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Technical Manual

TEREX

LEE RANCH
ASSEMBLY PARTS MANUAL

MODEL NO.
MT 4400AC

SERIAL NO.'S
MH341 - 343

ISSUED FEBRUARY, 2008

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BI115389

MH341

ALWERT-TEREX

ITM	QTY	UM	COMPONENT	DESCRIPTION
20	1		MH341-020	FINAL ASSY MODULE
30	1		MH341-030	ELECT. MODULE
40	1		MH341-040	POWER MODULE
50	1		MH341-050	HYDRAULICS MODULE
60	1		MH341-060	DRIVE MODULE
70	1		MH341-070	RUNNING GEAR MODULE
80	1		MH341-080	BRAKE MODULE
90	1		MH341-090	CAB MODULE, ROPS
100	1		MH341-100	ACCESSORY MODULE
130	1		MH341-130	TECHNICAL MODULE
150	1		MH341-150	TIRE & RIM MODULE
160	1		MH341-160	MAJOR FAB MODULE
170	1		MH341-170	DUMP BODY MODULE
190			MH341-190	TOOL & FIXTURE MODULE

QUANTITY (1) TOOL & FIXTURE MODULE IS TO BE SHIPPED WITH THE FIRST TRUCK ONLY.

S/N: MH341-343 (3 TRUCKS)
CUSTOMER: PEABODY
LEE RANCH EL SUGUNDO
ATM#: 0710-23
MODEL: MT4400AC
PAINT COLOR: GREY & WHITE
ENGINE: DDC 16V4000 TIER I
2300 HP.
ALTERNATOR: GE 5GTA41
WHEELMOTORS: GE 5GEB25A
31.8:1 GEAR RATIO
CONTROLS: AC CONTROLS
RETARDER: BLOWN 14 GRID
FRONT BRAKES: CARLISLE
4 CALIPER, 46" DISC
REAR BRAKES: CARLISLE
DUAL 25" DISCS
BODY: CONV W/CNPY EXTENSION
171 YD3 STRUCK
184 YD3 WORKING
24'-10" WIDE
RIMS: TOPY 32X57X6
TIRES: 40R57 CUSTOMER
FUEL TANK: 800 US GAL
HYDRAULIC TANK: 175 US GAL
EXHAUST: MUFFLERS
AIR CLEANERS: DONALDSON SRG29
ENGINE FAN: 68" DIA
RADIATOR: YOUNG, 72 FT2
SUSPENSIONS: N2/OIL
ROCK EJECTOR CENTERLINE
101.94" FROM BODY CENTER.
MAX GVW: 865,000 LBS
NOMINAL RATED PAYLOAD =
240 TONS, 218 MTONS

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ENG. APP. MURPHY
REL. CK. DORROUGH

646
95602
E.N. NO.

TEREX
UNIT RIG

MT4400AC
PNRC MH341-343

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MH341

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INTRODUCTION

The Parts Manual is designed to list and illustrate the items necessary to support the Lectra Haul and Dart product lines produced by Unit Rig, a division of the Terex Corporation. The drawings, illustrations, and lists are divided into fourteen (14) sections to aid in the identification and acquisition of parts from Unit Rig.

1. *In all sections, the drawings and their accompanying bill of materials are assembled in numerical order within their applicable sections.*

2. *The table of contents at the front of the manual and the beginning of each section are in alphabetical order.*

NOTE: As a general rule the drawings in Sections 2-9 contain the items in the basic unit. Optional features are included in Section 10-Options.

Section 1 - Introduction – explains the proper use of the manual. It includes an alphabetical index of all items in the manual, and a reference index of the most commonly used parts.

Section 2 - Structure – contains the primary structural and mounting items of the unit, with the exception of the cab (listed separately in Section 9-Cab) and the axles (listed separately in Section 7 – Running Gear).

Section 3 - Electrical – contains the majority of the 24 volt and power system drawings with the exception of those in the cab.

Section 4 - Power Package – contains the basic drawings included in the engine module and/or engine/transmission drive system.

Section 5 - Hydraulic System – contains the drawings for the basic equipment in the hydraulic control system except those mounted in the cab.

Section 6 - Piping – contains the drawings for the pneumatic system and the interconnecting piping of other systems, with the exception of that in the cab.

Section 7 - Running Gear – contains the drawing of the front and rear axles, suspensions, and tire and rim assemblies along with related hardware.

Section 8 - Brake System - contains the drawings for the wheel mounted brake assemblies.

Section 9 - Cab – contains the drawings of the cab assembly, including the structural, electrical, hydraulic, and piping assemblies.

Section 10 - Options – contains the drawings of optional features incorporated into the specific truck(s) that were ordered.

Section 11 - Reference – contains items and information which does not conform to the other sections on this manual, including the Master machine Record or Truck Specification.

Section 12 - Service Parts – contains the service detailed drawings of the normally serviceable components on the unit.

Section 13 - Technical Data – contains the Hydraulic, Pneumatic, and 24 Vdc and Power and Excitation Electrical schematics and other technical material required to support the unit.

Section 14 - Numerical Index – contains a three (3) column list of all part numbers used in this Manual in numerical order, with reference to the appropriate drawing, section, and item numbers.

NOTE: The term "Right Hand (R.H.)" and "Left Hand (L.H.)" refer to the view from the drivers seat.

WHEN ORDERING PARTS

In order to avoid costly delay in the procurement of parts:

1. Always give the model and serial number of each machine for which the parts are being ordered.
2. Order all parts by part number, description, and quantity.
3. Only items with part numbers can be easily ordered. When no item part number appears, order the part by giving the drawing number and description from the bill of materials, in addition to the machine model and serial number.

HOW TO USE THIS MANUAL

WHEN THE PART NUMBER IS KNOWN

1. Refer to the numerical index. Locate the part number and note the drawing, section, and item number.
2. Turn to the drawing indicated.
3. Find that item number on the drawing's bill of materials.

WHEN THE PART NUMBER IS NOT KNOWN

1. Determine the function and application of the part required.
2. Using the Alphabetical Table of Contents, select the most appropriate title. Note the drawing number.
3. Turn to the drawing indicated and locate the desired part on the picture.
4. Using the accompanying Bill of Material, obtain the part number for the specific part.

NOTE: If the item is not pictured, repeat step 2 and examine the next most appropriate drawing. If the item is pictured, but doesn't have a part number in the Bill of Material, the item is not carried in inventory.

NOTE: If the item is marked as having a Service Part Drawing, refer to the drawing in section 12 for additional information and/or detail.

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Valve, Solenoid Cartridge	55984	12
Valve, Solenoid Cartridge	56081	12
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Wiring Kit, Weigh System	85722Y-SS	10
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PEABODY NATURAL RESOURCES
LEE RANCH/EL SEGUNDO
MT 4400AC, S/N MH341 – 343
February, 2008
Reference Index

ASSEMBLY/COMPONENT CROSS-REFERENCE	ASSEMBLY	COMPONENTS
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Air Conditioning:	Section 9	Section 12
Alternator:	Section 4	Section 12
Automatic Lubrication System:	Section 6	Section 12
Axlebox:	Section 7	Section 12
Belts (Engine):	Section 4/9	Section 12
	See separate Parts Reference	
Brake Actuation System Components:	Section 5	Section 12
Brake Calipers/Discs:	Section 8	Section 12
Cab:	Section 9	Section 12
Control Box:	Section 3	Section 12
Dump System Components:	Section 5	Section 12
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PEABODY NATURAL RESOURCES
LEE RANCH/EL SEGUNDO
MT 4400AC, S/N MH341 – 343
February, 2008
Reference Index

ASSEMBLY/COMPONENT CROSS-REFERENCE	ASSEMBLY	COMPONENTS
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	See separate Parts Reference	
Hydraulic Pumps/Equipment:	Section 5	Section 12
Hydraulic Tank:	Section 5	Section 12
Lights:	Section 3	Section 12
Mirrors:	Section 2	
Mud Flaps:	Section 2	
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Suspensions:	Section 7	Section 12
Switches:	See separate Parts Reference	
Wheelmotor Assembly:	Section 7	Section 12

PEABODY NATURAL RESOURCES
LEE RANCH/EL SEGUNDO
MT 4400AC, S/N MH341 – 343
February, 2008
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PARTS REFERENCE

BELTS (Engine): (Engine – 84942Y) (A/C - A84788N)
.Air Conditioning 15981
.Battery Charging Alternator 2002931
.Engine Fan 2002798

ELECTRICAL DRIVE SYSTEM
.Alternator
..Alternator Brushes (85788A) 2000366
.Control Box
..Contactor Tips
...GF (2003458) 2003459
...RP (2003458) 2003459
.Grid Box
..Blower Motor Brushes (2003450/2006960) 2001211

ENGINE SENDING UNITS:
.Engine Coolant Level 55386
.Engine Coolant Temperature (Gauge) 56745
.Engine Oil Pressure (Gauge) 83405E

FILTERS
.Air Cleaner 55397
...Primary Element
...Standard 901727
...Optional High Efficiency 2003174
...Safety Element 901728
.Engine Filters (84942Y)
..Coolant (Normal) ..... Engine
..Fuel
...Primary Element 2005239
...Secondary or Final Element 2005192
..Oil
...Primary 2004721
...Secondary or bypass ..... NA
.Heater
..Filter (Standard) 1004320
.Hydraulic System
..Dump System (Pressure) Element 916254
..Steering System (Pressure) Element 916254
..System Fill Element 55894
.Hydraulic Tank
..Filter (Breather) ..... NA
.Wheelmotor breathers/filter 24465

PEABODY NATURAL RESOURCES
LEE RANCH/EL SEGUNDO
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February, 2008
Reference Index

PARTS REFERENCE

LIGHTS

.Back Up Light Assembly.(Regular and Windrow) 52741
..Bulb 52933
.Cab Dash Indicator Lights
..Amber 83340A
...Bulb 83341B
..Red 83340B
...Bulb 83341B
.Clearance
..Front/Rear (Amber) 56099
..Rear (Red) 56100
.Dynamic Retarding (Amber) 56099
.Headlights Assembly (Standard and High Mount) 51675
..Bulb 28342
.Service
..Axlebox
...Bulb 55951
...Housing 56452
..Cab (Dome) 52498
...Bulb 947118
..Control Box ....GE.....
..Engine
...Bulb 55951
...Housing 56452
..Hydraulic Components Box 900503
..Special Lighting
...Access
....Bulb 55951
....Housing 56452
.Stairway
..Bulb 55951
..Housing 56452
.Tail/Stop (Red) 56100
.Weigh System
..Amber ....NA
..Red ....NA

MISCELLANEOUS

.Turn Signal System Flasher 55697
.Wiper Assembly
..Arm 56461
..Blades
...Regular 55921

PEABODY NATURAL RESOURCES
LEE RANCH/EL SEGUNDO
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February, 2008
Reference Index

PARTS REFERENCE

SWITCHES

.Air Conditioning
..Pressure (Trinary) Switch 29907
.Autolube Pressure 51701
.Battery Isolation -Frame Mounted 55580
.Brake System
..Brake Drag Pressure 53402
..Brake Light Proximity 53963
..Low Brake Pressure 84657F
..Park Brake Pressure 84657C
.Cab
..Engine Stop/Start 56265
..Heater Blower Motor 26908
..Loading Brake 53904
..Master 27647
..Park Brake 57034
..Propulsion System Selector Switch 20379
..Rocker
...AutoLube Test, Data Store, System and Fault Reset 83338B
...Engine Shut Down Delay System ..... NA
...Headlight 83338J
...Panel Rheostat 83338K
...Stairway Light 83338C
..Windshield Wiper Switch 53238
.Dump Body Up Limit Switch 65057C
.Electrical Drive System Blower Pressure Switch 28512
.Fuel Tank (A84204BB)
..Fuel Level Transmitter 51180
..Low Fuel Level Switch 55252
.Hydraulic Oil Cooler Control (Dump Pilot Valve) 53963
.Hydraulic Tank
..Hydraulic Oil Temperature Switch 56441
..Low Oil Level Sender 55252
.Retarding Speed Control
...Potentiometer 915441
...Switch 915153
..Steering System
...Low Steering Pressure 84657F
.Toggle
..Engine Service Light, Stairway Light 55578
..Engine Stop 21546
.(Hydraulic) Towing Provision Pressure .. .. NA

PEABODY NATURAL RESOURCES
LEE RANCH/EL SEGUNDO
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February, 2008
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Cab and Superstructure Mounting Assembly	A84183A
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Corporate White Paint, LH	56300F
Decal Assembly, Truck	A86197B
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Deflector Assembly, Rock	A84735F
Dump Body Assembly	A84294V
Dump Body Guide Assembly	84410A
Dump Body Lock-up Assembly	A85898G
Ejector Assembly, Rock	A85589C
Engine Service Ladder Assembly	A84204BB
Fire Support - Portable	68060G
Floor Platform/Brackets, Superstructure (R.O.P.S.)	A85861A
Frame Bracket Assembly (R.O.P.S.)	A850905A
Fuel Tank Assembly	A84204BB
Gray Primer Paint	56300C
Guard Assembly, Mud	A84257N
Guide Assembly, Dump Body	84410A
Hood Assembly	A84261A
Jackpad, Skid Plate Assembly	A84585A
Ladder and Railing Assembly	A86175
Ladder Assembly, Engine - Service	A84242A
Left Hand Mirror Mounting Assembly	A84414A
Lock-up Assembly, Dump Body	A85898G
Mirror Mounting Assembly, L.H.	A84414A
Mud Guard Assembly	A84257N
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Paint, Corporate Gray LH	56300H
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Paint, Gray Primer	56300C
Paint, Non-Skid Black LH	56300K
Portable Fire Support	68060G
Primer Paint, Gray	56300C
R.O.P.S. Superstructure, Floor Platform/Brackets	A85861A
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Rock Deflector Assembly	A84735F
Rock Deflector, Rear Assembly	84745C
Rock Ejector Assembly	A85589C
Safety Sign Assembly - English	A83678A

SECTION 2 - ELECTRICAL

DESCRIPTION	ASSEMBLY
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Sign Assembly, Safety - English	A83678A
Skid Plate - Jackpad Assembly	A84585A
Superstructure and Cab Mounting Assembly	A84183A
Superstructure, Floor Platform/Brackets (R.O.P.S.)	A85861A
Tank Assembly, Fuel	A84204BB
Truck Decal Assembly	A86197B

P/N 56300C
PAINT, PRIMER, LH GRAY

TEREX | UNIT RIG ENGINEERING	PAINT, PRIMER, LH GRAY	56300C E.N. 90835 | SHEET 1 OF 1

P/N 56300F
PAINT, LH WHITE

TEREX | UNIT RIG ENGINEERING	PAINT, LH WHITE	56300F E.N. 90967 | SHEET 1 OF 1

P/N 56300H
PAINT, LH (CORP GRAY)

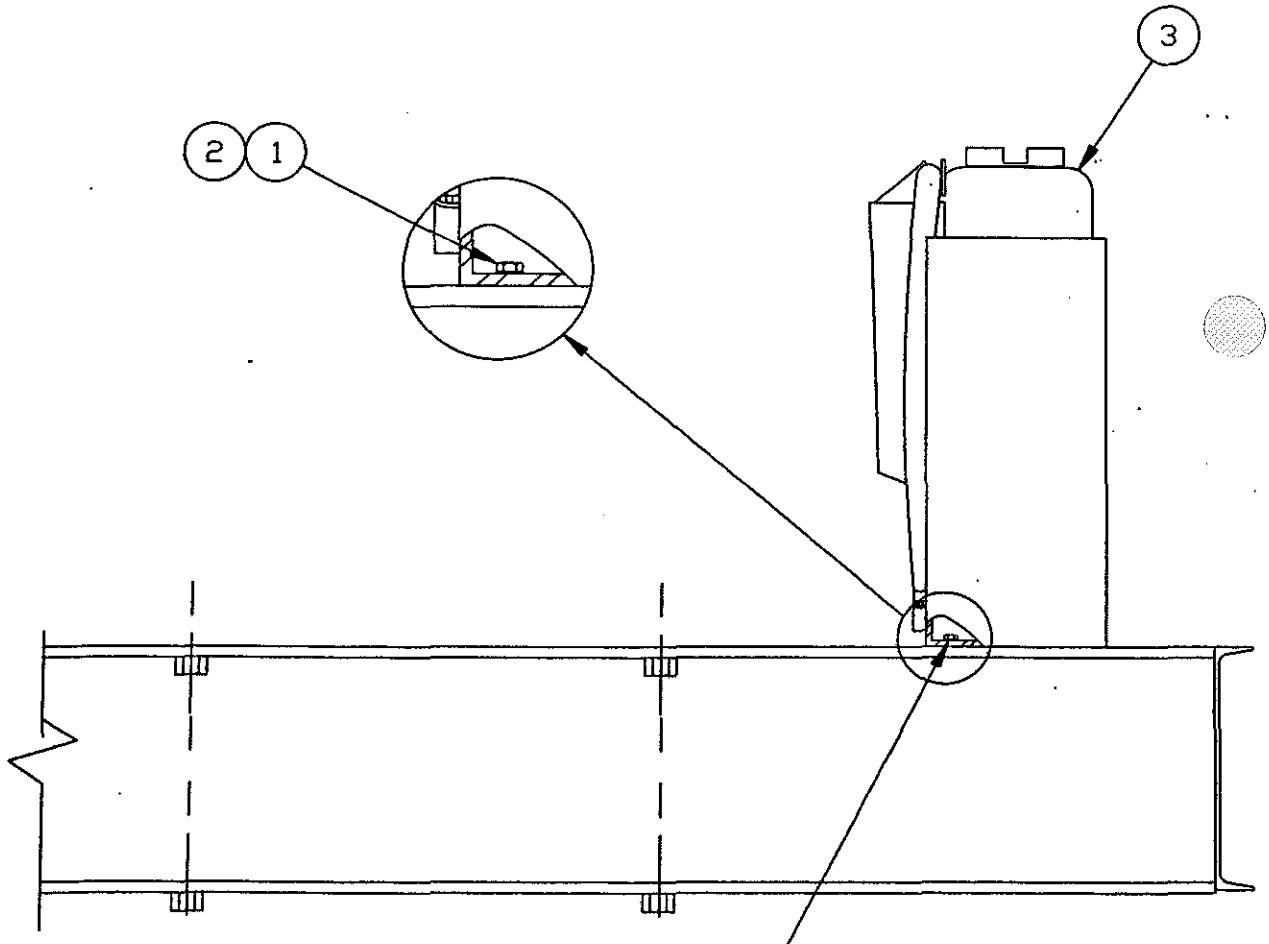
TEREX | UNIT RIG ENGINEERING	PAINT, LH (CORP GRAY)	56300H E.N. 90967 | SHEET 1 OF 1

P/N 56300K
PAINT, LH (NON-SKID BLACK)

68060G

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	3		10180	WASHER, LK, HELI, 3/8 X .683 OD
2	3		16342	CAPSCR, HX, 3/8-16NC X 1/2 GR 5
3	1		24681	EXTINGUISHER-FIRE

20 LB EXTINGUISHER
DECK MOUNTED LEFT FRT
CORNER S/STRUCTURE



LOCATION PROVIDED IN STRUCTURE. MAY BE ON SUPERSTRUCTURE OR AIR CLEANER BRACKET.

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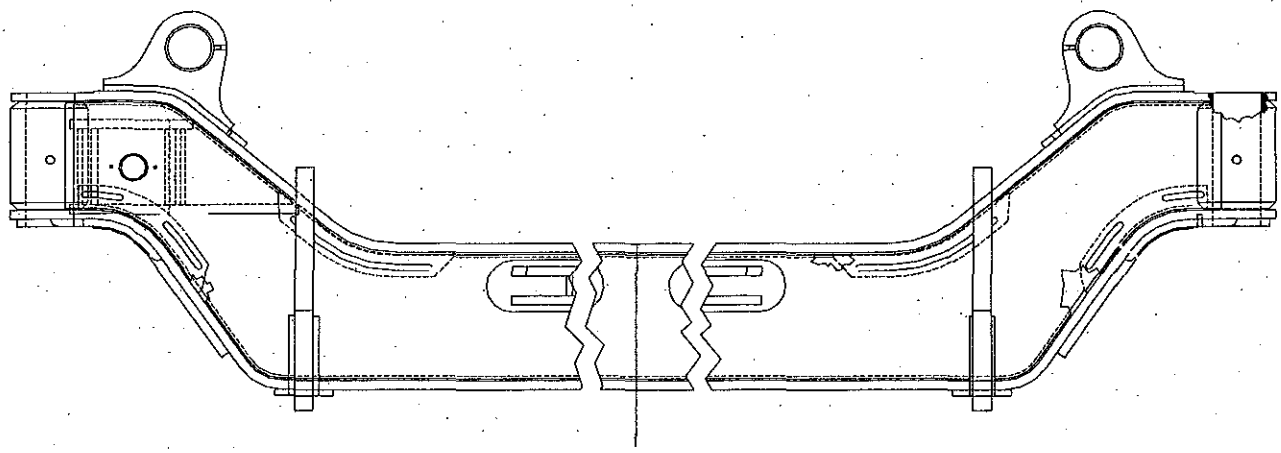
94562
92762
84824
E.N. NO.

TEREX
UNIT RIG

FIRE SUPPOR
PORTABLE

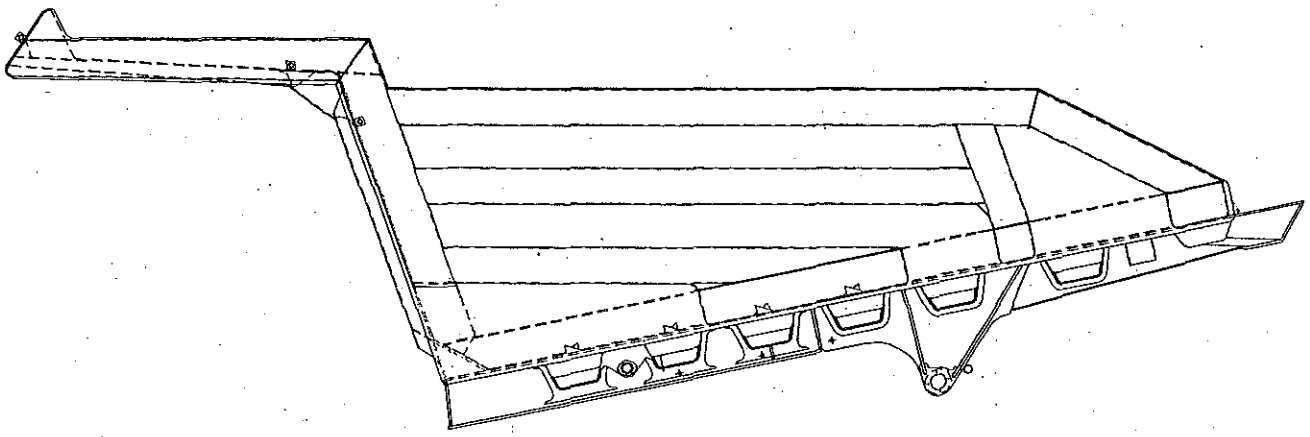
SHEET 1 OF 1
68060G

ASSEMBLY 83650A, FRONT AXLE ASSEMBLY
contains proprietary information.
If more information is necessary please contract your
Terex Mining / Unit Rig representative.



TEREX | UNIT RIG **ENGINEERING**	FRONT AXLE ASSEMBLY	83650A E.N. 95256 | SHEET 1 OF 1

Assembly **A84294V, DUMP BODY ASSEMBLY** contains proprietary information.
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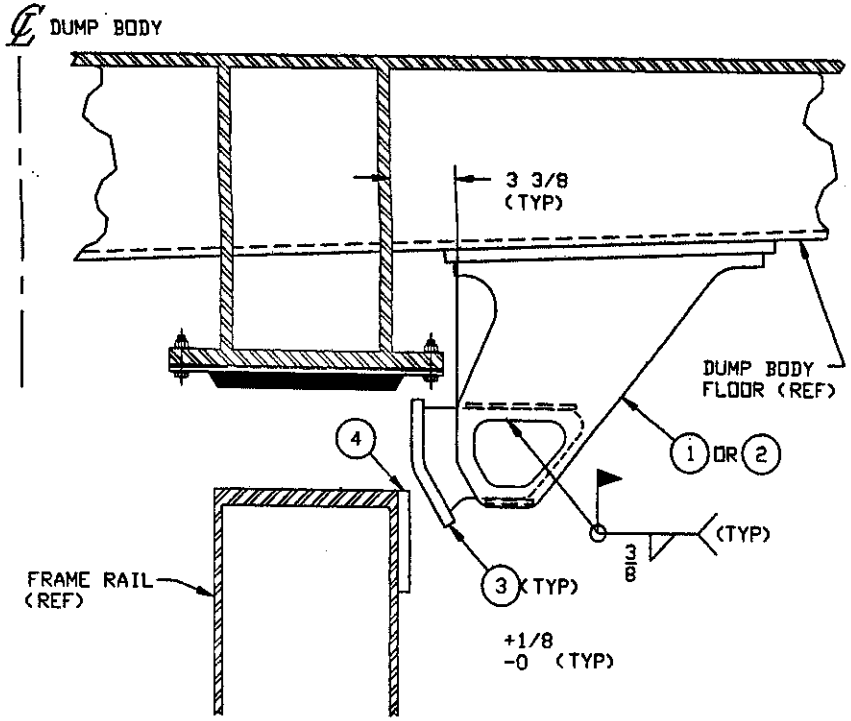
TEREX | UNIT RIG **ENGINEERING**	DUMP BODY ASSEMBLY	A84294V	
		E.N. 91049, 93503	SHEET 1 OF 1

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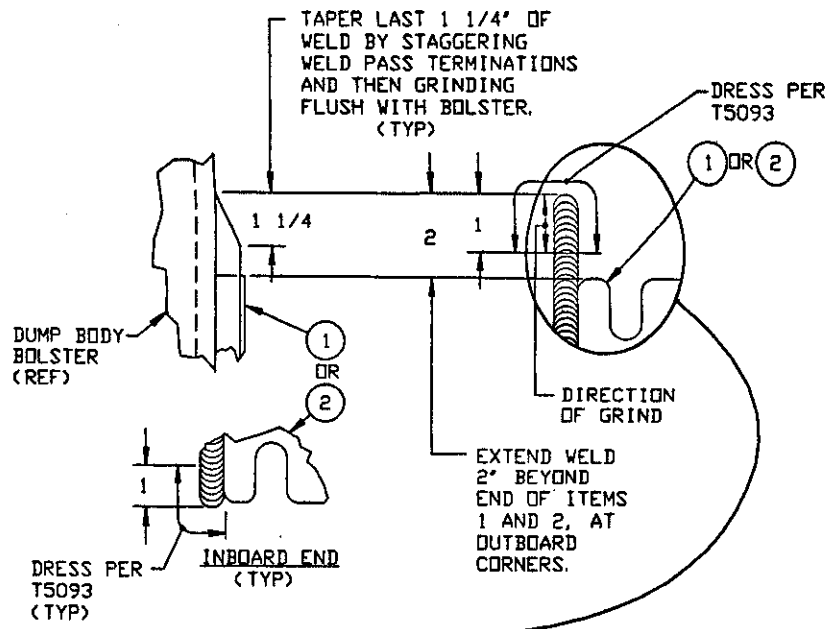
84410A

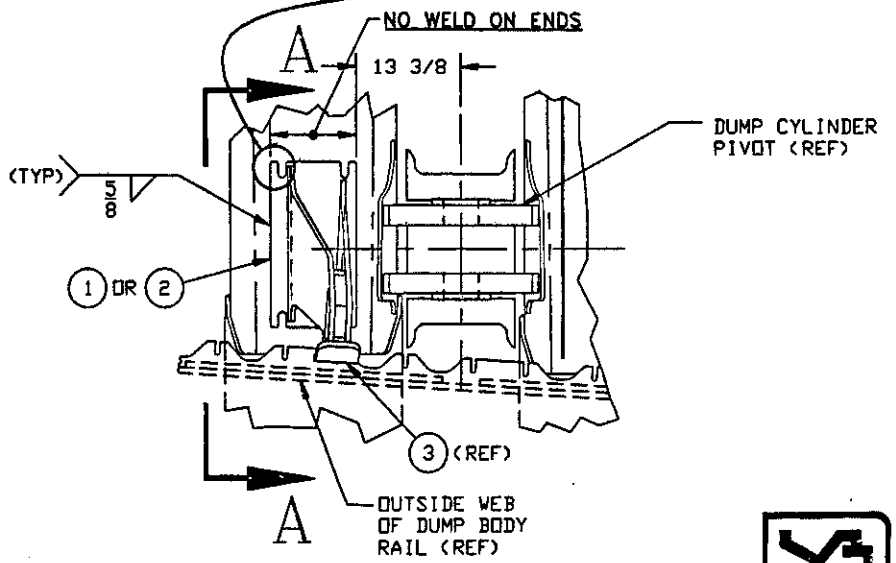
BOLIN
ENG. APP.
BORTHICK
REL. DT.
ELLIS

92762
90023
88793
E.N. NO.



SEC A—A
(TYP)
LEFT SIDE SHOWN





BODY GUIDE ADJUSTMENT PROCEDURE

1. INSTALL DUMP BODY ONTO FRAME.
2. PARK UNIT ON LEVEL GROUND.
3. RAISE AND LOWER DUMP BODY THREE (3) TIMES.
4. INSTALL ITEM 3 AS SHOWN ON SEC A-A ABOVE. NOTE THAT ITEM 3 IS ADJUSTABLE BY SLIDING IT IN AND OUT OF DUMP BODY GUIDE BRACKET.

NOTE: FABRICATE PER 02-563.

CENTERLINE OF DUMP BODY

FRONT OF DUMP BODY

UNIT RIG
CAD SIZE 2

DUMP BODY GUIDE ASSEMBLY

SHEET 1 OF 4

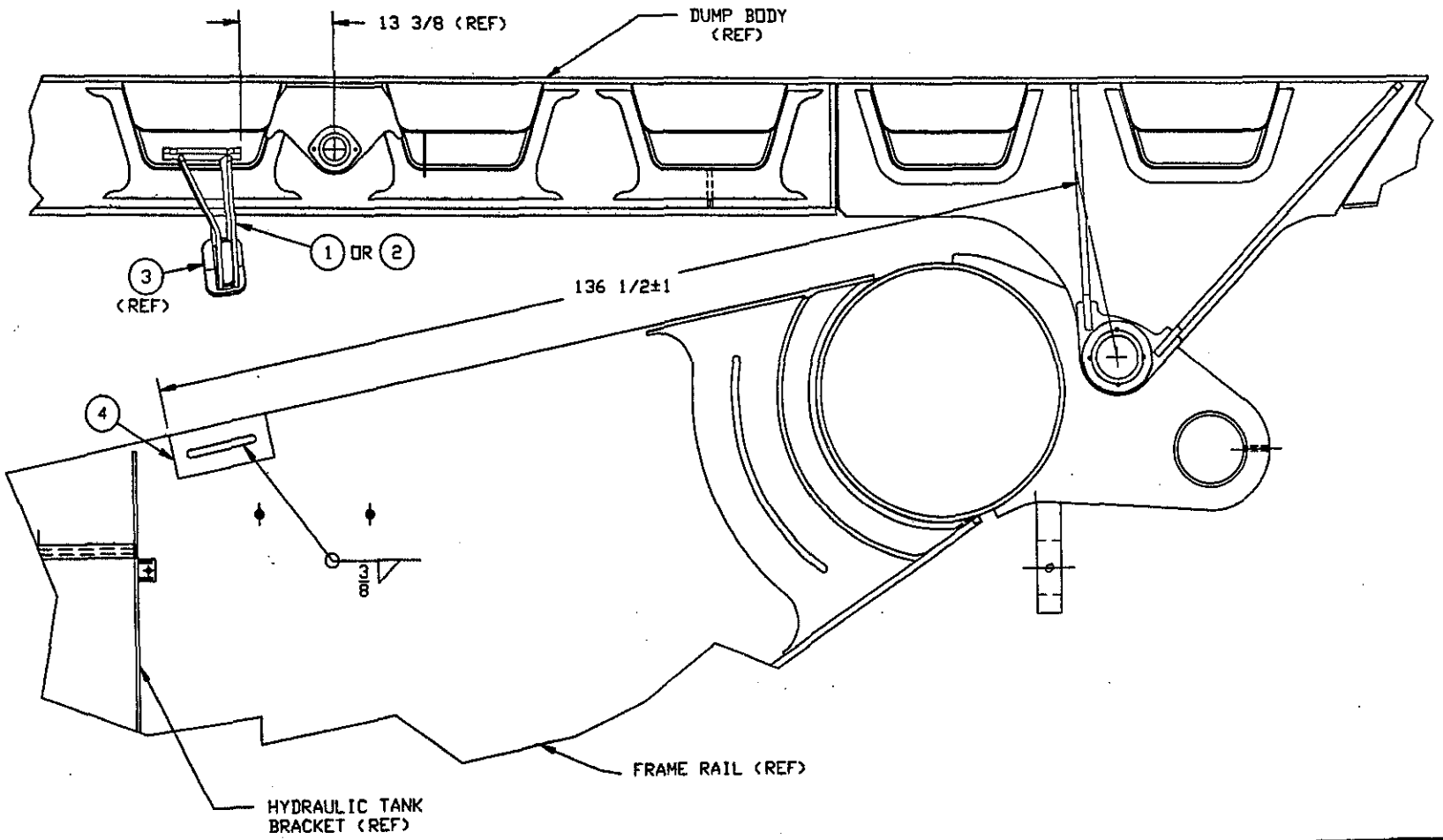
84410A

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84410A



RUB PLATE MOUNTING LEFT SIDE

BOLIN	
BORTHICK	
ELLIS	
92762	
90023	
88793	
E.N. NO.	

UNIT RIG
CAD SIZE B

DUMP BODY GUIDE ASSEMBLY

SHEET 2 OF 4

84410A

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84410A

BOLIN

BORTHICK

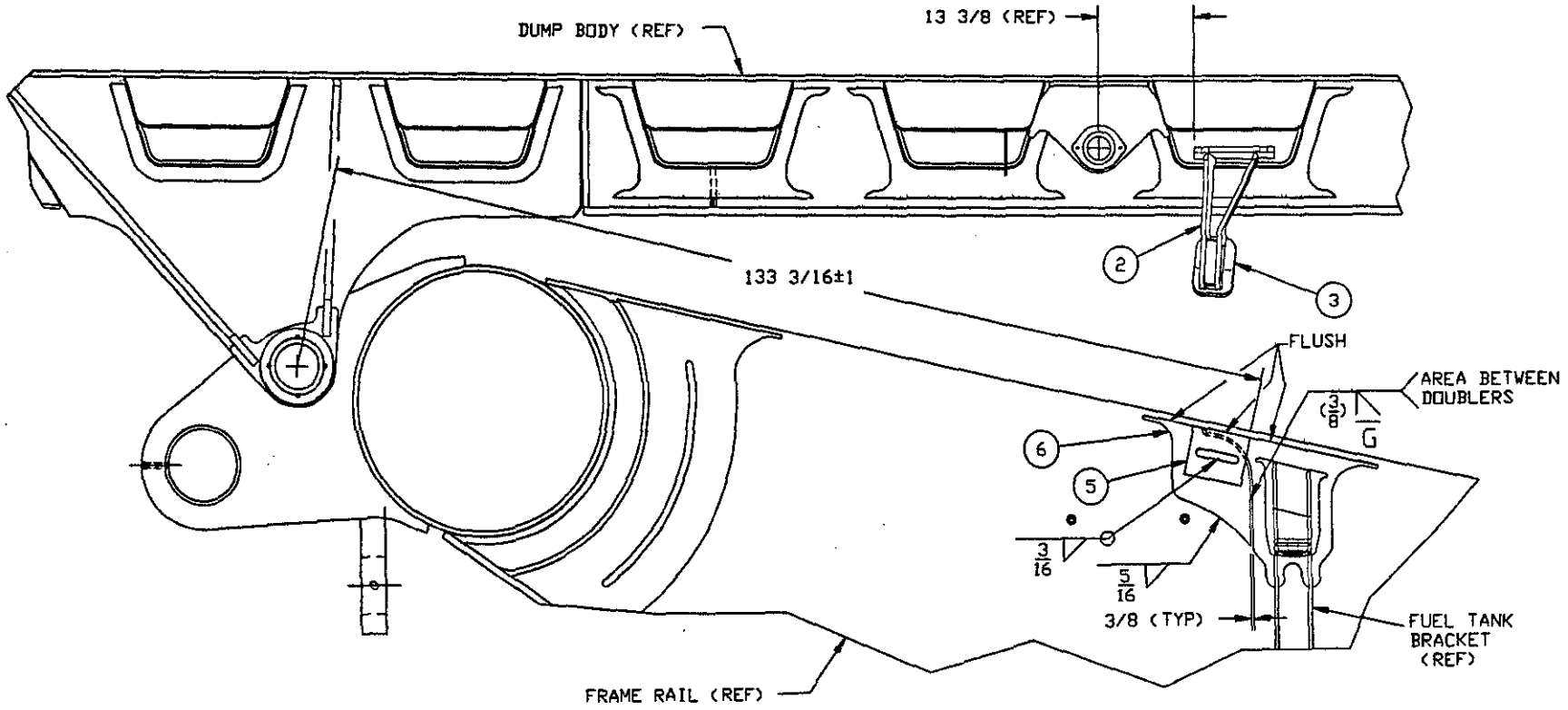
ELLIS

92762

90023

88793

E.N. NO.



DOUBLER AND RUB PLATE MOUNTING RIGHT SIDE

UNIT RIG

CAD SIZE D

DUMP BODY GUIDE ASSEMBLY

SHEET 3 OF 4

84410A

84410A

ITM		QTY	UM	COMPONENT	DESCRIPTION
1		1		84277C	BRACKET-BODY GUIDE
2		1		84277E	BRACKET-BODY GUIDE
3	R	2		84037A	GUIDE-DUMP BODY
4	R	1		83046A	PLATE, RUB
5	R	1		83046B	PLATE-RUB
6	R	1		84413A	PLATE-DOUBLER

MT4400

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62
90023
88793
E.N. NO.

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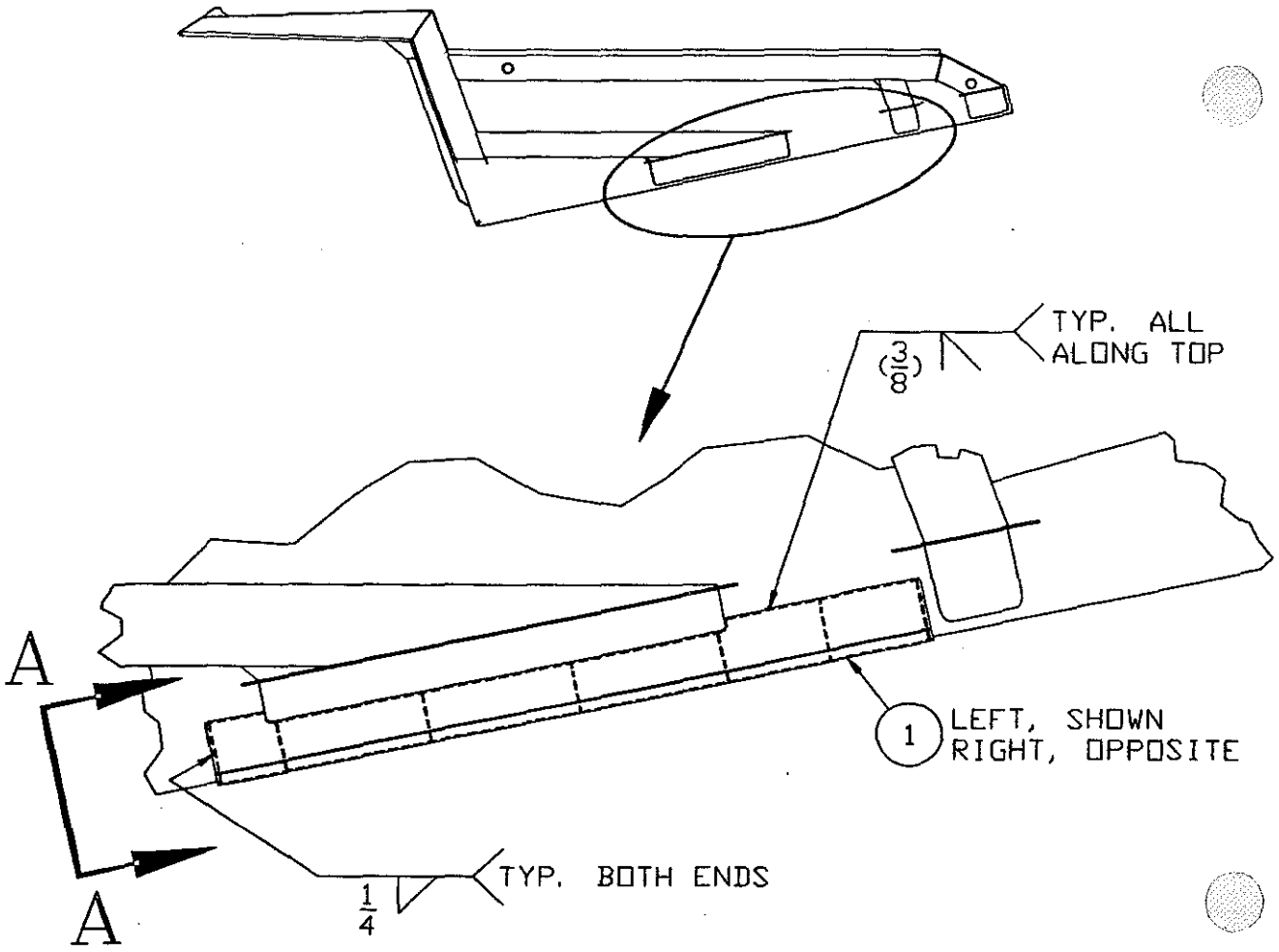
DUMP BODY GUIDE ASSEMBLY

SHEET 4 OF 4

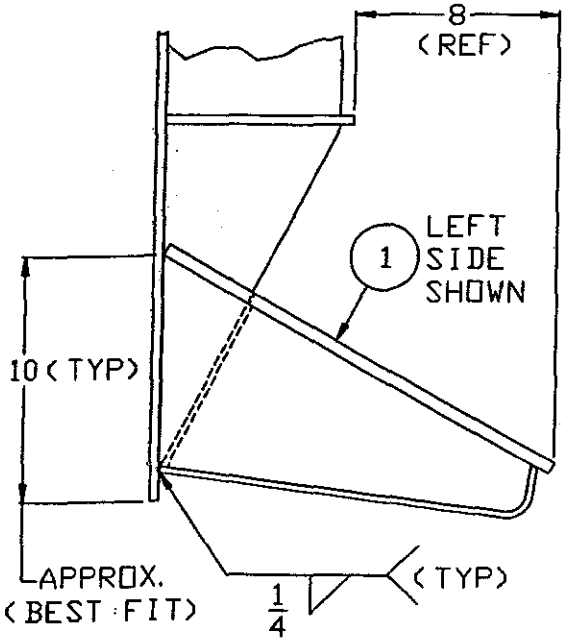
84410A

84745C

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ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		84749C	ROCK DEFLECTOR KIT-REAR (CONSISTS OF LEFT AND RIGHT ROCK DEFLECTOR)



VIEW A—A

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REL. CK. ELLIS

92698
E.N. NO.

MT4400
TEREX MINING

WELD PER 02-563 WELD CONSOLIDATION DOCUMENT.

ROCK DEFLECTOR REAR ASSEMBLY

SHEET 1 OF 1

84745C

85227C

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	30		15479	CAPSCR, HX, 1-8NC X 8 GR 5
2	60		22707	WSHR, FL, 1" X 2.00 OD
3	30		10131	NUT, HX, 1-8NC STEEL GR 5

(30) 8" LONG BOLTS

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92135
E.N. NO.

TEREX MINING

KIT-DUMP BODY BOLTS

SHEET 1 OF 1

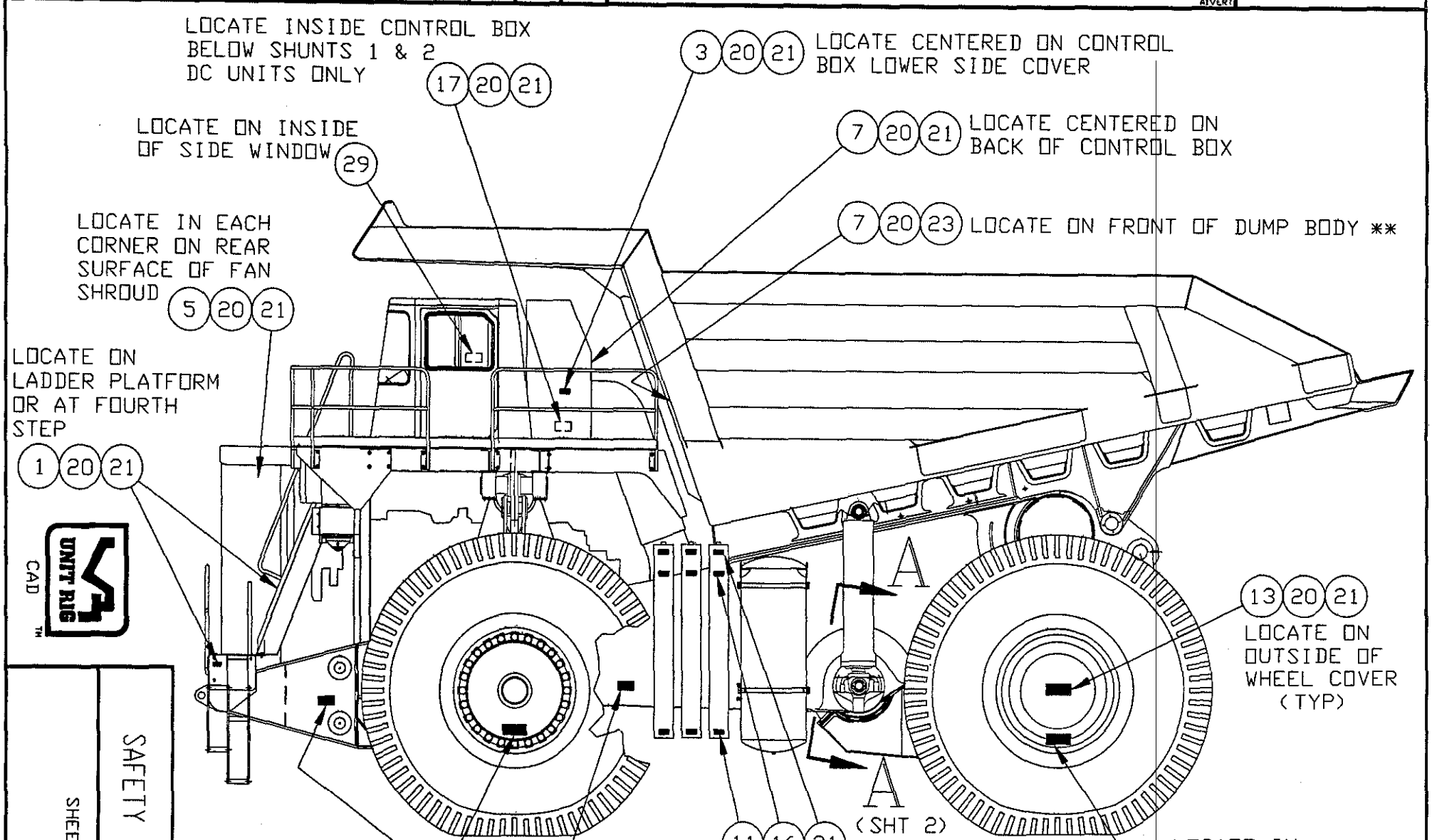
85227C

E.N. NO.	DR.	ENG. APP.	REL. CK.
86471	MASSIE	DODEN	ELLIS
90670 RED			
91673			
92340			
93209			
93548			

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4IVERT

A83678



** - TACK WELD ITEM 23 TO TRUCK

ITEMS NOT SHOWN ON BILL OF MATERIALS ARE NOT USED.

SAFETY SIGN ASS'Y

SHEET 1 OF 5

A83678

BI115389

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A83678

DR. MASSIE

ENG. APP. DODEN

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93548

93209

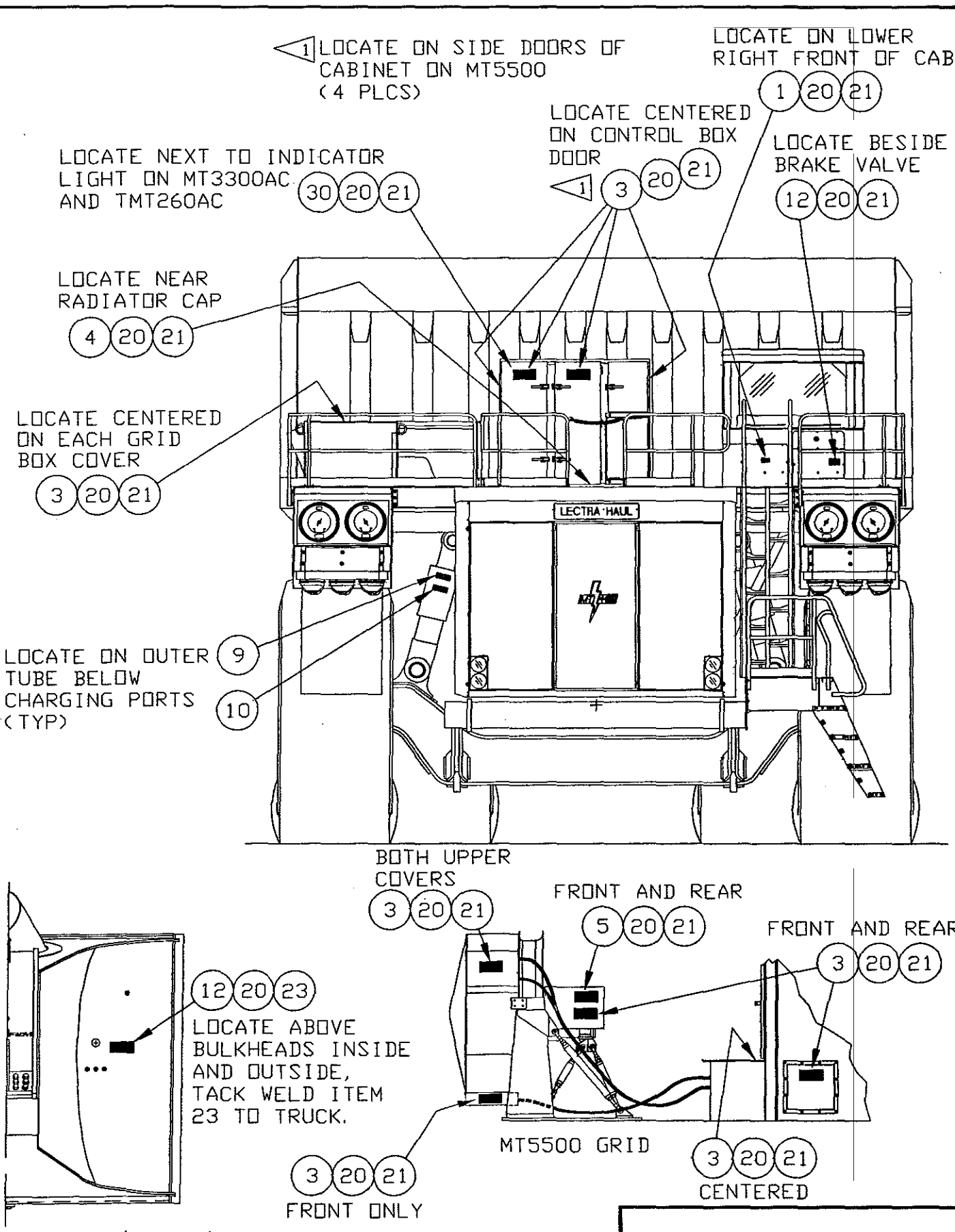
92340

[illegible]73

[illegible]670 RED

86471

E.N. NO.



VIEW A—A

LEFT FRONT SIDE OF AXLE BOX

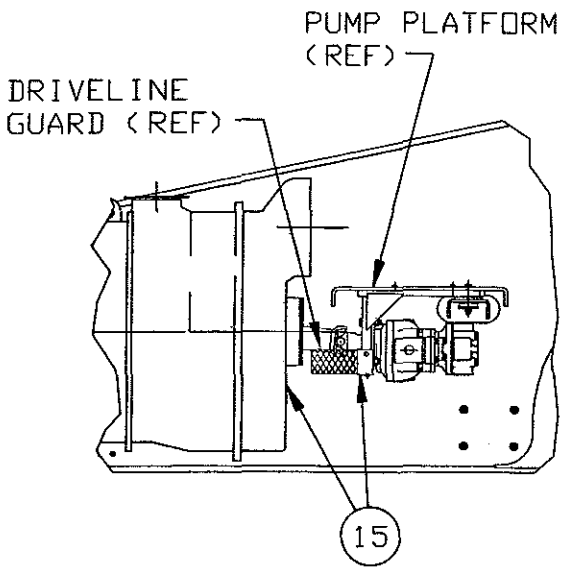
UNIT RIG CAD ™

SAFETY SIGN ASSY

SHEET 2 OF 5

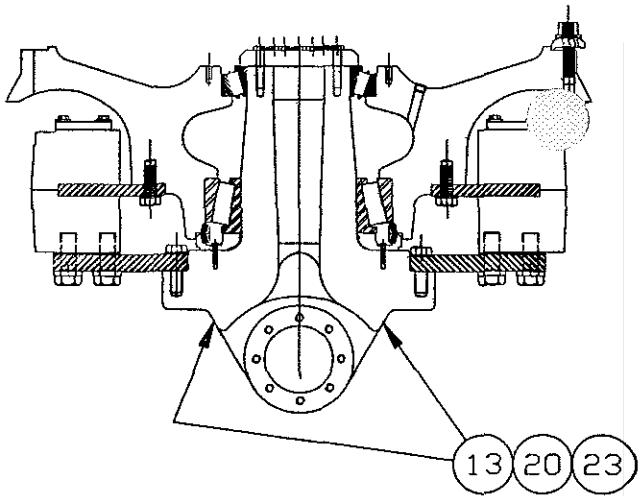
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A83678

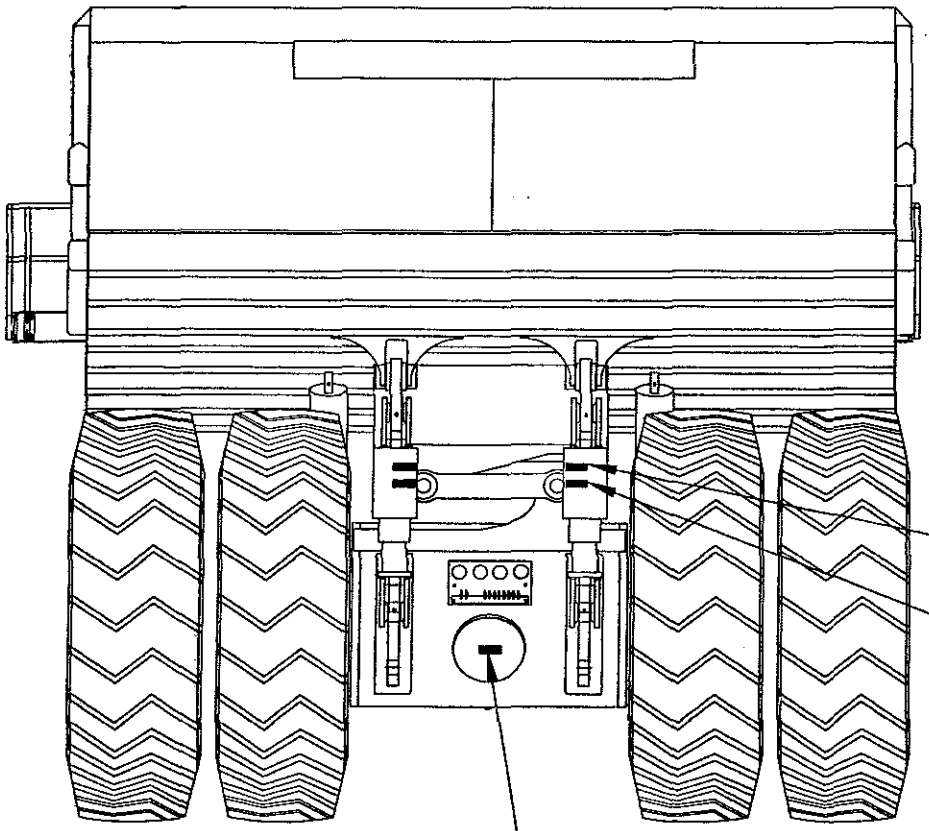


LOCATE ON END
OF ALTERNATOR

VIEW AT DRIVELINE INSIDE FRAME



FRONT BRAKE CALIPERS
VIEWED FROM TOP



LOCATE ON OUTER TUBE BELOW CHARGING PORTS (TYP)

3 20 21
CENTER ON COVER

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ENG. APP.	DODEN
REL. CK.	ELLIS

93548
93209
92340
91673
90670 RED
86471
E.N. NO.

UNIT RIG CAD

SAFETY SIGN ASSY

A83678

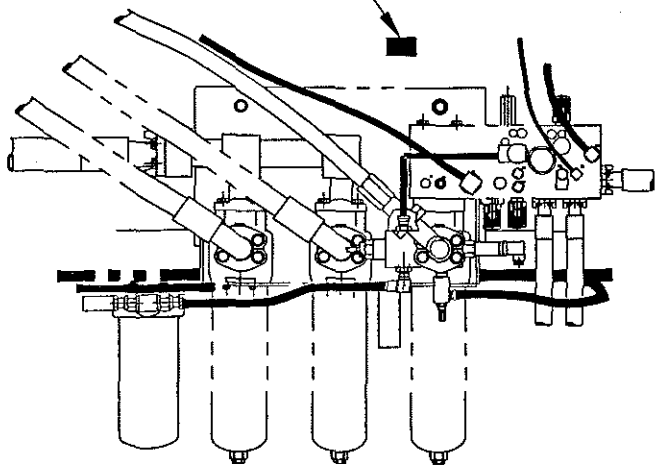
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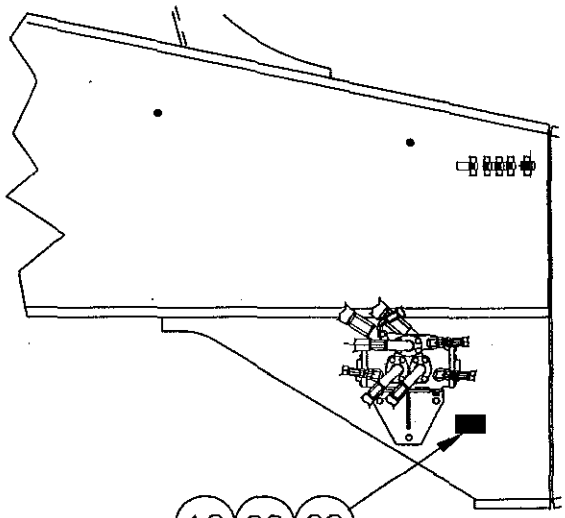
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ENG. APP. DODEN
REL. CK. ELLIS

TACK WELD ITEM 23 TO TRUCK

12 20 23



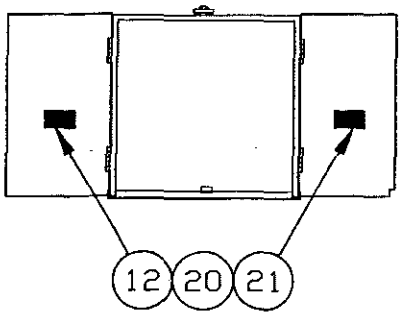
VIEW AT HYDRAULIC FILTER BRACKET INSIDE LEFT FRAME RAIL



12 20 23

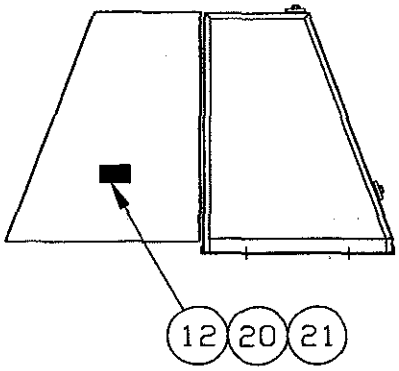
LOCATE NEAR FLOW AMPLIFIER, TACK WELD ITEM 23 TO TRUCK

LOCATED INSIDE LEFT FRAME RAIL



12 20 21

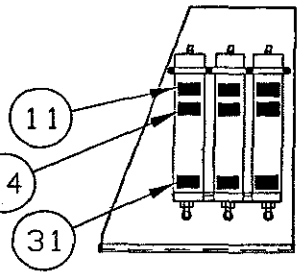
LOCATE ON INSIDE OF DOOR PANEL



12 20 21

LOCATE ON INSIDE OF DOOR PANEL

FRONT VIEW OF HYDRAULIC CABINET LOCATED BEHIND CAB



LOCATE ON ACCUMULATOR SIDE (TYP)

ACCUMULATORS LOCATED ON BACK SIDE OF HYDRAULIC CABINET

E.N. NO.
86471
RED
93570
93673
92340
93209
93548

UNIT RIG CAD ™

SAFETY SIGN ASSY

SHEET 4 OF 5

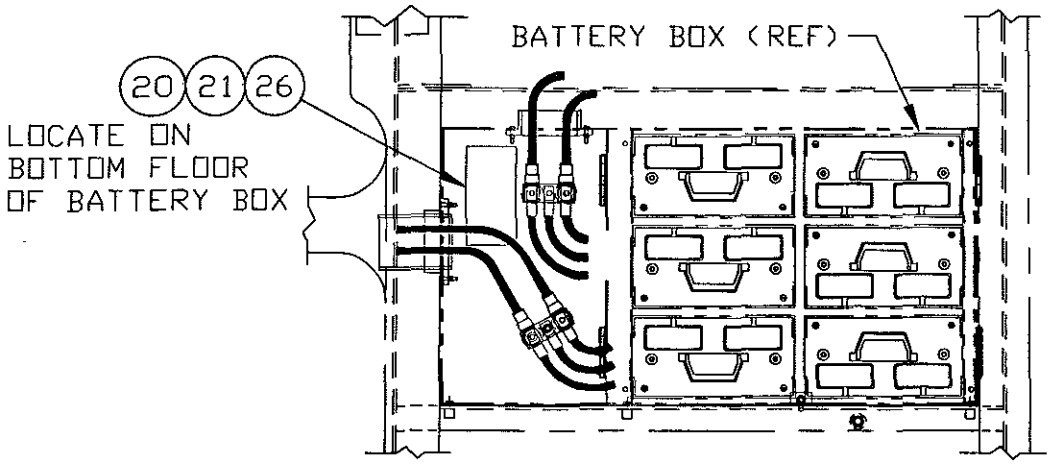
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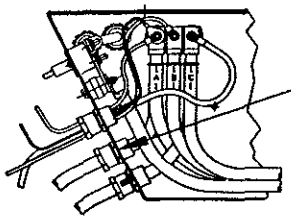
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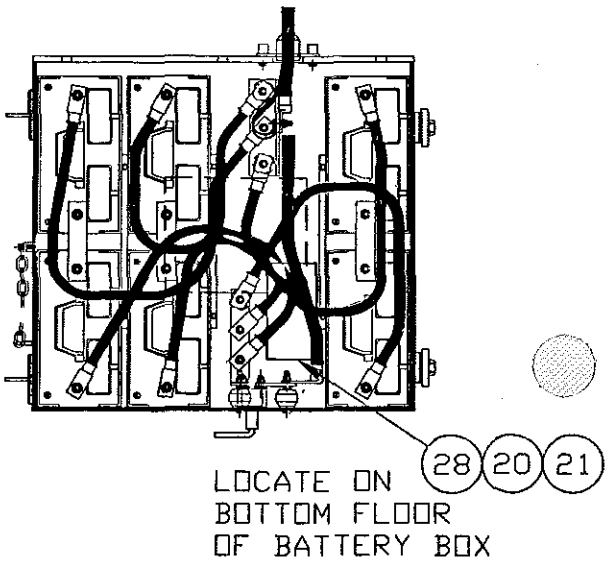
93548
93209
92340
91673
90670 RED
86471
E.N. NO.



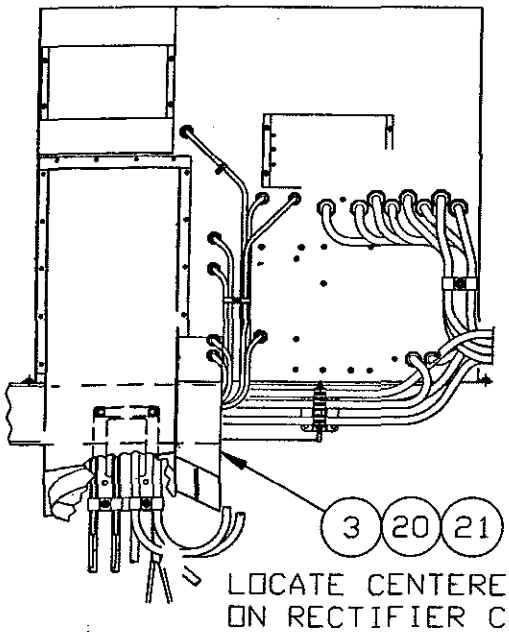
VIEW OF BATTERY BOX LOCATED ON DECK



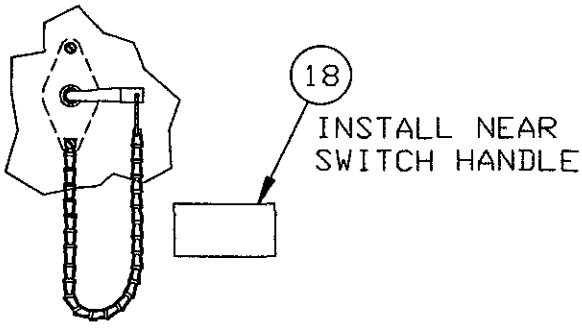
VIEW OF BATTERY BOX LOCATED INSIDE LEFT FRAME RAIL



VIEW OF BATTERY BOX LOCATED OUTSIDE RIGHT FRAME RAIL



VIEW FROM BEHIND CONTROL BOX



VIEW AT BATTERY ISOLATION SWITCH

UNIT RIG CAD ™

SAFETY SIGN ASS'Y

SHEET 5 OF 5

A83678

A83678A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	2		76600E	SIGN (DWG 76600A-Z) CAUTION-USE HANDRAIL.
2 R	1		NOT-USED	PART NOT USED
3	12		76330C	SIGN (DWG 76330A-Z) DANGER-HIGH VOLTAGE
4	1		76600K	SIGN (DWG 76600A-Z) CAUTION-COOLING SYSTEM UNDER PRESSURE. REMOVE CAP PROPERLY.
5	6		76600F	SIGN (DWG 76600A-Z) CAUTION-ROTATING MACHINERY. EXERCISE CAUTION WHEN WORKING IN THIS AREA.
6	4		76329E	SIGN (DWG 76329A-Z) WARNING-STAY CLEAR. CLEARANCE REDUCED WHEN MACHINE IS STEERED. MOVING COMPONENTS MAY CAUSE CRUSHING.
7	2		76600C	SIGN (DWG 76600A-Z) CAUTION-SAFETY CABLES OR BLOCKS MUST BE USED TO SECURE DUMP BODY IF MAINTENANCE IS REQUIRED IN THIS AREA.
8	4		76330B	SIGN (DWG 76330A-Z) DANGER-DEFLATE TIRES COMPLETELY BEFORE LOOSENING ANY LUG NUTS.
9	4		76600W	SIGN (DWG 76600A-Z) CAUTION - RELEASE ALL NITROGEN BEFORE ATTEMPTING DISASSEMBLY. TO RELEASE NITROGEN CONSULT SERVICE MANUAL.
10	4		76330G	SIGN (DWG 76330A-Z) DANGER - CHARGE WITH DRY NITROGEN ONLY. DO NOT USE OXYGEN. OXYGEN MAY CAUSE A VIOLENT EXPLOSION. CONSULT SERVICE MANUAL FOR CORRECT CHARGING PROCEDURE.

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ENG. APP. ROBINSON
REL. CK. ELLIS

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88005
88033
E.N. NO. 86471

TEREX MINING

SAFETY SIGN ASSY-ENGL

A83678A

ITM	QTY	UM	COMPONENT	DESCRIPTION
11	6		76600P	SIGN (DWG 76600A-Z) CAUTION-RELEASE ALL NITROGEN FROM ACCUMULATOR BEFORE ATTEMPTING DISASSEMBLY. TO RELEASE NITROGEN, CONSULT SERVICE MANUAL.
12	12		76600S	SIGN (DWG 76600A-Z) CAUTION-BEFORE WORKING ON UNIT, RELEASE ALL HYDRAULIC PRESSURE OUT OF ACCUMULATORS. CONSULT SERVICE MANUAL FOR CORRECT PROCEDURE.
13	6		76600T	SIGN, CAUTION (DWG A-Z CAUTION-BEFORE WORKING ON BRAKES, RELEASE ALL HYDRAULIC PRESSURE OUT OF ACCUMULATORS. CONSULT SERVICE MANUAL FOR CORRECT PROCEDURE.
14	3		76330E	SIGN (DWG 76330A-Z) DANGER-CHARGE ACCUMULATORS WITH DRY NITROGEN ONLY. DO NOT USE OXYGEN BY MISTAKE TO CHARGE AN ACCUMULATOR. OXYGEN MAY CAUSE A VIOLENT EXPLOSION. CONSULT SERVICE MANUAL FOR CORRECT CHARGING PROCEDURE. PRECHARGE MUST NOT EXCEED 1000 PSI.
15	2		76329A	SIGN (DWG 76329A-Z) WARNING-DO NOT OPERATE WITHOUT SHIELD.

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TEREX MINING

SAFETY SIGN ASSY-E[illegible]L

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ITM	QTY	UM	COMPONENT	DESCRIPTION
16	3		76330J	SIGN (DWG 76330A-Z) DANGER-CHARGE ACCUMU-LATORS WITH DRY NITROGEN ONLY. DO NOT USE OXYGEN. USE OF OXYGEN MAY CAUSE A VIOLENT EXPLOSION. CONSULT SERVICE MANUAL FOR CORRECT CHARGING PROCEDURE. PRECHARGE MUST NOT EXCEED 1500 PSI.
17	1		76600X	SIGN (DWG 76600A-Z) CAUTION - CHECK TIGHTNESS OF ALL BOLTS AFTER MOVING SHUNTS
18	1		84723A	SIGN (DWG 84723A-Z) WARNING-FAILURE TO APPLY PARK BRAKE PRIOR TO TURNING OFF THE BATTERY ISOLATION SWITCH MAY RESULT IN TRUCK MOVING AND POSSIBLY CAUSING INJURY OR DEATH. CONSULT OPERATOR MANUAL.
26	1		76329H	SIGN (DWG 76329A-Z) WARNING-MAKE NO OTHER CONNECTIONS AT "TX", FOR X31A, X31B, X31C & X31D ONLY.
27	1		76329J	SIGN (DWG 76329A-Z) WARNING-MAKE NO OTHER CONNECTIONS AT "TX", FOR X30A, X30B & X30C
28	1		76329K	SIGN (DWG 76329A-Z) WARNING-MAKE NO OTHER CONNECTIONS AT "TX", FOR X31A, X31B & X31C
29	1		68231G	DECAL, "FLOAT" (ENGLISH)
30	1		76330K	SIGN-DANGER (DWG 76330A-Z) LIGHT INDICTES PRESENCE OF HIGH VOLTAGE WITHIN PROPULSION AND RETARDING SYSTEM.
99 R	1		A83678	DWG ONLY, SAFETY SIGNS

MT30/33/36/37/44/5500 ENGLISH

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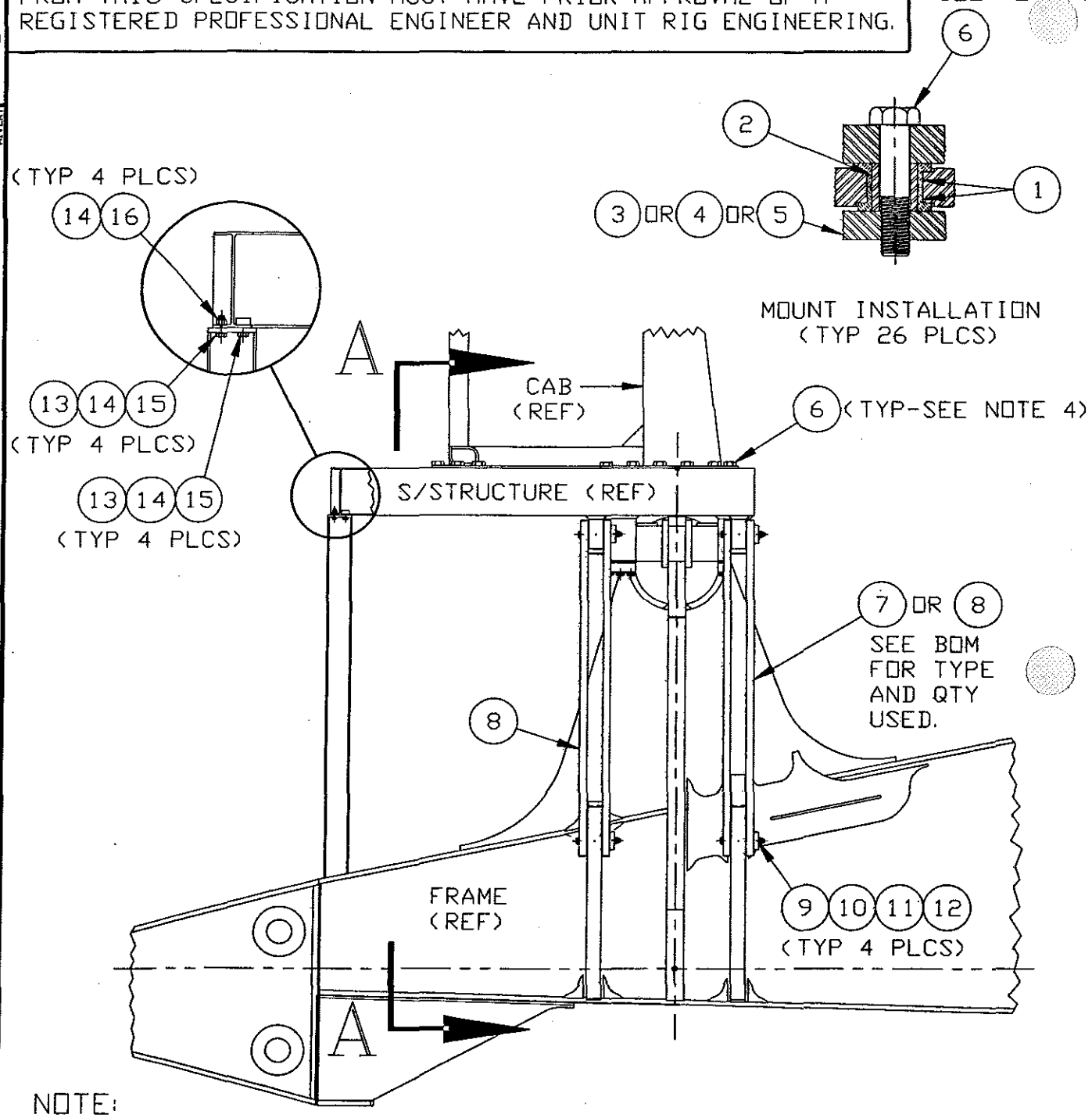
SAFETY SIGN ASSY-ENGL

A83678A

A84183

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NOTE:

1 - TORQUE ALL FASTENERS PER SPEC 02-475 UNLESS OTHERWISE NOTED.
2 - STENCIL ON CAP (ITEM 17) ITS' CORNER LOCATION (ie; LF = LEFT FRONT).
3 - TACK NUT (ITEM 12) TO BOLT THREAD (ITEM 11), AFTER TORQUING, AT TRUCK ERECTION.
4 - APPLY LOCTITE TO THREADS BEFORE INSTALLING.
5 - ALL (DIM) ARE 'ENG REF'.

DR. MASSIE
ENG. APP. FUJAN
REL. CK.

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88437
E.N. NO.

UNIT RIG CAD ™

SUPERSTRUCTURE & CAB MOUNTING

SHEET 1 OF 2

A84183

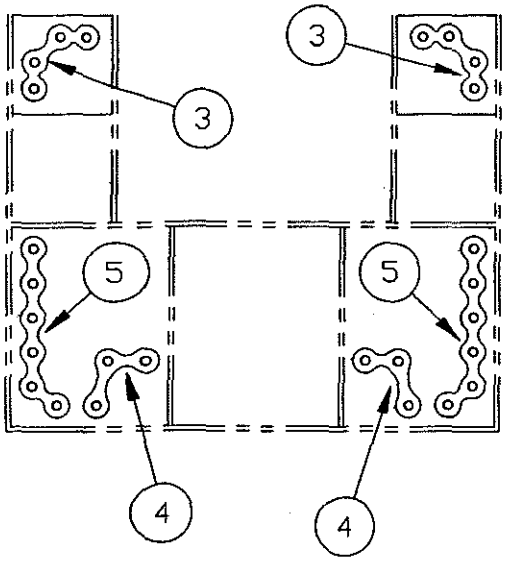
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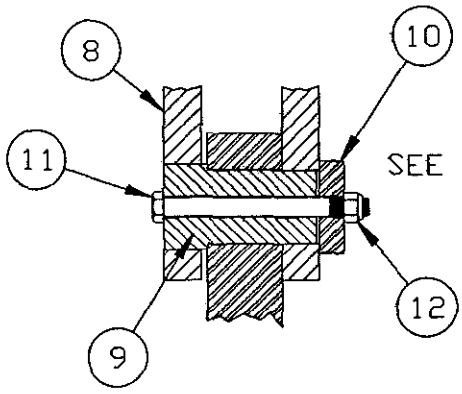
DR. MASSIE
ENG. APP.
REL. CK.

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E.N. NO.

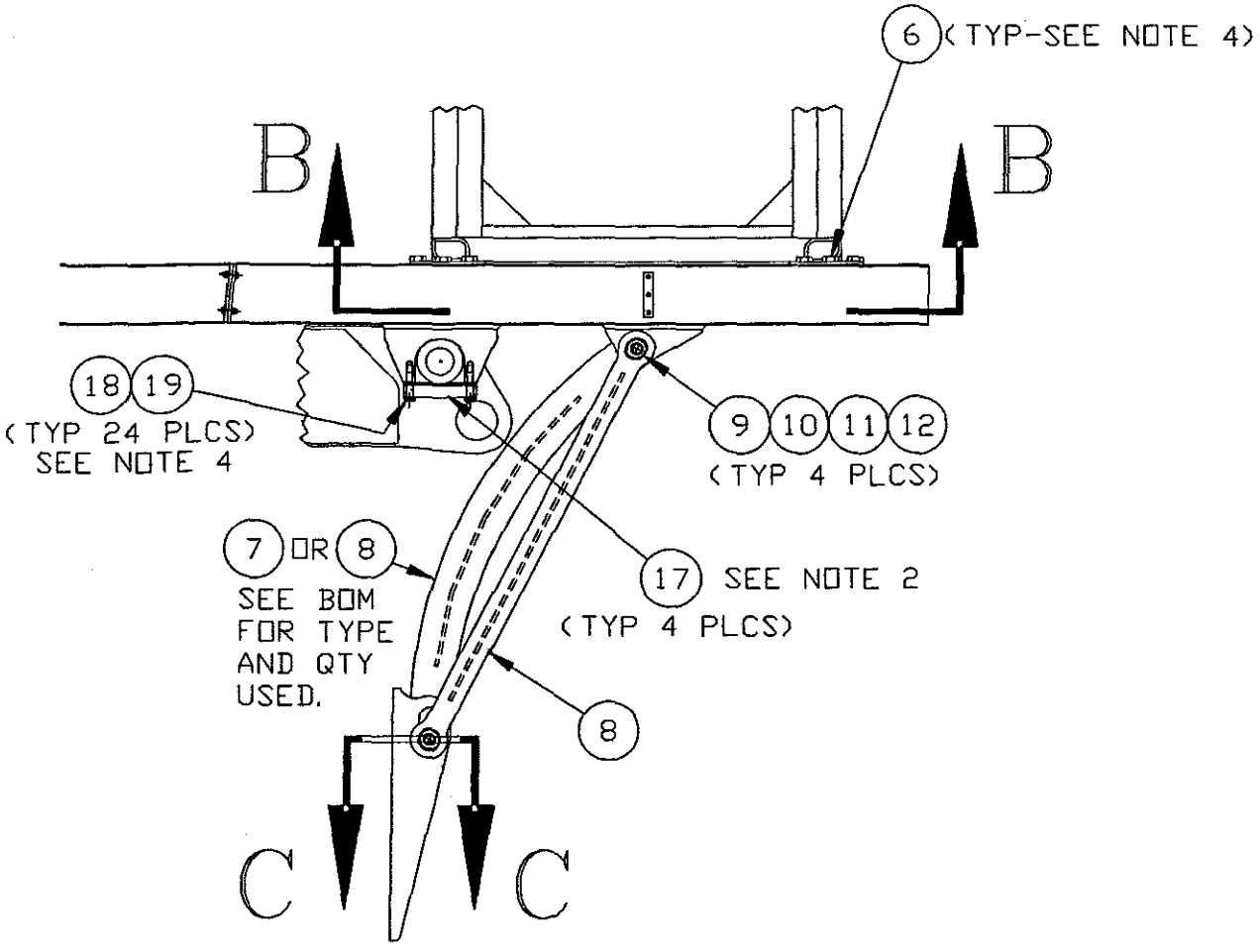
FRONT OF CAB



VIEW B—B
(RETAINER CONFIGURATION)



SEC C—C
(TYP 4 PLCS)



VIEW A—A

UNIT RIG CAD

SUPERSTRUCTURE & CAB MOUNTING

SHEET 2 OF 2

A84183

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	52		55482	MOUNT, VIBRATION
2	26		84153A	MOUNT, SPACER
3	2		84178A	RETAINER PL, CAB FRT
4	2		84178B	RETAINER PL, CAB RR
5	2		84178C	RETAINER PL, CAB RR
6	26		28022	CAPSCR, HX, 1-1/2-6NC X 7 GR 8
8	2		83065C	LINK, R. O. P. S.
9	4		83066A	PIN, ROPS
10	4		83068A	RETAINER, PIN, ROPS
11	4		52096	CAPSCR, HX, 3/4-10NC X 8-1/2 GR 5
12	4		12185	NUT-HEX, FLXLC, 3/4-10
13	8		25113	CAPSCREW, HX, 5/8-11NC X 2-1/4 GR 8
14	12		912944	WASHER, SPECL, HRDND 5/8 X 1-1/8 X 1.125 OD, 3/16" THK
15	8		25912	WASHER, FL, 5/8 X 1.750 OD
16	4		1032488	NUT, LOCK, 5/8-11UNC-DWG 110441E HX, CRNLK, 5/8-11UNC
17	4		83070B	CAP, R. O. P. S. MOUNT
18	24		28299	CAPSCR, HX, 1-14NF X 4-1/2 GR 8
19	24		913739	WASHER, FL, HARDND, 1" X 2.000 OD
99 R	1		A84183	DWG ONLY, S/S & CAB MT

MT4400 W/ R. O. P. S. -
ALL PARTS TO MOUNT
CAB TO S/S PLATFORM
AND S/S TO FRAME.

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ENG. APP.

REL. CK. ELLIS

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E.N. NO.

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CAB & S/S MOUNTING

SHEET 1 OF 1

A84183A

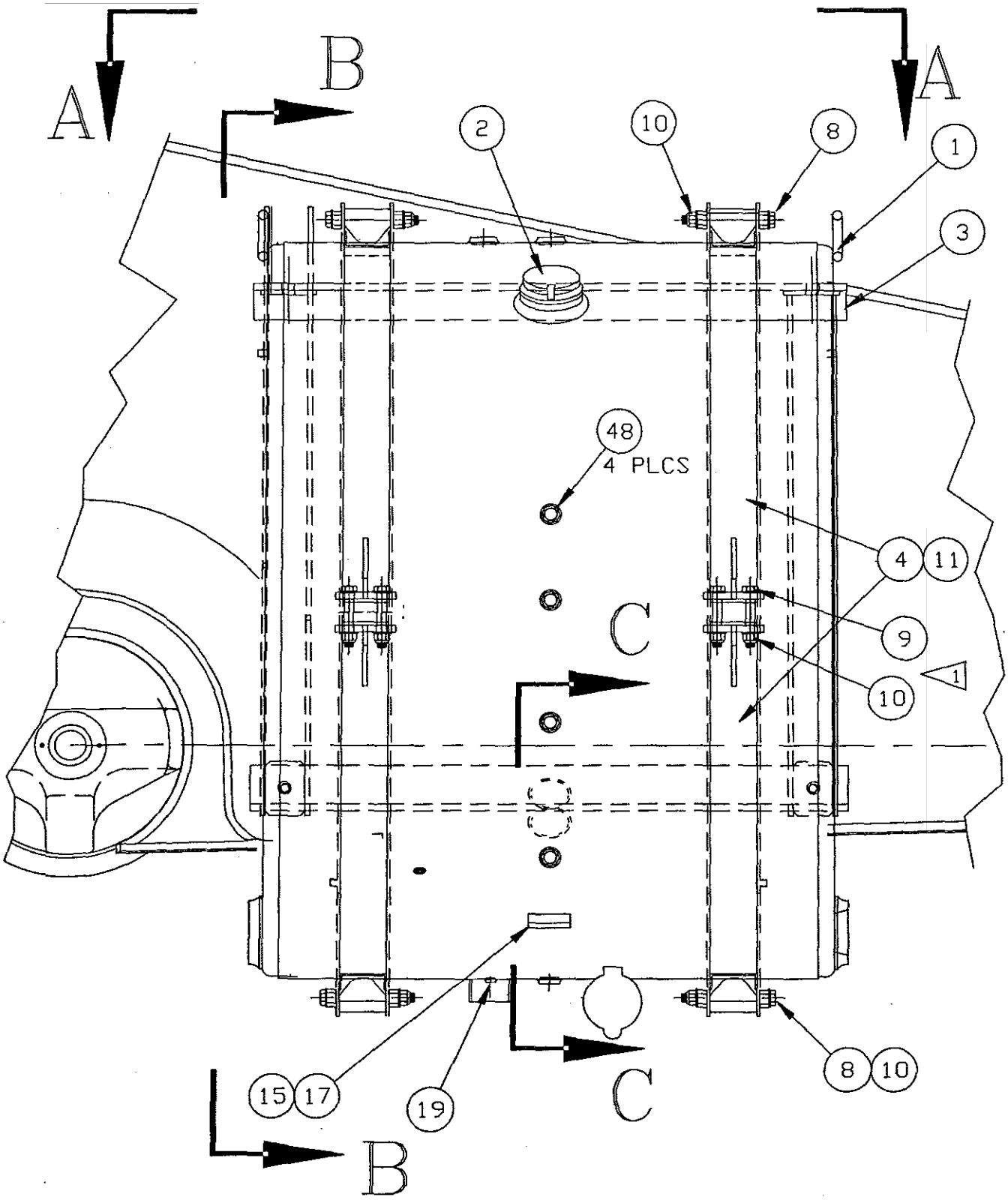
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ENG. APP. ROBINSON
REL. CK. J. ELLIS

94481
94282
59
92602
88506
E.N. NO.



1 TORQUE TO:
110 FT-LBS FOR 3/4" BOLTS
200 FT-LBS FOR 1" BOLTS

TEREX
UNIT RIG

FUEL TANK ASSEMBLY

SHEET 1 OF 6

A84204

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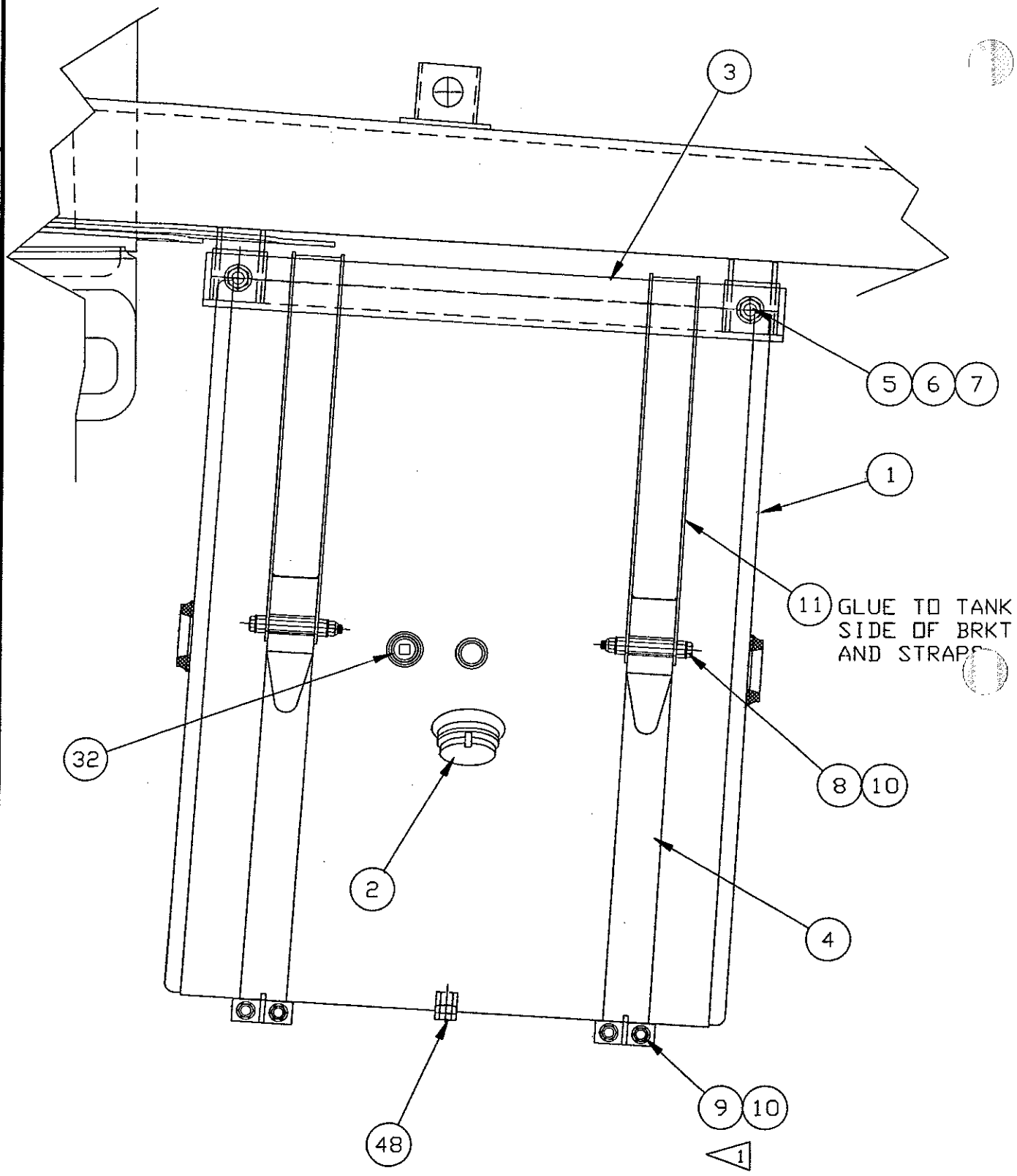
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DR.

ENG. APP.

REL. CK.



VIEW A — A

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E.N. NO.

TEREX UNIT RIG

FUEL TANK ASSEMBLY

SHEET 2 OF 6

A84204

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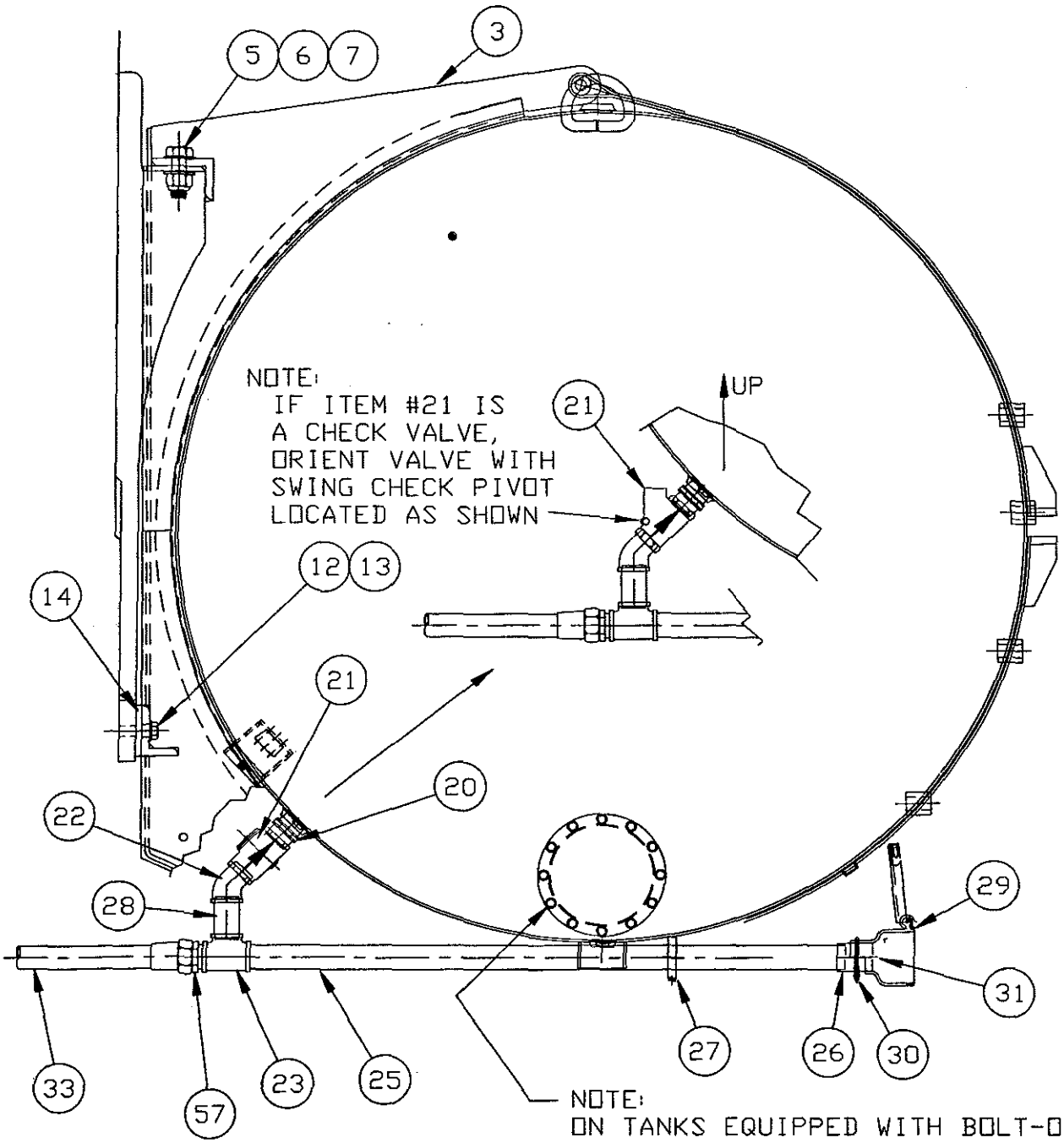
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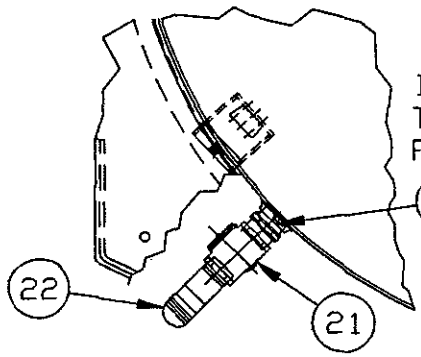
88506

E.N. NO.



NOTE: ITEMS SHOWN IN DRAWING THAT ARE NOT IN THE BOM ARE NOT USED.

VIEW B—B



INSTALLATION AT BOTTOM OF TANK FOR FUEL FILL ON FRONT BUMPER OPTION.

TEREX
UNIT RIG

FUEL TANK ASSEMBLY

SHEET 3 OF 6

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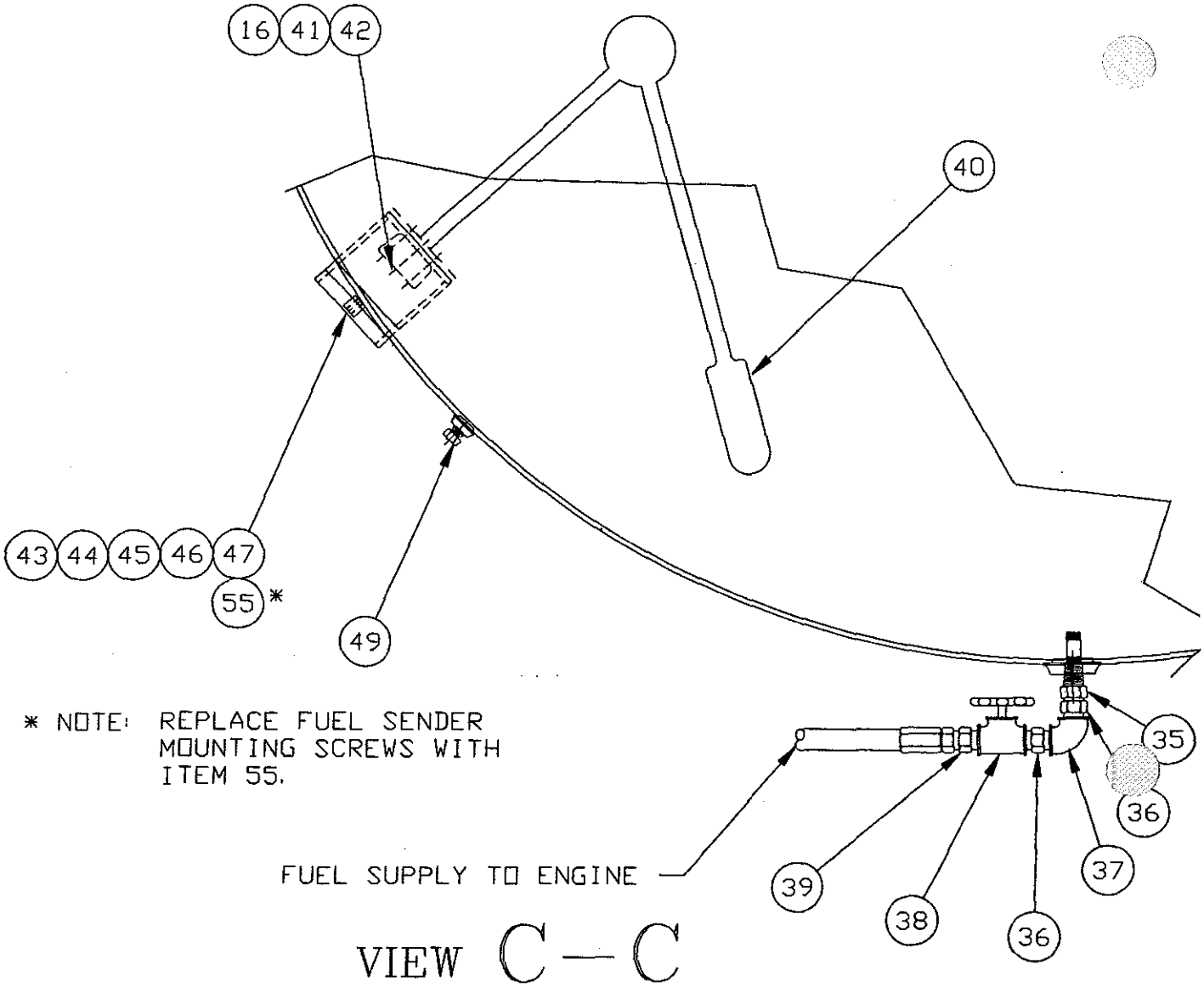
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* NOTE: REPLACE FUEL SENDER MOUNTING SCREWS WITH ITEM 55.

VIEW C — C

TEREX UNIT RIG

FUEL TANK ASSEMBLY

SHEET 4 OF 6

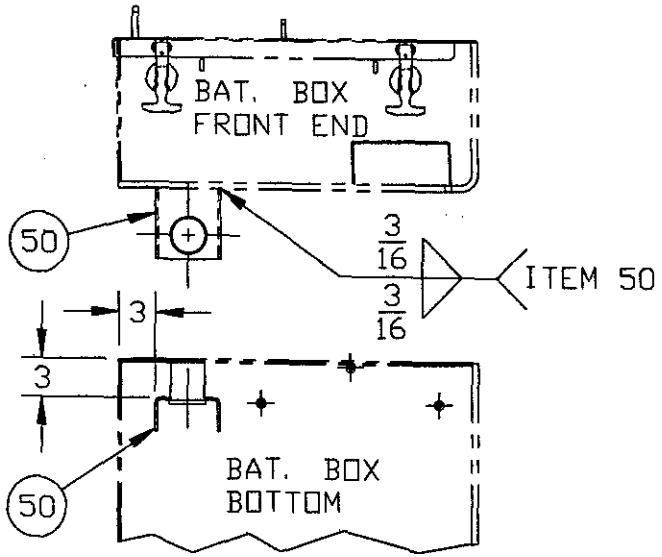
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E.N. NO.	88506	92602	59	94282	94481			REL. CK.	ENG. APP.	DR.

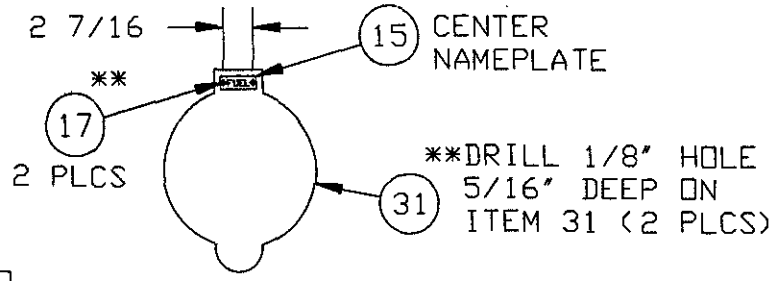
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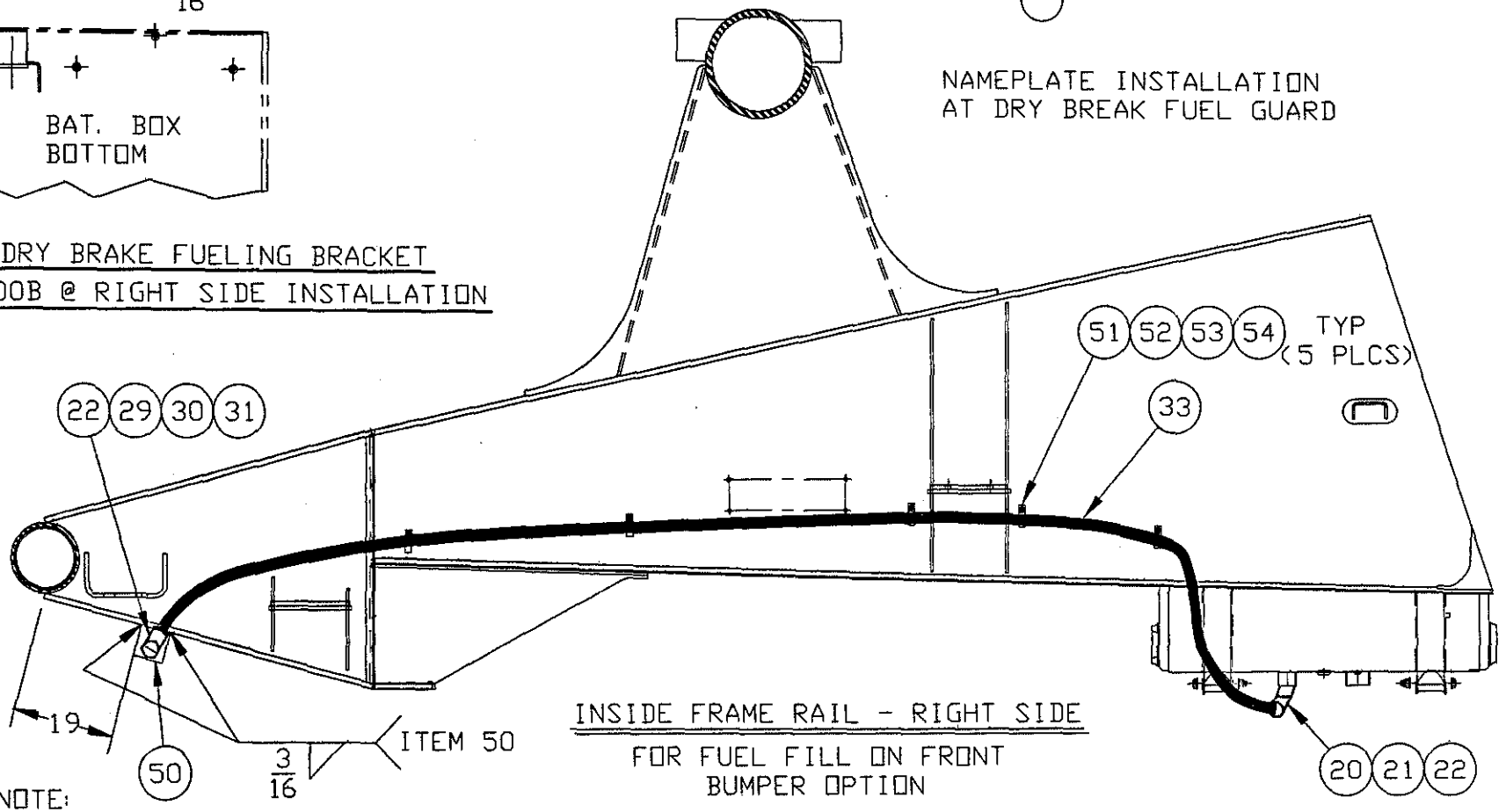
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VIEW OF DRY BRAKE FUELING BRACKET
ON MT36/3700B @ RIGHT SIDE INSTALLATION



NAMEPLATE INSTALLATION
AT DRY BREAK FUEL GUARD



INSIDE FRAME RAIL - RIGHT SIDE
FOR FUEL FILL ON FRONT
BUMPER OPTION

NOTE:
FLUSH ITEM 50 WITH
INSIDE FLANGE EDGE,
FLAT SURFACE OF
BRACKET FACING OUT.

NOTE: USE EXISTING HYDROZORB BRACKETS AND INSTALL TUBE CLAMPS TO SECURE HOSE IN PLACE. WHERE NECESSARY WELD BOLTING PADS AND USE TUBE CLAMPS TO SECURE HOSE.

TEREX UNIT RIG

FUEL TANK ASSEMBLY

SHEET 5 OF 6

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REL. CK.

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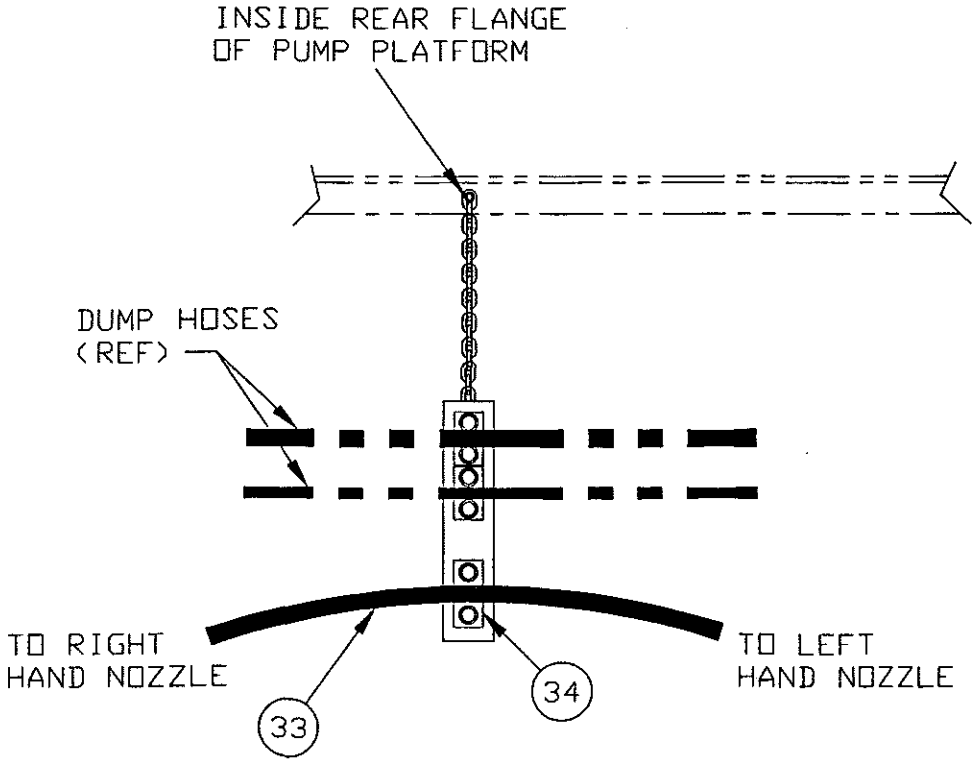
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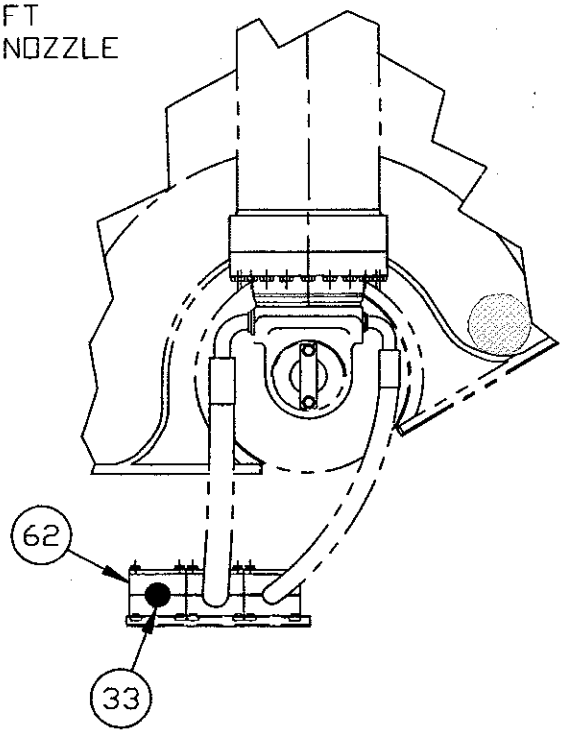
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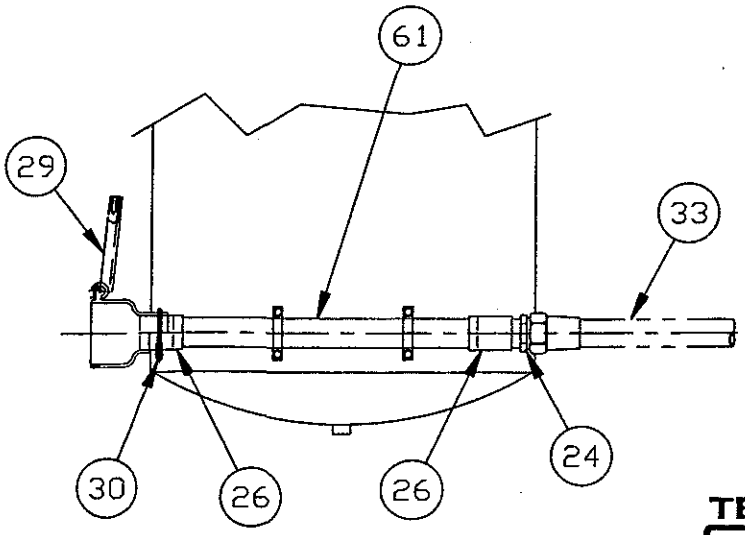
E.N. NO.



VIEW OF CROSSOVER HOSE
FOR MT36/3700 & MT4400 TRUCKS



VIEW OF CROSSOVER HOSE
FOR MT2700/3000/3300 TRUCKS



VIEW OF L.H. NOZZLE
@ REAR SIDE OF HYD. TANK

TEREX
UNIT RIG

FUEL TANK ASSEMBLY

SHEET 6 OF 6

A84204

A84204BB

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		63138W	TANK-FUEL, 800 GAL
3	1		70197N	BRACKET, TANK 72"
4	4		63140F	STRAP-FUEL TANK 72"
5	2		29151	CAPSCREW, HX, 1-1/4-7NC X 4-1/2 GR 8
6	2		14551	NUT-HEX, FLXLC 1-1/4-7 31FN-2007 FLEXLOC
7	2		20117	WSHR, FL, HARDND, 1-1/4 X 2.000 OD
8	4		10074	CAPSCR, HEX, 3/4-10NC X 5-1/2 GR 5
9	4		17272	BOLT TAP 3/4 NCX6
10	8		12185	NUT-HEX, FLXLC, 3/4-10
11	2		18949	WEBBING NEOPRENE
12	2		55880	CAPSCREW-HX 1-1/2-6NC 2-1/2 GR8
13	2		1001005	WASHER, HRDN, 1-9/16 NARROW
14 R	1		NOT-USED	PART NOT USED
15	1		17166	NAMEPLATE-ENGLISH (FUEL)
16	4		10179	WASHER, LK, HELI, 5/16 X .586 OD
17	2		10543	SCREW, RD, U-DRIVE, #6 X 5/16, ZP
19	1		21834	COCK DRAIN
20	1		24617	ADAPTER, NIPPLE, HEX 2 NPTF, MALE
21	1		53480	VALVE, BALL 2" NPT
22	1		19996	ADAPTER, 45 DEG #32 JIC, MALE X 2 NPTF, MALE
22	1		19996	ADAPTER, 45 DEG #32 JIC, MALE X 2 NPTF, MALE
29	1		69152B	GUARD, DRY BREAK FUEL
30	1		25316	CLAMP-U BOLT 3-1/4 3-1/4 I.D.
31	1		20330	RECEIVER ASSY DRY BKE
32	1		20331	VENT, FUEL TANK WIGGINS
33	1		55684	HOSE ASSY 211-32 245" LG W/319-32 FTGS
S* 34	1		84211P	CLAMP-SUPPORT ASSY 2.25 ID
35 R	1		N84204	ASSEMBLY NOTE SEE ENGINE PIPING ASSEMBLY FOR FUEL SUCTION FITTINGS ON TANK. (ITEMS 35-39)

*SEE SERVICE PARTS

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DR. T. DODEN
ENG. APP. FUJAN
REL. CK. ELLIS

93216
E.N. NO.

TEREX MINING

FUEL TANK ASSEMBLY

A84204BB

A84204BB

ITM	QTY	UM	COMPONENT	DESCRIPTION
S * 40	1	*	51180 *	TRANSMITTER-FUEL WHEN USED W/81" DIA TANK, INSTALL WITH DIAL UPSIDE DOWN.
41 R	1		18955	GASKET RUBBER
42	4		16428	CAPSCR, HX, 5/16-24NF X 3/4 GR 5
43	1		66550A	COVER
44	2		10012	CAPSCREW, HX, 3/8-16NC X 1 GR 5
45	2		10180	WASHER, LK, HELI, 3/8 X .683 OD
46	1		16888	GRIP, SEAL 1/2NPT 1/4 - 3/8 DIA CABLE
47	1		16889	LOCKNUT CONDUIT 1/2"
48	4		56156	SIGHT PLUG, LIQUID LEVEL W/FLOATING BALL
49	1		55252	SENSOR-OIL LEVEL
50	1		79783A	BRACKET, FUEL DRY BRK
51	5		17145	CLAMP-CUSHION 2-1/4
52	5		948634	PAD, BOLTING 3/8 NC 3/4 OD X 3/4 LG
53	5		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
54	5		10180	WASHER, LK, HELI, 3/8 X .683 OD
99 R	1		A84204	DWG ONLY, FUEL TK ASSY

800 GAL TANK W/ BALL VLV/FUEL FILL LOC.
FRT RIGHT BUMPER ONLY
MT4400

*SEE SERVICE PARTS

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REL. CK.

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E.N. NO.

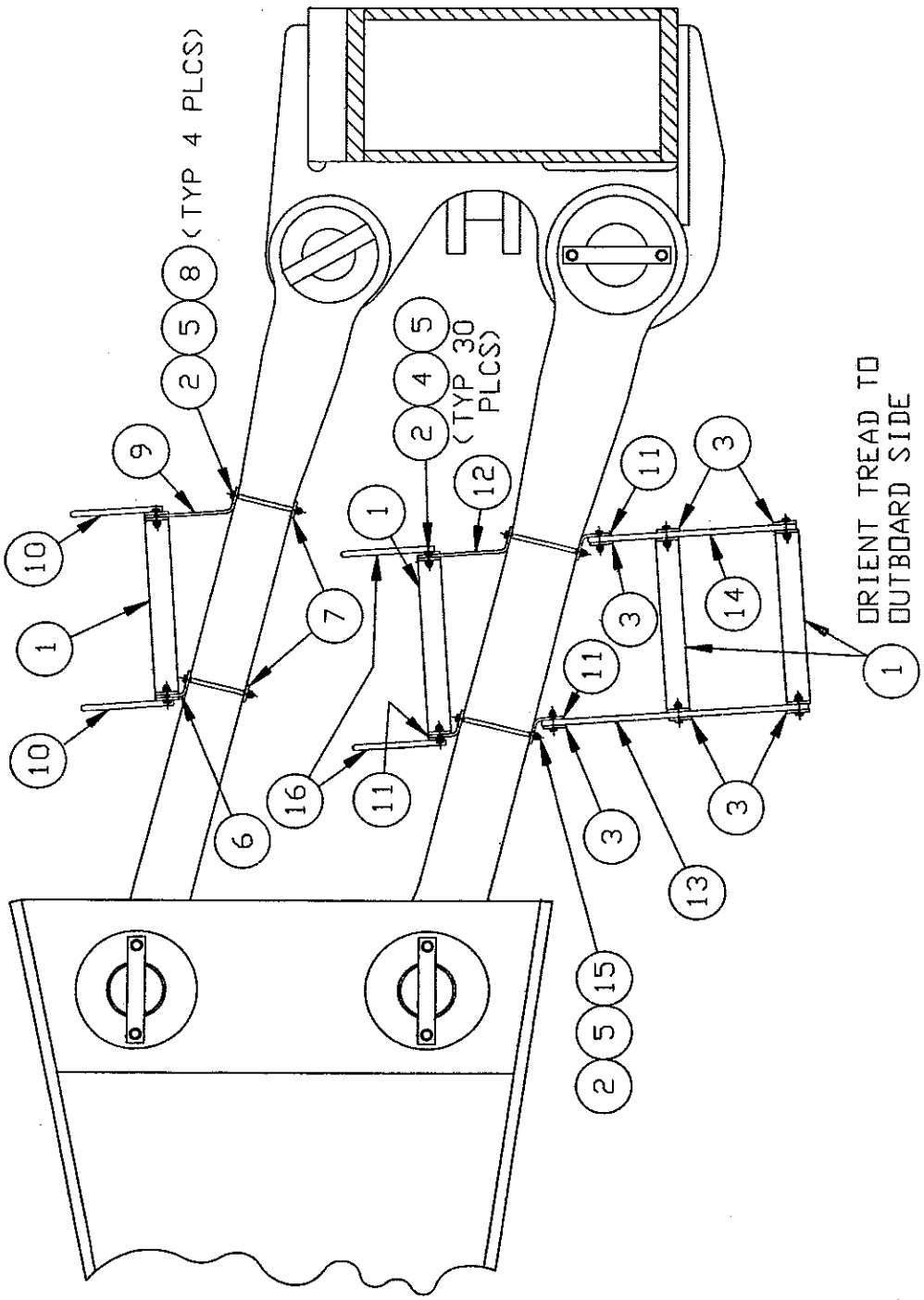
TEREX MINING

FUEL TANK ASSEMBL

A84204BB

A84242

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ENG. APP. MASSIE
REL. CK. ELLIS

91666
88471
E.N. NO.

UNIT RIG CAD ™

LADDER,ENGINE SERVICE

SHEET 1 OF 1

A84242

A84242A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	4		80591A	STAIRSTEP-LADDER
2	38		10180	WASHER, LK, HELI, 3/8 X .683 OD
3	6		80593A	END CAP-LADDER
4	30		10014	CAPSCREW, HX, 3/8-16NC X 1-1/2 GR 5
5	38		17413	NUT-HEX, FLXLC 3/8-16
6	1		83052A	BRACKET-LADDER SPRT
7	2		83053A	STRAP, LADDER SUPPORT
8	4		10584	CAPSCREW, HX, 3/8-16NC X 6-1/2 GR 5
9	1		83052B	BRACKET-LADDER SPRT
10	2		83239A	HANDLE-LADDER
11	3		83052C	BRACKET, LADDER SPRT
12	1		83052E	BRACKET, LADDER SPRT
13	1		80589A	STRAP-LADDER
14	1		80589H	STRAP, LADDER
15	4		25270	CAPSCR, HX, 3/8-16NC X 7-1/4 GR 5
16	2		83239A	HANDLE-LADDER
20 R	1		A84242	DWG ONLY, ENG LADDER

FOR MT4400. QTY FOR 1 SIDE ONLY.

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ENG. APP. FUJAN

REL. CK. ELLIS

91666

88471

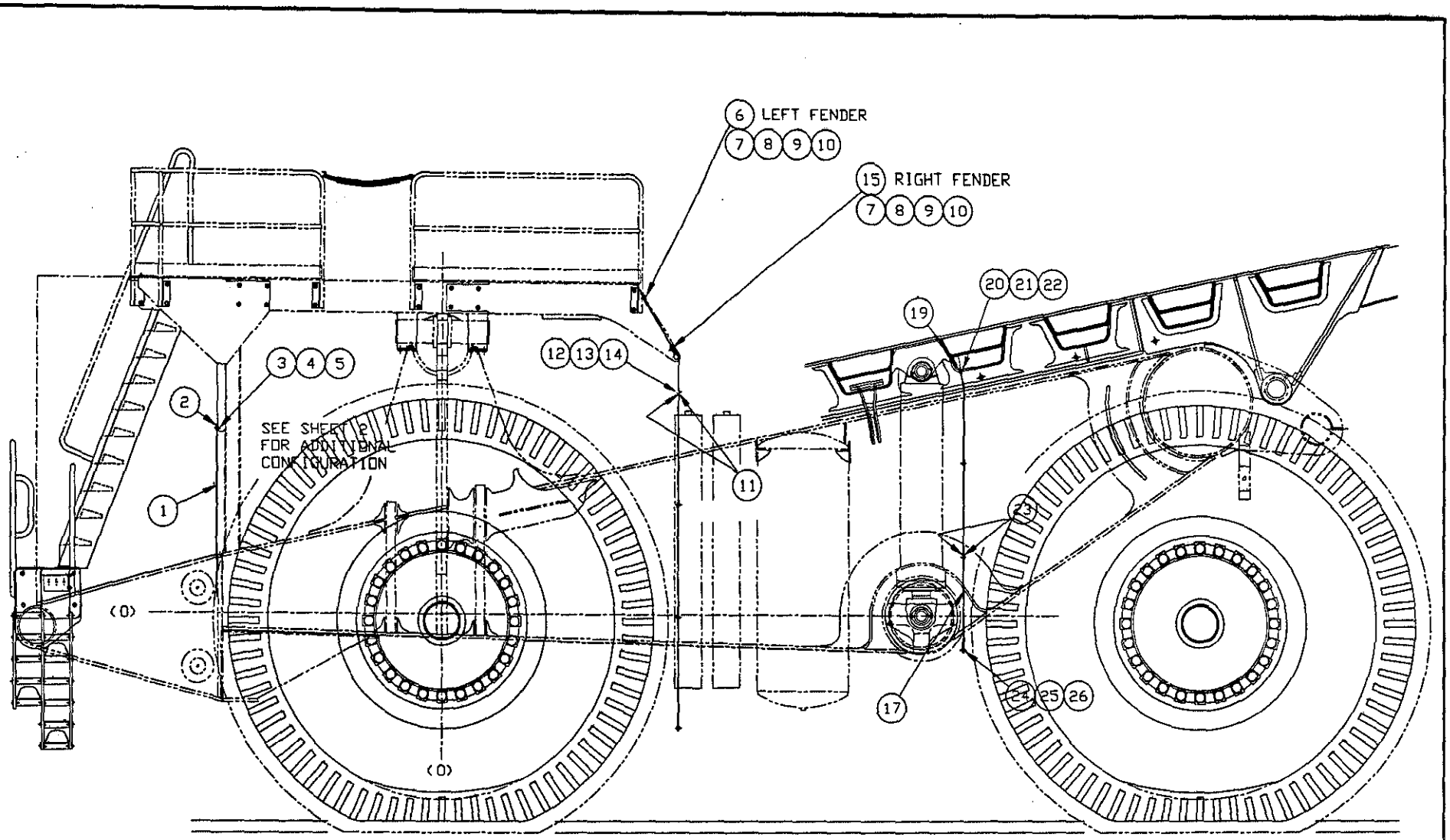
E.N. NO.

TEREX MINING

LADDER, ENGINE SERVICE

SHEET 1 OF 1

A84242A



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A84257

DR. MASSIE
ENG. APP.
DODEN
REL. DR.
ELLIS

91891
89544
89047
88596
E.N. NO.

UNIT RIG
CAD

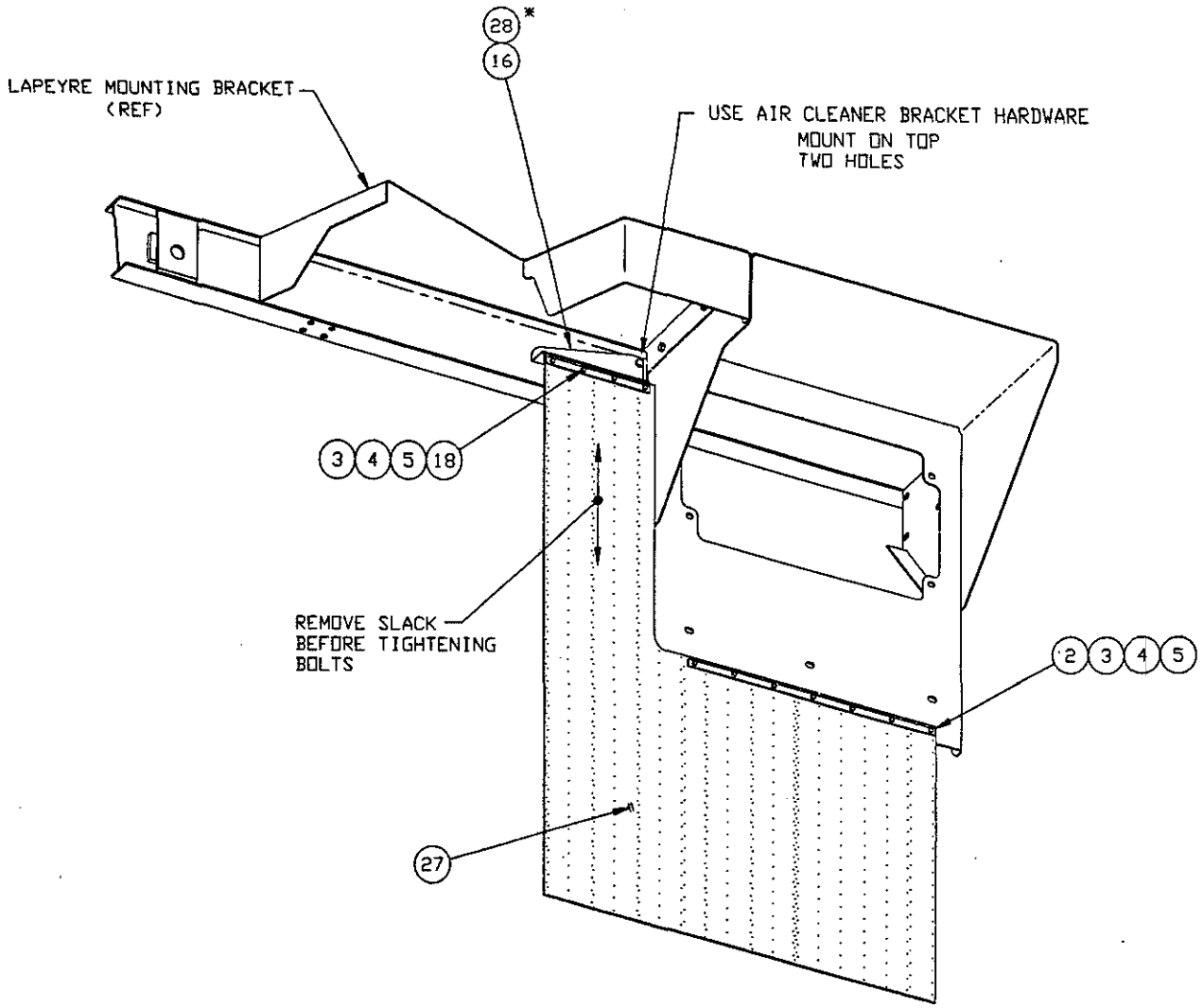
MUD GUARD ASSEMBLY
SHEET 1 OF 2
A84257

BI115389

A84257

ITEMS SHOWN ON PICTORIAL THAT ARE NOT ON BILL OF MATERIAL ARE NOT USED.

*RIGHT SIDE BRACKET IF REQUIRED.



LADDER PROTECTION CONFIGURATION

LEFT SIDE SHOWN, RIGHT SIDE OPPOSITE.

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DR.	ENG. APP.	REL. CK.	E.N. NO.
			91891
			89544
			89047
			88596

UNIT RIG

CAD Size 2

MUD GUARD ASSEMBLY

SHEET 2 OF 2

A84257

BI115389

A84257N

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	2		1002206	MUD FLAP(DWG 1101609) W = 38 WIDE L = 42 LONG T TOTAL SLOTS OPTION DIM = 6
2	2		1002213	CLAMP (DWG 1100886) L = 38
3	14		10014	CAPSCREW,HX,3/8-16NC X 1-1/2 GR 5
4	14		17413	NUT-HEX,FLXLC 3/8-16
5	14		10164	WASHER,FL,3/8 X 1 OD,ZP
6	1		56165	FLAP-MUD,S/S REAR
7	2		80572T	RETAINER,MUD FLAP
8	30		10014	CAPSCREW,HX,3/8-16NC X 1-1/2 GR 5
9	30		17413	NUT-HEX,FLXLC 3/8-16
10	30		10164	WASHER,FL,3/8 X 1 OD,ZP
15	1		56165	FLAP-MUD,S/S REAR
17	2		56161	FLAP, MUD-DUMP BODY
19	2		80572E	RETAINER,MUD FLAP
20	28		10014	CAPSCREW,HX,3/8-16NC X 1-1/2 GR 5
21	28		17413	NUT-HEX,FLXLC 3/8-16
22	28		10164	WASHER,FL,3/8 X 1 OD,ZP
99 R	1		A84257	DWG ONLY,MUD GUARD

MT4400AC. FRONT & REAR OF FRONT TIRES AND FRONT OF REAR TIRES. FOR RIGHT SIDE MUFFLERS OR DUMP BODY HEAT EXHAUST.

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DR. BORTHICK

ENG. APP. FUJAN

REL. CK. ELLIS

92744

E.N. NO.

TEREX MINING

MUD GUARD ASSY

SHEET 1 OF 1

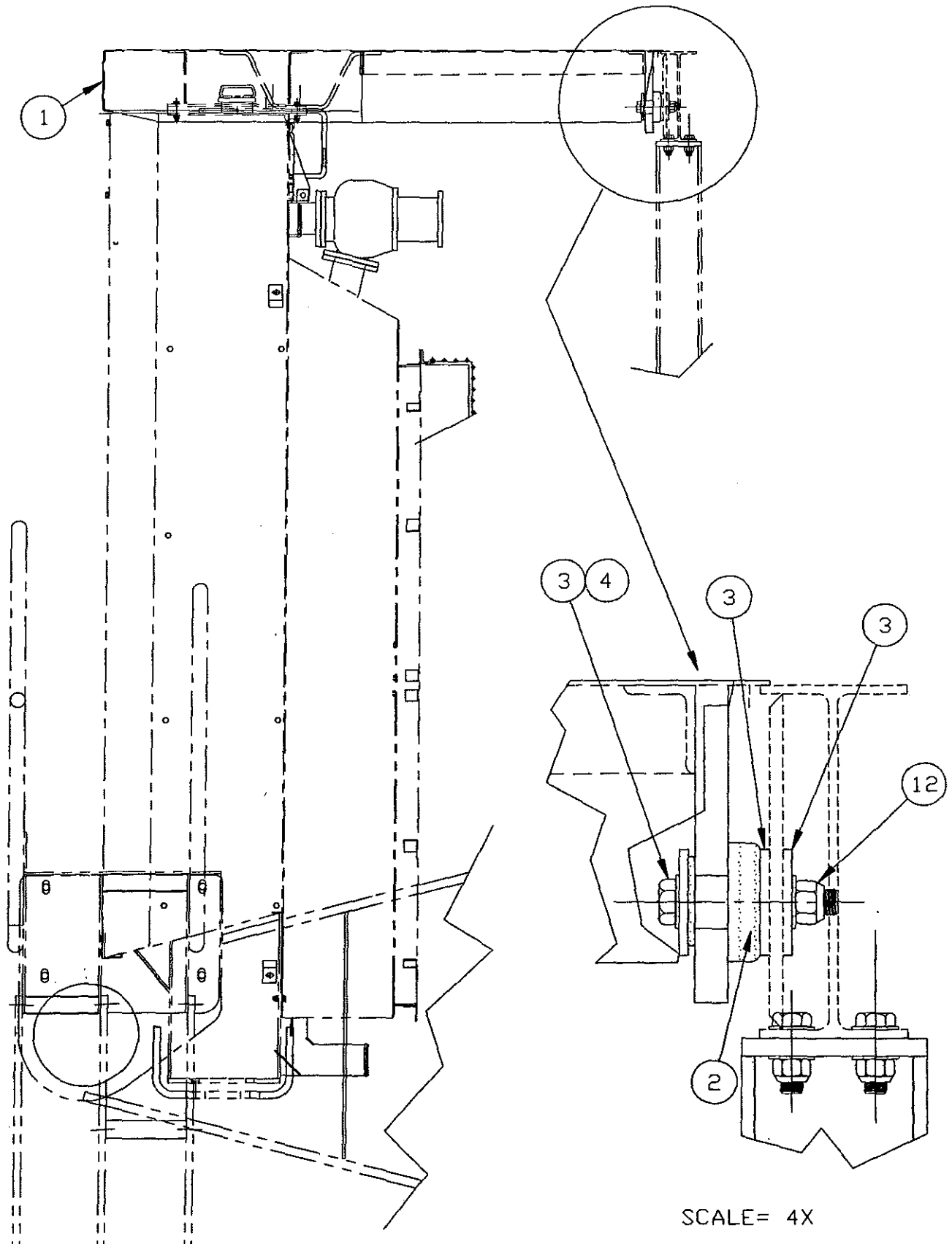
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A84261

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DR.
T. DODEN
ENG. APP.
REL. CK.

92858
88564
E.N. NO.



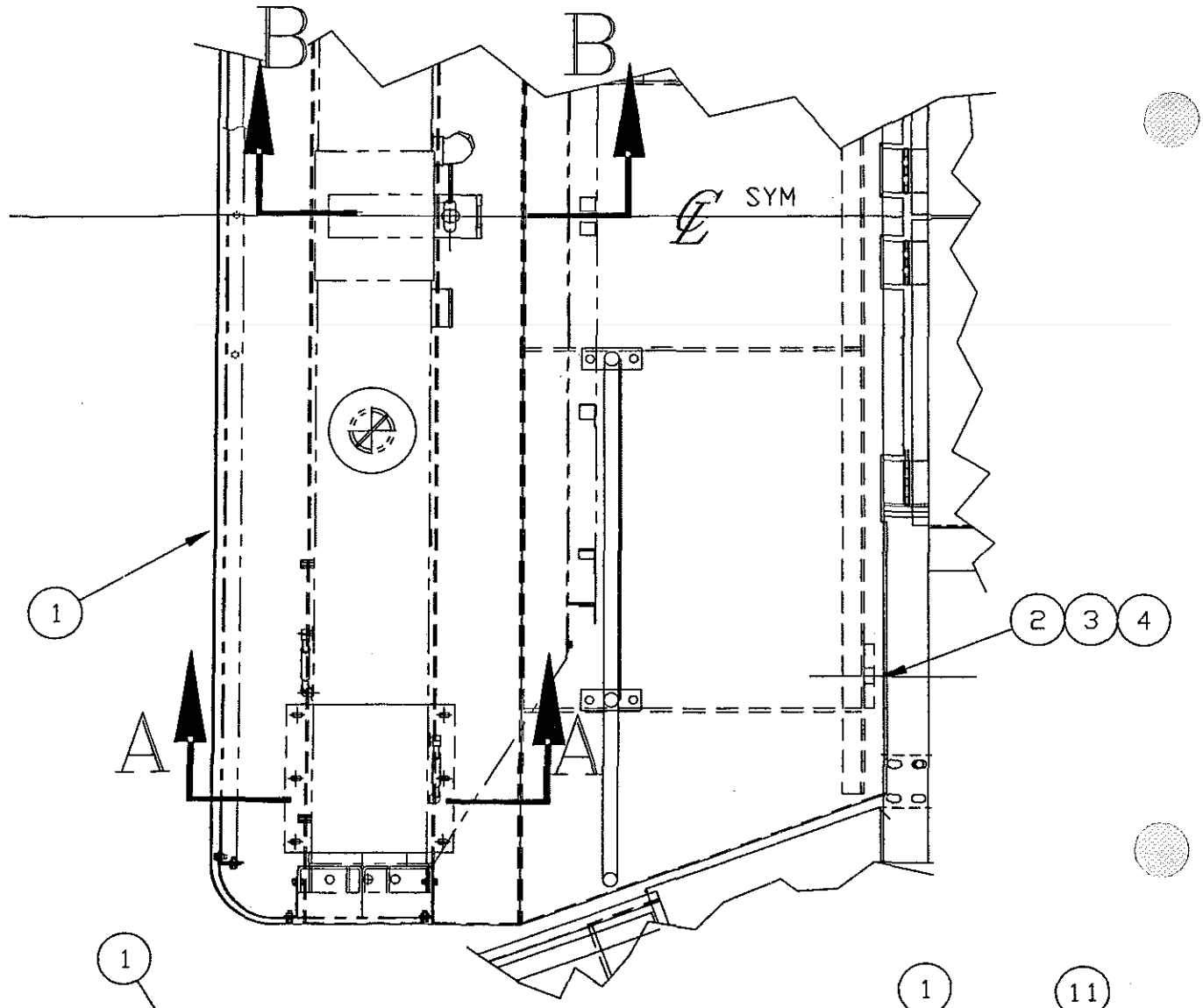
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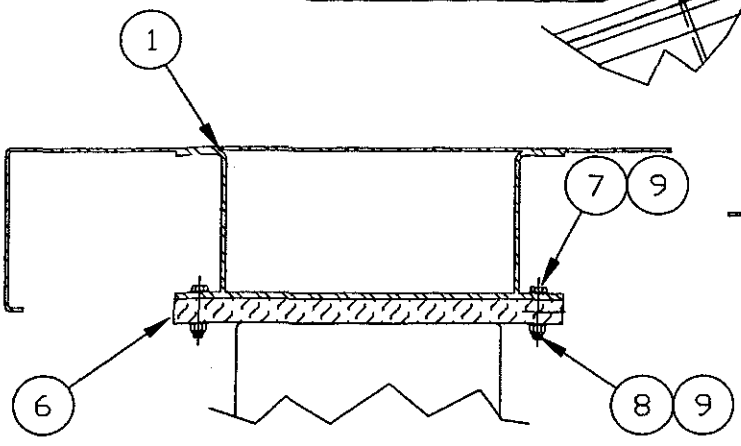
UNIT RIG CAD ™

HOOD MOUNTING ASSY

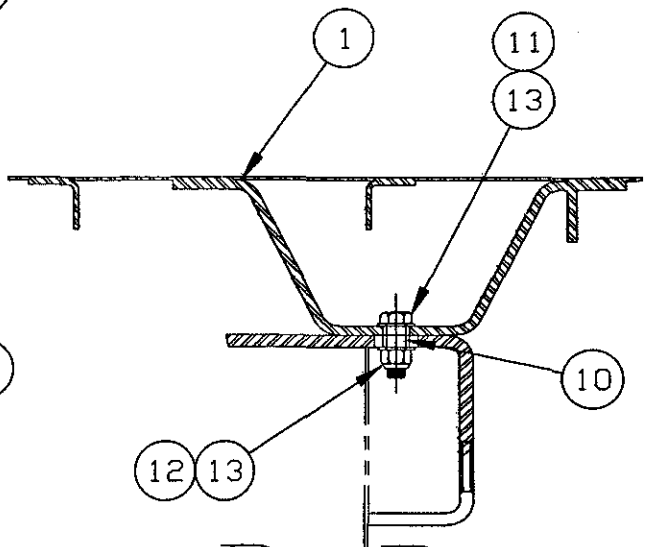
SHEET 1 OF 2

A84261





SEC A—A



SEC B—B

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ENG. APP.

REL. CK.

92858

88564

E.N. NO.

UNIT RIG CAD ™

HOOD MOUNTING ASSY

SHEET 2 OF 2

A84261

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		83513E	HOOD TOP
2	2		27822	MOUNT-SHOCK
3	6		84448A	WASHER-SNUBBING
4	2		10072	CAPSCREW, HX, 3/4-10NC X 4-1/2 GR 5
6	2		53775	PAD-RADIATOR
7	12		10016	CAPSCREW, HX, 3/8-16NC X 2 GR 5
8	12		17413	NUT-HEX, FLXLC 3/8-16
9	24		10164	WASHER, FL, 3/8 X 1 OD, ZP
10	1		83710A	SPACER-HOOD
11	1		10065	CAPSCREW, HX, 3/4-10NC X 2-1/2 GR 5
12	3		12185	NUT-HEX, FLXLC, 3/4-10
13	2		10169	WASHER, FL, 3/4 X 2.000 OD
99 R	1		A84261	DWG ONLY, HOOD ASSY

MT4400 W/2467HP MTU
OR CUMMINS K2000/QSK60 OR
DDC 16V149/16V4000.

A84261A

AIVERT-TEREX

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E.N. NO.

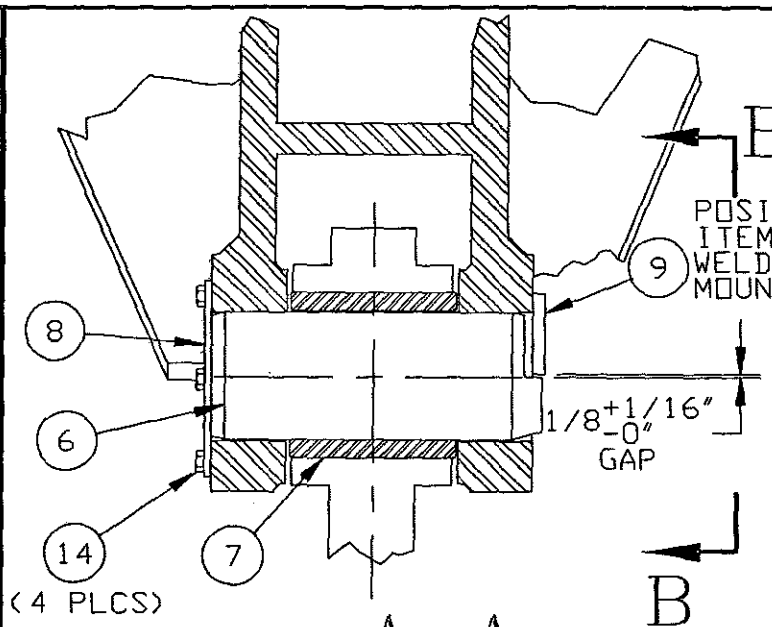
TEREX MINING

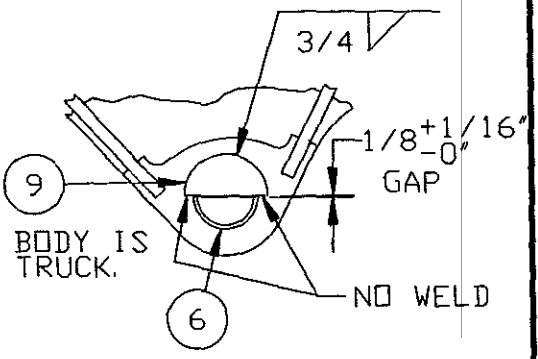
HOOD ASSEMBLY

SHEET 1 OF 1

A84261A

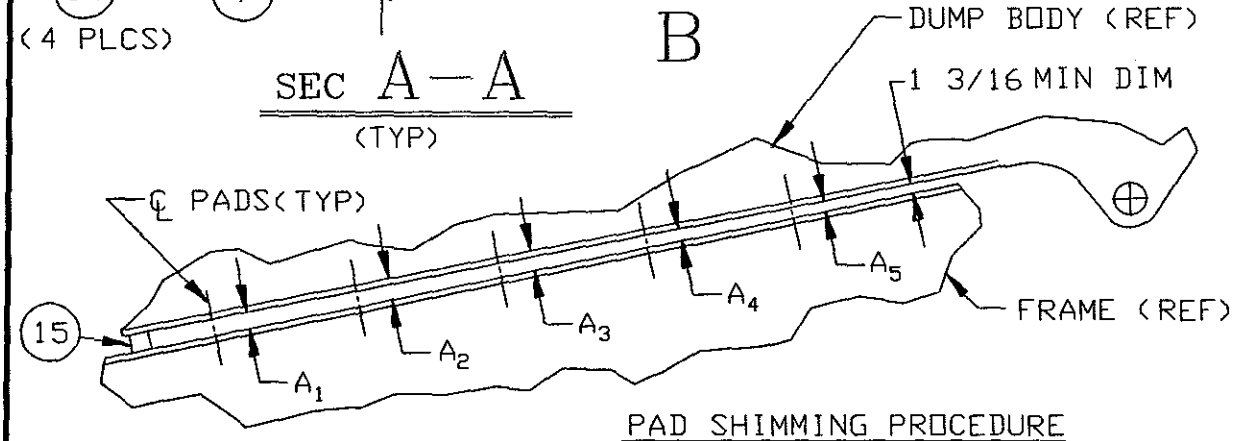
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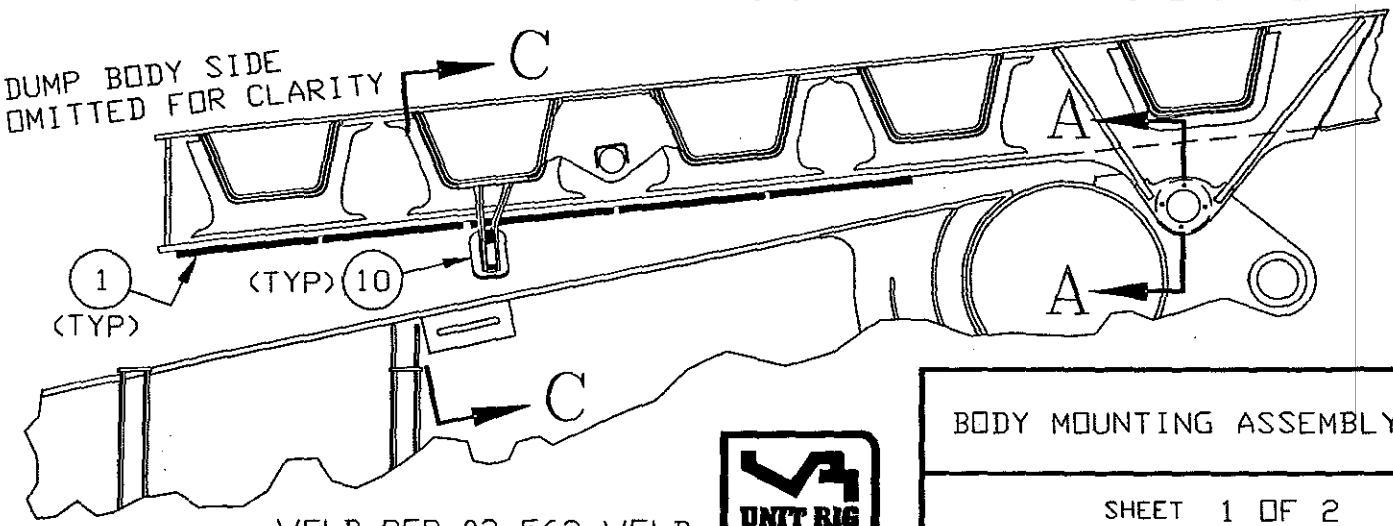
VIEW B-B
(TYP)

SEC A-A
(TYP)



PAD SHIMMING PROCEDURE

1) PLACE ITEM 15 ON TOP FLANGE OF FRAME PERPENDICULAR TO FRAME RAIL. ITEM 15 SHOULD BE LOCATED APPROX. 3" IN FRONT OF FIRST SET OF PAD MOUNTING SLOTS.
2) IF DIMENSION FROM DUMP BODY FLANGE TO FRAME FLANGE AT 3" BEHIND LAST SET OF SLOTS IS LESS THAN 1-3/16, PLACE SHIMS UNDER ITEM 15 UNTIL MINIMUM DIMENSION IS ACHIEVED.
3) MEASURE GAP BETWEEN DUMP BODY AND FRAME AT THE CENTER SLOTS FOR PAD MOUNTING (BOTH INSIDE AND OUTSIDE OF RAIL AND AVERAGE THE DIM.) DIMENSIONS A1-A5.
4) SUBTRACT PAD THICKNESS FROM DIMENSIONS A1-A5 TO DETERMINE SHIM GAPS.
5) INSTALL PADS AND ADD SHIMS, IF NECESSARY, THAT ARE EQUAL IN TOTAL THICKNESS (±1/32) TO THE SHIM GAP AT EACH PAD LOCATION.



WELD PER 02-563 WELD CONSOLIDATION DOCUMENT.

UNIT RIG CAD ™

BODY MOUNTING ASSEMBLY

SHEET 1 OF 2

A84263

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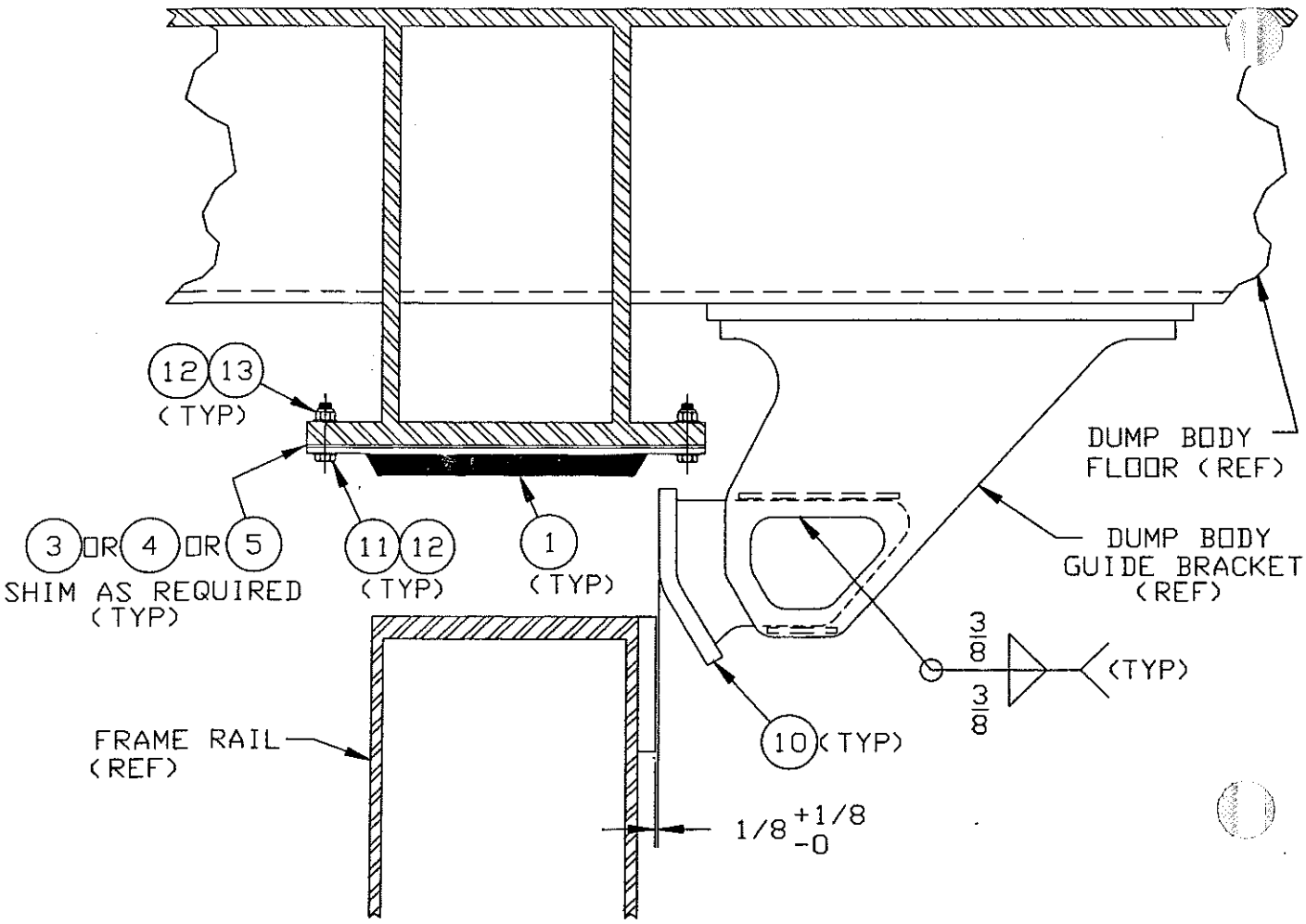
DR. HAUSER
ENG. APP. FUJAN
REL. CK. ELLIS

92760
88548
E.N. NO.

A84263

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REL. CK. ELLIS



SEC C—C
(TYP)

BODY GUIDE ADJUSTMENT PROCEDURE

1. INSTALL DUMP BODY ONTO FRAME.
2. PARK UNIT ON LEVEL GROUND.
3. RAISE AND LOWER DUMP BODY THREE (3) TIMES.
4. INSTALL ITEM 10 AS SHOWN ON SEC C-C ABOVE. NOTE THAT ITEM 10 IS ADJUSTABLE BY SLIDING IT IN AND OUT OF DUMP BODY GUIDE BRACKET.

92760
88548
E.N. NO.

UNIT RIG CAD ™

BODY MOUNTING ASSEMBLY

SHEET 2 OF 2

A84263

A84263G

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	10		79849C	PAD,DUMP BODY
3	10		80820W	SHIM-PAD (1/4)
4	10		80820X	SHIM-PAD (10GA)
5	20		80820Y	SHIM-PAD (16GA)
6	2		81281K	PIN-PIVOT
7	2		80309H	BUSHING, BODY PIVOT BRONZE (MH)
8	2		82666C	CAP-PIN RETAINING
9	2		83681F	KEEPER, PIN
10	2		84037A	GUIDE-DUMP BODY
11	60		10033	CAPSCREW,HX,1/2-13NC,ZP X 2-1/2 GR 5
12	120		24777	WSHR,FL,HARDND,1/2 X 1.375 OD
13	60		17412	NUT,HX,CRNLK,1/2-13NC STD GR B
14	8		14740	CAPSCREW,HX,1/2-13NC X 1-1/2 GR 5 NYLOK
15	2		84068A	SHIM BLOCK
99 R	1		A84263	DWG ONLY,BODY MNT ASY

MT4400. KEYED PINS.
MOLDED PADS.
BRONZE BUSHINGS.
HARDENED KEEPER.

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REL. CK. ELLIS

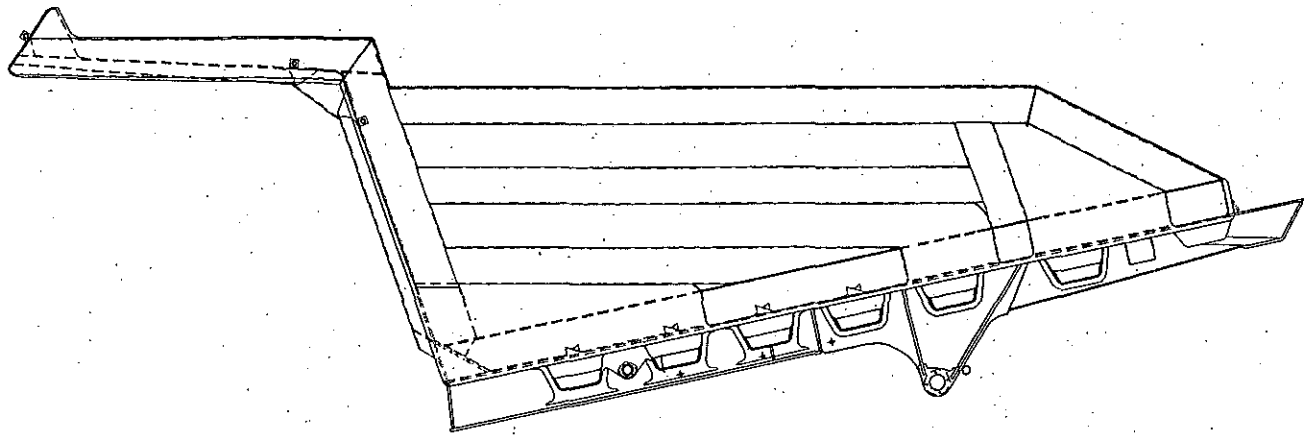
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E.N. NO.

TEREX MINING

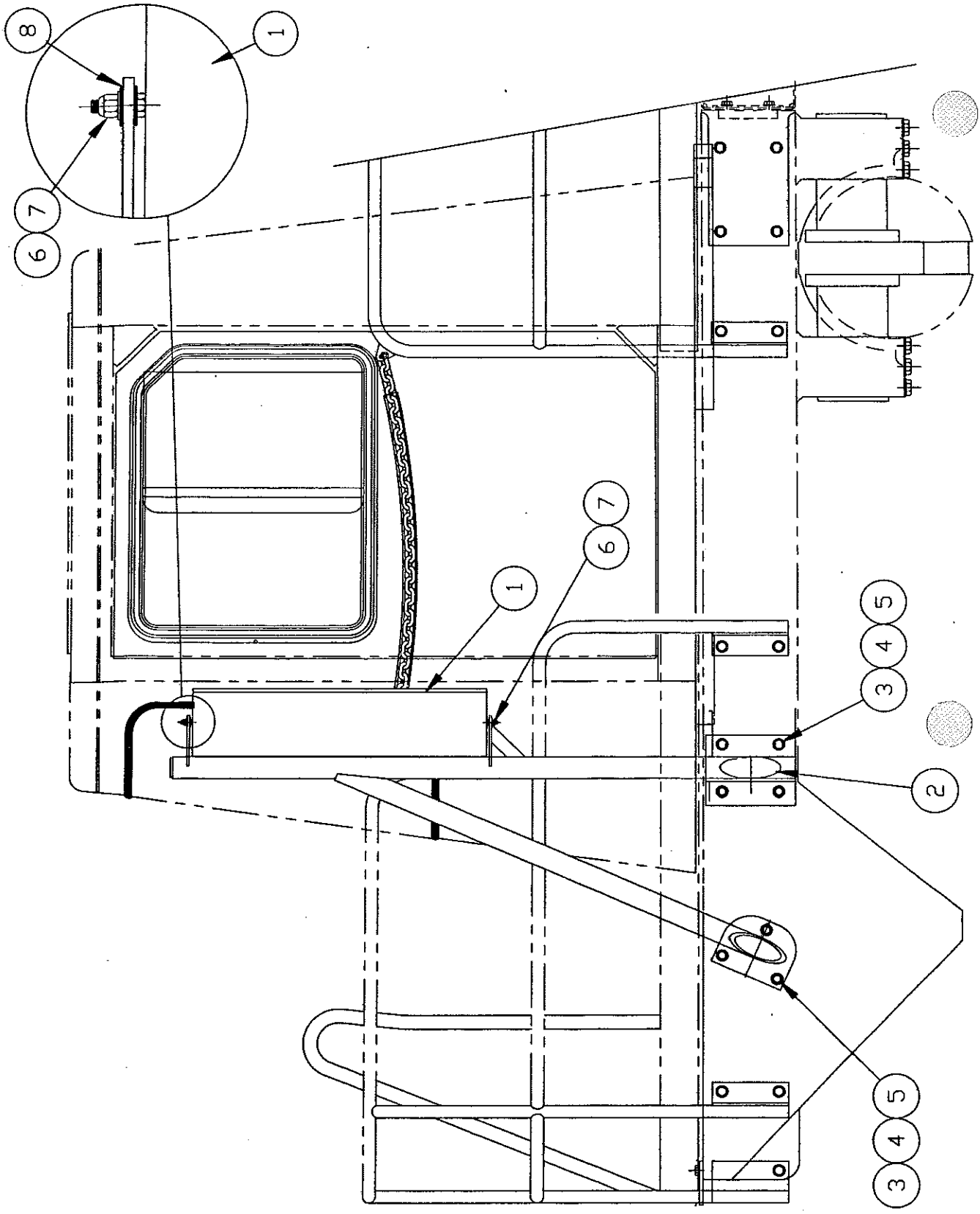
BODY MOUNTING ASSY

SHEET 1 OF 1
A84263G

Assembly **A84294V**, **DUMP BODY ASSEMBLY**
contains proprietary information.
If more information is necessary please contact your
Terex | Unit Rig representative.



TEREX | UNIT RIG **ENGINEERING**	DUMP BODY ASSEMBLY	A84294V	
		E.N. 91049, 93503	SHEET 1 OF 1



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A84414

ALVERT

DR. T. DODEN

ENG. APP.

REL. CK.

88896

RED

88798

E.N. NO.

UNIT RIG CAT ™

MIRROR MOUNTING ASS'

SHEET 1 OF 1

A84414

A84414A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		28649	MIRROR-REAR VIEW W=10 X H=30 FLAT
2	1		78154G	BRACKET-MTG, MIRROR
3	5		10044	CAPSCREW, HX, 5/8-11NC X 1-1/4 GR 5
4	10		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
6	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
7	2		17413	NUT-HEX, FLXLC 3/8-16
8	2		980074	GROMMET RUBBER
10 R	1		A84414	DWG ONLY, MIRROR MTG

FOR MT30/33/36/37/44,
10 X 30 FLAT MIRROR
ON BOLT ON BRACKET.

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DR. DODEN
ENG. APP. WFR
REL. CK. ELLIS

93
88896
88798
E.N. NO.

TEREX MINING

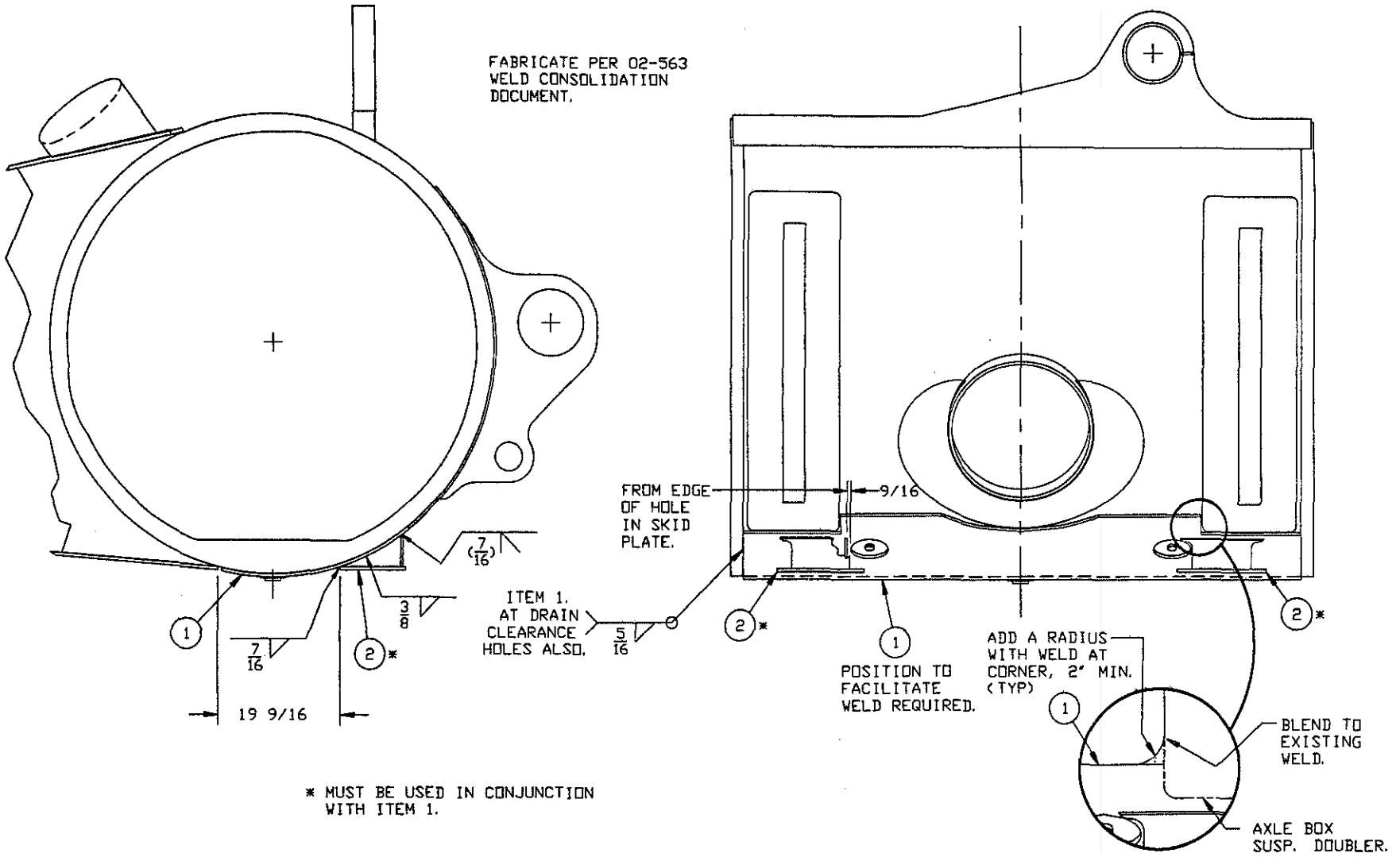
MIRROR MTG ASSY L. H.

SHEET 1 OF 1

A84414A

A84585

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CHG	EN. NO.	DATE	DESCRIPTION		VEHICLE	S.N.
■	89184	12-95	RELEASE	A84585A	MH	71-75
				N/A		

SIMILAR TO:

TOLERANCES: UNLESS OTHERWISE SPECIFIED

DECIMAL	FRACTION	ANGULAR
.XXX ± .010	± 1/8	± 1/2°
.XX ± .03		
.X ± .1		

REMOVE ALL BURRS AND EDGES

JACK PAD, SKID PLATE ASSEMBLY

DR BORTHICK
ENG APP
REL CK

UNIT RIG

CAD SIZE 2

©COPYRIGHT DATE: 12-95

SHEET 1 OF 1

A84585

BI115389

A84585A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		84583A	SKID PLATE, AXLE BOX
2	2		84584A	PAD-JACKING, AXLE BOX MUST BE USED IN CONJUNCTION WITH A DOUBLER ON AXLE BOX SKIN.
99 R	1		A84585	DWG ONLY, SKID/JACKPAD

ALVERT-TEREX

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DR. RAY B.

ENG. APP. FUJAN

REL. CK. ELLIS

89184

E.N. NO.

TEREX

UNIT RIG

JACKPAD, SKID PLT. ASSY

SHEET 1 OF 1

A84585A

A84623

AIVERT-TEREX

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DR.
T. DODEN

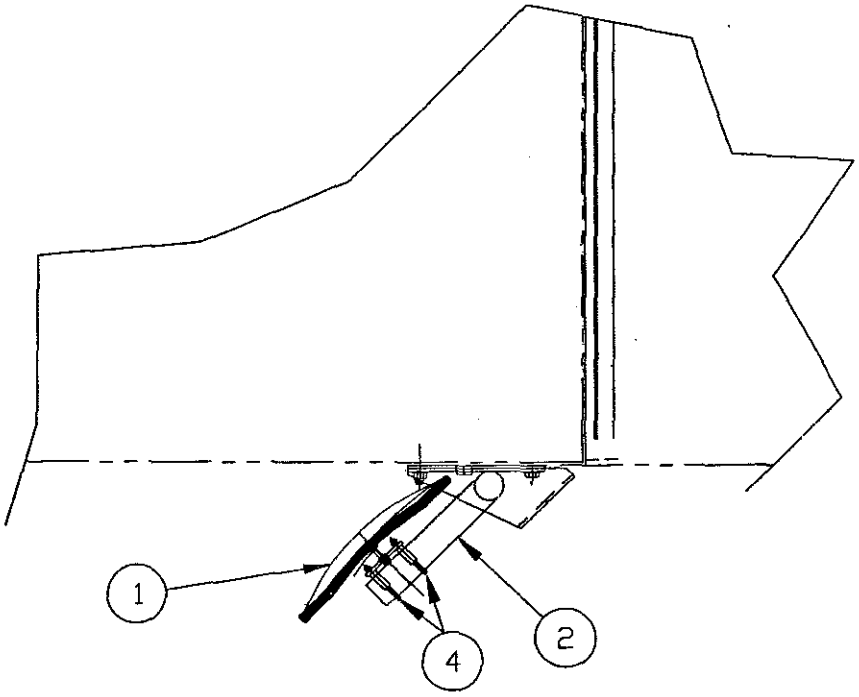
ENG. APP.
ROBINSON

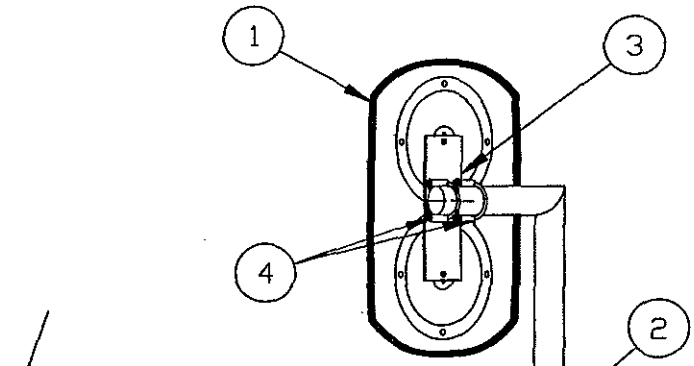
REL. CK.
ELLIS

92312

89334

E.N. NO.

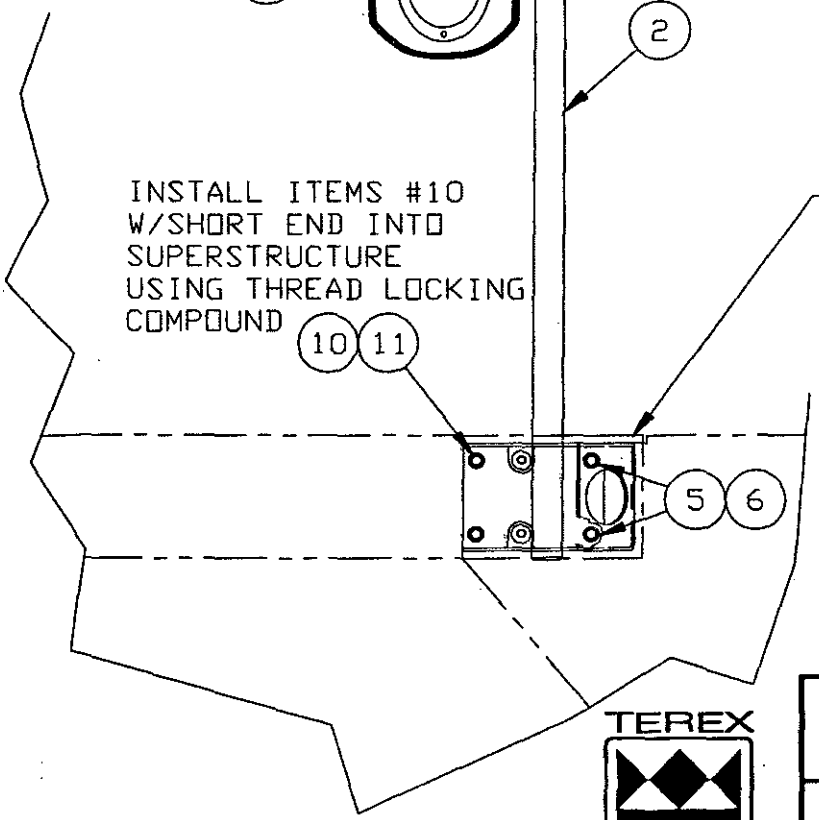




NOTE:
SEE SHT 2 FOR ASSEMBLY OF MIRROR TO BRACKET.

INSTALL ITEMS #10 W/SHORT END INTO SUPERSTRUCTURE USING THREAD LOCKING COMPOUND

FRONT RIGHT CORNER OF SUPERSTRUCTURE



TEREX MINING

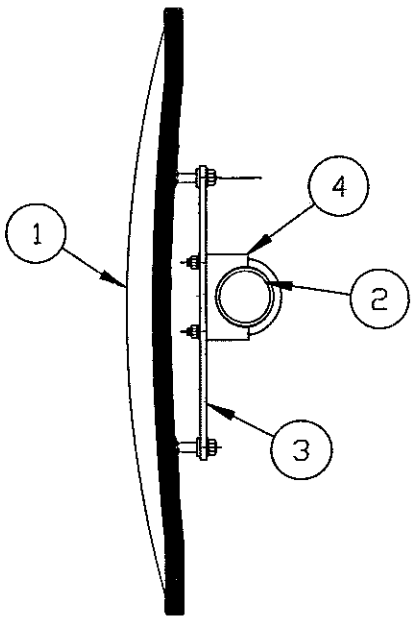
MIRROR MTG ASSY, R. H.

SHEET 1 OF 2

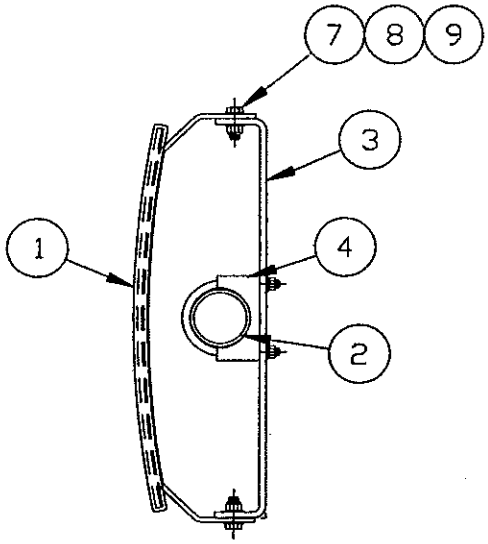
A84623

A84623

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AIVERT-TEREX



MIRRORS WITH PLASTIC FACE



MIRRORS WITH GLASS FACE

DR. T. DODEN
ENG. APP.
REL. CK.

93379
92312
89334
E.N. NO.

TEREX MINING

MIRROR MTG ASSY, H.

SHEET 2 OF 2

A84623

A84623J

ITM	QTY	UM	COMPONENT	DESCRIPTION
	1		57048	MIRROR, CONVEX 16 X 24
2	1		63677H	SUPPORT, MIRROR
3	1		83080S	BRACKET, MIRROR
4	2		1032030	CLAMP (DWG 1101553) 2-1/2 DIA
5	2		10047	CAPSCREW, HX, 5/8-11NC X 2 GR 5
6	2		10183	WASHER, LK, HELI, 5/8 X 1.079 OD
7	2		10012	CAPSCREW, HX, 3/8-16NC X 1 GR 5
8	2		17413	NUT-HEX, FLXLC 3/8-16
9	2		10164	WASHER, FL, 3/8 X 1 OD, ZP
10	2		57053	STUD, 5/8-11NC X 3" LG
11	2		16403	NUT-HEX, FLXLC 5/8-11
100 R	1		A84623	DWG ONLY, R.H. MIRROR

MT4400 W/AC S/S
16 X 24 GLASS CONVEX MIRROR

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© COPYRIGHT DATE 10/07/03

DR. T. DODEN
ENG. APP. WFR
REL. CK. MASSIE

93379
E.N. NO.

TEREX MINING

MIRROR R.H. ASSY

SHEET 1 OF 1

A84623J

BI115389

A84735

ALVERT-TEREX

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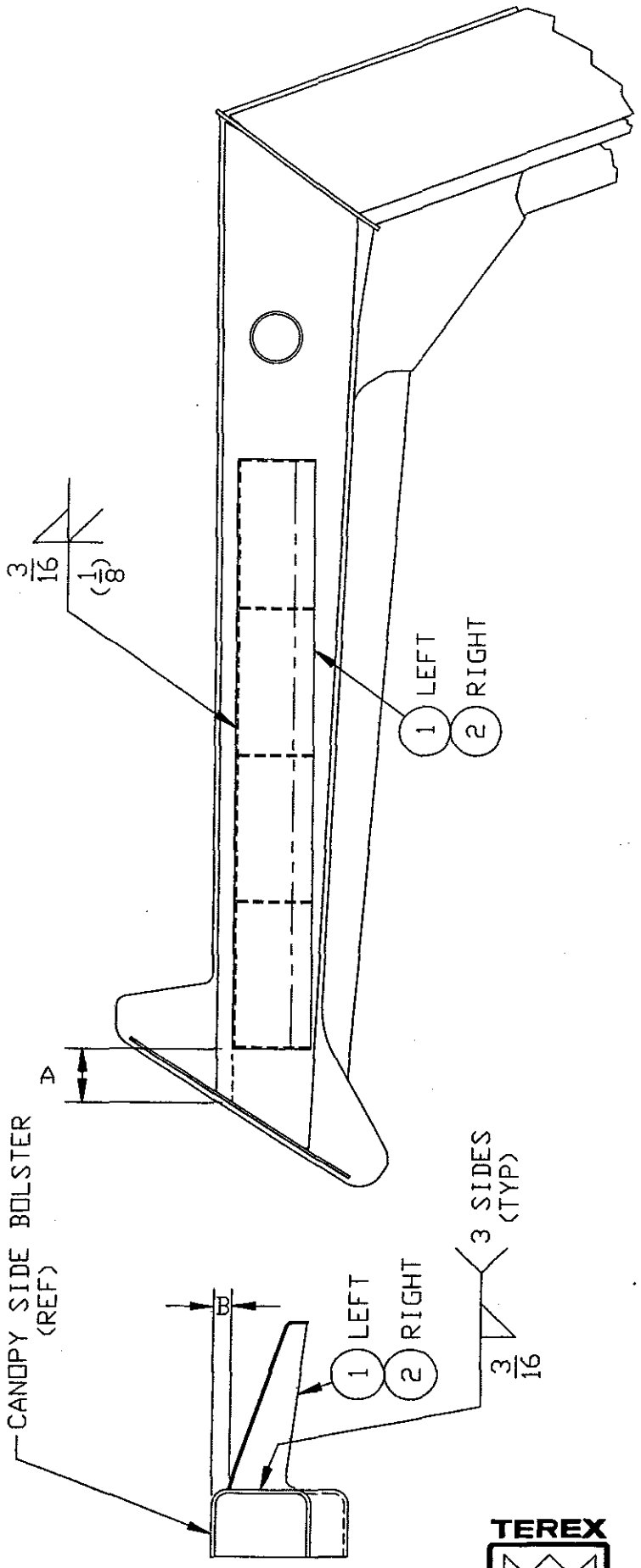
DR. FUJAN

ENG. APP. GREENE

REL. CK. ELLIS

89601

E.N. NO.



LEFT SIDE OF CANOPY SHOWN

FOR GENERAL USE

TEREX UNIT RIG

ROCK DEFLECTOR INSTALLATION

SHEET 1 OF 1

A84735

A84735F

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		A84734A	ROCK DEFLECTOR 8" WIDE X 72" LONG.
2	1		A84734A	ROCK DEFLECTOR 8" WIDE X 72" LONG.
98 R	1		A84735	DWG ONLY, ROCK DEFLECTOR ASSY
99 R	1		N84735F	DRAWINGS NOTES

A = 38.5", B = 1.5"
"A" IS MEASURED FROM FRONT OF CANOPY SIDE BOLSTER.

8" WIDE X 72" LONG
DEFL. BOTH SIDES.
FOR EXTENDED LENGTH
CANOPY.

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AMERT-TEREX

DR. Robinson
ENG. APP. FUJAN
REL. CK. ELLIS

93503
E.N. NO.

TEREX MINING™

ROCK DEFLECTOR ASSY

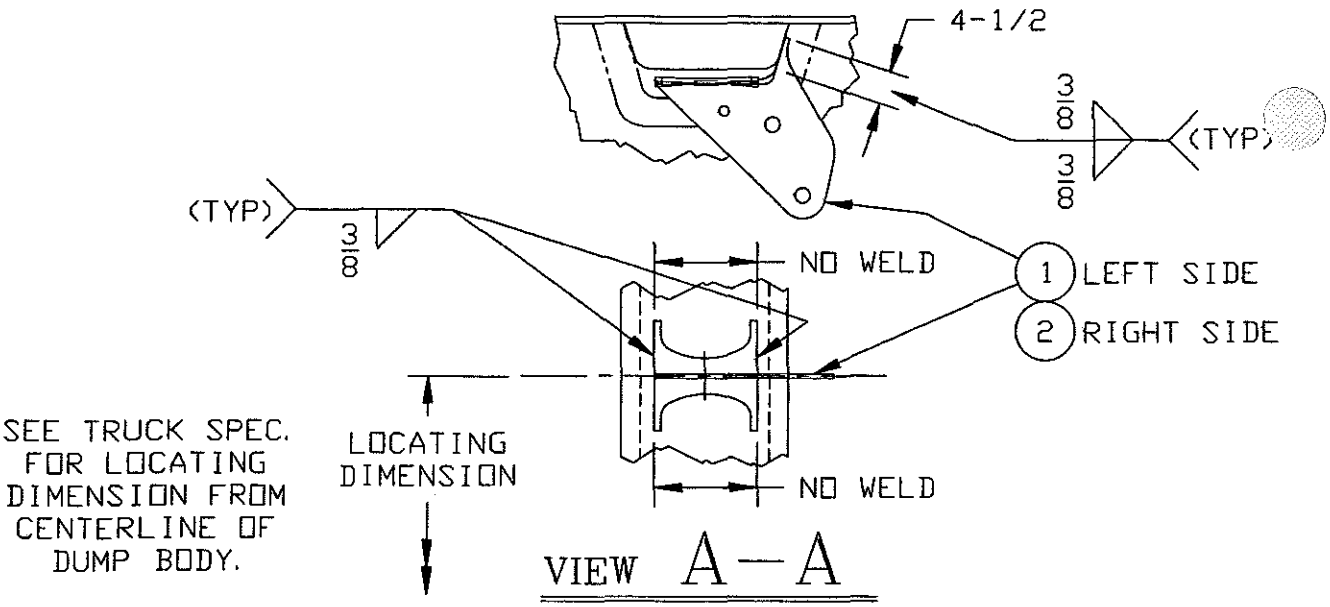
SHEET 1 OF 1

A84735F

A85589

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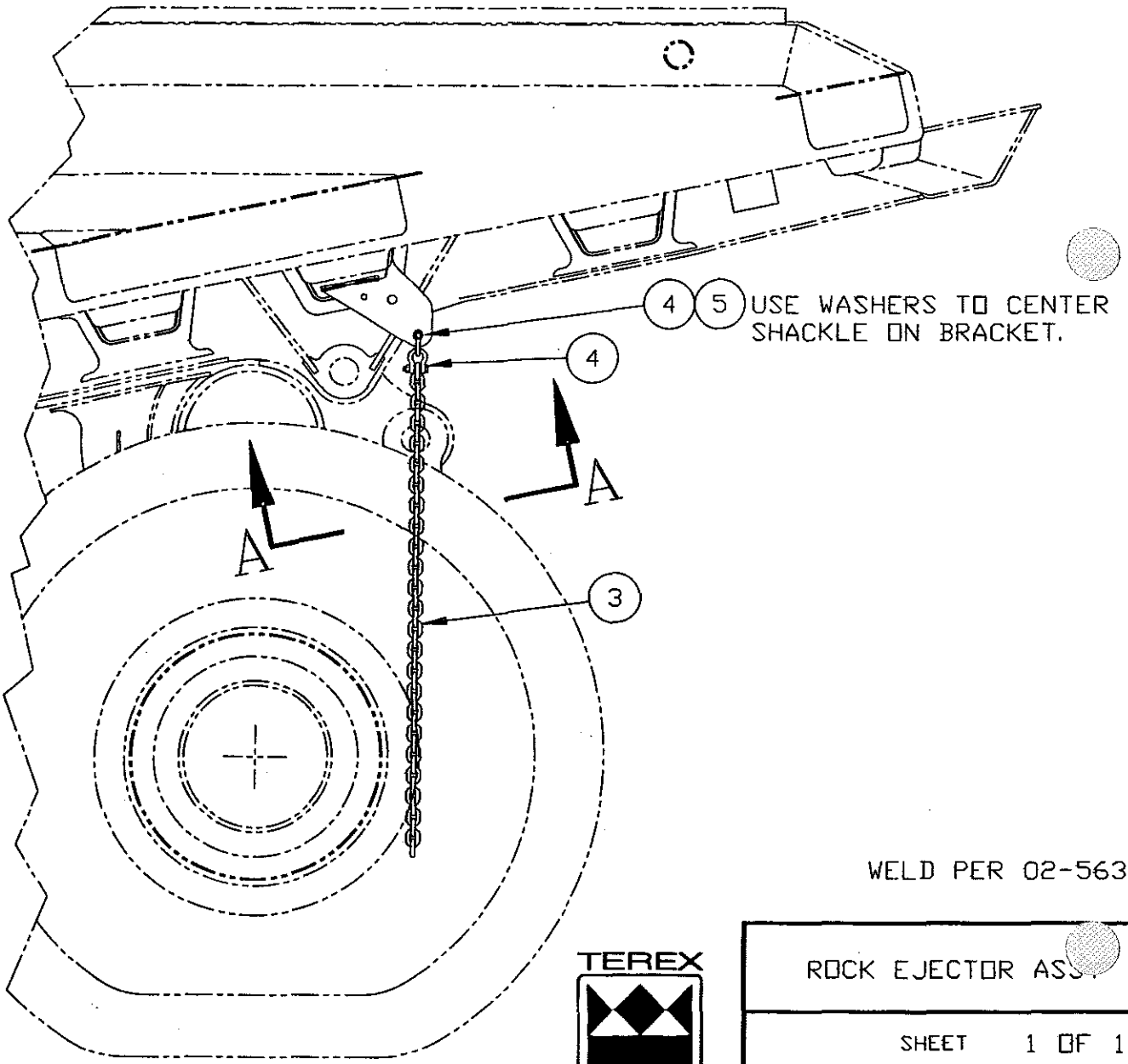
ALVERT-TEREX



SEE TRUCK SPEC. FOR LOCATING DIMENSION FROM CENTERLINE OF DUMP BODY.

LOCATING DIMENSION

VIEW A—A



WELD PER 02-563

DR. FUJAN	
ENG. APP. ROBINSON	
REL. CK. ELLIS	
94414	
92106	
E.N. NO.	

TEREX MINING

ROCK EJECTOR ASS'Y

SHEET 1 OF 1

A85589

A85589C

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		74245T	BRACKET, RCK EJCTR LH
2	1		74245U	BRACKET, RCK EJCTR RH
3	2		56697-110	CHAIN, 3/4" (CUT TO LENGTH)
4	4		56620	SHACKLE, 3/4" BOLT TYPE ANCHOR
5	8		10170	WASHER, FL, 7/8 X 2.250 OD
99 R	1		A85589	DWG ONLY, ROCK EJECTOR ASSY

MT4400 CHAIN TYPE

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DR. HAUSER
ENG. APP. FUJAN
REL. CK. ELLIS

94414
92712
E.N. NO.

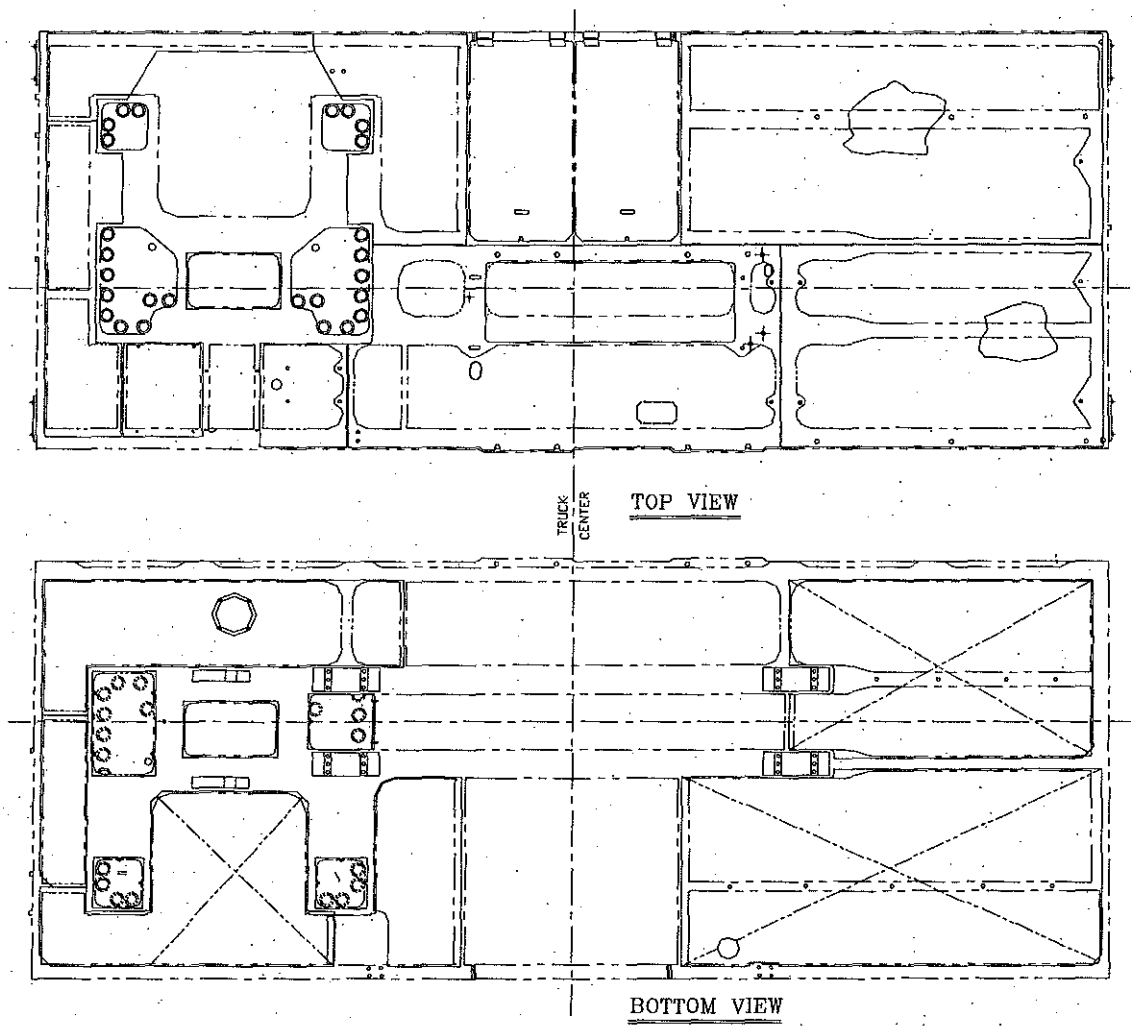
TEREX MINING™

ROCK EJECTOR ASSY (MH)

SHEET 1 OF 1

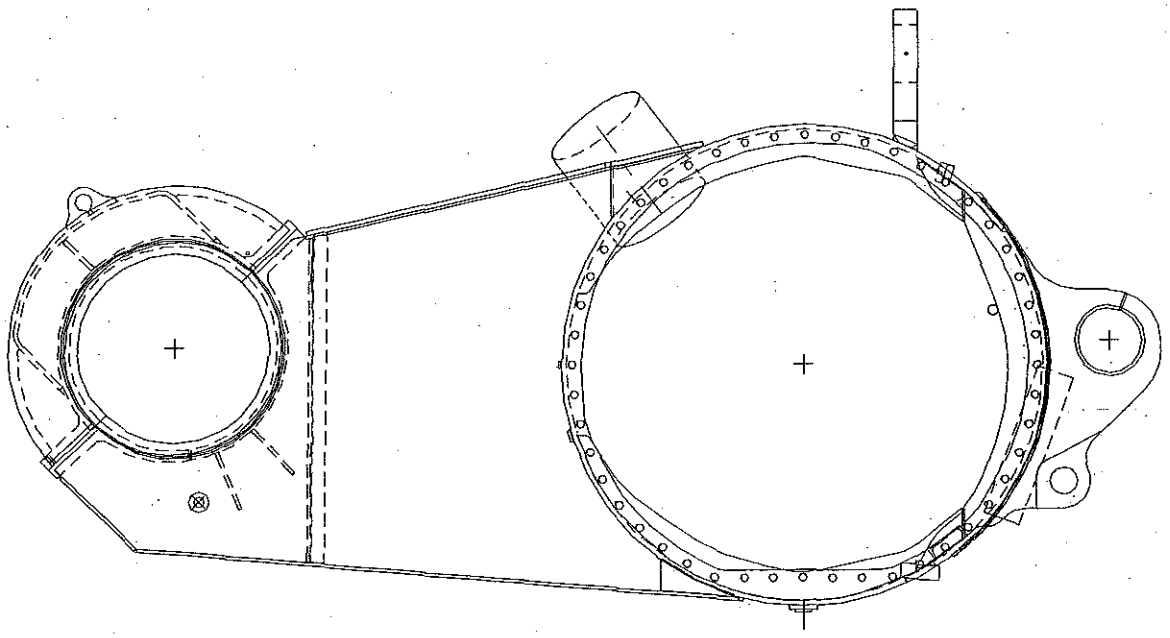
A85589C

Assembly **A85861A, SUPERSTRUCTURE FLR PLTS & BKTS,** contains proprietary information. If more information is necessary, please contact your Terex representative.



TEREX | UNIT RIG ENGINEERING	SUPERSTRUCTURE FLR PLTS & BKTS	A85861A	
		E.N. 95046	SHEET 1 OF 1

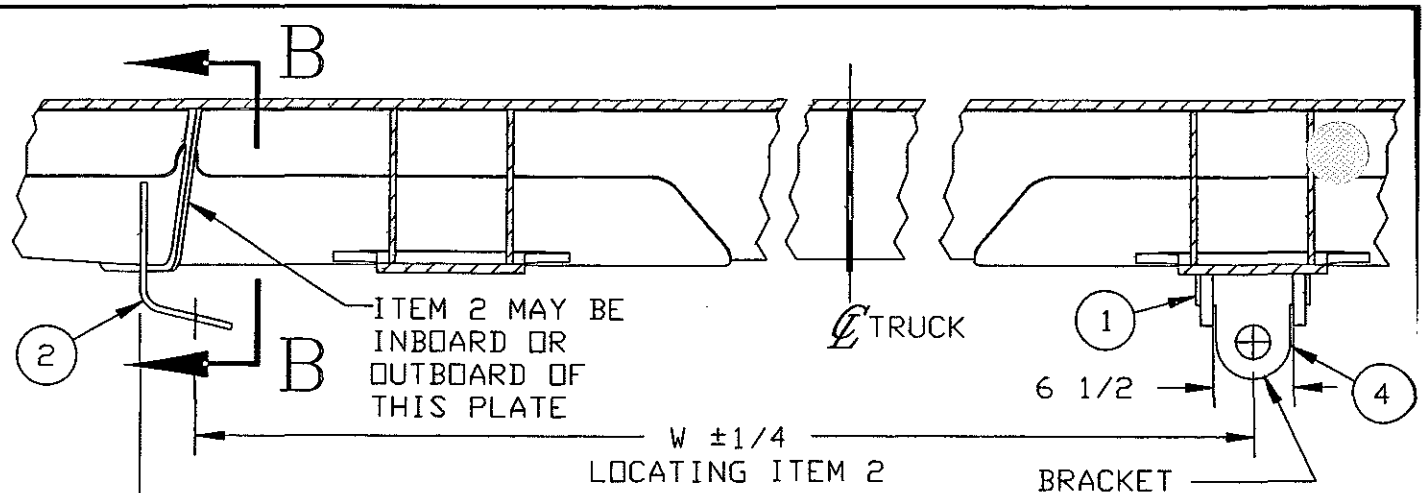
Assembly **A85890A, AXLE BOX - MACHINED** contains proprietary information.
If more information is necessary please contact your Terex Mining/Unit Rig representative.



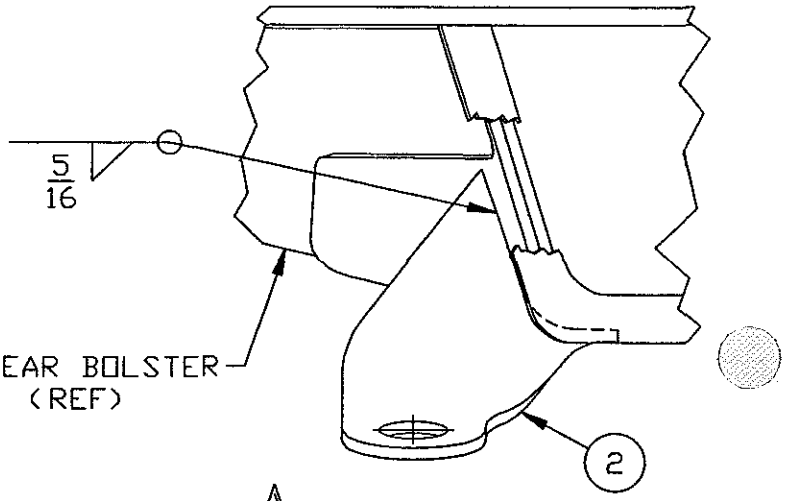
UNIT RIG TM UNIT RIG TEREX MINING ENGINEERING	AXLE BOX - MACHINED	A85890A	
		E.N. 92868	SHEET 1 OF 1

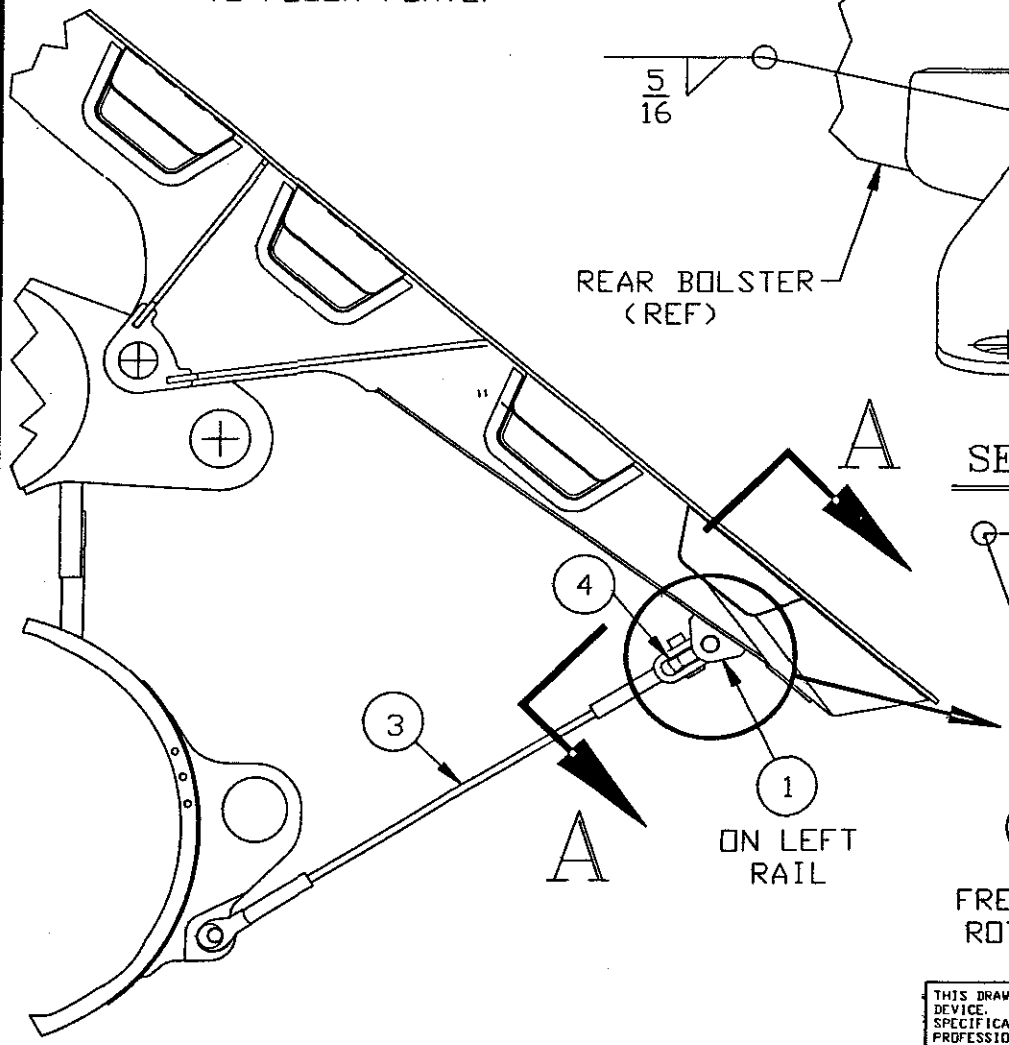
A85898

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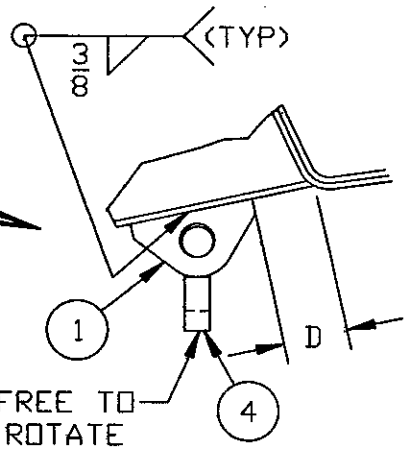


SEC A–A





SEC B–B



NOTES:
1. WELD PER 02-563.
2. CONSUMABLES MUST BE PER 02-042.
3. ALL WELDS MUST BE MADE BY QUALIFIED WELDERS WITH PERSONAL ID STAMPED NEAR EACH WELD.

TEREX MINING™

THIS DRAWING SPECIFIES PART OF A PERSONNEL PROTECTION DEVICE. ANY CHANGES, REPAIRS, OR DEVIATIONS FROM THIS SPECIFICATION MUST HAVE PRIOR APPROVAL OF A REGISTERED PROFESSIONAL ENGINEER AND UNIT RIG ENGINEERING.

DUMP BODY LOCK-UP ASSY

SHEET 1 OF 1

A85898

DR. HAUSER
ENG. APP. FUJAN
REL. CK. ELLIS

92642
E.N. NO.

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	2		85888A	PLATE-HINGE
2	1		84065G	BRACKET-CABLE STOW
3	1		55088	CABLE-BODY LOCKUP, 86-1/4 LONG
4	1		83044M	BRACKET-CABLE
99 R	1		A85898	DWG ONLY, DUMP BODY LOCKUP ASSY
100 R	1		N85898G	ASSY NOTES-NO DRAWING

D=13-7/8
W=83-3/8

MT4400 A/C WITH 330" FLOOR.
RAISED TO 43 DEGREES.

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A85898G

DR. BORTHICK
ENG. APP. FUJAN
REL. CK. ELLIS

92699
E.N. NO.

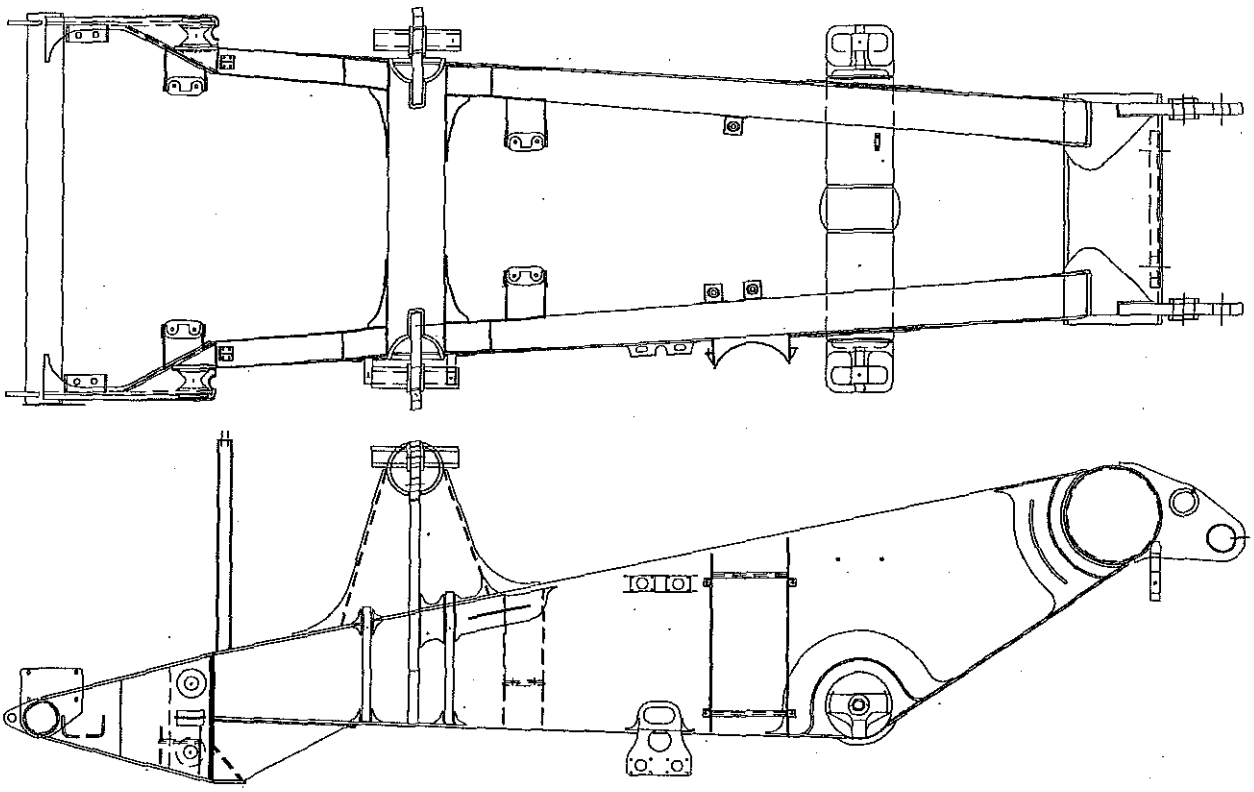
TEREX MINING

DUMP BODY LOCKUP ASSY

SHEET 1 OF 1

A85898G

ASSEMBLY A85905A, FRAME BRACKET ASSEMBLY
(R.O.P.S.) contains proprietary information.
If more information is necessary please contract your
Terex Mining / Unit Rig representative.



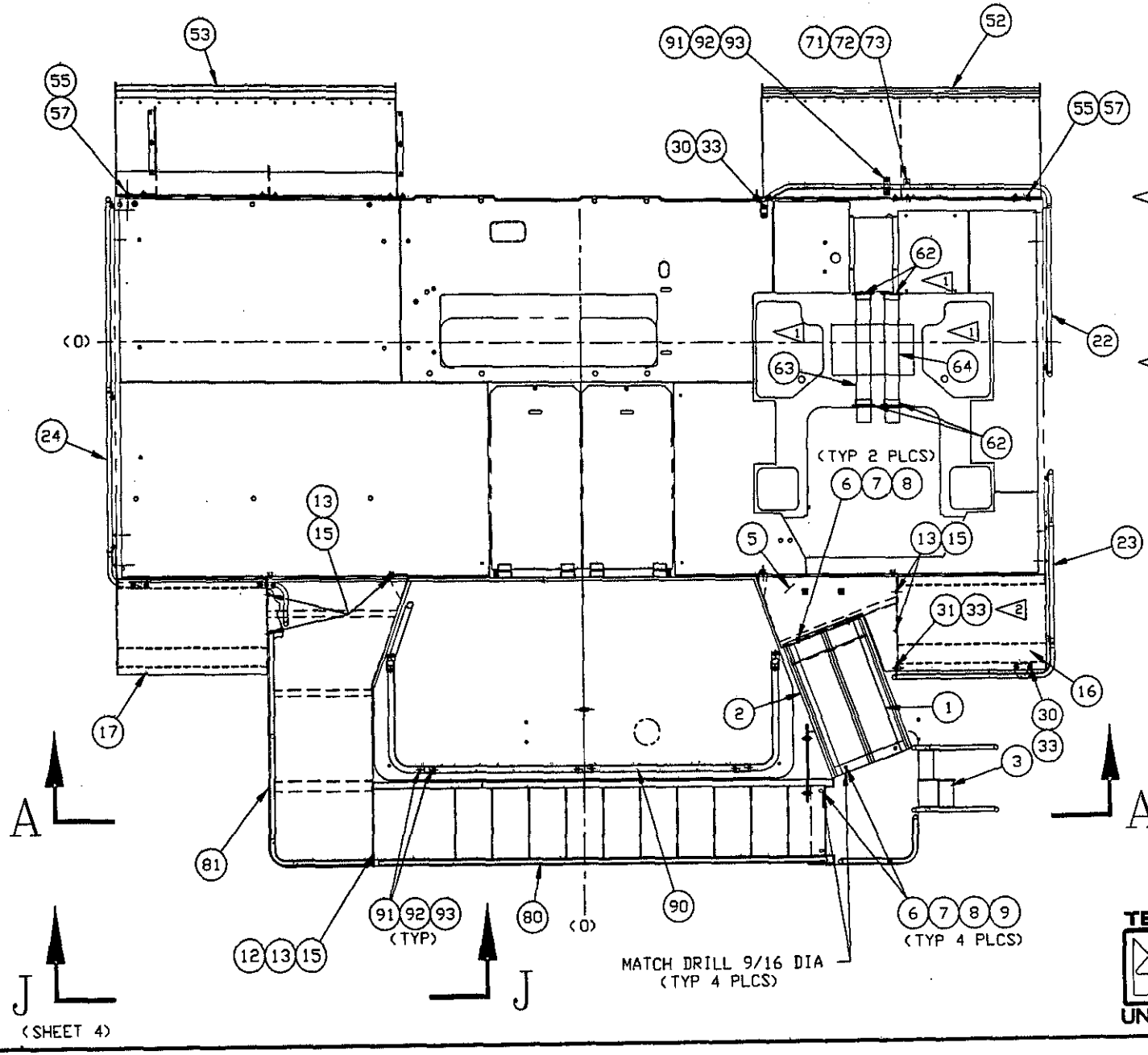
UNIT RIG TM	UNIT RIG TEREX MINING ENGINEERING	FRAME BRACKETS ASSEMBLY (R.O.P.S.)	A85905A E.N. 94454 | SHEET 1 OF 1

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A86175

DR. DODEN
ENG. APP.
REL. DR. ELLIS

94052
93855
93671
93428
E.N. NO.



1 INSTALL ITEMS 62, 63 & 64 FROM FRONT SIDE OF PLATFORM. USE 'PVC' CEMENT TO SECURE PARTS TOGETHER. BE SURE PIPE END AND FACE OF FLANGE DO NOT EXCEED VERTICAL PLANE OF PLATFORM - EXCESS LENGTH FOREWARD ONLY.

2 USE ITEMS #33 AS SHIMS BETWEEN ITEMS 16 & 23 AS REQUIRED AT THIS LOCATION.

TEREX UNIT RIG

LADDER & RAILINGS

SHEET 1 OF 4

A86175

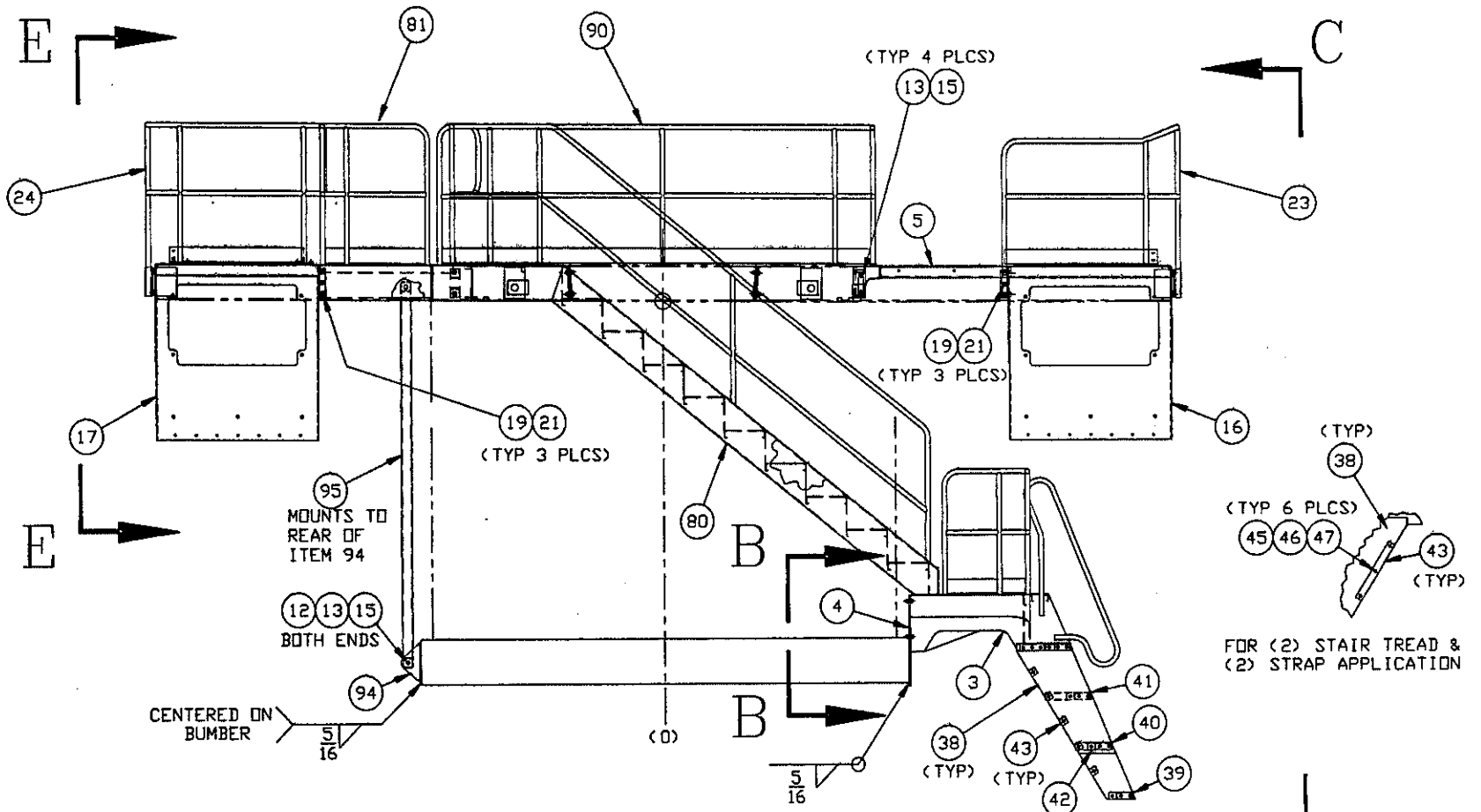
BI115389

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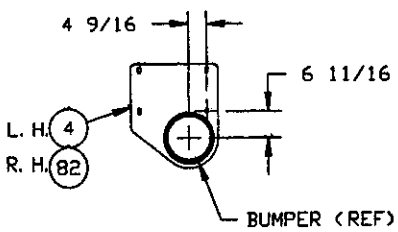
A86175

DRN.	DODEN
ENG. APP.	
REL. CK.	

E.N. NO.	
94052	
93855	
93671	
93428	



VIEW A–A



SEC B–B

TEREX
UNIT RIG
SIZE P

LADDER & RAILINGS

SHEET 2 OF 4

A86175

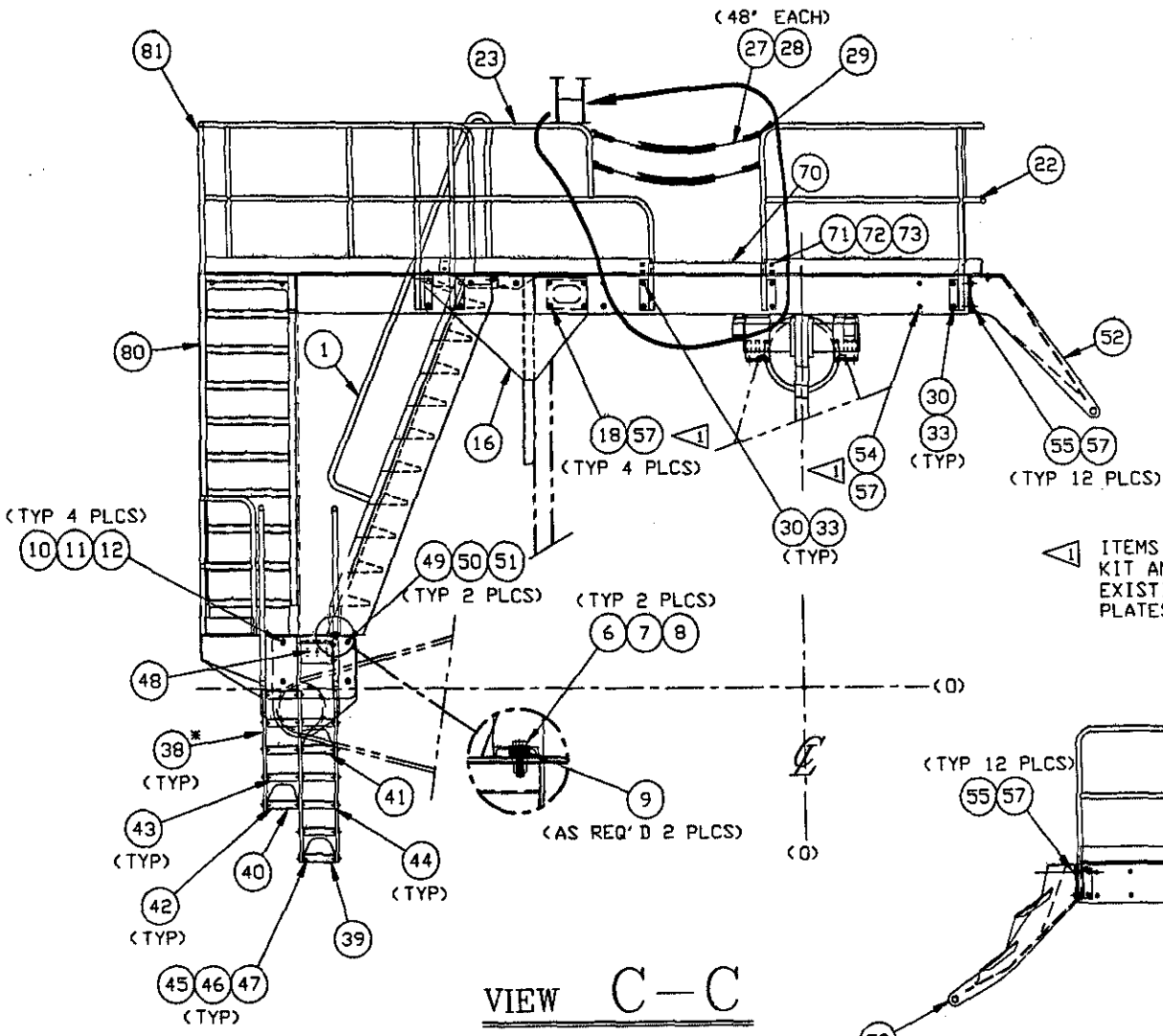
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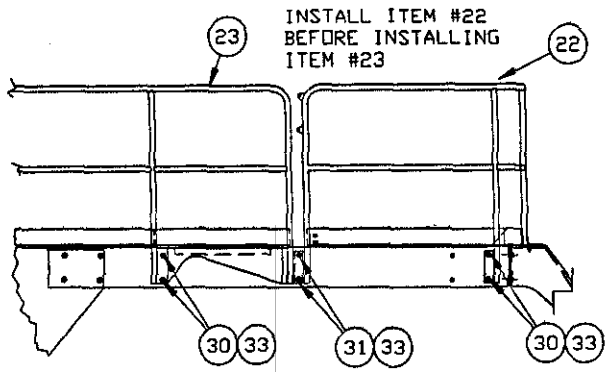
A86175

DRN. DODEN
ENG. APP.
REL. DR.

94052
93855
93671
93428
E.N. NO.



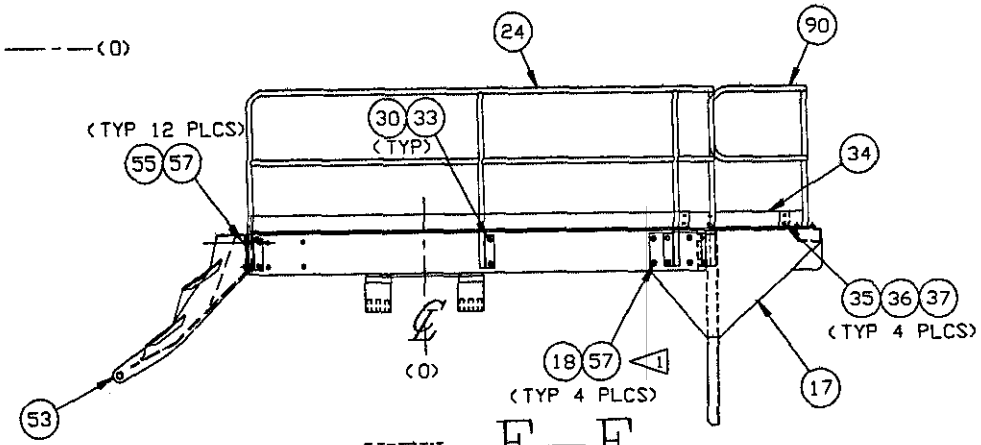
VIEW C—C



VIEW H

(OPTIONAL CONTINUOUS SIDE RAIL)

1 ITEMS INDICATED ARE CONTAINED IN SHIP KIT AND SHOULD BE USED TO REPLACE THE EXISTING LIFT PLATE HARDWARE, IF LIFT PLATES ARE REMOVED, AT FIELD ERECTION.



VIEW E—E

* NOTE - CUT EXCESS STRAP (ITEM 38) APPROX 1' BELOW STEP (ITEM 40)

TEREX UNIT RIG

LADDER & RAILINGS

SHEET 3 OF 4

A86175

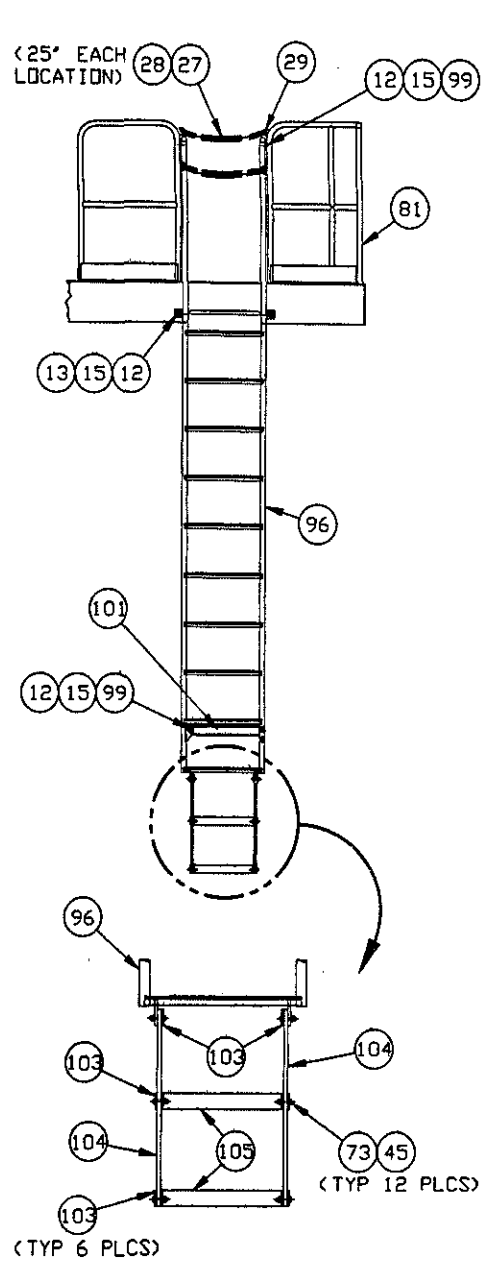
BI115389

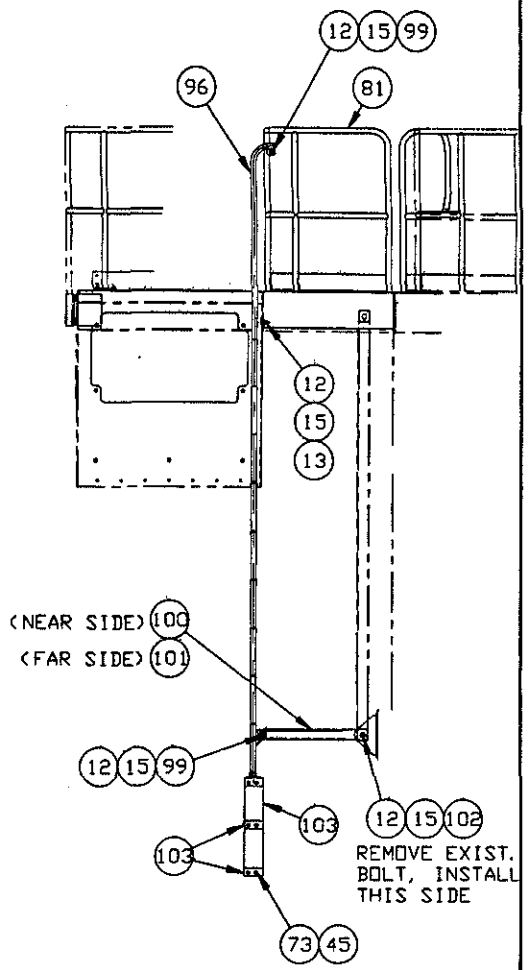
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A86175

DRAWN BY: DODEN
ENG. APP.
REL. DR.

A	
94052	
93855	
93671	
93428	
E.N. NO.	





VIEW J—J

VIEW AT EMERGENCY LADDER

TEREX
UNIT RIG
SIZE F

LADDER & RAILINGS

SHEET 4 OF 4

A86175

BI115389

A86175F

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		80606R	LADDER, FULL WIDTH RUNGS
3	1		85259G	PLATFORM-LADDER
4 R	1		83122H	PLATE-PLATFORM MTG
5	1		83496U	BRACKET, LAPEYRE MTG
6	6		10029	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 5
7	6		24777	WSHR, FL, HARDND, 1/2 X 1.375 OD
8	6		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
9	10		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
10	4		10047	CAPSCR, HX, 5/8-11NC X 2 GR 5
11	8		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
12	15		1032488	NUT, LOCK, 5/8-11UNC GR5 2B THD ZP
13	14		10044	CAPSCR, HX, 5/8-11NC X 1-1/4 GR 5
15	30		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
16	1		84195A	MOUNT-AIR CLEANER LH . PROVIDES MOUNTING FOR DONALDSON SRG29 AIR CLEANER & FRONT MUD FLAP -- WALKWAY TOP & ROCK GUARD INCL.
17	1		84195B	MOUNT-AIR CLEANER RH PROVIDES MOUNTING FOR DONALDSON SRG29 AIR CLEANER & FRONT MUD FLAP -- WALKWAY TOP & ROCK GUARD INCL.
18	8		27139	CAPSCR, HX, 5/8-11NC X 1-3/4 GR 8
19	6		10044	CAPSCR, HX, 5/8-11NC X 1-1/4 GR 5
21	6		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
22	1		85357K	HANDRAIL, CAB REAR FOR USE W/IGBT CONTORLS
23	1		85358M	HANDRAIL, CAB FRONT
24	1		85359J	HANDRAIL, SIDE RIGHT
27	146	IN	14243	CHAIN BULK 1/4 BBB
28	146	IN	21495	SLEEVE BULK HT SHRINK 1-1/2" TO 3/4"
29	4		29379	SHACKLE, ROUND PIN CHAIN
30	18		10044	CAPSCR, HX, 5/8-11NC X 1-1/4 GR 5

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DR. DODEN
ENG. APP. WOOD
REL. CK. DORROUGH

95630
E.N. NO.

TEREX
UNIT RIG

LADDER & RAILINGS ASSY.

A86175F

A86175F

ITM	QTY	UM	COMPONENT	DESCRIPTION
31	2		10045	CAPSCR, HX, 5/8-11NC X 1-1/2 GR 5
33	24		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
38	2		83123H	STRAP, LADDER
39	3		83615A	TREAD, STAIR
42	10		83129A	CAP, FLEXIBLE LADDER
43	4		83129F	CAP, FLEXIBLE LADDER
45	30		10015	CAPSCR, HX, 3/8-16NC X 1-3/4 GR 5
45	12		10015	CAPSCR, HX, 3/8-16NC X 1-3/4 GR 5
46	30		10164	WASHER, FL, 3/8 X 1 OD, ZP
47	30		17413	NUT-HEX, FLXLC 3/8-16
48	1		83798A	BRACKET, SWITCH MTG
49	2		10013	CAPSCR, HX, 3/8-16NC X 1-1/4 GR 5
50	2		10164	WASHER, FL, 3/8 X 1 OD, ZP
51	2		17413	NUT-HEX, FLXLC 3/8-16
52	1		86241A	SUPPORT, SILENCER/MUDFLAP PROVIDES SUPPORT FOR ALTERNATOR INLET SILENCER FOR IGBT UNITS
53	1		80571W	SUPPORT, MFLRS/MDFLP
54	4		10044	CAPSCR, HX, 5/8-11NC X 1-1/4 GR 5
55	24		52127	CAPSCR, HX, 5/8-11NC X 1-1/2 GR 8
57	16		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
57	24		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
62	4		55621	FLANGE-PIPE, 4" (PVC)
63	40	IN	55622	PIPE, 4" SCH 40 (PVC)
64	40	IN	55622	PIPE, 4" SCH 40 (PVC)
65	1		53452	ADHESIVE-PVC CONDUIT
70	1		85574E	TOEBOARD, DRIVER'S DOOR
71	4		10014	CAPSCR, HX, 3/8-16NC X 1-1/2 GR 5
72	8		10164	WASHER, FL, 3/8 X 1 OD, ZP
73	4		17413	NUT-HEX, FLXLC 3/8-16
73	12		17413	NUT-HEX, FLXLC 3/8-16
80	1		85258C	LADDER-DIAGONAL
81	1		85257E	PLATFORM-STAIR
90	1		85379C	HANDRAIL-HOOD
91	12		10047	CAPSCR, HX, 5/8-11NC X 2 GR 5
92	12		16403	NUT-HEX, FLXLC 5/8-11
93	24		913240	WASHER, HARDND & GND-5/8 X 1.312 OD

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ENG. APP.
REL. CK.

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E.N. NO.

TEREX
UNIT RIG

LADDER & RAILINGS ASSY.

A86175F

A86175F

ITM	QTY	UM	COMPONENT	DESCRIPTION
94	1		85260A	MOUNT-PLATFORM
95	1		85262A	SUPPORT-PLATFORM
96	1		86283A	LADDER, EMERGENCY ACCESS
99	4		10046	CAPSCR, HX, 5/8-11NC X 1-3/4 GR 5
100	1		86288A	BRACKET, EMERGENCY LADDER
101	1		86288B	BRACKET, EMERGENCY LADDER
102	1		10048	CAPSCR, HX, 5/8-11NC X 2-1/4 GR 5
103	6		80593C	END CAP-LADDER
104	2		80589W	STRAP-LADDER
105	2		80591B	STAIRSTEP-LADDER
150 R	1		A86175	DWG ONLY, LADDER/RAILS

MT4400AC(IGBT) SINGLE L.H. RUNG LADDER & DIAGONAL STAIR ACROSS FRONT. TOEBOARD MOUNT CLEARANCE LIGHTS. ESCAPE LADDER OFF UPPER LADDER PLATFORM.

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ENG. APP.
REL. CK.

95630
E.N. NO.

TEREX
UNIT RIG

LADDER & RAILINGS ASSY.

SHEET 3 OF 3

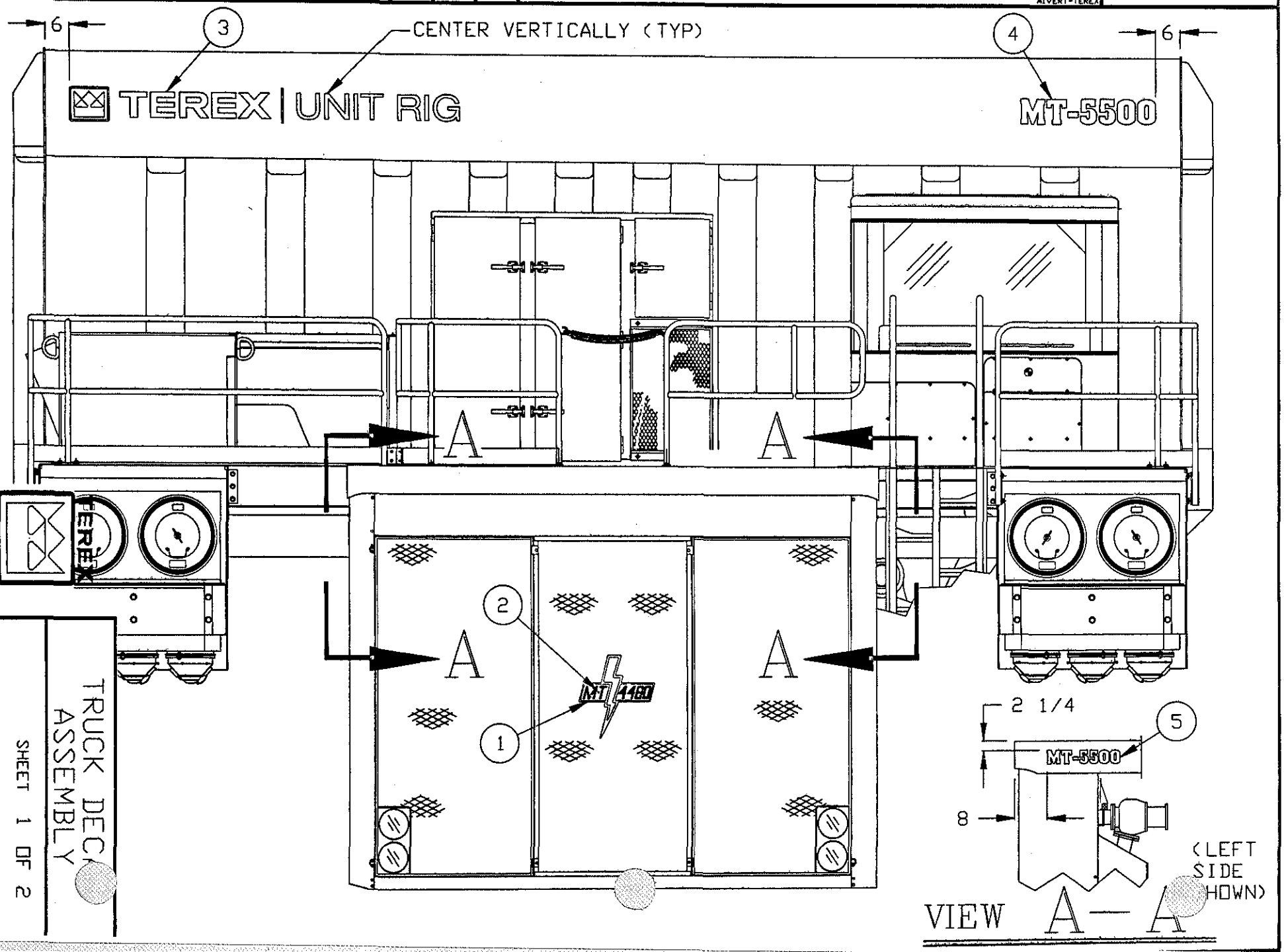
A86175F

E.N. NO.	DR.	ENG. APP.	REL. CK.
93545	Robinson	FUJAN	ELLIS
94336			

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A86197



TRUCK DECK ASSEMBLY

SHEET 1 OF 2

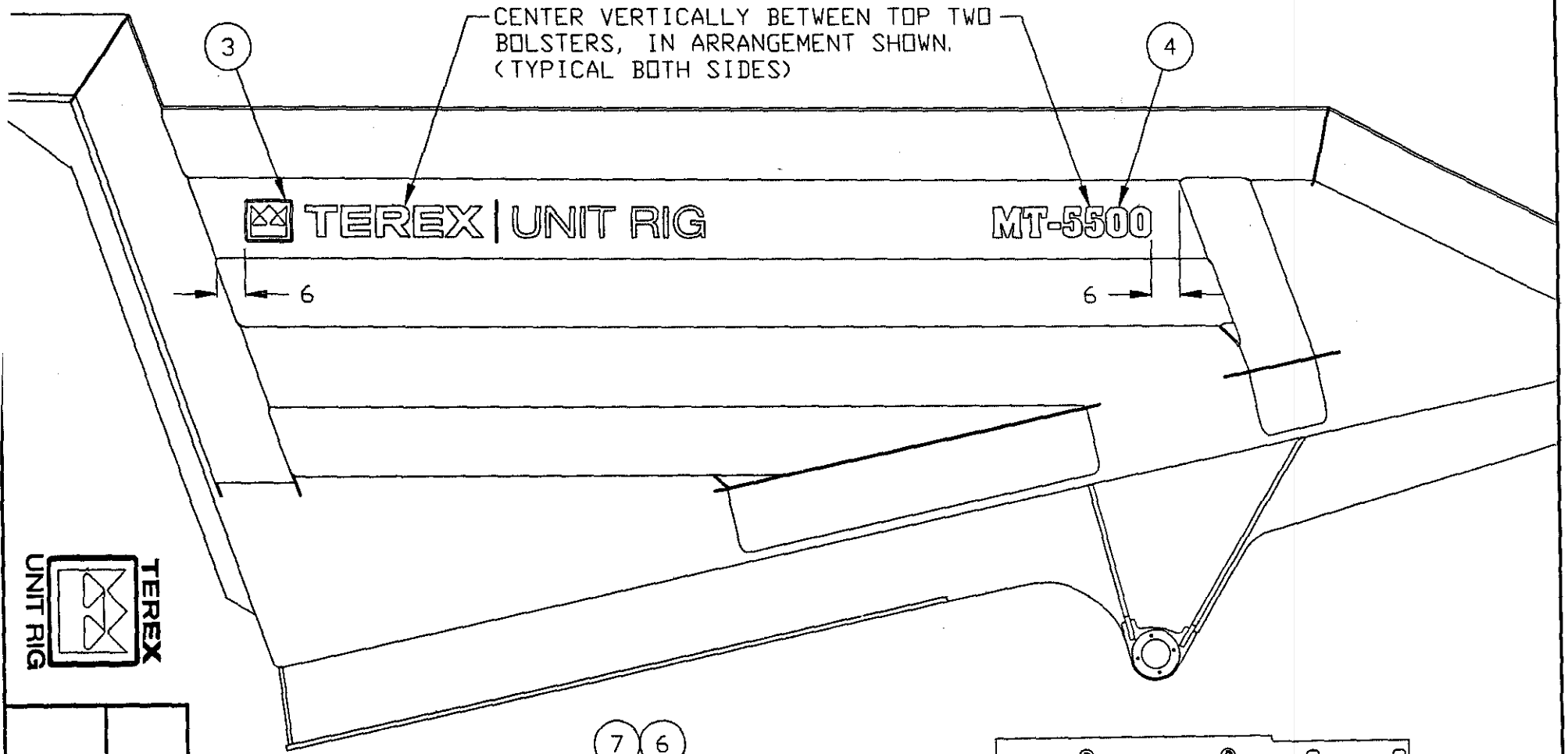
A86197

BI115389

E.N. NO.	DR.	REL. CK.	ENG. APP.
93545	Robinson	FUJAN	ELLIS
94336			

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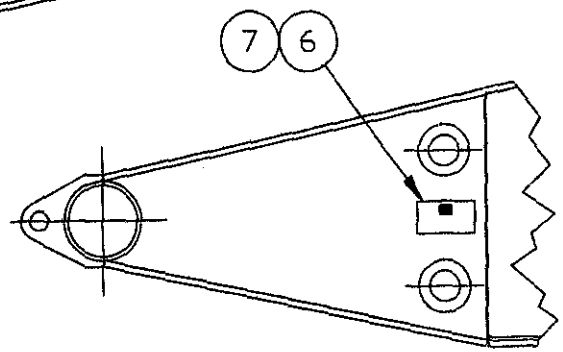


TEREX UNIT RIG

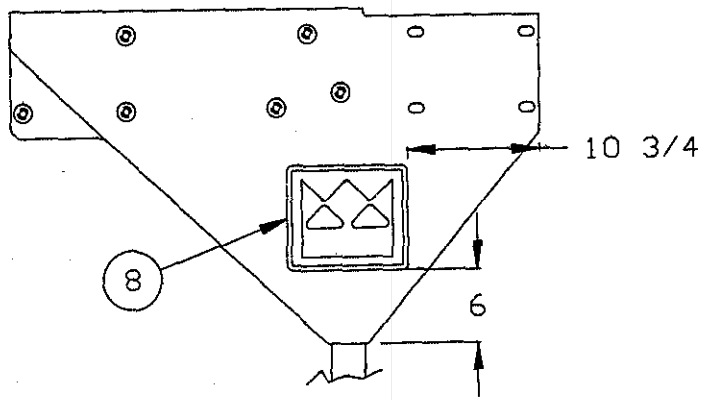
TRUCK DECAL ASSEMBLY

SHEET 2 OF 2

A86197



OUTSIDE LEFT FRONT OF FRAME



SIDE OF AIR CLEANER BRACKETS

BI115389

A86197B

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		81051H	NAMEPLATE, MT4400
2	2		26123	SCR, MACH, PNH 3/8-16NC X 7/8 GR 2, BLK CR
3	3		83050H	DECAL-TEREX/UNIT RIG LOGO
4	3		84944N	DECAL-MT4400AC, 6 1/4"
5	2		84944P	DECAL-MT4400AC, 3 3/8"
6	1		67820G	NAMEPLATE-SERIAL/MOD. GVW FROM APPL. ENG. SERIAL/MODEL FROM TRUCK SPECS
7	4		17758	SCR, MACH, FH 5/16-18NC X 1/2 GR 2
8	2		83050J	DECAL-TEREX LOGO
10	1		A86197	DWG ONLY, DECAL ASSY

MT4400AC WITH TEREX/UNIT RIG DECALS.

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DR. CLEMENT
ENG. APP. DODEN
REL. CK. ELLIS

94336
93706
E.N. NO.

TEREX
UNIT RIG

TRUCK DECAL ASSEMBLY

SHEET 1 OF 1

A86197B

SECTION 3 - ELECTRICAL

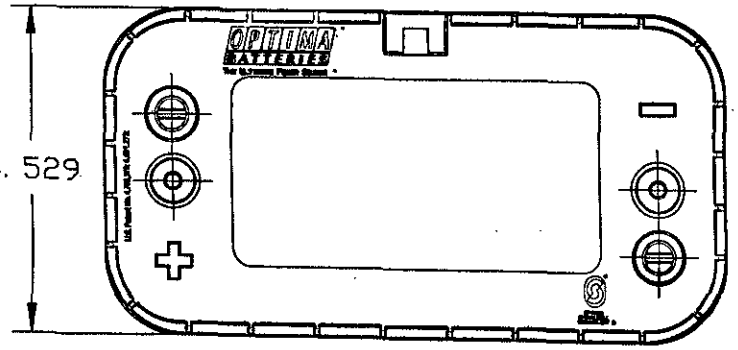
DESCRIPTION	ASSEMBLY
24 Volt Electrical Assembly	A86323A
Battery Box Mounting	A84245A
Battery-Optima	56971
Box Mounting, Battery	A84245A
Cable Assembly, Ground	A86225A
Clearance, Head, Tail Light Assembly	A85283B
Control/Power Group	85789G
D.I.D. Assembly	A85476A
Dump Body Up Assembly	86308G
Electric Horn Assembly, Reverse Warning	80943M
Electrical Assembly, 24 Volt	A86323A
Emer Engine Kill Relay Assy	81350X
Excitation and Power Assembly	A86323A
Grid Group, Retarding	85790B
Ground Cable Assembly	A86225A
Head, Tail, Clearance Light Assembly	A85283B
Horn Assembly, Electric - Reverse Warning	80943M
Light Assembly - Head, Tail, Clearance	A85283B
Light Assy, Clearance	85983B
Light Assy, Windrow	84506E
Power and Excitation Assembly	A86226A
Power/Control Group	85789G
Retarding Grid Group	85790B
Reverse Warning Electric Horn Assembly	80943M
Software, WAC CFG	A86828T
Software, WPTU Toolbox	86773A
Tail, Head, Clearance Light Assembly	A85283B
Up Assembly, Dump Body	86308G
WAC CFG Software	A86828T
WPTU Toolbox Software	86773A

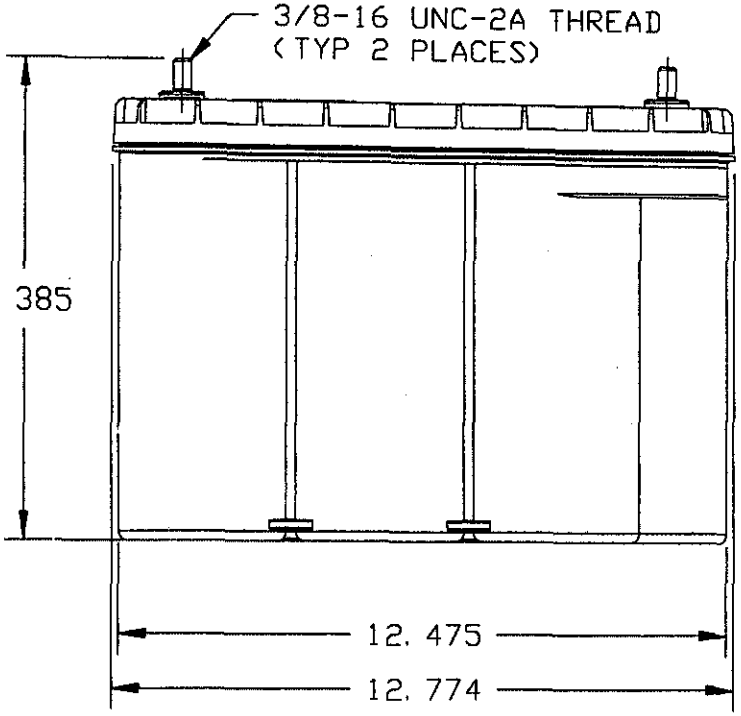
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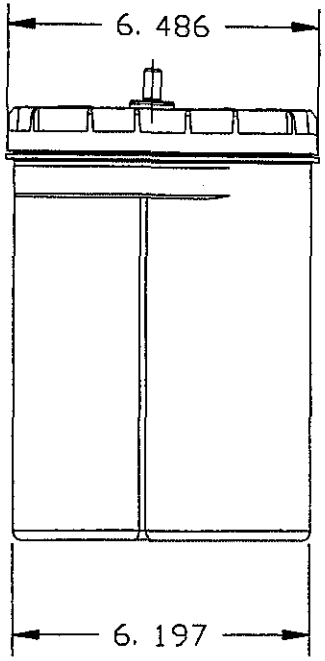
TOLERANCES: UNLESS OTHERWISE SPECIFIED

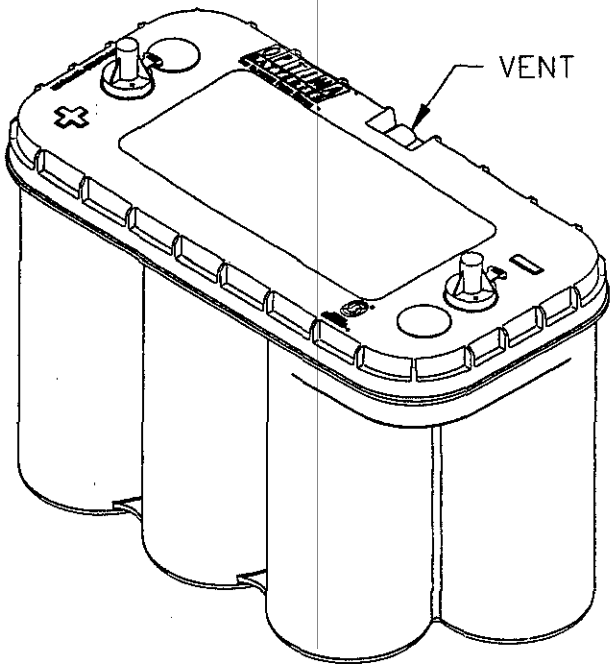
DECIMAL	FRACTIONAL	ANGULAR
.XXX ± .010	± 1/8	± 1/2°
.XX ± .03		
.X ± .1		

56971









SPECIFICATION

12 VOLT BATTERY
900 CRANKING AMPS AT 0° F
170 RESERVE CAPACITY
WEIGHT 59 LBS
AGM (ABSORBANT GLASS-MAT)

MANUFACTURING

OPTIMA BATTERIES, AURORA CO
MODEL NUMBER: D31T

DIMENSIONS ARE FOR REFERENCE ONLY

■	93081	1-03	RELEASE	MT-SERIES	

BATTERY-OPTIMA

DR SLF
ENG APP MASSIE
REL CK [illegible]

TEREX MINING™

SIZE 1

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SHEET 1 OF 1

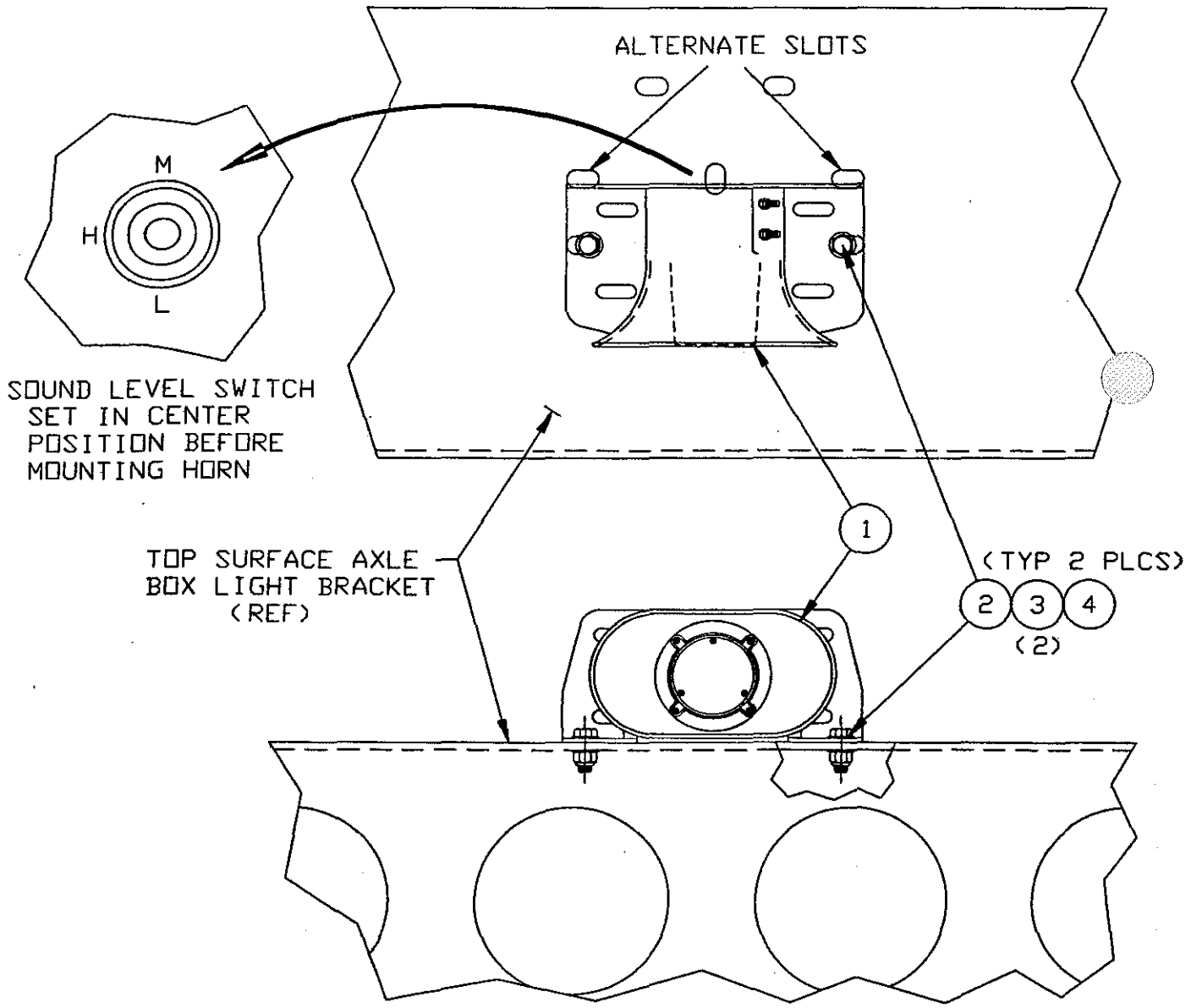
56971

BI115389

80943M

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		57200	HORN-ELECTRIC
2	2		10008	CAPSCR, HX, 5/16-18NC X 1 GR 5
3	4		10163	WASHER, FL, 5/16, ZP X .687 OD
4	2		17410	NUT-HEX, FLXLC 5/16-18 FLEXLOC 21FAF-518

ASSEMBLY NOTE:
LOCATION OF HORN (ITEM 1) MAY VARY --
USE SLOTS INDICATED FOR HORN MOUNTING
UNLESS HORN BODY OVERHANGS VERTICAL PLANE
OF LIGHT BRACKET, THEN MOVE HORN BACK
TO ALTERNATE SET OF SLOTS.



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ENG. APP. SLF
REL. CK. ELLIS

94461
E.N. NO.

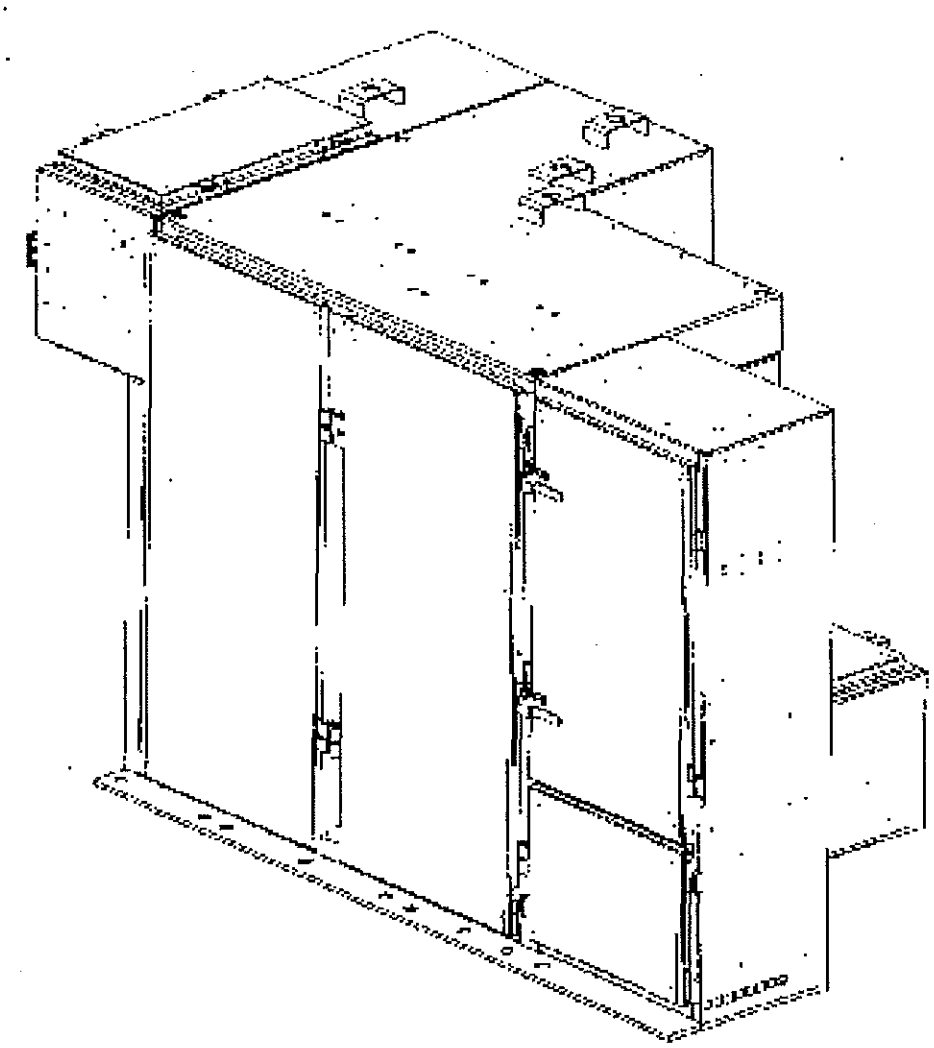
TEREX
UNIT RIG

REVERSE WARNING ELECT HORN ASSY

SHEET 1 OF 1

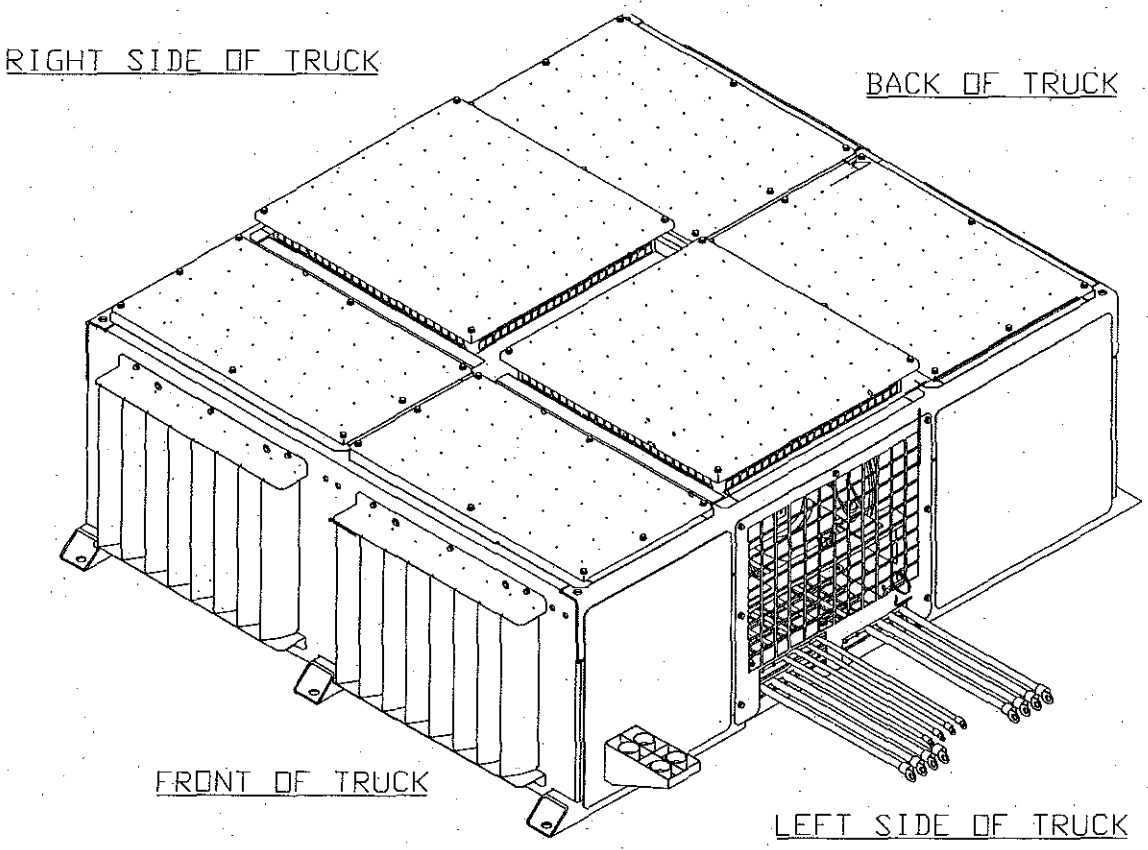
80943M

* **85789G**, CONTROL GROUP, DRIVE SYSTEM, AC INVERTER GROUP



* SEE SERVICE PART DRAWINGS

***85790B** RETARDING GRIP GROUP



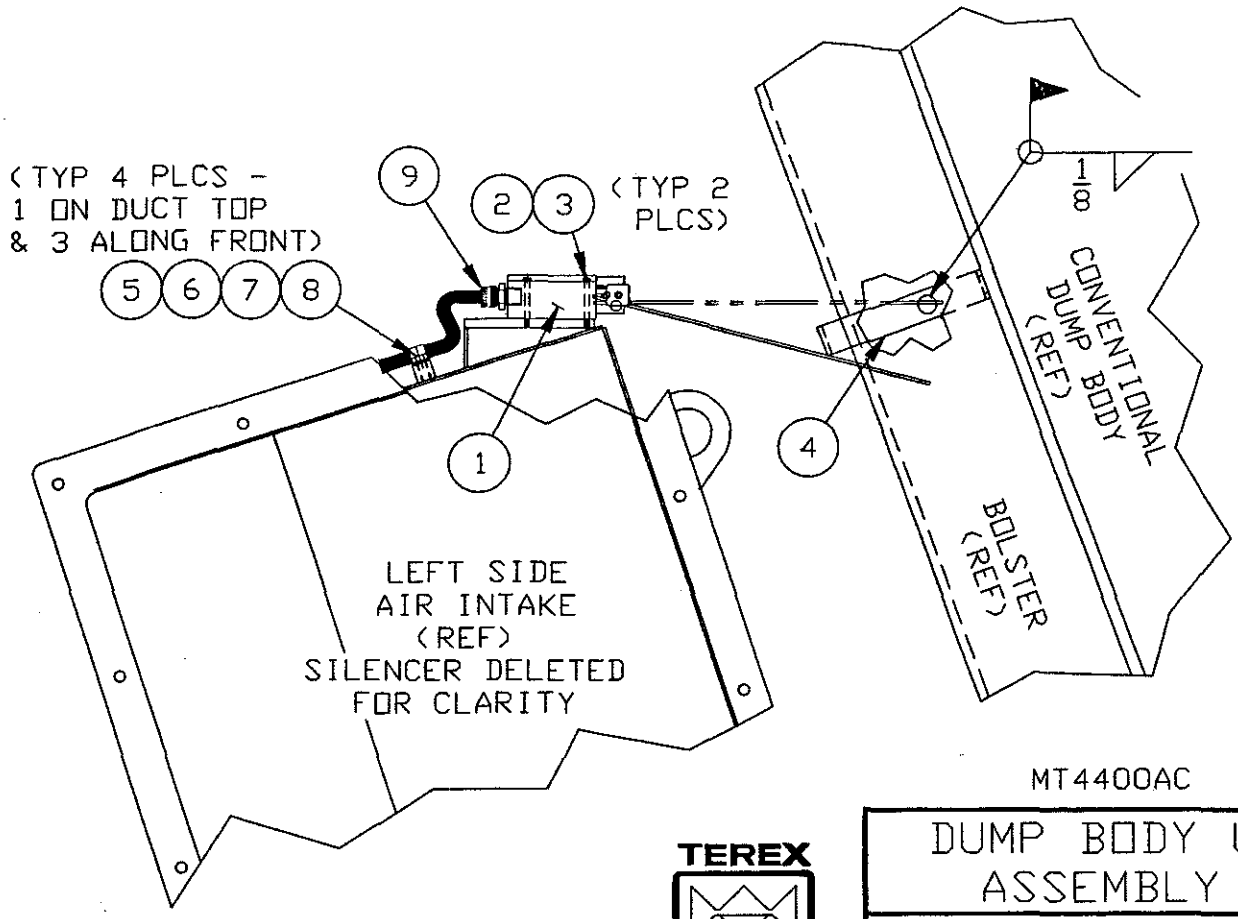
*** SEE SERVICE PART DRAWING**

UNIT RIG TM	**UNIT RIG** TEREX MINING **ENGINEERING**	RETARDING GRIP GROUP	85790B
			E.N. 93981 | SHEET 1 OF 1

86308G

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		65057C	SWITCH-WAND LIMIT
2	2		52342	SCREW-MACH, PNH, 10-32NF X 2 GR 2
3	2		28537	LOCK WASHER-HELI, #10 X .334 OD
4	1		83716B	BAR, WAND TRIP
5	4		18666	CLAMP LOOP 19/32 I.D.
6	4		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
7	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
8	4		10180	WASHER, LK, HELI, 3/8 X .683 OD
9	1		21144	GRIP, SEAL 3/4NPT 3/8 - 1/2 DIA CABLE

NOTE -
1 - WITH DUMP BODY IN DOWN POSITION, ADJUST WAND TO SLIGHTLY ROTATE THE SWITCH MECHANISM PAST THE TRIPPED POSITION. RECLOCK WAND MOUNTING HEAD (ON ITEM 1) IF REQUIRED. LOCATE BAR (ITEM 4), LONG LEG PERPENDICULAR TO WAND, BETWEEN 2 APPLICABLE BOLSTERS, AND WELD TO BOLSTER FLANGE.
2 - BLEND SINGLE WIRE (81W1) FROM CAB HARNESS INTO CONDUIT BRANCH FROM POWER & CONTROL HARNESS. RUN THE LARGER CONDUIT TO DUMP BODY UP SWITCH FROM SUPERSTRUCTURE FLOOR CUTOUT. DISCARD EXCESS CONDUIT FROM CAB HARNESS.



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ENG. APP. SLF
REL. CK. ELLIS

94495
E.N. NO.

MT4400AC

TEREX
UNIT RIG

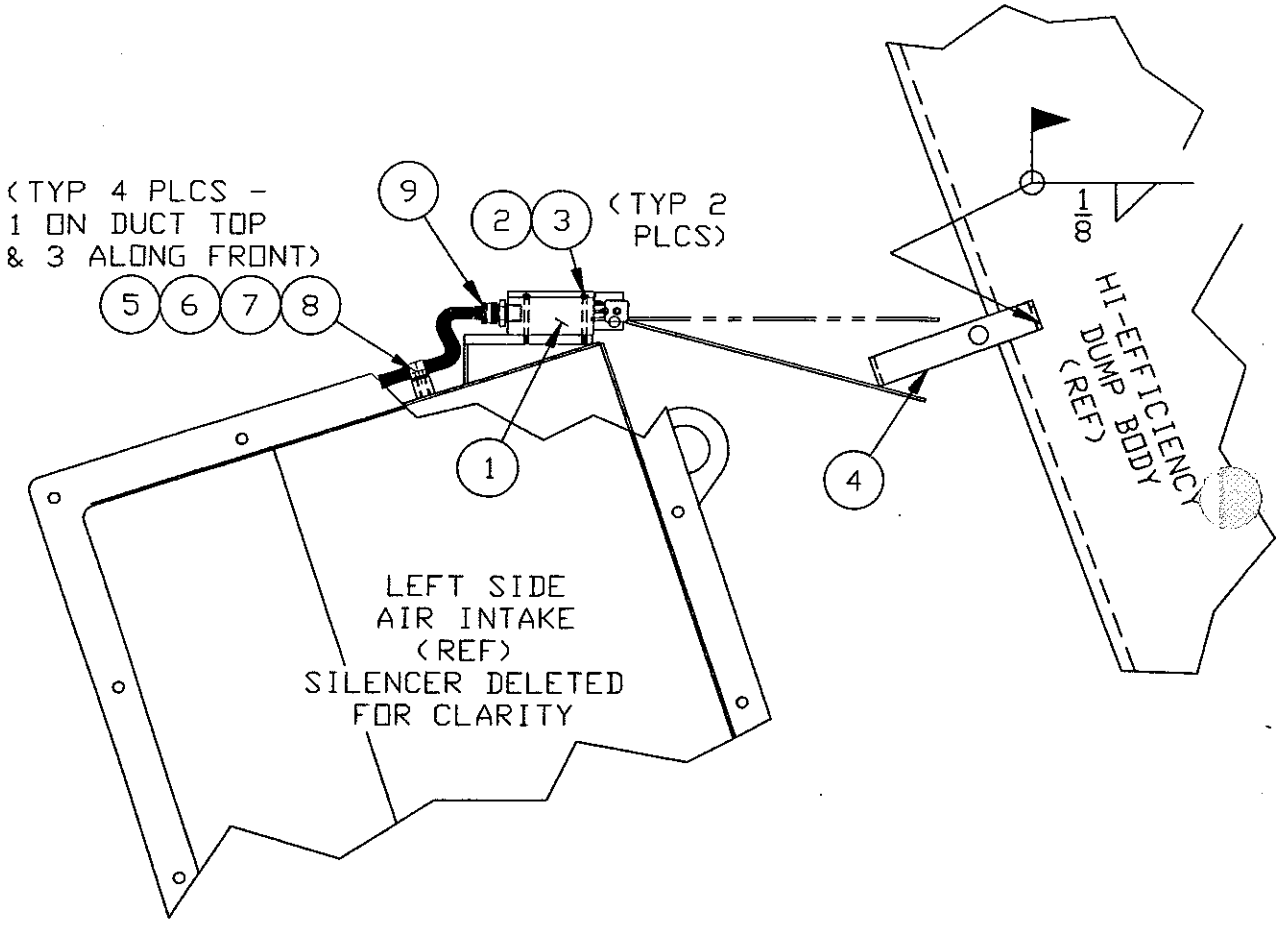
DUMP BODY UP ASSEMBLY

SHEET 1 OF 2

86308G

86308G

NOTE -
1 - WITH DUMP BODY IN DOWN POSITION, ADJUST WAND TO SLIGHTLY ROTATE THE SWITCH MECHANISM PAST THE TRIPPED POSITION. RECLOCK WAND MOUNTING HEAD (ON ITEM 1) IF REQUIRED. LOCATE BAR (ITEM 4), LONG LEG PERPENDICULAR TO WAND, ON FACE OF HEADER PLATE. IF OVERLAP OF WAND TO BAR LEG (ITEM 4) IS MARGINAL, REVERSE BAR (ITEM 4) END FOR END, THEN WELD.
2 - BLEND SINGLE WIRE (81W1) FROM CAB HARNESS INTO CONDUIT BRANCH FROM POWER & CONTROL HARNESS. RUN THE LARGER CONDUIT TO DUMP BODY UP SWITCH FROM SUPERSTRUCTURE FLOOR CUTOUT. DISCARD EXCESS CONDUIT FROM CAB HARNESS.



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ENG. APP.
REL. CK.

94495
E.N. NO.

TEREX
UNIT RIG

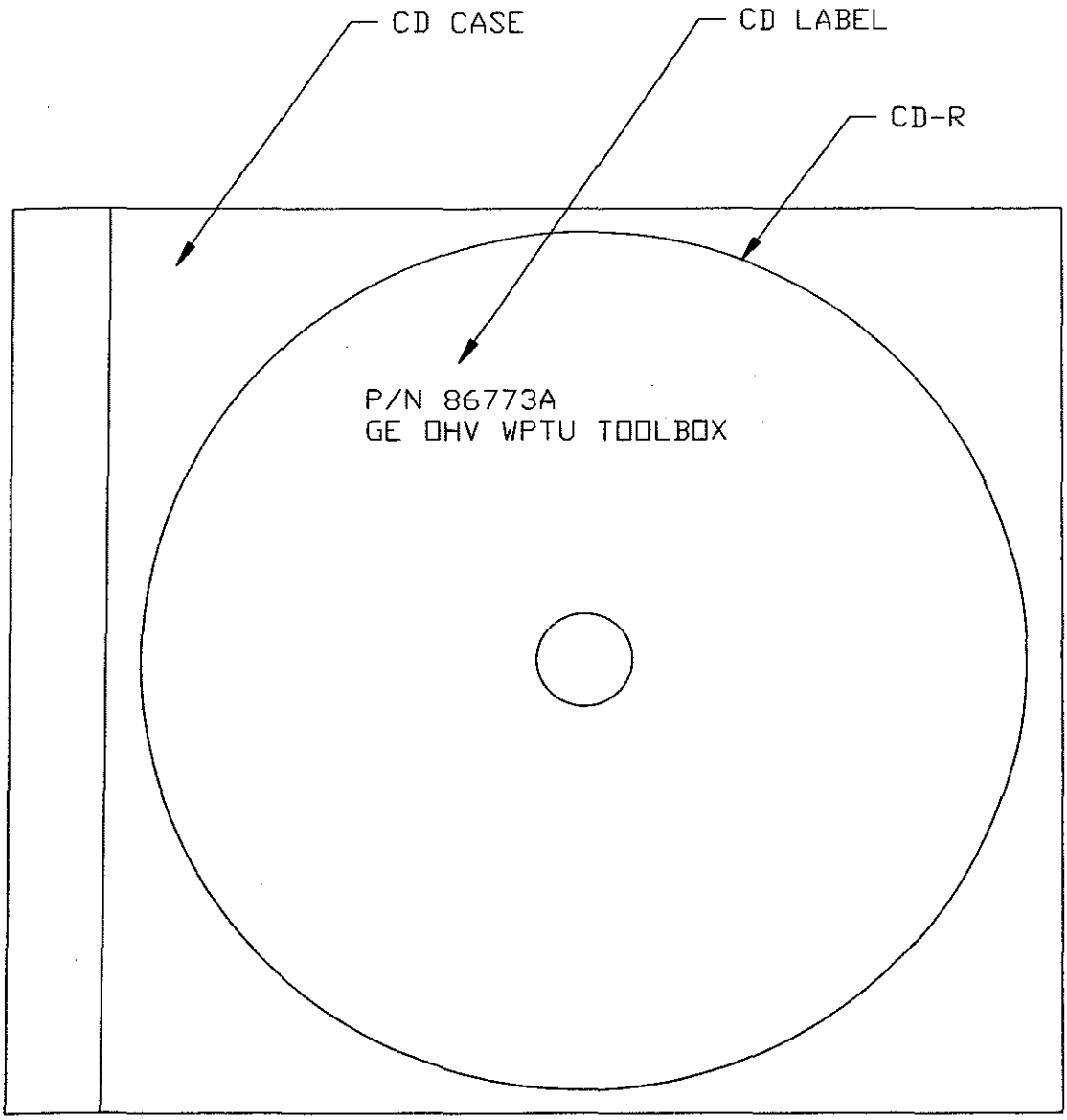
DUMP BODY U
ASSEMBLY

SHEET 2 OF 2
86308G

86773A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1 R	1		DISK4006A	SOFTWARE, WPTU TOOLBOX V4.0

VER 4.0
FOR AC & DC SYSTEMS
DISTRIBUTED BY
SERVICE DEPARTMENT



INSTRUCTIONS:

1. COPY ALL FILES FROM "..\DISK4006A\CD1" (ITEM 1) TO A CD-R.
2. LABEL THE CD-R PER FILE "\URLABEL\86773A-LABEL.DSN" ON ITEM 001. TO PRINT LABEL FILE "86773A-LABEL.DSN", USE "AVERY MEDIA SOFTWARE"
3. STICK LABEL ON CD..
4. PUT CD-R INTO CD CASE.

AVERY-TEREX

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DR. MURPHY
ENG. APP. DODEN
REL. CK. PD

95299
E.N. NO.

TEREX
UNIT RIG

SOFTWARE, WPTU TOOLBOX

SHEET 1 OF 1

86773A

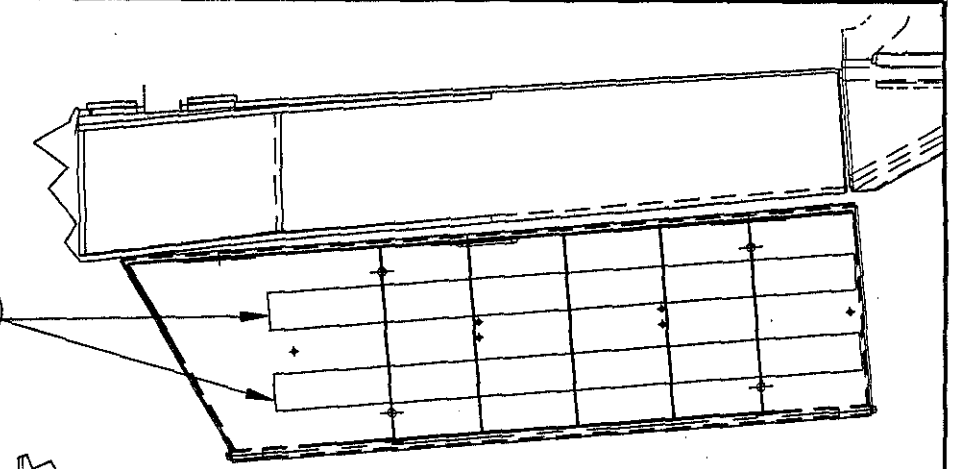
E.N. NO.	88476
	88682
	37

DR.	Robinson
ENG. APP.	
DODEN	
REL. CK.	
ELLIS	

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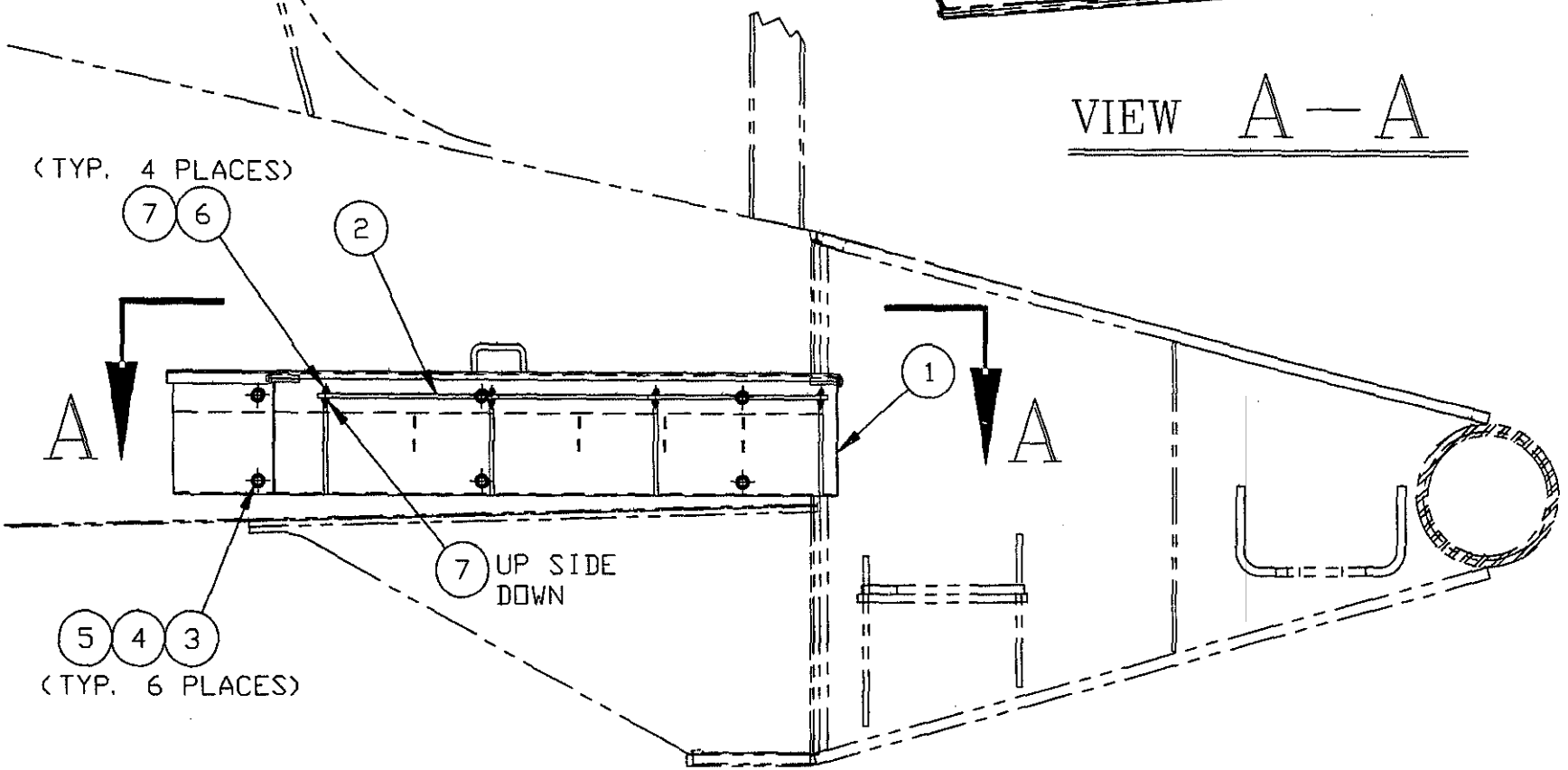
A1VERT A84245

CUT ITEM 8 INTO 48" LONG STRIPS AND BOND TO BOTTOM OF BOX WITH 3M #10 ADHESIVE (P/N 986662)



VIEW A—A

(TYP. 4 PLACES)



VIEW FROM INSIDE LEFT FRAME RAIL

UNIT RIG CAD

BATTERY BOX MOUNTING

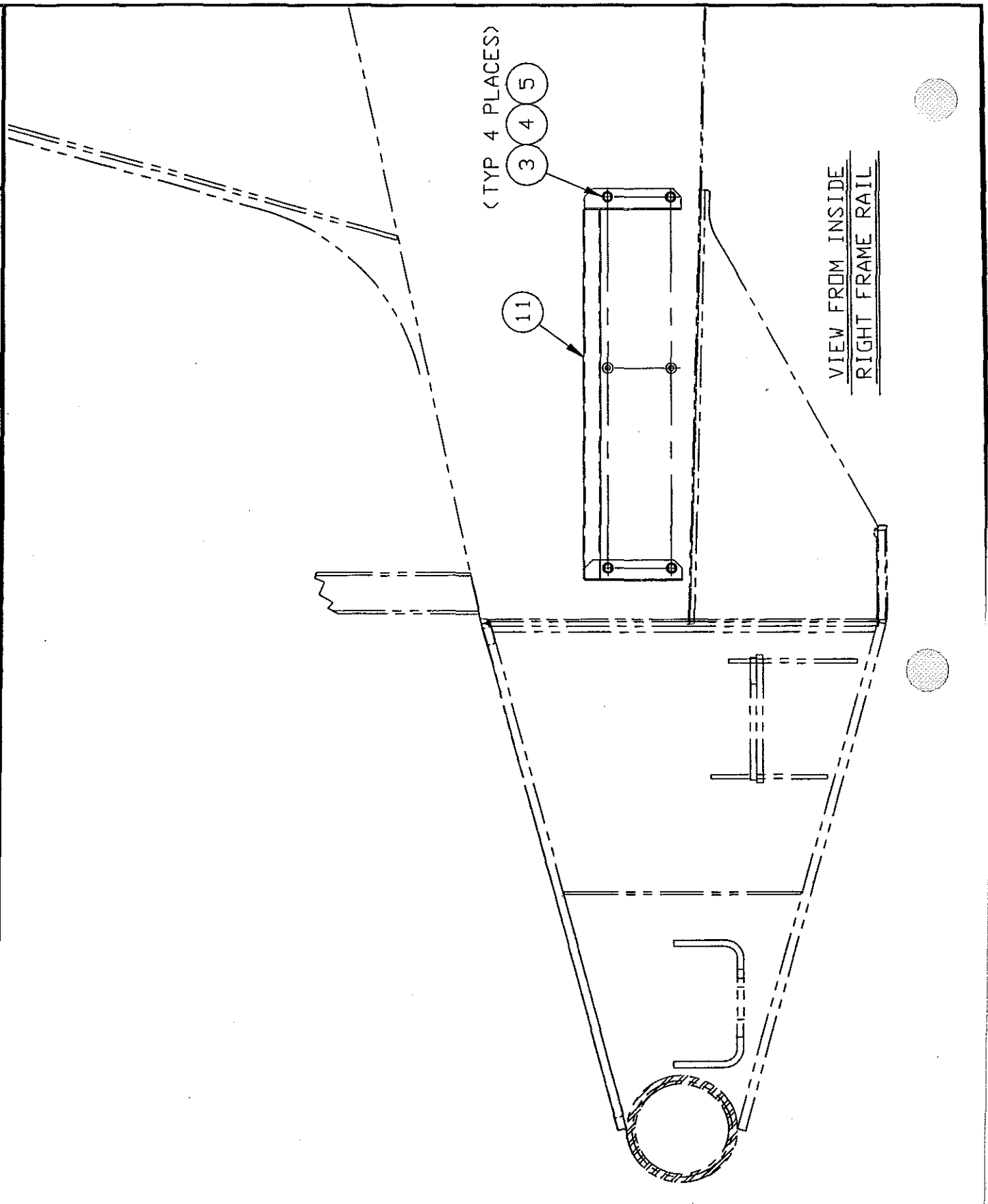
SHEET 1 OF 2

A84245

BI115389

A84245

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Robinson
ENG. APP.
DODEN
REL. CK.
ELLIS

88737
88682
88476
E.N. NO.

UNIT RIG CAD ™

BATTERY BOX MOUNTING

SHEET 2 OF 2

A84245

A84245A

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		804970	BOX, BATTERY
	2	3		84373B	RETAINER
	3	10		10044	CAPSCREW, HX, 5/8-11NC X 1-1/4 GR 5
	4	10		10183	WASHER, LK, HELI, 5/8 X 1.079 OD
	5	10		25912	WASHER, FL, 5/8 X 1.750 OD
	6	6		10164	WASHER, FL, 3/8 X 1 OD, ZP
	7	12		17413	NUT-HEX, FLXLC 3/8-16
	8	1		18949	WEBBING NEOPRENE
	11	1		84384A	PLATFORM
	99 R	1		A84245	DWG ONLY-BAT BOX MTG

*SEE SERVICE PARTS

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ENG. APP.

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88476

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BATTERY BOX MOUNTING

SHEET 1 OF 1

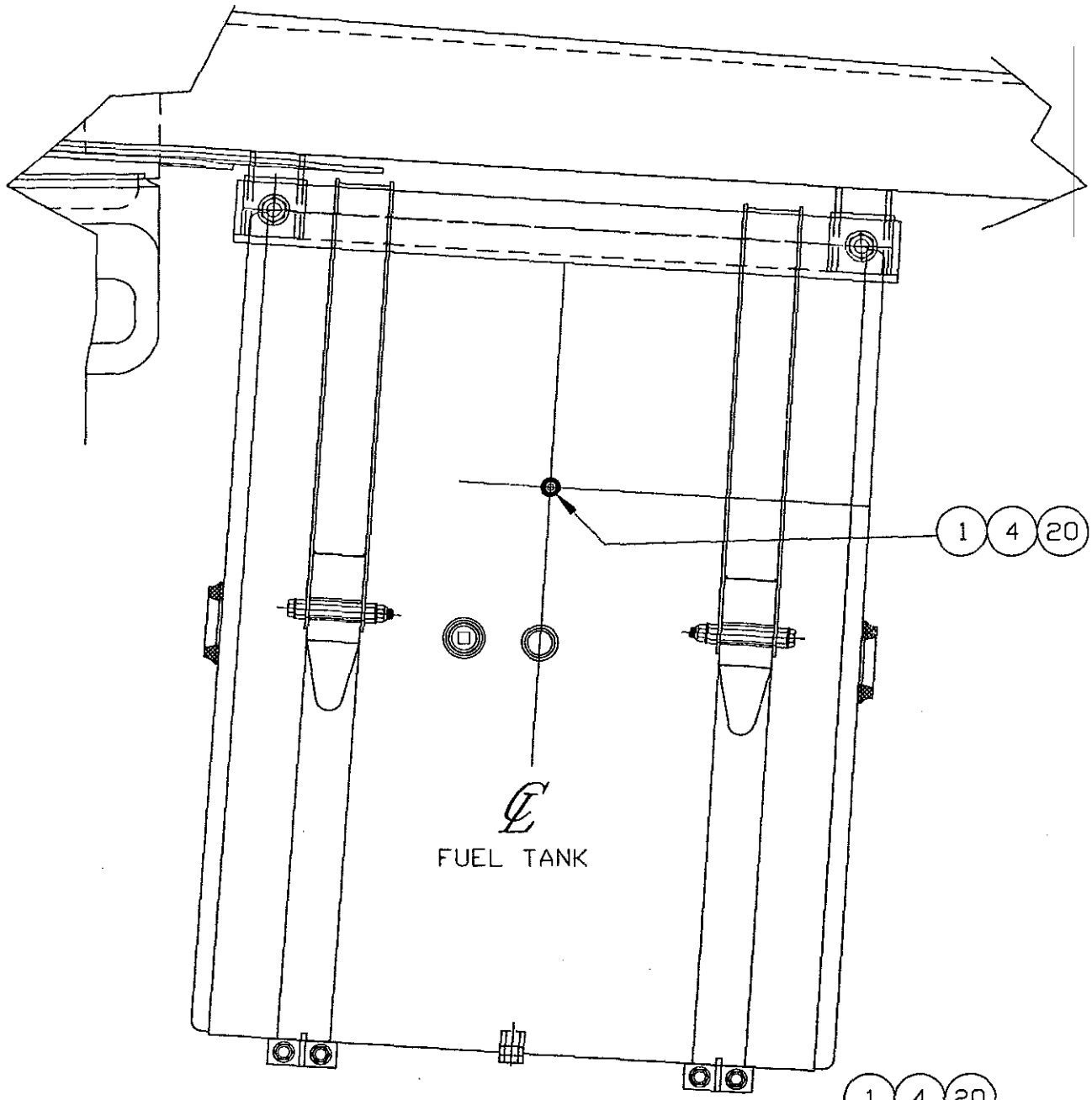
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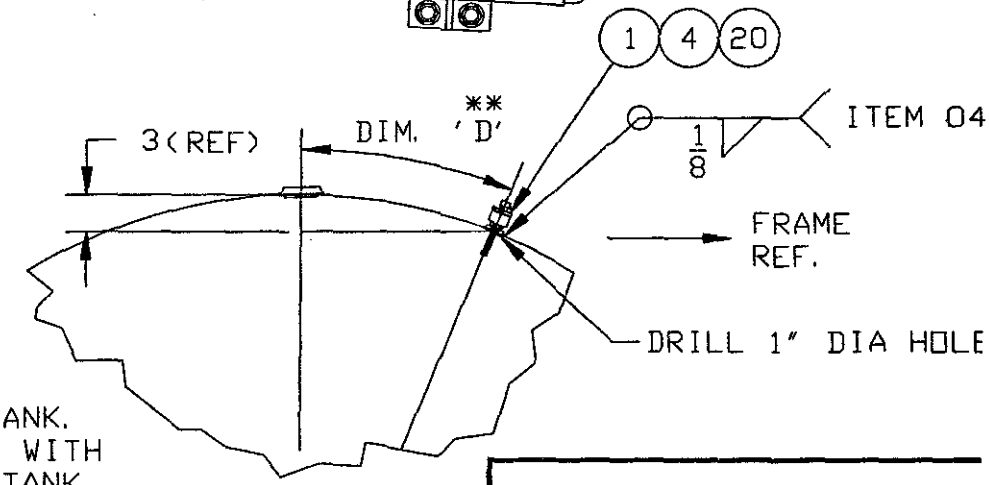
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90510
90453
88943
88750
E.N. NO.





**DIMENSION 'D' IS LENGTH TO HOLE ON OUTSIDE SURFACE OF TANK. DIMENSION 'D' VARIES WITH OUTSIDE DIAMETER OF TANK.

TANK DIA.	DIM. 'D'
60"	13-1/2"
72"	14-13/16"
81"	15-11/16"

UNIT RIG CAD ™

FUEL INDICATOR ASSY

SHEET 1 OF 4

A84391

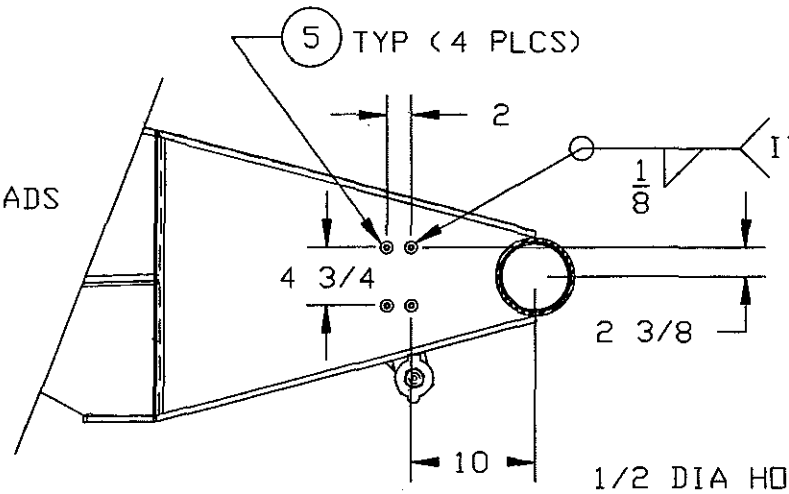
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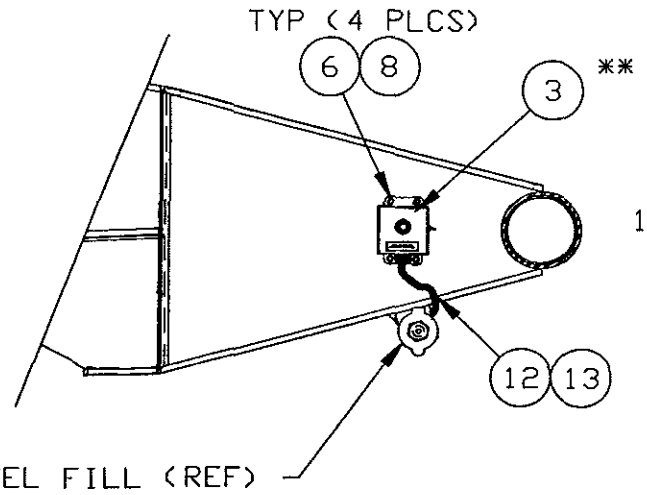
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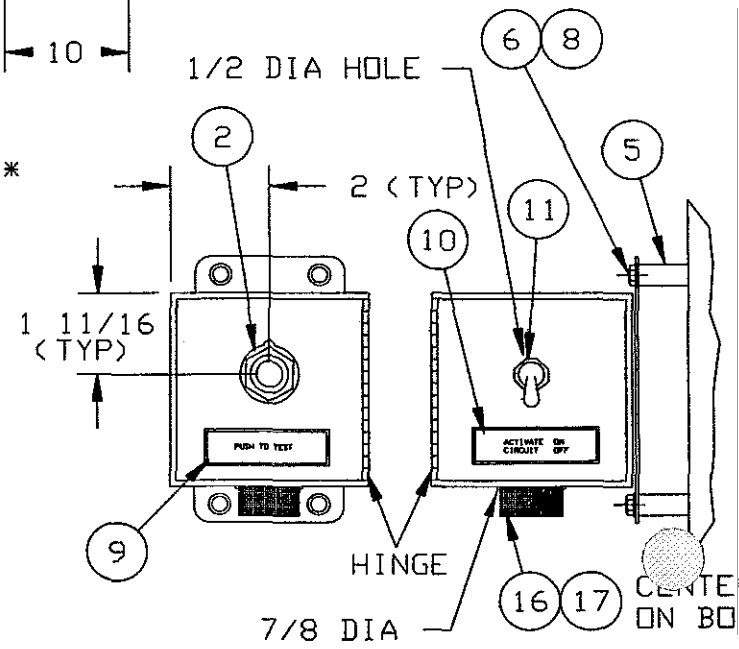
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BOLTING PADS LAYOUT.



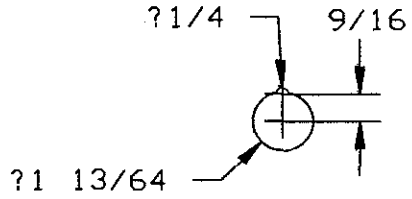




** NOTE: DRILL APPROPIATE HOLES ON ITEM 03 FOR MOUNTING ITEMS 2, 11&16 (SEE HOLE LAYOUT FOR ITEM 02)

CABLE ROUTING:

1. FROM TANK SENSOR DOWN TO MIDDLE OF INSIDE RIGHT FRAME RAIL.
2. FROM 24 VOLT POWER SOURCE(SEE OPTION SCHEMATIC) TO MIDDLE INSIDE RIGHT FRAME RAIL. JOIN WITH ABOVE.
3. TO FRONT BUMPER DOWN INSIDE RIGHT FRAME RAIL.
4. USE B. PADS & CLAMPS AS REQUIRED TO ATTACH CABLE AND CONDUIT.



HOLE LAYOUT FOR ITEM 02

UNIT RIG CAD ™

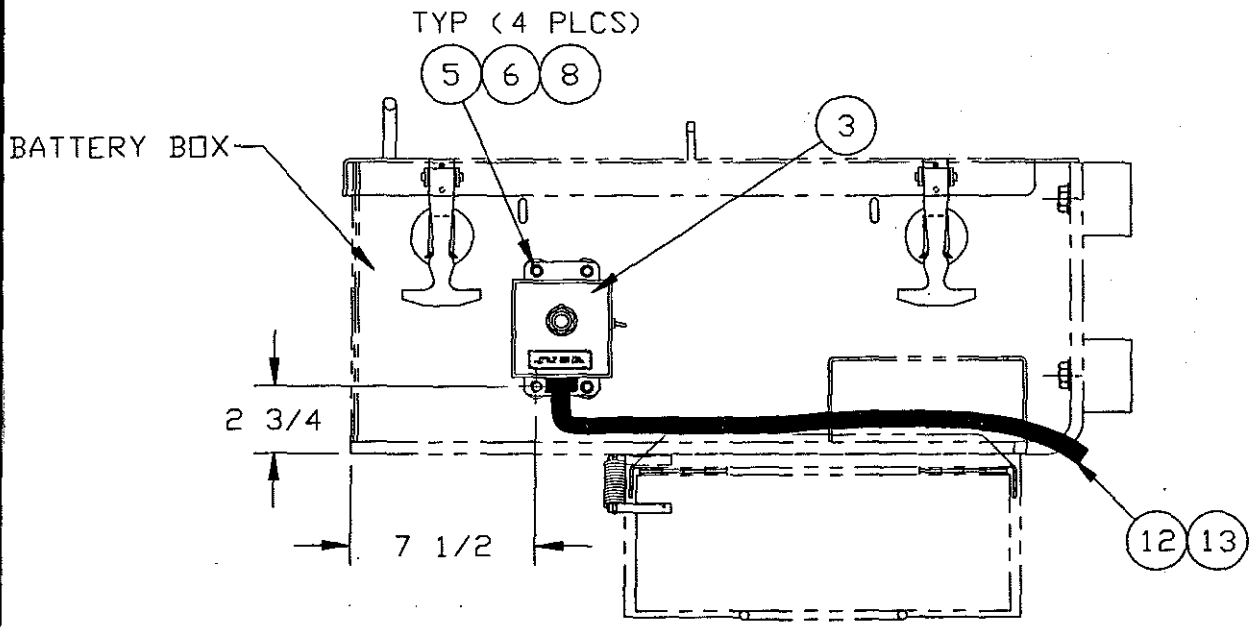
FUEL INDICATOR ASSY

SHEET 2 OF 4

A84391

A84391

BOX LOCATION ON UNITS WITH BATTERY BOX @ RIGHT FRONT



SEE SHEET #2 FOR DISTANCES BETWEEN BOLT PADS(ITEM #5)

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UNIT RIG CAD

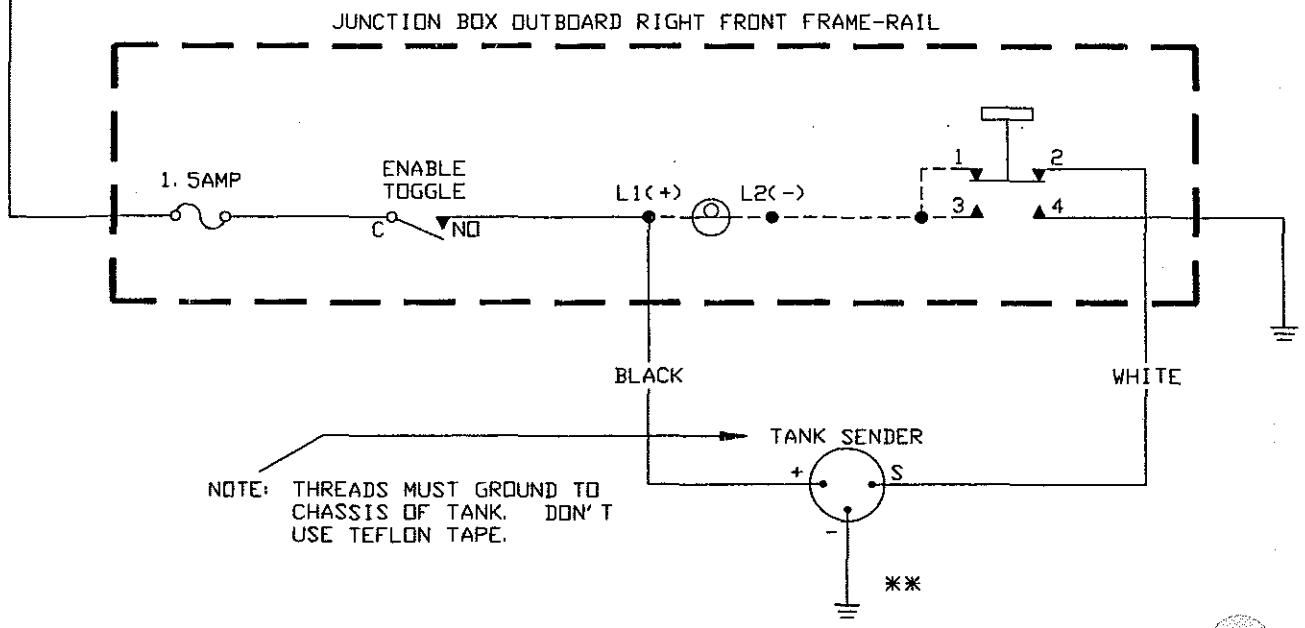
FUEL INDICATOR ASSY

SHEET 3 OF 4

A84391

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24 VOLT POWER SOURCE
SEE OPTION SCHEMATIC FOR
LOCATION



** NOTE: IF SENDER UNIT HAS A (-) GROUND LEAD, IT MUST BE WIRED ACCORDINGLY.

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	90510
	90453
	RED
	88943
	88750
E.N. NO.	

UNIT RIG CAD

FUEL INDICATOR ASSY

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ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		55681	SENSOR-FUEL LEVEL
2	1		55683	SWITCH-PUSH BUTTON
3	1		55685	BOX-ELECTRICAL 4HX4WX4D HINGED BOX
4	1		10794	FLANGE, WELD 3/8 NPT
5	14		34083	PAD, BOLTING 1/4-20 3/4" O. D. X 3/4 LG.
6	14		10001	CAPSCREW, HX, 1/4-20NC X 3/4 GR 5
7	10		18902	CLAMP-CUSHION 1/2 1/2" ID
8	14		10178	WASHER, LK, HELI, 1/4 X .489 OD
9	1		69857U	NAMEPLATE, ENGLISH PRESS TO TEST
10	1		84193E	NAMEPLATE-ENGLISH ACTIV. CIRCUIT ON-OFF
11	1		21382	SWITCH TOGGLE
12	165	FT	24582	CABLE-18AWG
13	45	FT	84024E	CONDUIT (DWG84024A-Z) I. D. .413 (10MM)
14	5		20707	TERMINAL-RING TONGUE #10 HOLE, 18 AWG
15	5		20708	TERMINAL-FEMALE TAB 1/4" WIDE, 22-18 AWG
16	1		16888	GRIP, SEAL 1/2NPT 1/4 - 3/8 DIA CABLE
17	2		16889	LOCKNUT CONDUIT 1/2"
18	1		55686	FUSE-HOLDER
19	1		55687	FUSE 1-1/2 AMP
20	1		55682	HARNESS-FUEL LEVEL
99 R	1		A84391	DWG ONLY, FUEL IND ASY

FUEL FULL INDICATOR SYSTEM LOC. BY FUEL FILL STATION RIGHT FRONT CORNER MT-4400.

A84391A

ABOM

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E.N. NO.

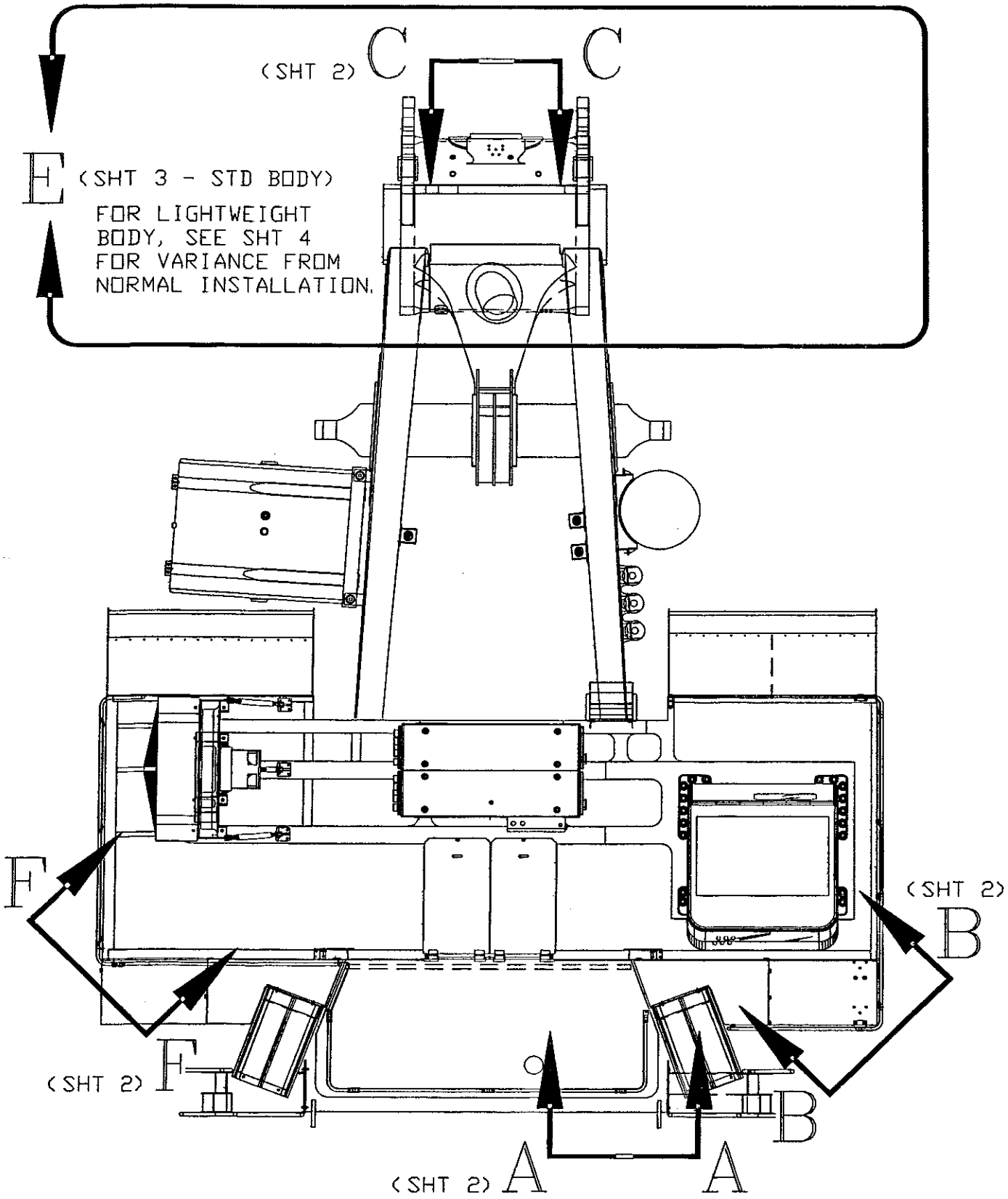
TEREX MINING

FUEL INDICATOR ASSY

SHEET 1 OF 1

A84391A

A85283



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REL. CK. ELLIS

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91733
91531
E.N. NO.

UNIT RIG CAD ™

LIGHT ASSEMBLY, HD, TL & CLR

SHEET 1 OF 4

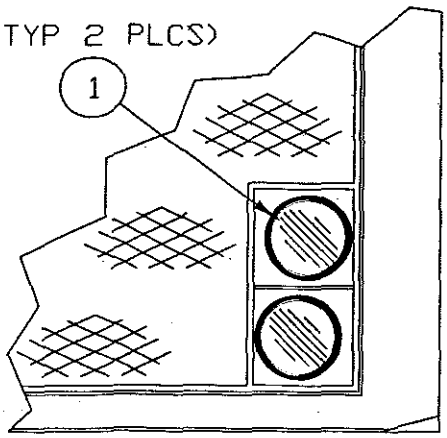
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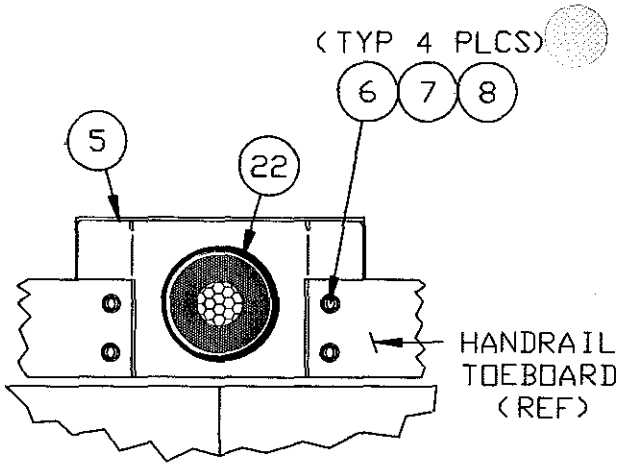
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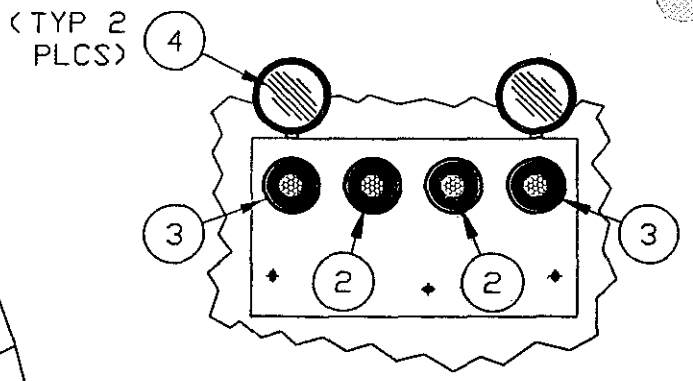
92177
91733
91531
E.N. NO.



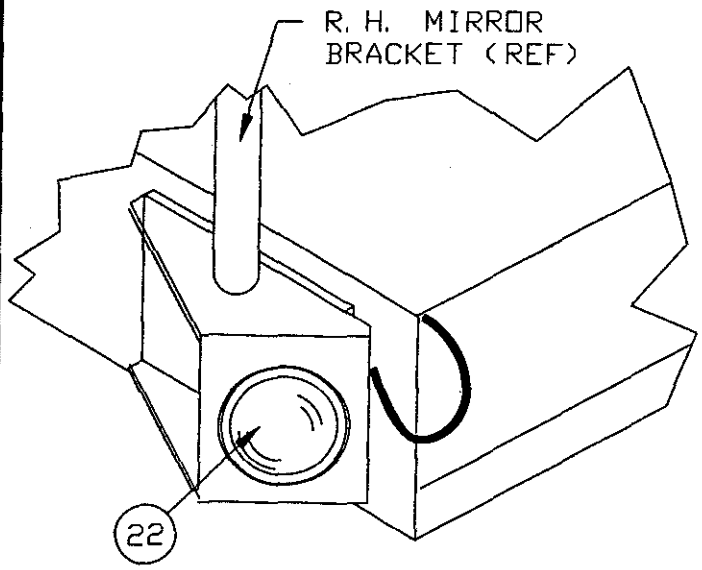
VIEW A—A
4X SCALE
VIEW TYPICAL FOR 2 SIDES OF RADIATOR



VIEW B—B
8X SCALE
VIEW TYPICAL FOR 2 FRONT CORNERS ON MT5500 VIEW SPECIFIC TO LEFT FRONT CORNER ON MT3300AC



VIEW C—C
4X SCALE



VIEW F—F
VIEW SPECIFIC TO RIGHT FRONT CORNER ON MT30/3300

UNIT RIG CAD ™

LIGHT ASSEMBL HD, TL & CLR

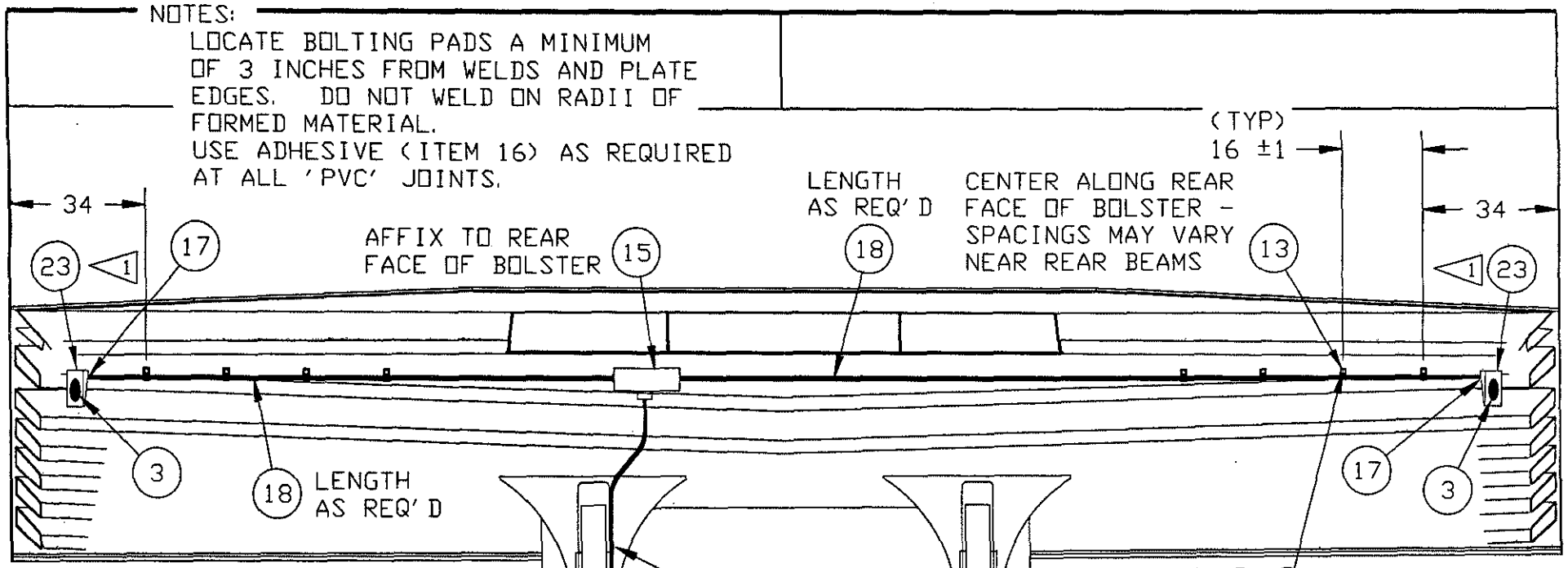
SHEET 2 OF 4

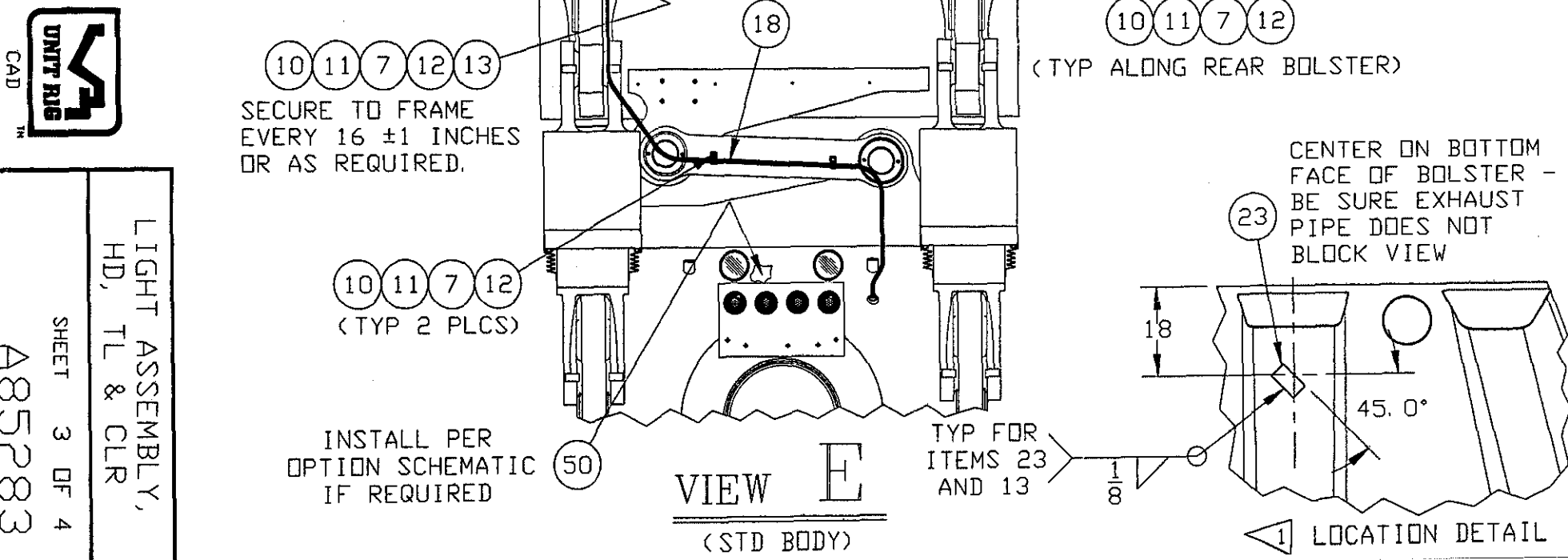
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E.N. NO. 91531 | 92177 9-7-33 | DR. MASSIE | ENG. APP. | REL. CK. | AIVERT A85283

NOTES:
LOCATE BOLTING PADS A MINIMUM OF 3 INCHES FROM WELDS AND PLATE EDGES. DO NOT WELD ON RADII OF FORMED MATERIAL.
USE ADHESIVE (ITEM 16) AS REQUIRED AT ALL 'PVC' JOINTS.





UNIT RIG CAD

LIGHT ASSEMBLY, HD, TL & CLR

SHEET 3 OF 4

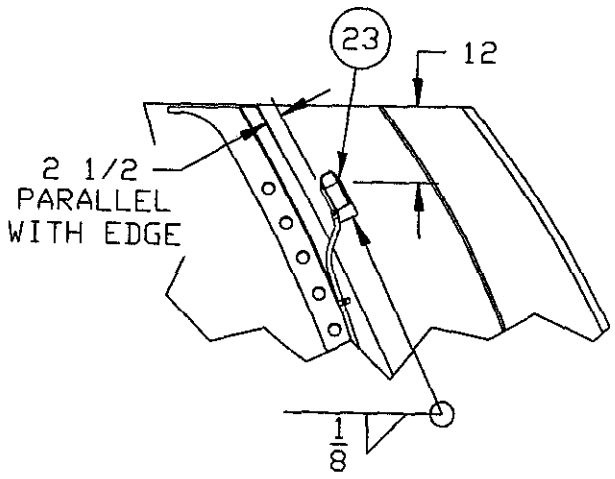
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BI115389

E.N. NO.	91531	91733	92177					REL. CK.	ENG. APP.	MASSIE BR.

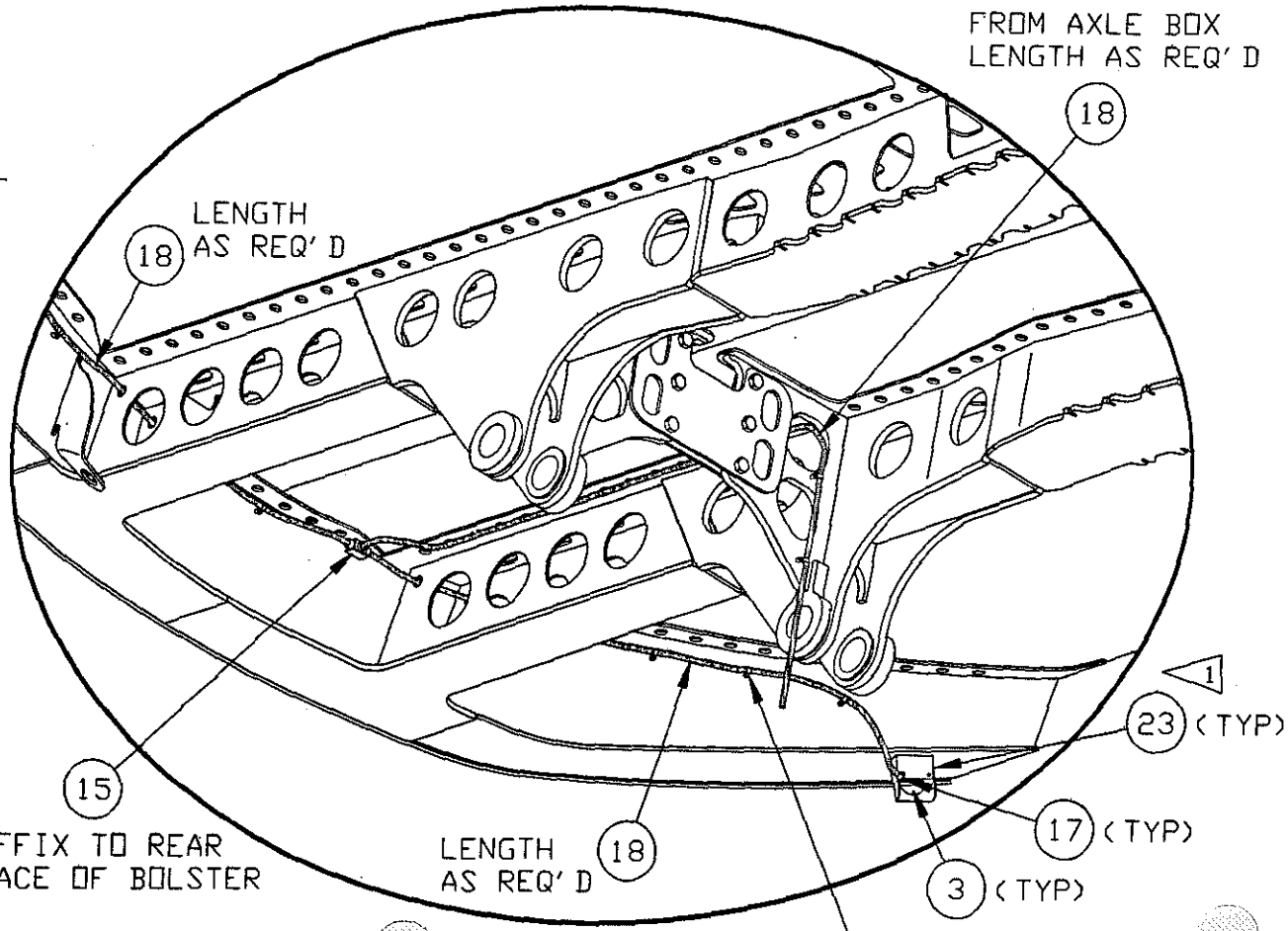
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1 LOCATION DETAIL
(TYP 2 PLCS)

FOR LIGHTWEIGHT DUMP BODY, INSTALL ALL COMPONENTS FROM AXLE BOX TO 'PVC' CONDUIT BOX AS NORMAL. ADD LIGHT BRACKET (ITEM 23) PER DETAIL AT LEFT, AND ROUTE CONDUIT (ITEM 18) PER DETAIL BELOW.



USE ADHESIVE (ITEM 16) AS REQUIRED AT ALL 'PVC' JOINTS.

UNIT RIG CAD™

LIGHT ASSEMBLY
HD, TL & CLR

SHEET 4 OF 4

A85283

BI115389

A85283B

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	4		* 51675 *	KIT-HEADLIGHT HALOGEN H4 24V BULB HI & LO REFLECTIVE RANGE
S	2	2		* 56099 *	CLEARANCE LT, LED-A AMBER
S	3	2		* 56100 *	CLEARANCE LT, LED-R RED
S	3	2		* 56100 *	CLEARANCE LT, LED-R RED
S	4	2		* 52741 *	KIT-FLOOD/BACK-UP LIGHT HALOGEN H3 24V BULB.
	5	2		67901M	BRACKET, CLEARANCE LIGHT
	6	8		10012	CAPSCREW, HX, 3/8-16NC X 1 GR 5
	7	8		10164	WASHER, FL, 3/8 X 1 OD, ZP
	7	28		10164	WASHER, FL, 3/8 X 1 OD, ZP
	8	8		17413	NUT-HEX, FLXLC 3/8-16
	10	28		10011	CAPSCREW, HX, 3/8-16NC X 3/4 GR 5
	10	4		10011	CAPSCREW, HX, 3/8-16NC X 3/4 GR 5
	11	28		10180	WASHER, LK, HELI, 3/8 X .683 OD
	11	4		10180	WASHER, LK, HELI, 3/8 X .683 OD
	12	4		18939	TUBE CLAMP 1ID CLOSED
	12	28		18939	TUBE CLAMP 1ID CLOSED
	13	28		948634	PAD, BOLTING 3/8 NC 3/4 OD X 3/4 LG
	15	1		53412	BOX, 1/2 PVC COND. TEE
	16	1		53452	ADHESIVE , PVC CONDUIT
	17	2		53473	CAP, 1/2" PVC END
	18	28	FT	53408	CONDUIT, 1/2 PVC
	18	20	FT	53408	CONDUIT, 1/2 PVC
S	22	2		* 56099 *	CLEARANCE LT, LED-A AMBER
	23	2		84386E	BRACKET, LIGHT, D BODY
	50	1		83848J	RESISTOR ASSY
	98 R	1		NA85283B1	ASSY NOTE, NO DRAWING INSTALL ITEM 50 PER OPTION SCHEMATIC
	99 R	1		A85283	DWG ONLY - LIGHT ASSY

MT4400 & MT5500
W/ LED'S

*SEE SERVICE PARTS

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REL. CK. ELLIS

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E.N. NO.

TEREX MINING

LIGHT ASSY, HD, TL, CLR

SHEET 1 OF 1

A85283B

BI115389

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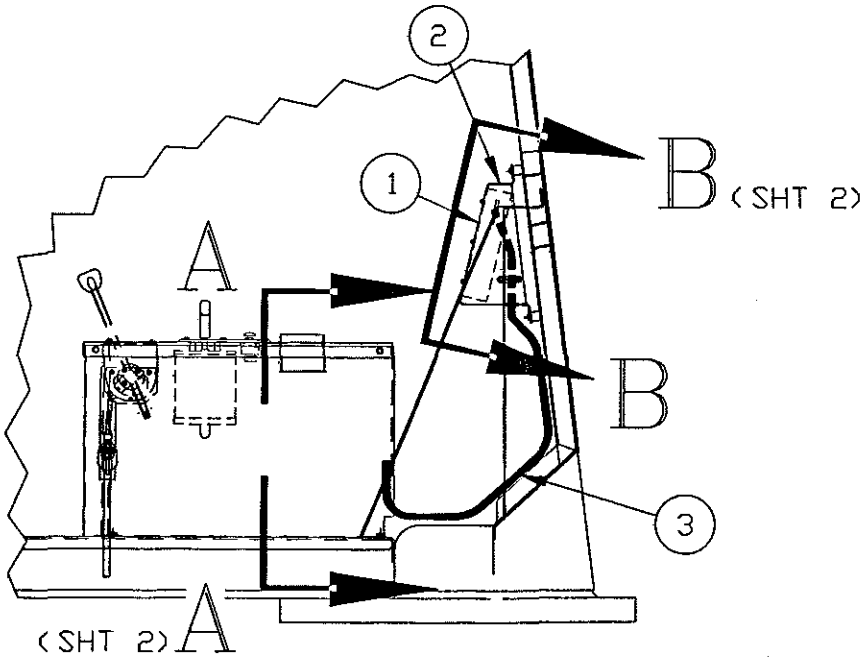
DR. MASSIE

ENG. APP. SLF

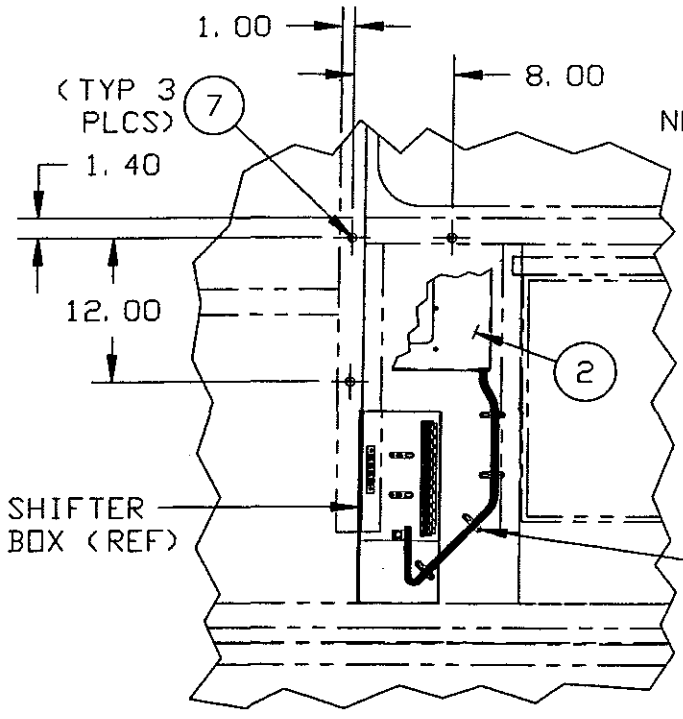
REL. CK. ELLIS

91726

E.N. NO.



CAB AS VIEWED FROM DRIVERS SIDE WITH SEATS REMOVED



NOTES:

1 - LAYOUT AND WELD 1/4 BOLT PADS (ITEM 7) TO REAR CROSSMEMBER BELOW AND TO LEFT (AS VIEWED) OF REAR WINDOW. USE BOLT PADS AS FIXTURE TO LOCATE HOLES IN 'ABS' PANEL. DRILL HOLES SLIGHTLY OVERSIZE TO BOLT PAD AND REINSTALL PANEL.

LOCATE APPROX AS SHOWN - GLUE TO 'ABS' PANEL (TYP 4 PLCS)

BRACKET MOUNTING PATTERN

FOR 'ROPS' CAB W/ ABS PANELING

UNIT RIG CAD ™

D. I. D. ASSEMBLY

SHEET 1 OF 2

A85476

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REL. CK.

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E.N. NO.

LOCATE APPROX AS SHOWN - GLUE TO SHEET METAL

LABEL TB18

LABEL RTN18

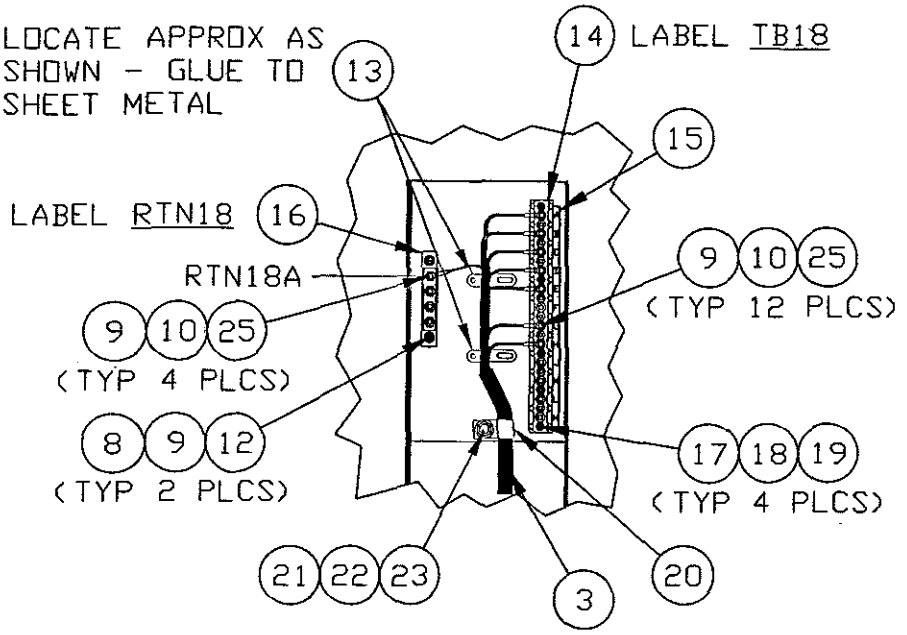
RTN18A

(TYP 4 PLCS)

(TYP 2 PLCS)

(TYP 12 PLCS)

(TYP 4 PLCS)



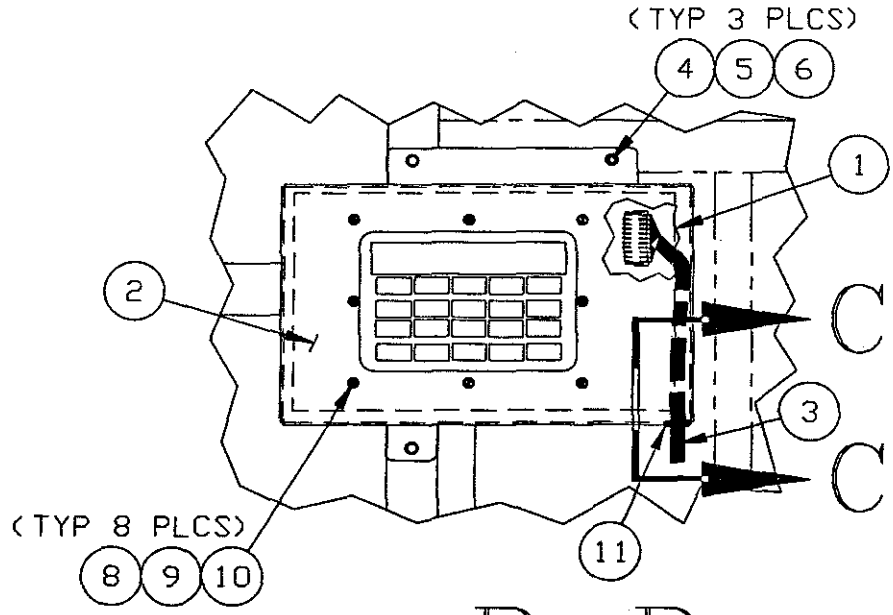
TB18 CONNECTIONS

TERMINAL	WIRE #
TB18A	3CS45 - RED
TB18B	3CS45 [illegible]HT
TB18C	3CS45 [illegible]LK
TB18D	SHLD
TB18E	5VDC1
TB18F	---
TB18G	P15VDC1
TB18H	N15VDC1
TB18J	---
TB18K	---
TB18L	---
TB18M	---

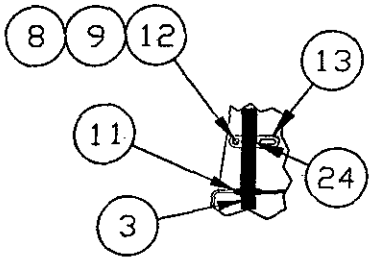
VIEW A — A

(TYP 3 PLCS)

(TYP 8 PLCS)



VIEW B — B



VIEW C — C

UNIT RIG CAD ™

D. I. D. ASSEMBLY

SHEET 2 OF 2

A85476

A85476A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1 R	1		56510	D. I. D. PANEL GE P/N 17FM558A2
2	1		85475A	BOX, D. I. D. MOUNTING
3	1		85486A	WIRE HARNESS ASSEMBLY
4	3		10001	CAPSCREW, HX, 1/4-20NC X 3/4 GR 5
5	3		10162	WASHER, FL, 1/4 X 0.625 OD
6	3		10178	WASHER, LK, HELI, 1/4 X .489 OD
7	3		34083	PAD-BOLTING, 1/4-20 3/4" O. D. X 3/4 LG.
8	15		16378	SCREW, MACH, RHD, 10-32NF X 3/4 GR 2
9	27		22048	WASHER, FL#10 (SAE) X .437 OD
10	20		28537	WASHER, LK, HELICAL, #10 X .334 OD
11	1		1019278	GROMMET 5/8ID X 1-1/8 OD, FOR 7/8 HOLE 1/8 GRV
12	3		17808	NUT, LOCK HX 10-32 NF
13	7		16999	PLATE-TIE, PANDUIT
14	1		24121	TERMINAL STRIP
15	1		24717	MARKER TERMINAL A-M
16	1		19395	BUS TERMINAL
17	4		26151	SCREW, MACH, RHD, 6-32NC X 1/2 GR 2
18	4		22068	WSHR, FL, #6 X .375OD X .375 OD
19	4		25253	NUT-LOCK HX 6-32NC
20	1		18666	CLAMP LOOP 19/32 I. D.
21	1		10011	CAPSCREW, HX, 3/8-16NC X 3/4 GR 5
22	1		10164	WASHER, FL, 3/8 X 1 OD, ZP
23	1		17413	NUT-HEX, FLXLC 3/8-16
24	7		18402	TIE, WRAP HEAVY DUTY 3/16 TO 3-1/2 BUNDLE
25	16		12867	NUT-HEX, 10-32
99 R	1		A85476	DWG ONLY, D. I. D. ASSY

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ENG. APP. SLF

REL. CK. ELLIS

91726
E.N. NO.

TEREX MINING

D. I. D. ASSEMBLY

SHEET 1 OF 1

A85476A

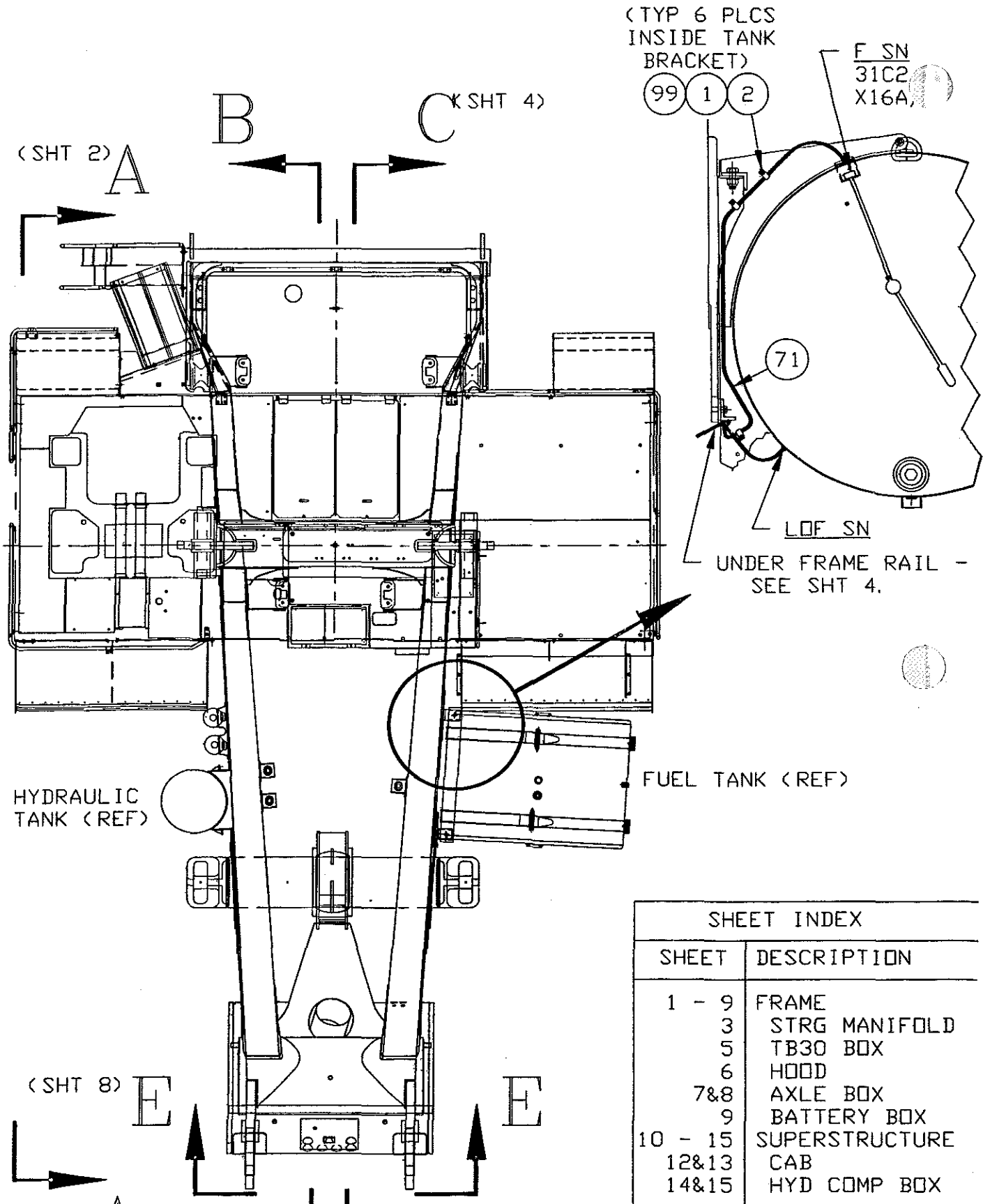
A86224

ALVERT-TEREX

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DR. MASSIE
ENG. APP. SLF
REL. CK. ELLIS

93982
93730
E.N. NO.



TEREX
UNIT RIG

SHEET INDEX	
SHEET	DESCRIPTION
1 - 9	FRAME
3	STRG MANIFOLD
5	TB30 BOX
6	HOOD
7&8	AXLE BOX
9	BATTERY BOX
10 - 15	SUPERSTRUCTURE
12&13	CAB
14&15	HYD COMP BOX

24 VOLT ELECTRICAL

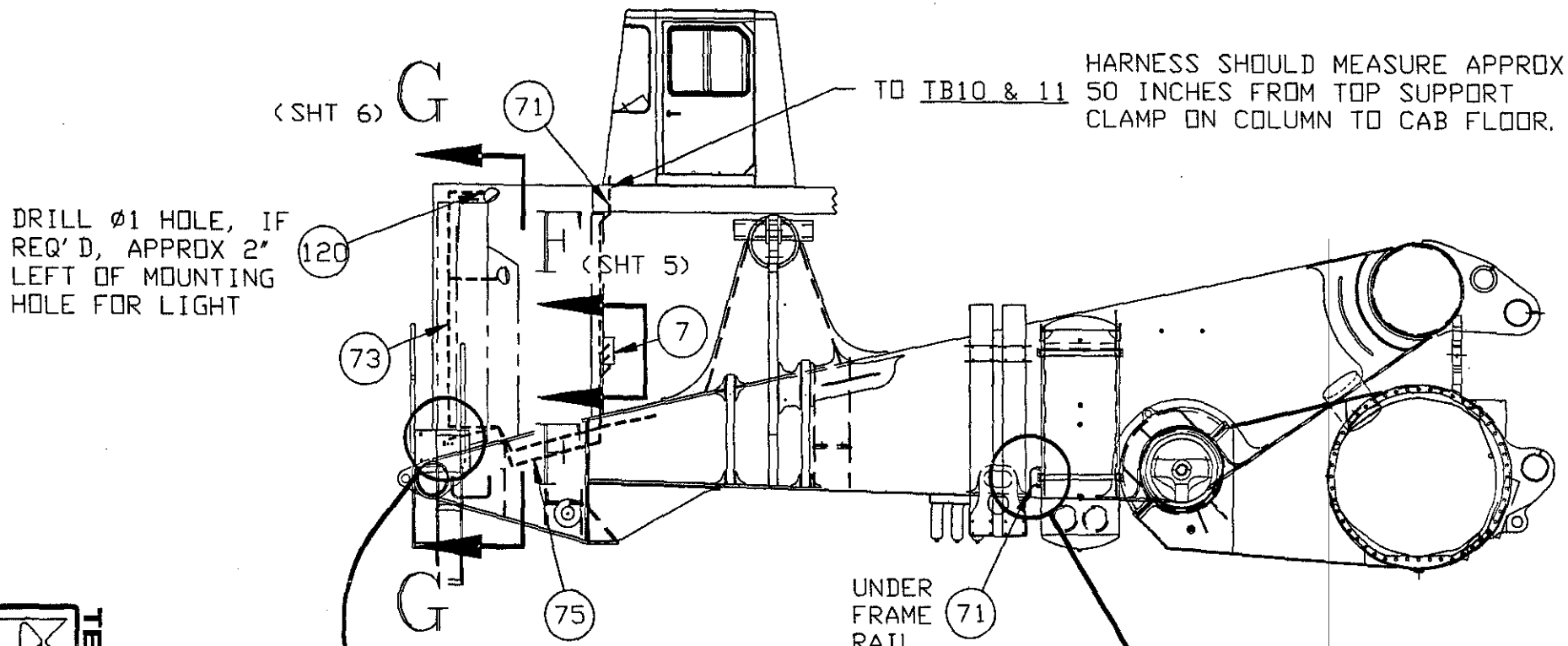
SHEET 1 OF 15

A86224

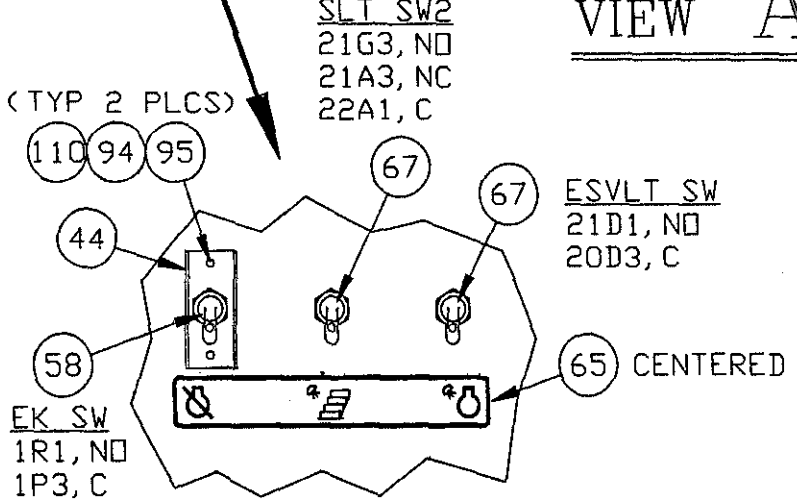
E.N. NO.	93730	93982						REL. CK.	ENG. APP.	DR. MASSIE

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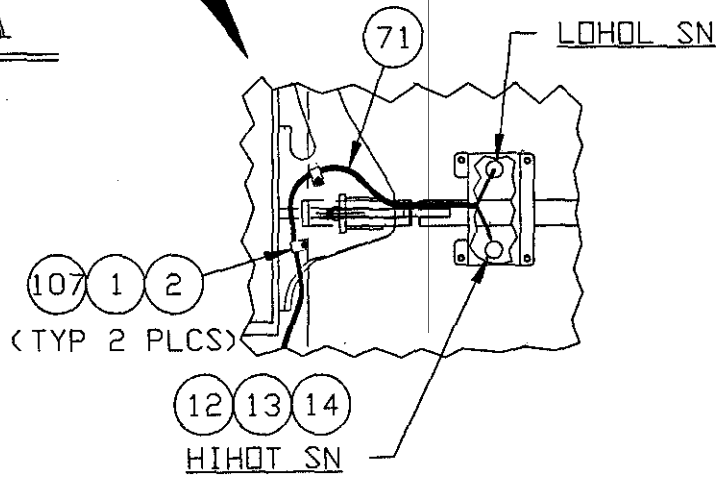
ALVERT-TEREX A86224



VIEW A—A



USE ITEM 87 AS REQ'D. TO INSULATE TERMINAL CONNECTIONS.



USE 'RTV' TO SEAL DIN CONNECTOR

TEREX UNIT RIG

24 VOLT ELECTRICAL

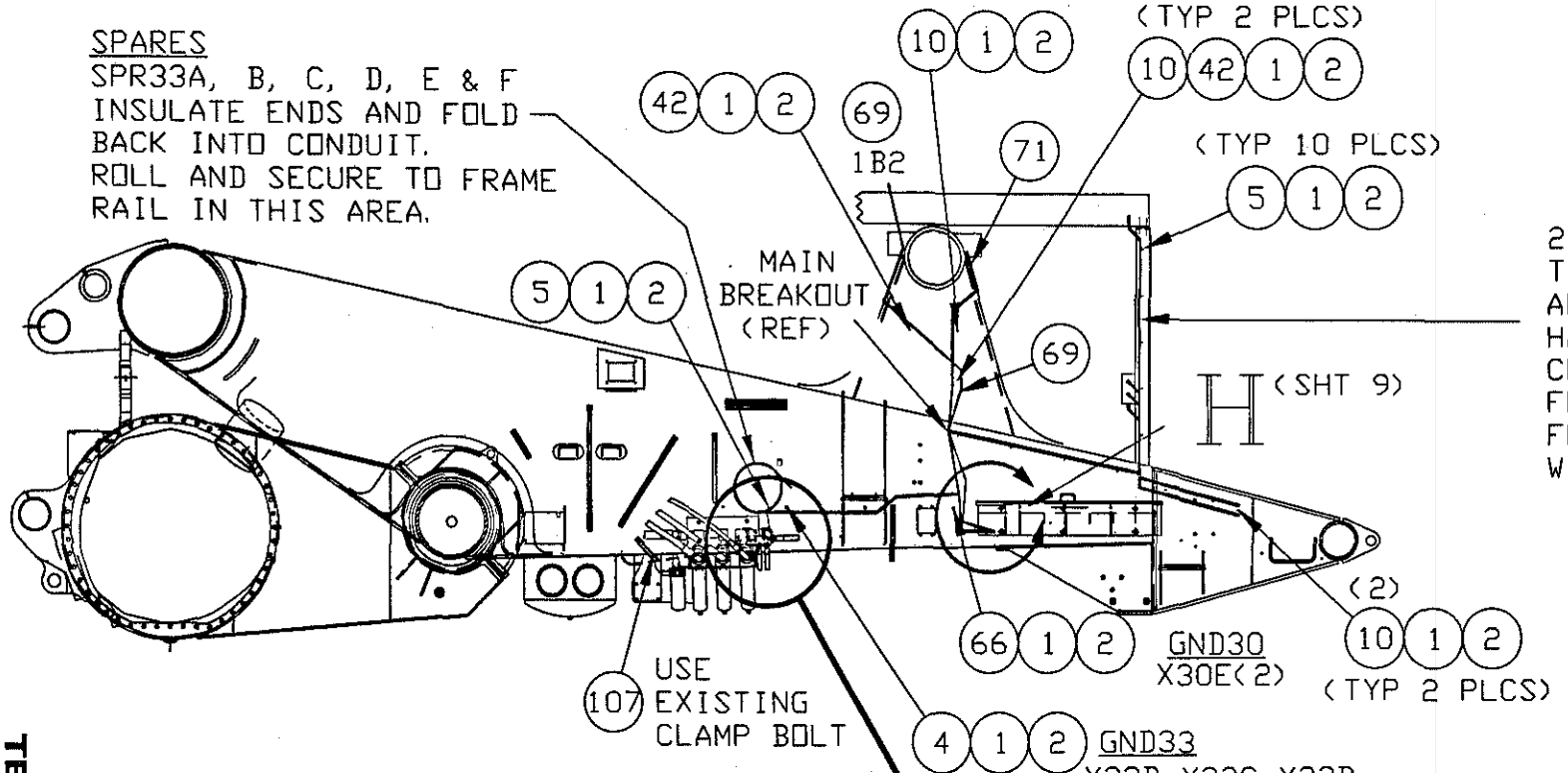
SHEET 2 OF 15

A86224

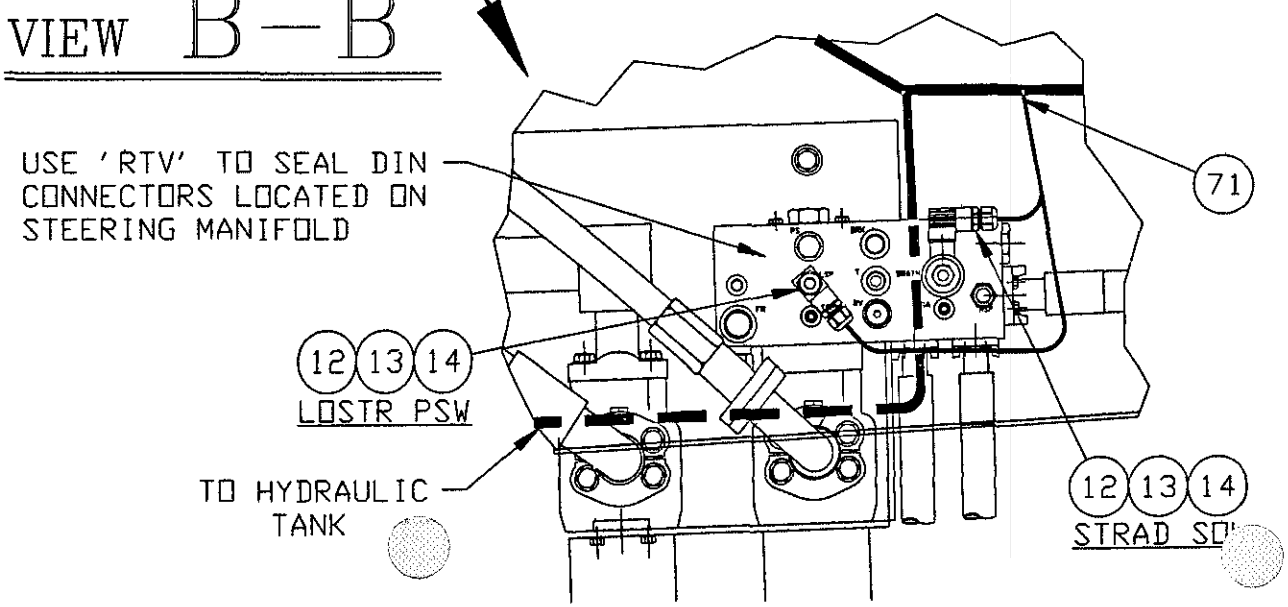
BI115389

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SPARES
SPR33A, B, C, D, E & F
INSULATE ENDS AND FOLD BACK INTO CONDUIT.
ROLL AND SECURE TO FRAME RAIL IN THIS AREA.



VIEW B—B



TEREX UNIT RIG

24 VOLT ELECTRICAL

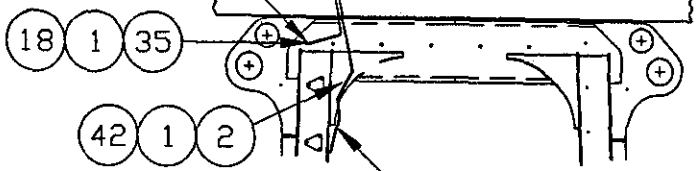
SHEET 3 OF 15

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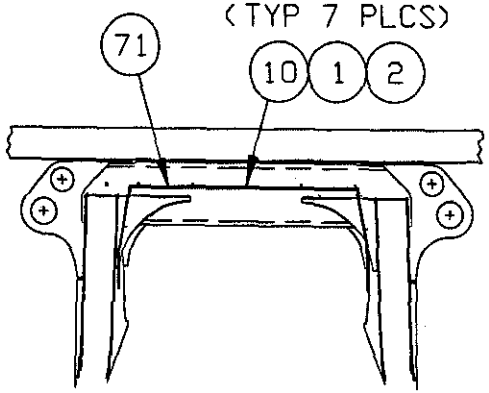
X30J FROM BOLTED CONNECTION AT RTN HANGOUT

69 1B2 AND X30J THRU S/STRUCTURE FLOOR CUTOUT (SEE SHT 10)

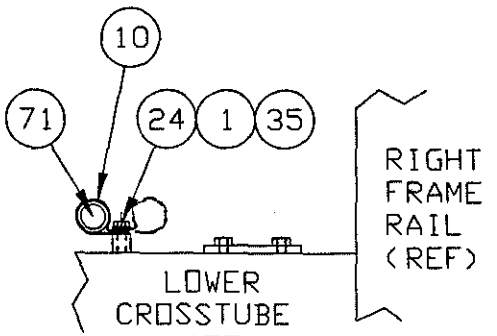


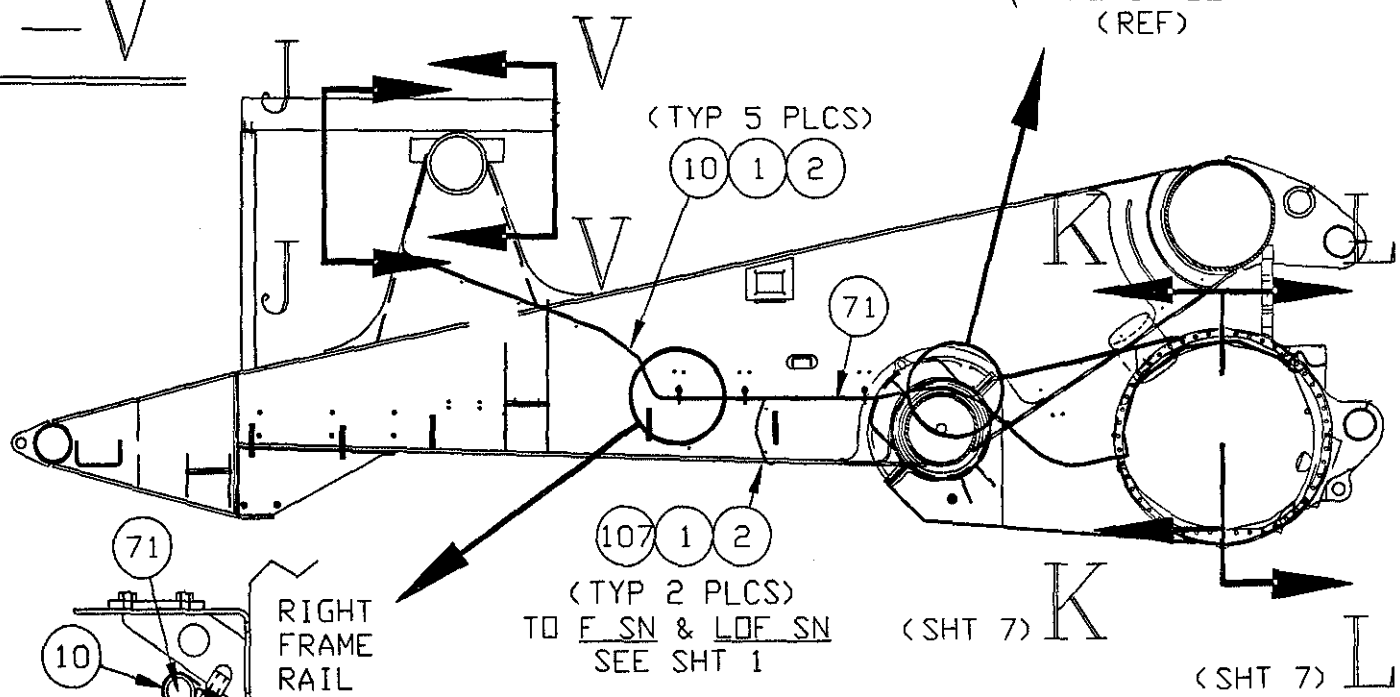
1B2 FROM BOLTED CONNECTION AT BATP HANGOUT TO T1

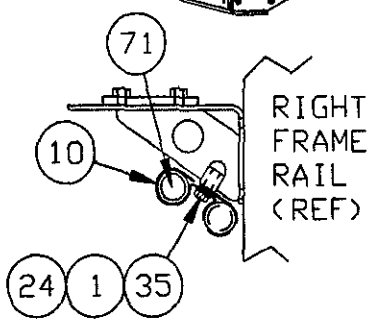
VIEW V—V



VIEW J—J







VIEW C—C

VIEW TYP 3 PLCS

TEREX UNIT RIG

24 VOLT ELECTRICAL

SHEET 4 OF 15

A86224

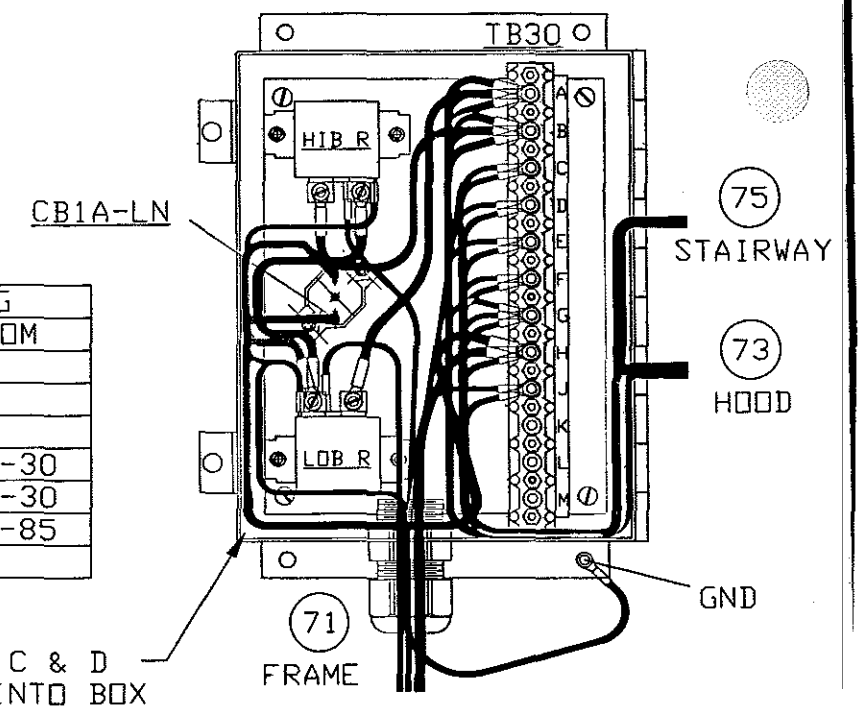
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ENG. APP.
REL. CK.

RELAY VS. FRAME HARNESS WIRE #	
RELAY	WIRE #
LOB R-86	11B2
HIB R-86	11C3

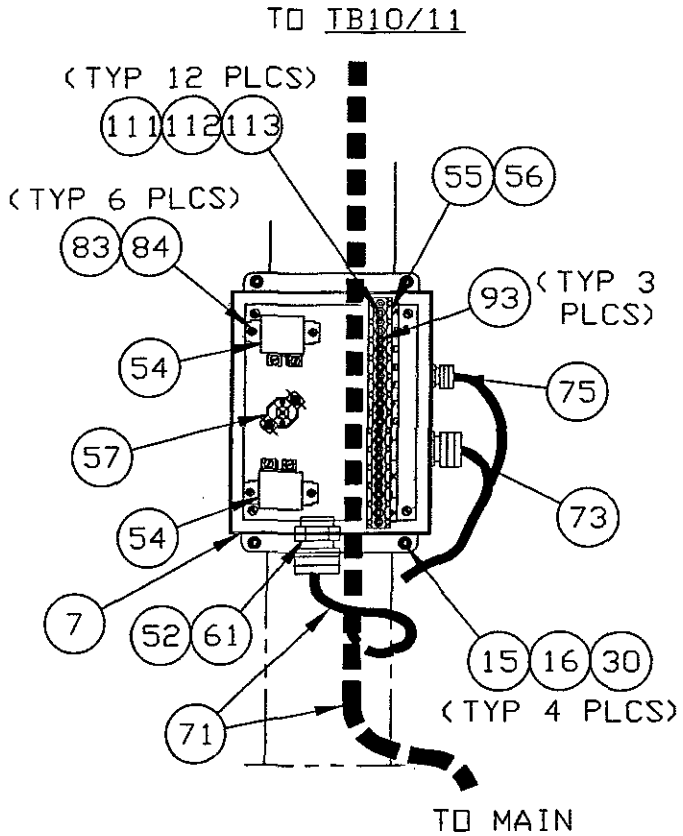
INTERNAL DEVICE WIRING		
WIRE #	TO ◄	► FROM
11B5	LOB R-87 ---	TB30A
11C6	HIB R-87 ---	TB30B
1P2	CB1A-LN ----	TB30H
10AA1	CB1A-LD ----	LOB R-30
10AA2	LOB R-30 ---	HIB R-30
X30L	LOB R-85 ---	HIB R-85
X30K	LOB R-85 ---	GND



TB30 WIRING

TB30 VS. HARNESS WIRE #			
TB30	FRAME	STAIRWAY	HOOD
A			11B3 11B4 11B5 11B6 11B7
B			11C4 11C5 11C6* 11C7 11C8
C	20D2	20D3	
D	21G2	21G3	
E	21A2	21A3	
F		22A1	22A2
G		21D1	21D3 21D2
H	1P1	1P3	1P2*
J	1R3	1R1	
K			
L			
M			

* = INTERNAL WIRES



VIEW F — F
TB30 ASSEMBLY

TEREX
UNIT RIG

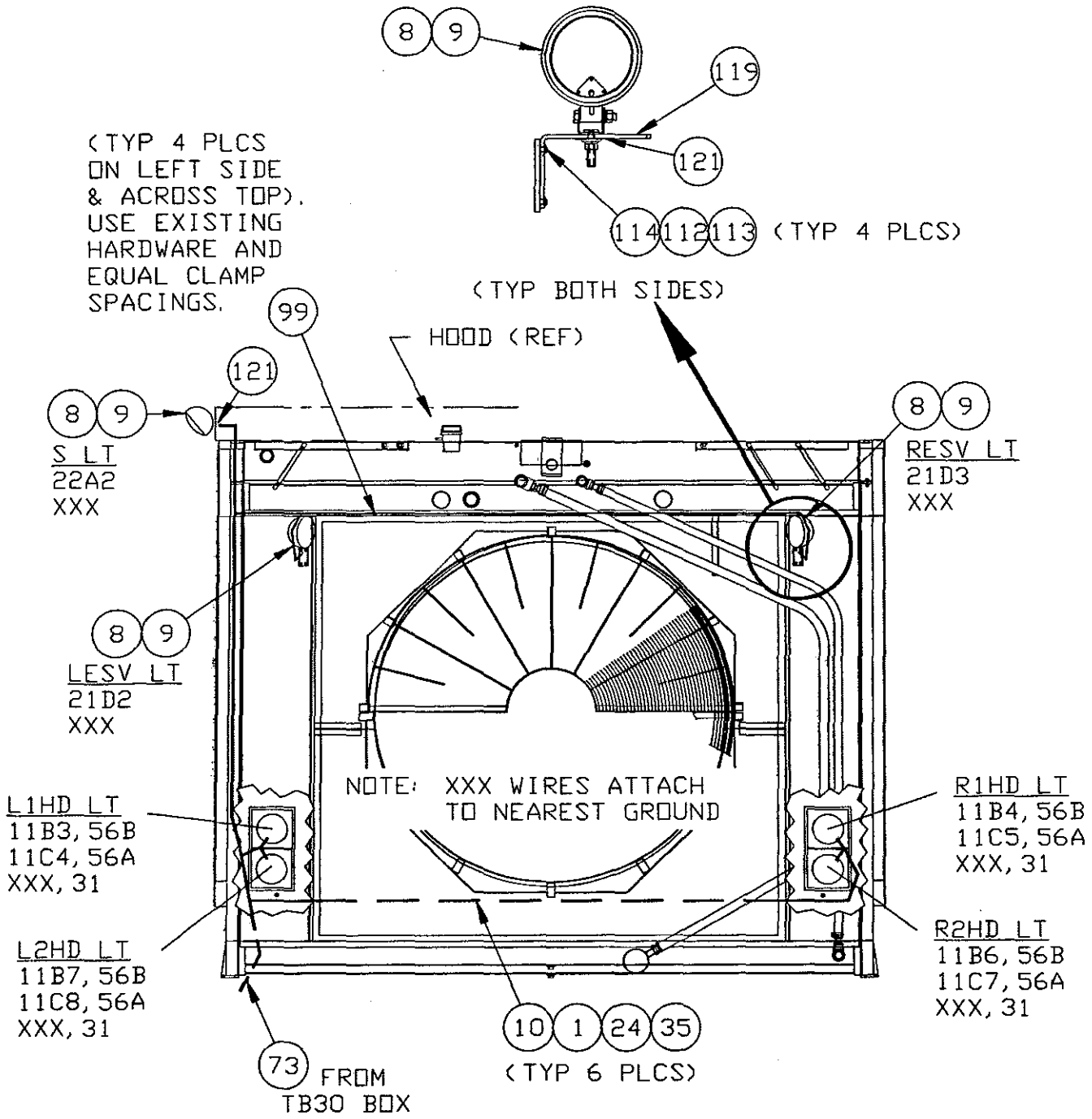
24 VOLT ELECTRICAL

SHEET 5 OF 15

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93730
E.N. NO.

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VIEW G — G

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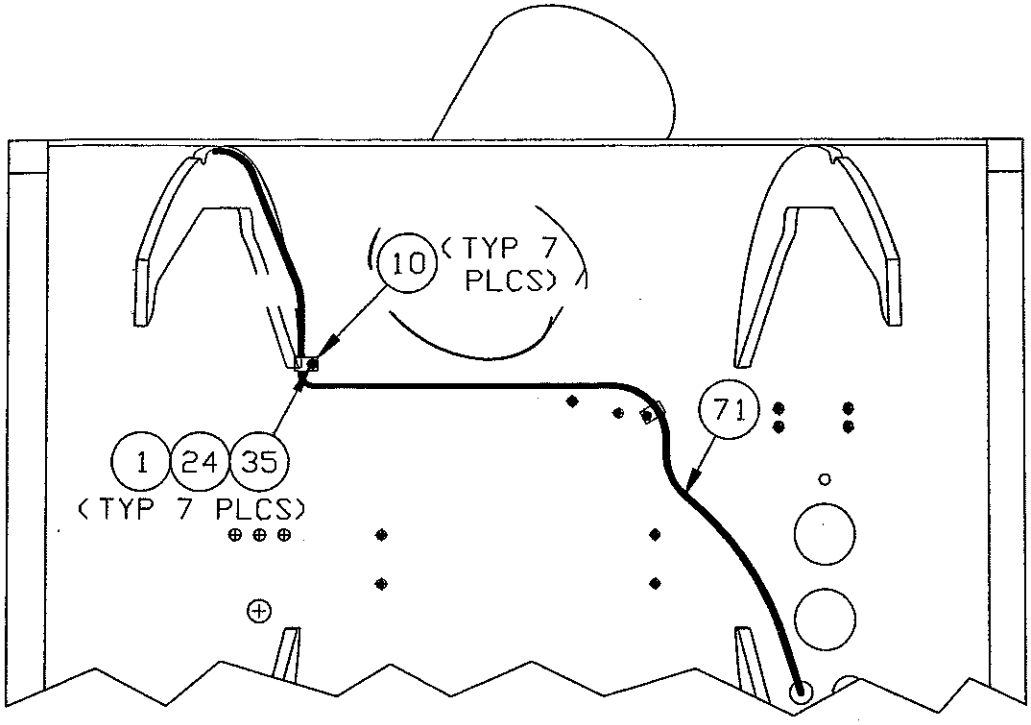
24 VOLT ELECTRICAL

SHEET 6 OF 15

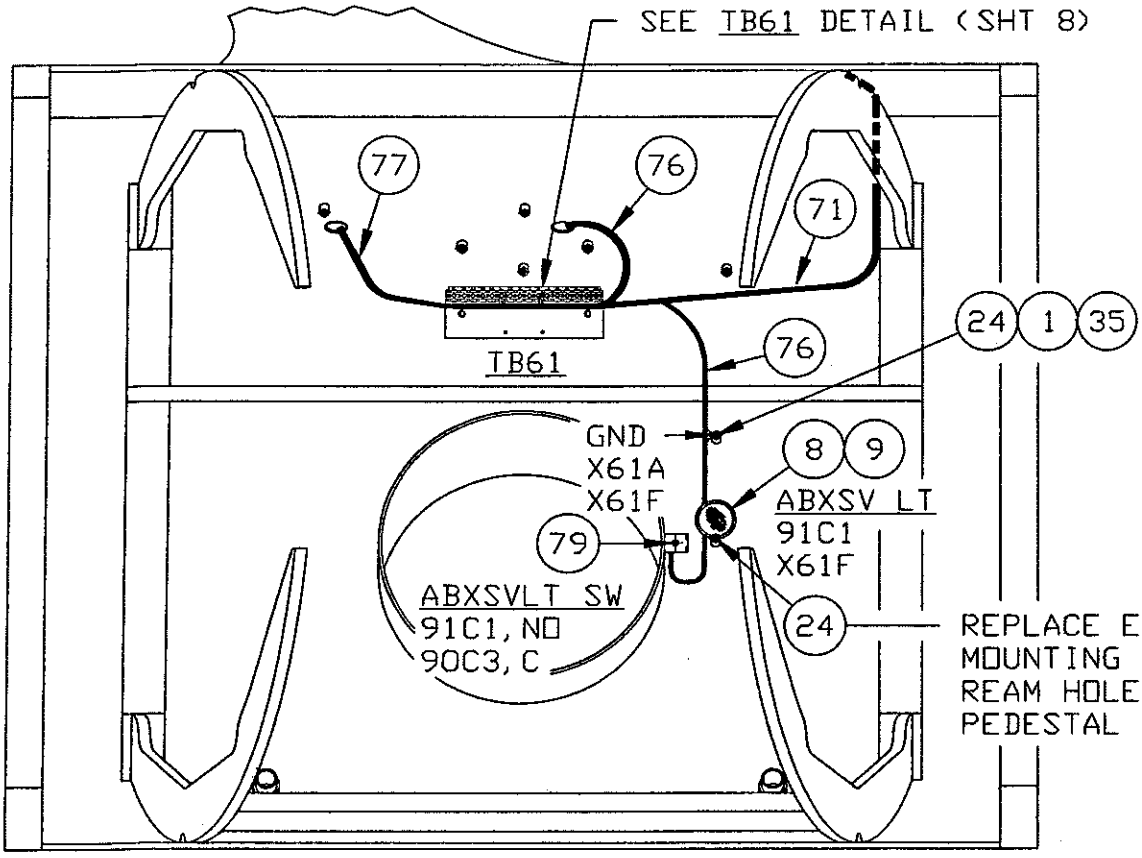
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VIEW K–K



VIEW L–L

TEREX
UNIT RIG

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ENG. APP.
REL. CK.
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93730
E.N. NO.

24 VOLT ELECTRICAL

SHEET 7 OF 15

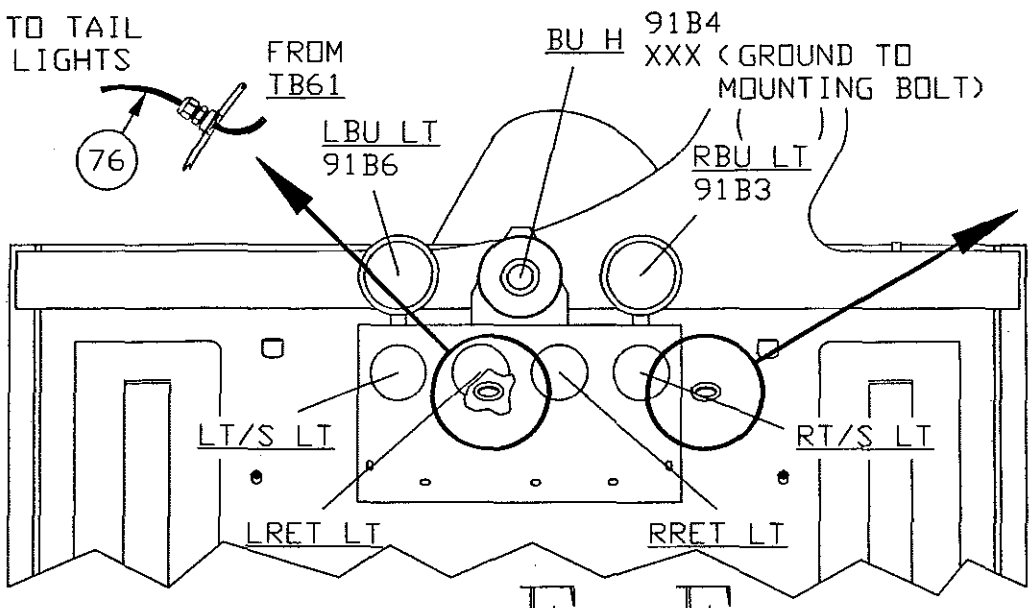
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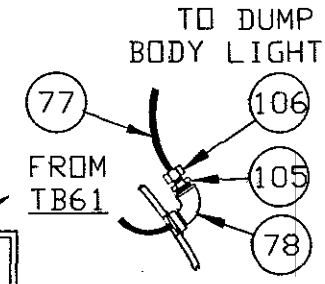
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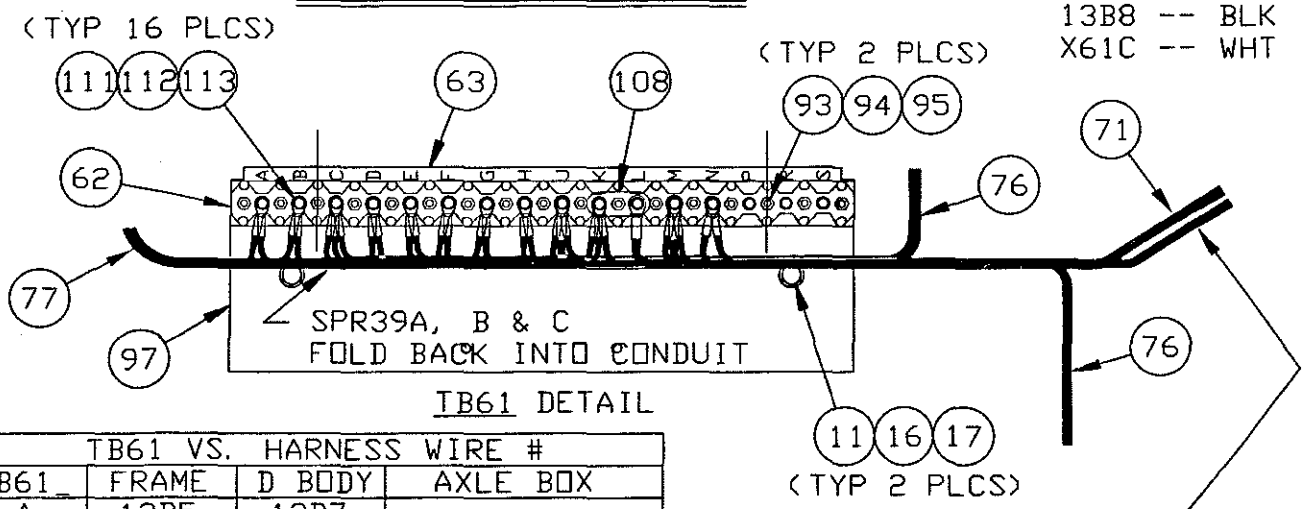
VIEW E—E



SEE HEAD/TAIL & CLEARANCE LIGHT ASSY FOR CONDUIT TO BODY LIGHTS - WIRING CONNECTIONS

LRT/C LT
- 12B5 -- RED
- 13B7 -- BLK
- X61B -- WHT

RRT/C LT
- 12F5 -- RED
- 13B8 -- BLK
- X61C -- WHT



TB61 DETAIL

TB61 VS. HARNESS WIRE #			
TB61_	FRAME	D BODY	AXLE BOX
A	13B5	13B7	
B	12B4	12B5	
C	13B3		BLK(LT/S-LT) BLK(RT/S-LT)
D	12C2		RED(LT/S-LT)
E	12E2		RED(RT/S-LT)
F	13B6	13B8	
G	12F4	12F5	
H	90C2		90C3
J	91B2		91B3 91B4 91B6
K		X61B X61C	WHT(LT/S-LT) WHT(RT/S-LT)
L			X61A
M			(----) RED(LRET-LT) RED(RRET-LT)
N			(----) WHT(LRET-LT) WHT(RRET-LT)
P			
R			
S			

SEE POWER & EXCITATION FOR APPLICABLE WIRE NO.

TEREX UNIT RIG

24 VOLT ELECTRICAL

SHEET 8 OF 15

A86224

BI115389

A86224

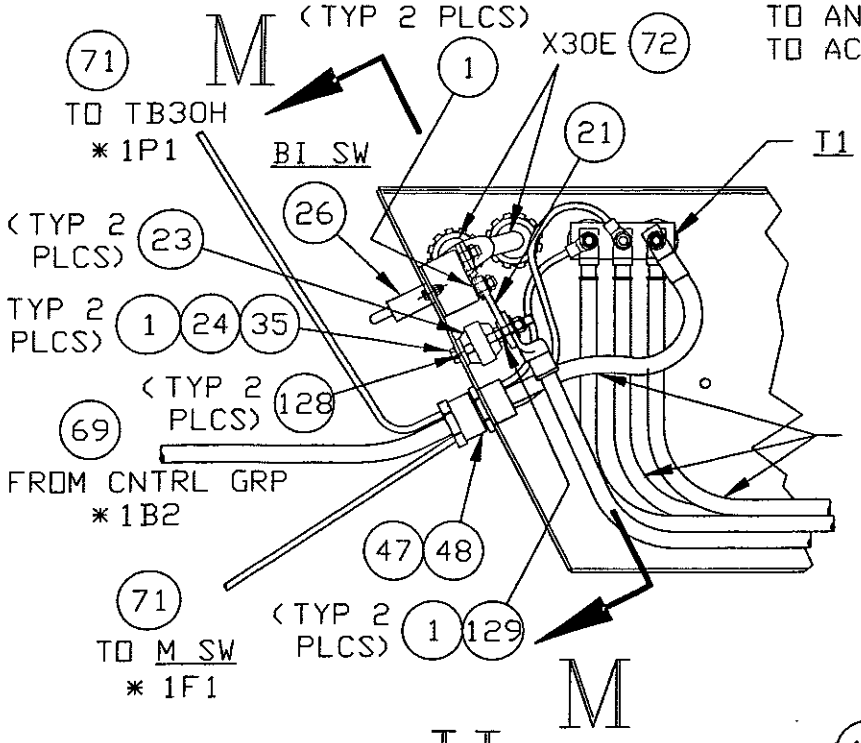
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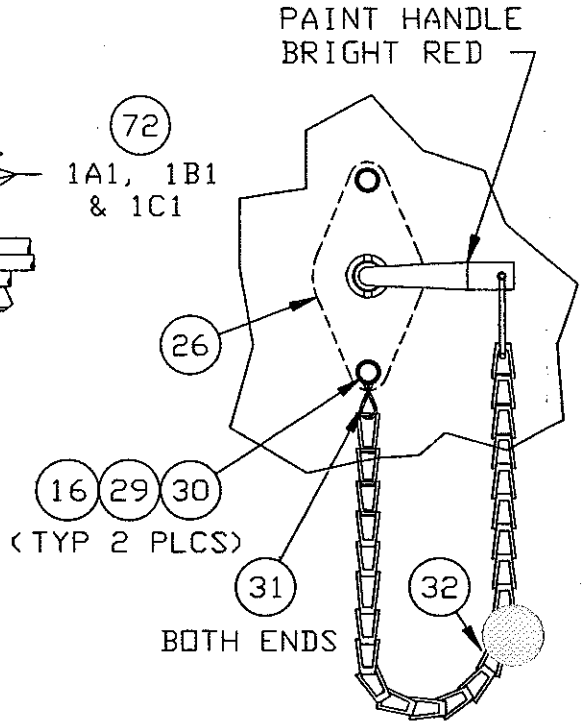
93982
93730
E.N. NO.

USE AS REQ'D FOR SHIMMING (TYP 2 PLCS)

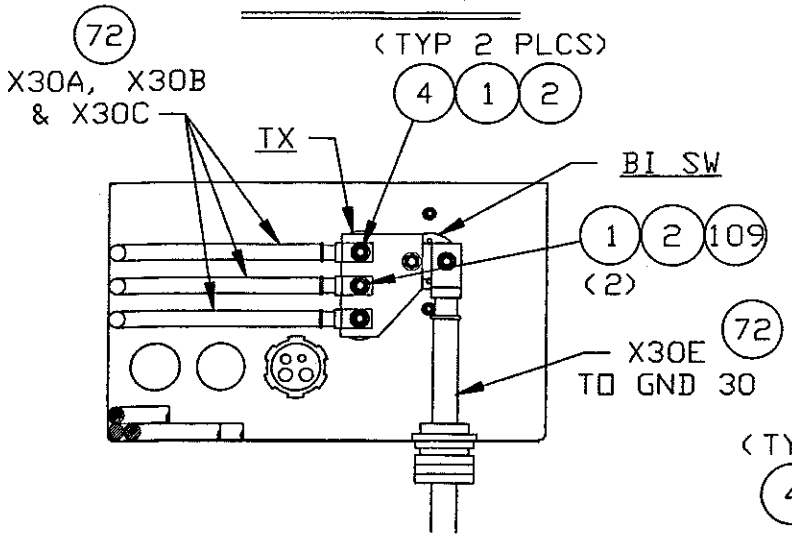
* CONNECTION TO T1 MAY BE MADE TO ANY OF 3 POINTS AVAILABLE TO ACCOMMODATE WIRE ROUTING



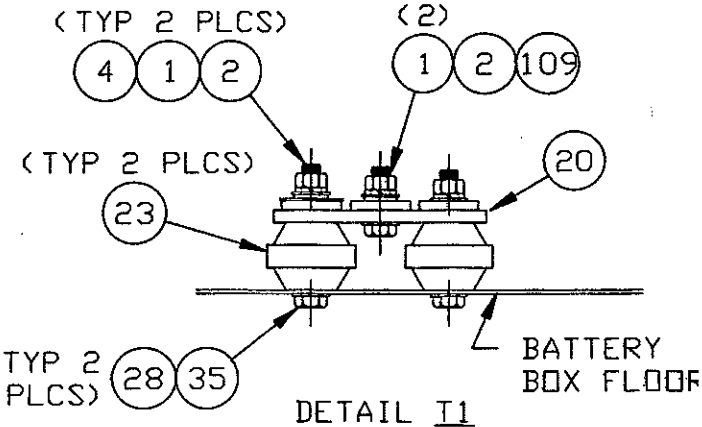
VIEW H



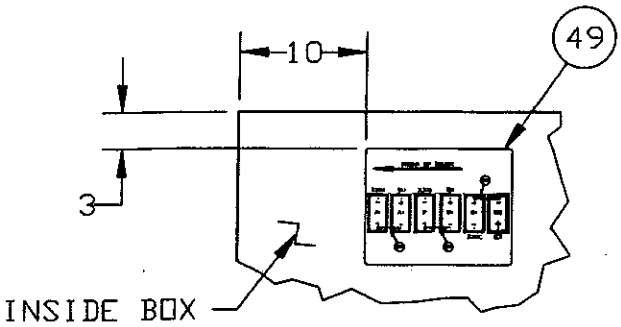
BATTERY ISOLATION SWITCH SASH CHAIN INSTALLATION



VIEW M—M



DETAIL T1



DECAL LOCATION

TEREX
UNIT RIG

24 VOLT ELECTRICAL

SHEET 9 OF 15

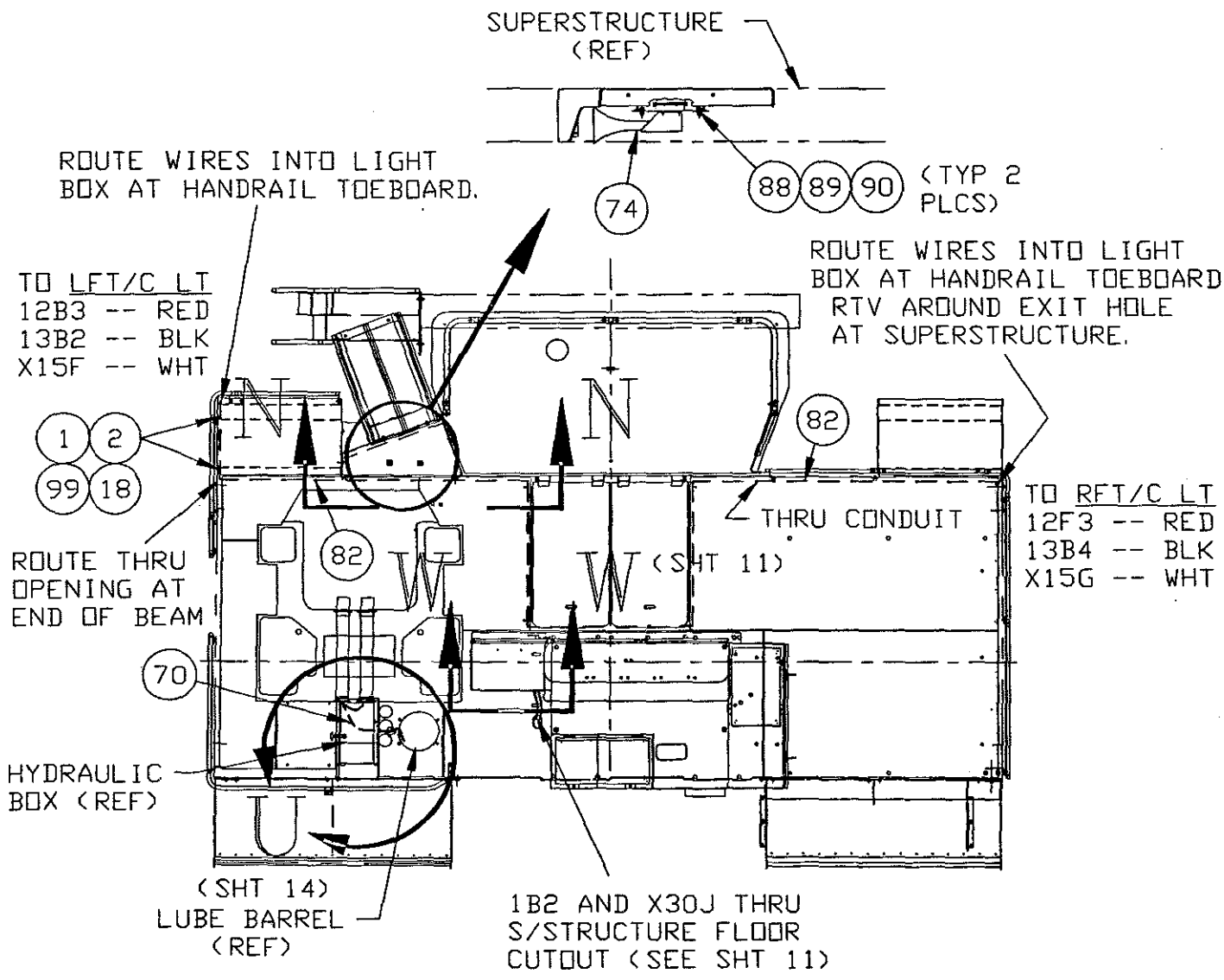
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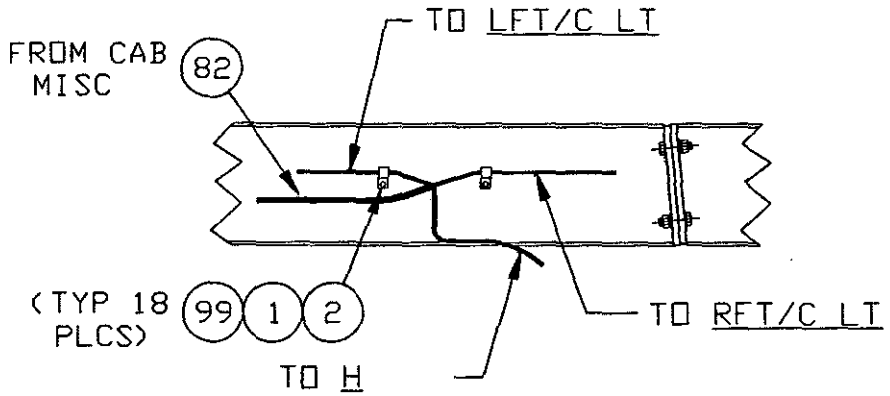
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BUTT SPLICE TO EXISTING PIGTAIL ON HOOTER AS FOLLOWS:
11D2 TO H (BLK)
10C2 TO H (RED)
HOOTER MOUNTED UNDER LADDER PLATFORM PER VIEW ABOVE.

VIEW N—N

TEREX UNIT RIG

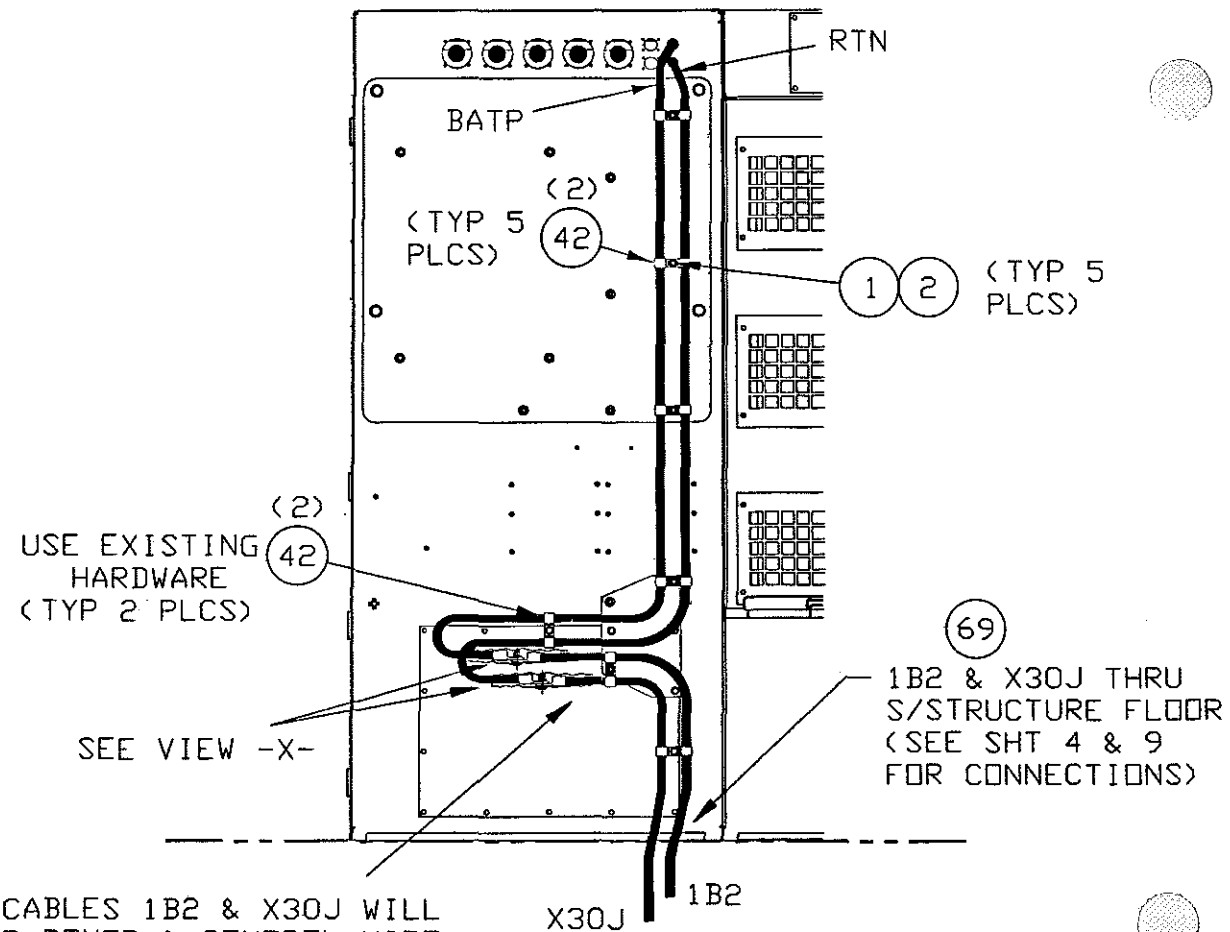
24 VOLT ELECTRICAL

SHEET 10 OF 15

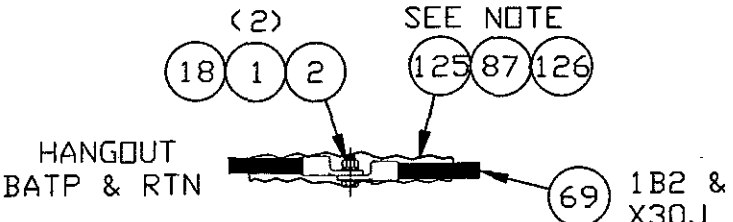
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VIEW W-W



VIEW X

(TYP 2 PLCS)

NOTE:
INSULATE BOLTED CONNECTION BY WRAPPING ENTIRE LENGTH WITH VINYL TAPE, THEN COVER WITH AN INSULATED PAD, AND SEAL WITH HEAT-SHRINKABLE TUBING.

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E.N. NO.

TEREX UNIT RIG

24 VOLT ELECTRICAL

SHEET 11 OF 15

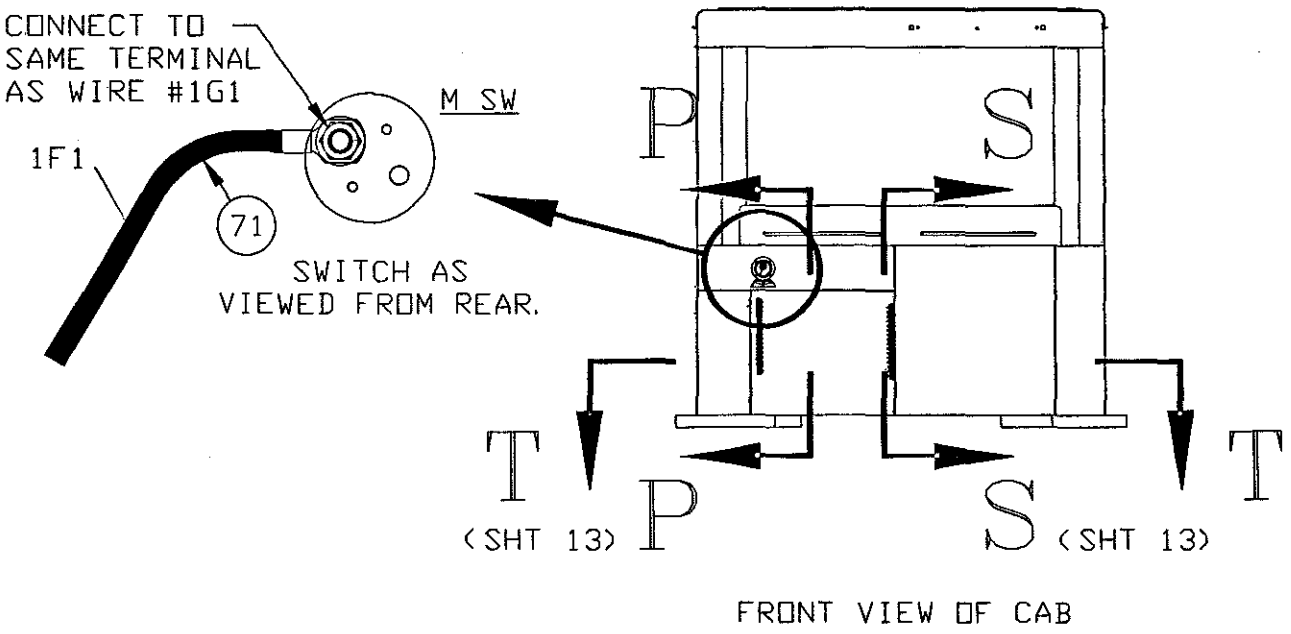
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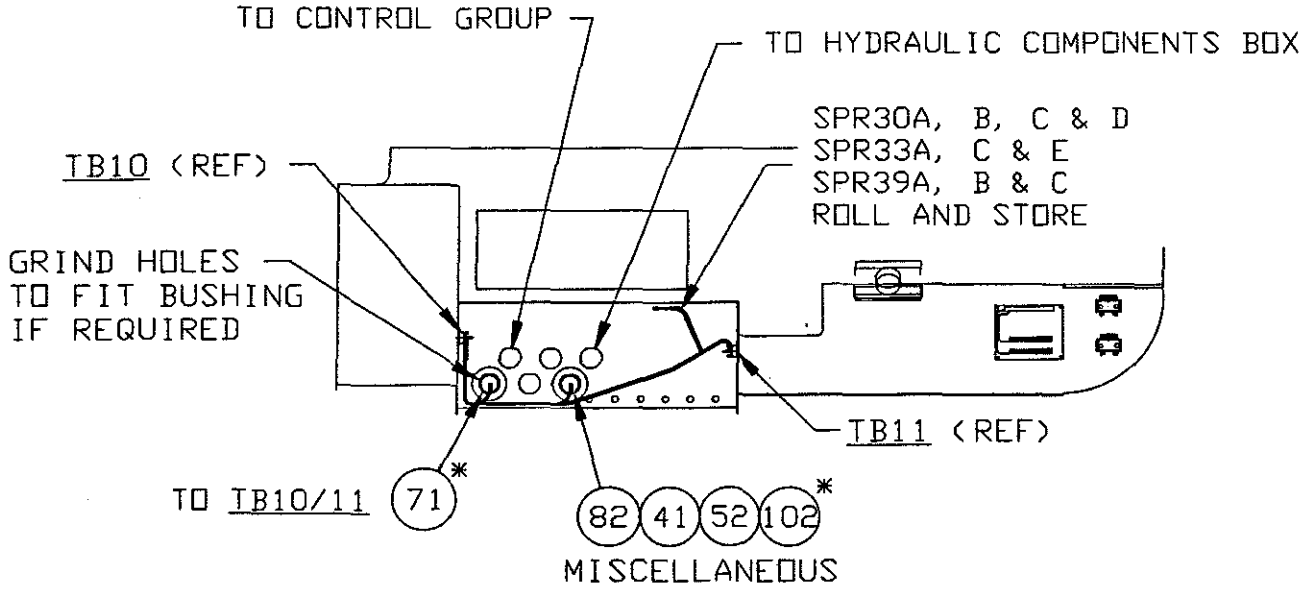
ALVERT-TEREX

DR. MASSIE
ENG. APP.
REL. CK.



FRONT VIEW OF CAB

SEE CAB HARNESS INSTALLATION FOR CONTROL GROUP AND HYDRAULIC COMPONENTS BOX INTERFACING.



VIEW T—T

* NOTE: DOUBLE NUT BUSHING TO CAB FLOOR.

93982
93730
E.N. NO.

TEREX
UNIT RIG

24 VOLT ELECTRICAL

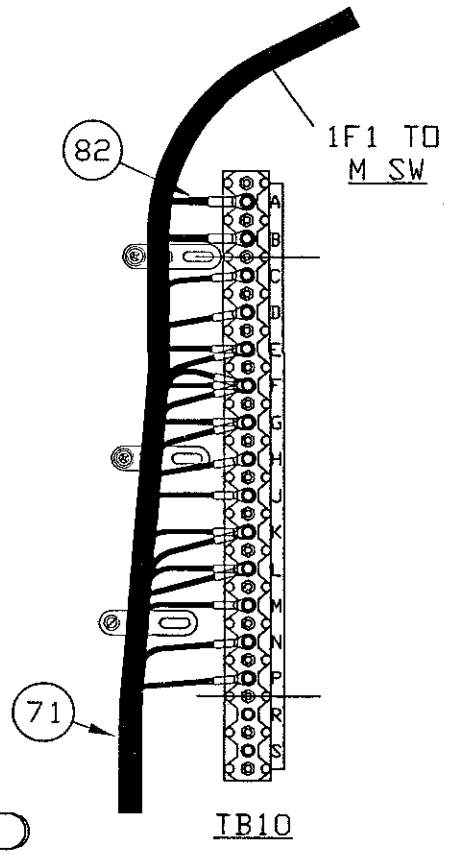
SHEET 12 OF 15

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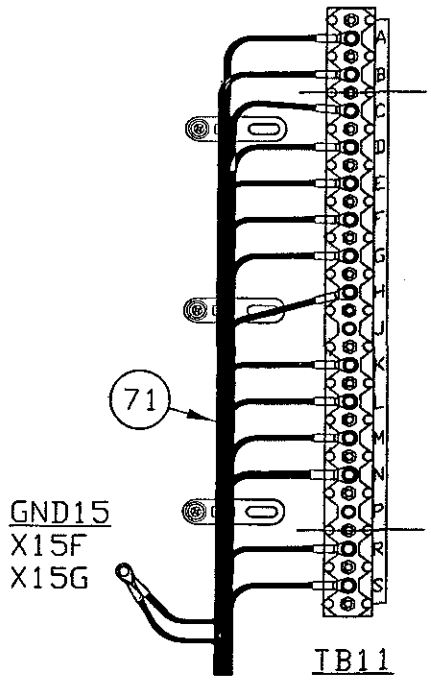
TB10 VS. HARNESS WIRE #		
TB10_	FRAME	S/STRUCT
A		10C2
B		11D2
C	11B2	
D	11C3	
E	13B5 13B6	
F	13B3	13B2 13B4
G	12B4	12B3
H	12C2	
J	12E2	
K	12F4	12F3
L	X16A X16AD	
M	31C2	
N	30D2	
P	31E2	
R		
S		



TB10

VIEW P-P

TB11 VS. HARNESS WIRE #	
TB11_	FRAME
A	21G2
B	21A2
C	20D2
D	90C2
E	50F2
F	51F1
G	1R3
H	22G2
J	
K	51D2
L	30J2
M	31K2
N	91B2
P	
R	
S	



TB11

VIEW S-S

TIE WRAP HARNESS WIRES TO EXISTING CAB HARNESS WIRES

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REL. CK.
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93730
E.N. NO.

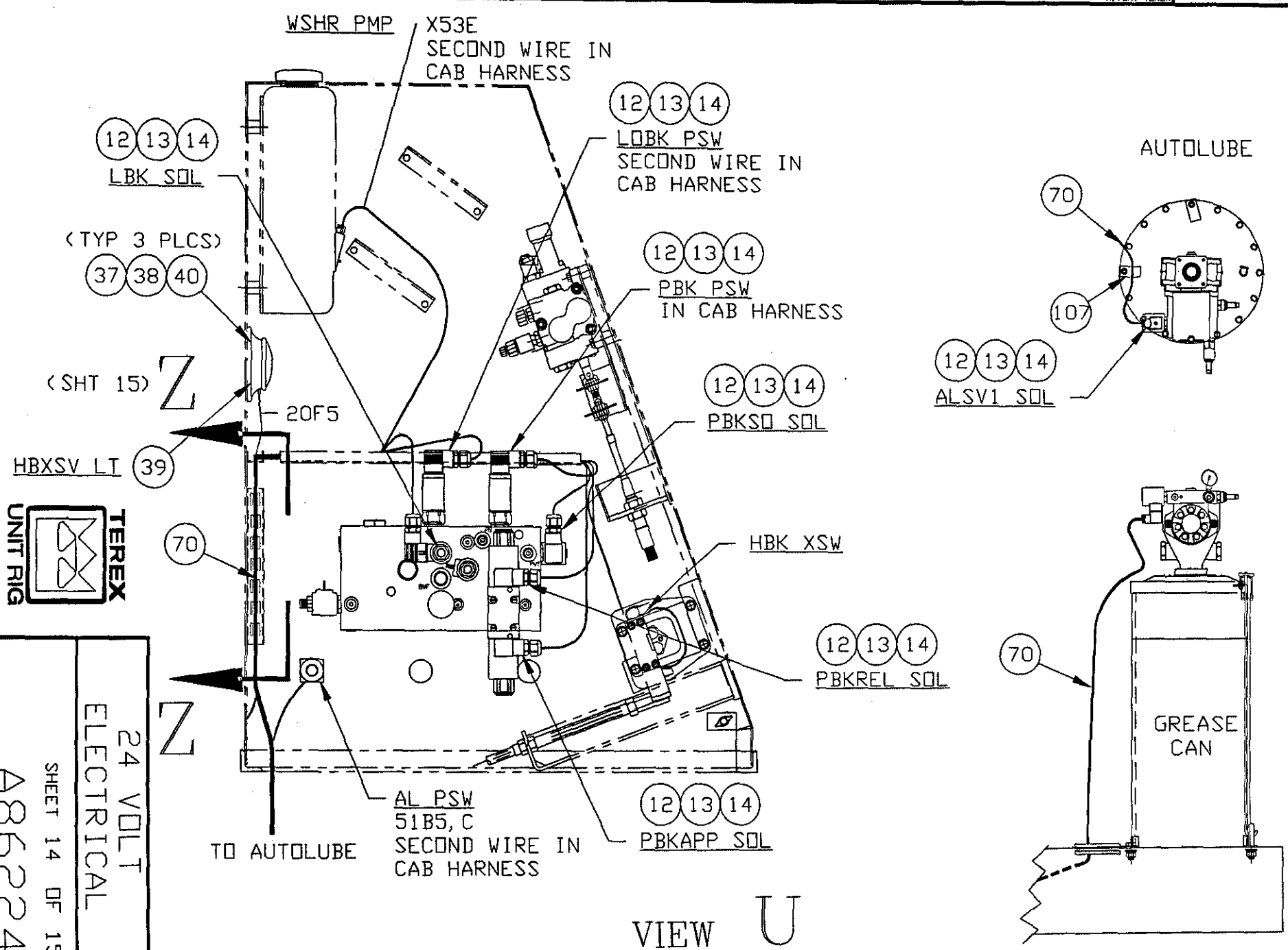
TEREX
UNIT RIG

24 VOLT ELECTRICAL

SHEET 13 OF 15

A86224

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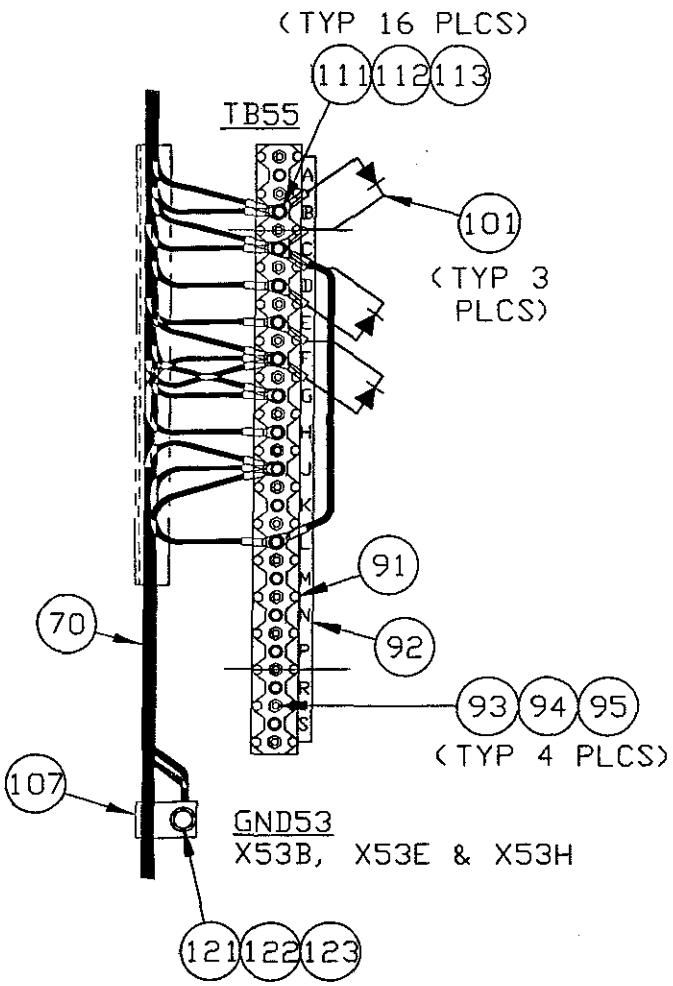
24 VOLT ELECTRICAL

SHEET 14 OF 15

A86224

BI115389

A86224



TB55 VS. HARNESS WIRE #	
TB55_	HYD BOX
A	
B	25B1 25B3
C	25A5 25A6 JUMP
D	25C1
E	21C3
F	X53A X53B X53C X53D
G	20F2 20F5
H	21H2
J	51B4 51B5
K	
L	25A7 JUMP
M	
N	
P	
R	
S	

VIEW Z—Z

SEE CAB HARNESS INSTALLATION FOR HYDRAULIC COMPONENTS BOX INTERFACING.

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UNIT RIG

24 VOLT ELECTRICAL

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ITM	QTY	UM	COMPONENT	DESCRIPTION
1	9		10164	WASHER, FL, 3/8 X 1 OD, ZP
1	52		10164	WASHER, FL, 3/8 X 1 OD, ZP
1	27		10164	WASHER, FL, 3/8 X 1 OD, ZP
1	11		10164	WASHER, FL, 3/8 X 1 OD, ZP
1	6		10164	WASHER, FL, 3/8 X 1 OD, ZP
1	1		10164	WASHER, FL, 3/8 X 1 OD, ZP
2	38		17413	NUT-HEX, FLXLC 3/8-16
2	25		17413	NUT-HEX, FLXLC 3/8-16
2	2		17413	NUT-HEX, FLXLC 3/8-16
2	10		17413	NUT-HEX, FLXLC 3/8-16
4	5		79022B	ROD, ALL THRD, 3/8-16NC X 2" LG
5	11		18367	CLAMP-CUSHION 1-1/4
7	1		84514K	BOX, JUNCTION (TB30)
8	1		55951	LAMP, SEAL BEAM
8	1		55951	LAMP, SEAL BEAM
8	2		55951	LAMP, SEAL BEAM
9	1		56452	HOUSING-LIGHT
9	1		56452	HOUSING-LIGHT
9	2		56452	HOUSING-LIGHT
10	11		17141	CLAMP-CUSHION 7/8 ID
10	19		17141	CLAMP-CUSHION 7/8 ID
10	6		17141	CLAMP-CUSHION 7/8 ID
11	2		10001	CAPSCREW, HX, 1/4-20NC X 3/4 GR 5
12	9	R	55943	CONNECTOR-1/2NPTF DIN 43650
13	9	R	55944	GASKET DIN 43650 CONN.
14	9	R	84693C	GRIP (DWG 84693A-Z) 1/2" STR - PVC PIPE
15	4		10002	CAPSCREW, HX, 1/4-20NC X 1 GR 5
16	6		10162	WASHER, FL, 1/4 X 0.625 OD
16	2		10162	WASHER, FL, 1/4 X 0.625 OD
17	2		10178	WASHER, LK, HELI, 1/4 X .489 OD
18	2		10012	CAPSCREW, HX, 3/8-16NC X 1 GR 5
18	3		10012	CAPSCREW, HX, 3/8-16NC X 1 GR 5
20	1		84372A	BUS BAR
21	1		84372C	BUS BAR
23	4		23177	INSULATOR SHUNT
24	7		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
24	2		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5

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TEREX MINING

24V ELECTRICAL ASSY

A86224A

ITM	QTY	UM	COMPONENT	DESCRIPTION
24	6		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
24	6		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
26	1	*	55580 *	SWITCH, BATTERY MASTER 24VDC 2500A @ 10 SEC. 250A CONTINUOUS.
28	2		16342	CAPSCR, HX, 3/8-16NC X 1/2 GR 5
29	2		10002	CAPSCREW, HX, 1/4-20NC X 1 GR 5
30	6		15675	NUT-HX, CRNLK 1/4-20NC STD GR B
31	2		28970	HOOK-WIRE
32	36	IN	14238	CHAIN-BULK #8 SASH
35	8		10180	WASHER, LK, HELI, 3/8 X .683 OD
35	7		10180	WASHER, LK, HELI, 3/8 X .683 OD
35	1		10180	WASHER, LK, HELI, 3/8 X .683 OD
35	6		10180	WASHER, LK, HELI, 3/8 X .683 OD
35	1		10180	WASHER, LK, HELI, 3/8 X .683 OD
37	3		15874	SCREW, MACH, RHD, 6-32NC X 1 GR 2
38	3		25253	NUT-LOCK HX 6-32NC
39	1		900503	DOME LIGHT (24 DVC)
40	3		22068	WSHR, FL, #6 X .375OD X .375 OD
41	1		22129	BUSHING, 1-1/4 NPT X 1 NPT FS 6000PSI HEX
42	14		19083	CLAMP-CUSHION 3/4
42	4		19083	CLAMP-CUSHION 3/4
44	1		16787	GUARD-METAL SWITCH
47	1		24750	GRIP, SEAL 1-1/2NPT 1-1/8 - 1-1/4 DIA CABLE
48	1		84717F	LOCKNUT (DWG 84717A-Z) 1-1/2 NPT
49	1		84395A	DECAL, BATTERY BOX
52	1		84693H	GRIP (DWG 84693A-Z) 1" STR - PVC PIPE
52	1		84693H	GRIP (DWG 84693A-Z) 1" STR - PVC PIPE
54	2		55962	RELAY-POWER, 24VOLT
55	1		24121	TERMINAL STRIP
56	1		24717	MARKER TERMINAL A-M
57	1		20167	BREAKER-CIRCUIT

*SEE SERVICE PARTS

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ITM	QTY	UM	COMPONENT	DESCRIPTION
58	1		21546	SWITCH SPST MOMENTARY
61	1		84717C	LOCNUT (DWG 84717A-Z) 1" NPT
62	1		28309	BOARD TERMINAL
63	1		28310	MARKER TERMINAL
65	1		85140F	NAMEPLATE, INTERNATIONAL ENGINE SHUTDOWN STAIRWAY LIGHT ENGINE SERVICE LIGHTS
66	1		79022G	ROD, ALL-THRD, 3/8-16NC X 3 LG (GR 5)
67	2		55578	SWITCH-TOGGLE SPDT 3-WAY FOR STAIRWAY LIGHT. MS35058-23. MIL-S-3905B.
69	1		86157C	KIT, BATTERY CABLE CONNECTS CONTROL GROUP
70	1		84883K	WIRE HARNESS ASSEMBLY HYDRAULIC CABINET
71	1		84274W	WIRE HARNESS ASSEMBLY FRAME
72	1		86157B	KIT, BATTERY CABLE CONNECTS BATTERIES
73	1		84274M	WIRE HARNESS ASSEMBLY HOOD
74	1		55617	HORN-ELECTRIC, 24VDC 24VDC 114DB @ 10'
75	1		84274N	WIRE HARNESS ASSEMBLY STAIRWAY
76	1		84274Y	WIRE HARNESS ASSEMBLY AXLE BOX
77	1		84274K	WIRE HARNESS ASSEMBLY DUMP BODY
78	1		19994	ELBOW-STREET, 1"NPT, 3000 PSI
79	1		21382	SWITCH TOGGLE
82	1		84274Z	WIRE HARNESS ASSEMBLY S/STRUCTURE
83	6		52336	SCR, MACH, PNH, 10-32NF X 1/2 GR 2
84	6		28537	WASHER, LK, HELI, #10 X .334 OD
87	1		29928	INSL PAD ADHESIVE
87	2		29928	INSL PAD ADHESIVE
88	2		10028	CAPSCREW, HX, 1/2-13NC X 1-1/4 GR 5
89	2		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
90	2		22465	WASHER, FL, 1/2

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ITM	QTY	UM	COMPONENT	DESCRIPTION
91	1		28309	BOARD TERMINAL
92	1		28310	MARKER TERMINAL
93	3		25650	SCREW, MACH, RHD, 6-32NC X 5/8 GR 2
93	2		25650	SCREW, MACH, RHD, 6-32NC X 5/8 GR 2
93	4		25650	SCREW, MACH, RHD, 6-32NC X 5/8 GR 2
94	2		25253	NUT-LOCK HX 6-32NC
94	2		25253	NUT-LOCK HX 6-32NC
94	4		25253	NUT-LOCK HX 6-32NC
95	2		22068	WSHR, FL, #6 X .375OD X .375 OD
95	2		22068	WSHR, FL, #6 X .375OD X .375 OD
95	4		22068	WSHR, FL, #6 X .375OD X .375 OD
97	1		76745B	BRACKET, TERM BOARD
99	8		56296	CLAMP, CUSHION 3/8"
99	18		56296	CLAMP, CUSHION 3/8"
99	8		56296	CLAMP, CUSHION 3/8"
101	3		1102852	DIODE ASSEMBLY
102	2		16821	LOCKNUT CONDUIT 1-1/4"
105	1		10197	BUSHING-1 X 1/2 NPT MI 150PSI HEX
106	1		53410	CONNECTOR 1/2 PVC CONDUIT BULKHEAD
107	1		18666	CLAMP LOOP 19/32 I. D.
107	5		18666	CLAMP LOOP 19/32 I. D.
107	1		18666	CLAMP LOOP 19/32 I. D.
108	1		56275	JUMPER, TERMINAL BOARD
109	2		10013	CAPSCREW, HX, 3/8-16NC X 1-1/4 GR 5
110	2		10455	SCREW, MACH, RHD, 6-32NC X 3/4 GR 2
111	12		12867	NUT-HEX, 10-32
111	16		12867	NUT-HEX, 10-32
111	16		12867	NUT-HEX, 10-32
112	16		22048	WASHER, FL#10 (SAE) X .437 OD
112	12		22048	WASHER, FL#10 (SAE) X .437 OD
112	16		22048	WASHER, FL#10 (SAE) X .437 OD
112	8		22048	WASHER, FL#10 (SAE) X .437 OD

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24V ELECTRICAL ASS'Y

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A86224A

ITM	QTY	UM	COMPONENT	DESCRIPTION
113	16		28537	WASHER, LK, HELI, #10 X .334 OD
113	12		28537	WASHER, LK, HELI, #10 X .334 OD
113	16		28537	WASHER, LK, HELI, #10 X .334 OD
113	8		28537	WASHER, LK, HELI, #10 X .334 OD
114	8		52336	SCR, MACH, PNH, 10-32NF X 1/2 GR 2
119	2		85192A	BRACKET, SERVICE LIGHT
120	1		1002152	GROMMET 11/16 ID X 1-5/16 OD FOR 1" HOLE 3/16 GRV
121	2		10163	WASHER, FL, 5/16, ZP X .687 OD
121	1		10163	WASHER, FL, 5/16, ZP X .687 OD
121	1		10163	WASHER, FL, 5/16, ZP X .687 OD
122	1		10649	CAPSCREW, HX, 5/16-18NC, ZP X 3/4 GR 5
123	1		10179	WASHER, LK, HELI, 5/16 X .586 OD
125	1	RL	913715	TAPE VINYL 3/4"
126	2		53416	TUBING-HEAT SHRINK OR SST 9-20
128	2		912944	WASHER, SPECL, HRDND 5/8 X 1-1/8 X 1.125 OD, 3/16" THK
129	2		10136	NUT, HX, JAM, 3/8-16NC, ZP STL GR 2
199 R	1		A86224	DWG ONLY, 24V ELECTRIC

MT4400AC W/ IGBT's

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24V ELECTRICAL ASSY

SHEET 5 OF 5

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A86225

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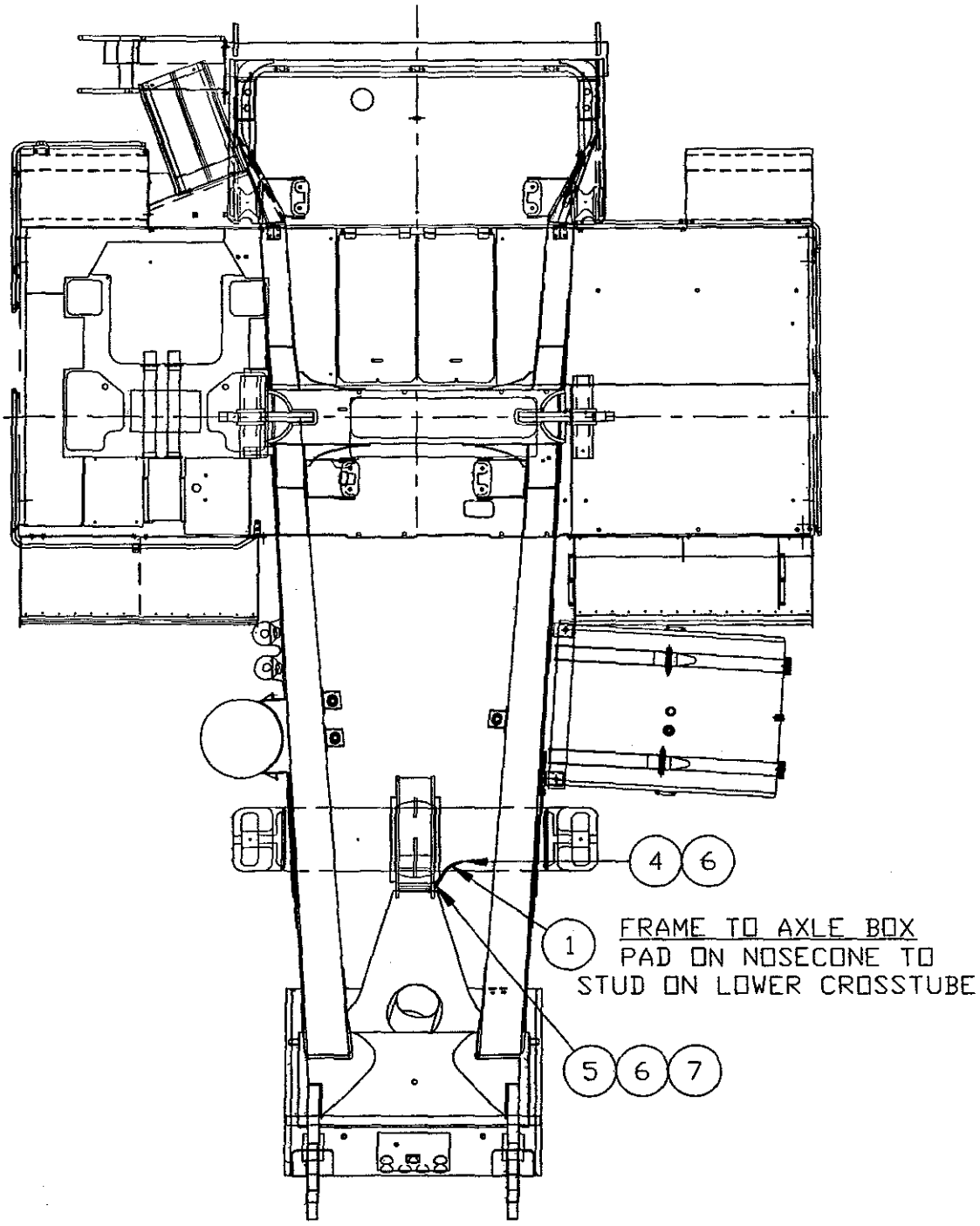
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E.N. NO.



GROUND CABLE LOCATIONS

FRAME TO:
- AXLE BOX -- SHT 1
- RADIATOR -- SHT 2
- S/STRUCTURE -- SHT 2
- ALT/ENGINE -- SHT 2

S/STRUCTURE TO:
- CAB -- SHT 3 OR 4
- GRID BOX -- SHT 3 OR 4
- CONTROL BOX -- SHT 3 OR 4

TEREX
UNIT RIG

GROUND CABLE ASSEMBLY

SHEET 1 OF 4

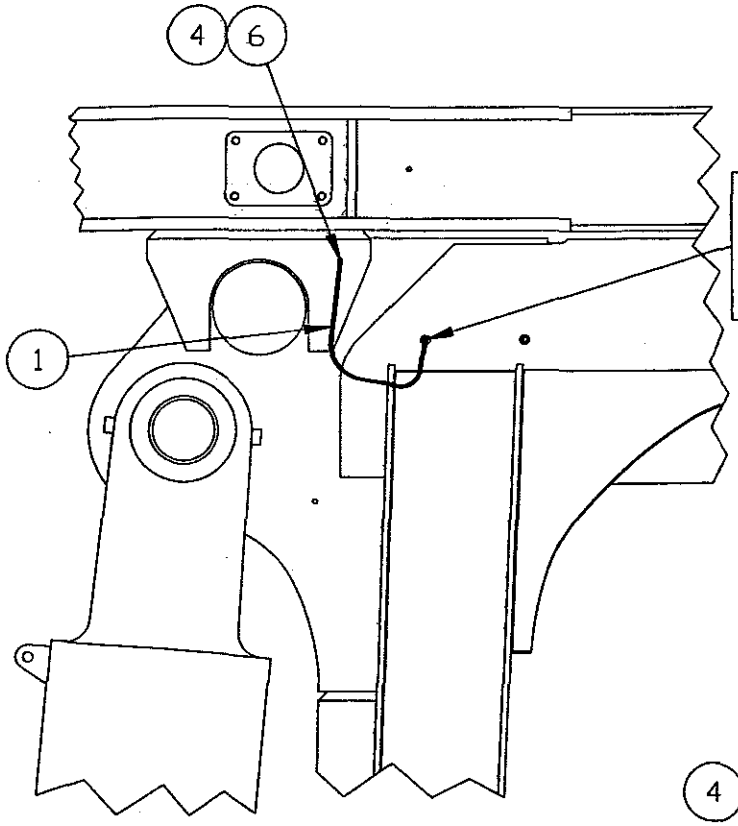
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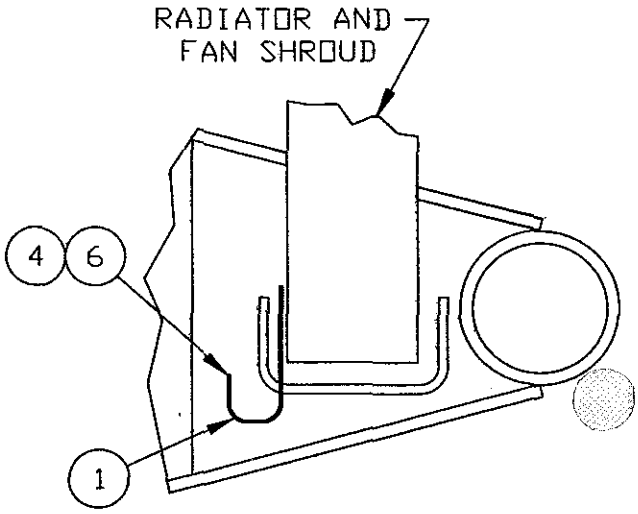
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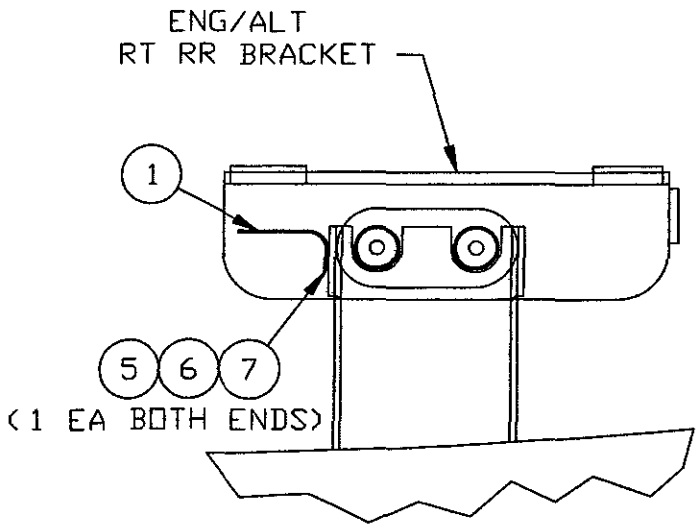


EXISTING HARDWARE (AC ONLY)
5 6 7 (DC ONLY)
DISCARD ANY UNUSED HARDWARE

FRAME TO S/STRUCTURE
PAD ON UPPER CROSSTUBE
TO STUD ON LT RR SADDLE



FRAME TO RADIATOR
STUD ON LT FRAME EXTENSION TO
NEAREST BOLT ON FAN SHROUD



FRAME TO ALT/ENGINE
PAD ON RT RR ENGINE MOUNT TO
PAD ON BOTTOM ENG/ALT BRACKET

FRONT OF TRUCK

TEREX
UNIT RIG

GROUND CAB ASSEMBLY

SHEET 2 OF 4

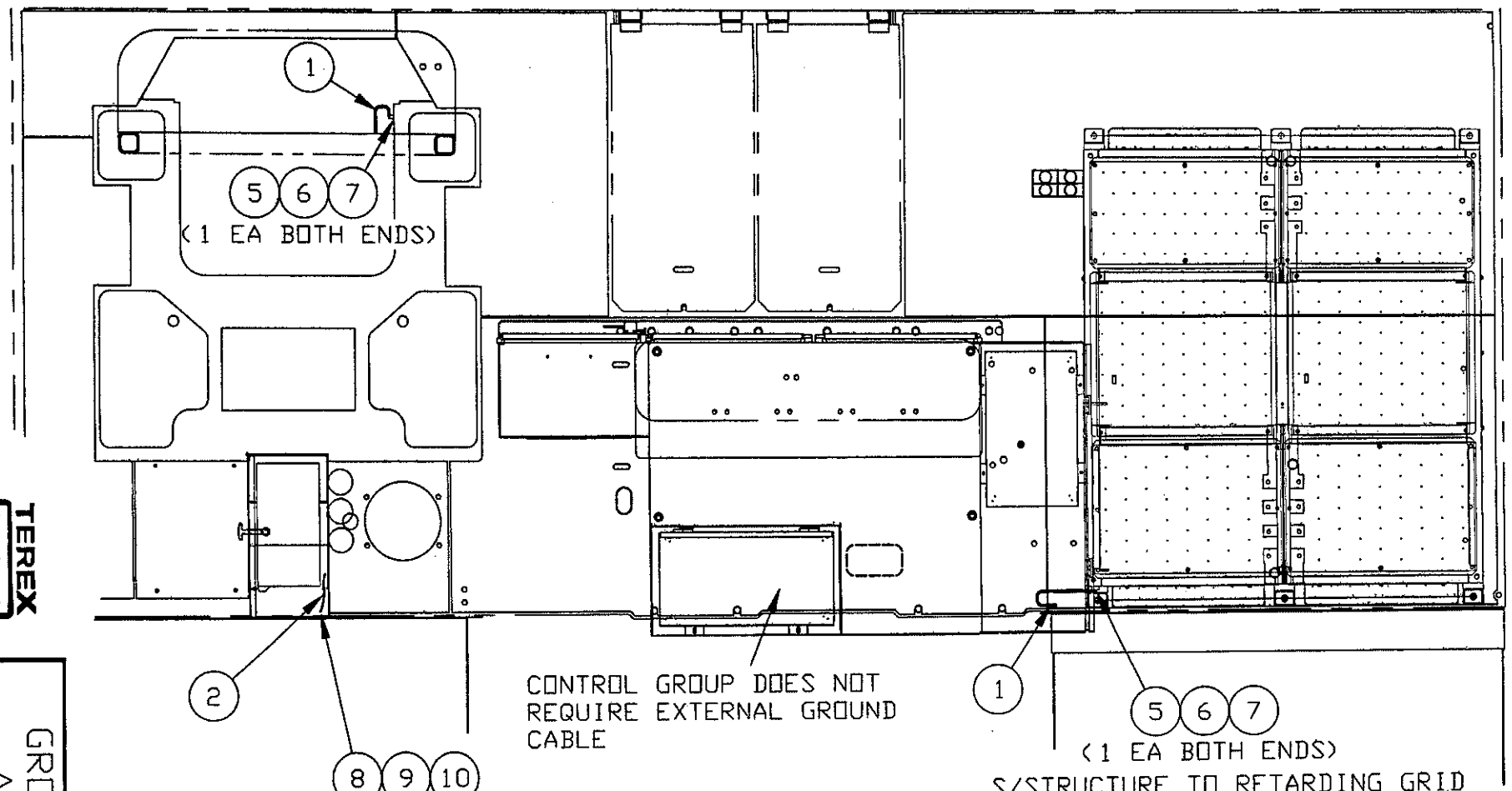
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ALVERT-TEREX A86225

S/STRUCTURE TO CAB
PAD ON CAB FRONT CROSSMEMBER
TO PAD ON PLATFORM SIDE PLATE



PAD IN HYDRAULIC BOX TO
EXISTING BOX MOUNTING HARDWARE

S/STRUCTURE TO RETARDING GRID
PAD ON RETARDER GRID BOX
TO PAD ON PLATFORM

TEREX UNIT RIG

GROUND CABLE ASSEMBLY

SHEET 3 OF 4

A86225

4400 'AC' CONFIGURATION

DISCARD ANY UNUSED COMPONENTS

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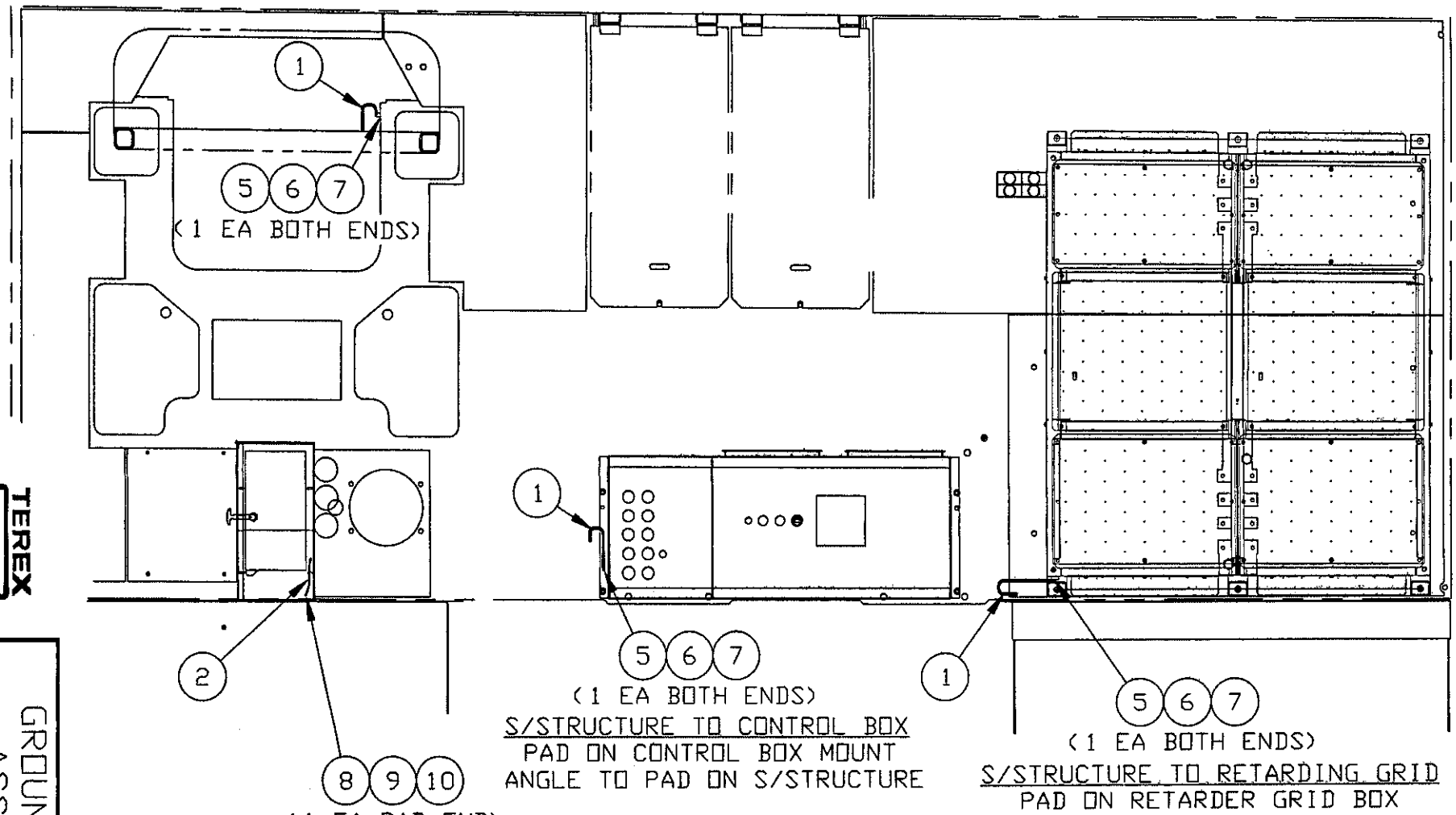
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S/STRUCTURE TO CAB
PAD ON CAB FRONT CROSSMEMBER
TO PAD ON PLATFORM SIDE PLATE



TEREX UNIT RIG

GROUND CAB ASSEMBLY

SHEET 4 OF 4

A86225

4400 'DC' CONFIGURATION

DISCARD ANY UNUSED COMPONENTS

BI115389

A86225A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		71899B	GROUND CABLE 325/24, LUG FOR 3/8" STUDS
1	3		71899B	GROUND CABLE 325/24, LUG FOR 3/8" STUDS
1	3		71899B	GROUND CABLE 325/24, LUG FOR 3/8" STUDS
2	1		71899F	GROUND CABLE 10GA. X 16 LG.
4	1		17413	NUT-HEX, FLXLC 3/8-16
4	2		17413	NUT-HEX, FLXLC 3/8-16
5	1		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
5	6		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
5	3		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
6	2		10164	WASHER, FL, 3/8 X 1 OD, ZP
6	6		10164	WASHER, FL, 3/8 X 1 OD, ZP
6	5		10164	WASHER, FL, 3/8 X 1 OD, ZP
7	1		10180	WASHER, LK, HELI, 3/8 X .683 OD
7	6		10180	WASHER, LK, HELI, 3/8 X .683 OD
7	3		10180	WASHER, LK, HELI, 3/8 X .683 OD
8	1		10001	CAPSCREW, HX, 1/4-20NC X 3/4 GR 5
9	1		10162	WASHER, FL, 1/4 X 0.625 OD
10	1		10178	WASHER, LK, HELI, 1/4 X .489 OD
99 R	1		A86225	DWG ONLY, GND CBL ASSY

FOR MT4400 - INVERTEX (AC SYSTEM) AND STATEX (DC SYSTEM)

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GROUND CABLE ASSEMBLY

SHEET 1 OF 1

A86225A

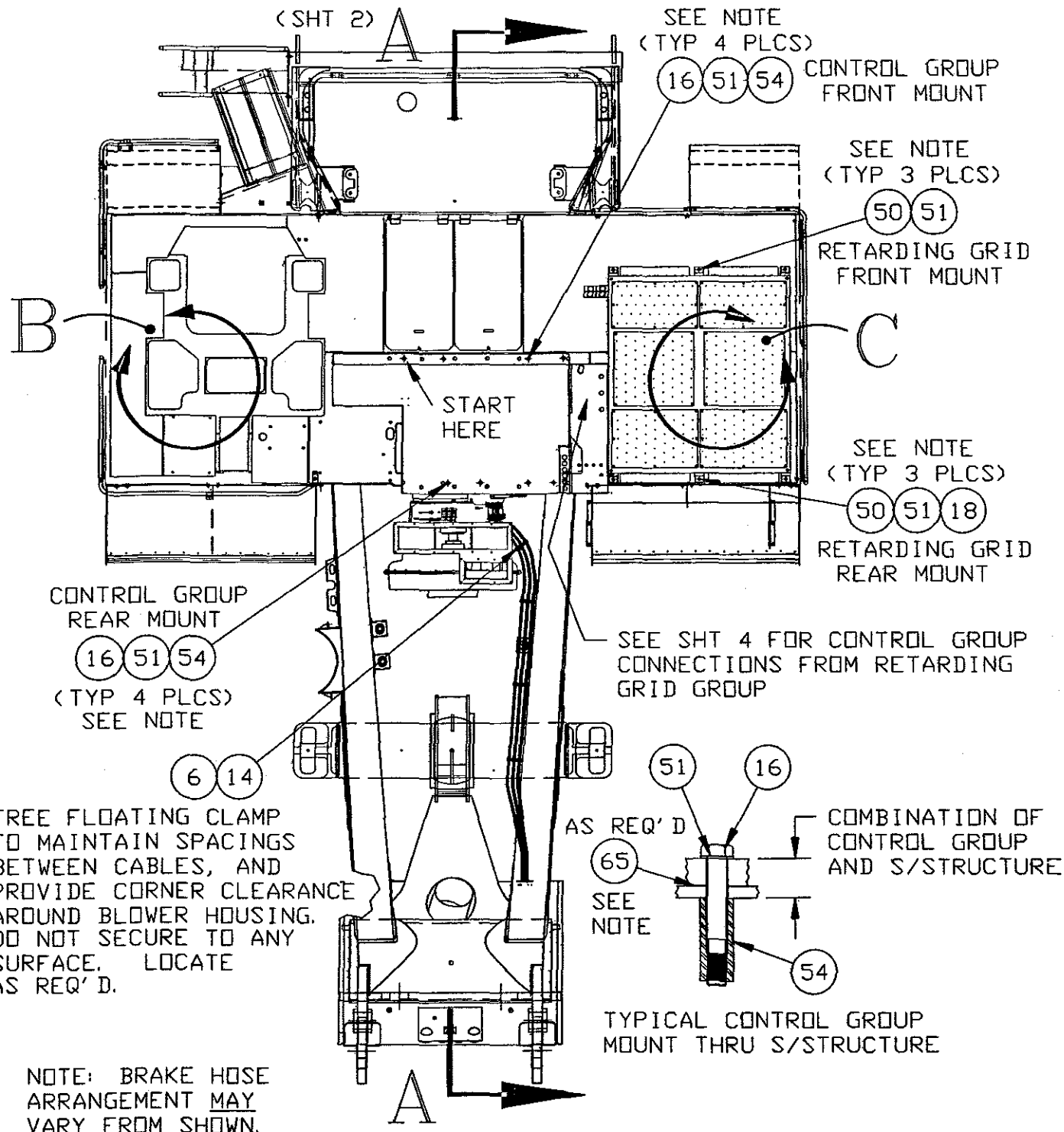
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NOTE:
USE SHIM (ITEM 65) AS REQUIRED UNDER CONTROL AND RETARDING GRID GROUPS TO ELIMINATE GAPS OF 1/16" OR MORE BETWEEN GROUPS AND SUPER-STRUCTURE AT MOUNTING POINTS

VIEWS B & C

TEREX
UNIT RIG

MT4400AC W/ IGBT's

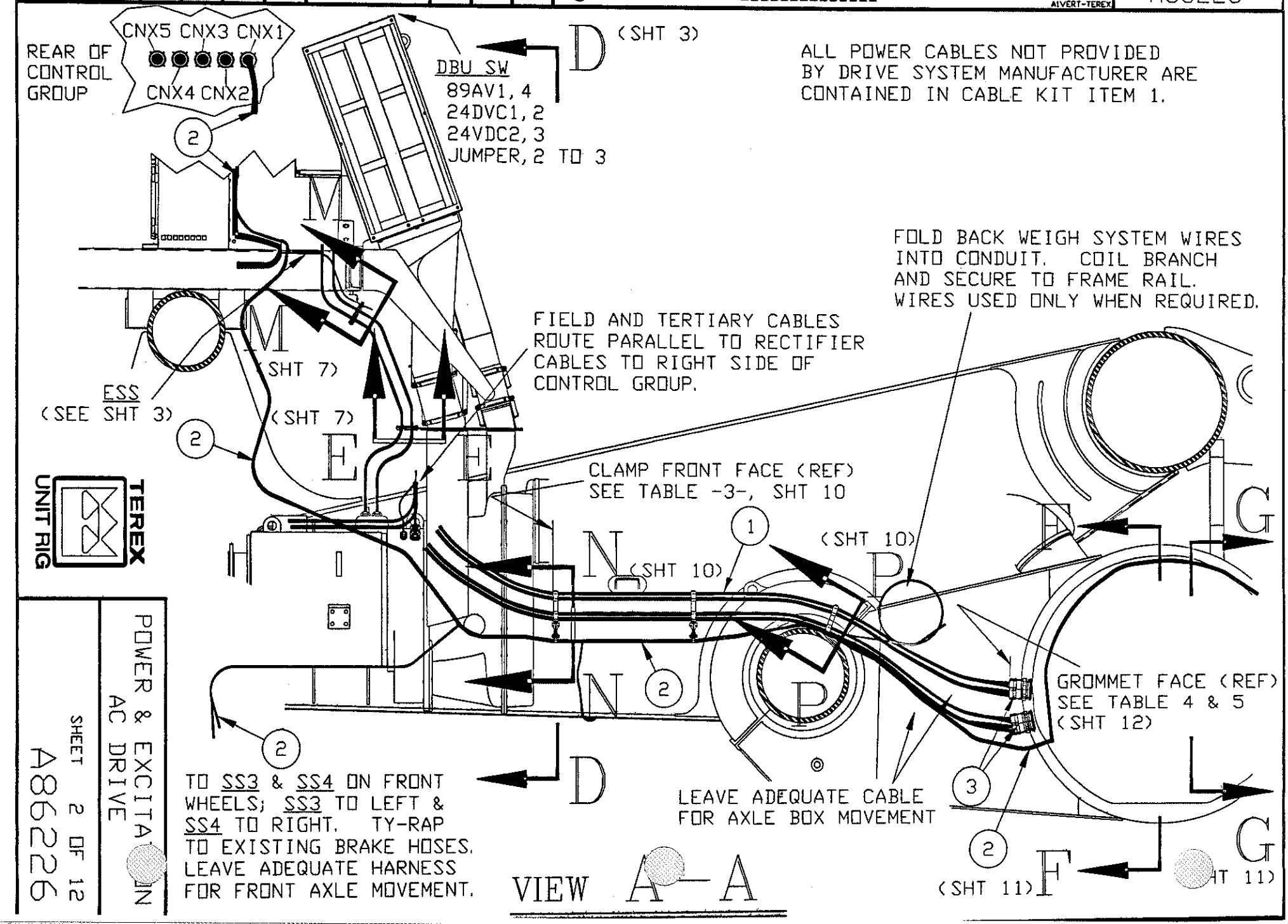
POWER & EXCITATION
AC DRIVE

SHEET 1 OF 12
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TEREX UNIT RIG

POWER & EXCITATION AC DRIVE

SHEET 2 OF 12

A86226

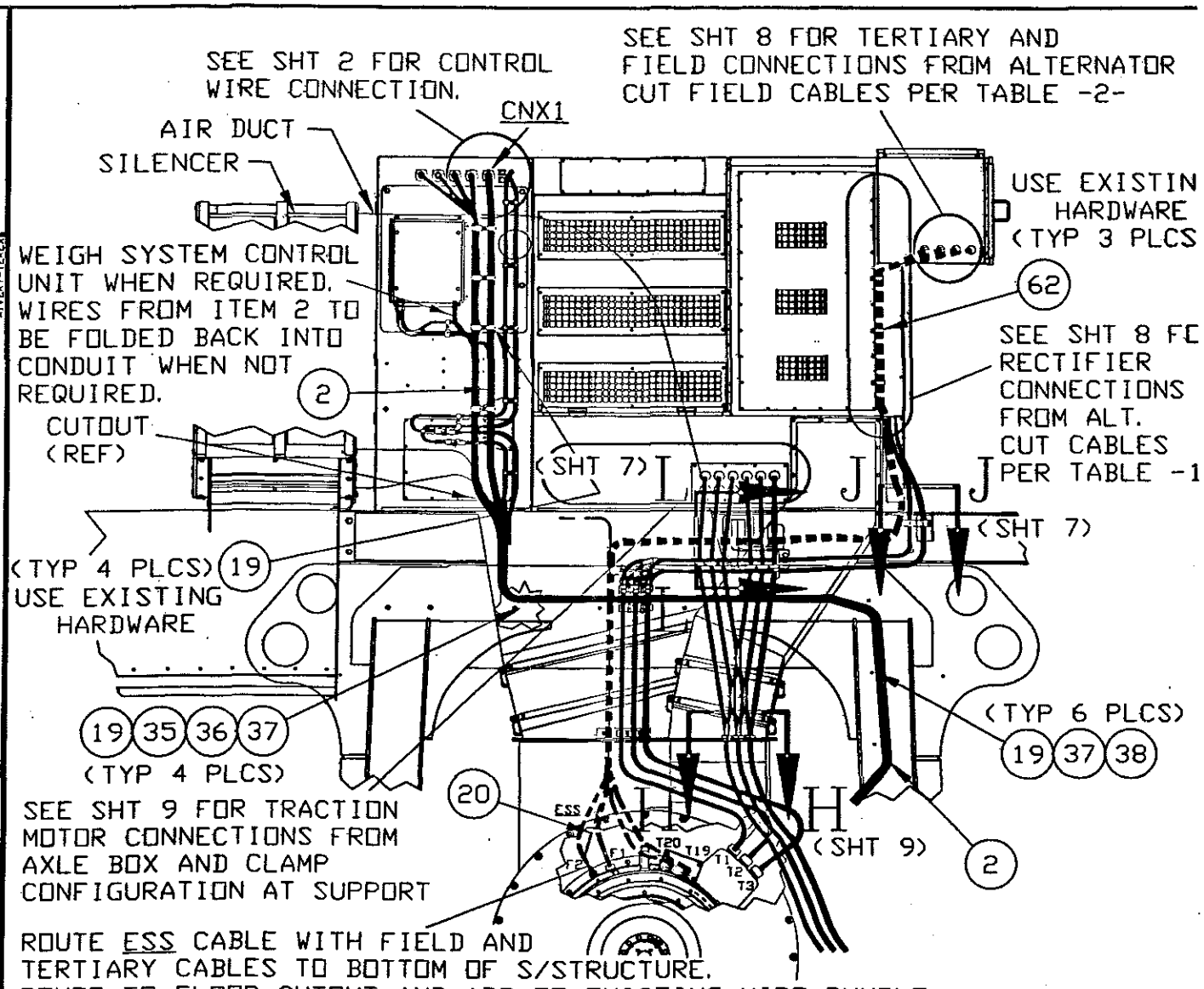
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ROUTE ESS CABLE WITH FIELD AND TERTIARY CABLES TO BOTTOM OF S/STRUCTURE. ROUTE TO FLOOR CUTOUT AND ADD TO EXISTING WIRE BUNDLE. ROUTE TO CNX1 CONNECTOR AND BUTT SPLICE TO 2CS20 WIRE FROM CONNECTOR, WHT TO WHT, BLK TO BLK, ETC. COVER EACH SPLICED CONNECTION WITH HEAT SHRINK (ITEM 63), AND ENTIRE CONNECTION, 3 SPLICES, WITH HEAT SHRINK (ITEM 64). BLEND ALL BACK INTO CONDUIT.

VIEW D—D

TABLE -1-
TOP OF ALTERNATOR GRIP TO END OF CABLE

WIRE #	CUT LENGTH
T101	178
T102	178
T201	186
T202	186
T301	198
T302	198

IF RECTIFIER CABLES HAVE TO BE CUT, RE-TERMINATE CABLE WITH 925/24 TERMINAL SUPPLIED BY VENDOR.

TABLE -2-
TOP OF ALTERNATOR GRIP TO END OF CABLE

WIRE #	CUT LENGTH
F1	91
F2	87

RE-TERMINATE FIELD CABLES WITH 225/24 CAST LUG (ITEM 25) SUPPLIE
SEE VIEW -K- (SHT 6)

TEREX
UNIT RIG

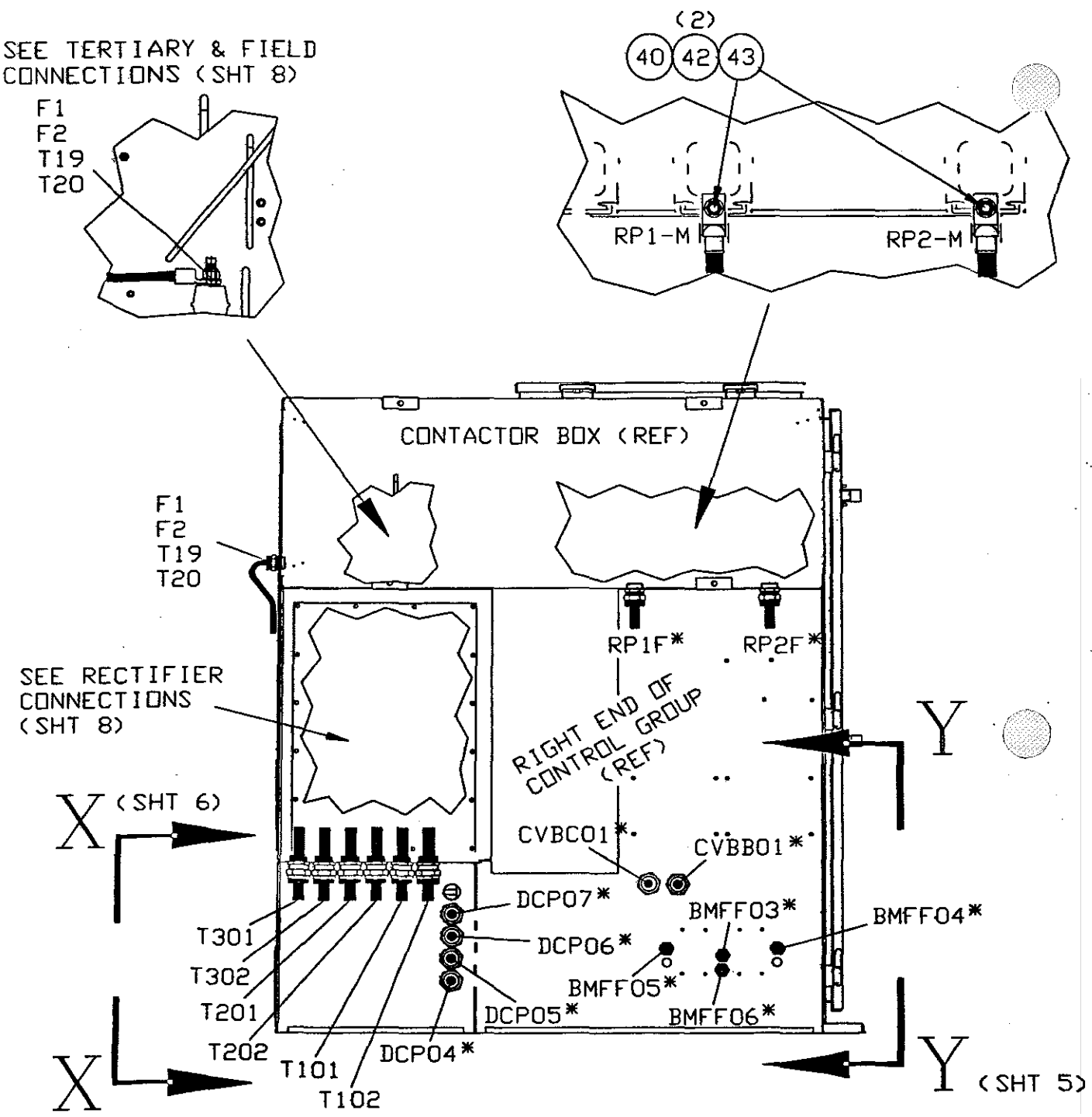
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ALL CABLES INDICATED (*) INTO CONTROL GROUP ARE FROM RETARDING GRID GROUP. ALL (*) CABLES ARE CUT TO LENGTH AND TERMINATED. AFTER ROUTING CABLES THRU PROPERLY DESIGNATED HOLES AND MAKING CONNECTIONS AS SHOWN IN ASSOCIATED VIEWS, TY-RAP LOOSE SEGMENTS BETWEEN BOXES INTO BUNDLES TO LIMIT THEIR MOVEMENT.

CONTROL GROUP CONNECTIONS FROM RETARDING GRID - CABLES & GRIPS BY VENDOR

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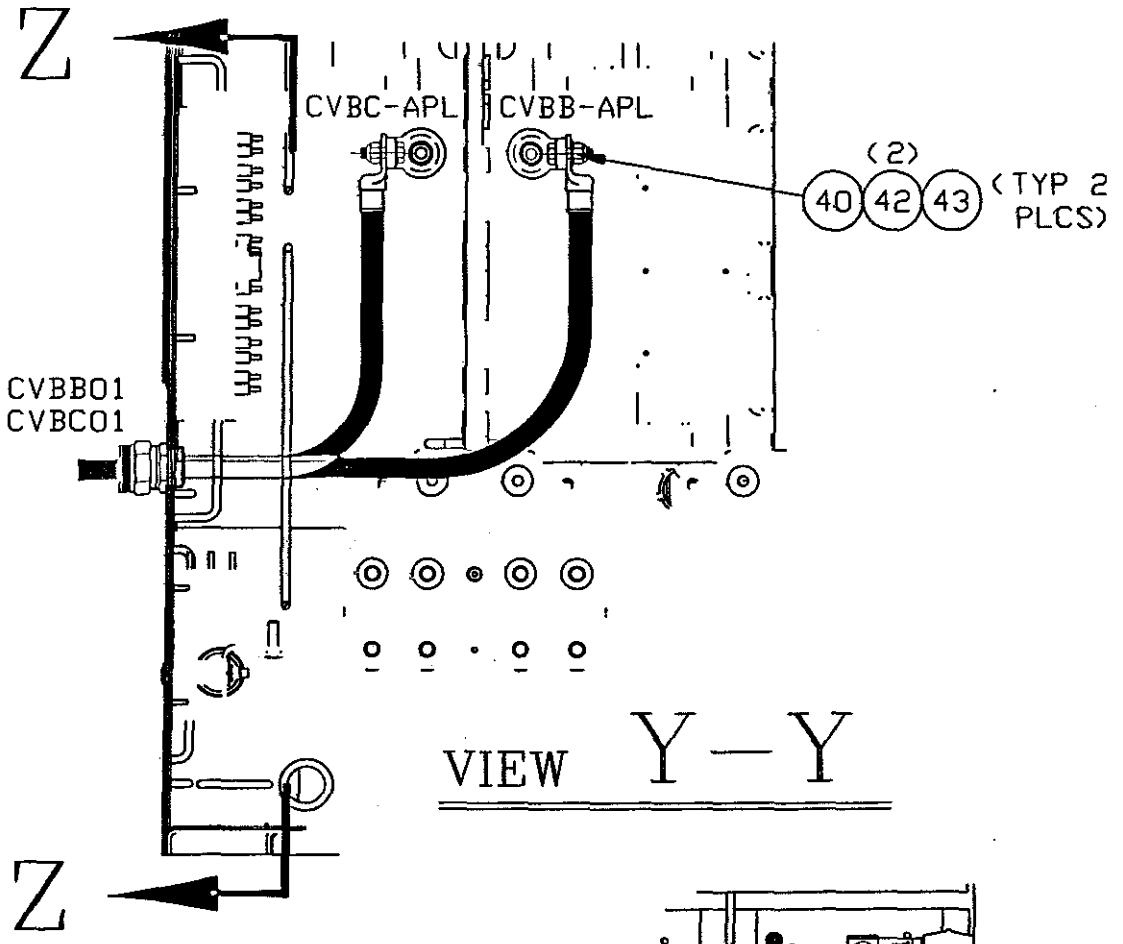
SHEET 4 OF 12
A86226

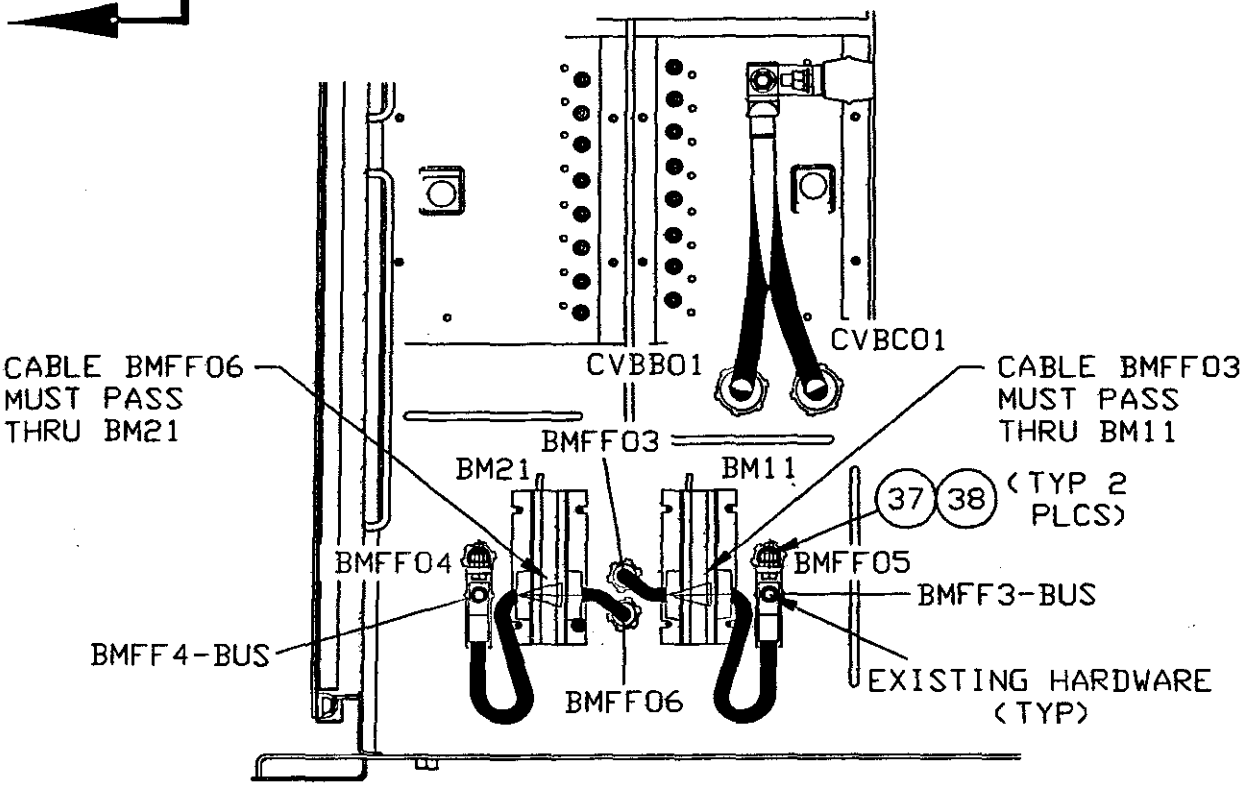
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VIEW Z—Z

CONTROL GROUP CONNECTIONS FROM RETARDING GRID - CABLES & GRIPS BY VENDOR

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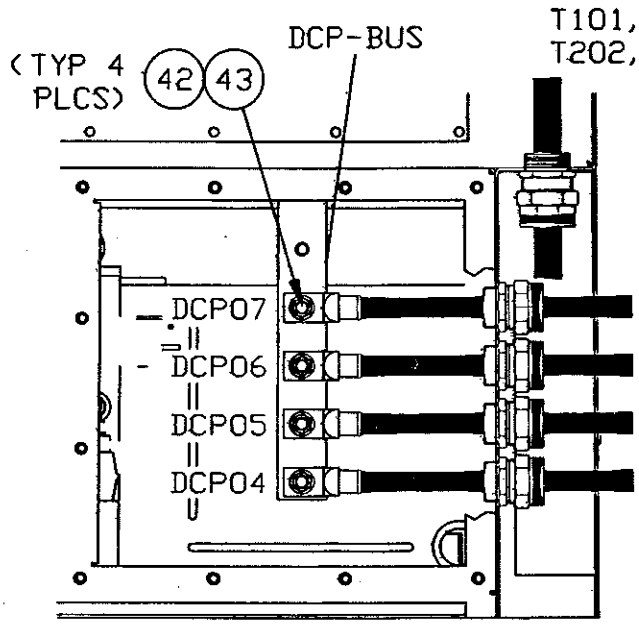
POWER & EXCITATION AC DRIVE

SHEET 5 OF 12

A8622E

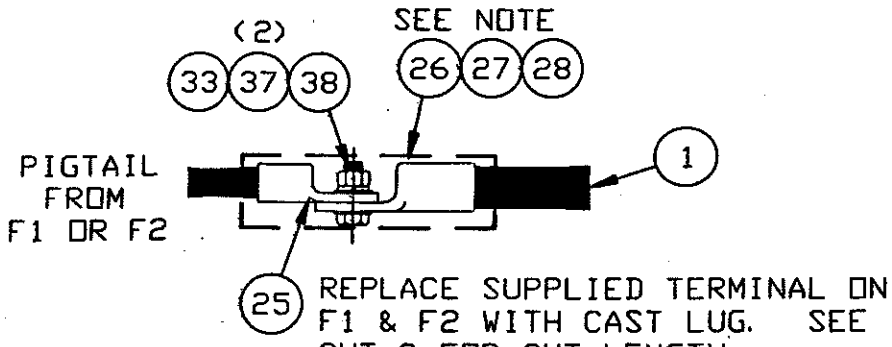
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VIEW X–X

CONTROL GROUP CONNECTIONS
FROM RETARDING GRID -
CABLES & GRIPS BY VENDOR



VIEW K
(TYP 2 PLCS)

NOTE:
INSULATE BOLTED CONNECTION BY WRAPPING ENTIRE LENGTH WITH VINYL TAPE, THEN COVER WITH AN INSULATED PAD, AND SEAL WITH HEAT-SHRINKABLE TUBING.

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TEREX
UNIT RIG

POWER & EXCITATION
AC DRIVE

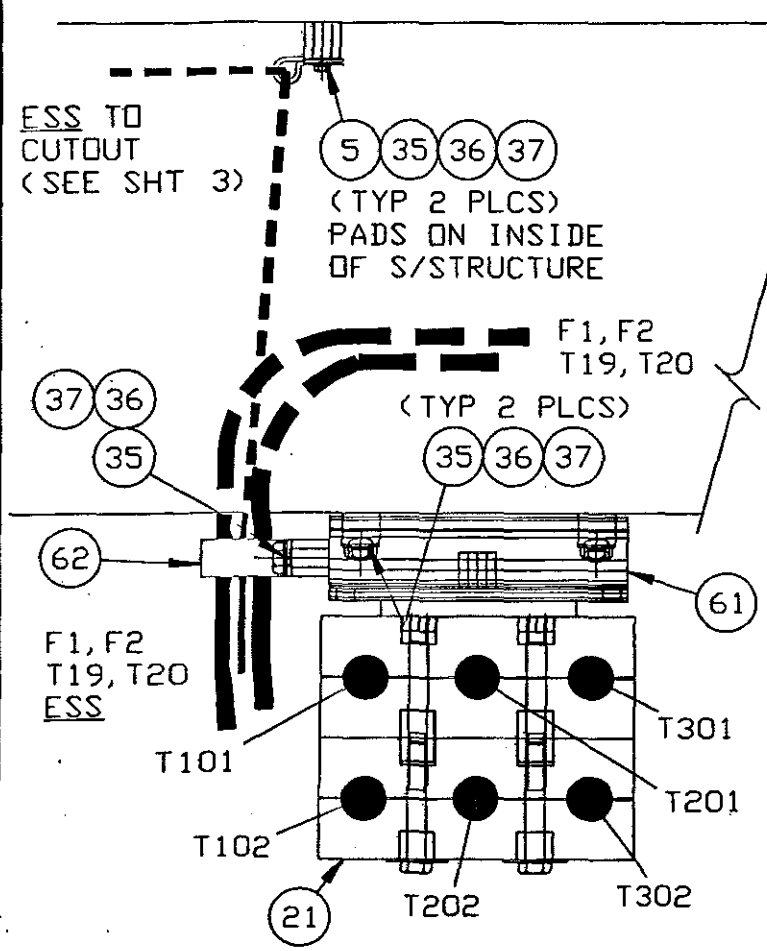
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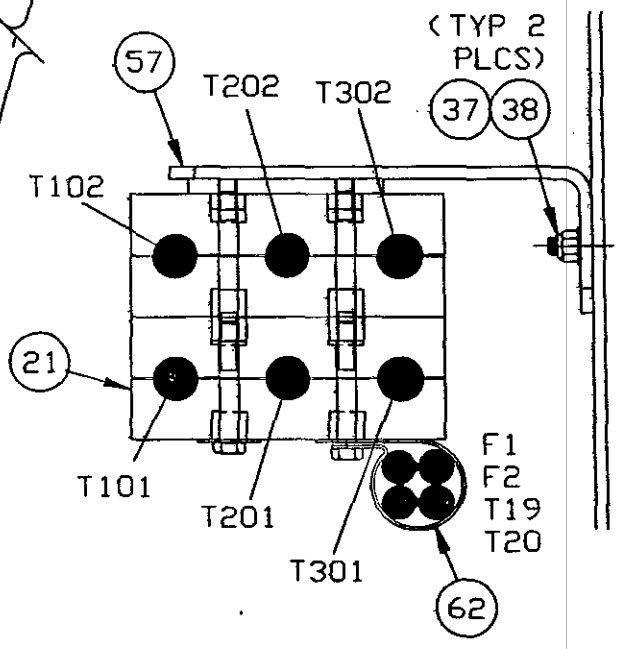
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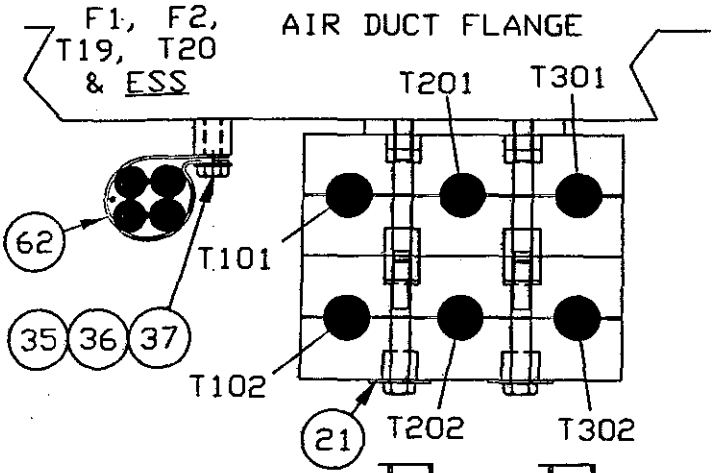
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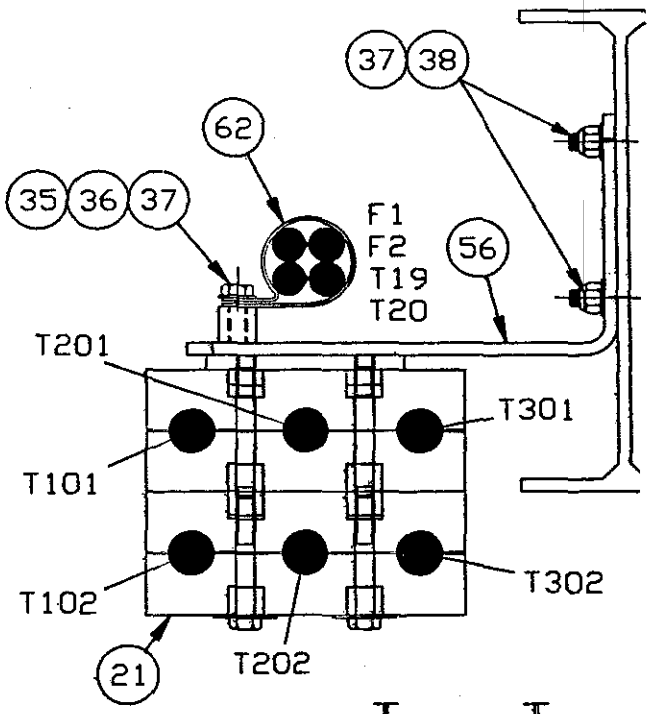
VIEW M — M



VIEW J — J



VIEW E — E



VIEW L — L

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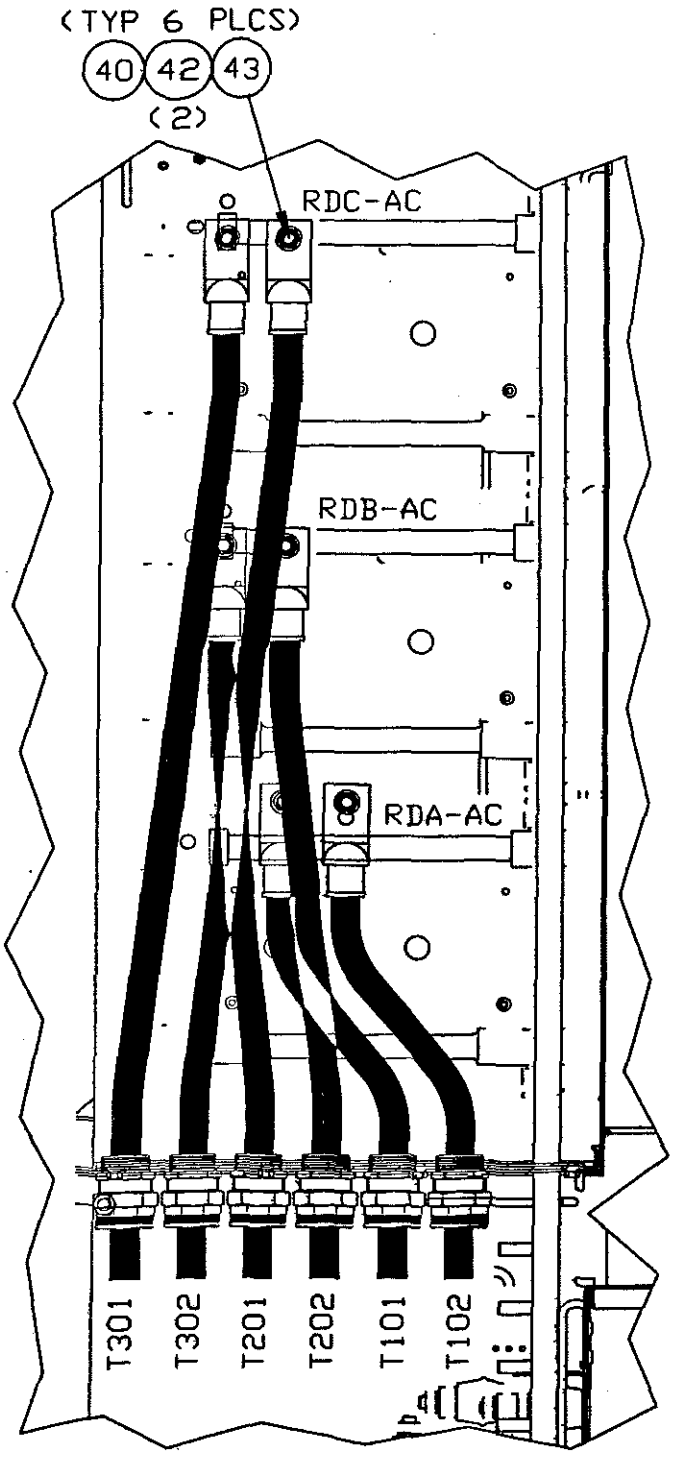
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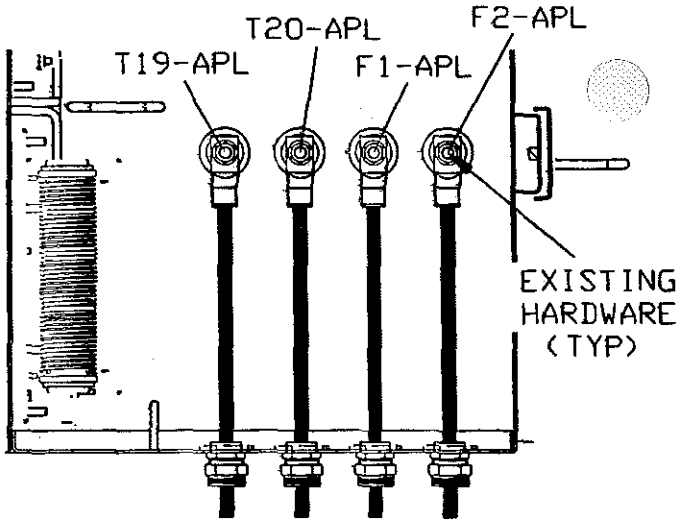
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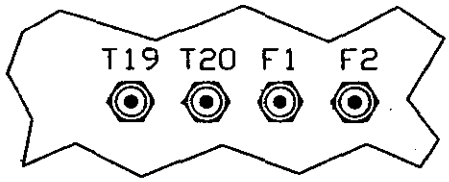
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RECTIFIER CONNECTIONS
FROM ALTERNATOR -
CABLES & GRIPS BY VENDOR





TERTIARY & FIELD CONNECTIONS
FROM ALTERNATOR
CABLES & GRIPS IN
ITEM 1 KIT

TEREX
UNIT RIG

POWER & EXCIT[illegible]ION
AC DRIVE

SHEET 8 OF 1[illegible]

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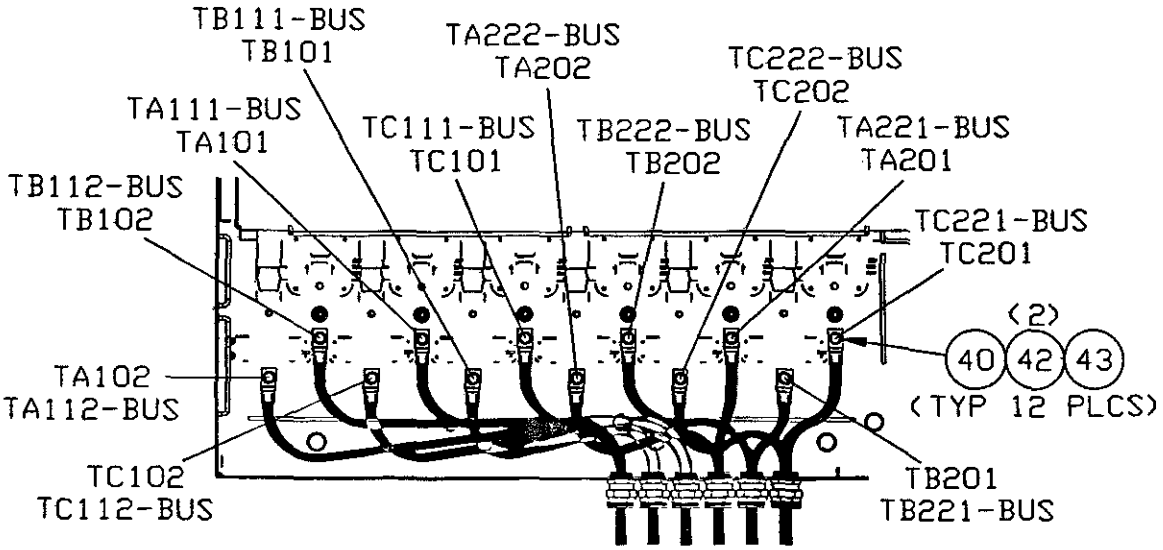
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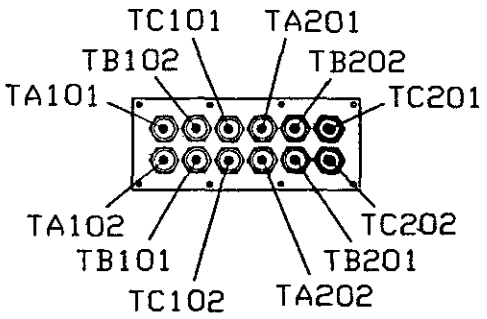
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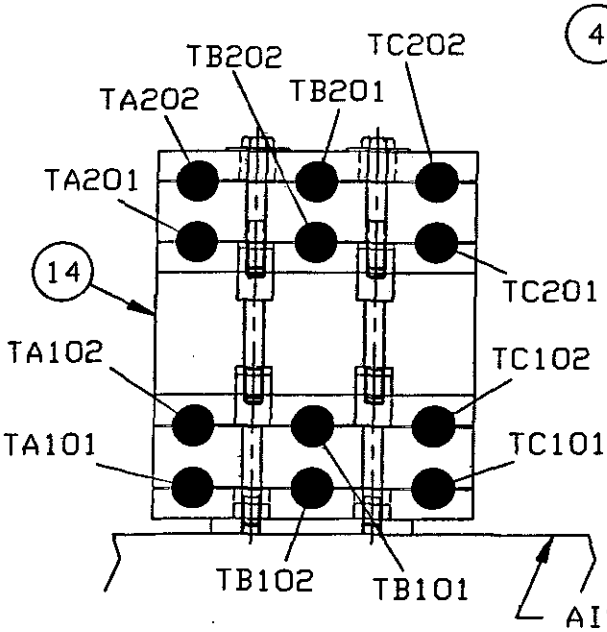
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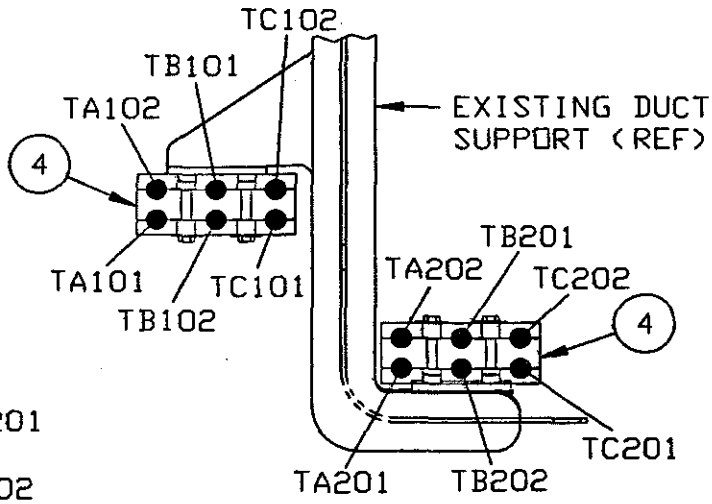
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TRACTION MOTOR CONNECTIONS FROM AXLE BOX CABLES & GRIPS IN ITEM 1 KIT







AIR DUCT FLANGE

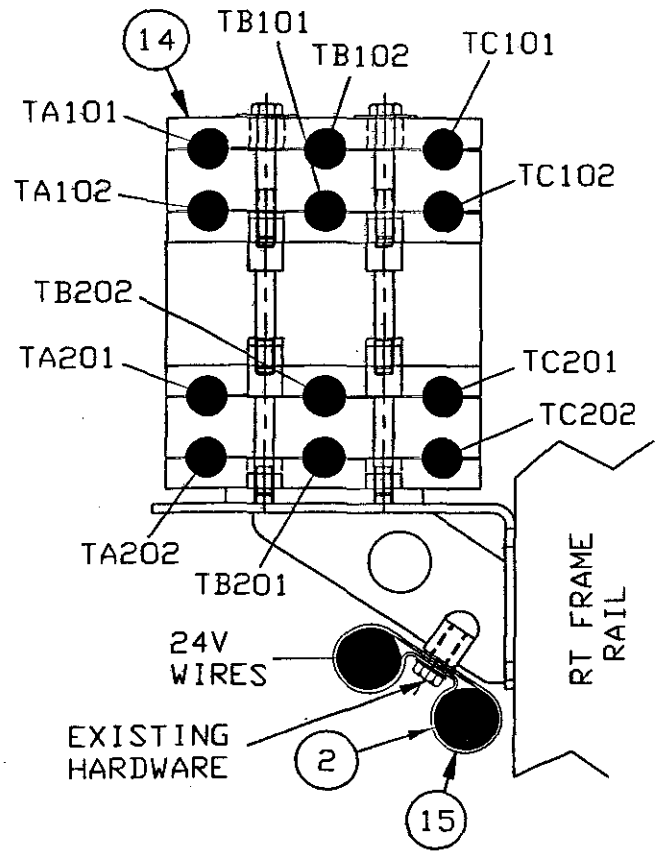
VIEW H—H

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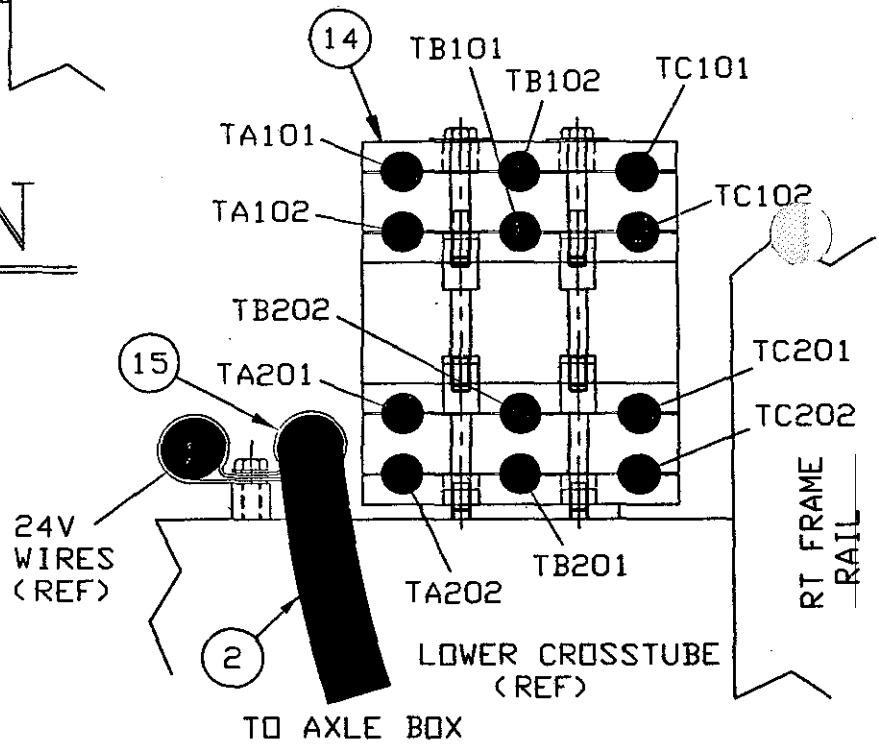


VIEW N—N
(TYP 2 PLCS)

TABLE -3-
CABLE MARKERS FRONT FACE OF CABLE CLAMP TO END OF CABLE

WIRE #	LENGTH	WIRE #	LENGTH
TA101	149	TA201	141
TA102	160	TA202	147
TB102	161	TB202	148
TB101	147	TB201	138
TC101	148	TC201	143
TC102	159	TC202	145

(SEE SHT 2)



VIEW P—P

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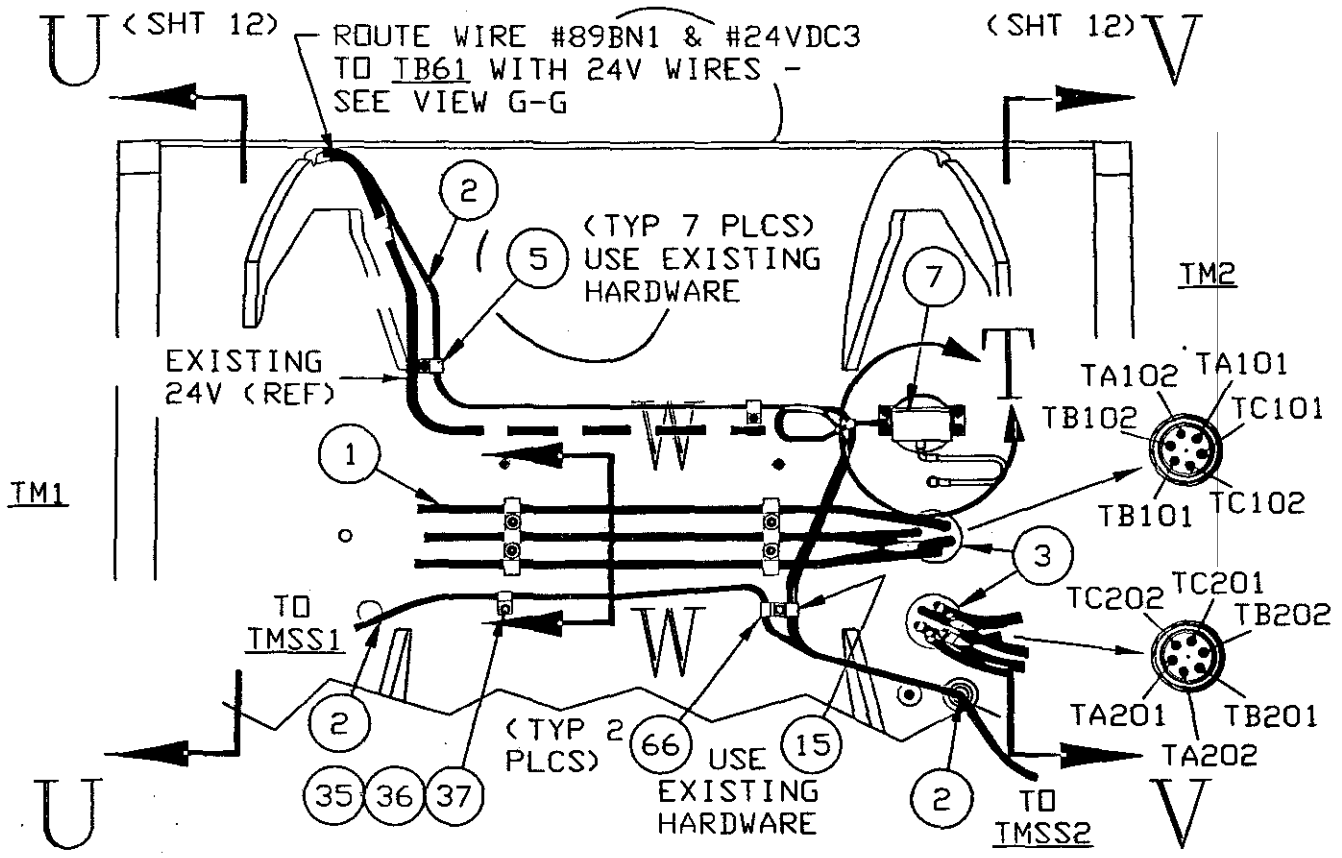
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UNIT RIG

POWER & EXCIT[illegible]I[illegible]
AC DRIVE

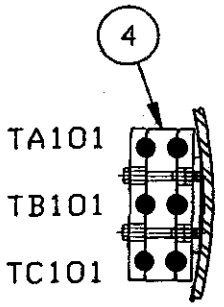
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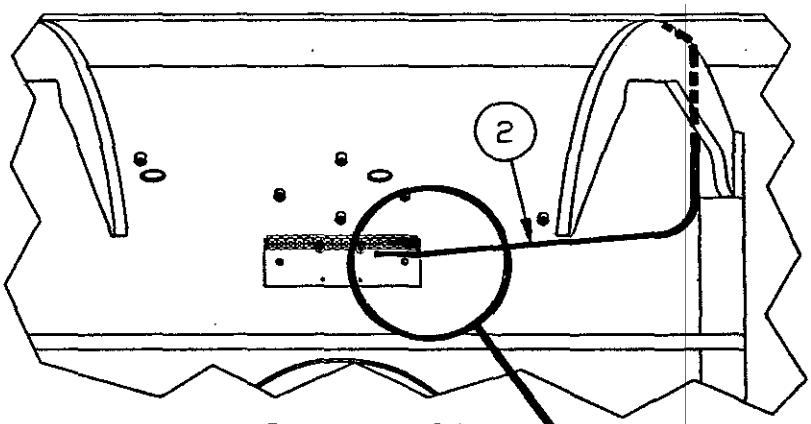
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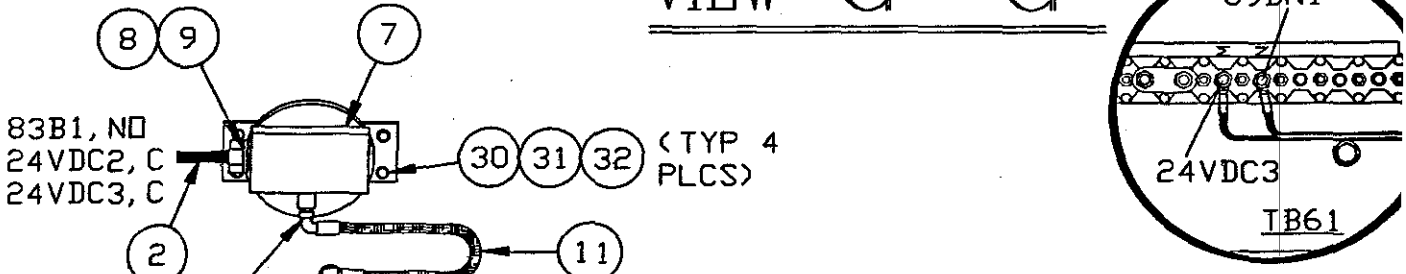
VIEW F — F



VIEW W — W
(TYP 2 PLCS)



VIEW G — G



VIEW T
AB PSW

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AC DRIVE

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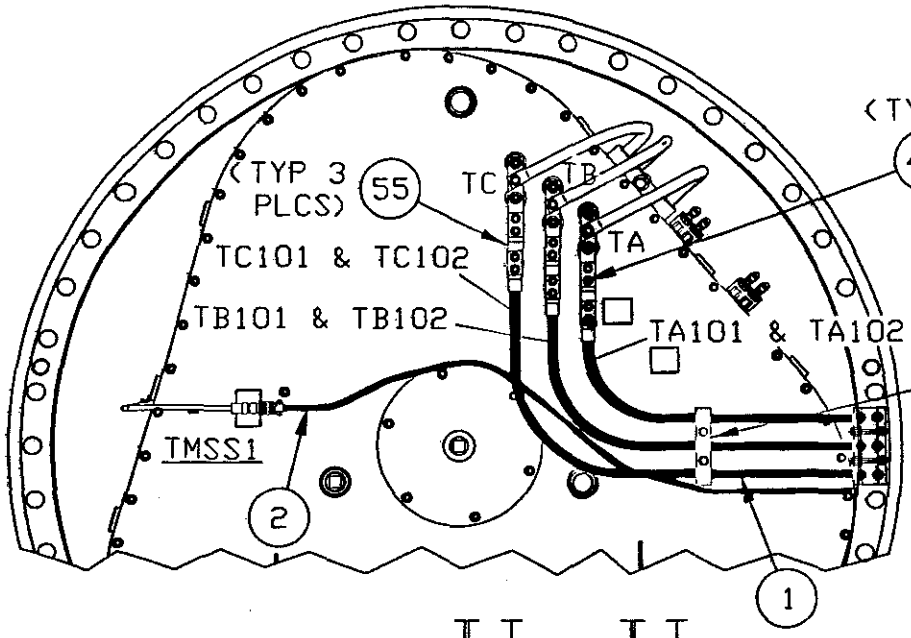
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FREE FLOATING CLAMP TO MAINTAIN SPACINGS BETWEEN CABLES. DO NOT SECURE TO ANY SURFACE. (TYP BOTH MOTORS - LOCATIONS WILL VARY).

VIEW U—U
TM1

TABLE -4-
CABLE MARKERS:
GROMMET FACE TO END OF CABLE

WIRE #	LENGTH
TA101, TA102	101
TB101, TB102	104
TC101, TC102	114

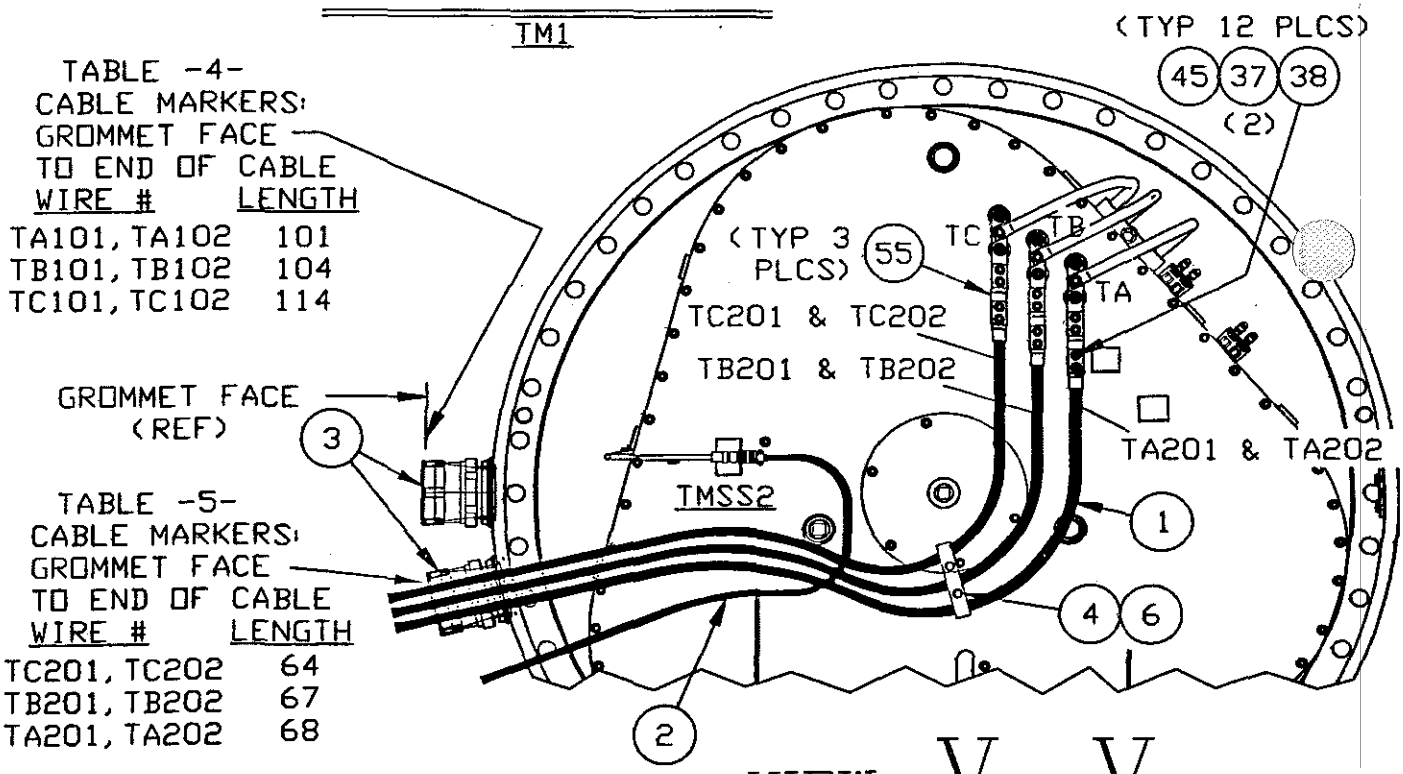
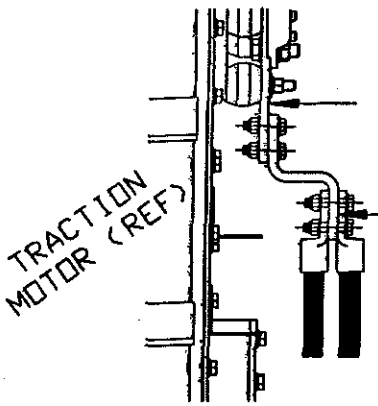


TABLE -5-
CABLE MARKERS:
GROMMET FACE TO END OF CABLE

WIRE #	LENGTH
TC201, TC202	64
TB201, TB202	67
TA201, TA202	68

VIEW V—V
TM2



TYP BUS BAR CONNECTION

TY-RAP HARNESS (ITEM 2), AS REQUIRED, TO MINIMIZE POTENTIAL MOVEMENT.

TEREX
UNIT RIG

POWER & EXCITATION
AC DRIVE

93861
E.N. NO.

SHEET 12 OF 1
A86226

A86226A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		85244J	KIT-CABLE, PWR/EXC
2	1		85281J	WIRE HARNESS ASSEMBLY PWR & CNTRL
3	2		85160E	GRIP, AXLE BOX
4	2		85243V	KIT, STANDARD CLAMP (6) HOLES 0.844 DIA
4	4		85243V	KIT, STANDARD CLAMP (6) HOLES 0.844 DIA
5	7		56296	CLAMP, CUSHION 3/8"
5	2		56296	CLAMP, CUSHION 3/8"
6	3		1000546	PLATE, WELD, CLAMP
7 R	1		28512	SWITCH-PRESSURE GE P/N 41B512742P3
8	1		16888	GRIP, SEAL 1/2NPT 1/4 - 3/8 DIA CABLE
9	1		16889	LOCKNUT CONDUIT 1/2"
10	1		17628	ADAPTER, STRAIGHT #4 JIC, MALE X 1/8 NPTF, MALE
11	1		53670	HOSE ASSY 1503-04 13" LG W/411 & 190296 FTGS.
12	1		986205	ADAPTER, 90 DEG #4 JIC, MALE X 1/4 NPTF, MALE
13	1		24407	ELBOW-STREET, 1/4" NPT, 150 PSI
14	3		85243W	KIT, STACK CLAMP (12) HOLES 0.844 DIA & (1) SPACER BLOCK
14	2		85243W	KIT, STACK CLAMP (12) HOLES 0.844 DIA & (1) SPACER BLOCK
15	3		18367	CLAMP-CUSHION 1-1/4
15	1		18367	CLAMP-CUSHION 1-1/4
16	8		56861	CAPSCR, HX, 1-8NC X 7, GR 8
18	3		1032108	NUT, (DWG 1104418) HX, CRNLK, 1 -8UNC
19	4		17143	CLAMP-CUSHION 1-9/16
19	10		17143	CLAMP-CUSHION 1-9/16
20	25	FT	84024F	CONDUIT (DWG84024A-Z) I.D. .25 (6MM)
21	4		85243N	KIT, STACK CLAMP (6) HOLES 0.891 DIA
25	2		18945	TERMINAL, 225/24-CAST STR, W/ 7/16 DIA HOLE
26	1	RL	913715	TAPE VINYL 3/4"
27	2		29928	INSL PAD ADHESIVE
28	2		53416	TUBING-HEAT SHRINK OR SST 9-20

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REL. CK. ELLIS

94828
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E.N. NO.

TEREX UNIT RIG

POWER & EXCITATN ASSY

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ITM	QTY	UM	COMPONENT	DESCRIPTION
30	4		25902	CAPSCR, HX, 1/4-20NC X 3/8 GR 5
31	4		10178	WASHER, LK, HELI, 1/4 X .489 OD
32	4		10162	WASHER, FL, 1/4 X 0.625 OD
33	2		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
35	4		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
35	7		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
35	1		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
36	4		10180	WASHER, LK, HELI, 3/8 X .683 OD
36	7		10180	WASHER, LK, HELI, 3/8 X .683 OD
36	1		10180	WASHER, LK, HELI, 3/8 X .683 OD
37	5		10164	WASHER, FL, 3/8 X 1 OD, ZP
37	10		10164	WASHER, FL, 3/8 X 1 OD, ZP
37	55		10164	WASHER, FL, 3/8 X 1 OD, ZP
37	6		10164	WASHER, FL, 3/8 X 1 OD, ZP
38	6		17413	NUT-HEX, FLXLC 3/8-16
38	24		17413	NUT-HEX, FLXLC 3/8-16
38	2		17413	NUT-HEX, FLXLC 3/8-16
38	6		17413	NUT-HEX, FLXLC 3/8-16
40	18		10030	CAPSCR, HX, 1/2-13NC X 1-3/4 GR 5
40	4		10030	CAPSCR, HX, 1/2-13NC X 1-3/4 GR 5
42	36		22465	WASHER, FL, 1/2
42	12		22465	WASHER, FL, 1/2
43	18		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
43	8		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
45	24		10015	CAPSCR, HX, 3/8-16NC X 1-3/4 GR 5
50	6		1001022	CAPSCR, HX, 1-8NC X 2-1/2 GR 8
51	14		62770A	WASHER, FL, HARDENED, 1-1/16" ID X 1-3/4" OD X 1/8" THICK
54	8		85914A	NUT, SQUARE, SPECIAL (1-8UNC)
55	6		84372S	BUS BAR
56	1		85241G	BRACKET, CLAMP, S/STRUCT
57	1		85241H	BRACKET, CLAMP, S/STRUCT
61	1		85241E	BRACKET, CLAMP, S/STRUCT
62	7		18366	CLAMP, CUSHION 1-3/4

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REL. CK.

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TEREX UNIT RIG

POWER & EXCITATN ASSY

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A86226A

ITM	QTY	UM	COMPONENT	DESCRIPTION
63	15	IN	19358	SLEEVE BULK HT SHRINK 1/4" TO 1/8"
64	12	IN	19361	SLEEVE BULK HT SHRINK 1/2" TO 1/4"
65	14		86205A	SHIM, 16 GA
66	2		18666	CLAMP LOOP 19/32 I. D.
99 R	1		A86226	DWG ONLY, ELEC, PWR/EXC

MT4400AC W/AC DRIVE
IGBT CONTROL GROUP

ALVERT-TEREX
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ENG. APP.
REL. CK.

94828
93861
E.N. NO.

TEREX
UNIT RIG

POWER & EXCITATN ASSY

SHEET 3 OF 3

A86226A

A86828

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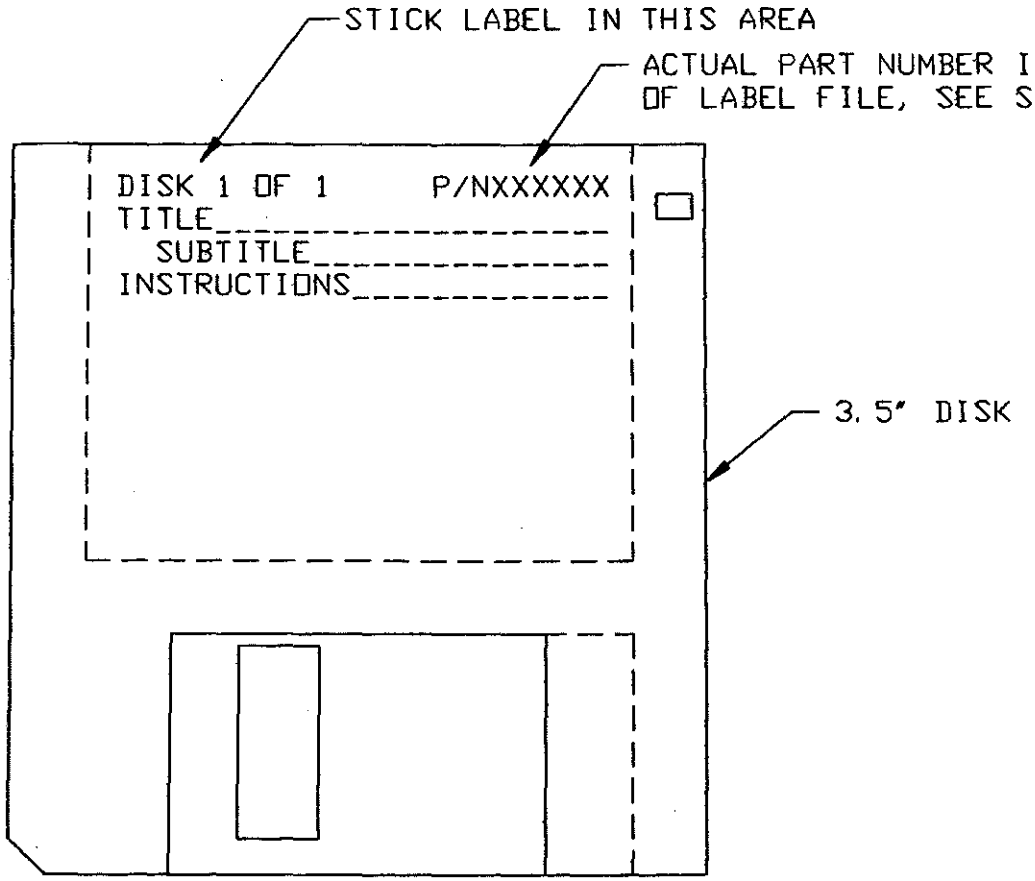
DR. MURPHY

ENG. APP. DODEN

REL. CK. PSD

95408

E.N. NO.



INSTRUCTIONS:

x AND xxxx INDICATE NUMBERS FROM TRUCK BILL OF MATERIALS (BOM).

GE SYSTEM CONTROL CONFIGURATION FILES, DISK LABEL FILE, SOFTWARE INSTALLATION INSTRUCTIONS ARE IN R:\ENGINEERING\RELEASED DISKS.

THE 190 MODULE OF THE TRUCK BILL OF MATERIAL SHOWS WHICH A86828x RELEASE DISK TO USE. FOR EXAMPLE, BOM FOR MH321 CALLS FOR A86828G, WHICH INCLUDES DISK3041G.

1. COPY ALL FILES FROM RELEASED DISK FOLDER. "R:\ENGINEERING\RELEASED DISKS\DISKxxxx\DISK1 TO A 3.5: DISK. FOR EXAMPLE, THE FILES FOR MH321 ARE IN R:\ENGINEERING\RELEASED DISKS\DISK3041G\DISK1.

2. LABEL THE DISK PER FILE "A86828x.LBL. TO SEE THE LABEL FILE, USE NOTEPAD OR OTHER WORD PROCESSOR. FOR EXAMPLE, THE LABEL FILE FOR MH321 IS R:\ENGINEERING\RELEASED DISKS\DISK3041G\DISK1\A86828G.LBL.

3. COMPLETED DISKS ARE DISTRIBUTED BY SERVICE DEPARTMENT.

TEREX
UNIT RIG

SOFTWARE, CONFIGU[illegible]IO
GE SYSTEM CON[illegible]L
DISK PROCESSING

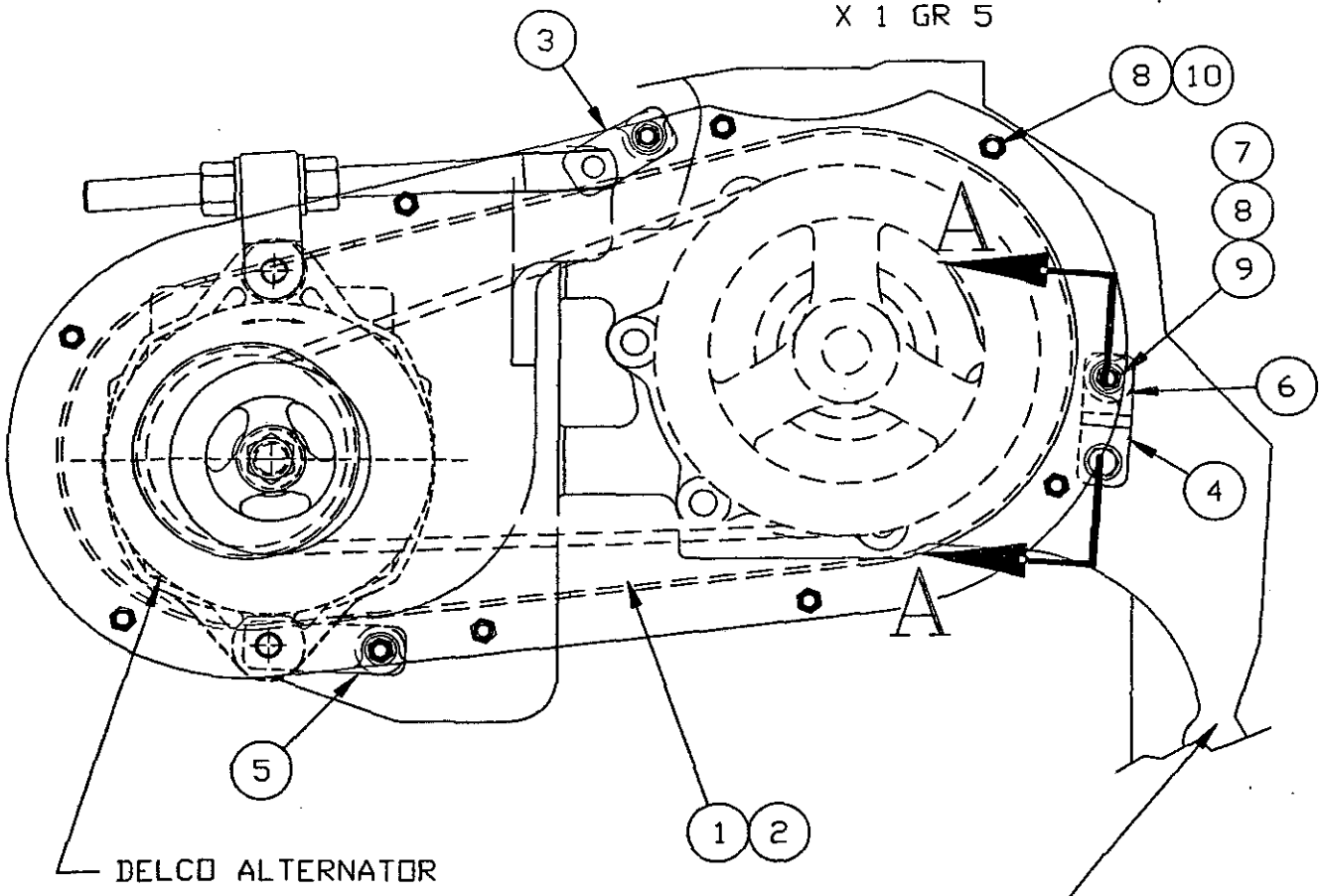
SHEET 1 OF 1
A86828

SECTION 4 - POWER PACKAGE

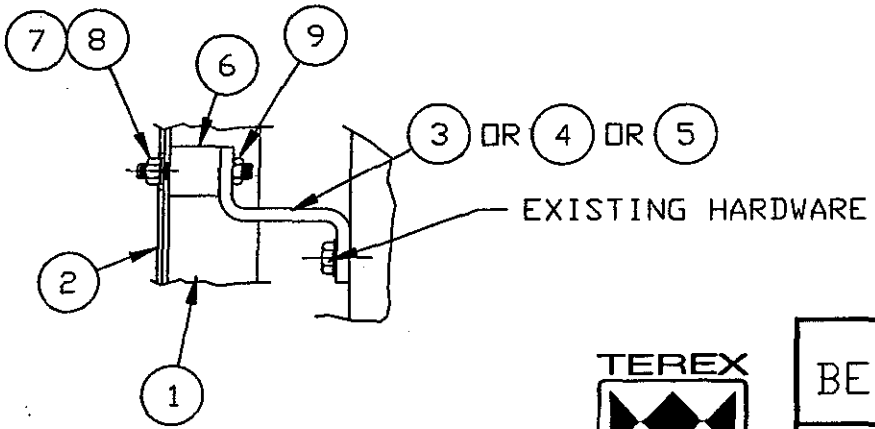
DESCRIPTION	ASSEMBLY
Air Cleaner Piping Assembly	A85246B
Alternator - Traction	85788A
Alternator and Engine Mounting Assembly	A84776C
Alternator and Wheelmotor Cooling Assembly	A86242A
Belt Guard Assembly	83860C
Cooling Assembly, Alternator and Wheelmotor	A86242A
Diesel Engine	84942X
Electrical Assy, Engine	A85794A
Engine - Diesel	84942X
Engine and Alternator Mounting Assembly	A84776C
Engine Electrical Assy	A85794A
Engine Piping Assembly	A84963F
Exhaust Assy, HTD Body	A86082A
Fluid Sampling Pts	A85238B
Guage, Radiator Assy	A86321A
Piping Assembly, Air Cleaner	A85246B
Piping Assembly, Engine	A84963F
Piping Assembly, Radiator	A85248E
Radiator Mounting Assembly	A84010W
Radiator Piping Assembly	A85248E
Traction Alternator	85788A
Wheelmotor and Alternator Cooling Assembly	A86242A
Brake Assembly, Hydraulic	A85896D
Cylinder Mounting Assembly, Dump	A84148A

83860C

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		83861J	GUARD-BELT
2	1		83861K	PLATE, BELT GUARD
3	1		85856A	BRACKET, BELT GUARD
4	1		85856B	BRACKET, BELT GUARD
5	1		85856C	BRACKET, BELT GUARD
6	3		56840	MOUNT, ISOLATION
7	3		10125	NUT HEX 5/16-18NC
8	11		10179	WASHER, LK, HELI, 5/16 X .586 OD
9	3		10135	NUT, HX, JAM, 5/16-18NC STL GR 2
10	8		10008	CAPSCREW, HX, 5/16-18NC X 1 GR 5



USE EXISTING HARDWARE TO INSTALL GUARD



VIEW A—A

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ENG. APP.
REL. CK.

92561
E.N. NO.

TEREX MINING

BELT GUARD ASSY

SHEET 1 of 1

83860C

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TOLERANCES: UNLESS OTHERWISE SPECIFIED		
DECIMAL	FRACTIONAL	ANGULAR
.XXX ± .010	± 1/8	± 1/2°
.XX ± .03		
.X ± .1		

84942Y

SPECIFICATIONS

DDC 16V4000 ENGINE @ 2300 HP W/OPTIMUM LOAD CURVE FOR AC DRIVES
EMISSION CERTIFIED

SAME AS 84942K EXCEPT:

HORSEPOWER CALIBRATION-2300 HP
DELETE 6N4M-1475 2700 HP
ADD 6N4M -1477 2300 HP

ALL OTHER GROUPS AND SPECIFICATIONS ARE THE SAME.

MANUFACTURER

DETROIT DIESEL CORPORATION
DETROIT, MICHIGAN

*SEE SERVICE PARTS

95554	10/07	RELEASE	TRUCK SPEC	MH	341
			N/A	VEHICLE	S.N.

ENGINE, DIESEL

DR T. DODEN
ENG APP WOOD
REL CK DORROUGH

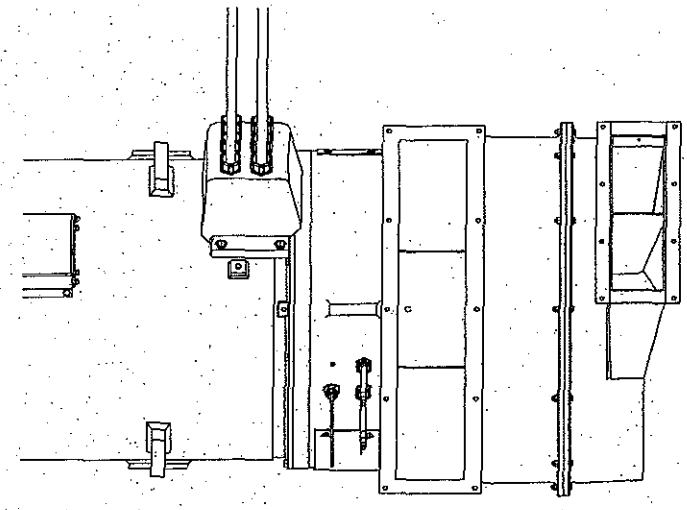
TEREX | UNIT RIG

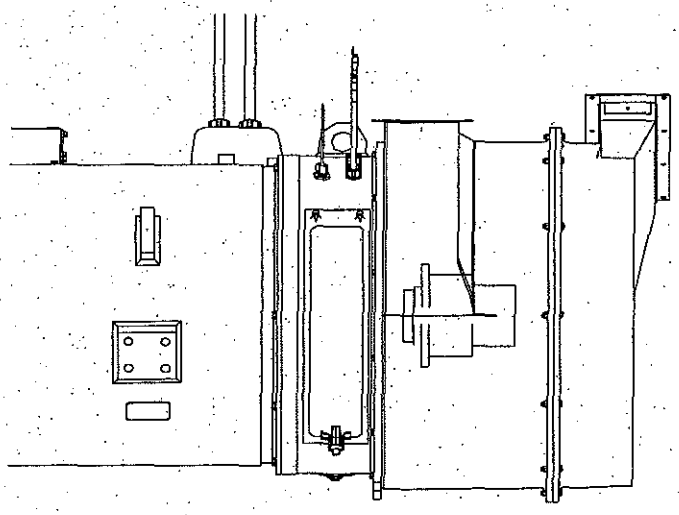
SIZE 1
SHEET 84942Y

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DATE: 10/24/07

BI115389

* 85788A ALTERNATION, TRACTION





*** SEE SERVICE PART DRAWINGS**

UNIT RIG TM	UNIT RIG TEREX MINING ENGINEERING	ALTERNATION, TRACTION	85788A E.N. 95265 | SHEET 1 OF 1

A84010

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DR. MARTENS

ENG. APP. DODEN

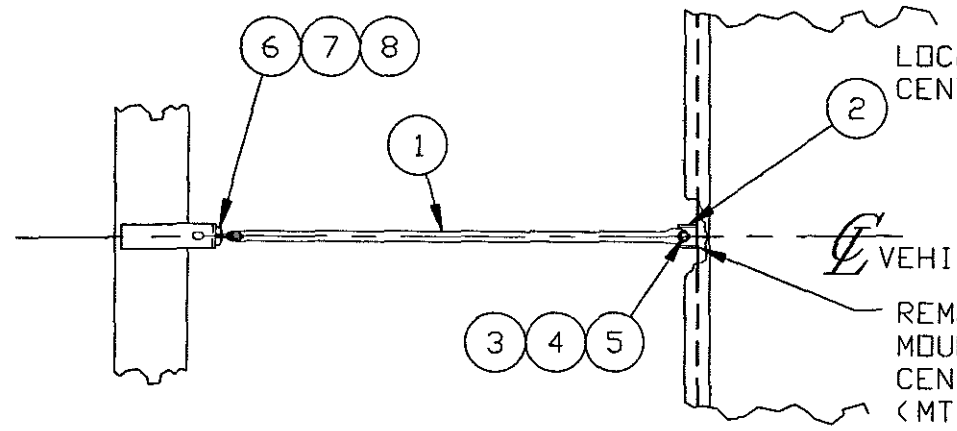
REL. CK. ELLIS

94701

RED

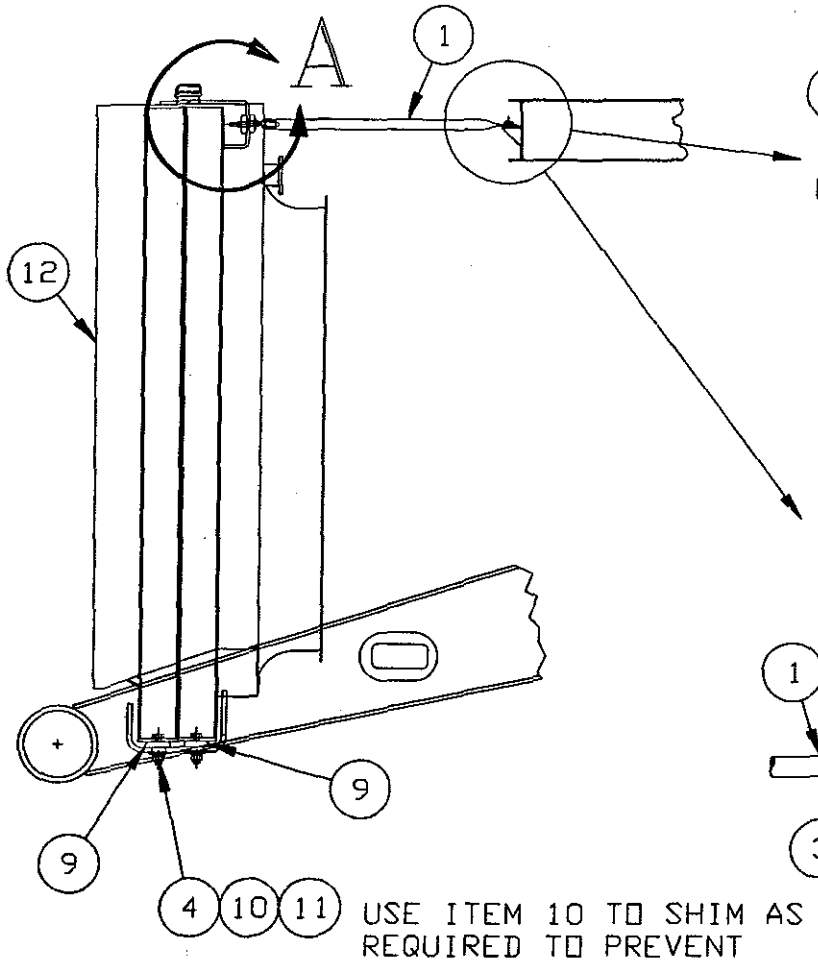
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E.N. NO.

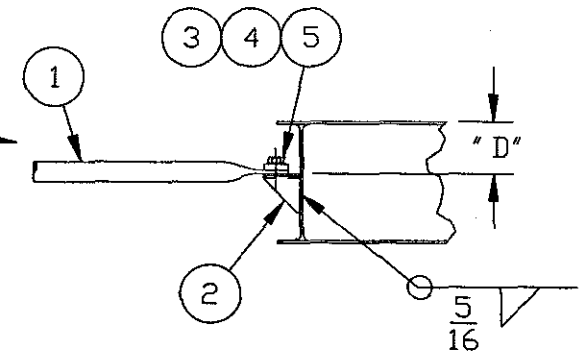


LOCATE ITEM 2 ON CENTERLINE OF VEHICLE.

REMOVE EXISTING HOOD MOUNTING PLATE FROM CENTERLINE OF S/STRUCT. (MT4000 ONLY)

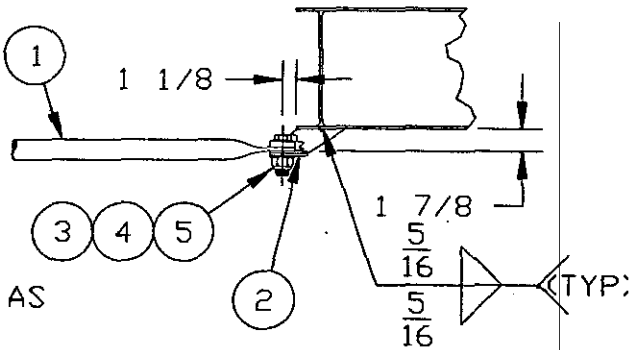


USE ITEM 10 TO SHIM AS REQUIRED TO PREVENT TWIST OR LEANING OF RADIATOR MODULE.

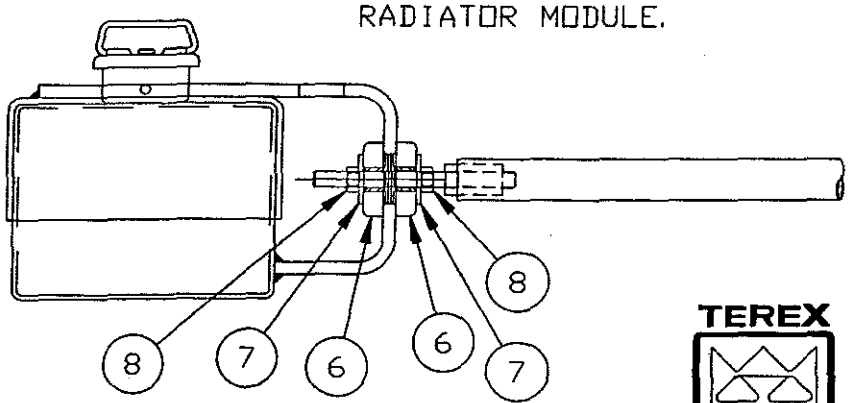


MOUTING ARRANGEMENT #1

SEE ASSEMBLY NOTE, ITEM #15 FOR " D"



MOUNTING ARRANGEMENT #2



VIEW A

TEREX UNIT RIG

RADIATOR MOUNTI ASSEMBLY

SHEET 1 OF 1

A84010

A84010W

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		60260W	BRACE, RADIATOR
2	1		84248A	BRACKET, RADIATOR SUPPORT
3	1		10065	CAPSCR, HX, 3/4-10NC X 2-1/2 GR 5
4	5		12185	NUT-HEX, FLXLC, 3/4-10
5	2		10169	WASHER, FL, 3/4 X 2.000 OD
6	2		17400	MOUNT-CENTER BOND
7	2		600006C2	WASHER- FLT PLT .64ID X 3
8	2		16403	NUT-HEX, FLXLC 5/8-11
9	4		947197	MOUNT SHOCK
10	12		84448A	WASHER-SNUBBING
11	4		10072	CAPSCR, HX, 3/4-10NC X 4-1/2 GR 5
12	1	*	84909P *	RADIATOR ASSEMBLY
15 R	1		N84010W	ASSY NOTE - NO DWG USE MOUNTING ARRANGEMENT #2
99 R	1		A84010	DWG ONLY, RAD MTG ASSY

MT4400 W/16V4000 TIER 1
W/YOUNG RADIATOR(IMPROVED)
W/2 PASS LTC

*SEE SERVICE PARTS

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94701
94261
E.N. NO.

TEREX UNIT RIG

RADIATOR MTG ASSY

SHEET 1 OF 1

A84010W

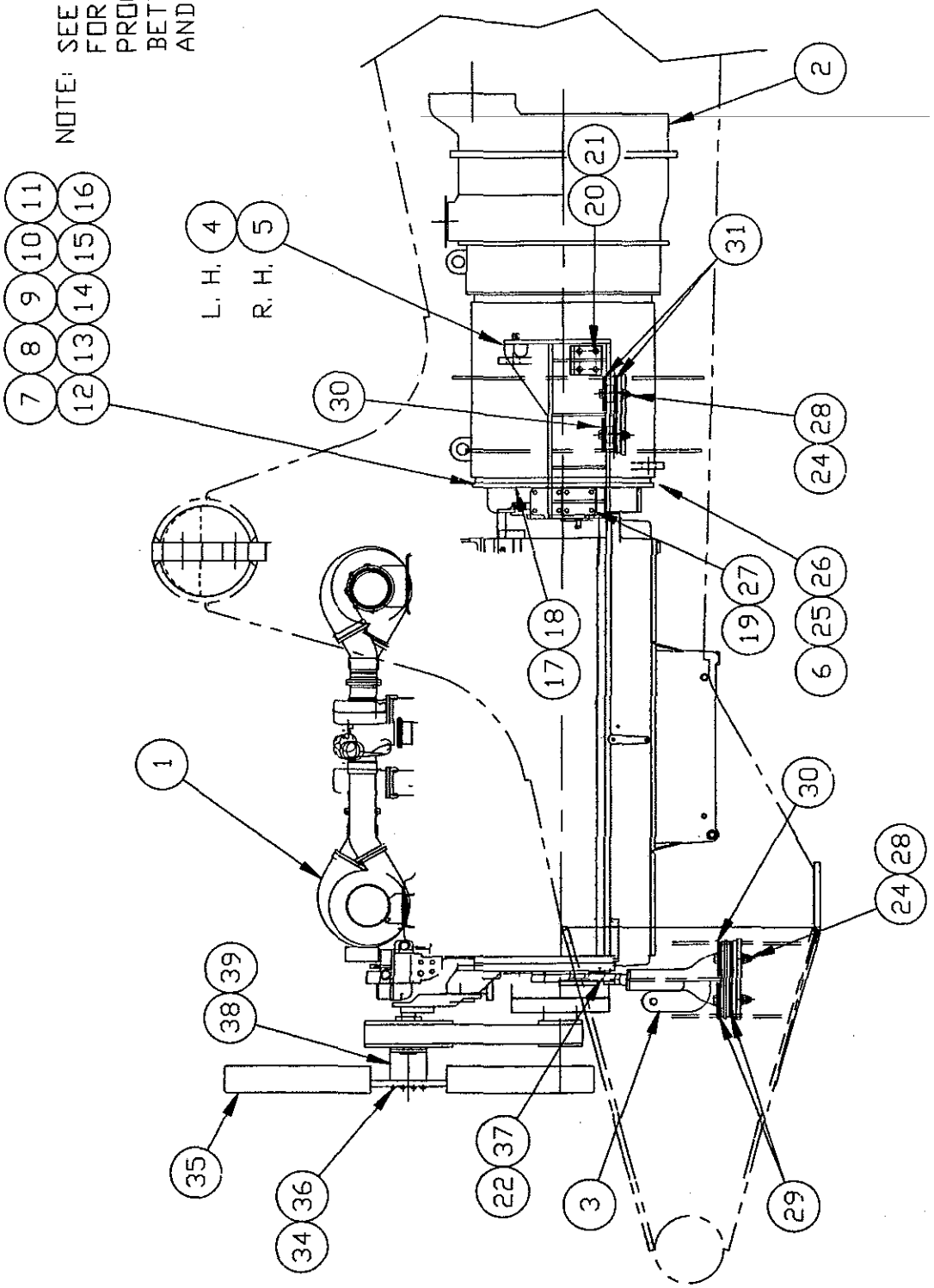
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ALVERT-TEREX

A84776

NOTE: SEE B.O.M. FOR SHIMMING PROCEDURE BETWEEN ENGINE AND ALTERNATOR

NOTE: APPLY THREAD LOCKING COMPOUND(P/N 257[illegible]) TO ITEMS 27 PER T-4[illegible]2.



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	90309
	90152
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TEREX
UNIT RIG

ENGINE & ALTERNATOR MOUNTING ASSEMBLY

SHEET 1 OF 1

A84776

A84776C

ITM	QTY	UM	COMPONENT	DESCRIPTION
1 R	1		ENGINE	SEE TRUCK SPEC
2 R	1		ALTERNATOR	SEE TRUCK SPEC
3	1		84219E	SUPPORT, ENGINE FRONT 16V4000 ENG.
4	1		80253U	BRACKET, ENG/ALT L. H. 16V4000 W/GTA26
5	1		80253V	BRACKET, ENG/ALT R. H. 16V4000 W/GTA26
7	1		62873E	SHIM, .010(2PCS=1 P/N) DDC4000 ENG FLYWHL/ GE ALTERNATOR
8	1		62873F	SHIM, .005(2PCS=1 P/N) DDC4000 ENG FLYWHL/ GE ALTERNATOR
9	1		62873G	SHIM, .020(2PCS=1 P/N) DDC4000 ENG FLYWHL/ GE ALTERNATOR
10	4		65883A	SHIM(.040)
11	4		65884A	SHIM(.060)
12	4		951674	SHIM, GEN TO HOUSING
13	4		951675	SHIM-GEN TO HOUSING
14	4		951676	SHIM GEN TO HOUSING
15 R	12		56359	CAPSCR, 12PT, 5/8-11NC X 3 GR 8, 3A THD
17	16		14569	CAPSCR, HXSKT, 5/8-11NC X 2-1/2 GR 8
19	12		10183	WASHER, LK, HELI, 5/8 X 1.079 OD
20	8		10095	CAPSCR, HX, 1-8NC X 3-1/2 GR 5
21	8		10186	WASHER, LK, HELI, 1" X 1.661 OD
22	6		10065	CAPSCR, HX, 3/4-10NC X 2-1/2 GR 5
24	8		10099	CAPSCR, HX, 1-8NC X 5-1/2 GR 5
27	12		55574-80	CAPSCR, HXHD M16 X 80MM LG, GR10.9
28	8		12333	NUT-HEX, FLXLC 1-8
29	8		85855A	MOUNT-CENTER BONDED W/ORANGE IDENTIFYING SPOT
30	8		951347	WASHER
31	8		85855A	MOUNT-CENTER BONDED W/ORANGE IDENTIFYING SPOT
34	24		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
35	1		56035	FAN-RADIATOR 68" FOR 5/8" MTG BOLTS
36	6		26118	CAPSCR, HX, 5/8-11NC X 8 GR 8

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9 6
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TEREX UNIT RIG

ENGINE & ALT MTG ASSY

A84776C

A84776C

ITM	QTY	UM	COMPONENT	DESCRIPTION
37	6		10184	WASHER, LK, HELI, 3/4 X 1.271 OD
38 R	1		85237A	SPACER, FAN 75MM
39	1		85237A	SPACER, FAN 75MM
49 R	1		T4831	SHIM PROCED, ENG/ALT
50 R	1		N84776B	ASSY NOTE: NO DWG SHIM ENGINE/ALTERNATOR PER PROCEDURE T4831. ON SERIES 4000 ENGINES, MAKE ALL MEASUREMENTS WITH HOUSING ADAPTER ATTACHED TO ENGINE. REMOVE ADAPTER FROM ENGINE AND ATTACH TO ALTERNATOR USING REQUIRED SHIMS.
99 R	1		A84776	DWG ONLY, ENG/ALT MTG

MT4400 W/16V4000
68" FAN

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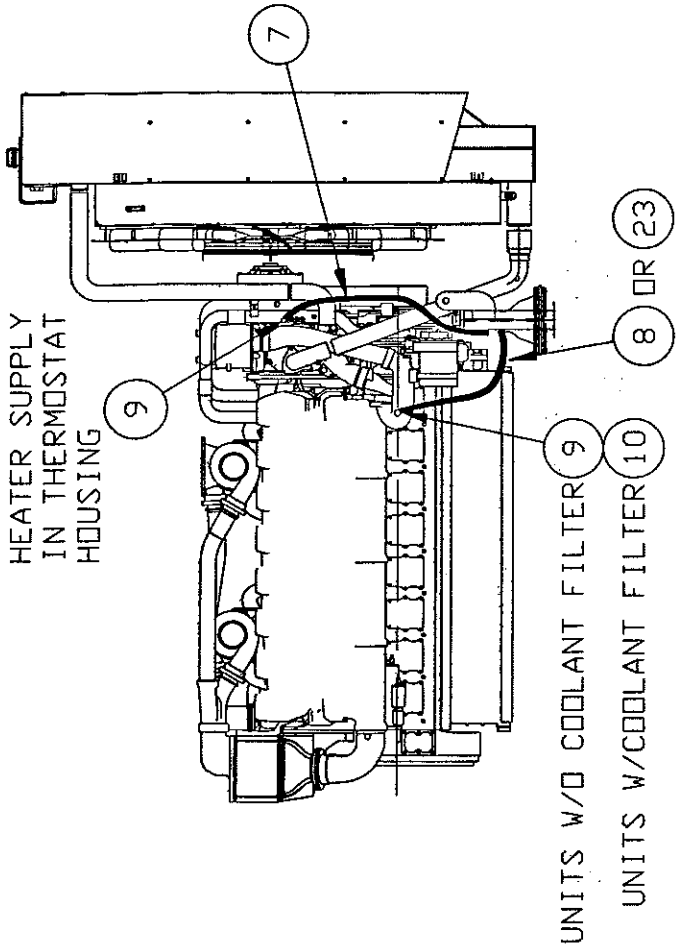
TEREX
UNIT RIG

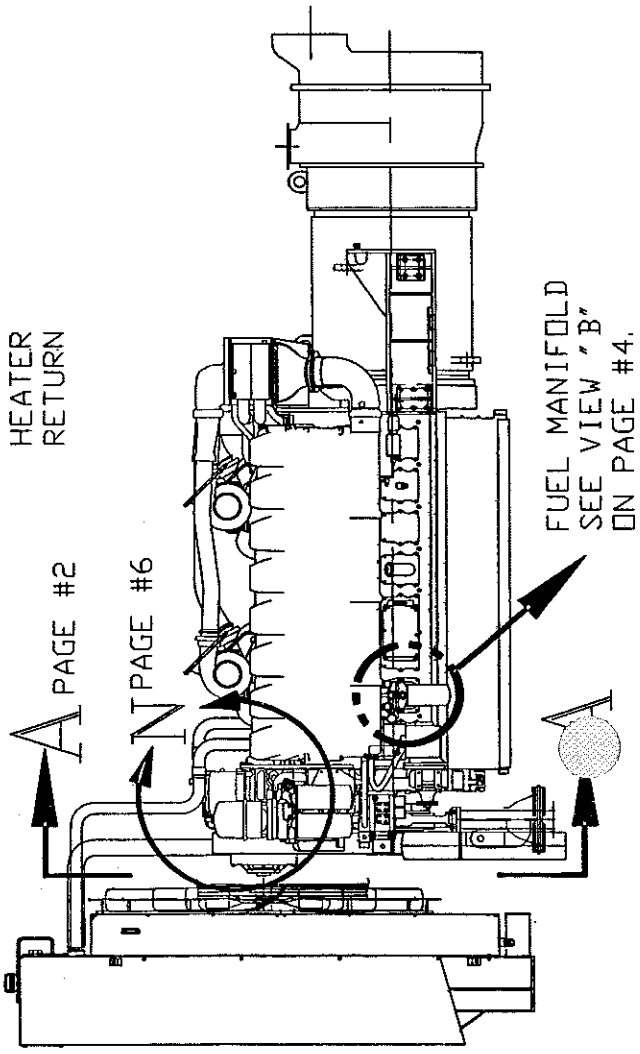
ENGINE & ALT MTG ASSY

A84776C

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95540	
RED	
90390	
E.N. NO.	

TEREX
UNIT RIG

ENGINE PIPING ASSEMBLY

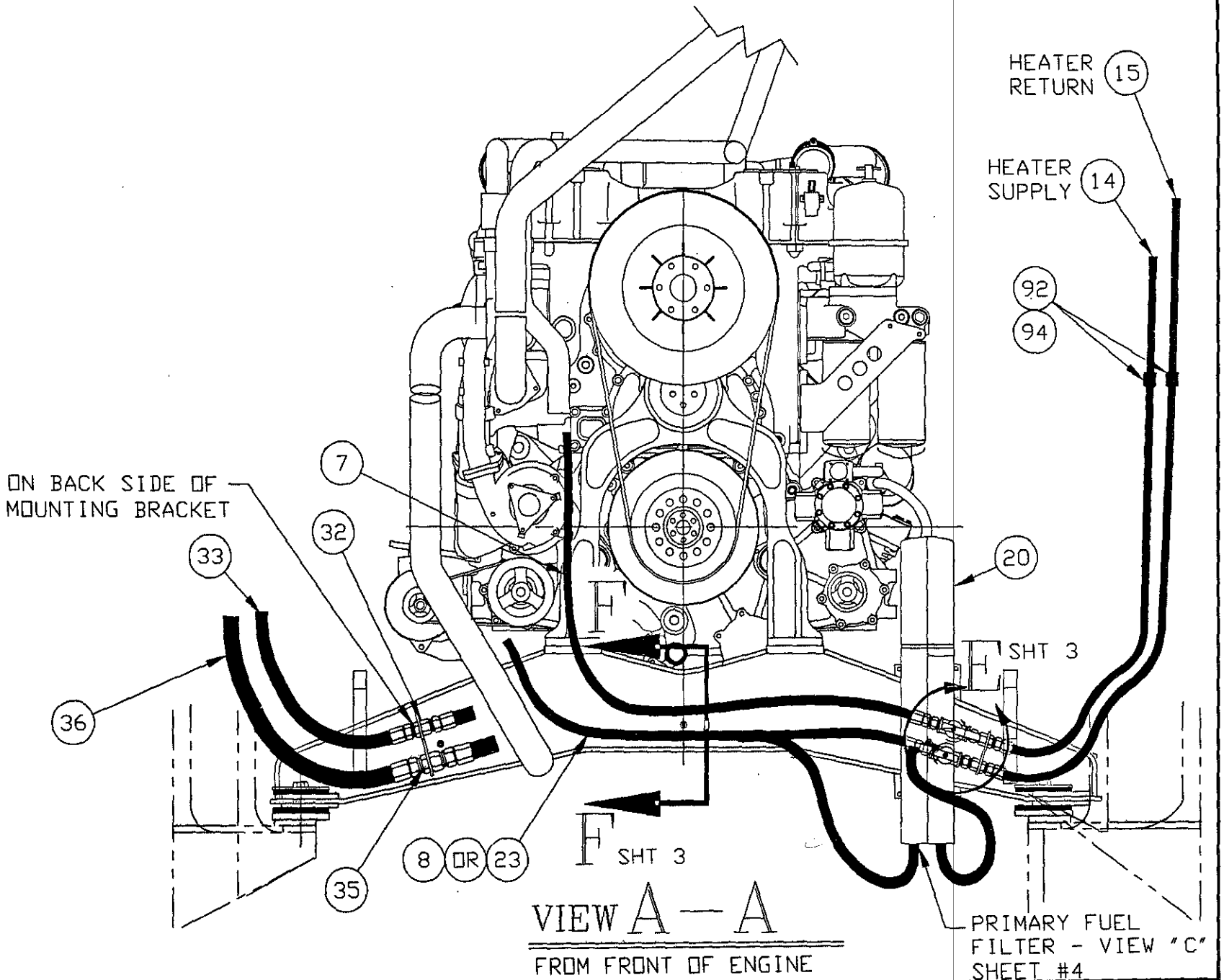
SHEET 1 OF 8

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E.N. NO.	DR.	ENG. APP.	REL. CK.
90390	T. DODEN		

ALVERT-TEREX A84963



VIEW A — A

FROM FRONT OF ENGINE

TEREX UNIT RIG

ENGINE PIPING ASSEMBLY

SHEET 2 OF 8

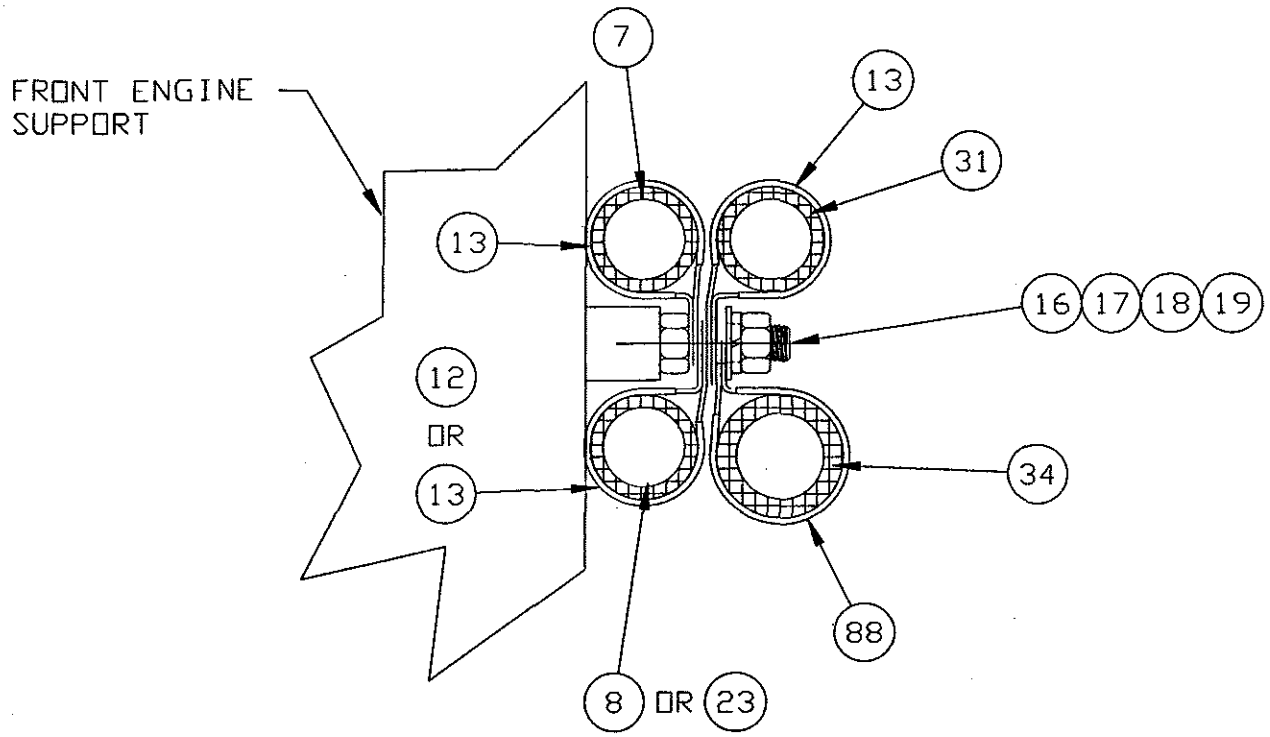
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B1115389

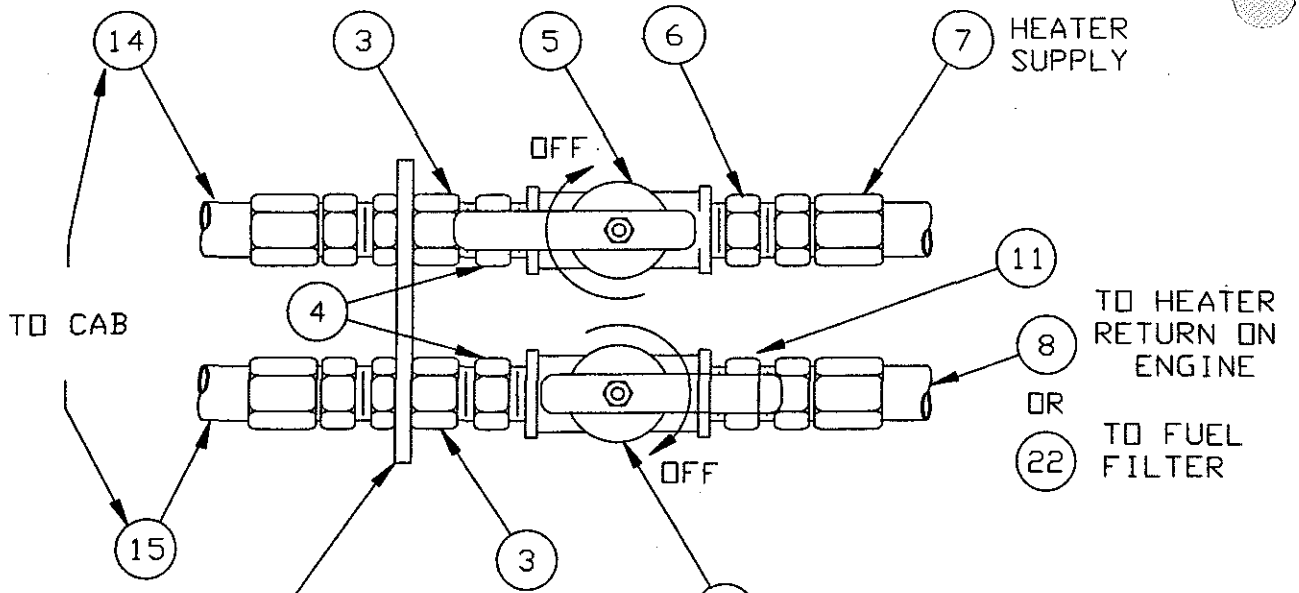
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ENG. APP.
REL. CK.



VIEW F—F



VIEW E

ON REAR SIDE OF FRONT ENGINE SUPPORT

95540
RED
90390
E.N. NO.

TEREX UNIT RIG

ENGINE PIPING ASSEMBLY

SHEET 3 OF 8

A84963

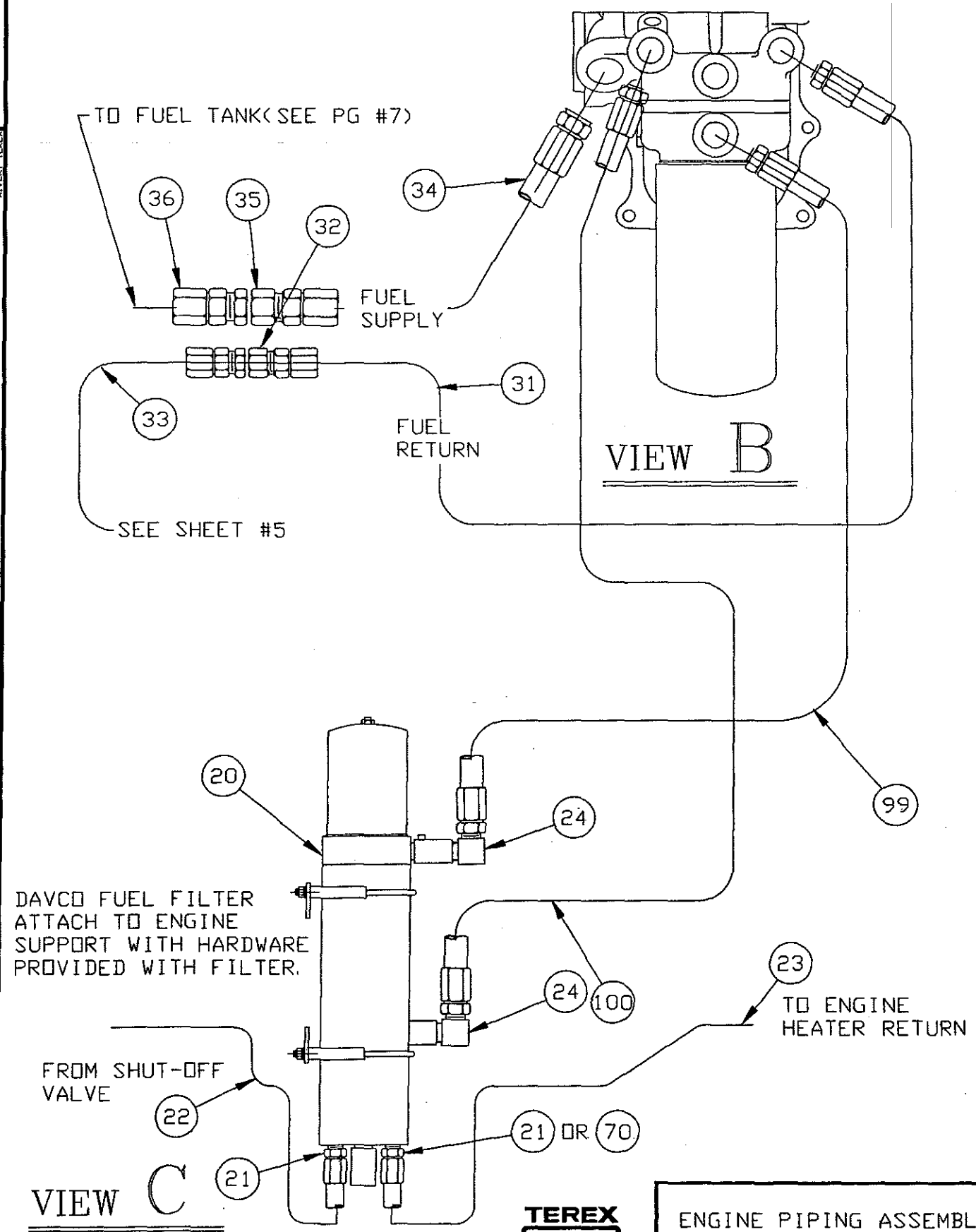
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REL. CK.

95540
REL

90390
E.N. NO.



TEREX
UNIT RIG

ENGINE PIPING ASSEMBLY

SHEET 4 OF 8

A84963

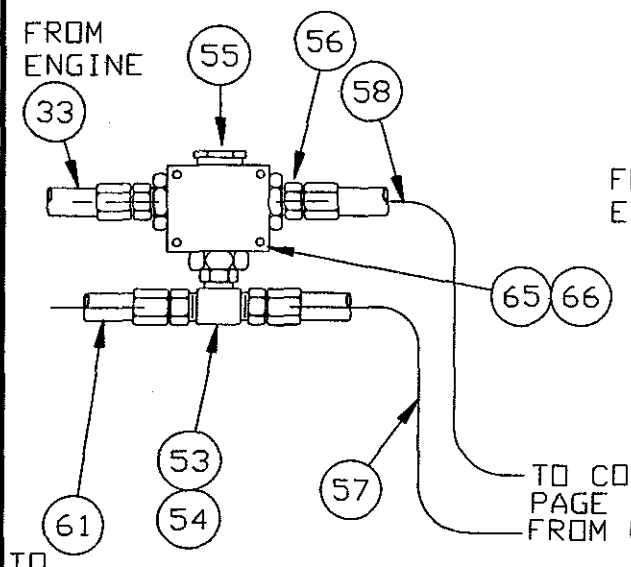
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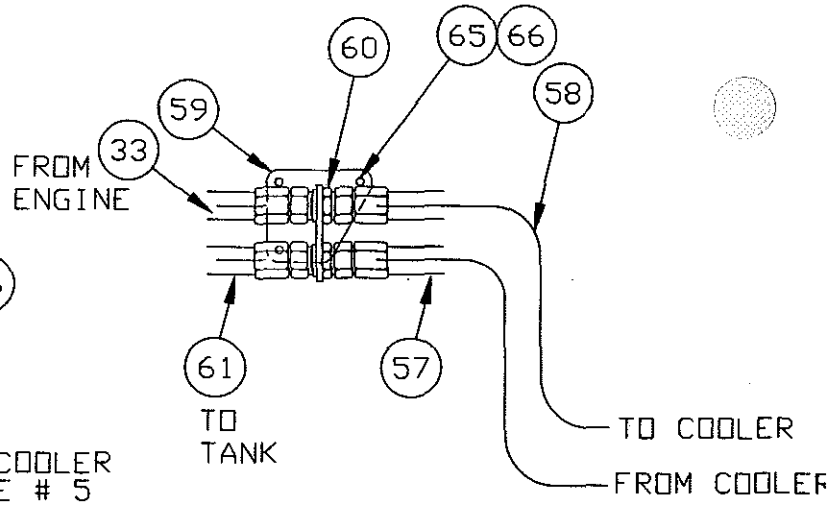
DR. T. DODEN

ENG. APP.

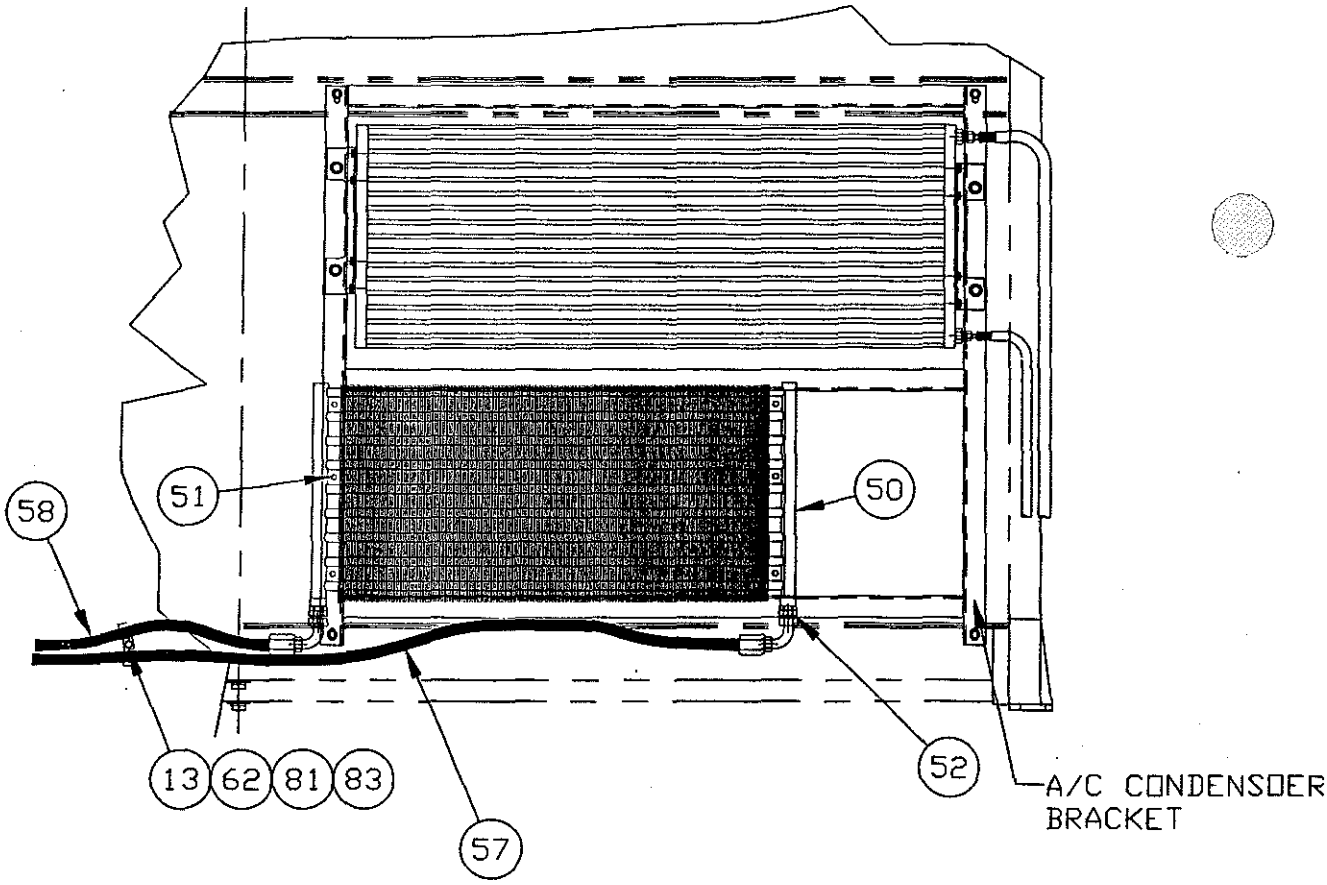
REL. CK.



UNITS WITH THERMOSTAT



UNITS W/O THERMOSTAT



FUEL COOLER MOUNTING

95540

RED

90390

E.N. NO.

TEREX
UNIT RIG

ENGINE PIPING ASSEMBLY

SHEET 5 OF 8

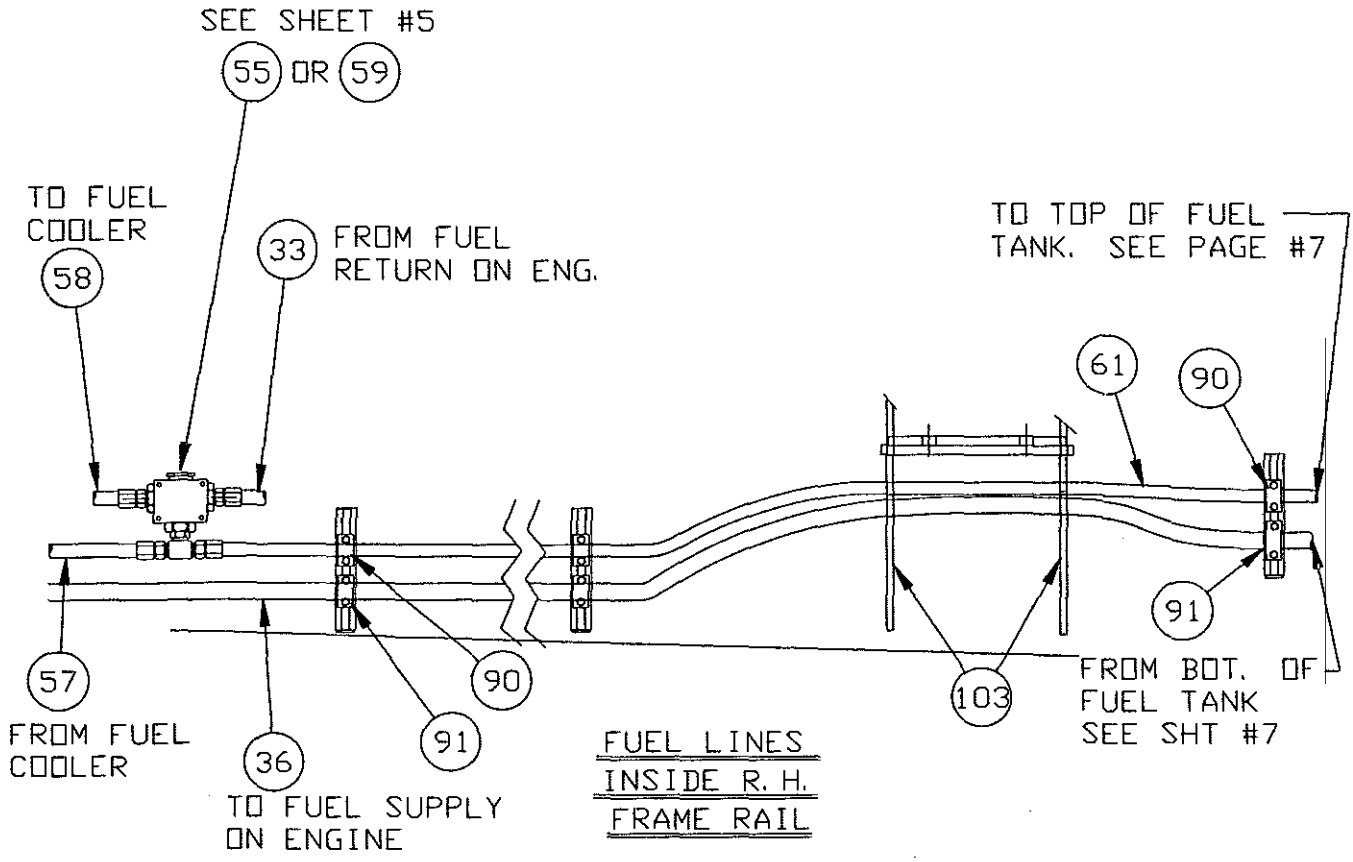
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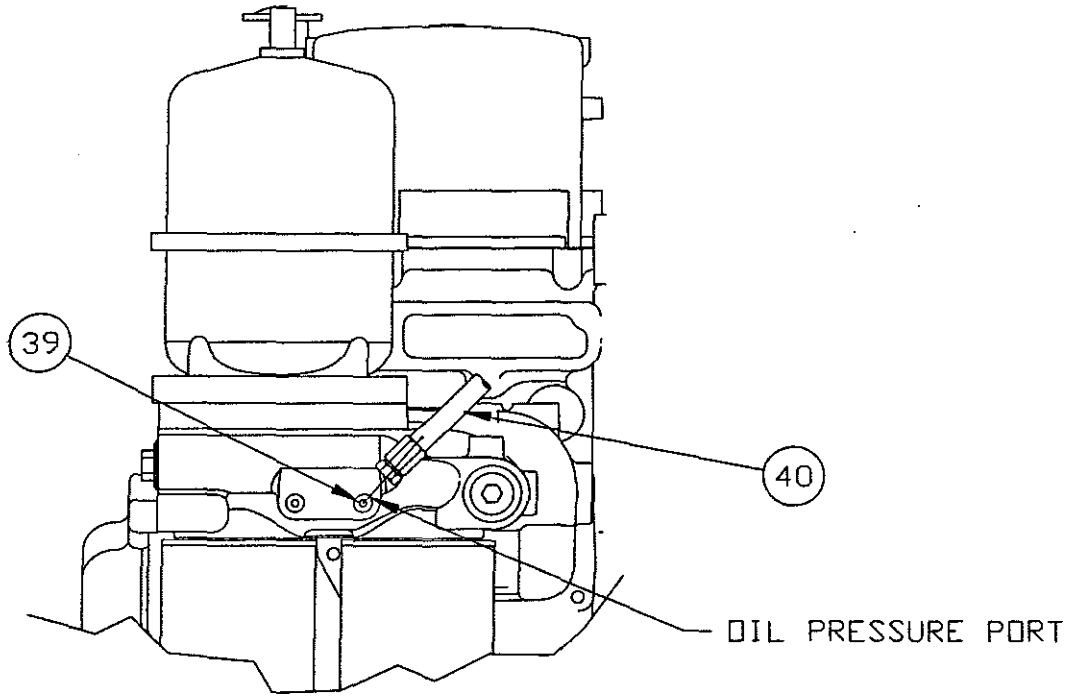
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ENG. APP.
REL. CK.

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REV
90390
E.N. NO.





VIEW N

TEREX
UNIT RIG

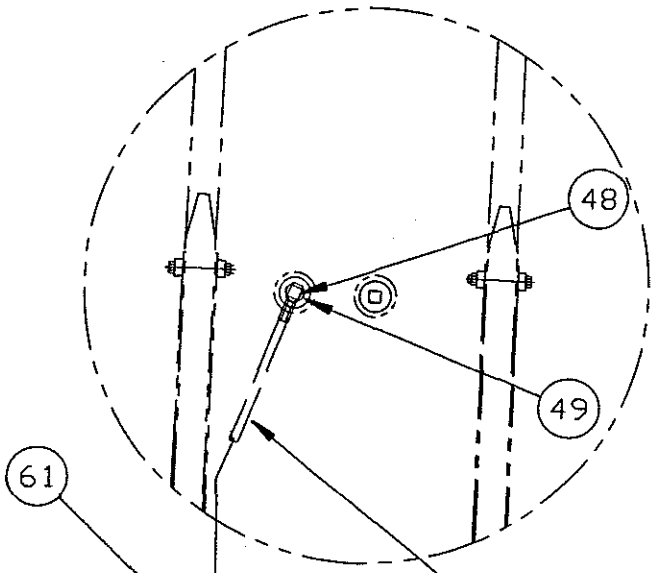
ENGINE PIPING ASSEMBLY

SHEET 6 OF 8

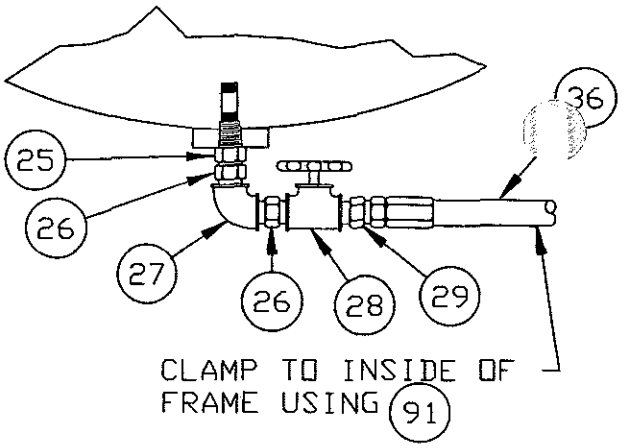
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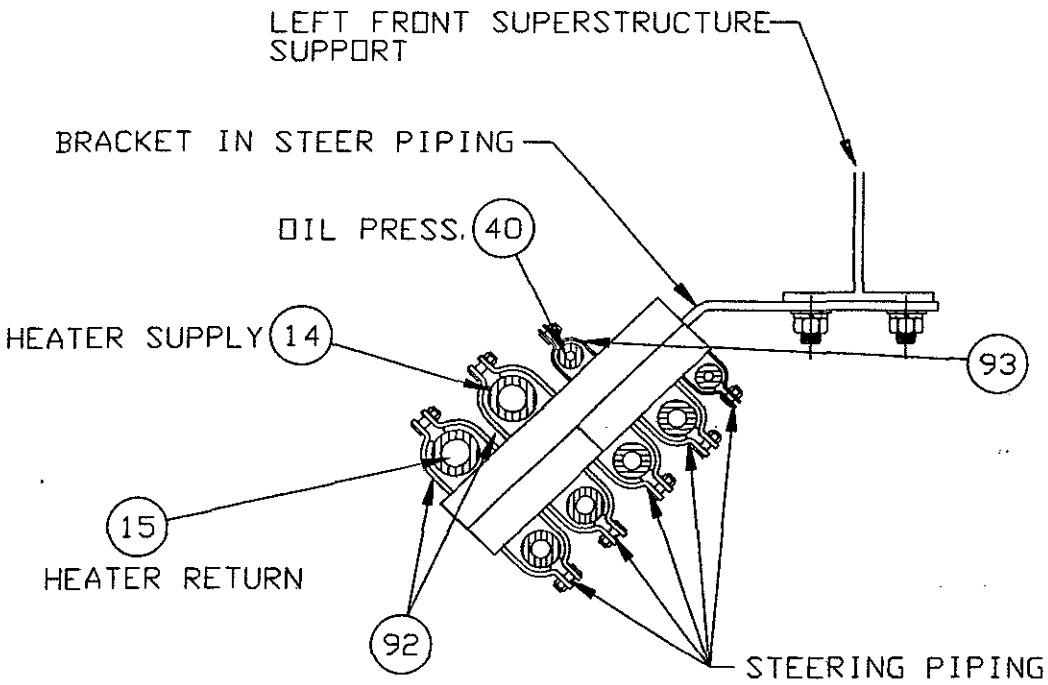
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TOP OF FUEL TANK



FUEL SUCTION ON BOTTOM OF FUEL TANK.



TYPICAL HOSE ROUTING FROM ENGINE TO SUPERSTRUCTURE

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ENG. APP.	
REL. CK.	
	95540
	RED
	90390
E.N. NO.	

TEREX UNIT RIG

ENGINE PIPING ASSEMBLY

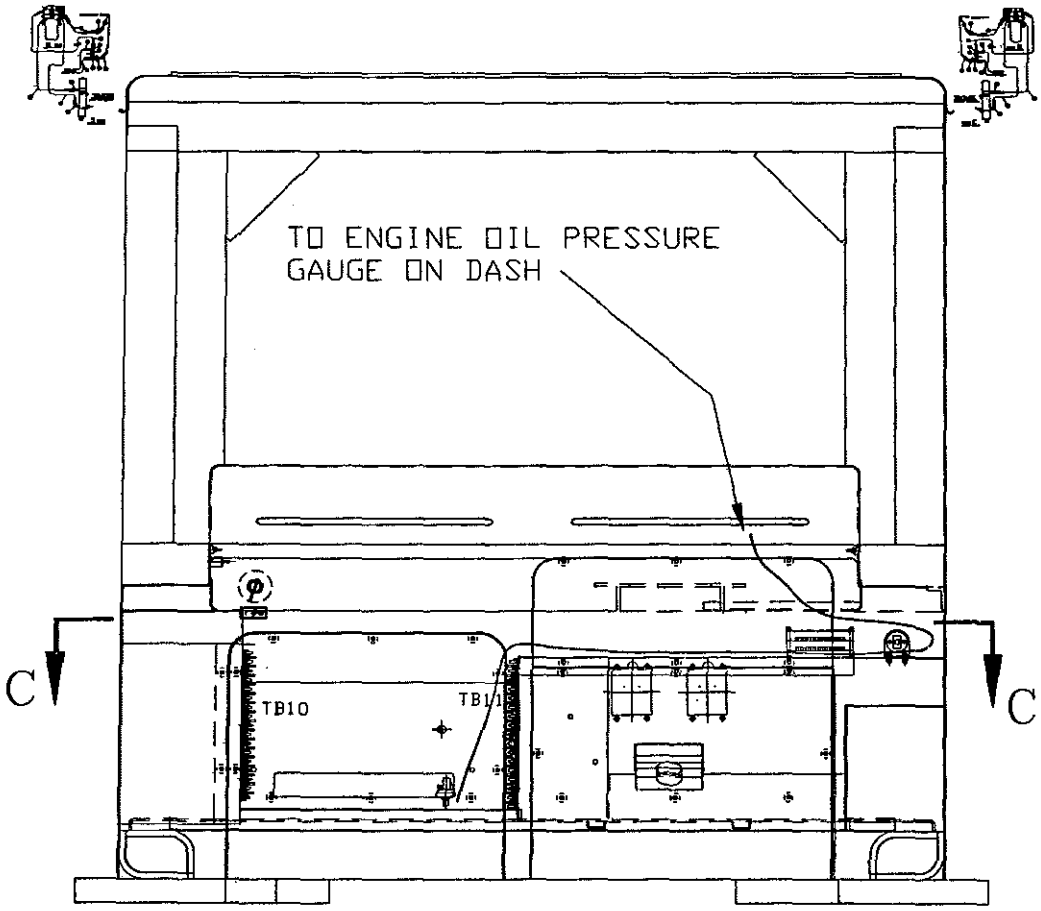
SHEET 7 OF 8

A84963

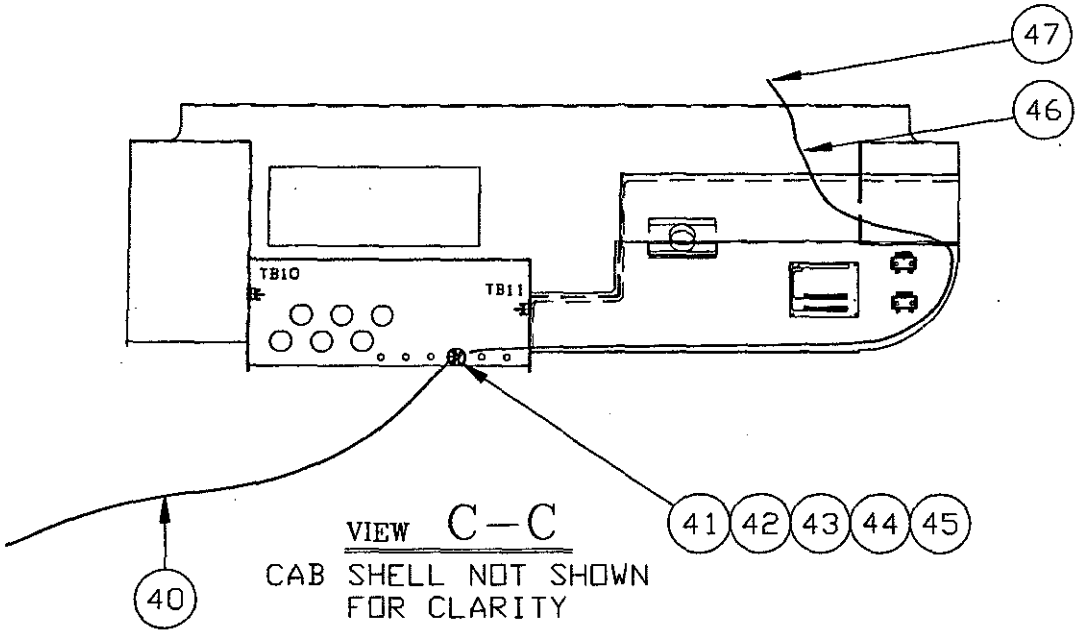
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REL. CK.



FRONT VIEW OF CAB



VIEW C—C
CAB SHELL NOT SHOWN FOR CLARITY

95540
RED
90390
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TEREX
UNIT RIG

ENGINE PIPING ASSEMBLY

SHEET 8 OF 8

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ITM	QTY	UM	COMPONENT	DESCRIPTION
3	2		27796	ADAPTER, BULKHD STR #12 JIC, MALE X 3/4 NPTF, FEMALE
4	2		19912	ADAPTER, NIPPLE, HEX 3/4 NPTF, MALE
5	2		24146	VALVE, BALL 3/4" NPT 3/4 FPTF, FEMALE
6	1		980046	ADAPTER, STRAIGHT #12 JIC, MALE X 3/4 NPTF, MALE
7	1		54479	HOSE ASSY FC300-12 85" LG W/ 411 & 190261 FTGS
8	1		85458E-098	HOSE ASSY FC300-10 98"LG W/STR & 90 DEG JIC FTGS
9 R	1		56351	ADAPTER, STR. METRIC #12 JIC MALE X M30 MALE O-RING NOT ISO6149
10	1		57211-1018	ADAPTER, STR METRIC #10 JIC MALE X M18 METRIC
11	1		21271	ADAPTER, STRAIGHT #10 JIC, MALE X 3/4 NPTF, MALE
12	3		18939	CLAMP-CUSHIONED 1"
13	8		17142	CLAMP-CUSHION 1-1/16
13	2		17142	CLAMP-CUSHION 1-1/16
14	1		17826	HOSE ASSY 211-12 138" LG W/319-12 FTGS
15	1		17826	HOSE ASSY 211-12 138" LG W/319-12 FTGS
16	4		79022B	ROD, ALL THRD, 3/8-16NC X 2" LG
17	4		10136	NUT, HX, JAM, 3/8-16NC, ZP STL GR 2
18	4		10126	NUT, HX, 3/8-16NC STL GR 5
19	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
20 R	1		FILTER/FUEL	FILTER, FUEL INCLUDED WITH ENGINE
24	2		947811	ADAPTER, 90 DEG #16 JIC, MALE X 1 NPTF, MALE
25	1		61902C	PIPE-FUEL SUCTION
26	2		24264	ADAPTER, NIPPLE, HEX 1 NPTF, MALE
27	1		21645	ELBOW-PIPE, 90 DEG 1" NPT
28	1		16200	VALVE-GATE 1 NPTF, FEMALE

DR. DODEN
ENG. APP. MURPHY
REL. CK. DORROUGH

95540
E.N. NO.

TEREX
UNIT RIG

ENGINE PIPING ASSEMB...

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ITM	QTY	UM	COMPONENT	DESCRIPTION
29	1		947812	ADAPTER, STRAIGHT #16 JIC, MALE X 1 NPTF, MALE
31	1		1025186	HOSE ASSY FC300-12 93" LG W/ 411 & 190261 FTGS.
32	1		21282	ADAPTER, BULKHD STR #12 JIC, MALE
33	1		1003720	HOSE ASSY 213-12 28"LG W/7117 FTGS
34	1		54482	HOSE ASSY FC300-16 83" LG W/ 411 & 190261 FTGS
35	1		29439	ADAPTER, 45 DEG BULKHD #16 JIC, MALE
36	1		54483	HOSE ASSY FC300-16 270" LG W/411 FTGS
39	1		56172	ADAPTER, STR. METRIC #4 JIC MALE X M14 X 1.5, MALE ISO6149
40	1		17701	HOSE ASSY 211-04 144" LG W/319-04 FTGS
41	1		10350	TEE, PIPE, 1/8NPT X 0.687 MI 150PSI
42	1		24261	ADAPTER, NIPPLE, HEX 1/8 NPTF, MALE
43	1		25588	ADAPTER, 90 DEG, BRASS 1/4 O.D. NYLON TUBE X 1/8 NPTF, MALE
44	1		27586	ADAPTER, BULKHD STR #4 JIC, MALE X 1/8 NPTF, FEMALE
45	1		83405E	SWITCH (DWG 83405A-Z) NORMALLY OPEN 15 PSI
46	72	IN	51853	TUBE, BULK NYLON, 1/4 O.D. X .033WL
47	1		52427	ADAPTER, STR, BRASS 1/4 O.D. NYLON TUBE X 1/8 NPTF, FEMALE
48	1		986177	ADAPTER, 90 DEG, ELBOW #12 JIC MALE X 3/4 NPT MALE
49	1		11710	BUSH, 2X3/4NPT MI 150PSI HEX
50	1		56168	COOLER, OIL/AIR FUEL
51	6		56169	MOUNT, COOLER
52	2		20122	ADAPTER, STRAIGHT #12 JIC, MALE X #12 O-RING, MALE

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ENG. APP.

REL. CK.

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TEREX UNIT RIG

ENGINE PIPING ASSEMBLY

A84963F

A84963F

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	53	1		1015405	ADAPTER-TEE, RUN #12 JIC, MALE X #12 O-RING ADJ BRANCH
	54	1		55413	ADAPTER-REDUCER #20 O' RING, MALE X #12 O' RING, FEMALE
S	55	1		* 56323 *	VALVE-THERMO
	56	2		1015355	ADAPTER-STR SHORT #12 JIC, MALE X #20 O-RING, MALE
	57	1		54488	HOSE ASSY FC300-12 154" LG W/411 & 190261 FTGS
	58	1		54489	HOSE ASSY FC300-12 116" LG W/411 & 190261 FTGS
	61	1		54485	HOSE ASSY FC300-12 325" LG W/411 FTGS
	62	4		948634	PAD, BOLTING 3/8 NC 3/4 OD X 3/4 LG
	65	3		12555	CAPSCR, HX, 1/4-20NC X 3-3/4 GR 5
	66	3		10162	WASHER, FL, 1/4 X 0.625 OD
	81	4		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
	81	2		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
	83	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
	83	6		10164	WASHER, FL, 3/8 X 1 OD, ZP
	88	4		17143	CLAMP-CUSHION 1-9/16
S	90	4		* 84211G *	CLAMP-SUPPORT ASSY 1.05 ID
S	91	4		* 84211H *	CLAMP-SUPPORT ASSY 1.25 ID
	92	6		72108C	CLAMP-PIPE 3/4
	93	3		69546A	CLAMP-TUBE 1/2
	99	1		54480	HOSE ASSY FC300-16 36" LG W/ 411 & 190261 FTGS
	100	1		54481	HOSE ASSY FC300-16 45" LG W/ 411 & 190261 FTGS
	103	40	IN	53322	TRIM-EDGES
	199 R	1		A84963	DWG ONLY, ENG PPG

MT4400 W/16V4000 ENG. W/ENGINE MTD COOLANT FILTER.

*SEE SERVICE PARTS

*SEE SERVICE PARTS

TEREX UNIT RIG

ENGINE PIPING ASSEMBLY

SHEET 2 OF 3

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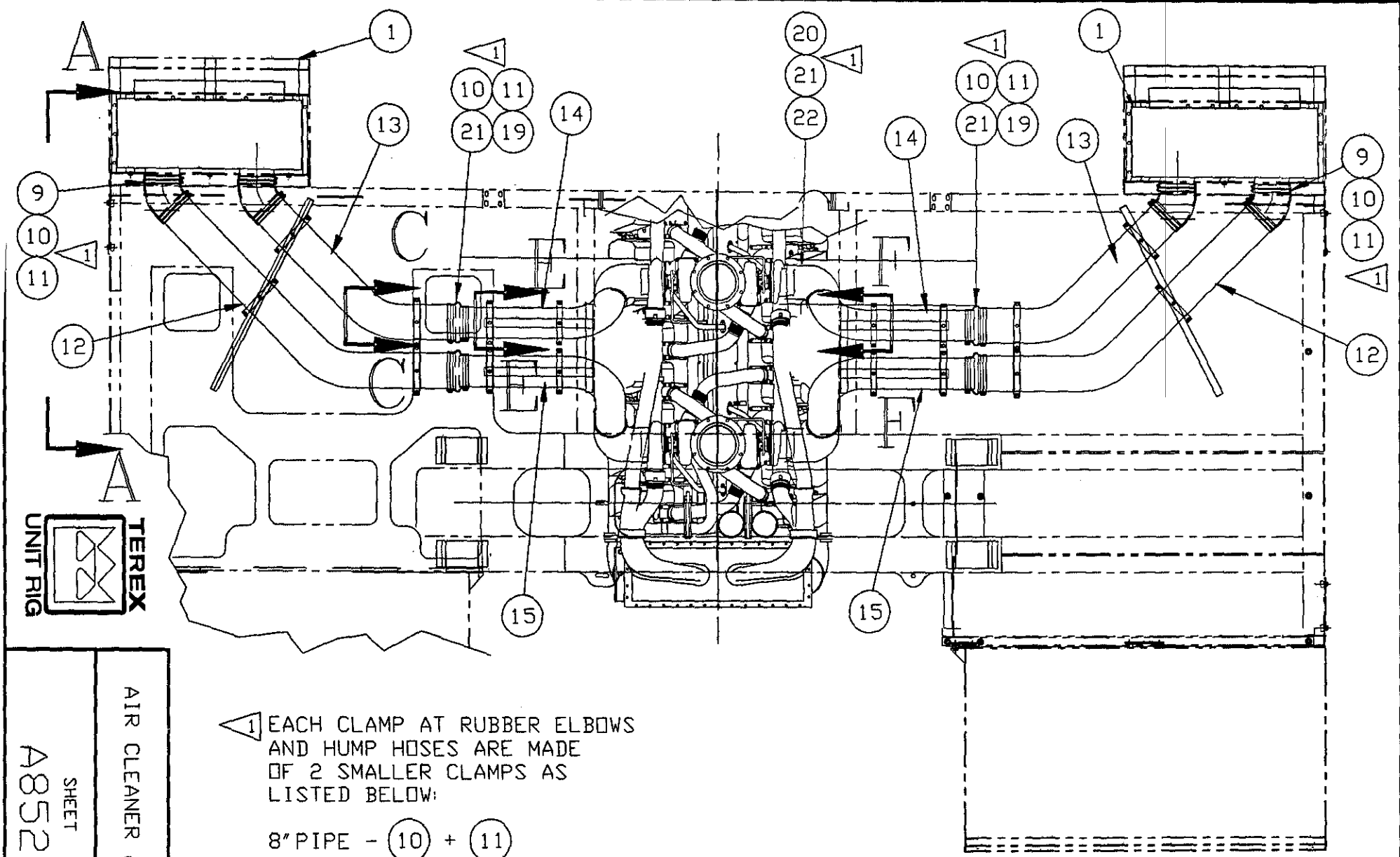
E.N. NO.

E.N. NO.	DR.	ENG. APP.	REL. CK.
91183	DODEN	ROBINSON	ELLIS
91538			
65			
94811			

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TEREX UNIT RIG

AIR CLEANER ASSEMBLY

SHEET 1 OF 3

A85246

△1 EACH CLAMP AT RUBBER ELBOWS AND HUMP HOSES ARE MADE OF 2 SMALLER CLAMPS AS LISTED BELOW:

8" PIPE - (10) + (11)

7" PIPE - 2 X (21)

6" TURBO - 2 X (22)

NOTE:
(1) CHECK INSIDE OF PIPES TO INSURE THAT THEY ARE CLEAN AND FREE OF RUST, DEBRIS AND LOOSE WELD SPLATTER.
(2) DOUBLE CLAMP ALL CONNECTIONS.

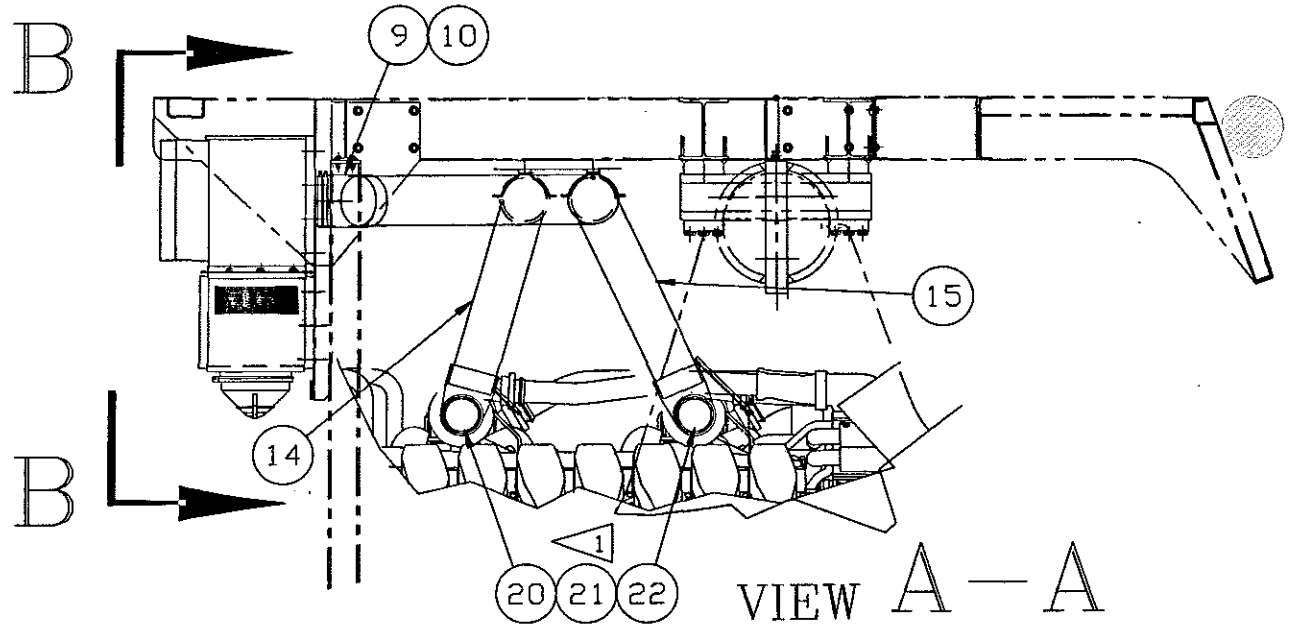
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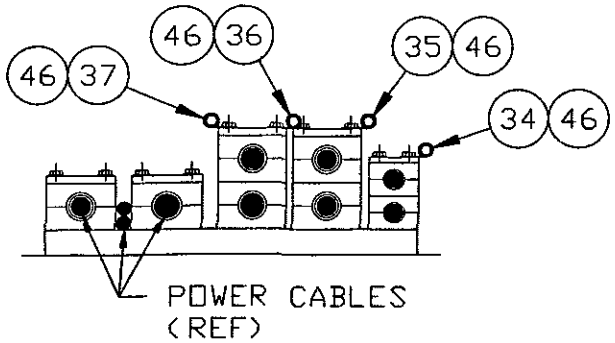
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ENG. APP.
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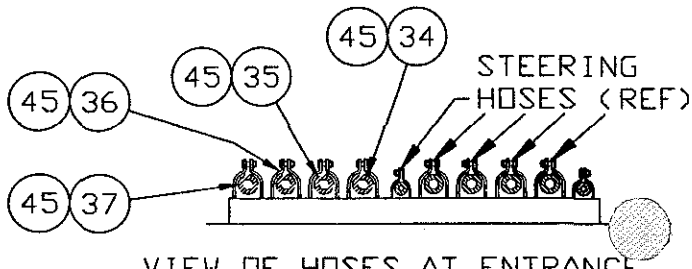
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E.N. NO.



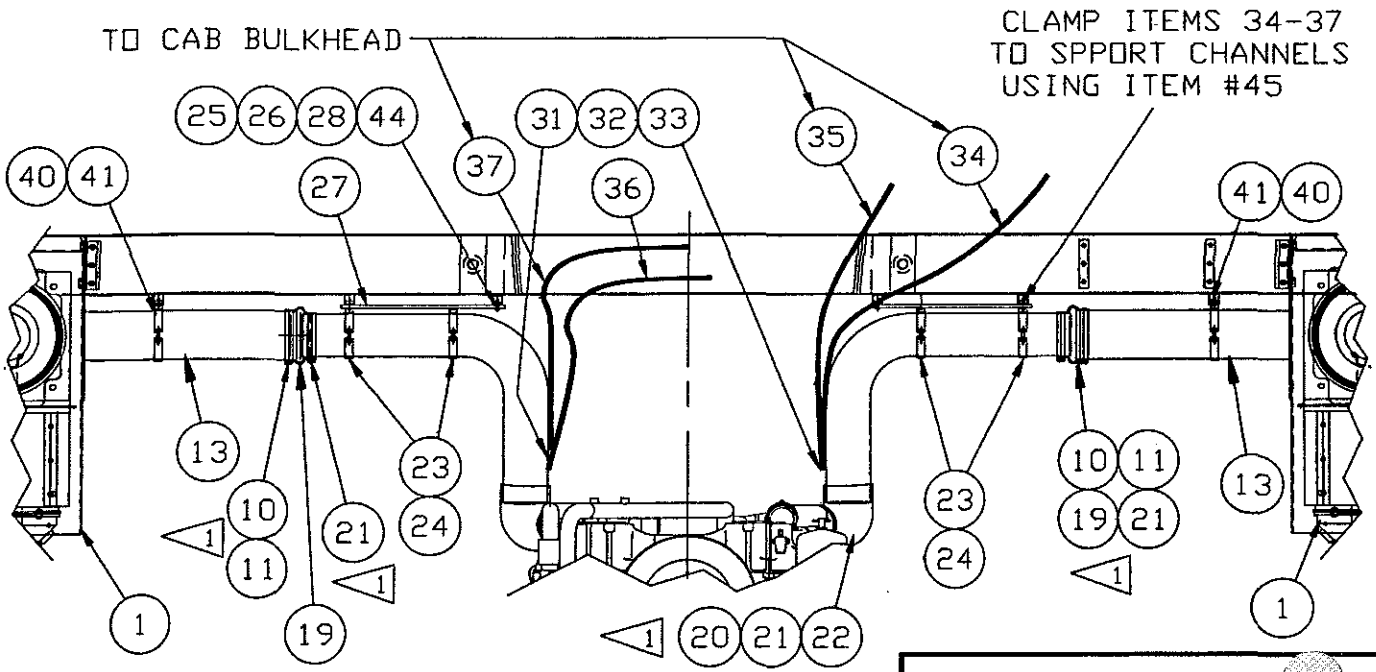
VIEW A — A



VIEW OF HOSES AT ENTRANCE TO SUPERSTRUCTURE (MT5500)



VIEW OF HOSES AT ENTRANCE TO SUPERSTRUCTURE (MT4400)



VIEW B — B

TEREX
UNIT RIG

AIR CLEANER ASSEMBLY

SHEET 2 OF 3

A85246

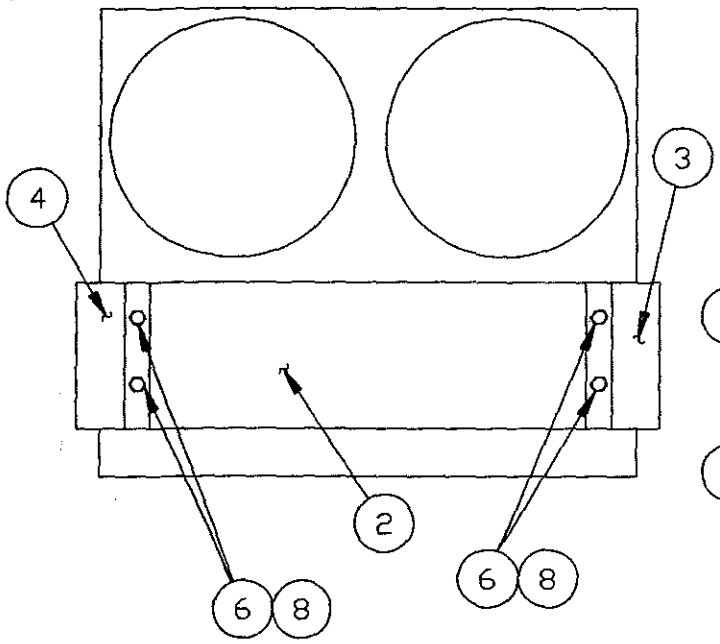
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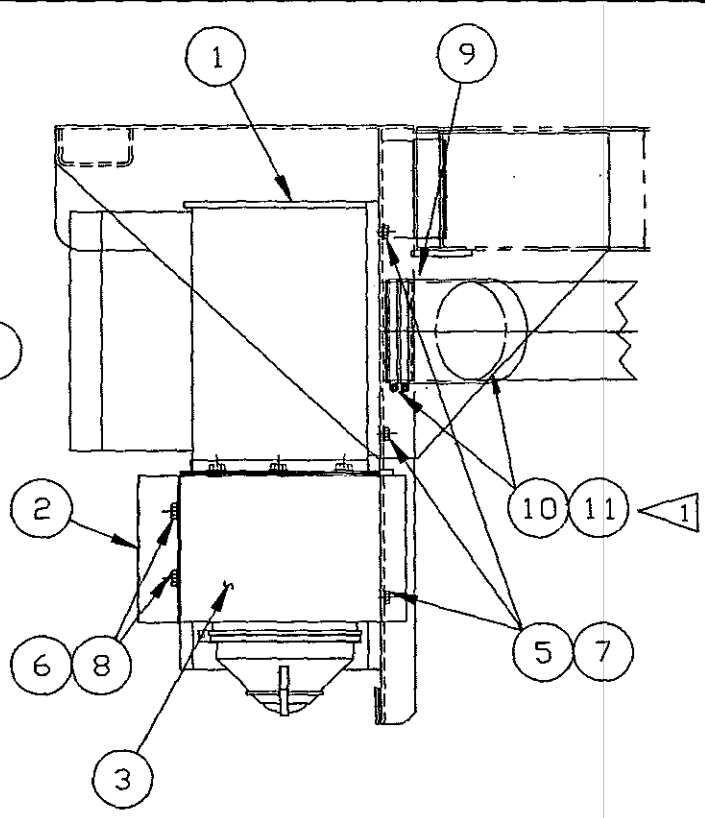
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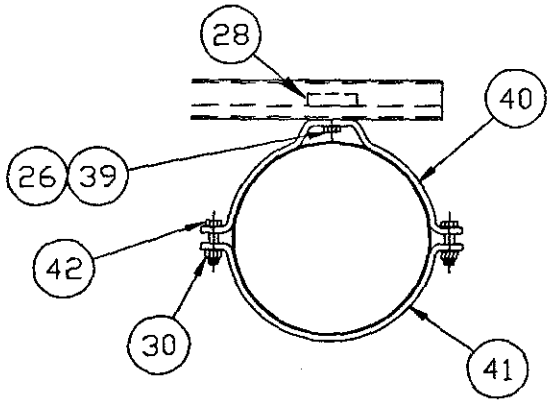
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ENG. APP.
REL. CK.

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E.N. NO.

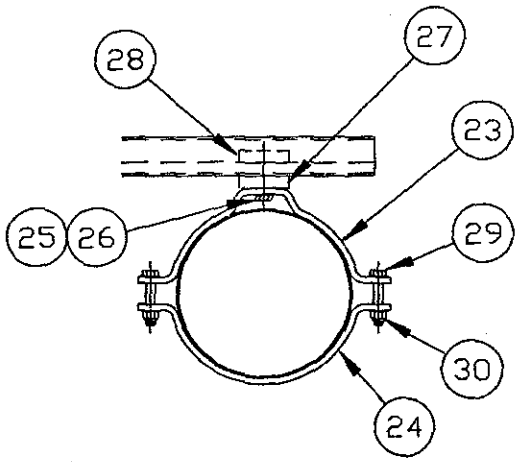






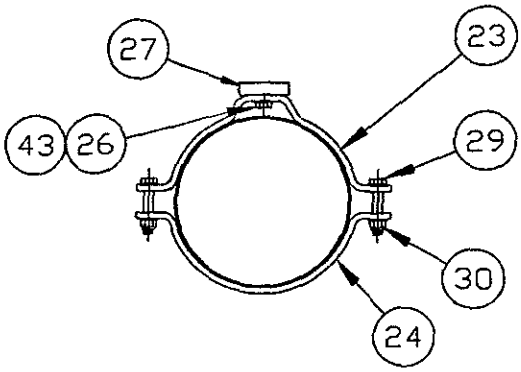
VIEW C — C

TYPICAL 8 PLCS



VIEW E — E

TYPICAL 4 PLCS



VIEW F — F

TYPICAL 4 PLCS

TEREX
UNIT RIG

AIR CLEANER ASSEMBLY

SHEET 3 OF 3

A85246

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	2		55397	AIR CLEANER
	2	2		23254	SHIELD RAIN RT FRONT
	3	2		23215	SHIELD, RAIN FRONT LH
	4	2		23216	SHIELD, RAIN FRONT RH
	5	24		10044	CAPSCR, HX, 5/8-11NC X 1-1/4 GR 5
	6	8		10183	WASHER, LK, HELI, 5/8 X 1.079 OD
	7	24		1000995	WSHR, HARDND, 5/8 X 1-3/4 OD REG
	8	8		10043	CAPSCR, HX, 5/8-11NC X 1 GR 5
	9	4		1002856	ELBOW, 45 DEG 8" ID
	10	24		1002397	CLAMP (DWG 1101600) SIZE 425
	11	24		1002398	CLAMP (DWG 1101600) SIZE 450
	12	2		84911X	PIPE-AIR CLEANER
	13	2		84911Y	PIPE-AIR CLEANER
	14	2		84928Y	PIPE, AIR CLEANER
	15	2		84928Z	PIPE, AIR CLEANER
	19	4		22981	HUMP HOSE REDUCER 8 X 7 X 6" LG
	20	4		56139	ELBOW, RUBBER 7X6X90
	21	32		1002395	CLAMP (DWG 1101600) SIZE 375
	22	16		1002393	CLAMP (DWG 1101600) SIZE 344
	23	8		78492A	SUPPORT-TUBE 7"
	24	8		72429A	SUPPORT TUBE 7" ID
	25	8		34021	CAPSCR, HXDRL, 3/8-16NC, ZP X 1-3/4 GR 5
	26	20	FT	22324	WIRE, SAFETY(.041 DIA)
	27	4		85068A	BRACKET, PIPE HANGERS
	28	16		28865	NUT CHANNEL
	29	16		10016	CAPSCR, HX, 3/8-16NC X 2 GR 5
	30	16		17413	NUT-HEX, FLXLC 3/8-16
	30	16		17413	NUT-HEX, FLXLC 3/8-16
	31	4		51309	RESTRICTION ADAPTER-SAFETY
	32	4		17629	ADAPTER, 90 DEG #4 JIC, MALE X 1/8 NPTF, MALE
	33	4		24546	BUSHING-REDUCER, 1/4X1/8NPT MI 150PSI HEX
	34	1		1024104	HOSE ASSY 211-04 133 LG W/ 319 FTGS
	35	1		51793	HOSE ASSY 211-04 150" LG W/319 FITTINGS
	36	1		25625	HOSE ASSY 211-04 243" LG W/319-04 FTGS
	37	1		19267	HOSE ASSY 211-04 252" LG W/319-04 FTGS

A85246B

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ENG. APP.	WFR
REL. CK.	ELLIS
	94811
	92680
	92539
E.N. NO.	

TEREX
UNIT RIG

AIR CLEANER PIPING

A85246B

ITM	QTY	UM	COMPONENT	DESCRIPTION
39	8		22674	CAPSCR, HXDRL, 3/8-16NC X 1-1/4/ GR 5
40	8		78492B	SUPPORT-TUBE 8"
41	8		69712E	SUPPORT, TUBE 8"
42	16		10015	CAPSCR, HX, 3/8-16NC X 1-3/4 GR 5
43	4		7980	CAPSCR, HXDRL, 3/8-16NC X 3/4 GR 5
44	4		1014913	WASHER, HARDND, 3/8 X 1" OD REGULAR
45	12		69546A	CLAMP-TUBE 1/2
99 R	1		A85246	DWG ONLY, AIR CLNR PPG

MT4400 W/16V4000
W/AC S/S

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AIRDM

DR. DODEN

ENG. APP.

REL. CK.

92680

92539

E.N. NO.

TEREX
UNIT RIG

AIR CLEANER PIPING

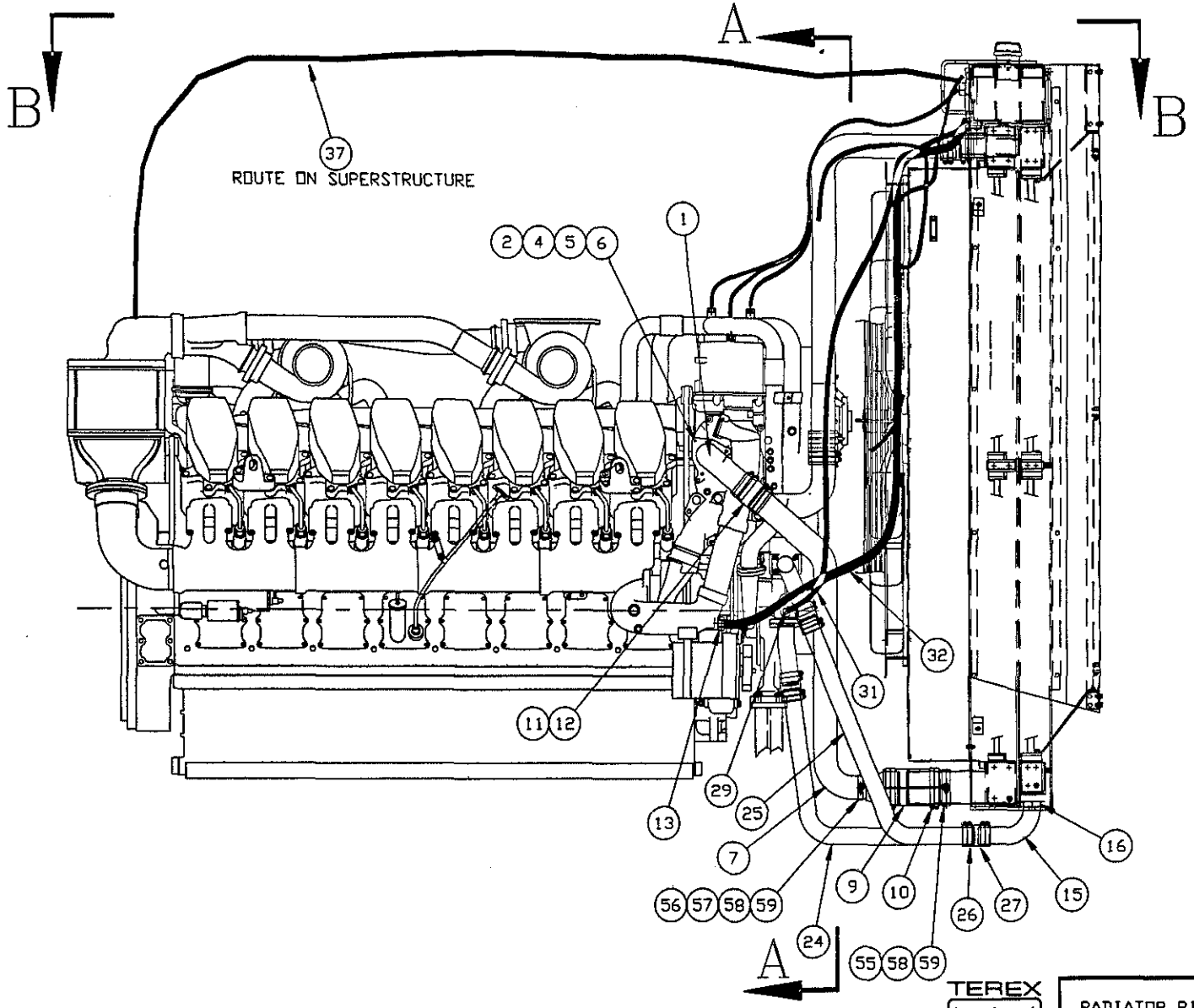
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A85248

DR.	T. DODEN
ENG. APP.	WFR
REL. DR.	J. ELLIS
	93205
	92036
	91821
	91556
	91188
E.N. NO.	



TEREX MINING

RADIATOR PIPING ASSY

SHEET 1 OF 2

A85248

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ENG. APP.

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93205

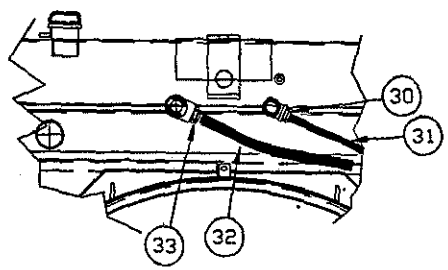
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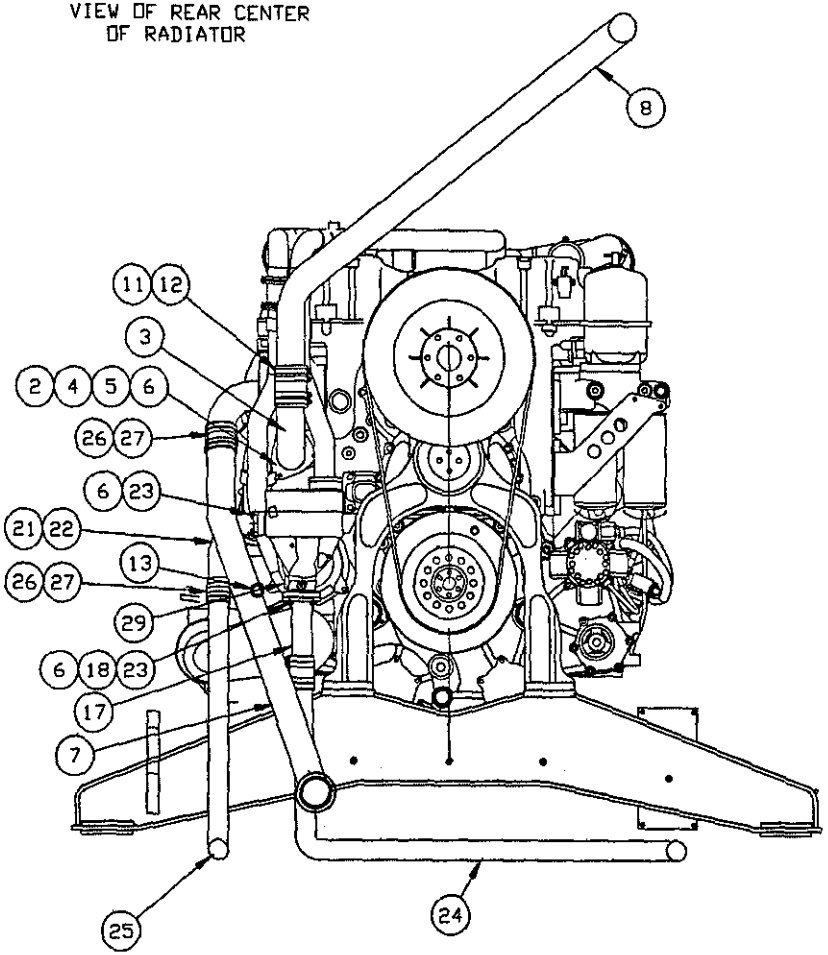
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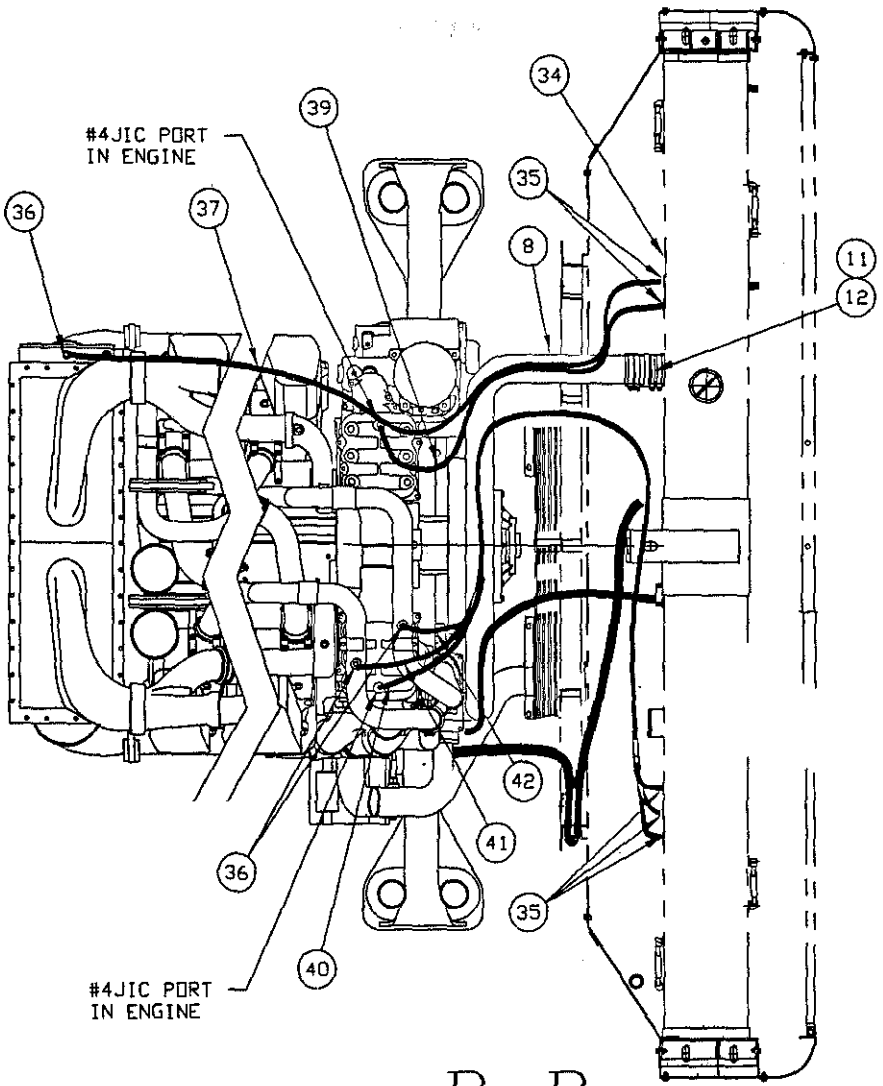
E.N. NO.



VIEW OF REAR CENTER OF RADIATOR



VIEW A–A



VIEW B–B

TEREX MINING

RADIATOR PIPING ASSY

SHEET 2 OF 2

A85248

A85248E

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		84885P	ELBOW, 3-1/2
2	2		84884A	FLANGE, COOLANT OUTLET
3	1		84885A	ELBOW, 3-1/2
4	2		1023693	O-RING, (DWG 1101783) SIZE #241 FOR #56 SF
5	7		55883-40	CAPSCR, HXHD, M10X40MM 1.5 PITCH UNRC, 8.8
6	15		10181	WASHER, LK, HELI, 7/16 X .779 OD
7	1		85435K	PIPE-LOWER RAD HTC
8	1		84886H	PIPE-RAD UPPER HTC
9	1		52997	HOSE RADIATOR 5" ID X 8-1/2" LG
10	8		1002389	CLAMP (DWG 1101600) SIZE 282
11	3		60702A	HOSE-RADIATOR 3-1/2" ID X 6" LG
12	12		1002396	CLAMP (DWG 1101600) SIZE 400
13	1	R	56174	ADAPTER, STR. METRIC #16 JIC, MALE X M30 X 1.5, MALE NOT ISO6149
15	2		84885B	ELBOW, 2-1/2
16	2		1004455	KIT-SPLIT FLANGE SIZE 40 CODE 61
17	1		84885G	ELBOW, LTC INLET
18	1	R	916417	O-RING METRIC
21	1		84885N	ELBOW, LTC OUTLET
22	1	R	85007A	GASKET, LTC OUTLET
23	8		55883-30	CAPSCR, HXHD, M10X30MM 1.5 PITCH UNRC. 8.8
24	1		84886V	PIPE-RAD LTC ENG IN
25	1		84886W	PIPE-RAD LTC ENG OUT
26	4		56125	HOSE-RADIATOR 2-1/2" ID X 6" LONG
27	16		1002391	CLAMP (DWG 1101600) SIZE 300-306
29	1	R	57015	ADAPTER, STR. METRIC #12 JIC MALE X M22 MALE O-RING ISO6149
30	1		1015317	ADAPTER, 45 DEG #12 JIC, MALE X 1 NPTF, MALE
31	1		1024822	HOSE ASSY 1503-12 89" LG W/411 & 190261 FTGS
32	1		54486	HOSE ASSY FC300-16 106" LG W/411 FTGS

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DR. DODEN
ENG. APP. WFR
REL. CK. ELLIS

93946
93881
93205
E.N. NO.

TEREX UNIT RIG

RADIATOR PIPING ASSY

SHEET 1 OF 2

A85248E

ITM	QTY	UM	COMPONENT	DESCRIPTION
33	1		947812	ADAPTER, STRAIGHT #16 JIC, MALE X 1 NPTF, MALE
34	1		10332	PLUG, PIPE 3/8 NPT
35	5		29169	ADAPTER, STRAIGHT #4 JIC, MALE X 1/2 NPTF, MALE
36 R	3		56172	ADAPTER, STR. METRIC #4 JIC MALE X M14 X 1.5, MALE ISO6149
37	1		1025131	HOSE ASSY FC300-04 185" LG W/ 411 FTGS.
39	1		24809	HOSE ASSY 211-04 61"LG W/319 FTGS
40	1		24809	HOSE ASSY 211-04 61"LG W/319 FTGS
41	1		24809	HOSE ASSY 211-04 61"LG W/319 FTGS
42	1		24809	HOSE ASSY 211-04 61"LG W/319 FTGS
55	2		69712H	CLAMP PIPE
56	2		714026C1	CLAMP-HALF, TUBE
57	2		85600A	STRAP, RADIATOR PIPE
58	4		10013	CAPSCREW, HX, 3/8-16NC X 1-1/4 GR 5
59	4		17413	NUT-HEX, FLXLC 3/8-16
99 R	1		A85248	DWG ONLY, RAD PIPING

MT4400 W/16V4000
W/2 PASS LTC
W/HIGH CLEARANCE
LOWER HTC PIPE

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ENG. APP.
REL. CK.

[illegible]46
93881
93205
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TEREX
UNIT RIG

RADIATOR PIPING ASSY

SHEET 2 OF 2

A85248E

A85794

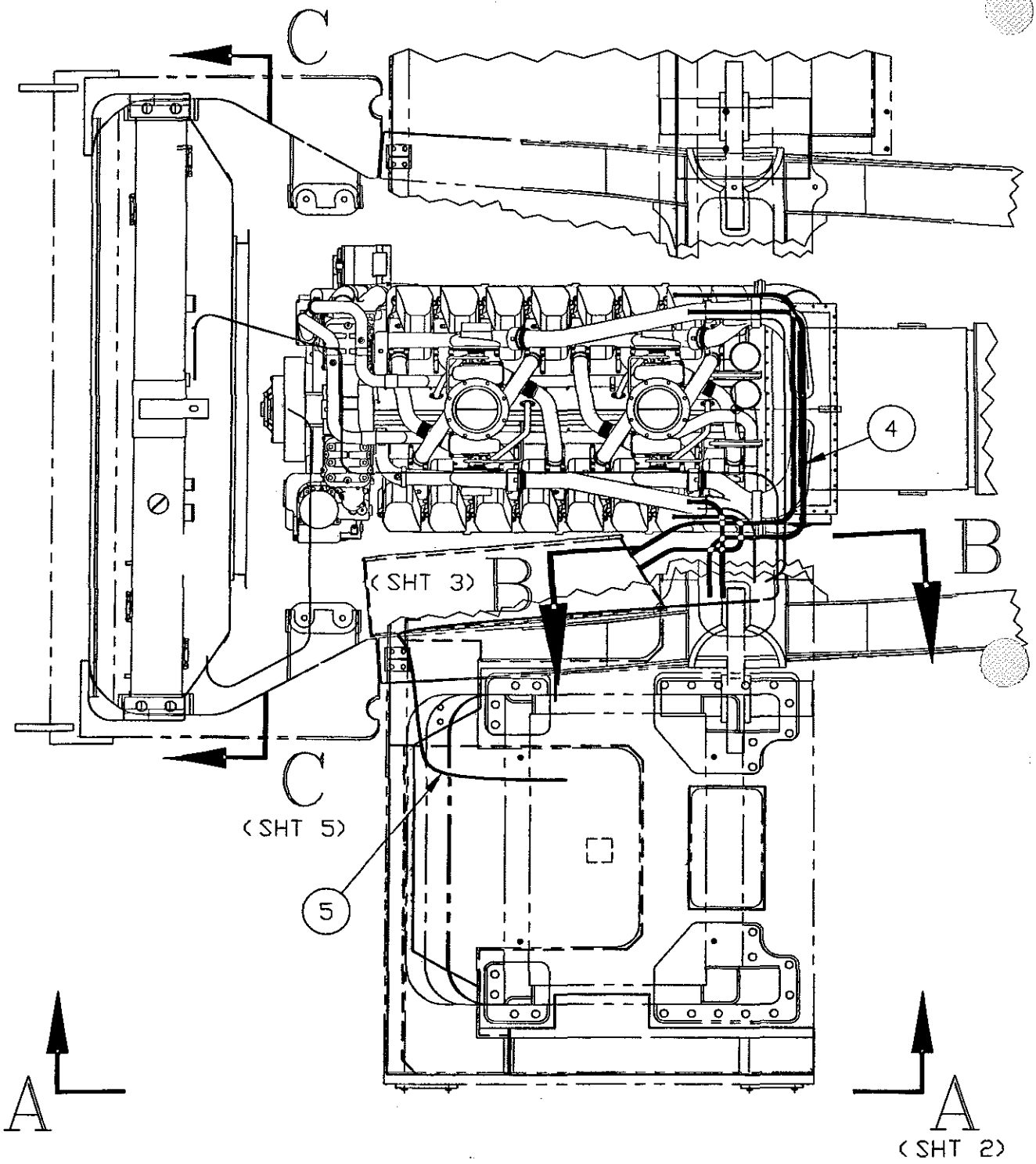
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ENG. APP. CRC

REL. CK. ELLIS



NOTES -
1 - USE ITEMS 41 THRU 50 AS REQUIRED TO RETAIN CABLES DURING ROUTING.

TEREX MINING

ENGINE ELECTRIC ASSY - 4000

SHEET 1 OF 9

A85794

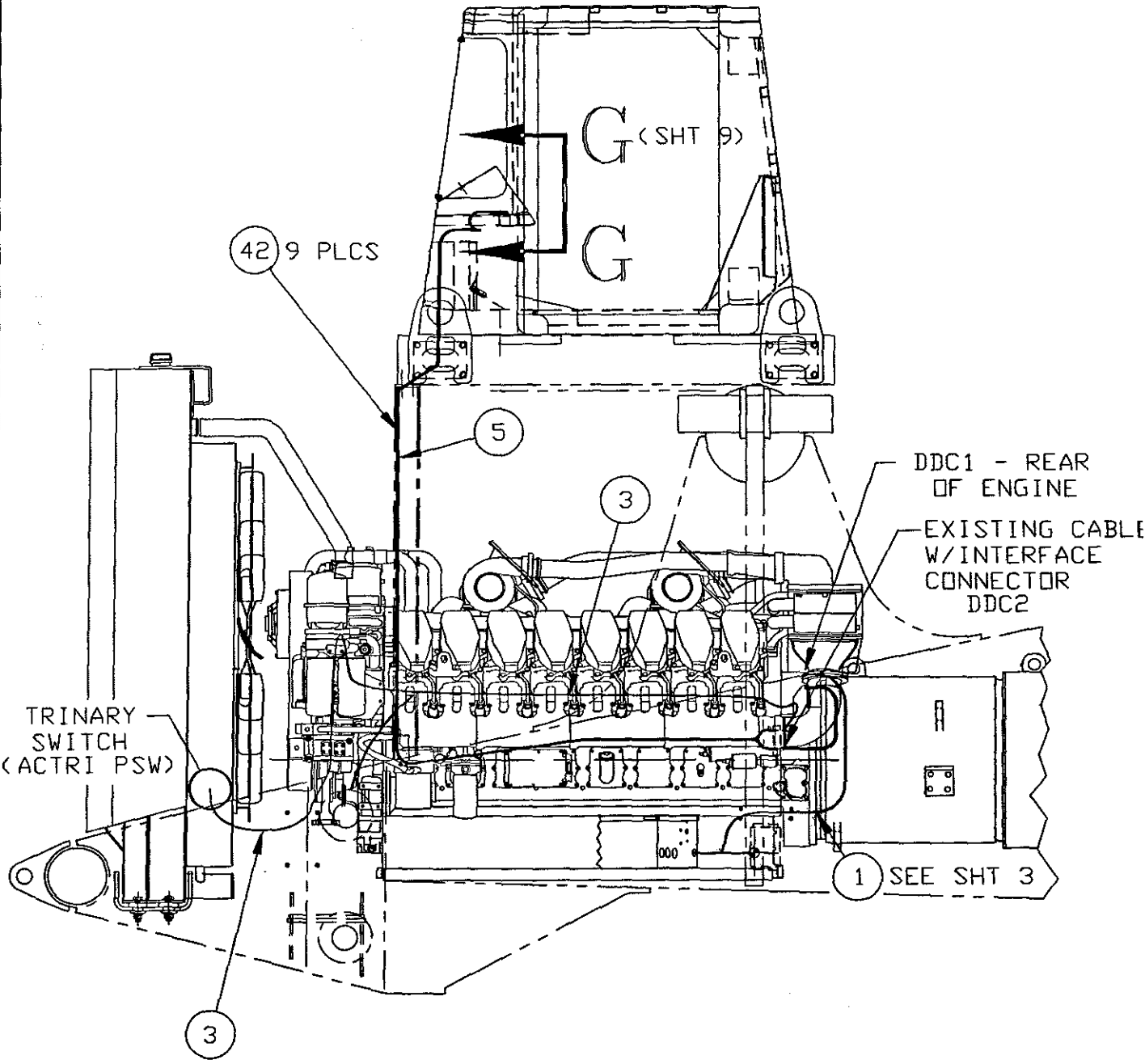
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E.N. NO.

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ENG. APP.
REL. CK.



VIEW A—A

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ENGINE ELECTRIC ASSY - 4000

SHEET 2 OF 9

A85794

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REL. CK.

92640
E.N. NO.

(TYP 4 PLCS)
6 11 12 55 5
3
5
DDC3
TO CAB
DDC2 (EXISTING)
9 10 57 (TYP 4 PLCS)
7 8 13 (TYP 2 PLCS)

"DDC2/DDC3 CONNECTION"

LOAD WIRE	CIRCUIT BREAKER	LINE WIRE
240M1	CB240M	240M2
240R1	CB240R1	240R2
241M1	CB241M	241M2
241R1	CB241R1	241R2
4401	CB440	4402

GND 30
150M1 9531
150M2 X30G
150M3 X30M
150R1
150R2
150R3

1
1D1 1D3
'E' (SHT 5)
X30G 4
X30M 4

'POWER' INTERFACE (ON ENGINE)
DDC1

VIEW B—B

1
GND 30
(TYP 10 PLCS)
17 18 19 15
20
TO T1
16 (TYP 4 PLCS)
14 23 24 25 (TYP 4 PLCS)
"CIRCUIT BREAKER BOX"

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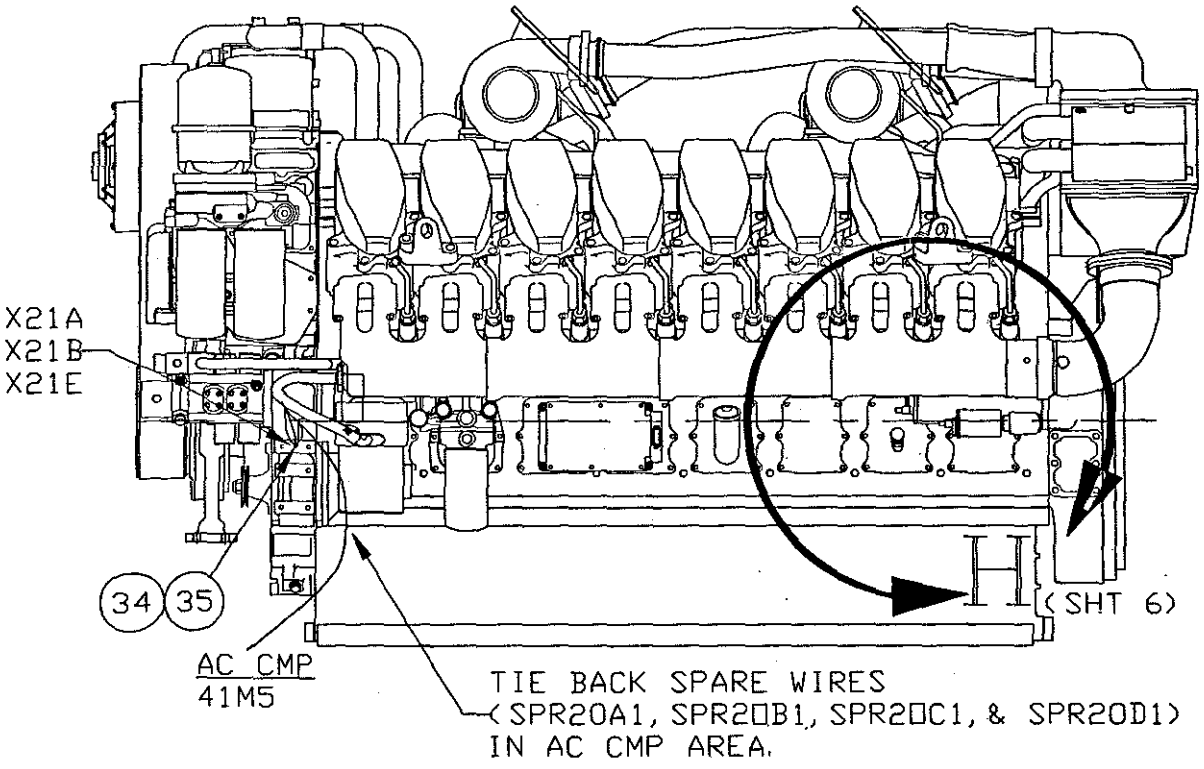
ENGINE ELECTRIC ASSY - 4000

SHEET 3 OF 9

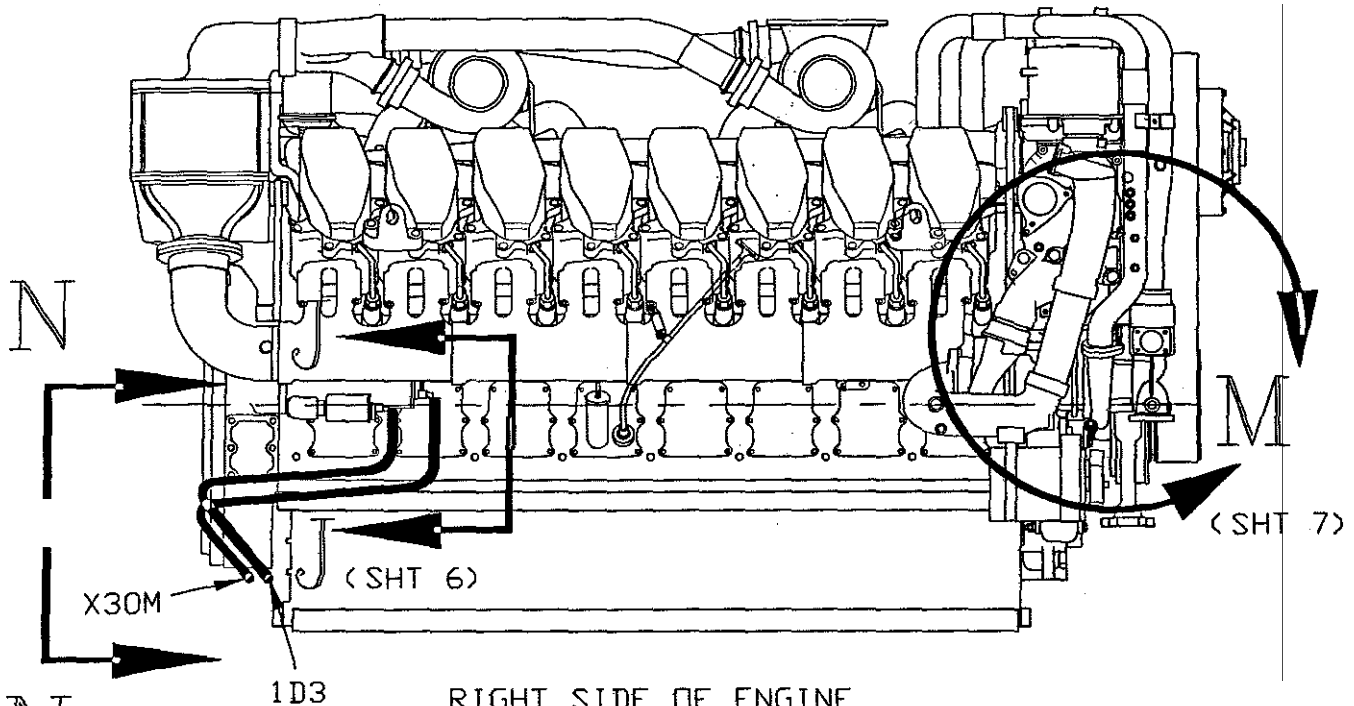
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LEFT SIDE OF ENGINE



RIGHT SIDE OF ENGINE

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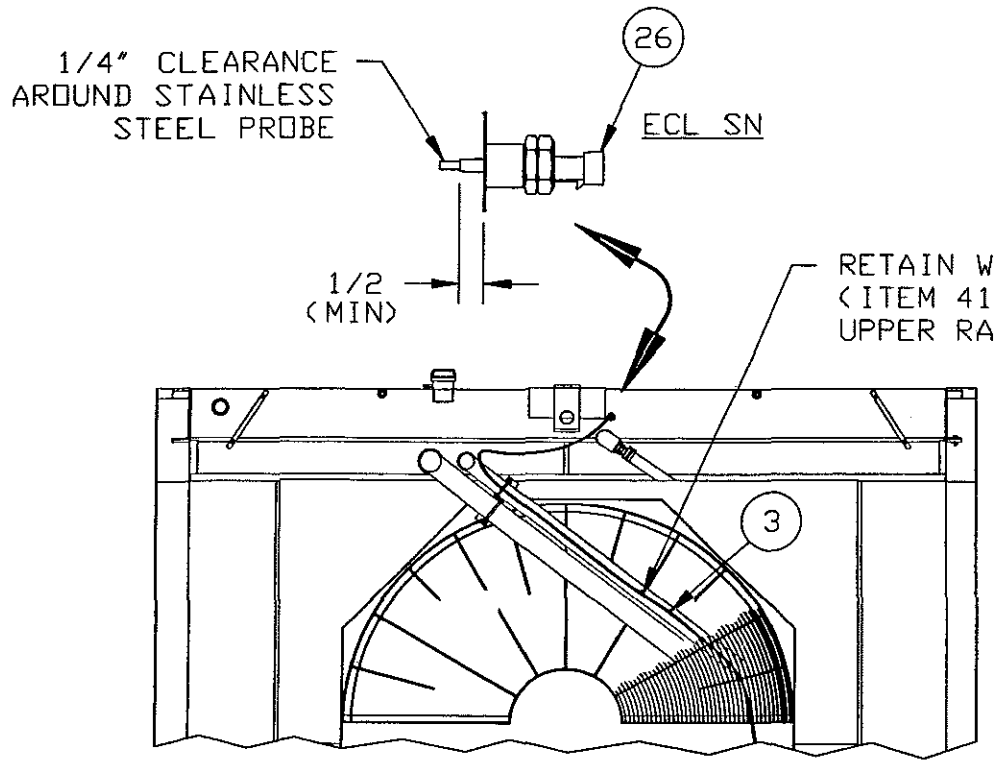
ENGINE ELECTRIC ASSY - 4000

SHEET 4 OF 9

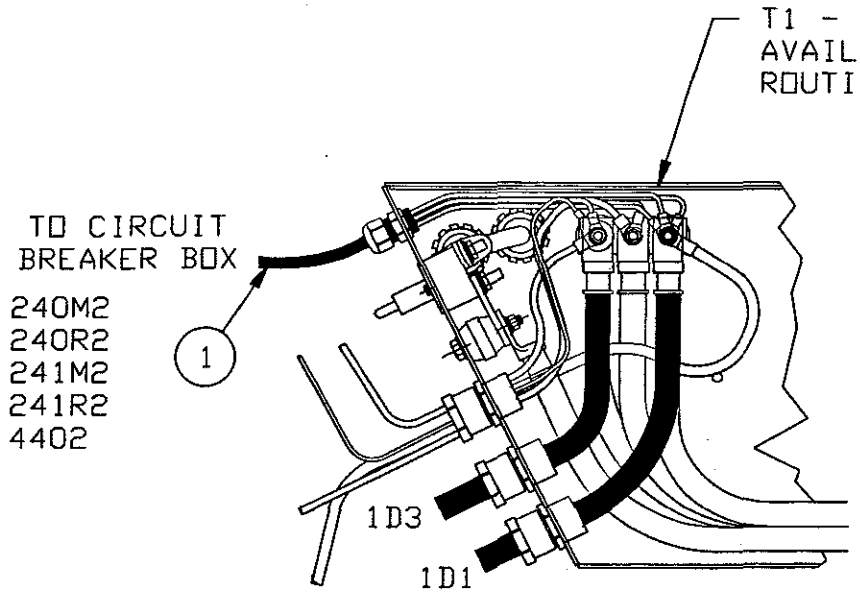
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VIEW C—C



VIEW E

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REL. CK.

92640
E.N. NO.

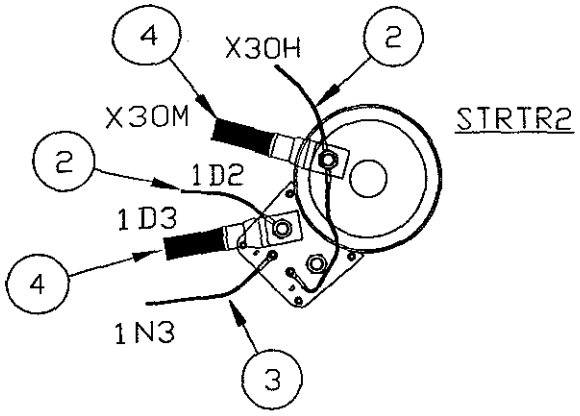
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ENGINE ELECTRIC ASSY - 4000

SHEET 5 OF 9

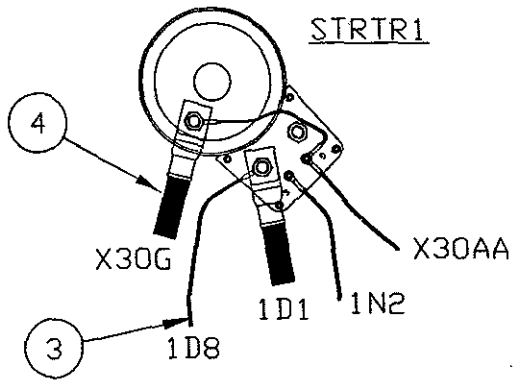
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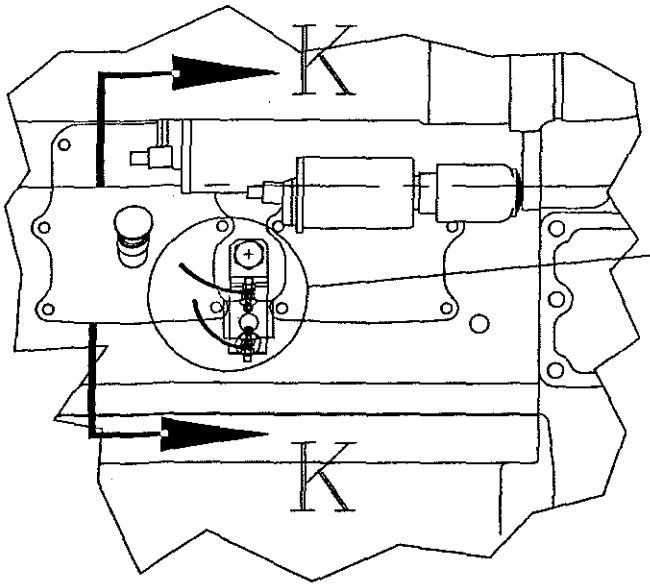
VIEW J—J

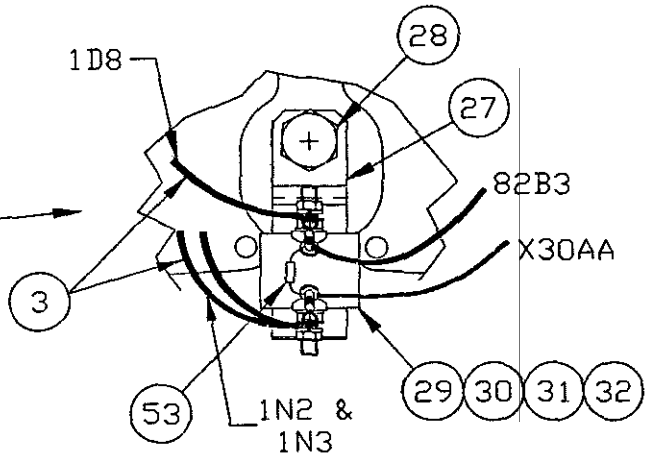
ON RT SIDE FLYWHEEL



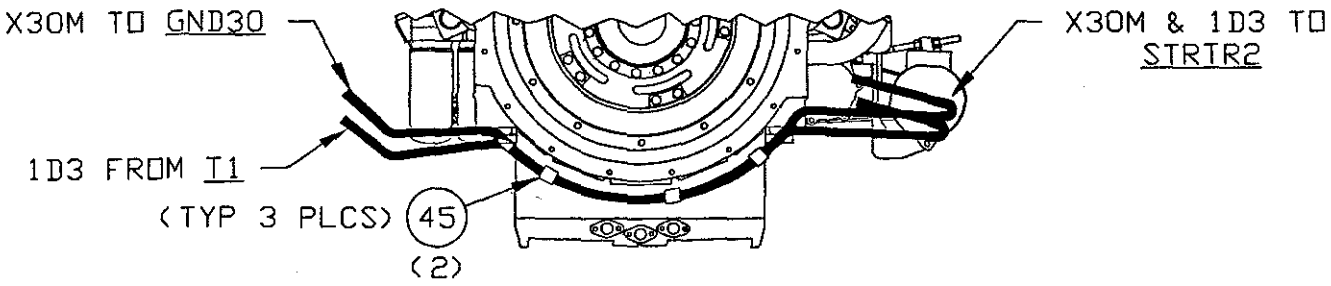
VIEW K—K

ON LT SIDE FLYWHEEL





VIEW H



VIEW N—N

USE FORWARD ROW, EVERY SECOND BOLT ALONG PERFORATED PANEL, TO BUTTERFLY CLAMP CABLES TO BOTTOM OF FLYWHEEL HOUSING.

TEREX MINING

ENGINE ELECTRIC ASSY - 4000

SHEET 6 OF 9

A85794

92640

E.N. NO.

DR. MASSIE

ENG. APP.

REL. CK.

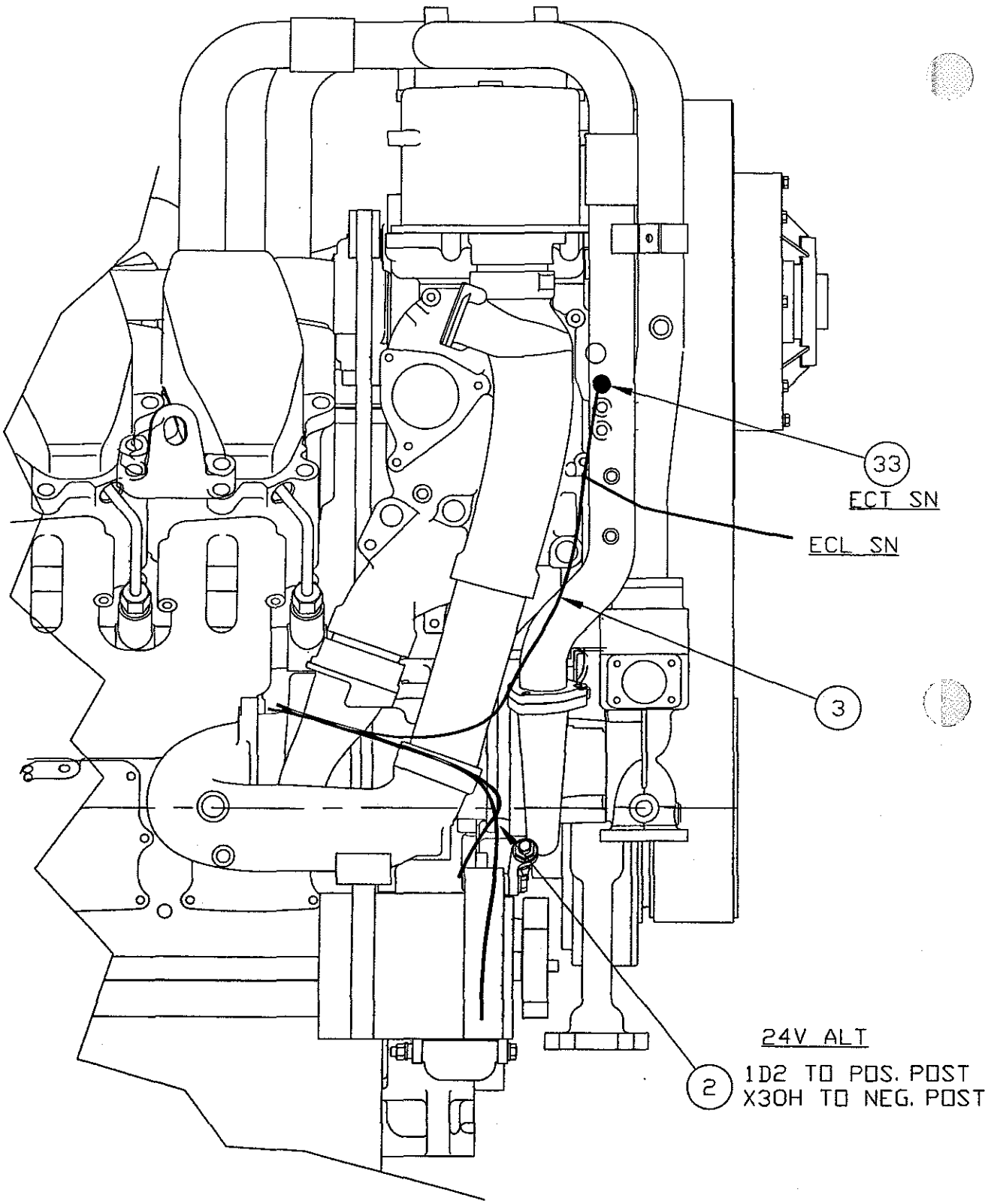
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VIEW M

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ENGINE ELECTRIC ASSY - 4000

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E.N. NO.

SHEET 7 OF 9

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REL. CK.

92640
E.N. NO.

CONTROL BOX

ROUTE THE FOLLOWING TO CONTROL BOX WITH THE CAB HARNESS AND USE PINS FURNISHED WITH CONNECTORS (SEE CAB HARNESS INSTALLATION). TO TERMINATE WIRES IN CONNECTORS;

- CNX2-Y, 908M1 (2CS125-WHT)
- CNX2-f, 9535 (2CS125-BLK)
- CNX2-p, SHLD (2CS125-SHLD)*
- CNX2-q, 556M1 (2CS111-WHT)
- CNX2-r, 9533 (2CS111-BLK)
- CNX2-u, 89CE2
- CNX2-v, 89CD2
- CNX2-w, 439M7
- CNX2-x, SHLD (2CS111-SHLD)*
- CNX4-k, 82B5
- CNX5-e, 563M1
- CNX5-f, 542M1

* USE BUTT SPLICE (ITEM 65) AND 18AWG WIRE (ITEM 66) TO TERMINATE SHIELDS.

GND17

X17AB 9532
510M1 544M1

SPARES

SPR20A
SPR20B
SPR20C
SPR20D
523M1
524M1
531M1
988M1

TB10

TB11

TO ENGINE

5 ROUTE WITH CAB HARNESS

CABLE GRIP AREA
FRONT OF CAB

TB10

P
31G2 — R
41M3 — S

TB11

H
439M1 439M2 — J
439M6 439M7
K

TEREX MINING™

ENGINE ELECTRIC ASSY - 4000

SHEET 8 OF 9

A85794

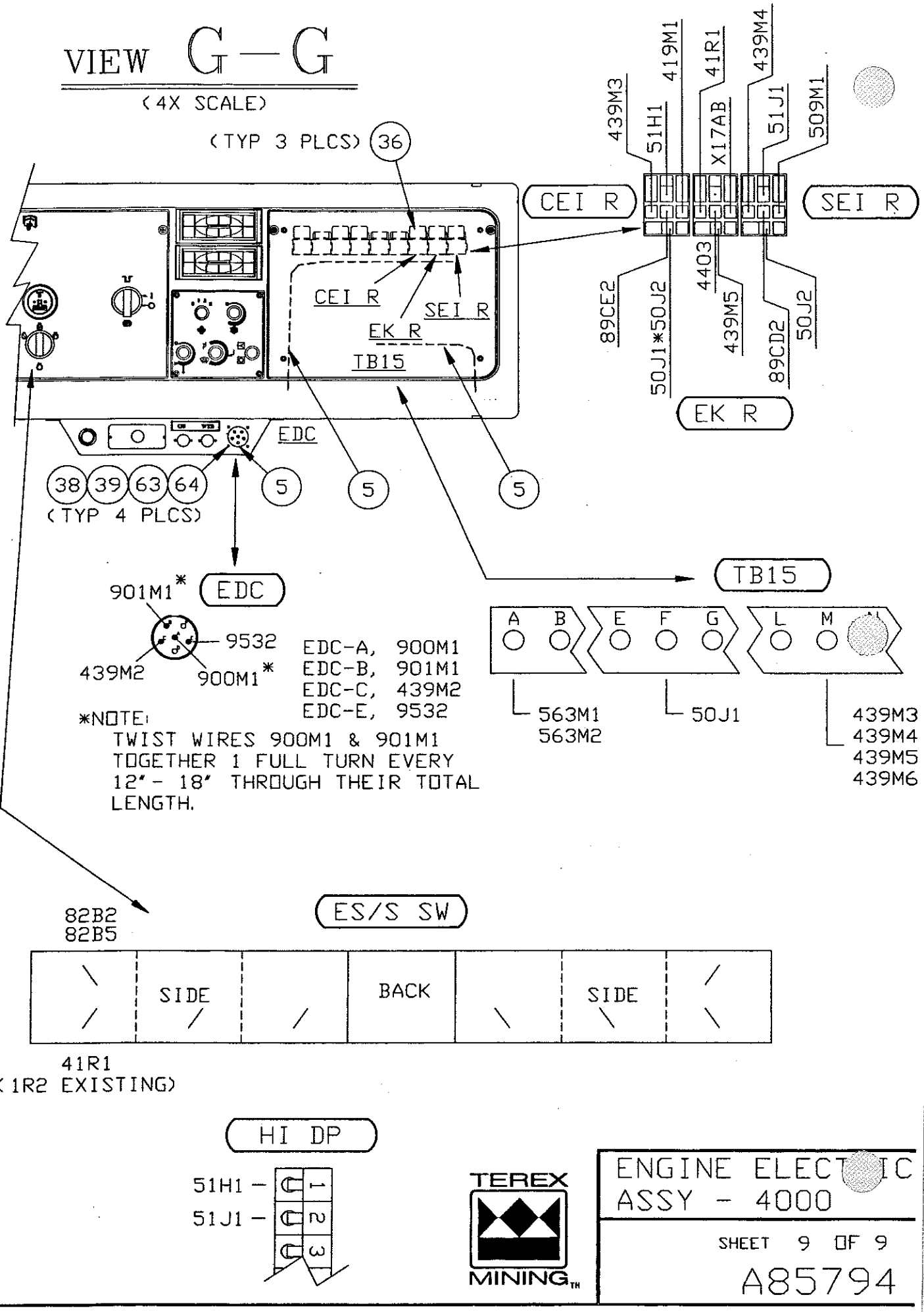
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ENG. APP.
REL. CK.

VIEW G — G

(4X SCALE)



92640
E.N. NO.

TEREX MINING

ENGINE ELECTRIC ASSY - 4000

SHEET 9 OF 9

A85794

A85794A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		84912P	HARNESS,DDEC POWER
2	1		84912T	HARNESS,ALT,100AMP
3	1		84912K	HARNESS,DDEC ENGINE
4	1		84912M	KIT,POWER CABLE
5	1		84912U	HARNESS,DDEC CAB
6	1		84707A	MOUNT,RECEPTACLE
7	2		11103	CAPSCREW,HX,3/8-16NC X 7/8 GR 5
8	2		10164	WASHER,FL,3/8 X 1 OD,ZP
9	4		26151	SCREW,MACH,RHD,6-32NC X 1/2 GR 2
10	4		25253	NUT-LOCK HX 6-32NC
11	4		26749	SCREW,MACH,RHD,4-40NC X 1/2 GR 2
12	4		26717	NUT,HEX(4-40NC) GR2
13	2		10180	WASHER,LK,HELI,3/8 X .683 OD
14	1		84724B	BOX,ELEC,CIRC BREAKER
15	1		55387	CIRCUIT BREAKER
16	4		53908	CIRCUIT BREAKER
17	10		52337	SCR,MACH,PNH,10-32NF X 3/4 GR 2
18	10		12867	NUT-HEX,10-32
19	10		28537	WASHER,LK,HELICAL,#10 X .334 OD
20	1		84725A	DECAL,BREAKER BOX
23	4		10001	CAPSCREW,HX,1/4-20NC X 3/4 GR 5
24	4		10178	WASHER,LK,HELI,1/4 X .489 OD
25	4		10162	WASHER,FL,1/4 X 0.625 OD
26	1	R	55386	PROBE,COOLANT LEVEL
27	1		85193A	BRACKET,MAG SW
28	1		55885-40	CAPSCR,HXHD,M20X40MM 2.5 PITCH UNCR 10.9
29	2		10001	CAPSCREW,HX,1/4-20NC X 3/4 GR 5
30	2		10178	WASHER,LK,HELI,1/4 X .489 OD
31	2		15675	NUT-HX,CRNLK 1/4-20NC STD GR B
32	1		17748	RELAY ALARM
33	1		56745	SENDER,WTR & OIL TEMP
34	1		55649-20	CAPSCR,HXHD,M8X20 MM 1.25 PITCH,UNCR,8.8
35	1		10163	WASHER,FL,5/16,ZP X .687 OD
36	3		53898	RELAY,SPDT 24V

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ENG. APP. CRAFT
REL. CK. ELLIS

92855
92640
E.N. NO.

TEREX MINING

ENGINE ELECT ASSEMBLY

A85794A

A85794A

ITM	QTY	UM	COMPONENT	DESCRIPTION
38	4		26749	SCREW,MACH,RHD,4-40NC X 1/2 GR 2
39	4		26717	NUT,HEX(4-40NC) GR2
41	50		18402	TIE, WRAP HEAVY DUTY 3/16 TO 3-1/2 BUNDLE
42	9		18367	CLAMP-CUSHION 1-1/4
43	5		18666	CLAMP LOOP 19/32 I.D.
44	17		17141	CLAMP-CUSHION 7/8 7/8" ID
45	26		17142	CLAMP-CUSHION 1-1/16
46	3		10013	CAPSCREW,HX,3/8-16NC X 1-1/4 GR 5
47	10		10011	CAPSCREW,HX,3/8-16NC X 3/4 GR 5
48	10		10180	WASHER,LK,HELI,3/8 X .683 OD
49	50		17413	NUT-HEX,FLXLC 3/8-16
50	40		10164	WASHER,FL,3/8 X 1 OD,ZP
53	1		1102852	DIODE ASSEMBLY
55	4		55353	WASHER,LK,HELI,#4
56	4		56286	WASHER,FL,#4 X 5/16 OD
57	4		22068	WSHR,FL,#6 X .375OD X .375 OD
63	4		55353	WASHER,LK,HELI,#4
64	4		56286	WASHER,FL,#4 X 5/16 OD
99 R	1		A85794	DWG ONLY,ENGINE ELECT

MT4400AC W/DDC 16V4000
USE W/GE AC DRIVE
100AMP ENG ALT

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ENG. APP.
REL. CK.

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92640
E.N. NO.

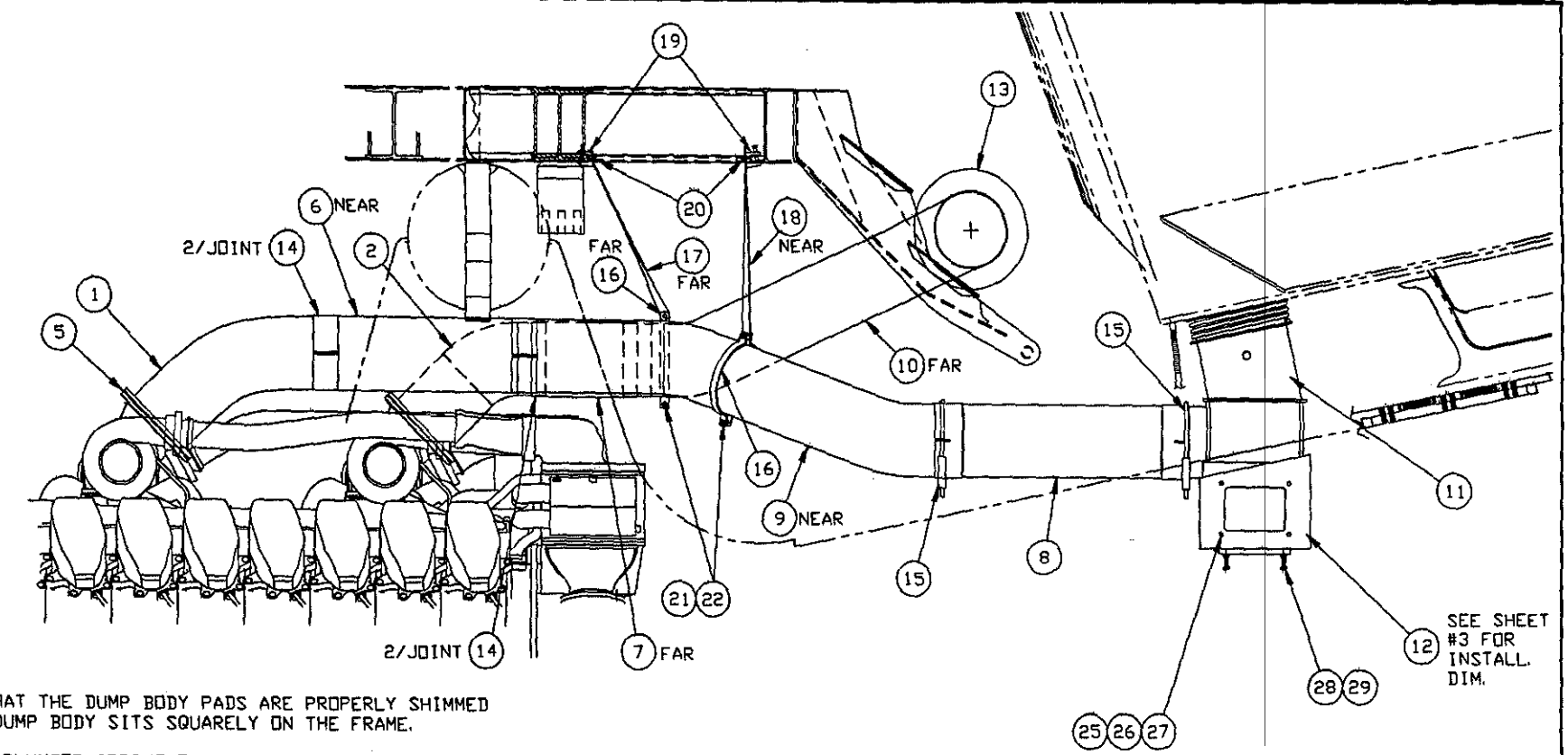
TEREX MINING

ENGINE ELECT ASSEMBLY

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A86082



(1) INSURE THAT THE DUMP BODY PADS ARE PROPERLY SHIMMED AND THE DUMP BODY SITS SQUARELY ON THE FRAME.

(2) COMPRESS PLUNGER SPRING ON EXHAUST BOX (ITEM 11), UNTIL HOLES IN SIDE OF PLUNGER WALL LINE UP WITH HOLES IN EXHAUST BOX. INSERT PIN OR CAPSCREW THROUGH HOLES TO HOLD PLUNGER IN PLACE.

(3) ALIGN EXHAUST BOX (ITEM 11) WITH OUTLET TO HOLE IN DUMP BODY. USE JACK SCREWS, ITEMS #28 TO RAISE BOX INTO POSITION. TIGHTEN MOUNTING BOLTS. SHIM BETWEEN BOX AND MOUNTING PLATE IF REQUIRED.

(4) REMOVE PIN FROM PLUNGER IN EXHAUST BOX (ITEM 11)

(5) INSTALL EXHAUST PIPES (ITEMS #8 & 9) TO EXHAUST BOX. INSTALL PIPES FOR BEST FIT AND MAX. CLEARANCE TO ALTERNATOR AND HOSES. INSTALL SUPPORT BRACKETS(ITEMS #16 & 18).

(6) RAISE AND LOWER DUMP BODY SEVERAL TIMES TO INSURE THAT THE MECHANISMS PERFORM WITHOUT BINDING AND THAT MATING FACES BETWEEN EXHAUST BOX AND DUMP BODY SEAL.

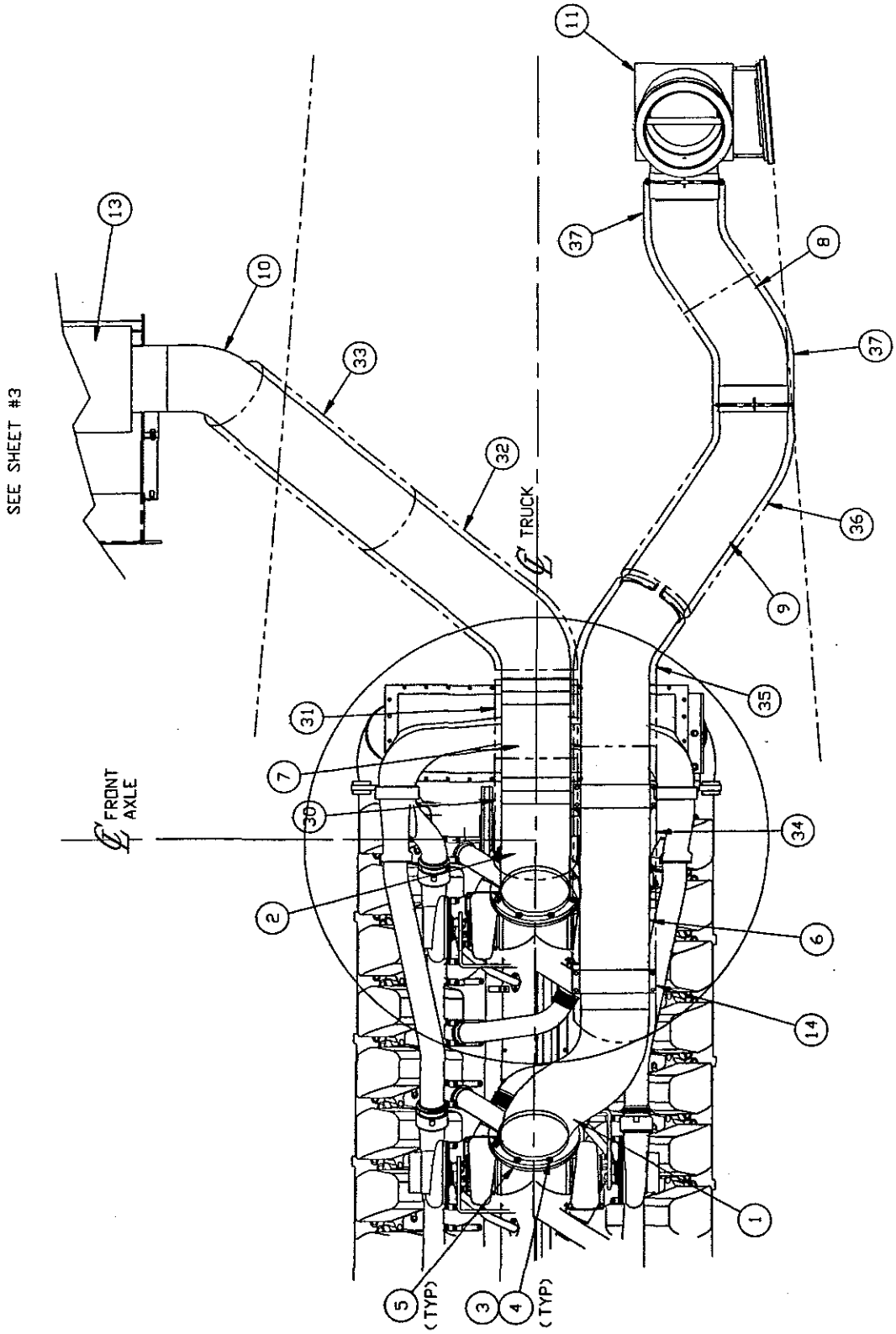
DR. T. DODEN
ENG. APP. BORTHICK
REL. DR. J. ELLIS
93240
E.N. NO.

TEREX MINING

EXHAUST ASSEMBLY
DUMP BODY HEAT

A86082

BT115389



EXHAUST ASSEMBLY
DUMP BODY HEAT

2 OF 3

A86082

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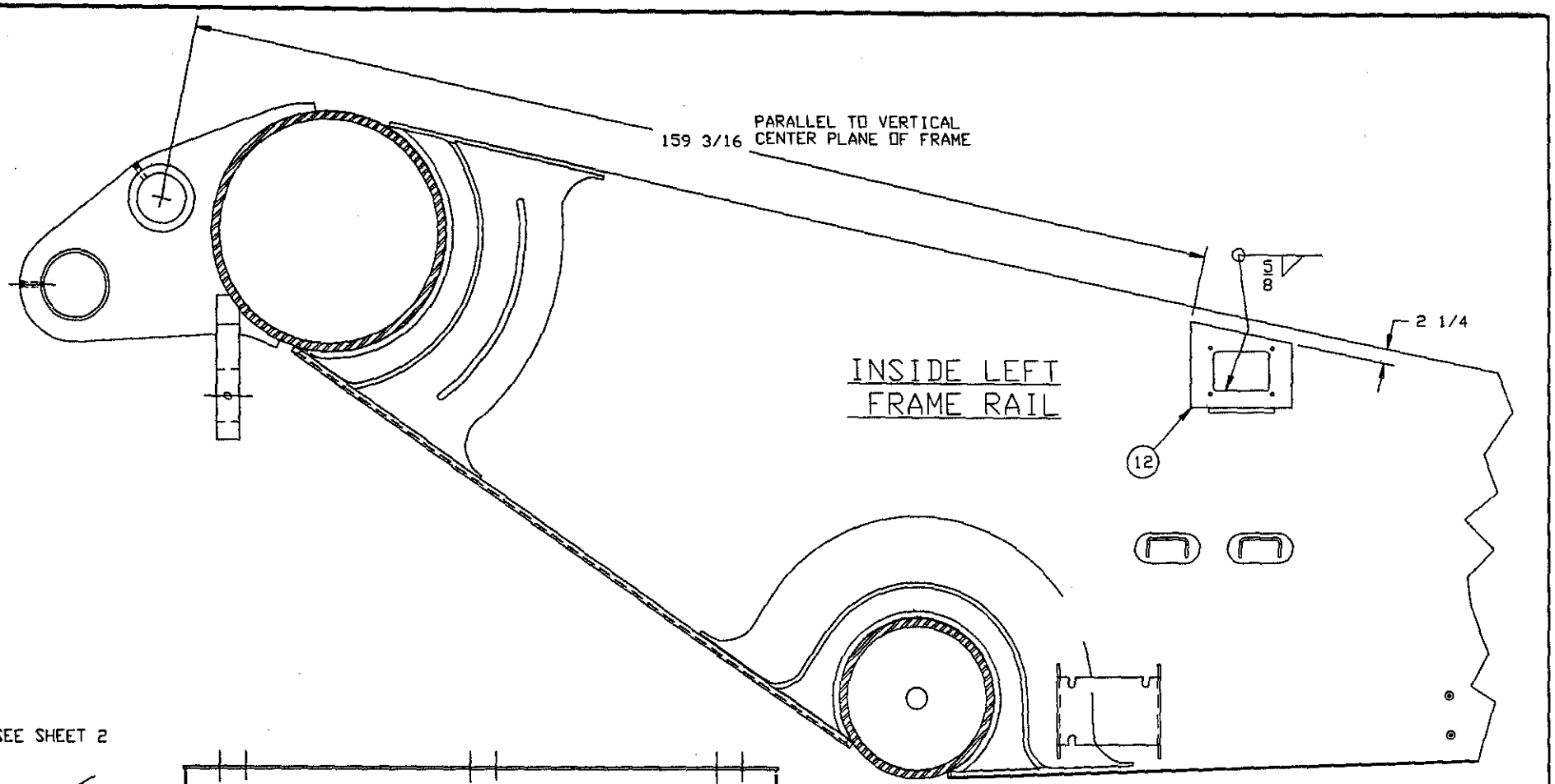
DR. T. DODEN

ENG. APP.

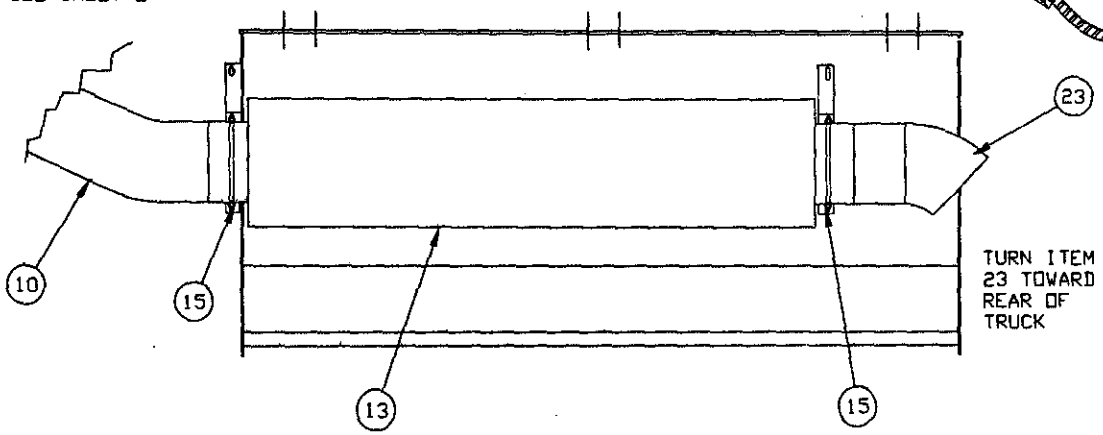
REL. DR.

93240

E.N. NO.



SEE SHEET 2



TURN ITEM 23 TOWARD REAR OF TRUCK

TEREX MINING

EXHAUST ASSEMBLY
DUMP BODY HEAT

3 OF 3

A86082

A86082A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		82345N	ELBOW, EXHAUST
2	1		82345Y	ELBOW, EXHAUST
3	16		10031	CAPSCR, HX, 1/2-13NC X 2 GR 5
4	16		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
5	2		24513	GASKET, EXHAUST
6	1		82295B	TUBING (DWG 82295A-Z) 10" ID X 28" LG
7	1		82295K	FLEX TUBING (DWG 82295A-Z) 10" ID X 15" LG
8	1		85353M	PIPE-EXHAUST
9	1		85353N	PIPE-EXHAUST
10	1		85353F	PIPE, EXHAUST
11	1		83174K	EXHAUST BOX-LEFT
12	1		83654E	PLATE-MOUNTING, LEFT
13	1		52624	MUFFLER, STRAIGHT 10"
14	4		1000270	SEALCLAMP-5"
14	4		1000270	SEALCLAMP-5"
15	4		62620A	CLAMP, 10-1/4 ID
16	4		81201A	SUPPORT-TUBE (10")
17	1		85491C	STRAP, HANGER
18	1		85491E	STRAP, HANGER
19	2		55833	CLAMP, BEAM - HANGER
20	2		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
21	4		10014	CAPSCR, HX, 3/8-16NC X 1-1/2 GR 5
22	4		17413	NUT-HEX, FLXLC 3/8-16
23	1		82367C	PIPE-END (MUFFLER)
25	4		52126	CAPSCR, HX, 5/8-11NC X 1-1/4 GR 8
26	4		10183	WASHER, LK, HELI, 5/8 X 1.079 OD
27	4		1000995	WSHR, HARDND, 5/8 X 1-3/4 OD REG
28	2		17146	BOLT, TAP 1/2NC X 3 LG GR5
29	2		10137	NUT, HX, JAM, 1/2-13NC STL GR 2
30	1		57176	BLANKET-EXHAUST
31	1		57177	BLANKET-EXHAUST
32	1		57180	BLANKET-EXHAUST
33	1		57179	BLANKET-EXHAUST
34	1		57178	BLANKET-EXHAUST
35	1		57529	BLANKET-EXHAUST
36	1		57530	BLANKET-EXHAUST
37	2		57319	BLANKET-EXHAUST
50 R	1		A86082	DWG ONLY, EXHAUST ASSY

MT4400AC W/DDC 16V4000 ENGINE. FRONT TURBOS HEAT BODY, REAR TURBOS EXIT THRU MUFFLER.

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DR. DODEN
ENG. APP. BORTHICK
REL. CK. ELLIS

95618
93240
E.N. NO.

TEREX MINING

EXHAUST ASSY, HTD BOD

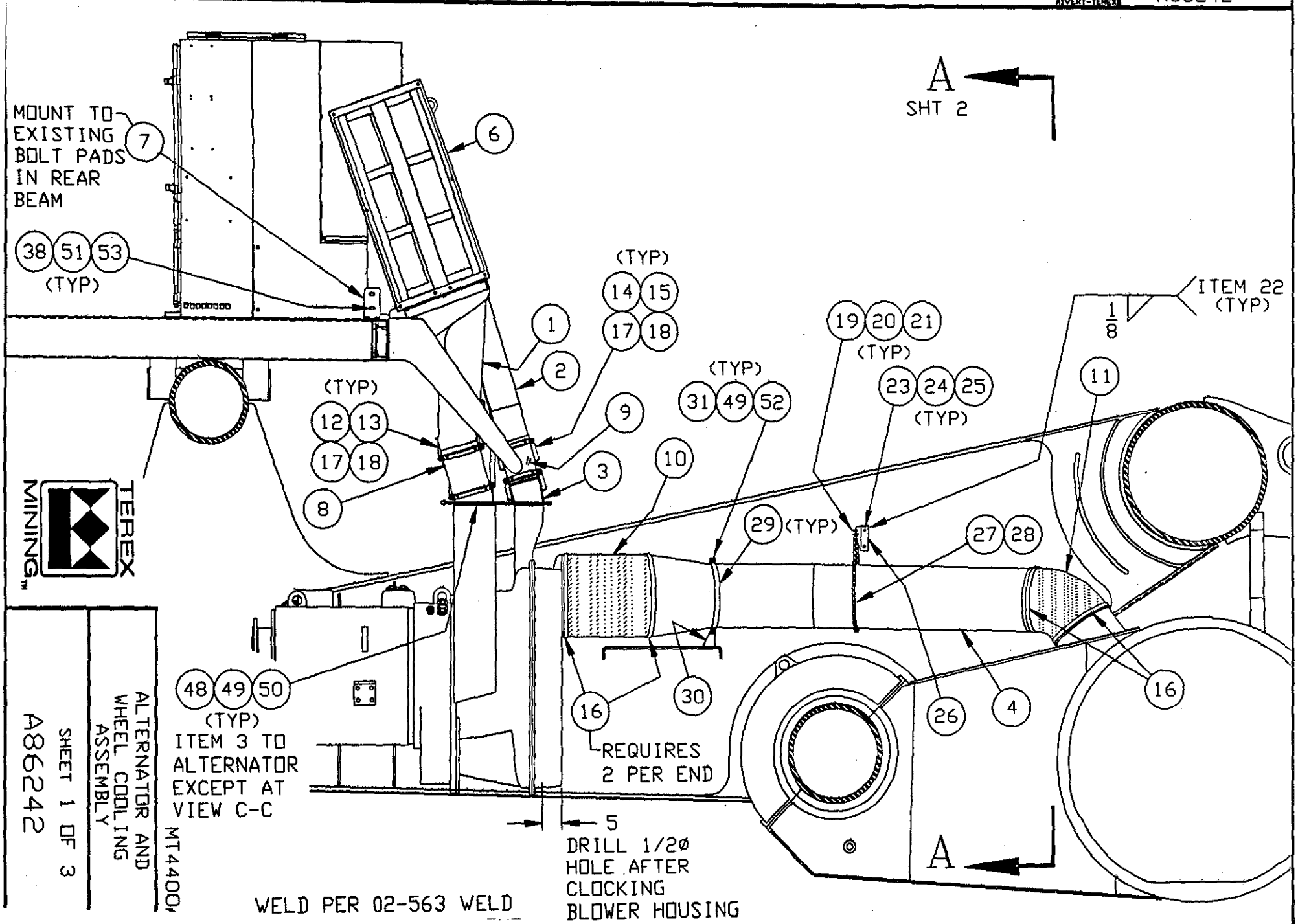
SHEET 1 OF 1

A86082A

E.N. NO. 93832 | REL. CK. ELLIS | ENG. APP. DODEN | DR. BORTHICK

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A86242



TEREX MINING™

ALTERNATOR AND WHEEL COOLING ASSEMBLY

MT4400

SHEET 1 OF 3

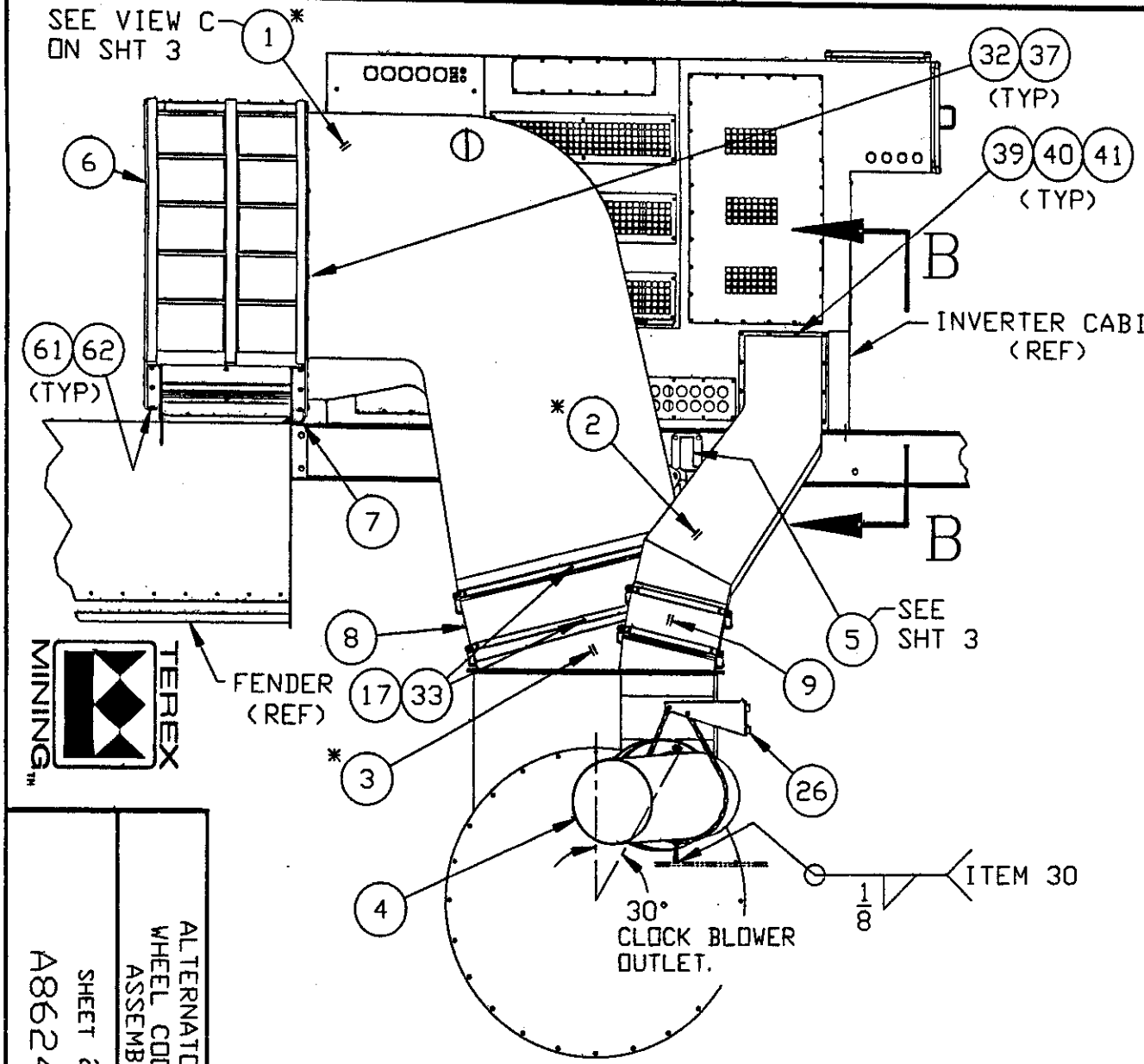
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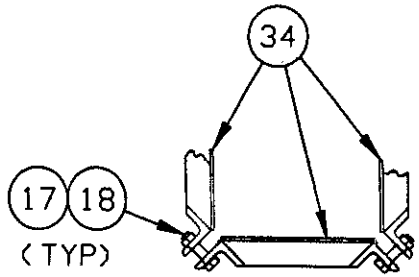
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ALVERT-TEREX A86242





CUT ITEM 34 INTO 1 INCH WIDE STRIPS AND GLUE ALONG LENGTH OF ITEMS 12 THRU 15 USING ITEM 36.

*USE ITEM 42 AROUND PERIMETER OF BOLTED FLANGES OF ITEMS 1, 2 AND 3 TO PREVENT AIR LEAKAGE.

TEREX MINING™

ALTERNATOR AI WHEEL COOLIN ASSEMBLY

SHEET 2 OF 3

A86242

VIEW A—A

FROM SHEET 1

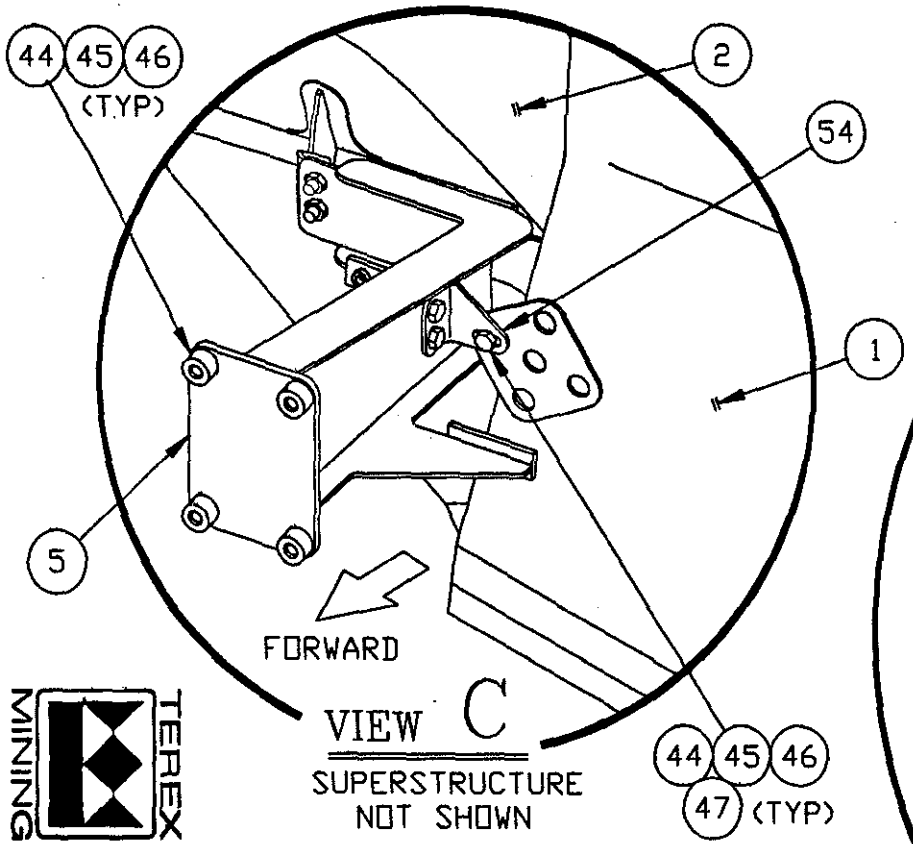
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E.N. NO. 93832

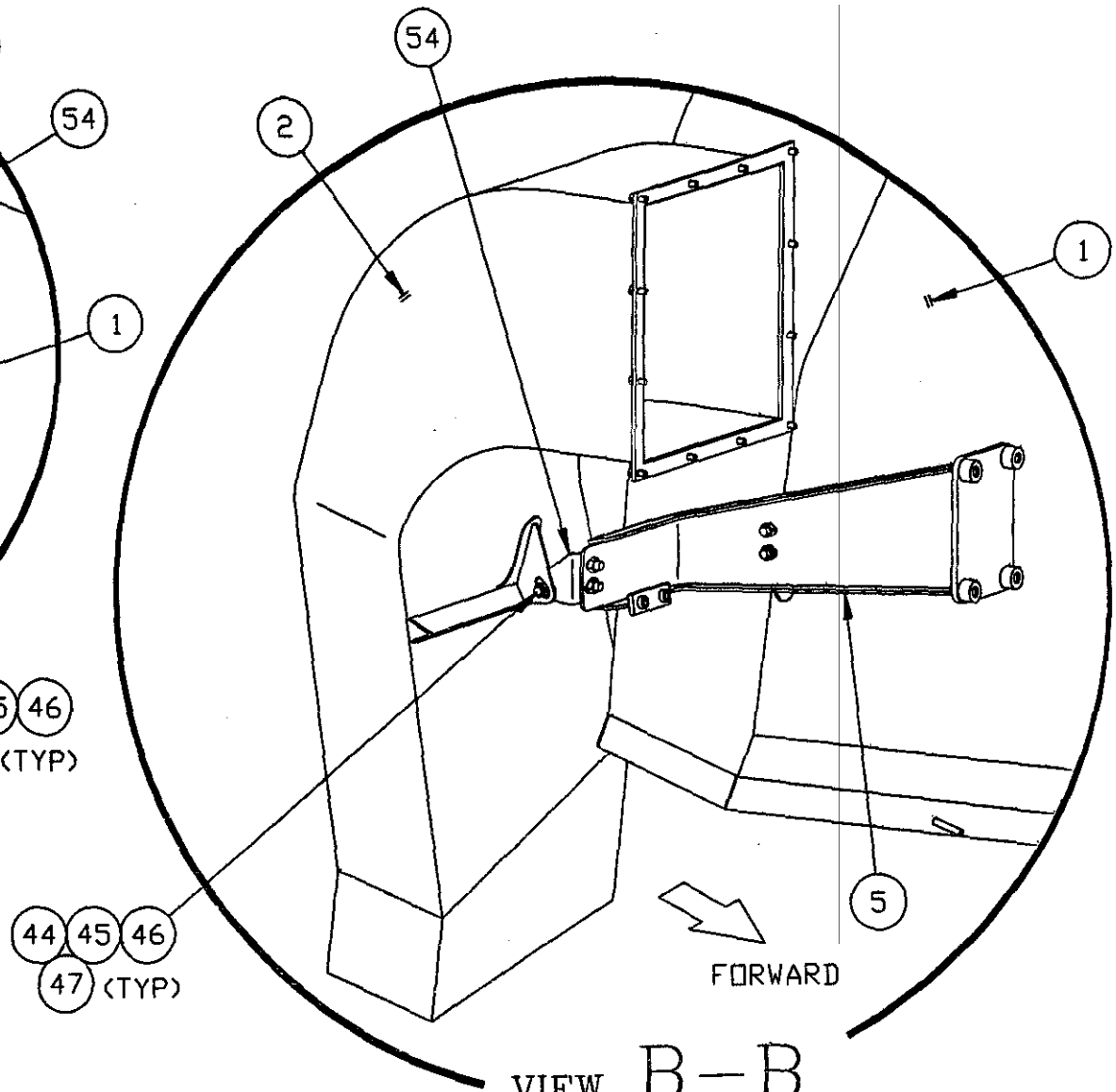
DR. REL. CK. ENG. APP.

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ALVERT-TEREX

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VIEW C
SUPERSTRUCTURE NOT SHOWN



VIEW B–B
SUPERSTRUCTURE NOT SHOWN

TEREX MINING™

ALTERNATOR AND WHEEL COOLING ASSEMBLY

SHEET 3 OF 3

A86242

BI115389

A86242A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		79410Z	DUCT-AIR, INTAKE
2	1		78775N	DUCT-COOLING, CABINET
3	1		78775P	DUCT-ALT/CABINET TRANSITION
4	1		80819S	DUCT-AIR, 16" TO 20-1/2" DIA.
5	1		85939B	BRACKET-DUCT SUPPORT
6	1		86165C	SILENCER, ALTERNATOR INLET
7	1		85939C	BRACKET-DUCT MOUNTING
8	1		56897	DUCT-FLEX, RECTANGULAR
9	1		56898	DUCT-FLEX, RECTANGULAR
10	1		56899	HOSE FLEX 20-1/2 ID X 24 LG
11	1		52622	HOSE FLEX 16ID X 24LG
12	4		85703F	CLAMP-DUCT
13	4		85703G	CLAMP-DUCT
14	4		85703H	CLAMP-DUCT
15	4		85703J	CLAMP-DUCT
16	6		17921	CLAMP-HOSE, HEAVY DUTY
17	20		1014913	WASHER, HARDND, 3/8 X 1" OD REGULAR
18	16		18763	BOLT, TAP 3/8NC X 2 LG GR5
19	2		10002	CAPSCR, HX, 1/4-20NC X 1 GR 5
20	2		15675	NUT-HX, CRNLK 1/4-20NC STD GR B
21	4		10162	WASHER, FL, 1/4 X 0.625 OD
23	2		10027	CAPSCR, HX, 1/2-13NC X 1 GR 5
24	2		22465	WASHER, FL, 1/2
25	2		10182	WASHER, LK, HELI, 1/2 X .873 OD
26	1		81226F	SUPPORT-ALT DUCT
27	65	IN	21956	CHAIN BULK .18 PROOF
28	55	IN	20871	SLEEVE BULK HT SHRINK 1" TO 1/2"
29	2		72429C	SUPPORT-TUBE
30	1		85961A	PLATE-AIR DUCT SUPPORT
31	2		10015	CAPSCR, HX, 3/8-16NC X 1-3/4 GR 5
32	18		10164	WASHER, FL, 3/8 X 1 OD, ZP
33	4		17413	NUT-HEX, FLXLC 3/8-16
34	1		18949	WEBBING NEOPRENE
36	2		15605	ADHESIVE RUBBER 3M
37	18		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
38	4		10044	CAPSCR, HX, 5/8-11NC X 1-1/4 GR 5
39	12		10008	CAPSCR, HX, 5/16-18NC X 1 GR 5
40	12		10163	WASHER, FL, 5/16, ZP X .687 OD
41	12		10179	WASHER, LK, HELI, 5/16 X .586 OD

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DR. BORTHICK
ENG. APP. DODEN
REL. CK. ELLIS

93832
E.N. NO.

TEREX
UNIT RIG

ALTERNATOR/WHE COOLING ASSY

A86242A

A86242A

ITM	QTY	UM	COMPONENT	DESCRIPTION
42	1		22312	SILICONE RTV RUBBER
44	10		10027	CAPSCR, HX, 1/2-13NC X 1 GR 5
45	20		22465	WASHER, FL, 1/2
46	10		10182	WASHER, LK, HELI, 1/2 X .873 OD
47	6		10127	NUT, HX, 1/2-13NC STL GR 5
48	20		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
49	44		10164	WASHER, FL, 3/8 X 1 OD, ZP
50	20		10126	NUT, HX, 3/8-16NC STL GR 5
51	6		26205	WASHER, FL, 5/8 X 1.312 OD
52	2		10126	NUT, HX, 3/8-16NC STL GR 5
53	2		10128	NUT, HX, 5/8-11NC STL GR 5
54	2		85946A	BRACKET-ADJUSTING
61	8		27792	CAPSCR, HX, 1/2-13NC X 1-1/4 GR 8
62	8		22465	WASHER, FL, 1/2
99 R	1		A86242	DWG ONLY-ALTERNATOR/WHEEL COOL

MT4400AC W/IGBT CONTROLS
W/SILENCER FOR ALTERNATOR
INLET

AVERT-1682

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REL. CK.

93832
E.N. NO.

TEREX
UNIT RIG

ALTERNATOR/WHEEL
COOLING ASSY

SHEET 2 OF 2

A86242A

SECTION 5 - HYDRAULIC SYSTEM

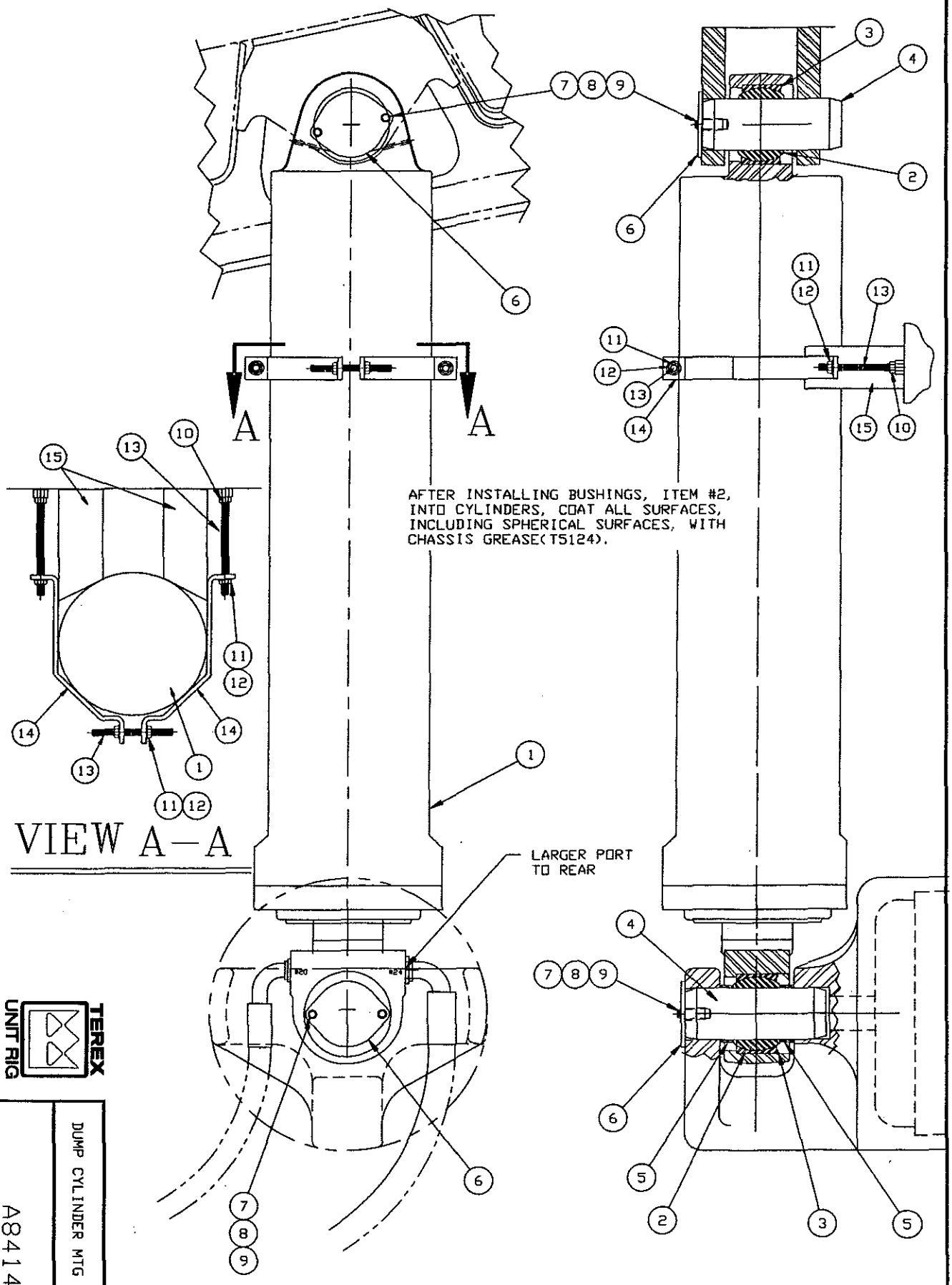
DESCRIPTION	ASSEMBLY
Brake Assembly, Hydraulic	A85896D
Cylinder Mounting Assembly, Dump	A84148A
Dump Assembly, Hydraulic	A85894A
Dump Cylinder Mounting Assembly	A84148A
Hydraulic Brake Assembly	A85896D
Hydraulic Dump Assembly	A85894A
Hydraulic Oil Cooler Assembly	A85399A
Hydraulic Pump Drive Assembly	A85186G
Hydraulic Steering System	A85895A
Hydraulic Tank Assembly	A85185A
Oil Cooler Assembly, Hydraulic	A85399A
Pump Drive Assembly, Hydraulic	A85186G
Steering System, Hydraulic	A85895A
Tank Assembly, Hydraulic	A85185A

BI115389

E.N. NO. 88519 | 95611 | | | | | | | REL. CK. | DRAWN T. DODEN | MASSIE

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A84148



VIEW A–A

TEREX UNIT RIG

DUMP CYLINDER MTG ASSY

A84148

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	2		80052E	CYLINDER, HYDRAULIC 2 STAGE, DOUBLE ACTING ENDS FOR 4-1/2" BRGS.
	2	4		17942	BUSHING-SELF ALIGNING
	3	4		56087-700	RING, RET. SELF LCK/INT FOR 7.000 BORE .094 X 7.182 GROOVE
	4	2		80490C	PIN, DUMP CYLINDER
	4	2		80490C	PIN, DUMP CYLINDER
	5	4		80642B	SPACER, BEARING
	6	2		80491A	CAP, PLATE
	6	2		80491A	CAP, PLATE
	7	4		10012	CAPSCREW, HX, 3/8-16NC X 1 GR 5
	7	4		10012	CAPSCREW, HX, 3/8-16NC X 1 GR 5
	8	4		10180	WASHER, LK, HELI, 3/8 X .683 OD
	8	4		10180	WASHER, LK, HELI, 3/8 X .683 OD
	9	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
	9	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
	10	4		10128	NUT, HX, 5/8-11NC STL GR 5
	11	8		16403	NUT-HEX, FLXLC 5/8-11
	12	8		25912	WASHER, FL, 5/8 X 1.750 OD
	13	6		63386G	STUD, ALLTHD 5/8-11NC
	14	4		82358A	CLAMP-CYLINDER
	15	2		82364E	BLOCK-DUMP CYL SUPT
	20 R	1		A84148	DWG ONLY, DUMP CYL MTG

FOR MT4400
12" DIA 2 STAGE

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A84148A

DR. DODEN
ENG. APP. WFR
REL. CK. ELLIS

99659
88769
88519
E.N. NO.

TEREX MINING

DUMP CYL MTG ASSY

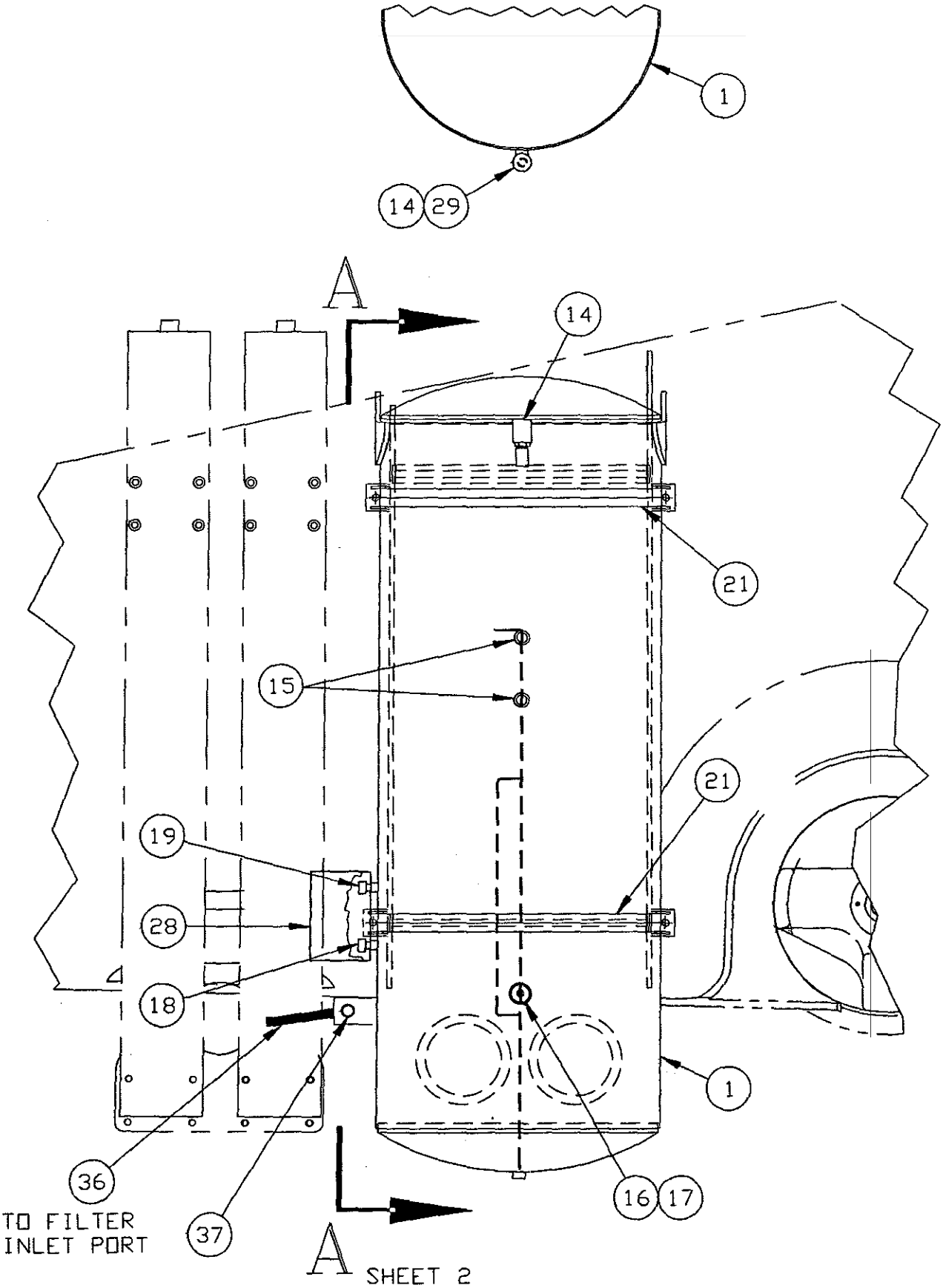
SHEET 1 OF 1

A84148A

A85185

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DR. Robinson
ENG. APP. NIELSEN
REL. CK. ELLIS



91544

90993
E.N. NO.

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

UNIT RIG CAD

HYDRAULIC TANK ASSY

SHEET 1 OF 4

A85185

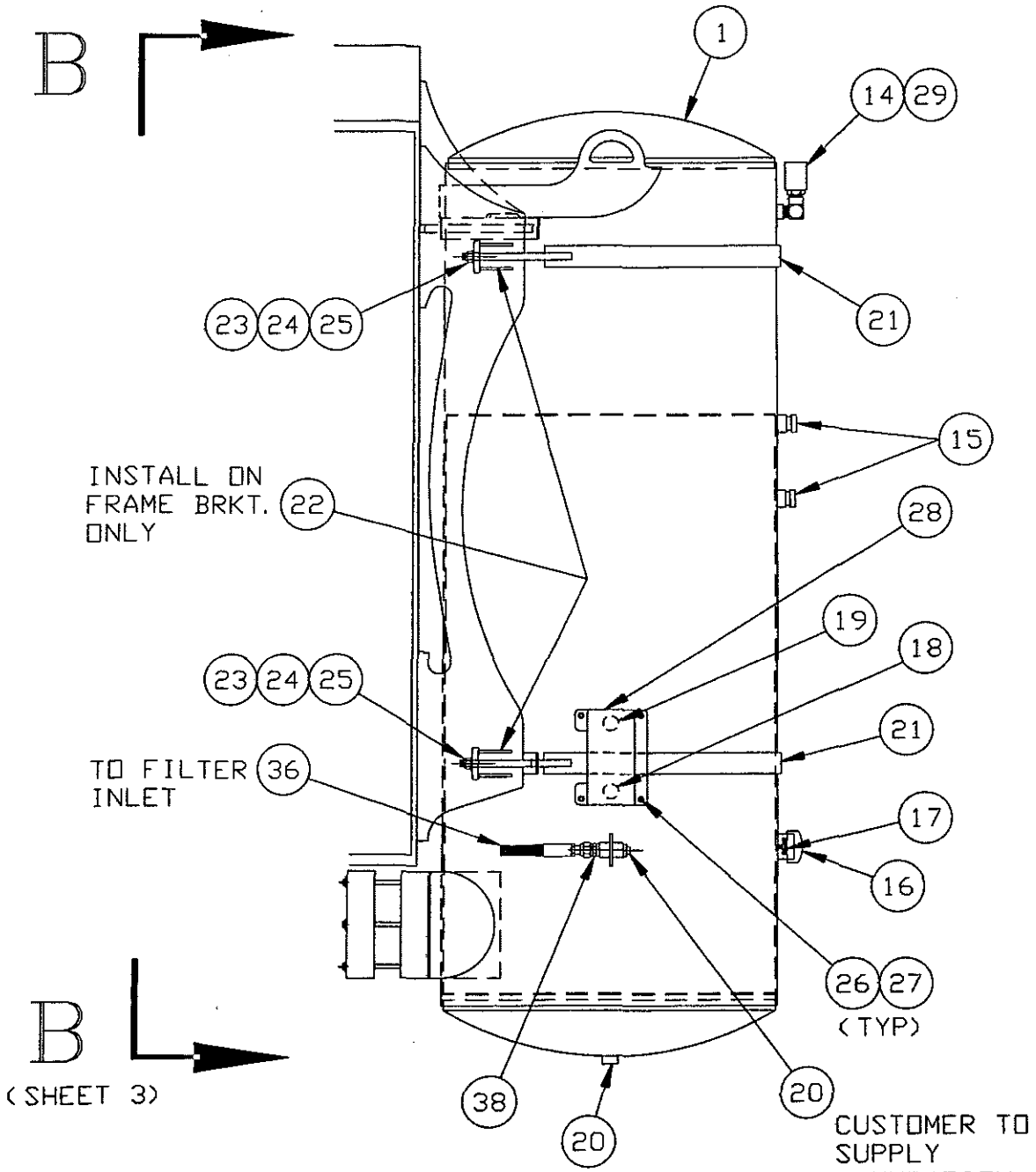
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REL. CK.



VIEW A—A

91544

90993

E.N. NO.

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

UNIT RIG CAD ™

HYDRAULIC TANK ASSY

SHEET 2 OF 4

A85185

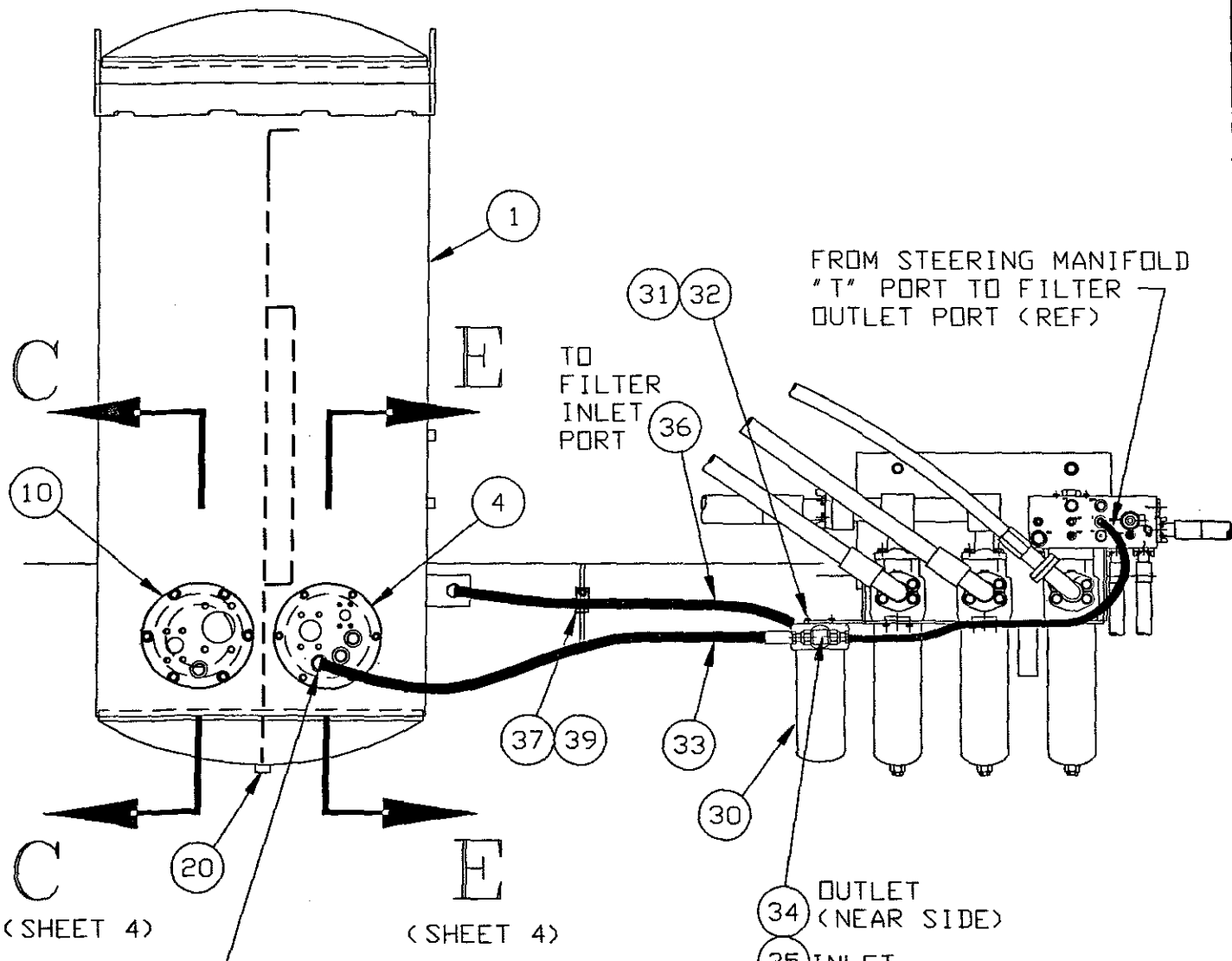
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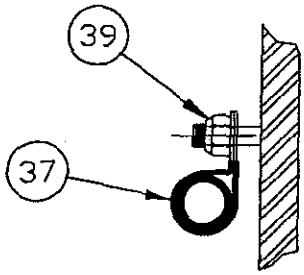
DR.

ENG. APP.

REL. CK.



VIEW B—B



VIEW OF CLAMP ON GUSSET AT REAR SIDE OF ACCUM. BRKT.

91544

90993

E.N. NO.

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

UNIT RIG CAD ™

HYDRAULIC TANK ASSY

SHEET 3 OF 4

A85185

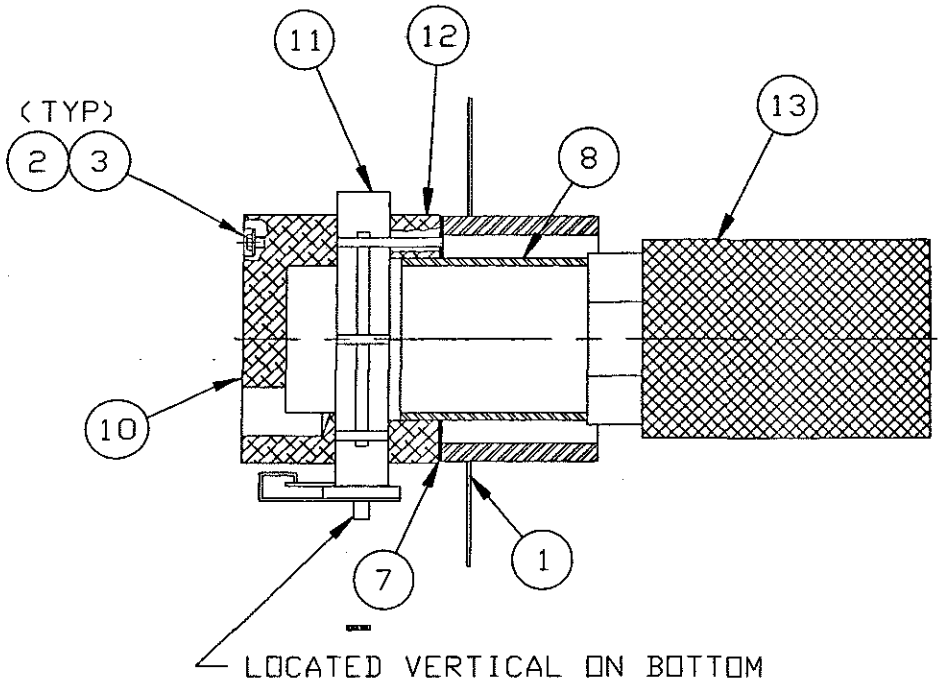
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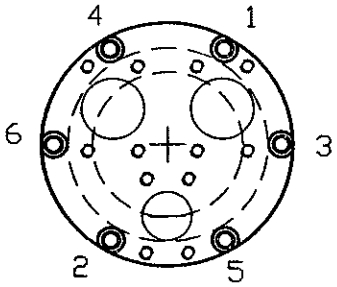
REL. CK.



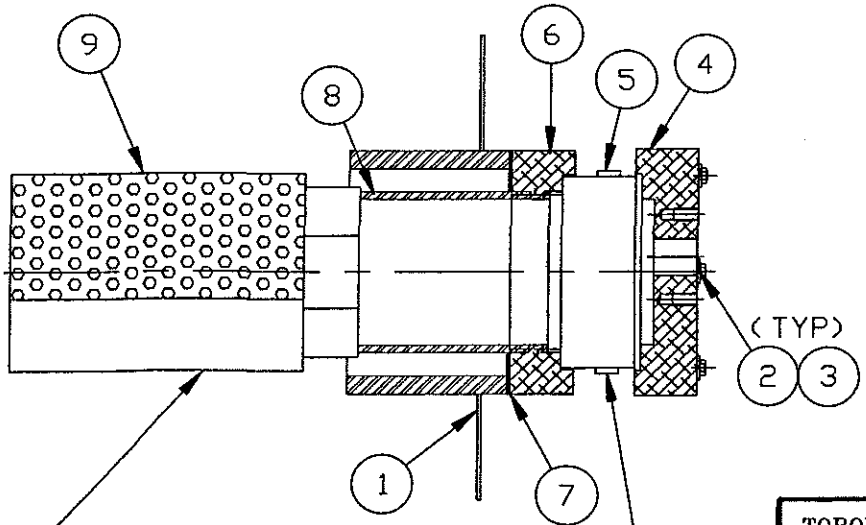
LOCATED VERTICAL ON BOTTOM

SEC C — C

OUTLET PORT



BOLT TIGHTENING SEQUENCE
TYPICAL BOTH MANIFOLDS
TIGHTEN BOLTS IN ORDER
SHOWN TO 8, 15 &
23 FT-LBS.



INSTALL DIFFUSER WITH
OPEN AREA TOWARD OUTSIDE
OF TANK.

SLOTTED SCREW HEADS
LOCATED VERTICAL

SEC E — E

RETURN PORT

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

UNIT RIG CAD ™

HYDRAULIC TANK ASSY

SHEET 4 OF 4

A85185

91544

90993

E.N. NO.

A85185A

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	1		83769C	TANK, HYDRAULIC
	2	12		55534	CAPSCREW, HX, 3/8-16NC X 8 GR 5
	3	12		10164	WASHER, FL, 3/8 X 1 OD, ZP
	4	1		81238E	MANIFOLD-RETURN
	5	1		28827	VALVE, CHECK (INSERT)
	6	1		84166B	SPACER-MANIFOLD
	7	2		78347C	GASKET, 6" FLANGE
	8	2		55533	NIPPLE-PIPE, 6" X 9, SCH 40
	9	1		55536	DIFFUSER-RETURN
	10	1		81238B	MANIFOLD , SUCTION
S	11	1		28829	VALVE, BUTTERFLY (6" FLANGE)
	12	1		84166A	SPACER-MANIFOLD
	13	1		55535	STRAINER-SUCTION
	14	1		55539	VALVE-RELIEF, VACUUM
	15	2		56156	SIGHT PLUG, LIQUID LEVEL W/FLOATING BALL
	16	1		10218	CAP-PIPE 2NPT
	17	1		10431	COCK-DRAIN 1/4NPT
	18	1		56441	SWITCH-TEMPERATURE
	19	1		55252	SENSOR-OIL LEVEL
	20	2		12349	PLUG-PIPE 3/4 NPT
	21	2		84447A	STRAP, TANK
	22	1		56257	WEBBING, NEOPRENE 2"
	23	4		26205	WASHER, FL, 5/8 X 1.312 OD
	24	4		10183	WASHER, LK, HELI, 5/8 X 1.079 OD
	25	4		10150	NUT, HX, 5/8-18NF STL GR 5
	26	4		10001	CAPSCREW, HX, 1/4-20NC X 3/4 GR 5
	27	4		10162	WASHER, FL, 1/4 X 0.625 OD
	28	1		84388A	COVER, SWITCHES
	29	1		10256	ELBOW-STREET, 3/4 NPT, 150 PSI
S	30	1		55893	FILTER, SPIN ON
	31	2		10649	CAPSCREW, HX, 5/16-18NC, ZP X 3/4 GR 5
	32	2		10179	WASHER, LK, HELI, 5/16 X .586 OD
	33	1		84301F-040	HOSE ASSY FC211-12 40"LG. W/FJ9891 FTGS
	34	1		53365-1216	ADAPTER, TEE BRANCH #12 ORS, MALE X #16 O-RING ON BRANCH
	35	1		53360-1216	ADAPTER, STRAIGHT #12 ORS, MALE X #16 O-RING MALE

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ENG. APP. WFR
REL. CK. ELLIS

91158
90993
E.N. NO.

TEREX MINING

HYD. TANK ASSY

SHEET 1 OF 2

A85185A

ITM	QTY	UM	COMPONENT	DESCRIPTION
36	1		84301F-050	HOSE ASSY FC211-12 50" OAL W/FJ9891 FTGS
37	1		17141	CLAMP-CUSHION 7/8 ID
38	1		53367-1212	ADAPTER, STRAIGHT #12 ORS, MALE X 3/4 NPT, MALE
39	1		17413	NUT-HEX, FLXLC 3/8-16
99 R			A85185	DWG ONLY, HYDR TANK

MT4400,
SELF PRESSURIZING,
VERTICAL 30" DIA.
175 GAL CAP, INCLUDES
FILTER IN FILL LINE

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TEREX MINING™

HYD. TANK ASSY

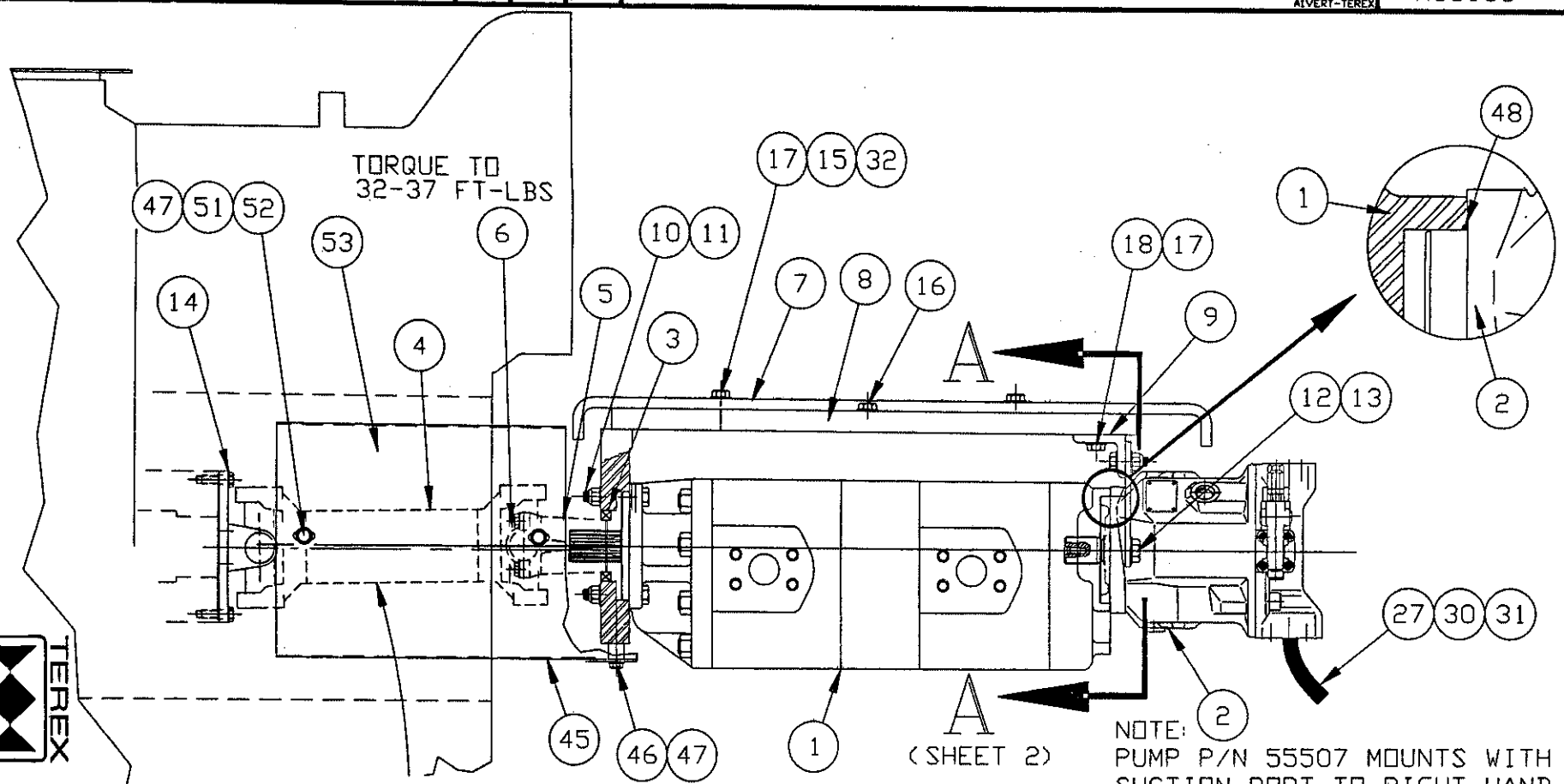
SHEET 2 OF 2

A85185A

E.N. NO.	90993	91174	91257	91652	93446				ELLIS	NIELSEN	Robinson
									REL. CK.	ENG. APP.	DR.

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ALVERT-TEREX A85186



NOTE:
PUMP P/N 55507 MOUNTS WITH SUCTION PORT TO RIGHT HAND SIDE, PUMP P/N 56038 MOUNTS WITH SUCTION PORT DOWN.

ADJUSTMENT PROCEDURE

1. INSTALL SCAVENGER BLOWER SHEAVE IF USED.
2. GREASE PUMP SHAFT AND YOKE SPLINE (ITEMS 4 & 5).
3. INSTALL DRIVE SHAFT ON PUMP SHAFT AND GENTLY PUSH FORWARD UNTIL PUMP WILL NOT MOVE. MOVE PUMP BACK 3/16. WITH PROPER ADJUSTMENT THERE SHOULD BE APPROX. 3/16" FORWARD ADJUSTMENT AND 2 1/2" AFT ADJUSTMENT.
4. CHECK ANGLE OF DRIVE SHAFT TO BOT. OF ALTERNATOR AND SET ANGLE PER ITEM 99 ON B. O. M. ±1/2° (IF REQ'D), USE UPPER WASHERS (ITEM 25) ON SECT. "B-B" TO ADJUST.
5. TIGHTEN MOUNTING HARDWARE PER 02-475 SPECIFICATIONS.
6. FILL PUMP SPLINE GREASE CAVITY USING GREASE FITTING INSIDE DRIVE SHAFT U-JOINT.

TEREX MINING™

HYDR PUMP DRIVE

SHEET 1 OF 3

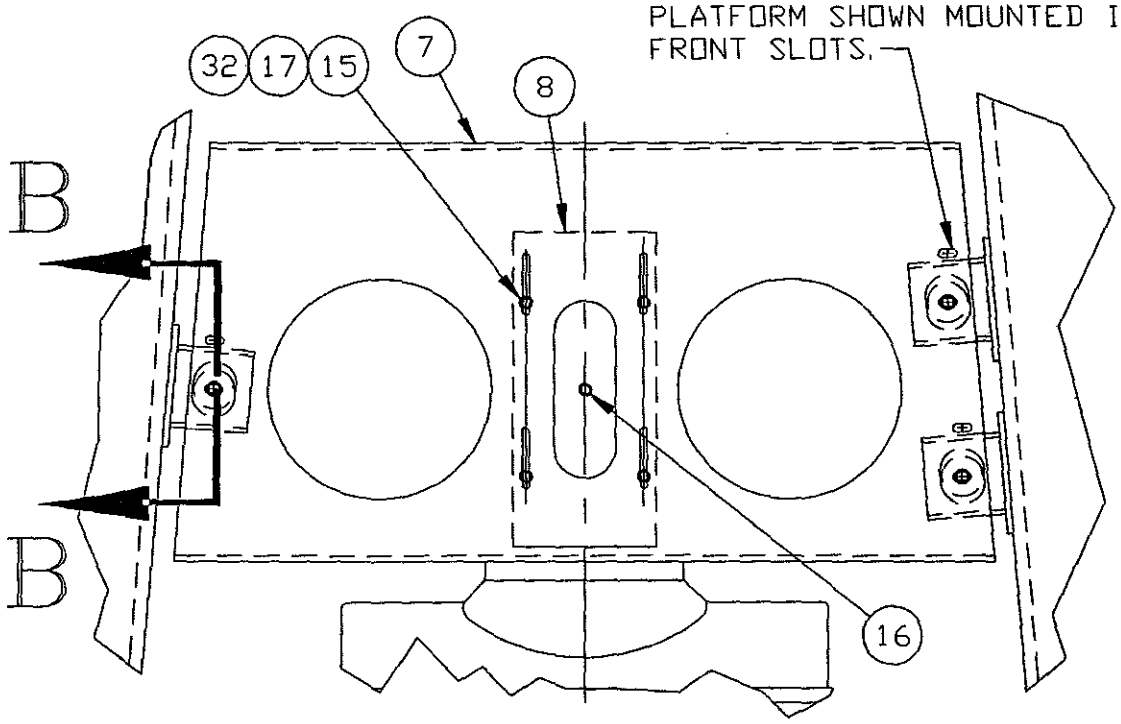
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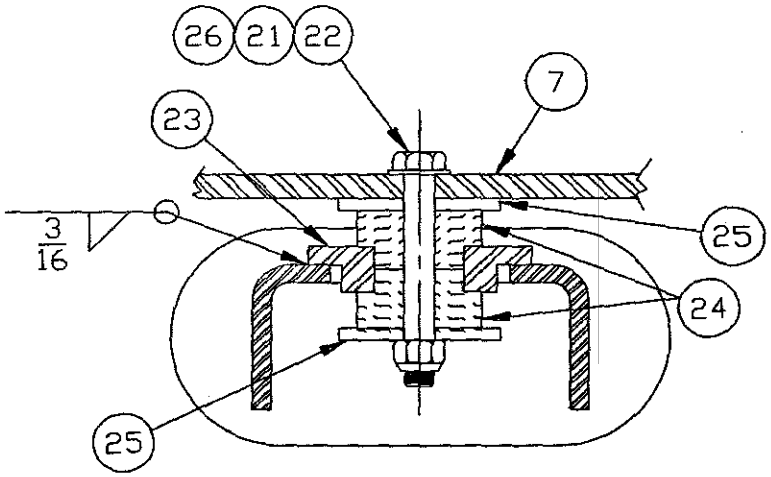
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E.N. NO.	

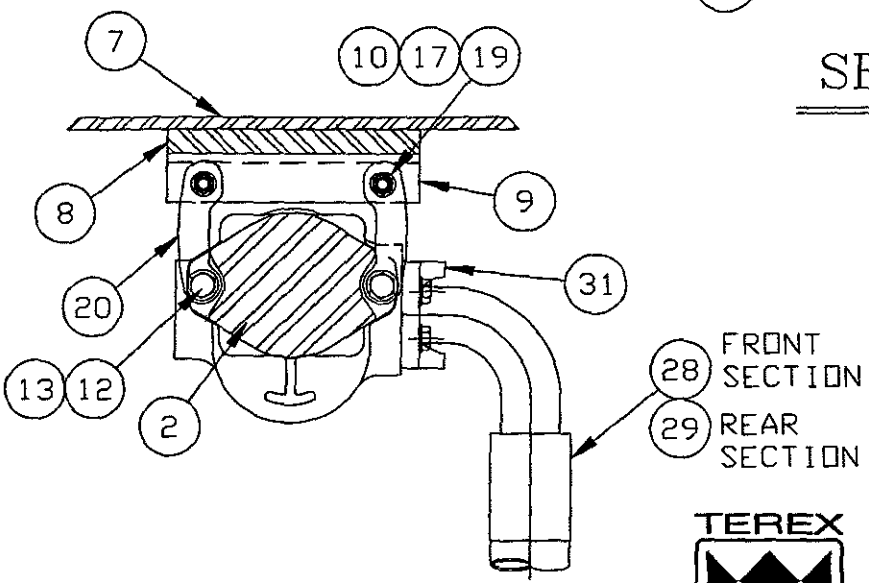
USE REAR SLOTS WITH 56038 PUMP. PLATFORM SHOWN MOUNTED IN FRONT SLOTS.





SEC B—B

(TYP 3 PLCS)



SEC A—A

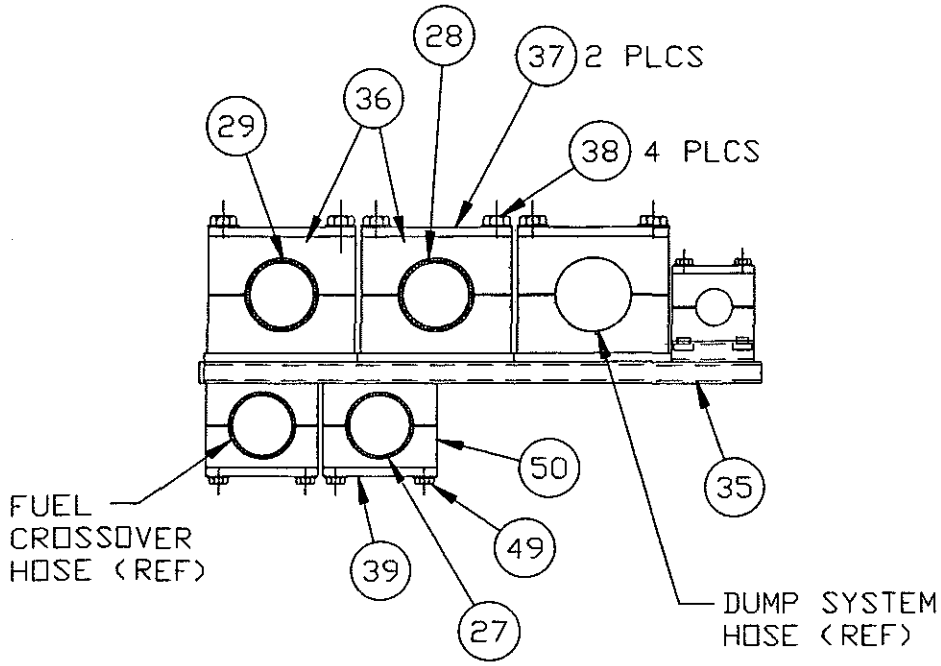
TEREX MINING™

HYDR PUMP DRIV

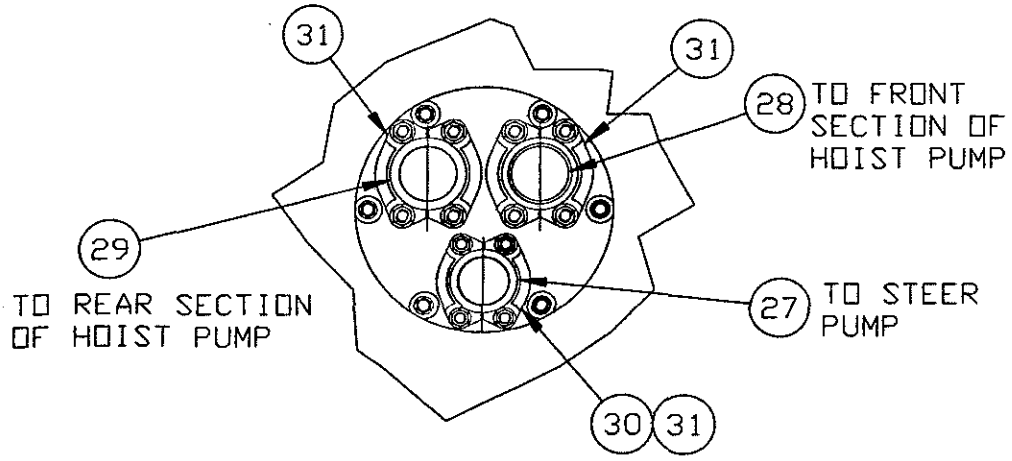
SHEET 2 OF 3

A85186

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HOSE SUPPORT ASSEMBLY



SUCTION PORTS ON
HYDRAULIC TANK

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E.N. NO.

TEREX MINING

HYDR PUMP DRIVE

SHEET 3 OF 3

A85186

A85186G

	ITM		QTY	UM	COMPONENT	DESCRIPTION
S	1		1		56090	PUMP, TANDEM GEAR
S	2		1		55507	PUMP-PISTON, STRG SET @ 3500P
	3		1		22549	SEAL, OIL
S	4		1		84202J	DRIVESHAFT-PUMP 20-3/4" CROSS TO CROSS
	5		1		55566	YOKE-SLIP
	6		1		55668	KIT, STRAPS & BOLTS
	7		1		82273E	PLATFORM-PUMP
	8		1		82274B	BRACKET-PUMP
	9		1		82272B	BRACKET, TAIL SUPPORT
	10		6		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
	11		4		52057	CAPSCR, HX, 1/2-13NC X 2-3/4 GR 8
	12		2		901528	CAPSCR, HX, 5/8-11NC X 2 GR 8
	13		2		10183	WASHER, LK, HELI, 5/8 X 1.079 OD
	14		8		53245	CAPSCR, HX, 3/8-24NF X 1 GR 8
	15		4		52066	CAPSCR, HX, 1/2-13NC X 2 GR 8
	16		1		10027	CAPSCR, HX, 1/2-13NC X 1 GR 5
	17		8		24777	WSHR, FL, HARDND, 1/2 X 1.375 OD
	18		2		10028	CAPSCR, HX, 1/2-13NC X 1-1/4 GR 5
	19		2		17744	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 8
	20		2		84252A	BRACKET-SUPPORT
	21		3		10058	CAPSCR, HX, 5/8-11NC X 5-1/2 GR 5
	22		3		52387	NUT, HXLK, 5/8-11NC ESNA 21NE-101 ZINC
	23	R	3		1000683	BLOCK-MOUNT-RUBBER
	24		6		1000261	BUSHING
	25		18		600006C2	WASHER- FLT PLT .64ID X 3
	26		3		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
	27		1		84300K-091	HOSE ASSY 2661-32 91" LG W/FC9235 & FC9237 FTGS
	28		1		84300M-075	HOSE ASSY 2661-40 75" OAL W/FC9153-4040 & FC9152-4040 FTGS
	29		1		84300M-072	HOSE ASSY 2661-40 72" OAL W/FC9153-4040 & FC9152-4040 FTGS
	30		1		1004454	KIT-SPLIT FLANGE SIZE 32 CODE 61

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E.N. NO.

TEREX MINING

HYD. PUMP DRIVE ASSY

A85186G

A85186G

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	30	1		1004454	KIT-SPLIT FLANGE SIZE 32 CODE 61
	31	2		1004455	KIT-SPLIT FLANGE SIZE 40 CODE 61
	31	2		1004455	KIT-SPLIT FLANGE SIZE 40 CODE 61
	32	4		1004296	WASHER, MTG, CAB
	35	1		84396A	BRACKET, HOSE CLAMPS
	36	2		55692	CLAMP HALVES, 3"
	37	2		1000144	PLATE, CAP, CLAMP
	38	4		52107	CAPSCR, HX, 5/8-11NC X 5-1/4 GR 5
S	39	1		84211X	CLAMP-SUPPORT ASSY 2.50 ID
	45	1		82320E	GUARD, DRIVELINE
	46	3		52117	CAPSCR, HX, 3/8-16NC X 3/4 GR 8
	47	3		10164	WASHER, FL, 3/8 X 1 OD, ZP
	48	1		55908	O-RING, SIZE 049 70 DURO BUNA N
	99 R	1		N85186G	ASSEMBLY NOTES ONLY: DRIVE SHAFT INSTALLATION ANGLE = 2 DEGREES.
	100 R			A85186	DWG ONLY, HYD PMP DRVE

MT4400AC W/DOUBLE HOIST PUMP & STD STEERING PISTON PUMP.

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HYD. PUMP DRIVE ASSY

SHEET 2 OF 2

A85186G

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Robinson ENG. APP.

NIELSEN REL. DR.

ELLIS

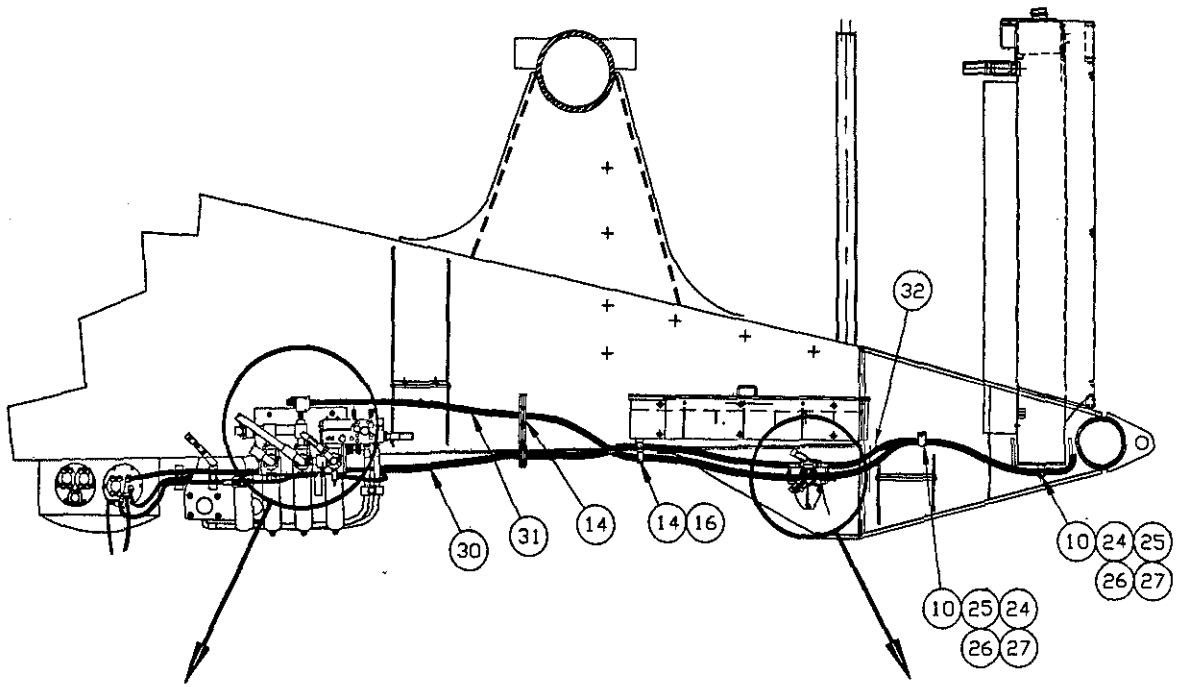
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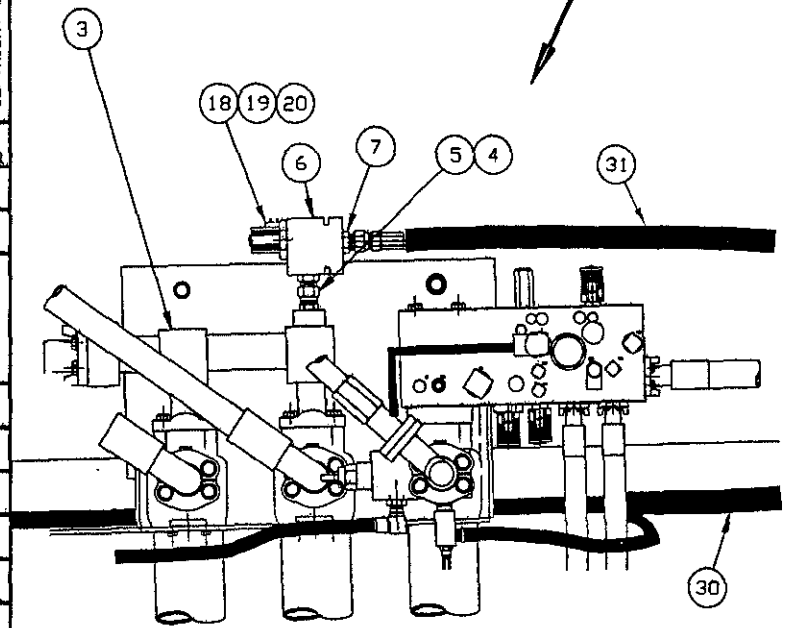
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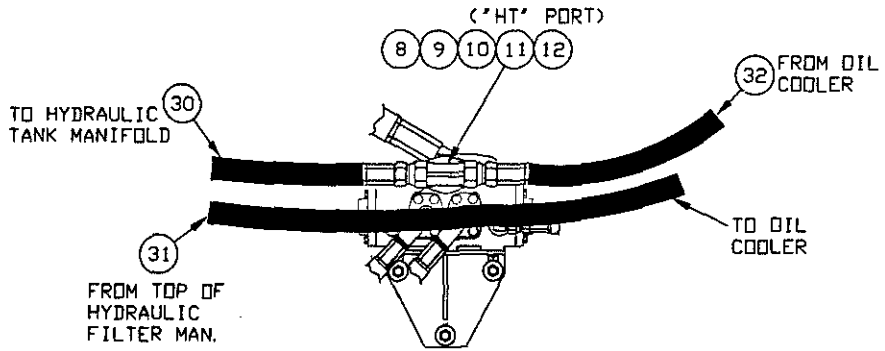
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UNIT RIG

CAD SIZE

HYDRAULIC OIL COOLER ASSY.

SHEET 1 OF 3

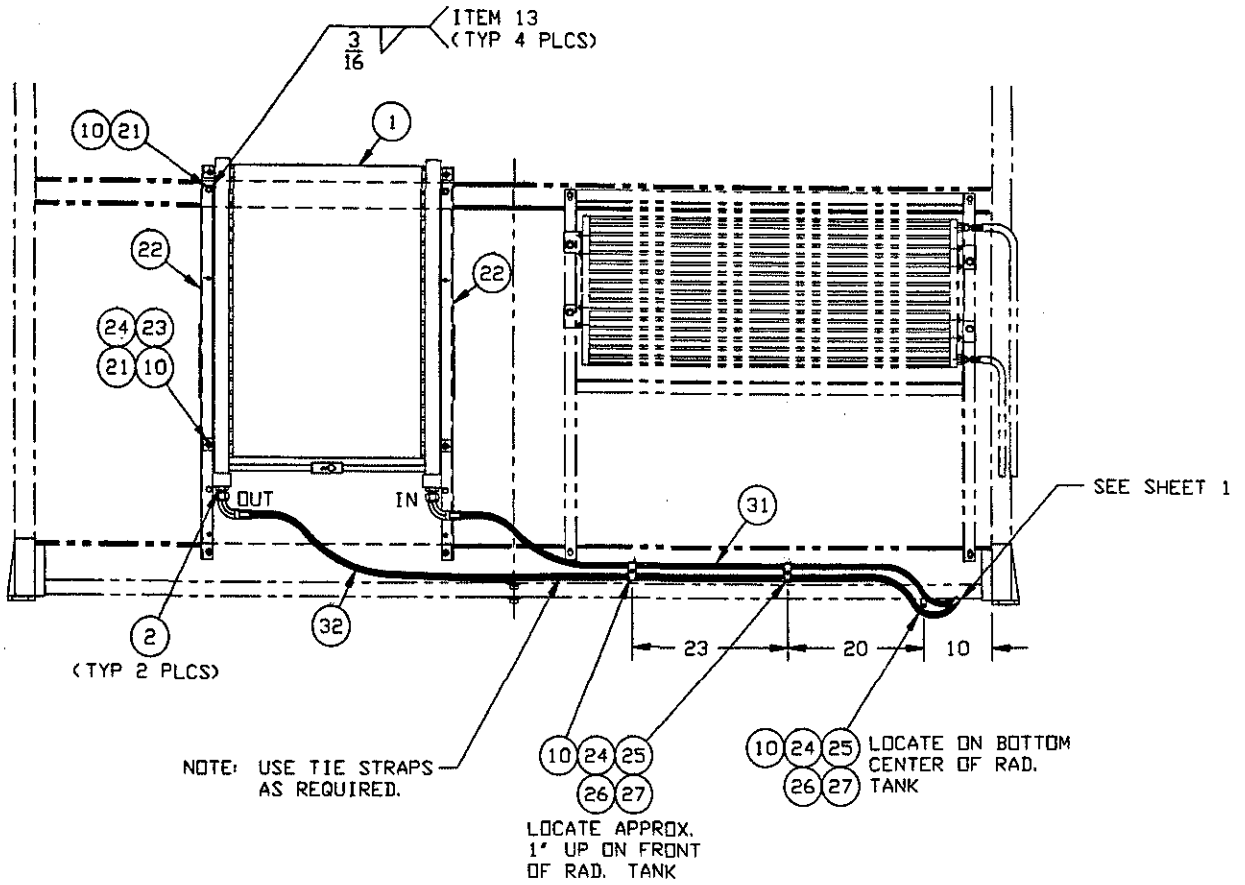
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FRONT VIEW OF RADIATOR

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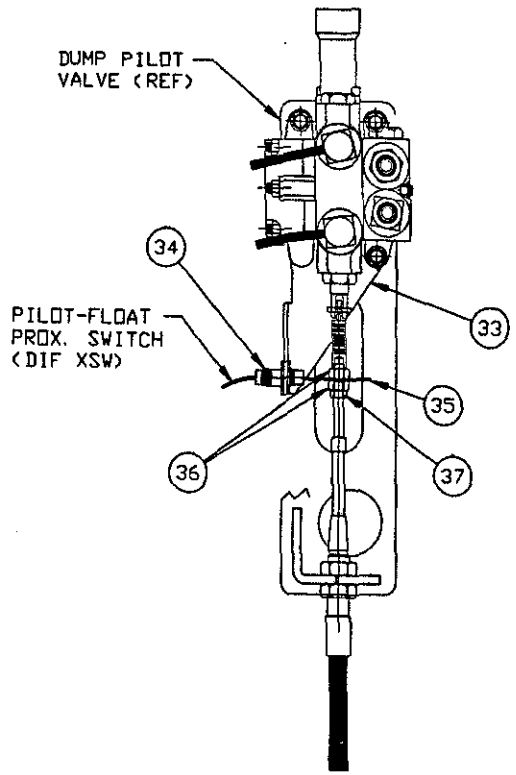
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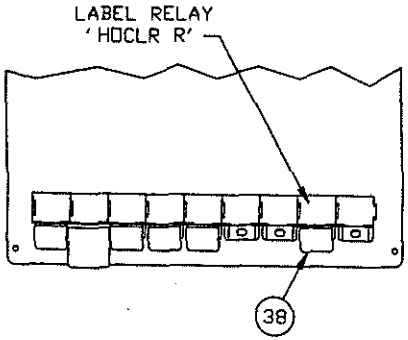


ADJUSTMENT PROCEDURE:

1. ADJUST SWITCH TO 3/32" FROM WASHER.
2. WITH PILOT VALVE IN THE FLOAT POSITION, ADJUST THE TOP OF THE WASHER TO ALIGN WITH THE CENTERLINE OF THE PILOT-FLOAT PROX. SWITCH.
3. IF NECESSARY, SLIGHTLY ADJUST THE HEIGHT OF THE WASHER OR SWITCH DISTANCE TO MEET THE CRITERIA LISTED BELOW.

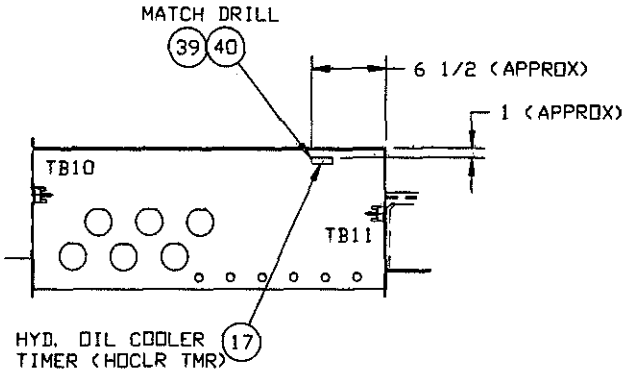
CRITERIA FOR PROPERLY ADJUSTED SWITCH ASSEMBLY

DOWN POSITION	SWITCH LIGHT IS ON
HOLD POSITION	SWITCH LIGHT IS ON
RAISE POSITION	SWITCH LIGHT IS ON
FLOAT POSITION	SWITCH LIGHT IS OFF



LOWER RIGHT DASH PANEL

SEE CAB CONFIGURATION FOR EXACT LOCATION



FRONT OF CAB

WIRE PER 'OPTION' SCHEMATIC

UNIT RIG

CAD

HYDRAULIC OIL COOLER ASSY.

SHEET 3 OF 3

A85399

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A85399A

ITM		QTY	UM	COMPONENT	DESCRIPTION
1		1		56177	COOLER-OIL
2		2		53360-1620	ADAPTER-STRAIGHT #16 ORS, MALE X #20 O-RING, MALE
3	R	1		84487E	MANIFOLD, HYDR FILTERS
4		1		55142	ADAPTER, STRAIGHT #16 JIC, FEM SWIVEL X #16 O-RING, MALE
5		1		986163	ADAPTER, STRAIGHT #16 JIC, MALE X #16 O-RING, MALE
S 6		1		*56178*	VALVE-SOL CARTRIDGE, W/MANIFOLD
7		1		53360-1616	ADAPTER-STRAIGHT #16 ORS, MALE X #16 O-RING, MALE
8		1		24275	FLANGE-ADAPTER #16 SPLIT FLANGE TO #16 SAE O-RING FEMALE
9		1		15202	O-RING 1-5/16 ID X 1-9/16 OD
10		4		10180	WASHER, LK, HELI, 3/8 X .683 OD
10		13		10180	WASHER, LK, HELI, 3/8 X .683 OD
11		4		12478	CAPSCR, HXSKT, 3/8-16NC X 1-1/2 GR 8
12		1		53365-1616	ADAPTER, TEE, BRANCH #16 ORS MALE X #16 O-RING BOSS MALE
13		4		950299	PAD, BOLTING 3/8 NC 3/4 OD X 1-1/4 LG
S 14		6		*84211J*	CLAMP-SUPPORT ASSY 1.315 ID
16		6		25601	CAPSCR, HX, 3/8-16NC X 5-1/2 GR 5
17		1		56206	MODULE, TIMING
18		1		55943	CONNECTOR-1/2NPTF DIN 43650
19		1		55944	GASKET DIN 43650 CONN.
20		1		84693C	GRIP (DWG 84693A-Z) 1/2" STR - PVC PIPE
21		8		10013	CAPSCR, HX, 3/8-16NC X 1-1/4 GR 5
22		2		84978E	BRACKET-OIL COOLER
23		4		17413	NUT-HEX, FLXLC 3/8-16
24		9		10164	WASHER, FL, 3/8 X 1 OD, ZP
25		4		948634	PAD, BOLTING 3/8 NC 3/4 OD X 3/4 LG
26		10		17143	CLAMP-CUSHION 1-9/16
27		4		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5

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ENG. APP. WFR
REL. CK. ELLIS

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E.N. NO.

*SEE SERVICE PARTS

TEREX UNIT RIG

HYD. OIL COOLER ASSY

A85399A

A85399A

ITM	QTY	UM	COMPONENT	DESCRIPTION
30	1		84306G-177	HOSE ASSY FC211-16 177" LG W/FJ9891 & FJ9237 FTGS
31	1		84303G-269	HOSE ASSY FC211-16 269" LG W/ FJ9891 & FJ9893 FTGS
32	1		84303G-165	HOSE ASSY FC211-16 165" LG W/ FJ9891 & FJ9893 FTGS
33	1		84427A	BRACKET-SENSOR
34	1		53963	SWITCH ASSY, PROXIMITY
35	1		55718	WASHER, 1/2 X 2 OD
36	2		55719	NUT-HEX, LOCK, THIN
37	1		16429	NUT HEX 5/16NF
38	1		53898	RELAY-SPDT 24V
39	2		25650	SCREW, MACH, RHD, 6-32NC X 5/8 GR 2
40	2		10122	NUT-HEX(6-32 NC)
42	4		1021686	TERMINAL, ELECTRIC 18-14 AWG
43	1		20691	TERMINAL-BUTT SPLICE 22-16 AWG
44	12		20707	TERMINAL-RING TONGUE #10 HOLE, 18 AWG
45	2		20708	TERMINAL-FEMALE TAB 1/4" WIDE, 22-18 AWG
46	1		20632	TERMINAL-RING TONGUE 5/16 HOLE, 18 AWG
47	1		56299	TERMINAL, RING TONGUE 3/8 STUD 22-16 AWG
48	1		53803	CONNECTOR-FEMALE MATE TO 53952 (MALE) USE 04-62-201-16141 SOCKETS. WEDGE LOCK W3S
49 R	3		82933G	TERMINAL, SOC(DWG A-Z) 16-18GA NICKLE PLATED SOC FOR 30 SERIES PLG
50	27	FT	84024F	CONDUIT (DWG84024A-Z) I.D. .25 (6MM)
51	1		25487	DIODE-SILICON 3 AMP CAPACITY
52	4	IN	23394	SLEEVE BULK HT SHRINK 1/8" TO 1/16"
53	117	FT	24582	CABLE-18AWG
99 R	1		A85399	DWG ONLY, OIL COOLER

OIL COOLER ON MT4400

ALVERT-TEREX
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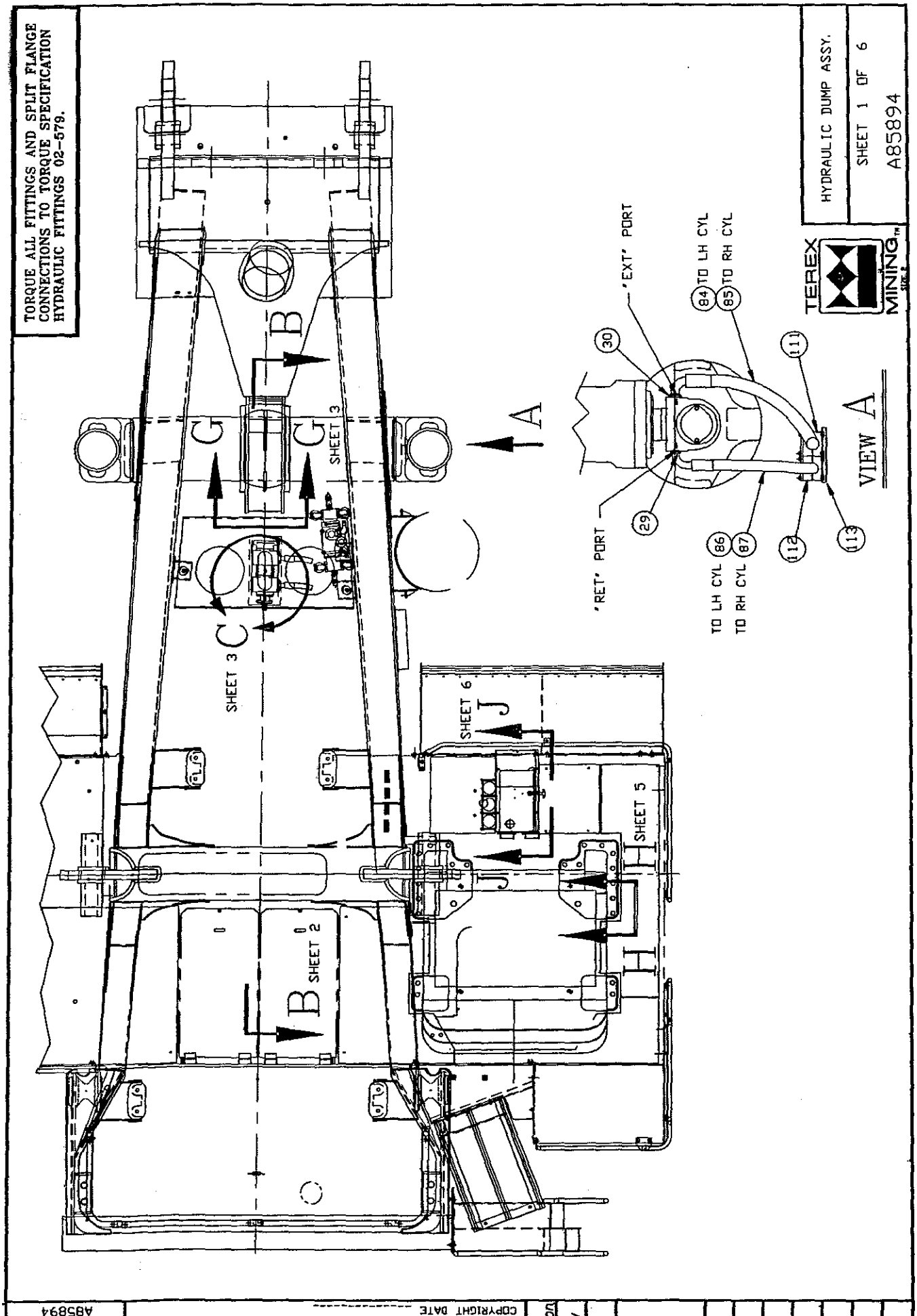
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E.N. NO.

TEREX
UNIT RIG

HYD. OIL COOLER ASSY

SHEET 2 OF 2

A85399A



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DR.	Robinson
CHK. BY.	Nielsen
REL. BY.	ELLIS

E.N. NO.
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A85894

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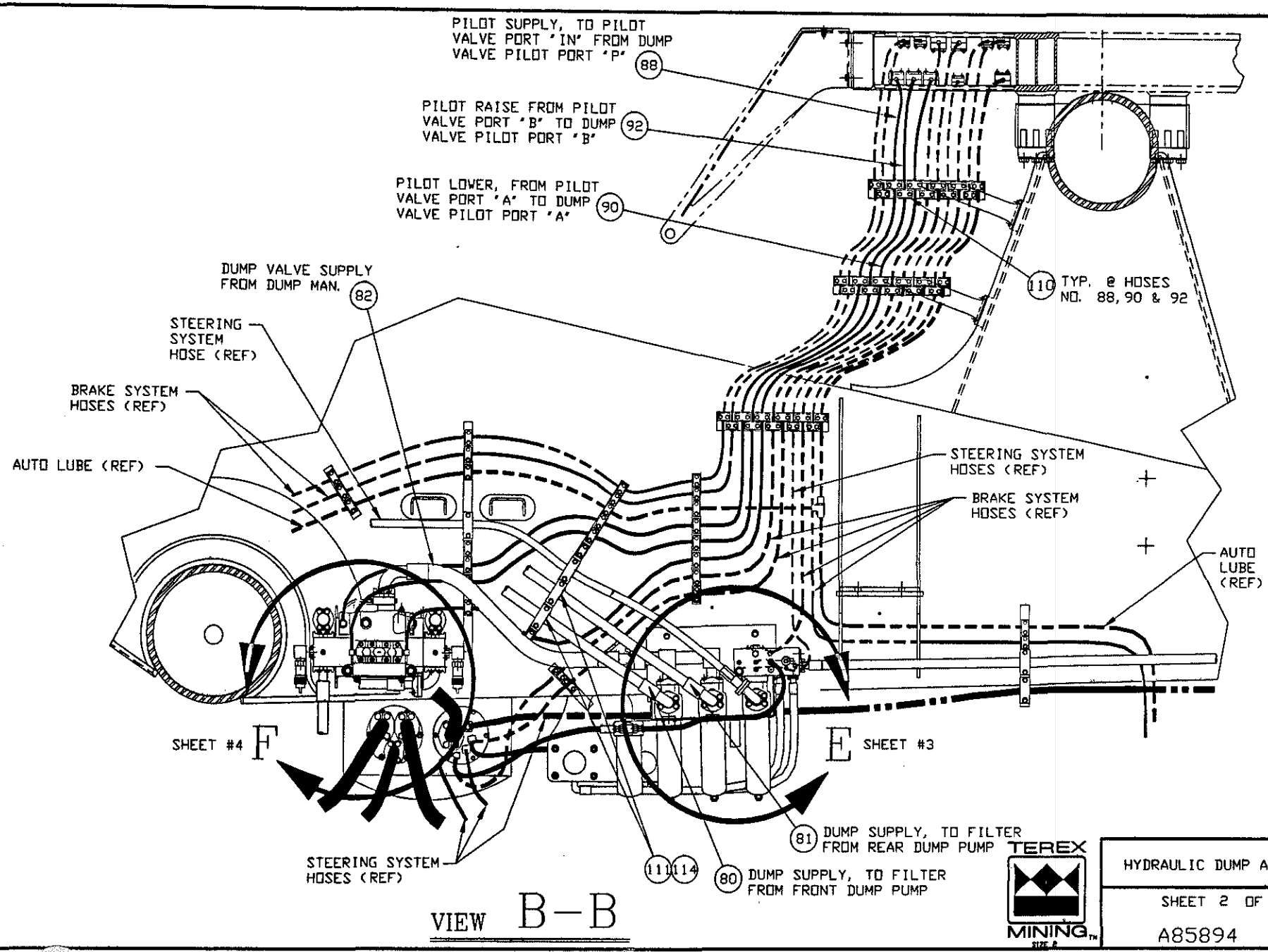
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REL. DR.

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E.N. NO.



VIEW B–B

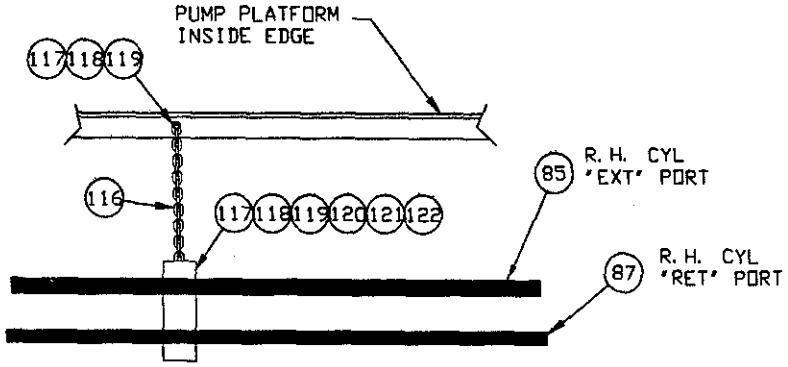
TEREX MINING

HYDRAULIC DUMP ASSY.
SHEET 2 OF 6
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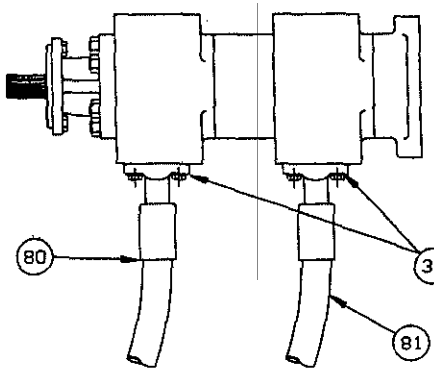
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VIEW G–G

INSIDE REAR EDGE OF PUMP PLATFORM

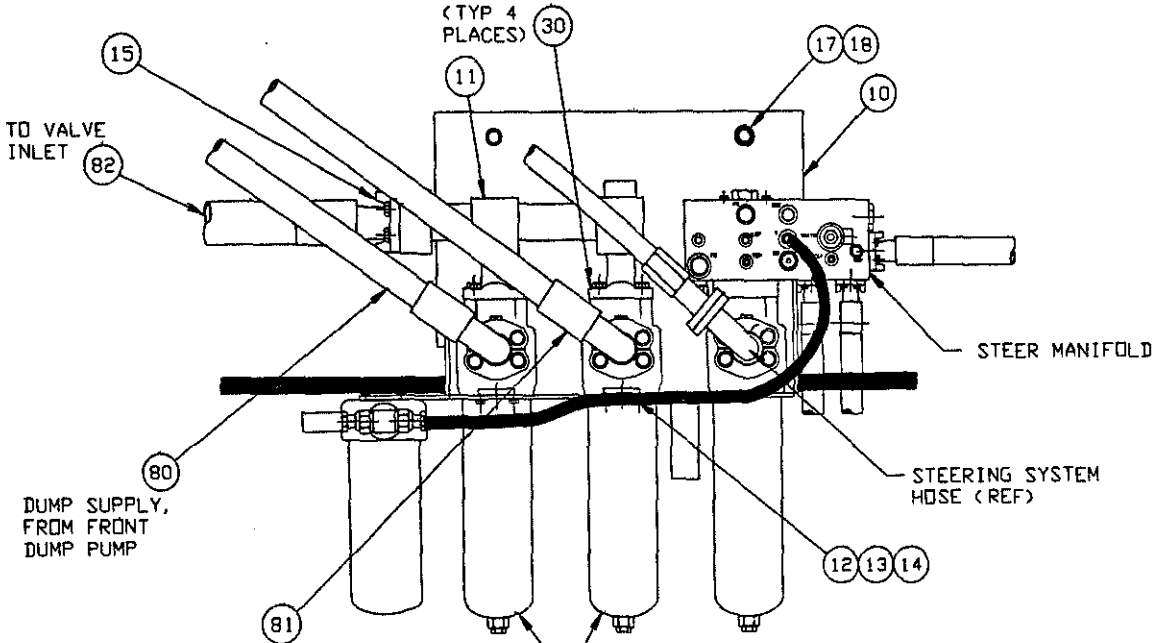


DUMP SUPPLY TO REAR FILTER

DUMP SUPPLY TO MIDDLE FILTER

VIEW C

AT PUMP PLATFORM



VIEW E (INSIDE LEFT FRAME RAIL)

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX MINING SIZE B

HYDRAULIC DUMP ASSY.

SHEET 3 OF 6

A85894

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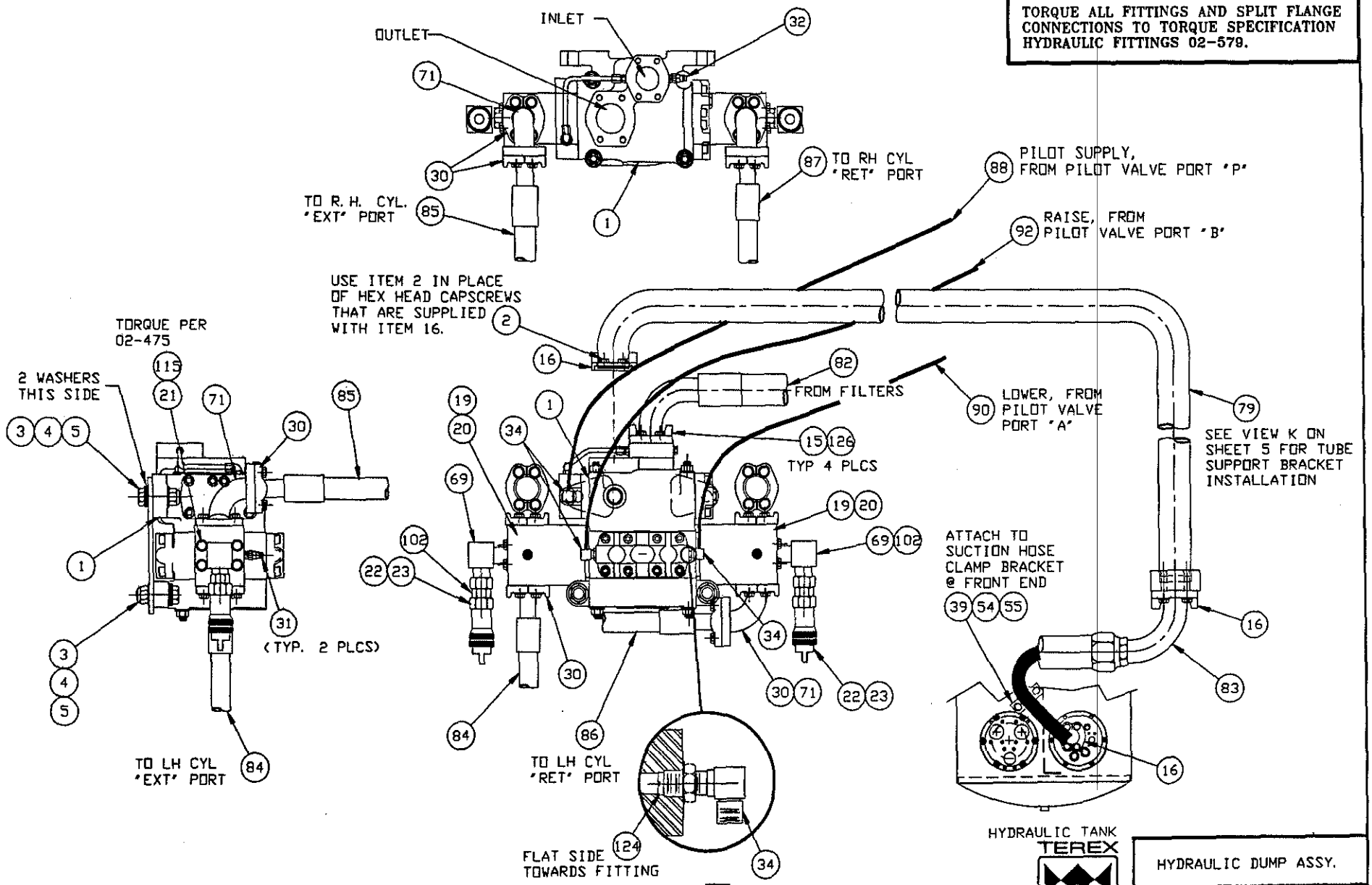
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TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.



VIEW F
INSIDE LEFT FRAME RAIL

TEREX MINING SIZE E

HYDRAULIC DUMP ASSY.

SHEET 4 OF 6

A85894

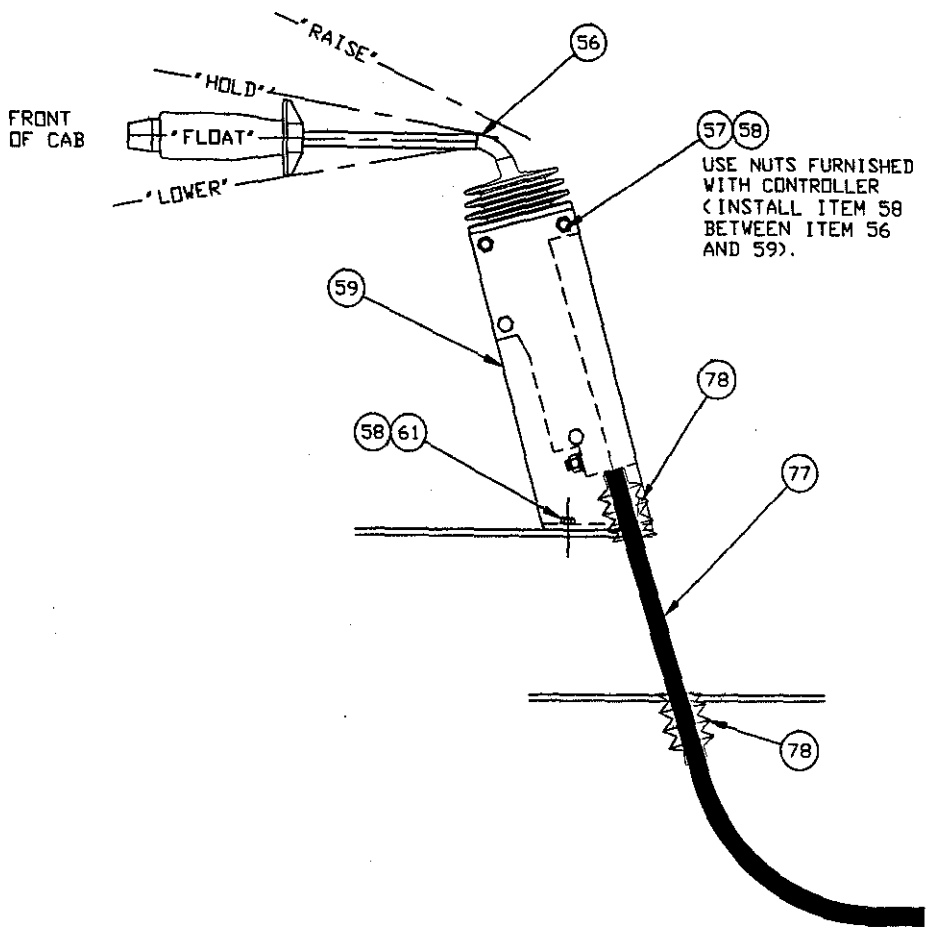
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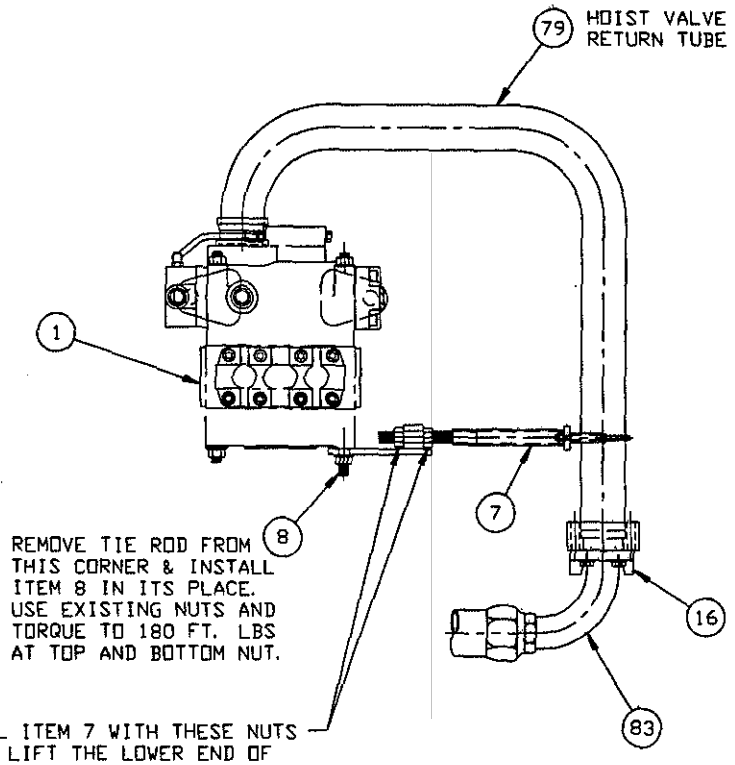
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VIEW H–H

INSIDE LEFT SIDE OF CAB



VIEW K

HOIST VALVE RETURN TUBE SUPPORT BRACKET

TEREX MINING

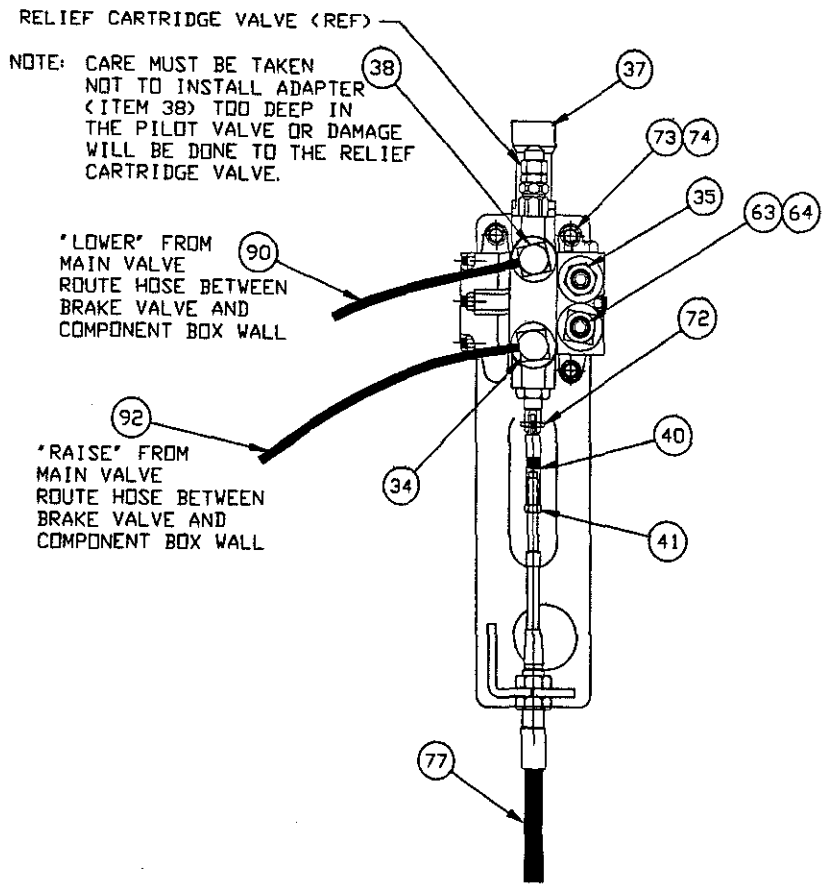
HYDRAULIC DUMP ASSY.

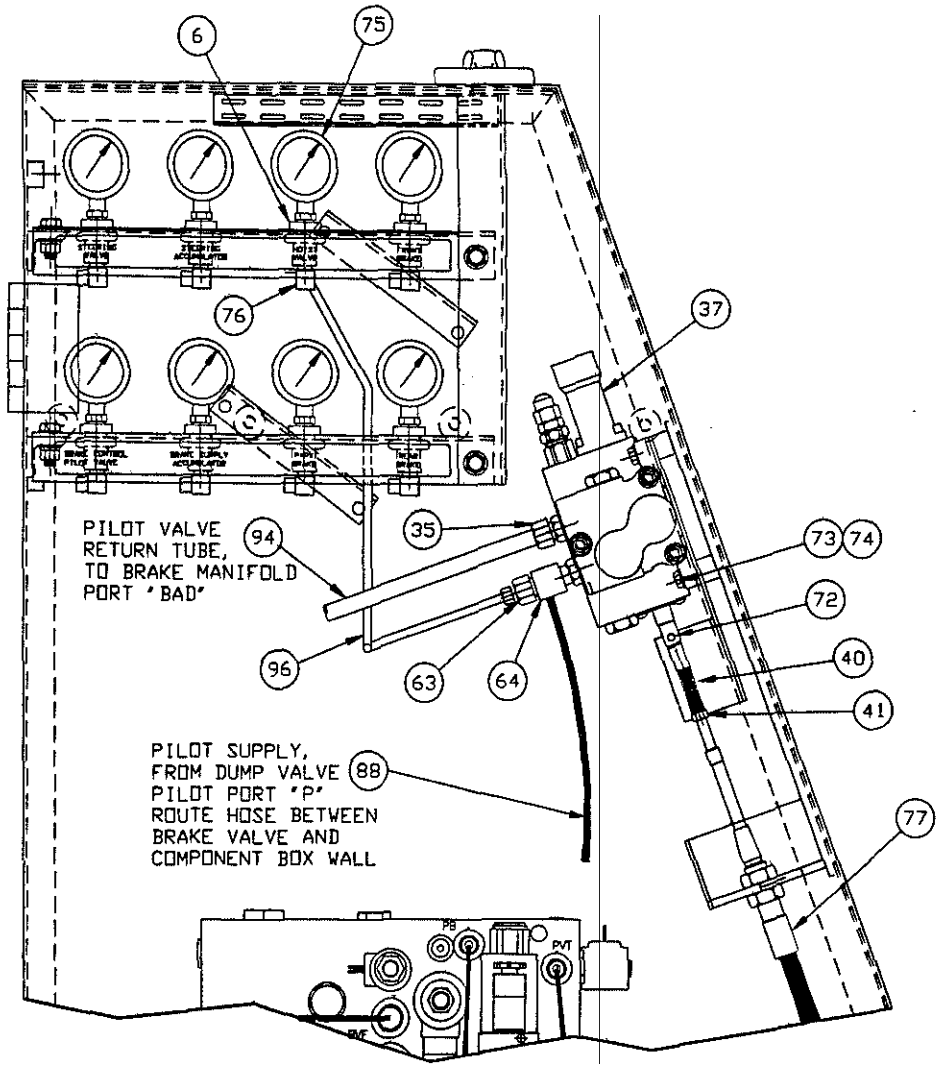
SHEET 5 OF 6

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TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.





VIEW J—J

INSIDE HYDRAULIC COMPONENTS BOX

TEREX MINING

HYDRAULIC DUMP ASSY.

SHEET 6 OF 6

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	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		*55565*	VALVE DUMP
	2	4		1032477	CAPSCR, 12PT, 1/2-13NC X 1-3/4 GR 8
	3	3		10082	CAPSCR, HEX, 7/8-9NC X 3 GR 5
	4	6		63416A	WASHER, FL, HARDND, 7/8 X 1.625 OD
	5	3		12284	NUT-HX, CRNLK 7/8-9NC
	6	1		56781	ADAPTER, BULKHEAD, STRAIGHT #4 O-RING BOSS FEMALE X #4 O-RING BOSS FEMALE
	7	1		86043A	TENSIONER ASSEMBLY
	8	1		*56973*	TIE ROD
S	9	2		55585	FILTER, HYDR PRESSURE
	10	1		79949M	BRACKET-FILTERS
	11	1		84487E	MANIFOLD, HYDR FILTERS
	12	8		10165	WASHER, FL, 7/16 X .921 OD
	13	8		11107	CAPSCREW, HX, 7/16-14NC X 1-1/4 GR 5
	14	8		10181	WASHER, LK, HELI, 7/16 X .779 OD
	15	1		1004454	KIT-FLANGE(DWG 1101671) SIZE 32 CODE 61
	15	1		1004454	KIT-FLANGE(DWG 1101671) SIZE 32 CODE 61
	16	1		1004455	KIT-FLANGE(DWG 1101671) SIZE 40 CODE 61
	16	1		1004455	KIT-FLANGE(DWG 1101671) SIZE 40 CODE 61
	16	1		1004455	KIT-FLANGE(DWG 1101671) SIZE 40 CODE 61
	17	4		10182	WASHER, LK, HELI, 1/2 X .873 OD
	18	4		10028	CAPSCREW, HX, 1/2-13NC X 1-1/4 GR 5
	19	2		15209	O-RING SIZE 228
	20	2		78415B	MANF-DUMP VALVE
	21	8		52063	CAPSCREW, HX, 1/2-13NC X 7-1/2 GR 8
	22	2		55568	COUPLING-QUICK, FEMALE
	23	2		24766	PLUG-DUST
	29	2		1004452	KIT-FLANGE (DWG 1101671) SIZE 20 CODE 61
	30	2		1004453	KIT, FLG (DWG 1101671) SIZE 24 CODE 61
	30	2		1004453	KIT, FLG (DWG 1101671) SIZE 24 CODE 61
	30	4		1004453	KIT, FLG (DWG 1101671) SIZE 24 CODE 61

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TEREX MINING™

HYDRAULIC DUMP ASSY

A85894A

A85894A

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	30	7		1004453	KIT, FLG (DWG 1101671) SIZE 24 CODE 61
	31	2		55652	COUPLING-TEST USE 55724 & 55725-0404 TO ATTACH TO 55652 TEST COUPLING
	32	1		55723	CONNECTOR-QUICK
	34	3		53363-0808	ADAPTER, 90 DEG ORS / ORB #8 ORS, MALE X #8 O-RING, MALE
	34	1		53363-0808	ADAPTER, 90 DEG ORS / ORB #8 ORS, MALE X #8 O-RING, MALE
	35	1		53360-1208	ADAPTER, STRAIGHT #12 ORS, MALE X #8 O-RING, MALE
S	37	1		*55561*	VALVE-CONTROL, PILOT
	38	1		53364-0808	ADAPTER, 90 DEG, LONG #8 ORS, MALE X #8 O-RING, MALE
	39	1		56396	CLAMP-3" W/INSERT
	40	1		79703E	CLEVIS-PILOT VALVE
	41	1		16429	NUT HEX 5/16NF
	54	1		1000144	PLATE, CAP, CLAMP
	55	2		52107	CAPSCREW, HX, 5/8-11NC X 5-1/4 GR 5
S	56	1		*55613*	CONTROLLER, CABLE
	57	3		10004	CAPSCREW, HX, 1/4-20NC X 1-3/4 GR 5
	58	9		10162	WASHER, FL, 1/4 X 0.625 OD
	59	1		83539B	BRACKET, CABLE CONTROL
	61	3		10002	CAPSCREW, HX, 1/4-20NC X 1 GR 5
	63	1		53373-0408	ADAPTER-STR REDUCER #4 ORS, MALE X #8 ORS, FEMALE
	64	1		53366-0808	ADAPTER, TEE #8 ORS, MALE X #8 O-RING, MALE RUN
	69	2		53383-1616	ADAPTER-SWIVEL 90 #16 ORS, FEMALE X #16 O-RING, MALE
	71	3		1007418	ADAPTER, 90 DEG #24 SPLIT FLANGE X #24 SPLIT FLANGE
	72	1		55615	PIN-ROLL
	73	3		10008	CAPSCREW, HX, 5/16-18NC X 1 GR 5
	74	3		10179	WASHER, LK, HELI, 5/16 X .586 OD

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HYDRAULIC DUMP ASSY

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ITM	QTY	UM	COMPONENT	DESCRIPTION
75	1		56857	GAUGE, PRESSURE, 0-5000 PSI
76	1		53363-0404	ADAPTER, 90 DEG #4 ORS, MALE X #4 O-RING, MALE
77	1		56115	CABLE, CONTROL 110" LG
78	2		1000323	SEAL, HARNESS, FIREWALL
79	1		85376A	TUBE-RETURN
80	1		84360J-069	HOSE ASSY FC254-24 69"LG W/FJ9761 & FJ9773 FTGS
81	1		84360J-079	HOSE ASSY FC254-24 79"LG W/FJ9761 & FJ9773 FTGS
82	1		84360K-052	HOSE ASSY FC254-32 52" LG W/FC5050 & FC5054 FTGS
83	1		56427	HOSE ASSY 150901-40 32" LG W/FC8152-4040S & FC8153-4040S FTGS
84	1		84360J-073	HOSE ASSY FC254-24 73"LG W/FJ9761 & FJ9773 FTGS
85	1		84360J-124	HOSE ASSY FC254-24 124"LG W/FJ9761 & FJ9773 FTGS
86	1		84361H-081	HOSE ASSY FC254-20 81"LG W/FJ9761JUMP & FJ9773 FTGS
87	1		84361H-125	HOSE ASSY FC254-20 125"LG W/FJ9761JUMP & FJ9773 FTGS
88	1		84315C-255	HOSE ASSY FC310-08 255"LG W/FJ9891 FTGS
90	1		84315C-255	HOSE ASSY FC310-08 255"LG W/FJ9891 FTGS
92	1		84315C-255	HOSE ASSY FC310-08 255"LG W/FJ9891 FTGS
94	1		84555E	TUBE ASSY-HYD 3/4"
96	1		84380W	TUBE ASSY-HYD 1/4"
102	2		53360-1616	ADAPTER, STRAIGHT #16 ORS, MALE X #16 O-RING, MALE
S 110	18	*	84211E *	CLAMP-SUPPORT ASSY .75 ID
S 110	3	*	84211E *	CLAMP-SUPPORT ASSY .75 ID
S 111	2	*	84211N *	CLAMP-SUPPORT ASSY 2.13 ID
S 111	2	*	84211N *	CLAMP-SUPPORT ASSY 2.13 ID

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HYDRAULIC DUMP ASSY

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	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	112	2		*84211M*	CLAMP-SUPPORT ASSY 1.90 ID
	113	2		A84393A	BRACKET, CLAMP -10" LG
	114	2		18902	CLAMP-CUSHION 1/2 1/2" ID
	115	8		1001013	WASHER, HARDND, 1/2 X 1" OD NARROW
	116	20	IN	21956	CHAIN BULK .18 PROOF
	117	2		10012	CAPSCREW, HX, 3/8-16NC X 1 GR 5
	118	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
	119	2		17413	NUT-HEX, FLXLC 3/8-16
	120	1		A84393K	BRACKET, CLAMP 24" LG
S	121	1		*84211N*	CLAMP-SUPPORT ASSY 2.13 ID
S	122	1		*84211M*	CLAMP-SUPPORT ASSY 1.90 ID
	124	1		55772	PLATE-ORIFICE, 0.086 DIA
	126	4		52057	CAPSCREW, HX, 1/2-13NC X 2-3/4 GR 8
	199			A85894	DWG ONLY, HYDR DUMP

MT4400AC
SINGLE INLET DUMP VALVE.
CABLE CONTROL PILOT VALVE.

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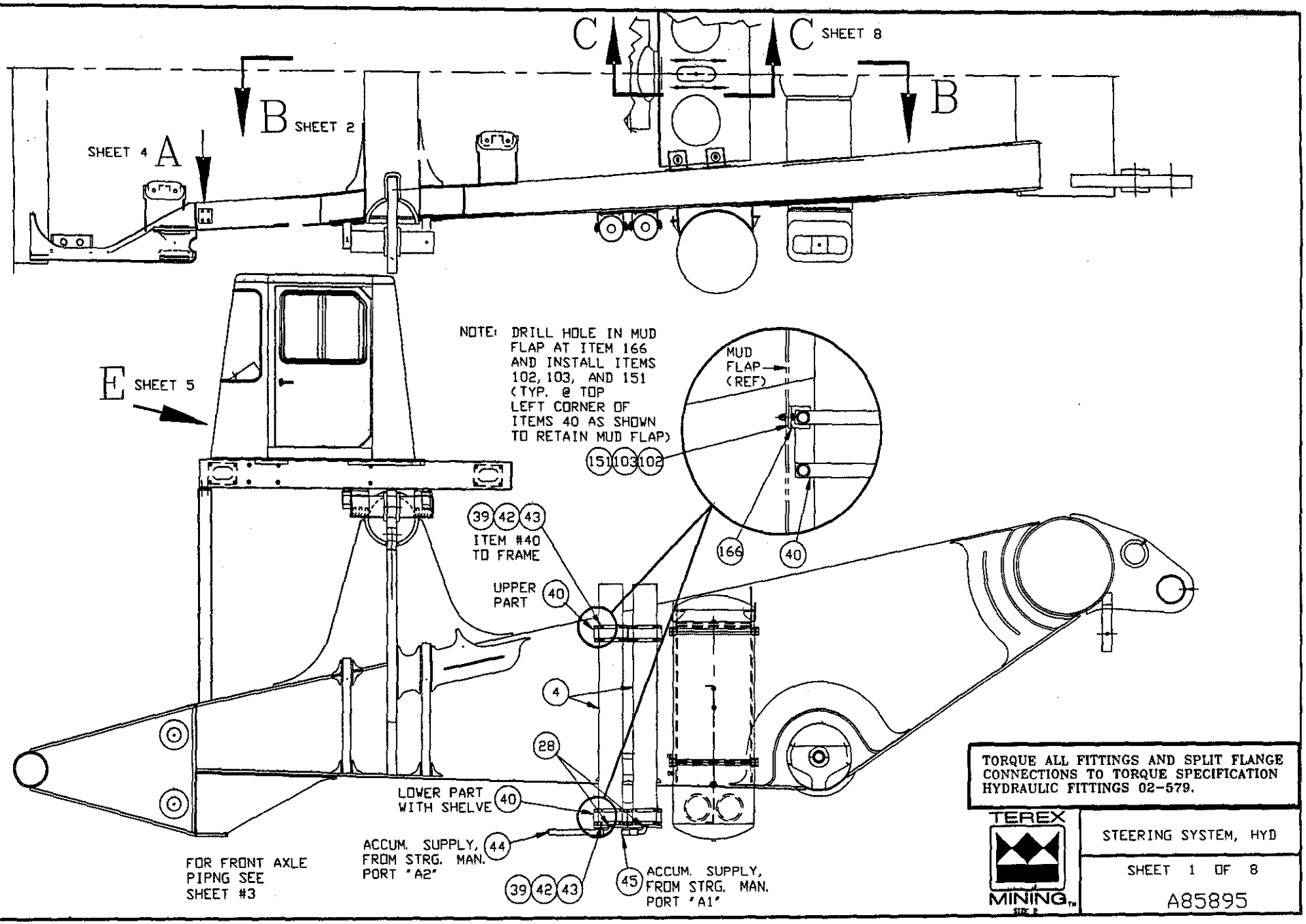
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HYDRAULIC DUMP ASSY

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REL. DR. ELLIS
93949
92906
92552
E.N. NO.
C
C SHEET 8
B
B SHEET 2
SHEET 4 A
E SHEET 5
NOTE: DRILL HOLE IN MUD FLAP AT ITEM 166 AND INSTALL ITEMS 102, 103, AND 151 (TYP. @ TOP LEFT CORNER OF ITEMS 40 AS SHOWN TO RETAIN MUD FLAP)
MUD FLAP (REF)
151 103 102
39 42 43
ITEM #40 TO FRAME
UPPER PART 40
166
40
4
28
LOWER PART WITH SHELVE 40
ACCUM. SUPPLY, FROM STRG. MAN. PORT 'A2' 44
39 42 43
45 ACCUM. SUPPLY, FROM STRG. MAN. PORT 'A1'
FOR FRONT AXLE PIPNG SEE SHEET #3
TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.
TEREX MINING
STEERING SYSTEM, HYD
SHEET 1 OF 8
A85895
B1115389

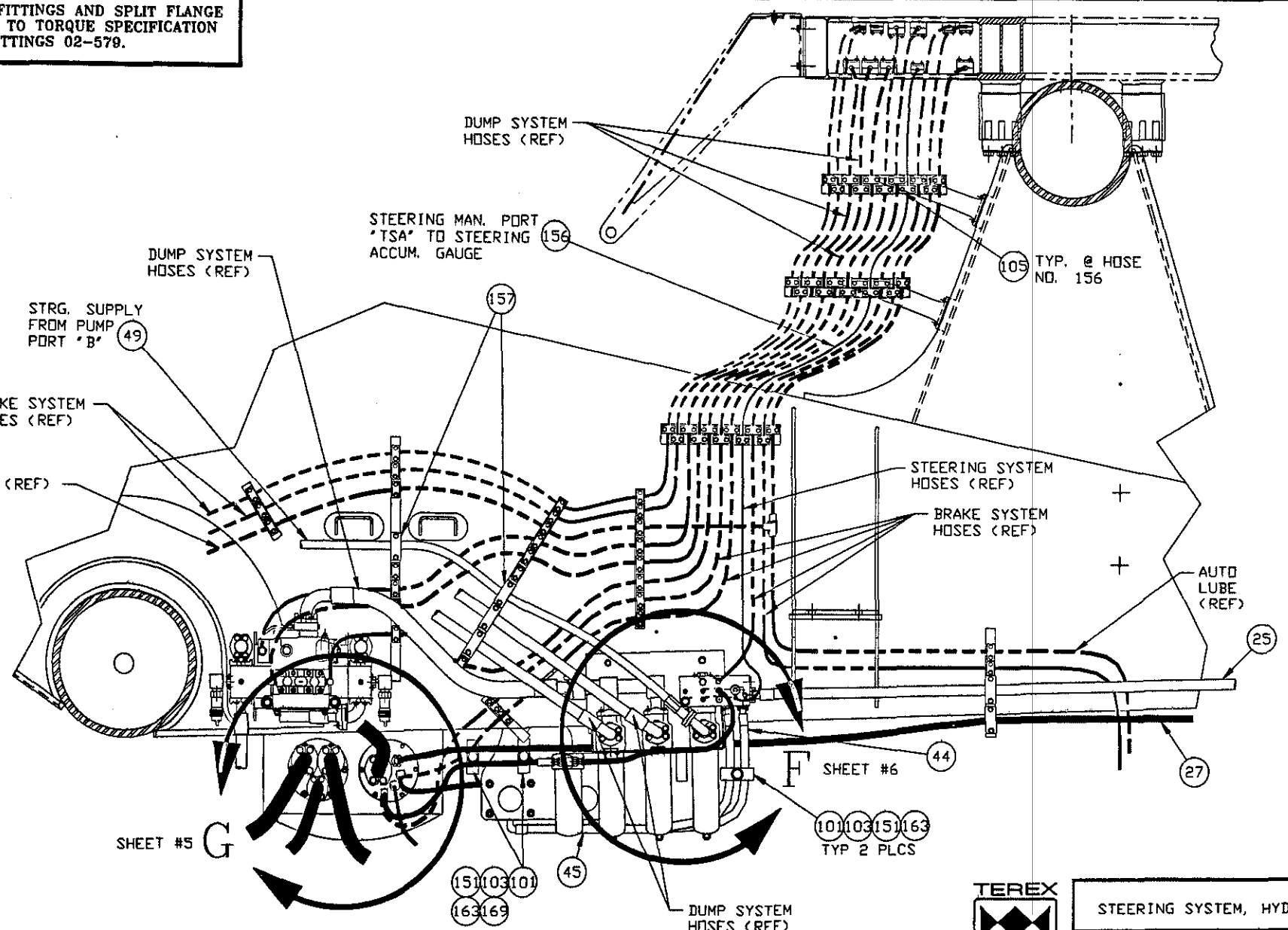
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VIEW B-B

TEREX MINING

STEERING SYSTEM, HYD

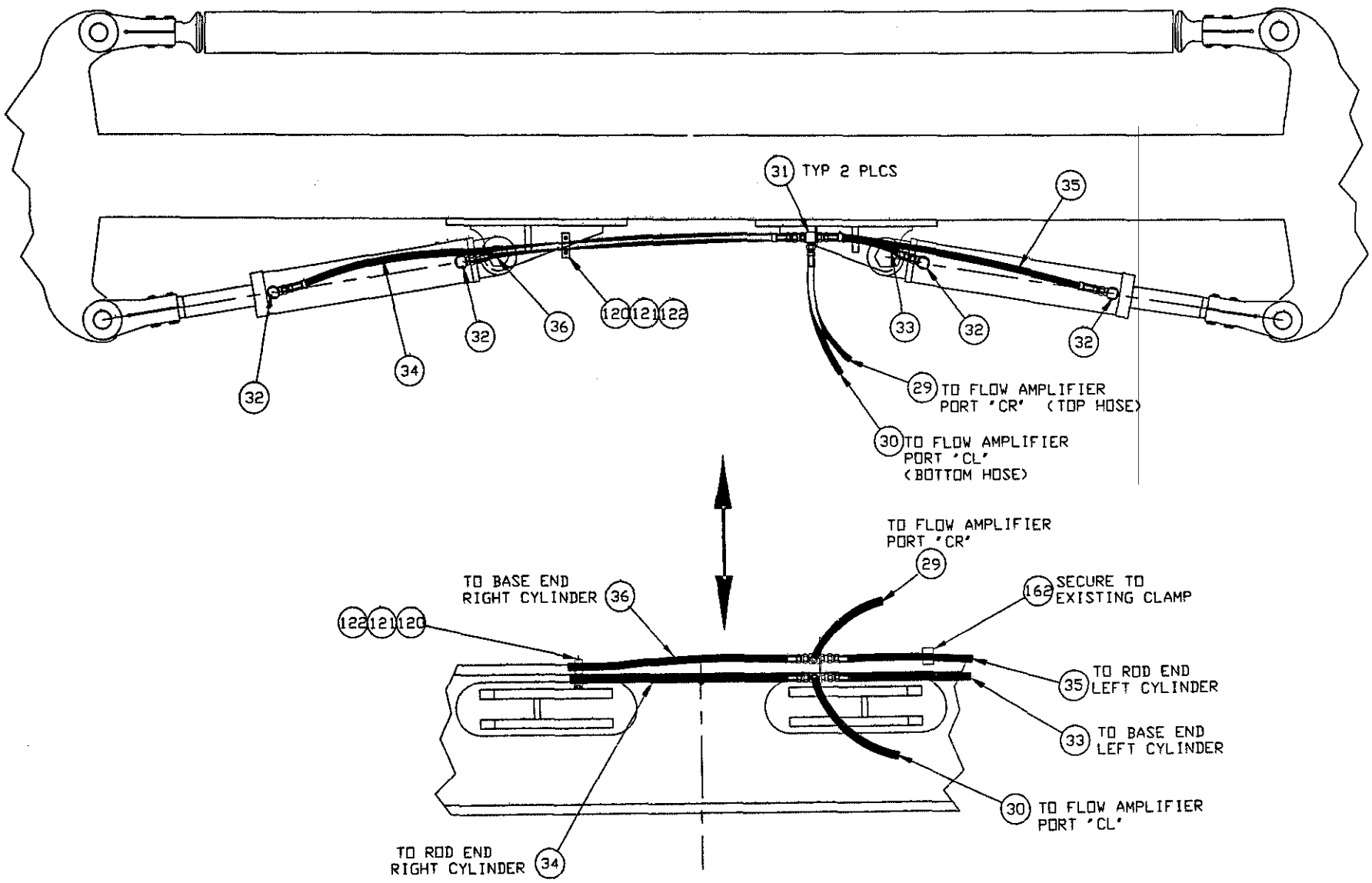
SHEET 2 OF 8

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FRONT AXLE PIPING

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX MINING

STEERING SYSTEM, HYD

SHEET 3 OF 8

A85895

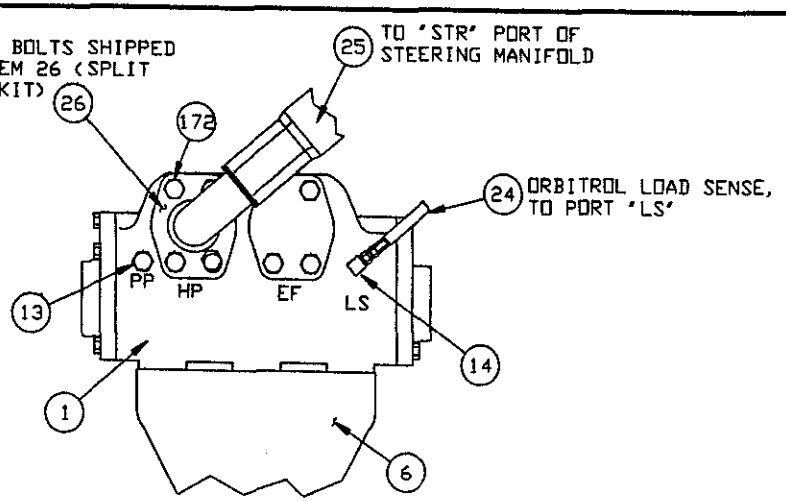
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92906
93949

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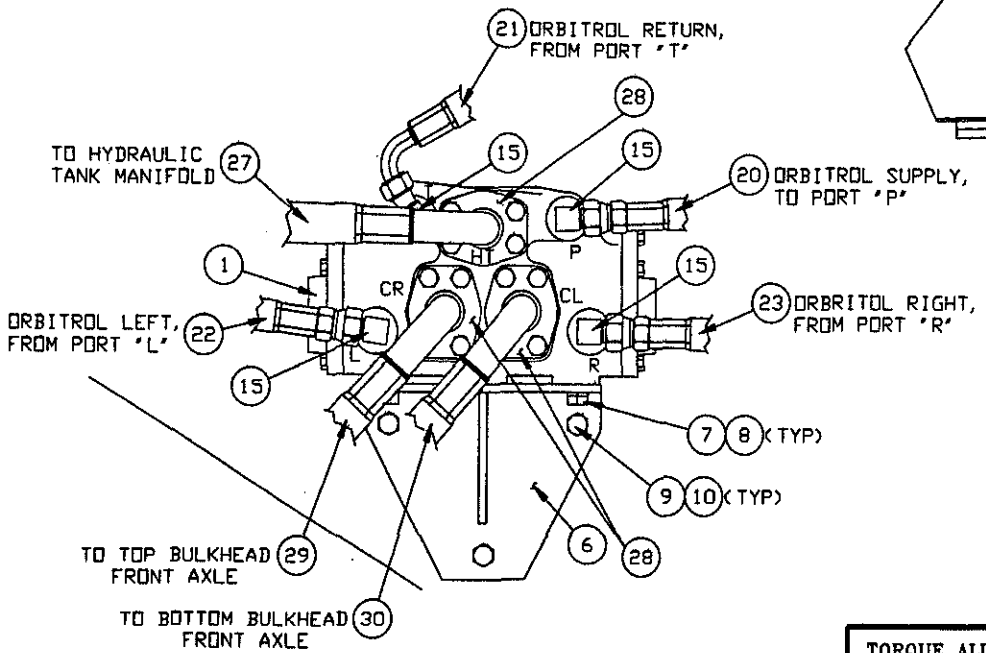
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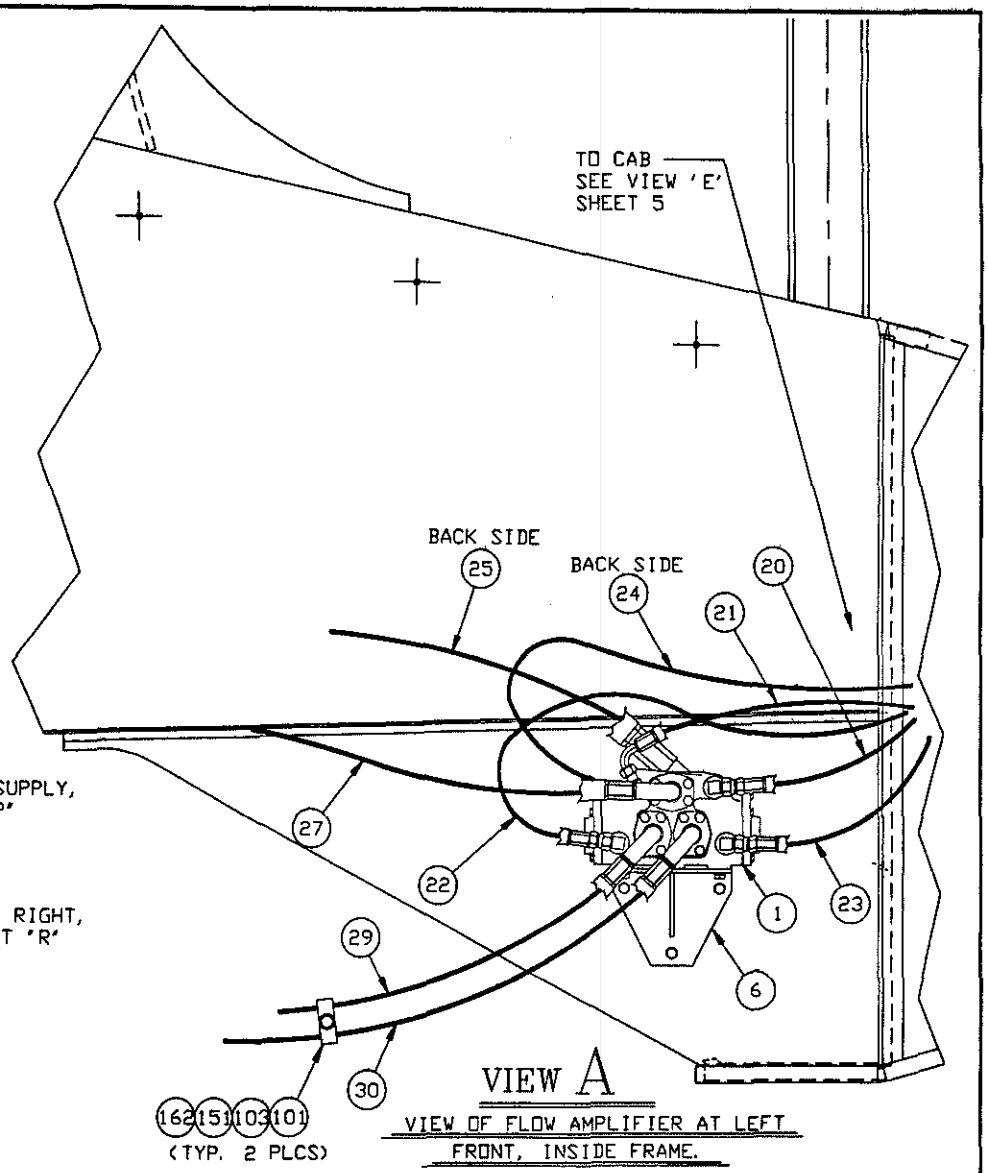
DISCARD BOLTS SHIPPED WITH ITEM 26 (SPLIT FLANGE KIT)



BACK SIDE OF FLOW AMPLIFIER



FRONT SIDE OF FLOW AMPLIFIER



VIEW A

VIEW OF FLOW AMPLIFIER AT LEFT FRONT, INSIDE FRAME.

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX MINING SIZE F

STEERING SYSTEM, HYD

SHEET 4 OF 8

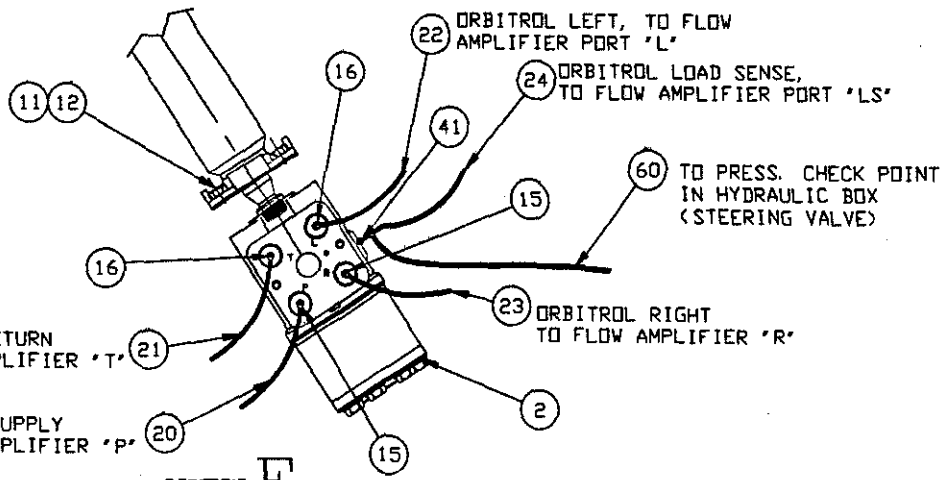
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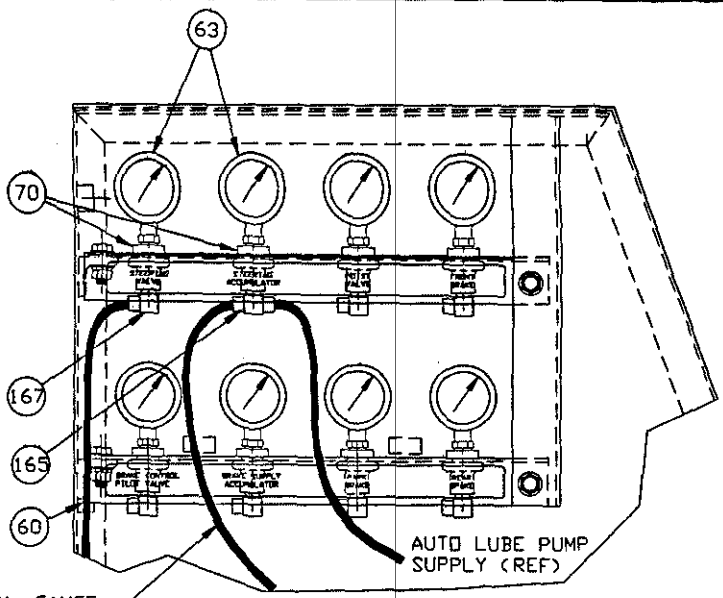
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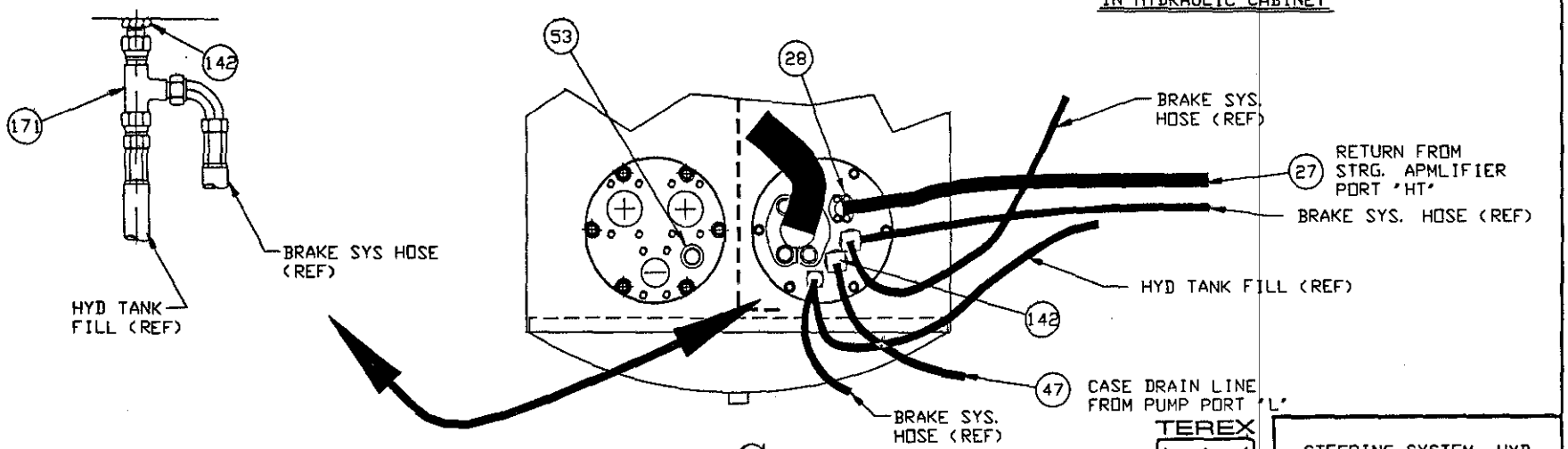
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VIEW E



VIEW OF PRESSURE GAUGES IN HYDRAULIC CABINET



VIEW G

VIEW OF HYDRAULIC TANK FROM INSIDE LEFT FRAME RAIL

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REL. DR.
93949
92906
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E.N. NO.

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX MINING

STEERING SYSTEM, HYD

SHEET 5 OF 8

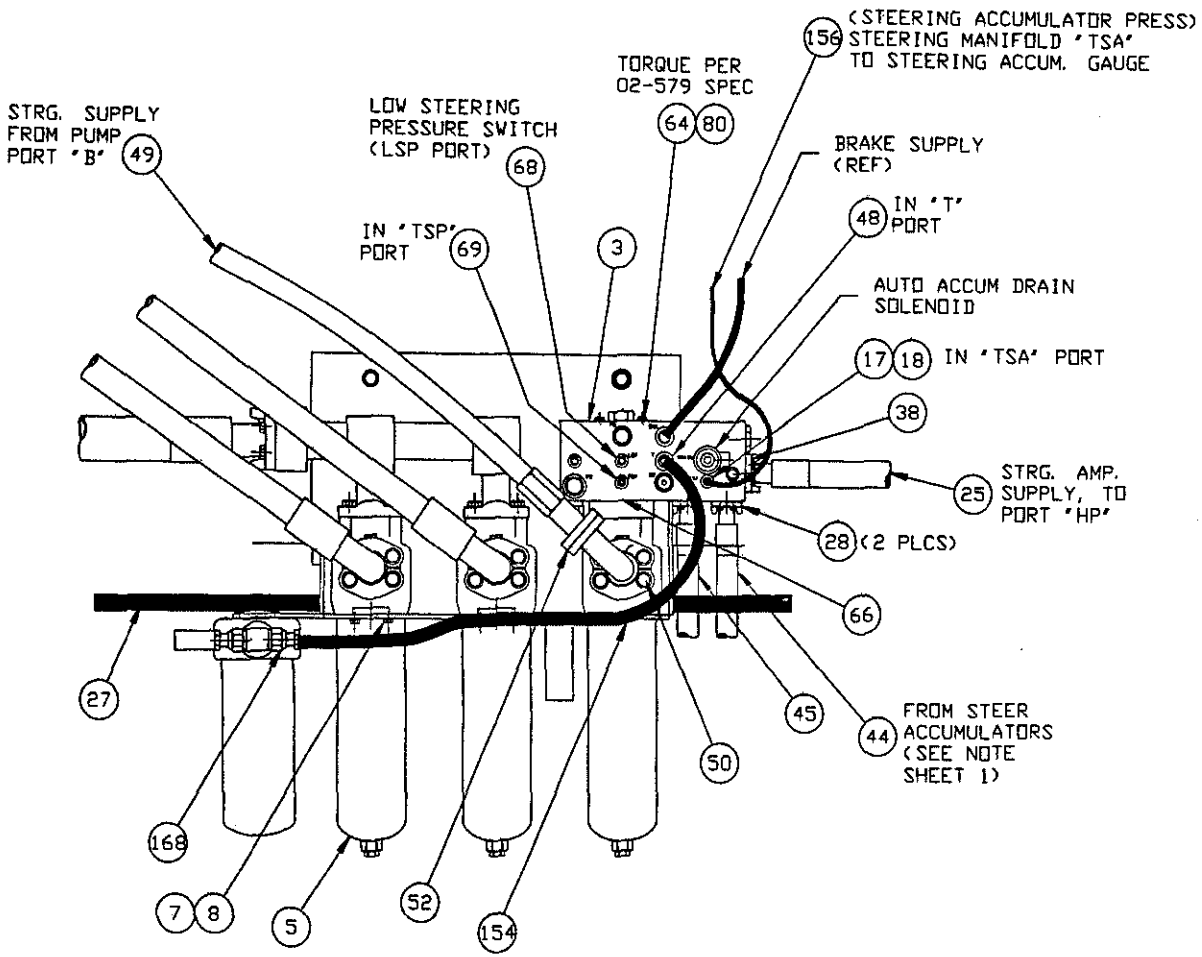
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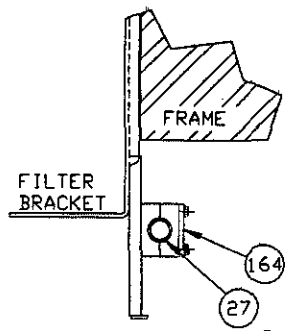
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VIEW F



VIEW OF CLAMPS AT RAIL ON BACK SIDE OF HYDRAULIC FILTER BRACKET

E.N. NO.	
92552	
92906	
93949	

TEREX MINING SIZE E

STEERING SYSTEM, HYD

SHEET 6 OF 8

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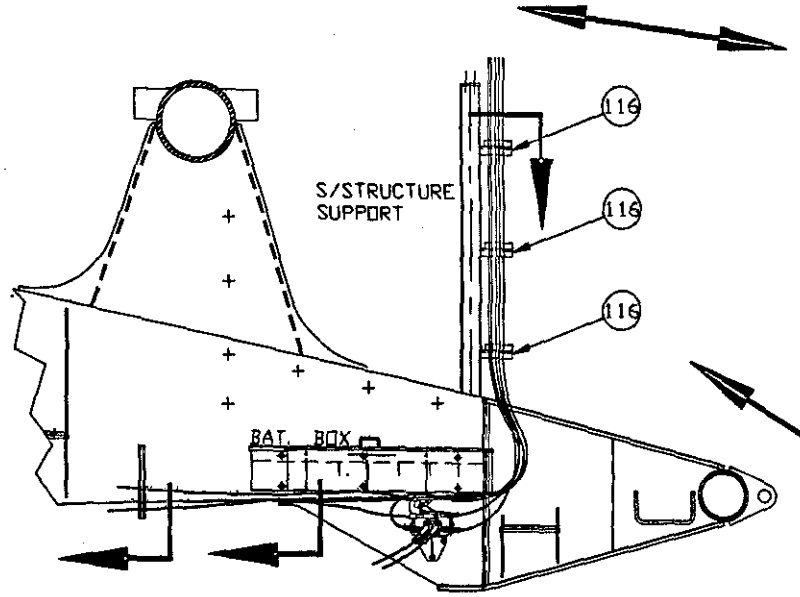
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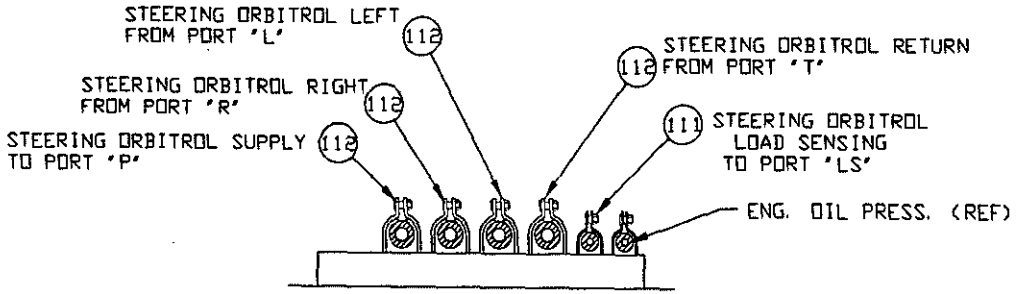
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REL. DR.

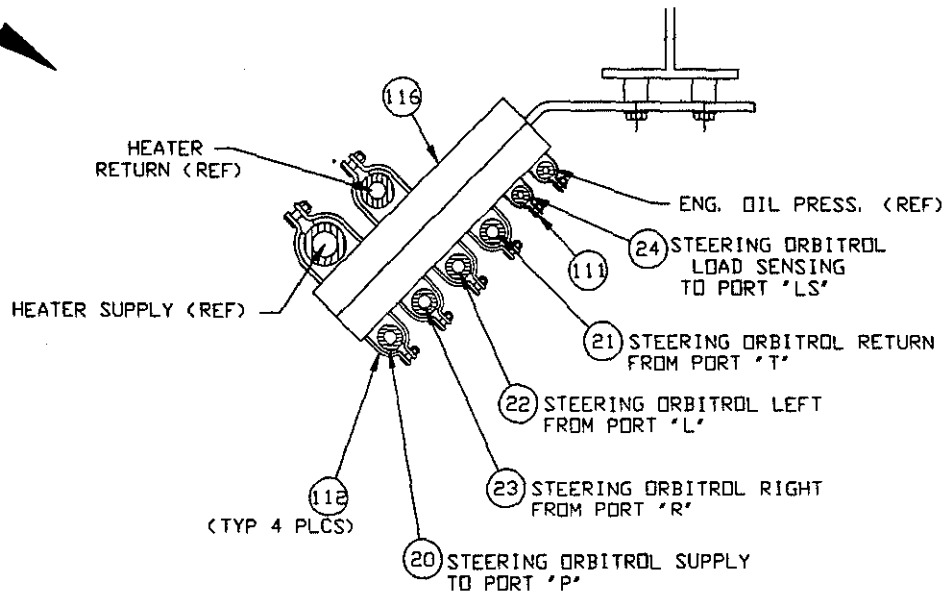
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E.N. NO.



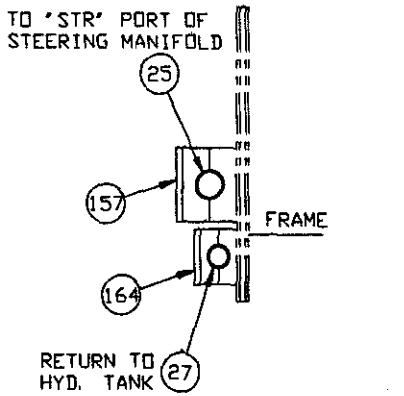
INSIDE LEFT FRAME RAIL



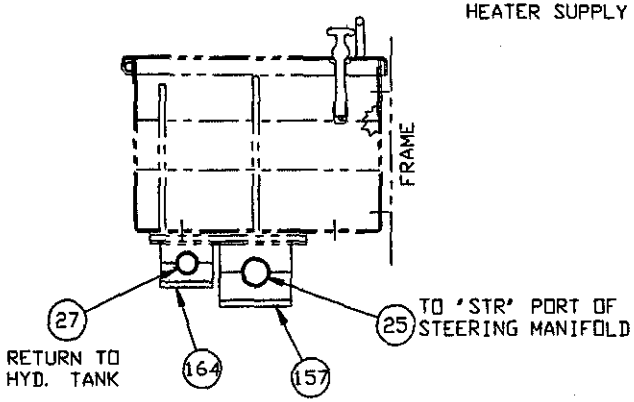
VIEW OF HOSES AT ENTRANCE TO SUPERSTRUCTURE



VIEW OF HOSES DOWN SUPERSTRUCTURE SUPPORT @ LEFT FRAME RAIL (TYPICAL 3 PLACES) SEE ABOVE



VIEW AT HOSE CLAMPS INSIDE LEFT FRAME RAIL SEE ABOVE



VIEW AT HOSE CLAMPS UNDER BATTERY BOX SEE ABOVE

TEREX MINING

STEERING SYSTEM, HYD

SHEET 7 OF 8

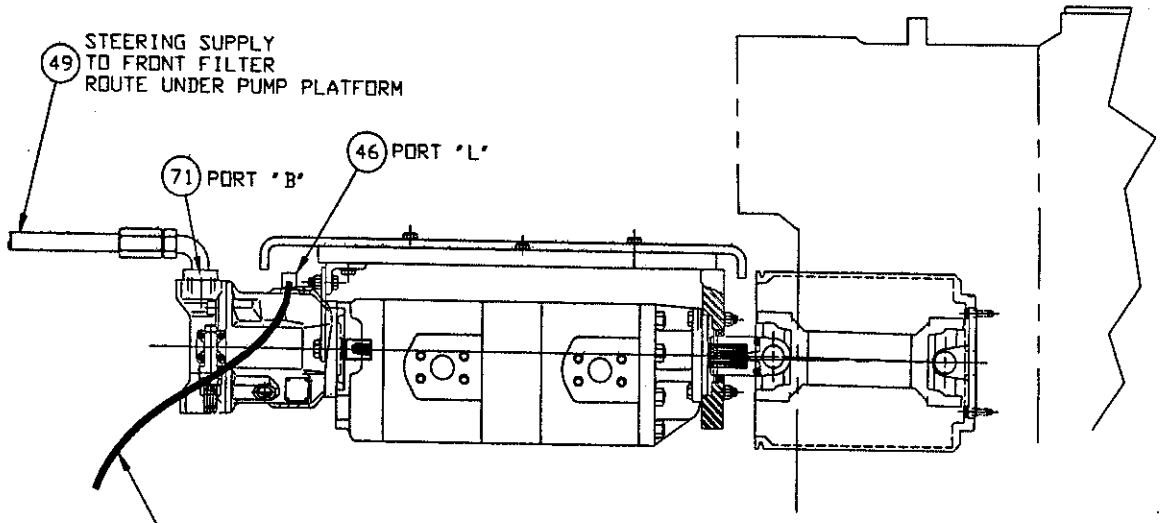
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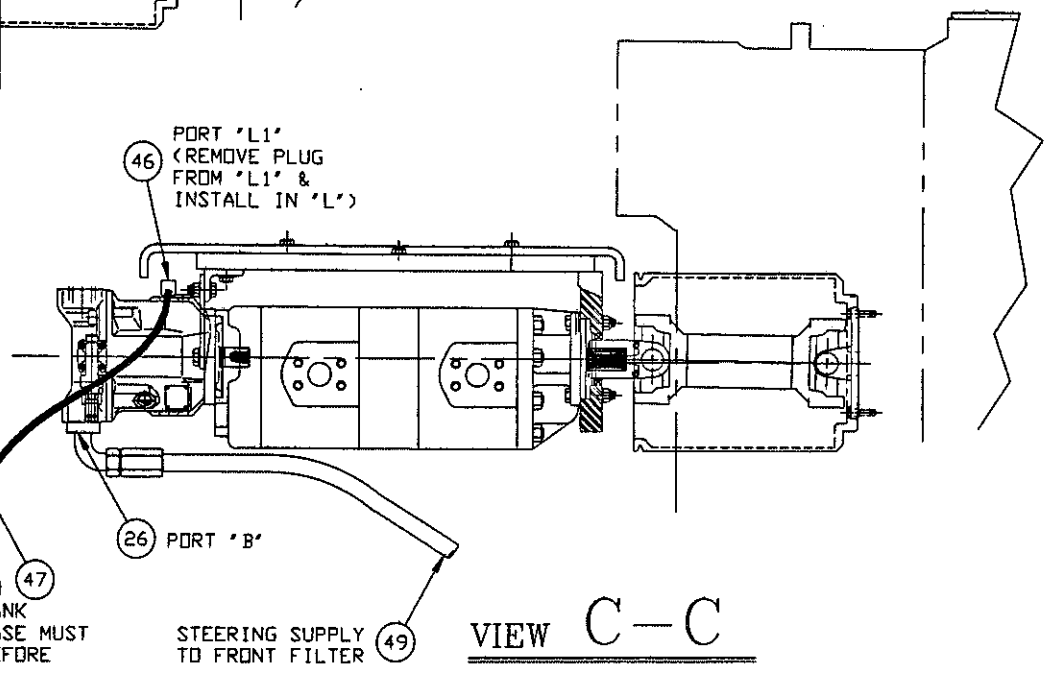
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TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.



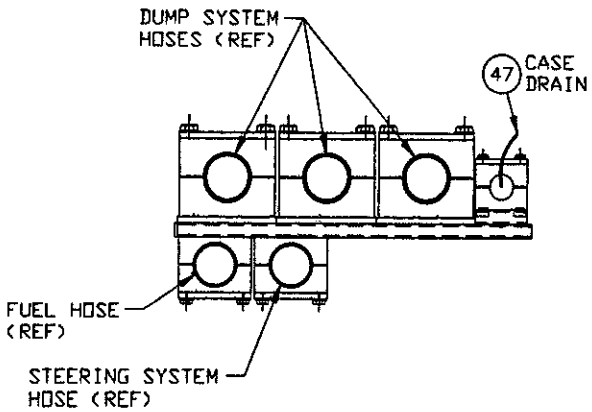
VIEW C-C

STEERING PISTON PUMP (LARGE PUMP)



VIEW C-C

STEERING PISTON PUMP (STD PUMP)



VIEW OF INLET RAIL BELOW PUMPS

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TEREX MINING SIZE B

STEERING SYSTEM, HYD

SHEET 8 OF 8

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	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		*55450*	VALVE-STR FLOW AMP
S	2	1		*55445*	VALVE, STEERING ORBITROL
S	3	1		*84635B*	MANIFOLD ASSY, STEERING
S	4	2		*55506*	ACCUMULATOR-15 GALLON
S	5	1		*55585*	FILTER-HYDR PRESSURE
	6	1		83158A	BRACKET-VALVE
	7	4		10541	CAPSCR, HX, 7/16-14NC X 1 GR 5
	7	4		10541	CAPSCR, HX, 7/16-14NC X 1 GR 5
	8	4		10181	WASHER, LK, HELI, 7/16 X .779 OD
	8	4		10181	WASHER, LK, HELI, 7/16 X .779 OD
	9	3		10027	CAPSCR, HX, 1/2-13NC X 1 GR 5
	10	3		10182	WASHER, LK, HELI, 1/2 X .873 OD
	11	4		12730	CAPSCR, HXSKT, 3/8-16NC X 2 GR 8
	12	4		10180	WASHER, LK, HELI, 3/8 X .683 OD
	13	1		27661	PLUG, #4 O-RING BOSS
	14	1		53363-0404	ADAPTER-90 DEG #4 ORS, MALE X #4 O-RING, MALE
	15	4		53363-0808	ADAPTER-90 DEG #8 ORS, MALE X #8 O-RING, MALE
	15	2		53363-0808	ADAPTER-90 DEG #8 ORS, MALE X #8 O-RING, MALE
	16	2		53364-0808	ADAPTER, 90 DEG, LONG #8 ORS, MALE X #8 O-RING, MALE
	17	1		53375-0404	ADAPTER, 90 DEG #4 ORS, FEMALE SWVL X #4 ORS, MALE
	18	1		53360-0404	ADAPTER, STRAIGHT #4 ORS, MALE X #4 O-RING, MALE
	20	1		84315C-191	HOSE ASSY FC310-08 191" LG W/FJ9891 FTGS
	21	1		84303C-197	HOSE ASSY FC211-08 197" LG W/FJ9891 & FJ9893 FTGS
	22	1		84315C-203	HOSE ASSY FC310-08 203" LG W/FJ9891 FTGS
	23	1		84315C-197	HOSE ASSY FC310-08 197" LG W/FJ9891 FTGS
	24	1		84301A-202	HOSE ASSY FC211-04 202" LG W/FJ9891 FTGS

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REL. CK. ELLIS

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*SEE SERVICE PARTS

TEREX MINING

HYDRAULIC STEERING ASSY.

SHEET 1 OF 4

A85895A

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ITM	QTY	UM	COMPONENT	DESCRIPTION
25	1		85190H-116	HOSE ASSY FC254-20 116" LG W/FJ9761 JUMP DOWN FTG & FJ9773 FTG
26	1		1004452	KIT-SPLIT FLANGE SIZE 20 CODE 61
26	1		1004452	KIT-SPLIT FLANGE SIZE 20 CODE 61
27 R			NA85180A	ASSEMBLY NOTE SEE HYDRAULIC OIL COOLER ASSY FOR THE P/N OF THIS HOSE ASSY.
28	2		1004451	KIT-SPLIT FLANGE SIZE 16 CODE 61
28	1		1004451	KIT-SPLIT FLANGE SIZE 16 CODE 61
28	2		1004451	KIT-SPLIT FLANGE SIZE 16 CODE 61
28	3		1004451	KIT-SPLIT FLANGE SIZE 16 CODE 61
29	1		84341F-055	HOSE ASSY FC250A-12 55"LG W/FJ9896 & FJ9773 JUMP FTGS
30	1		84341F-057	HOSE ASSY FC250A-12 57"LG W/FJ9896 & FJ9773JUMP FTGS
31	2		53386-1212	ADAPTER, BULKHEAD, TEE, RUN #12 ORS, BLKHD RUN X #12 ORS, MALE
32	4		53363-1212	ADAPTER, 90 DEG #12 ORS, MALE X #12 O-RING, MALE
33	1		84330F-016	HOSE ASSY FC250A-12 16"LG W/FJ9896 FTGS
34	1		84330F-079	HOSE ASSY FC250A-12 79"LG W/FJ9896 FTGS
35	1		84330F-048	HOSE ASSY FC250A-12 48"LG W/FJ9896 FTGS
36	1		84330F-048	HOSE ASSY FC250A-12 48"LG W/FJ9896 FTGS
38	1		1004451	KIT-SPLIT FLANGE SIZE 16 CODE 61
39	16		16403	NUT-HEX, FLXLC 5/8-11
40	2		55508	MOUNTING-BRKT, ACCUM 9" OD, UPPER AND LOWER BRACKET
41	1		53366-0404	ADAPTER, TEE, RUN #4 ORS, MALE X #4 O-RING, MALE RUN
42	16		26205	WASHER, FL, 5/8 X 1.312 OD
43	16		10046	CAPSCR, HX, 5/8-11NC X 1-3/4 GR 5

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HYDRAULIC STEERING ASSY.

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ITM	QTY	UM	COMPONENT	DESCRIPTION
44	1		84340G-052	HOSE ASSY FC250A-16 52"LG W/FJ9761 & FJ9773 FTGS
45	1		84340G-062	HOSE ASSY FC250A-16 62"LG W/FJ9761 & FJ9773 FTGS
46	1		53363-1210	ADAPTER, 90 DEG #12 ORS, MALE X #10 O-RING, MALE
47	1		84301F-087	HOSE ASSY FC211-12 87" LG W/FJ9891 FTGS
48	1		53360-0808	ADAPTER-STRAIGHT #8 ORS, MALE X #8 O-RING, MALE
49	1		84376H-100	HOSE ASSY FC254-20 100"LG W/FJ9761JUMP & FJ9767 FTGS
50	2		1004453	KIT-SPLIT FLANGE SIZE 24 CODE 61
52	1		1007418	ADAPTER, 90 DEG #24 SPLIT FLANGE X #24 SPLIT FLANGE
53	1		22685	PLUG, #12 O-RING BOSS
60	1		84303A-140	HOSE ASSY FC211-04 140" LG W/FJ9891 & FJ9893 FTGS
63	2		56857	GAUGE, PRESSURE, 0-5000 PSI
64	4		52062	CAPSCR, HX, 1/2-13NC X 6 GR 8
66	1		947517	SEAL-O-RING 1-7/8 ID X 2-1/8 OD SIZE 225
68	1		84657F	SWITCH, PRESS 2100 PSI DECR
69	1		55652	COUPLING-TEST USE 55724 & 55725-0404 TO ATTACH TO 55652 TEST COUPLING
70	2		56781	ADAPTER, BULKHEAD, STRAIGHT #4 O-RING BOSS FEMALE X #4 O-RING BOSS FEMALE
80	4		913745	WASHER, FL, HARDND, 1/2 X 1.000 OD
101	6		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
102	5		10013	CAPSCR, HX, 3/8-16NC X 1-1/4 GR 5
103	12		10164	WASHER, FL, 3/8 X 1 OD, ZP
S 105	3		*84211B*	CLAMP-SUPPORT ASSY .54 ID
S 105	1		*84211B*	CLAMP-SUPPORT ASSY .54 ID
111	3		69546A	CLAMP-TUBE 1/2

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HYDRAULIC STEERING ASSY.

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	ITM	QTY	UM	COMPONENT	DESCRIPTION
	111	2		69546A	CLAMP-TUBE 1/2
	112	12		69546C	CLAMP-TUBE 3/4
	112	4		69546C	CLAMP-TUBE 3/4
	116	3		80296A	BRACKET, HOSE, FRONT
	120	2		1000449	CLAMP HALVES, 1-1/4"
	121	1		1000142	PLATE, CAP, CLAMP
	122	2		52084	CAPSCR, HX, 3/8-16NC X 5 GR 5
	142	2		53360-1212	ADAPTER, STRAIGHT #12 ORS, MALE X #12 O-RING, MALE
	151	8		17413	NUT-HEX, FLXLC 3/8-16
	154	1		84303C-036	HOSE ASSY FC211-08 36" LG W/FJ9891 & FJ9893 FTGS
	156	1		84317A-220	HOSE ASSY FC310-04 220" LG W/ FJ9891 & FJ9893 FTGS
S	157	4		*84211M*	CLAMP-SUPPORT ASSY 1.90 ID
	162	4		18939	TUBE CLAMP, 1" ID CLOSED
	163	6		18367	CLAMP-CUSHION 1-1/4
S	164	3		*84211J*	CLAMP-SUPPORT ASSY 1.315 ID
	165	1		53365-0404	ADAPTER, TEE, BRANCH #4 ORS MALE BRANCH X #4 ORB MALE
	166	2		84446A	CLIP ANGLE
	167	1		53363-0404	ADAPTER-90 DEG #4 ORS, MALE X #4 O-RING, MALE
	168	1		53390-1208	ADAPTER, STRAIGHT #12 ORS, FEMALE X #8 ORS, MALE
	169	2		19083	CLAMP-CUSHION 3/4
	171	1		53379-1212	ADAPTER, TEE, RUN #12 ORS FEMALE RUN X #12 ORS, MALE
	172	4		52175	CAPSCR, HX, 7/16-14NC X 1-1/4 GR 8
	199			A85895	DWG ONLY, HYD. STEERING ASSY.

MT4400AC W/STD PISTON PUMP, STEERING FLOW AMP, TWO 15 GAL. ACCUM'S, 6" CYL. AND ORS & FLANGE FITTINGS.

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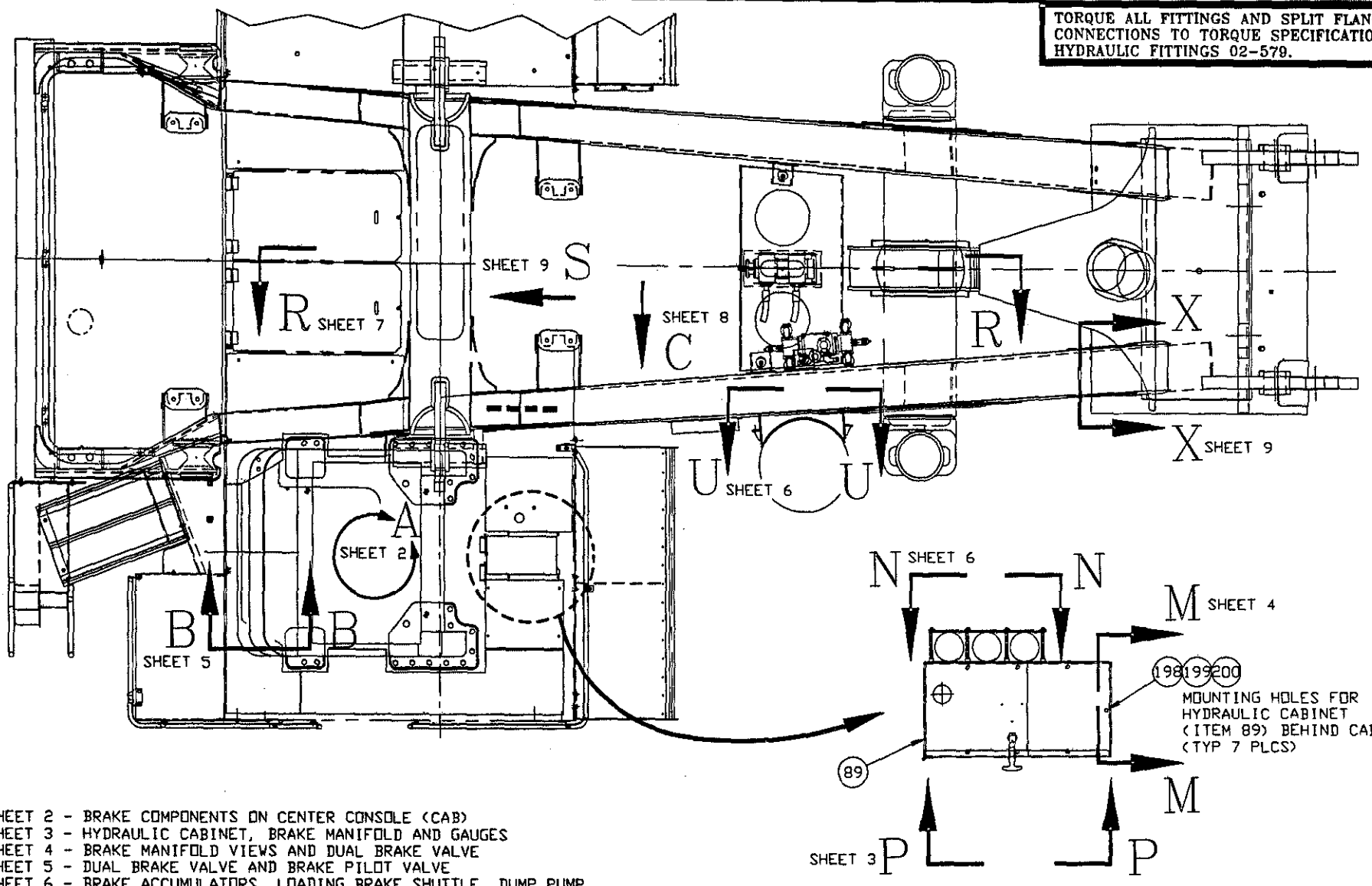
Robinson ENG. APP.

NIELSEN REL. EX.

ELLIS

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TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.



SHEET 2 - BRAKE COMPONENTS ON CENTER CONSOLE (CAB)
SHEET 3 - HYDRAULIC CABINET, BRAKE MANIFOLD AND GAUGES
SHEET 4 - BRAKE MANIFOLD VIEWS AND DUAL BRAKE VALVE
SHEET 5 - DUAL BRAKE VALVE AND BRAKE PILOT VALVE
SHEET 6 - BRAKE ACCUMULATORS, LOADING BRAKE SHUTTLE, DUMP PUMP CONNECTION AND HYDRAULIC TANK CONNECTION
SHEET 7 - HOSE ROUTING ALONG INSIDE LEFT FRAME RAIL
SHEET 8 - STEERING MANIFOLD
SHEET 9 - HOSE ROUTING FOR FRONT BRAKES - FRONT AXLE
SHEET 10- HOSE ROUTING FOR REAR BRAKES - AXLE BOX
SHEET 11- HOSE ROUTING FOR REAR BRAKES - AXLE BOX

TEREX UNIT RIG

HYDRAULIC BRAKE ASSEMBLY

SHEET 1 OF 11

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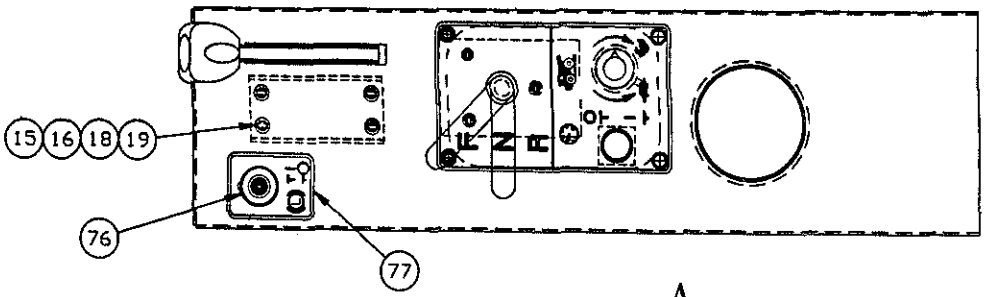
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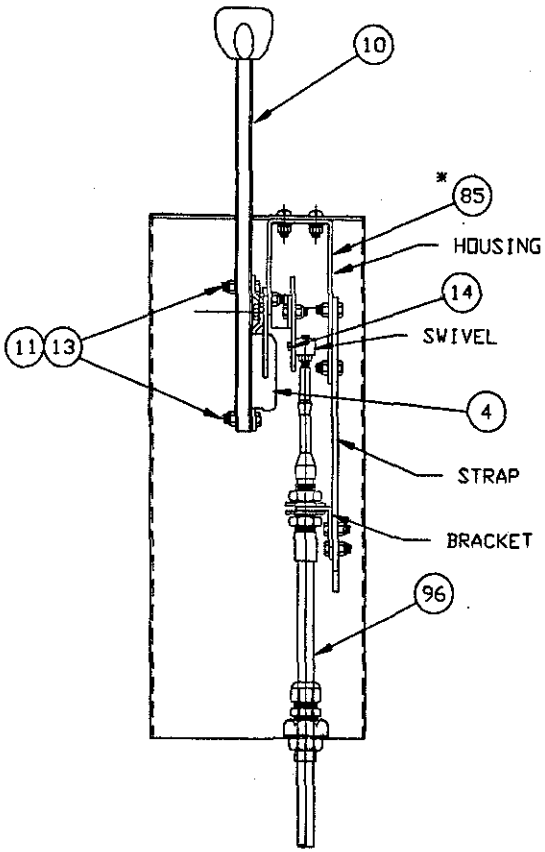
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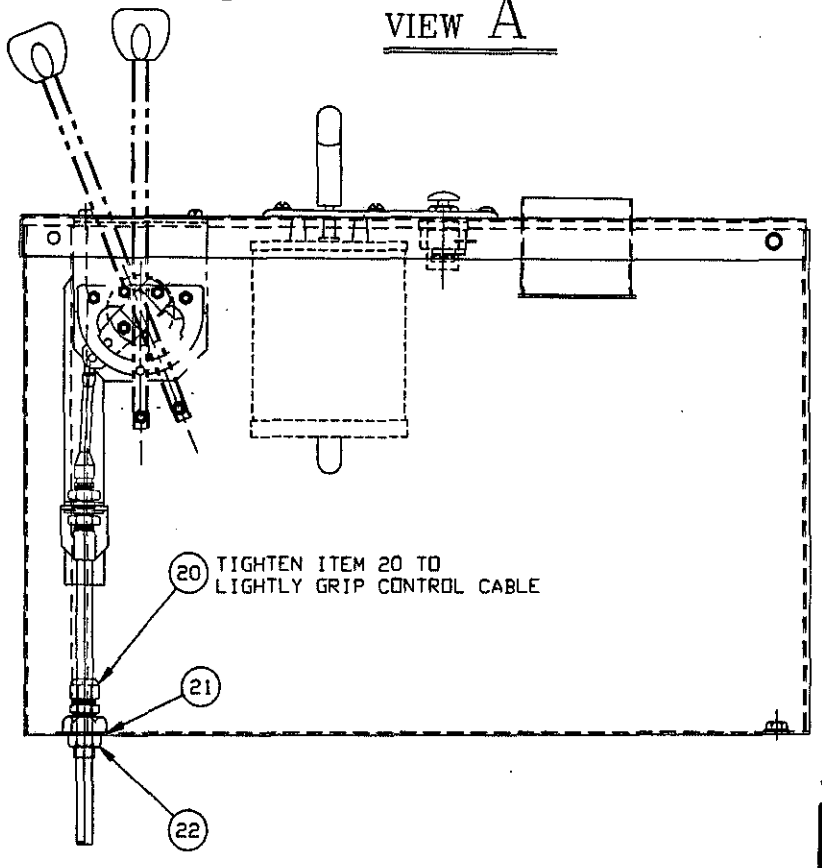
BRAKE COMPONENTS ON CENTER CONSOLE INSIDE CAB.

WIRE ITEM 76 AND 77 PER 24V ELECTRICAL SCHEMATIC.



VIEW A





* ITEM 085 CONTAINS HOUSING, SWIVEL, STRAP AND BRACKET.

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			94426
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			93549
			92658

TEREX UNIT RIG

HYDRAULIC BRAKE ASSEMBLY

SHEET 2 OF 11

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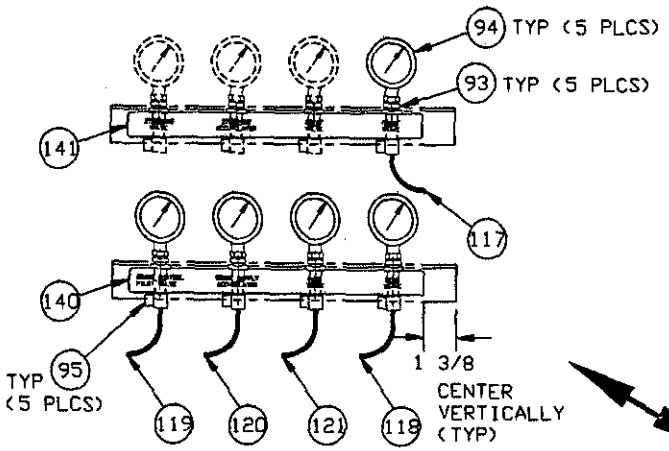
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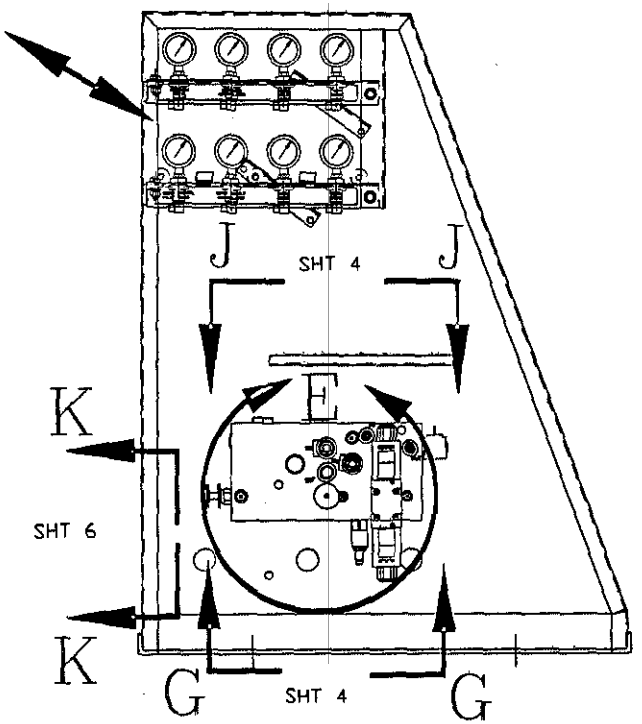
WIRE SOLENOID VALVES PER 24V ELECTRICAL SCHEMATIC



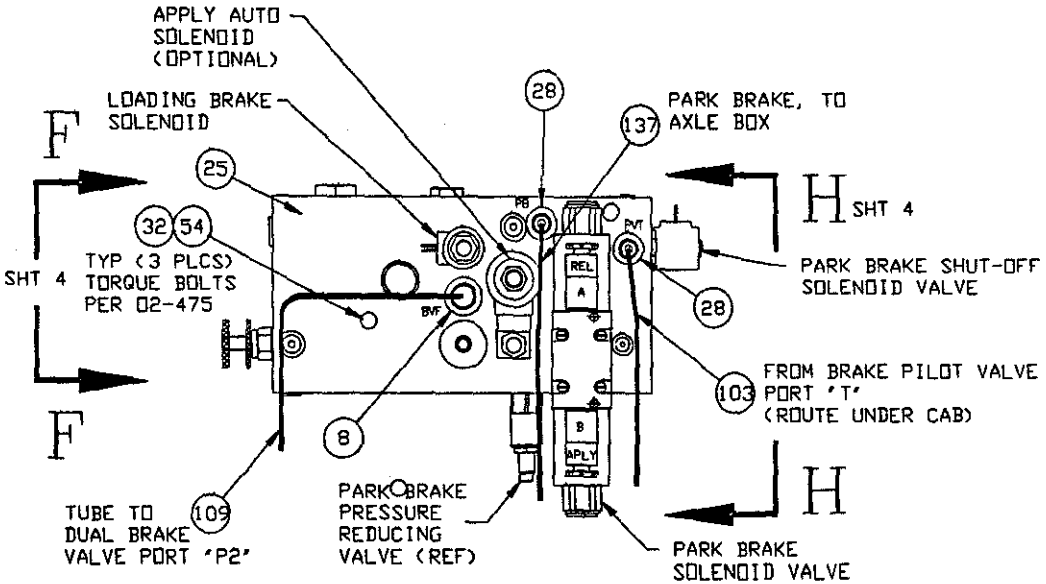
CABINETS WITH GLUE ON NAMEPLATES

PRESSURE GAUGES ROUTING TO:

HOSE 117 - TO TEE ON DUAL BRAKE VALVE PORT 'B2'
HOSE 118 - TO TEE ON DUAL BRAKE VALVE PORT 'B1'
HOSE 119 - TUBE TO LOADING BRAKE SHUTTLE TEE, PORT '3'
TUBE 120 - TUBE TO BRAKE MANIFOLD PORT 'TSS'
TUBE 121 - TUBE TO BRAKE MANIFOLD PORT 'TSP'



VIEW P-P
HYDRAULIC CABINET



VIEW E
BRAKE MANIFOLD

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX UNIT RIG

HYDRAULIC BRAKE ASSEMBLY

SHEET 3 OF 11

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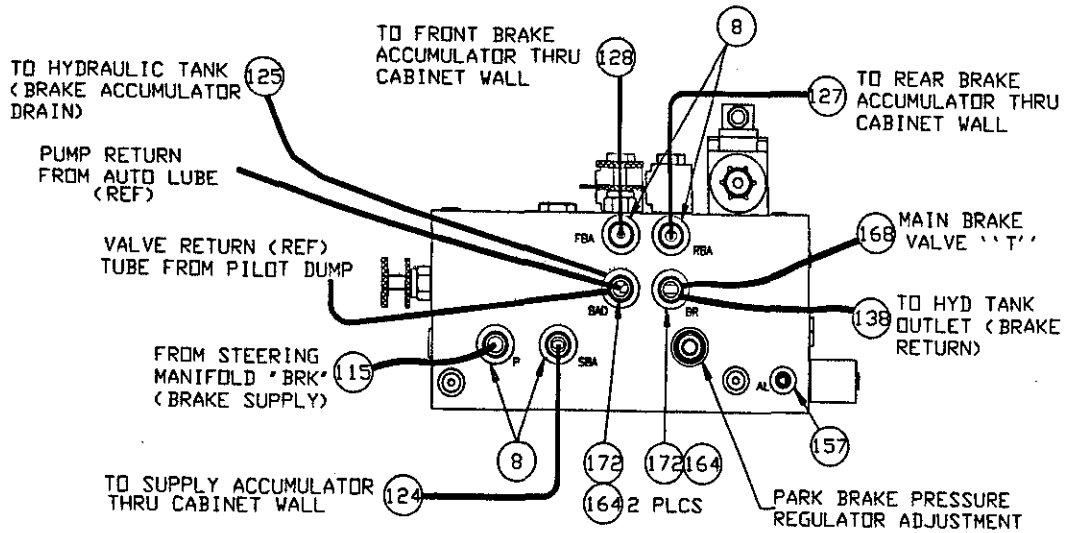
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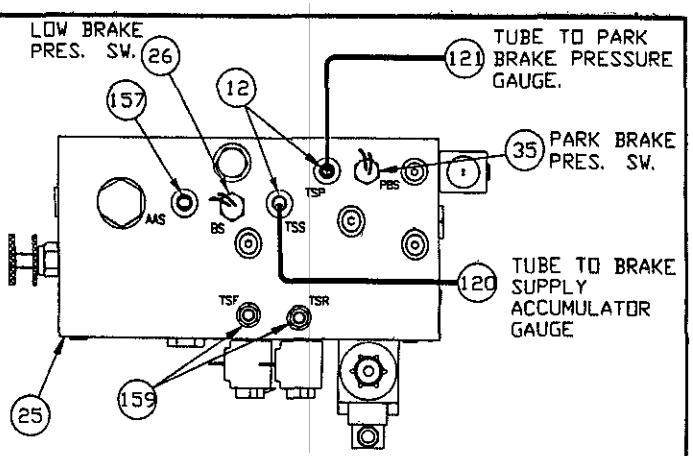
DR.
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REL. DT.

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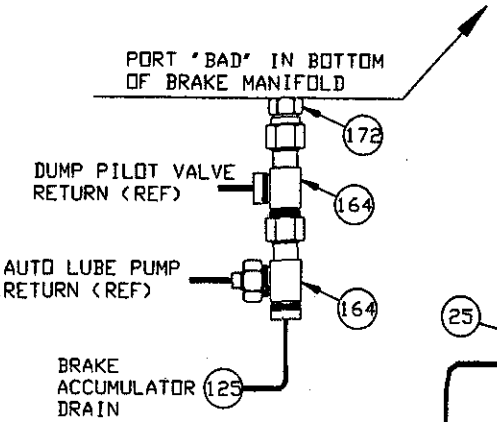
VIEW G—G

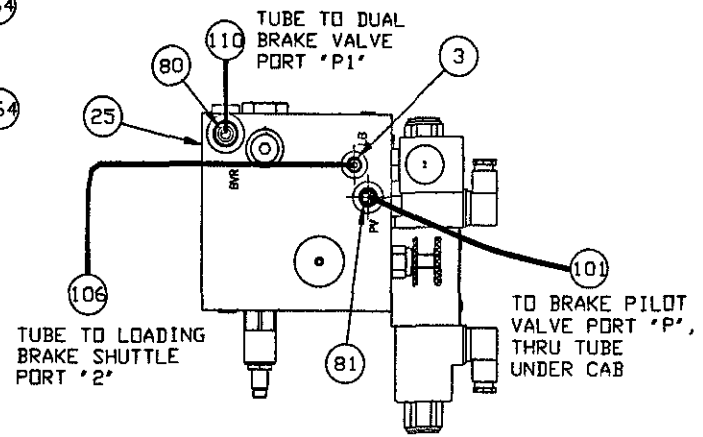
BRAKE MANIFOLD BOT.



VIEW J—J

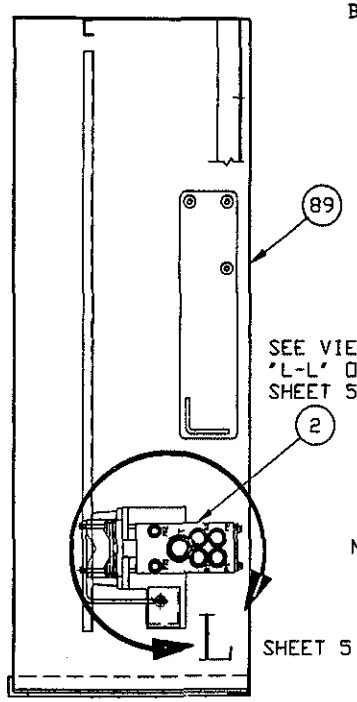
BRAKE MANIFOLD



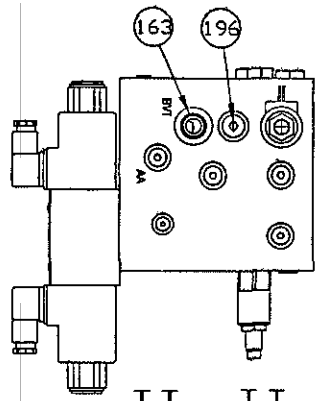


VIEW F—F

BRAKE MANIFOLD



VIEW M—M



VIEW H—H

BRAKE MANIFOLD (RIGHT END)

NOTE: IF SOLENOIDS ARE REPOSITIONED OR REMOVED, RETORQUE TO 4-6 FT-LBS. IF CARTRIDGES ARE REMOVED, RETORQUE TO 85605A SPECIFICATIONS.

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX UNIT RIG SIZE F

HYDRAULIC BRAKE ASSEMBLY

SHEET 4 OF 11

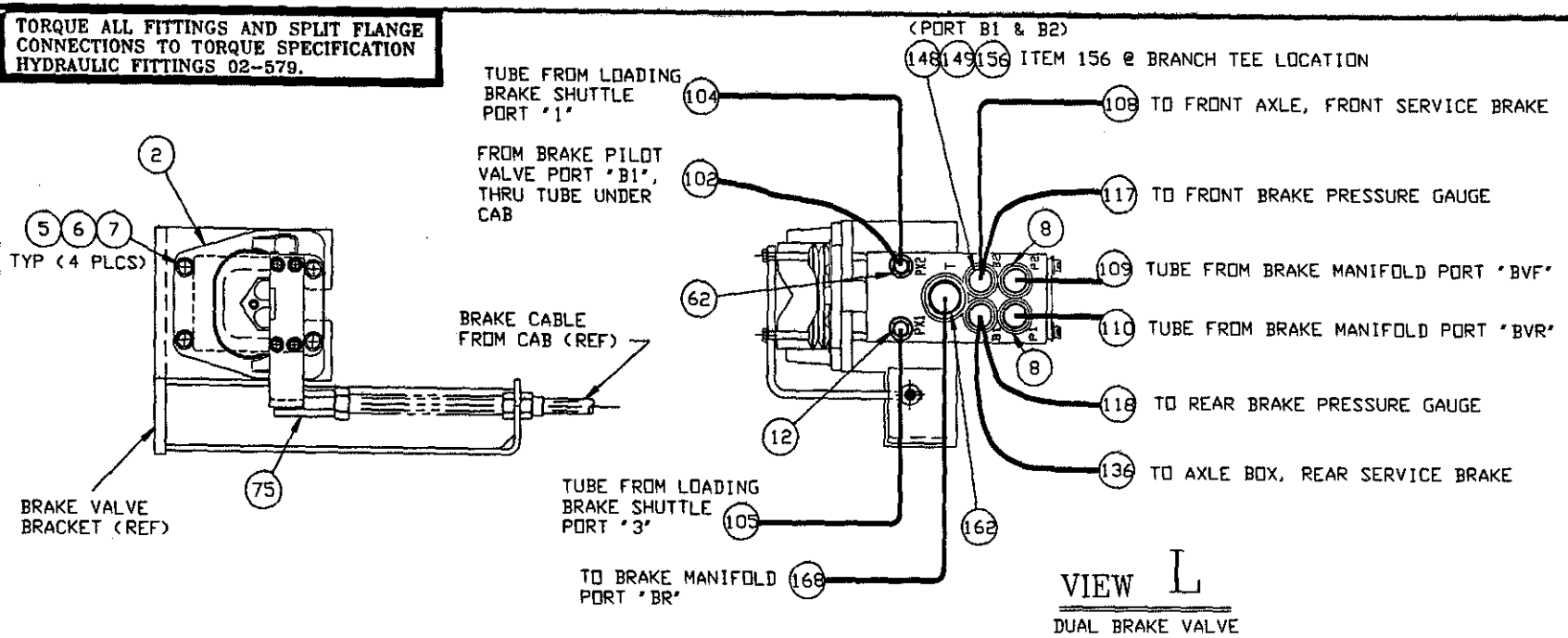
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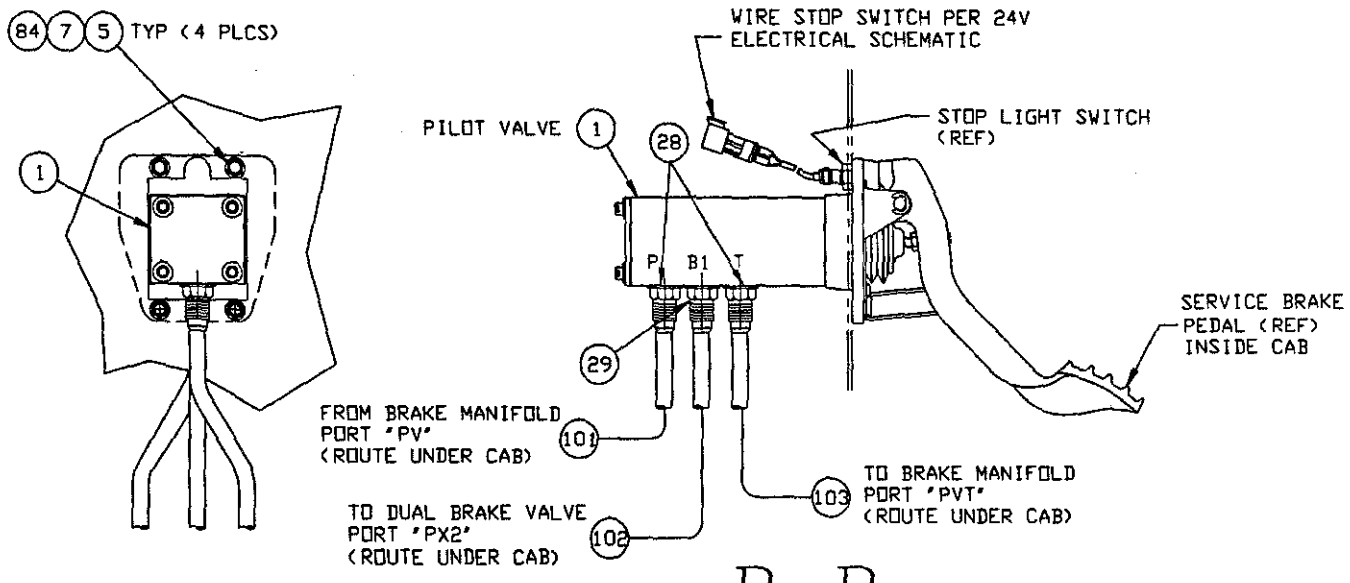
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TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.



VIEW L
DUAL BRAKE VALVE



SEC B-B

BY	
ENG. APP.	
REL. DR.	
94473	
94426	
93976	
93713	
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E.N. NO.	

TEREX UNIT RIG

HYDRAULIC BRAKE ASSEMBLY

SHEET 5 OF 11

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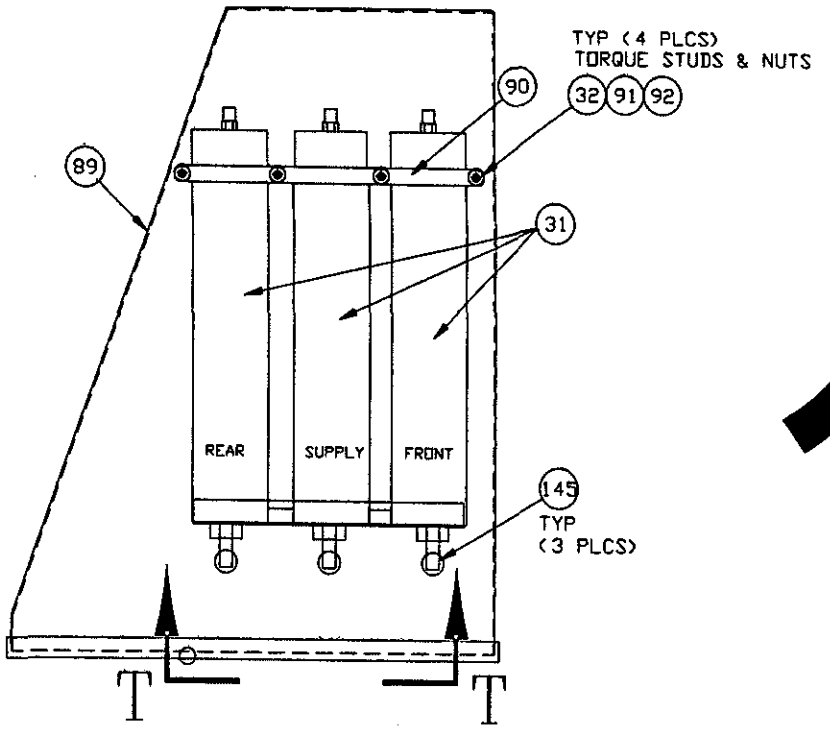
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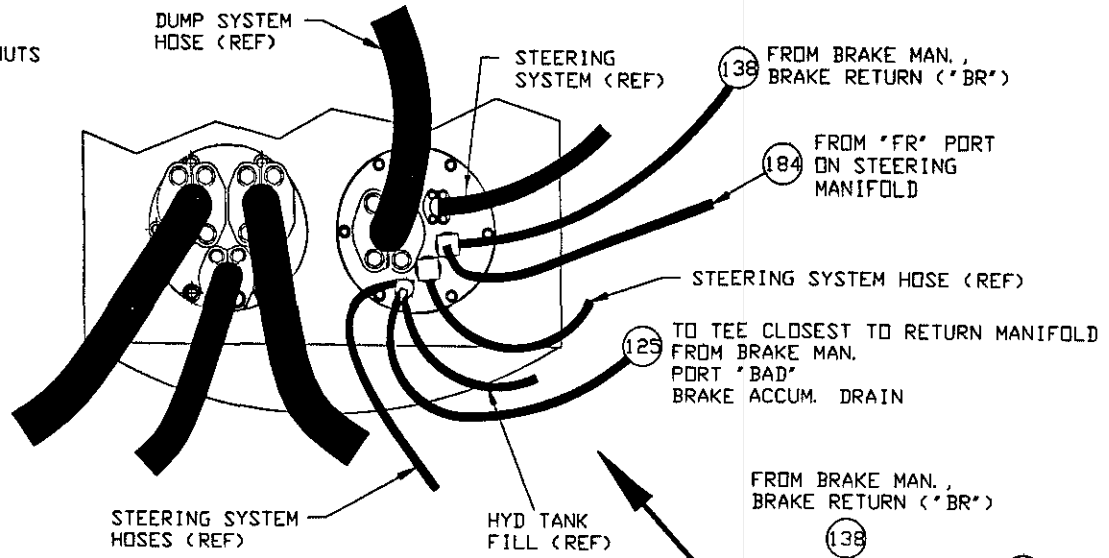
ENG. APP.

REL. DT.

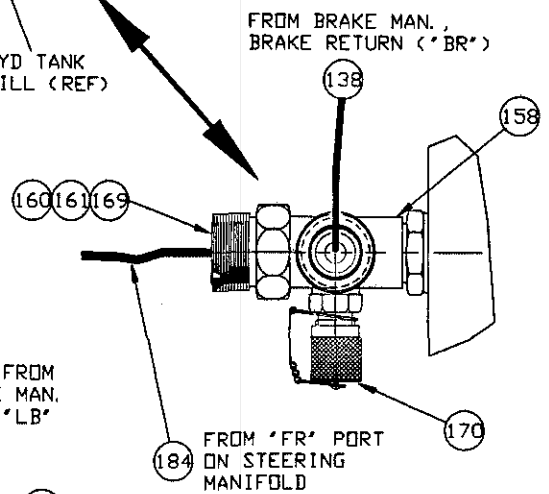
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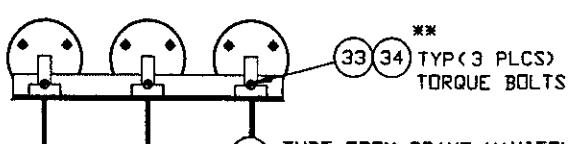


VIEW N–N
(HYDRAULIC BOX - REAR)



VIEW U–U
HYDRAULIC TANK





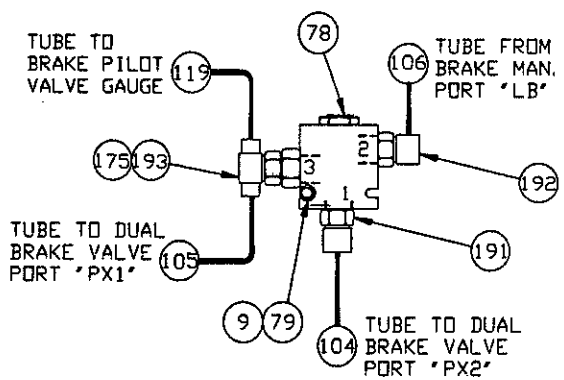
128 TUBE FROM BRAKE MANIFOLD PORT 'FBA', THRU CABINET WALL

124 TUBE FROM BRAKE MANIFOLD PORT 'SBA', THRU CABINET WALL

127 TUBE FROM BRAKE MANIFOLD PORT 'RBA', THRU CABINET WALL

VIEW T–T

** NOTE: USE ITEMS 33 & 34 TO INSTALL ACCUMULATORS TO BOTTOM BRACKET.



VIEW K–K
LOADING BRAKE
SHUTTLE VALVE

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX UNIT RIG SIZE 2

HYDRAULIC BRAKE ASSEMBLY

SHEET 6 OF 11

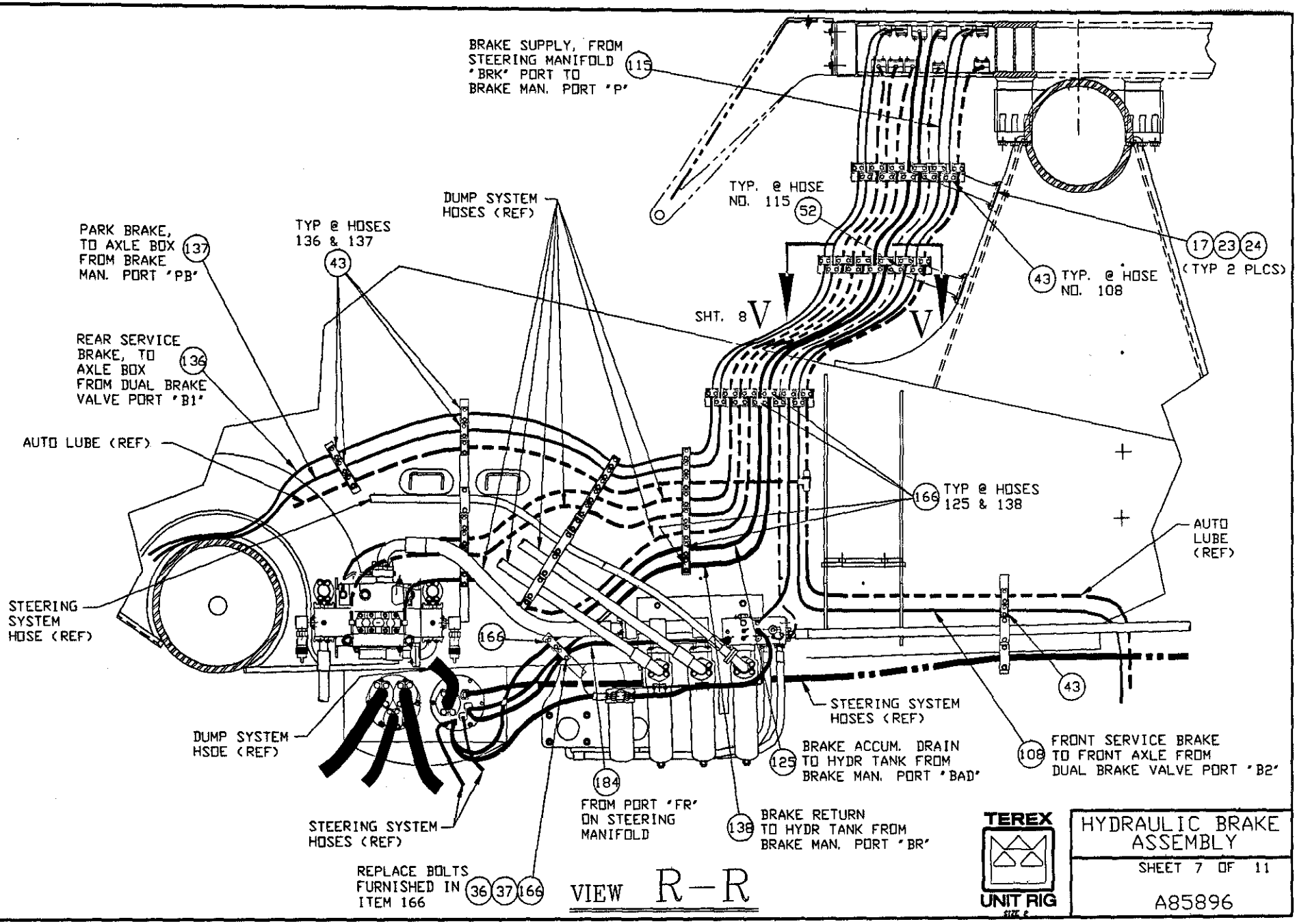
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TEREX UNIT RIG

HYDRAULIC BRAKE ASSEMBLY

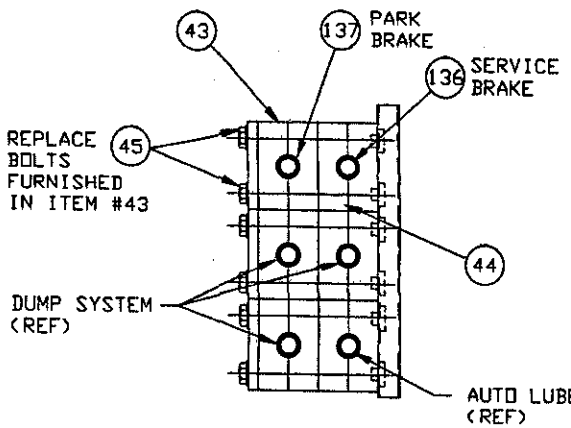
SHEET 7 OF 11

A85896

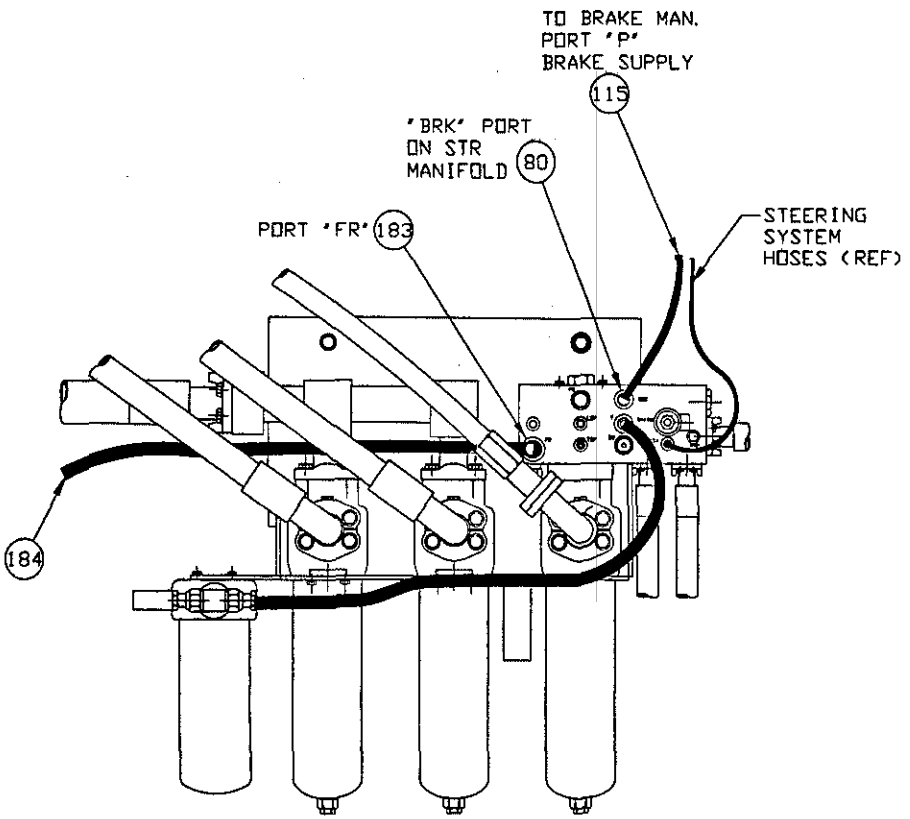
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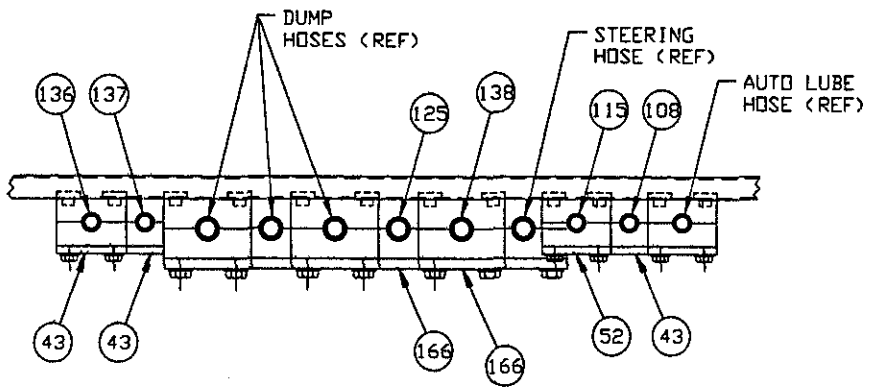
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VIEW C–C
(TYP 3 PLCS)



VIEW C



VIEW V–V

BY	DATE
ENG. APP.	
REL. DR.	
94473	
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E.N. NO.	

TEREX UNIT RIG

HYDRAULIC BRAKE ASSEMBLY

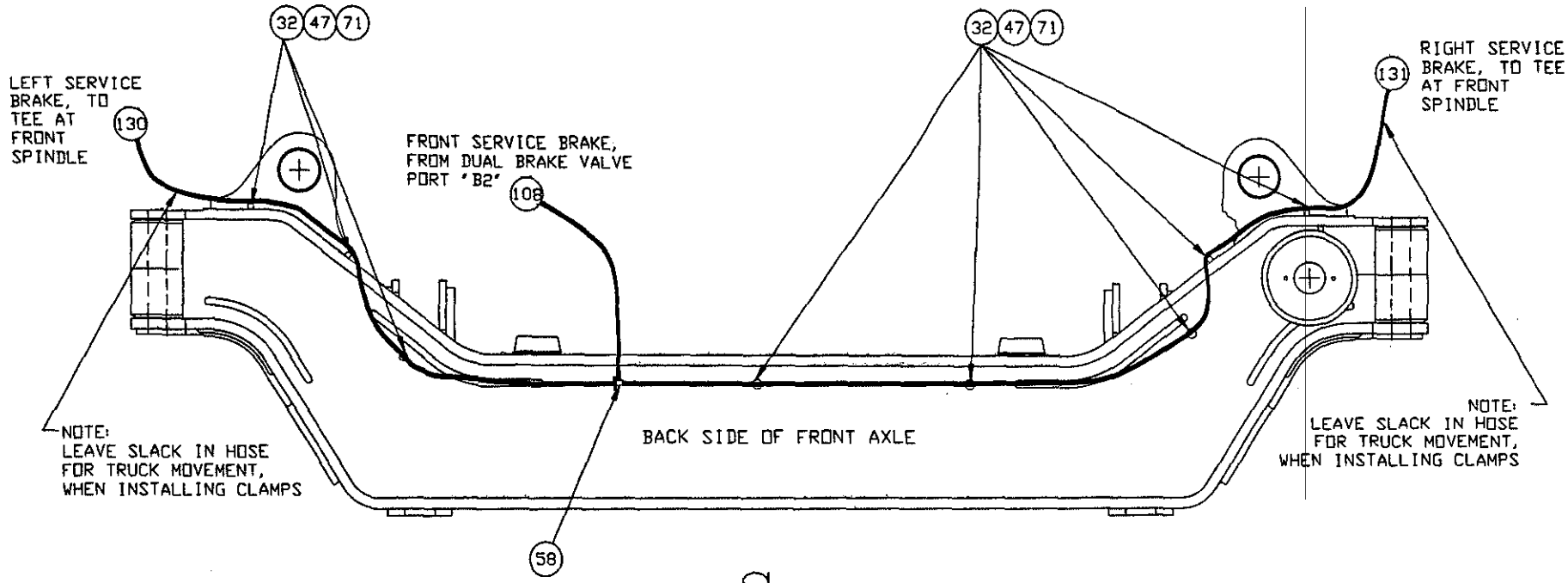
SHEET 8 OF 11

A85896

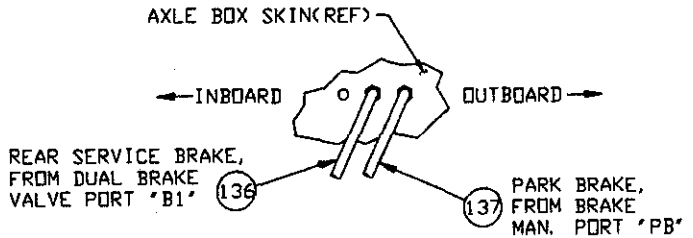
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VIEW S



VIEW X-X

E.N. NO.	
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94426	
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92658	

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX UNIT RIG

HYDRAULIC BRAKE ASSEMBLY

SHEET 9 OF 11

A85896

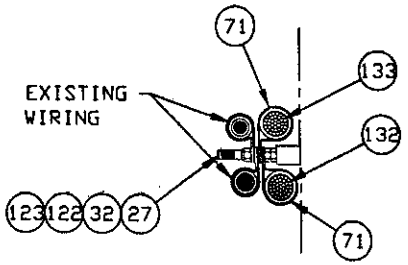
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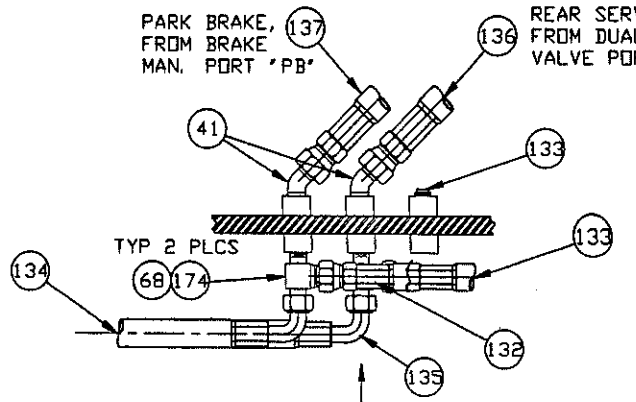
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REL. DT.

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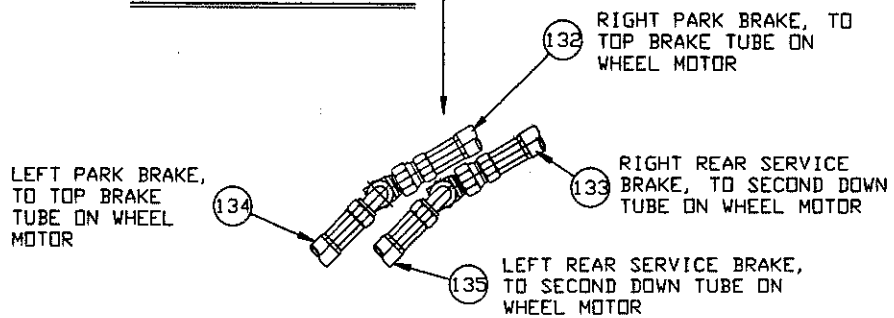


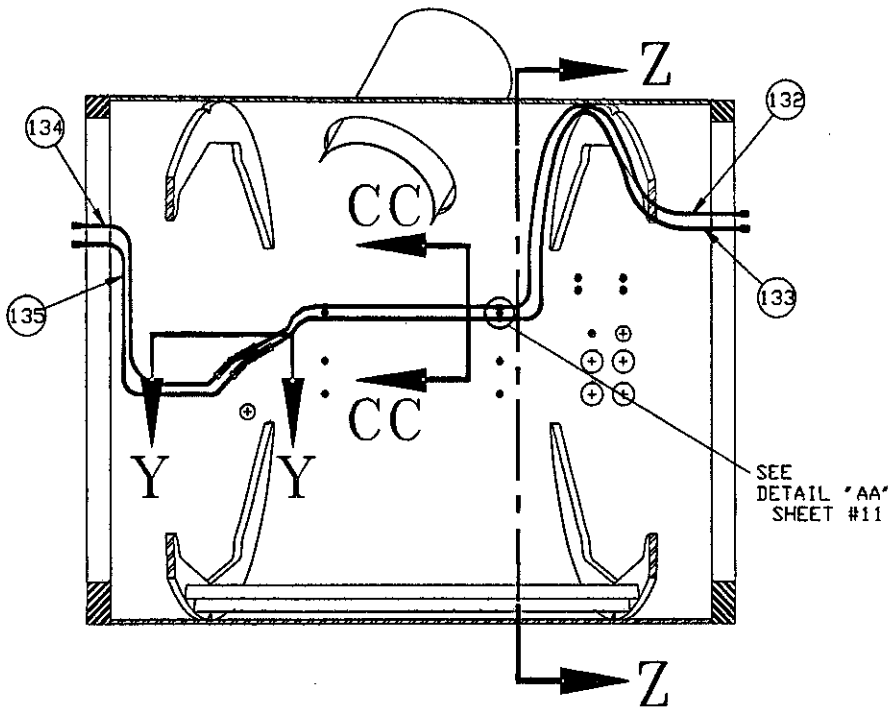
VIEW CC–CC

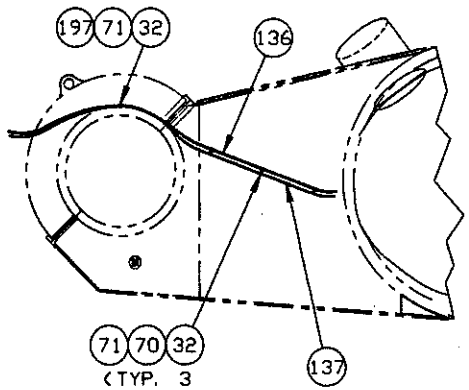
TYP. 2 PLACES



VIEW Y–Y







VIEW OF REAR BRAKE HOSES AT LEFT SIDE OF AXLE BOX

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.

TEREX UNIT RIG SIZE 2

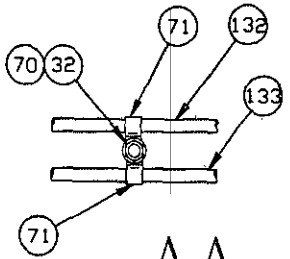
HYDRAULIC BRAKE ASSEMBLY

SHEET 10 OF 11

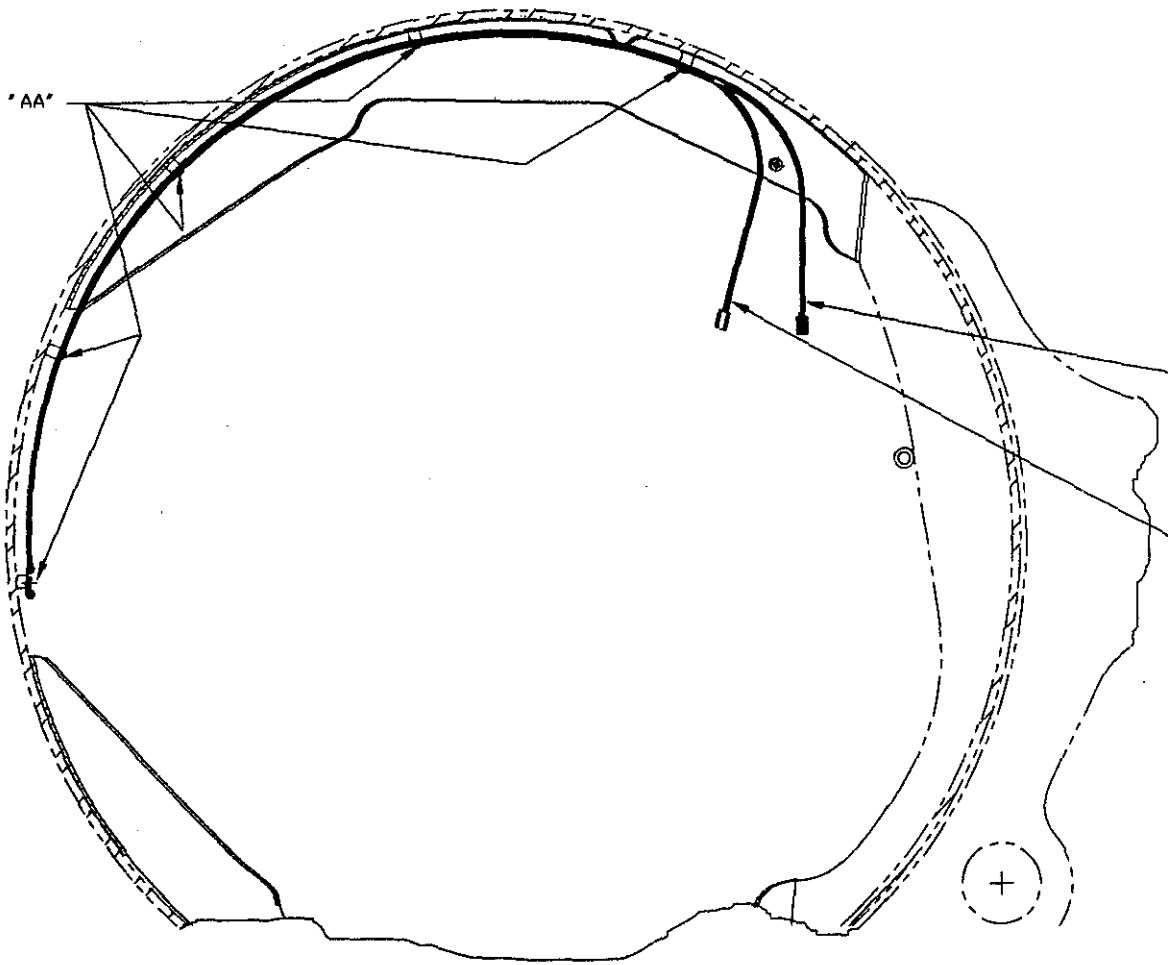
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TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579.



DETAIL AA
TYP. 6 PLACES



132 RIGHT PARK BRAKE, TO TOP BRAKE TUBE ON WHEEL MOTOR

133 RIGHT REAR SERVICE BRAKE, TO SECOND TUBE DOWN ON WHEEL MOTOR

SEC Z-Z

TEREX UNIT RIG

HYDRAULIC BRAKE ASSEMBLY

SHEET 11 OF 11

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E.N. NO.

B1115389

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	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		*56417*	VALVE, BRAKE - SINGLE
S	2	1		*83954K*	VALVE, BRAKE
	3	1		53360-0404	ADAPTER, STRAIGHT #4 ORS, MALE X #4 O-RING, MALE
	4	1		55319	LEVER-CONTROL
	5	8		10535	CAPSCR, HX, 5/16-18NC X 1-1/4 GR 5
	5	4		10535	CAPSCR, HX, 5/16-18NC X 1-1/4 GR 5
	6	13		10179	WASHER, LK, HELI, 5/16 X .586 OD
	7	8		17410	NUT-HEX, FLXLC 5/16-18 FLEXLOC 21FAF-518
	7	4		17410	NUT-HEX, FLXLC 5/16-18 FLEXLOC 21FAF-518
	8	7		53360-0808	ADAPTER-STRAIGHT #8 ORS, MALE X #8 O-RING, MALE
	9	1		10178	WASHER, LK, HELI, 1/4 X .489 OD
	10	1		53856	INPUT LEVER
	11	2		52158	CAPSCR, HX, 1/4-20NC X 1 GR 8
	12	4		53360-0404	ADAPTER, STRAIGHT #4 ORS, MALE X #4 O-RING, MALE
	13	2		15675	NUT-HX, CRNLK 1/4-20NC STD GR B
	14	1		10480	PIN COTTER 1/16 X 3/4, 5/64 DRL
	15	4		10162	WASHER, FL, 1/4 X 0.625 OD
	16	4		53932	SCR, MACH, TRH, 1/4-20NC X 3/4 GR2 BLK OXIDE
	17	2		85911A	BRACKET-HOSE
	18	4		986412	WASHER, LK, TOTH, 1/4" X 1/4" INTERNAL TOOTH WASHER
	19	4		52351	NUT, HX, 1/4-20NC STL GR 5
	20	1		84693H	GRIP (DWG 84693A-Z) 1" STR - PVC PIPE
	21	1		22129	BUSHING, 1-1/4 NPT X 1 NPT FS 6000PSI HEX
	22	1		16821	LOCKNUT CONDUIT 1-1/4"
	23	6		10182	WASHER, LK, HELI, 1/2 X .873 OD
	24	6		17744	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 8
S	25	1		*85605C*	MANIFOLD ASSY, BRAKE
	26	1		84657F	SWITCH, PRESS 2100 PSI DECR
	27	2		17413	NUT-HEX, FLXLC 3/8-16
	28	2		53360-0606	ADAPTER-STRAIGHT #6 ORS, MALE X #6 O-RING, MALE

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DR. A. RICE

ENG. APP. DODEN

REL. CK. DORROUGH

95372
E.N. NO.

*SEE SERVICE PARTS

TEREX
UNIT RIG

HYDRAULIC BRAKE ASSY

SHEET 1 OF 5

A85896D

A85896D

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	28	3		53360-0606	ADAPTER-STRAIGHT #6 ORS, MALE X #6 O-RING, MALE
	29	1		53360-0406	ADAPTER, STRAIGHT #4 ORS, MALE X #6 O-RING, MALE
S	31	3		*57423*	ACCUMULATOR-1 GALLON
	32	8		10164	WASHER, FL, 3/8 X 1 OD, ZP
	32	8		10164	WASHER, FL, 3/8 X 1 OD, ZP
	32	8		10164	WASHER, FL, 3/8 X 1 OD, ZP
	33	3		28911	CAPSCR, HX, 1/2-20NF X 7/8 GR 5
	34	3		22465	WASHER, FL, 1/2
	35	1		84657C	SWITCH, PRESS 1500 PSI INCR
	36	2		52082	CAPSCR, HX, 3/8-16NC X 4-1/4 GR 5
	37	1		1000448	CLAMP HALVES, 1-1/16"
	41	2		53362-0608	ADAPTER, 45 DEG #6 ORS, MALE X #8 O-RING, MALE
S	43	3		*84211C*	CLAMP-SUPPORT ASSY .675 ID
S	43	18		*84211C*	CLAMP-SUPPORT ASSY .675 ID
	47	8		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
	48	2		17142	CLAMP-CUSHION 1-1/16
S	52	1		*84211E*	CLAMP-SUPPORT ASSY .75 ID
S	52	3		*84211E*	CLAMP-SUPPORT ASSY .75 ID
	54	3		10584	CAPSCR, HX, 3/8-16NC X 6-1/2 GR 5
	58	1		53386-0606	ADAPTER-TEE BULKHEAD, RUN #6 ORS, BULKHEAD RUN X #6 ORS, MALE
	62	1		53366-0404	ADAPTER, TEE, RUN #4 ORS, MALE X #4 O-RING, MALE RUN
	68	2		53366-0606	ADAPTER, TEE, RUN #6 ORS, MALE X #6 O-RING, MALE RUN
	70	6		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
	70	3		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
	71	8		19062	CLAMP-CUSHION 11/16
	71	16		19062	CLAMP-CUSHION 11/16
	71	8		19062	CLAMP-CUSHION 11/16
	75	1		29081	CLEVIS, CONTROL CABLE
S	76	1		*53904*	SWITCH, PUSHBUTTON
	77	1		83553M	PLATE-SWITCH, LOAD BRK
S	78	1		*56152*	VALVE-SHUTTLE
	79	1		10004	CAPSCR, HX, 1/4-20NC X 1-3/4 GR 5

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DR.

ENG. APP.

REL. CK.

95372
E.N. NO.

*SEE SERVICE PARTS

TEREX
UNIT RIG

HYDRAULIC BRAKE ASSY

A85896D

ITM	QTY	UM	COMPONENT	DESCRIPTION
80	1		53363-0808	ADAPTER-90 DEG #8 ORS, MALE X #8 O-RING, MALE
80	1		53363-0808	ADAPTER-90 DEG #8 ORS, MALE X #8 O-RING, MALE
81	1		53363-0606	ADAPTER, 90 DEG #6 ORS, MALE X #6 O-RING, MALE
84	2		10163	WASHER, FL, 5/16, ZP X .687 OD
84	4		10163	WASHER, FL, 5/16, ZP X .687 OD
85	1		53855	MOUNTING KIT
89	1		83214E	COMPONENT BOX-HYD
90	1		84241E	BRACKET-ACCUMULATOR
91	4		79022F	ROD, ALL THD, 3/8-16NC X 6 1/4 LG.
92	4		17413	NUT-HEX, FLXLC 3/8-16
93	5		56781	ADAPTER, BULKHEAD, STRAIGHT #4 O-RING BOSS FEMALE X #4 O-RING BOSS FEMALE
94	5		56857	GAUGE, PRESSURE, 0-5000 PSI
95	5		53363-0404	ADAPTER-90 DEG #4 ORS, MALE X #4 O-RING, MALE
96	1		55912	CABLE-CONTROL 120" LG
101	1		84315B-119	HOSE ASSY FC310-06 119"LG W/FJ9891 FTGS
102	1		84301A-126	HOSE ASSY FC211-04 126"LG W/FJ9891 FTGS
103	1		84303B-137	HOSE ASSY FC211-06 137"LG W/FJ9891 & FJ9893 FTGS
104	1		84958A	TUBE ASSY, HYDRAULIC
105	1		84958B	TUBE ASSY-HYD
106	1		85010S	TUBE ASSY-HYD
108	1		84315B-247	HOSE ASSY FC310-06 247"LG W/FJ9891 FTGS
109	1		84385S	TUBE ASSY, HYDRAULIC
110	1		84385T	TUBE ASSY, HYDRAULIC
115	1		84315C-189	HOSE ASSY FC310-08 189"LG W/FJ9891 FTGS
117	1		84380V	TUBE ASSY, HYDRAULIC
118	1		84380U	TUBE ASSY, HYDRAULIC
119	1		84380Z	TUBE ASSY, HYDRAULIC
120	1		84377F	TUBE ASSY-HYD 1/4"
121	1		84377F	TUBE ASSY-HYD 1/4"
122	2		79022B	ROD, ALL THRD, 3/8-16NC X 2" LG
123	2		10136	NUT, HX, JAM, 3/8-16NC, ZP STL GR 2
124	1		84385P	TUBE ASSY, HYDRAULIC
125	1		84303F-253	HOSE ASSY FC211-12 253" LG W/FJ9891 & J9893 FTGS

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ALVERT-TEREX

DR.

ENG. APP.

REL. CK.

95372

E.N. NO.

TEREX UNIT RIG

HYDRAULIC BRAKE ASSY

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A85896D

ITM	QTY	UM	COMPONENT	DESCRIPTION
127	1		84385N	TUBE ASSY, HYDRAULIC
128	1		84385M	TUBE ASSY, HYDRAULIC
130	1		84315B-097	HOSE ASSY FC310-06 97"LG W/FJ9891 FTGS
131	1		84315B-161	HOSE ASSY FC310-06 161"LG W/FJ9891 FTGS
132	1		84659B-128	HOSE ASSY FC310-06 128"LG W/FJ9891 & FJ9122 FTGS
133	1		84659B-128	HOSE ASSY FC310-06 128"LG W/FJ9891 & FJ9122 FTGS
134	1		84661B-036	HOSE ASSY FC310-06 36" LG W/ FJ9893 & FJ9122 FTGS
135	1		84661B-036	HOSE ASSY FC310-06 36" LG W/ FJ9893 & FJ9122 FTGS
136	1		84301B-315	HOSE ASSY FC211-06 315" LG W/FJ9891 FTGS
137	1		84315B-326	HOSE ASSY FC310-06 326"LG W/FJ9891 FTGS
138	1		84303F-253	HOSE ASSY FC211-12 253" LG W/FJ9891 & J9893 FTGS
140	1		85140A	NAMEPLATE, (ENGLISH)
141	1		85140B	NAMEPLATE, (ENGLISH)
145	3		53364-0808	ADAPTER, 90 DEG, LONG #8 ORS, MALE X #8 O-RING, MALE
148	2		53379-0606	ADAPTER-TEE, RUN #6 ORS, FEMALE RUN X #6 ORS, MALE
149	2		53360-0608	ADAPTER-STRAIGHT #6 ORS, MALE X #8 O-RING, MALE
156	2		53373-0406	ADAPTER-STR, REDUCER #4 ORS, MALE X #6 ORS, FEMALE
157	2		27661	PLUG, #4 O-RING BOSS
158	1		84755B	FITTING-VENTURI
159	2		55652	CONNECTOR, QUICK #4 ORB PORT USE 55724 & 55725-0404 TO ATTACH TO 55652 TST COUPLING
160	1		986270	O-RING
161	1		916359	O-RING-90 DURO
162	1		53360-1212	ADAPTER, STRAIGHT #12 ORS, MALE X #12 O-RING, MALE
163	1		22745	PLUG, #8 O-RING BOSS
163	1		22745	PLUG, #8 O-RING BOSS
164	3		53379-1212	ADAPTER, TEE, RUN #12 ORS FEMALE RUN X #12 ORS, MALE
S 166	11		*84211G*	CLAMP-SUPPORT ASSY 1.05 ID

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ENG. APP.

REL. CK.

95372
E.N. NO.

*SEE SERVICE PARTS

TEREX
UNIT RIG

HYDRAULIC BRAKE ASSY

A85896D

A85896D

ITM	QTY	UM	COMPONENT	DESCRIPTION
S 166	2		*84211G*	CLAMP-SUPPORT ASSY 1.05 ID
168	1		84303F-032	HOSE ASSY FC211-12 32" LG W/STRAIGHT AND 90 DEG. ORS FITTINGS.
169	1		84755C	FITTING-VENTURI
170	1		52612	COUPLING-QUICK 1/4NPT PORT NOTE: P/N 55653 CAN BE USED TO CONNECT A PRESSURE GAUGE TO THIS TEST COUPLING.
172	2		53360-1208	ADAPTER, STRAIGHT #12 ORS, MALE X #8 O-RING, MALE
174	2		51486	ADAPTER, REDUCER #8 O-RING, MALE X #6 O-RING, FEMALE
175	1		53365-0404	ADAPTER, TEE, BRANCH #4 ORS MALE BRANCH X #4 O-RING BOSS MALE
183	1		53360-1212	ADAPTER, STRAIGHT #12 ORS, MALE X #12 O-RING, MALE
184	1		84303F-059	HOSE ASSY FC211-12 59" OAL W/ FJ9891 & FJ9893 FTGS
191	1		53360-0406	ADAPTER, STRAIGHT #4 ORS, MALE X #6 O-RING, MALE
192	1		53363-0406	ADAPTER, 90 DEG #4 ORS MALE X #6 O-RING MALE
193	1		24725	ADAPTER, REDUCER #6 O-RING, MALE X #4 O-RING, FEMALE
196	1		26582	PLUG, #6 O-RING BOSS
197	1		10126	NUT, HX, 3/8-16NC STL GR 5
198	7		10013	CAPSCR, HX, 3/8-16NC X 1-1/4 GR 5
199	7		10164	WASHER, FL, 3/8 X 1 OD, ZP
200	7		17413	NUT-HEX, FLXLC 3/8-16
250 R	1		A85896	DWG ONLY, HYDRAULIC BRAKE ASSY

MT4400
BRAKE MANIFOLD WITH
24 VOLT DC COILS ON
PARK BRAKE SOLENOID
VALVE.

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E.N. NO.

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TEREX
UNIT RIG

HYDRAULIC BRAKE ASSY

SHEET 5 OF 5

A85896D

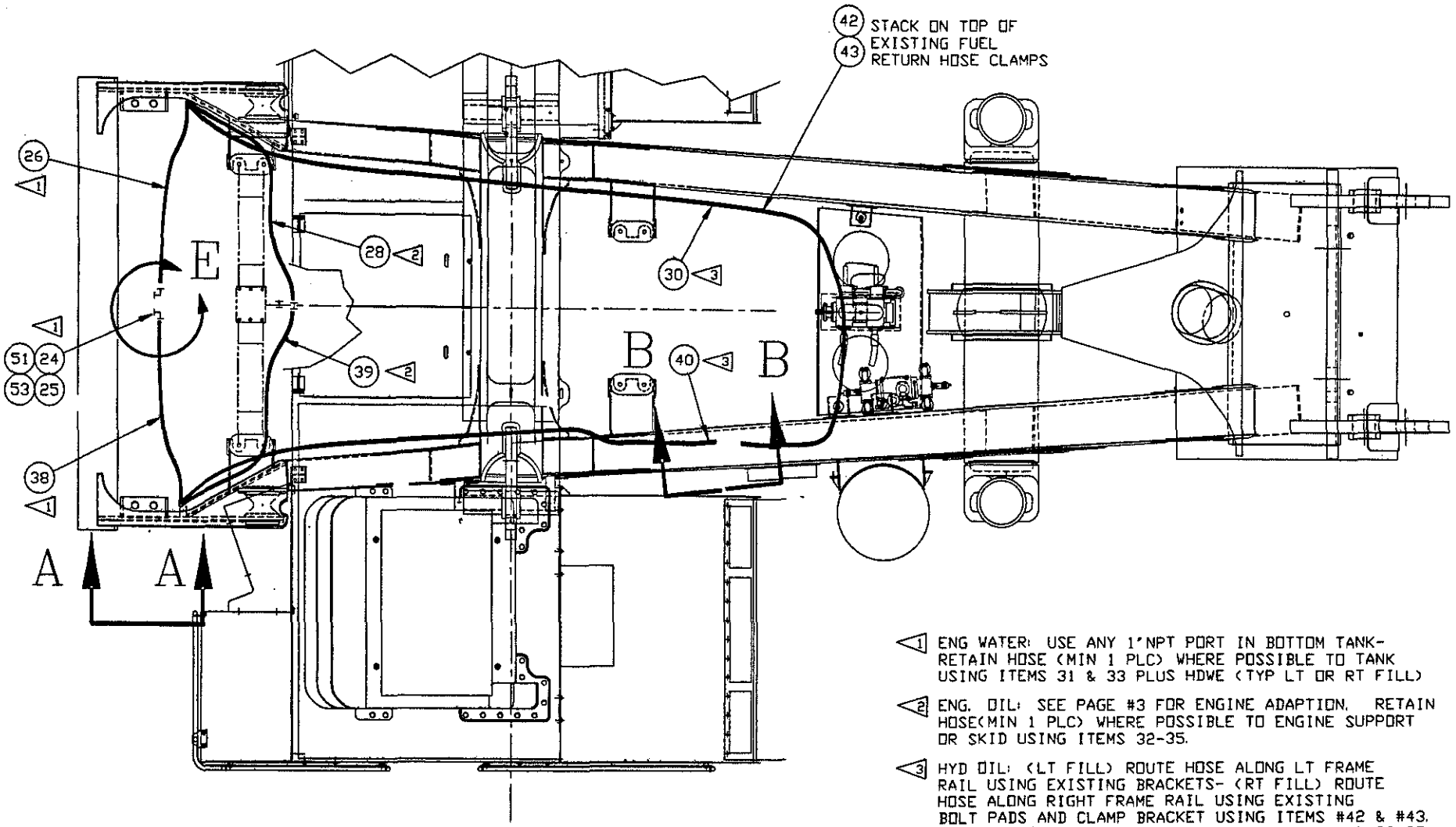
SECTION 6 - PIPING

DESCRIPTION	ASSEMBLY
Auto Lube Assembly	A86200E
Central Service Assembly	A84579P
Lube Assembly, Auto	A86200E

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A84279

DR DODEN
ENG. APP. ROBINSON
REL. DR. ELLIS
92489
91918
91663
90934
90090
89981
89900
88724
88614
E.N. NO.



NOTES
1. CHECK ASSEMBLY NOTE (ITEM #50) FOR LOCATION OF FILL STATION
2. USE TIE WRAPS AS REQ'D TO RETAIN HOSE

1. ENG WATER: USE ANY 1" NPT PORT IN BOTTOM TANK- RETAIN HOSE (MIN 1 PLC) WHERE POSSIBLE TO TANK USING ITEMS 31 & 33 PLUS HDWE (TYP LT OR RT FILL)
2. ENG. OIL: SEE PAGE #3 FOR ENGINE ADAPTION. RETAIN HOSE(MIN 1 PLC) WHERE POSSIBLE TO ENGINE SUPPORT OR SKID USING ITEMS 32-35.
3. HYD OIL: (LT FILL) ROUTE HOSE ALONG LT FRAME RAIL USING EXISTING BRACKETS- (RT FILL) ROUTE HOSE ALONG RIGHT FRAME RAIL USING EXISTING BOLT PADS AND CLAMP BRACKET USING ITEMS #42 & #43. ROUTE ACROSS PUMP PLATFORM USING ITEMS 31 & 33-35.
4. GREASE: COMPONENTS PER AUTOLUBE ASSY

UNIT RIG
CAD SIZE 2

CENTRAL SERVICE ASSY

SHEET 1 OF 3
A84279

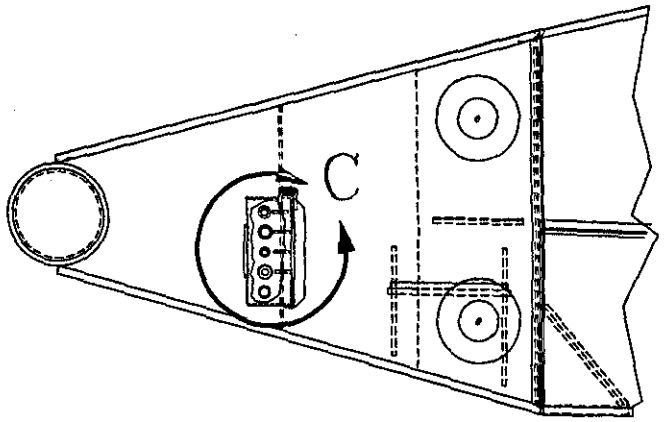
BI115389

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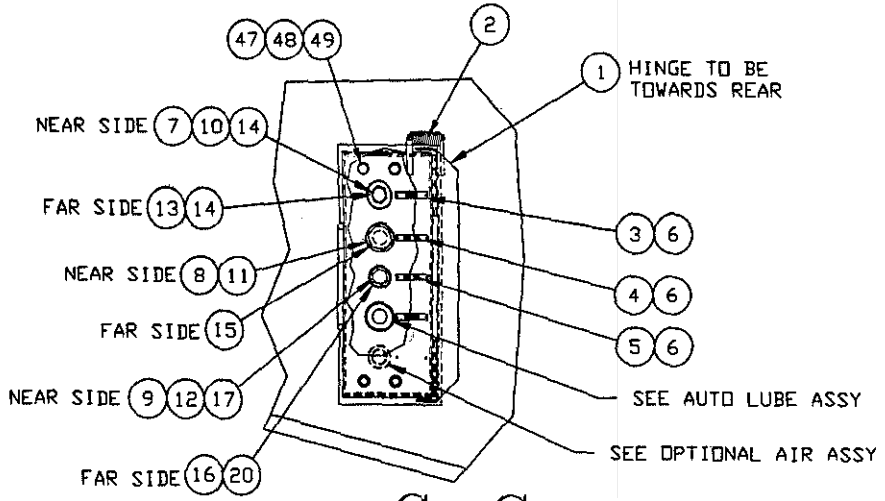
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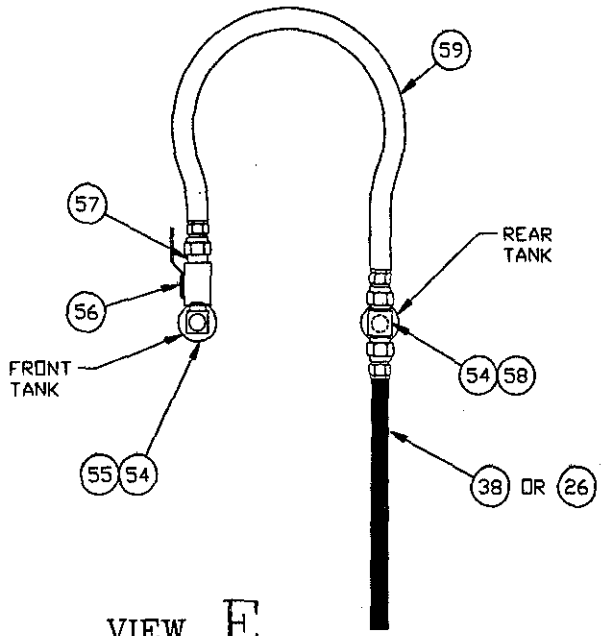


VIEW A–A

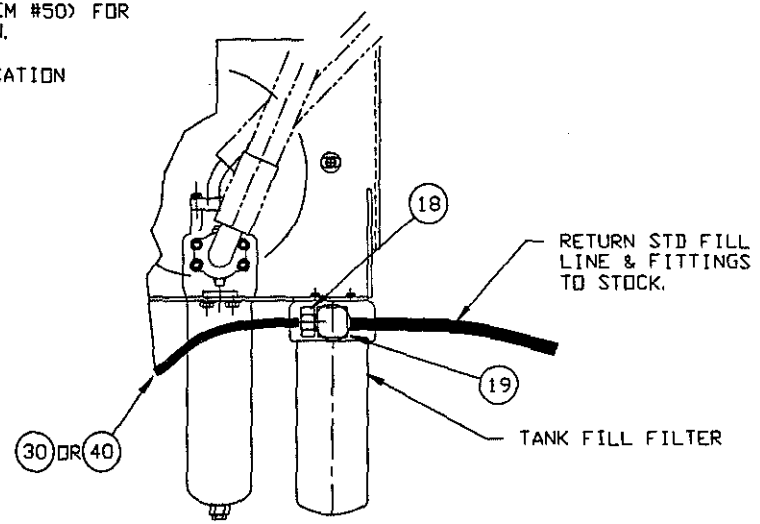


VIEW C–C

NOTE:
CHECK ASSEMBLY NOTE (ITEM #50) FOR LOCATION OF FILL STATION.
LEFT HAND FILL SHOWN
RIGHT HAND FILL SAME LOCATION ON OPPOSITE SIDE



VIEW E



VIEW B–B

UNIT RIG

CAD SIZE 2

CENTRAL SERVICE ASSY

SHEET 2 OF 3

A84279

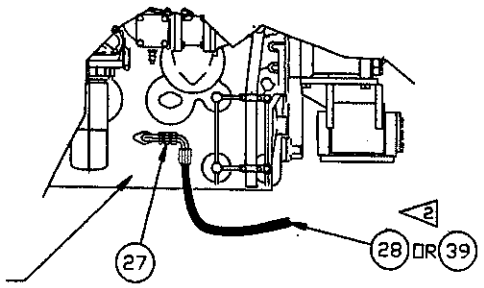
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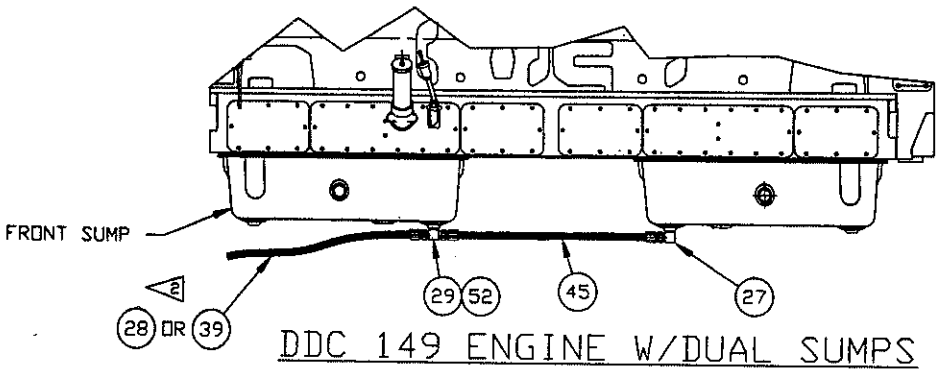
A84279

DR. DODEN
ENG. APP.
REL. DT.

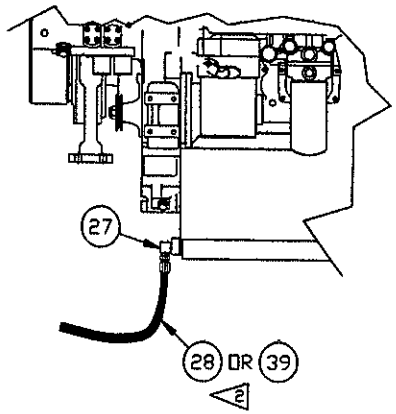
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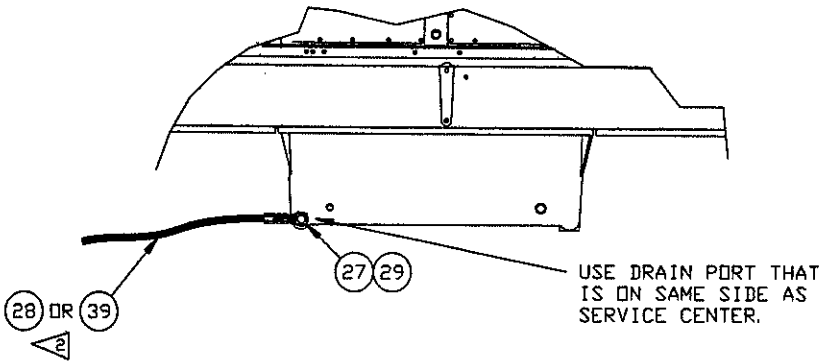
MTU 16V396 ENGINE



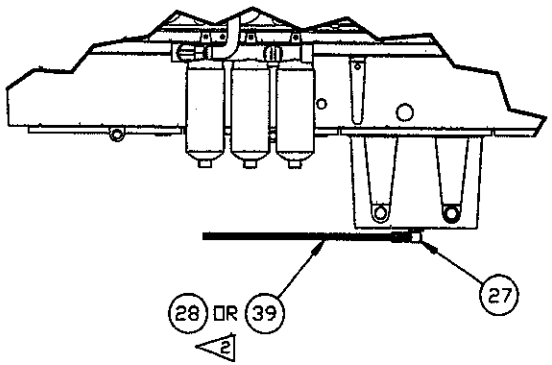
DDC 149 ENGINE W/DUAL SUMPS



DDC SERIES 4000 ENGINE



CUMMINS "K" ENGINE



CUMMINS QSK60 ENGINE

UNIT RIG
CAD SIZE 2

CENTRAL SERVICE ASSY

SHEET 3 OF 3
A84279

BI115389

A84279P

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		69537M	COVER-CENTRAL SERVICE
2 R	1		56962	SPRING, EXTENSION
3	1		69514B	NAMEPLATE (WATER)
4	1		69514C	NAMEPLATE(ENGINE OIL)
5	1		69514A	NAMEPLATE (HYD OIL)
6	6		15914	SCREW, DRIVE #2 X 3/16 LG
7	1		12349	PLUG-PIPE 3/4 NPT
8	1		12349	PLUG-PIPE 3/4 NPT
9	1		12349	PLUG-PIPE 3/4 NPT
13	1		53368-0808	ADAPTER, 45 ORS/NPTF #8 ORS X 1/2 NPTF
14	1		17161	BUSHING, 3/4 X 1/2 NPT MI 150PSI HEX
15	1		53368-1612	ADAPTER, 45 ORS/NPTF #16 ORS X 3/4 NPTF
16	1		53368-1212	ADAPTER, 45 ORS/NPTF #12 ORS X 3/4 NPTF
19	1		53363-1216	ADAPTER, 90 DEG #12 ORS, MALE X #16 O-RING, MALE
26	1		85130C-076	HOSE ASSY FC300-08 76" LG W/FJ9706 FTGS
27	1		53369-1616	ADAPTER-90 ORS/NPTF #16 ORS MALE X 1 NPT MALE
28	1		85130G-085	HOSE ASSY FC300-16 85"LG W/FJ9706 FTGS
30	1		85130F-390	HOSE ASSY FC300-12 390"LG W/FJ9706 FTGS
31	6		17141	CLAMP-CUSHION 7/8 ID
32	3		17143	CLAMP-CUSHION 1-9/16
33	10		948634	PAD, BOLTING 3/8 NC 3/4 OD X 3/4 LG
34	10		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
35	10		10180	WASHER, LK, HELI, 3/8 X .683 OD
36	12		18402	TIE, WRAP HEAVY DUTY 3/16 TO 3-1/2 BUNDLE
47	4		10015	CAPSCREW, HX, 3/8-16NC X 1-3/4 GR 5
48	4		17413	NUT-HEX, FLXLC 3/8-16
49	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
50 R	1		N84279A	ASSEMBLY NOTE- NO DWG ********** INSTALL SERVICE STATION AT RIGHT FRT CORNER **********

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ENG. APP. NIELSEN
REL. CK. ELLIS

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E.N. NO.

TEREX UNIT RIG

CENTRAL SERVICE ASSEMBL

A84279P

A84279P

ITM	QTY	UM	COMPONENT	DESCRIPTION
54	2		17161	BUSHING, 3/4 X 1/2 NPT MI 150PSI HEX
55	1		25223	ADAPTER, 90 DEG 1/2 NPT MALE X 1/2 NPT MALE
56	1		23473	VALVE, BALL 1/2" NPT
57	1		53367-0808	ADAPTER, STR ORS/NPTF #8 ORS, MALE X 1/2 NPT, MALE
58	1		53370-0808	ADAPTER, TEE, BRANCH ORS/NPTF #8 ORS X 1/2 NPTF
59	1		85130C-022	HOSE ASSY FC300-08 22" LG W/FJ9706 FTGS
99 R	1		A84279	DWG ONLY, CENTRAL SERVICE AS

MT4400 W/16V4000 ENGINE
CONNECTIONS FOR:
ENGINE OIL
HYDRAULIC OIL
ENGINE COOLANT
NO SERVICE NOZZLES
SERVICE BOX FOR LUBE
LEVEL LIGHT
RIGHT FRONT CORNER

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TEREX
UNIT RIG

CENTRAL SERVICE ASSEMBLY

A84279P

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Robinson ENG. APP.

NIELSEN REC. OK

ELLIS

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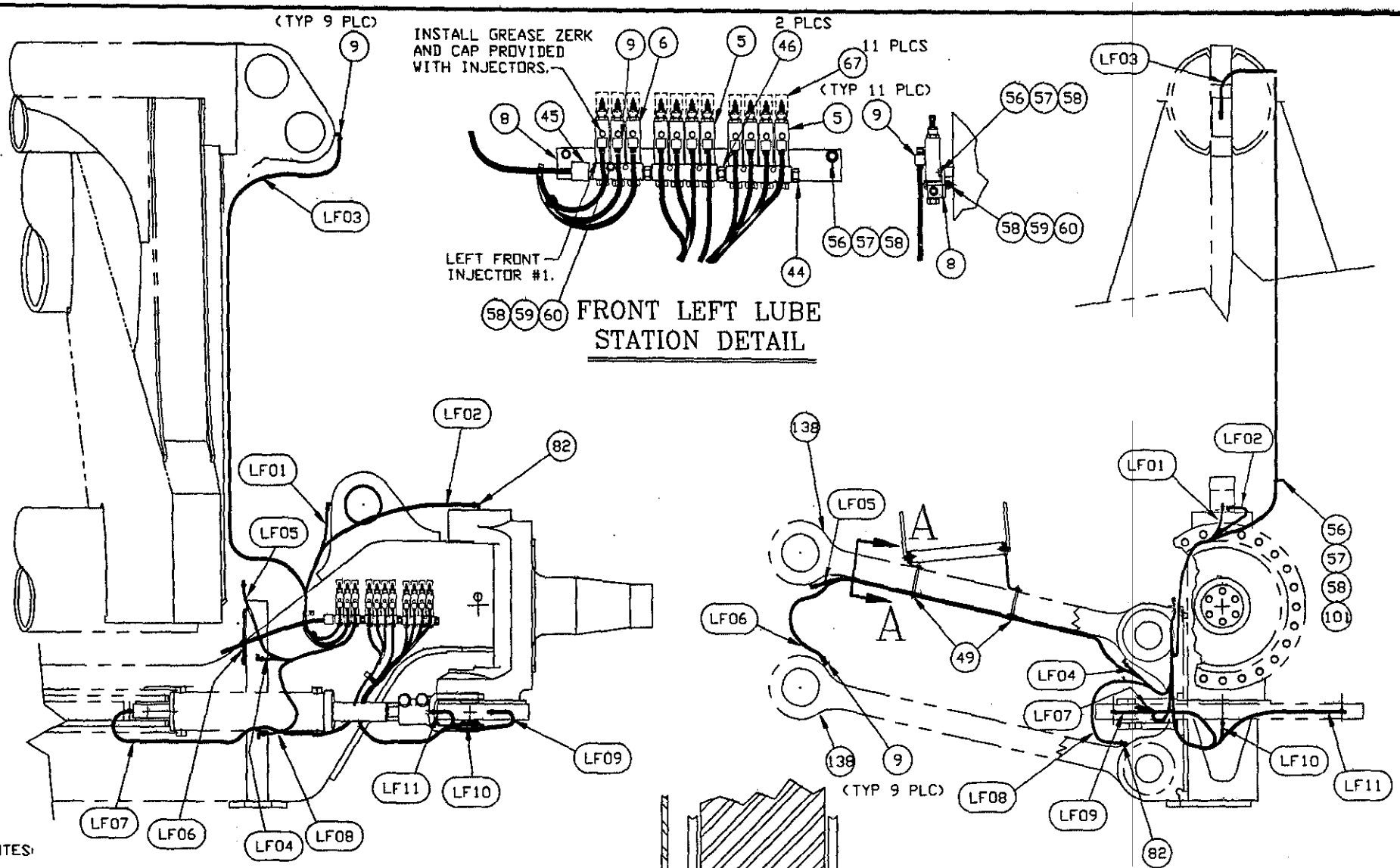
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E.N. NO.



FRONT LEFT LUBE STATION DETAIL

VIEW A—A

NOTES:

1) ENSURE THAT HOSES WILL NOT BE OVER STRESSED BY FULLY ACTUATING ALL MOVING ASSEMBLIES.

2) SET 'OFF' TIMER TO 5 MINUTES. SET 'ON' TIMER TO 1 MINUTE. ADD A DROP OF EPOXY TO EACH OF THE TIMER KNOBS TO INDICATE WHERE THE TIMES THE TIMERS HAD BEEN SET.

TEREX UNIT RIG

AUTO LUBE ASSY

PAGE 1 OF 10

A86200

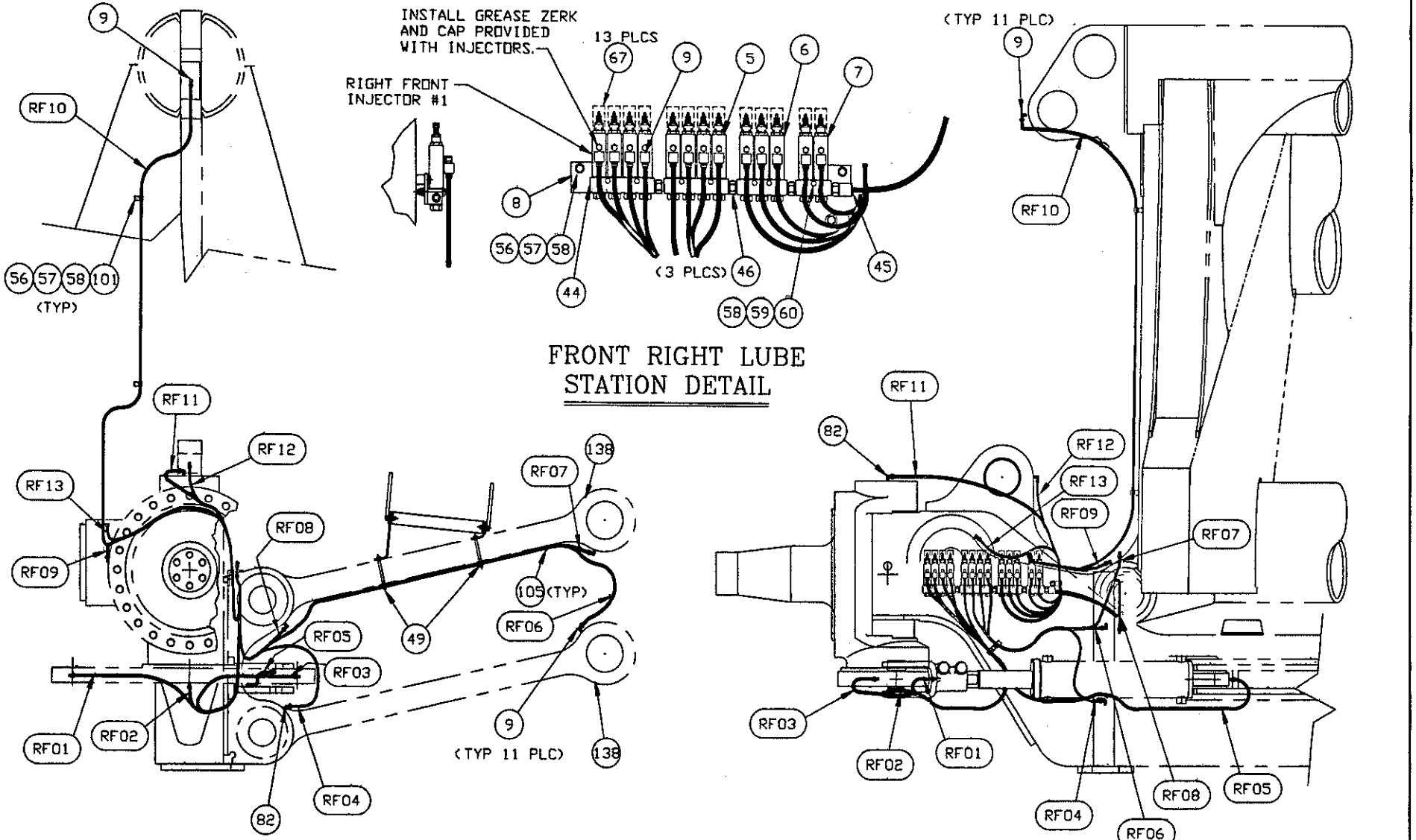
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FRONT RIGHT LUBE STATION DETAIL

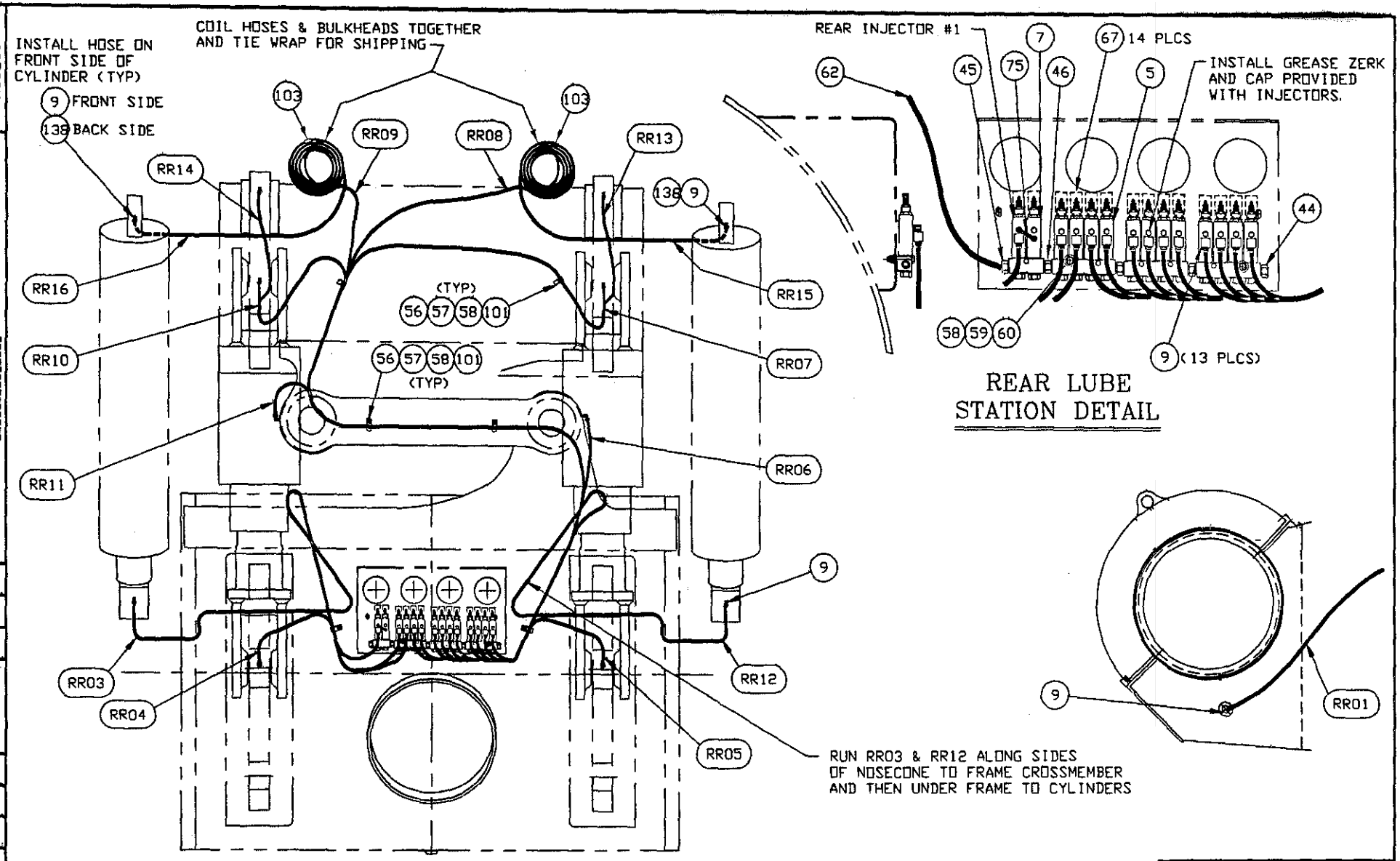
TEREX UNIT RIG SIZE E

AUTO LUBE ASSY

PAGE 2 OF 10

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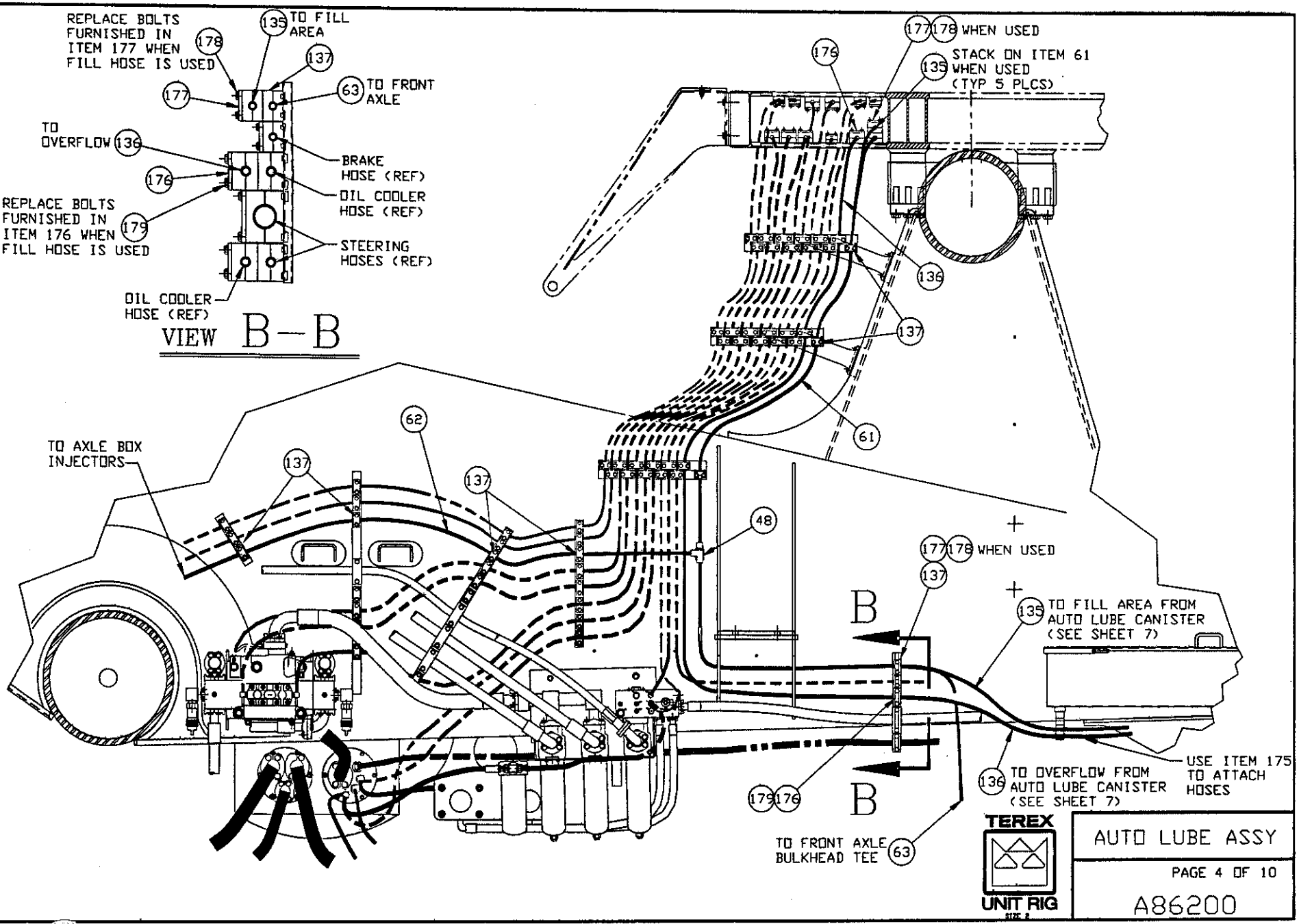
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TEREX UNIT RIG

AUTO LUBE ASSY

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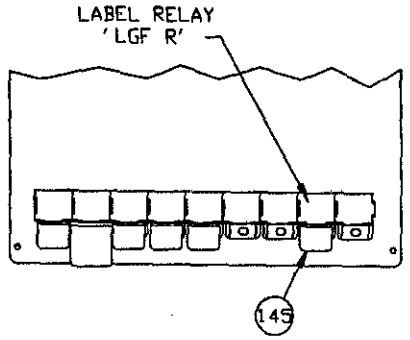
TEREX
UNIT RIG
SIZE 2

AUTO LUBE ASSY

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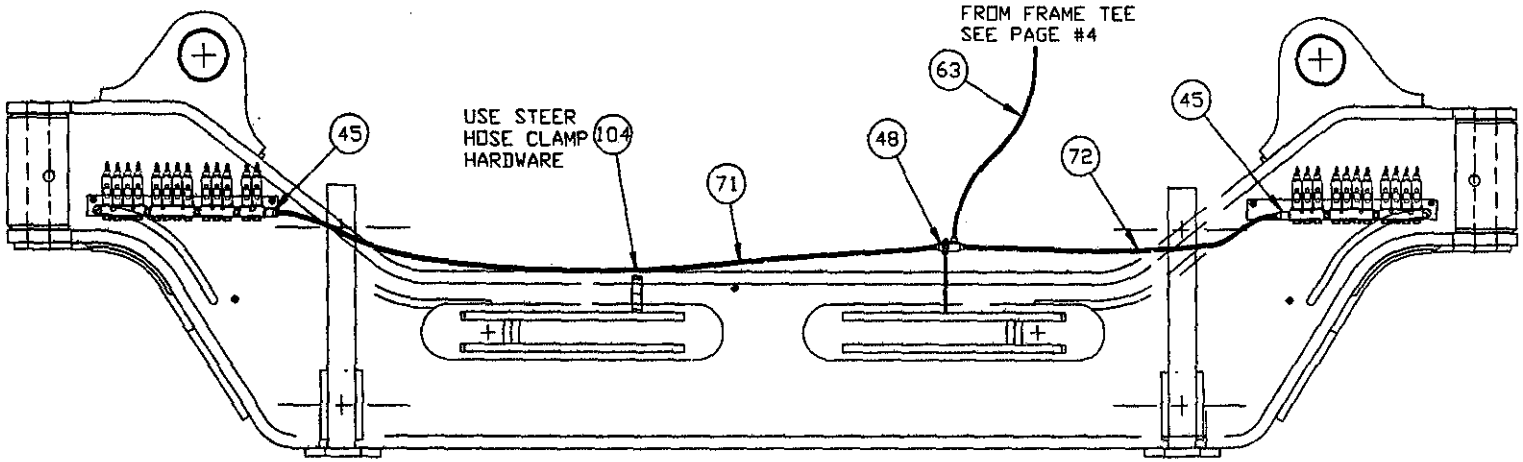
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LOWER RIGHT DASH PANEL
SEE CAB CONFIGURATION
FOR EXACT LOCATION

FOR UNITS WITH REMOTE
GREASE DRUM FILL



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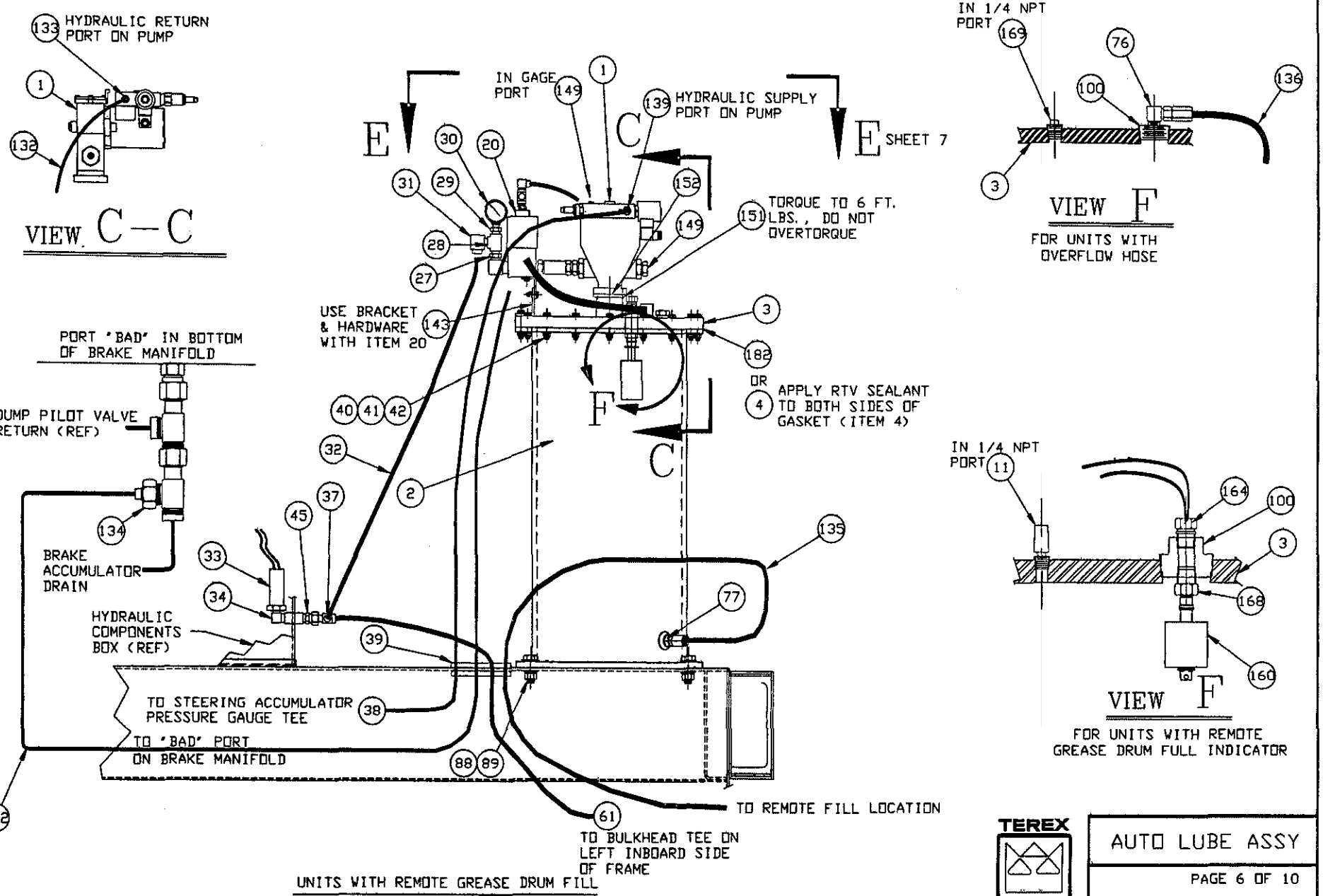
TEREX
UNIT RIG

AUTO LUBE ASSY

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TEREX UNIT RIG SIZE E

AUTO LUBE ASSY

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NOTE:
CHECK ASSEMBLY NOTE(ITEM #180) FOR LOCATION OF FILL STATION
LEFT HAND FILL SHOWN
RIGHT HAND FILL SAME LOCATION ON OPPOSITE SIDE

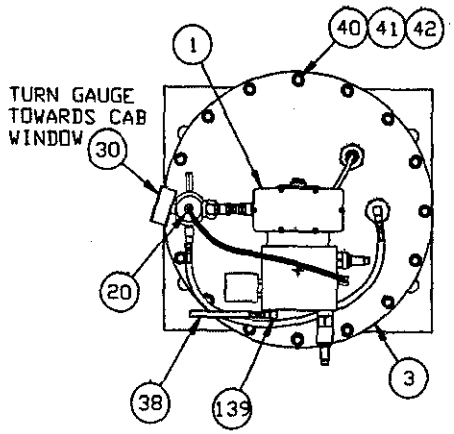
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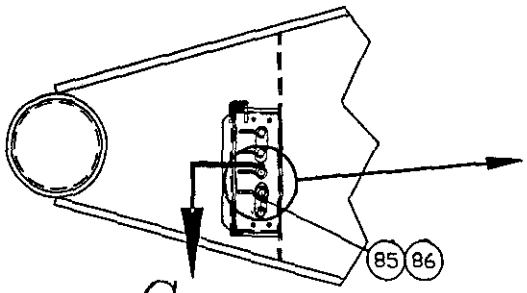
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ENG APP.
REL DT.

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E.N. NO.

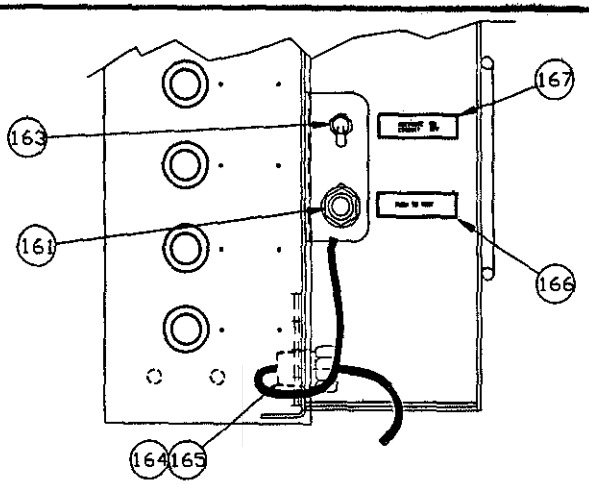
CAB SIDE OF GREASE CONTAINER



VIEW E—E

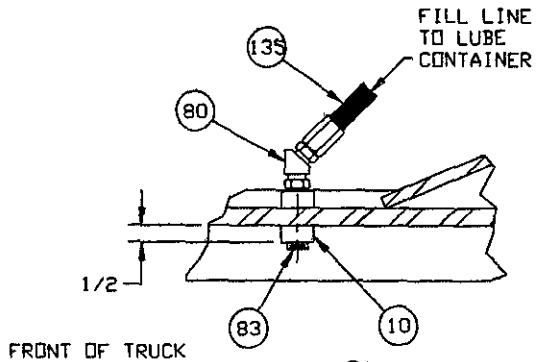


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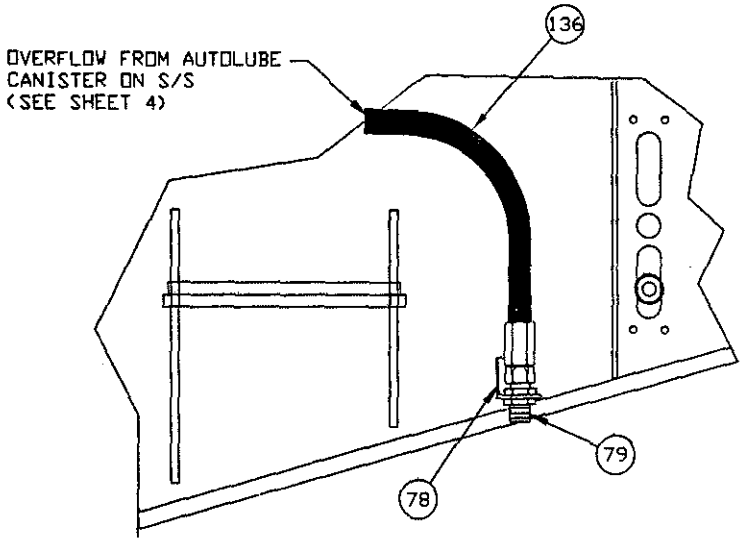
USE TO PLUG UPPER HOLE IN SERVICE BOX

FOR UNITS WITH CENTRAL SERVICE BOX W/SWITCH MOUNTING



VIEW G

FOR UNITS WITH REMOTE GREASE DRUM FILL



INSIDE FRONT OF FRAME
L. H. SHOWN

TEREX UNIT RIG

AUTO LUBE ASSY

A86200

BI115389

A86200

HOSE NO	ITEM NO.	LOCATION
LF01	107	FROM LEFT FRONT INJECTOR #1 TO BOTTOM SUSPENSION PIN
LF02	108	FROM LEFT FRONT INJECTOR #2 TO TOP OF KINGPIN
LF03	109	FROM LEFT FRONT INJECTOR #3 TO TOP SUSPENSION PIN
LF04	110	FROM LEFT FRONT INJECTOR #4 TO REAR TOP TRAILING ROD PIN
LF05	111	FROM LEFT FRONT INJECTOR #5 TO FRONT TOP TRAILING ROD PIN
LF06	112	FROM LEFT FRONT INJECTOR #6 TO FRONT BOTTOM TRAILING ROD PIN
LF07	113	FROM LEFT FRONT INJECTOR #7 TO STEERING CYLINDER PIN AT ANCHOR
LF08	114	FROM LEFT FRONT INJECTOR #8 TO REAR BOTTOM TRAILING ROD PIN
LF09	115	FROM LEFT FRONT INJECTOR #9 TO STEERING CYLINDER PIN AT ARM
LF10	116	FROM LEFT FRONT INJECTOR #10 TO BOTTOM OF KINGPIN
LF11	117	FROM LEFT FRONT INJECTOR #11 TO TIE ROD PIN

ALVERT-TEREX

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DR.

ENG. APP.

REL. CK.

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94048

93555

E.N. NO.

LUBE HOSES ON LEFT FRONT LUBE STATION

TEREX
UNIT RIG

AUTO LUBE ASSY

A86200

A86200

HOSE NO	ITEM NO.	LOCATION
RF01	117	FROM RIGHT FRONT INJECTOR #1 TO TIE ROD PIN
RF02	116	FROM RIGHT FRONT INJECTOR #2 TO BOTTOM OF KINGPPIN
RF03	115	FROM RIGHT FRONT INJECTOR #3 TO STEERING CYLINDER PIN AT ARM
RF04	114	FROM RIGHT FRONT INJECTOR #4 TO REAR BOTTOM TRAILING ROD PIN
RF05	113	FROM RIGHT FRONT INJECTOR #5 TO STEERING CYLINDER PIN AT ANCHOR
RF06	112	FROM RIGHT FRONT INJECTOR #6 TO FRONT BOTTOM TRAILING ROD PIN
RF07	111	FROM RIGHT FRONT INJECTOR #7 TO FRONT TOP TRAILING ROD PIN
RF08	110	FROM RIGHT FRONT INJECTOR #8 TO REAR TOP TRAILING ROD PIN
RF09	118	FROM RIGHT FRONT INJECTOR #9 TO INBOARD PANHARD ROD PIN
RF10	109	FROM RIGHT FRONT INJECTOR #10 TO TOP SUSPENSION PIN
RF11	108	FROM RIGHT FRONT INJECTOR #11 TO TOP OF KINGPIN
RF12	107	FROM RIGHT FRONT INJECTOR #12 TO BOTTOM SUSPENSION PIN
RF13	119	FROM RIGHT FRONT INJECTOR #13 TO OUTBOARD PANHARD ROD PIN

ALVERT-TEREX
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REL. CK.

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E.N. NO.

LUBE HOSES ON RIGHT FRONT LUBE STATION

TEREX
UNIT RIG

AUTO LUBE ASSY

A86200

HOSE NO	ITEM NO.	LOCATION
RR01	121	FROM REARLUBE INJECTOR #1 TO NOSE CONE BUSHING
RR02	075	FROM REARLUBE INJECTOR #2 TO REARLUBE INJECTOR #1
RR03	120	FROM REARLUBE INJECTOR #3 TO BOTTOM LEFT DUMP CYLINDER PIN
RR04	122	FROM REARLUBE INJECTOR #4 TO BOTTOM LEFT SUSPENSION PIN
RR05	123	FROM REARLUBE INJECTOR #5 TO BOTTOM RIGHT SUSPENSION PIN
RR06	124	FROM REARLUBE INJECTOR #6 TO RIGHT PANHARD ROD PIN
RR07	127	FROM REARLUBE INJECTOR #7 TO TOP RIGHT SUSPENSION PIN
RR08	125	FROM REARLUBE INJECTOR #8 TO DUMPBODY BULKHEAD RIGHT HOLE
RR09	125	FROM REARLUBE INJECTOR #9 TO DUMPBODY BULKHEAD LEFT HOLE
RR10	128	FROM REARLUBE INJECTOR #10 TO TOP LEFT SUSPENSION PIN
RR11	129	FROM REARLUBE INJECTOR #11 TO LEFT PANHARD ROD PIN
RR12	120	FROM REARLUBE INJECTOR #12 TO BOTTOM RIGHT DUMP CYLINDER PIN
RR13	130	FROM REARLUBE INJECTOR #13 TO RIGHT DUMP BODY PIVOT BUSHING
RR14	131	FROM REARLUBE INJECTOR #14 TO LEFT DUMP BODY PIVOT BUSHING
RR15	126	FROM DUMPBODY BULKHEAD RIGHT HOLE TO TOP RIGHT DUMP CYLINDER PIN
RR16	126	FROM DUMPBODY BULKHEAD LEFT HOLE TO TOP LEFT DUMP CYLINDER PIN

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LUBE HOSES ON REAR LUBE STATION

TEREX
UNIT RIG

AUTO LUBE ASSY

SHEET 10 OF 10

A86200

A86200E

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		*56618**	PUMP-GREASE W/ ROTARY HYD PUMP
	2	1		83442F	CONTAINER-GREASE 120# USABLE CAPACITY 16.4 GAL.
	3	1		83443J	LID, GREASE CONTAINER
S	5	4		*18744*	MANIFOLD-4 INJECTOR
S	5	3		*18744*	MANIFOLD-4 INJECTOR
S	6	2		*23884*	MANIFOLD-3 INJECTOR
S	7	1		*19646*	MANIFOLD-2 INJECTOR
S	7	1		*19646*	MANIFOLD-2 INJECTOR
	8	2		83445A	BRACKET-LUBE INJECTOR
	9	24		17629	ADAPTER, 90 DEG #4 JIC, MALE X 1/8 NPTF, MALE
	9	12		17629	ADAPTER, 90 DEG #4 JIC, MALE X 1/8 NPTF, MALE
	9	13		17629	ADAPTER, 90 DEG #4 JIC, MALE X 1/8 NPTF, MALE
	9	4		17629	ADAPTER, 90 DEG #4 JIC, MALE X 1/8 NPTF, MALE
	9	15		17629	ADAPTER, 90 DEG #4 JIC, MALE X 1/8 NPTF, MALE
	10	1		10547	COUPLING-PIPE, 3/4 NPT
S	20	1		*55563*	VENT VALVE KIT
	27	1		17491	BUSHING-HEX, 1/2 NPT X 3/8 NPT FS 6000 PSI
	28	1		25177	TEE-STREET 3/8 NPT
	29	1		1015712	BUSHING, 3/8 NPT X 1/4 NPT FS 6000PSI HEX
	30	1		20081	GAUGE-PRESS, OIL, MECH 0-5000 PSI
	31	1		53369-0806	ADAPTER, 90 ORS/NPTF #8 ORS X 3/8 NPTF
	32	1		84317C-049	HOSE ASSY FC310-08 49" LG W/FJ9891 & FJ9893 FTGS
	33	1		51701	SWITCH, PRESSURE
	34	1		1001311	ADAPTER, 90 DEG ELBOW 3/8 NPT X 1/4 NPT
	37	1		53378-0808	ADAPTER-TEE, BRANCH #8 ORS , MALE X #8 ORS, FEM BRNCH, SWVL
	38	1		84317A-107	HOSE ASSY FC310-04 107" LG W/ FJ9891 & FJ9893 FTGS
	39	14	IN	53322	TRIM-EDGES
	40	16		10017	CAPSCR, HX, 3/8-16NC X 2-1/4 GR 5
	41	16		10164	WASHER, FL, 3/8 X 1 OD, ZP

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*SEE SERVICE PARTS

TEREX UNIT RIG

AUTO LUBE ASSEMBLY

A86200E

A86200E

ITM	QTY	UM	COMPONENT	DESCRIPTION
42	16		17413	NUT-HEX, FLXLC 3/8-16
44	2		17481	PLUG-PIPE 3/8 NPT 2,000 PSI FS SQ
44	1		17481	PLUG-PIPE 3/8 NPT 2,000 PSI FS SQ
45	1		53367-0806	ADAPTER, STR ORS/NPTF #8 ORS X 3/8 NPTF
45	2		53367-0806	ADAPTER, STR ORS/NPTF #8 ORS X 3/8 NPTF
45	1		53367-0806	ADAPTER, STR ORS/NPTF #8 ORS X 3/8 NPTF
46	5		24262	ADAPTER, NIPPLE, HEX 3/8 NPTF, MALE
46	3		24262	ADAPTER, NIPPLE, HEX 3/8 NPTF, MALE
48	1		53386-0808	ADAPTER-TEE, BULKHEAD, RUN #8 ORS, BULKHEAD RUN X #8 ORS, MALE
48	1		53386-0808	ADAPTER-TEE, BULKHEAD, RUN #8 ORS, BULKHEAD RUN X #8 ORS, MALE
49	13		18939	TUBE CLAMP, 1" ID CLOSED
51	9		948634	PAD, BOLTING 3/8 NC 3/4 OD X 3/4 LG
56	8		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
56	5		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
56	8		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
56	13		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
57	13		10180	WASHER, LK, HELI, 3/8 X .683 OD
57	15		10180	WASHER, LK, HELI, 3/8 X .683 OD
57	10		10180	WASHER, LK, HELI, 3/8 X .683 OD
57	8		10180	WASHER, LK, HELI, 3/8 X .683 OD
58	5		10164	WASHER, FL, 3/8 X 1 OD, ZP
58	8		10164	WASHER, FL, 3/8 X 1 OD, ZP
58	13		10164	WASHER, FL, 3/8 X 1 OD, ZP
59	3		10017	CAPSCR, HX, 3/8-16NC X 2-1/4 GR 5
59	4		10017	CAPSCR, HX, 3/8-16NC X 2-1/4 GR 5
60	4		17413	NUT-HEX, FLXLC 3/8-16
60	2		17413	NUT-HEX, FLXLC 3/8-16
61	1		84317C-145	HOSE ASSY FC310-08 145" LG W/FJ9891 & FJ9893 FTGS

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TEREX
UNIT RIG

AUTO LUBE ASSEMBLY

A86200E

ITM	QTY	UM	COMPONENT	DESCRIPTION
62	1		84315C-300	HOSE ASSY FC310-08 300"LG W/FJ9891 FTGS
63	1		84317C-097	HOSE ASSY FC310-08 97"LG W/FJ9891 & FJ9893 FTGS
67	24		23132	CAP COVER
67	14		23132	CAP COVER
71	1		84315C-096	HOSE ASSY FC310-08 96"LG W/FJ9891 FTGS
72	1		84315C-063	HOSE ASSY FC310-08 63"LG W/FJ9891 FTGS
75	1		1028467	CONNECTOR TUBE W/COMP FITTINGS
76	1		947811	ADAPTER, 90 DEG #16 JIC, MALE X 1 NPTF, MALE
77	1		1001156	ADAPTER, 90 DEG #8 JIC, MALE X 3/4 NPTF, MALE
78	1		81612C	CLIP-MOUNTING
79	1		21772	ADAPTER, BULKHD STR #16 JIC, MALE
80	1		1044473	ADAPTER, 45 DEG #8 JIC, MALE X 3/4 NPT, MALE
82	2		18900	ADAPTER, 45 DEG 1/8 NPTF, MALE
82	2		18900	ADAPTER, 45 DEG 1/8 NPTF, MALE
83	1		12349	PLUG-PIPE 3/4 NPT
85	1		85986E	NAMEPLATE (ENGLISH) AUTOLUBE GREASE
86	2		981877	SCR, DRIVE #4 X 5/16 LG
88	4		10063	CAPSCR, HX, 3/4-10NC X 2 GR 5
89	4		12185	NUT-HEX, FLXLC, 3/4-10
100	1		10206	BUSHING, 2 NPT X 1 NPT FS 6000PSI HEX
101	10		18902	CLAMP-CUSHION 1/2
101	20		18902	CLAMP-CUSHION 1/2
102	10		17143	CLAMP-CUSHION 1-9/16
103	2		21303	ADAPTER, BULKHD STR #4 JIC, MALE
104	1		19083	CLAMP-CUSHION 3/4
104	4		19083	CLAMP-CUSHION 3/4
104	12		19083	CLAMP-CUSHION 3/4
105	40		18402	TIE, WRAP HEAVY DUTY 3/16 TO 3-1/2 BUNDLE
107	2		17691	HOSE ASSY 211-04 43" LG W/319-04 FTGS
108	2		21678	HOSE ASSY 211-04 74" LG W/319-04 FTGS

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TEREX UNIT RIG

AUTO LUBE ASSEMBLY

A86200E

ITM	QTY	UM	COMPONENT	DESCRIPTION
109	2		51793	HOSE ASSY 211-04 150"LG W/319 FITTINGS
110	2		29715	HOSE ASSY 211-04 42" LG W/319-04 FTGS
111	2		20805	HOSE ASSY 211-04 105" LG W/319-04 FTGS
112	2		17709	HOSE ASSY 211-04 112"LG W/319-04 FTGS
113	2		24811	HOSE ASSY 211-04 94" LG W/319-04 FTGS
114	2		17695	HOSE ASSY 211-04 62"LG W/319-04 FTGS
115	2		20481	HOSE ASSY 211-04 84" LG W/319-04 FTGS
116	2		17695	HOSE ASSY 211-04 62"LG W/319-04 FTGS
117	2		20077	HOSE ASSY 211-04 90"LG W/319 FTGS.
118	1		21692	HOSE ASSY 211-04 65" LG W/319-04 FTGS
119	1		20643	HOSE ASSY 211-04 52" LG W/319-04 FTGS
120	2		25625	HOSE ASSY 211-04 243" LG W/319-04 FTGS
121	1		25205	HOSE ASSY 211-04 186" LG W/319-04 FTGS
122	1		21134	HOSE ASSY 211-04 55" LG W/319-04 FTGS
123	1		29216	HOSE ASSY 211-04 75" LG W/319-04 FTGS
124	1		20482	HOSE ASSY 211-04 92"LG W/319 FTGS.
125	2		22767	HOSE ASSY 211-04 200"LG W/319 FTGS
126	2		1024127	HOSE ASSY 211-04 250 LG W/319 FTGS
127	1		1050618	HOSE ASSY 211-04 236"LG W/319 FTGS
128	1		20586	HOSE ASSY 211-04 165" LG W/STR JIC FTGS
129	1		51604	HOSE ASSY 211-04 109" LG W/ 319-4 FTGS
130	1		1024127	HOSE ASSY 211-04 250 LG W/319 FTGS
131	1		24837	HOSE ASSY 211-04 182" LG W/319-04 FTGS
132	1		84303B-064	HOSE ASSY FC211-06 64"LG W/STRAIGHT ORS & 90 DEG ORS FTGS
133	1		53363-0406	ADAPTER, 90 DEG #4 ORS MALE X #6 O-RING MALE

A86200E

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E.N. NO.

TEREX UNIT RIG

AUTO LUBE ASSEMBLY

A86200E

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	134	1		53373-0612	ADAPTER, STR, REDUCER #6 ORS MALE X #12 ORS FEMALE
	135	1		53564	HOSE ASSY 211-08 390 LG W/319-08 FTGS.
	136	1		53565	HOSE ASSY FC300-16 427 LG W/411-16 FTGS.
S	137	8	*	84211E*	CLAMP-SUPPORT ASSY .75 ID
	138	6		10330	PLUG-PIPE, 1/8 NPT
	139	1		53363-0404	ADAPTER-90 DEG #4 ORS, MALE X #4 O-RING, MALE
	143	1		84516B	SUPPORT, VENT VALVE
	147 R	1		NOT-USED	PART NOT USED
	149	2		52403	PLUG, PIPE, 1/4NPT 3000 PSI FS SQ
	151	4		52158	CAPSCR, HX, 1/4-20NC X 1 GR 8
	152	1		56356	GASKET-GREASE PUMP
	169	1		10331	PLUG, PIPE 1/4 NPT 2000 PSI-SQ HEAD
	175	10		18402	TIE, WRAP HEAVY DUTY 3/16 TO 3-1/2 BUNDLE
S	176	4	*	84211K*	CLAMP-SUPPORT ASSY 1.50 ID
S	177	4	*	84211F*	CLAMP-SUPPORT ASSY .875 ID
	178	8		10023	CAPSCR, HX, 3/8-16NC X 4-1/2 GR 5
	180 R	1		N86200R	ASSY NOTE: NO DWG MOUNT REMOTE FILL AND OVERFLOW HOSE(IF EQUIPPED) AT RIGHT FRONT CORNER.
	182	1		57151	O-RING
	199 R	1		A86200	DWG ONLY, AUTO LUBE

A86200E

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E.N. NO.

MT4400/MT4400AC W/HYDR. DRVN LUBE PUMP (ROTARY MTR).
REMOTE FILL INSTALLED ON RIGHT FRONT WITH OVERFLOW HOSE.
RESERVOIR CAPACITY APPROX. 133# OF GREASE.
LID INCORPORATES O-RING SEAL
NO SERVICE NOZZLES

*SEE SERVICE PARTS

TEREX UNIT RIG

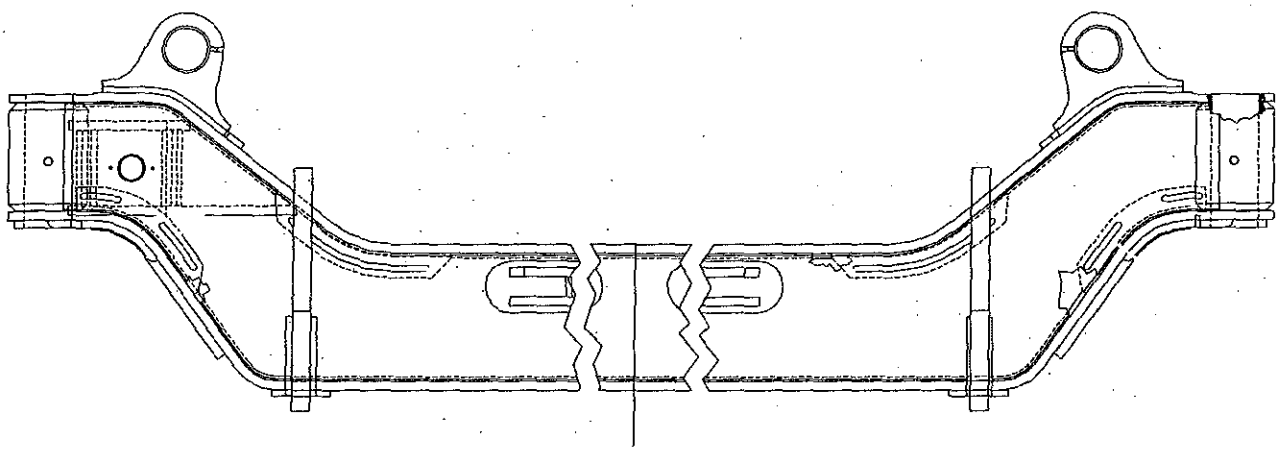
AUTO LUBE ASSEMBLY

A86200E

SECTION 7 - RUNNING GEAR

DESCRIPTION	ASSEMBLY
AC Wheelmotor	85791A
Axle Assembly-Front	A85224D
Axle Box Mounting Assembly	A85221H
Axle Box with BP (Mach)	A85890A
Beam-Front Axle (Mach)	83650A
Cap Assembly, Hub	A85440B
Front Axle Assembly	A85224D
Front Axle Beam (Mach)	83650A
Front Suspension Assembly	A85225W
Front Wheel Assembly	A86352B
Hub Cap Assembly	A85440B
Hubodometer, 40X57 miles	23543
Mechanical Steering Assembly	A86052K
Motorized AC Wheel	85791A
Rear Suspension Assembly	A85063R
Rim Assembly, 32 x 57 x 6 Topy	A84482EE
Sensor Assembly - Speed, Front	A85892A
Speed Sensor Assembly, Front	A85892A
Steering Assembly, Mechanical	A86052K
Suspension Assembly, Front	A85225W
Suspension Assembly, Rear	A85063R
Wheel Assembly-Front	A86352B
Wheelmotor Assembly	A83829Z
Wheelmotor, AC	85791A

ASSEMBLY 83650A, FRONT AXLE ASSEMBLY
contains proprietary information.
If more information is necessary please contract your
Terex Mining / Unit Rig representative.

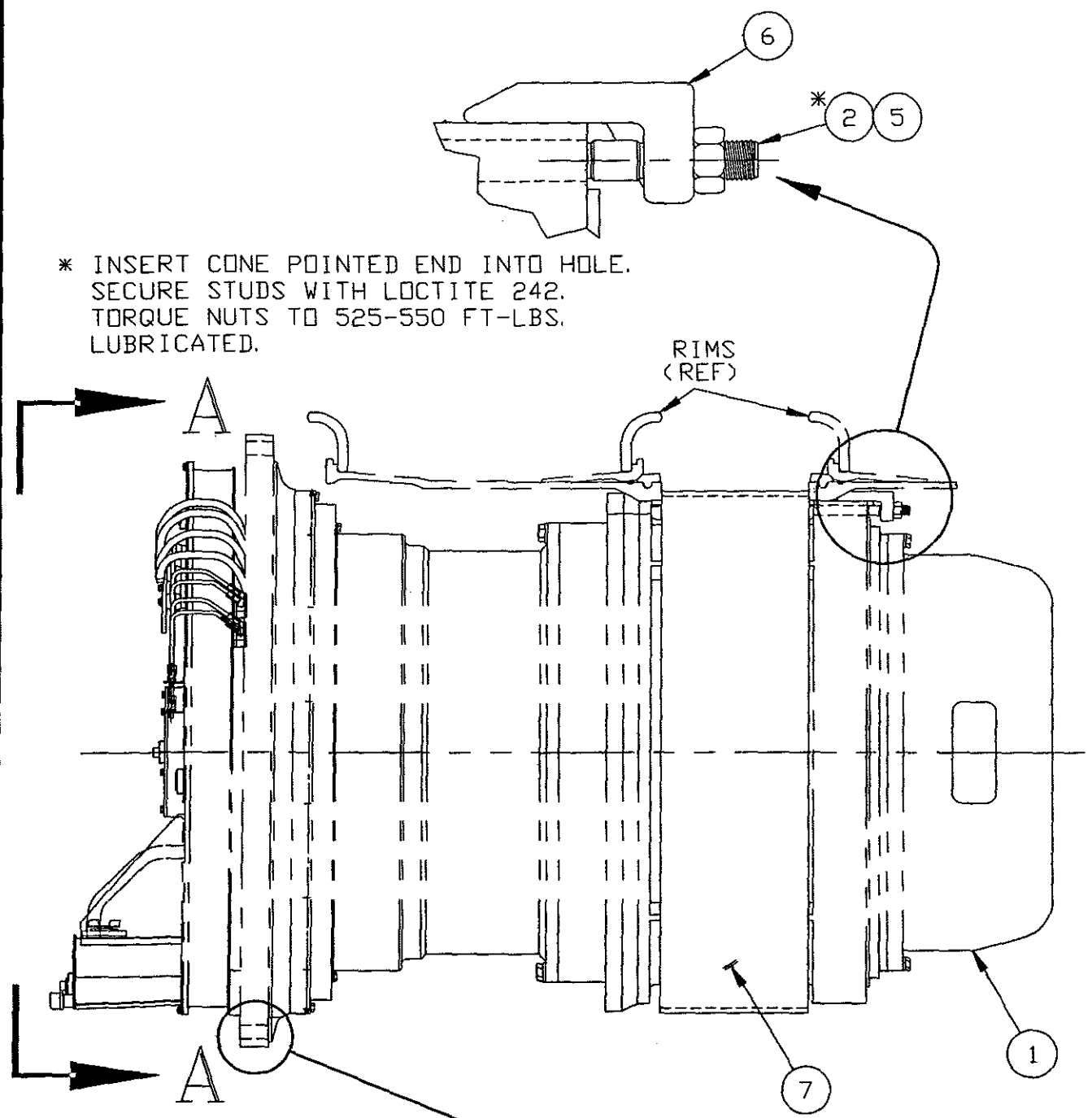


TEREX | UNIT RIG **ENGINEERING**	FRONT AXLE ASSEMBLY	83650A E.N. 95256 | SHEET 1 OF 1

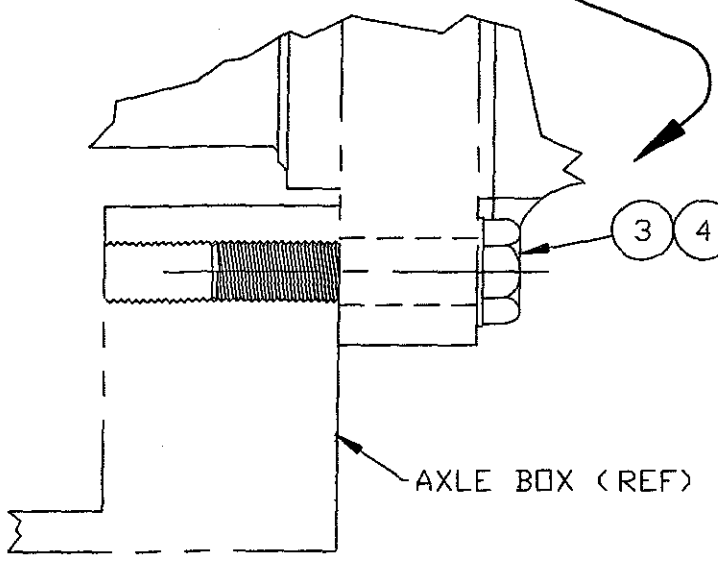
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ENG. APP. DODEN
REL. CK. ELLIS



* INSERT CONE POINTED END INTO HOLE.
SECURE STUDS WITH LOCTITE 242.
TORQUE NUTS TO 525-550 FT-LBS.
LUBRICATED.



TORQUE ITEM 4 TO 1250-1400 FT. LBS.

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TEREX MINING

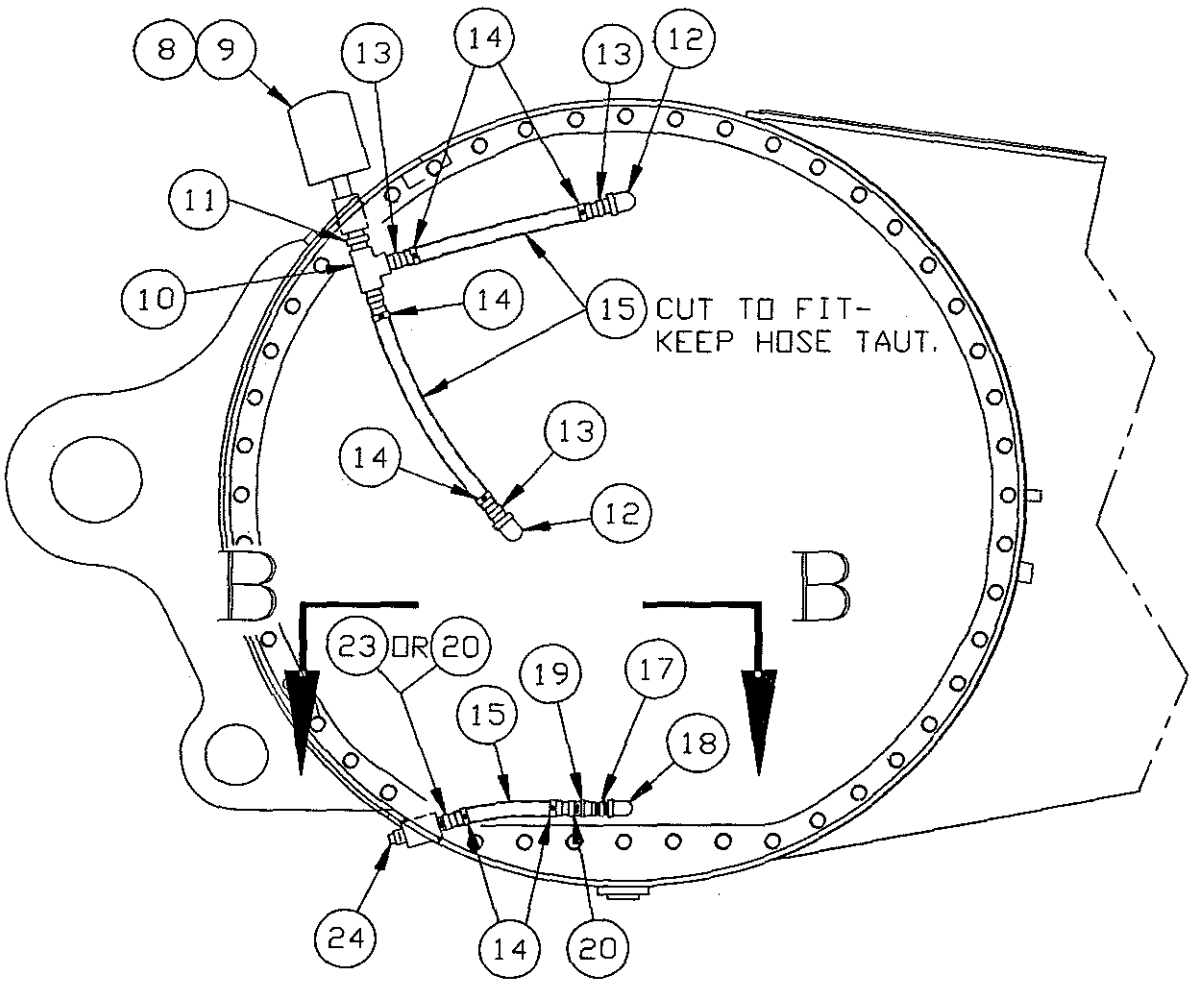
WHEEL MOTOR ASSEMBLY

SHEET 1 OF 2

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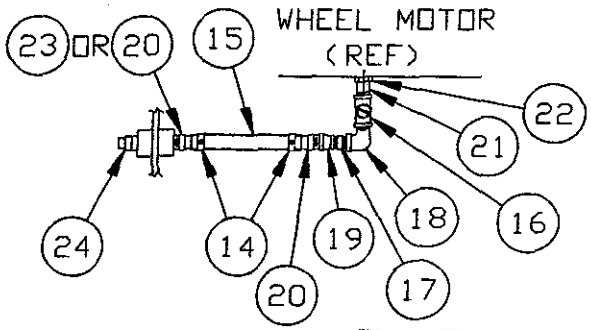
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VIEW A–A

SYMMETRICAL ABOUT TRUCK CENTERLINE

ITEM 15 INITIAL CUT LENGTHS				
WHEEL MOTOR	BREATHER HOSES		SUMP DRAINS	
	UPPER(2)	LOWER(2)	LEFT	RIGHT
776HS 791 or B23 776KS 788 787 or B25	26 26 21	25 25 30	10 10 12	16 16 12



VIEW B–B

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REL. CK.

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E.N. NO.

TEREX MINING

WHEEL MOTOR ASSEMBLY

SHEET 2 OF 2

A83829

ITM	QTY	UM	COMPONENT	DESCRIPTION
1 R	2		WHEEL	SEE TRUCK SPEC
2	48		85138A	STUD W/HEX DRIVE 1-14 X 7.5 OAL
3	96		17026	WASHER, FL, HARDND, 1-1/4 X 2.750 OD
4	96		22838	CAPSCR, HX, 1-1/4-7NC X 5 GR 8
5	48		24565	NUT, HVYHX FLG, 1-14UNS
6	24		83173H	CLAMP-WHEEL, W/ JACKOUT HOLE WITH JACKOUT HOLE.
7	2		61372G	SPACER-BAND 16 X 57 FOR 40 X 57 & 46/90R57 TIRES
8	2		24465	FILTER AIR-SPIN ON ELEMENT
9	2		55392	ADAPTER-BREATHER
10	2		10356	TEE, PIPE, 1-1/4 NPT X 1.750 MI 150PSI
11	2		19670	ADAPTER, NIPPLE, HEX 1-1/4 NPTF, MALE
12	4		52914	ELBOW-ST 45DEG 1-1/4NPT 150PSI MI
13	4		18286	NIPPLE, COMBINATION 1-1/4"
13	4		18286	NIPPLE, COMBINATION 1-1/4"
14	12		16642	CLAMP, HOSE WORM 1-5/16" TO 2-1/4"
15	175	IN	52946	HOSE-HEATER 1-1/4" I. D.
16	2		1002552	VALVE(DWG 1101762) 1"NPTF, FEMALE
17	2		52287	NIPPLE, PIPE, 1"NPT CLOSE SCH 40
18	2		16019	ELBOW-STREET, 1" NPT, 150 PSI
19	2		17611	COUPLING-PIPE RED.
20	2		950422	NIPPLE-COMBINATION
21 R	1		NOT-USED	PART NOT USED
22 R	1		NOT-USED	PART NOT USED
23	2		84746A	NIPPLE COMBINATION
24	2		10336	PLUG, PIPE 1-1/4 NPT
99 R	1		A83829	DWG ONLY, WHEEL MOTOR ASSY

787 OR GEB25 WHEEL WITH HUB FOR 57" DIA RIMS
INCLUDES:
SPACER BAND, STUDS W/HEX, CLAMPS & HARDWARE.
PLUMBING FOR BREATHERS & SUMP
LG WHEELCLAMPS W/ JACKOUT HOLE.

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A83829Z

DR. DODEN
ENG. APP. ROBINSON
REL. CK. ELLIS

94019
E.N. NO.

TEREX UNIT RIG

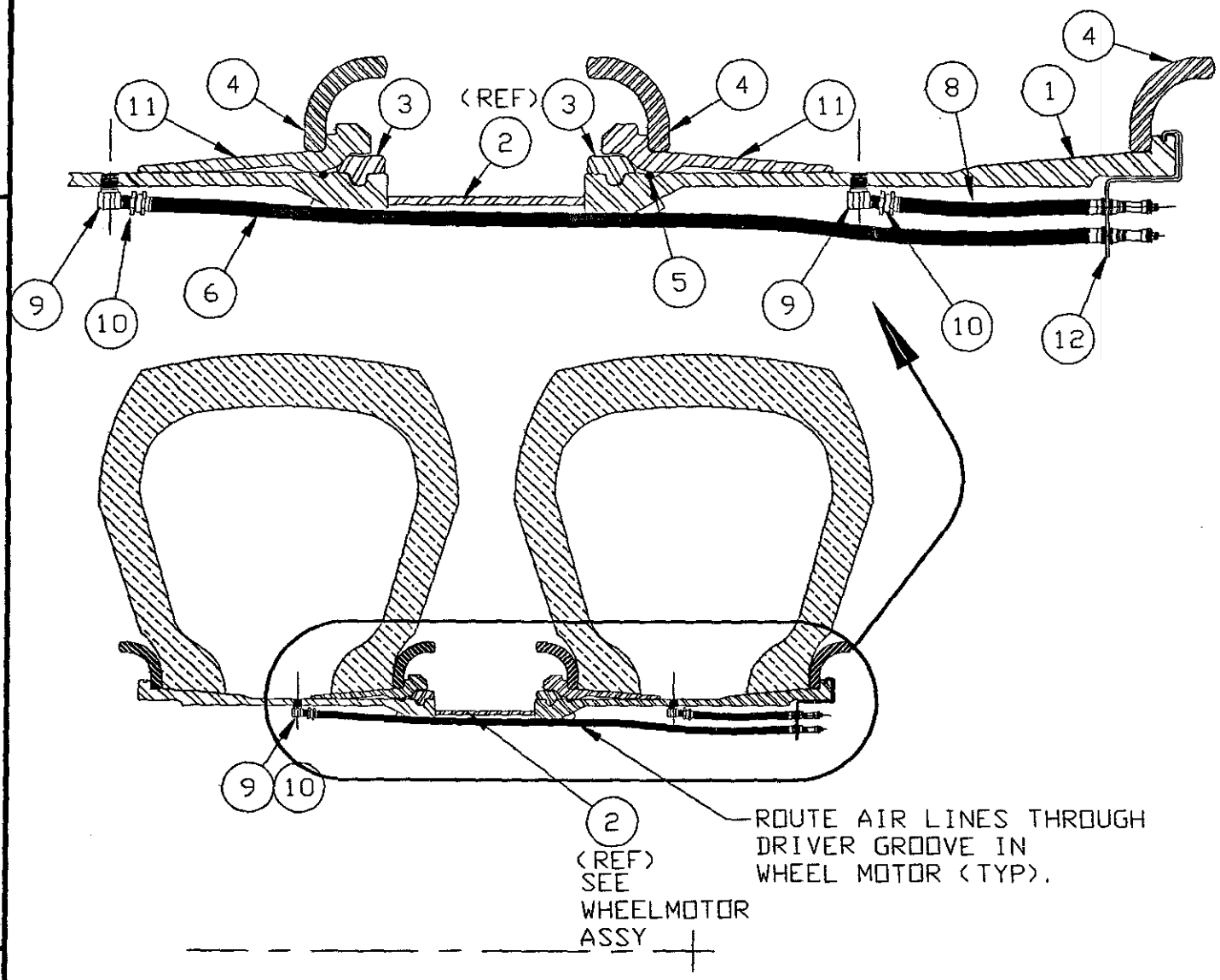
WHEEL MOTOR ASSEMBL

SHEET 1 OF 1

A83829Z

BI115389

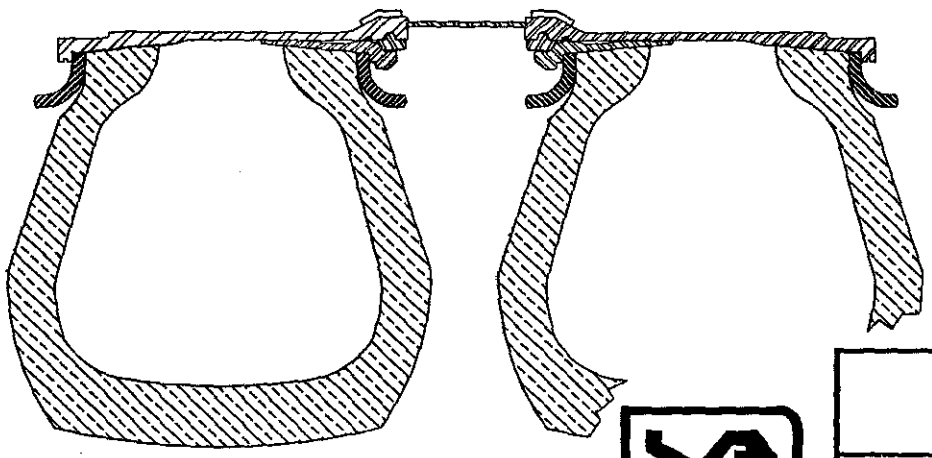
A84482



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T. DODEN
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REL. CK.

OUTBOARD



89002
E.N. NO.

UNIT RIG
CAD

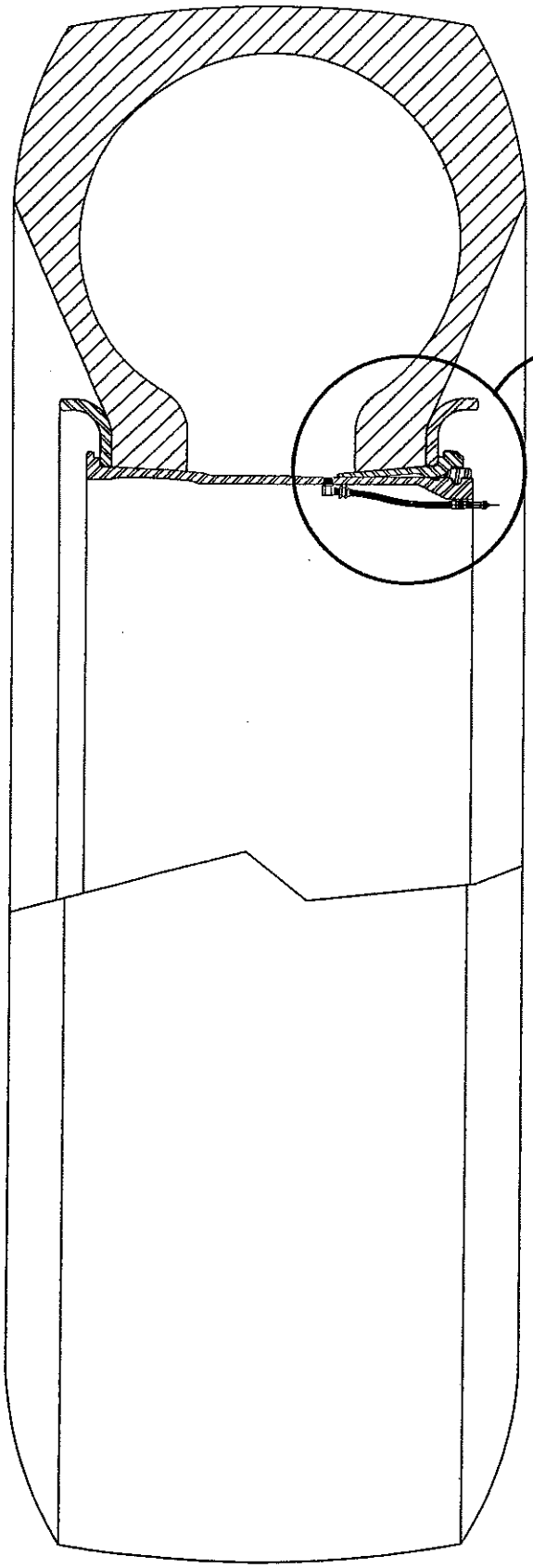
RIM ASSEMBLY

SHEET 1 OF 2
A84482

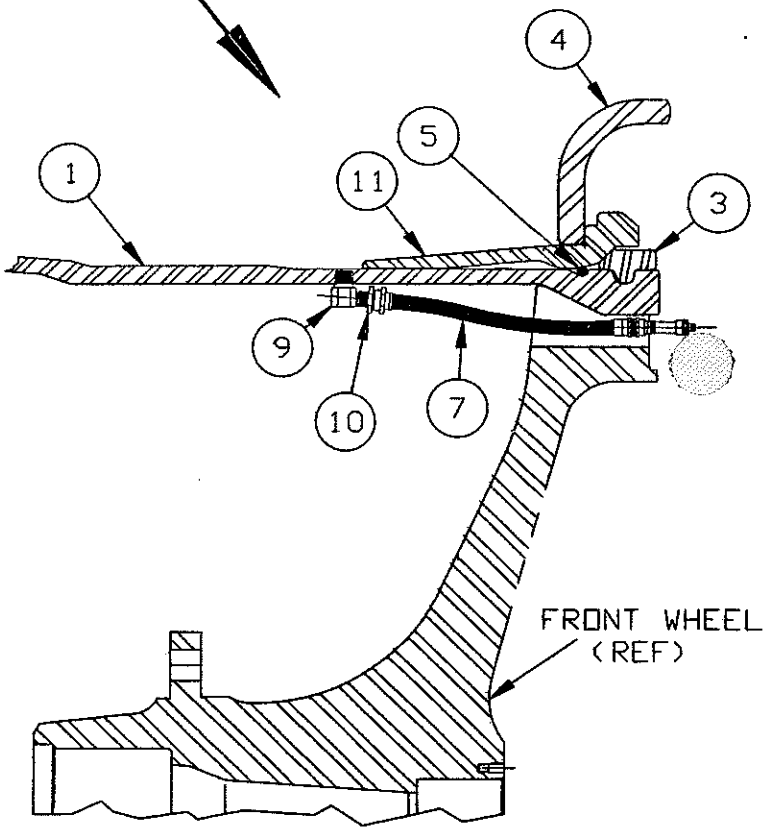
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REL. CK.



FRONT RIM
(TYP)



FRONT WHEEL
(REF)

89002
E.N. NO.

UNIT RIG
CAD

RIM ASSEMBLY

SHEET 2 OF 2
A84482

ITM		QTY	UM	COMPONENT	DESCRIPTION
1	R	6		57073	RIM BASE, 32X57 TOPY
2	R	2		61372G	SPACER-BAND 16 X 57 FOR 40 X 57 & 46/90R57 TIRES
3	R	6		57078	LOCK RING 57" TOPY
4	R	12		57075	FLANGE, 57 X 6 TOPY
5		6		22775	SEAL-RIM 57"
S 6		2		56779	STEM-VALVE, 66-1/2" LG
S 7		2		56778	STEM-VALVE, 16" LG
S 8		2		52970	STEM-VALVE, 21-3/4" LG
9		6		25187	SPUD-ANGLE
10		6		902990	LOCKNUT-HEX
11	R	6		57077	BEAD SEAT BAND 57 TOPY
12		2		66130V	VALVE STEM SUPPORT FOR TOPY RIMS
15		6		86314B	RIM ASSEMBLY, 32X57X6 TOPY INCLUDES BASE, LOCK RING, BEAD SEAT BAND AND 2 FLANGES.
20	R	1		A84482	DWG ONLY, RIM ASSY

32 X 57 X 6 RIMS FOR USE W/40.00 & 46/90R57 TIRES.
FOR STEER & DRIVE AXLES MT4400AC

A84482EE

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ENG. APP. ROBINSON
REL. CK. ELLIS

28
94005
93731
E.N. NO.

TEREX UNIT RIG

RIM ASSY, 32X57X6 TOPY

SHEET 1 OF 1

A84482EE

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		85971F	SEAT, PASSENGER SEATS INC. NON-SUSP. W/GRAY TWEED UPHOLSTERY W/RISER. NO ARM RESTS.
2 R	1		N84563H	ASSEMBLY NOTE - NO DWG ITEMS 2, 3, &4 ARE FURNISHED W/ITEM #1
5	4		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
6	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
10 R	1		A84563	DWG ONLY, SEAT

SEATS INC. SEAT
W/GRAY CLOTH UPHLSTRY.
W/HEAD REST & NO ARM RESTS.

A84563T

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DR. DODEN
ENG. APP. ROBINSON
REL. CK. ELLIS

94522
E.N. NO.

TEREX
UNIT RIG

SEAT ASSY, PASSENGE

SHEET 1 OF 1

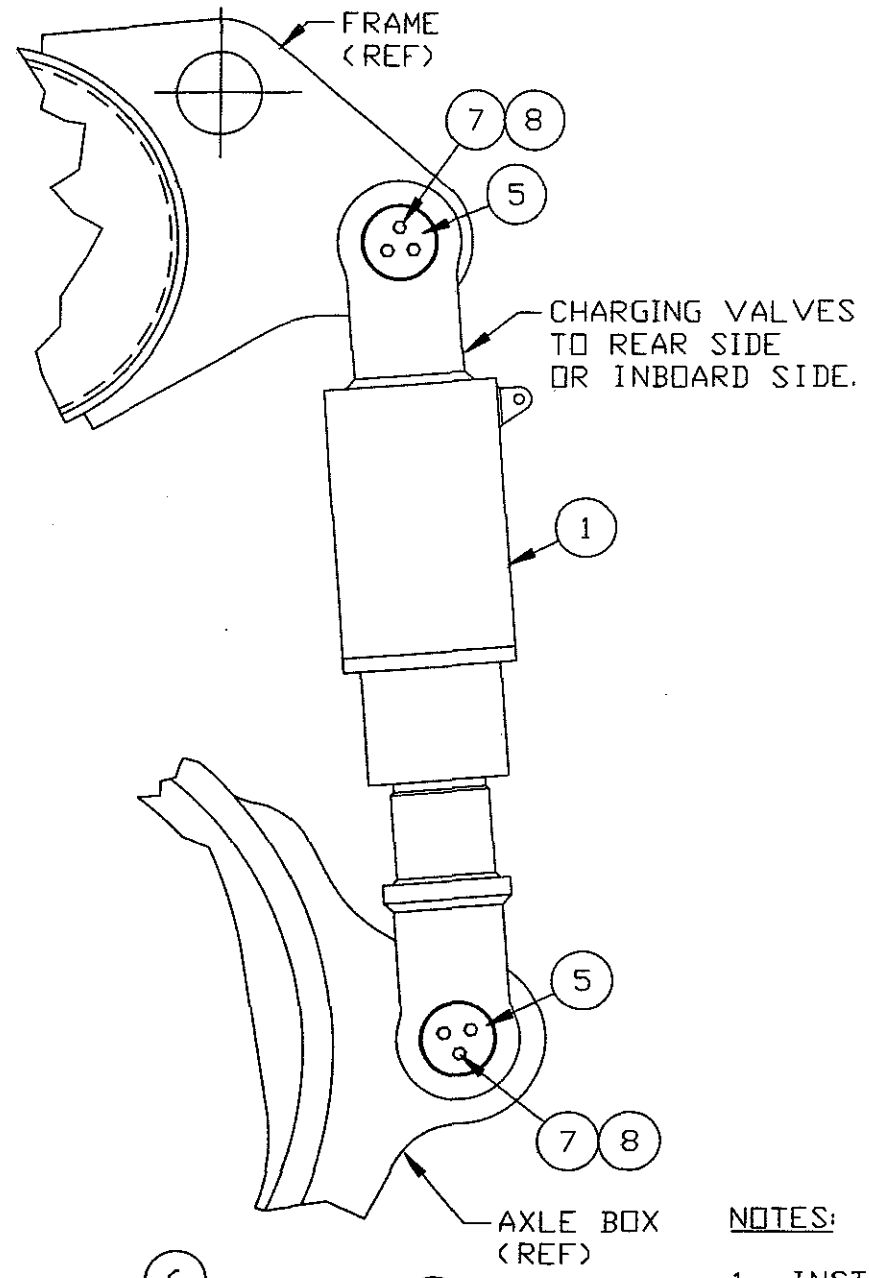
A84563T

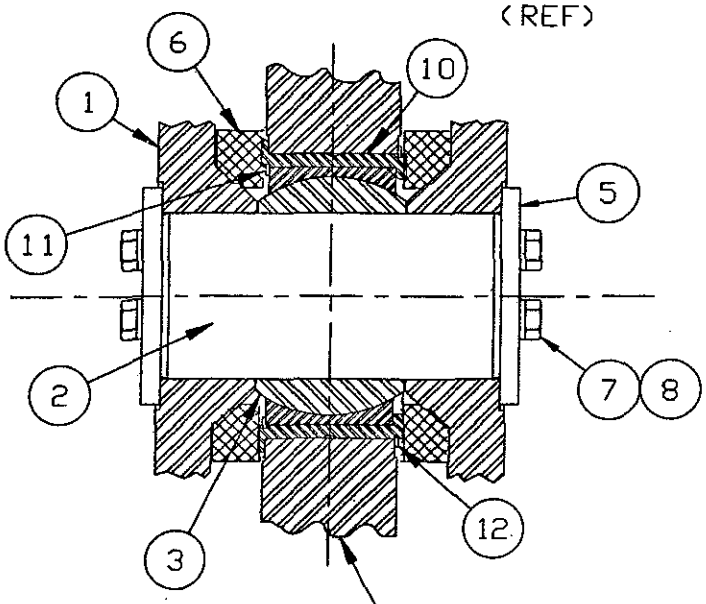
A85063

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DR. BORTHICK
ENG. APP. FUJAN
REL. CK. ELLIS

95611
92849
92757
90553
E.N. NO.





NOTES:

1. INSTALL SLEEVES & SPHERICAL BEARINGS ACCORDING TO T5123.
2. COAT SPHERICAL AND BORE SURFACES OF BEARINGS WITH CHASSIS GREASE (T5124) BEFORE INSTALLING PINS.

TEREX
UNIT RIG

REAR SUSPENSION ASSEMBLY

SHEET 1 OF 1

A85063

A85063R

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		55896	SUSPENSION, REAR
2	2		83043B	PIN, 6"
3	1		55499	BEARING, SPHERICAL 6"
3	1		55499	BEARING, SPHERICAL 6"
5	4		78248C	RETAINER, PIN
6	4		55389	RING, DIRT
7	4		18978	CAPSCR, HX, 1-8NC X 1-1/2 GR 5
8	4		10186	WASHER, LK, HELI, 1" X 1.661 OD
10	1		86404D	SLEEVE, BEARING BORE FOR 6" SPHERICAL BEARING AND 3.438" LUG, HIGH INTERFERENCE FIT.
10	1		86404D	SLEEVE, BEARING BORE FOR 6" SPHERICAL BEARING AND 3.438" LUG, HIGH INTERFERENCE FIT.
11	2		56087-875	RING, RET. SELF LCK/INT FOR 8.750 BORE .094 X 8.972 GROOVE
11	2		56087-875	RING, RET. SELF LCK/INT FOR 8.750 BORE .094 X 8.972 GROOVE
12	2		56086-950	RING, RET. SELF LCK/EXT FOR 9.500 SHAFT .094 X 9.268 GROOVE
12	2		56086-950	RING, RET. SELF LCK/EXT FOR 9.500 SHAFT .094 X 9.268 GROOVE
20 R	1		A85063	DWG ONLY, REAR SUSPENSION ASSY

MT4400
SMR SUSPENSION.
HIGH INTERFERENCE
FIT SLEEVES AT
BEARING BORES.

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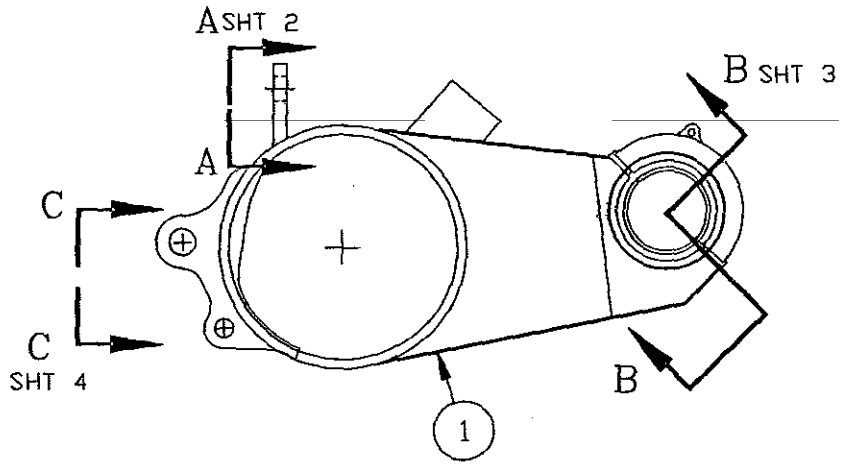
94482
E.N. NO.

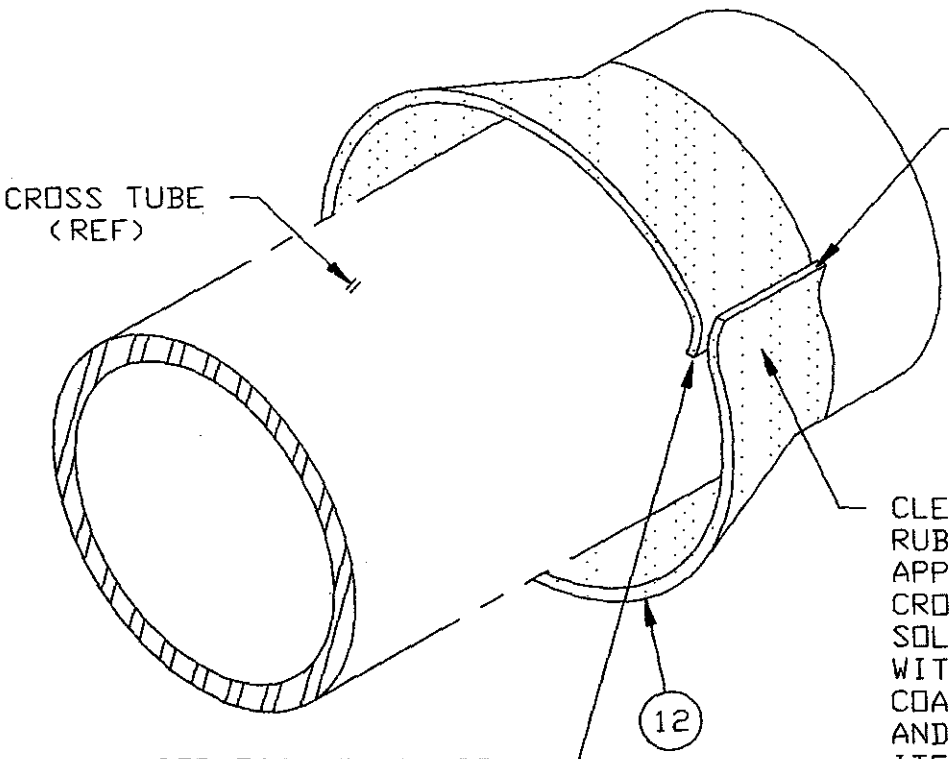
TEREX MINING

REAR SUSPENSION ASSY

SHEET 1 OF 1

A85063R





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A85221

DR. HUGGINS

ENG. APP. FUJAN

REL. CK. ELLIS

95611

1094

RED

92700

E.N. NO.

TEREX UNIT RIG

AXLE BOX MOUNTING ASSY.

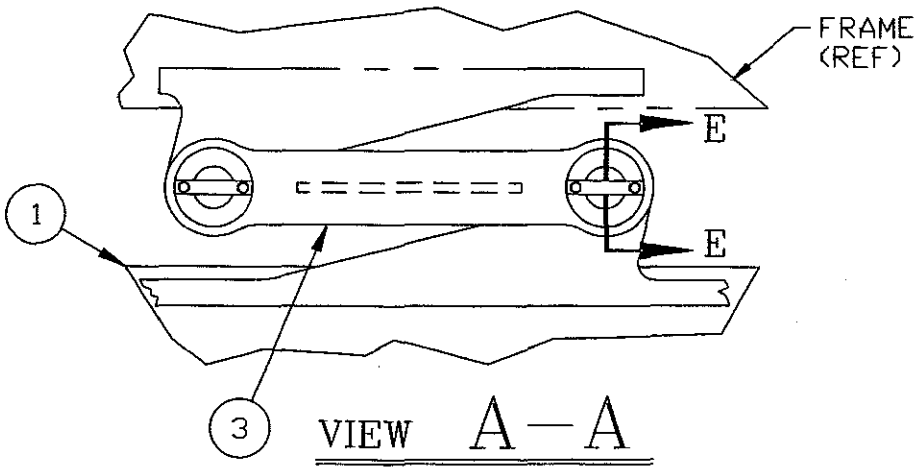
SHEET 1 OF 4

A85221

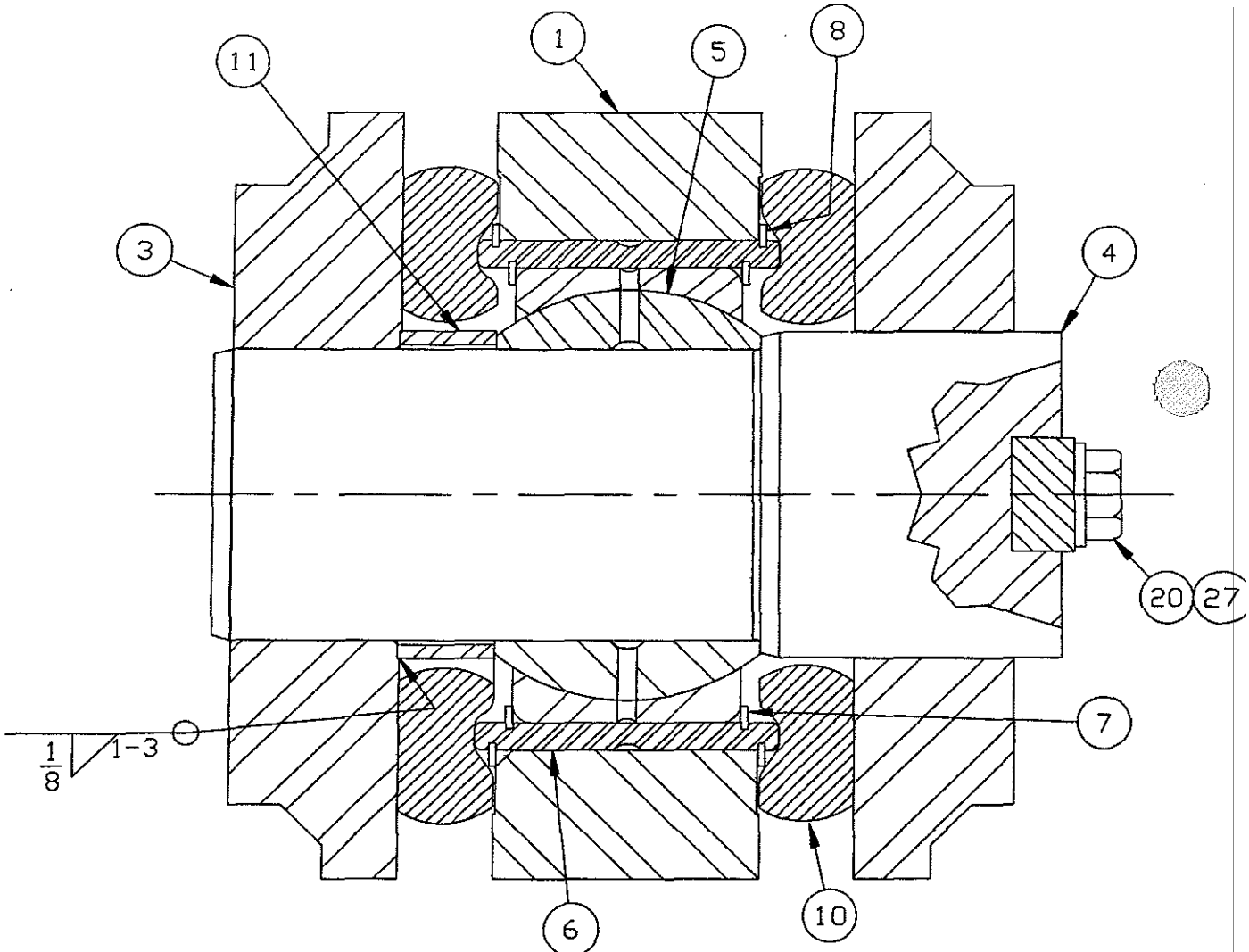
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VIEW A—A
FROM SHT 1



SEC E—E
2 PLACES

DR.
ENG. APP.
REL. CK.

95611
94094
RED
92700
E.N. NO.

NOTES:

1. INSTALL SLEEVES & SPHERICAL BEARINGS ACCORDING TO T5123.
2. COAT SPHERICAL AND BORE SURFACES OF BEARINGS WITH CHASSIS GREASE (T5124) BEFORE INSTALLING PINS.

TEREX
UNIT RIG

AXLE BOX MOUNTING ASSY.

SHEET 2 OF 4

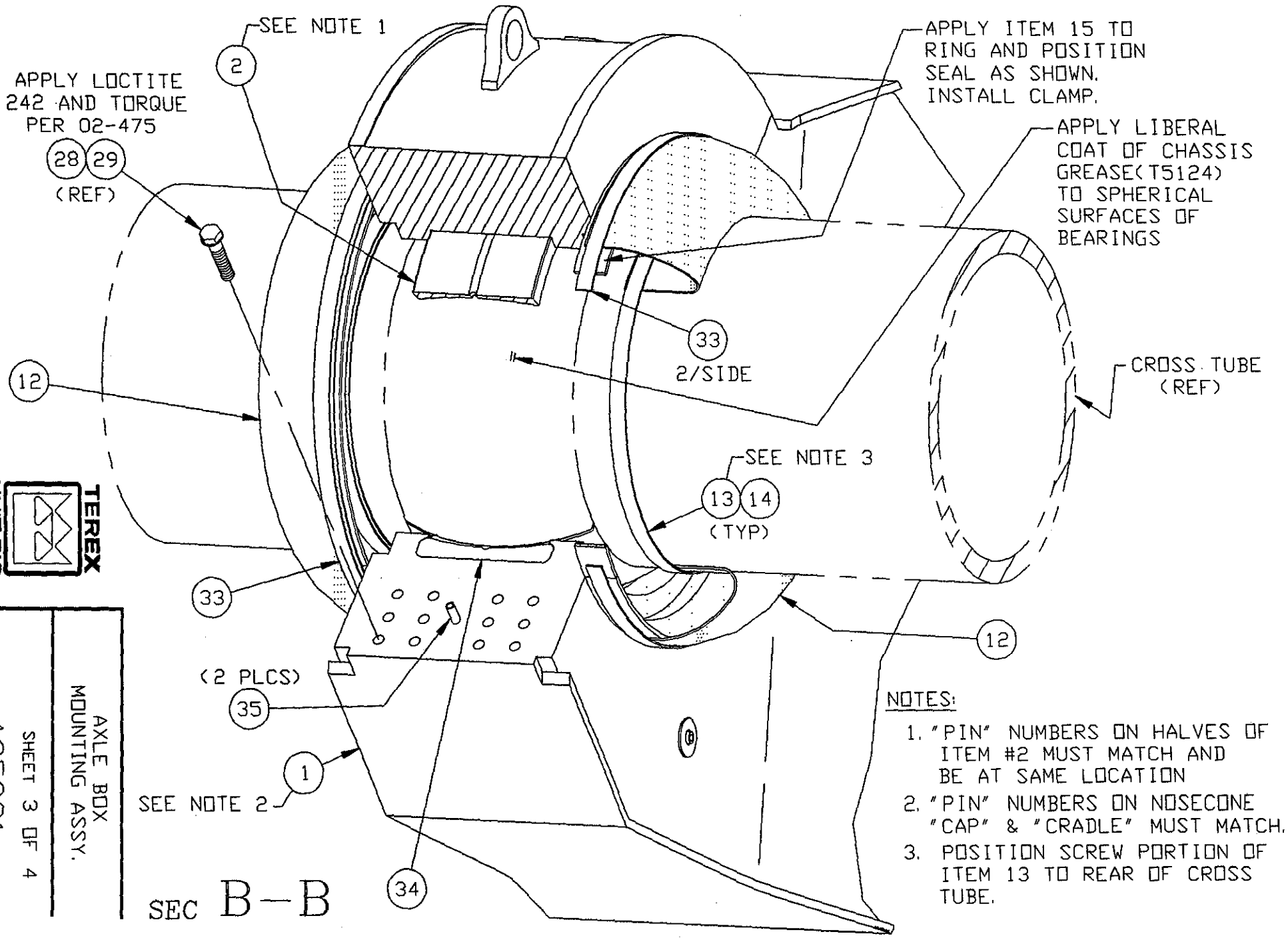
A85221

E.N. NO.	DR.	ENG. APP.	REL. CK.
92700	RED	094	95611

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ALVERT-TEREX

A85221



SEC B–B

NOTES:

1. "PIN" NUMBERS ON HALVES OF ITEM #2 MUST MATCH AND BE AT SAME LOCATION
2. "PIN" NUMBERS ON NOSECONE "CAP" & "CRADLE" MUST MATCH.
3. POSITION SCREW PORTION OF ITEM 13 TO REAR OF CROSS TUBE.

TEREX UNIT RIG

AXLE BOX MOUNTING ASSY.

SHEET 3 OF 4

A85221

BM15389

A85221

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DR.

ENG. APP.

REL. CK.

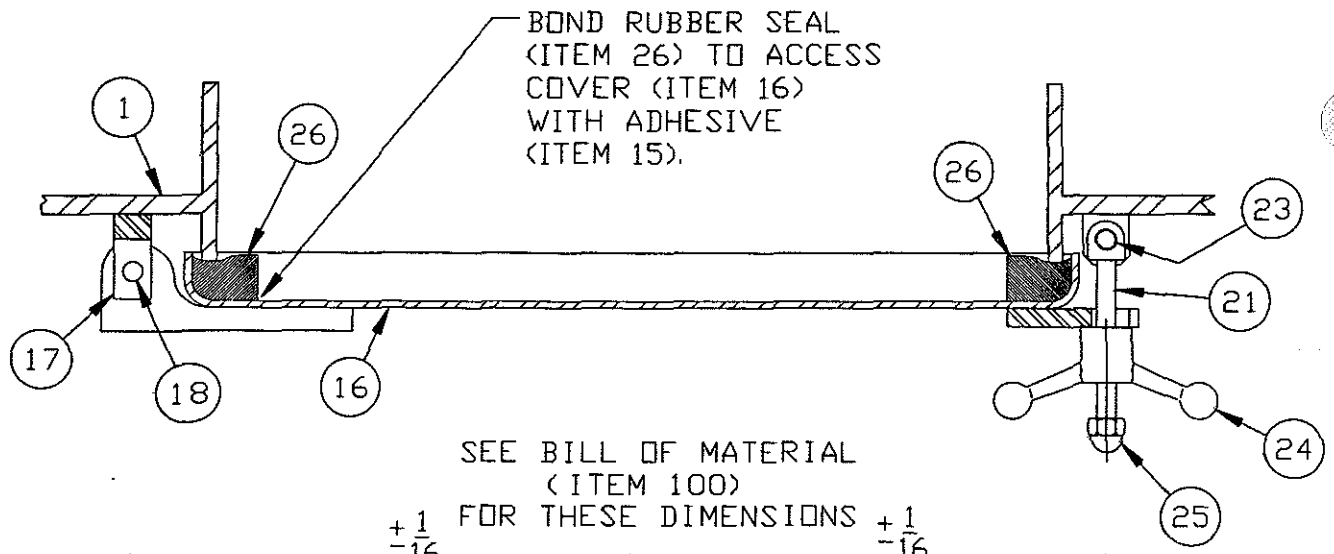
95611

94094

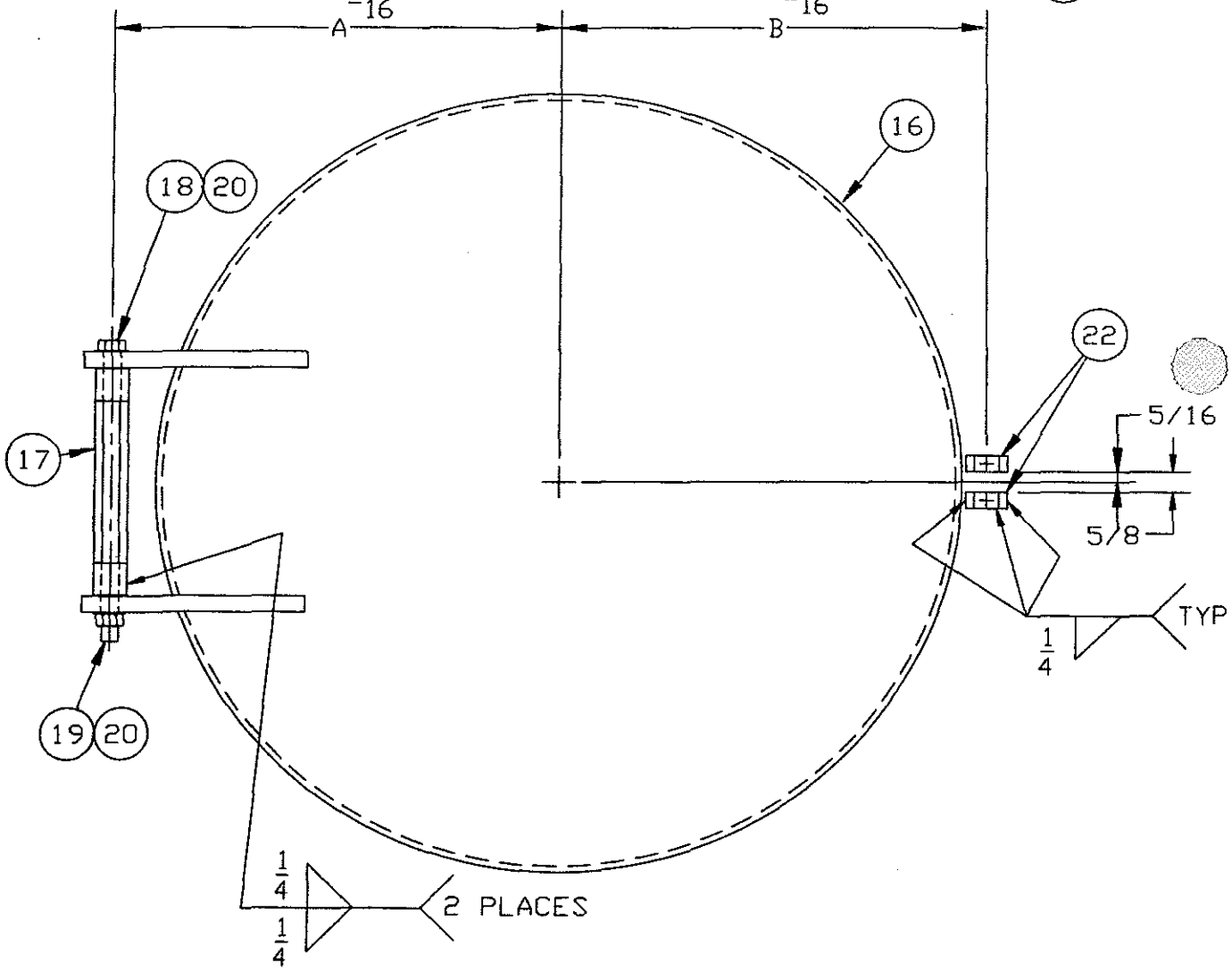
RED

92700

E.N. NO.



SEE BILL OF MATERIAL (ITEM 100) FOR THESE DIMENSIONS $\pm\frac{1}{16}$



VIEW C–C

TEREX UNIT RIG

AXLE BOX MOUNTING ASSY.

SHEET 4 OF 4

A85221

A85221H

ITM		QTY	UM	COMPONENT	DESCRIPTION
1	R	1		AXLEBOX	SEE TRUCK SPEC.
2		1		84149H	BEARING, NOSECONE (BRONZE) FOR MT4400.
3		1		83026C	ROD-PANHARD, REAR AXLE
4		2		80289G	PIN-5"
5		1		947095	BUSHING 5" SELF ALIGNING
5		1		947095	BUSHING 5" SELF ALIGNING
6		1		86404A	SLEEVE-BEARING BORE FOR 5" SPHERICAL BEARING AND 3.438" LUG, HIGH INTERFERENCE FIT.
6		1		86404A	SLEEVE-BEARING BORE FOR 5" SPHERICAL BEARING AND 3.438" LUG, HIGH INTERFERENCE FIT.
7		1		56087-775	RING, RET. SELF LCK/INT FOR 7.750 BORE .094 X 7.952 GROOVE
7		1		56087-775	RING, RET. SELF LCK/INT FOR 7.750 BORE .094 X 7.952 GROOVE
8		1		56086-850	RING, RET. SELF LCK/EXT FOR 8.500 SHAFT .094 X 8.288 GROOVE
8		1		56086-850	RING, RET. SELF LCK/EXT FOR 8.500 SHAFT .094 X 8.288 GROOVE
9		2		82714A	RETAINER, PIN
10		4		55283	RING-DIRT
11	R	2		82853C	SPACER, BEARING 5"
12		2		84161E	SEAL-BEARING (FOR 24" DIA XMBR)
13		2		51267	CLAMP-FASTENERS, ADJ
14		175	IN	51266	CLAMP BANDING
15		2		15605	ADHESIVE RUBBER 3M
16		1		61830G	COVER-ACCESS, R AXLE
17	R	1		80308B	BRACKET-AXLE BX HINGE
18		1		18782	CAPSCR, HX, 1/2-13NC X 9-3/4 GR 5
19		1		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
20		6		913745	WASHER, FL, HARDND, 1/2 X 1.000 OD
21		1		24560	BOLT, EYE, 1/2NC
22	R	2		80306A	BRACKET-EYE
23		1		20508	PIN, CLEVIS
24		1		51131	HANDLE-SPEED BALL 6IN
25		1		51133	NUT, ACORN, 1/2-13NC
26		1		51135	SEAL-CELLULAR RUBBER

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ENG. APP. FUJAN
REL. CK. ELLIS

94838
94482
E.N. NO.

TEREX UNIT RIG

AXLE BOX MOUNTING ASS'

A85221H

A85221H

ITM		QTY	UM	COMPONENT	DESCRIPTION
27		4		17744	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 8
28	R	48		25111	CAPSCR, HX, 3/4-10NC X 3-1/4 GR 8
29	R	48		65456A	WASHER, FL, HARDND, 3/4 X 1.500 OD
33		4		17921	CLAMP-HOSE, HEAVY DUTY
34		1		85764C	KEY-ANTI ROTATION (MT4400)
35	R	2		56860	PIN, COILED SPRING, 1/2 X 1.5
99	R	1		A85221	DWG ONLY, AXLE BOX MTG
100	R	1		N85221A	FAB NOTES-NO DRAWING A=13-5/16, B=12-3/4

FOR MT4400.
HAS BRONZE NOSECONE BEARING AND HIGH INTERF. SLEEVES.
INTERF. LOWERED COMPARED TO PREVIOUS ASSEMBLY

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REL. CK.

94838
94482
E.N. NO.

TEREX
UNIT RIG

AXLE BOX MOUNTING ASSY

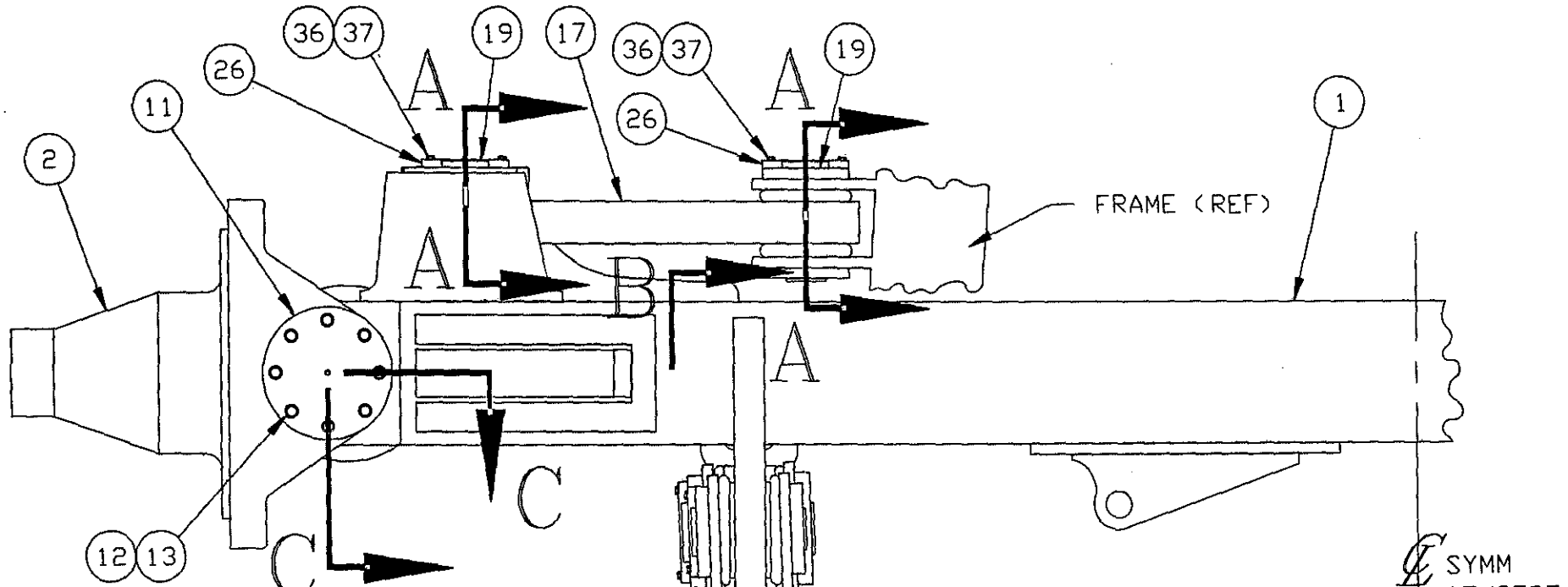
SHEET 2 OF 2

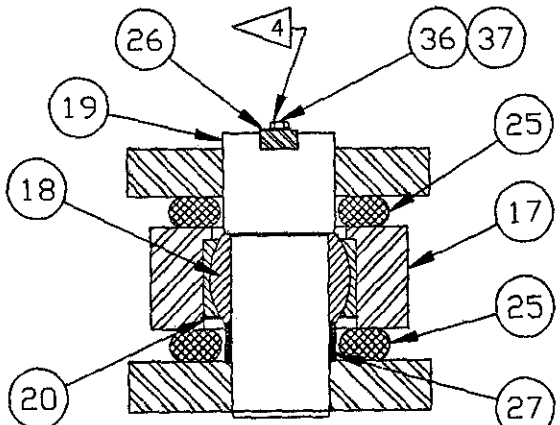
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E.N. NO.	90829	RED	53	93789	95611			ELLIS	FUJAN	LANGE
								REL. CK.	ENG. APP.	DR.

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A85224





SEC A—A

(TYP 2 PLACES)

TEREX UNIT RIG

AXLE ASSY, FRONT

SHEET 1 OF 4

A85224

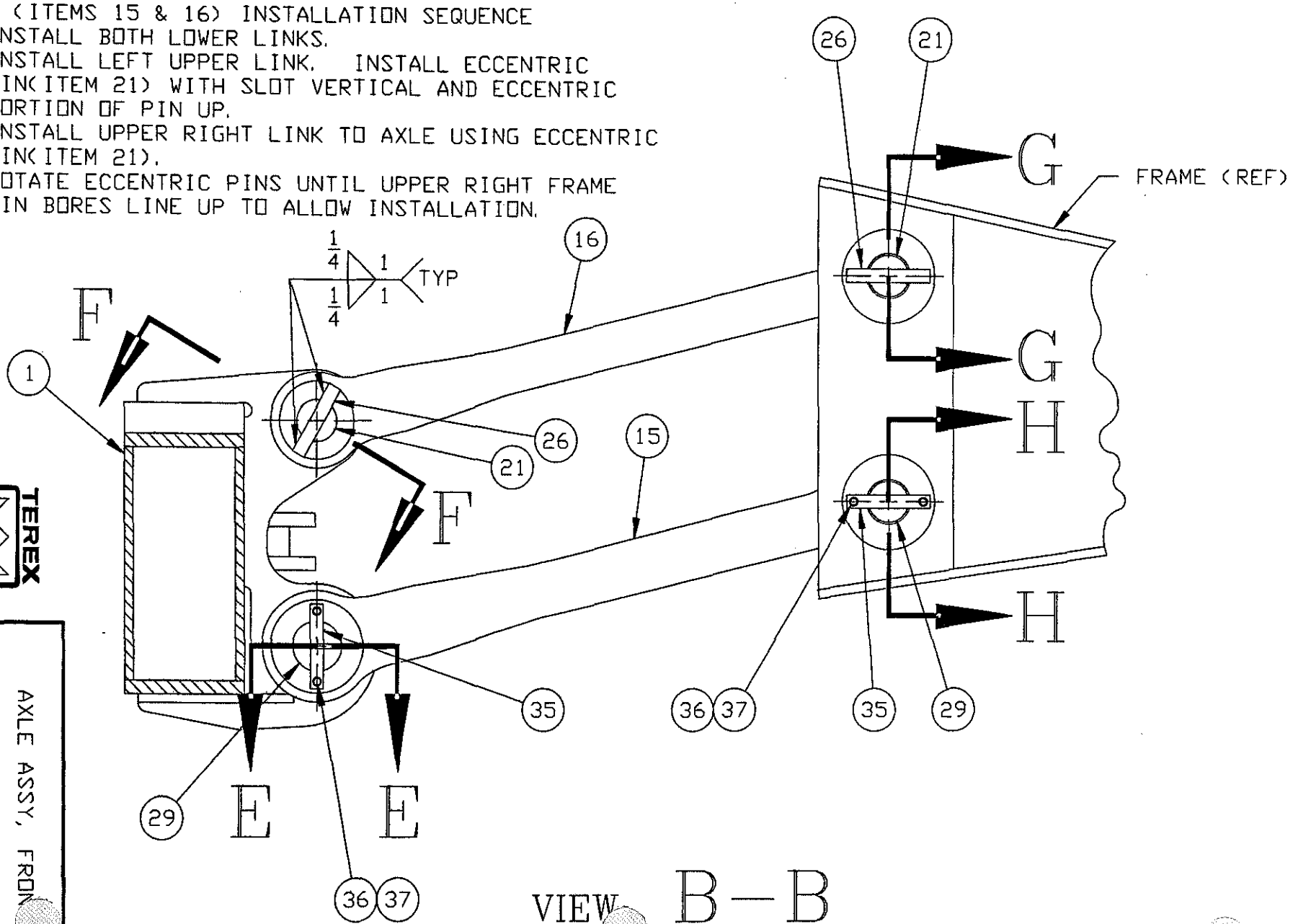
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E.N. NO.	DR.	REL. CK.	ENG. APP.
90829	LANGE		
RED			
93753			
93789			
95611			

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LINK (ITEMS 15 & 16) INSTALLATION SEQUENCE

1. INSTALL BOTH LOWER LINKS.
2. INSTALL LEFT UPPER LINK. INSTALL ECCENTRIC PIN(ITEM 21) WITH SLOT VERTICAL AND ECCENTRIC PORTION OF PIN UP.
3. INSTALL UPPER RIGHT LINK TO AXLE USING ECCENTRIC PIN(ITEM 21).
4. ROTATE ECCENTRIC PINS UNTIL UPPER RIGHT FRAME PIN BORES LINE UP TO ALLOW INSTALLATION.



VIEW B—B

TEREX UNIT RIG

AXLE ASSY, FRON

SHEET 2 OF 4

A85224

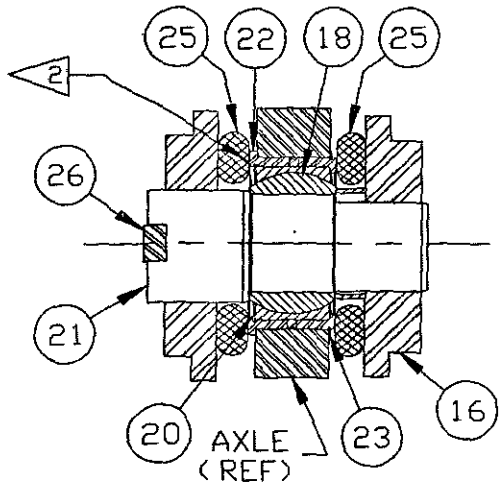
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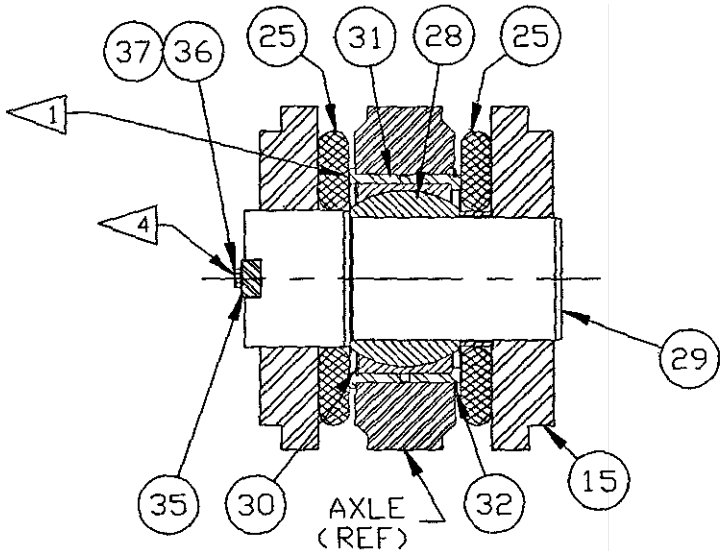
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DR. LANGE
ENG. APP.
REL. CK.

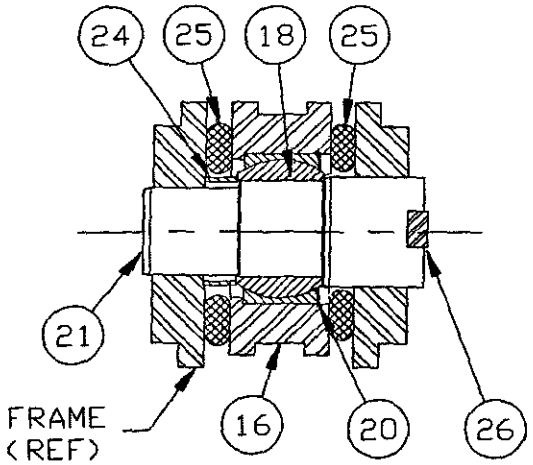
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90829
E.N. NO.



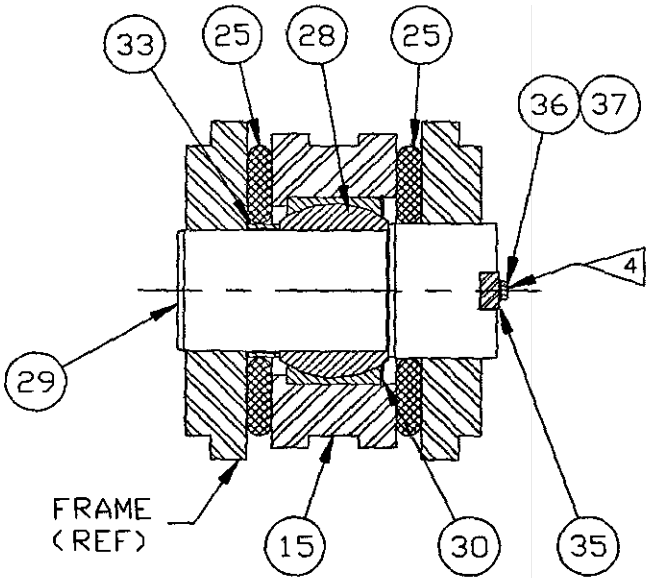
SEC F—F
(TYP 2 PLACES)



SEC E—E
(TYP 2 PLACES)



SEC G—G
(TYP 2 PLACES)



SEC H—H
(TYP 2 PLACES)

NOTES/PROCEDURE:

1. ORIENT LOWER LINK SLEEVE WITH SHOULDER ON OUTBOARD SIDE.
2. ORIENT UPPER LINK SLEEVE WITH SHOULDER ON INBOARD SIDE.
3. INSTALL SLEEVES & SPHERICAL BEARINGS ACCORDING TO T5123.
4. ADD LOCTITE 242 AT ALL PIN RETAINER CAPSCREWS
5. COAT SPHERICAL AND BORE SURFACES OF BEARINGS WITH CHASSIS GREASE (T5124) BEFORE INSTALLING PINS.

TEREX
UNIT RIG

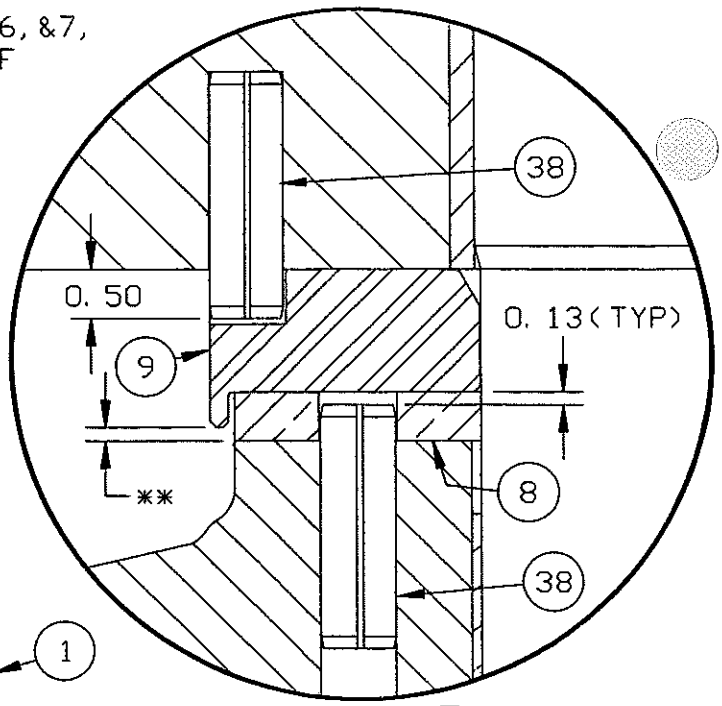
AXLE ASSY, FRONT

SHEET 3 OF 4

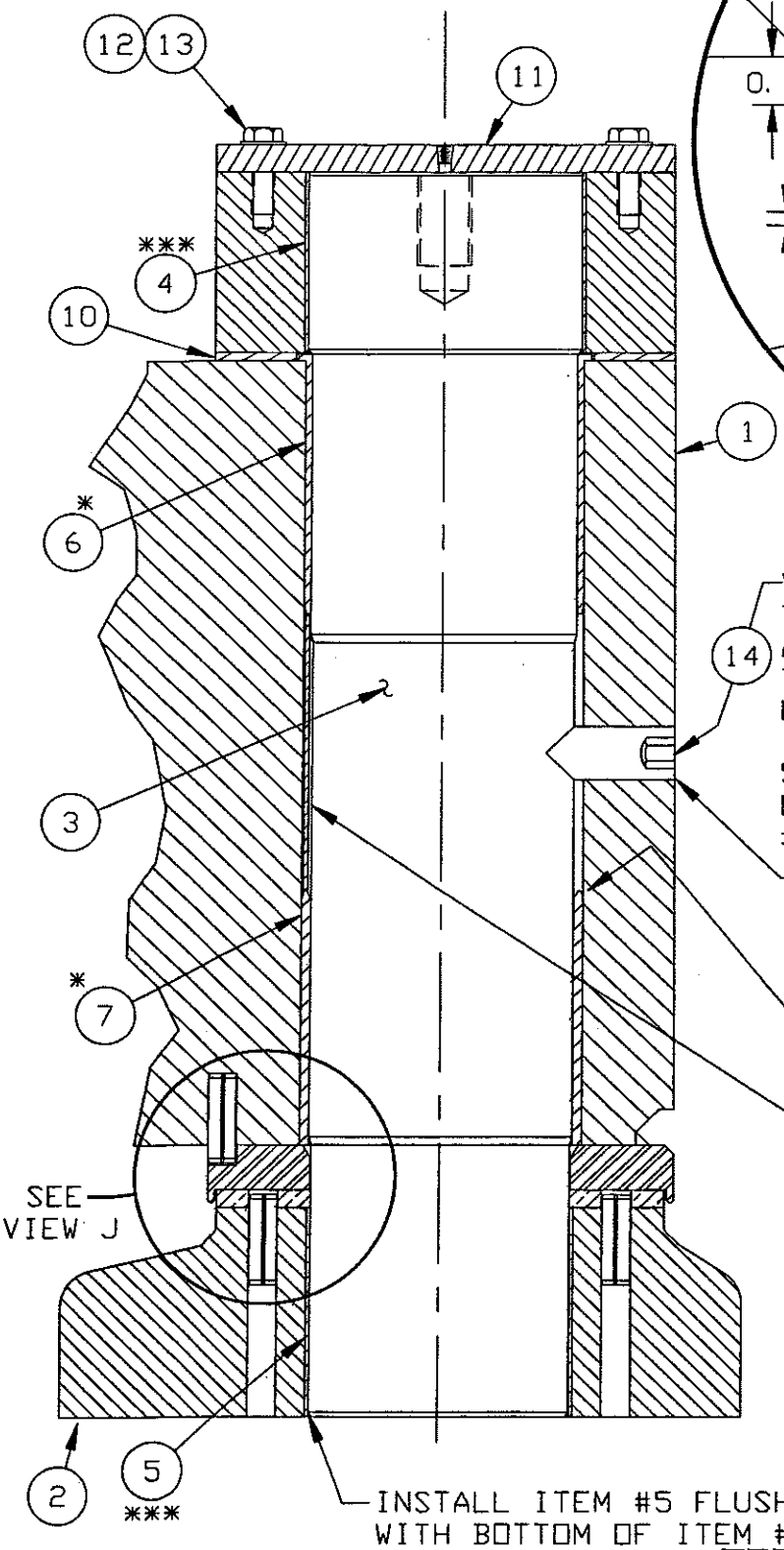
A85224

A85224

LIBERALLY COAT I. D. OF ITEMS #4, 5, 6, &7, O. D. OF ITEM #3, AND TOP SURFACE OF ITEM #8 WITH CHASSIS GREASE(T5124) BEFORE ASSEMBLY.



VIEW J



VERIFY LENGTH OF ITEM 14 PRIOR TO INSTALLATION. SEE B. O. M.
APPLY LOCTITE 242(P/N 25764) TO THE OUTBOARD 3/4" OF THE LENGTH OF ITEM 14 BEFORE INSTALLING THEN TORQUE TO 500 FT. -LB. ITEM 14 SHOULD BE FLUSH WITH SURFACE OF AXLE ±1/4 AFTER TORQUE.

APPLY LOCTITE TO PERIMETER OF ITEM 14 AFTER TORQUE TO SEAL AGAINST WATER.

INSERT CHAMFERED END OF ITEM 7 INTO SOCKET FROM BOTTOM

POSITION SPLIT IN ITEM 34 TO CLEAR ITEM 14.

INSTALL ITEM #5 FLUSH WITH BOTTOM OF ITEM #2.

* FREEZE ITEMS 6 & 7 BEFORE INSTALLING

** WHEN THIS DIM. IS 0. 030 REPLACE THRUST WASHER (ITEM 8)

*** INSTALL WITH PARTING SLIT INBOARD FOR ITEM 4 (TOP) OUTBOARD FOR ITEM 5 (BOT)

SEC C—C

FROM SHT 1

TEREX UNIT RIG

AXLE ASSY, FRON

SHEET 4 OF 4

A85224

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ENG. APP.
REL. CK.

95611
93789
93753
RED
90829
E.N. NO.

A85224D

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ALVERT-TEREX

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ENG. APP. FUJAN
REL. CK. ELLIS

ITM	QTY	UM	COMPONENT	DESCRIPTION
1 R	1		FRONTAXLE	SEE TRUCK SPEC.
2	2		83632F	SPINDLE, FRONT (MACH) FOR OIL BATH OR GREASE PACK WHEEL BEARING LUBE. GIVES PRESS FIT INBOARD WHEEL BEARING CONE.
3	2		82835B	KINGPIN
4	2		53899	BEARING, 7-1/2" DX
5	2		53900	BEARING, 7" DX
6	2		82838B	BUSHING, UPPER
7	2		82839B	BUSHING, LOWER
8	2		82993M	THRUST RING, BRONZE ANTI-ROTATION (MH)
9	2		82836H	HOUSING-BEARING ANTI-ROTATION (MH)
10	2		82837B	WASHER-THRUST
11	2		82834B	COVER-KINGPIN
12	24		27139	CAPSCR, HX, 5/8-11NC X 1-3/4 GR 8
13	24		913240	WASHER, HARDND & GND-5/8 X 1.312 OD
14	2		57028	SCR, SET, SKT 1-1/2-6NC X 3.5 LG CONE POINT, GRADE 8
15	2		83634A	ROD, RADIUS, LOWER
16	2		83633A	ROD, RADIUS, UPPER
17	1		84077C	ROD-RADIUS(4" BRG)
18	2		16965	BUSHING SELF ALIGN 4" I.D.
18	4		16965	BUSHING SELF ALIGN 4" I.D.
19	1		80289C	PIN-RADIUS ROD (4" BRG)
19	1		80289C	PIN-RADIUS ROD (4" BRG)
20	2		56087-625	RING, RET. SELF LCK/INT FOR 6.250 BORE .094 X 6.422 GROOVE
20	4		56087-625	RING, RET. SELF LCK/INT FOR 6.250 BORE .094 X 6.422 GROOVE
21	2		80289E	PIN-4" ECCENTRIC
21	2		80289E	PIN-4" ECCENTRIC
22	2		86404B	SLEEVE, BEARING BORE FOR 4" SPHERICAL BEARING AND 2.938" LUG, HIGH INTERFERENCE FIT.
23	2		56086-700	RING, RET. SELF LCK/EXT FOR 7.000 SHAFT .094 X 6.818 GROOVE
24 R	2		82853A	SPACER, PIN
25	2		55283	RING-DIRT
25	8		55283	RING-DIRT
25	10		55283	RING-DIRT
26	3		82714A	RETAINER, PIN
26	2		82714A	RETAINER, PIN
26	1		82714A	RETAINER, PIN

94838

94482
E.N. NO.

TEREX
UNIT RIG

AXLE ASSY, FRONT

A85224D

A85224D

ITM	QTY	UM	COMPONENT	DESCRIPTION
27 R	1		82853B	SPACER, PIN
28	2		947095	BUSHING 5" SELF ALIGNING
28	2		947095	BUSHING 5" SELF ALIGNING
29	2		80289G	PIN-5"
29	2		80289G	PIN-5"
30	2		56087-775	RING, RET. SELF LCK/INT FOR 7.750 BORE .094 X 7.952 GROOVE
30	2		56087-775	RING, RET. SELF LCK/INT FOR 7.750 BORE .094 X 7.952 GROOVE
31	2		86404G	SLEEVE-BEARING BORE FOR 5" SPHERICAL BEARING AND 3.938" LUG, HIGH INTERFERENCE FIT.
32	2		56086-850	RING, RET. SELF LCK/EXT FOR 8.500 SHAFT .094 X 8.288 GROOVE
33 R	2		82853C	SPACER, BEARING 5"
34	2		85977C	SPACER-BUSHING (MH)
35	2		82714C	RETAINER, PIN
35	2		82714C	RETAINER, PIN
36	2		17744	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 8
36	6		17744	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 8
36	10		17744	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 8
37	2		913745	WASHER, FL, HARDND, 1/2 X 1.000 OD
37	6		913745	WASHER, FL, HARDND, 1/2 X 1.000 OD
37	10		913745	WASHER, FL, HARDND, 1/2 X 1.000 OD
38	6		55994	PIN, COILED SPRING 3/4 O.D. X 2-1/2 LG
99 R	1		A85224	DWG ONLY, FRONT AXLE

MT4400
BRONZE THRUST RING W/ANTI-ROTATION. SPINDLE FOR USE WITH FACE TYPE WHEEL SEAL. CAN BE USED WITH OIL BATH OR GREASE PACK WHEEL BEARING LUBE. HIGH INTERFERENCE FIT SLEEVES AT BEARING BORES. SPINDLE GIVES PRESS FIT INNER BEARING CONE. INTERF. LOWERED COMPARED TO PREVIOUS ASSEMBLY

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TEREX
UNIT RIG

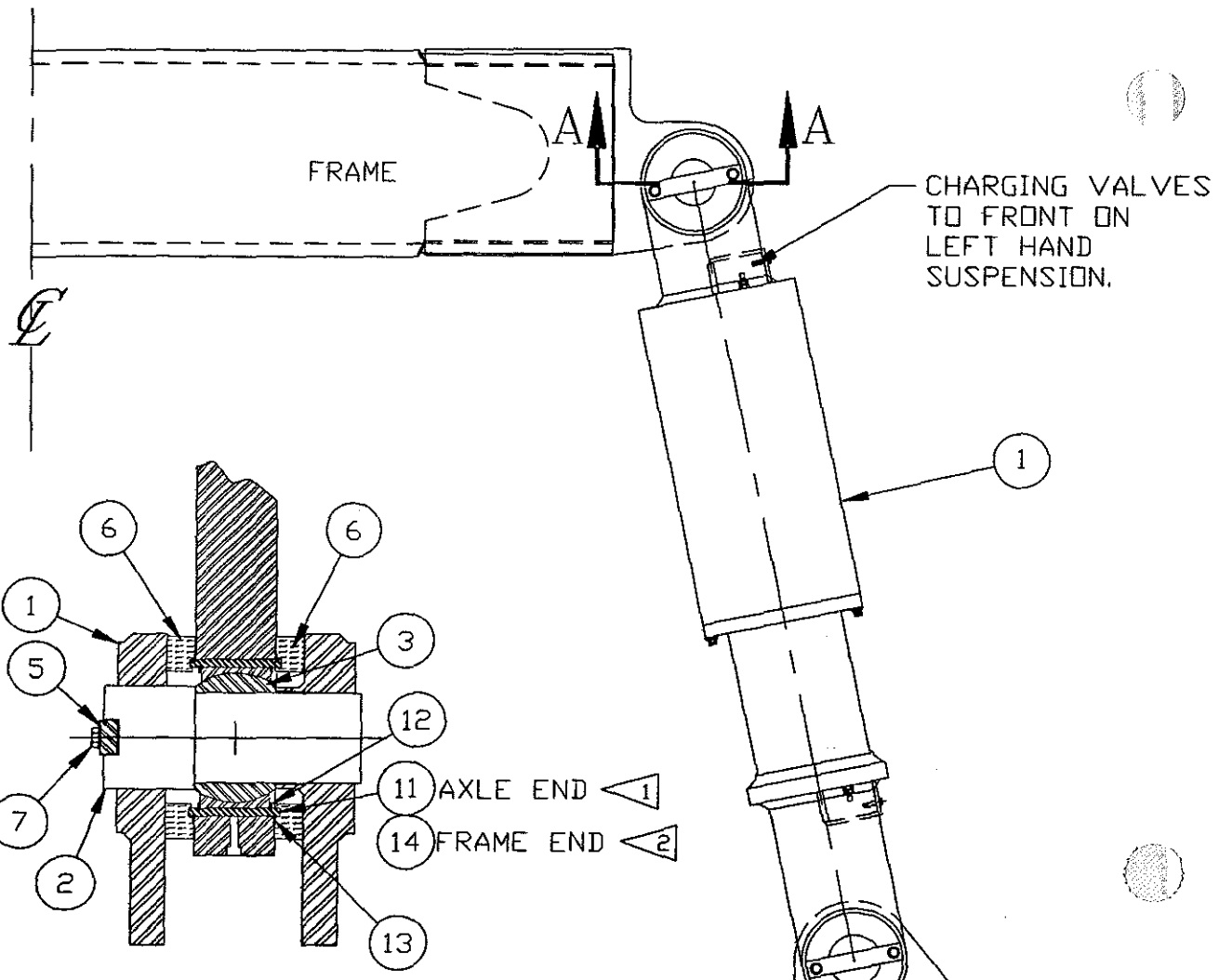
AXLE ASSY, FRONT

A85224D

A85225

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ENG. APP.
REL. CK.



SEC A—A
TYPICAL BOTH ENDS

NOTES:

1. ORIENT ITEM 11 (AXLE END) WITH SHOULDER TO REAR OF TRUCK.
2. ORIENT ITEM 14 (FRAME END) WITH SHOULDER TO FRONT OF TRUCK.
3. INSTALL SLEEVES & SPHERICAL BEARINGS ACCORDING TO T5123.
4. COAT SPHERICAL AND BORE SURFACES OF BEARINGS WITH CHASSIS GREASE (T5124) BEFORE INSTALLING PINS.

95611
92849
91439
E.N. NO.

UNIT RIG CAD ™

SUSPENSION ASSY, FRONT

SHEET 1 OF 1

A85225

A85225W

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		*57110*	SUSPENSION-FRONT
	2	2		80289G	PIN-5"
	3	1		947095	BUSHING 5" SELF ALIGNING
	3	1		947095	BUSHING 5" SELF ALIGNING
	5	2		82714C	RETAINER, PIN
	6	2		55283	RING-DIRT
	6	2		55283	RING-DIRT
	7	4		17744	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 8
	8	4		913745	WASHER, FL, HARDND, 1/2 X 1.000 OD
	11	1		86404G	SLEEVE-BEARING BORE FOR 5" SPHERICAL BEARING AND 3.938" LUG, HIGH INTERFERENCE FIT.
	12	1		56087-775	RING, RET. SELF LCK/INT FOR 7.750 BORE .094 X 7.952 GROOVE
	12	1		56087-775	RING, RET. SELF LCK/INT FOR 7.750 BORE .094 X 7.952 GROOVE
	13	1		56086-850	RING, RET. SELF LCK/EXT FOR 8.500 SHAFT .094 X 8.288 GROOVE
	13	1		56086-850	RING, RET. SELF LCK/EXT FOR 8.500 SHAFT .094 X 8.288 GROOVE
	14	1		86404A	SLEEVE-BEARING BORE FOR 5" SPHERICAL BEARING AND 3.438" LUG, HIGH INTERFERENCE FIT.
	20 R	1		A85225	DWG ONLY, FRONT SUSPENSION ASSY

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END. APP. NIELSEN
REL. CK. ELLIS

MT4400
SMR SUSPENSION.
HIGH INTERFERENCE FIT
SLEEVES AT BEARING BORES.
1/2" CHECK BALLS.
INTERF. LOWERED COMPARED TO PREVIOUS ASSEMBLY

94838
94482
E.N. NO.

*SEE SERVICE PARTS

TEREX UNIT RIG

FRONT SUSPENSION ASSY.

SHEET 1 OF

A85225W

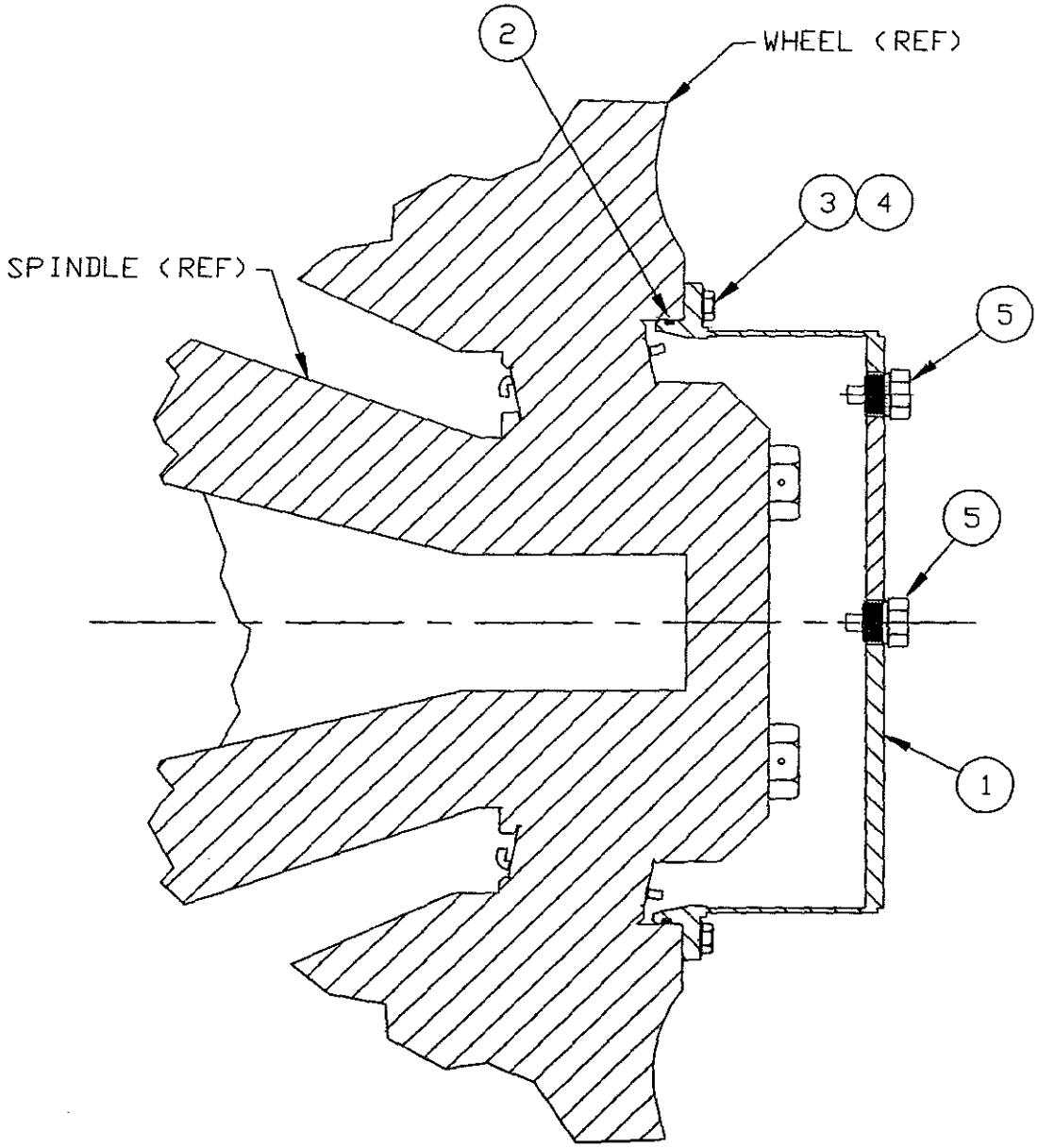
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ENG. APP.

REL. CK.



91635
E.N. NO.

UNIT RIG CAD ™

HUB CAP ASSEMBLY

SHEET 1 OF 1

A85440

A85440B

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		86407A	HUBCAP (OIL)
2	1		56484	O-RING 0.139 X 13.262 O.D. NITRILE (BUNA N) 70 DUROMETER
3	8		10180	WASHER, LK, HELI, 3/8 X .683 OD
4	8		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
5	2		56485	PLUG-MAGNETIC, 7/8-14 (ORB) #10 SAE O-RING BOSS
99 R	1		A85440	DWG ONLY, HUBCAP ASSY

MT4400 W/OIL BATH WHEEL BEARINGS. HUB CAP IS CAST STEEL.

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ENG. APP.
ROBINSON

REL. CK.
ELLIS

94431
E.N. NO.

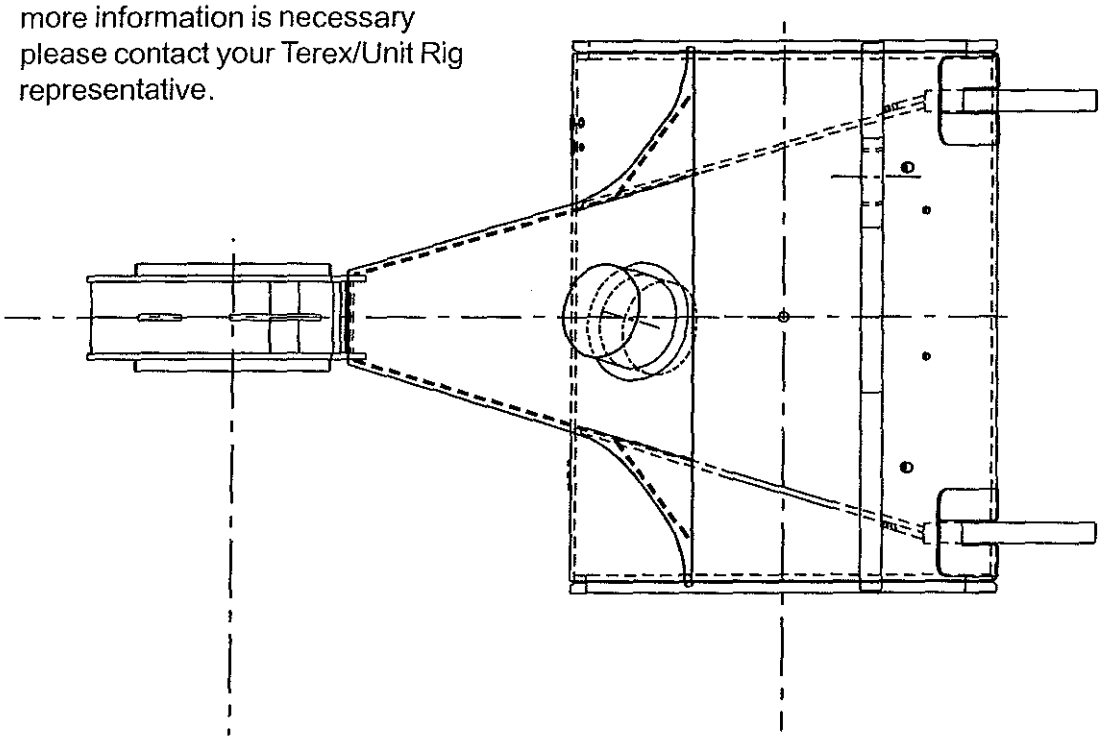
TEREX
UNIT RIG

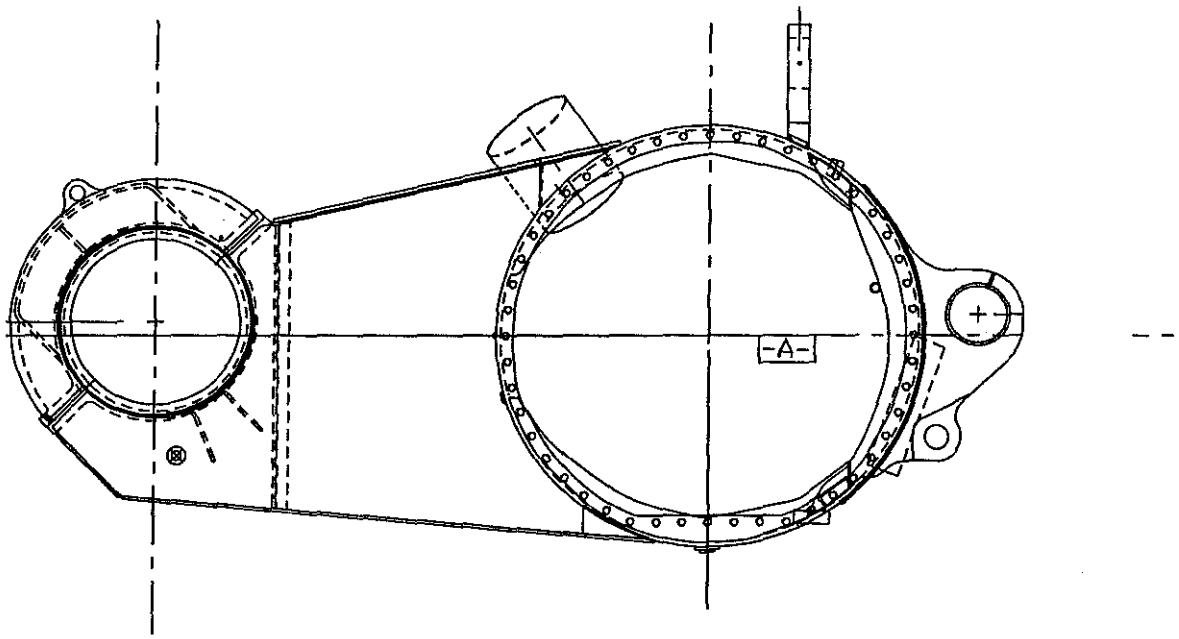
HUB CAP ASSEMBLY

SHEET 1 OF 1

A85440B

ASSEMBLY **A85890, AXLE BOX** contains proprietary information. if more information is necessary please contact your Terex/Unit Rig representative.





TEREX | UNIT RIG **ENGINEERING**	AXLEBOX	A85890 E.N. 92868 | Sheet 1 of 1

A85890A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		A85889A	AXLE BOX FAB
99 R	1		A85890	DWG ONLY, AXLE BOX B/P

ALVERT-TEREX

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ELLIS

92868
92608
E.N. NO.

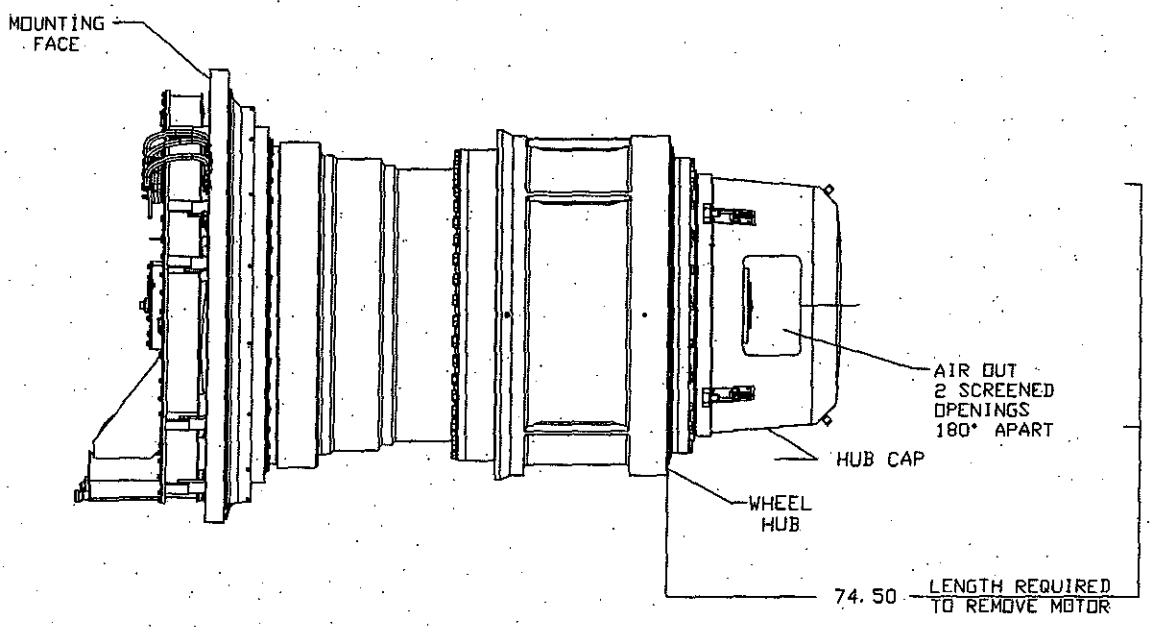
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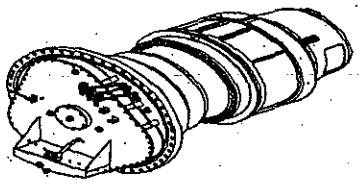
AXLE BOX, W/BP (MACH)

SHEET 1 OF 1

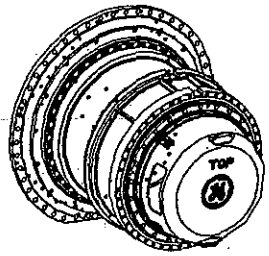
A85890A

* 85791A WHEELMOTOR (GEB 25A1)





ISOMETRIC VIEW



ISOMETRIC VIEW

*** SEE SERVICE PART DRAWINGS**

UNIT RIG / TEREX MINING ENGINEERING	WHEELMOTOR (GEB 25A1)	85791A	
		E.N. 92636	SHEET 1 OF 1

A85892

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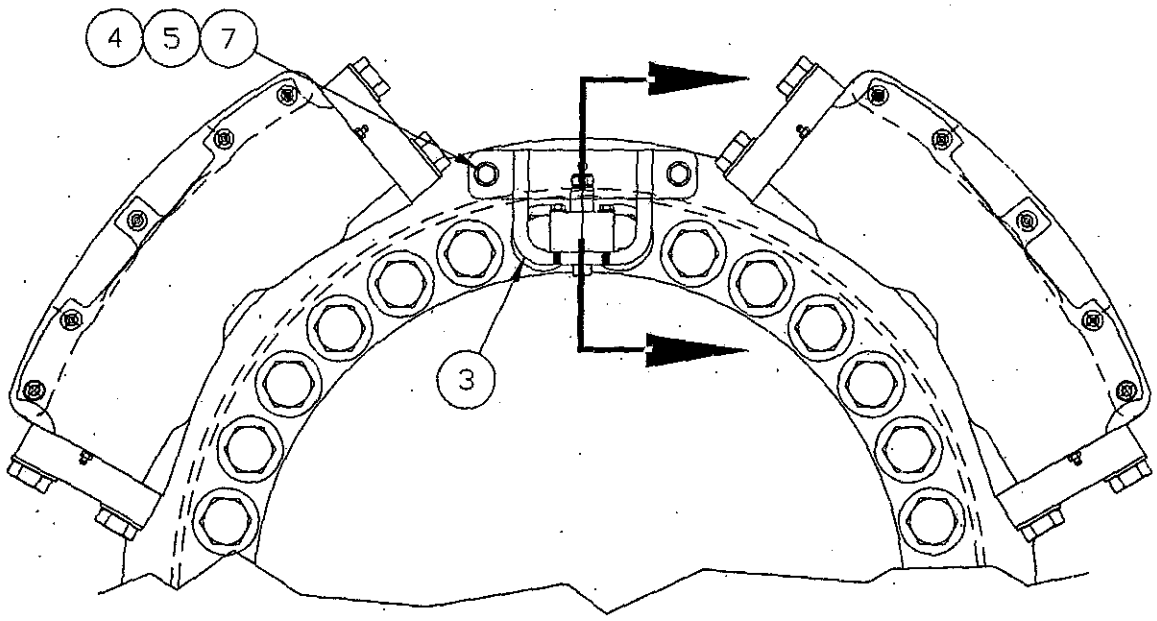
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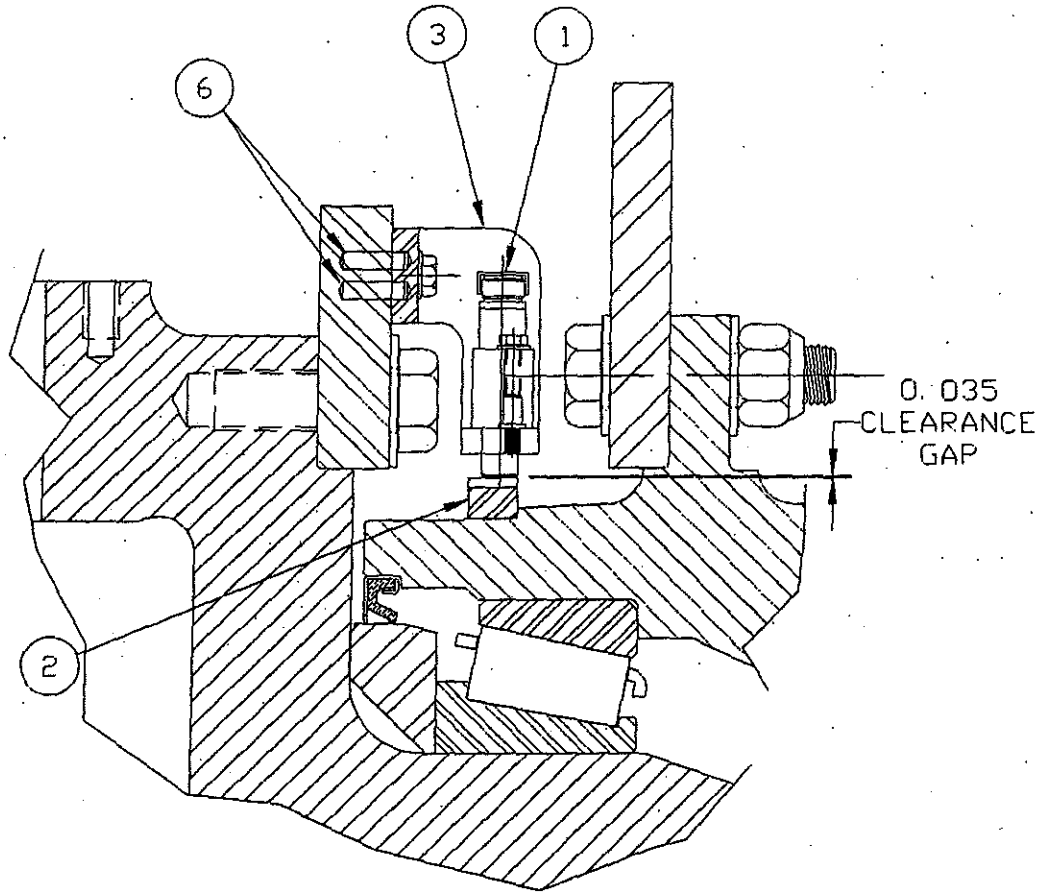
DR. DODEN

ENG. APP.

REL. CK. ELLIS

92604
E.N. NO.





SEE SHEET #2 FOR INSTALLATION PROCEDURE

TEREX MINING™

SPEED SENSOR FRONT WHEEL

SHEET 1 OF 2

A85892

A85892

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ENG. APP.
REL. CK.

92604
E.N. NO.

SPEED SENSOR INSTALLATION AND ADJUSTMENT

SENSOR WHEEL INSTALLATION

1. CLEAN I. D. OF SENSOR WHEEL, ITEM #2, AND MATING SURFACE OF WHEEL OF ALL DIRT, GREASE, ETC..
2. WARM SENSOR WHEEL EVENLY TO 300° F.
3. INSTALL SENSOR WHEEL ONTO FRONT WHEEL. MAKE SURE SENSOR WHEEL IS INSTALLED STRAIGHT AND FULLY SEATED.
4. INSTALL SENSOR WHEEL/FRONT WHEEL ASSEMBLY ONTO SPINDLE. ADJUST WHEEL BEARINGS PER STANDARD SPECIFICATION.

SPEED SENSOR INSTALLATION AND ADJUSTMENT

1. ALL BRAKES ARE TO BE INSTALLED AND TIGHTENED.
2. INSTALL ROLL PINS, ITEMS #6, INTO BRAKE SPIDER.
3. INSTALL SPEED SENSOR, ITEM #1, ONTO BRACKET, ITEM #3.
4. INSTALL BRACKET/SENSOR ASSY ONTO ROLL PINS AS SHOWN. DO NOT FULLY TIGHTEN MOUNTING HARDWARE.
5. PLACE A 0.035" FEELER GAUGE BETWEEN THE SENSOR NOSE AND THE SENSOR WHEEL. ADJUST POSITION OF BRACKET, ITEM #3, FOR THIS CLEARANCE. ROTATE WHEEL COMPLETELY AROUND TO VERIFY THAT 0.035" IS THE MINIMUM CLEARANCE.
6. TIGHTEN MOUNTING HARDWARE PER 02-475.
7. AFTER TIGHTENING HARDWARE, VERIFY CLEARANCE BETWEEN SENSOR NOSE AND SENSOR WHEEL PER STEP 5, AND ADJUST AGAIN IF NECESSARY.

TEREX MINING™

SPEED SENSOR FRONT WHEEL

A85892

A85892A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1 R	2		56483	SENSOR, SPEED
2	2		85461B	WHEEL, SPEED SENSOR
3	2		85432C	BRACKET, SPEED SENSOR
4	4		10029	CAPSCREW, HX, 1/2-13NC X 1-1/2 GR 5
5	4		10182	WASHER, LK, HELI, 1/2 X .873 OD
6	4		1023240	ROLL PIN, 3/8 x 1-1/4LG
7	4		1001014	WSHR, HARDND, 1/2 X 1-1/4 OD REG
10 R	1		A85892	DWG ONLY, SPEED SENSOR

FOR MT4400 W/AC DRIVE
CONTAINS PARTS FOR
BOTH FRONT WHEELS

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E.N. NO.

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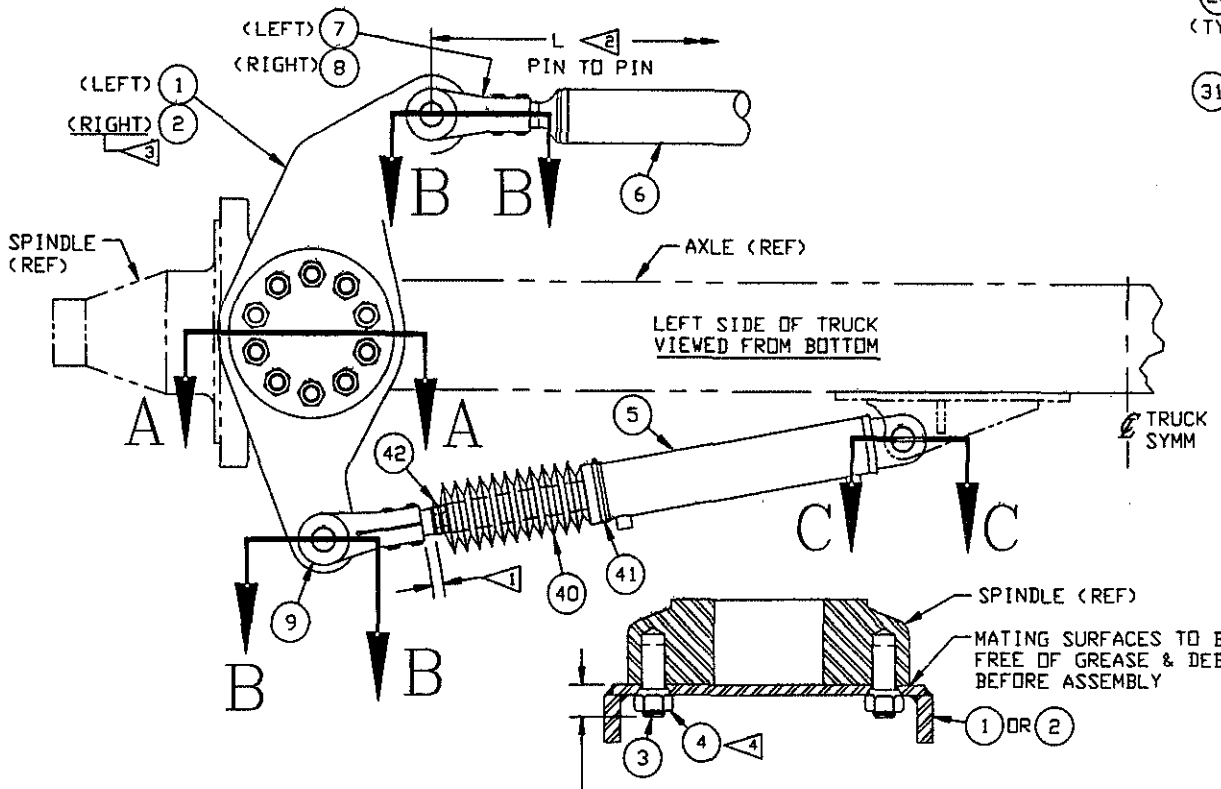
SPEED SENSOR ASSY, FRON

SHEET 1 OF 1

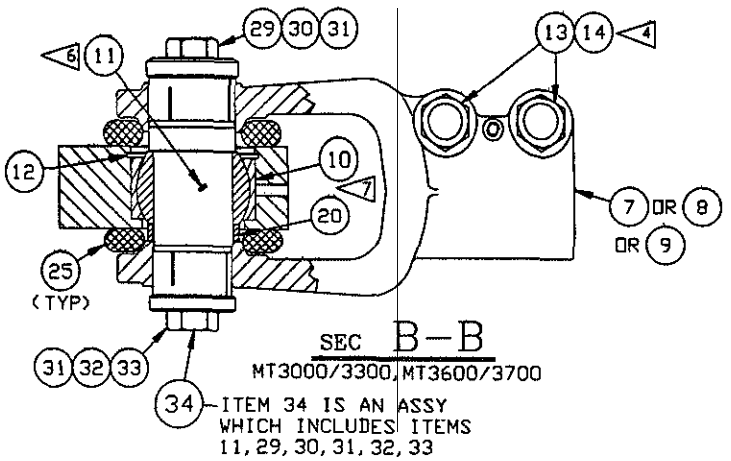
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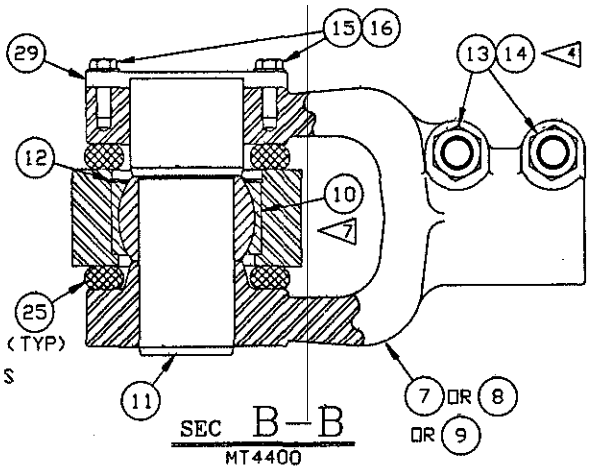
1. SEE ASSEMBLY NOTE 1 ON BILL OF MATERIAL.
2. SEE ASSEMBLY NOTE 2 ON BILL OF MATERIAL.
3. IF APPLICABLE. NOTE ORIENTATION OF ASYMMETRIC STEERING ARMS.
4. TORQUE PER 02-475
5. ITEMS SHOWN ON PICTORIAL BUT NOT ON BILL OF MATERIAL ARE NOT USED.
6. SEE SHT 2 FOR INSTALLATION INSTRUCTIONS
7. COAT SPHERICAL AND BORE SURFACES OF BEARINGS WITH CHASSIS GREASE (T5124) BEFORE INSTALLING PINS.



SEC A–A



SEC B–B
MT3000/3300, MT3600/3700



SEC B–B
MT4400

TEREX
UNIT RIG

STEERING ASSEMBLY, MECHANICAL

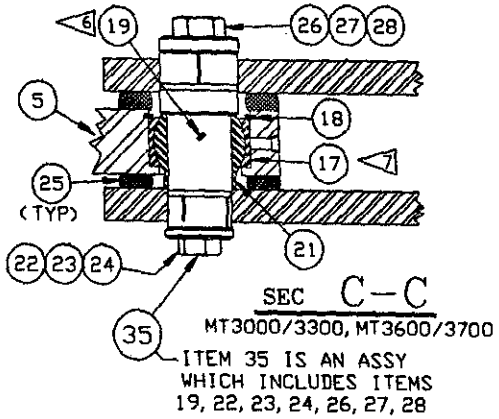
1 OF 2

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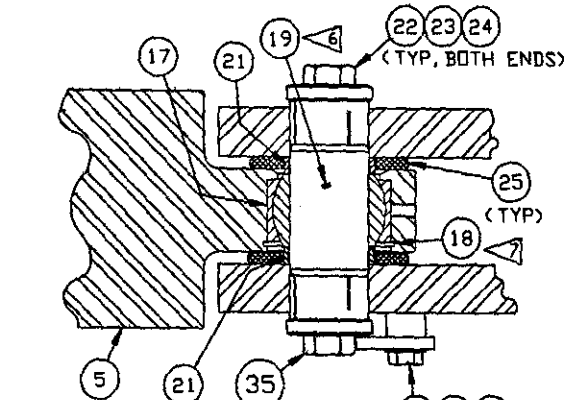
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SEC C–C
MT3000/3300, MT3600/3700

ITEM 35 IS AN ASSY
WHICH INCLUDES ITEMS
19, 22, 23, 24, 26, 27, 28



ITEM 35 IS AN ASSY
WHICH INCLUDES ITEMS
19, 22, 23, 24

SEC C–C
MT4400

INSTALLATION INSTRUCTIONS FOR EXPANDER PINS

1. LUBRICATE THE PIN (ITEMS 11 OR 19) AND THE SLEEVES (ITEMS 22 OR 26 OR 29 OR 32) WITH BEARING GREASE FOR EASY INSERTION.
2. INSERT PIN INTO BORE.
3. INSTALL SLEEVES (ITEMS 22 OR 26 OR 29 OR 32).
4. INSTALL WASHERS (ITEMS 23 OR 27 OR 30 OR 33) AND CAPSCREWS (ITEMS 24 OR 28 OR 31).
5. HAND TIGHTEN THE ASSEMBLY IN THE DESIRED POSITION. NOTE PIN RETAINER, ITEM 36, IN SEC C-C ON SHEET 2 FOR THE MT4400.
6. TORQUE THE CAPSCREWS ALTERNATELY IN ORDER TO MAINTAIN AN EQUAL CLEARANCE BETWEEN THE WASHERS AND MOUNTING LUGS ON BOTH ENDS OF THE PIN ASSEMBLY. CONTINUE TIGHTENING UNTIL PROPER TORQUE IS ACHIEVED.

THREAD SIZE	TORQUE VALUE REQUIRED, FT-LBS (N-m)	SOCKET SIZE (MM)
M20	258 (350)	30
M24	369 (500)	36

IMPORTANT:
THE WASHERS SHOULD NEVER COME IN CONTACT WITH THE PIVOT LUG. IF THIS OCCURS, GO BACK TO STEP 5. IF EITHER WASHER COMES IN CONTACT WITH THE LUG, THE SYSTEM IS OUT OF SPEC OR THE SLEEVE IS INCORRECTLY SPECIFIED.

7. LUBRICATE THE PIVOT PER STANDARD PROCEDURE BEFORE OPERATING THE TRUCK.
8. ONCE INITIAL TORQUE AND LUBRICATION HAVE BEEN COMPLETED, START TRUCK AND STEER FRONT WHEELS BACK AND FORTH.
9. CHECK BOLTS FOR REQUIRED TORQUE VALUES AND RE-TORQUE AS REQUIRED. IMPORTANT: RE-TORQUE IS AN ESSENTIAL PART OF THE INSTALLATION.
10. INSTALL ITEMS 36, 37 AND 38 (MT4400 ONLY) PER SEC C-C ON SHT 2. POSITION ITEM 36 AS CLOSE AS POSSIBLE TO CAPSCREW.

TEREX UNIT RIG

STEERING ASSEMBLY, MECHANICAL

2 OF 2

A86052

95611
RED
93133
LN. NO.

B1115389

A86052K

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	1		82845C	ARM, STEERING
	2	1		82845C	ARM, STEERING
	3	24		82852A	STUD-1-1/2-12 X 4-1/2, B-7, GRADE 8
	4	24		82846A	NUT-TAPER NOSE, 1-1/2-12NF 1-1/2-12NF GRADE 8
S	5	2		*84092K*	CYLINDER, STEERING 6" X 28"
	6	1		82847B	TIE ROD
	7	1		83636A	YOKE-STRG(LH THREADS)
	8	1		83636B	YOKE-STRG(RH THREADS)
	9	2		83636B	YOKE-STRG(RH THREADS)
	10	4		16927	BUSHING SELF ALIGNING 3" I.D.
	11	4		80289F	PIN-3" STEPPED
	12	4		1000519	RING, RETAINING INT FOR 4.75" BORE .079 X 4.89 GROOVE
	13	8		10100	CAPSCR, HX, 1-8NC X 6 GR 5
	14	8		12333	NUT-HEX, FLXLC 1-8
	15	8		10029	CAPSCR, HX, 1/2-13NC X 1-1/2 GR 5
	16	8		913745	WASHER, FL, HARDND, 1/2 X 1.000 OD
	17	2		19614	BUSHING-SELF ALIGN
	18	2		11399	RING, RETAINING INT FOR 3.938 BORE .120 X 4.174 GROOVE
	19 R	2		56995	PIN, 2-1/2" STRAIGHT, EXPANI
	21	4		61947K	SPACER, BEARING, 2-1/2 ID X G 8
	22 R	4		56987	SLEEVE, EXPANDER, FOR 2-1/2 PIN
	23 R	4		56988	WASHER, EXPANDER, FOR 2-1/2 PIN
	24 R	4		56986	CAPSCREW M24-2.00
	25	12		70331B	GREASE SEAL
	29	4		82714B	RETAINER, PIN
S	35	2		*56998*	PIN ASSY, 2-1/2 STRAIGHT, EXPNDR
	36	2		86074A	RETAINER, EXPANDER PIN
	37	2		26205	WASHER, FL, 5/8 X 1.312 OD
	38	2		10043	CAPSCR, HX, 5/8-11NC X 1 GR 5
	40	2		57052	BOOT, STRG CYL, MT4400
	41	2		52644	CLAMP, HOSE, WORM GEAR
	42	2		28501	HOSE CLAMP-WORM GEAR 2.75" TO 3.625" DIA
	99 R	1		A86052	DWG ONLY, MECHANICAL STEER ASSY
	100 R	1		N86052K	ASSY NOTES: NO DWG

ASSY NOTES:
1. THREAD ITEM 9 ONTO CYL. ROD AS FAR AS POSSIBLE.
2. L=188 (INITIAL LENGTH)

MT4400 W/CYLINDERS WITH ONE PIECE STUFFING BOX.

*SEE SERVICE PARTS

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ENG. APP. NIELSEN
REL. CK. ELLIS

94849
E.N. NO.

TEREX
UNIT RIG

STEERING ASSEMBLY, M CH

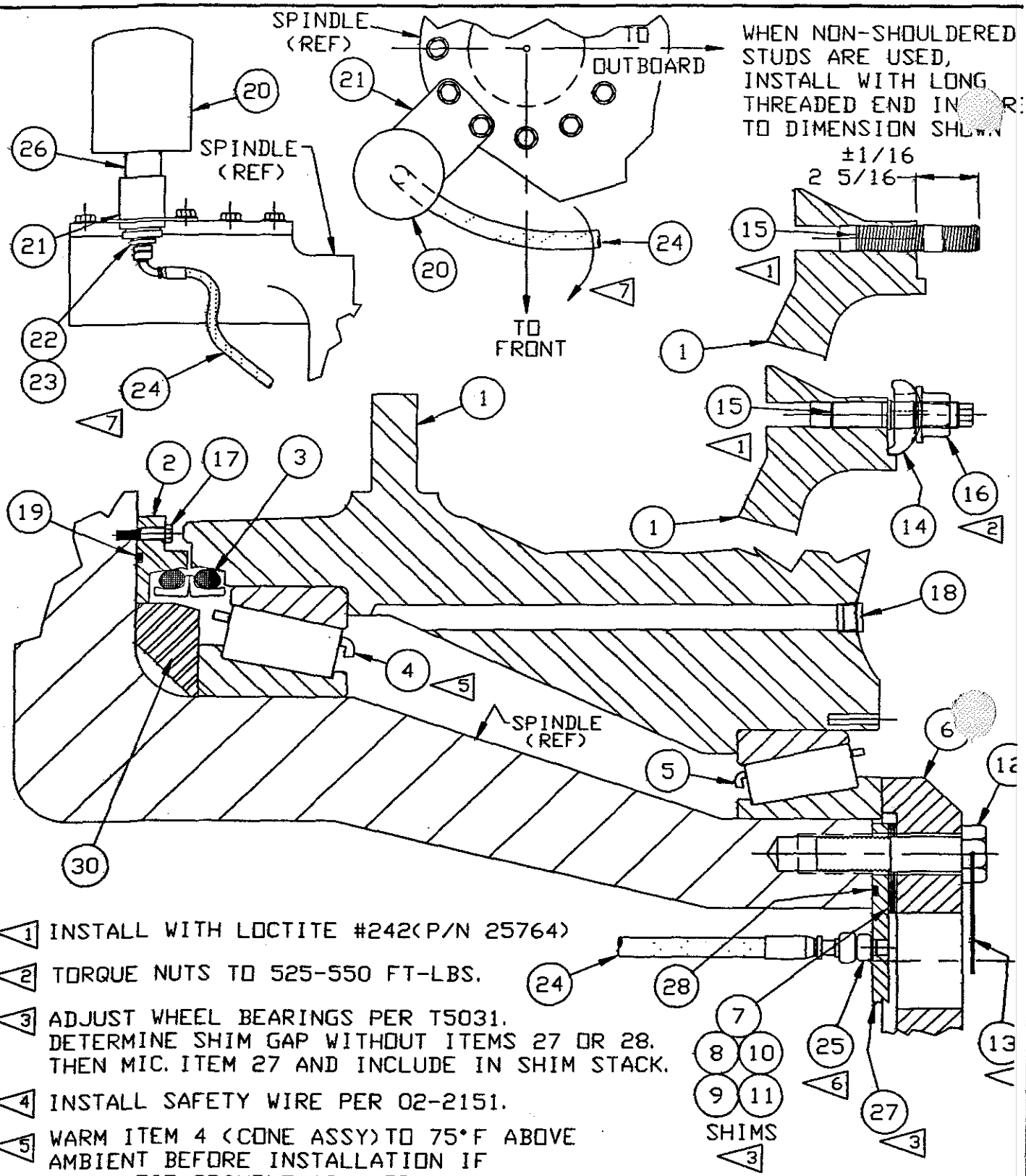
SHEET 1 OF 1

A86052K

A86352

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ENG. APP. ROBINSON
REL. CK. ELLIS



1. INSTALL WITH LOCTITE #242(P/N 25764)
2. TORQUE NUTS TO 525-550 FT-LBS.
3. ADJUST WHEEL BEARINGS PER T5031. DETERMINE SHIM GAP WITHOUT ITEMS 27 OR 28. THEN MIC. ITEM 27 AND INCLUDE IN SHIM STACK.
4. INSTALL SAFETY WIRE PER 02-2151.
5. WARM ITEM 4 (CONE ASSY) TO 75°F ABOVE AMBIENT BEFORE INSTALLATION IF PRESS FIT SPINDLE IS USED.
6. INSTALL ITEMS 24 & 25 TO ITEM 27 BEFORE INSTALLATION OF ITEM 27. NOTE 'UP' ORIENTATION OF ITEM 27.
7. POSITION HOSE PORTION OF ITEM 24 AS CLOSE AS POSSIBLE TO SPINDLE BEFORE TIGHTING 45° FITTING TO AVOID HOSE CONTACT WITH AXLE.

TEREX
UNIT RIG

FRONT WHEEL AS

SHEET 1 OF 1

A86352

94508
E.N. NO.

A86352B

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		82819H	WHEEL-FRONT W/OIL
2	1		79003G	CARRIER, FACE SEAL
3	1		56325	SEAL, FACE
4	1		52924	BEARING, TAPER ROLLER
5	1		52956	BEARING, TAPER ROLLER
6	1		61796M	RETAINER-BEARING
7	3		82513G	SHIM (.062")
8	1		82513H	SHIM (.031")
9	1		82513J	SHIM (.015")
10	2		82513K	SHIM (.005")
11	2		82513M	SHIM (.002")
12	6		2715	CAPSCR, HXDRL, 1-1/8-7NC X 4 GR 5
13	2	FT	22324	WIRE, SAFETY(.041 DIA)
14	24		16780	CLAMP-ROUND NOSE
15	24		85138F	STUD W/HEX DR. 1"-14X5-1/8 OAL
16	24		24565	NUT, HVYHX FLG, 1-14UNS
17	4		10703	CAPSCR, HX, 5/16-18NC X 1-1/2 GR 5
18	1		1002951	PLUG, MAGNETIC, 1/2-14 1/2" NPT W/HEX RECESSED DRIVE.
19	1		56326	O-RING, SIZE 392
20	1		24465	FILTER AIR-SPIN ON ELEMENT
21	1		85463A	BRACKET-FILTER
22	1		10199	BUSH, 1-1/4X3/8NPT MI 150PSI HEX
23	1		53367-0406	ADAPTER, STR ORS/NPTF #4 ORS X 3/8 NPTF
24	1		84317A-050	HOSE ASSY FC310-04 50"LG W/STR & 90 DEG ORS FITTINGS
25	1		53360-0404	ADAPTER, STRAIGHT #4 ORS, MALE X #4 O-RING, MALE
26	1		55392	ADAPTER-BREATHER
27	1		85468A	PLATE-SEAL
28	1		56496	O-RING 0.210 X 4.145 O.D. NITRILE (BUNA N) 70 DUROMETER
30	1		79003C	SPACER-WHEEL BEARING
99 R	1		A86352	DWG ONLY, WHEEL ASSY

MT4400AC WITH 32 X 57 RIMS. W/FACE TYPE WHEEL SEAL, WITH SEPARATE SEAL CARRIER, AND REMOTE BREATHER FOR OIL BAT W/WHEEL STUDS W/HEX REQUIRES APPROPRIATE SPINDLE AND HUBCAP.

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ENG. APP. ROBINSON

REL. CK. ELLIS

94632

94508

E.N. NO.

TEREX UNIT RIG

FRONT WHEEL ASSEMBLY

SHEET 1 OF

A86352B

SECTION 8 - BRAKE SYSTEM

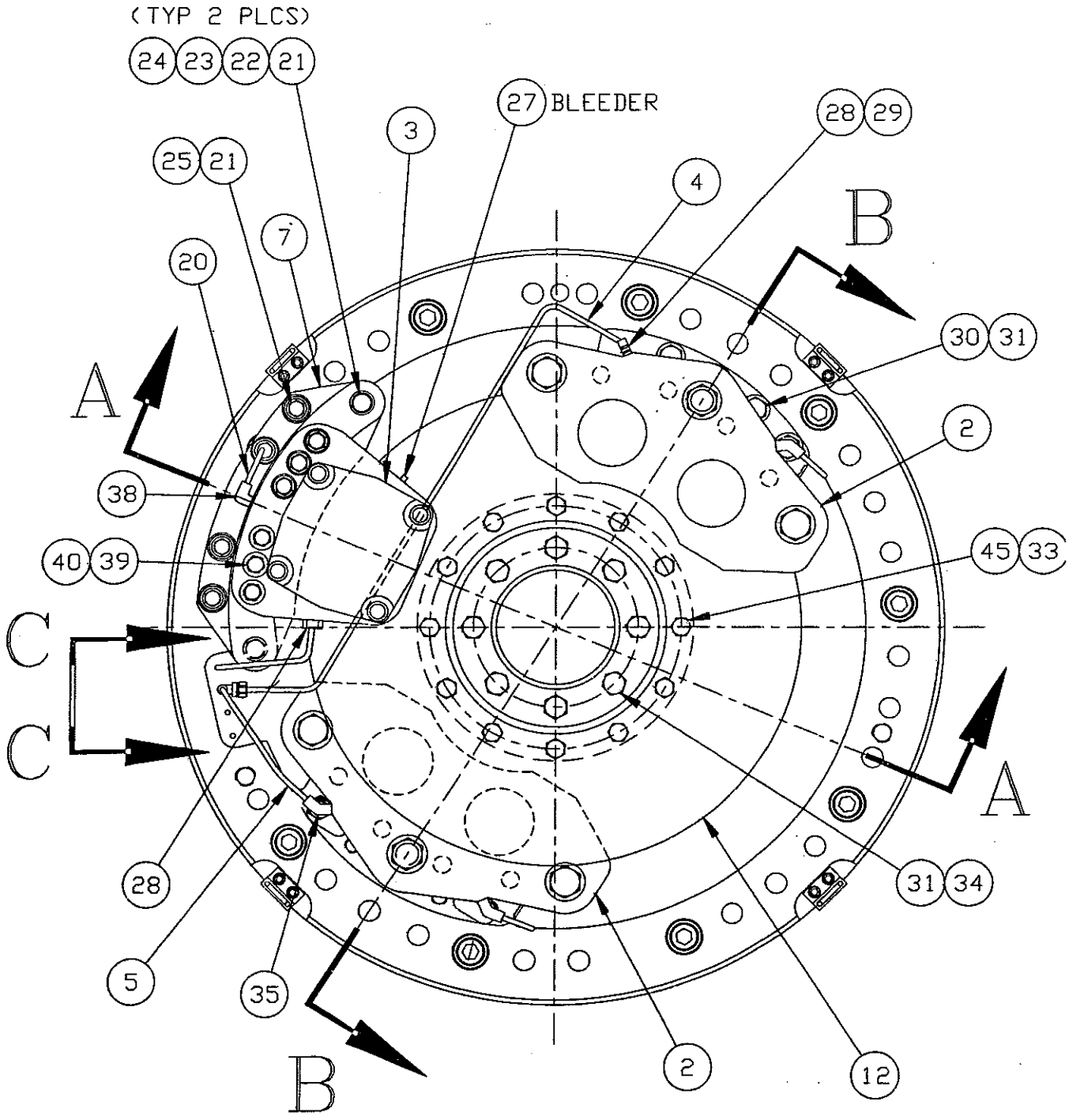
DESCRIPTION	ASSEMBLY
Brake Assembly, Front	A84196B
Brake Assembly, Rear	A84066B
Front Brake Assembly	A84196B
Rear Brake Assembly	A84066B

A84066

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ADVERT-TEREX

DR. Robinson
ENG. APP. GREENE
REL. CK. ELLIS



TORQUE ALL CAPSCREWS PER 02-475 SPEC.

88449	
88156	
87883	GE 787 & 788 WHEEL W/CARLISLE BRAKES
E.N. NO.	

TEREX MINING™

BRAKE ASSEMBLY-REAR

SHEET 1 OF 4

A84066

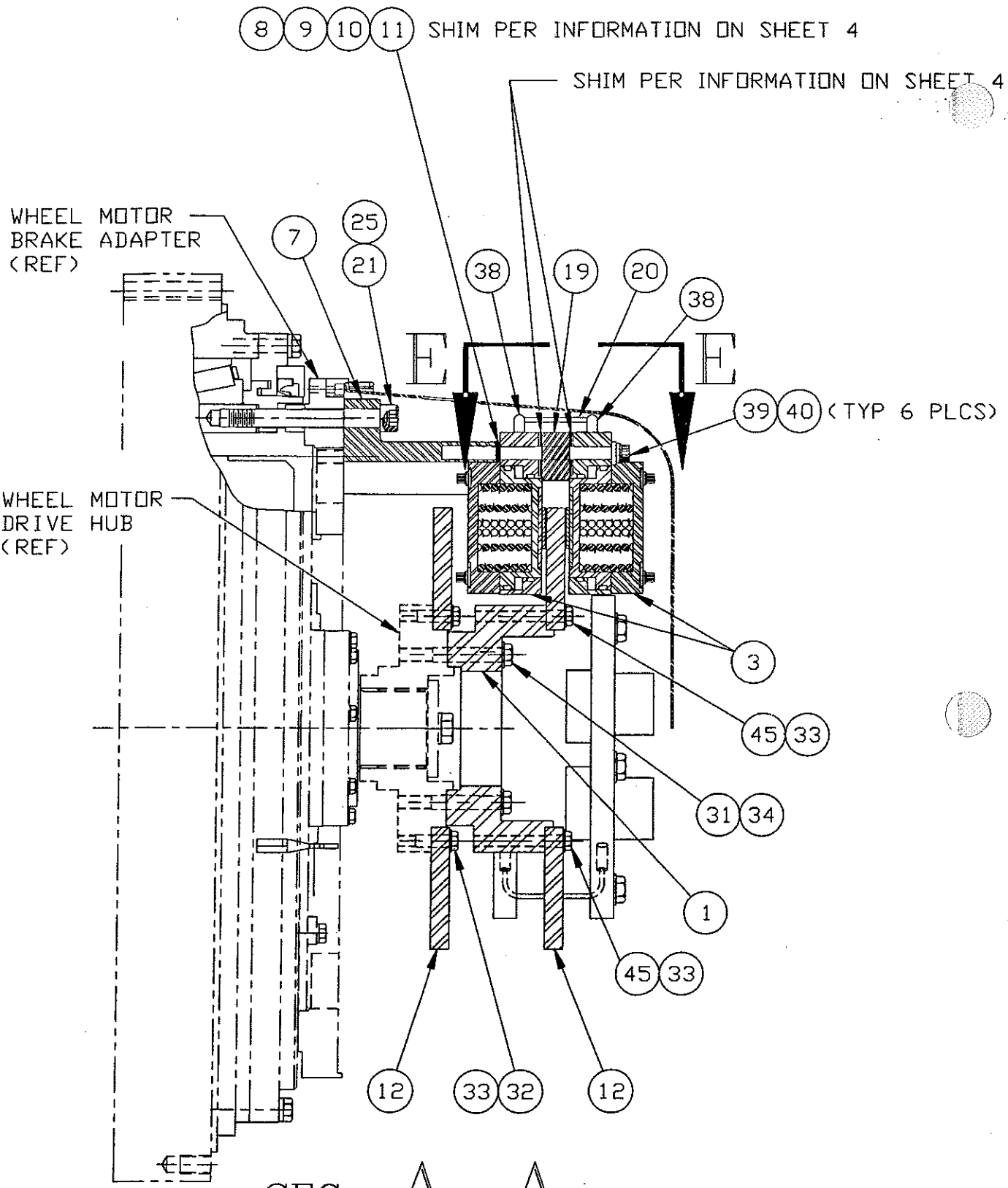
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DR.

ENG. APP.

REL. CK.



SEC A—A

PARK BRAKE MOUNTING

93449

88156

87883

E.N. NO.

TEREX MINING

BRAKE ASSEMBLY-REAR

SHEET 2 OF 4

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ENG. APP.

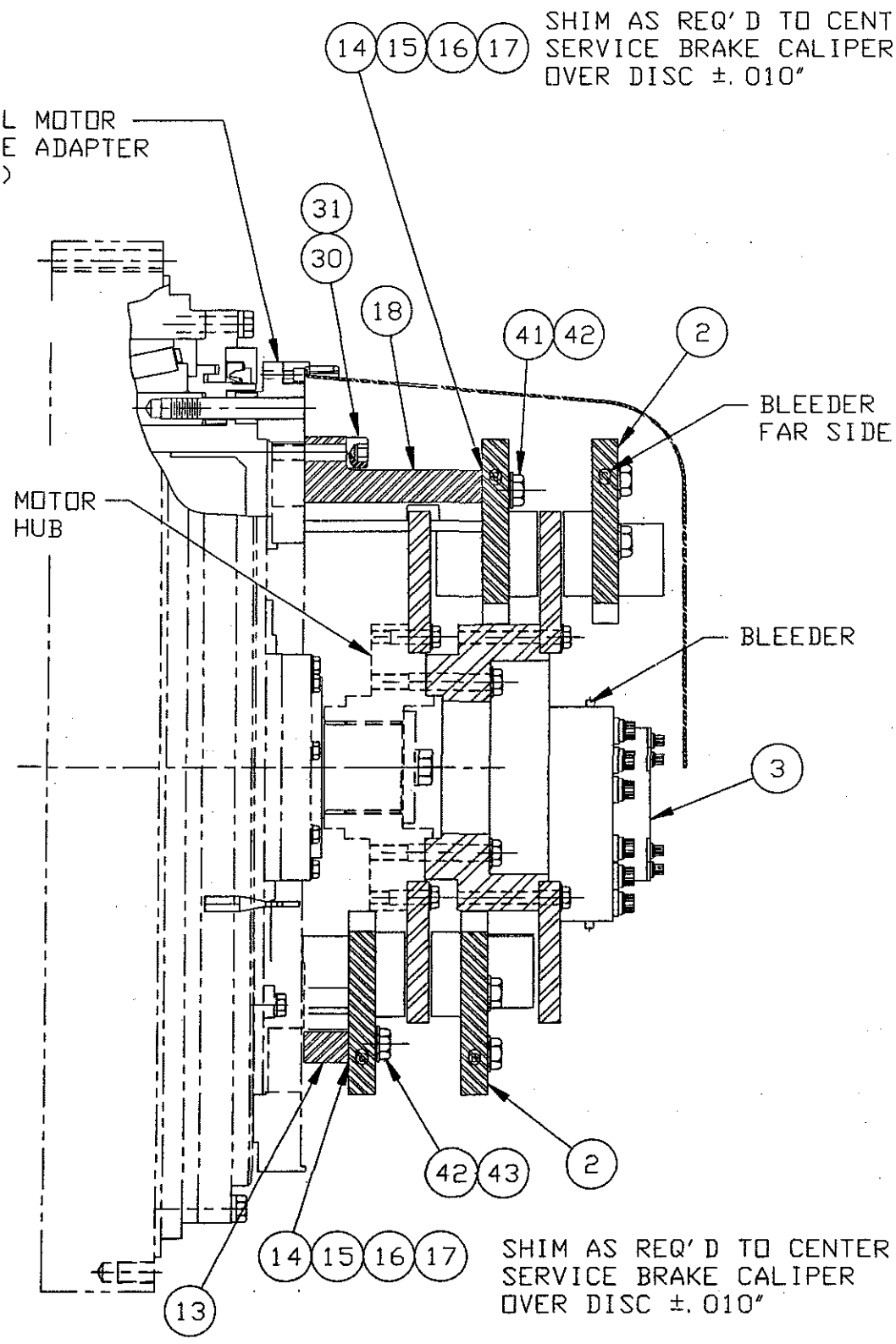
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E.N. NO.



SEC B—B

SERVICE BRAKE MOUNTING

TEREX MINING

BRAKE ASSEMBLY-REAR

SHEET 3 OF 4

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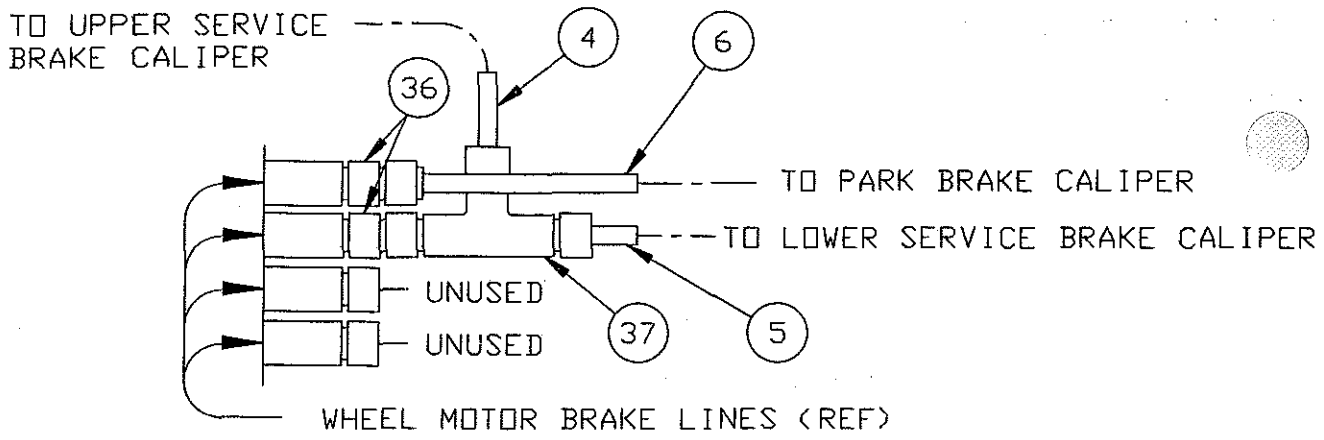
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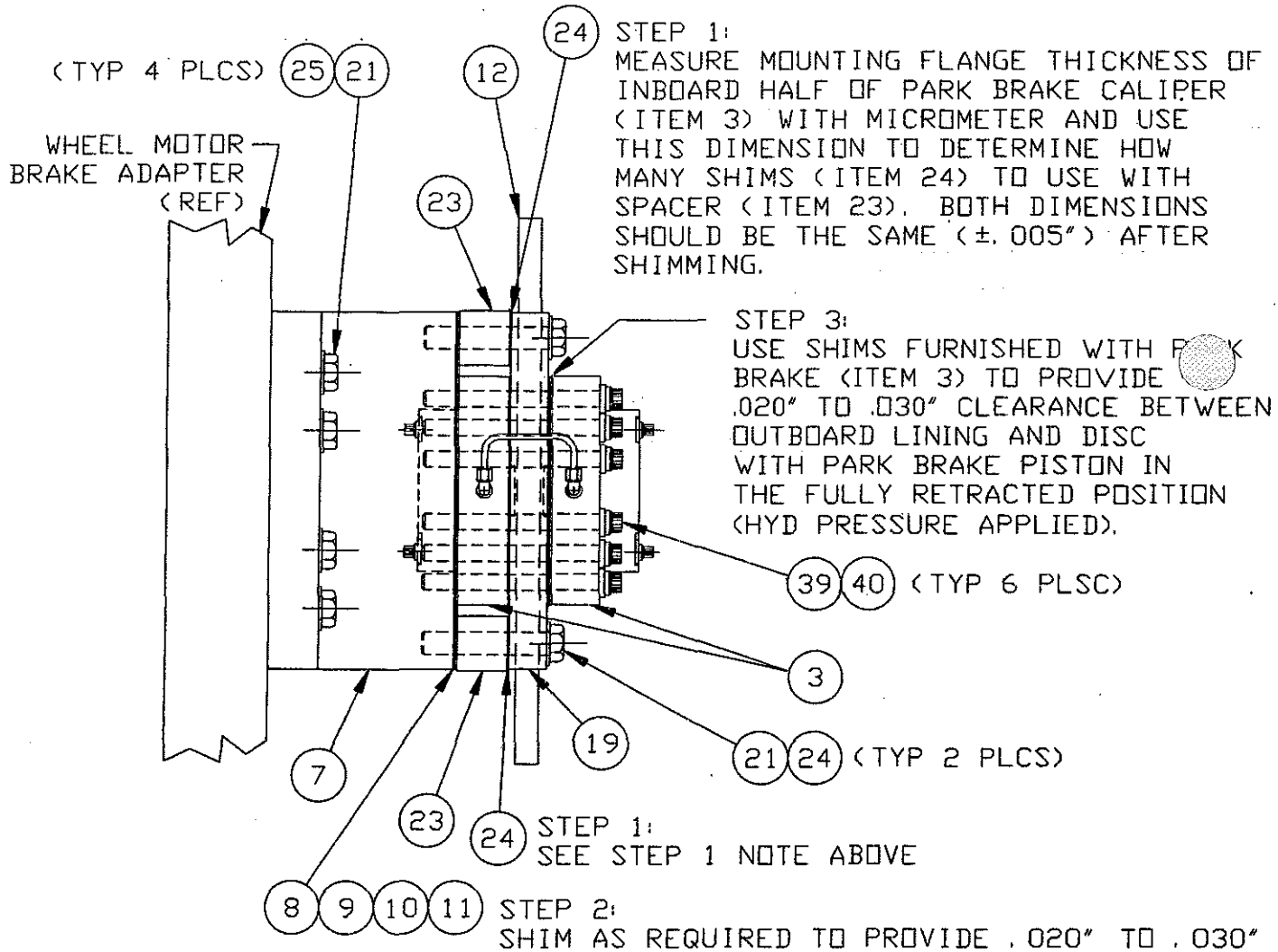
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E.N. NO.



VIEW C—C



VIEW E—E

PARK BRAKE
MOUNTING AND SHIMMING PROCEDURE

TEREX MINING

BRAKE ASSEMBLY-REAR

SHEET 4 OF 4

A84066

A84066B

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	1		69209K	SPACER-ADAPTER
S	2	2		*56412*	CALIPER-REAR, BRAKE
S	3	1		*53455*	BRAKE HEAD ASSY, PARK
	4	1		78854H	TUBE ASSEMBLY
	5	1		78854E	TUBE ASSY
	6	1		78854J	TUBE ASSEMBLY
	7	1		83352C	BRACKET-PARKING BRAKE
	8	1		83353A	SHIM-BRAKE 11 GA. SHT. (0.1196)
	9	2		83353B	SHIM-BRAKE 14 GA. SHT. (0.0747)
	10	2		83353C	SHIM-BRAKE 20 GA. SHT. (0.0359)
	11	2		83353E	SHIM-BRAKE 28 GA. SHT. (0.0148)
	12	2		85720A	DISK-REAR BRAKE, STRESS RELIEVE
	13	1		69206A	SPACER BRAKE
	14	2		79988A	SHIM-BRAKE 11 GA. SHT. (0.1196)
	15	2		79988B	SHIM-BRAKE 14 GA. SHT. (0.0747)
	16	2		79988C	SHIM-BRAKE 19 GA. SHT. (0.0418)
	17	2		79988E	SHIM-BRAKE 31 GA. SHT. (0.0105)
	18	1		69208G	SPACER ADAPTER
	19	1		79534B	SPACER-BRAKE
	20	1		79585A	TUBE ASSY
	21	9		62770A	WASHER, FL, HARDND, 1" X 1.750 OD
	22	2		26355	CAPSCREW, HX, 1-14NF X 5-1/2 GR 8
	23	2		83368A	SPACER
	24	12		79536A	SHIM
	25	4		55101	CAPSCREW, HXSKT, 1-14 UNS X 8-1/2 GR 8 1960 SERIES, BLK OXIDE
	26 R	8		24726	BLEEDER PLUG 1/8 NPT, MALE X 1/4-28 NF FEMALE
	27 R	5		913151	BLEEDER
	28	2		911486	ADAPTER, STR, SHORT #4 JIC, MALE X #4 O-RING, MALE
	29	1		29849	ADAPTER, 90 DEG #4 JIC, MALE X #4 JIC, FEMALE SWIVEL
	30	5		25111	CAPSCREW, HX, 3/4-10NC X 3-1/4 GR 8
	31	18		65456A	WASHER, FL, HARDND, 3/4 X 1.500 OD

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ENG. APP. WFR
REL. CK. ELLIS

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E.N. NO.

*SEE SERVICE PARTS

TEREX MINING

REAR BRAKE ASSEMBLY

A84066B

ITM	QTY	UM	COMPONENT	DESCRIPTION
32	12		26078	CAPSCREW, HX, 5/8-11NC X 2-3/4 GR 8
33	24		901008	WASHER-FLAT
34	8		26109	CAPSCR, HX, 3/4-10NC X 5 GR 8
35	1		23810	ADAPTER, 45 DEG #4 JIC, MALE X #4 O-RING, MALE
36	2		51167	ADAPTER, REDUCER #6 JIC, FEMALE X #4 JIC, MALE
37	1		27806	ADAPTER, TEE #4 JIC, FEM SWVL RUN X #4 JIC, MALE
38	2		21686	ADAPTER, 90 DEG #4 JIC, MALE X #4 O-RING, MALE
39	6		26209	CAPSCR, 12PT, 3/4-10NC X 8 GR 8
40	6		915726	WASHER
41	4		25558	CAPSCREW, 12PT, 7/8-9NC X 2 GR 8
42	8		63416A	WASHER, FL, HARDND, 7/8 X 1.625 OD
43	4		25557	CAPSCR, 12PT, 7/8-9NC X 4 GR 8
44	R 8		900774	BLEEDER(.25-28NF)
45	12		25113	CAPSCREW, HX, 5/8-11NC X 2-1/4 GR 8
99	R 1		A84066	DWG ONLY, BRAKE ASSY

CARLISLE DUAL DISC BRAKES FOR 787/788 WHEEL MOTORS.

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DR.
ENG. APP.
REL. CK.

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E.N. NO.

TEREX MINING

REAR BRAKE ASSEMBLY

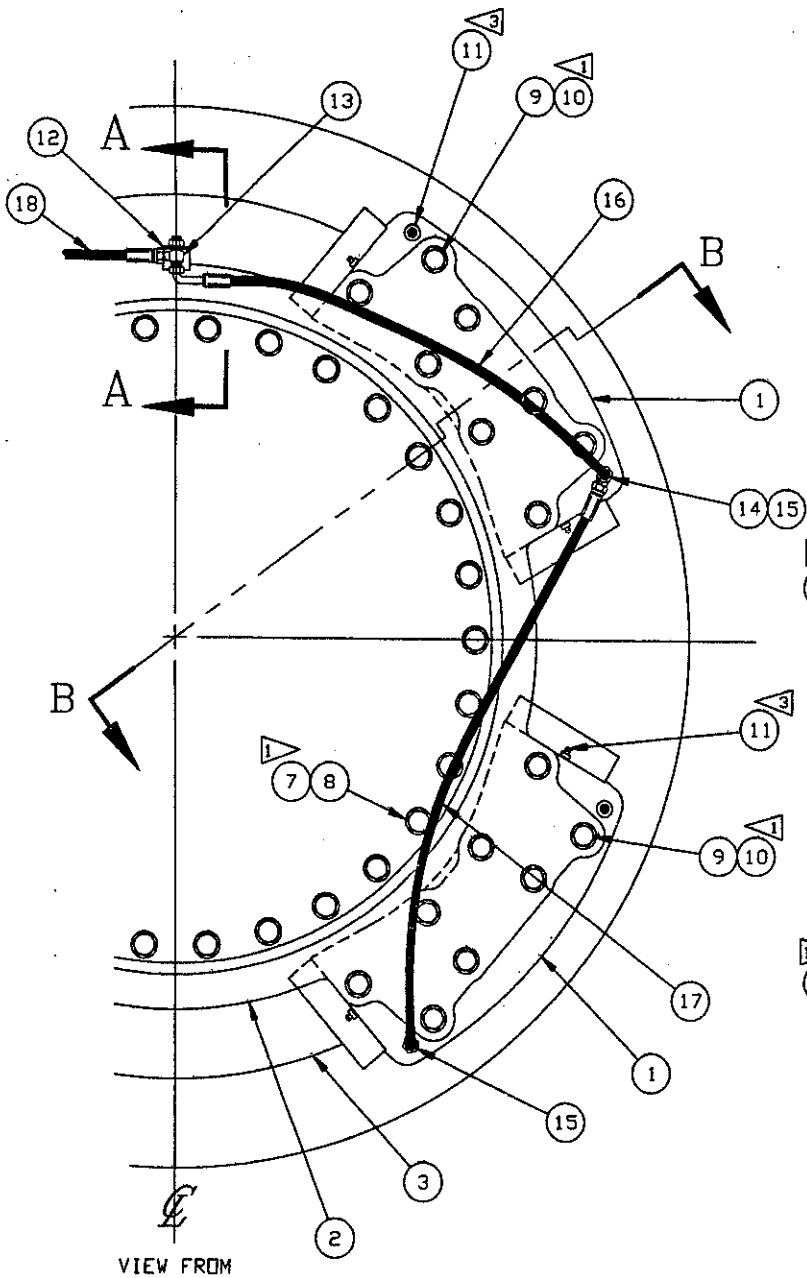
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A84196

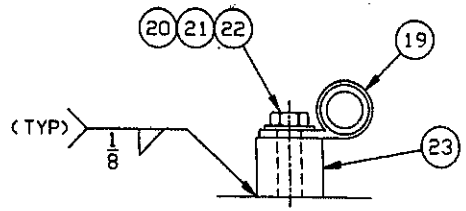
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REL. DR. ELLIS

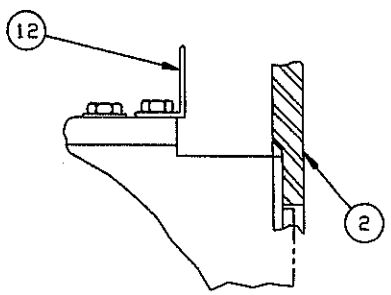
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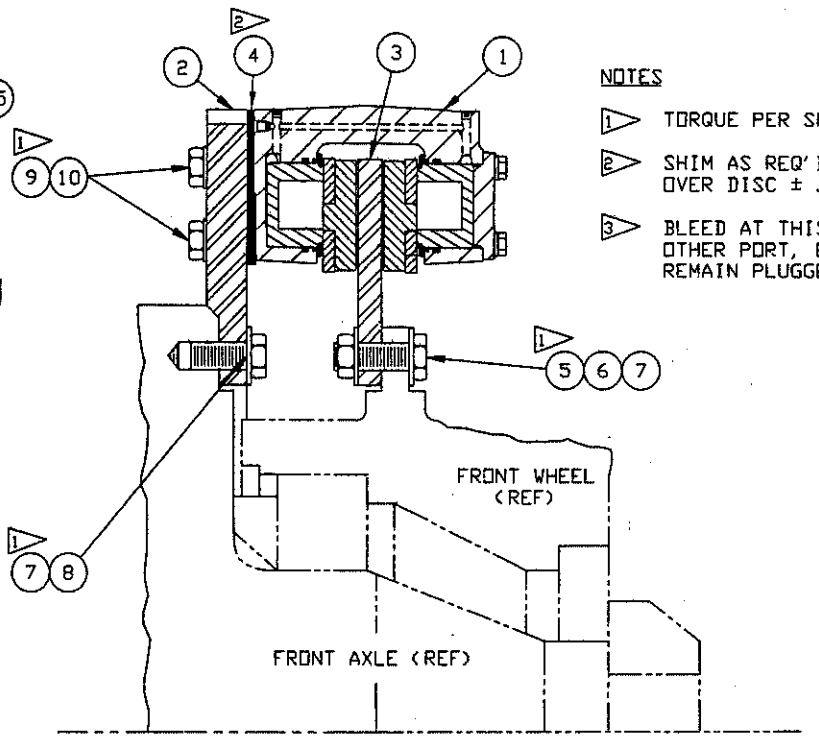
VIEW FROM CENTER OF TRUCK



LOCATE AS REQUIRED TO SECURE BRAKE LINES TO BRACKET (1 PLACE EA. HOSE)



VIEW A–A



VIEW B–B

NOTES

1. TORQUE PER SPEC 02-475.
2. SHIM AS REQ'D TO CENTER CALIPER OVER DISC ± .050.
3. BLEED AT THIS INLET PORT - ANY OTHER PORT, EXCEPT SUPPLY, TO REMAIN PLUGGED.

UNIT RIG
CAD SIZE 2

FRONT BRAKES - CARLISLE

A84196

BI115389

A84196B

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	4		*55890*	CALIPER-FRONT BRAKE SLANT SEALS
	2	1		75666K	BRACKET-BRAKE MOUNT
	3	1		75662C	DISC, BRAKE(WHL SPEED) 46" OD
	4	24		75668C	SHIM-BRAKE
	5	30		18641	CAPSCREW, HX, 1-1/4-7NC X 4 GR 8
	6	30		29980	NUT, HX, 1-1/4-7NC GR8 ZP STEEL GR 8
	7	60		17026	WASHER, FL, HARDND, 1-1/4 X 2.750 OD
	7	30		17026	WASHER, FL, HARDND, 1-1/4 X 2.750 OD
	8	30		2405	CAPSCREW, HX, 1-1/4-7NC X 3-1/2 GR 8
	9	32		52051	CAPSCR, HX, 1 1/4-12NF X 4 GR 8
	10	32		62770B	WASHER, FL, HARDND, 1-1/4 X 2.270 OD, .37 THICK
	11 R	8		913151	BLEEDER
	12	1		82859B	ANGLE BULKHEAD MNTG
	13	1		53386-0606	ADAPTER, BHD RUN TEE #6 ORS, BULKHEAD RUN X #6 ORS, MALE
	14	2		53379-0606	ADAPTER, TEE #6 ORS, FEMALE RUN X #6 ORS, MALE
	15	4		53360-0604	ADAPTER, STRAIGHT #6 ORS, MALE X #4 O-RING, MALE
	16	1		84317B-031	HOSE ASSY FC310-06 31"LG W/FJ9891 & FJ9893 FTGS
	17	2		84315B-037	HOSE ASSY FC310-06 37"LG W/FJ9891 FTGS
	18	1		84315B-037	HOSE ASSY FC310-06 37"LG W/FJ9891 FTGS
	19	4		19083	CLAMP-CUSHION 3/4
	20	4		10001	CAPSCREW, HX, 1/4-20NC X 3/4 GR 5
	21	4		10162	WASHER, FL, 1/4 X 0.625 OD
	22	4		10178	WASHER, LK, HELI, 1/4 X .489 OD
	23	4		34083	PAD-BOLTING, 1/4-20 3/4" O.D. X 3/4 LG.
	24 R	1		A84196	DWG ONLY, FRONT BRAKES

QUAD CARLISLE J-6 CALIPERS W/46" DISC. FOR MT4400; USES ORS HOSES. W/SLANT SEALS

*SEE SERVICE PARTS

TEREX MINING

FRONT BRAKE ASSEMBLY

SHEET 1 OF 1

A84196B

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DR. SHAW
ENG. APP. TLD
REL. CK. ELLIS

93051
89969
E.N. NO.

SECTION 9 - CAB

DESCRIPTION	ASSEMBLY
24V Supply	86007C
Air Conditioner Assembly, Cab	A84788N
Brake Drag Warning	82650U
Cab Air Conditioner Assembly	A84788N
Cab Configuration Assembly	86222BT
Cab Dash and Shroud Assembly	A84230E
Cab Electrical Assembly	A85142K
Cab Gauge Assembly, Color Coded	77904S
Cab Harness Installation	85103M
Cab Seat Belt Assembly	A84375E
Cab Shifter Assembly	A84217E
Cab Steering Column/Wheel Assembly	A85196B
Cab Windshield Washer Assembly	A85115A
Cab Windshield Wiper Assembly	A83432B
Cab, R.O.P.S. w/ABS Panels	A85100B
Certification Label Assembly, R.O.P.S.	A84399A
Dash and Shroud Assembly, Cab	A84230E
Dash Configuration Assembly, Cab	86222BT
Electrical Assembly, Cab	A85142K
Electronic Throttle	81161M
Gauge Assembly, Cab - Color Coded	77904S
Harness Installation, Cab	85103M
Heater Assembly, R.O.P.S. Cab	A83419C
Indicator, Restriction	A85412A
Operator's Seat Assembly	A84563S
Passenger Seat Assembly	A84563T
Pedal Assembly, Retard	80169J
R.O.P.S. Cab Electrical Assembly	A85142K
R.O.P.S. Cab Heater Assembly	A83419C
R.O.P.S. Cab w/ABS Panels	A85100B
R.O.P.S. Certification Label Assembly	A84399A
Radio Installation, AM/FM Cassette	A86319C
Restriction Indicator	A85412A
Retard Pedal Assembly	80169J
Seat Assembly, Operator's	A84563S
Seat Assembly, Passenger	A84563T
Seat Belt Assembly	A84375E
Shifter Assembly, Cab	A84217E
Speedometer and Tachometer Assembly	81116K
Steering Column/Wheel Assembly	A85196B
Tachometer and Speedometer Assembly	81116K

SECTION 9 - CAB

DESCRIPTION	ASSEMBLY
Throttle, Electronic	81161M
Warning, Brake Drag	82650U
Washer Assembly, Windshield - Cab	A85115A
Windshield Washer Assembly, Cab	A85115A
Windshield Wiper Assembly	A83432B
Wiper Assembly, Windshield	A83432B

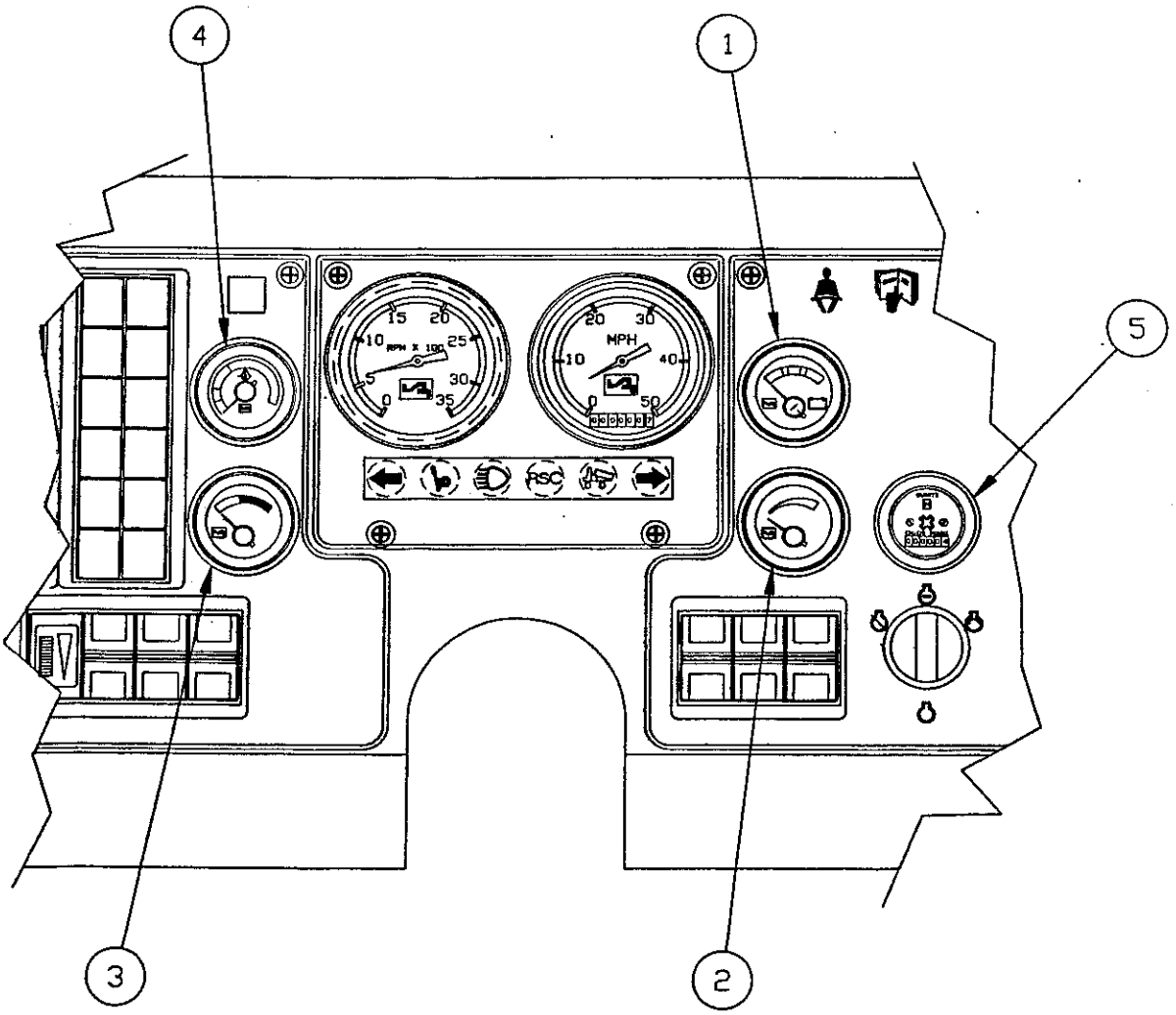
77904S

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		*83484A*	GAUGE, VOLTMETER
S	2	1		*83484C*	GAUGE-FUEL(PLASTIC FACE)
S	3	1		*83485A*	GAUGE, TEMP, WATER
S	4	1		*83486B*	GAUGE-OIL PRESS, 100 PSI
	5	1		51341	GAUGE-HOURMETER, 24V

COLOR CODED. INCLUDES
ENGINE OIL PRESS
ENGINE COOL TEMP
FUEL LEVEL
VOLTMETER

NOTES:

1. SEE CAB CONFIGUARATION ASSEMBLY FOR GAUGE LOCATION VERIFICATION
2. WIRE PER SCHEMATIC.



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ENG. APP. MASSIE
REL. CK. ELLIS

92925
RED
88441
E.N. NO.

*SEE SERVICE PARTS

TEREX MINING

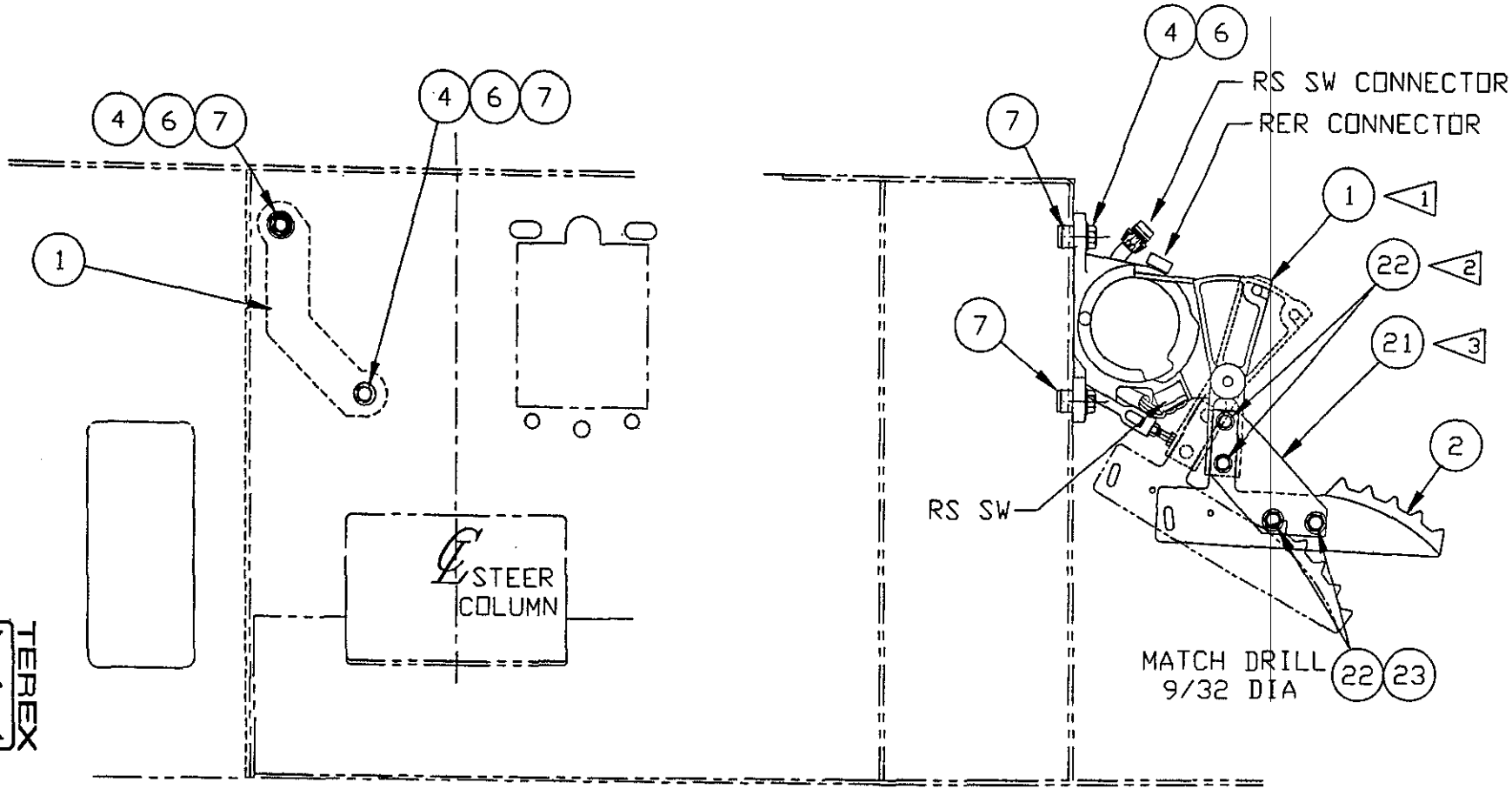
CAB GAUGE ASSY
COLOR CODED

77904S

E.N. NO.	92347	92762						REL. CK. ELLIS	ENG. APP. SLF	DR. T. DODEN

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ALVERT-TEREX 80169J



TEREX MINING™

RETARD PEDAL ASSY

SHEET 1 OF 2

80169J

NOTE:

1. REMOVE THROTTLE PEDAL AND ARM FROM ITEM #1. REUSE HARDWARE TO ATTACH NEW PEDAL, ITEM #2. REMOVE PEDAL AND SPRING FROM REMOVED ARM AND RESTOCK AS P/N'S 53910 AND 53911. DISCARD ARM.
2. COMPLETE TAPPING OF 1/4-20 NC HOLES AND INSTALL THESE ITEM 22 BOLTS FI
3. GRIND CASTING NO. OFF PEDAL (I REQ'D).

BI115389

80169J

ITM	QTY	UM	COMPONENT	DESCRIPTION
S 1	1		*53490*	PEDAL, ELECTRONIC
2	1		78049C	PEDAL, RETARDER
4	2		10535	CAPSCREW, HX, 5/16-18NC X 1-1/4 GR 5
6	2		10163	WASHER, FL, 5/16, ZP X .687 OD
7	2		55865	NUT, INSERT, 5/16-18UNC
21	1		84081A	PLATE, REINFORCEMENT
22	4		12315	CAPSCREW, HX, 1/4-20NC X 1-1/4 GR 5
23	2		15675	NUT-HX, CRNLK 1/4-20NC STD GR B

FOR ROPS CAB. USES WILLIAMS ELECTRONIC PEDAL.

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92347
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RETARD PEDAL ASSY

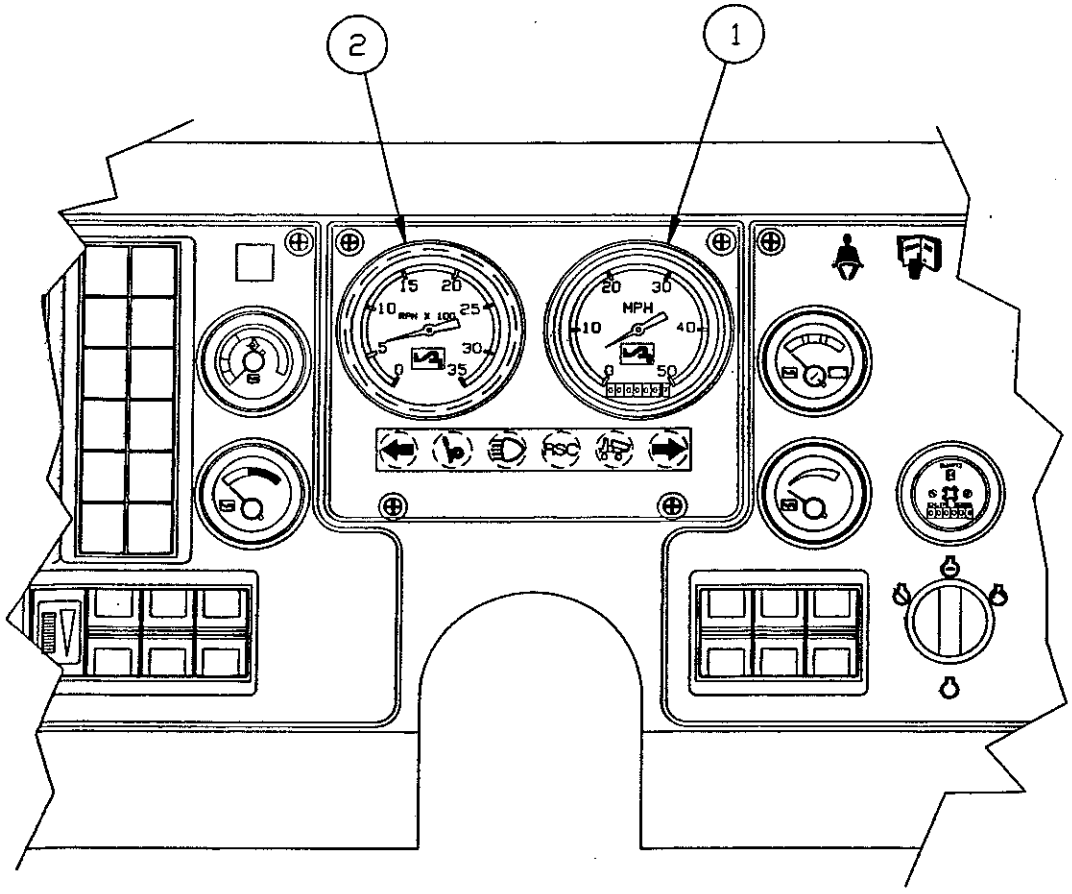
81116K

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		*83378B*	GAUGE, SPDMTR(MPH), 24V WITH ODOMETER
S	2	1		*83378H*	GAUGE, TACHOMETER

ANALOG GAUGES -
0-50 MPH W/ODOMETER
0-3500 RPM

NOTES:

1. SEE CAB CONFIGUARATION ASSEMBLY FOR GAUGE LOCATION VERIFICATION
2. WIRE PER SCHEMATIC.



*SEE SERVICE PARTS

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DR. JAMES R
ENG. APP. FAULKNER
REL. CK. ELLIS

92925
RED
87008
E.N. NO.

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SPEEDO & TACH ASS'

SHEET 1 OF 1

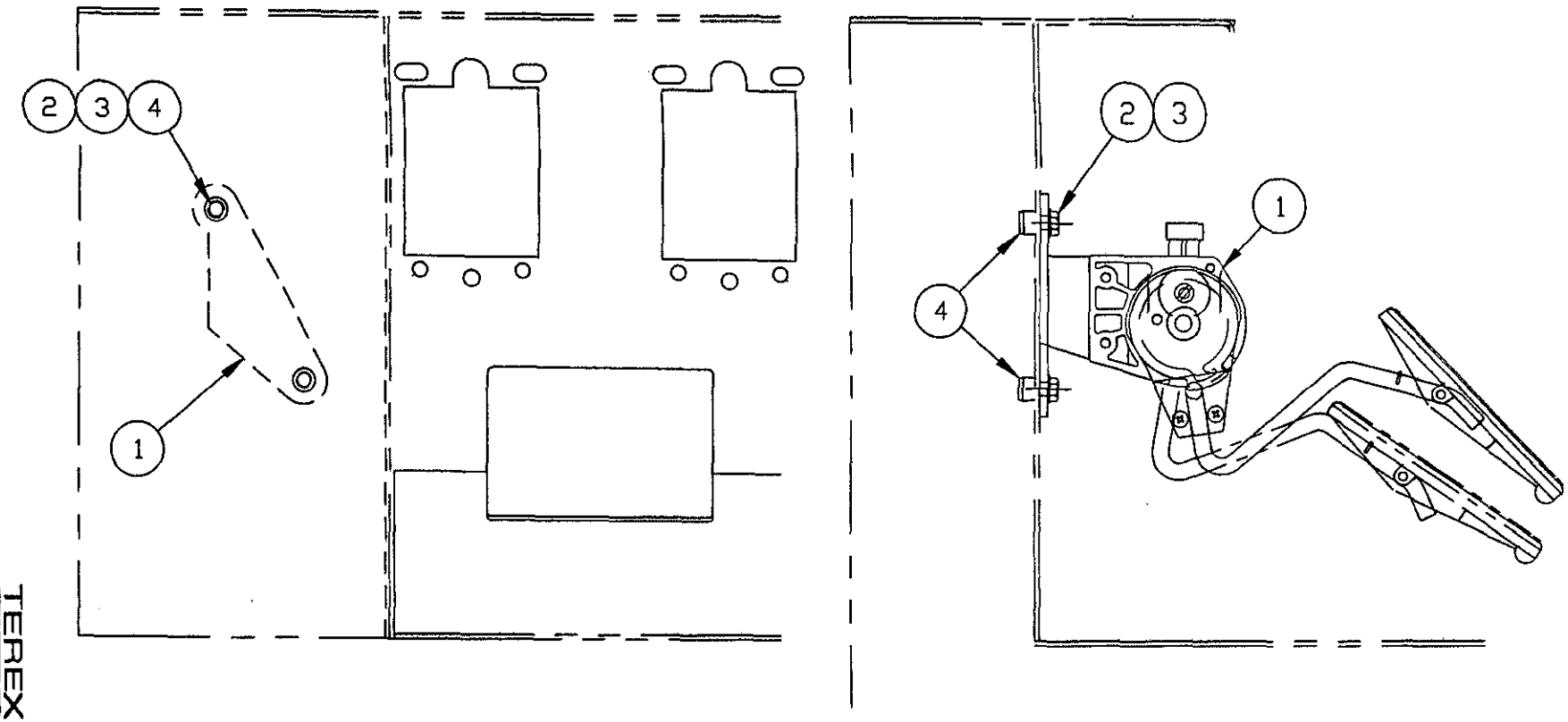
81116K

E.N. NO. 90335 92347

DR. MASSIE | ENG. APP. SLF | REL CK. ELLIS

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ALVERT-TEREX 81161M



TEREX MINING™

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	1	1		*83461B*	THROTTLE, ELECTRONIC
	2	2		10179	WASHER, LK, HELI, 5/16 X .586 OD
	3	2		10008	CAPSCREW, HX, 5/16-18NC X 1 GR 5
	4	2		55865	NUT, INSERT, 5/16-18UNC

*SEE SERVICE PARTS

ELECTRONIC THROTTLE

SHEET 1 OF 1

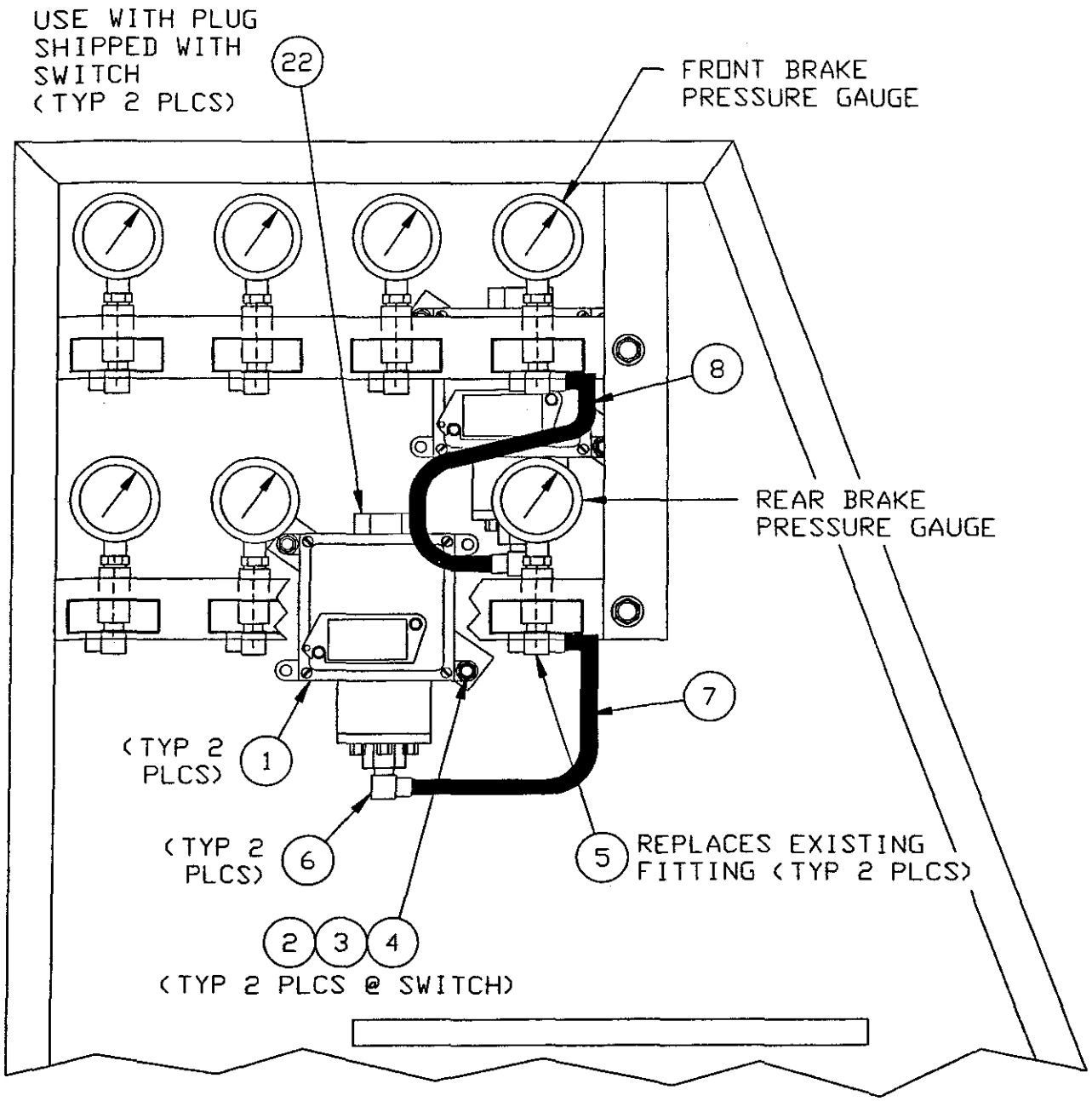
81161M

BI115389

82650U

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ENG. APP. DODEN
REL. CK. ELLIS



HYDRAULIC COMPONENT BOX
BEHIND CAB (DOOR REMOVED)

WIRE PER 'OPTION' SCHEMATIC

93414
E.N. NO.

TEREX MINING™

BRAKE DRAG WARNING

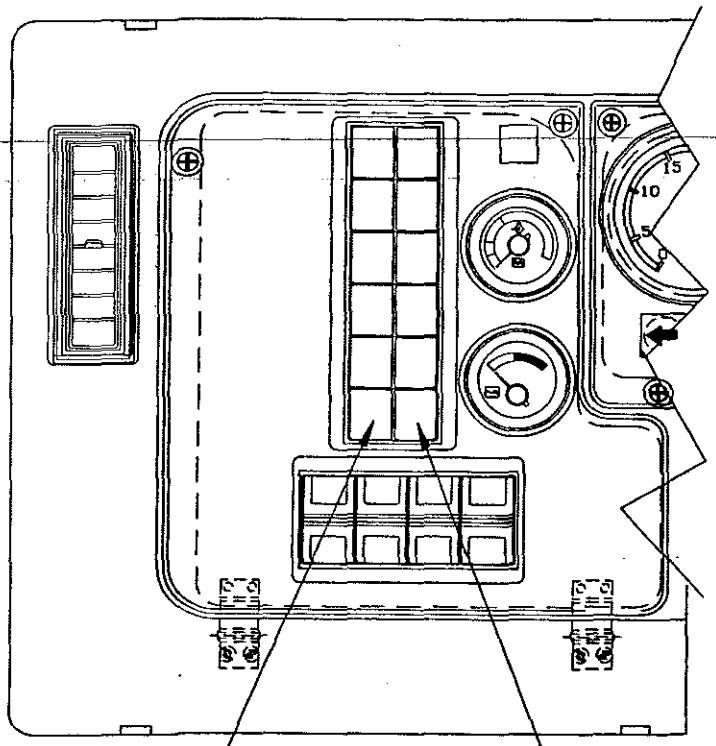
SHEET 1 OF 3

82650U

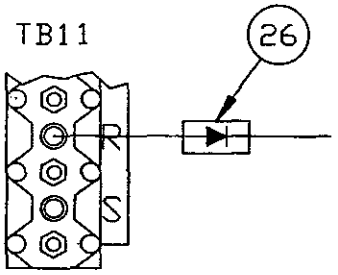
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ENG. APP.
REL. CK.

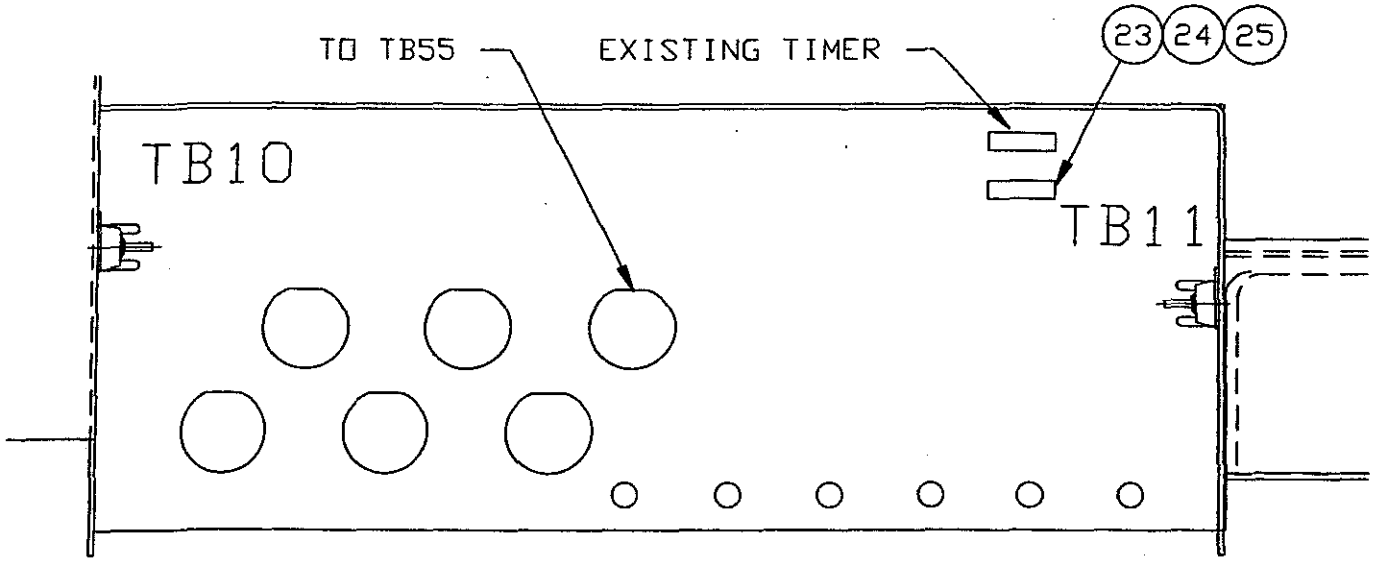


WIRE PER OPTION SCHEMATIC
SEE TRUCK SPEC



TYPICAL DIODE LOCATION
(LOCATE PER SCHEMATIC)

10 11 SEE CAB CONFIGURATION FOR LOCATION 10 12 15 16



FRONT OF CAB

93414
E.N. NO.

TEREX MINING

BRAKE DRAG WARNING

SHEET 2 OF 3

82650U

82650U

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	2		53402	SWITCH-PRESSURE
	2	4		12315	CAPSCREW, HX, 1/4-20NC X 1-1/4 GR 5
	3	4		15675	NUT-HX, CRNLK 1/4-20NC STD GR B
	4	4		10162	WASHER, FL, 1/4 X 0.625 OD
	5	2		53365-0404	ADAPTER, TEE, BRANCH #4 ORS MALE BRANCH X #4 ORB MALE
	6	2		53369-0404	ADAPTER, 90 ORS/NPTF #4 ORS, MALE X 1/4 NPT MALE
	7	1		84317A-016	HOSE ASSY FC310-04 16"LG W/FJ9891 & FJ9893 FTGS
	8	1		84317A-016	HOSE ASSY FC310-04 16"LG W/FJ9891 & FJ9893 FTGS
S	10	2		* 83340B *	LIGHT-IND (83340A-Z) WITH RED FILTER
	11	1		84705A	CARD-IND(DWG A-Z) BRAKE DRAG, FRONT BRAKES
	12	1		84705B	CARD-IND(DWG A-Z) BRAKE DRAG, REAR BRAKES
	15	2		21428	TERMINAL-FEMALE TAB 1/4 WIDE, 16-14 AWG
	16	2		20708	TERMINAL-FEMALE TAB 1/4" WIDE, 22-18 AWG
	17	4		20690	TERMINAL RING TONGUE #6 HOLE, 22-16 AWG
	17	3		20690	TERMINAL RING TONGUE #6 HOLE, 22-16 AWG
	18	4		20707	TERMINAL-RING TONGUE #10 HOLE, 18 AWG
	19	1		22755	TERMINAL-BUTT 16-14 AWG
	20	14	FT	24582	CABLE-18AWG
	21	20	FT	53398	CABLE-20GA SING. /WIRE
	22 R	10	QT	52845	SILICONE-RTV
	23	1		55720	MODULE, TIMING 1 TO 1024 SEC'S DELAY ON MAKE
	24	2		25650	SCREW, MACH, RHD, 6-32NC X 5/8 GR 2
	25	2		10122	NUT-HEX(6-32 NC)
	26	1		25487	DIODE-SILICON 3 AMP CAPACITY

*SEE SERVICE PARTS

PRESSURE SWITCHES MOUNTED IN HYD COMPONENTS BOX. FOR MT2700B, MT30/3300, MT36/3700B, MT4400AC AND MT5500 WITH PRESSURE GAUGES THAT HAVE O-RING BOSS THREADS.

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BRAKE DRAG WARNING

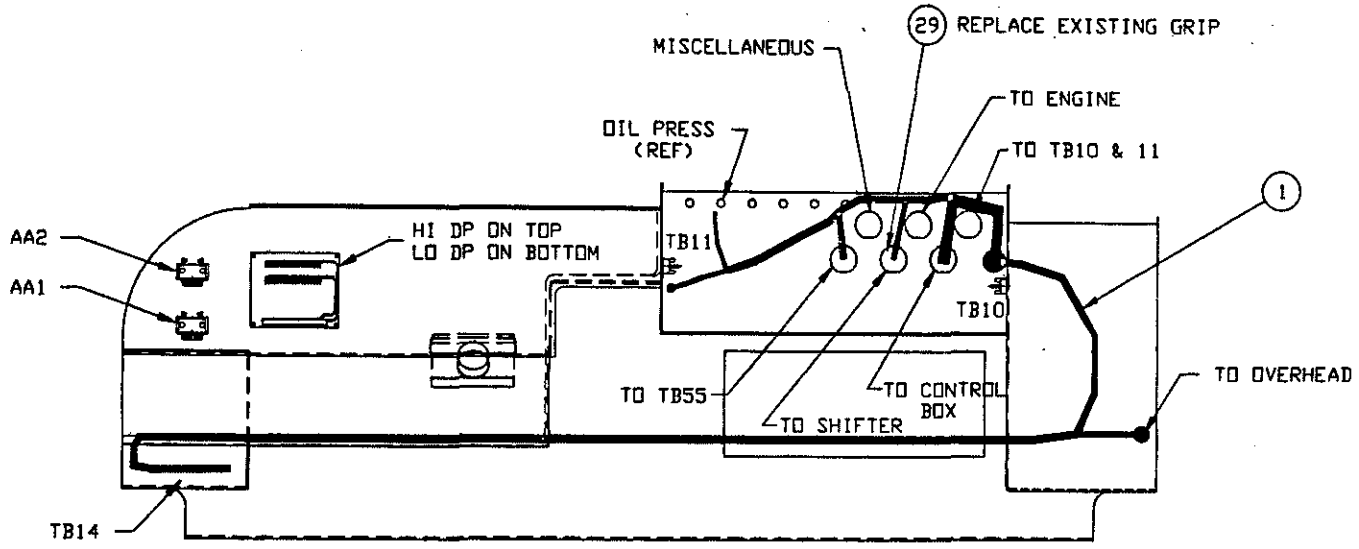
82650U

85103M

ALL WIRING PER APPROPRIATE 24V OR OPTION SCHEMATIC.
NOTE: HARNESS #84205H CONTAINS ADDITIONAL WIRES, FOR OPTIONS OR ACCESSORIES, WHICH WILL NOT BE REQUIRED PER THIS INSTALLATION. THESE WIRES SHOULD BE ROUTED TO THEIR TERMINATION AREA, FOLDED BACK AND INSULATED.

INSTALLATION GUIDELINES

1. PLACE DASH (WITH ALL COMPONENTS) IN FIXTURE.
2. PLACE CAB HARNESS (84205H) SUCH THAT BRANCHES LINE UP WITH APPROPRIATE DASH PANELS.
3. CONNECT WIRES TO "H/TLT SW" PANEL PER SHEET 2.
4. PLUG IN CONNECTORS FOR SPD M, TAC M, AND INDPC.
5. WIRE "ES/S SW" PANEL PER SHEET 3.
6. PLUG IN CONNECTOR FOR FAN SW.
7. MOUNT COMPONENTS AND WIRE "TB15" PANEL PER SHEET 4.
8. MOVE DASH AND HARNESS TO CAB SHELL.
9. ROUTE HARNESS BRANCHES TO GENERAL AREA WHERE THEY WILL BE TERMINATED.
10. CONNECT WIRES PER SHEET 5 FOR GND16, AA1, AND AA2.
11. PLUG IN CONNECTORS FOR LO DP, HI DP, AND FBK SW.
12. PLUG IN CONNECTORS FOR H AND MF SW ON STEERING COLUMN.
13. PLUG IN CONNECTORS FOR RP RH AND TP RH AT FOOT PEDALS.
14. CONNECT CB1 THROUGH CB9 AND AL TMR PER SHEET 5.
15. MOUNT PSSC CONNECTORS AND LIGHTER INTO ASHTRAY BRACKET.
16. PLUG IN CONNECTORS FOR FAN MOT1, FAN MOT2, FAN RES1A, FAN RES1B, FAN RES2A, AND FAN RES2B.
17. REMOVE CONNECTORS "WR MOT" AND "WR SW" THEN ROUTE WIRES TO OVERHEAD. CONNECT WIRE IN OVERHEAD PER SHEET 5.
18. CONNECT WIRES TO GND17, CS, AND M SW PER SHEET 6.
19. CONNECT WIRES TO E0 PSW AND GND15 PER SHEET 6.
20. CONNECT WIRES IN SHIFTER BOX PER SHEET 7 & 8.
21. PREPARE BRANCH TO CONTROL BOX PER SHEET 9 & 10.
22. PREPARE BRANCH TO HYDRAULIC BOX PER SHEET 11.
23. ADD ENGINE AND/OR ANY HARNESS OPTIONS.
24. ROUTE WIRE HARNESSES ON S/S PER SHEET 12.



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DR MASSIE
ENG. APP. SLF
REL. DR. ELLIS

94496
93980
93814
93774
E.N. NO.

TEREX UNIT RIG

CAB HARNESS INSTALLATION
SHEET 1 OF 13
85103M

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85103M

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ENG. APP.
REL. DT.

94496
93980
93814
93774
E.N. NO.

PTT SW

30F1 — 31F1
13C1 — JUMP*X16L
31B1 — JUMP

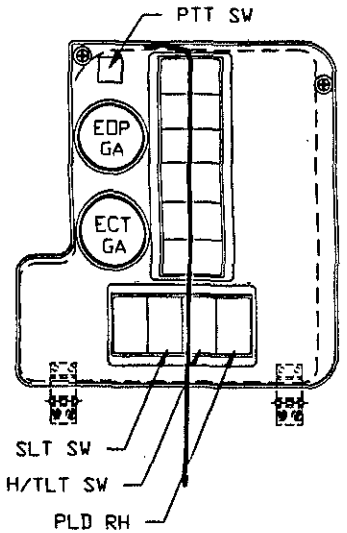
EOP GA

X16AA
+

ECT GA

30E1 30F1 30G1 30K1 30L1
I
G
S
31G1
X16Z*X16AA

CE IND	51H2	51J2	SE IND
	X16N	X16P	
HIHOT IND	50D1	30L1	LOBKP IND
	51D1*51D3	31L1*31L3	
LOHOL IND	30K1	51F3	LOSTRP IND
	31K1*31K3	X16G	
AL IND	51C2	30E1	LOF IND
	X16E	31E1*31E3	
SF2 IND	80C1	80F1	SF IND
	8BD2*8BD3	8BB2*8BB3	
		80K1	RCON IND
		8FA1*8FA2	



NOTE: PLUG IN CONNECTORS FOR 'SLT SW' AND 'H/TLT SW'.

PLD RH

JUMP*13F1
JUMP
X16Z*X16K
13G1

TEREX
UNIT RIG

CAB HARNESS INSTALLATION
SHEET 2 OF 13
85103M

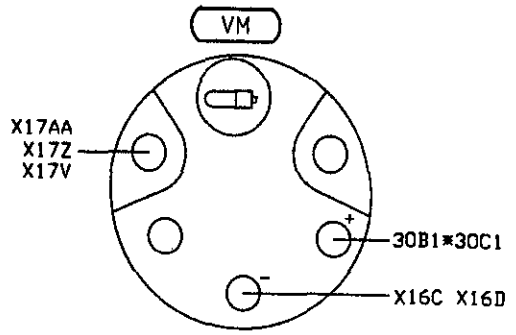
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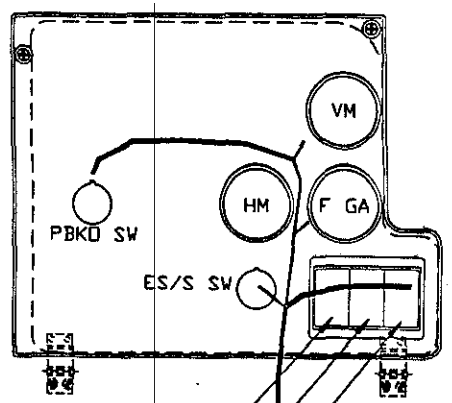
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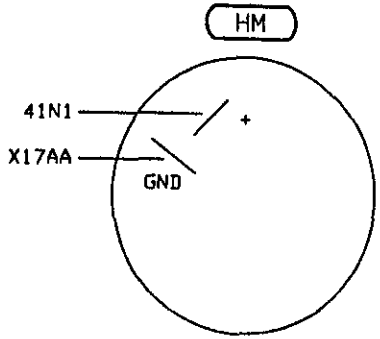
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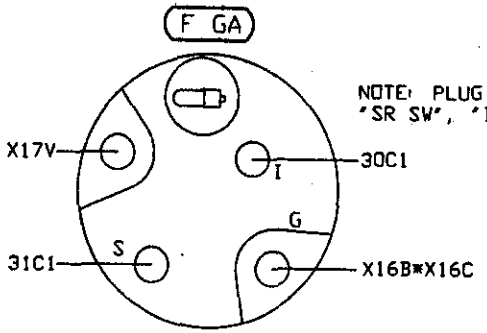
MASSIE

94496
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E.N. NO.





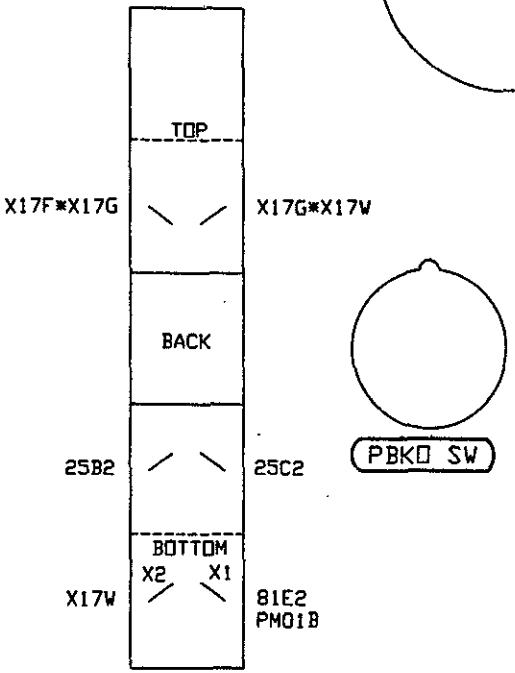


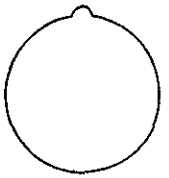


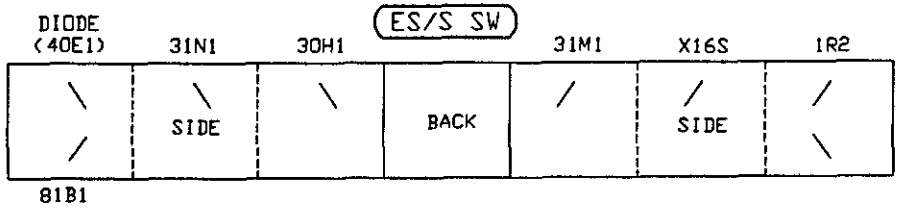
NOTE: PLUG IN CONNECTORS FOR 'SR SW', 'DS SW', AND 'ALT SW'.

SR SW
DS SW
ALT SW

NOTE: PLUG IN DC/AC CONV1 CONNECTOR. VERIFY X17J WIRE CONNECTS TO BLACK WIRE.







TEREX
UNIT RIG

CAB HARNESS INSTALLATION

SHEET 3 OF 13

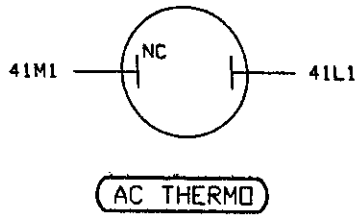
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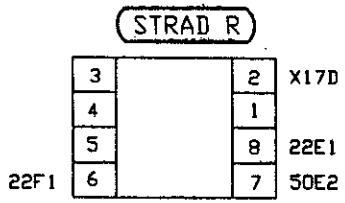
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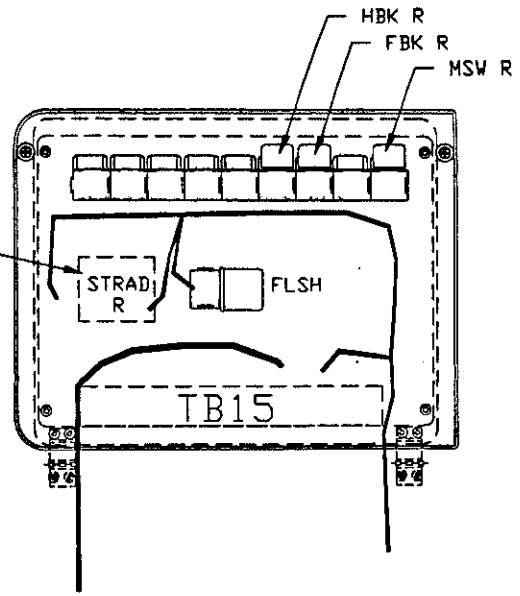
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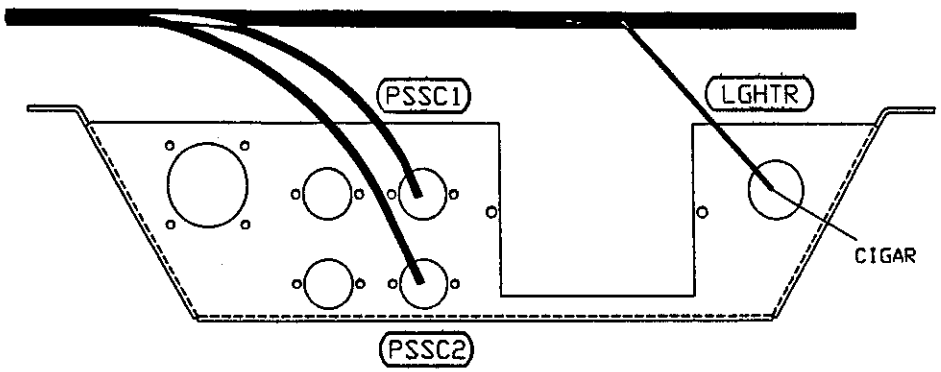
BI115389

85103M









NOTE: MOUNT RELAY SOCKETS AND FLSH SOCKET ON PANEL.

DR.	MASSIE
DRG. APP.	
REL. DT.	
94496	
93980	
93814	
93774	
E.N. NO.	

TEREX UNIT RIG

CAB HARNESS INSTALLATION

SHEET 4 OF 13

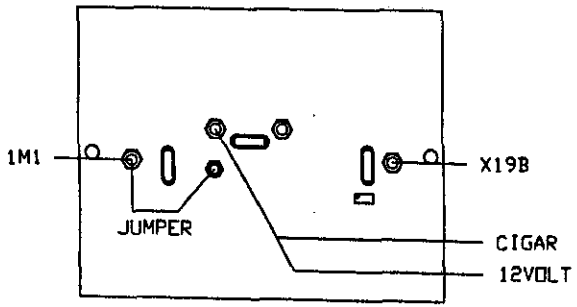
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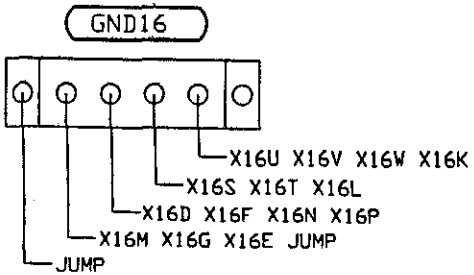
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ENG. APP.
REL. DR.

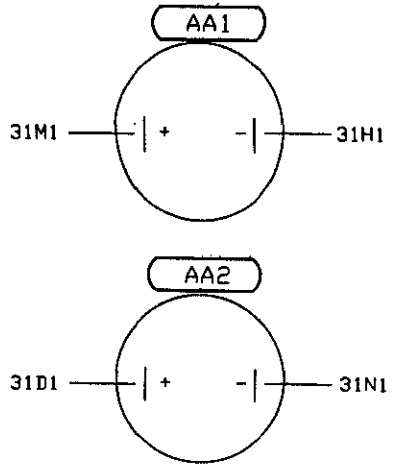
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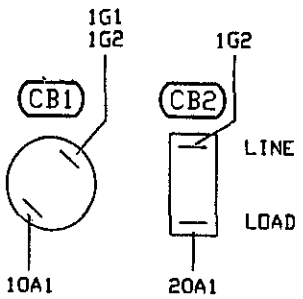


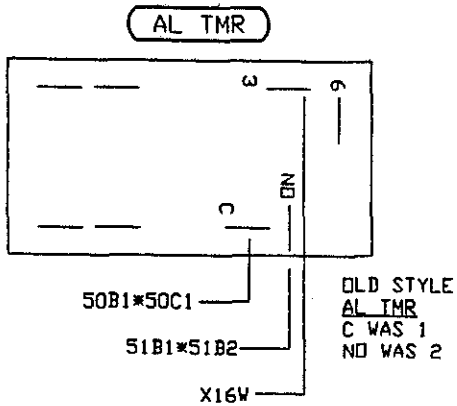
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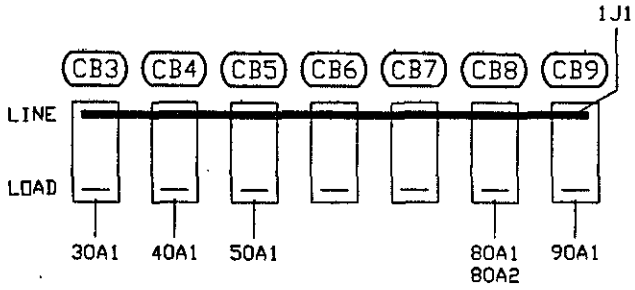


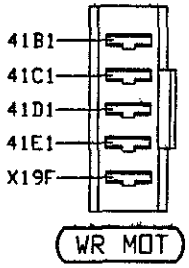
NOTE: GROUND WIRES MAY BE CONNECTED IN DIFFERENT POSITION THAN SHOWN ABOVE BUT ALL WIRES SHOWN MUST BE ON ONE OF THE FOUR STUDS.

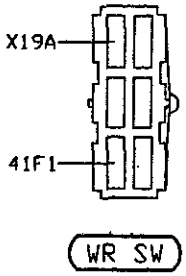


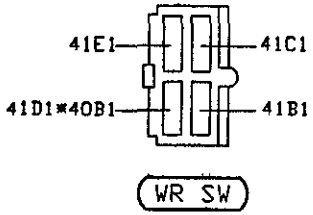


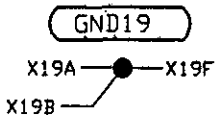














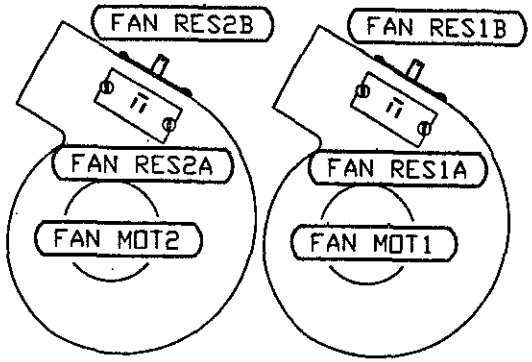
TEREX
UNIT RIG

CAB HARNESS INSTALLATION
SHEET 5 OF 13
85103M

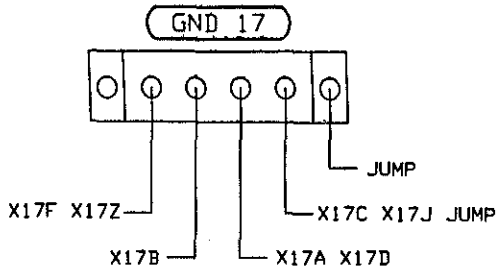
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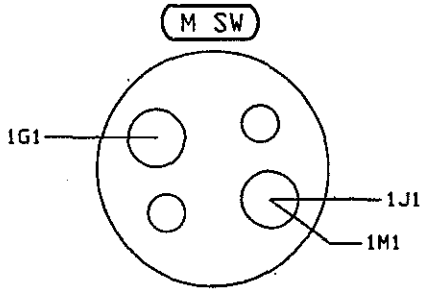
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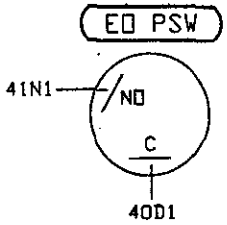


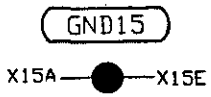




NOTE: GROUND WIRES MAY BE CONNECTED IN DIFFERENT POSITION THAN SHOWN ABOVE BUT ALL WIRES SHOWN MUST BE ON ONE OF THE FOUR STUDS.







E.N. NO.	
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MASSIE

TEREX UNIT RIG

CAB HARNESS INSTALLATION

SHEET 6 OF 13

85103M

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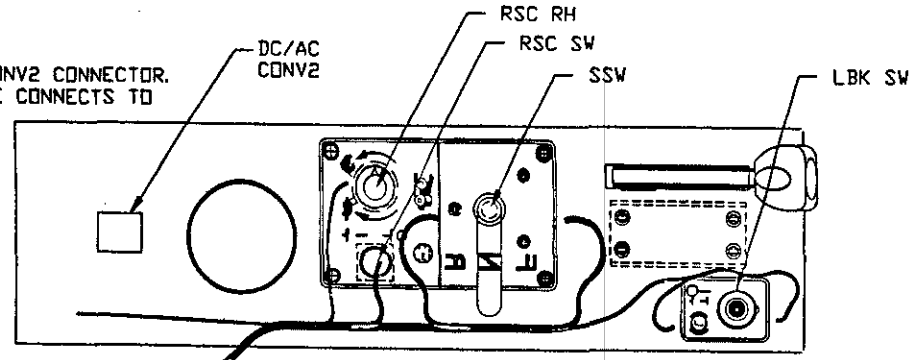
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REL. DR.

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E.N. NO.

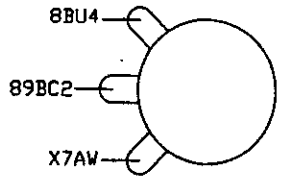
NOTE: PLUG IN DC/AC CONV2 CONNECTOR. VERIFY X15E WIRE CONNECTS TO BLACK WIRE.

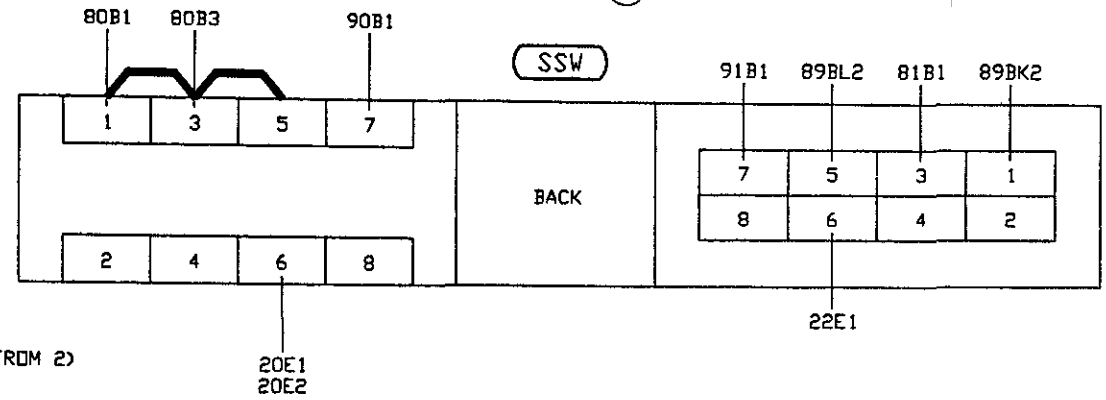


NOTE: COVER WIRE BUNDLE FROM GRIP AT FRONT OF CAB TO CENTER CONSOLE WITH 72 INCHES OF SPLIT CONDUIT (ITEM 13).

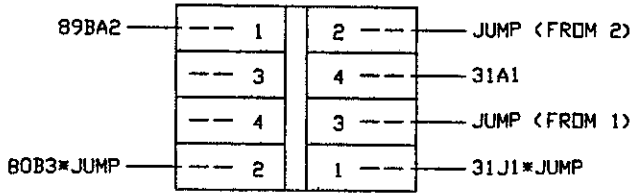
13

RSC RH

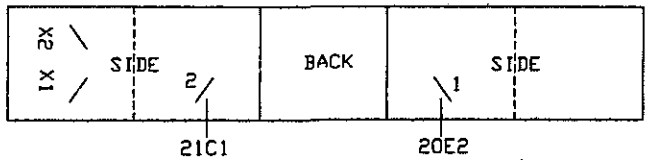




RSC SW



LBK SW



TEREX UNIT RIG

CAB HARNESS INSTALLATION

SHEET 7 OF 13

85103M

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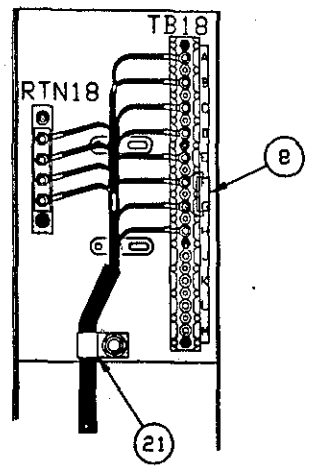
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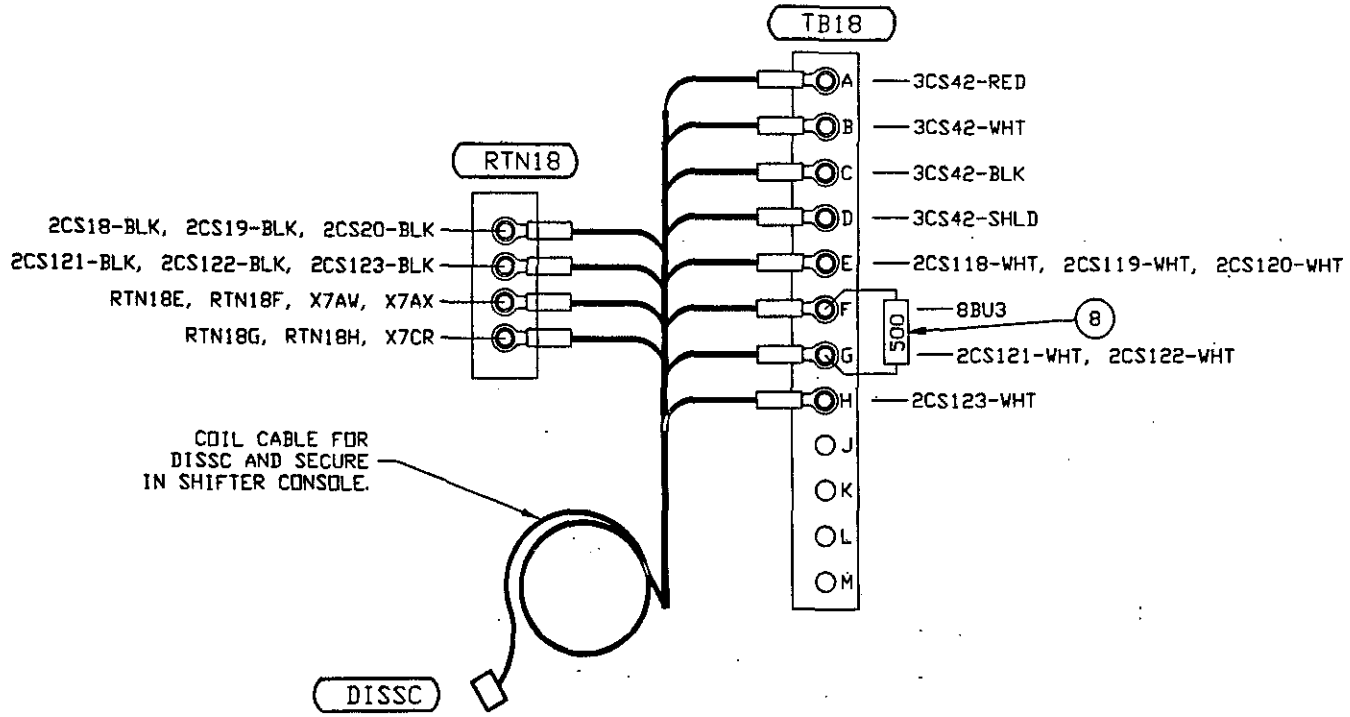
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REL. DT.

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E.N. NO.

INSIDE SHIFTER CONSOLE
(BACK WALL)





TEREX
UNIT RIG

CAB HARNESS INSTALLATION
SHEET 8 OF 13
85103M

BI115389

FROM	TERMINAL	WIRE #	WIRE SIZE
CNX2-A	84067N	WHT	2CS118
CNX2-B	84067N	BLK	2CS118
CNX2-C	84067N	WHT	2CS119
CNX2-D	84067N	BLK	2CS119
CNX2-E	84067N	WHT	2CS120
CNX2-F	84067N	BLK	2CS120
CNX2-G	84067N	WHT	2CS121
CNX2-H	84067N	BLK	2CS121
CNX2-J	84067N	WHT	2CS122
CNX2-K	84067N	BLK	2CS122
CNX2-L	84067N	WHT	2CS123
CNX2-m	84067N	7E4-WHT	2CS08
CNX2-M	84067N	BLK	2CS123
CNX2-n	84067N	7F4-BLK	2CS08
CNX2-P	84067N	89BF2	18
CNX2-t	84067N	SHLD	2CS08
CNX2-V	84067N	RTN18F	18
CNX2-Z	84067N	BP24V190	18
CNX3-A	84067N	89BC2	18
CNX3-B	84067N	22K5	18
CNX3-C	84067S	RED	3CS42
CNX3-d	84067S	BLK	3CS41
CNX3-D	84067S	WHT	3CS42
CNX3-f	84067N	7A4-WHT	2CS07
CNX3-H	84067S	BLK	3CS42
CNX3-k	84067S	WHT	3CS20
CNX3-K	84067N	RTN18E	18
CNX3-m	84067N	RTN18H	18
CNX3-D	84067N	SHLD	3CS42
CNX3-q	84067S	RED	3CS20
CNX3-R	84067N	7B4-BLK	2CS07
CNX3-r	84067S	BLK	3CS20
CNX3-s	84067N	SHLD	3CS20
CNX3-t	84067N	89BB2	18
CNX3-V	84067S	WHT	3CS41
CNX3-W	84067S	RED	3CS41
CNX3-w	84067S	RED	3CS43
CNX3-x	84067N	SHLD	3CS43
CNX3-X	84067N	SHLD	3CS41
CNX3-y	84067S	WHT	3CS43
CNX3-Y	84067N	SHLD	2CS07
CNX3-z	84067S	BLK	3CS43
CNX3-Z	84067N	BP24V190	18

FROM	TERMINAL	WIRE #	WIRE SIZE
CNX4-a	84067N	PE01	18
CNX4-B	84067S	8BW2	20
CNX4-c	84067N	25A11	18
CNX4-f	84067S	8FA1	20
CNX4-h	84067N	89AW4	18
CNX4-H	84067N	89BL2	18
CNX4-J	84067N	89BJ2	18
CNX4-M	84067S	8BB2	20
CNX4-n	84067N	PU01	18
CNX4-P	84067N	89BA2	18
CNX4-p	84067N	89BK2	18
CNX4-R	84067N	89CR2	18
CNX4-t	84067N	8EK2	18
CNX4-W	84067S	8BD2	20
CNX4-y	84067N	RTN18G	18
CNX4-z	84067N	BP24V170	18
CNX5-c	84067N	SHLD	P2C03
CNX5-d	84067N	PB01	18
CNX5-M	84067N	PP01	18
CNX5-r	84067N	80A2	18
CNX5-s	84067N	WHT	P2C03
CNX5-x	84067N	BLK	P2C03
CNX5-z	84067N	BP24V170	18
CNTRL BOX	NONE	SPR50A	18
CNTRL BOX	NONE	SPR50B	18
CNTRL BOX	NONE	SPR50C	18
CNTRL BOX	NONE	SPR50D	18
CNTRL BOX	NONE	SPR50E	18
CNTRL BOX	NONE	SPR50F	18
CNTRL BOX	NONE	20A2	18

FROM	TERMINAL	WIRE #	WIRE SIZE
DBU SW-1	20707	81W1	18
WEIGH SYSTEM	NONE	90D1	14
WEIGH SYSTEM	NONE	PAL1A	18
WEIGH SYSTEM	NONE	PB01	18
WEIGH SYSTEM	NONE	PE01	18
WEIGH SYSTEM	NONE	PG01	18
WEIGH SYSTEM	NONE	PH01	18
WEIGH SYSTEM	NONE	PM01	18
WEIGH SYSTEM	NONE	PM01B	18
WEIGH SYSTEM	NONE	PP01	18
WEIGH SYSTEM	NONE	PT01	18
WEIGH SYSTEM	NONE	PU01	18
WEIGH SYSTEM	NONE	XP20	18
WEIGH SYSTEM	NONE	XP21	18
WEIGH SYSTEM	-	P2C03	P2C03
WEIGH SYSTEM	-	P2C20	P2C20
WEIGH SYSTEM	-	P3C01	P3C01
WEIGH SYSTEM	-	P3C02	P3C02

NOTES:

1. ROUTE CONTROL GROUP WIRE PER ENGINE ELECTRICAL ASSY WITH CAB HARNESS. CONNECT ENGINE ELECTRICAL WIRES PER ENGINE ELECTRICAL ASSY USING PINS FURNISHED WITH CONNECTORS (ITEMS 2, 3, 4, 5).
2. WEIGH SYSTEM WIRES (WHEN USED) WILL REMAIN CONNECTED AND CNX2-5 WILL BE DISCONNECTED AND MOVED OUT OF THE WAY FOR RECTIFIER REMOVAL. KEEP WEIGH SYSTEM BUNDLE SEPARATE FROM CNX2-5 BUNDLE ON REAR OF CONTROL GROUP.
3. THE FOLLOWING WIRES ARE FURNISHED LOOSE WITH CAB HARNESS;

WIRE #	FROM	TO
BP24V170	CNX4-z	CNX5-z
BP24V190	CNX2-Z	CNX3-Z
PB01	CNX5-d	WEIGH SYS
PE01	CNX4-a	WEIGH SYS
PP01	CNX5-M	WEIGH SYS
PU01	CNX4-n	WEIGH SYS
P2C03-WHT	CNX5-s	WEIGH SYS
P2C03-BLK	CNX5-x	WEIGH SYS
P2C03-SHLD	CNX5-c	

CONTROL GROUP AND
WEIGH SYSTEM CONNECTIONS
CONT'D. ON SHEET 10 OF 13

TEREX
UNIT RIG

CAB HARNESS
INSTALLATION

SHEET 9 OF 13

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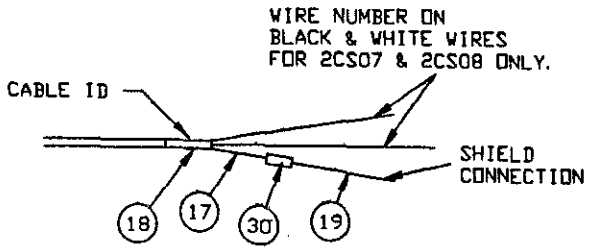
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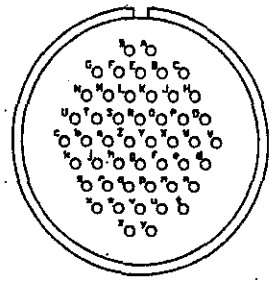
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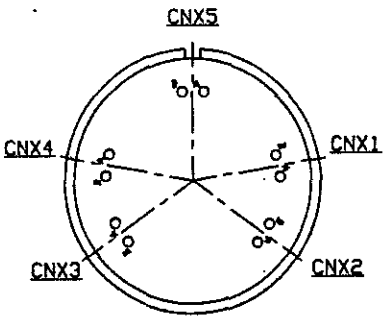
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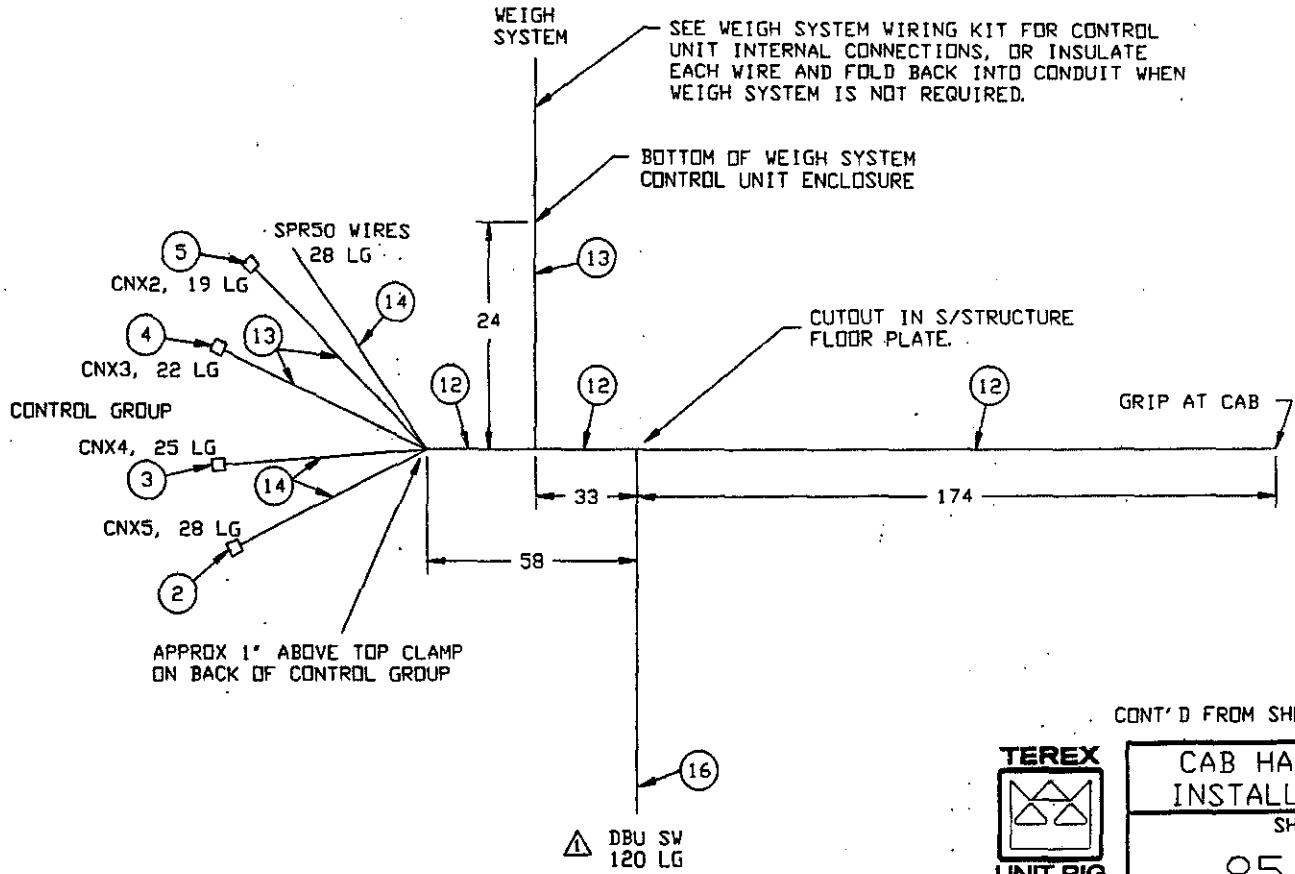
SHIELDED CABLE PREPARATION



CONTACT ARRANGEMENT
NORMAL POLARIZATION



INSERT POLARIZATION
(WIRE SIDE)



CONT'D FROM SHEET 9 OF 13

TEREX
UNIT RIG

CAB HARNESS INSTALLATION

SHEET 10 OF 13

85103M

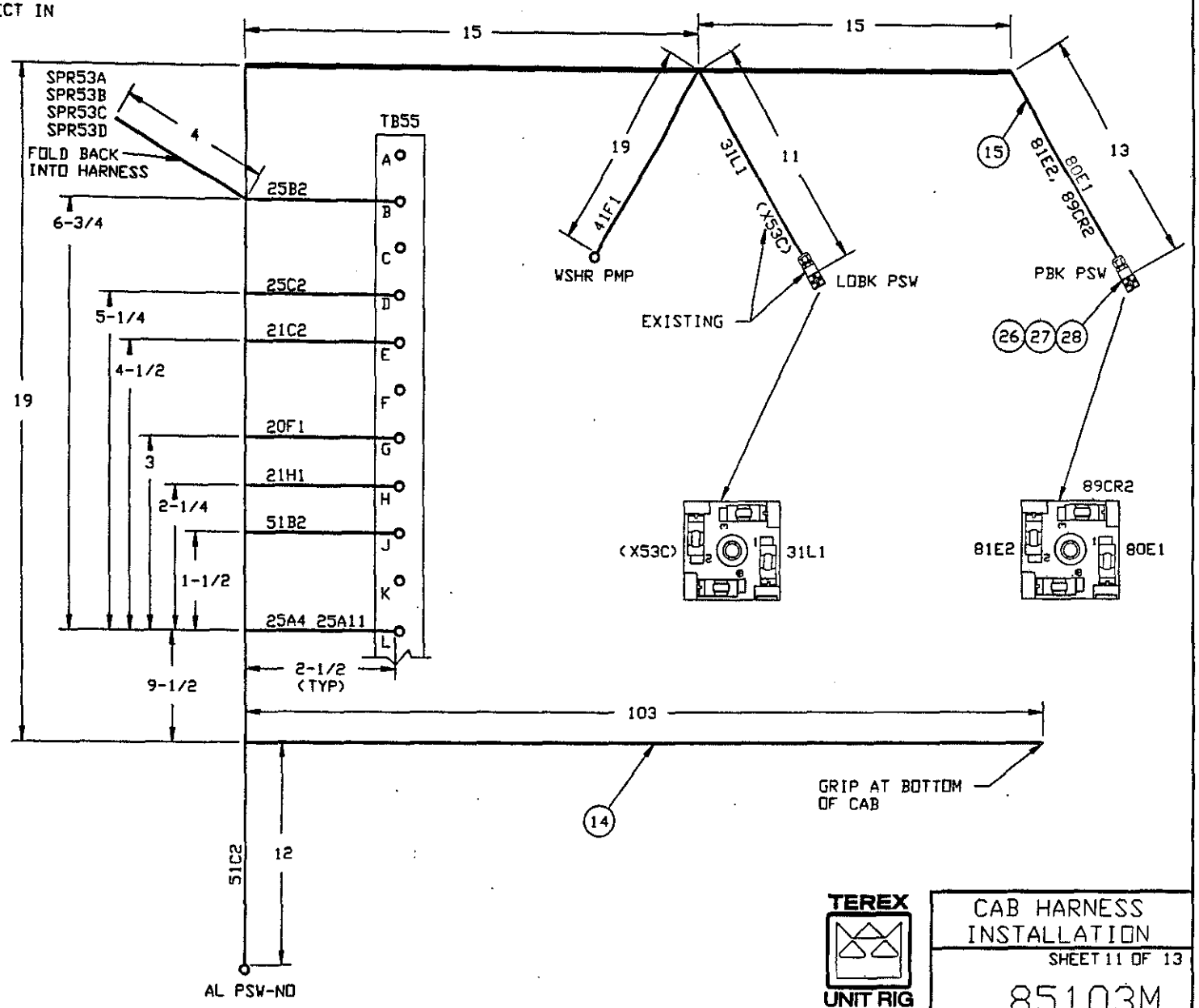
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HYDRAULIC BOX CONNECTIONS:
PREPARE WIRE HARNESS (DURING CAB ASSY) AS SHOWN TO THE RIGHT THEN CONNECT IN HYDRAULIC BOX AS FOLLOWS:

ID	WIRE#	TERMINAL
PBK PSW-3(NO)	89CR2	NONE
PBK PSW-2(NC)	81E2	NONE
PBK PSW-1(C)	80E1	NONE
LOBK PSW-1(C)	31L1	20707
WSHR PMP	41F1	20708
HYD BOX(TB55)	SPR53A	-
HYD BOX(TB55)	SPR53B	-
HYD BOX(TB55)	SPR53C	-
HYD BOX(TB55)	SPR53D	-
TB55B	25B2	20707
TB55D	25C2	20707
TB55E	21C2	20707
TB55G	20F1	20707
TB55H	21H1	20707
TB55J	51B2	20707
TB55L	25A4	20707
TB55L	25A11	20707
AL PSW-NO	51C2	20691



MASSIE	
ENG. APP.	
REL. DR.	
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93774	
E.N. NO.	

TEREX UNIT RIG SIZE C

CAB HARNESS INSTALLATION

SHEET 11 OF 13

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REL. DT.

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93774
E.N. NO.

(1) TO SHIFTER

(1) TO TB55

ROUTE SHIFTER BRANCH UNDER CAB THRU CUTOUT IN FLOOR INTO SHIFTER TOWER. (SEE SHT 7 & 8 FOR CONNECTIONS) COIL SERIAL CABLE, TY-RAP, AND LEAVE INSIDE TOWER.

ROUTE TB55 BRANCH UNDER CAB, THRU OUTBOARD CONDUIT TO AREA UNDER HYDRAULIC BOX. (SEE SHEET 11 FOR CONNECTIONS)

CLAMP AT BOTTOM OF HYDRAULIC BOX. (SEE SHT 11 FOR CONNECTIONS)

(1) TO CONTROL GROUP

ROUTE CONTROL GROUP BRANCH UNDER CAB, THROUGH OUTBOARD CONDUIT, ACROSS REAR OF S/S TO CONTROL GROUP, UP THE BACK OF THE CONTROL GROUP, THEN TO THE CONNECTORS OR WEIGH SYSTEM. SEE SHEETS 9 & 10 FOR CONNECTIONS.

CUT HOLE IN MAT, AT RT FRONT CORNER OF FLOOR CUTOUT, FOR TIGHT FIT AROUND ITEM 14

CUT 1"LG SLIT IN MAT. THIS WILL BE CLAMPED SHUT BY CONSOLE FLANGE.

FLOOR CUTOUT (REF)

SHIFTER CONSOLE

CONTROL GROUP

AUTO LUBE

HYD BOX

37 REMOVE KNOCK-OUT IN FLOOR PLATE

PLAN VIEW AT SUPERSTRUCTURE

CNX2
CNX3
CNX4
CNX5
(TYP 4 PLCS)
34 35 36
40
(TYP 4 PLCS)
42 43 44
33
(TYP 4 PLCS)

WEIGH SYSTEM CONTROL UNIT WHEN REQUIRED (REF)

WEIGH SYSTEM WIRES- INSULATE, FOLD BACK INTO CONDUIT, AND COIL WHEN NOT REQUIRED.

1

37

41 ATTACH WITH EXISTING COVER HARDWARE

FROM CAB

CAB PLATFORM (REF)

DBU SW WIRES - COIL AND LEAVE FOR LATER INSTALLATION

TO TB55 1

EXISTING 21

VIEW A—A

TEREX UNIT RIG

CAB HARNESS INSTALLATION

SHEET 12 OF 13

85103M

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ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		84205H	HARNESS, CAB WIRE
2	1		85497A	CONN, ELEC (85497A-Z) 48-#16 GOLD PINS
3	1		85497C	CONN, ELEC (85497A-Z) 48-#16 GOLD PINS 80DEG POLARIZATION
4	1		85497F	CONN, ELEC (85497A-Z) 48-#16 GOLD PINS 125DEG POLARIZATION
5	1		85497H	CONN, ELEC (85497A-Z) 48-#16 GOLD PINS 235DEG POLARIZATION
6 R	192		84067N	TERMINAL, PIN(DWG A-Z) GOLD PLATED 16-18 AWG
7	21		84067S	TERMINAL, PIN(DWG A-Z) GOLD PLATED 20-22 AWG
8	1		83848K	RESISTOR ASSY
12	20	FT	84024A	CONDUIT (DWG84024A-Z) I.D. 1.57 (40MM)
13	6	FT	84024B	CONDUIT (DWG 84024A-Z) I.D. 1.00 (25MM)
13	6	FT	84024B	CONDUIT (DWG 84024A-Z) I.D. 1.00 (25MM)
14	9	FT	84024C	CONDUIT (DWG84024A-Z) I.D. .625 (16MM)
14	7	FT	84024C	CONDUIT (DWG84024A-Z) I.D. .625 (16MM)
15	2	FT	84024E	CONDUIT (DWG84024A-Z), I.D. .413 (10MM)
⚠1 16	10	FT	84024F	CONDUIT (DWG84024A-Z) I.D. .25 (6MM)
17	24	IN	23394	SLEEVE BULK HT SHRINK 1/8" TO 1/16"
18	24	IN	19358	SLEEVE BULK HT SHRINK 1/4" TO 1/8"
19	6	FT	24582	CABLE-18AWG
21	1		17141	CLAMP-CUSHION 7/8 ID
21	1		17141	CLAMP-CUSHION 7/8 ID
26	1		55943	CONNECTOR-1/2NPTF DIN 43650
27	1		55944	GASKET DIN 43650 CONN.
28	1		84693C	GRIP (DWG 84693A-Z) 1/2" STR - PVC PIPE
29	1		56205	GRIP-SEAL 1-1/4NPT 1-1/8 - 1-1/4 DIA CABLE
30	13		20691	TERMINAL-BUTT SPLICE 22-16 AWG
31	10		20707	TERMINAL-RING TONGUE #10 HOLE, 18 AWG
32	1		20708	TERMINAL-FEMALE TAB 1/4" WIDE, 22-18 AWG
33	4		17144	CLAMP, CUSHION 2
34	4		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
35	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
36	4		10180	WASHER, LK, HELI, 3/8 X .683 OD
37	15	IN	25769	MOULDING BULK WELT COLOR = BLACK
40	1		86238A	PLATE, MOUNTING, UPPER
41	1		86238B	PLATE, MOUNTING, LOWER
42	4		10028	CAPSCREW, HX, 1/2-13NC X 1-1/4 GR 5
43	4		22465	WASHER, FL, 1/2
44	4		10182	WASHER, LK, HELI, 1/2 X .873 OD

MT4400AC W/ IGBT
CONTROL GROUP

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85103M

DR. MASSIE

ENG. APP.

REL. DT.

94496
93980
93814
93774
E.N. NO.

TEREX UNIT RIG

CAB HARNESS INSTALLATION

SHEET 13 OF 13

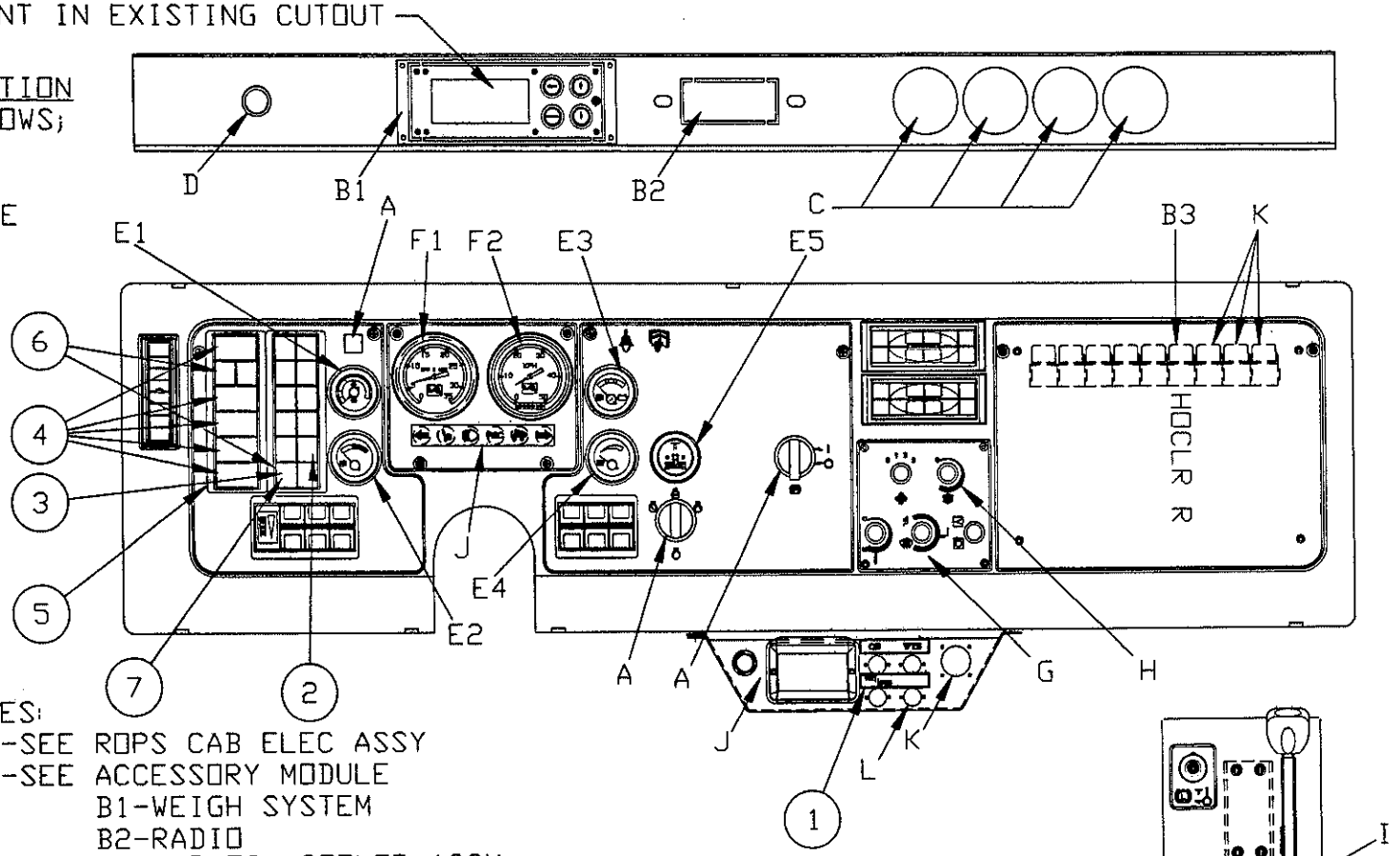
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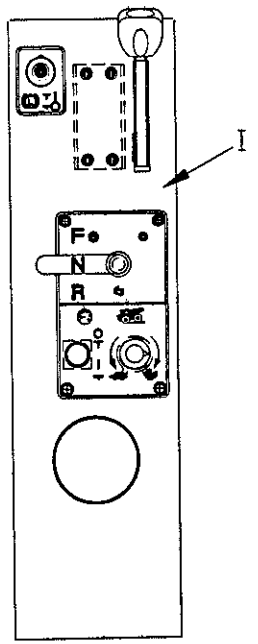
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MOUNT IN EXISTING CUTOUT

DIODE PANEL CONFIGURATION
REMOVE DIODES AS FOLLOWS;
-DIODE PANEL-LOW SIDE
1D4, 1D6, 1D8
-DIODE PANEL-HIGH SIDE
1D1, 1D6, 1D8





NOTES:
A-SEE ROPS CAB ELEC ASSY
B-SEE ACCESSORY MODULE
B1-WEIGH SYSTEM
B2-RADIO
B3-HYD OIL COOLER ASSY
B4-BRAKE DRAG
C-SEE RESTRICTION IND ASSY
D-SEE WINDSHIELD WIPER ASSY
E-SEE CAB GAUGE ASSY
E1-OIL PRESS E2-WATER TEMP
E3-VOLTMETER E4-FUEL
E5-HOURMETER
F-SEE SPEEDOMTR & TACH ASSY
F1-TACHOMETER F2-SPEEDOMETER
G-SEE HEATER ASSEMBLY, CAB
H-SEE AIR CONDITIONING ASSY
I-SEE CAB SHIFTER ASSY
J-SEE DASH & SHROUD ASSY
K-SEE ENGINE ELECTRIC ASSY
L-SEE CAB HARNESS INSTALLATION

TEREX UNIT RIG

CAB CONFIGURATION ASSEMBLY

SHEET 1 OF 4

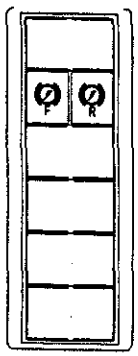
86222BT

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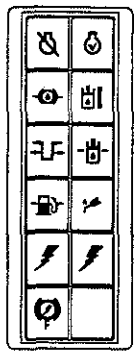
86222BT



SPARE
FRONT BRAKE DRAG (HI DP CHNL 3) NOTE B3
SPARE
SPARE
SPARE
SPARE

SPARE
REAR BRAKE DRAG (HI DP CHNL 4) NOTE B3
SPARE
SPARE
SPARE
SPARE

CUT MOUNTING HOLE USING
2" BY 6.54" BY 1/8" DEEP
ROUTED AREA (BACK OF PANEL)
AS GUIDE.



STOP ENGINE (HI DP CHNL 2) NOTE A, J
LOW BRAKE PRESSURE (LO DP CHNL 5) NOTE A, J
LOW STEERING PRESSURE (HI DP CHNL 5) NOTE A, J
LOW FUEL (LO DP CHNL 8) NOTE A, J
SYSTEM FAULT-RED (LO DP CHNL 7) NOTE A, J
RETARD CONTINUOUS (LO DP CHNL 1)

CHECK ENGINE (HI DP CHNL 1) NOTE A, J
HYD OIL TMP (LO DP CHNL 4) NOTE A, J
LOW HYD OIL (LO DP CHNL 3) NOTE A, J
AUTO LUBE () NOTE A, J
SYSTEM FAULT-YELLOW (LO DP CHNL 6) NOTE A, J
SPARE

TEREX
UNIT RIG



PANEL DIM RHEOSTAT, NOTE A, J
HEAD LIGHTS, NOTE A, J
SPARE, NOTE J
STAIR WAY LIGHT, NOTE A, J



AUTOLUBE TEST, NOTE A
DATA STORE, NOTE A
SYSTEM FAULT RESET, NOTE A

CAB CONFIGURATION ASSEMBLY

SHEET 2 OF 4

86222BT

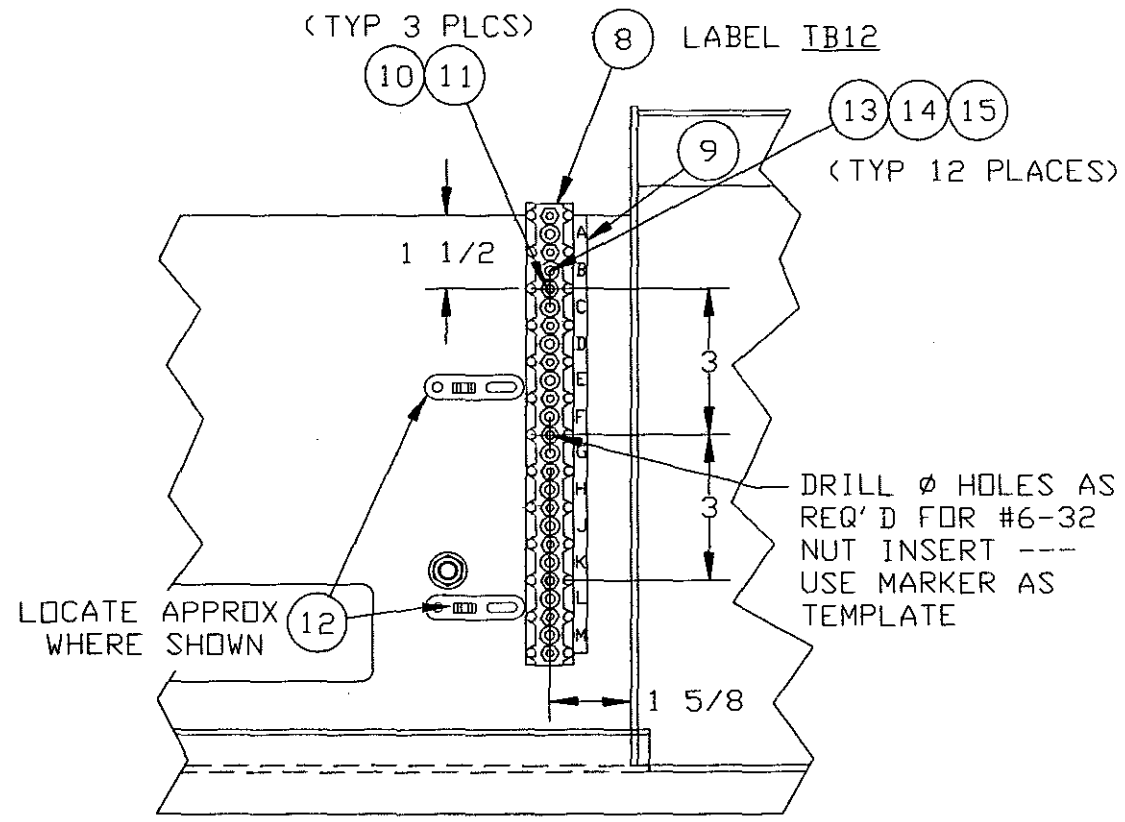
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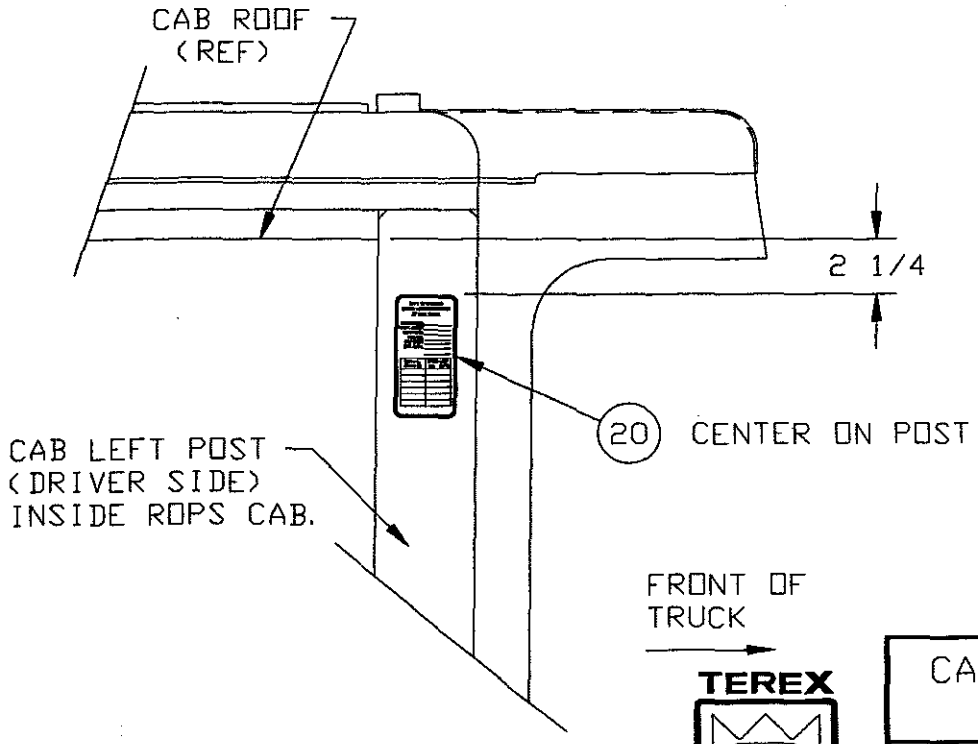
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ENG. APP.
REL. CK.

95553
E.N. NO.



RELAY & TB12 ADDITION TO FRONT OF CAB



SPEED LIMIT NAMEPLATE

TEREX
UNIT RIG

CAB CONFIGURATION ASSEMBLY

SHEET 3 OF 4

86222BT

86222BT

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		84699C	NAME PLATE, SERIAL PTS
2	1		83262B	CARD-INDICATOR ELECTRICAL SYSTEM FAULT
3	1		83342B	INSERT-BEZEL FOR MTG 2-INDICATOR INTO 83337A-F BEZELS
4	5		83342A	INSERT-BEZEL PLUG FOR 83337A-F BEZELS
5	1		83337F	BEZEL-SW/IND(DWG A-F) FOR 6-SWITCHES OR 12-INDICATORS
6	2		83342B	INSERT-BEZEL FOR MTG 2-INDICATOR INTO 83337A-F BEZELS
7	1		84705M	CARD-IND(DWG A-Z) RETARD (HOT-LIMITED TO CONTINUOUS OPERATION)
8	1		24121	TERMINAL STRIP
9	1		24717	MARKER TERMINAL A-M
10	3		25650	SCREW, MACH, RHD, 6-32NC X 5/8 GR 2
11	3		22603	NUT-INSERT, 6-32UNC
12	2		16999	PLATE-TIE, PANDUIT
13	12		12867	NUT-HEX, 10-32
14	12		22048	WASHER, FL#10 (SAE) X .437 OD
15	12		28537	LOCK WASHER-HELI, #10 X .334 OD
20	1		85902M	NAMEPLATE (DWG A-Z)
25	1		85136G	HARNESS, SPARE WIRES

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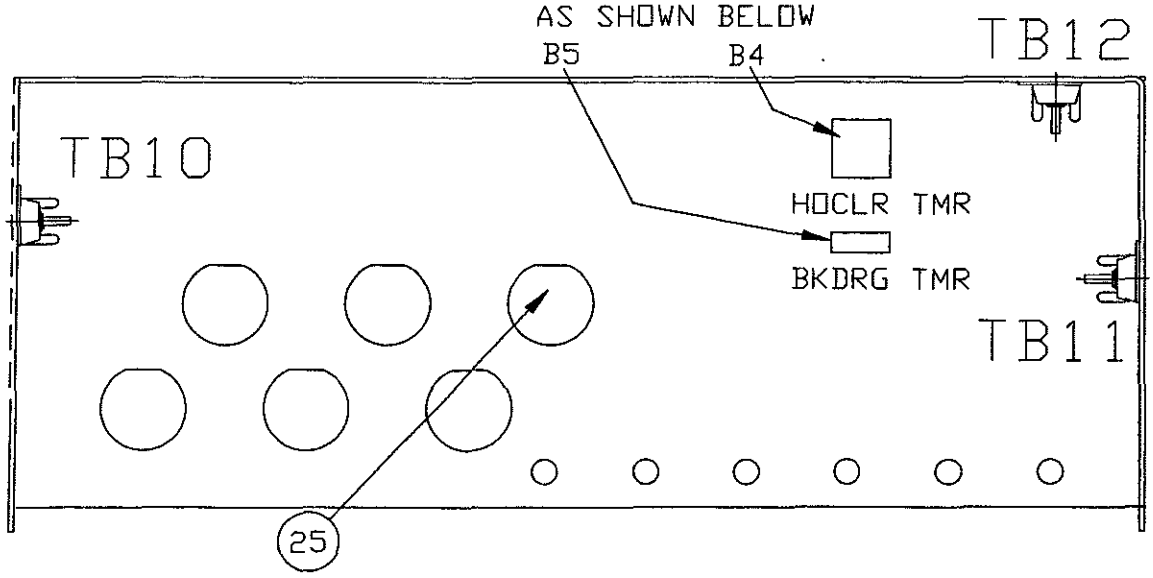
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DR. MURPHY

ENG. APP.

REL. CK.

LOCATE APPROXIMATELY AS SHOWN BELOW



CONNECT SPR53E - SPR53G TO TB12 PER OPTION SCHEMATIC. ROUTE WITH SPR53B - SPR53C TO HYDRAULIC BOX AND CONNECT PER OPTION SCHEMATIC. STORE SPR53A, SPR53D, AND SPR53H - SPR53K WITH OTHER UNUSED SPR53 WIRES IN CAB AND HYDRAULIC BOX.

TEREX UNIT RIG

CAB CONFIGURATION ASSEMBLY

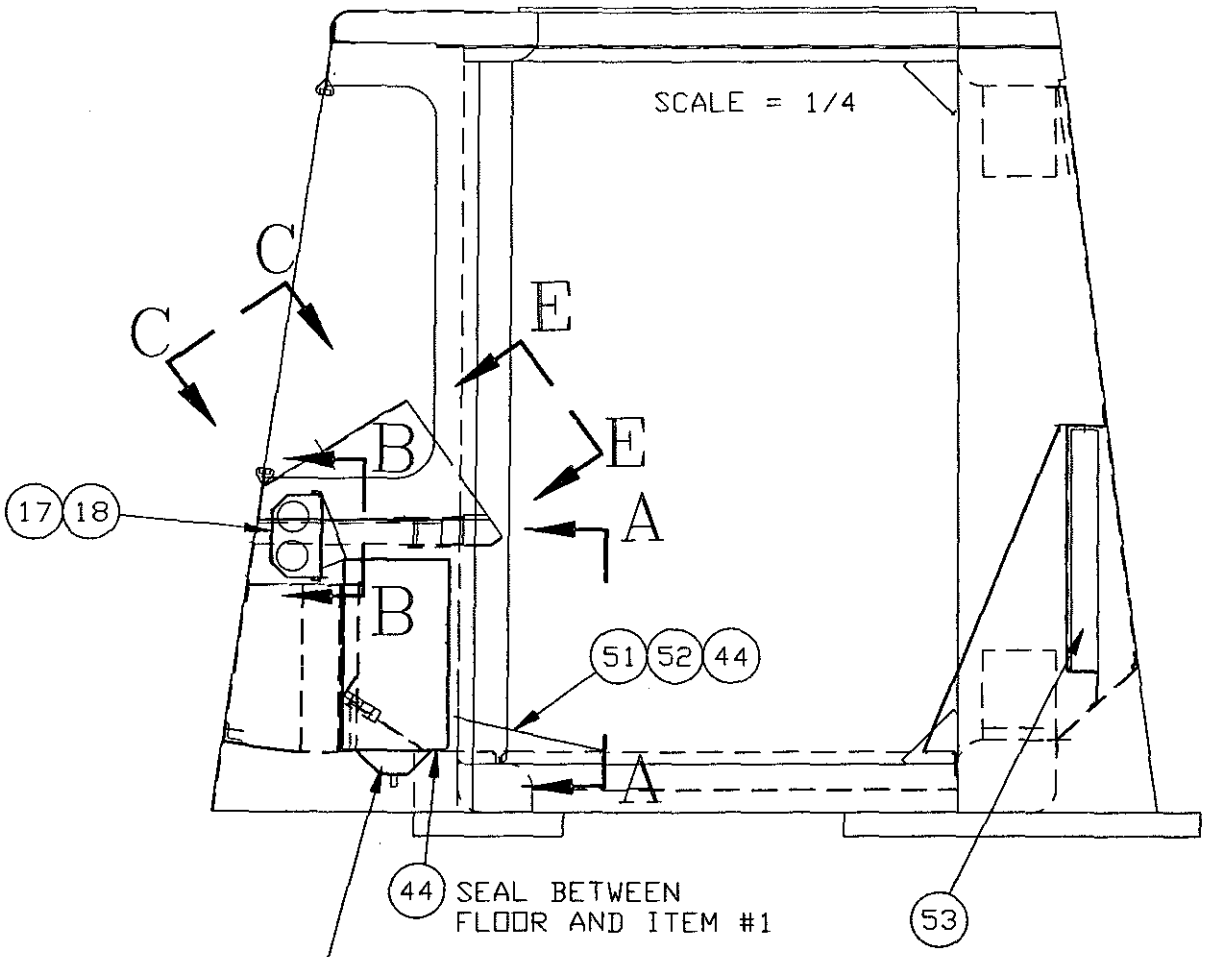
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E.N. NO.

86222BT

A83419

VIEW	SHEET
A-A	2
B-B	5
C-C	6
E-E	7

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DR. MARTENS

ENG. APP. T. DODEN

REL. CK. ELLIS

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E.N. NO. 85798

NOTE: FOR UNIVERSAL ROPS CAB.

TEREX MINING

HEATER ASSY.

SHEET 1 OF 7

A83419

A83419

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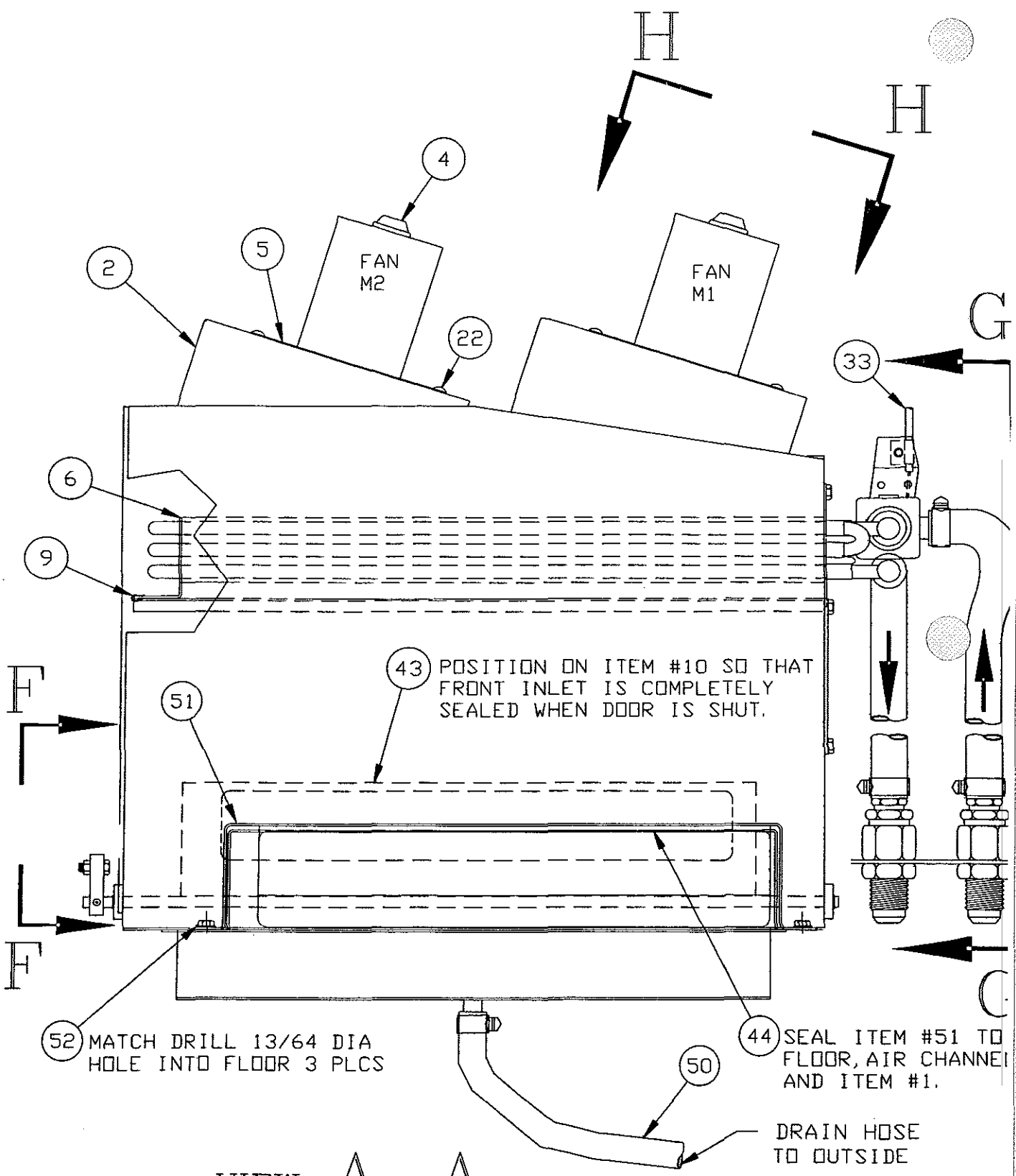
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VIEW A—A

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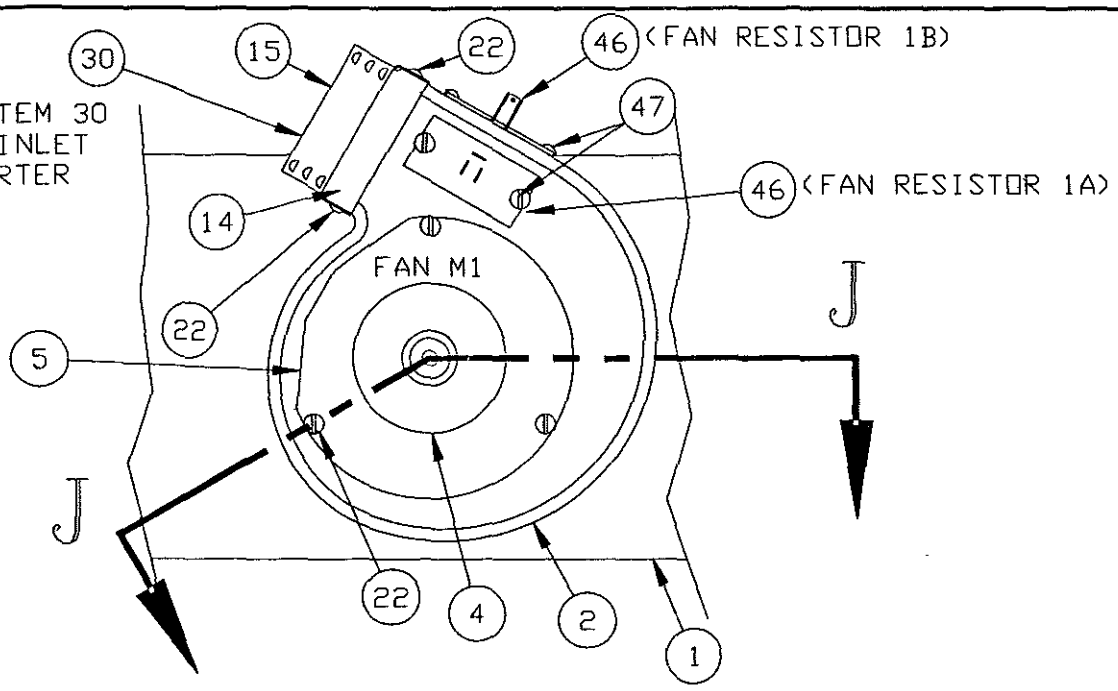
HEATER ASSY.

SHEET 2 OF 7

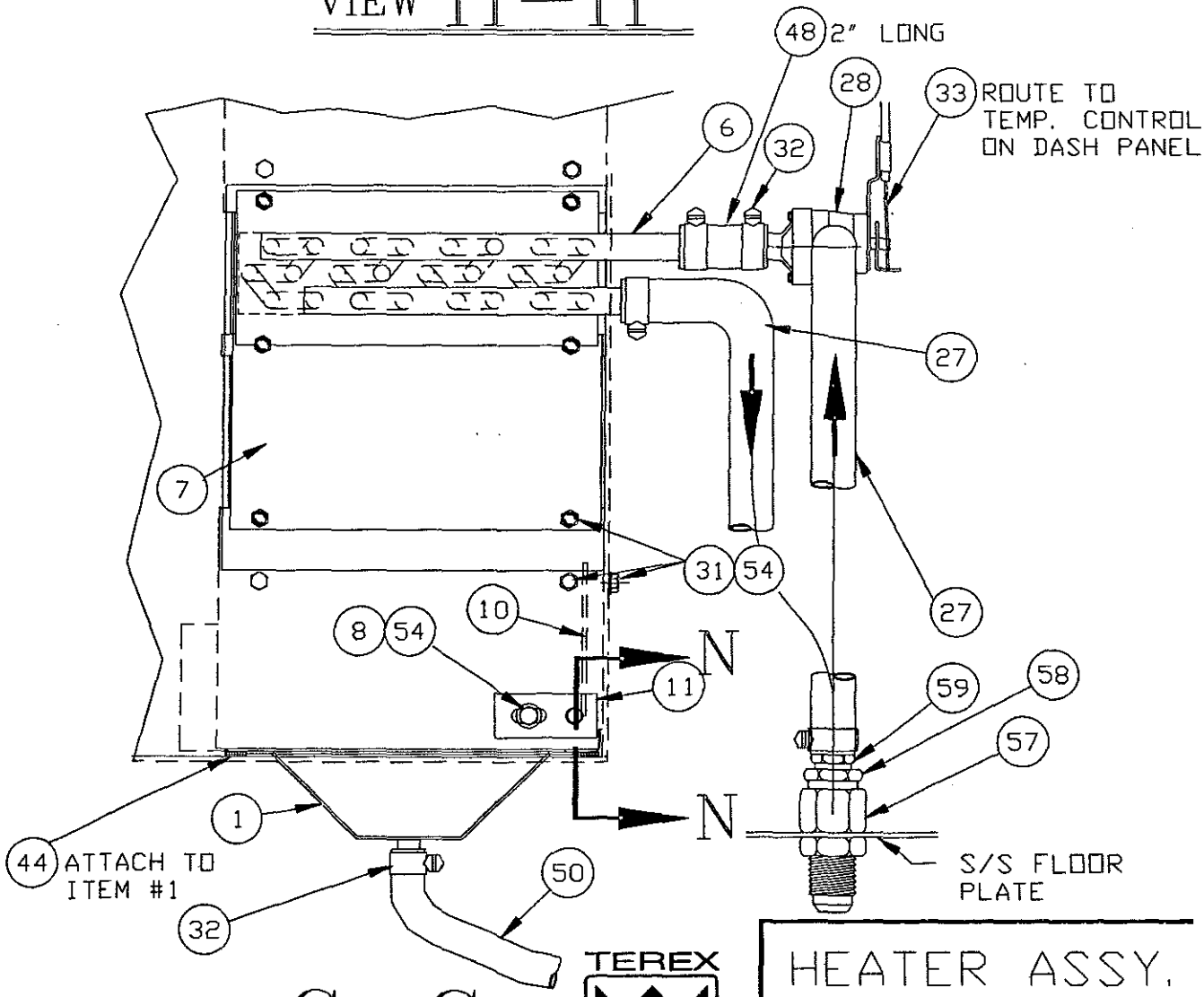
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NOTE:
ROUTE ITEM 30
TO AIR INLET
ON DIVERTER
BOX.



VIEW H — H



SEC G — G

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HEATER ASSY.

SHEET 3 OF 7

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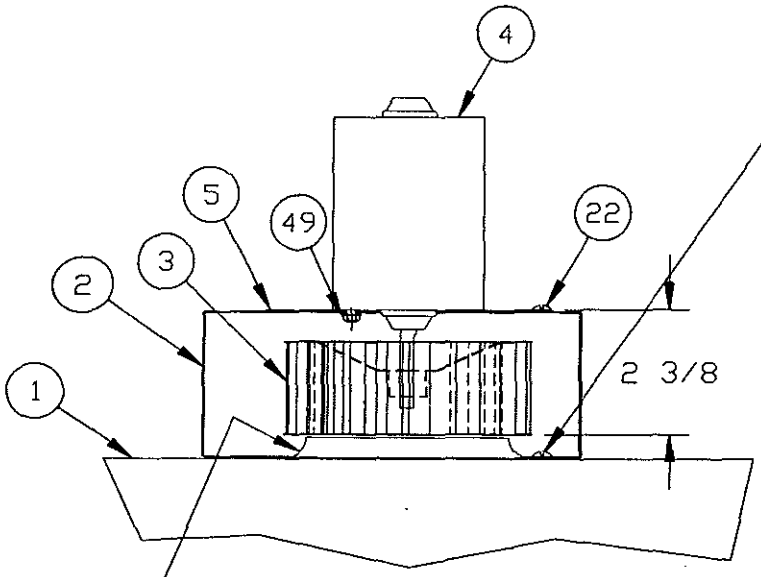
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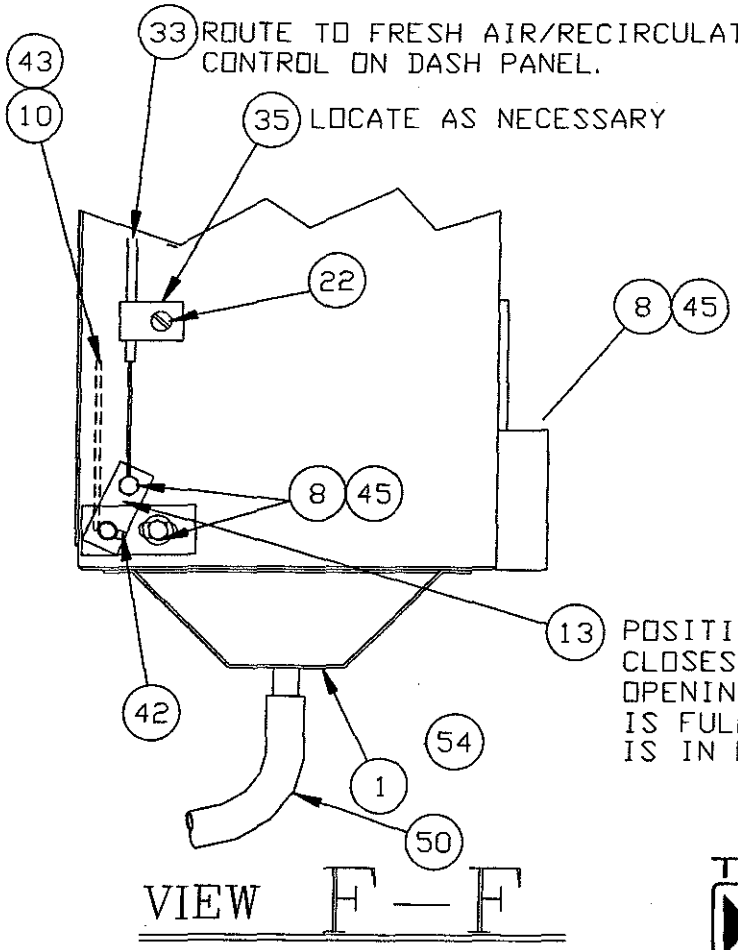
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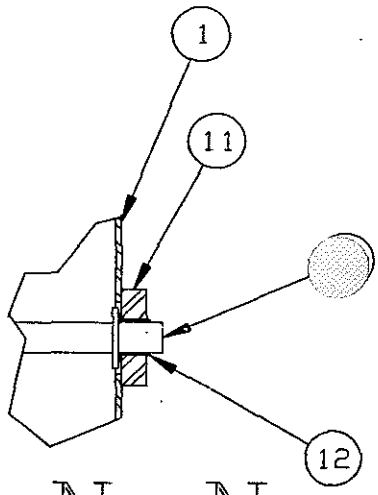
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VIEW J — J



VIEW F — F



VIEW N — N

(1/2 SCALE)
(TYP. 2 PLCS.)

TEREX MINING

HEATER ASSY.

SHEET 4 OF 7

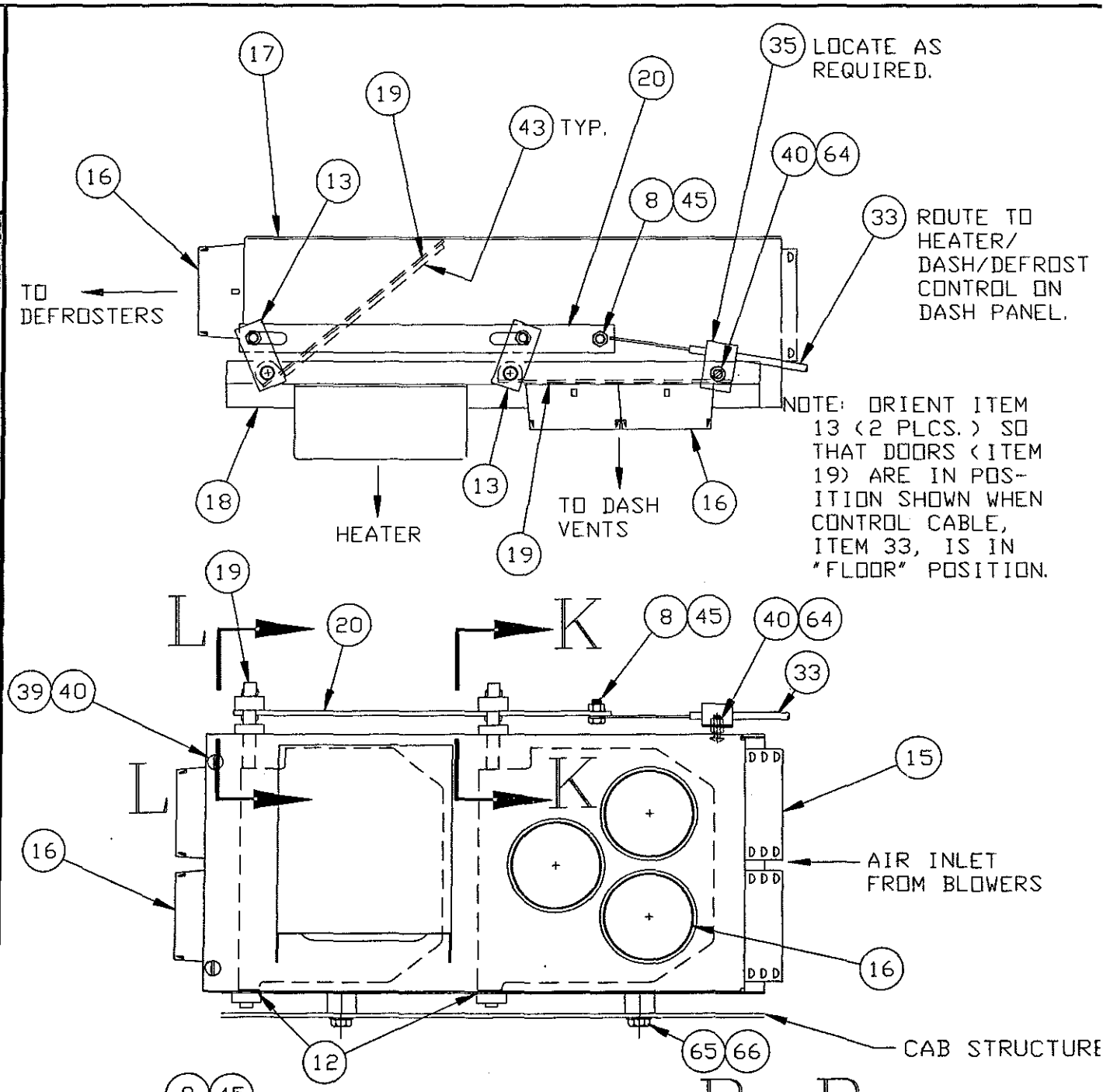
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HEATER ASSY.

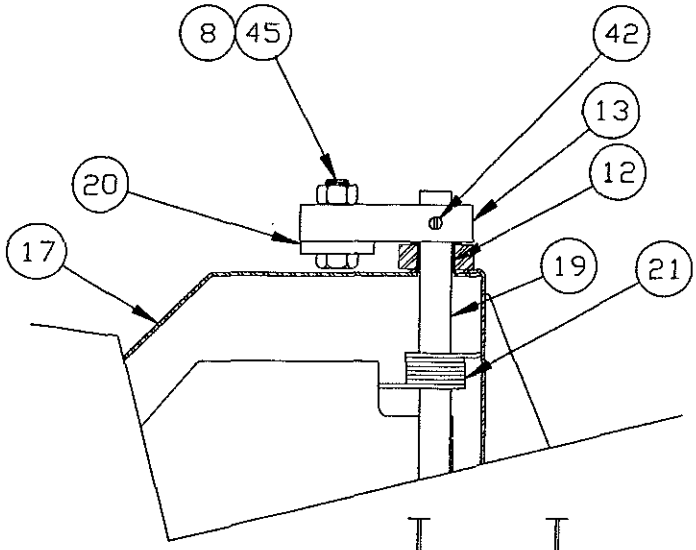
SHEET 5 OF 7

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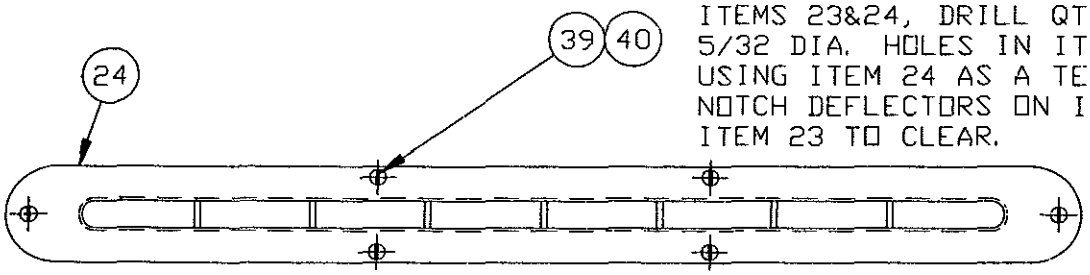


SPRING LOAD DOOR TO OPEN POSITION.

VIEW L—L

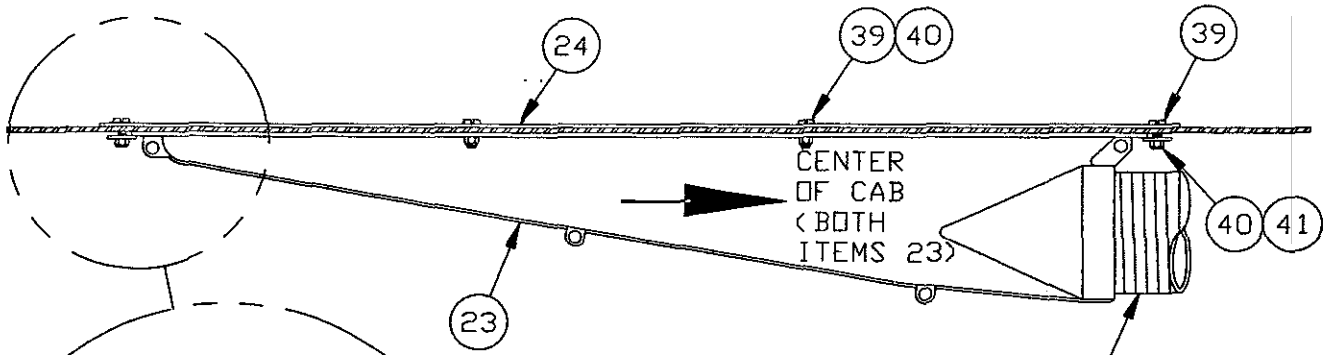
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NOTE: BEFORE INSTALLATION OF ITEMS 23&24, DRILL QTY. 4 5/32 DIA. HOLES IN ITEM 23 USING ITEM 24 AS A TEMPLATE. NOTCH DEFLECTORS ON INSIDE OF ITEM 23 TO CLEAR.

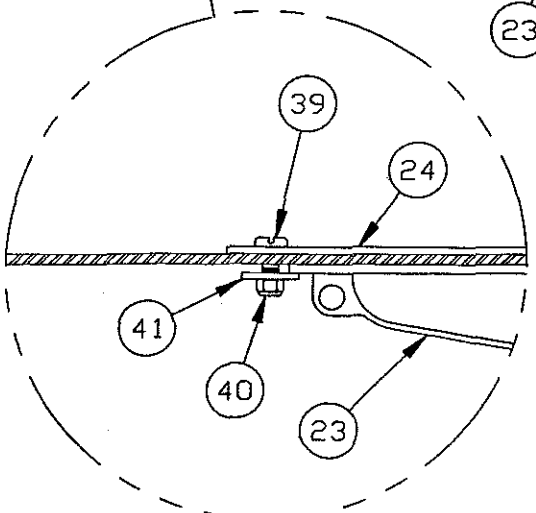


M M

VIEW C—C



VIEW M—M



29 ROUTE TO DEFROST OUTLET ON DIVERTER BOX (TYP)

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ENG. APP.	
REL. CK.	

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E.N. NO. 85798

TEREX MINING

HEATER ASSY.

SHEET 6 OF 7

A83419

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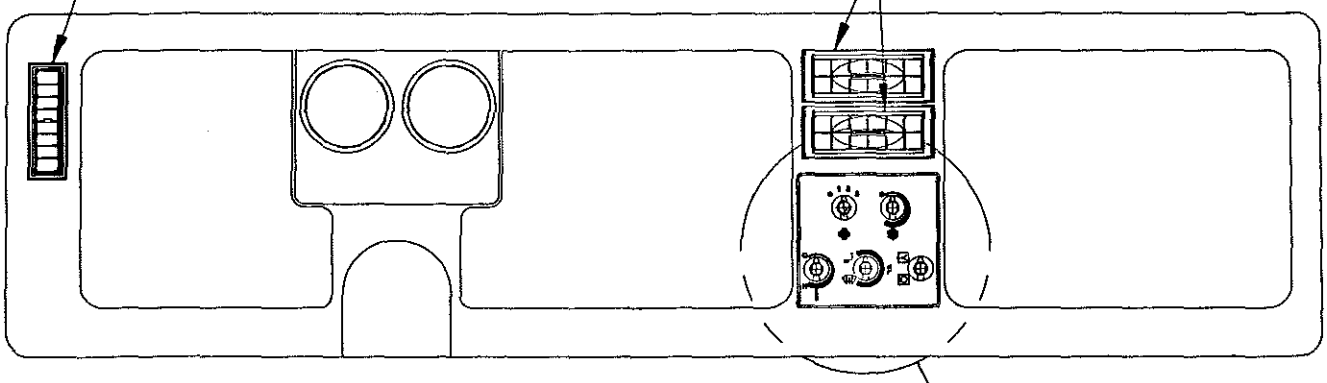
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REL. CK.

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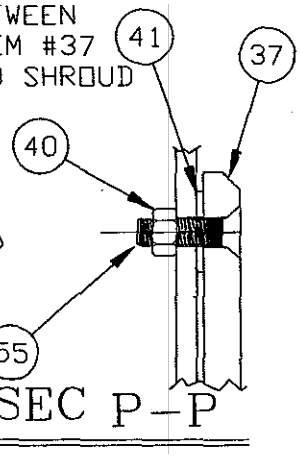
(26)(29) ITEM 29 FROM DASH OUTLET ON DIVERTER BOX.

(25)(29) ITEM 29 FROM DASH OUTLET ON DIVERTER BOX.



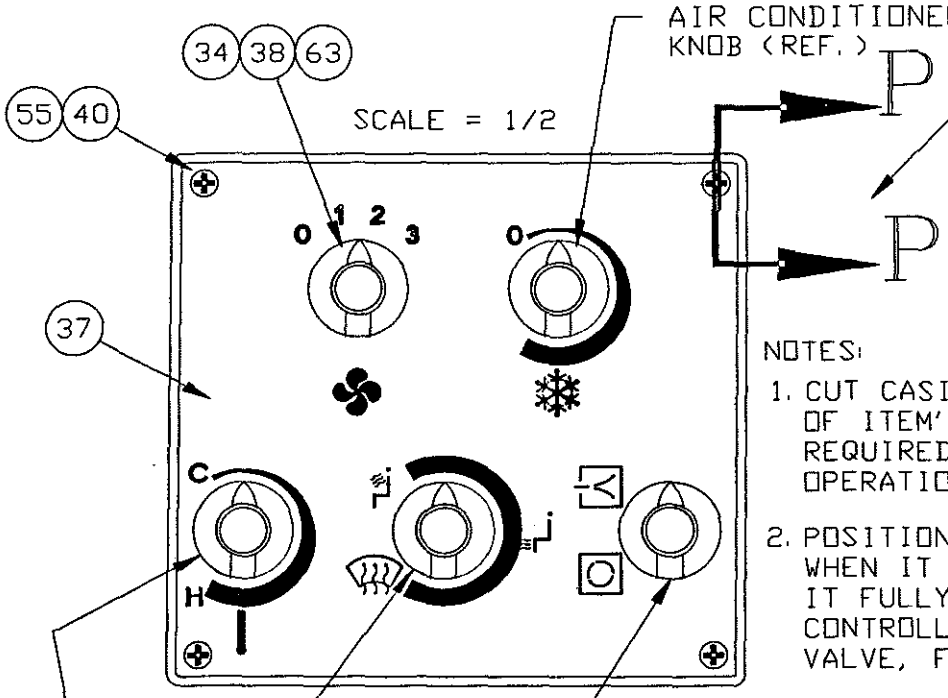
VIEW E—E
SCALE = 1/8

BETWEEN ITEM #37 AND SHROUD



SEC P—P

AIR CONDITIONER KNOB (REF.)



NOTES:

1. CUT CASING AND WIRE OF ITEM'S #33 TO LENGTH REQUIRED FOR EASIEST OPERATION.
2. POSITION CABLE (ITEM 33) SO THAT WHEN IT EXTENDS AND RETRACTS IT FULLY OPENS AND CLOSES THE CONTROLLING UNIT (I.E. HEATER VALVE, FRESH AIR DOOR).
3. REMOVE BLACK VINYL COVERING AROUND CABLE ENDS TO ASSURE METAL TO METAL CONTACT BETWEEN CABLE AND MOUNTING CLAMPS. TORQUE CLAMPS PROPERLY TO PREVENT CABLE FROM SLIPPAGE WHILE OPERATING CONTOLLER UNIT.

(33)(34)(63) ROUTE ITEM 33 TO ITEM 20 ON DIVERTER BOX.

(33)(34)(63) ROUTE ITEM 33 TO ITEM 13 ON HEATER BOX.

(33)(34)(63) ROUTE ITEM 33 TO HEATER VALVE, ITEM 28.

TEREX MINING™

HEATER ASSY.

SHEET 7 OF 7

A83419

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		83414A	BOX, HEATER/AIR COND
2	2		83424C	HOUSING, BLOWER W/HOLES FOR 2 RESISTORS
3	2		83426A	WHEEL, BLOWER
4	2		1009438	MOTOR
5	2		83428A	PLATE, MTR MNTG
6	1		83417A	CORE-HEATER
7	1		83423A	COVER PLATE
8	6		10001	CAPSCREW, HX, 1/4-20NC X 3/4 GR 5
9	2		53656	RETAINER CLIP
10	1		83416B	DOOR, AIR INTAKE
11	2		83415A	BLOCK-BUSHING
12	6		1022253	BUSHING, NYLINER W/FLANGE, 5/16 I.D. 3/8 O.D. 1/2 O.D. FLNG
13	3		83412A	LEVER, DIVERTER
14	2		83413A	ADAPTER, BLOWER OUTLT
15	4		83421B	ADAPTER, 3" DUCT
16	5		83421A	ADAPTER, 2-1/2" DUCT
17	1		83408B	BACK, DIVERTER
18	1		83409C	FRONT, DIVERTER
19	2		83410B	DOOR, DIVERTER
20	1		83411B	LINK, DIVERTER
21	2		53915	SPRING, TORSION
22	17		1032392	SCREW, TAP, TRHD, #8 X 1/2 TYP AB CAD PL
23	2		53652	DUCT, DEFROSTER
24	2		53653	OUTLET, DEFROSTER
25	2		53654	OUTLET, DASH AIR
26	1		53655	OUTLET, DASH AIR
27	2		1000488	ELBOW
28	1		1000924	VALVE, HEATER
29	120	IN	1009430	HOSE, DEFROSTER
30	30	IN	1100358	HOSE-DEFROSTER, 3"
31	12		14330	CAPSCREW, HX, 1/4-20NC X 1/2 GR 5
32	7		18389	CLAMP-HOSE
33	3		1002137	CABLE ASSY
34	4		56372	KNOB, HTR CNTRL
35	2		1000387	CLAMP, MOUNTING
36	2		1009435	CABLE RETAINER
37	1		83553E	PANEL-HEATER CONTROL
38	1		26908	SWITCH BLOWER
39	19		21985	SCR, MACH, PNH, 8-32NC X 1/2 GR 2
40	27		25128	NUT-LOCK HX(8-32NC)
41	8		52366	WASHER, FL, #8 X .562 OD

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A83419C

A1BDM

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ENG. APP. WFR

REL. CK. ELLIS

91157

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90203

E.N. NO.

TEREX MINING™

HEATER ASSY, ROPS CAB

A83419C

ITM	QTY	UM	COMPONENT	DESCRIPTION
42	3		901647	SET SCREW, SKT 10-24NC X 1/4 GR 2, CUP POINT
43	52	IN	1032195	SPONGE 1/4X2
44	1	RL	25262	TAPE, INSULATION 2"
45	4		52357	NUT, HX, JAM, 1/4-20NC STL GR 2
46	4		56117	RESISTOR, BLOWER SPD
47	8		15875	SCREW, MACH, RH 10-32NF X 3/8 GR 2
48	100	IN	25962	HOSE BULK 5/8 I. D.
49	4		12867	NUT-HEX, 10-32
50	50	IN	1018812	HOSE, PUSH-ON
51	1		83666B	CONNECTOR, AIR DUCT
52	3		1032002	SCR, TAP, HEXHD, 1/4 X 1/2 TYP AB, EG
53	1		1004320	FILTER, AIR
54	14		10162	WASHER, FL, 1/4 X 0.625 OD
55	4		53806-05	SCREW, MACH, FH, 8-32NC X 5/8 GR 2, PHL H BLK OXD
57	2		27796	ADAPTER, BULKHD STR #12 JIC, MALE X 3/4 NPTF, FEMALE
58	2		17161	BUSH, 3/4 X 1/2 NPT MI 150PSI HEX
59	2		25691	FITTING-BARBED
63	4		26888	NUT, JAM, 7/16-28 UNEF-2A (EXTRA FINE THD)
64	2		1032047	SCR, MACH, PNH, 8-32NC X 3/4 GR 2
65	2		17845	CAPSCR, HX, 5/16-18NC X 1/2 GR 5
66	2		10179	WASHER, LK, HELI, 5/16 X .586 OD
99 R	1		A83419	DWG ONLY, HEATER ASSY

W/REVISED FAN SPEEDS

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ENG. APP.

REL. CK.

91157

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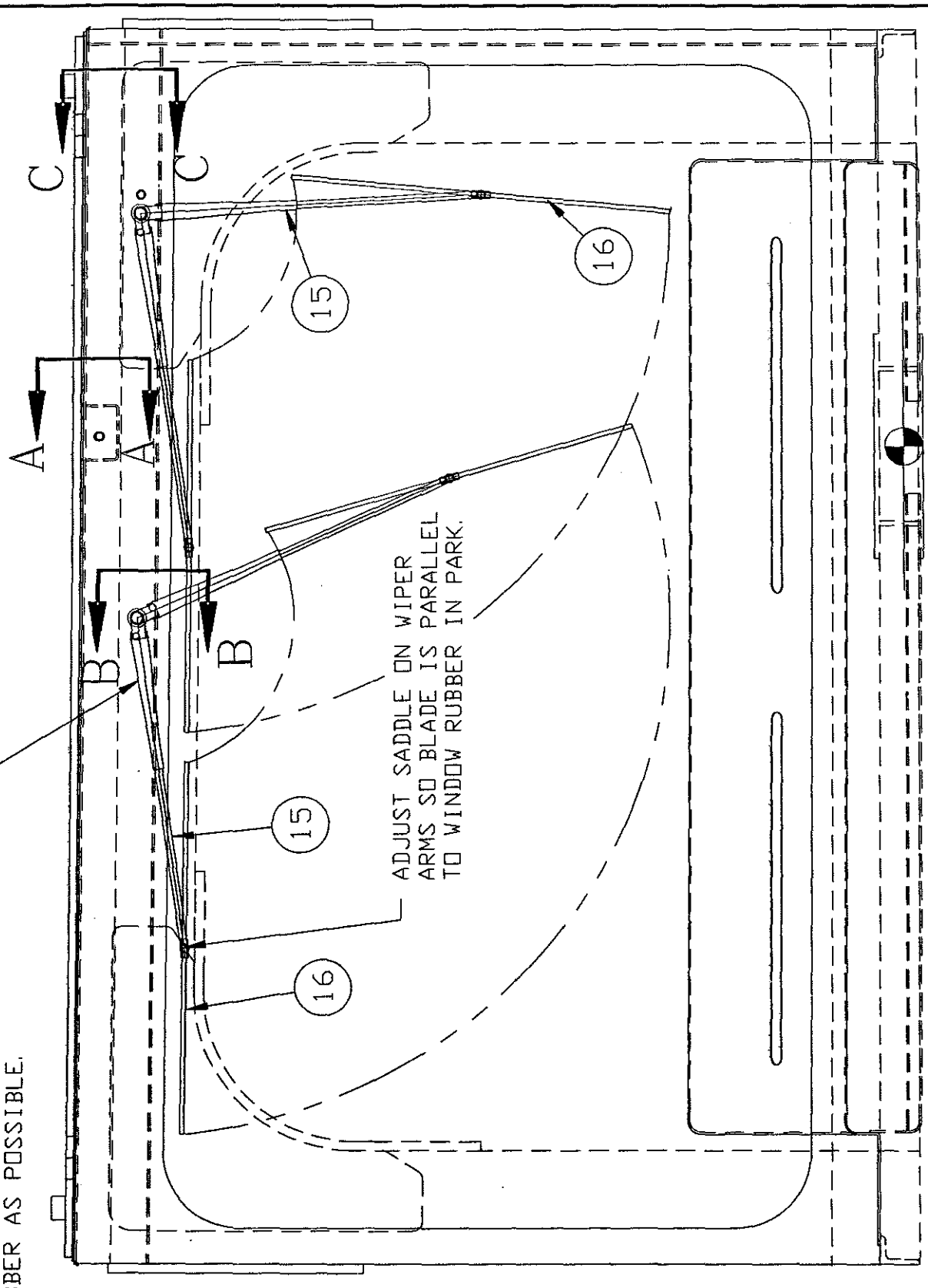
TEREX MINING

HEATER ASSY, ROPS CAB

A83419C

A83432

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DR. T. DODEN
ENG. APP. MARTENS
REL. CK. LOWE

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E.N. NO.

UNIT RIG CAD

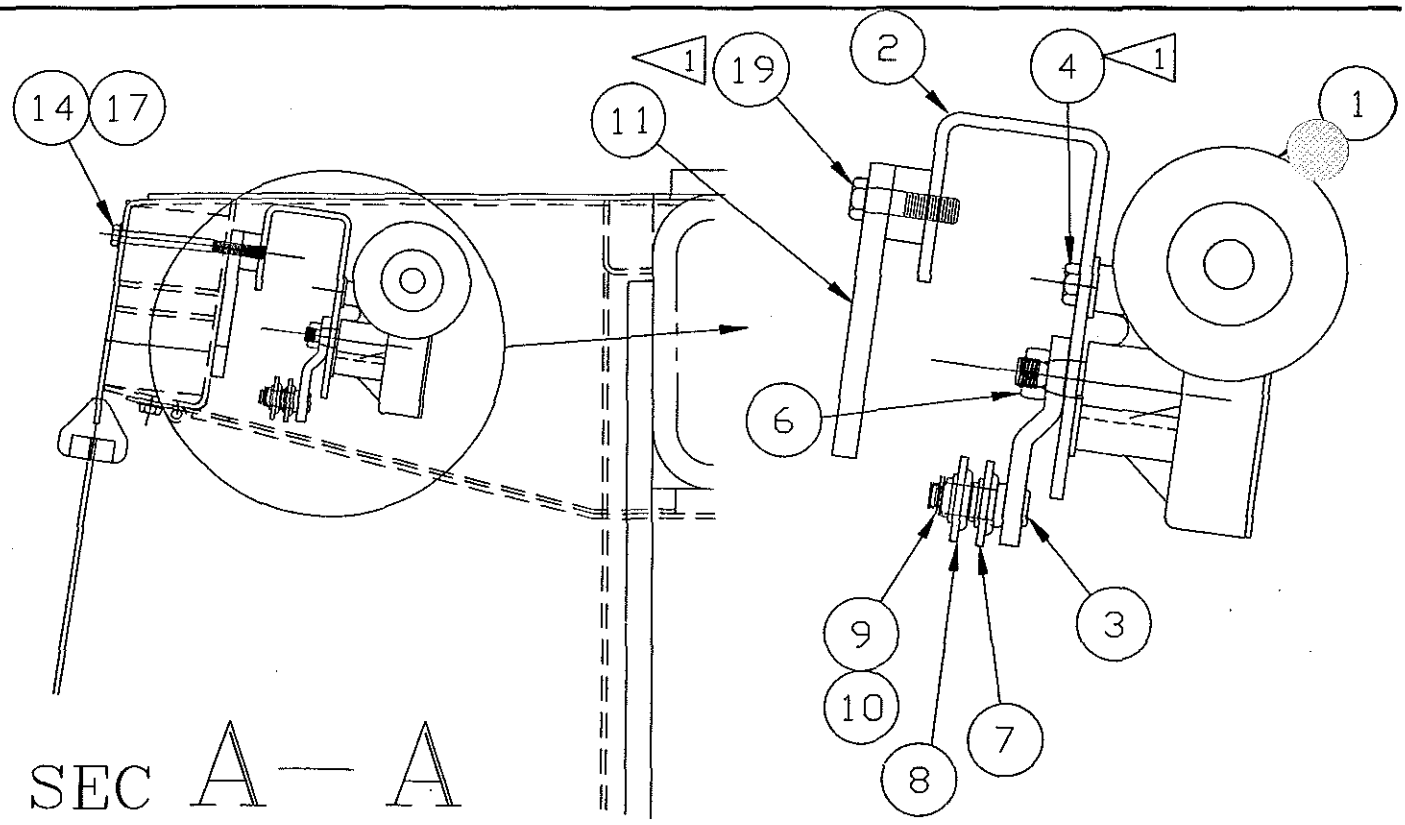
WINDSHIELD WIPER ASSY

SHEET 1 OF 3
A83432

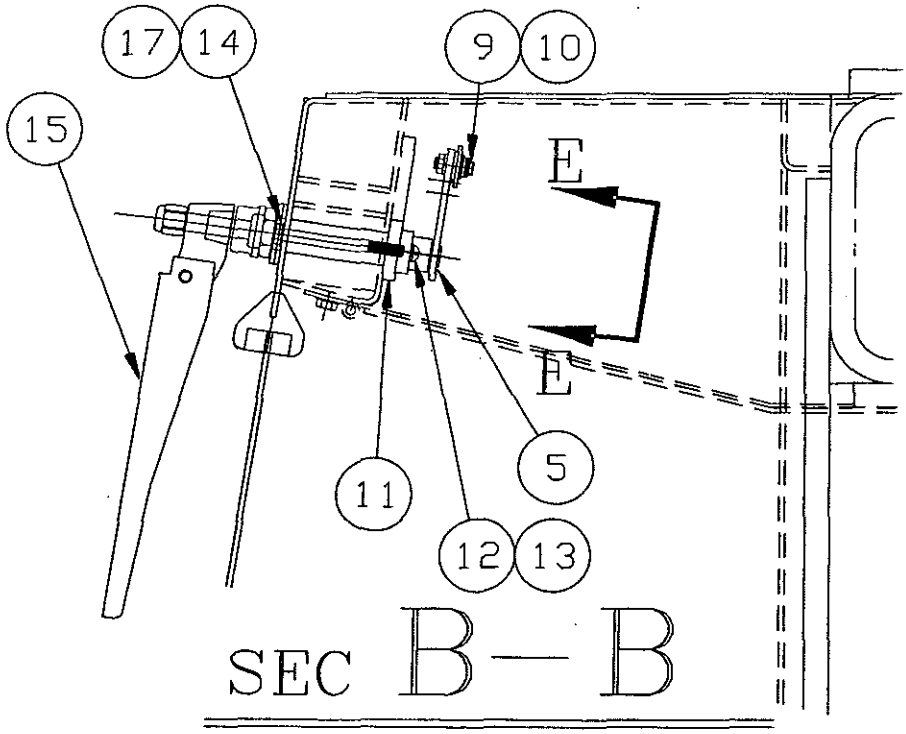
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ENG. APP.
REL. CK.

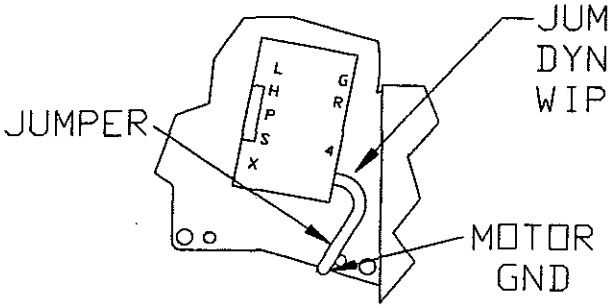


SEC A — A



SEC B — B

1 INSTALL WITH LOCTITE



WIPER MOTOR MOD

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E.N. NO.

UNIT RIG CAD

WINDSHIELD WIPER ASSY

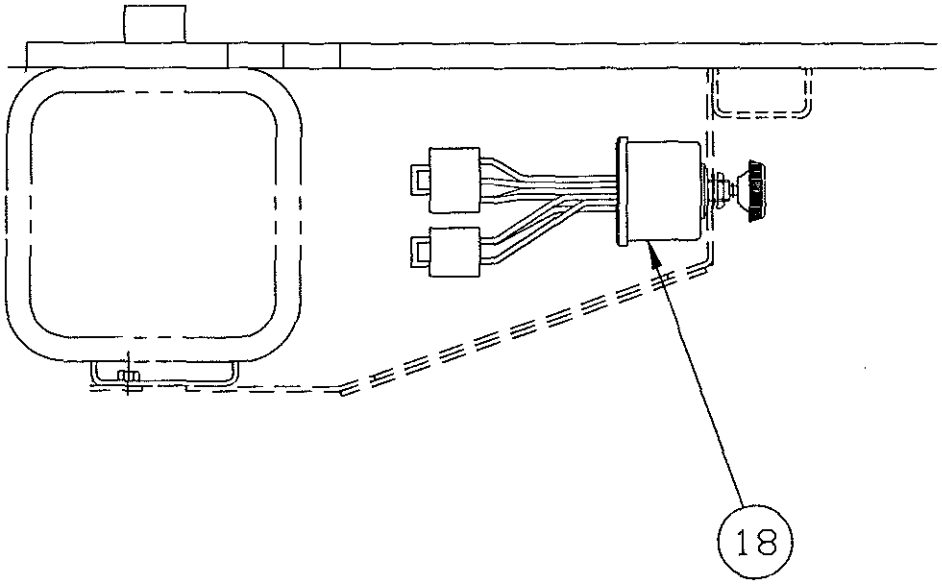
SHEET 2 OF 3
A83432

A83432

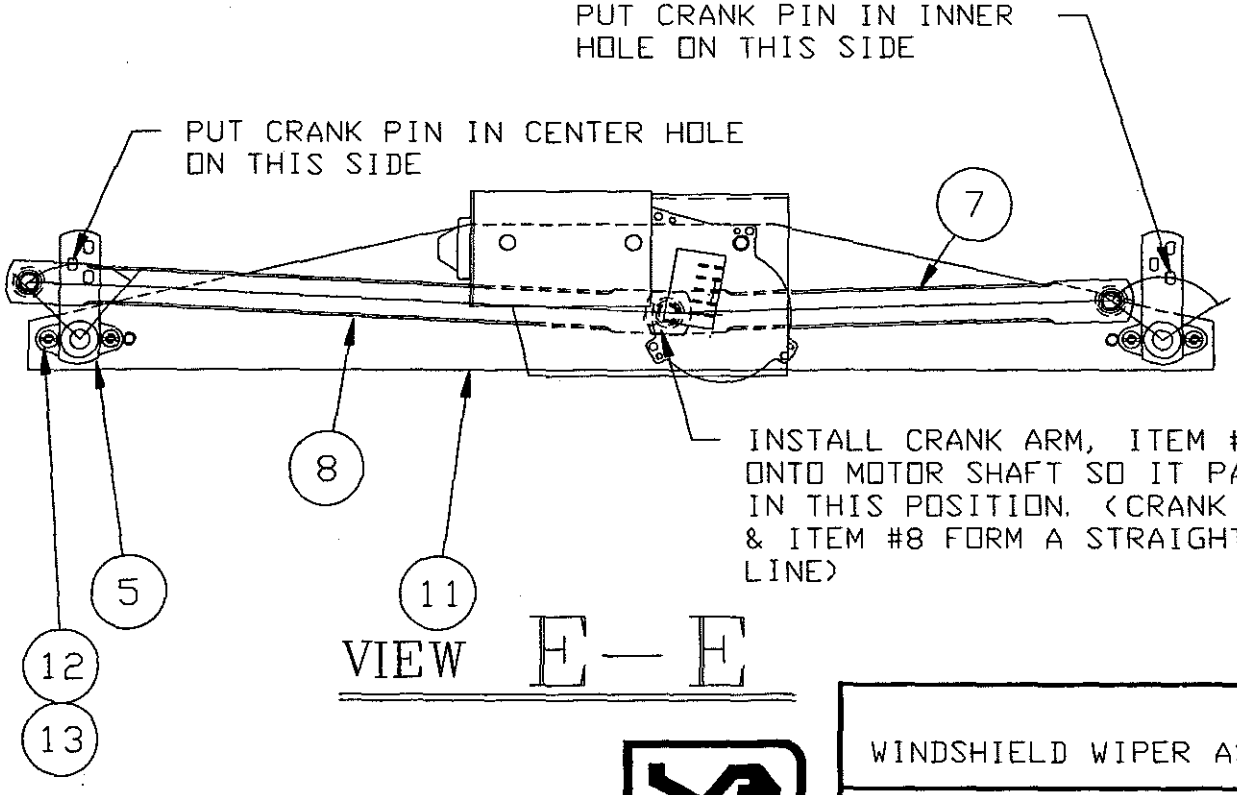
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89507
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E.N. NO.



SEC C — C



VIEW E — E

UNIT RIG CAD

WINDSHIELD WIPER ASSY

SHEET 3 OF 3
A83432

A83432B

AIVERT-TEREX

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	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	1		N83432B	GEN NOTE, NO DRAWING ITEMS 1 THRU 11 ARE INCLUDED IN WIPER DRIVE ASSY, ITEM #20.
	12	1		NOT-USED	PART NOT USED
	13	1		NOT-USED	PART NOT USED
	14	3		14330	CAPSCREW, HX, 1/4-20NC X 1/2 GR 5
	15	2		56461	ARM, WIPER 18" BENT
	16	2		55921	BLADE, 22" FLEX FOR COLD AND ICY CONDITIONS USE WINTER BLADE, P/N 56766
	17	3		55863	NUT, INSERT, 1/4-20UNC REQUIRES 25/64 DIA HOLE
	18	1	*	53238 *	SWITCH, WIPER DELAY W/WASH BUTT
	19	1		NOT-USED	PART NOT USED
S	20	1	*	56460 *	WIPER DRIVE ASSY INCLUDES ALL DRIVE COMPONENTS, MOTOR, CRANK ARMS, LINKS, & ARM SHAFTS.
	99	1		A83432	DWG ONLY, WIPER

24 VOLT ELECTRIC ASSY FOR UNIVERSAL ROPS CAB. TWO SPEED MOTOR WITH INTERMITTENT SWITCH. MADE BY HEPWORTH.

DR. DODEN

ENG. APP. WFR

REL. CK. ELLIS

92399

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E.N. NO.

*SEE SERVICE PARTS

TEREX MINING™

WINDSHIELD WIPER ASSY

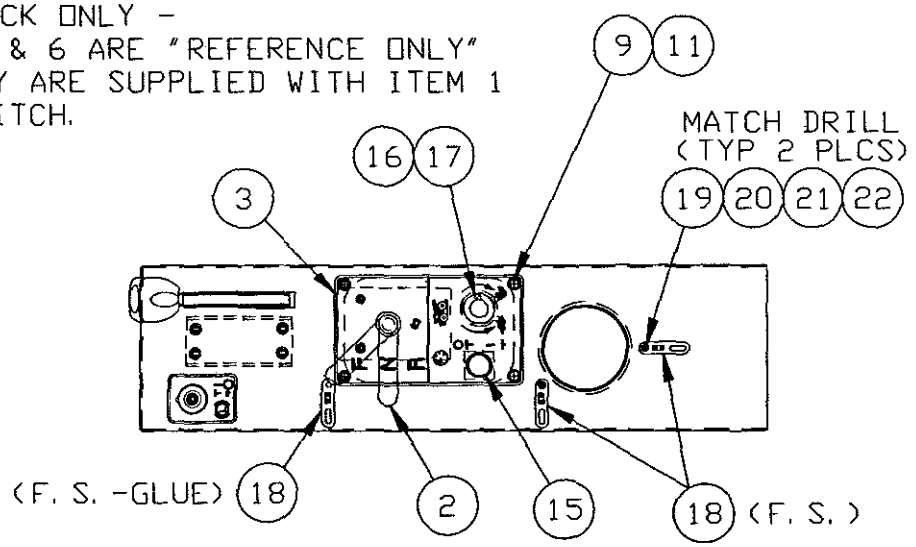
SHEET 1 OF 1

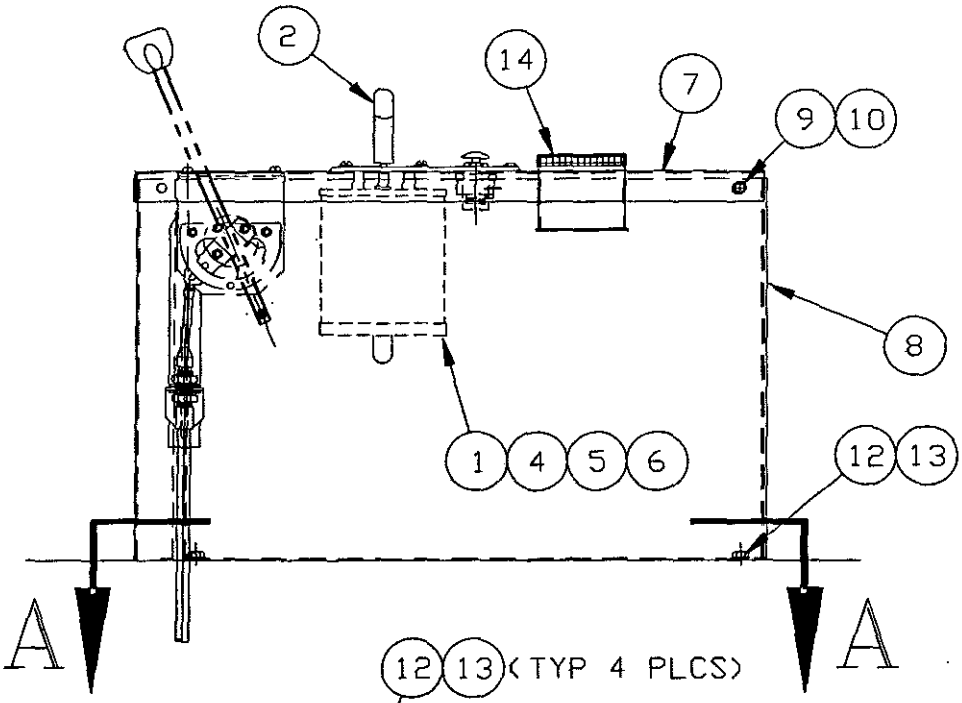
A83432B

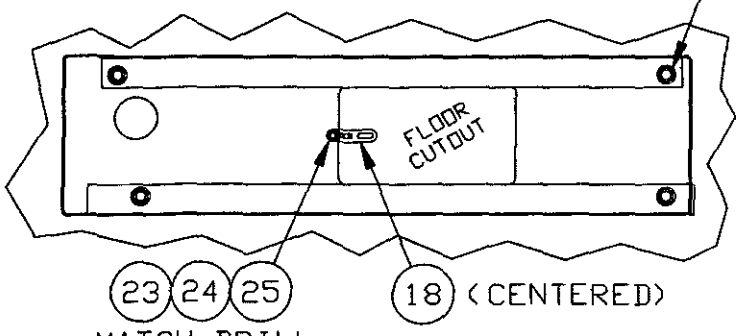
A84217

NOTE:
FOR ANY TRUCK EXCEPT MT5500 -
ITEMS 1, 2, 4, 5 & 6 ARE "REFERENCE ONLY" PARTS, AND ARE CONTAINED IN DRIVE SYSTEM PACKAGE.

FOR MT5500 TRUCK ONLY -
ITEMS 2, 4, 5 & 6 ARE "REFERENCE ONLY" PARTS. THEY ARE SUPPLIED WITH ITEM 1 SELECTOR SWITCH.







NOTE 1: WIRE PER APPROPRIATE ELECTRICAL SCHEMATIC AND WIRING DIAGRAM.

NOTE 2: LOCATE ITEM 18 APPROX WHERE SHOWN AND MOUNT AS SPECIFIED.

SEC A—A

UNIT RIG CAD ™

CAB SHIFTER ASSY

SHEET 1 of 1

A84217

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ENG. APP. PITTMAN
REL. CK. ELLIS

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E.N. NO.

	ITM		QTY	UM	COMPONENT	DESCRIPTION
S	1	R	1		*20379*	SWITCH-SELECTOR GE P/N 41A251348G1
	2	R	1		700946	HANDLE
S	3		1		*83553J*	PLATE, SWITCH MTG
	4	R	3		18353	JUMPER ELECTRIC
	5	R	1		19088	JUMPER-ELECTRIC
	6	R	1		18352	JUMPER ELECTRIC
	7		1		83525C	COVER, CONSOLE
	8		1		83524C	CONSOLE, CENTER
	9		8		52350	SCR, MACH, TRH, 1/4-20NC X 1/2 GR2 PHLH, BLK-OX
	10		4		53726	FASTENER, SLIP ON
	11		4		22605	NUT, INSERT, 1/4-20UNC
	12		4		10703	CAPSCREW, HX, 5/16-18NC X 1-1/2 GR 5
	13		4		10179	WASHER, LK, HELI, 5/16 X .586 OD
	14		11	IN	25769	MOULDING BULK WELT COLOR = BLACK
	15		1		915153	SWITCH
	16		1		915441	POTENTIOMETER
	17		1		19198	KNOB-SWITCH
	18		4		16999	PLATE-TIE, PANDUIT
	19		2		17547	SCREW, MACH, RHD, 10-32NF X 1/2 GR 2
	20		2		12867	NUT-HEX, 10-32
	21		2		22048	WASHER, FL#10 (SAE) X .437 OD
	22		2		28537	WASHER, LK, HELICAL, #10 X .334 OD
	23		1		10001	CAPSCREW, HX, 1/4-20NC X 3/4 GR 5
	24		1		15675	NUT-HX, CRNLK 1/4-20NC STD GR B
	25		1		10162	WASHER, FL, 1/4 X 0.625 OD
	99	R	1		A84217	DWG ONLY, SHIFTER

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A84217E

AVERT-TEREX

DR. MASSIE

ENG. APP. SLF

REL. CK. ELLIS

FOR ANY TRUCK
EXCEPT MT5500
CAB SHIFTER ASSY

*SEE SERVICE PARTS

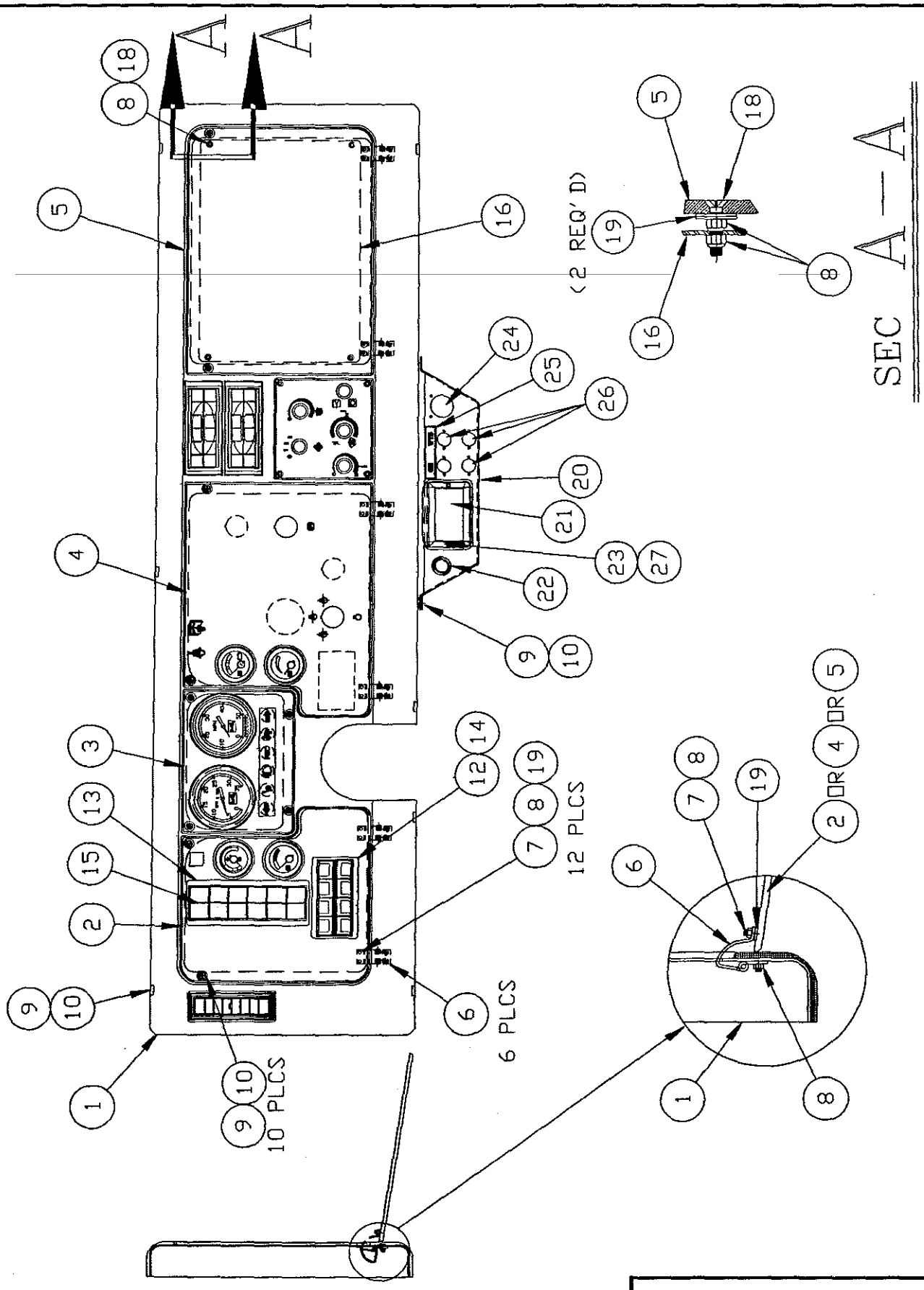
TEREX MINING

CAB SHIFTER ASSY

SHEET 1 OF 1

A84217E

91732
E.N. NO.



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ENG. APP.	MASSIE
REL. CK.	ELLIS

E.N. NO.
88436
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UNIT RIG CAD ™

DASH & SHROUD ASSEMBLY

SHEET 1 OF 1

A84230

A84230E

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	1		83454B	SHROUD, DASH PANEL
	2	1		83553A	PANEL, DASH LH
S	3	1		*83553B*	PANEL, DASH CENTER
S	4	1		*83553U*	PANEL, DASH, R. H.
	5	1		83553F	PANEL, COVER
	6	6		83455A	HINGE, DASH PANEL
	7	12		53806-05	SCREW, MACH, FH, 8-32NC X 5/8 GR 2, PHL H BLK OXD
	8	32		25128	NUT-LOCK HX(8-32NC)
	9	21		52350	SCR, MACH, TRH, 1/4-20NC X 1/2 GR2 PHLH, BLK-OX
	10	21		22605	NUT, INSERT, 1/4-20UNC
	12 R	1		NOT-USED	PART NOT USED
	13 R	1		NOT-USED	PART NOT USED
	14 R	1		NOT-USED	PART NOT USED
	15 R	1		NOT-USED	PART NOT USED
	16	1		83630A	PANEL, MOUNTING ELECT
	18	4		53806-08	SCR, MACH, FH, 8-32NC X 1" LG, PHL H BLK OXD
	19	20		52366	WASHER, FL, #8 X .562 OD
	20	1		84688B	BRACKET, ASHTRAY & LTR
	21	1		56373	ASHTRAY
	22	1		18053	LIGHTER-CIGAR, 12V
	23	2		56374-06	SCR, MACH, FH, 6-32NC X 3/4 GR 2, PHL H BLK OXD
	24	1		21462	PLUG-SNAP BUTTON
	25	1		84699A	NAME PLATE, SERIAL PTS
	26	3		21455	PLUG-SNAP BUTTON FOR 3/4" DIA HOLE
	27	2		25253	NUT-LOCK HX 6-32NC
	30 R	1		A84230	DWG ONLY, DASH/SHROUD

FOR ROPS CAB -- OPENING FOR HOURMETER IN R.H. PANEL -- NO SWITCH OPENING FOR AUX. STEERING

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92891
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E.N. NO.

*SEE SERVICE PARTS

TEREX MINING

DASH & SHROUD ASSY

SHEET 1 OF 1

A84230E

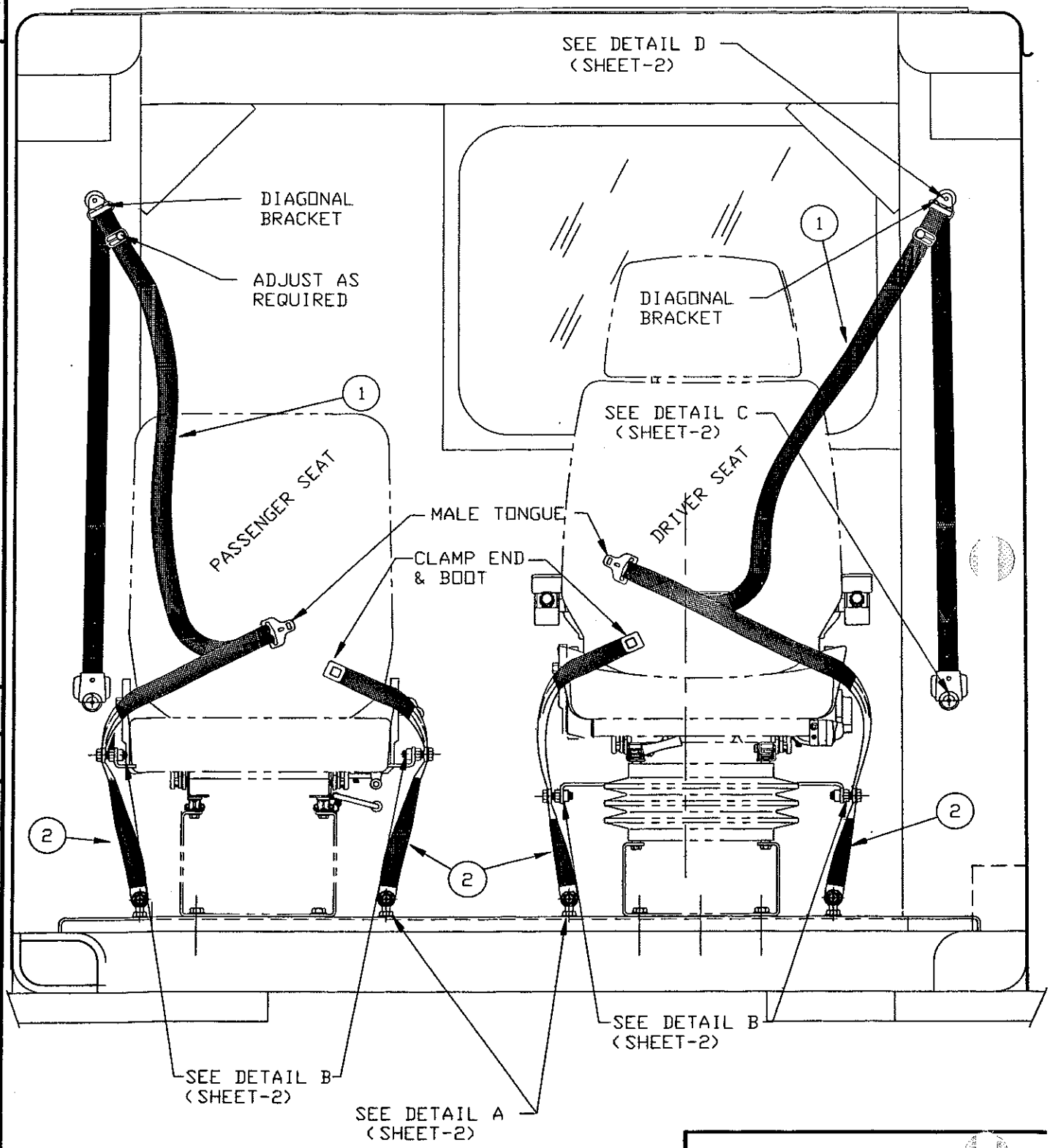
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ENG. APP. R. MASSIE

REL. CK.



UNIT RIG CAD

NO SCALE

88689

E.N. NO.

SEAT BELT ASSEMBLY

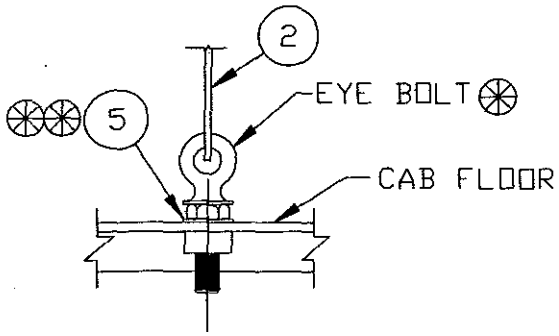
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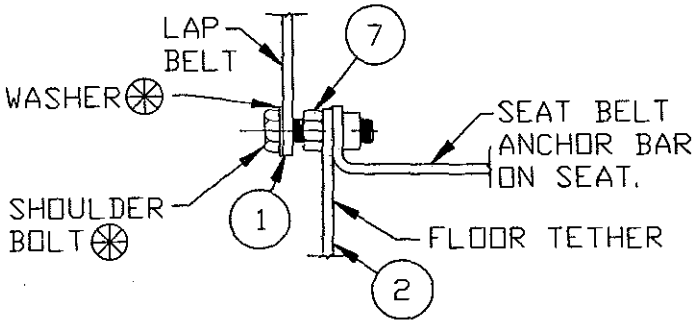
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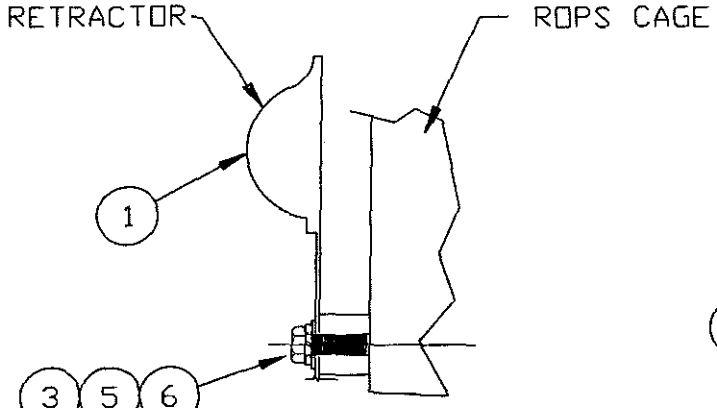
DR.
T. DODEN
ENG. APP.
REL. CK.



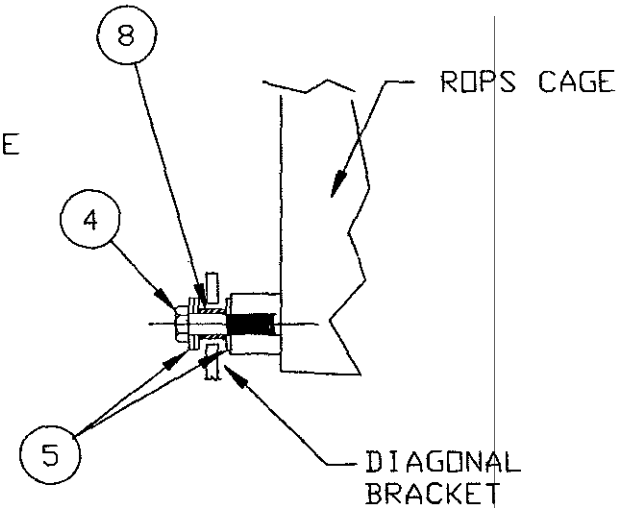
ANCHOR DETAIL A



ANCHOR DETAIL B



ANCHOR DETAIL C



ANCHOR DETAIL-D

⊛ ITEM SUPPLIED IN TETHER KIT ITEM #2

⊛⊛ OPTIONAL TO SPACE EYE BOLT ABOVE MAT. MUST HAVE FULL NUT THREAD ENGAGEMENT ON BOTTOM.

88689
E.N. NO.

UNIT RIG CAD

SEAT BELT ASSEMBLY

SHEET 2 OF 2

A84375

A84375E

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	2		57158	SEAT BELT-LAP/SHLDR TO ACCOMODATE LARGER DRIVERS, W/ORANGE WEBBING.
2	1		53764	KIT, TETHER, W/HARWARE F/SEAT BELT
3	2		10107	CAPSCR, HX, 7/16-20NF X 1 GR 5
4	2		52150	CAPSCR, HX, 7/16-20NF X 1-1/4 GR 8
5	12		52369	WSHR, FL, 7/16 X 1.25 OD
6	2		10181	WASHER, LK, HELI, 7/16 X .779 OD
7	4		12007	NUT, HX, 7/16-20NF STL GR 5
8	R 2		82326A	SPACER, ANCHOR
10	R 1		N84375B	ASSEMBLY NOTE - NO DWG USE TETHER STRAPS INCLUDED W/OPERATORS SEAT.
20	R 1		A84375	DWG ONLY, SEAT BELT ASSY

FOR ROPS CAB. INCLUDES BELTS WITH SHOULDER STRAPS FOR OPERATOR'S & PASSENGER SEATS. BELTS HAVE ORANGE WEBBING. FOR USE W/OPERATORS SEAT W/BUILT IN TETHERS.

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ENG. APP. ROBINSON

REL. CK. ELLIS

94208

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TEREX UNIT RIG

SEAT BELT ASSEMBLY

SHEET 1 OF 1

A84375E

A84399

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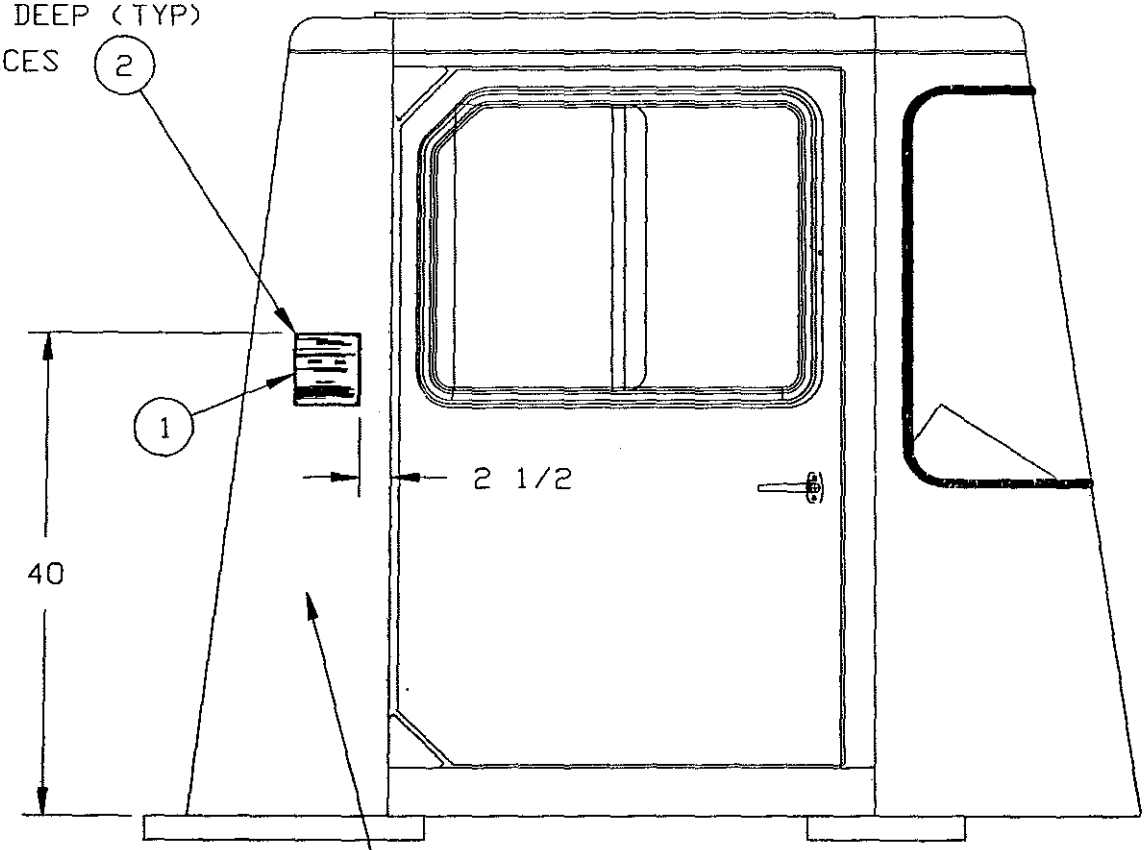
DR. FUJAN

ENG. APP.

REL. CK.

88757
E.N. NO.

DRILL NO. 31 (.120)
X 1/2 DEEP (TYP)
4 PLACES (2)



UNIT RIG
CAD ™

ROPS CERTIFICATION
LABEL ASSEMBLY

SHEET 1 OF 1

A84399

A84399A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		83180C	LABEL,ROPS CERT. 4400
2	4		10543	SCREW,RD,U-DRIVE,#6 X 5/16,ZP

FOR MT4400 ROPS
CAB

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REL. CK. J.ELLIS

92831
88757
E.N. NO.

TEREX MINING™

ROPS CERT. LABEL ASSY

SHEET 1 OF 1

A84399A

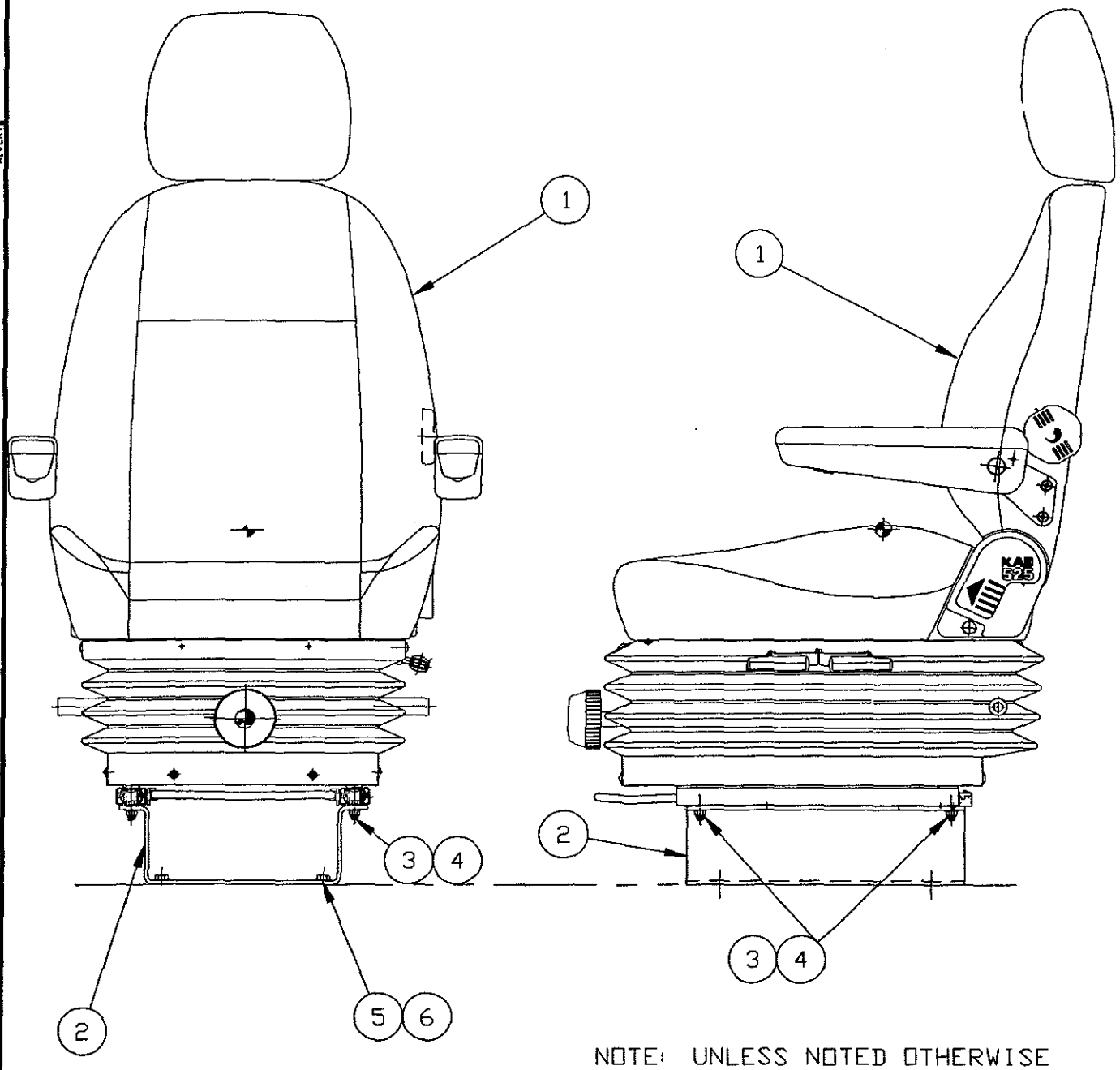
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ENG. APP.

REL. CK.



NOTE: UNLESS NOTED OTHERWISE SUSPENDED SEAT ALWAYS MOUNTS AT OPERATORS POSITION.

89159

E.N. NO.

UNIT RIG CAD ™

SEAT ASSY

SHEET 1 OF 1

A84563

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		85971E	SEAT, AIR RIDE SEATS INC. SEATS INC. AIR SUSP. SEAT W/INTEGRAL 24V COMPRESSOR W/GRAY TWEED CLOTH UPHLSTRY & HEADREST. INCLUDES RISER.
2 R	1		N84563H	ASSEMBLY NOTE - NO DWG ITEMS 2, 3, &4 ARE FURNISHED W/ITEM #1
5	4		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
6	4		10164	WASHER, FL, 3/8 X 1 OD, ZP
7	1		N84563S	ASSEMBLY NOTE - NO DWG WIRE PER OPTION SCHEMATIC USING ITEMS 8, 9, & 10.
8	35	FT	24583	CABLE-14AWG
9	2		20641	TERMINAL-RING TONGUE #10 HOLE, 16-14 AWG
10	2		22755	TERMINAL-BUTT 16-14 AWG
15 R	1		A84563	DWG ONLY, SEAT

SEATS INC. AIR RIDE
SUSP SEAT W/INTEGRAL COMP.
W/GRAY CLOTH UPHLSTRY
& HEAD REST

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DR. DODEN
ENG. APP. ROBINSON
REL. CK. ELLIS

94444
94014
E.N. NO.

TEREX UNIT RIG

SEAT ASSY, OPERATORS

SHEET 1 OF 1

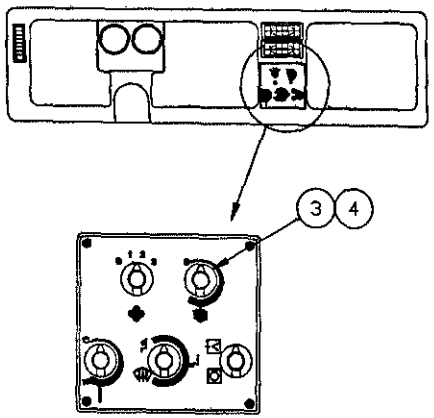
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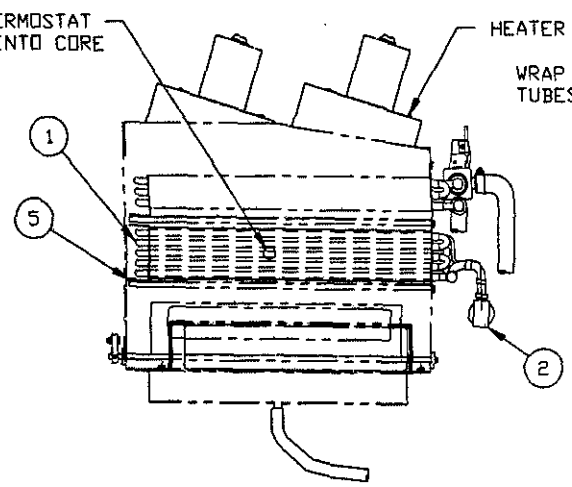
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ENG. APP.
NIELSEN
REL. DR.
ELLIS

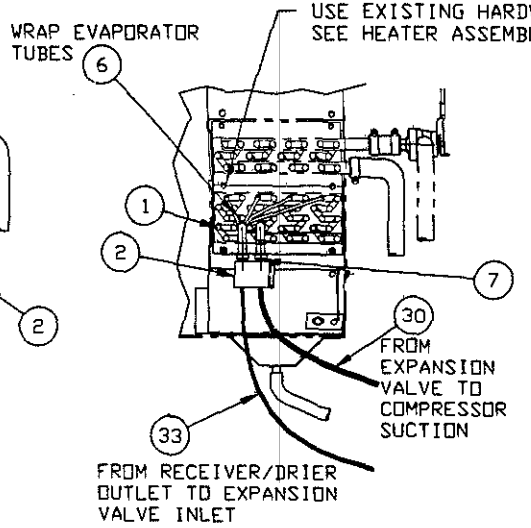
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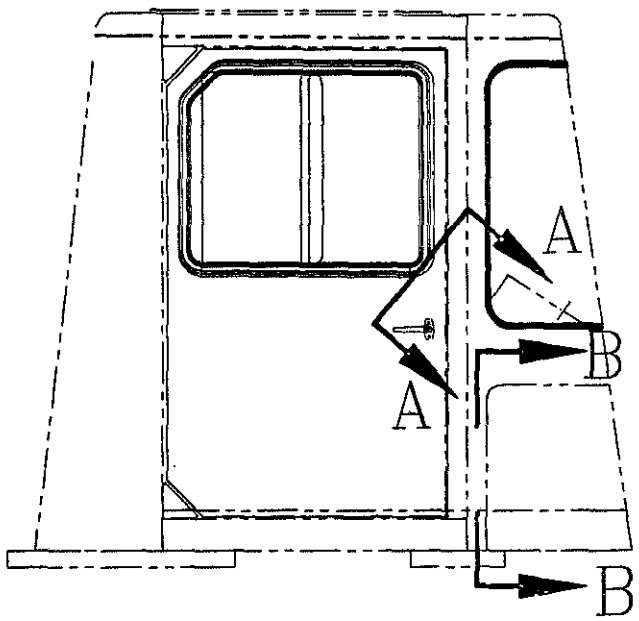


SEC A–A



SEC B–B





TEREX
UNIT RIG

AIR CONDITIONER ASSEMBLY

PG 1 OF 8

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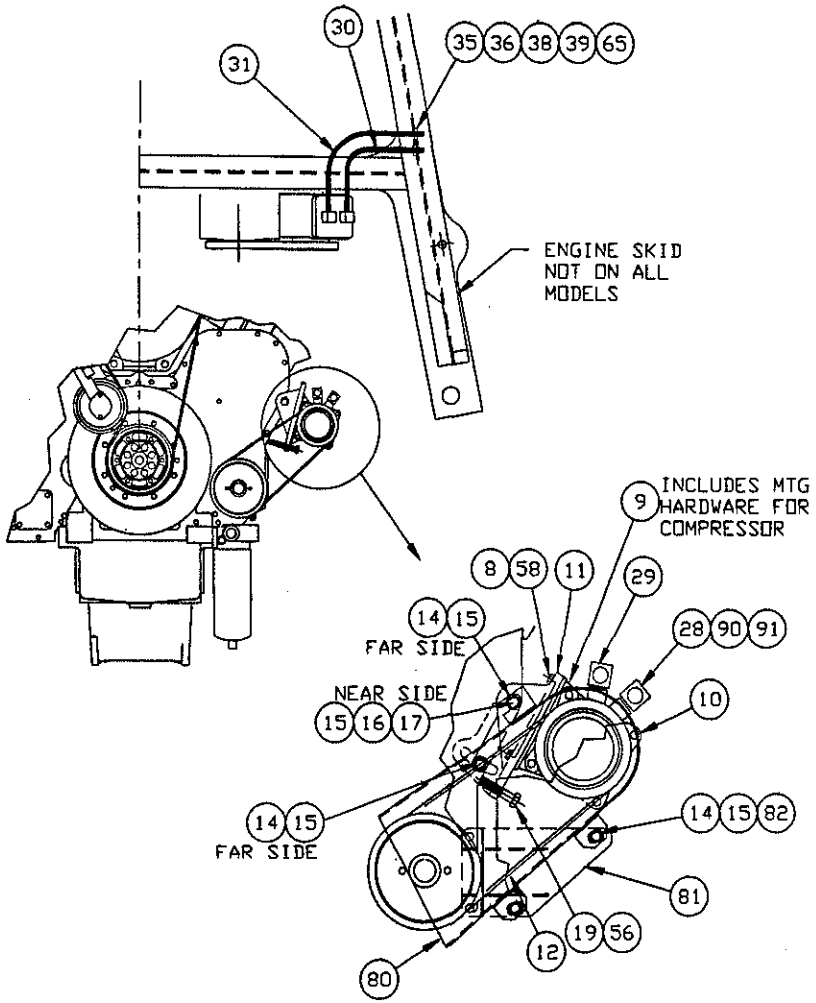
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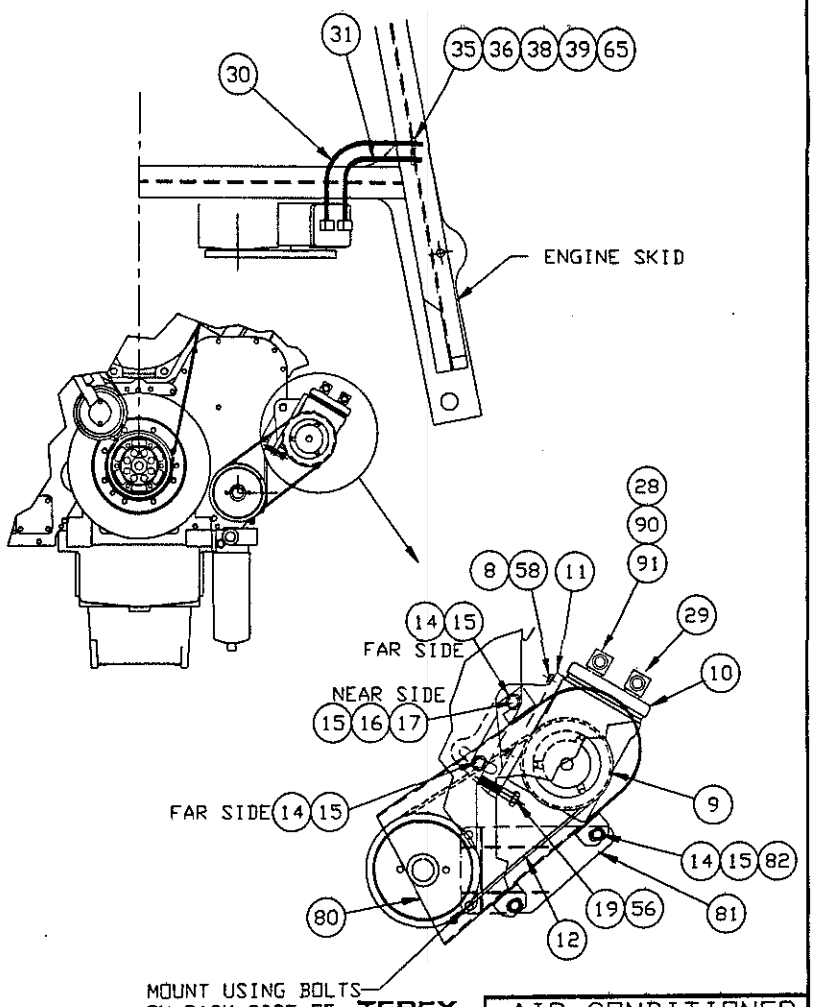
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E.N. NO.

UNITS W/CUMMINS KTA38 OR KTA50 ENGINES W/SANDEN COMP.



UNITS W/CUMMINS KTA38 OR KTA50 ENGINES W/YORK COMP.



TEREX UNIT RIG SIZE F

AIR CONDITIONER ASSEMBLY

PG 2 OF 8

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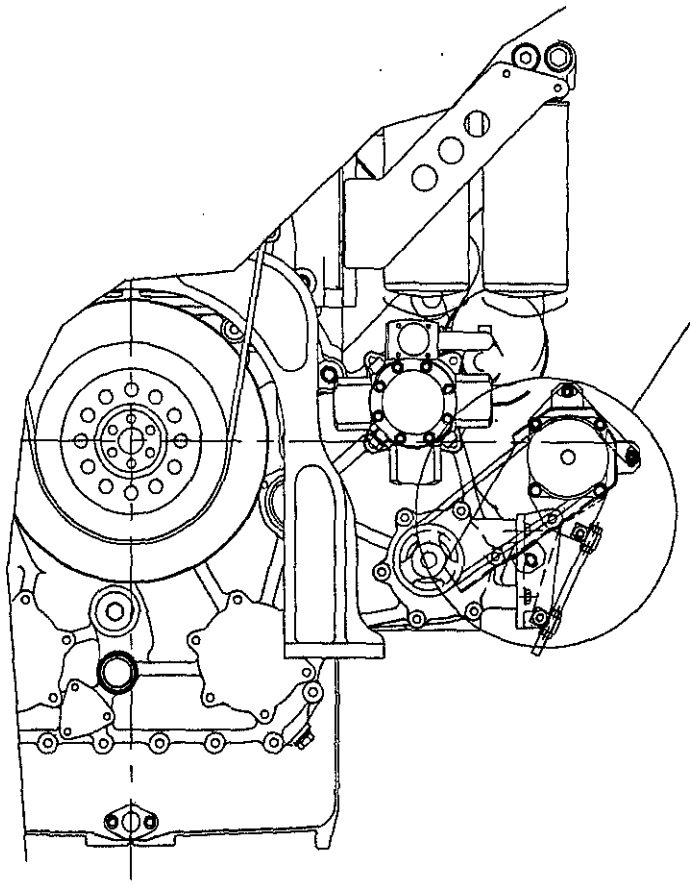
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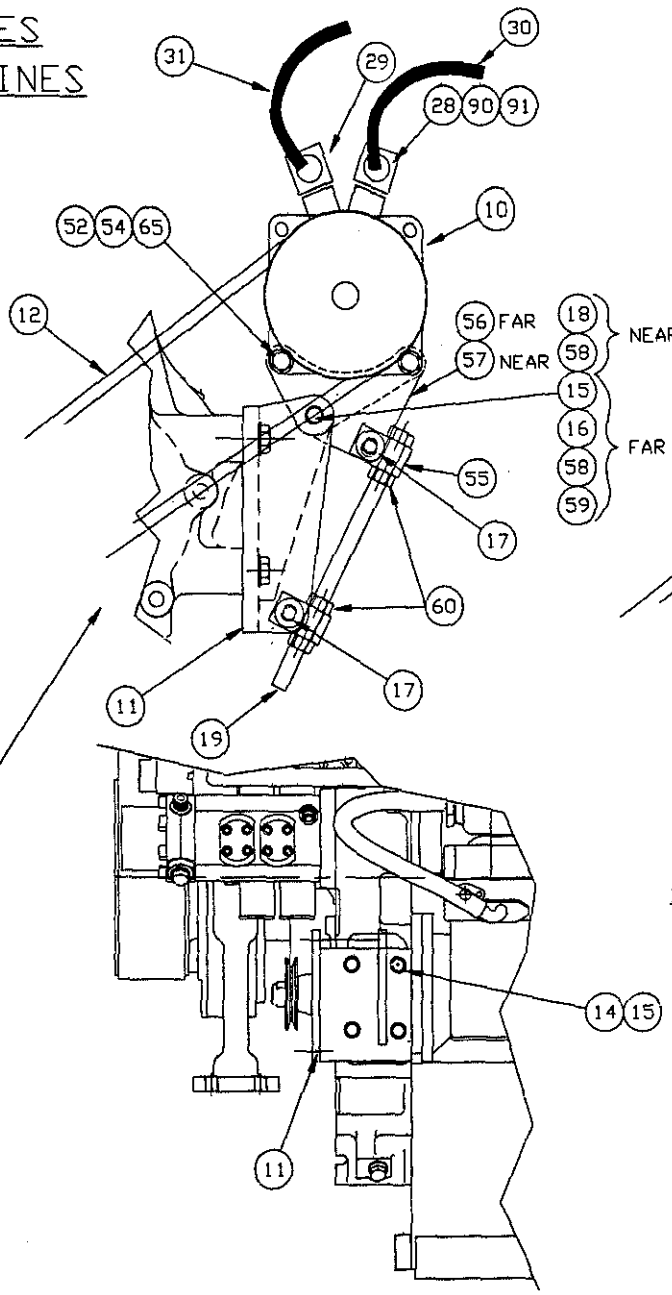
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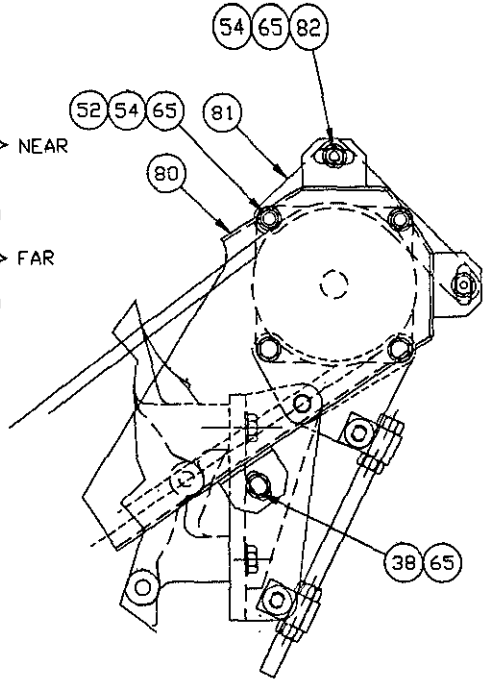
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ENG. APP.
REL DT.

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E.N. NO.

UNITS WITH DDC 4000V ENGINES
12 & 16 CYLINDER TIER 1 ENGINES







BELT GUARD INSTALLATION

TEREX
UNIT RIG

AIR CONDITIONER ASSEMBLY

PG 3 OF 8

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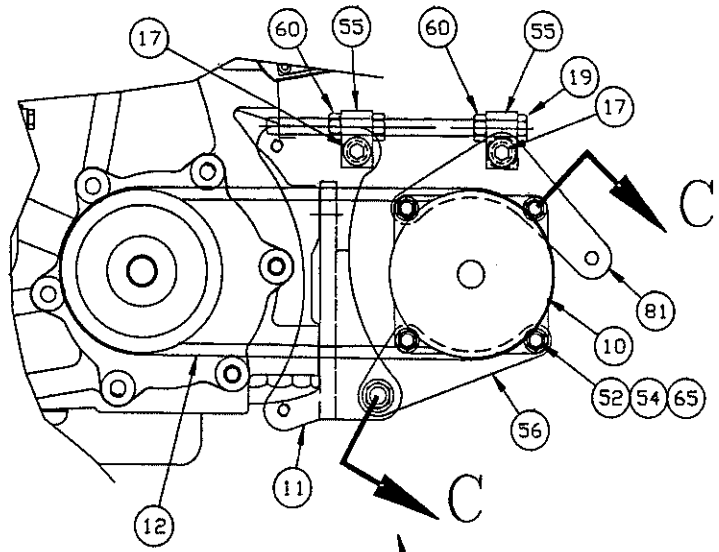
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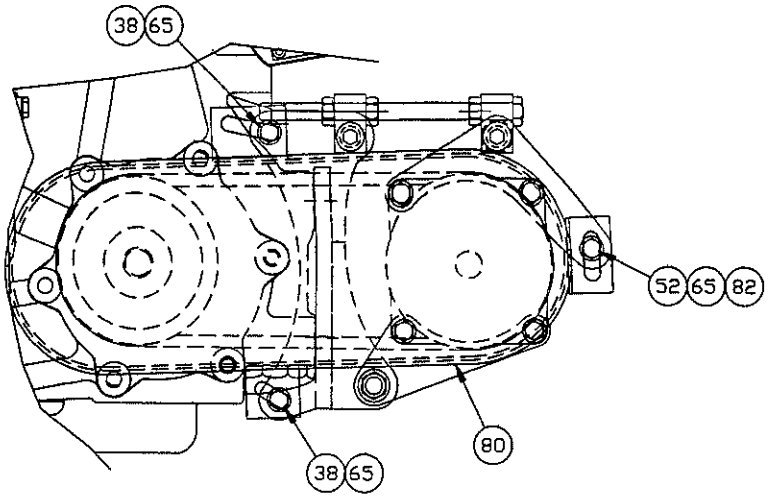
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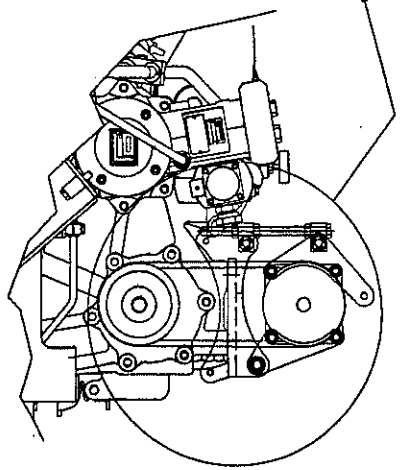
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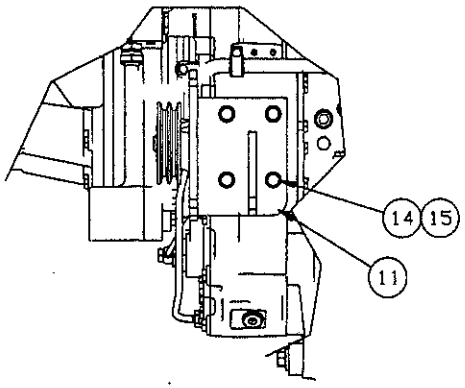
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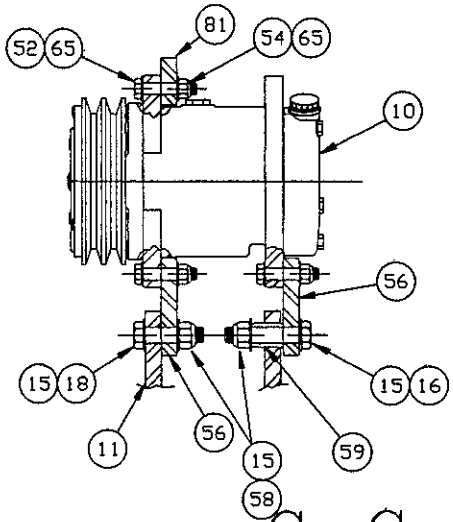
UNITS WITH DDC 4000V ENGINES
12, 16 & 20 CYLINDER TIER 2 ENGINES











SEC C—C

TEREX UNIT RIG

AIR CONDITIONER ASSEMBLY

PG 4 OF 8

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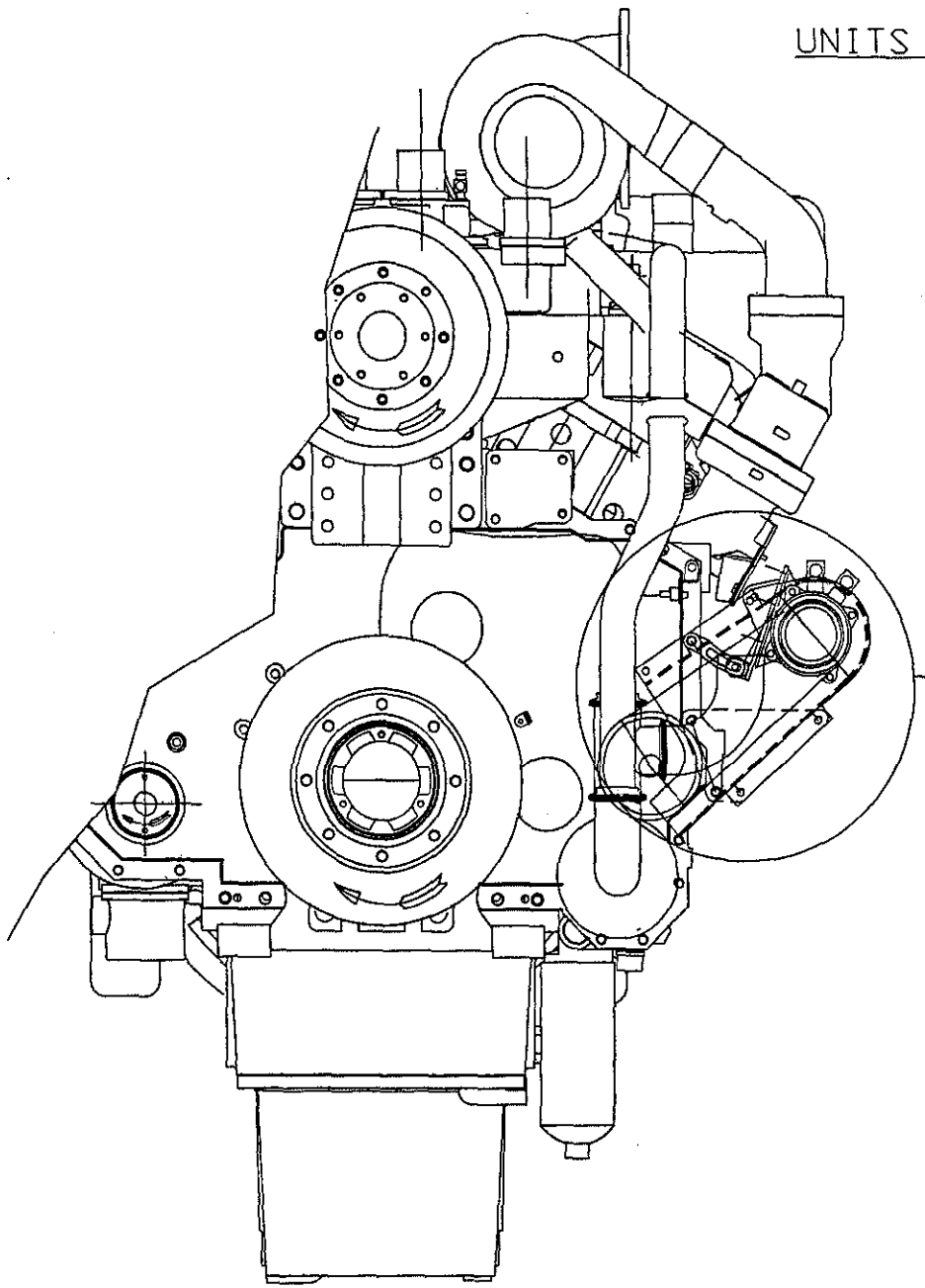
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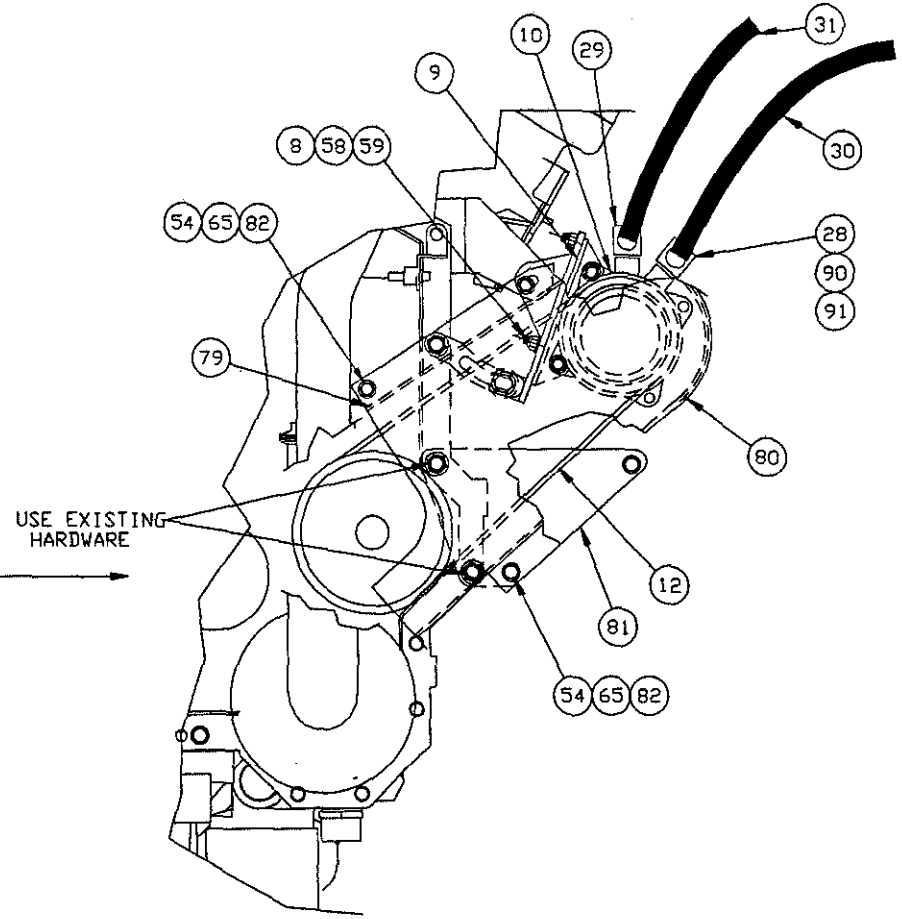
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ENG. APP.
REL. DC

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E.N. NO.

UNITS WITH CUMMINS QSK45/60 ENGINES





TEREX UNIT RIG

AIR CONDITIONER ASSEMBLY

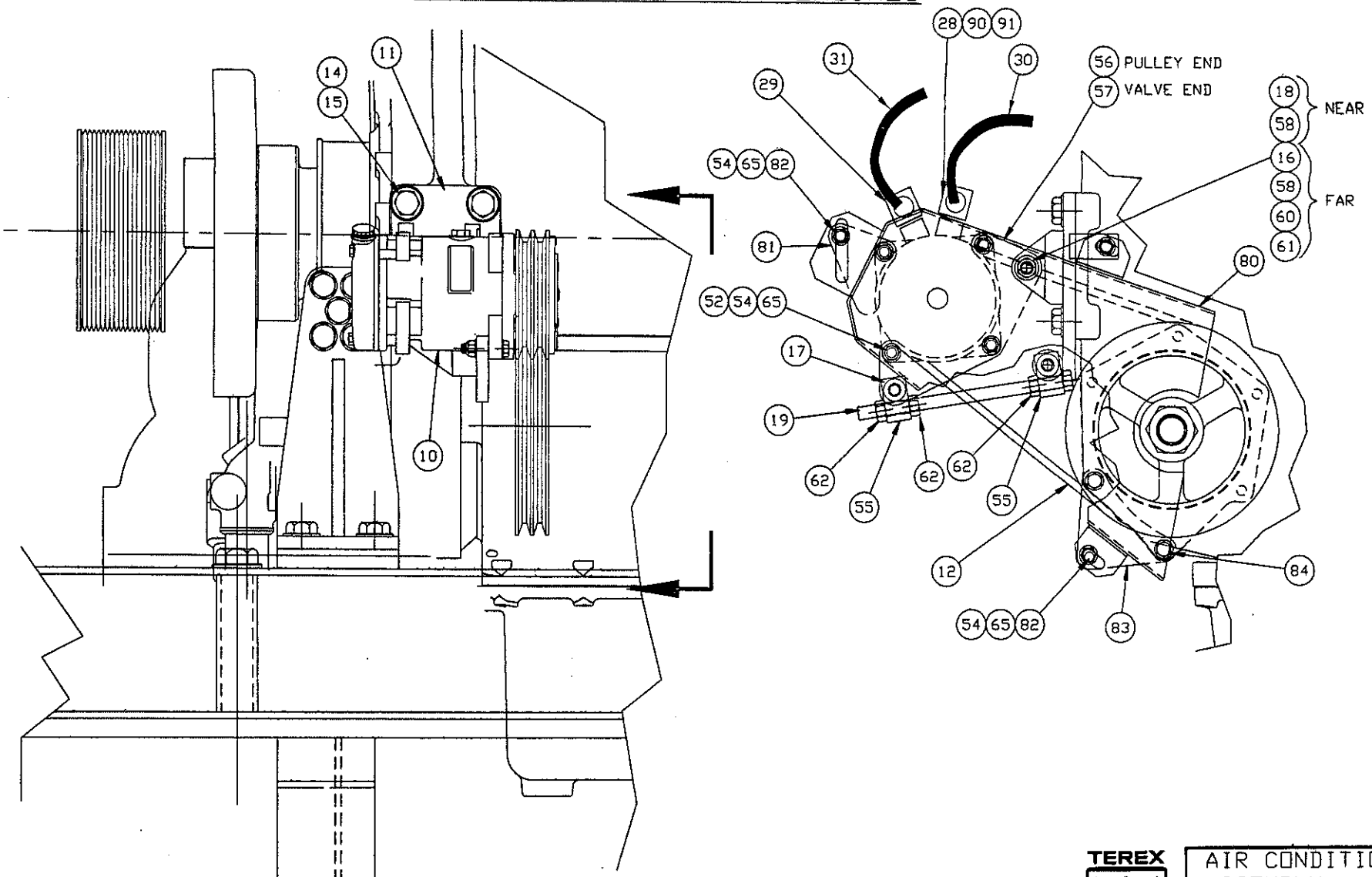
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UNITS WITH DDC 2000V ENGINES



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ENG APP.	
REL. DR.	
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RED	
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E.N. NO.	

TEREX UNIT RIG SIZE B

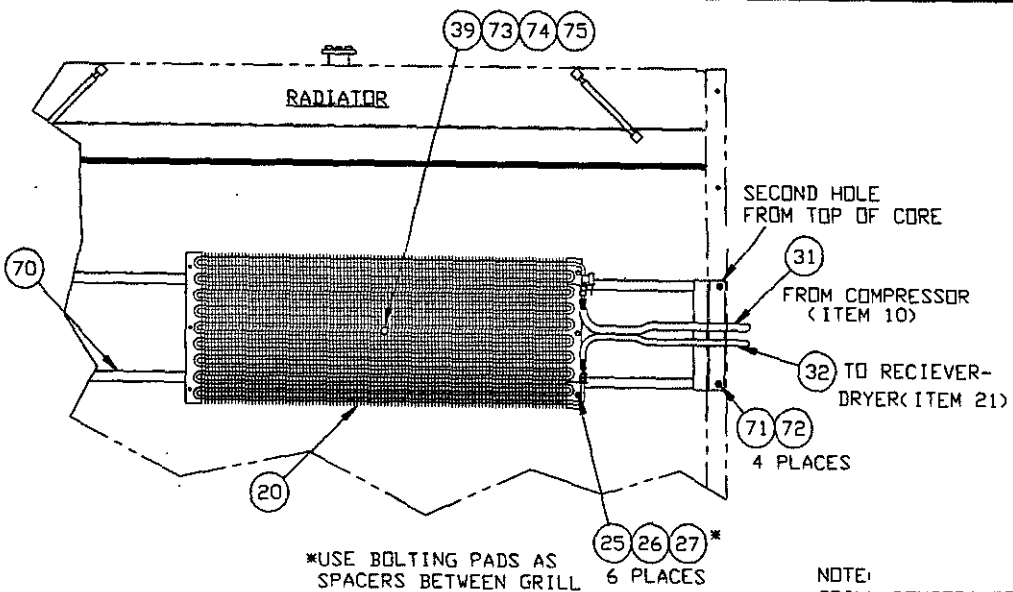
AIR CONDITIONER ASSEMBLY

PG 6 OF 8

A84788

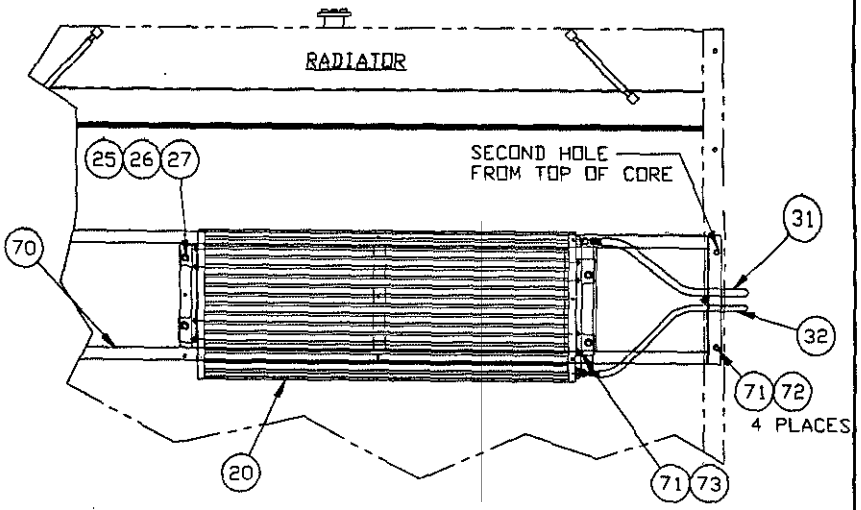
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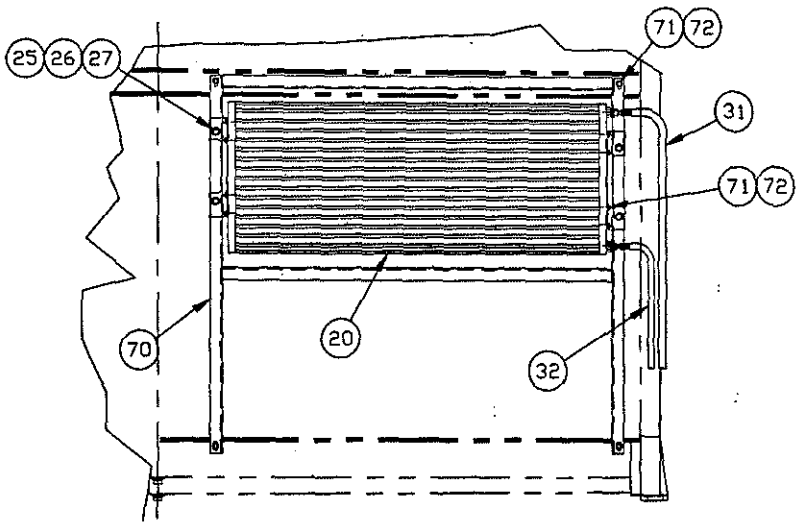
*USE BOLTING PADS AS SPACERS BETWEEN GRILL DENSER AND MOUNTING BRACKET.

CONDENSER MOUNTING ON MT30/33/36/3700 W/CONDENSER BRACKET MOUNTING TO RADIATOR SIDE MEMBERS

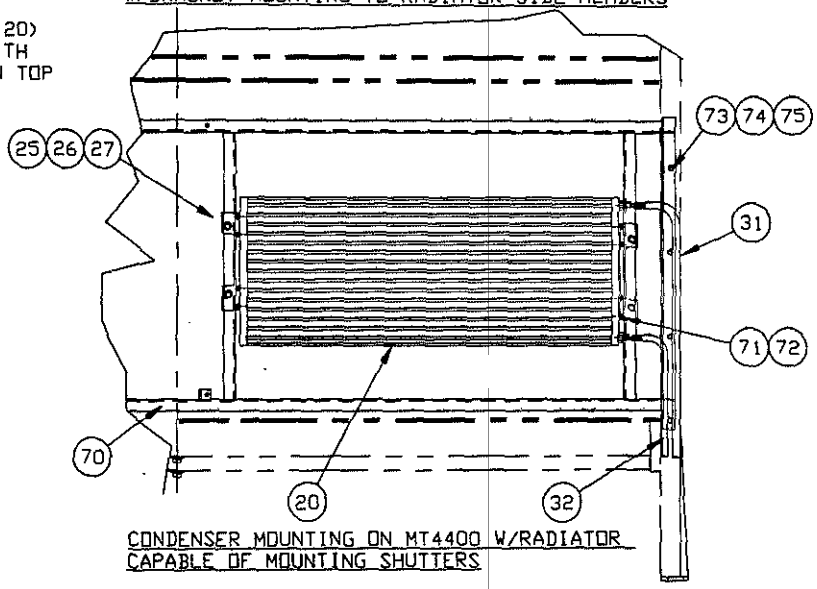


HIGH CAPACITY CONDENSER MOUNTING ON MT30/33/36/3700 W/BRACKET MOUNTING TO RADIATOR SIDE MEMBERS

NOTE:
GRILL DENSER(ITEM 20) MUST BE MOUNTED WITH LARGER PORT(#8) ON TOP



CONDENSER MOUNTING ON MT4400 W/CONDENSER BRACKET MOUNTED TO CENTER & BOTTOM TANKS



CONDENSER MOUNTING ON MT4400 W/RADIATOR CAPABLE OF MOUNTING SHUTTERS

DR.	T. DODEN
ENG. APP.	
REL. DT.	
	94707
	94558
	RED
	89864
E.N. NO.	

TEREX
UNIT RIG

AIR CONDITIONER ASSEMBLY

PG 7 OF 8

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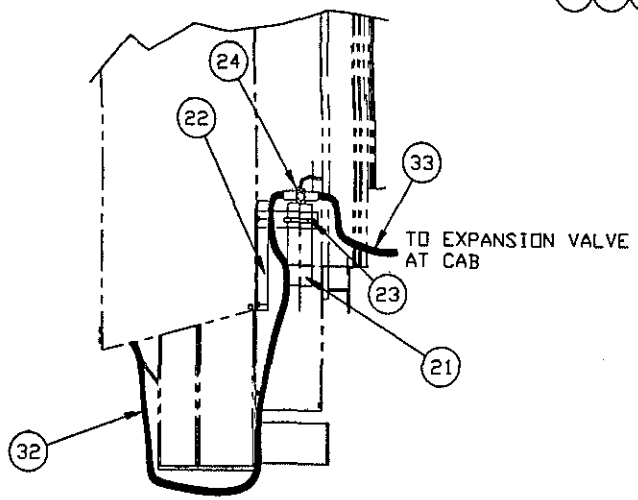
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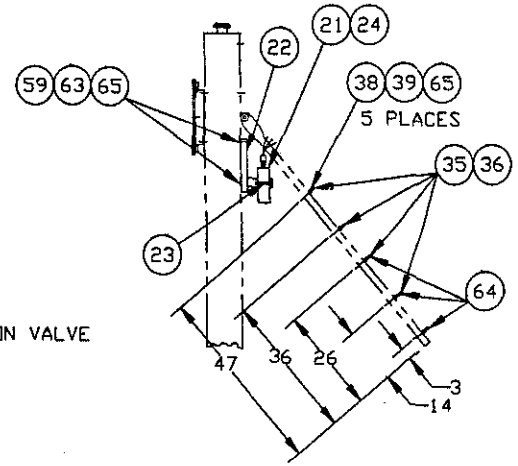
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E.N. NO.



RECEIVER/DRYER MOUNTING
MT4400



RADIATOR STRUT BOLT PAD
AND RECEIVER/DRYER MOUNTING
ON UNITS W/RADIATOR STRUTS

TEREX
UNIT RIG

AIR CONDITIONER ASSEMBLY

A84788

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	1		83418A	CORE-EVAPORATOR
	2	1		55553	VALVE, EXPANSION 1-1/2 TON FOR R134A
	3	1		1009426	THERMOSTAT
	4	1		56372	KNOB, HTR CNTRL
	5	2		53656	RETAINER CLIP
	6	4	FT	23455	SEAL BULK 3.75X.12
	7	2		1051091	O-RING, A/C FTG #8
S	10	1		*55874*	COMPRESSOR-R134A SANDEN SD510 24 VOLT CLUTCH 2 "A" SHEAVES 5.19 OD
	11	1		85591A	BRACKET, COMPRESSOR
	12	1		15981	BELT-V SINGLE
	14	4		55884-035	CAPSCR, HX, M12X1.75 X 35MM LG, GR10.9
	15	5		22465	WASHER, FL, 1/2
	16	1		10032	CAPSCREW, HX, 1/2-13NC X 2-1/4 GR 5
	17	2		56155	SCR, SHLDR, SKTHD, 5/8 X 1" GR 8, 1/2-13UNC
	18	1		10030	CAPSCREW, HX, 1/2-13NC X 1-3/4 GR 5
	19	1		17453	BOLT-TAP, 1/2NCX8
	20	1		51965	CONDENSER, AIR COND. HEAVY DUTY
S	21	1		*1009442*	RECEIVER DRYER
	22	1		71778A	MOUNT, REC, DRY
	23	1		25243	CLAMP-U BOLT 3" 3" I.D.
	24 R	1		29912	HARNESS-SW(TRINARY)
	25	4		10029	CAPSCREW, HX, 1/2-13NC X 1-1/2 GR 5
	26	4		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
	27	4		22465	WASHER, FL, 1/2
	28	1		55354	SERVICE VALVE, #10 WITH O-RINGS MALE BUMPED TUBE 'O' RING -- R134A REFRIGERANT
	29	1		55355	SERVICE VALVE, #8 WITH O-RINGS MALE BUMPED TUBE 'O' RING -- R134A REFRIGERANT
	30	1		54442-135	HOSE ASSY GALAXY-10 135"LG W/Z24910A-Z10 & 24910A-Z50 FTGS
	31	1		54436-135	HOSE ASSY GALAXY-08 135"LG W/ 24908A-Z48 & 24908A-Z88 FTGS

*SEE SERVICE PARTS

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DR. DODEN

ENG. APP. WFR

REL. CK. ELLIS

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E.N. NO.

TEREX MINING

AIR CONDITIONER ASSY

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ITM	QTY	UM	COMPONENT	DESCRIPTION
32	1		54435-067	HOSE ASSY GALAXY-06 67"LG W/24906A-Z46 & 24906A-Z86 FTGS
33	1		54455-194	HOSE ASSY GALAXY-06 194"LG W/24906A-Z06 & 24906A-Z86 FTGS
35	1		17141	CLAMP-CUSHION 7/8 ID
35	1		17141	CLAMP-CUSHION 7/8 ID
36	1		19083	CLAMP-CUSHION 3/4
36	3		19083	CLAMP-CUSHION 3/4
38	4		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
38	1		10011	CAPSCREW, HX, 3/8-16NC X 3/4 LG GR 5
39	3		948634	PAD, BOLTING 3/8 NC 3/4 OD X 3/4 LG
41 R	1		22140	SEALANT-REFRIGERANT, OIL
42	15		18402	TIE, WRAP HEAVY DUTY 3/16 TO 3-1/2 BUNDLE
43	10		26887	TIE STRIP STANDARD DUTY 3/16 TO 1-7/8 BUNDLE
45	2		22755	TERMINAL-BUTT 16-14 AWG
52	6		10015	CAPSCREW, HX, 3/8-16NC X 1-3/4 GR 5
54	8		17413	NUT-HEX, FLXLC 3/8-16
55	2		84938A	ADJUSTER, BELT
56	1		62364W	MOUNT, COMPRESSOR REAR
57	1		62364X	MOUNT, COMPRESSOR FRT
58	2		17412	NUT, HX, CRNLK, 1/2-13NC STD GR B
59	1		85590A	BUSHING, TENSION 3/4OD X 1
60	3		10137	NUT, HX, JAM, 1/2-13NC STL GR 2
63	2		10014	CAPSCREW, HX, 3/8-16NC X 1-1/2 GR 5
64	3		17142	CLAMP-CUSHION 1-1/16
65	14		10164	WASHER, FL, 3/8 X 1 OD, ZP
70	1		69743N	BRACKET, GRILLDENSER
71	12		11103	CAPSCREW, HX, 3/8-16NC X 7/8 GR 5
72	12		10180	WASHER, LK, HELI, 3/8 X .683 OD
80	1		83535E	GUARD, BELT
81	1		83535F	MOUNT, BELT GUARD

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REL. CK.

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E.N. NO.

TEREX MINING

AIR CONDITIONER AS

A84788N

ITM	QTY	UM	COMPONENT	DESCRIPTION
90 R	4	OZ	86095E	OIL, SANDEN COMPRESSOR PAG OIL FORMULATED FOR USE IN SANDEN COMPRESSORS. BUY BY CASE - P/N 86095C
91 R	1		NA84788N	ASSEMBLY NOTE ADD 4 OUNCES OF P/N 86095C TO SYSTEM WHILE CHARGING WITH R134a.
99 R	1		A84788	DWG ONLY, CAB AIR COND

MT4400 W/DDC16V4000 ENG
SANDEN COMPRESSOR
CONDENSOR MOUNTED IN
FRONT OF RADIATOR

A84788N

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REL. CK.

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E.N. NO.

TEREX MINING

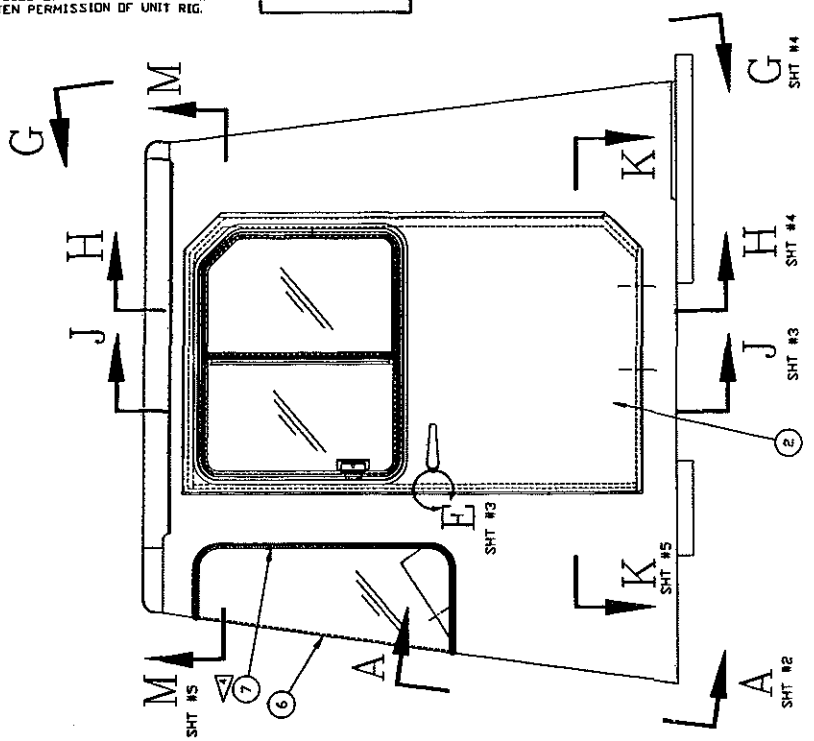
AIR CONDITIONER ASSY

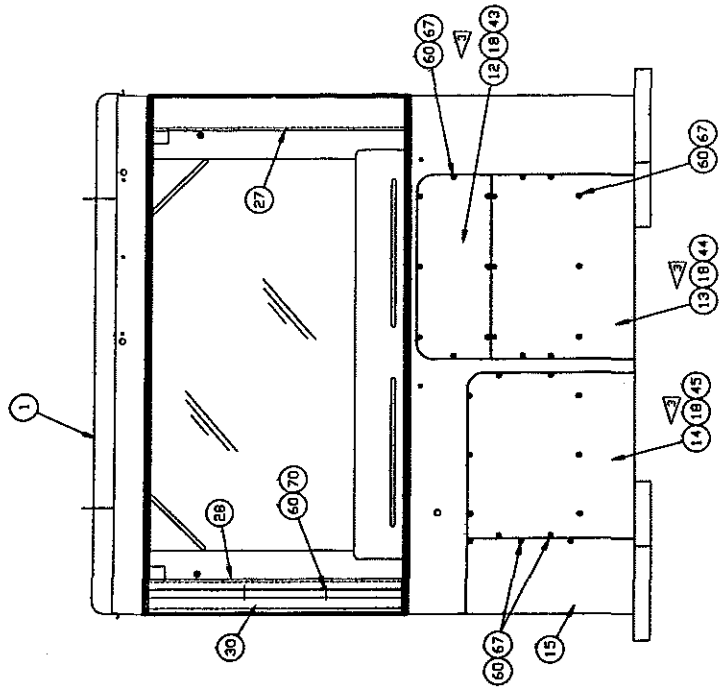
SHEET 3 OF 3

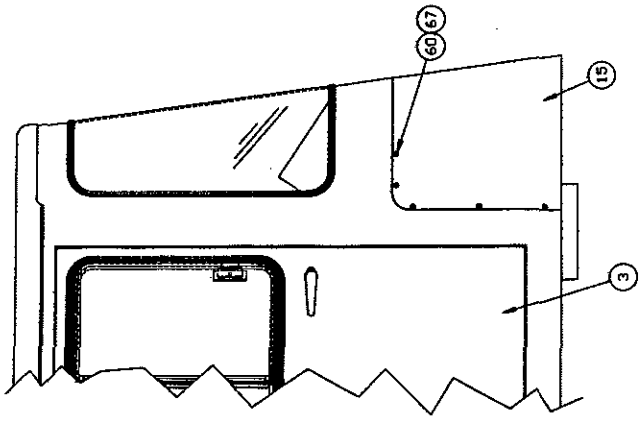
A84788N

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A85100







THIS DRAWING SPECIFIES PART OF A ROLLOVER PROTECTIVE STRUCTURE (ROPS) AND/OR FALLING OBJECT PROTECTIVE STRUCTURE (FOPS). ANY CHANGES, REPAIRS, OR DEVIATIONS FROM THIS SPECIFICATION MUST HAVE PRIOR APPROVAL OF A REGISTERED PROFESSIONAL ENGINEER AND UNIT RIG ENGINEERING.

CAB ASSEMBLY W/ROPS

UNIT RIG

T. L. DODEN

ROBINSON

J. ELLIS

4/27/98

SIZE D

SHEET 1 OF 5

A85100

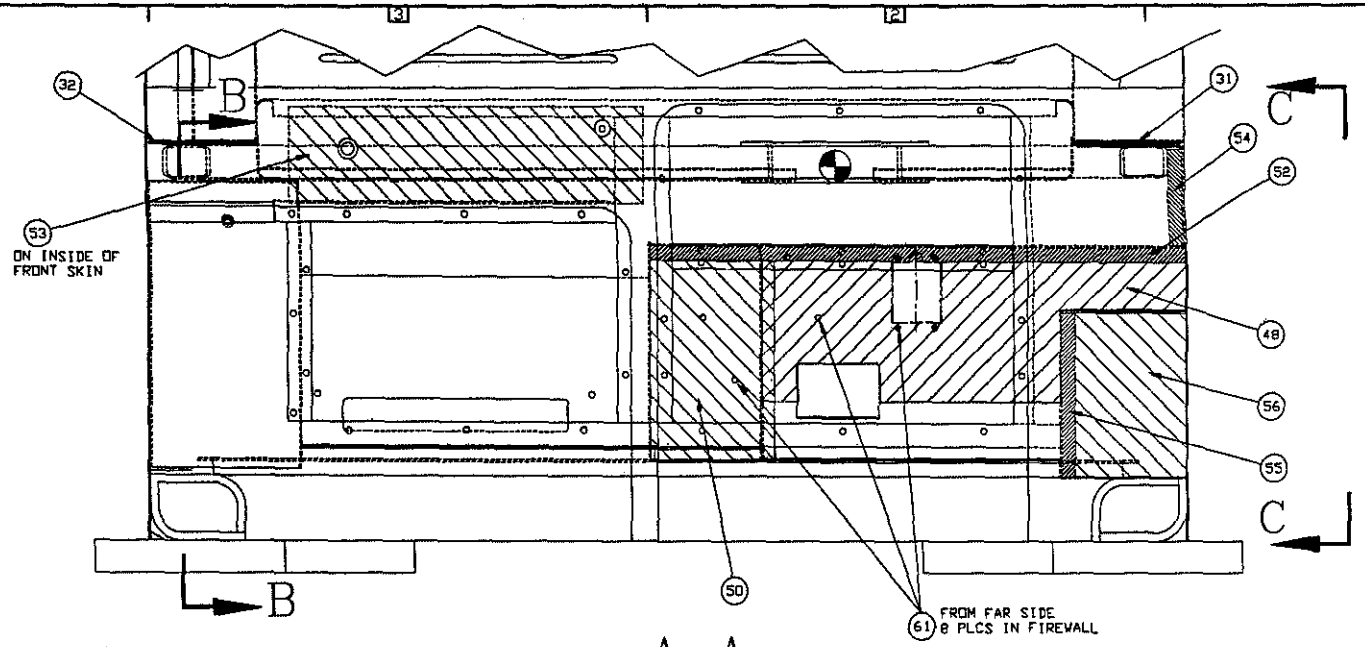
90589	4/98	A85100A			

NOTES:

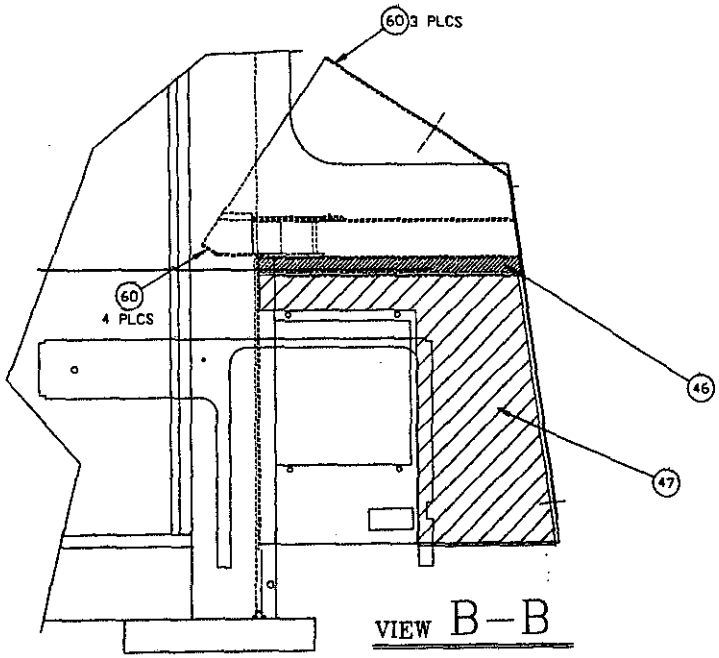
1. INTERIOR TO BE PAINTED GRAY(U/R #53325).
2. EXTERIOR TO BE PAINTED AS DIRECTED ON PURCHASE ORDER.
3. SEE SHEET #5 FOR INSTALLATION OF ITEMS 18, 43, 44, & 45 ONTO ACCESS PANELS
4. USE BLACK SILICONE TO SEAL ALL GAPS BETWEEN MOUNTING WEATHERSTRIP AND METAL OR GLASS.

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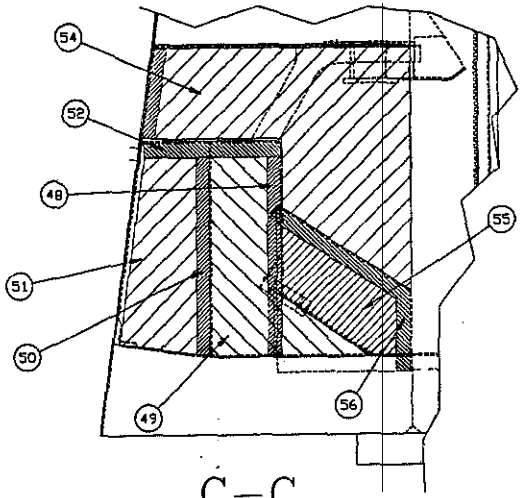
A85100



VIEW A–A



VIEW B–B



VIEW C–C

				CAB ASSEMBLY W/ROPS	
				T. L. DODEN	UNIT RIG
90589	4/98	RELEASE	A85100A	J. ELLIS	4/27/98

SHEET 2 OF 5

A85100

BI115389

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A85100

CAB ASSEMBLY W/ROPS

UNIT RIG

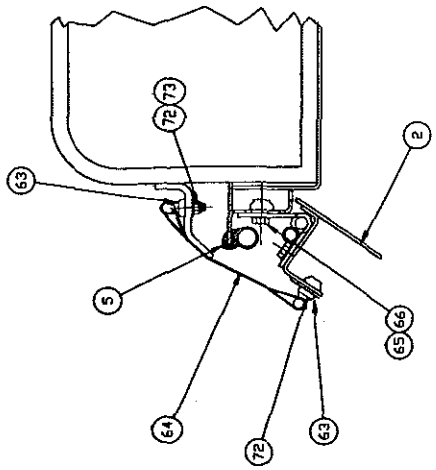
A85100

T. L. DODEN

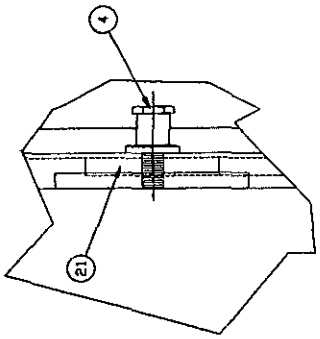
J. ELLIS

4/27/98

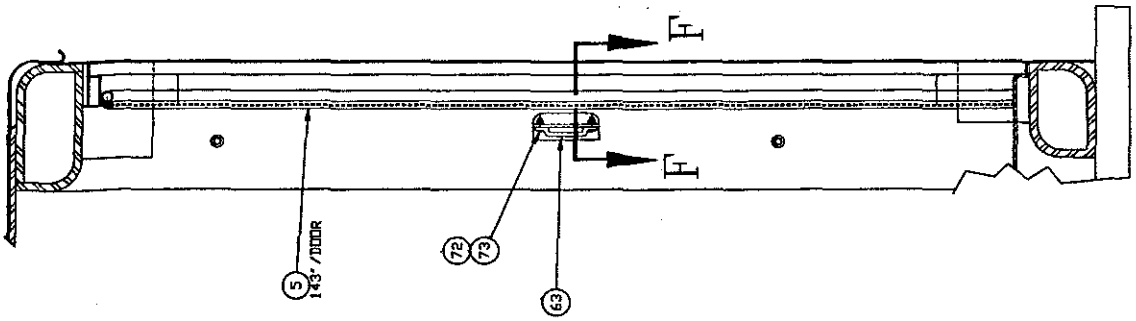
90589 | 4/98 | RELEASE | A85100A



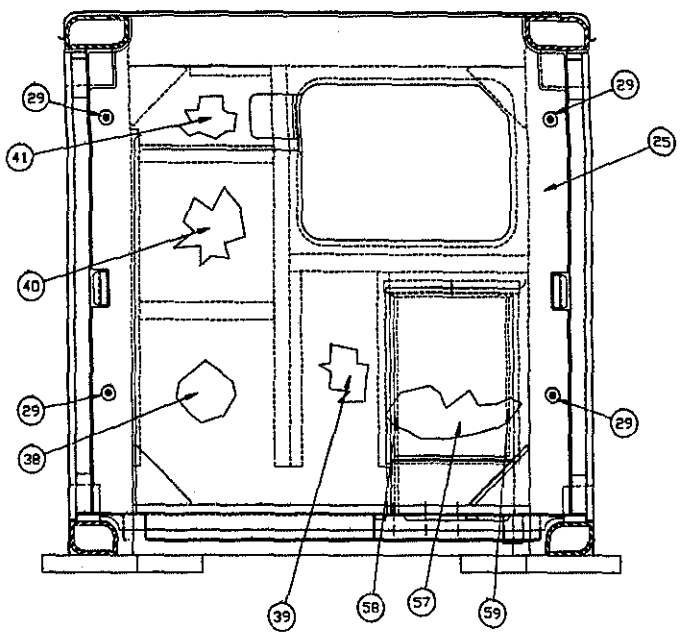
SEC F—F



VIEW E

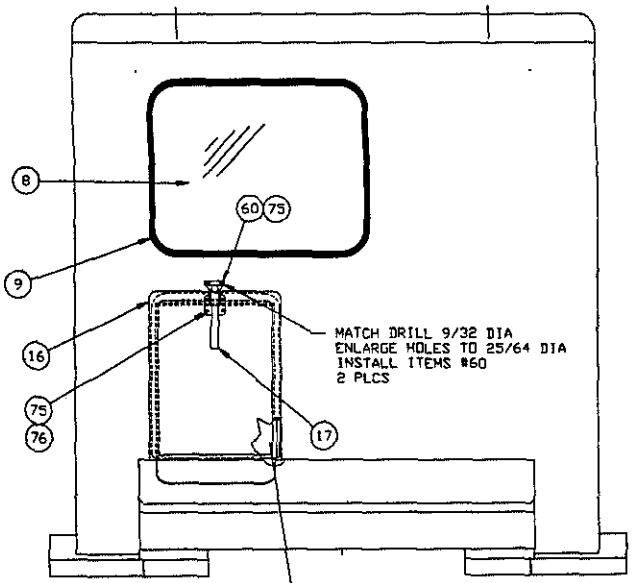


SEC J—J

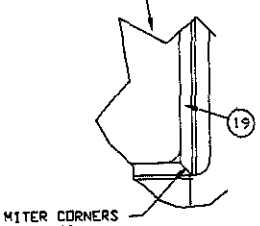


ITEMS 57-59 ARE
LOCATED INSIDE
OF AIR DUCT

VIEW H-H



VIEW G-G



MITER CORNERS
GLUE WITH
P/N 15605

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A85100

90589	4/98	RELEASE	A85100A		

CAB ASSEMBLY W/ROPS

T. L. DODEN

UNIT RIG

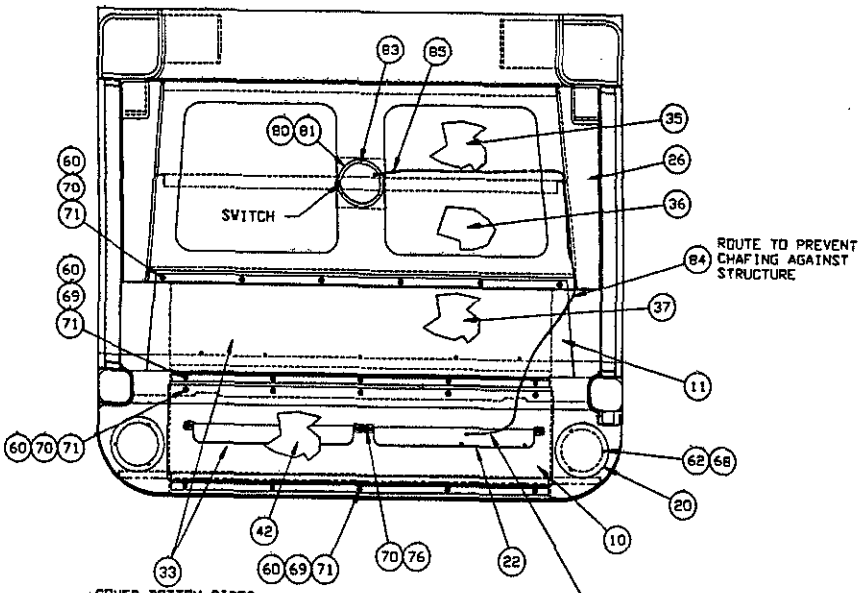
J. ELLIS

4/27/98

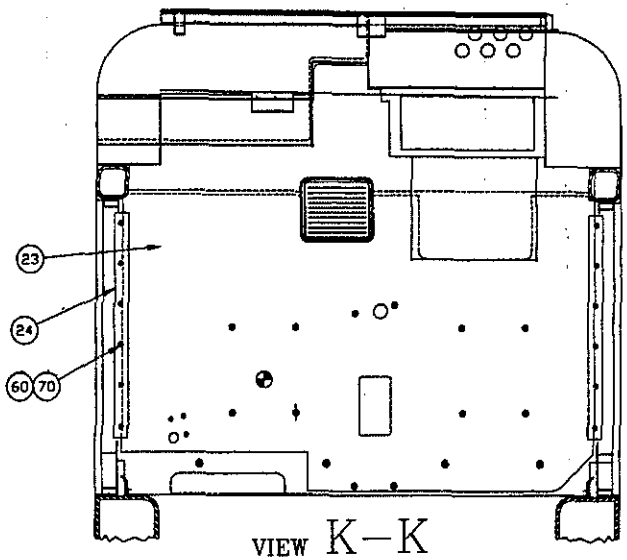
SHEET 4 OF 5

A85100

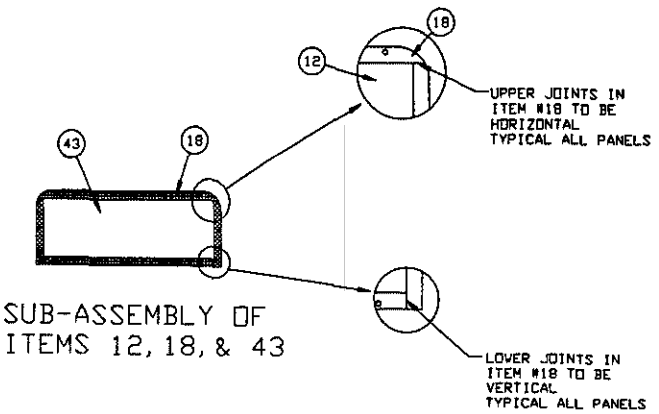
BI115389



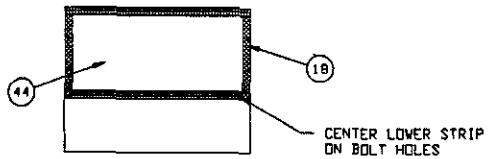
VIEW M–M



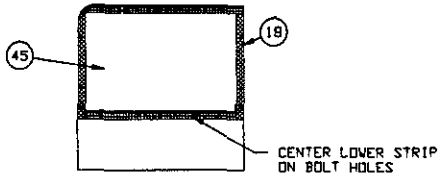
VIEW K–K



SUB-ASSEMBLY OF
ITEMS 12, 18, & 43



SUB-ASSEMBLY OF
ITEMS 13, 18, & 44



SUB-ASSEMBLY OF
ITEMS 14, 18, & 45

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A85100

				CAB ASSEMBLY W/ROPS	
90589	4/98	RELEASE A85100A		T. L. DODEN	UNIT RIG
				J. ELLIS	4/27/98

SHEET 5 OF 5

A85100

BI115389

A85100B

	ITM		QTY	UM	COMPONENT	DESCRIPTION
	1		1		85023B	SHELL, CAB ROPS
S	2		1		*85081C*	DOOR ASSY-LH W/SLIDING WINDOW
S	3		1		*85081E*	DOOR ASSY-RH W/SLIDING WINDOW
	4		2		25825	STRIKER-DOOR
	5		286	IN	26690	GASKET, BULK, SLIP ON
S	6		1		*84181A*	WINDSHIELD, BENT
	7		223	IN	25808	WEATHERSTRIP BULK
S	8		1		*84572B*	GLASS, REAR
	9		92	IN	25808	WEATHERSTRIP BULK
	10		1		85026A	PANEL, ACCESS INSIDE
	11		1		85026B	PANEL, ACCESS INSIDE
	12	R	1		PANEL	PANEL, ACCESS CUSTOM FIT, NOT SOLD SEPARATELY
	13	R	1		PANEL	PANEL, ACCESS CUSTOM FIT, NOT SOLD SEPARATELY
	14	R	1		PANEL	PANEL, ACCESS CUSTOM FIT, NOT SOLD SEPARATELY
	15	R	1		PANEL	PANEL, ACCESS CUSTOM FIT, NOT SOLD SEPARATELY
	16		1		85028A	COVER, HEATER FILTER
	17		1		23602	LATCH-DOOR
	18		210	IN	1032440	GASKET 1/8 X 1 FOAM
	19		70	IN	56241	SEAL, BULB RUBBER
	20		2		85029A	COVER, SPEAKER HOLE
	21		2		85086A	RETAINER, STRIKER BOLT
	22		2		947358	VISOR
	23		1		85087A	MAT, FLOOR
	24		2		84594A	PLATE, TRIM FLOOR
	25		1		85085A	PANEL, ABS REAR
	26		1		85085B	PANEL, ABS TOP
	27		1		85085C	COVER, ABS L. H. A-POST
	28		1		85085E	COVER, ABS R. H. A-POST
	29		4		85085K	RING, ABS FINISH
	30		1		85085M	COVER, WIRES ABS
	31		1		84299S	UPHOLSTERY, LH FRT
	32		1		84299T	UPHOLSTERY, RH FRT
	33		6	FT	84429A	TRIM, VINYL W/FOAM
	35		1		85083A	INSULATION, ROOF
	36		1		85083B	INSULATION, ROOF
	37		1		85083C	INSULATION, ROOF
	38		1		85083E	INSULATION, BACK
	39		1		85083F	INSULATION, BACK
	40		1		85083G	INSULATION, BACK
	41		1		85083H	INSULATION, BACK
	42		1		85083J	INSULATION, ROOF
	43		1		85084A	INSULATION, ACCESS PNL
	44		1		85084B	INSULATION, ACCESS PNL
	45		1		85084C	INSULATION, ACCESS PNL
	46		1		85084E	INSULATION, R. H. FRT

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DR. DODEN
ENG. APP. NIELSEN
REL. CK. ELLIS
43
94015
91203
E.N. NO.

*SEE SERVICE PARTS

TEREX MINING

CAB, ROBS W/ABS PNLS

A85100B

A85100B

ITM	QTY	UM	COMPONENT	DESCRIPTION
47	1		85084F	INSULATION, R. H. FRT
48	1		85084G	INSULATION, FIREWALL
49	1		85084H	INSULATION, FIREWALL
50	1		85084J	INSULATION, FIREWALL
51	1		85084K	INSULATION, FIREWALL
52	1		85084M	INSULATION, FIREWALL
53	1		85084N	INSULATION, FRONT
54	1		85084P	INSULATION, L. H. FRT
55	1		85084S	INSULATION, FIREWALL
56	1		85084T	INSULATION, L. H. FRT
57	1		85084U	INSULATION, AIR DUCT
58	1		85084V	INSULATION, AIR DUCT
59	1		85084W	INSULATION, AIR DUCT
60	86		55863	NUT, INSERT, 1/4-20UNC REQUIRES 25/64 DIA HOLE
61	24		55865	NUT-INSERT, 5/16-18UNC
62	6		22603	NUT-INSERT, 6-32UNC
63	4		56107	LOOP, DOORMAN
64	2		85088A	STRAP, DOOR STOP
65	16		10649	CAPSCR, HX, 5/16-18NC, ZP X 3/4 GR 5
66	16		10163	WASHER, FL, 5/16, ZP X .687 OD
67	36		26895	SCR, MACH, TRH, 1/4-20NC X 5/8 GR 2, PHL H
68	6		26151	SCREW, MACH, RHD, 6-32NC X 1/2 GR 2
69	11		52323	SCR, MACH, PNH, 1/4-20NC X 1/2 GR 2
70	27		52324	SCR, MACH, PNH, 1/4-20NC X 1 GR 2
71	21		10162	WASHER, FL, 1/4 X 0.625 OD
72	8		19593	SCR, MACH, FH, 1/4-20NC X 1 GR 2
73	4		15675	NUT-HX, CRNLK 1/4-20NC STD GR B
75	6		10001	CAPSCR, HX, 1/4-20NC X 3/4 GR 5
76	8		15675	NUT-HX, CRNLK 1/4-20NC STD GR B
80	1		52498	DOME LIGHT
81	1		947118	LAMP-DOME
83	3		56247	SCREW, SELF-DRILLING #8-18 X 1/2 PHIL, PAN HD, #3 POINT ZINC
84	8	FT	24582	CABLE-18AWG
85	1		20691	TERMINAL-BUTT SPLICE 22-16 AWG
99 R	1		A85100	DWG ONLY, ROPS CAB

W/SLIDING WINDOWS
IN BOTH DOORS.

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DR. DODEN
ENG. APP.
REL. CK.

94043
94015
91203
E.N. NO.

TEREX MINING

CAB, ROBS W/ABS PLUS

SHEET 2 OF 2

A85100B

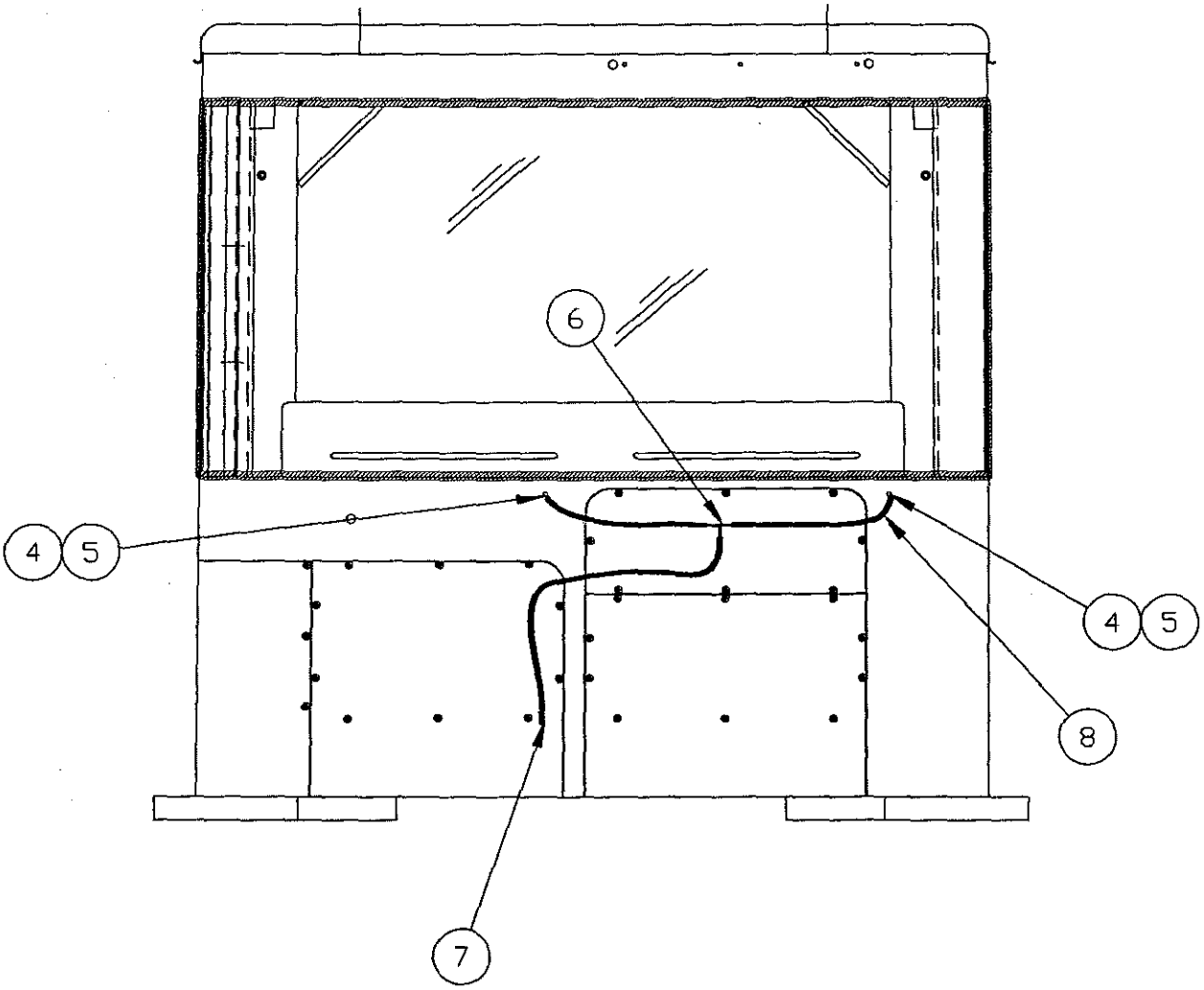
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DR. T. DODEN

ENG. APP. NIELSEN

REL. CK. J. ELLIS



IN BULKHEAD

91128

90651
E.N. NO.

UNIT RIG CAD

WINDSHIELD WASHER ASSEMBLY

SHEET 1 OF 2

A85115

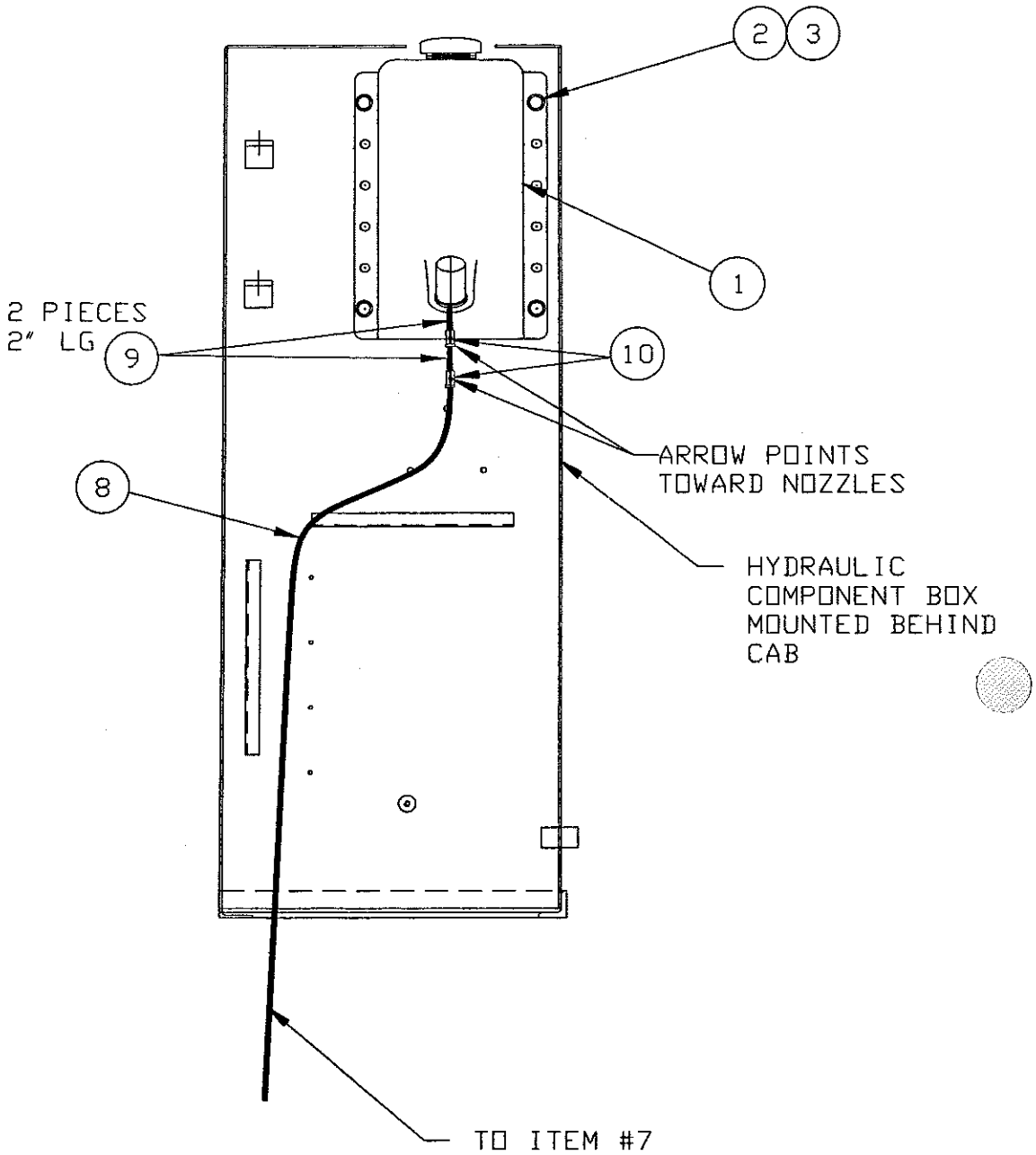
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DR. T. DODEN

ENG. APP.

REL. CK.



91128

90651

E.N. NO.

UNIT RIG CAD ™

WINDSHIELD WASHER ASSEMBLY

SHEET 2 OF 2

A85115

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		53345	KIT-WASHER BOTTLE
2	4		16732	CAPSCREW, HX, 5/16-18NC X 5/8 GR 5
3	4		10179	WASHER, LK, HELI, 5/16 X .586 OD
4	2		56270	NOZZLE, W/S WASHER
5	2		10126	NUT, HX, 3/8-16NC STL GR 5
6	1		56271	TEE, W/W HOSE 3/16
7	1		56272	FITTING, 90 DEG BLKHD
8	200	IN	25813	HOSE BULK 5/32 I.D.
9	4	IN	25813	HOSE BULK 5/32 I.D.
10	2		56370	VALVE, CHECK 3/16
99 R	1		A85115	DWG ONLY, WNDSHLD WSHR

INCLUDES:
2 NOZZLES MTD BELOW WINDSHIELD
6 QUART BOTTLE MTD IN HYD. COMP. BOX.
ACTUATED BY WIPER SWITCH

A85115A

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DR. T. DODEN
ENG. APP. WFR
REL. CK. ELLIS

91128
90651
E.N. NO.

TEREX MINING

WINDSHIELD WASHER ASSY

SHEET 1 OF 1

A85115A

E.N. NO.	DR.	ENG. APP.	REL. CK.
90827	MASSIE	SLF	ELLIS
90944			
92891			

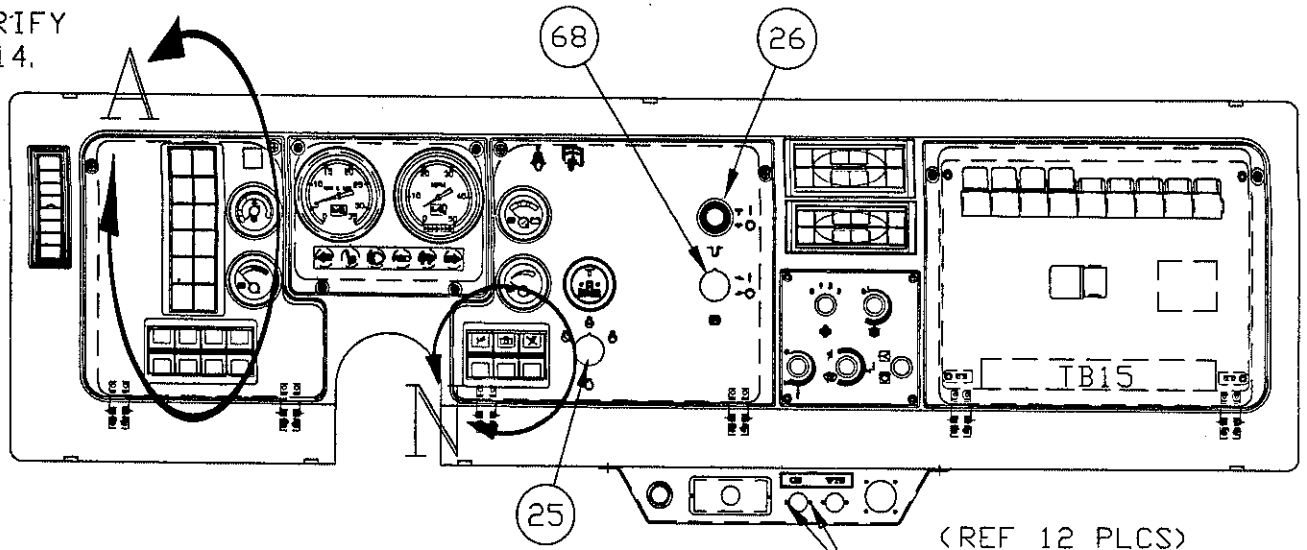
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ALVERT

A85142

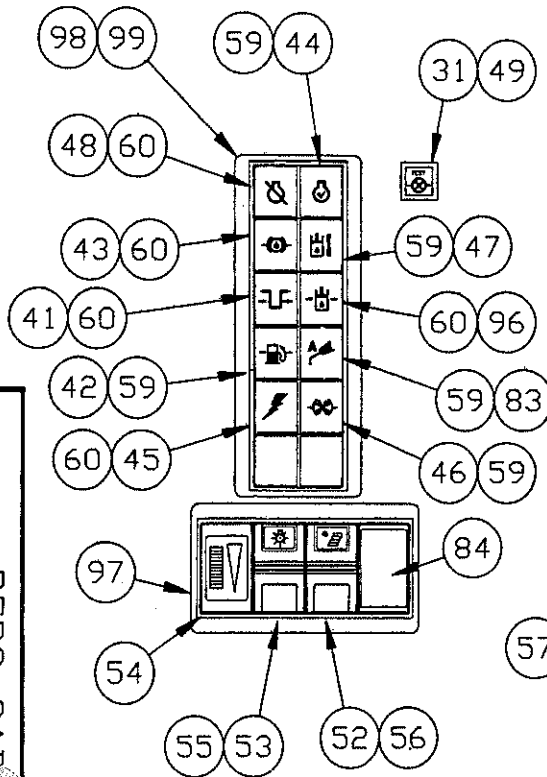
NOTE 1: SEE SCHEMATIC TO VERIFY LOCATIONS OF ITEM #14.

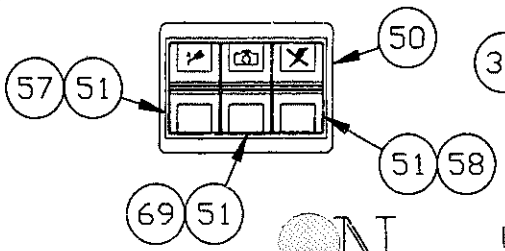
NOTE 2: LABEL ALL TERMINAL BOARDS, GROUNDS, CIRCUIT BREAKERS, RELAYS, AND OTHER APPLICABLE DEVICES TO FACILITATE TROUBLE SHOOTING.

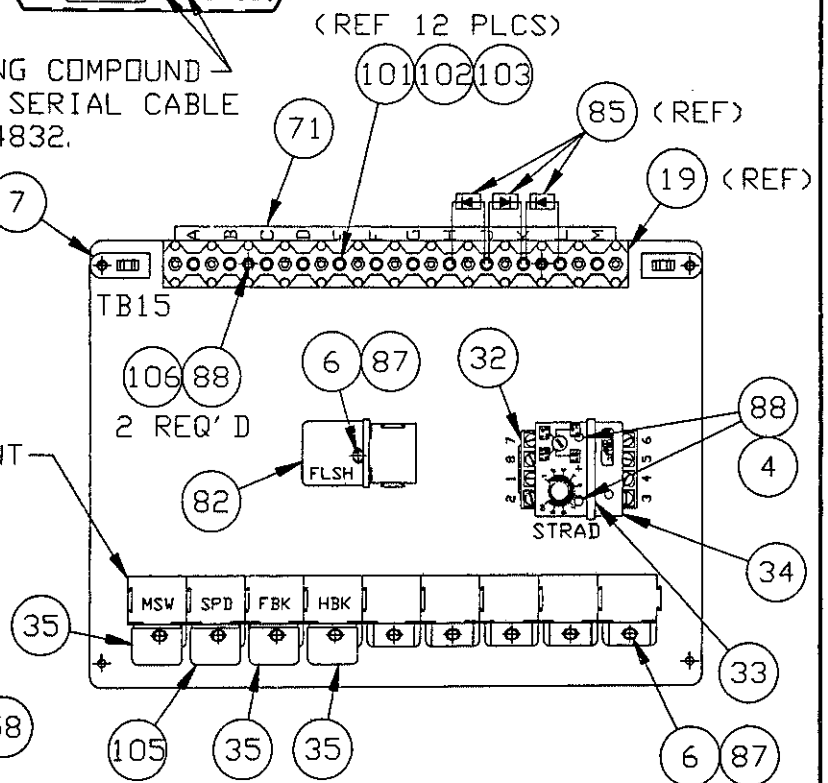


APPLY THREAD LOCKING COMPOUND (P/N 25764) TO THE SERIAL CABLE JACK SCREWS PER T-4832.

(REF 12 PLCS)
101 102 103







UNIT RIG CAD

ROPS CAB ELECTRICAL

SHEET 1 OF 5

A85142

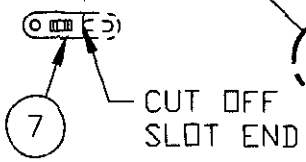
BI115389

E.N. NO.	DR.	REL. CK.	ENG. APP.
90827	MASSIE		
90944			
91			

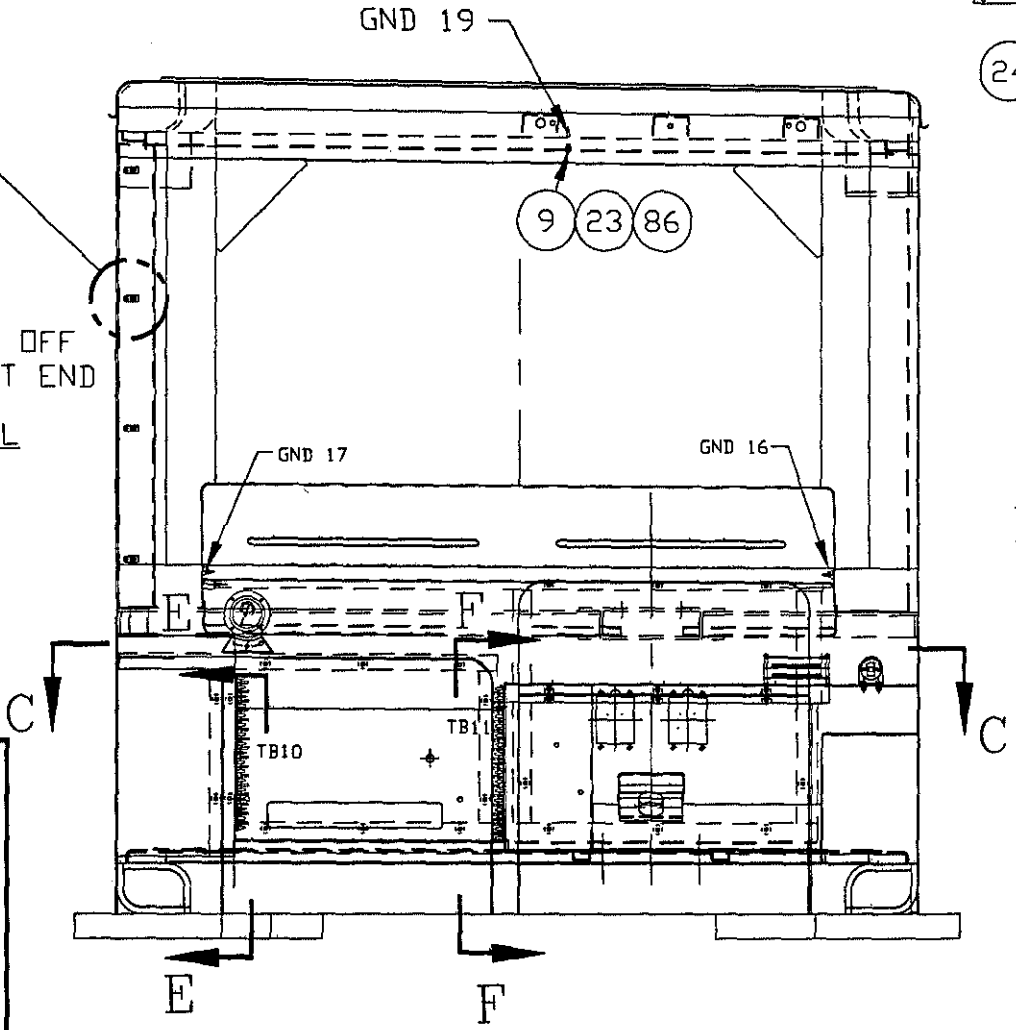
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AIVERT A85142

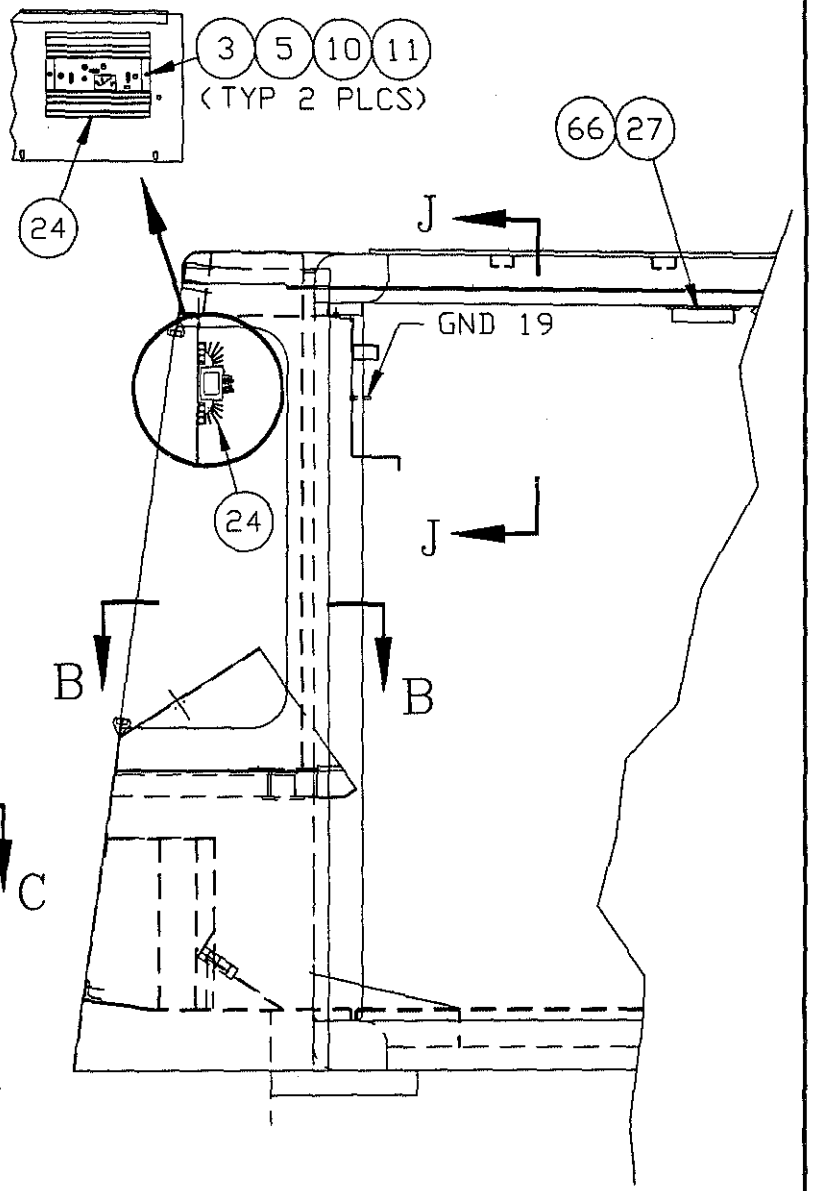
TRIM 4 TIE PLATES PER DETAIL, CENTER WITH OVERHEAD ACCESS HOLE ALONG FACE OF POST, AND GLUE IN APPROX WHERE SHOWN.



TRIM DETAIL



FRONT VIEW OF CAB



PARTIAL SIDE VIEW OF CAB

UNIT RIG CAD

ROPS CAB ELECTRICAL

SHEET 2 OF 5

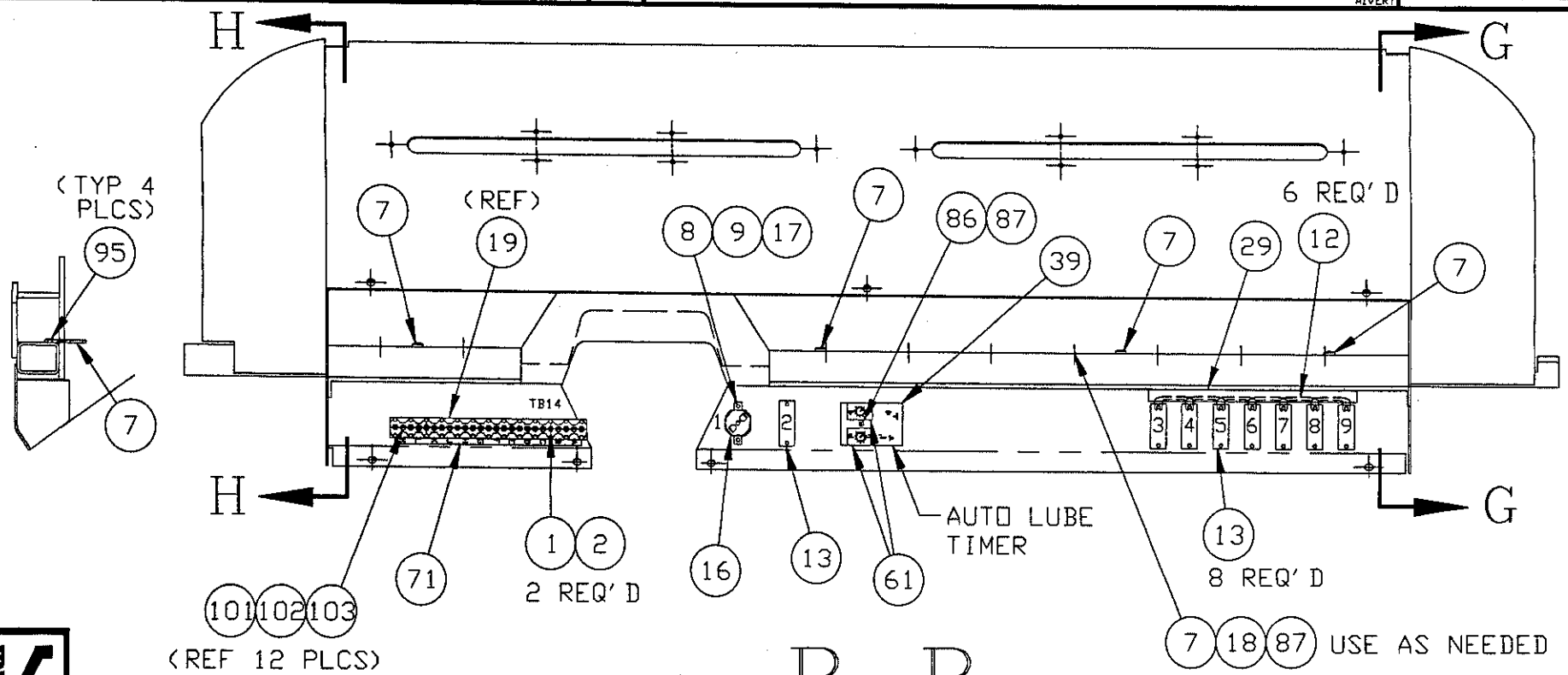
A85142

BI115389

E.N. NO.	90827	90944	92891					REL. CK.	ENG. APP.	DR. MASSIE

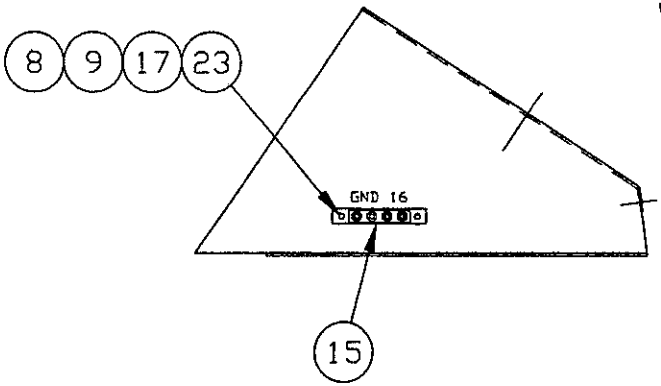
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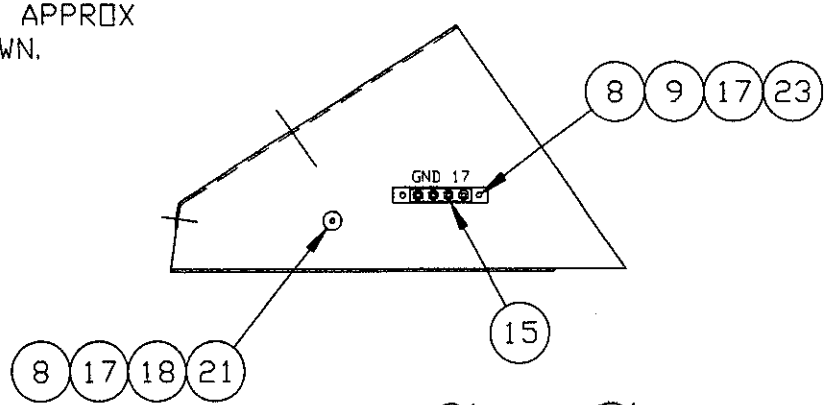


VIEW B—B

LOCATE ITEM 7 APPROX WHERE SHOWN.



SEC H—H



SEC G—G

CAD UNIT RIG

ROPS CAB ELECTRICAL

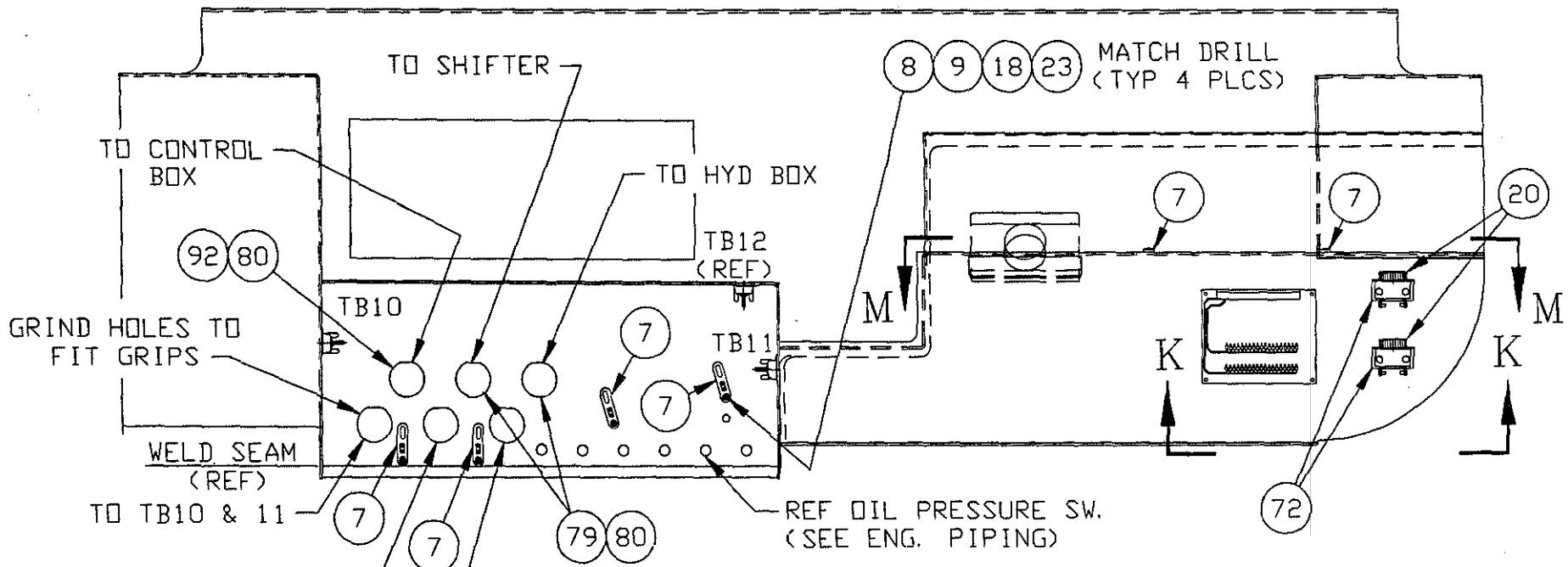
SHEET 3 OF 5

A85142

BI115389

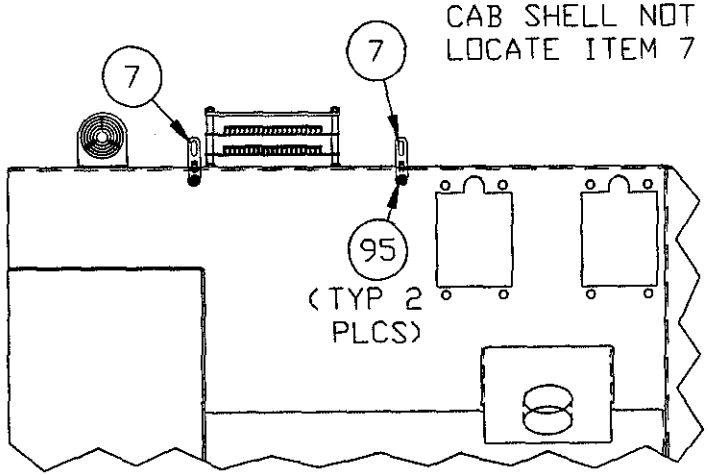
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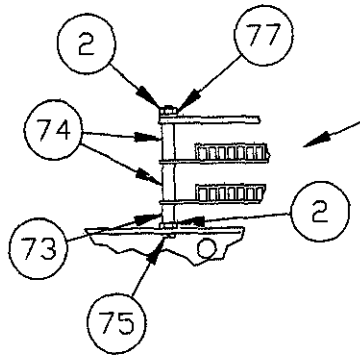


VIEW C—C

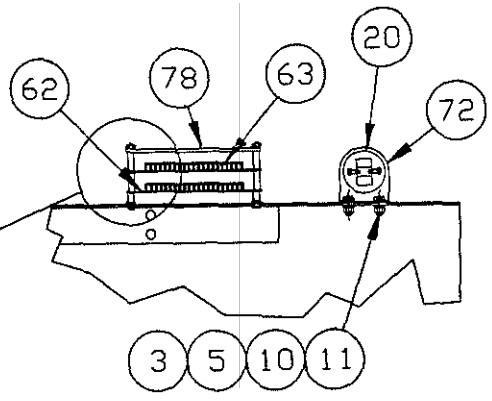
CAB SHELL NOT SHOWN FOR CLARITY
LOCATE ITEM 7 APPROX WHERE SHOWN.



VIEW M—M



DIODE PANEL MOUNTING
TYP 4 PLACES



VIEW K—K

UNIT RIG CAD

ROPS CAB ELECTRICAL

SHEET 4 OF 5

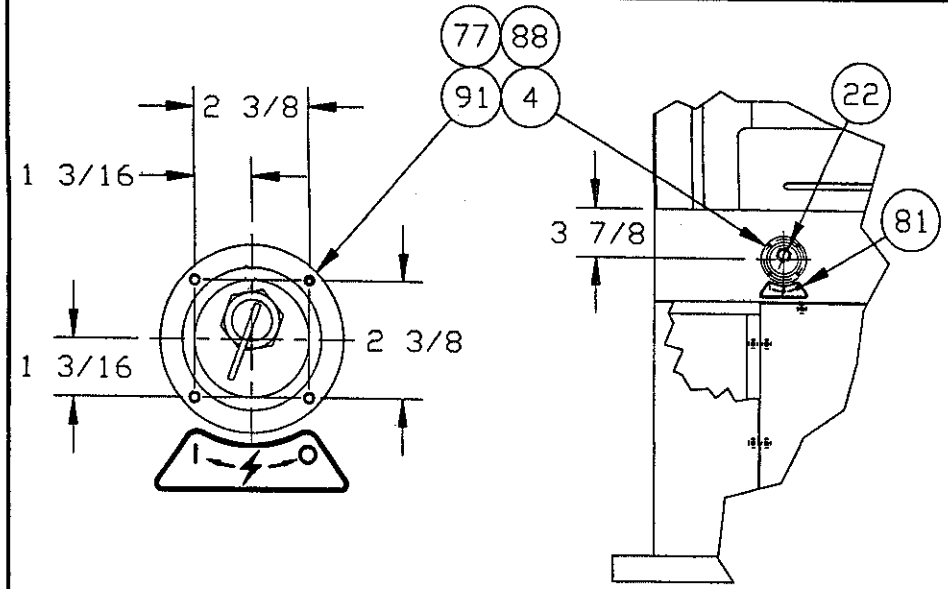
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BI115389

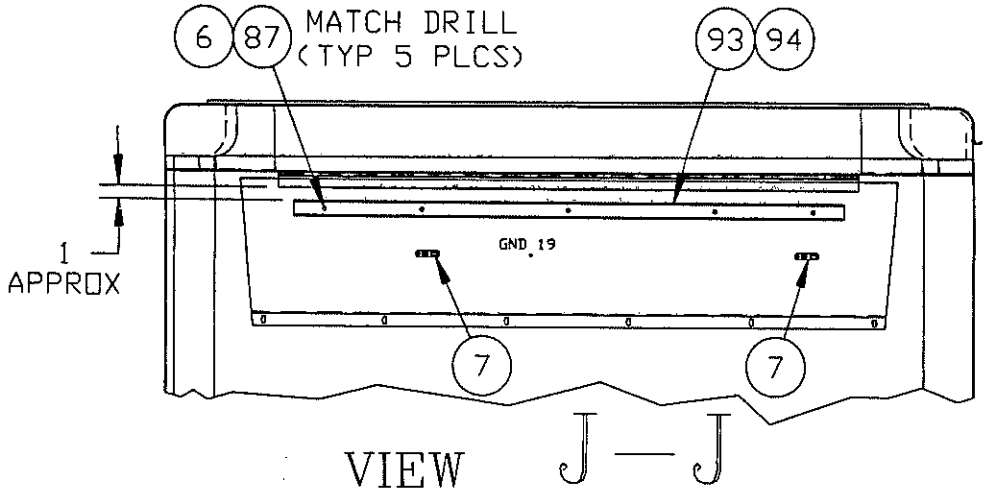
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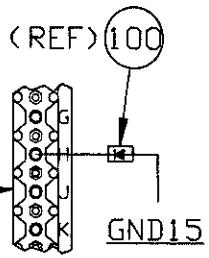


RIGHT FRONT OF CAB
MASTER SWITCH LOCATION

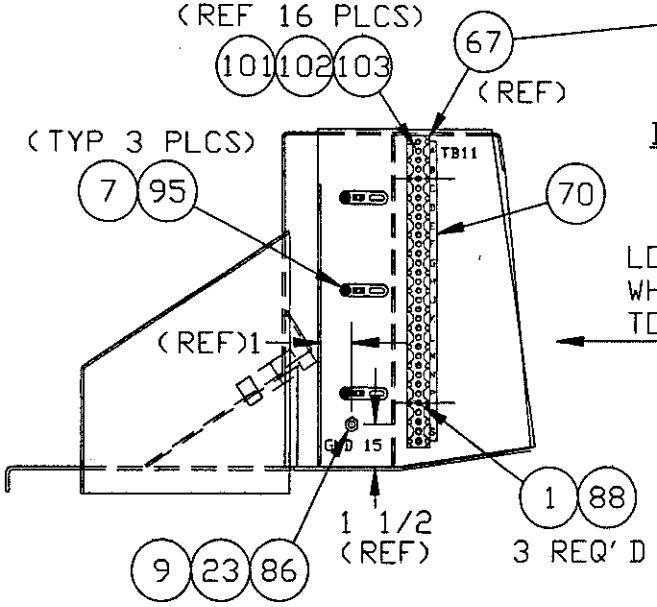


VIEW J — J

LOCATE ITEM 7 APPROX WHERE SHOWN AND GLUE IN POSITION

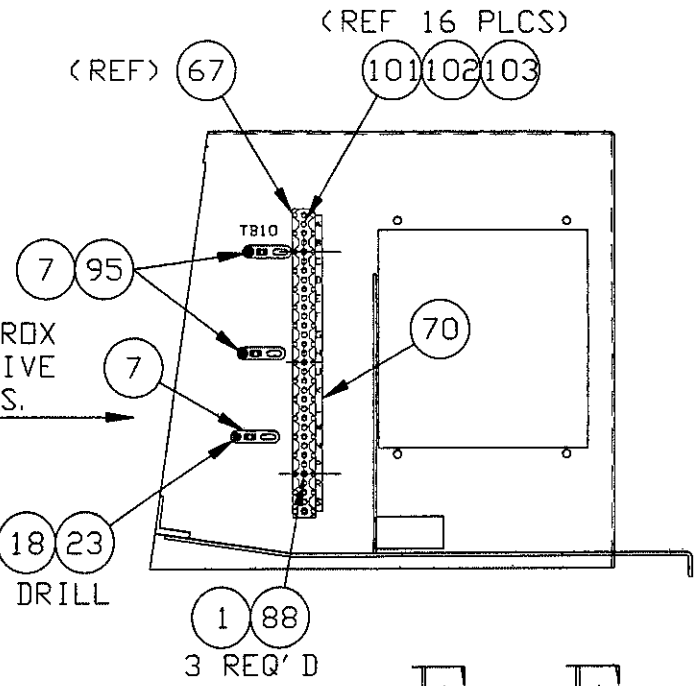


DIODE LOCATION



SEC F — F

LOCATE ITEM 7 APPROX WHERE SHOWN RELATIVE TO TERMINAL BOARDS.



SEC E — E

UNIT RIG CAD

ROPS CAB
ELECTRICAL

SHEET 5 OF 5
A85142

BI115389

A85142K

	ITM		QTY	UM	COMPONENT	DESCRIPTION
	1		8		25650	SCREW, MACH, RHD, 6-32NC X 5/8 GR 2
	2		18		10122	NUT-HEX(6-32 NC)
	3		6		10124	NUT-HEX 1/4NC 20NC STEEL GRADE #2
	4		8		15874	SCREW, MACH, RHD, 6-32NC X 1 GR 2
	5		6		10178	WASHER, LK, HELI, 1/4 X .489 OD
	6		9		21968	SCREW-MACH, PNH, 10-32NF X 1/4 GR 2
	7		24		16999	PLATE-TIE, PANDUIT
	8		8		22048	WASHER, FL#10 (SAE) X .437 OD
	9		14		12867	NUT-HEX, 10-32
	10		10		10162	WASHER, FL, 1/4 X 0.625 OD
	11		4		52322	SCR, MACH, PNH, 1/4-20NC X 3/4 GR 2
	12		6		18352	JUMPER ELECTRIC
	13		8		19085	CIRCUIT BREAKER, 25A
	14	R	10		56275	JUMPER, TERMINAL BOARD
	15		2		19395	BUS TERMINAL
	16		1		20167	BREAKER-CIRCUIT
	17		2		20926	SCREW-SLOT HEX HD 10-32 X 3/4 X 3/4 GR 2
	18		6		17547	SCREW, MACH, RHD, 10-32NF X 1/2 GR 2
	19	R	2		24121	TERMINAL STRIP
	20		2		25662	ALARM ELEC WARNING
	21		1		22883	STANDOFF CERAMIC
S	22		1	*	27647*	SWITCH-LOCKING DPST
	23		8		28537	LOCK WASHER-HELI, #10 X .334 OD
	24		1		83276B	CONVERTER, 24V-12V, 25A
S	25		1	*	56265 *	SWITCH, LEVER
	26	R	1		NOT-USED	PART NOT USED
	27	R	1		52498	DOME LIGHT
	29		11	IN	25769	MOULDING BULK WELT COLOR = BLACK
	31		1		53448	SWITCH - PUSHBUTTON
	32		1		53469	SOCKET, 8-PIN RELAY
	33		3		26887	TIE STRIP STD DUTY, 3/16-1 7/8 BUNDLE
	34		1		56567	RELAY, ELECTRONIC TIMING
	35		3		53898	RELAY-SPDT 24V
	39		1		57201	TIME DELAY RELAY

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REL. CK. ELLIS

94488
E.N. NO.

*SEE SERVICE PARTS

TEREX MINING

CAB ELECTRICAL ASSY

A85142K

ITM	QTY	UM	COMPONENT	DESCRIPTION
41	1		83261F	CARD-INDICATOR LOW STEERING PRESSURE
42	1		83261H	CARD-INDICATOR FUEL LEVEL
43	1		83261N	CARD-INDICATOR BRAKE OIL PRESSURE
44	1		83261Y	CARD-INDICATOR CHECK ENGINE
45	1		83262B	CARD-INDICATOR ELECTRICAL SYSTEM FAULT
46	1		83262E	CARD-INDICATOR BLOWER PRESSURE
47	1		83262G	CARD-INDICATOR HYDRAULIC OIL TEMPERATURE
48	1		83262K	CARD-INDICATOR STOP ENGINE
49	1		83263A	CARD-INT'L SYM, PTT FOR 53448 PRESS TO TEST SWITCH
50	1		83337B	BEZEL-SW/IND(DWG A-F) FOR 3-SWITCHES OR 6-INDICATORS
51	3		83338B	SW-INT'L SYM(DWG A-K) ROCKER SWITCH-MOM ON/ OFF/SPST
52	1		83338C	SW-INT'L SYM(DWG A-K) ROCKER SWITCH-ON/ON /SPST
53	1		83338J	SW-INT'L SYM(DWG A-K) ROCKER SWITCH-ON1/ON2 /HOT PARK/SPDT
54	1		83338K	SW-INT'L SYM(DWG A-K) RHEOSTAT FOR PANEL DIM
55	1		83339C	LENS-RKR SW(DWG A-B) HEAD/TAIL/STOP LIGHT
56	1		83339G	LENS-RKR SW(DWG A-Z) STAIRWAY LIGHT
57	1		83339K	LENS-RKR SW(DWG A-Z) AUTOMATIC LUBE AUTOMATIC LUBE
58	1		83339S	LENS,RKR SW (DWG A-Z) ELECTRICAL SYSTEM RESET
S 59	5	*	83340A	LIGHT-IND (83340A-Z) WITH AMBER FILTER

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A85142K

	ITM	QTY	UM	COMPONENT	DESCRIPTION
S	60	5		*83340B*	LIGHT-IND (83340A-Z) WITH RED FILTER
	61 R	1		NOT-USED	PART NOT USED
	62	1		83545A	DIODE PANEL-LOW SIDE USE FOR R.O.P.S. CAB
	63	1		83545B	DIODE PANEL-HIGH SIDE USE FOR R.O.P.S. CAB
	66 R	1		947118	LAMP-DOME
	67 R	2		28309	BOARD TERMINAL
S	68	1		*57034*	SWITCH-SELECTOR, LIGHTED
	69	1		83339T	LENS-RKR SW(DWG A-Z) DATA STORE
	70	2		28310	MARKER TERMINAL A-S
	71	2		24717	MARKER TERMINAL A-M
	72	2		70321A	BRACKET, ALARM
	73	4		69044B	SPACER, PANEL-3/8" LG(#6 SCREW)
	74	8		69044F	SPACER, PANEL-3/4" LG(#6 SCREW)
	75	4		24641	SCREW, MACH, RHD, 6-32NC X 2-1/2 GR 2
	77	8		22068	WSHR, FL, #6 X .375OD X .375 OD
	78	1		77214C	COVER, WARNING PANEL
	79	2		16820	GRIP, SEAL 1-1/4NPT 3/4 - 7/8 DIA CABLE
	80	3		16821	LOCKNUT CONDUIT 1-1/4"
	81	1		55980	NAMEPLATE, MASTER SW.
	82	1		55697	FLASHER, SIGNAL
	83	1		83262P	CARD-INDICATOR AUTO LUBE
	84	1		83342A	INSERT-BEZEL PLUG FOR 83337A-F BEZELS
	85 R	3		1102852	DIODE ASSEMBLY
	86	3		17809	SCR, MACH, RHD, 10-32NF X 1-1/4 GR 2
	87	19		22604	NUT, INSERT, #10-32UNF
	88	14		22603	NUT-INSERT, 6-32UNC
	91	1		55482	MOUNT, VIBRATION
	92	1		56205	GRIP-SEAL 1-1/4NPT 1-1/8 - 1-1/4 DIA CABLE
	93	45	IN	19147	CHANNEL WIRING 1" X 2"
	94	45	IN	19148	COVER CHANNEL 1" WIDE
	95	11		56247	SCREW, SELF-DRILLING #8-18 X 1/2 PHIL, PAN HD, #3 POINT ZINC

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CAB ELECTRICAL ASSY

A85142K

ITM	QTY	UM	COMPONENT	DESCRIPTION
96	1		83262S	CARD-INDICATOR HYDRAULIC OIL LEVEL
97	1		83337C	BEZEL-SW/IND(DWG A-F) FOR 4-SWITCHES OR 8-INDICATORS
98	1		83337F	BEZEL-SW/IND(DWG A-F) FOR 6-SWITCHES OR 12-INDICATORS
99	6		83342B	INSERT-BEZEL FOR MTG 2-INDICATOR INTO 83337A-F BEZELS
100	1		25487	DIODE-SILICON 3 AMP CAPACITY
101 R	56		22048	WASHER, FL#10 (SAE) X .437 OD
102 R	56		12867	NUT-HEX, 10-32
103 R	56		28537	LOCK WASHER-HELI, #10 X .334 OD
105	1		53898	RELAY-SPDT 24V
106	2		26151	SCREW, MACH, RHD, 6-32NC X 1/2 GR 2
199 R	1		A85142	DWG ONLY, CAB ELECT

FOR CABS W/
MAINTAINED PBKO SW
AND NEW AL TMR.

ALVERT-TEREX

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CAB ELECTRICAL ASSY

A85142K

A85196

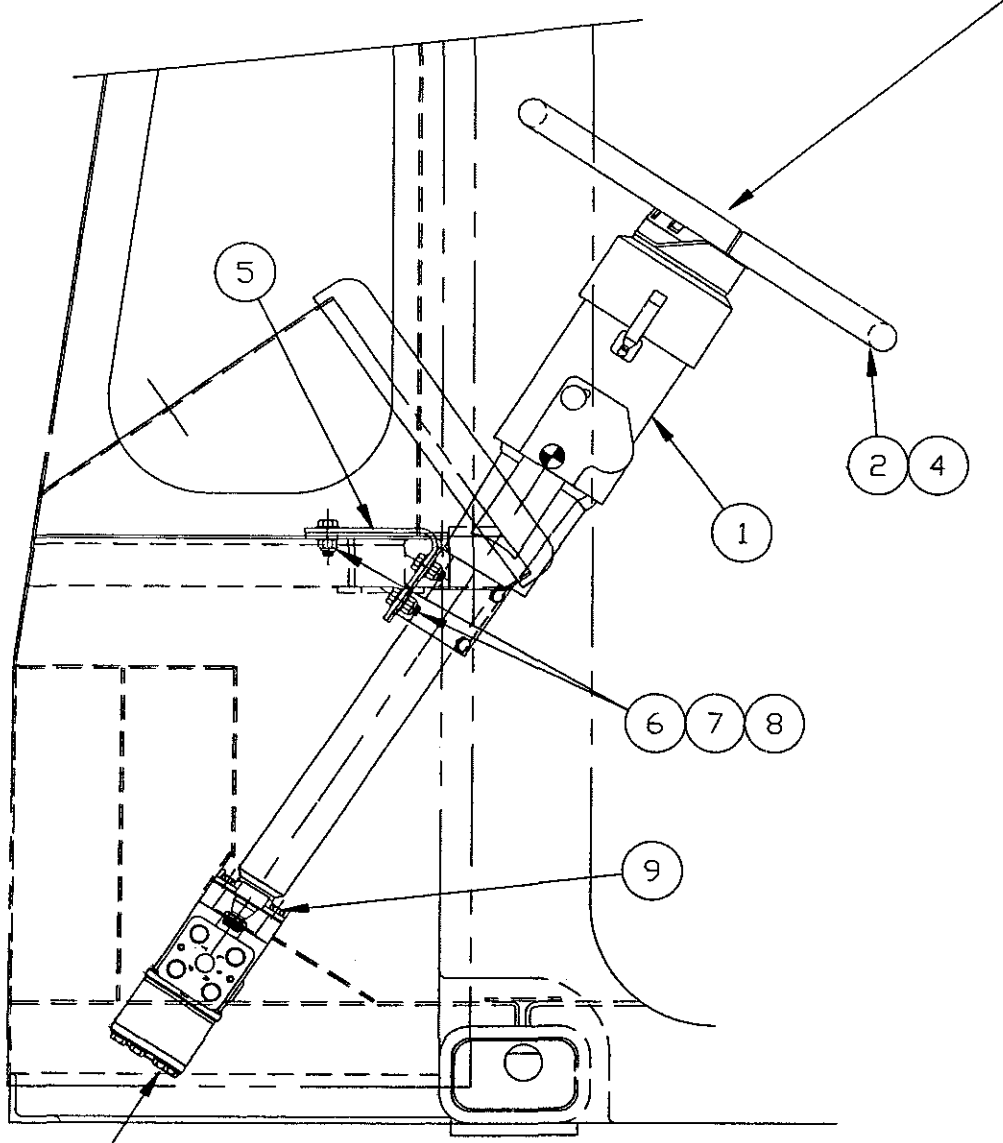
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T. DODEN

ENG. APP.

REL. CK.
ELLIS

TORQUE 7/8-20 NUT(PART OF ITEM #1) TO 65-75 FT-LBS. USE LOCKING COMPOUND, LOCTITE #271, WHEN INSTALLING. STAKE AFTER TORQUING.



STEERING HAND PUMP SEE STEERING SYSTEM FOR P/N AND ORIENTATION.

90977
E.N. NO.

DOUGLAS TILTING/TELESCOPING STEERING COLUMN FOR USE WITH DANFOSS OR CHAR-LYNN HAND PUMP.

UNIT RIG CAD

STEER COLUMN/WHEEL ASS

SHEET 1 OF 1

A85196

A85196B

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		* 83456B *	COLUMN, STEERING T/T
2	1		83457H	WHEEL, STEERING 16"
4	1		53728	BUTTON, HORN W/UR LOGO
5	1		83458A	BRACKET, STRG CLMN
6	6		11107	CAPSCREW, HX, 7/16-14NC X 1-1/4 GR 5
7	6		10165	WASHER, FL, 7/16 X .921 OD
8	6		18068	NUT-HEX, FLXLC 7/16-14
9	4		10015	CAPSCREW, HX, 3/8-16NC X 1-3/4 GR 5
10 R	1		A85196	DWG ONLY, STR CLMN/WHL

DOUGLAS COLUMN W/16"
STEERING WHEEL
MODEL 929 COLUMN

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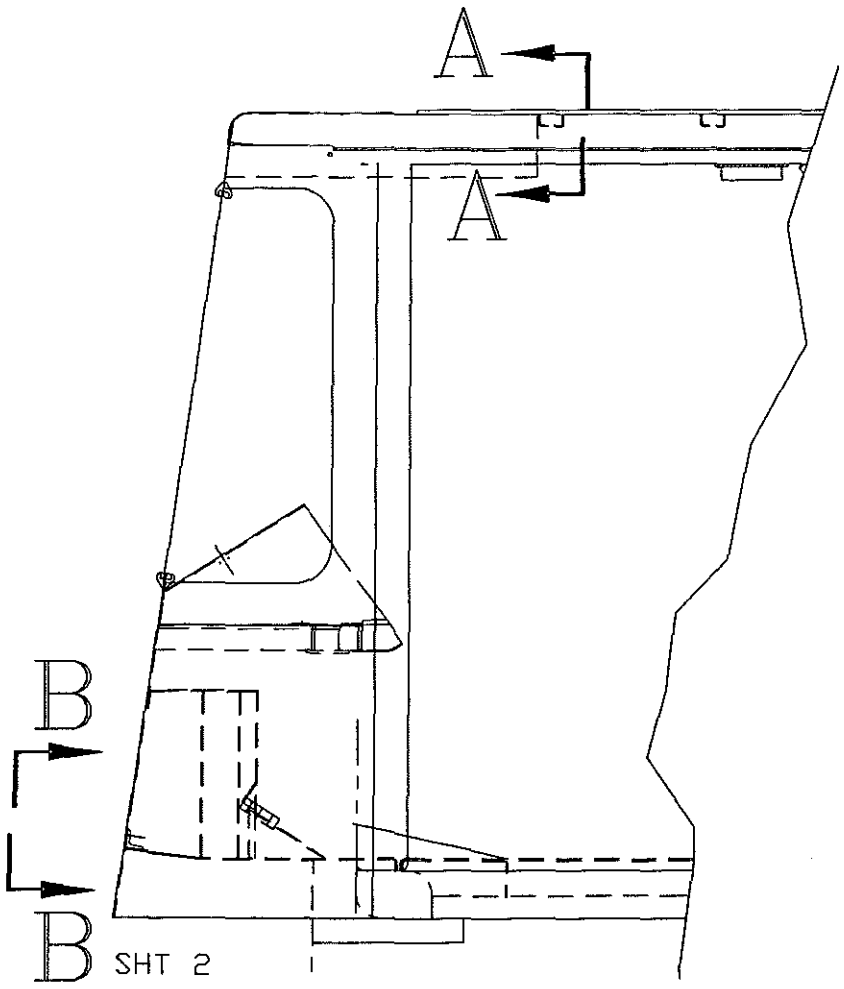
STEER COLUMN/WHEEL ASSY

SHEET 1 OF 1

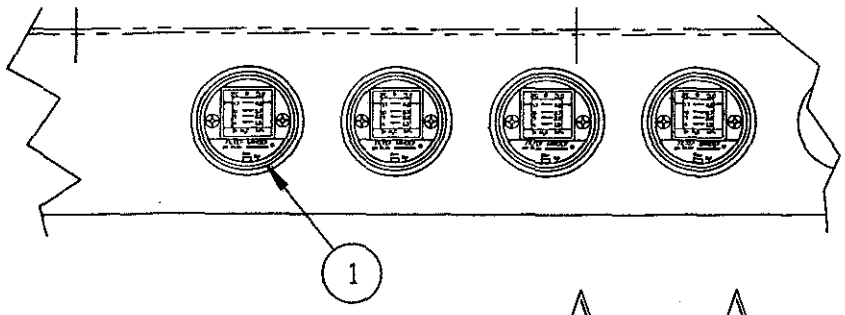
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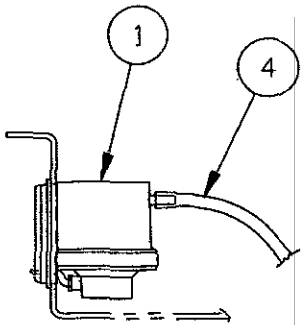
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PARTIAL SIDE VIEW OF CAB





VIEW A—A

IF FEWER THAN
4 GAUGES USED,
MOUNT IN LEFT
MOST POSITIONS

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ENG. APP. ROBINSON
REL. CK. J. ELLIS

91432
E.N. NO.

UNIT RIG CAD

RESTRICTION INDICATOR ASSEMBLY

SHEET 1 OF 2

A85412

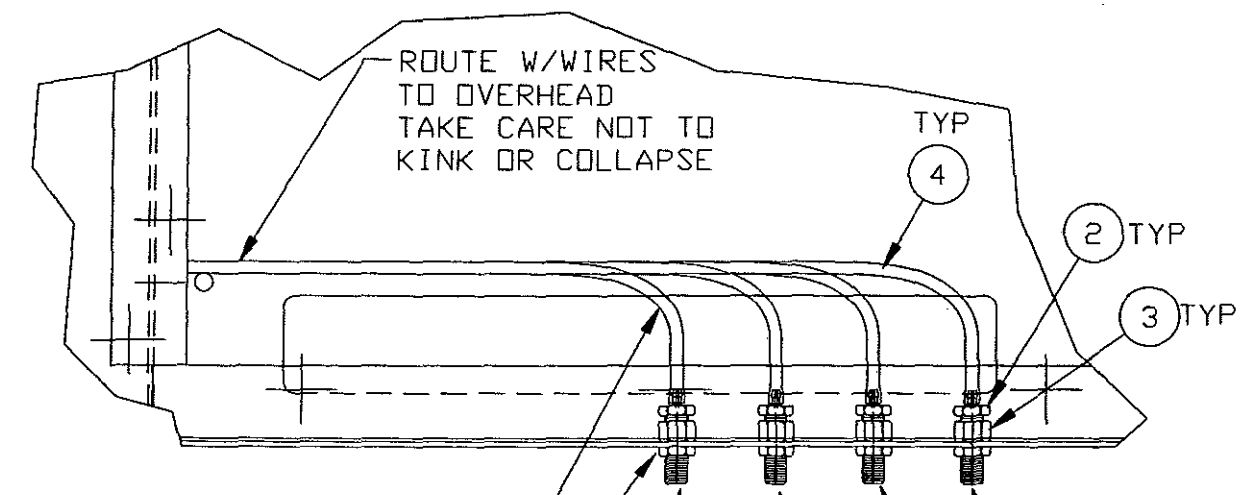
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ENG. APP.

REL. CK.



HOSE FROM THIS FITTING
TO FAR RIGHT GAUGE
PLUMB OTHER GAUGES
ACCORDINGLY.

RIGHT MOST 1/2 DIA HOLE

IF ONLY 2 GUAGES
USED, USE RIGHT
MOST BULKHEAD
POSITIONS, HOSE
FROM RIGHT AIR CLNR
TO RIGHT MOST FITTING.

CONNECT HOSE
FROM RIGHT REAR
AIR CLNR PIPE

CONNECT HOSE
FROM LEFT REAR
AIR CLNR PIPE

CONNECT HOSE
FROM LEFT FRONT
AIR CLNR PIPE

CONNECT HOSE
FROM RIGHT FRONT
AIR CLNR PIPE

VIEW B—B

RIGHT FRONT ACCESS OPENING

91432
E.N. NO.

UNIT RIG
CAD

RESTRICTION INDICATOR
ASSEMBLY

SHEET 2 OF 2

A85412

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	4		55296	RESTRICTION INDICATOR
2	4		56434	FITTING, BARBED
3	4		27586	ADAPTER, BULKHD STR #4 JIC, MALE X 1/8 NPTF, FEMALE
4	520	IN	25813	HOSE BULK 5/32 I. D.
10 R	1		A85412	DWG ONLY-REST. IND ENG

FOR 'DDC' ENGINE --
(4) INDICATORS
RED LINED 20"H2O

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A85412A

DR. DODEN
ENG. APP. WFR
REL. CK. ELLIS

92094
91432
E.N. NO.

TEREX MINING

INDICATOR, RESTRICTION

SHEET 1 OF 1

A85412A

A86319

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DR. T.DODEN

ENG. APP. ROBINSON

REL. CK. J. ELLIS

NOMINAL: ø5/16
MATCH DRILL PER
SUPPLIED ANTENNA

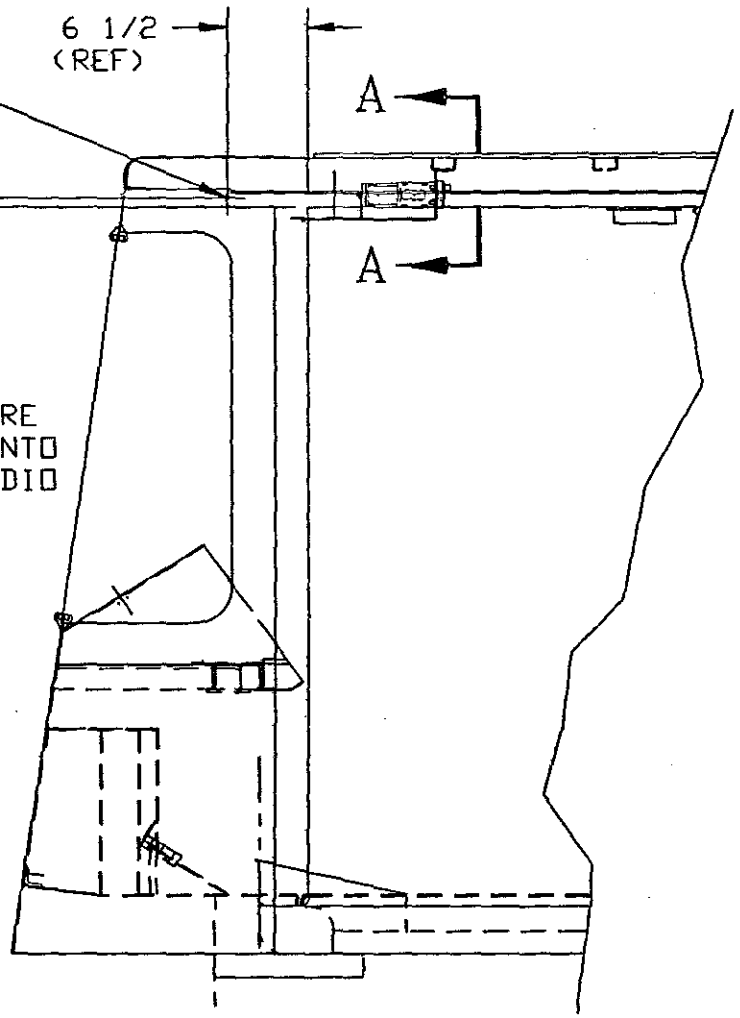
6 1/2
(REF)

3/4
(REF)

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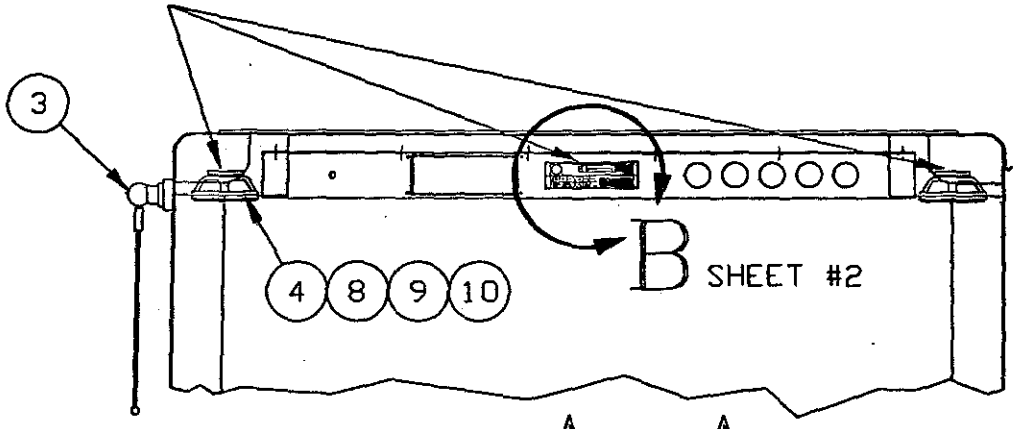
A

NOTE: RADIO MUST BE PROGRAMMED BEFORE PUTTING TRUCK INTO SERVICE. SEE RADIO INSTALLATION MANUAL.



PARTIAL SIDE VIEW OF CAB

MOUNT SPEAKERS AND STEREO IN EXISTING CUTOUTS. ENLARGE AS REQUIRED.



VIEW A—A

NOTE: WIRE PER OPTION SCHEMATIC.

TEREX
UNIT RIG

RADIO INSTALLATION

SHEET 1 OF 4

A86319

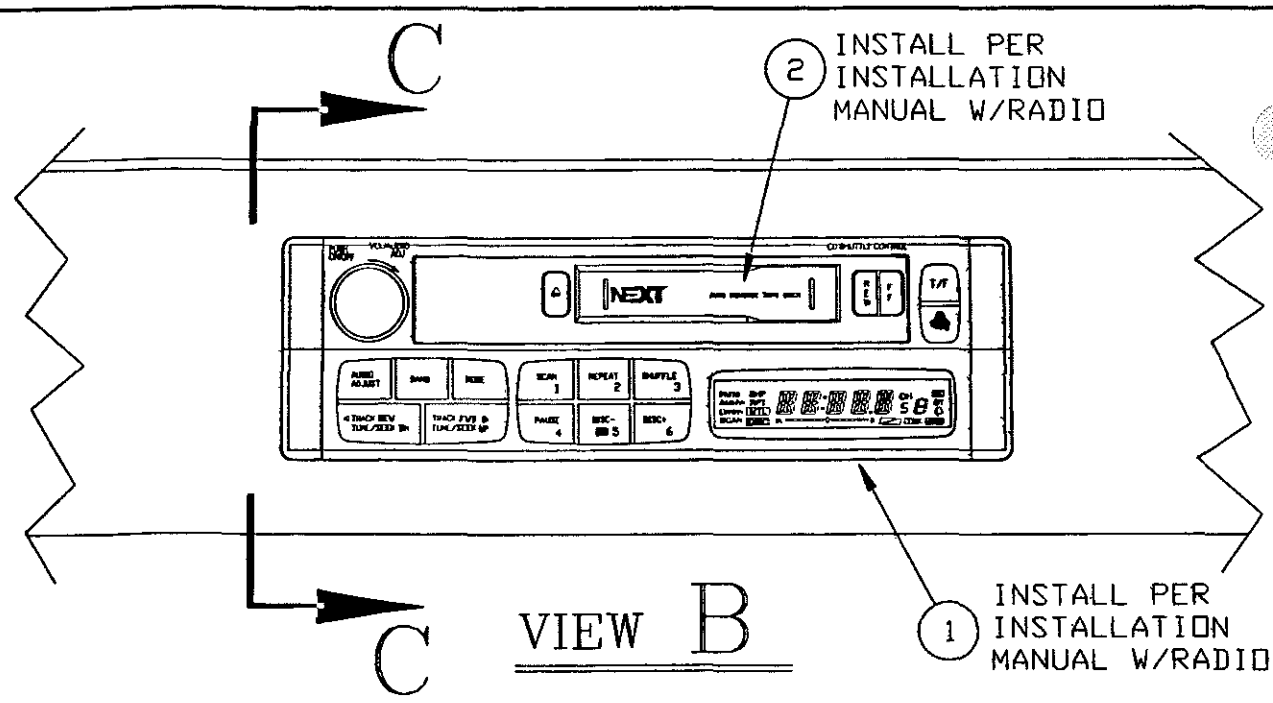
95016
E.N. NO.

A86319

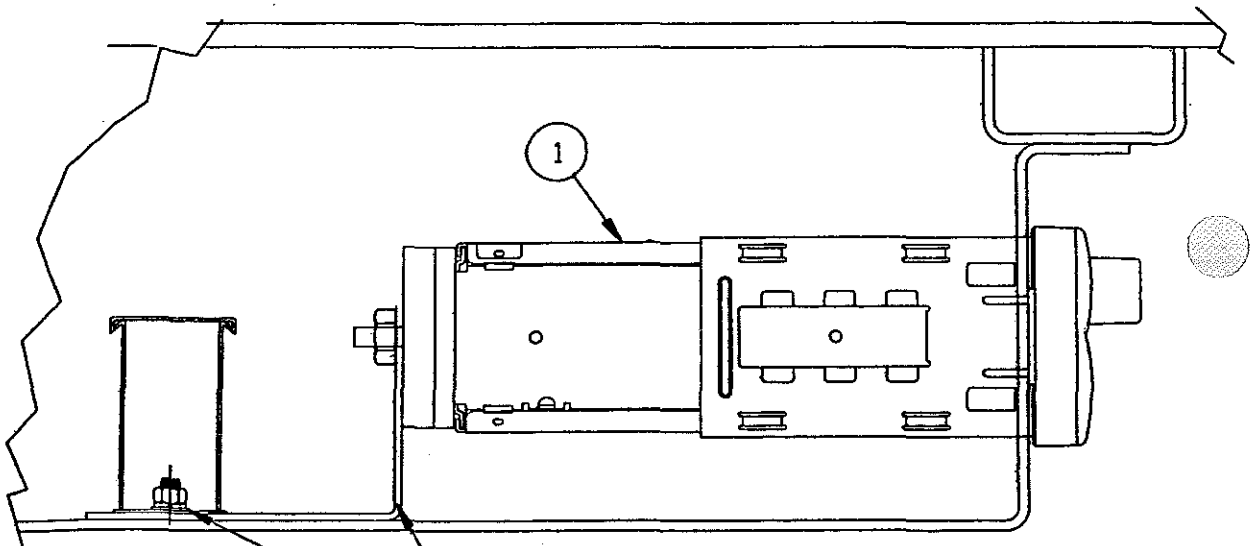
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REL. CK.

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VIEW B



BEND SUPPORT STRAP SUPPLIED WITH ITEM #1 TO SUPPORT REAR OF ITEM #1. ATTACH TO CAB OVERHEAD WITH NUT ATTACHING WIRING CHANNEL.

VIEW C—C

TEREX UNIT RIG

RADIO INSTALLATION

SHEET 2 OF 2

A86319

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		57163	RADIO-AM/FM CD
2	1		86320A	HARNESS, RADIO/INTERFACE
3	1		53620	ANTENNA-AM/FM RADIO
4	1		56348	SPEAKERS-PAIR, RADIO
8	8		15874	SCREW, MACH, RHD, 6-32NC X 1 GR 2
9	8		22068	WSHR, FL, #6 X .375OD X .375 OD
10	8		22603	NUT-INSERT, 6-32UNC
11	2		20707	TERMINAL-RING TONGUE #10 HOLE, 18 AWG
12	2		20632	TERMINAL-RING TONGUE 5/16 HOLE, 18 AWG
13	5		20691	TERMINAL-BUTT SPLICE 22-16 AWG
14	1		22755	TERMINAL-BUTT 16-14 AWG
20 R	1		A86319	DWG ONLY, RADIO INSTALLATION

AM/FM W/CD PLAYER
JENSEN HEAVY DUTY

A86319C

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REL. CK. DORROUGH

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UNIT RIG

RADIO INSTALL. AM/FM CD

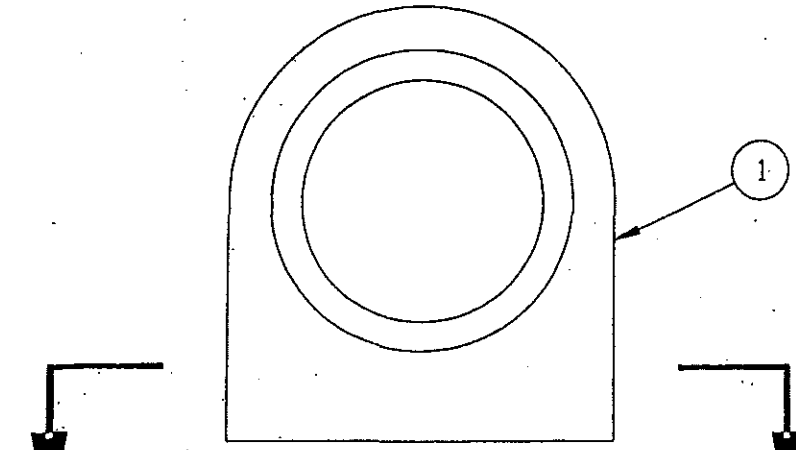
SHEET 1 OF 1

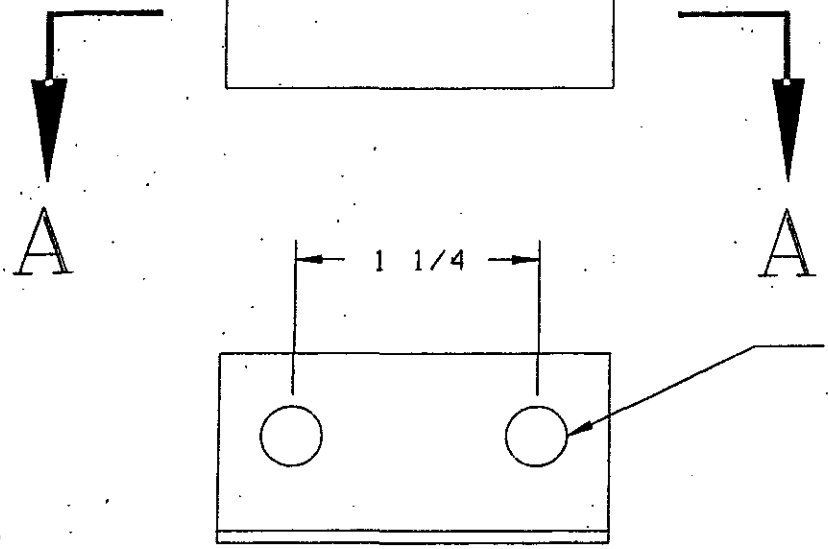
A86319C

SECTION 10 - OPTIONS

DESCRIPTION	ASSEMBLY
Alarm Assembly Installation	83991A
Control Unit Installation	A83987K
Display Unit Installation	A84233A
Load Light Assy	85499H
Pressure Transducer Assembly	A84726A
Transducer Assembly, Pressure	A84726A
Weigh System Alarm Assembly Installation	83991A
Weigh System Control Unit Installation	A83987K
Weigh System Display Unit Installation	A84233A
Weigh System Pressure Transducer Assembly	A84726A
Weigh System Program	86050A

ITM	QTY PER ASSY	COMPONENT	DESCRIPTION
001	1	82551B	ALARM ASSY





VIEW A—A

NOTE:
MOUNT ITEM 001 BEHIND WEIGH SYSTEM DISPLAY IN CAB OVERHEAD.

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83991A

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ENG. APP.

REL. CK.

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UNIT RIG CAD ™

ALARM ASSY INSTALLATION

SHEET 1 OF 1

83991A

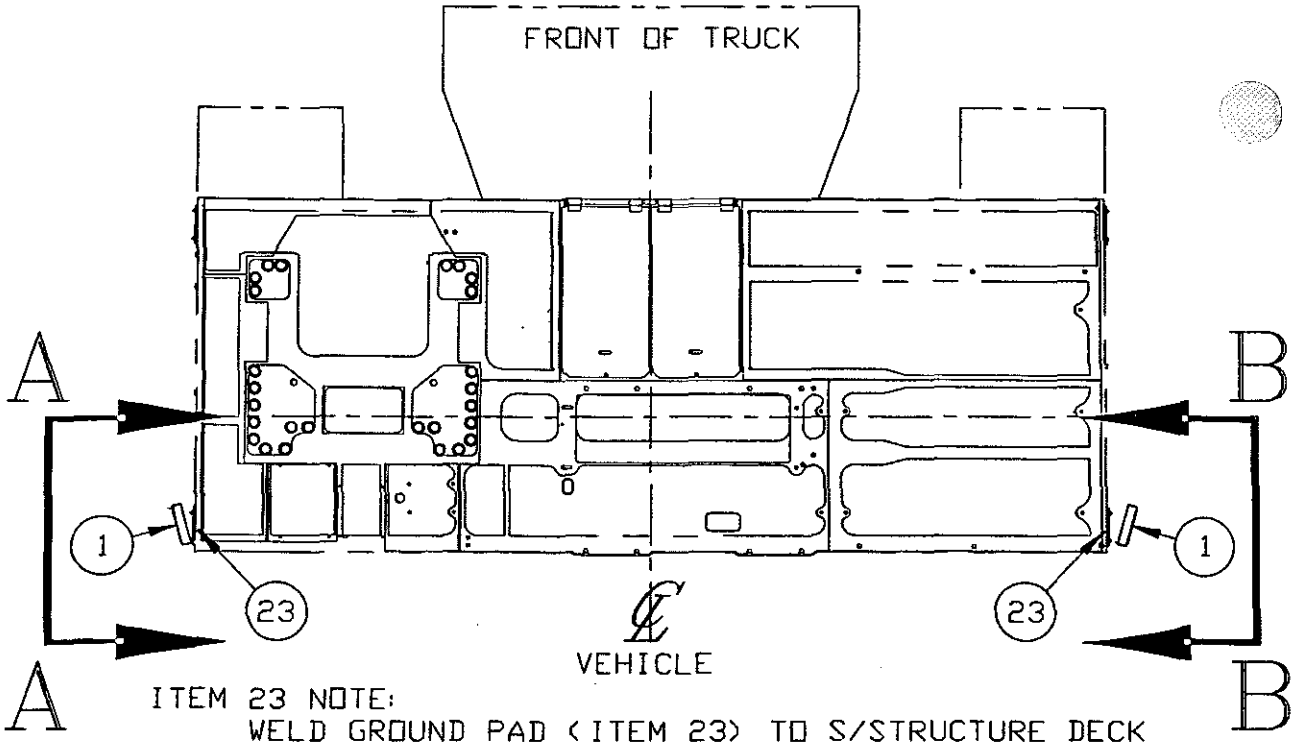
85499H

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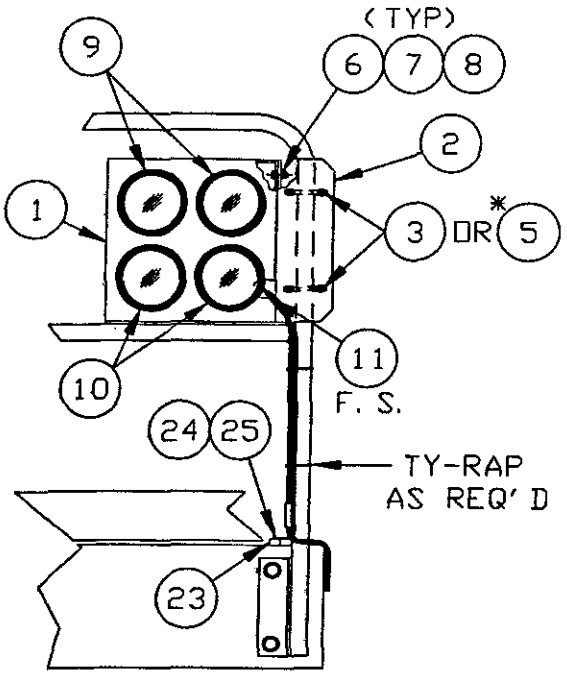
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REL. CK. ELLIS

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92600
E.N. NO.

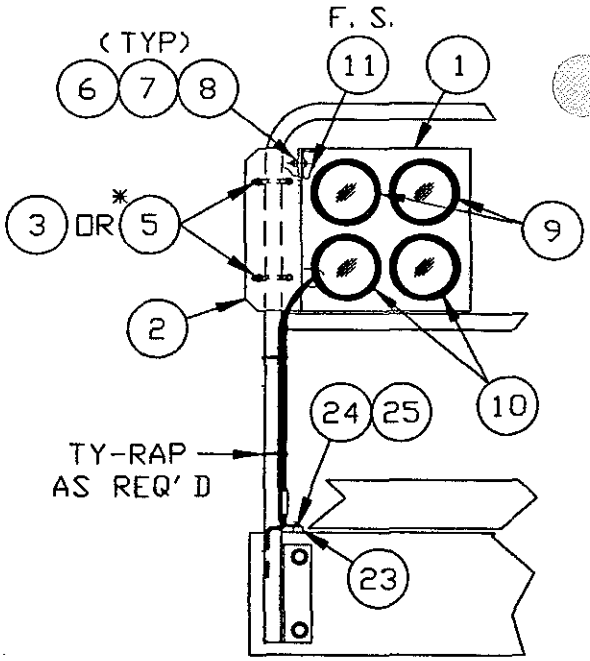


ITEM 23 NOTE:
WELD GROUND PAD (ITEM 23) TO S/STRUCTURE DECK PLATE. PAD SHOULD BE DIRECTLY BELOW LIGHT BOX (ITEM 1) AS PRACTICAL; WELD SIZE TO BE 1/16" FILLET MINIMUM. CLEAN SURFACE TO BARE METAL BEFORE WELDING.



VIEW A—A

SEE LT SIDE WIRE CONNECTIONS - SHT 2



VIEW B—B

SEE RT SIDE WIRE CONNECTIONS - SHT 2

* CLAMP (ITEM 5) USED IN PLACE OF CLAMP (ITEM 3) FOR LARGE DIAMETER HANDRAILS.

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LOAD LIGHT ASSEMBLY

SHEET 1 OF 2

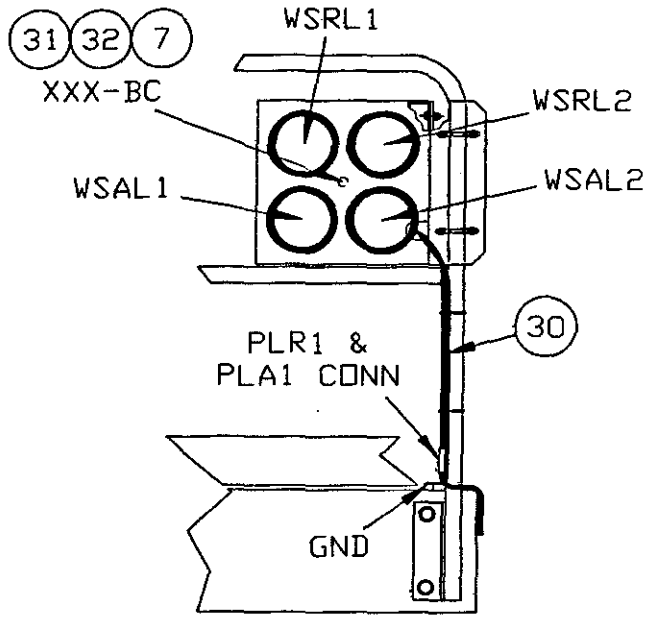
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85499H

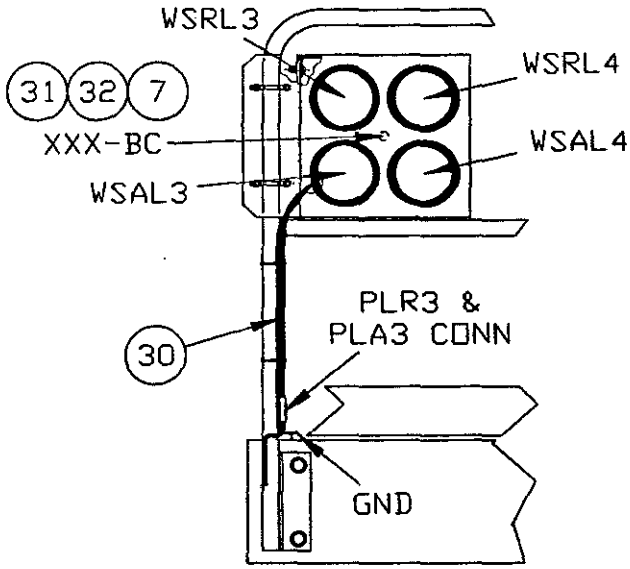
	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	2		84034A	BOX, LOAD LIGHTS
	2	2		84035A	MOUNT, LOAD LIGHT BOX
	3	4		1032029	CLAMP (DWG 1101553) 1-3/8 DIA
	5	4		1032306	CLAMP (DWG 1101553) 2-1/8 DIA
	6	6		10012	CAPSCR, HX, 3/8-16NC X 1 GR 5
	7	8		10164	WASHER, FL, 3/8 X 1 OD, ZP
	8	6		17413	NUT-HEX, FLXLC 3/8-16
S	9	4		*56100*	CLEARANCE LT, LED-R RED
S	10	4		*56099*	CLEARANCE LT, LED-A AMBER
	11	2		23173	GROMMET-RUBBER 1-1/4 ID X 2" OD FOR 1-1/2 HOLE 3/16 GRV
	23	2		947945	PAD, BOLTING 10-32 NF
	24	2		17547	SCREW, MACH, RHD, 10-32NF X 1/2 GR 2
	25	2		28537	LOCK WASHER-HELI, #10 X .334 OD
	30	1		86256A	WIRE KIT
	31	2		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
	32	2		10180	WASHER, LK, HELI, 3/8 X .683 OD

*SEE SERVICE PARTS

MT4400 W/ LED LIGHTS



LT SIDE WIRE CONNECTIONS



RT SIDE WIRE CONNECTIONS

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LOAD LIGHT ASSEMBLY

SHEET 2 OF 2

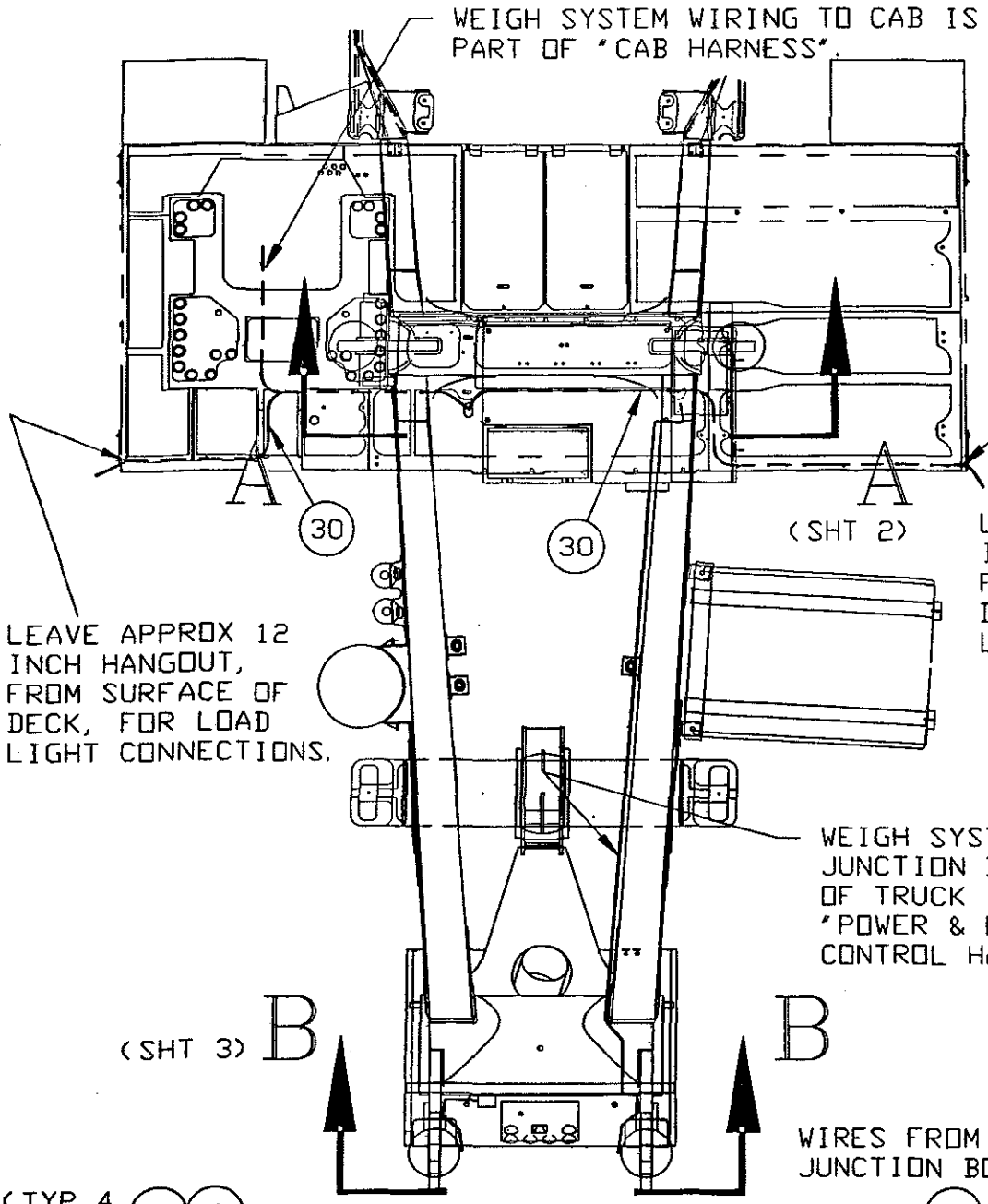
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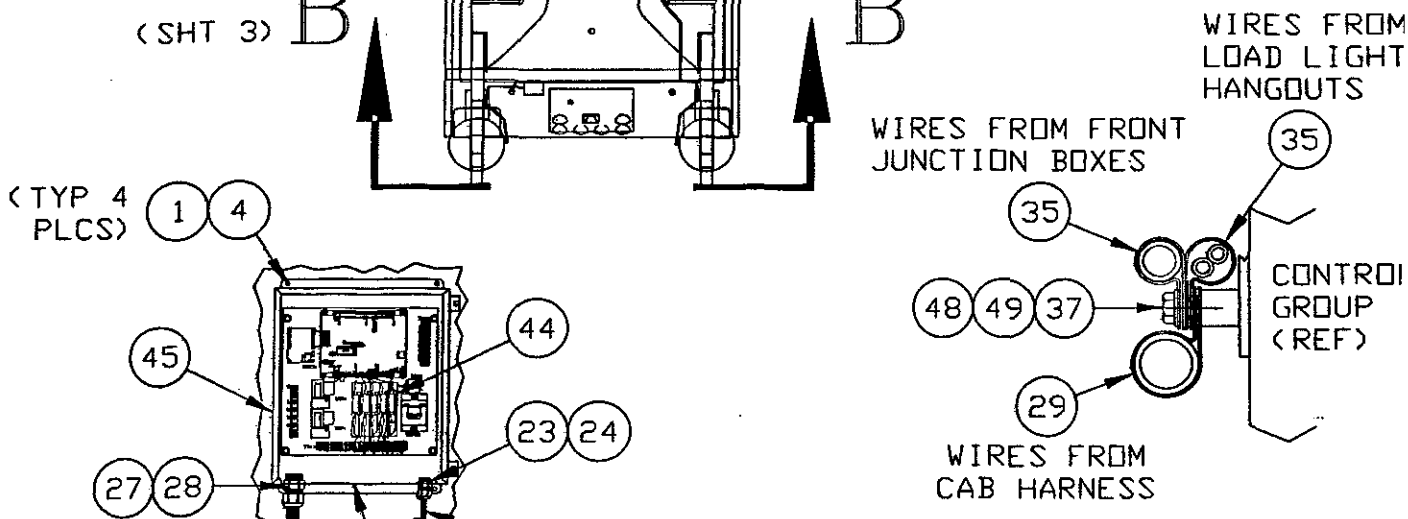
85722N

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CLAMP DETAIL -E-

VIEW C

TEREX UNIT RIG

WIRING KIT
WEIGH SYSTEM

SHEET 1 OF 8

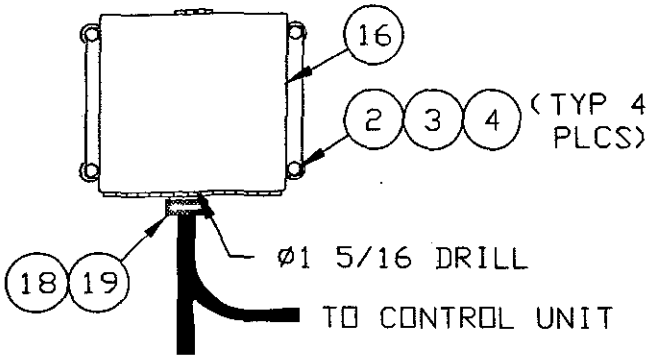
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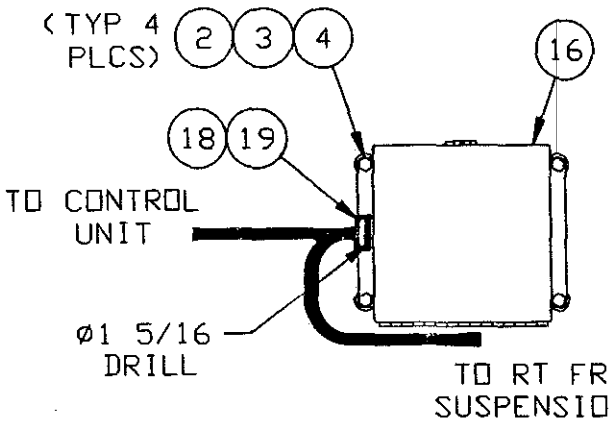
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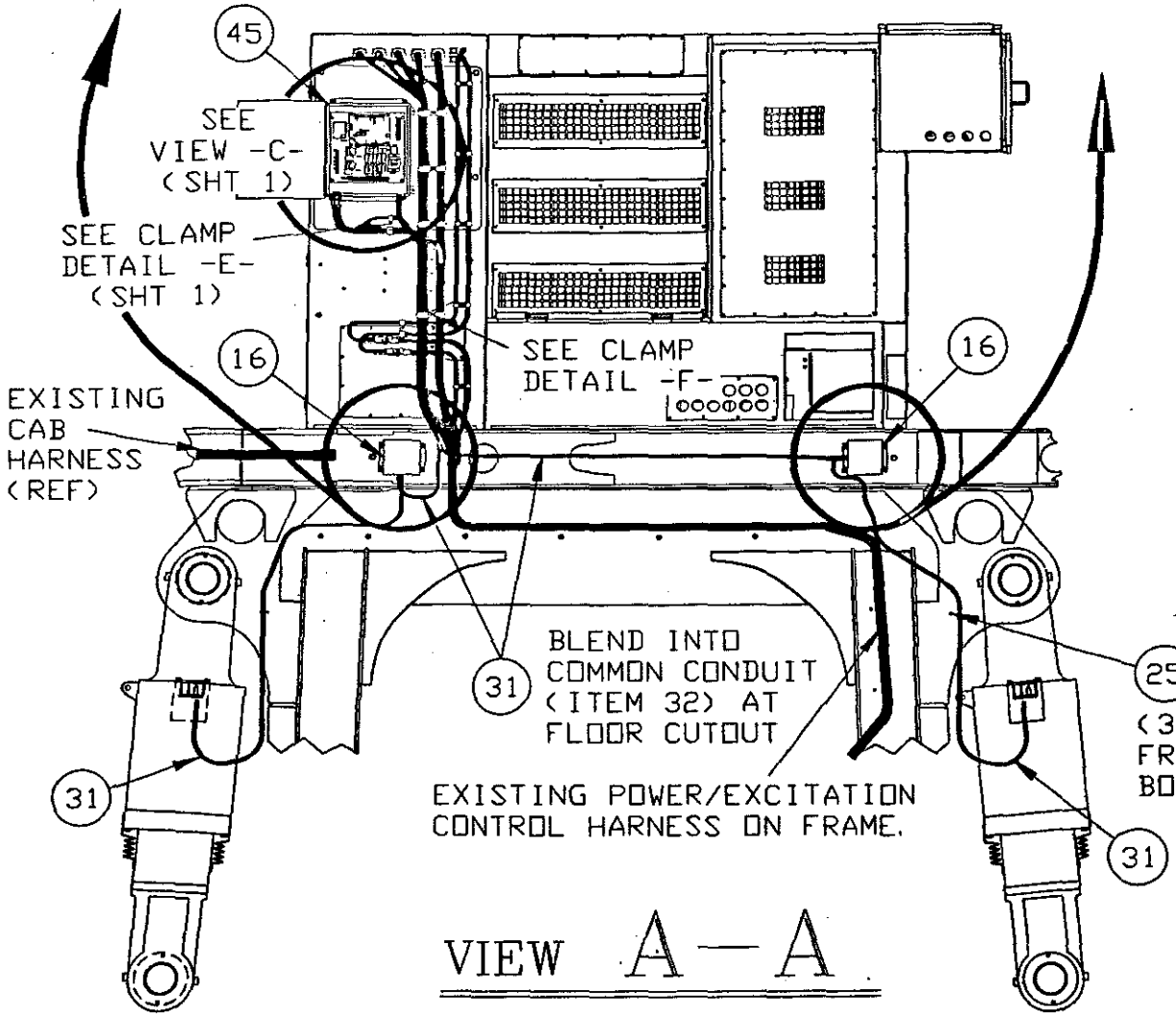
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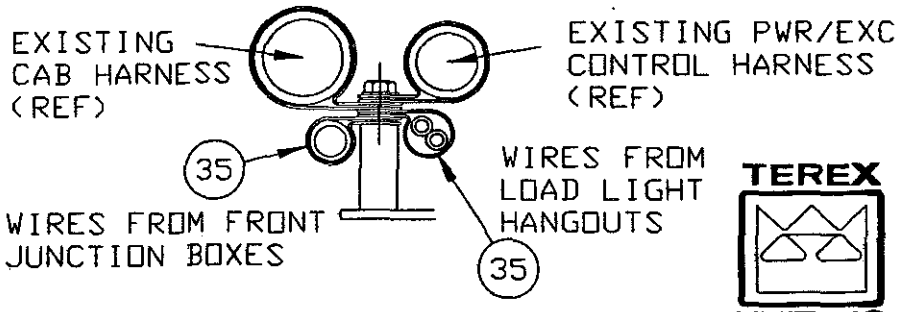






VIEW A—A

WHEN S/STRUCTURE AND FRAME ARE NOT PREASSEMBLED, PIGTAILS FROM TRANSDUCERS AND CABLES FROM FRAME RAIL SHOULD BE COILED AND RETAINED ON FRAME.



CLAMP DETAIL -F-

TEREX UNIT RIG

WIRING KIT, WEIGH SYSTEM

SHEET 2 OF 8

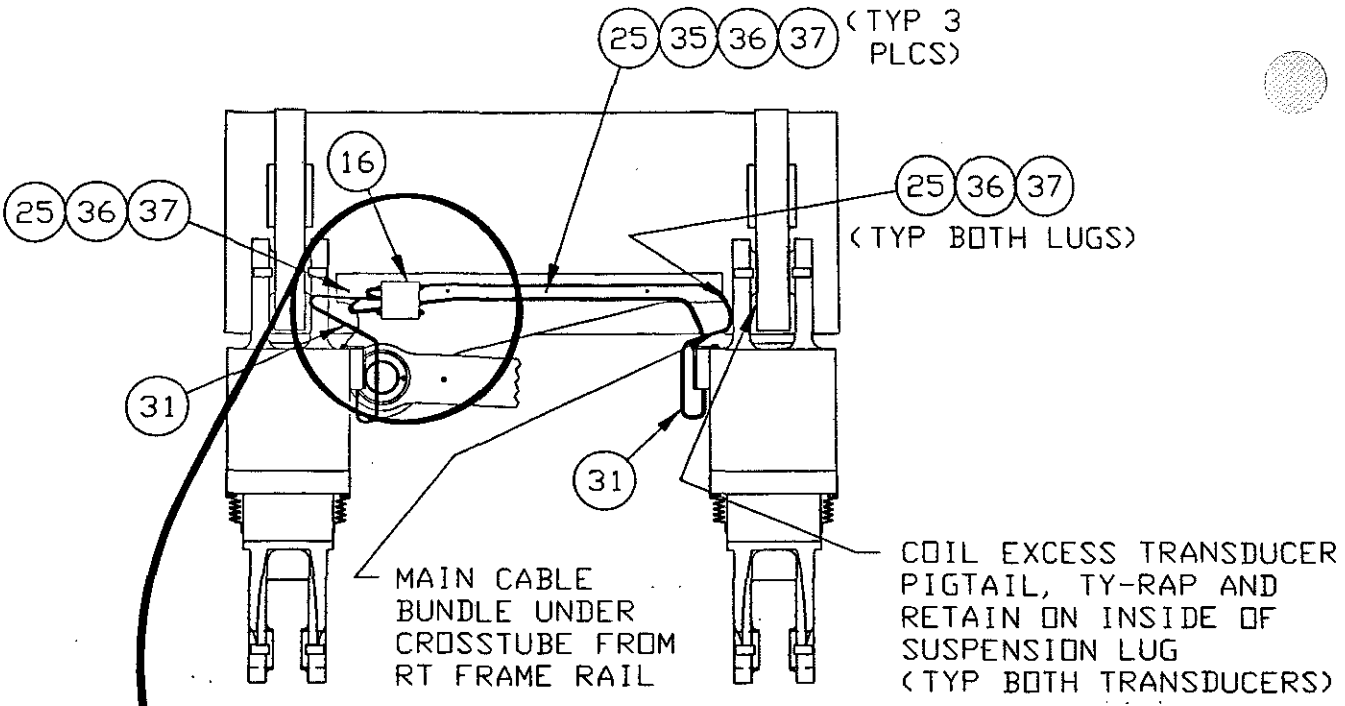
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85722N

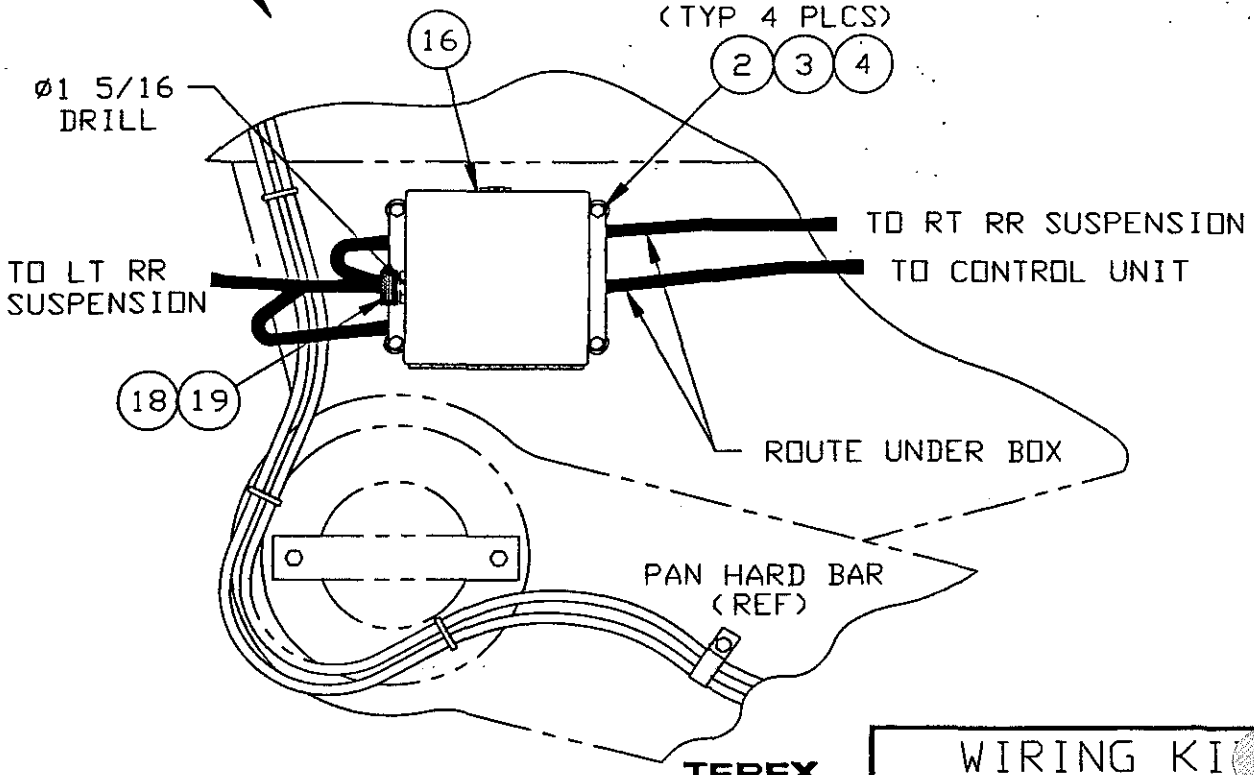
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VIEW B–B



TEREX
UNIT RIG

WIRING KI
WEIGH SYSTEM

SHEET 3 OF 8

85722N

85722N

SEE SCHEMATIC S10656 SHEET 1, 2 & 3 FOR CONNECTION DETAILS.

EFFECTIVITY	FROM	TERMINAL	WIRE NO.	WIRE SIZE	WIRE LENGTH	TERMINAL	TO
	CAB			--TO--		--CAB	
		--	PJ02	18	EXIST	--	NOTE 1
	ALARM	--	PAL1	EXIST	--	55279	
	ALARM	--	PAL2	EXIST	--	55279	
	ALARM	--	PAL3	EXIST	--	55279	
	CAB			--TO--		--CONTROL UNIT	
		--	PT01	18	EXIST	NONE	NOTE 1
		--	XP20	18	EXIST	55279	
			P2C20	2CS18	EXIST		
		--	WHT	--	--	NONE	
		--	BLK	--	--	NONE	
		--	SHLD	--	--	--	
		--	XP21	18	EXIST	55279	
		--	PAL1A	18	EXIST	55279	
		--	90D1	14	EXIST	19039	
			P3C01	3CS20	EXIST		
		--	RED	--	--	55279	
		--	WHT	--	--	55279	
		--	BLK	--	--	55279	
		--	SHLD	--	--	55279	
			P3C02	3CS20	EXIST		
		--	RED	--	--	55279	
		--	WHT	--	--	55279	
		--	BLK	--	--	55279	
		--	SHLD	--	--	55279	
		--	PG01	18	EXIST	55279	
		--	PH01	18	EXIST	55279	
		--	PM01	18	EXIST	20691***	
		--	PM01B	18	EXIST	20691***	
	CONTROL GROUP			--TO--		--CONTROL UNIT	
		--	PB01	18	EXIST	55279	
		--	PP01	18	EXIST	55279	
			P2C03	2CS18	EXIST		
		--	WHT	--	--	NONE	
		--	BLK	--	--	NONE	
		--	SHLD	--	--	--	
		--	PE01	18	EXIST	55279	
		--	PU01	18	EXIST	NONE	NOTE 1
	CONTROL UNIT			--TO--		--CONTROL UNIT GND	
	20707	XP01		18	2FT	20632	
	55279	PV01		18	3FT	NONE	

NOTE 1--WIRE/CABLE AND TERMINALS IN CAB ARE INCLUDED IN STANDARD CAB HARNESS. ONLY TERMINALS FOR CONTROL UNIT CONNECTIONS ARE SUPPLIED WITH THIS ASSEMBLY.

*** ATTACHES TO DIODE (ITEM 20). OTHER END OF DIODE HAS 55279 TERM.

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UNIT RIG

WIRING KIT, WEIGH SYSTEM

85722N

85722N

SEE SCHEMATIC S10656 SHEET 4 FOR CONNECTION DETAILS.

EFFECTIVITY	FROM	TERMINAL	WIRE NO.	WIRE SIZE	WIRE LENGTH	TERMINAL	TO
		JUNCTION BOX (LEFT REAR OF SS)	---------- TO ----------			CONTROL	UNIT
			P2C10	2CS18	10FT		
		NONE	WHITE	--	--	NONE	
		NONE	BLK	--	--	20707	
		20691	SHLD	18	2FT	20707	
		NONE	PS01	18	10FT	55279	
		NONE	XP10	18	10FT	20707	
		PRESSURE TRANSDUCER FRONT LEFT	-- TO ----------			JUNCTION BOX (LEFT REAR OF SS)	
			P4C10	EXIST	10FT		
		JUNCTION BOX (RIGHT REAR OF SS)	---------- TO ----------			CONTROL	UNIT
			P2C11	2CS18	15FT		
		NONE	WHITE	--	--	NONE	
		NONE	BLK	--	--	20707	
		20691	SHLD	18	2FT	20707	
		NONE	PS02	18	15FT	55279	
		NONE	XP11	18	15FT	20707	
		PRESSURE TRANSDUCER FRONT RIGHT	-- TO ----------			JUNCTION BOX (RIGHT REAR OF SS)	
			P4C11	EXIST	10FT		
		JUNCTION BOX (TOP OF AXLE BOX)	---------- TO ----------			CONTROL	UNIT
			P2C14	2CS18	EXIST		NOTE 2
		NONE	WHITE	--	--	NONE	
		NONE	BLK	--	--	20707	
		20691	SHLD	18	2FT	20707	
		NONE	PS04	18	EXIST	55279	
		NONE	XP13	18	EXIST	20707	
			P2C15	2CS18	EXIST		
		NONE	WHITE	--	--	NONE	
		NONE	BLK	--	--	20707	
		20691	SHLD	18	2FT	20707	NOTE 2
		PRESSURE TRANSDUCER REAR	-- TO ----------			JUNCTION BOX (TOP OF AXLE BOX)	
			P4C12	EXIST	10FT		
			P4C13	EXIST	10FT		

NOTE 2--WIRE/CABLE ARE INCLUDED IN POWER & EXC CONTROL HARNESS

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UNIT RIG

WIRING KIT
WEIGH SYSTEM

85722N

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SEE SCHEMATIC S10656 SHEET 5 FOR CONNECTION DETAILS.

EFFECTIVITY	FROM	TERMINAL	WIRE NO.	WIRE SIZE	WIRE LENGTH	TERMINAL	TO
	CONTROL UNIT		---------TO------				SUPERSTRUCTURE
		55279	PLR1	18	25FT	20691	
		55279	PLA1	18	25FT	20691	
		55279	PLR3	18	30FT	20691	
		55279	PLA3	18	30FT	20691	

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UNIT RIG

WIRING KIT, WEIGH SYSTEM

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ITM	QTY	UM	COMPONENT	DESCRIPTION
1	4		15675	NUT-HX, CRNLK 1/4-20NC STD GR B
2	4		10001	CAPSCR, HX, 1/4-20NC X 3/4 GR 5
2	8		10001	CAPSCR, HX, 1/4-20NC X 3/4 GR 5
3	4		10178	WASHER, LK, HELI, 1/4 X .489 OD
3	8		10178	WASHER, LK, HELI, 1/4 X .489 OD
4	12		10162	WASHER, FL, 1/4 X 0.625 OD
4	4		10162	WASHER, FL, 1/4 X 0.625 OD
5	3		55279	TERMINAL, RING, #6-18GA
5	25		55279	TERMINAL, RING, #6-18GA
5	1		55279	TERMINAL, RING, #6-18GA
6	4		20691	TERMINAL-BUTT SPLICE 22-16 AWG
6	6		20691	TERMINAL-BUTT SPLICE 22-16 AWG
7	7		20707	TERMINAL-RING TONGUE #10 HOLE, 18 AWG
7	5		20707	TERMINAL-RING TONGUE #10 HOLE, 18 AWG
8	1		20632	TERMINAL-RING TONGUE 5/16 HOLE, 18 AWG
9	169	FT	24582	CABLE-18AWG
9	4	FT	24582	CABLE-18AWG
11	25	FT	28061	CABLE MLCND2CS18
12	1		19039	TERMINAL-ELEC #6 HOLE, 16-14 AWG
16	2		83510A	BOX, ELECTRICAL W/1 TERM. BD
16	1		83510A	BOX, ELECTRICAL W/1 TERM. BD
18	2		16971	GRIP, SEAL 1NPT 5/8 - 3/4 DIA CABLE
18	1		16971	GRIP, SEAL 1NPT 5/8 - 3/4 DIA CABLE
19	2		17104	LOCKNUT CONDUIT 1"
19	1		17104	LOCKNUT CONDUIT 1"
20	2		25487	DIODE-SILICON 3 AMP CAPACITY
23	1		84693E	GRIP (DWG 84693A-Z) 1/2" STR - PVC PIPE
24	1		84717A	LOCNUT (DWG 84717A-Z) 1/2 NPT

TEREX
UNIT RIG

WIRING KI
WEIGH SYSTEM

85722N

85722N

ITM	QTY	UM	COMPONENT	DESCRIPTION
25	12		18666	CLAMP LOOP 19/32 I.D.
27	1		84693J	GRIP (DWG 84693A-Z)
28	1		84717C	LOCNUT (DWG 84717A-Z) 1" NPT
29	1		18367	CLAMP-CUSHION 1-1/4
30	32	FT	84024F	CONDUIT (DWG84024A-Z) I.D. .25 (6MM)
31	9	FT	84024E	CONDUIT (DWG84024A-Z) I.D. .413 (10MM)
31	40	FT	84024E	CONDUIT (DWG84024A-Z) I.D. .413 (10MM)
32	5	FT	84024C	CONDUIT (DWG84024A-Z) I.D. .625 (16MM)
35	3		17141	CLAMP-CUSHION 7/8 ID
35	4		17141	CLAMP-CUSHION 7/8 ID
36	3		17413	NUT-HEX, FLXLC 3/8-16
36	9		17413	NUT-HEX, FLXLC 3/8-16
37	3		10164	WASHER, FL, 3/8 X 1 OD, ZP
37	9		10164	WASHER, FL, 3/8 X 1 OD, ZP
37	1		10164	WASHER, FL, 3/8 X 1 OD, ZP
40	5		16999	PLATE-TIE, PANDUIT
41	5		17547	SCREW, MACH, RHD, 10-32NF X 1/2 GR 2
42	5		17808	NUT, LOCK HX 10-32 NF
43	5		22048	WASHER, FL#10 (SAE) X .437 OD
44	1		84030B	ELECTRICAL FILTER ASSY
45	1		84154C	ENCLOSURE-WEIGH SYS
48	1		10011	CAPSCR, HX, 3/8-16NC X 3/4 LG GR 5
49	1		10180	WASHER, LK, HELI, 3/8 X .683 OD

MT4400AC W/
LOAD LIGHTS

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DR. MASSIE

ENG. APP.

REL. CK.

93964

93785

E.N. NO.

TEREX
UNIT RIG

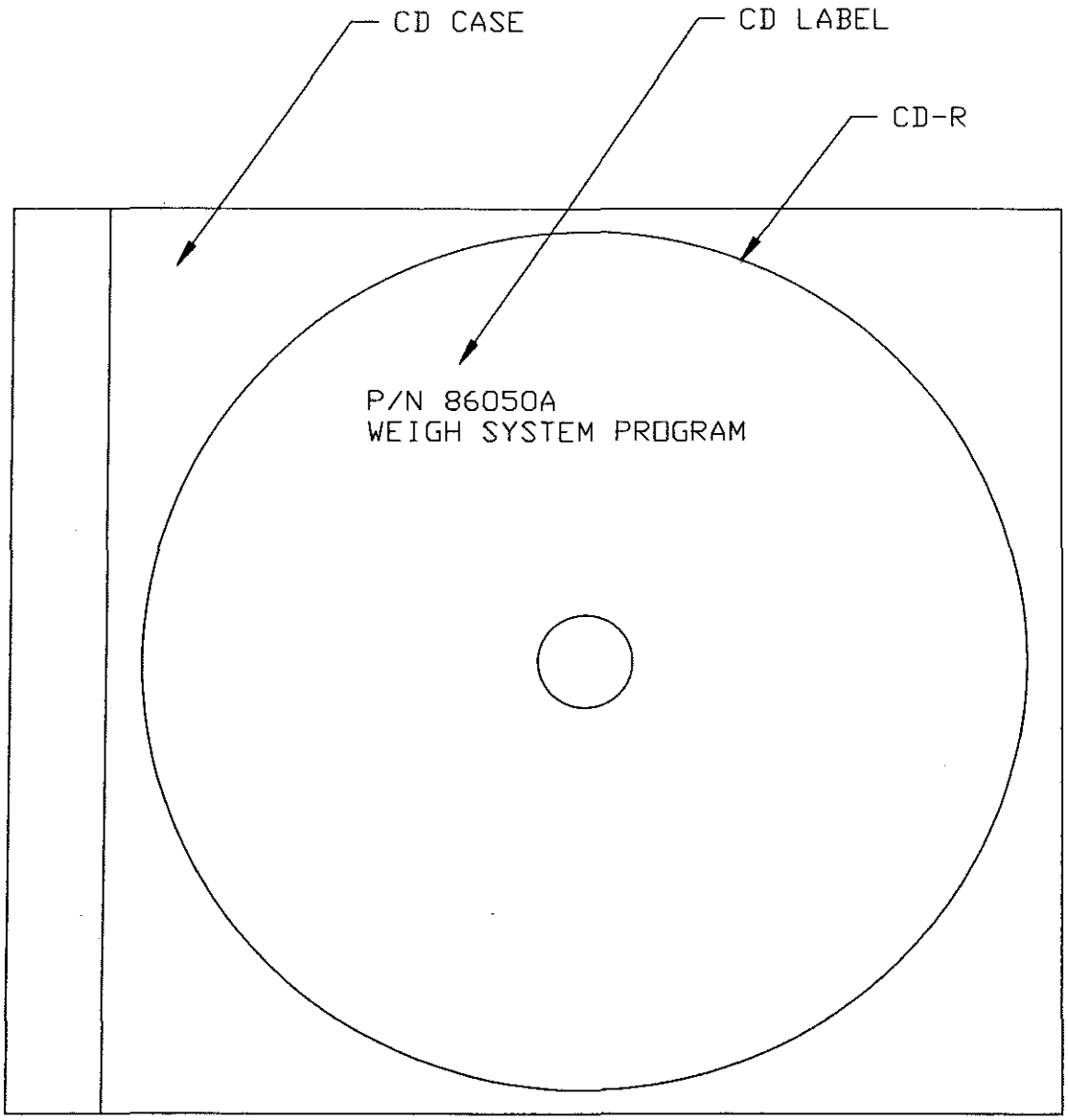
WIRING KIT,
WEIGH SYSTEM

85722N

86050A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1 R	1		DISK4001A	SOFTWARE, WEIGH SYSTEM

WINDOWS VERSION
DISTRIBUTED BY
SERVICE DEPARTMENT



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DR. SLF
ENG. APP. RRM
REL. CK. ELLIS

INSTRUCTIONS:

1. COPY DISK4001A, EXCEPT "\SOURCE" FOLDER, TO A CD-R.
2. LABEL THE CD-R PER FILE "\URLABEL\86050A-LABEL.DSN" ON ITEM 001. TO PRINT LABEL FILE "86050A-LABEL.DSN", USE "AVERY MEDIA SOFTWARE"
3. STICK LABEL ON CD..
4. PUT CD-R INTO CD CASE.

TEREX MINING™

WEIGH SYSTEM PROGRAM

SHEET 1 OF 1

86050A

93127
E.N. NO.

A83987

ALVERT

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94570

93127

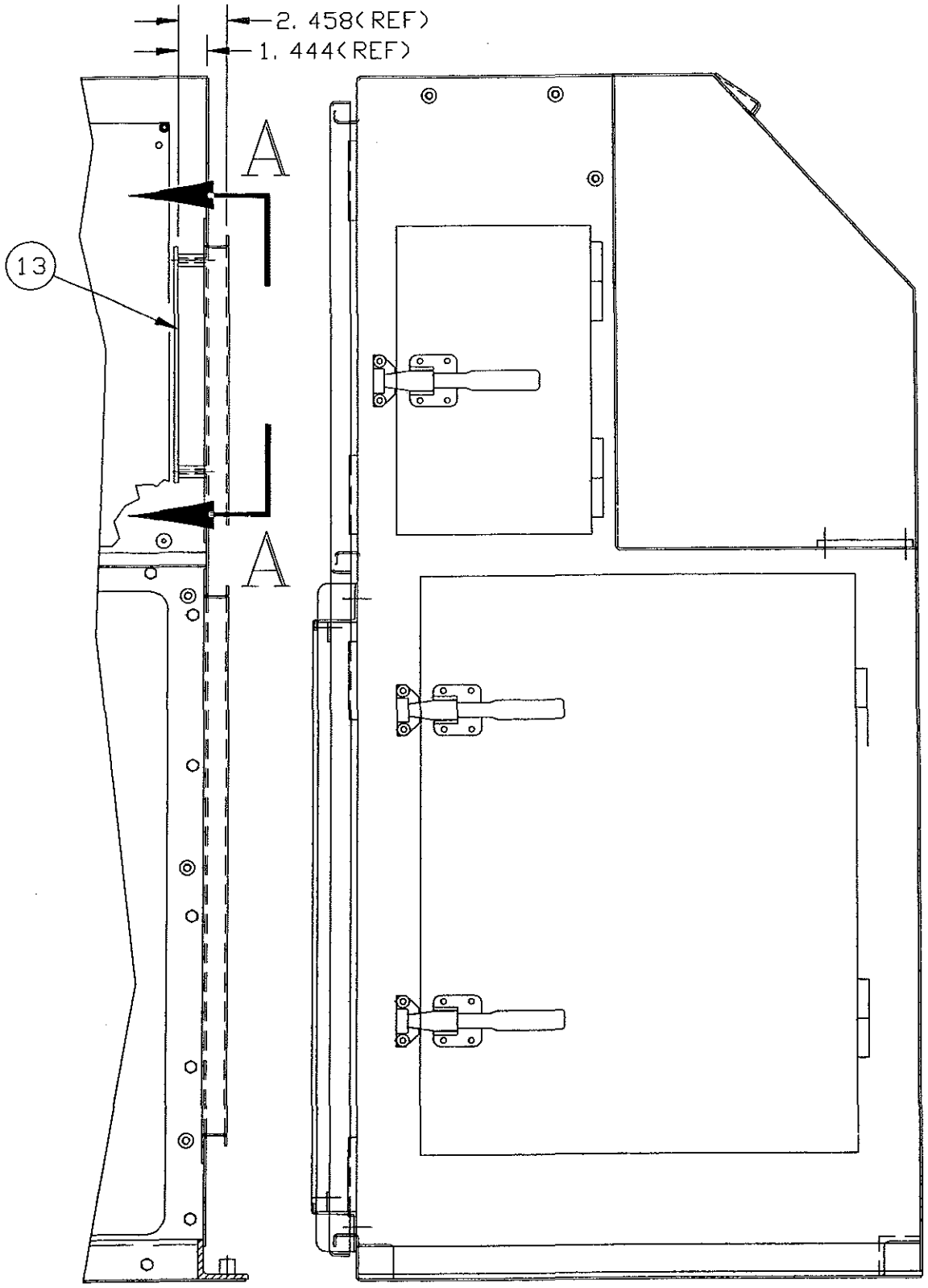
92678

88667

87916

87806

E.N. NO.



CONTROL BOX
FRONT VIEW

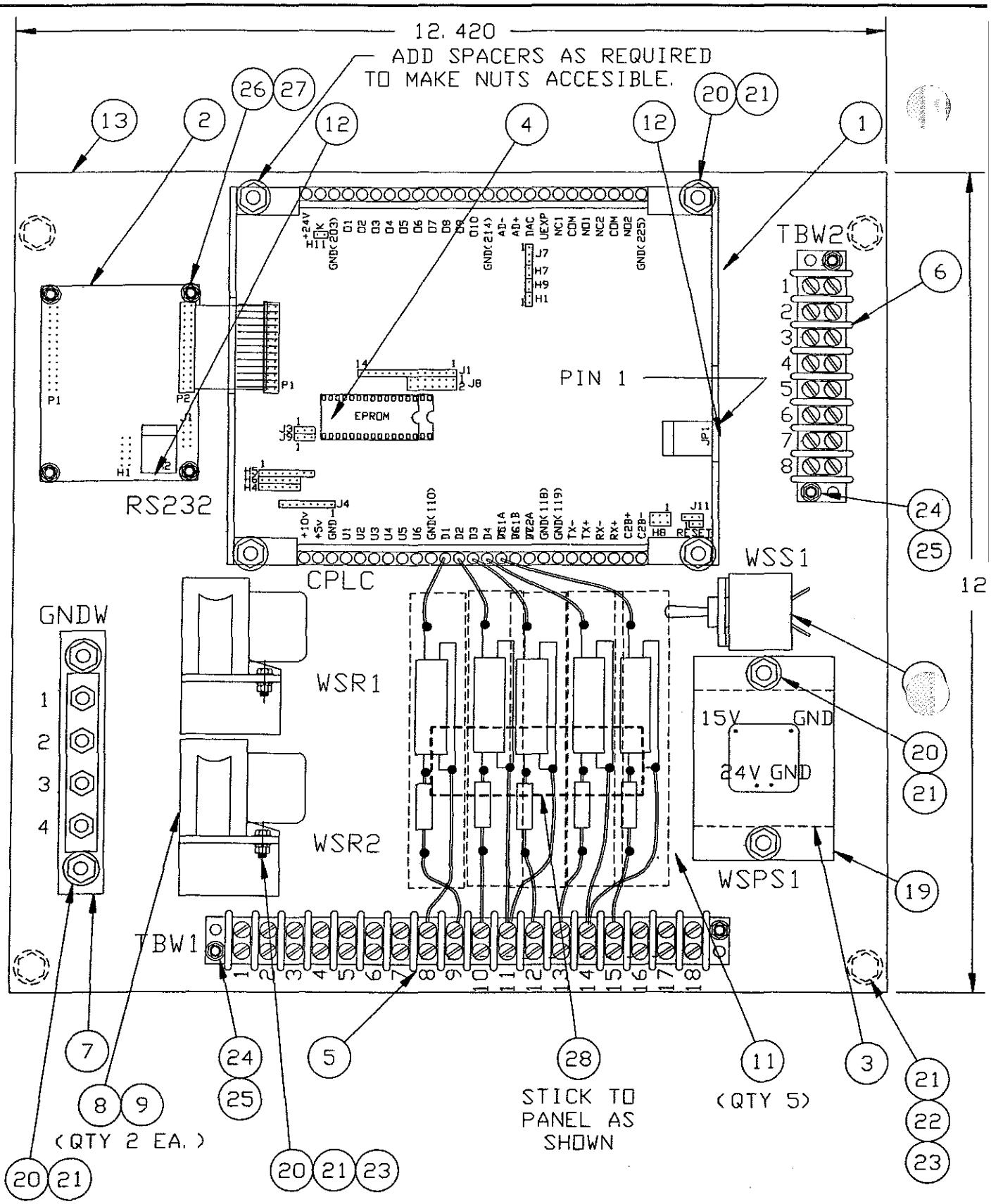
CONTROL BOX
SIDE VIEW

UNIT RIG
CAD ™

CONTROL UNIT INSTALLATION

SHEET 1 OF 4

A83987



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REL. CK.

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87806
E.N. NO.

VIEW A — A

UNIT RIG CAD

CONTROL UNIT INSTALLATION

SHEET 2 OF 4

A83987

REFERENCE S10628 FOR SCHEMATIC

EFFECTIVITY	FROM	TERMINAL	WIRE NO.	WIRE SIZE	WIRE LENGTH	TERMINAL	TO
	CPLC-+24V	-	101	20	30IN	-	CPLC-R1C
	CPLC-D7/C2A	-	102	20	30IN	-	CPLC-GND(118)
	CPLC-RX+	-	103	20	30IN	-	CPLC-GND(119)
	CPLC-+24V	-	104	18	30IN	55279	TBW1-17
	CPLC-GND(203)		105	18	30IN	20707	GNDW-1
	CPLC-D1	-	106	20	30IN	1021686	WSR1-85
	CPLC-D2	-	107	20	30IN	1021686	WSR2-85
	CPLC-D3	-	108	20	30IN	55279	TBW1-4
	CPLC-R1NO	-	109	20	30IN	55279	TBW1-5
	TBW2-4	55279	110	20	30IN	20707	GNDW-1
	WSS1-C	55279	111	18	30IN	55279	TBW1-18
	WSS1-NO	55279	112	18	30IN	55279	TBW1-17
	WSPS1-15-GND	SOLDER	113	20	30IN	SOLDER	WSPS1-24-GND
	WSPS1-15+	SOLDER	114	20	30IN	55279	TBW1-3
	WSPS1-24-	SOLDER	115	20	30IN	20707	GNDW-1
	WSPS1-24+	SOLDER	116	20	30IN	55279	TBW1-17
	WSR1-30	1021686	117	18	30IN	55279	TBW1-18
	WSR1-86	1021686	118	20	30IN	55279	TBW1-16
	WSR1-87	1021686	119	18	30IN	55279	TBW1-1
	WSR2-30	1021686	120	18	30IN	55279	TBW1-18
	WSR2-86	1021686	121	20	30IN	55279	TBW1-16
	WSR2-87	1021686	122	18	30IN	55279	TBW1-2
	GNDW-1	20707	123	20	30IN	55279	TBW1-8
	TBW1-7	55279	125	20	30IN	55279	TBW1-8
	TBW1-8	55279	126	20	30IN	55279	TBW1-11
	TBW1-11	55279	127	20	30IN	55279	TBW1-14
	TBW1-16	55279	128	20	30IN	55279	TBW1-17
	TELEPHONE JACK TO TB			EXIST	30IN		
	CPLCJP1-3	-	129	-	-	55279	TBW2-1
	CPLCJP1-4	-	130	-	-	55279	TBW2-2
	CPLCJP1-2	-	131	-	-	55279	TBW2-3
	TELEPHONE JACK TO TB			EXIST	30IN		
	RS232H2-3	-	132	-	-	55279	TBW2-5
	RS232H2-4	-	133	-	-	55279	TBW2-6
	RS232H2-2	-	134	-	-	55279	TBW2-7

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ENG. APP.

REL. CK.

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E.N. NO.

UNIT RIG CAD

CONTROL UNIT INSTALLATION

A83987

A83987

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E.N. NO.

APPLIES TO A83987A THROUGH G WHICH USE EPROM A84466M OR EARLIER.

APPLIES TO A83987H AND LATER WHICH USE EPROM A84466N OR LATER.

NOTE DIFFERENCE

CPLC

P1

+10v
+5v
GND
U1
U2
U3
U4
U5
U6
GND(110)
D1
D2
D3
D4
D5/C1A
D6/C1B
D7/C2A
GND(118)
GND(119)
TX-
TX+
RX-
RX+
C2B+
C2B-

+24V
GND(203)
01
02
03
04
05
06
07
08
09
010
GND(214)
AD-
AD+
DAC
UEXP
NC1
COM
NO1
NC2
COM
NO2
GND(225)

EPROM

MOVABLE JUMPER SEE ABOVE

SOLDERED PINS

OPEN PINS

RESET

JP1

PRIOR TO 1/06 "SOLDERED PIN" CONNECTIONS WERE CONNECTED USING "MOVABLE JUMPERS".

UNIT RIG CAD ™

CONTROL UNIT INSTALLATION

SHEET 4 OF 4

A83987

A83987K

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		83988C	CONTROLLER, CC
2	1		83988E	RS232 EXPANSION PORT, CC
3	1		55332	DC-DC CONVERTER
4	1		A84466N	WEIGH SYSTEM EPROM (ENGLISH, FRENCH, GREEK, SPANISH)
5	1		55343	TERMINAL BOARD
6	1		21612	TERMINAL BOARD
7	1		19395	BUS TERMINAL
8	2		53898	RELAY-SPDT 24V
9	2		52706	MOUNT, RELAY
10	1		21382	SWITCH TOGGLE
11	5		84030C	IN-LINE RELAY ASSEMBLY
12	2		55344	MODULAR CABLE ASSY
13	1		84039A	PANEL-WEIGH SYSTEM
14	4		20707	TERMINAL-RING TONGUE #10 HOLE, 18 AWG
15	8		1021686	TERMINAL, ELECTRIC 18-14 AWG
16	31		55279	TERMINAL, RING, #6-18GA
17	20	FT	24582	CABLE-18AWG
18	48	FT	53398	CABLE-20GA SING. /WIRE
19	1		84041A	MOUNT, POWER SUPPLY
20	10		12867	NUT-HEX, 10-32
21	14		28537	WASHER, LK, HELICAL, #10 X .334 OD
22	4		22048	WASHER, FL#10 (SAE) X .437 OD
23	6		17547	SCREW, MACH, RHD, 10-32NF X 1/2 GR 2
24	4		10122	NUT-HEX(6-32 NC)
25	4		10176	WASHER, LK, HELI, #6 X .250 OD
26	4		26717	NUT, HEX(4-40NC) GR2
27	4		55353	WASHER, LK, HELI, #4
28	1		85913A	LABEL, PATENT
999 R	1		A83987	DWG ONLY, CONTROL

(ENGLISH, FRENCH, GREEK & SPANISH)

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REL. CK. ELLIS

93296
E.N. NO.

TEREX MINING

CONTROL UNIT INSTL

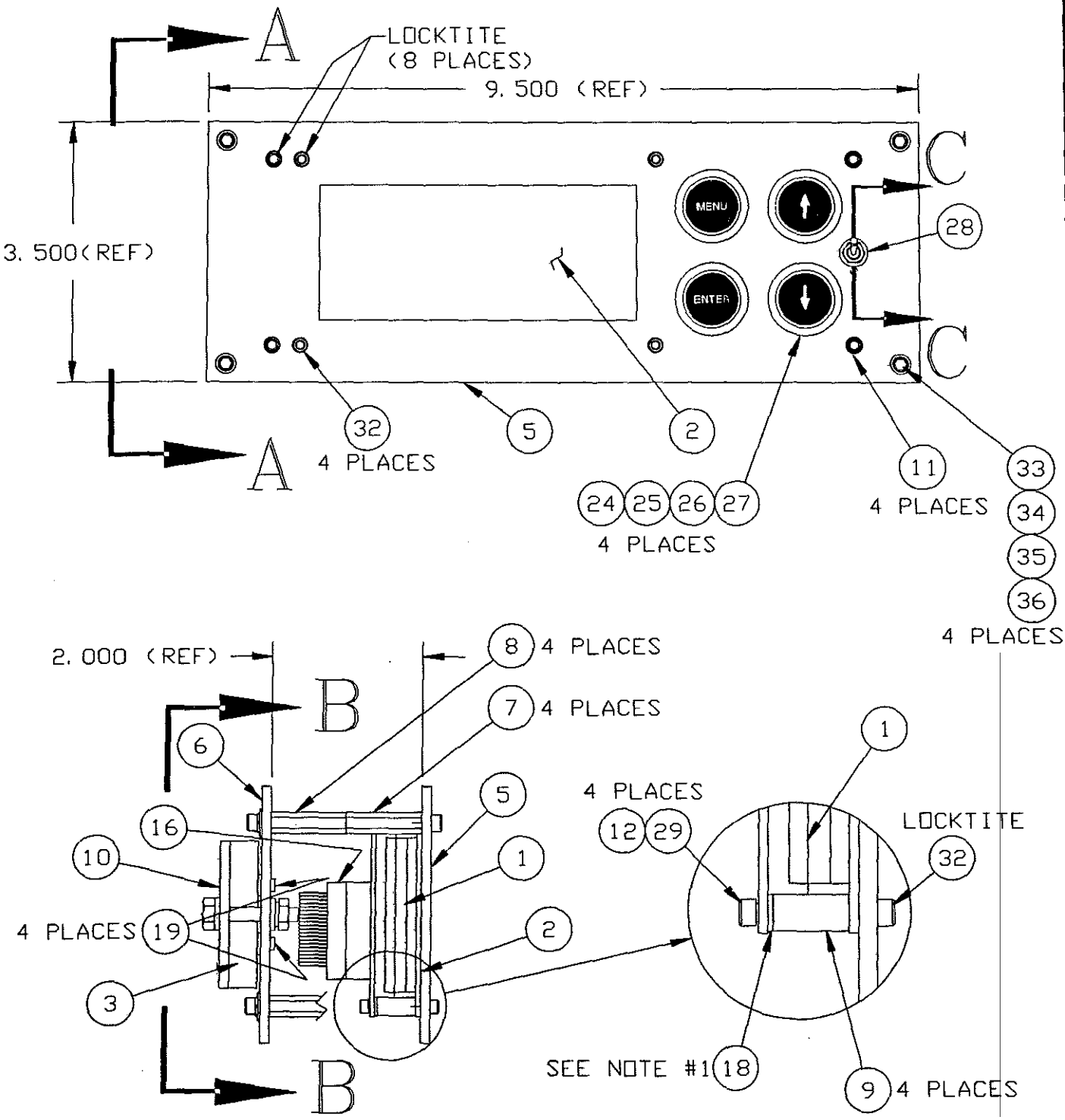
SHEET 1 OF 1

A83987K

A84233

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REL. CK. ELLIS



VIEW A—A

NOTE:
1) ITEM #18 MAY OR MAY NOT BE USED DEPENDING ON TOLERANCES USED ON ITEM #1. TIGHTEN TO A SNUG FIT BUT DO NOT BEND THE CIRCUIT BOARD PART OF ITEM #1.
2) INSTALL 1K RESISTORS (ITEM 17) AND WIRE PER S10629 SCHEMATIC.
3) PLACE DISPLAY LABELS UNDER LENSE ON THE SWITCHES AS SHOWN IN FRONT VIEW OF DISPLAY.

60
90193
88481
E.N. NO.

UNIT RIG CAD ™

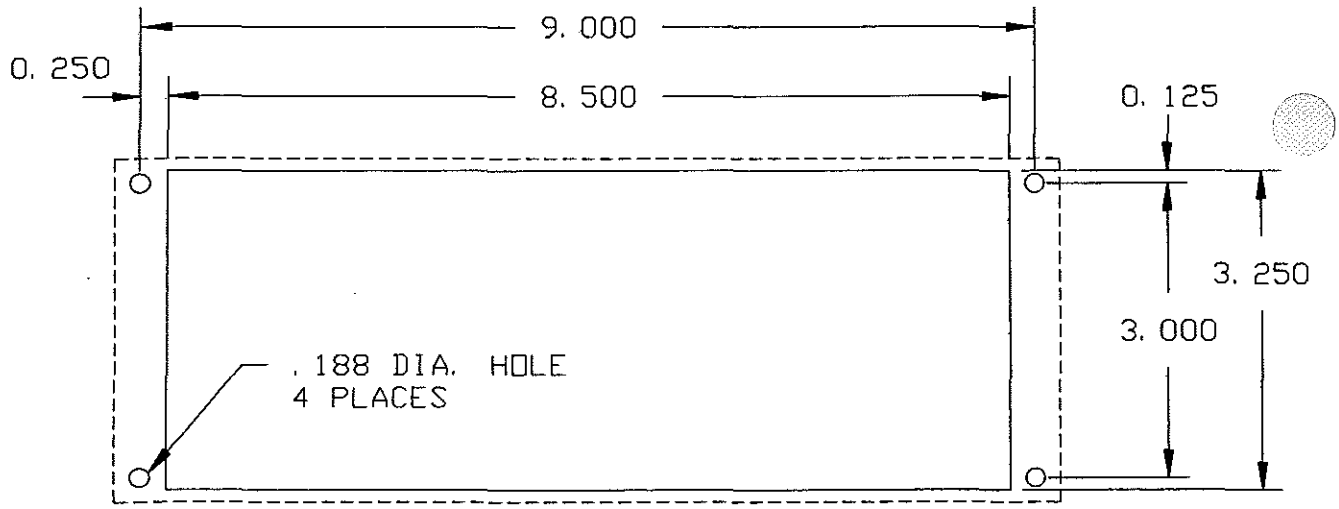
DISPLAY UNIT

SHEET 1 OF 2
A84233

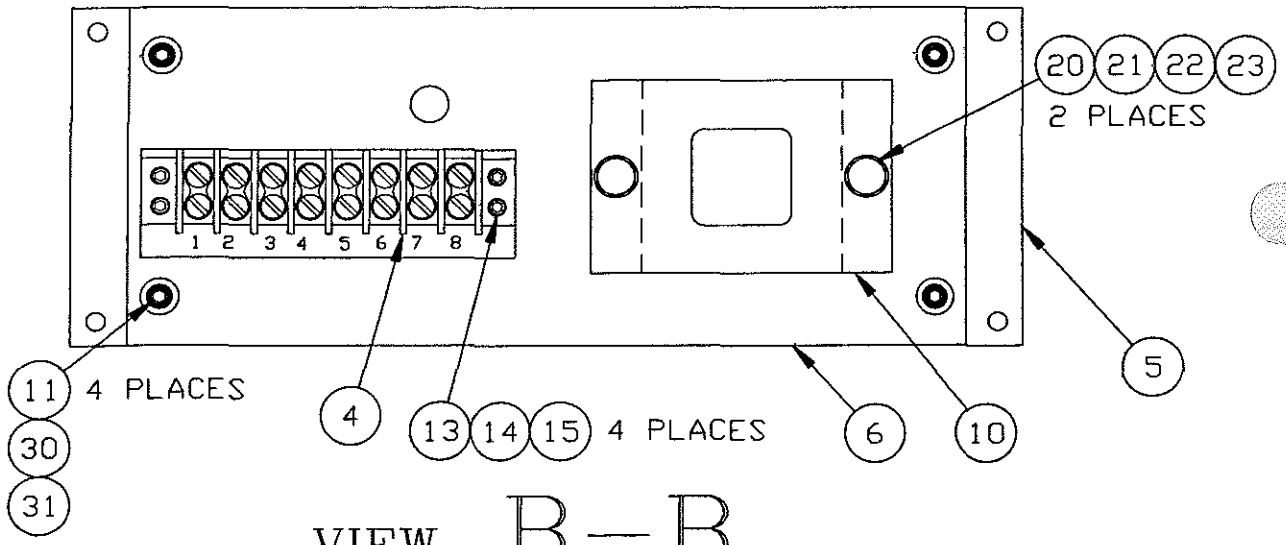
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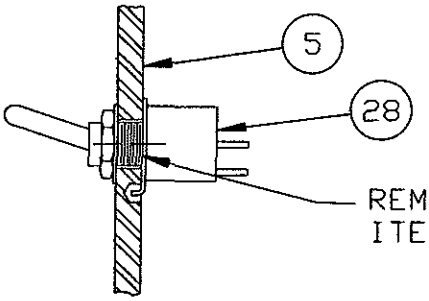
DR. SLF
ENG. APP.
REL. CK.



CUTOUT FOR PANEL MOUNTING



VIEW B—B



SEC C—C

91560
90193
88481
E.N. NO.

UNIT RIG CAD ™

DISPLAY UNIT

SHEET 2 OF 2

A84233

A84233A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		84002A	DISPLAY, FLUORESCENT
2	1		84002B	FILTER, GREEN
3	1		55331	DC-DC CONVERTER
4	1		21612	TERMINAL BOARD
5	1		84089C	PANEL, FRT, DISPLAY
6	1		84089E	PANEL, REAR, DISPLAY
7	4		55415	SPACER, 6-32 FEM THDS
8	4		55416	SPACER, 6-32 M/F THDS
9	4		55417	SPACER, 4-40 FEM THDS
10	1		84041A	MOUNT, POWER SUPPLY
11	8		55418	CAPSCR, HXSKT, 6-32NC X 3/8 LG GR 2
12	4		55419	CAPSCR, HX SKT, 4-40NC X 1/4 LG GR 2
13	4		55420	CAPSCR, HX SKT, 5-40NC X 5/8 LG GR 2
14	4		55421	NUT, HEX 5-40NC
15	4		55422	WSHR, LK, TOTH, #5
16	1		55423	TERMINATION JUMPER
17	5		914916	RESISTOR
18	4		55424	WSHR, FLAT, FIBRE #4
19	4		55425	WSHR, NYLON SHOULDER
20	2		51461	SCR, MACH, HX, 10-32NF X 1-1/8 GR 2
21	4		22048	WASHER, FL#10 (SAE) X .437 OD
22	2		28537	WASHER, LK, HELICAL, #10 X .334 OD
23	2		12867	NUT-HEX, 10-32
S 24	4		* 55426 *	SWITCH, MOMENTARY
25	4		55427	LENS, TRANSLUCENT GREEN
26	4		55428	CONTACT ELEMENT
27	4		55429	LAMP, INCANDESCENT
28	1		55430	SWITCH, TOGGLE
29	4		55431	WSHR, LK, TOTH, #4
30	4		22068	WSHR, FL, #6 X .375OD X .375 OD
31	4		10176	WASHER, LK, HELI, #6 X .250 OD
32	4		56118	CAPSCR, HXSKT, 4-40NC X 3/8 LG GR 2
33	4		25321	CAPSCREW, HXSKT, 8-32NC X 3/4 GR 8
34	4		52366	WASHER, FL, #8 X .562 OD
35	4		18634	WASHER, LK, HELICAL
36	4		986549	NUT-HEX 8-NC
99 R	1		A84233	DWG ONLY DISPLAY UNIT

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ENG. APP. GAP
REL. CK. ELLIS

560
90193
88440
E.N. NO.

*SEE SERVICE PARTS

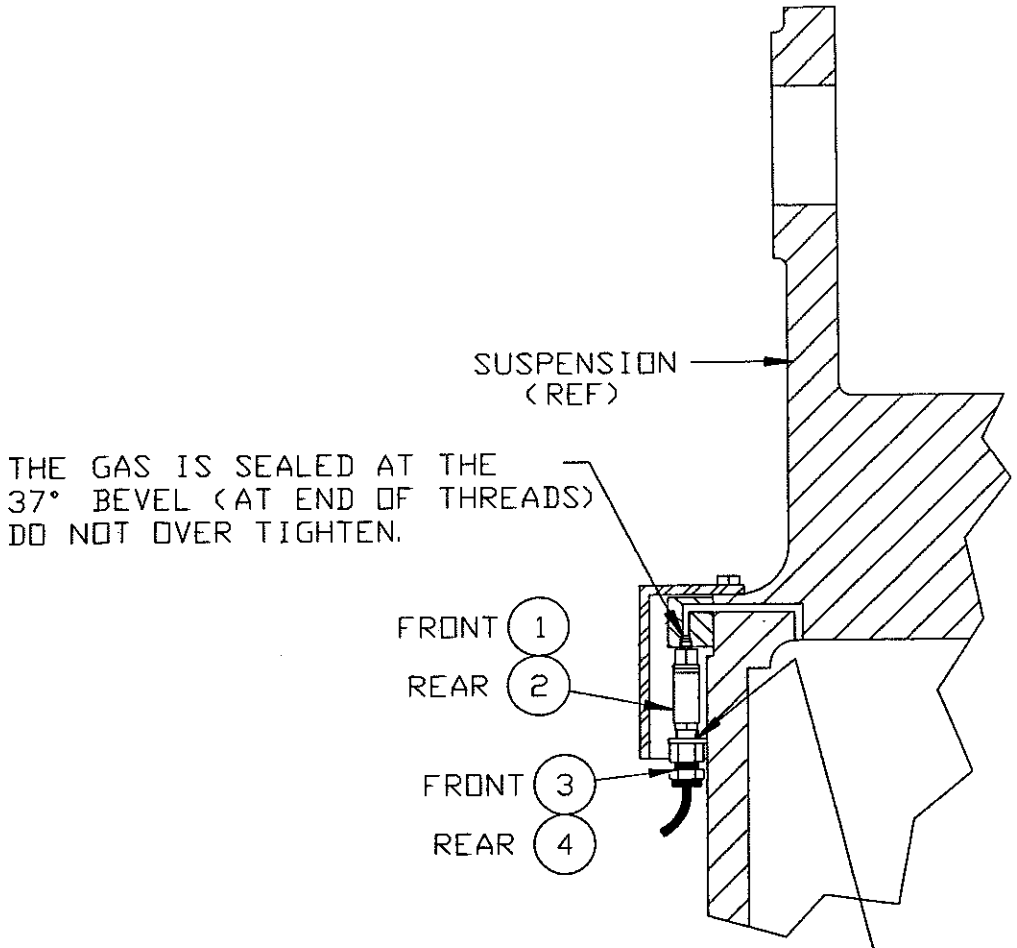
TEREX MINING

DISPLAY UNIT INSTL

SHEET 1 OF 1
A84233A

A84726

NOTE:
1- ASSY IS APPLICABLE TO BOTH FRONT AND REAR SUSPENSIONS.



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ENG. APP. GAP
REL. CK. ELLIS

92209
89573
E.N. NO.

UNIT RIG CAD

PRESSURE TRANSDUCER ASSY

SHEET 1 OF

A84726

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	2		55178	PRESSURE TRANSDUCER 0-4000PSI, 1-6VDC
2	2		55178	PRESSURE TRANSDUCER 0-4000PSI, 1-6VDC
3	2		56641	GRIP-STR CORD, 1/2 NPT
4	2		56641	GRIP-STR CORD, 1/2 NPT
99 R	1		A84726	DWG ONLY, XDUCER ASSY

0-4000PSI, SMR

A84726A

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ENG. APP. SLF

REL. CK. ELLIS

92209

89573

E.N. NO.

TEREX MINING™

PRESSURE XDUCER ASSY

SHEET 1 OF 1

A84726A

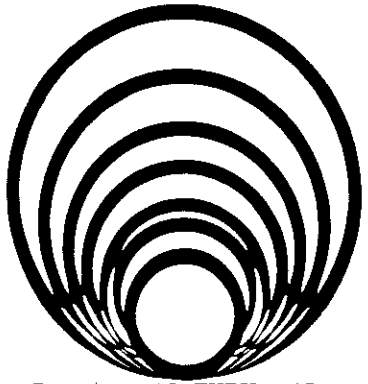
SECTION 11 - REFERENCE

DESCRIPTION	ASSEMBLY
Chassis Grease	86038A
Compressor Oil, Sanden	86095C
Engine Oil 15W40	86032A
Front Wheel Hub Oil	86040A
Grease, Chassis	86038A
Hydraulic Oil	86037E
Hydraulic O-Ring Kit	916362
Kit, Charging Nitrogen	82681F
Kit, Suspension Oil Charging	82681A
Lift Assembly, Truck	85125B
Oil, Compressor - Sanden	86095C
Oil, Engine 15W40	86032A
Oil, Front Wheel Hub	86040A
Oil, Hydraulic	86037E
O-Ring Kit, Hydraulic	916362
Suspension Oil Charging Kit	82681A
Truck Lift Assembly	85125B
Wheel Hub Oil, Front	86040A

O'RING KIT - HYDRAULIC P/N 916362

ORS -4 P/N: 916356 QTY: 25	O'RING EXTRACTION TOOLS O'RING LUBRICATION		P/N: 916367 P/N: 916368		ORS -6 P/N: 916357 QTY: 25
ORS -8 P/N: 913686 QTY: 25	ORS -10 P/N: 916363 QTY: 25	ORS -12 P/N: 916359 QTY: 25	ORS -16 P/N: 916360 QTY: 15	ORS -20 P/N: 916364 QTY: 15	SAE ORB-4 P/N: 21688 QTY: 25
SAE ORB-6 P/N: 986269 QTY: 25	SAE ORB-8 P/N: 986270 QTY: 25	SAE ORB-10 P/N: 1019450 QTY: 25	SAE ORB-12 P/N: 986272 QTY: 25	SAE ORB-16 P/N: 21224 QTY: 25	SAE ORB-20 P/N: 916361 QTY: 15
SAE ORB-32 P/N: 916358 QTY: 15 ⚠1	SAE ORB-24 P/N: 1019455 QTY: 15 ⚠1	FLANGE -12 P/N: 916365 QTY: 15	FLANGE -16 P/N: 916366 QTY: 15	FLANGE -20 P/N: 1023679 QTY: 15	FLANGE -24 P/N: 1023682 QTY: 15
FLANGE -32 P/N: 1023685 QTY: 10	FLANGE -48 P/N: 17074 QTY: 10				FLANGE -40 P/N: 18848 QTY: 10

SIZING CHART



FLANGE -12 THRU -48



SAE ORB -4 THRU -32



ORS -6 THRU -20

TORQUE ALL FITTINGS AND SPLIT FLANGE CONNECTIONS TO TORQUE SPECIFICATION HYDRAULIC FITTINGS 02-579

INSIDE LID LABEL STICKER

UNIT RIG O'RING P/N'S AND QUANTITIES

ITM	QTY PER ASSY	COMPONENT	DESCRIPTION
001	25	916356	O'RING-90 DURO
002	25	916357	O'RING-90 DURO
003	25	913686	O'RING-90 DURO
004	25	916363	O'RING-90 DURO
005	25	916359	O'RING-90 DURO
006	15	916360	O'RING-90 DURO
007	15	916364	O'RING-90 DURO
008	25	21688	SEAL O RING
009	25	986269	O-RING
010	25	986270	O-RING
011	25	1019450	O-RING
012	25	986272	O-RING
013	25	21224	SEAL 'O'RING
014	15	916361	O'RING-90 DURO
015	15	1019455	O RING
016	15	916358	O'RING-90 DURO
017	15	916365	O'RING-90 DURO
018	15	916366	O'RING-90 DURO
019	15	1023679	O-RING, (DWG 1101783)
020	15	1023682	O-RING, (DWG 1101783)
021	10	1023685	O-RING, (DWG 1101783)
022	10	18848	SEAL-O-RING
023	10	17074	SEAL ORING
024	1	916367	O'RING EXTRACTION KIT
025	1	916368	O-LUBE
026	1	916369	PLASTIC DIVIDER BOX

VENDOR

SEAL CO.
ENTERPRISES INC.
1558 N. 107TH E. AVE
TULSA, OK 74116
(918) 836-0441
(918) 836-5169 FAX

VENDOR P/N: 916362

UNIT RIG

O'RING KIT - HYDRAULIC P/N 916362

OUTSIDE LID LABEL STICKER

⚠1	89952	11/20/96	RELABELED TRAYS TO BE AS SUPPLIED				
■		8/22/96	RELEASE	80116K	MM	051	

SIMILAR TO:

TOLERANCES: UNLESS OTHERWISE SPECIFIED

DECIMAL	FRACTION	ANGULAR
.XXX ± .010	± 1/8	± 1/2°
.XX ± .03		
.X ± .1		

O'RING KIT - HYDRAULIC

DR: S. EARL
ENG APP: SHAW
REL DR:

UNIT RIG

CAD SIZE: D

SHEET 1 OF 1

916362

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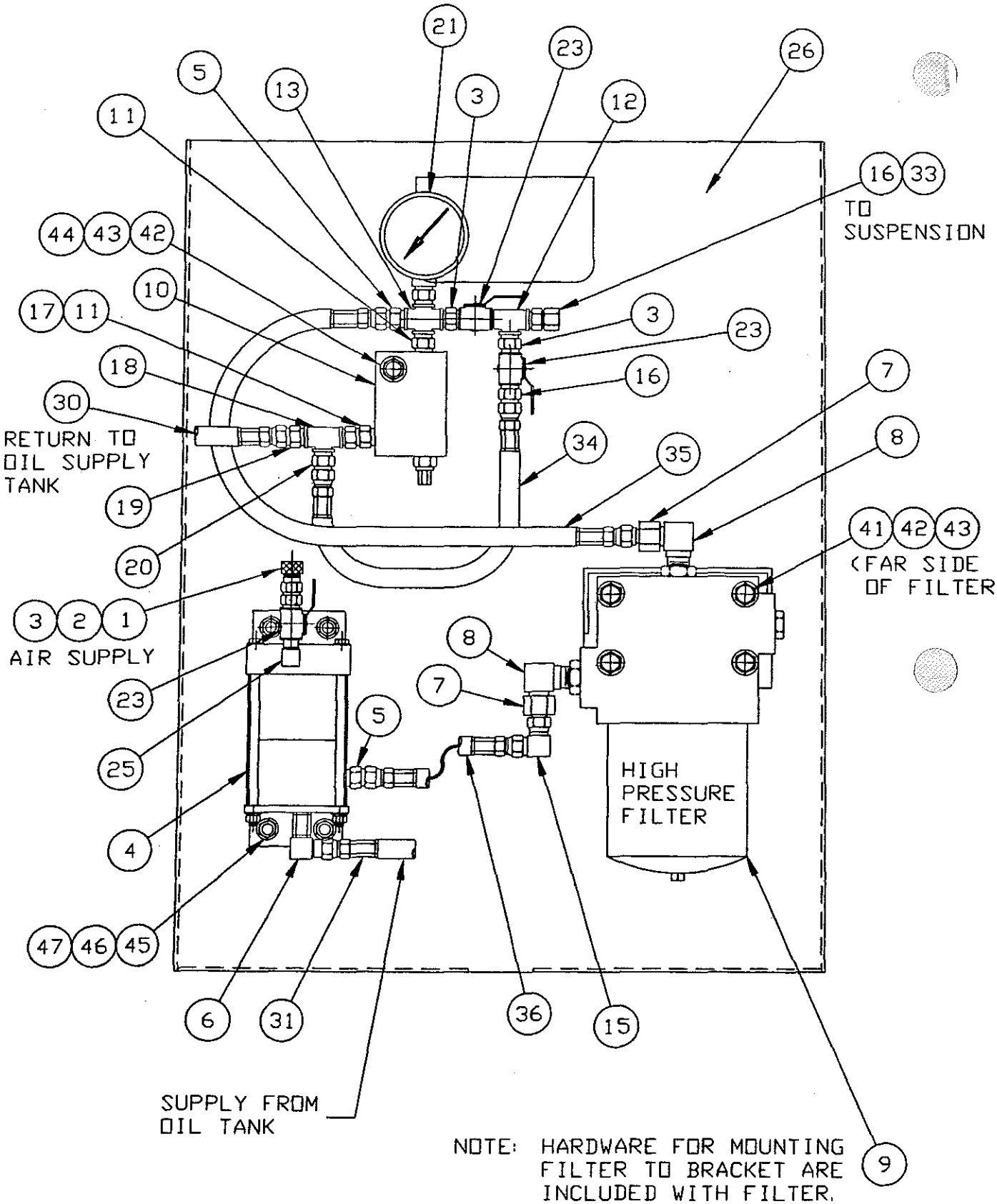
BI115389

82681A

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DR. CHILDERS
ENG. APP. NIELSEN
REL. CK. ELLIS

92894
89024
85453
83578
82257
81594
81425
E.N. NO.



NOTE: HARDWARE FOR MOUNTING FILTER TO BRACKET ARE INCLUDED WITH FILTER.

TEREX MINING™

SUSPENSION CHARGING KIT

SHEET 1 OF 3

82681A

82681A

ITM	QTY	UM	COMPONENT	DESCRIPTION
1	1		16943	CAP-DUST
2	1		16941	COUPLING- QUICK, MALE
3	3		17191	ADAPTER, NIPPLE, HEX 1/4 NPTF, MALE
4	1		51198	PUMP-HYD(AIR DRIVEN)
5	2		986212	ADAPTER, STRAIGHT #6 JIC, MALE X 1/4 NPTF, MALE
6	1		980058	ADAPTER, 90 DEG #8 JIC, MALE X 3/8 NPTF, MALE
7	2		1017210	ADAPTER, SWVL REDUCER #12 JIC, FEMALE X #6 JIC, MALE
8	2		986168	ADAPTER, 90 DEG #12 JIC, MALE X #12 O-RING, MALE
S 9	1		*28826*	FILTER HYD HIGH PRESS
S 10	1		*1004472*	VALVE, RELIEF, PILOT
11	2		28878	ADAPTER, STRAIGHT #6 O-RING, MALE X 1/4 NPTF, MALE
12	1		24148	ADAPTER, TEE RUN 1/4 NPTF, MALE ON RUN
13	1		21736	CROSS-PIPE, 1/4 NPT
15	1		18640	ADAPTER, 90 DEG #6 JIC, MALE X #6 JIC, FEMALE SWIVEL
16	2		986180	ADAPTER, STRAIGHT #4 JIC, MALE X 1/4 NPTF, MALE
17	1		24125	BUSH, 3/8 NPT X 1/4 NPT MI 150PSI HEX
18	1		10352	TEE, PIPE, 3/8 NPT X 0.925 MI 150PSI
19	1		17065	ADAPTER, HOSE #6 JIC, MALE X 3/8 NPTF, MALE
20	1		27043	ADAPTER, STRAIGHT 3/8 NPTF, MALE
21	1		52832	GAUGE-PRESS, MECH 0-1000 PSI
23	3		12206	VALVE, BALL 1/4 NPT
25	1		26467	ADAPTER, NIPPLE, 90 DEG 1/4 NPTF, MALE
26	1		82699A	COMPONENT MTG PLATE
30	1		24856	HOSE ASSY 211-06 74" LG W/319-06 FTGS
31	1		21656	HOSE ASSY 211-08 72" LG W/319-08 FTGS
33	1		23554	CAP, #4 JIC

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*SEE SERVICE PARTS

TEREX MINING

SUSPENSION CHARGING KIT

82681A

82681A

ITM	QTY	UM	COMPONENT	DESCRIPTION
34	1		900081	HOSE ASSY 211-04 13.5" LG W/319-04 FTGS
35	1		20025	HOSE ASSY 211-06 22" LG W/319-06 FTGS
36	1		20148	HOSE ASSY 211-06 10" LG W/319-06 FTGS
* 39	2		53495	ADAPTER, STR, SHORT #4 JIC, MALE X #5 O-RING, MALE
* 40	2		1024127	HOSE ASSY 211-04 250 LG W/319 FTGS
41	4		10013	CAPSCREW, HX, 3/8-16NC X 1-1/4 GR 5
42	10		10164	WASHER, FL, 3/8 X 1 OD, ZP
43	5		17413	NUT-HEX, FLXLC 3/8-16
44	1		10018	CAPSCREW, HX, 3/8-16NC X 2-1/2 GR 5
45	4		10008	CAPSCREW, HX, 5/16-18NC X 1 GR 5
46	8		52368	WASHER, FL, 5/16 X .875 OD
47	4		17410	NUT-HEX, FLXLC 5/16-18 FLEXLOC 21FAF-518
48	6		18402	TIE, WRAP HEAVY DUTY 3/16 TO 3-1/2 BUNDLE

NOTE: THIS KIT REQ'D TO FILL N2/OIL SUSPNS WITH HYDRAULIC OIL.

* ITEMS 39 & 40 ARE NOT SHOWN. USE IN TOP OF SUSPENSION WHEN FILLING WITH OIL.

AVERY-TEREX

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TEREX MINING

SUSPENSION CHARGING KIT

SHEET 3 OF 3

82681A

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82681F

DR. T. DODEN

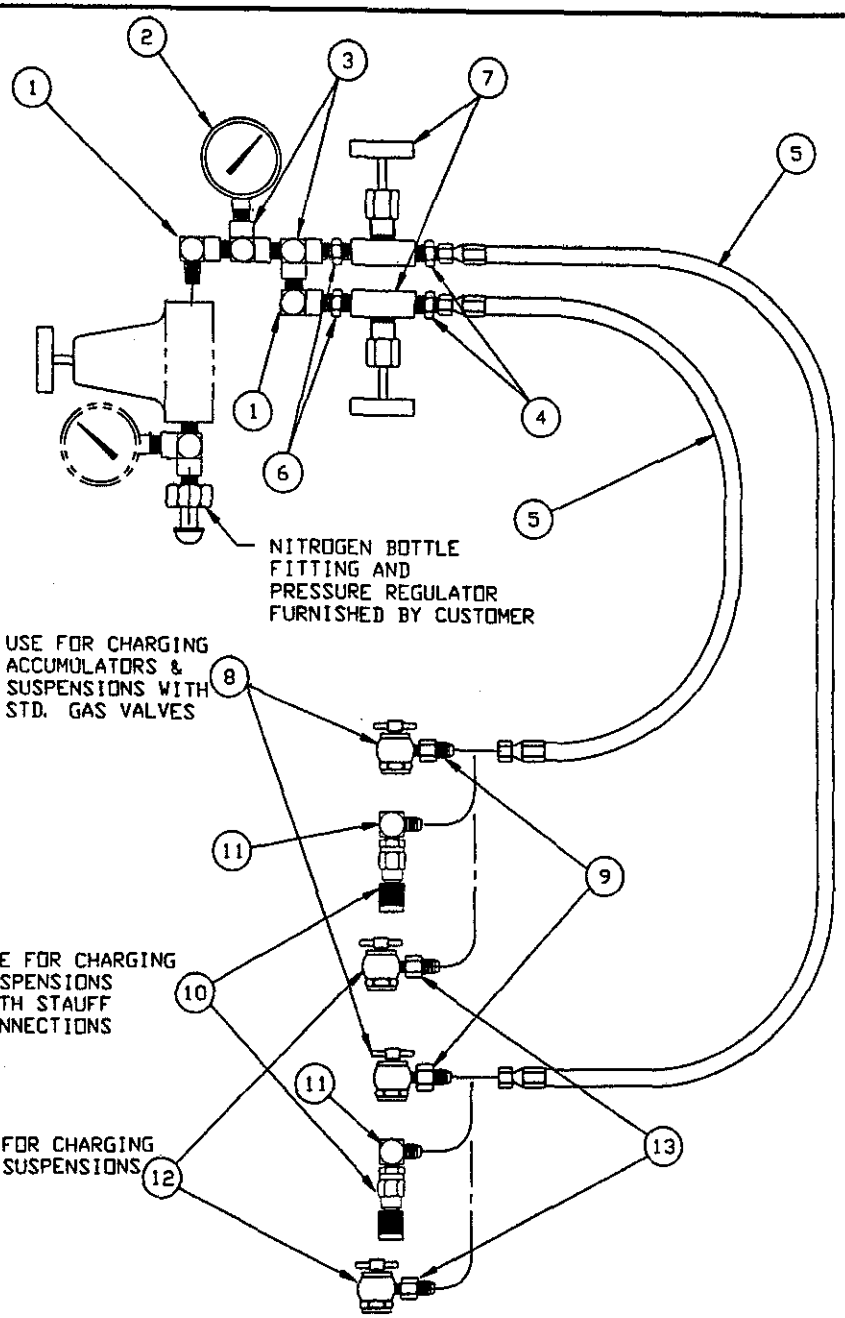
ENG. APP. GREENE

REL. DR. J. ELLIS

89754

89380

E.N. NO.



ITM	QTY PER ASSY	COMPONENT	DESCRIPTION
001	2	16370	ELBOW-ST. 90 1/4 NPT
002	1	53328	GAUGE-PRESS, MECH 0-3000 PSI
003	2	24148	TEE-STREET(1/4NPT)
004	2	986180	ADAPTER, STRAIGHT #4 JIC, MALE X 1/4 NPTF, MALE
005	2	51538	HOSE ASSY 211-04 230 LG W/319-04 FTGS
006	2	17191	ADAPTER, NIPPLE, HEX 1/4 NPTF, MALE
007	2	981487	VALVE NEEDLE
008	2	52888	ADAPTER, NITROGEN INFL
009	2	1001133	ADAPTER, STRAIGHT #4 JIC, MALE X 1/8 NPTF, FEMALE
010	2	55724	ADAPTER, QUICK CONN.
011	2	55725-0404	ADAPTER, 90 DEG #4 JIC, MALE X #4 BSPP, MALE
012	2	55964	ADAPTER, NITROGEN INFL
013	2	55996	ADAPTER-EXPANDER #3 JIC FEMALE X #4 JIC MALE

UNIT RIG

CAD

KIT, CHARGING, N2

SHEET 1 OF 1

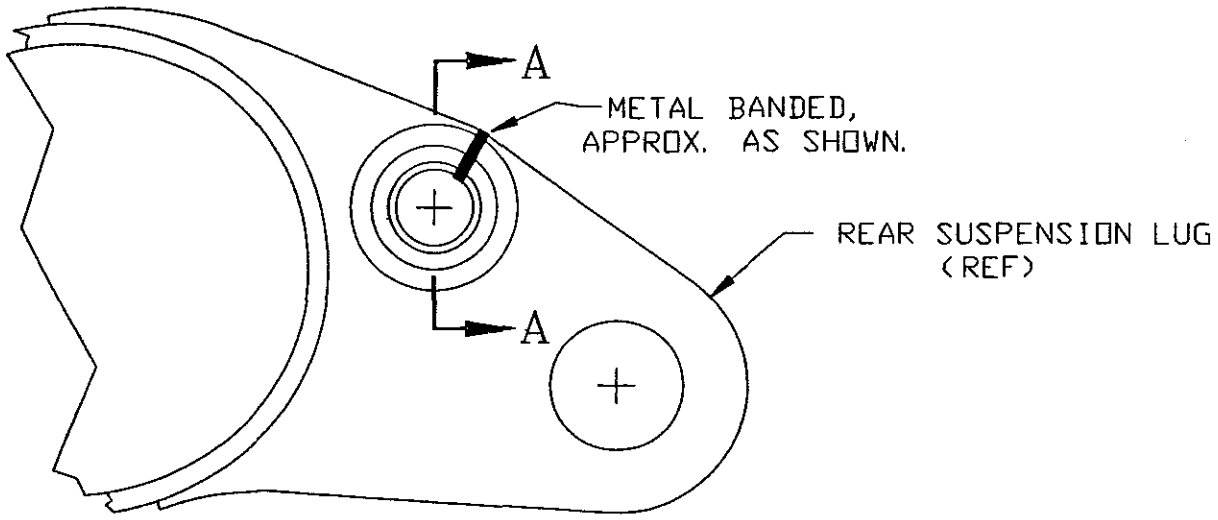
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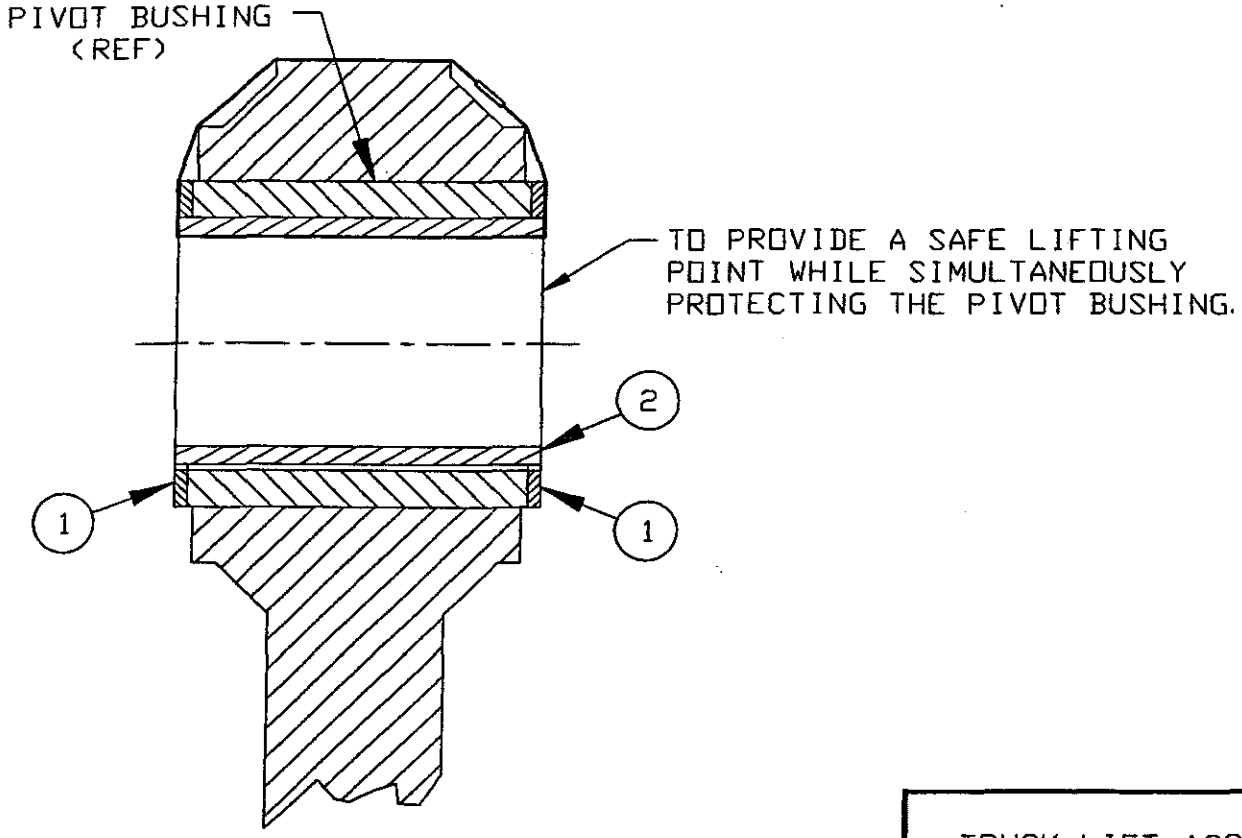
85125B

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ENG. APP. FUJAN
REL. CK. ELLIS



ITM	QTY PER ASSY	COMPONENT	DESCRIPTION
001	4	85126B	WASHER-LIFT
002	2	85127B	TUBE-LIFT



SEC A–A
TYP FOR BOTH SUSPENSION LUGS

UNIT RIG CAD ™

TRUCK LIFT ASSEMBLY

SHEET 1 OF 1

85125B

91007
E.N. NO.

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TOLERANCES: UNLESS OTHERWISE SPECIFIED

DECIMAL	FRACTIONAL	ANGULAR
.XXX ± .010	± 1/8	± 1/2°
.XX ± .03		
.X ± .1		

86032A

SPECIFICATIONS

ENGINE OIL FOR USE IN DDC SERIES 2000 & 4000 AND CUMMINS 'K' & 'QSK' SERIES ENGINES.
MUST MEET LATEST REVISION OF MTU PUBLICATION A001061/24E
OIL CATEGORY TYPE 2 FOR EXTENDED CHANGE INTERVALS IN
DDC SERIES 2000 AND 4000 ENGINES.

VISCOSITY - 15W40

SUPPLIER MUST SUPPLY TEREX MINING COPY OF DOCUMENTS FROM DDC AND CUMMINS ENGINE CO. THAT OIL IS APPROVED FOR USE IN DDC SERIES 2000 AND 4000 ENGINES AND CUMMINS 'K' & 'QSK' ENGINES

SOURCE

BEST

	93061	1/03	RELEASE	GEN USE		
				N/A	VEHICLE	S.N.

OIL, ENGINE 15W40

DR T. DODEN
ENG APP ROBINSON
REL CK ELLIS

TEREX MINING™ SIZE 1

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SHEET OF 86032A

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TOLERANCES: UNLESS OTHERWISE SPECIFIED		
DECIMAL	FRACTIONAL	ANGULAR
.XXX ± .010	± 1/8	± 1/2°
.XX ± .03		
.X ± .1		

86037B-F

SPECIFICATION:

PETROLEUM BASED ANTI-WEAR HYDRAULIC OIL

SUPPLIER MUST SUPPLY TEREX MINING WITH A COPY OF DOCUMENTS FROM MANNESMANN REXROTH (AXIAL PISTON PUMP MANUFACTURER) THAT STATES THAT THE HYDRAULIC OIL IS APPROVED FOR USE WITH REXROTH AXIAL PISTON PUMPS (UNLESS THE OIL IS ALREADY APPROVED AND LISTED ON MANNESMANN REXROTH DOCUMENT NUMBER RA 90220).

UNIT OF MEASURE IS GALLONS.

ISO VISCOSITY CLASS AS FOLLOWS:

PART NUMBER	ISO VISCOSITY CLASS
86037B	VG 32
86037C	VG 46
86037E	VG 68
86037F	VG 100

■	93068	16JAN03	RELEASE	GEN USE		
				N/A	VEHICLE	S.N.

OIL, HYDRAULIC

DR NIELSEN
ENG APP FUJAN
REL CK ELLIS

TEREX MINING™

SIZE 1

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SHEET 1 OF 1
86037B-F

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TOLERANCES: UNLESS OTHERWISE SPECIFIED			
	DECIMAL	FRACTIONAL	ANGULAR
.XXX	± .010	± 1/8	± 1/2°
.XX	± .03		
.X	± .1		

86038C

SPECIFICATION:

MUST MEET REQUIREMENTS STATED WITHIN THE T5124 DOCUMENT FOR CHASSIS LUBRICATION.

UNIT OF MEASURE IS POUNDS

NLGI GRADES AS FOLLOWS:

PART NUMBER	NLGI GRADE
86038A	2
86038B	1
86038C	0

■	93068	16JAN03	RELEASE	GEN USE		
				N/A	VEHICLE	S.N.

GREASE, CHASSIS

DR NIELSEN

ENG APP FUJAN

REL CK ELLIS

TEREX MINING™

SIZE 1

SHEET 1 OF 1

86038A-C

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TOLERANCES: UNLESS OTHERWISE SPECIFIED			
DECIMAL		FRACTIONAL	ANGULAR
.XXX	± .010	± 1/8	± 1/2°
.XX	± .03		
.X	± .1		

86040A-F

SPECIFICATION:

MUST MEET REQUIREMENTS STATED WITHIN THE T5125 DOCUMENT FOR FRONT WHEEL HUB OIL.

UNIT OF MEASURE IS GALLONS.

ISO VISCOSITY AS FOLLOWS:

PART NUMBER	ISO VISCOSITY
86040A	680
86040B	460
86040C	320
86040E	220
86040F	150

	9306	14JAN03	RELEASE	GEN USE		
				N/A	VEHICLE	S.N.

OIL, FRONT WHEEL HUB

DR FUJAN

ENG APP DODEN

REL CK FIIS

TEREX MINING™

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DATE: 14JAN03

SIZE 1

SHEET OF 1

86040A-F

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TOLERANCES: UNLESS OTHERWISE SPECIFIED			
	DECIMAL	FRACTIONAL	ANGULAR
.XXX	± .010	± 1/8	± 1/2°
.XX	± .03		
.X	± .1		

86095C-E

SPECIFICATIONS

PAG OIL SPECIFICALLY FORMULATED FOR USE IN SANDEN COMPRESSORS.

SPECIFIC GRAVITY	-	1.00-1.05 g/cm^3 @15°C
VISCOSITY	-	100 CST @ 40°C
VISCOSITY INDEX	-	210
POUR POINT	-	>-30°C
FLASH POINT	-	>200°C
COLOR(ASTM)	-	<1.0

SANDEN P/N 7803-1997 (PACKAGE OF 6 CANS @ 250CC(8.45OZ) EA.)
AIRPRO P/N 95-6927(SAME AS ABOVE)

P/N 86095C UNIT OF MEASURE IS EACH(PURCHASED QUANTITY)
P/N 86095E UNIT OF MEASURE IS OUNCES(ISSUED QUANTITY)

SOURCE

SANDEN INTERNATIONAL(USA) INC.
WYLIE, TEXAS

OR

AIRPRO
MESQUITE, TEXAS

■	93256	6/03	RELEASE	GEN USE		
				N/A	VEHICLE	S.N.

OIL, COMPRESSOR SANDEN

DR T. DODEN
ENG APP
REL CK J. ELLIS

TEREX MINING™ SIZE 1

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DATE: 6/10/03

SHEET OF
86095C-E

BI115389

MH341

ITM	QTY	UM	COMPONENT	DESCRIPTION
20	1		MH341-020	FINAL ASSY MODULE
30	1		MH341-030	ELECT. MODULE
40	1		MH341-040	POWER MODULE
50	1		MH341-050	HYDRAULICS MODULE
60	1		MH341-060	DRIVE MODULE
70	1		MH341-070	RUNNING GEAR MODULE
80	1		MH341-080	BRAKE MODULE
90	1		MH341-090	CAB MODULE, ROPS
100	1		MH341-100	ACCESSORY MODULE
130	1		MH341-130	TECHNICAL MODULE
150	1		MH341-150	TIRE & RIM MODULE
160	1		MH341-160	MAJOR FAB MODULE
170	1		MH341-170	DUMP BODY MODULE
190			MH341-190	TOOL & FIXTURE MODULE

QUANTITY (1) TOOL & FIXTURE MODULE IS TO BE SHIPPED WITH THE FIRST TRUCK ONLY.

S/N: MH341-343 (3 TRUCKS)
CUSTOMER: PEABODY
LEE RANCH EL SUGUNDO
ATM#: 0710-23
MODEL: MT4400AC
PAINT COLOR: GREY & WHITE
ENGINE: DDC 16V4000 TIER I
2300 HP
ALTERNATOR: GE 5GTA41
WHEELMOTORS: GE 5GEB25A
31.8:1 GEAR RATIO
CONTROLS: AC CONTROLS
RETARDER: BLOWN 14 GRID
FRONT BRAKES: CARLISLE
4 CALIPER, 46" DISC
REAR BRAKES: CARLISLE
DUAL 25" DISCS
BODY: CONV W/CNPY EXTENSION
171 YD3 STRUCK
184 YD3 WORKING
24'-10" WIDE
RIMS: TOPY 32X57X6
TIRES: 40R57 CUSTOMER
FUEL TANK: 800 US GAL
HYDRAULIC TANK: 175 US GAL
EXHAUST: MUFFLERS
AIR CLEANERS: DONALDSON SRG29
ENGINE FAN: 68" DIA
RADIATOR: YOUNG, 72 FT2
SUSPENSIONS: N2/OIL
ROCK EJECTOR CENTERLINE
101.94" FROM BODY CENTER.
MAX GVW: 865,000 LBS
NOMINAL RATED PAYLOAD =
240 TONS, 218 MTONS

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ATVERT-TEREX

DR. DODEN
ENG. APP. MURPHY
REL. CK. MORROUGH

95646
95602
E.N. NO.

TEREX UNIT RIG

MT4400AC
PNRC MH341-343

SHEET 1 OF 1
MH341

MH341-020

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		81284F	BRACKET, HOOD SHIPPING
20	1		68060G	FIRE EXT. ASSY, PORT. 20 LB EXTINGUISHER DECK MOUNTED LEFT FRT CORNER S/STRUCTURE
30	1		A84204BB	FUEL TANK ASSEMBLY 800 GAL TANK W/ BALL VLV/FUEL FILL LOC. FRT RIGHT BUMPER ONLY MT4400
40	1		A84261A	HOOD ASSEMBLY MT4400 W/2467HP MTU OR CUMMINS K2000/QSK60 OR DDC 16V149/16V4000.
50	3		916254	KIT, ELEMENT & SEAL 55585 6 MICRON FILTRATION
55	1		79544G	KIT, TRUCK ERECTION
60	1		A86175F	LADDER & RAILING ASSY MT4400AC(IGBT) SINGLE L. H. RUNG LADDER & DIAGONAL STAIR ACROSS FRONT. TOEBOARD MOUN CLEARANCE LIGHTS. ESCAPE LADDER OFF UPPER LADDER PLATFORM.
70	2		A84242A	LADDER, ENGINE SERVICE FOR MT4400. QTY FOR 1 SIDE ONLY.
80	1		A84414A	MIRROR MTG ASSY L. H. FOR MT30/33/36/37/44, PLUS 33AC/44AC/55. 10 X 30 FLAT MIRROR ON BOLT ON BRACKET.
90	1		A84623J	MIRROR, R. H. ASSY MT4400 W/AC S/S 16 X 24 GLASS CONVEX MIRROR
100	1		A84257N	MUD GUARD ASSY MT4400AC W/NON-HE BODY FRONT & REAR OF FRONT TIRES AND FRONT OF REAR TIRES. FOR RIGHT SIDE MUFFLERS OR DUMP BODY HEAT EXHAUST.
120	1	GL	56300K	PAINT, LH(NON-SKID BLACK) NO DV LOW HAPS.
130	10	GL	56300H	PAINT, LH (CORP GRAY) NO DV LOW HAPS. 142-134 COLOR SPEC: RAL 7012.
135	15	GL	56300H	PAINT, LH (CORP GRAY) NO DV LOW HAPS. 142-134 COLOR SPEC: RAL 7012.

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REL. CK. DORROUGH

95630
95602
E.N. NO.

TEREX
UNIT RIG

FINAL ASSY MODULE

MH341-020

ITM	QTY	UM	COMPONENT	DESCRIPTION
140	5	GL	56300F	PAINT, LH (CORP WHITE) NO DWG LOW HAPS. 141-123 COLOR SPEC: RAL 1013.
145	15	GL	56300F	PAINT, LH (CORP WHITE) NO DWG LOW HAPS. 141-123 COLOR SPEC: RAL 1013.
160	30	GL	56300C	PAINT, LH PRIMER(GRAY) NO DWG LOW HAPS. 492-55
170	1		A83678A	SAFETY SIGN ASSY, ENGLISH MT30/33/36/37/44/5500 ENGLISH
180	1		A86197B	TRUCK DECAL ASSEMBLY MT4400AC WITH TEREX/UNIT RIG DECALS.
190	1		85125B	TRUCK LIFT ASSEMBLY MT4400.

MH341-020

ABOM

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DODEN
ENG. APP.
REL. CK.

95630
95602
E.N. NO.

TEREX
UNIT RIG

FINAL ASSY MODULE

MH341-020

MH341-030

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		A86224A	24V ELECTRICAL ASSY MT4400AC W/ IGBT's
20	6		56971	BATTERY-OPTIMA NON-HAZARDOUS
30	1		A84245A	BATTERY BOX MOUNTING
40	1		A85142K	CAB ELECTRICAL ASSY FOR CABS W/ MAINTAINED PBKO SW AND NEW AL TMR.
50	1		A86225A	GROUND CABLE ASSEMBLY FOR MT4400 - INVERTEX (AC SYSTEM) AND STATEX (DC SYSTEM)
60	1		85103M	HARNESS INSTALL, CAB MT4400AC W/ IGBT CONTROL GROUP
70	1		A85283B	LIGHT ASSY-HD, TL, CLR MT4400 & MT5500 W/ LED'S
80	1		80943M	REV WARN ELEC HORN AS PRECO W/MANUALLY ADJUSTABLE SOUND LEVELS

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REL. CK. DORROUGH

95553
E.N. NO.

TEREX
UNIT RIG

ELECTRICAL MODUL

SHEET 1 OF 1
MH341-030

MH341-040

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		84942Y	ENGINE, DIESEL 16V4000 2300HP 2300 HP, ELECTRIC START W/100 AMP DELCO ALT EMISSION CERTIFIED FOR GE ALTERNATOR
15	1		83860C	BELT GUARD ASSEMBLY FOR SERIES 4000 ENGINES W/DELCO ALTERNATOR
20	1		85788A	ALTERNATOR-TRACTION GE 5GTA41 FOR DDC SERIES 4000 ENGINES
30	1		A84776C	ENGINE & ALT MTG ASSY MT4400 W/16V4000 68" FAN
40	1		A84010W	RADIATOR MTG ASSY MT4400 W/16V4000 TIER 1 W/YOUNG RADIATOR(IMPROVED) W/2 PASS LTC
50	1		A85248E	RADIATOR PIPING ASSY MT4400 W/16V4000 W/2 PASS LTC W/HIGH CLEARANCE LOWER HTC PIPE
60	1		A85246B	AIR CLEANER PIPING MT4400 W/16V4000 W/AC S/S
70	1		A86082A	EXHAUST ASSY, HTD BODY MT4400AC W/DDC 16V4000 ENGINE. FRONT TURBOS HEAT BODY, REAR TURBOS EXIT THRU MUFFLER.
80	1		A84963F	ENGINE PIPING ASSY MT4400 W/16V4000 ENG. W/ENGINE MTD COOLANT FILTER.
100	1		A85794A	ENGINE ELEC ASSEMBLY MT4400AC W/DDC 16V4000 USE W/GE AC DRIVE 100AMP ENG ALT
110	1		A85412A	INDICATOR, RESTRICTION FOR 'DDC' ENGINE -- (4) INDICATORS RED LINED 20"H2O
120	1		A84788N	AIR CONDITIONER ASSY MT4400 W/DDC16V4000 ENG SANDEN COMPRESSOR CONDENSOR MOUNTED IN FRONT OF RADIATOR

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DR. DODEN
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REL. CK. DORROUGH

95636
95602
E.N. NO.

TEREX
UNIT RIG

POWER MODULE, 16V40C

MH341-040

MH341-040

ITM	QTY	UM	COMPONENT	DESCRIPTION
140	66	GL	86032A	OIL-ENGINE 15W40
150	160	GL	ANTIFREEZE	ETHYLENE GLYCOL PER T512 50/50 MIX UNLESS NOTED OTHERWISE.

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REL. CK.

95636

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E.N. NO.

TEREX
UNIT RIG

POWER MODULE, 16V-400

SHEET 2 OF 2

MH341-040

MH341-050

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		A85117B	SHIPPING KIT, HYDRAULIC MT3000/3300/3600B/ 3700B/4400/5500 UNITS WITH ORS FTGS IN HYDRAULIC SYSTEM ALL ENGINES EXCEPT QSK45/60
20	1		A84148A	DUMP CYL MTG ASSY FOR MT4400 12" DIA 2 STAGE
30	1		A85185A	HYD. TANK ASSY. MT4400, SELF PRESSURIZING, VERTICAL 30" DIA. 175 GAL CAP, INCLUDES FILTER IN FILL LINE
40	1		A86200E	AUTO LUBE ASSY MT4400/MT4400AC W/HYDR. DRVN LUBE PUMP (ROTARY MTR). REMOTE FILL INSTALLED ON RIGHT FRONT WITH OVERFLOW HOSE. RESERVOIR CAPACITY APPROX. 133# OF GREASE. LID INCORPORATES O-RING SEAL ***NO SERVICE NOZZLES***
50	1		A85186G	HYD. PUMP DRIVE ASSY MT4400AC W/DOUBLE HOIST PUMP & STD STEERING PISTON PUMP.
60	1		A85894A	HYDRAULIC DUMP ASSY MT4400AC SINGLE INLET DUMP VALVE. CABLE CONTROL PILOT VALVE.
70	1		A85895A	HYDRAULIC STEERING ASSY MT4400AC W/STD PISTON PUMP, STEERING FLOW AMP, TWO 15 GAL. ACCUM'S, 6" CYL. AND ORS & FLANGE FITTINGS.
80	1		A85896D	HYDRAULIC BRAKE ASSY MT4400 BRAKE MANIFOLD WITH 24 VOLT DC COILS ON PARK BRAKE SOLENOID VALVE. ACCUMULATOR - THREADED CAP BOTH ENDS.

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HYDRAULICS MODULE

SHEET 1 OF 2

MH341-050

MH341-050

ITM	QTY	UM	COMPONENT	DESCRIPTION
100	1		A85399A	HYD OIL COOLER ASSY OIL COOLER ON MT4400
110	1		82650U	BRAKE DRAG WARNING PRESSURE SWITCHES MOUNTE IN HYD COMPONENTS BOX. FOR MT2700B, MT30/3300, MT36/3700B, MT4400AC AND MT5500 WITH PRESSURE GAUGES THAT HAVE O-RING BOSS THREADS.
160	220	GL	86037E	OIL, HYDRAULIC-VG68
170	120	LB	86038A	GREASE, CHASSIS-NLGI GRADE 2
170	30	LB	86038A	GREASE, CHASSIS-NLGI GRADE 2

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MH341-050

MH341-060

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		A86242A	ALTERNATOR/WHEEL COOLING ASSY MT4400AC W/IGBT CONTROLS W/SILENCER FOR ALTERNATOR INLET
20	1		85789G	CONTROL/POWER GROUP
30	1		86308G	DUMP BODY UP ASSEMBLY MT4400AC
40	1		85480A	KIT-AC CONTROL PARTS 150/200/240 TON AC SYSTEM LOOSE PARTS GE P/N 41X320036G4
60	1		A86226A	POWER & EXCITATN ASSY MT4400AC W/AC DRIVE IGBT CONTROL GROUP
70	1		85790B	RETARDING GRID GROUP
80	1		A83829Z	WHEEL MOTOR ASSY 787 OR GEB25 WHEEL WITH HUB FOR 57" DIA RIMS INCLUDES: SPACER BAND, STUDS W/HEX, CLAMPS & HARDWARE. PLUMBING FOR BREATHERS & SUMP LG WHEELCLAMPS W/ JACKOUT HOLE.
90	2		85791A	WHEELMOTOR, AC
91	20	GL	86040A	OIL-ISO680-SYNTHETIC DRIVE MODULE

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DRIVE MODULE

SHEET 1 OF 1
MH341-060

MH341-070

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		A85224D	AXLE ASSY-FRONT MT4400 BRONZE THRUST RING W/ANTI-ROTATION. SPINDLE FOR USE WITH FACE TYPE WHEEL SEAL. CAN BE USED WITH OIL BATH OR GREASE PACK WHEEL BEARING LUBE. HIGH INTERFERENCE FIT SLEEVES AT BEARING BORES. SPINDLE GIVES PRESS FIT INNER BEARING CONE. INTERF. LOWERED COMPARED TO PREVIOUS ASSEMBLY
20	1		A85221H	AXLE BOX MTG ASSY FOR MT4400. HAS BRONZE NOSECONE BEARING AND HIGH INTERF. SLEEVES. INTERF. LOWERED COMPARED TO PREVIOUS ASSEMBLY
30	2		A86352B	FRONT WHEEL ASSEMBLY MT4400AC WITH 32 X 57 RIMS. W/FACE TYPE WHEEL SEAL, WITH SEPARATE SEAL CARRIER, AND REMOTE BREATHER FOR OIL BATH. W/WHEEL STUDS W/HEX REQUIRES APPROPRIATE SPINDLE AND HUBCAP.
35	7	GL	86040A	OIL-ISO680-SYNTHETIC
40	2		A85440B	HUB CAP ASSEMBLY MT4400 W/OIL BATH WHEEL BEARINGS. HUB CAP IS CAST STEEL.
50	1		A85892A	SPEED SENSOR ASSY, FRONT FOR MT4400 W/AC DRIVE CONTAINS PARTS FOR BOTH FRONT WHEELS
60	1		A86052K	STEERING ASSY, MECH MT4400 W/CYLINDERS WITH ONE PIECE STUFFING BOX.
70	2		A85225W	SUSPENSION ASSY, FRONT MT4400 SMR SUSPENSION. 1/2" CHECK BALLS. HIGH INTERFERENCE FIT SLEEVES AT BEARING BORES W/REDUCED INTERFERENCE.
80	2		A85063R	SUSPENSION ASSY, REAR MT4400 SMR SUSPENSION. HIGH INTERFERENCE FIT SLEEVES AT BEARING BORES. INTERF. LOWERED COMPARED TO PREVIOUS ASSEMBLY.

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RUNNING GEAR MODULE

SHEET 1 OF 1

MH341-070

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	2		A84066B	REAR BRAKE ASSEMBLY CARLISLE DUAL DISC BRAKES FOR 787/788 WHEEL MOTORS.
20	2		A84196B	FRONT BRAKE ASSEMBLY FOR MT4400 QUAD CARLISLE J-6 CALIPERS WITH SLANT SEALS. USES ORS HOSES.

MH341-080

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BRAKE MODULE

SHEET 1 OF 1

MH341-080

MH341-090

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		A85100B	CAB/ROPS W/ABS PNLS W/SLIDING WINDOWS IN BOTH DOORS.
20	1		86222BT	CAB CONFIG. ASSY
30	1		77904S	CAB GAUGE ASSY, C/CODE COLOR CODED. INCLUDES ENGINE OIL PRESS ENGINE COOL TEMP FUEL LEVEL VOLTMETER ********** INSTALL PER CAB CONFIGURATION
40	1		A84183A	CAB & S/S MOUNTING MT4400 W/ R.O.P.S. - ALL PARTS TO MOUNT CAB TO S/S PLATFORM AND S/S TO FRAME.
50	1		A84217E	CAB SHIFTER ASSY FOR ANY TRUCK EXCEPT MT5500
60	1		A85476A	D.I.D. ASSEMBLY DRIVER INTERFACE DISPLAY FOR USE W/AC DRIVE SYSTEMS FROM G.E.
70	1		A84230E	DASH & SHROUD ASSY FOR ROPS CAB -- OPENING FOR HOURMETER IN R.H. PANEL -- NO SWITCH OPENING FOR AUX. STEERING
80	1		81161M	ELECTRONIC THROTTLE FOR ROPS CAB. USES WILLIAMS ELECTRONIC PEDAL.
90	1		A83419C	HEATER ASSY, ROPS CAB W/REVISED FAN SPEEDS
110	1		80169J	RETARD PEDAL ASSY FOR ROPS CAB. USES WILLIAMS ELECTRONIC PEDAL.
120	1		A84399A	ROPS CERT. LABEL ASSY FOR MT4400 ROPS CAB
130	1		A84563S	SEAT ASSY, OPERATOR, SEATS AIR SEATS INC. AIR RIDE SUSP SEAT W/INTEGRAL COMP. W/GRAY CLOTH UPHLSTRY & HEAD REST

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UNIT RIG

CAB MODULE, ROPS

MH341-090

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ITM	QTY	UM	COMPONENT	DESCRIPTION
140	1		A84563T	SEAT ASSY, PASSENGER SEATS SEATS INC. SEAT W/GRAY CLOTH UPHLSTRY. W/HEAD REST & NO ARM RESTS.
150	1		A84375E	SEAT BELT ASSY FOR ROPS CAB. INCLUDES BELTS WITH SHOULDER STRAPS FOR OPERATOR'S & PASSENGER SEATS. BELTS HAVE ORANGE WEBBING. FOR USE W/OPERATORS SEAT W/BUILT IN TETHERS.
160	1		81116K	SPEEDOMTR & TACH ASSY ANALOG GAUGES - 0-50 MPH W/ODOMETER 0-3500 RPM
170	1		A85196B	STEER CLMN/WHL ASSY DOUGLAS COLUMN W/16" STEERING WHEEL MODEL 929 COLUMN
180	1		A85115A	WINDSHIELD WASHER ASSY FOR ROPS CAB INCLUDES: 2 NOZZLES MTD BELOW WINDSHIELD 6 QUART BOTTLE MTD IN HYD. COMP. BOX. ACTUATED BY WIPER SWITCH
200	1		A83432B	WINDSHIELD WIPER ASSY 24 VOLT ELECTRIC ASSY FOR UNIVERSAL ROPS CAB. TWO SPEED MOTOR WITH INTERMITTENT SWITCH. MADE BY HEPWORTH.
210	1		A86319C	RADIO INSTALLATION AM/FM W/CI AM/FM W/CD PLAYER JENSEN HEAVY DUTY

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TEREX UNIT RIG

CAB MODULE, ROPS

MH341-090

MH341-100

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		A83987K	CONTROL UNIT INSTL (ENGLISH, FRENCH, GREEK & SPANISH)
11	1		A84233A	DISPLAY UNIT INSTL
12	1		83991A	ALARM ASSY INSTALL
13	1		A84726A	PRESSURE XDUCER ASSY 0-4000PSI, SMR
14	1		85722N	WIRING KIT-WEIGH SYS MT4400AC W/IGBT CONTROLS W/LOAD LIGHTS
15	1		85499H	LOAD LIGHT ASSY MT4400 W/ LED LIGHTS
20	1		A84279P	CENTRAL SERVICE ASSY MT4400 W/16V4000 ENGINE CONNECTIONS FOR: ENGINE OIL HYDRAULIC OIL (FILL ONLY) ENGINE COOLANT **NO SERVICE NOZZLES** SERVICE BOX FOR LUBE LEVEL LIGHT **RIGHT FRONT CORNER**
30	1		A84585A	JACKPAD, SKID PLT. ASSY MT4400AC OR DC
40	1		A84391A	FUEL INDICATOR ASSY FUEL FULL INDICATOR SYSTEM LOC. BY FUEL FILL STATION RIGHT FRONT CORNER MT-4400.

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UNIT RIG

ACCESSORY MODULE

SHEET 1 OF 1

MH341-100

MH341-130

ITM	QTY	UM	COMPONENT	DESCRIPTION
10 R	1		S10327	24V ELECTRICAL
20 R	1		S10327AP	SCHEMATIC, OPTIONS
30 R	1		S10495	POWER & EXE SCHEMATIC
35 R	1		S10656	WEIGH SYSTEM SCHEMTC
40 R	1		S1132	SCHEMATIC, HYDRAULIC
50 R	1		T4673	CONNECTOR INSTL
60 R	1		T4740	PARK BRAKE ADJUST. (CARLISLE) FOR CARLISLE BRAKE
70 R	1		T4831	SHIM PROCED, ENG/ALT
80 R	1		T5107	PAINT SCHEME, "TEREX COLORS"
90 R	1		T5017	NON-SLIP PAINT INSTUCTIONS
100 R	1		T5031	BRG ADJ, FRONT WHEEL
110 R	1		T5099A	N2/OIL SUSP CHG PROC. FRONT AND REAR
115 R	1		T5080B	WEIGH SYS TEST PROCDR
116 R	1		T5128BV	WEIGH SYS CONFIG DATA
120 R	1		T5054	CALIBRATION PROCEDURE FOR SPEEDO/TACH
130 R	1		T5120	ANTIFREEZE, ETHYLENE GLYCOL
160 R	1		T5094A	DUMP SYSTEM TEST PROCEDURE
170 R	1		T5095A	STEERING SYSTEM TEST PROCEDURE
180 R	1		T5096A	BRAKE SYSTEM TEST PROCEDURE
190 R	1		T5104	STEER LINKAGE SETUP
200 R	1		T5123	INSTALLATION PROCEDURES FOR SLEEVES & SPHERICAL BEARINGS
210 R	1		T5124	CHASSIS LUBE REQUIREMENTS
220 R	1		T5125	FRT WHL BRG LUBE REQUIREMENTS
230 R	1		T5126A	TEST PROCEDURE, GE AC S/S CONTENTS AND INSTRUCTIONS
231 R	1		T5126B	TEST PROCEDURE, GE AC S/S VEHICLE DATA
232 R	1		T5126C	TEST PROCEDURE, GE AC S/S EQUIPMENT LIST
233 R	1		T5126D	TEST PROCEDURE, GE AC S/S CAB SUB ASSEMBLY
234 R	1		T5126E	TEST PROCEDURE, GE AC S/S CONTROL GROUP
235 R	1		T5126F	TEST PROCEDURE, GE AC S/S POWER CIRCUIT
236 R	1		T5126G	TEST PROCEDURE, GE AC S/S BATTERY CIRCUIT
237 R	1		T5126H	TEST PROCEDURE, GE AC S/S CONTROL CIRCUIT
238 R	1		T5126J	TEST PROCEDURE, GE AC S/S CONTROL INPUT/OUTPUT
250 R	1		02-475	SPEC, STANDARD TORQUE
260 R	1		02-563	SPEC, WELD
270 R	1		02-579	SPEC-TORQUE HYDR FITT
280 R	1		949765	PROCEDURES, PAINTING (NON-SKID) FOR SAFETY PAINT

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TEREX UNIT RIG

TECHNICAL MODULE

SHEET 1 OF 1

MH341-130

MH341-150

ITM	QTY	UM	COMPONENT	DESCRIPTION
10 R	6		TIRES	TIRES (REFERENCE) CUSTOMER SUPPLIED
20	1		A84482EE	RIM ASSY, 32X57X6 TOPY 32 X 57 X 6 RIMS FOR USE W/40.00, 46/90 & 50/80R57 TIRES. FOR STEER & DRIVE AXLES MT4400AC

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UNIT RIG

TIRE & RIM MODULE

SHEET 1 OF 1

MH341-150

MH341-160

ITM	QTY	UM	COMPONENT	DESCRIPTION
10	1		A85890A	AXLE BOX W/BP (MACH) MT4400AC OR DC
20	1		83650A	BEAM-FRONT AXLE (MACH)
30	1		A85905A	FRAME BRKT ASSY, ROPS MT4400DC OR AC
40	1		A85861A	SUPERSTRUCTURE FLR PLTS & BKTS FOR MT4400 AC/DC APPLICATION. (ROPS) INCLUDES 10GA. & 3/16 DECKING. 16GA BOTTOM PLATES. BOLT-ON COVERS @ CAB MOUNTS.

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UNIT RIG

MAJOR FAB MODULE

SHEET 1 OF 1

MH341-160

MH341-170

ITM	QTY	UM	COMPONENT	DESCRIPTION	
10	1		A84263G	BODY MOUNTING ASSY MT4400. KEYED PINS. MOLDED PADS. BRONZE BUSHINGS. HARDENED KEEPER.	
20	1		A84294V	DUMP BODY ASSY VOLUMES ARE (YD3): 2:1 (SAE) = 216 STRUCK (SAE)=171 2:1(WORKING)=184 ********** THICKNESSES: FLOOR =3/4 02-578 FRONT =1/2 02-578 SIDES =3/8 02-578 CANOPY=1/4 02-578 ********** EQUIPPED TO ACCEPT BODY HEAT OPTION. HAS 99" "V" POINT LOCATION. ********** EXTENDED LENGTH CANOPY 282" EFFECTIVE WIDTH	
40	1		84410A	DUMP BODY GUIDE ASSY MT4400	
50	1		A85898G	DUMP BODY LOCKUP ASSY MT4400 A/C WITH 315" FLOOR RAISED TO 40 DEGREES. WITH 330" FLOOR RAISED TO 43 DEGREES.	
60	1		84033A	DUMP BODY MANUF. ASSY REQ'D FOR CENTER SPLIT BODY.	
65	1		85227C	KIT-DUMP BODY BOLTS (30) 8" LONG BOLTS	
70	.33		83852E	KIT-DUMP BODY ERECTION MT4400 INCLUDES SIDE PLATE & PIVOT SPACERS, AND PIVOT ALIGNMENT PIPE TO JOIN 2 PIECE BODY. (ONE REQ'D PER ORDER)	
80	15	GL	56300F	PAINT, LH (CORP WHITE) LOW HAPS. 141-123 COLOR SPEC: RAL 1013.	NO DWG
90	15	GL	56300C	PAINT, LH PRIMER(GRAY) LOW HAPS. 492-55	NO DWG

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UNIT RIG

DUMP BODY MODULE

MH341-170

ITM	QTY	UM	COMPONENT	DESCRIPTION
100	1		A84735F	ROCK DEFLECTOR ASSEMBLY 8" WIDE X 72" LONG DEFL. BOTH SIDES. FOR EXTENDED LENGTH CANOPY.
110	1		84745C	ROCK DEFLECTOR-REAR ASSY FOR MT4400 W/CONV. BODY. INCREASES BODY WIDTH 8"/SIDE FOR USE W/SIDE HEIGHT 102" AND HIGHER. W/330"LG FLOOR OR ALL W/315"LG FLOOR
120	1		A85589C	ROCK EJECTOR ASSY (MH) MT4400 CHAIN TYPE
160 R	1		NMH341-170	MODULE NOTES (NO DWG) ROCK EJECTOR CENTERLINES 101.94" FROM BODY CENTER.

MH341-170

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DUMP BODY MODULE

MH341-170

MH341-190

ITM	QTY	UM	COMPONENT	DESCRIPTION
20	1		82681F	KIT, CHARGING NITROGEN FOR CHARGING OF ACCUMULATORS & SUSP. S W/NITROGEN. FITTINGS FOR STDGAS VALVES, STAUFF TEST PORTS, & SMR SUSPS.
30	1		82681A	KIT, SUSPENSION OIL CHRG. NOTE: THIS KIT REQ'D TO FILL N2/OIL SUSPNS WITH HYDRAULIC OIL.
50	1		916362	O-RING KIT-HYDRAULIC
55	2		86095C	OIL, SANDEN COMPRESSOR PAG OIL FORMULATED FOR USE IN SANDEN COMPRESSORS.
60	1		86773A	SOFTWARE, WPTU TOOLBOX VER 4.0 VER 4.0 FOR AC & DC SYSTEMS DISTRIBUTED BY SERVICE DEPARTMENT
61	1		A86828T	SOFTWARE, WAC CFG STOCK MH341-343 DISTRIBUTED BY SERVICE DEPARTMENT
70	1		86050A	WEIGH SYSTEM PROGRAM WINDOWS VERSION DISTRIBUTED BY SERVICE DEPARTMENT
71	1		A84677A	ACCESS DB TEMPLATE

QUANTITY (1) TOOL & FIXTURE MODULE IS TO BE SHIPPED WITH THE FIRST TRUCK ONLY.
TOOL & FIXTURE MODULE

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UNIT RIG

TOOL & FIXTURE MODULE

SHEET 1 OF 1
MH341-190

SECTION 12 - SERVICE PARTS

DESCRIPTION	DRAWING NUMBER
1 Gallon Accumulator	57423
15 Gallon Accumulator, Piston	55506
2 Injector Lubrication Assembly	19646
2-1/2" Straight Expander Pin Assembly	56998
3 Injector Lubrication Assembly	23884
4 Injector Lubrication Assembly	18744
AC Wheelmotor 5GEB25A1	85791A
Accumulator, Piston 15 Gallon	55506
Accumulator-1 Gallon	57423
Air Cleaner Assembly	55397
Alternator	55047
Alternator, Traction 5GTA41C1	85788A
Amber Clearance Light - LED	56099
Back-Up/Flood Light Assembly	52741
Battery Box	80497T
Bent Windshield Glass	84181A
Blower	2003450
Body Lock-up Cable	55088
Brake Caliper Assembly, Front	55890
Brake Caliper Assembly, Rear	56412
Brake Head Assembly, Park	53455
Brake Manifold Assembly	85605C
Brake Valve Assembly	56417
Brake Valve Assembly	83954K
Butterfly Valve	28829
Cable Controller	55613
Cable, Body Lock-up	55088
Caliper Assembly, Front Brake	55890
Caliper Assembly, Rear Brake	56412
Cartridge - Solenoid Valve	56178
Cartridge Flow Control Valve	56389
Cartridge Valve - Plug	56602
Cartridge Valve, Check	55915
Cartridge Valve, Relief	55914
Cartridge Valve, Solenoid	55918
Cartridge Valve, Solenoid	55984
Cartridge Valve, Solenoid	56081
Cartridge, Check Valve	55644
Cartridge, Check Valve	55647
Cartridge, Check Valve	55657
Cartridge, Needle Valve	56371

SECTION 12 - SERVICE PARTS

DESCRIPTION	DRAWING NUMBER
Center Dash Configuration	83553B
Check Cartridge Valve	55915
Check Valve Cartridge	55644
Check Valve Cartridge	55647
Check Valve Cartridge	55657
Clamp Assembly, Support	84211B
Clamp Assembly, Support	84211C
Clamp Assembly, Support	84211E
Clamp Assembly, Support	84211F
Clamp Assembly, Support	84211G
Clamp Assembly, Support	84211H
Clamp Assembly, Support	84211J
Clamp Assembly, Support	84211K
Clamp Assembly, Support	84211M
Clamp Assembly, Support	84211N
Clamp Assembly, Support	84211P
Clamp Assembly, Support	84211X
Clearance Light - LED Amber	56099
Clearance Light - LED Red	56100
Column Assembly, Steering	56346
Column, Steering	83456B
Compressor - R134A	55874
Contactor 41A296327ALP2	2003458
Contactor with Interlock	51933
Contactor without Sensor	52734
Control Panel with Cards	2005194
Control Valve - Flow, Cartridge	56389
Control/Power Group, IGBT	85789G
Controller, Cable	55613
Cylinder, Hydraulic	80052E
Cylinder, Steering	84092K
Dash Configuration, Center	83553B
Dash Panel, Right Hand	83553U
Delay Switch - Wiper, w/Wash Button	53238
Diesel Engine 16V4000	84942Y
Door Assembly, Left Hand	85081C
Door Assembly, Right Hand	85081E
Door Fixed Glass	84736A
Door Glass, Sliding	84736E
Door Slider Window, Left Hand	84568C
Door Slider Window, Right Hand	84568E

SECTION 12 - SERVICE PARTS

DESCRIPTION	DRAWING NUMBER
Drive Shaft Assembly, Pump	84202J
Dryer, Receiver	1009442
Dump Valve Assembly	55565
Electric Starter	2005190
Electronic Pedal	56153
Electronic Pedal Assembly	53490
Electronic Throttle	83461B
Engine, Diesel 16V4000	84942Y
Expander Pin Assembly, Straight 2-1/2"	56998
Filter, Hyd High Press	28826
Filter, Hydraulic Pressure	55585
Filter, Spin On	55893
Flood/Back-Up Light Assembly	52741
Flow Control Valve, Cartridge	56389
Front Brake Caliper Assembly	55890
Front Suspension	57110
Fuel Gauge	83484C
Fuel Transmitter	55584
Gauge, Fuel	83484C
Gauge, Oil Pressure	83486B
Gauge, Speedometer (KPH)(24 Vdc, w/Odometer)	83378B
Gauge, Tachometer (For mag pick-up, Statex III)	83378H
Gauge, Voltmeter	83484A
Gauge, Water Temperature	83485A
Glass - Fixed, Door	84736A
Glass, Bent Windshield	84181A
Glass, Door Sliding	84736E
Glass, Rear	84572B
Grease Pump, Hydraulic - Rotary Driven	56618
Grid Group, Retarding	85790B
Head Assembly, Park Brake	53455
HID Headlight-Hi Beam	57187
HID Headlight-Lo Beam	57188
Hydraulic Cylinder	80052E
Hydraulic Grease Pump, Rotary Driven	56618
Hydraulic Motor	2002865
Hydraulic Pressure Filter	55585
IGBT Control/Power Group	85789G
Indicator Light	83340A
Indicator Light	83340B
Key Lock Switch	27647

SECTION 12 - SERVICE PARTS

DESCRIPTION	DRAWING NUMBER
Kit-Engine Prelube	57044
LED Amber Clearance Light	56099
LED Red Clearance Light	56100
Left Hand Door Assembly	85081C
Left Hand Door Slider Window	84568C
Lever Switch	56265
Light Assembly, Flood/Back-Up	52741
Light, Clearance - LED Amber	56099
Light, Clearance - LED Red	56100
Light, Indicator	83340A
Light, Indicator	83340B
Lighted Selector Switch	57034
Lock-up Cable, Body	55088
Lubrication Assembly, Four Injector	18744
Lubrication Assembly, Three Injector	23884
Lubrication Assembly, Two Injector	19646
Manifold Assembly, Brake	85605C
Manifold Assembly, Steering	84635B
Momentary Switch	55426
Motor - Hydraulic	2002865
Needle Valve Cartridge	56371
Oil Pressure Gauge	83486B
Panel - Control with Cards	2005194
Panel 17FM689A1	2003467
Panel 41C663955ABG1	2004040
Panel, Dash Right Hand	83553U
Park Brake Head Assembly	53455
Park Brake Solenoid Valve 24 VDC	57060
Pedal Assembly, Electronic	53490
Pedal, Electronic	56153
Pilot Control Valve	55561
Plate, Switch Mounting	83553J
Plug, Cartridge Valve	56602
Position Sensor	916124
Power/Control Group, IGBT	85789G
Pressure Gauge, Oil	83486B
Pressure Regulator	56603
Pump Drive Shaft Assembly	84202J
Pump, Hydraulic Grease Pump - Rotary Driven	56618
Pump, Steering	55507
Pump, Tandem Gear	56090

SECTION 12 - SERVICE PARTS

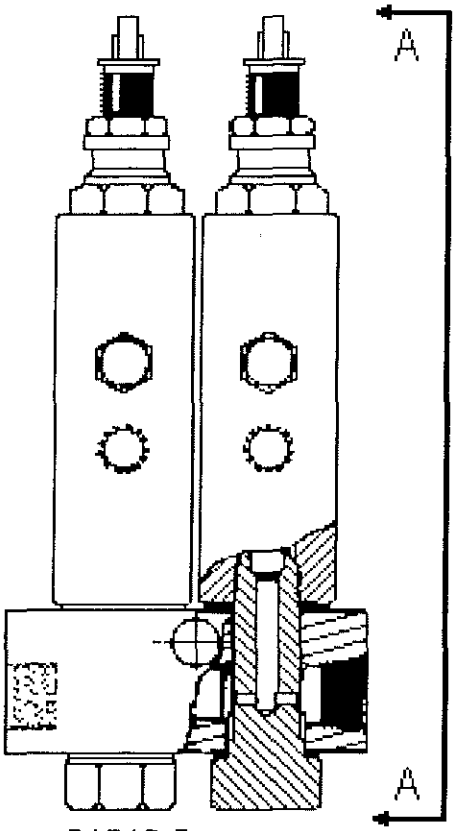
DESCRIPTION	DRAWING NUMBER
Pushbutton Switch	53904
Radiator Assembly	84909P
Rear Brake Caliper Assembly	56412
Rear Glass	84572B
Rear Suspension	55896
Receiver Dryer	1009442
Red Clearance Light - LED	56100
Regulator, Pressure	56603
Relay	16831
Relief Cartridge Valve	55914
Relief Valve, Pilot	1004472
Retarding Grid Group	85790B
Right Hand Door Assembly	85081E
Right Hand Door Slider Window	84568E
Rotary Driven Hydraulic Grease Pump	56618
Selector Switch (Lighted)	57034
Selector Switch Assembly	20379
Shaft Assembly, Pump Drive	84202J
Shuttle Valve	56152
Solenoid Cartridge Valve	55918
Solenoid Cartridge Valve	55984
Solenoid Cartridge Valve	56081
Solenoid Cartridge Valve	56178
Solenoid Valve, Park Brake 24 VDC	57060
Speedometer Gauge (KPH)(24 Vdc, w/Odometer)	83378B
Spin On Filter	55893
Starter - Electric	2005190
Steering Column	83456B
Steering Column Assembly	56346
Steering Column Turn Signal Kit	2001993
Steering Column U-Joint Kit	2001996
Steering Column Upper/Lower Cover Kit	2001994
Steering Column Wire Harness Kit	2001995
Steering Cylinder	84092K
Steering Flow Amplifier Valve	55450
Steering Manifold Assembly	84635B
Steering Pump	55507
Steering Valve Assembly	55445
Straight Expander Pin Assembly, 2-1/2"	56998
Support Clamp Assembly	84211B
Support Clamp Assembly	84211C

SECTION 12 - SERVICE PARTS

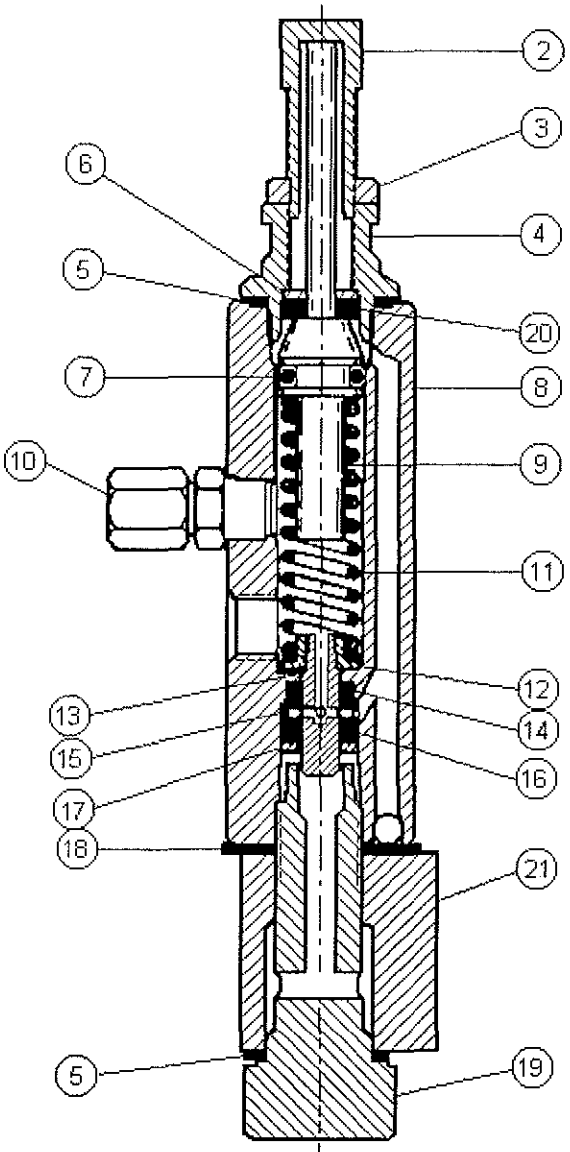
DESCRIPTION	DRAWING NUMBER
Support Clamp Assembly	84211E
Support Clamp Assembly	84211F
Support Clamp Assembly	84211G
Support Clamp Assembly	84211H
Support Clamp Assembly	84211J
Support Clamp Assembly	84211K
Support Clamp Assembly	84211M
Support Clamp Assembly	84211N
Support Clamp Assembly	84211P
Support Clamp Assembly	84211X
Suspension, Front	57110
Suspension, Rear	55896
Switch - Wiper Delay, w/Wash Button	53238
Switch Assembly, Selector	20379
Switch Mounting Plate	83553J
Switch, Key Lock	27647
Switch, Lever	56265
Switch, Momentary	55426
Switch, Pushbutton	53904
Switch, Selector (Lighted)	57034
Tachometer Gauge (For mag pick-up, Statex III)	83378H
Tandem Gear Pump	56090
Temperature Gauge, Water	83485A
Thermostatic Valve	56323
Throttle, Electronic	83461B
Traction Alternator 5GTA41C1	85788A
Transmitter, Fuel	55584
Turn Signal Kit - Steering Column	2001993
U-Joint Kit - Steering Column	2001996
Upper/Lower Cover Kit - Steering Column	2001994
Valve - Plug, Cartridge	56602
Valve - Solenoid Cartridge	56178
Valve Assembly, Brake	56417
Valve Assembly, Brake	83954K
Valve Assembly, Dump	55565
Valve Assembly, Steering	55445
Valve Cartridge, Check	55644
Valve Cartridge, Check	55647
Valve Cartridge, Check	55657
Valve Cartridge, Needle	56371
Valve Kit, Vent	55563

SECTION 12 - SERVICE PARTS

DESCRIPTION	DRAWING NUMBER
Valve Stem, 16" Long	56778
Valve Stem, 21-3/4" Long	52970
Valve Stem, 66-1/2" Long	56779
Valve, Butterfly	28829
Valve, Cartridge Flow Control	56389
Valve, Check Cartridge	55915
Valve, Park Brake Solenoid 24 VDC	57060
Valve, Pilot Control	55561
Valve, Relief Cartridge	55914
Valve, Shuttle	56152
Valve, Solenoid Cartridge	55918
Valve, Solenoid Cartridge	55984
Valve, Solenoid Cartridge	56081
Valve, Steering Flow Amplifier	55450
Valve, Thermostatic	56323
Vent Valve Kit	55563
Voltmeter Gauge	83484A
Water Temperature Gauge	83485A
Wheelmotor - AC, 5GEB25A1	85791A
Window - Slider, Left Hand Door	84568C
Window - Slider, Right Hand Door	84568E
Windshield Glass, Bent	84181A
Wiper Delay Switch w/Wash Button	53238
Wiper Drive Assembly	56460
Wire Harness Kit - Steering Column	2001995



61013-2

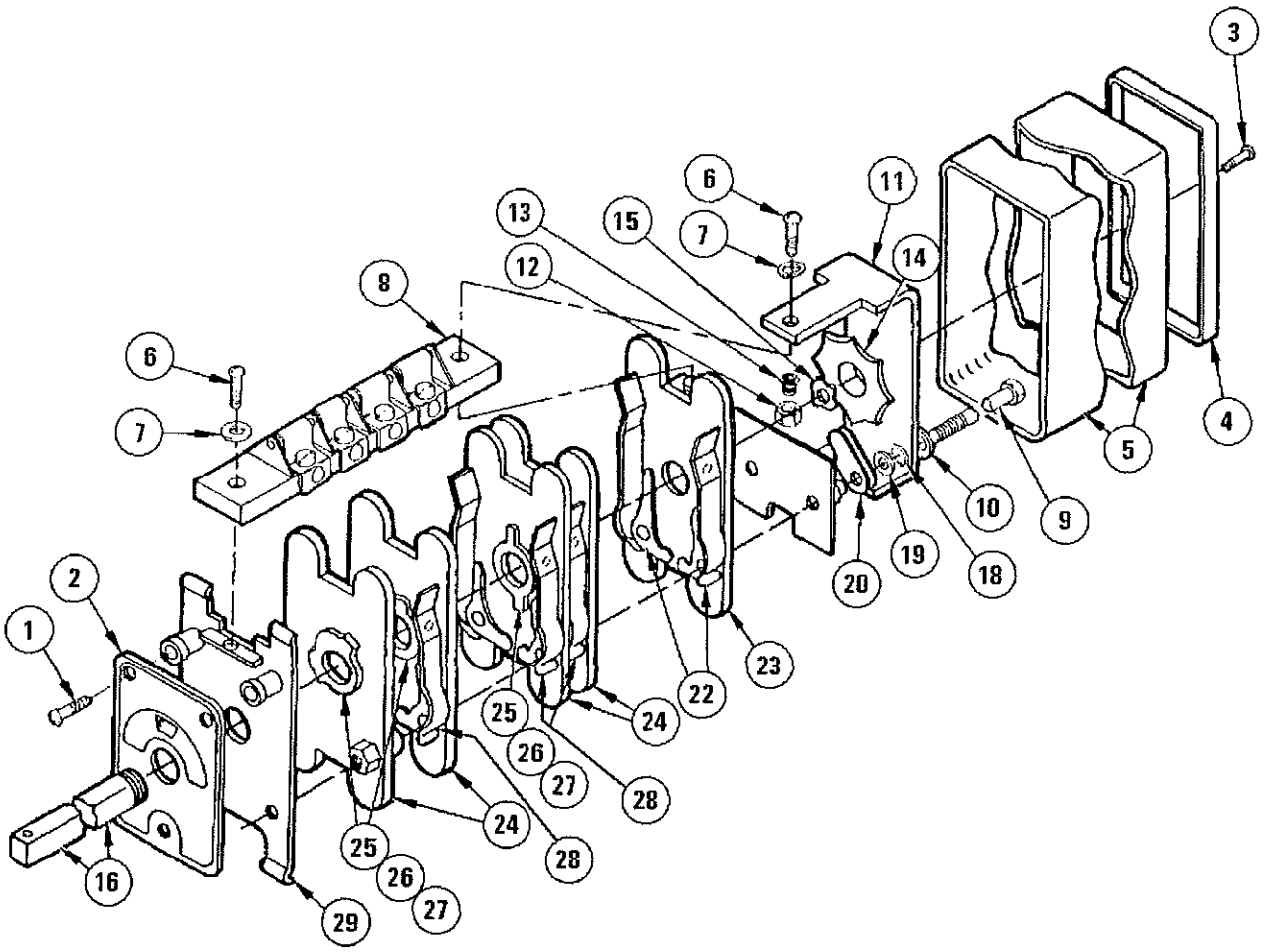


61013

VIEW "A"

TEREX | UNIT RIG **SERVICE PARTS**	LUBRICATION ASSEMBLY, TWO INJECTOR	19646 03/15/2007 | SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001	1028469	Injector Assembly	2	
002	1013506	. Adjusting Screw	1	
003	1013507	. Locknut	1	
004		. Piston Stop Plug	1	
005		. Gasket	2	K01
006		. Washer	1	K01
007		. Viton O-Ring	1	K01, K02
008		. Injector Body Assembly	1	
009		. Piston Assembly	1	K01
010	1004509	. Fitting Assembly	1	
011		. Plunger Spring	1	K01
012		. Spring Seat	1	K01
013		. Plunger	1	K01
014		. Viton Packing	1	K01, K02
015		. Inlet Disc	1	K01
016		. Viton Packing	1	K01, K02
017		. Washer	1	K01
018	1020255	. Gasket	1	
019		. Adapter Bolt	1	
020		. Viton Packing	1	K01, K02
021	2006434	. Manifold - Two Injector	1	
K01	916237	Kit, Injector Repair	2	
K02	916238	Kit, Soft Parts	2	



UNIT RIG
TEREX MINING
SERVICE PARTS

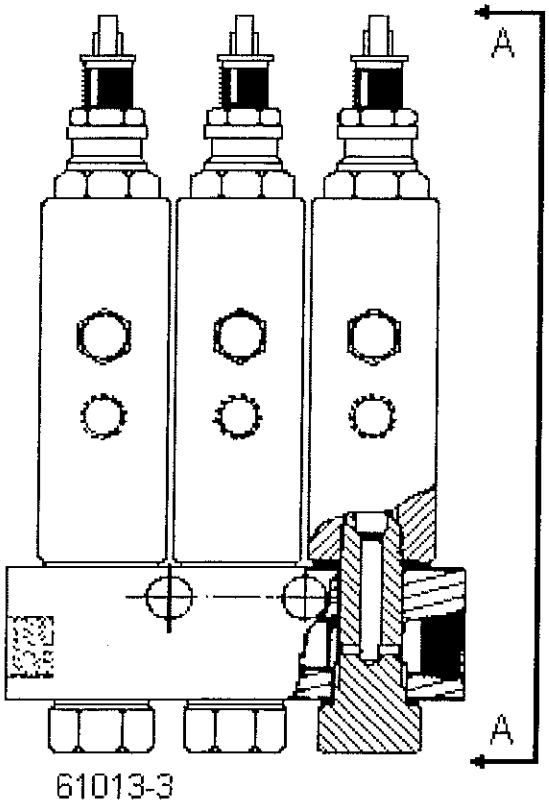
SELECTOR SWITCH ASSEMBLY

20379

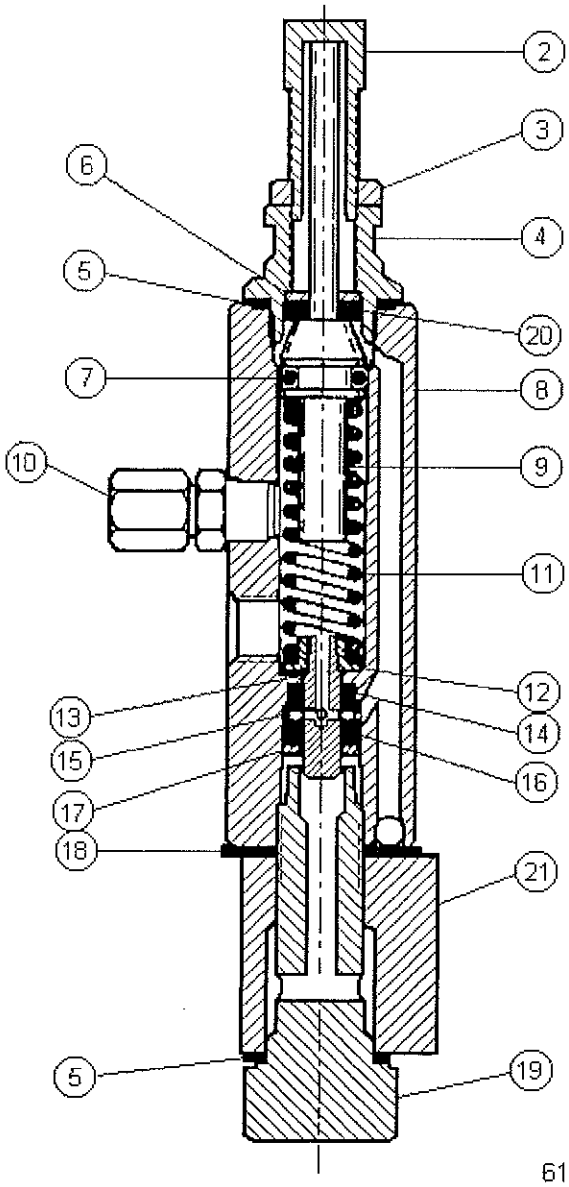
06/28/1995

SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		. SCREW	3	
002		. ESCUTCHEON	1	
003		. SCREW, COVER RETAINING	1	
004		. COVER, END	1	
005		. COVER, SIDE	1	
006		. SCREW	2	
007		. WASHER, LOCK	2	
008		. CONTACTS & SUPPORT ASSY FIXED	1	
009		. BOLT, TIE	2	
010		. WASHER, LOCK	2	
011		. FRAME	1	
012		. NUT, ADJUSTING	1	
013	900614	. SPRING, IDENT	1	
014		. WHEEL, IDENT	1	
015		. WASHER, SPRING	1	
016		. SHAFT	1	
017		. ROLLER ARM & ROLLER ASSEMBLY	1	
018		. . RING, SNAP	1	
019		. . WASHER, FLAT	1	
020		. . ROLLER, ARM	1	
021		. REAR SUPPORT, BARRIER/CONTACT	1	
022	701144	. . CONTACTS	2	
023	901265	. . BARRIER	1	
024		. INTERMEDIATE BARRIER/CONTACTS	4	
025		. . CAM "A"	1	
026		. . CAM "B"	1	
027		. . CAM "C"	1	
028	701144	. . CONTACTS	2	
029		. SUPPORT, FRONT	1	



61013-3



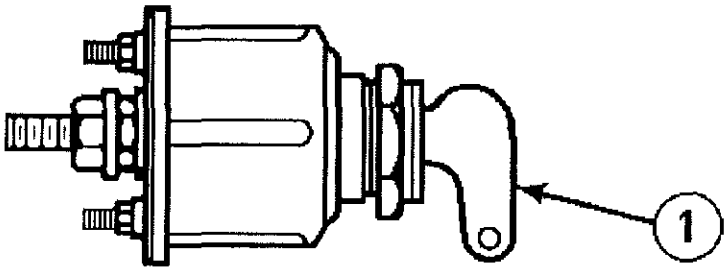
61013

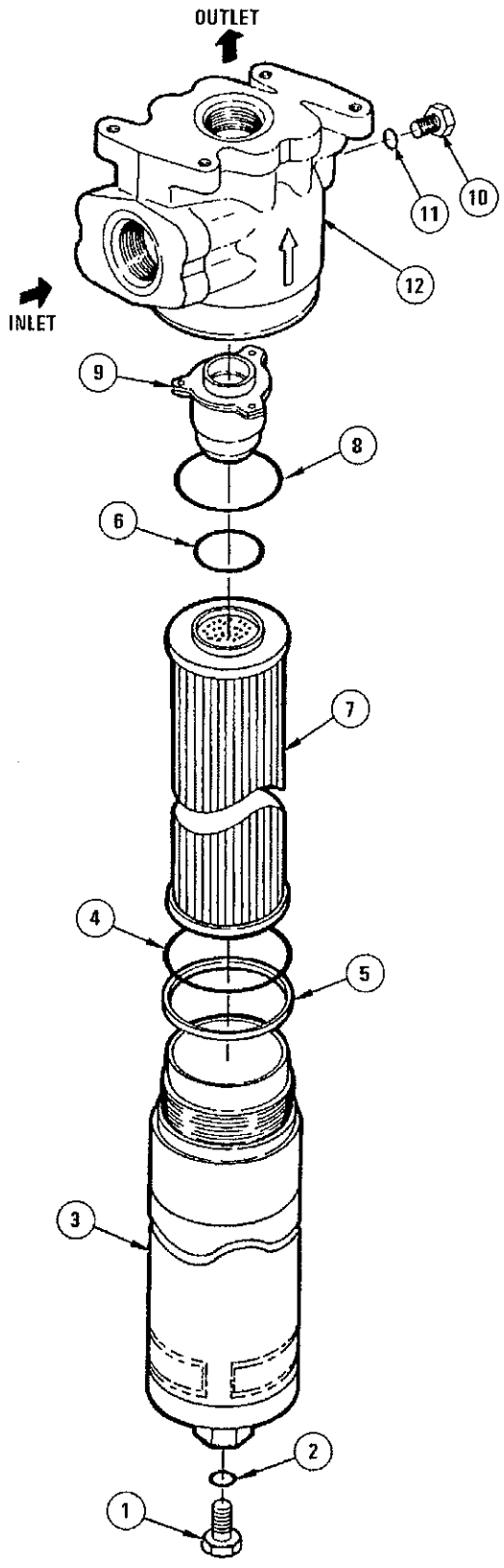
VIEW "A"

TEREX | UNIT RIG **SERVICE PARTS**	LUBRICATION ASSEMBLY, THREE INJECTOR	23884	
		09/12/2007	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001	1028469	Injector Assembly	3	
002	1013506	. Adjusting Screw	1	
003	1013507	. Locknut	1	
004		. Piston Stop Plug	1	
005		. Gasket	2	K01
006		. Washer	1	K01
007		. Viton O-Ring	1	K01, K02
008		. Injector Body Assembly	1	
009		. Piston Assembly	1	K01
010	1004509	. Fitting Assembly	1	
011		. Plunger Spring	1	K01
012		. Spring Seat	1	K01
013		. Plunger	1	K01
014		. Viton Packing	1	K01, K02
015		. Inlet Disc	1	K01
016		. Viton Packing	1	K01, K02
017		. Washer	1	K01
018	1020255	. Gasket	1	
019		. Adapter Bolt	1	
020		. Viton Packing	1	K01, K02
021	2006435	. Manifold - Two Injector	1	
K01	916237	Kit, Injector Repair	3	
K02	916238	Kit, Soft Parts	3	

Item	P/N	Part Description	Qty	Kits
001	915582	KEY	1	

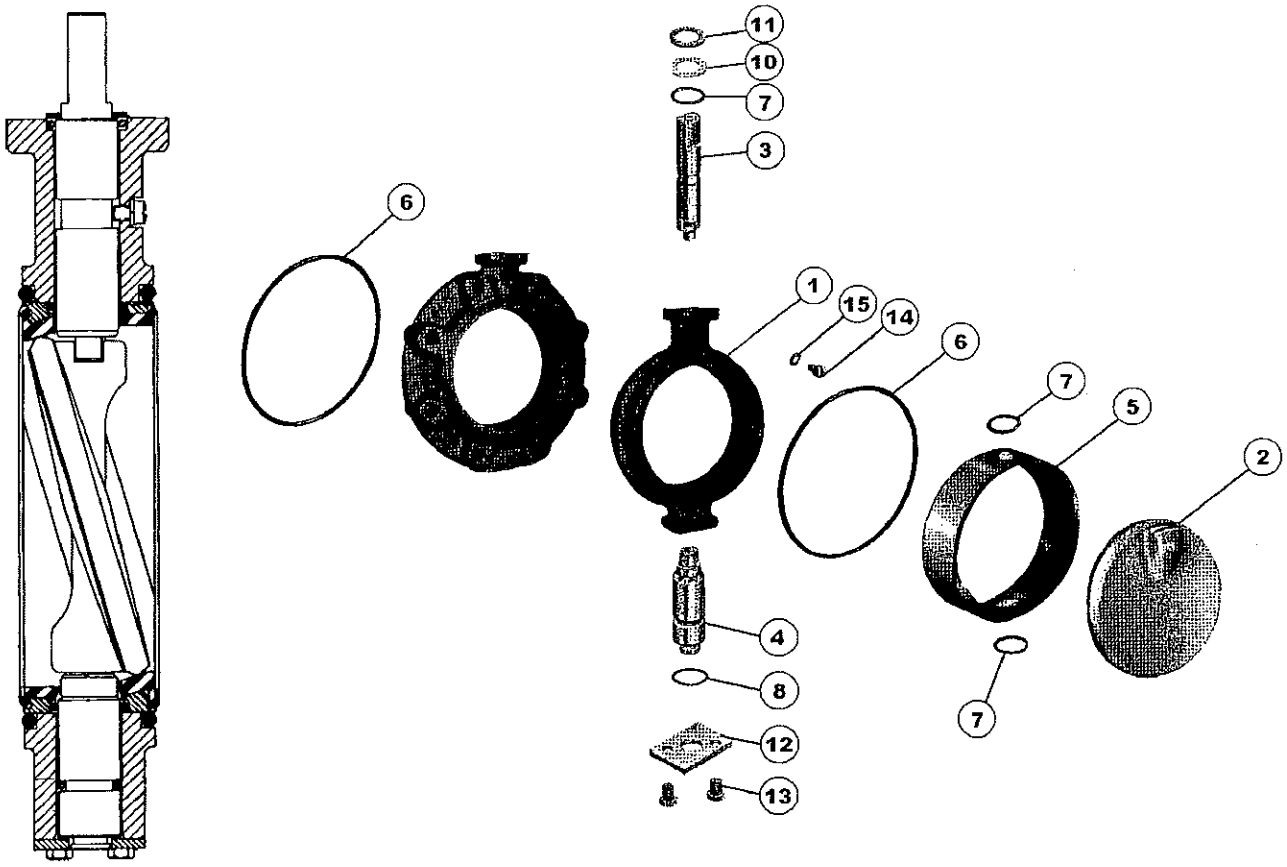




TEREX | UNIT RIG SERVICE PARTS	HYDRAULIC FILTER ASSEMBLY	28826	
		02/07/2007	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		Bleed Plug	1	
002		O-Ring	1	K01
003	2006004	Bowl Assembly	1	
004		O-Ring	1	K01
005		Back-up Ring	1	K01
006		O-Ring	1	K01
007		Filter Element	1	K01
008		Retaining Ring	1	K01
009		By-pass Valve Assembly	1	
010		Bleed Plug	1	
011		O-Ring	1	K01
012		Filter Head Assembly	1	
K01	914002	Filter Kit	1	

Item	P/N	Part Description	Qty	Kits
001		Body	1	
002		Disc	1	
003		Shaft, Handle	1	
004		Shaft, Bottom	1	
005		Seat	1	K01
006		O-ring, Body	2	K01
007		O-rings, Seat/Shaft	4	K01
008		O-ring, Bottom Shaft	1	K01
009		Part Not Used	1	
010		Thrust Washer, Stainless Steel	1	K01
011		Thrust Washer, Teflon	1	K01
012		Plate, Bottom	1	
013		Capscrew	2	
014		Capscrew	1	
015		Lockwasher	1	
K01	916406	Kit, Seal	1	



UNIT RIG
TEREX MINING
SERVICE PARTS

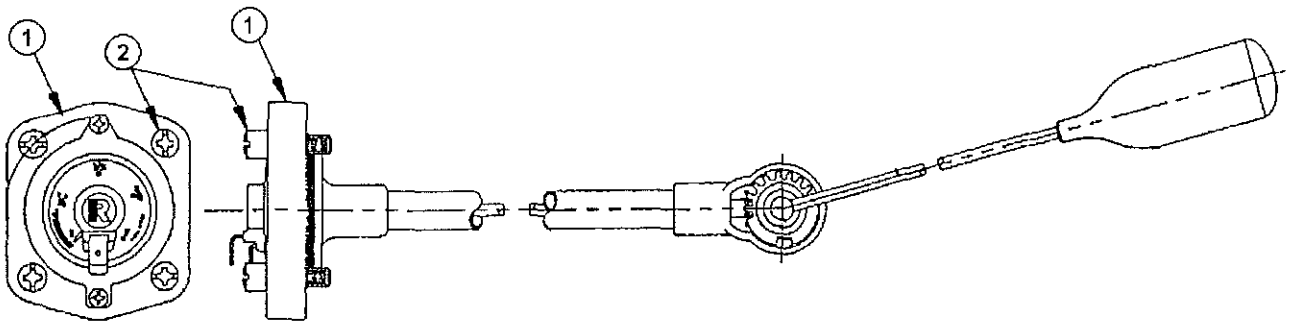
BUTTERFLY VALVE

28829

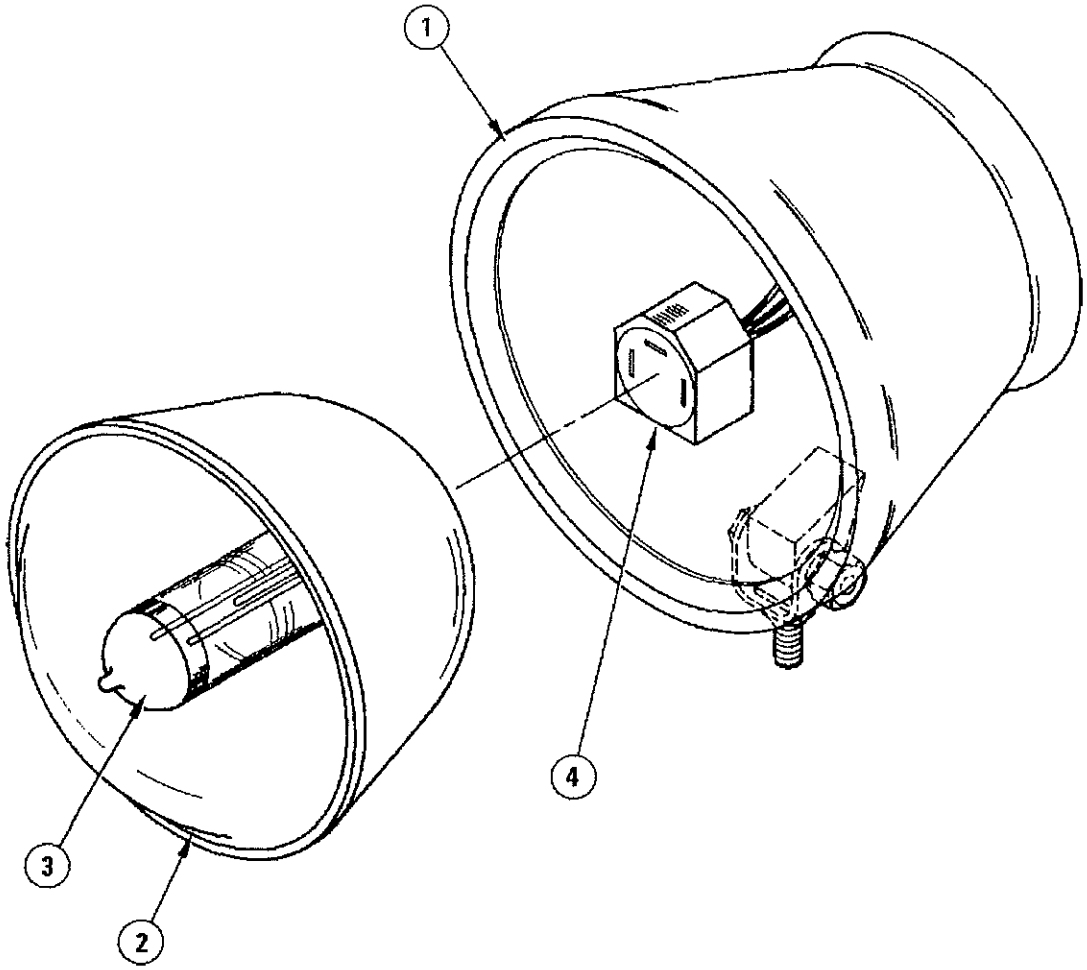
01/14/2003

SHEET 1 OF 1

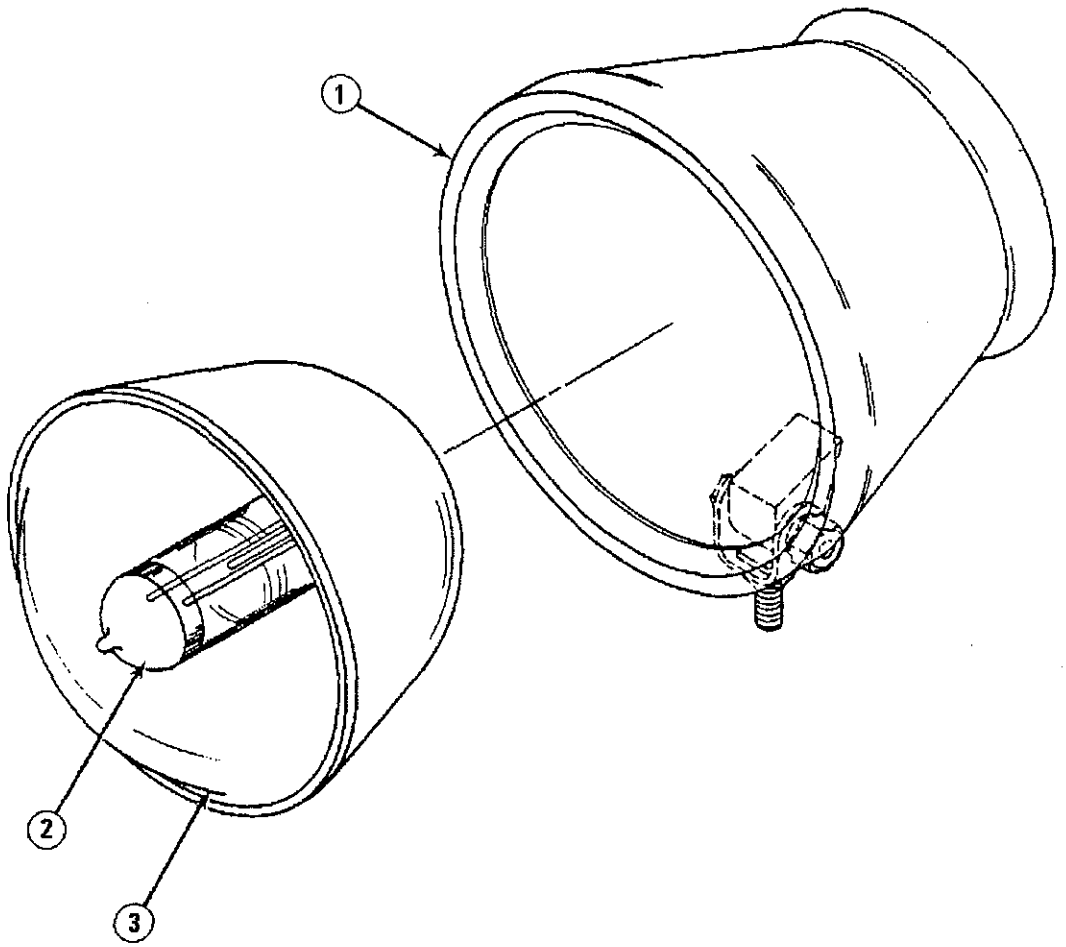
Item	P/N	Part Description	Qty	Kits
001	23270	TRANSMITTER DIAL	1	
002		DIAL SCREWS	4	



Item	P/N	Part Description	Qty	Kits
001		RUBBER HOUSING	1	
002	2001206	LIGHT UNIT (REFLECTOR)	1	
003	28342	BULB (QUARTZ IODINE)	1	
004	1002346	CONNECTOR - 12 INCH	1	



Item	P/N	Part Description	Qty	Kits
001		RUBBER HOUSING	1	
002	52933	HALOGEN BULB	1	
003	2000255	FLOOD LAMP WITHOUT BULB	1	



UNIT RIG
TEREX MINING
SERVICE PARTS

FLOOD/BACK-UP
LIGHT ASSEMBLY

52741

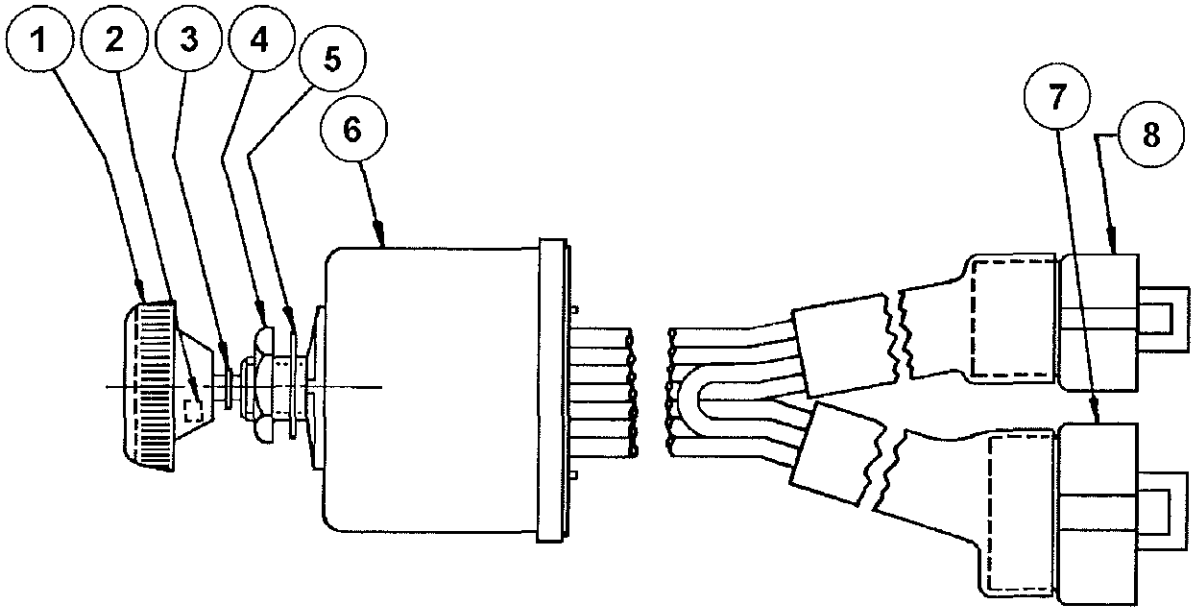
06/28/1995

SHEET 1 OF 1

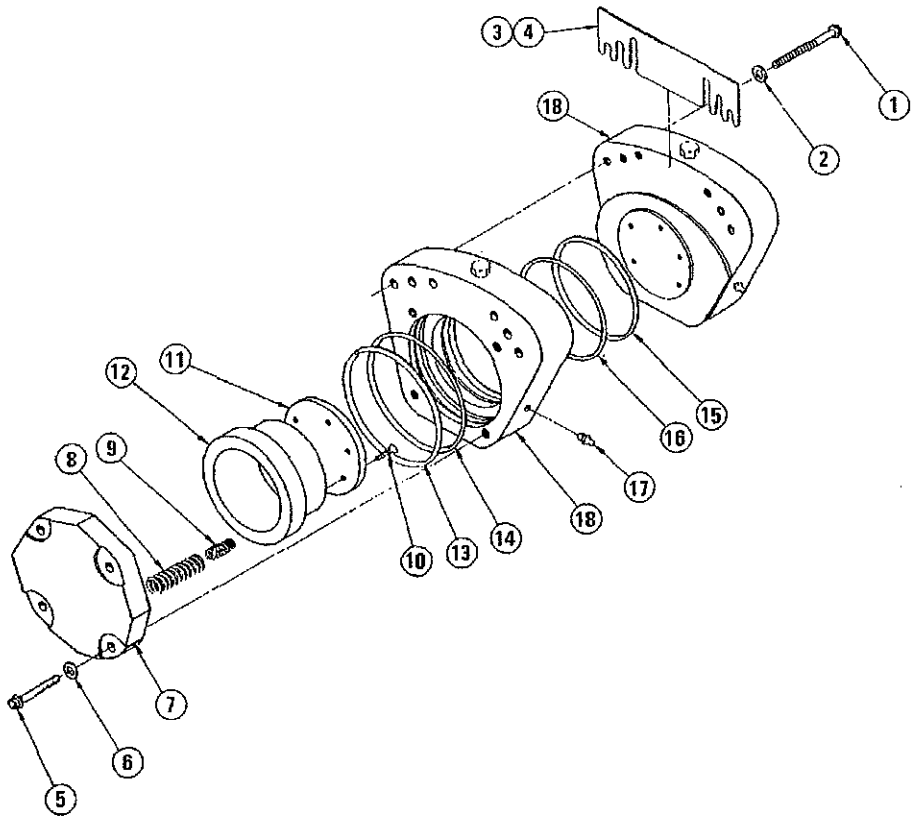
Item	P/N	Part Description	Qty.	Kits
001	2002959	Core, Valve Stem	1	
002	2003937	Cap, Valve	1	

TEREX|UNIT RIG SERVICE PARTS	VALVE STEM ASSEMBLY 21-3/4" LONG	52970	
		03/03/2006	SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
001	2004932	Knob, Windshield Wiper Switch	1	
002		Set Screw	1	
003		Ring, Retaining	1	
004		Nut, Hex	1	
005		Lockwasher	1	
006		Switch	1	
007		Connector (4 Terminal)	1	
008		Connector (6 Terminal)	1	



Item	P/N	Part Description	Qty	Kits
001		MOUNTING SCREW (NOT INCLUDED WITH CALIPER)	6	
002	915726	HARDENED FLATWASHER	6	
003		SHIM	1	K02
004		SHIM	1	K02, K03
005	702682	12 POINT FLANGE SCREW	8	K04
006	915731	FLATWASHER	8	K04
007	915732	PISTON CAP	2	K04
008	915734	COMPRESSION SPRING	14	K04
009	915733	SPRING	14	K04
010	915729	FLAT HEAD CAPSCREW	14	K04
011	915730	CARRIER & LINING ASSEMBLY	2	K04
012	915735	PISTON	2	K04
013		BACK-UP RING	2	K01, K04
014		PREFORMED PACKING	2	K01, K04
015		BACK-UP RING	2	K01, K04
016		PREFORMED PACKING	2	K01, K04
017	913151	BLEEDER VALVE	2	K04
018	915736	HOUSING, PISTON	2	K04
K01	915738	SEAL KIT	1	
K02	914068	PARK BRAKE SHIM KIT	1	
K03	915739	PARK BRAKE SHIM KIT	1	
K04	915727	PISTON & HOUSING ASSY. OUTBOARD	2	



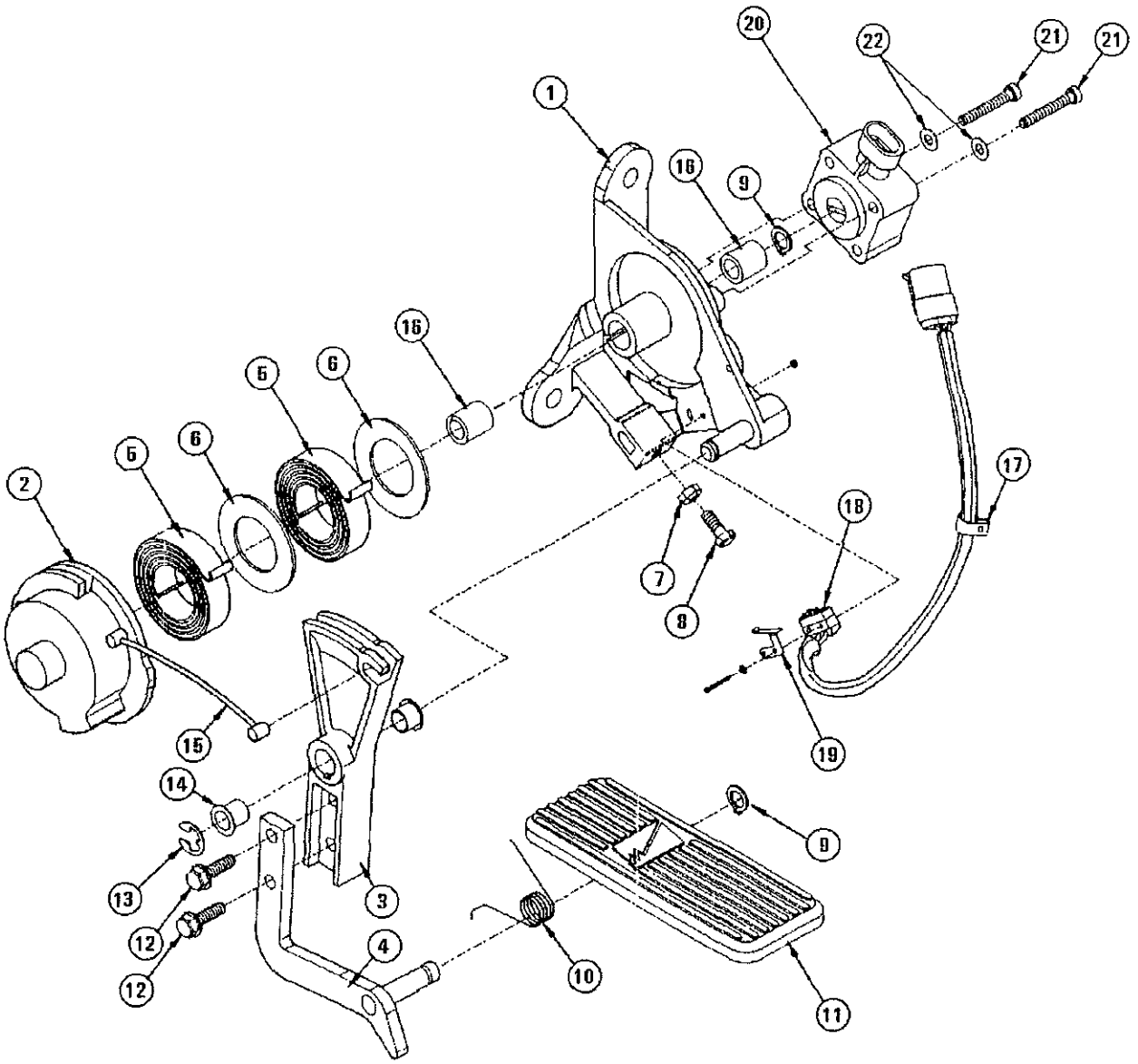
UNIT RIG
TEREX MINING
SERVICE PARTS

PARK BRAKE HEAD ASSEMBLY

53455

01/22/2003

SHEET 1 OF 1



UNIT RIG
TEREX MINING
SERVICE PARTS

ELECTRONIC PEDAL ASSEMBLY

53490

06/06/2000

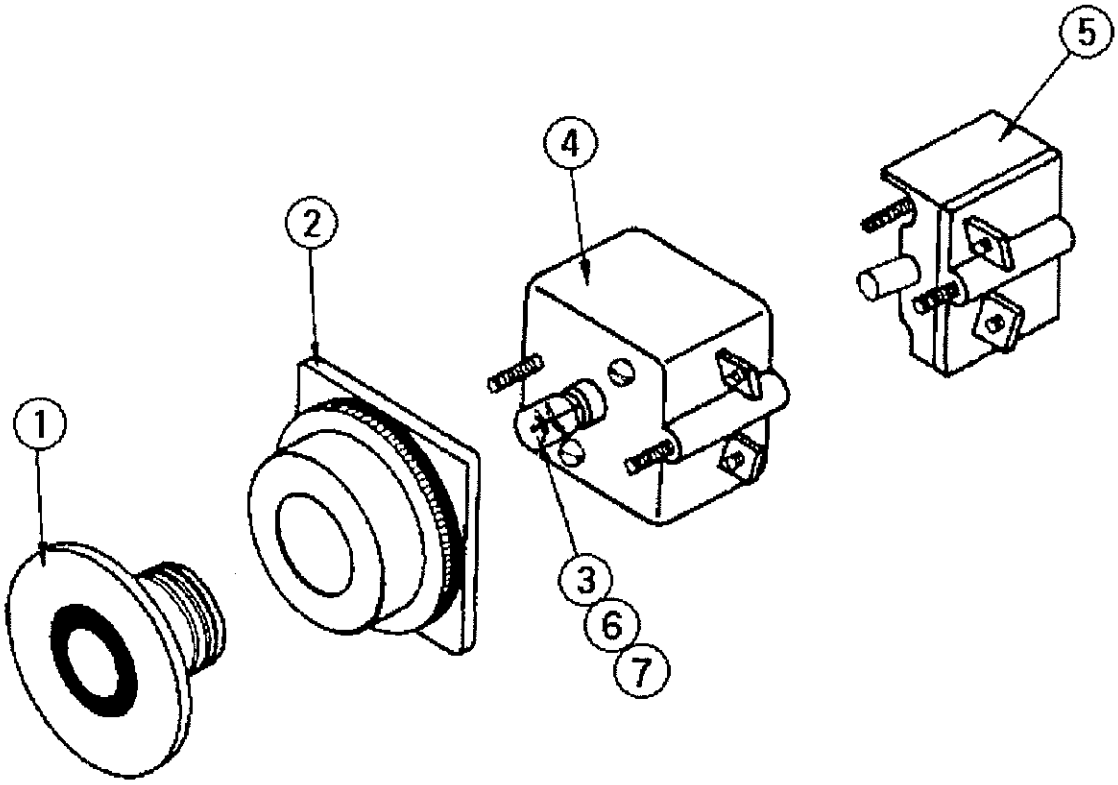
SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		BASE BRACKET	1	K01
002		SPOOL ASSEMBLY	1	K01
003	2000982	PIVOT ARM	1	K01
004	2000983	PEDAL ARM ASSEMBLY	1	
005		PEDAL RETURN SPRING	2	K01
006		SPOOL WASHER	2	K01
007	10124	NUT (1/4-20)	1	K01
008	12315	CAPSCREW 1/4-20 X 1 1/4	1	K01
009		RETAINER RING	2	
010	53911	PEDAL RETURN SPRING	1	
011	53910	SUSPENDED PEDAL	1	
012	10001	CAPSCREW 1/4-20 X 3/4	2	
013	916241	E-RING	1	K01
014	916240	NYLINER	2	K01
015	2000306	THROTTLE CABLE	1	K01
016	2000308	NEEDLE BEARING	2	K01
017		CLAMP	1	K01
018	2000307	SWITCH ASSEMBLY	1	K01
019	2000374	ATTACHMENT LEVER	1	K01
020	2000309	SENSOR	1	K01,K02
021	52339	PAN HEAD MACHINE SCREW 10-32	2	K01,K02
022	22048	WASHER (SIZE 10)	2	K01
K01	56157	PEDAL, ELECTRONIC	1	
K02	2000309	KIT, SENSOR	1	

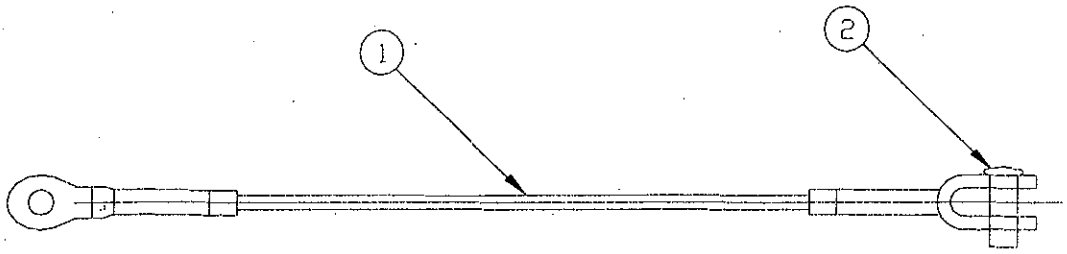
Item	P/N	Part Description	Qty	Kits
001	2001392	LENS (AMBER)	1	
002	2001579	OPERATOR	1	
003	52542	LAMP	1	
004	2001582	LIGHT MODULE	1	
005	2001585	CONTACT BLOCK	1	
006	916421	LED LAMP, YELLOW	1	
007	916423	LED LAMP, YELLOW	1	
008	916422	TOOL, LAMP REMOVAL	1	

NOTE: Items 6 and 7 are LED replacement lamps available at increased prices.

NOTE: Lamp removal tool, Item 8, not shown. It is not included with a light or switch, but is available separately.

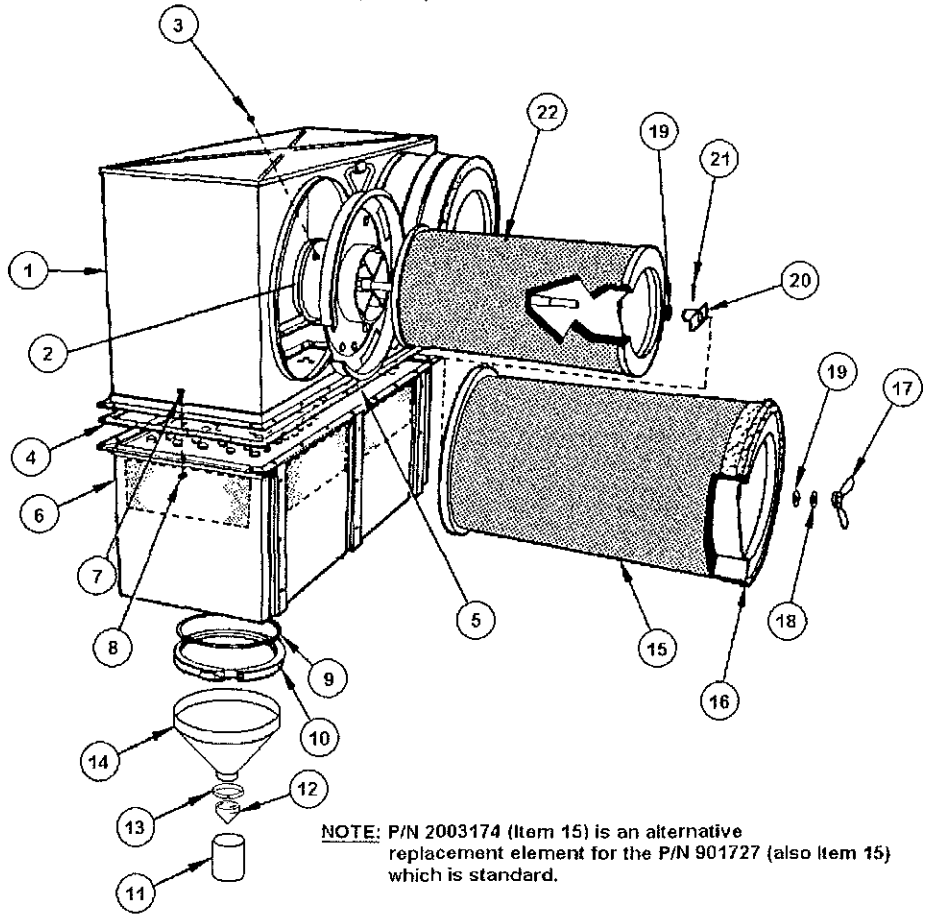


Item	P/N	Part Description	Qty.	Kits
001		Cable Assembly (86-1/4 Inches Long)	1	
002	2004069	Clevis Pin w/ Cotter Pin	2	



TEREX|UNIT RIG SERVICE PARTS	BODY LOCKUP CABLE	55088
		06/02/2004 | SHEET 1 OF 1

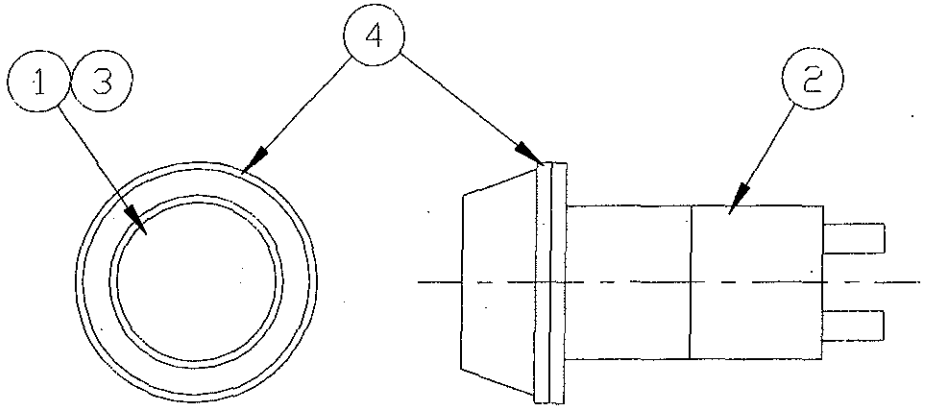
Item	P/N	Part Description	Qty.	Kits
001	P115107	Body, Upper - Donaldson	1	
002	23988	. Flange Assembly	2	
003	51309	. . Restriction Adapter	1	
004	P115098	Gasket	2	
005	P115096	Gasket	2	
006	P118552	Body Assembly, Lower	1	
007	702548	Bolt	25	
008	P115063	Nut, Flange - Donaldson	25	
009	P017804	O-ring - Donaldson	3	
010	P100808	Clamp Assembly - Donaldson	3	
011	1009122	Tube	3	
012	901105	Valve - Vacuator	3	
013	1009140	Clamp Assembly - Donaldson	3	
014	22984	Cup - Vacuator	3	
015	901727	Element - Filter (Includes item 16) (Primary) (See Note 1)	2	
015	2003174	Element - Primary EON (Includes item 16) (See Note 1)	2	
016	912841	. Gasket (Included with primary element)	2	
017	1009141	Wing Nut	2	
018	1009125	Clip	2	
019	P105740	Gasket Washer - Donaldson	4	
020	913825	Safety Nut	2	
021	P109107	Pin - Cotter - Donaldson	2	
022	901728	Element - Filter (Safety)	2	

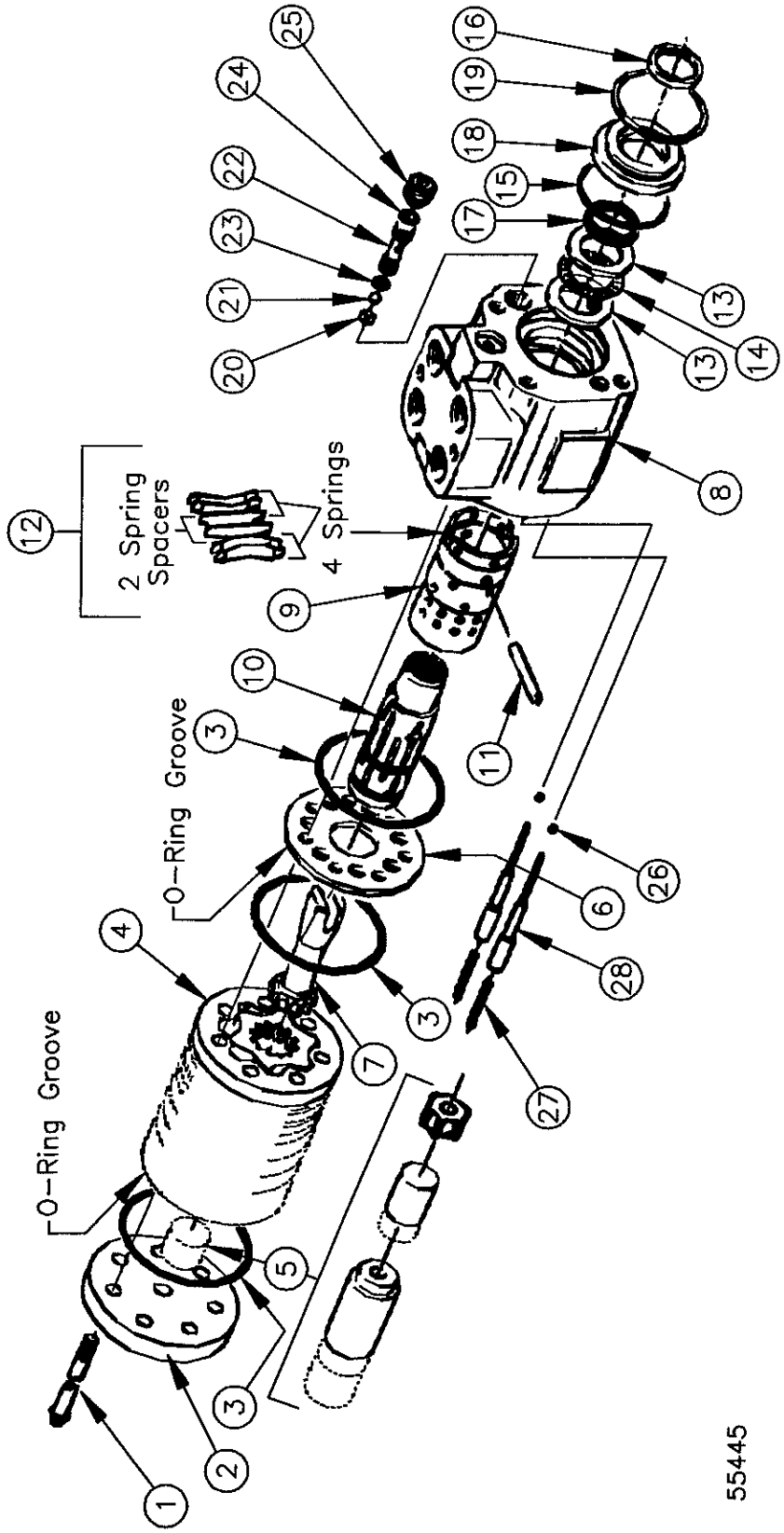


NOTE: P/N 2003174 (Item 15) is an alternative replacement element for the P/N 901727 (also Item 15) which is standard.

TEREX|UNIT RIG SERVICE PARTS	AIR CLEANER ASSEMBLY	55397
		12/01/2004 | SHEET 1 OF 1

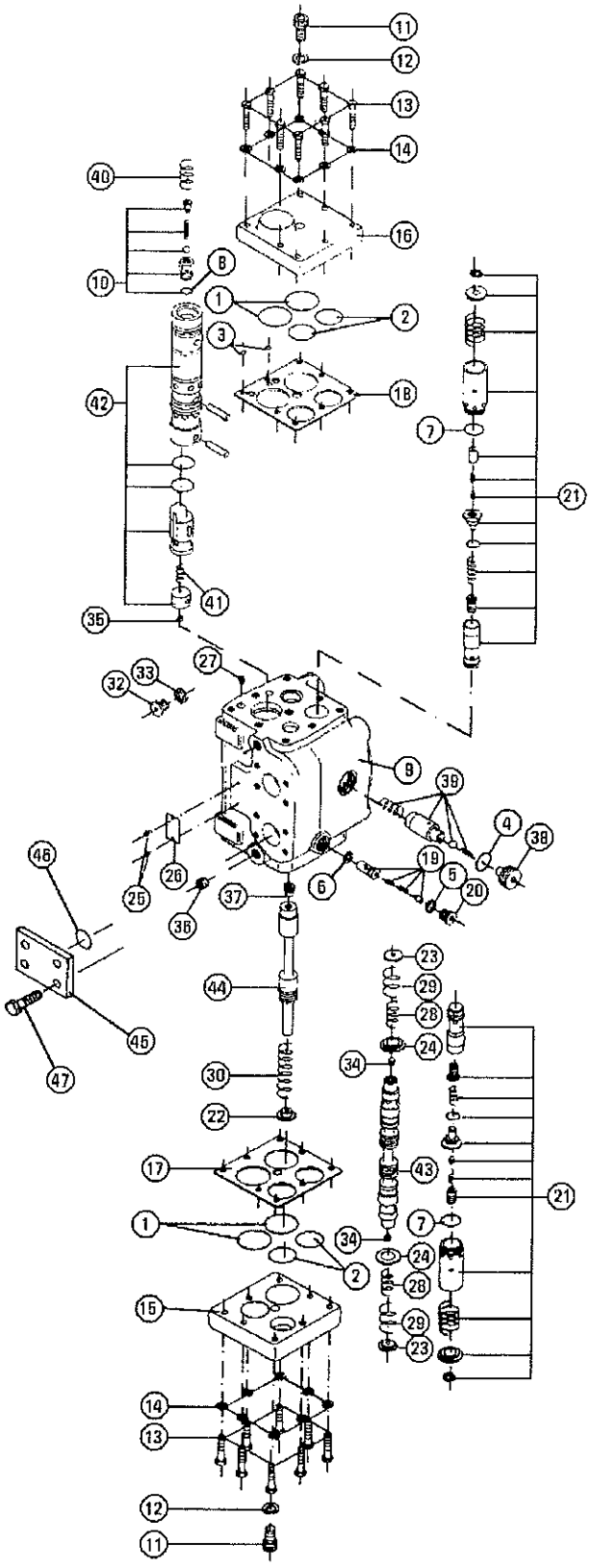
Item	P/N	Part Description	Qty	Kits
001	55427	Lens, Translucent - Green	1	
002	55428	Contact Element	1	
003	55429	Lamp Incandescent	1	
004	2003569	Bezel	1	





UNIT RIG TEREX MINING SERVICE PARTS	STEERING VALVE	55445	
		05/25/1995	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		CAPSCREW, 6 POINT, TORX DRIVE	7	
002		CAP, END	1	
003		SEAL, 2.89 IN. I.D.	3	K1
004	2001294	GEROTOR	1	
005	2001295	SPACER	1	
006	2001296	PLATE, SPACER	1	
007	2001297	DRIVE	1	
008		HOUSING	1	
009		SLEEVE, CONTROL	1	
010		SPOOL, CONTROL	1	
011	2001298	PIN, CENTERING	1	
012	916308	KIT, CENTERING SPRING	1	
013	915917	BEARING RACE	2	
014	915918	BEARING, NEEDLE THRUST	1	
015		SEAL, 1.86 IN. I.D.	1	K1
016		SEAL, 1 IN. I.D.	1	K1
017		SEAL, 1.046 IN. I.D.	1	K1
018	2001307	BUSHING, SEAL GLAND	1	
019	2001299	RING, RETAINING	1	
020	2001300	RETAINER, CHECK BALL	1	
021	2001301	BALL, CHECK	1	
022	2001302	SEAT, CHECK BALL	1	
023		SEAL, 0.30 IN. I.D.	1	K1
024		SEAL, 0.36 IN. I.D.	1	K1
025	2001303	SCREW, SET	1	
026	2001304	BALL, CHECK	2	
027	2001305	SPRING	2	
028	2001306	RETAINER PLUG, ANTI-CAV.	2	
K1	916307	KIT, SEAL	1	

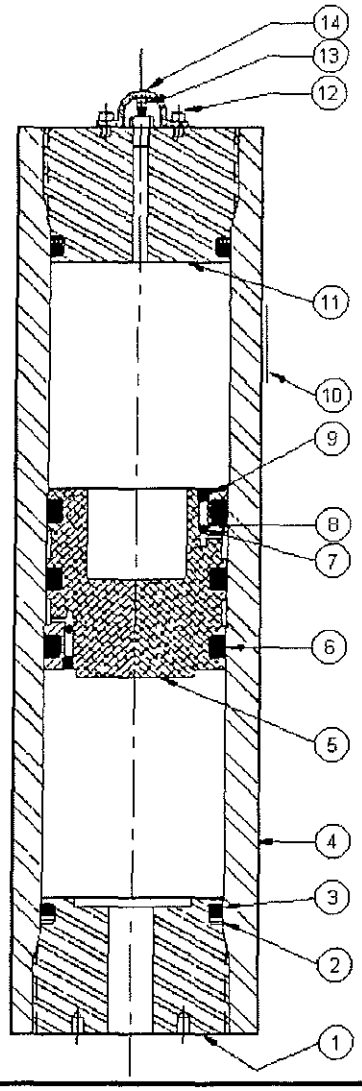


UNIT RIG TEREX MINING SERVICE PARTS	STEERING FLOW AMPLIFIER VALVE	55450	
		06/20/1995	SHEET 1 OF 3

Item	P/N	Part Description	Qty	Kits
001		. O-RING	4	K01
002		. O-RING	4	K01
003		. O-RING	2	K01
004		. O-RING	1	K01
005		. WASHER	1	K01
006		. WASHER	1	K01
007		. O-RING	2	K01
008		. O-RING	1	K01
009		. HOUSING	1	
010	915851	. VALVE, CHECK	1	
011		. SCREW	2	
012		. WASHER, SPRING	2	
013		. SCREW	16	
014		. WASHER, SPRING	16	
015	915852	. END COVER	1	
016	915853	. END COVER	1	
017	915854	. PLATE	1	
018	915855	. PLATE	1	
019	915856	. VALVE, RELIEF	1	
020	915857	. PLUG	1	
021	2000605	. VALVE, SHOCK AND SUCTION	1	
022		. STOP	1	
023		. STOP	2	
024		. SPRING GUIDE	2	
025		. DRIVE SCREW	2	
026		. NAME PLATE	1	
027	915860	. ORIFICE	1	
028	915866	. SPRING	2	
029	915867	. SPRING	2	
030	915868	. SPRING	1	
031	NOT-USED	. PART NOT USED		
032		. PLUG	1	
033		. WASHER	1	
034	2000358	. ORIFICE	1	
035	2000359	. ORIFICE	1	
036	915861	. ORIFICE	1	
037	2000357	. ORIFICE	1	
038	915862	. PLUG	1	
039	915863	. VALVE, COUNTER PRESSURE	1	
040	915864	. SPRING	1	
041	915865	. SPRING	1	
042		. AMPLIFIER SPOOL ASSEMBLY	1	
043		. PRIORITY VALVE SPOOL ASSEMBLY	1	
044		. DIRECTIONAL VALVE SPOOL ASSY.	1	
045		. PLATE, BLANKING	1	

Item	P/N	Part Description	Qty	Kits
046	12559	. . O-RING	1	
047		. CAPSCREW	4	
K01	915850	KIT, SEAL	1	

Item	P/N	Part Description	Qty	Kits
001		Cap - Hydraulic End	1	
002		Ring - Backup	2	K01
003		Ring - End Cap Seal	2	K01
004		Cylinder - 15 Gallon	1	
005		Piston	1	
006		Ring - Piston - T Seal	3	K01
007	2001254	Ball - Check Valve	2	
008	2001255	Spring - Check Valve	2	
009	2001256	Screw - Check Valve	2	
010		Plate - Instruction	1	
011		Cap - Gas End	1	
012	16390	Capscrew, HX, 3/8-16NC X 5/8 lg, Gr 5, HHCS, ZP	2	
013	2001257	Valve - Gas	1	
014	2004796	Guard - Gas Valve	1	
K01	916245	Kit, Seal Accumulator	1	



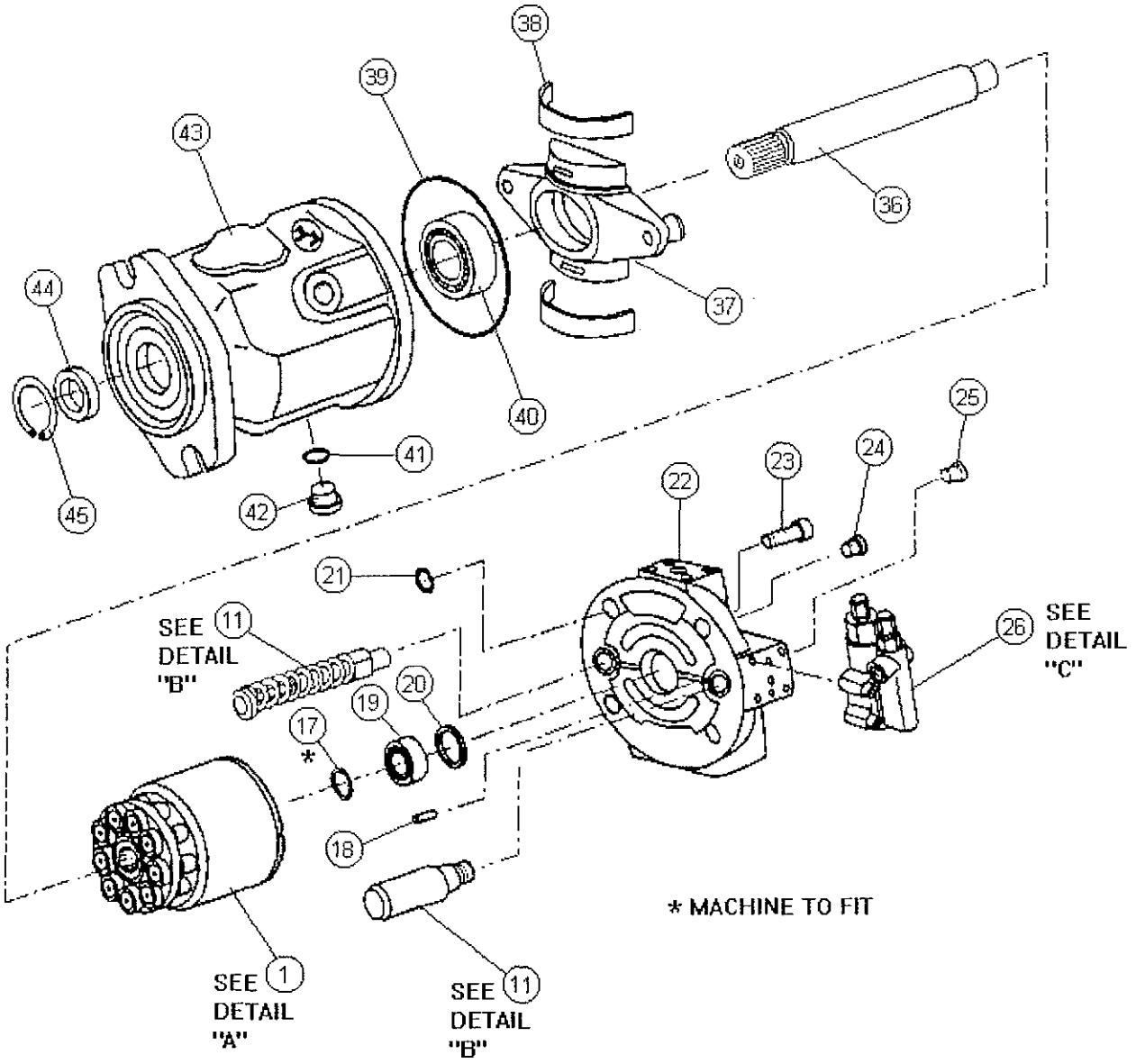
UNIT RIG
TEREX MINING
SERVICE PARTS

ACCUMULATOR - PISTON
15 GALLON

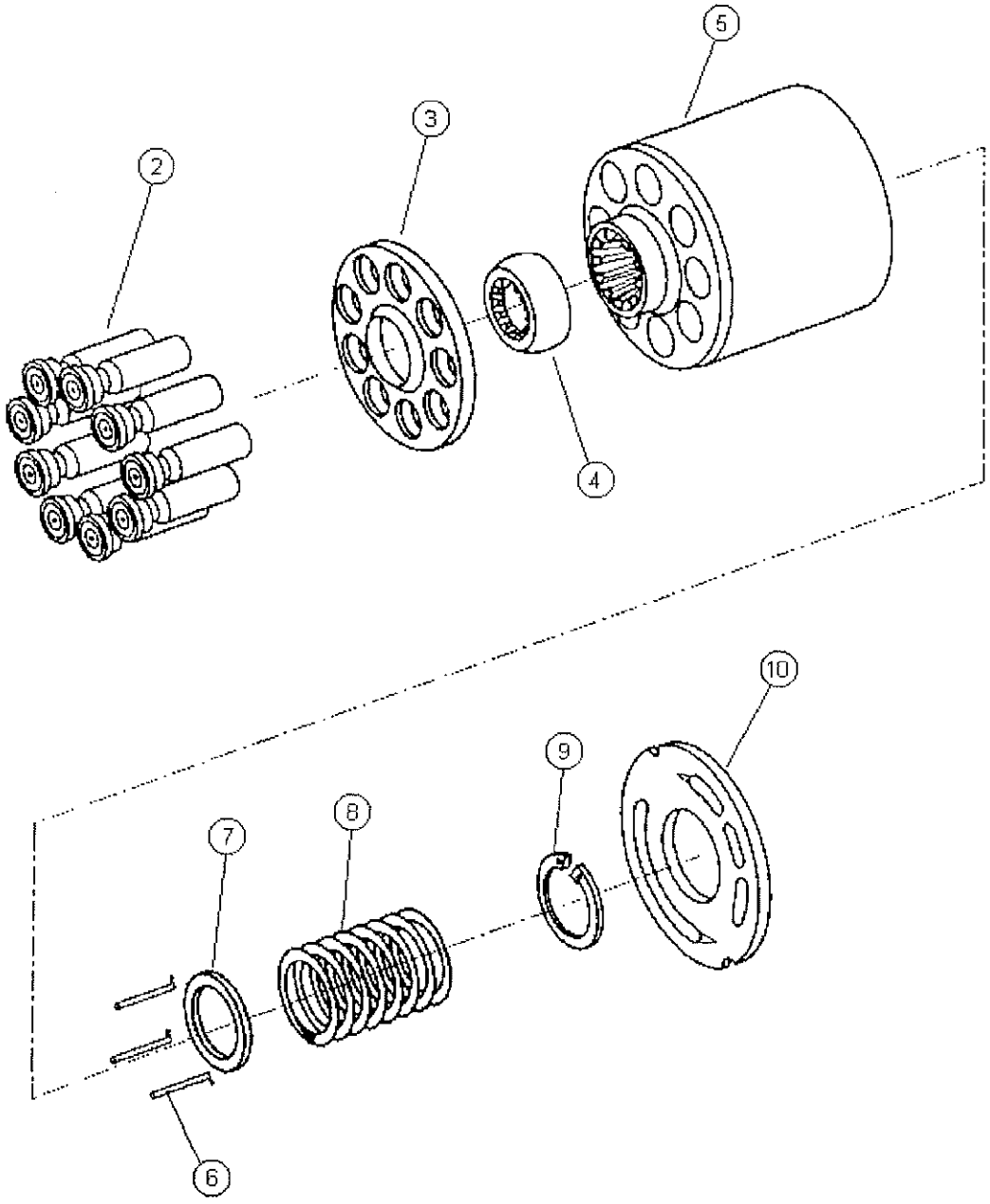
55506

10/28/2003

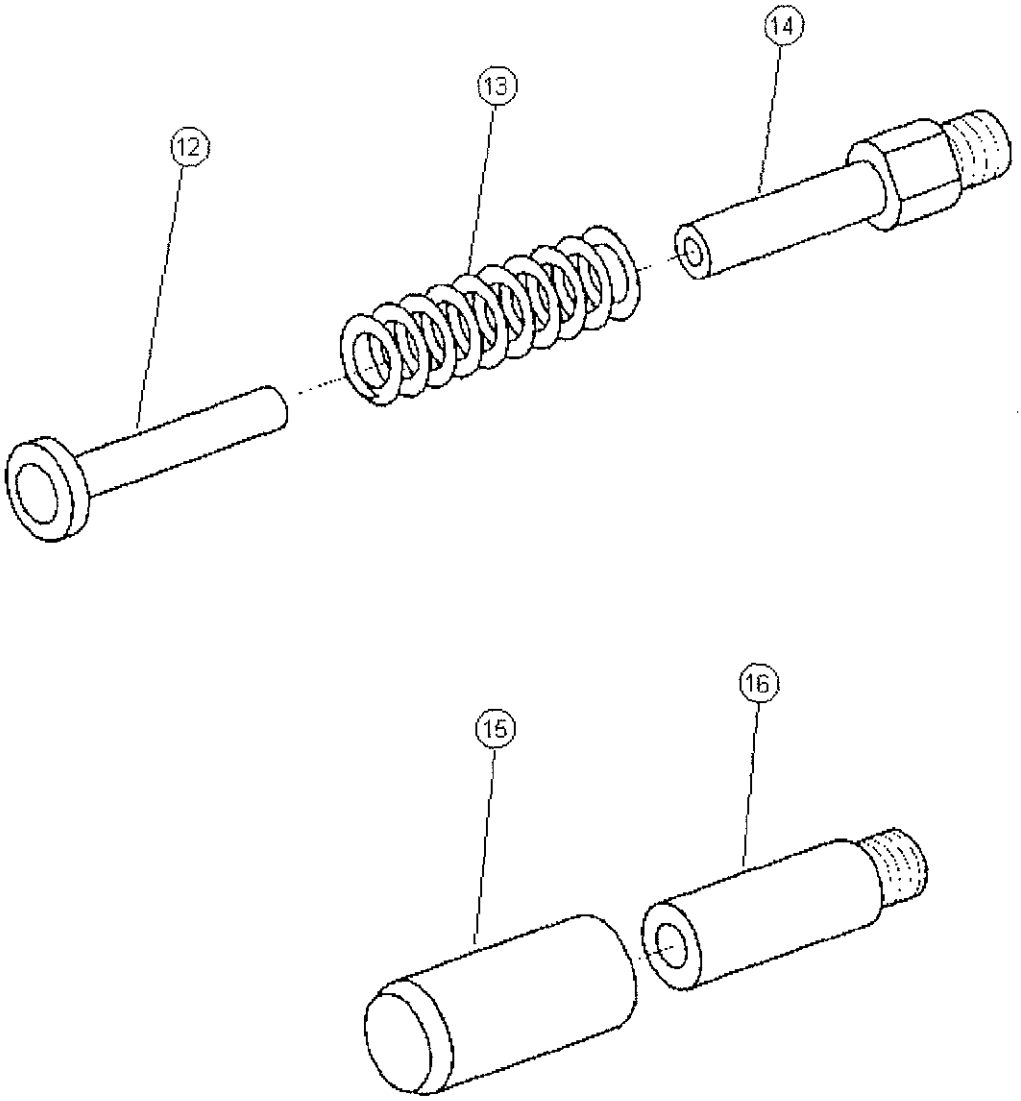
SHEET 1 OF 1



UNIT RIG TEREX MINING SERVICE PARTS	STEERING PUMP ASSEMBLY	55507	
		02/05/2001	SHEET 1 OF 5

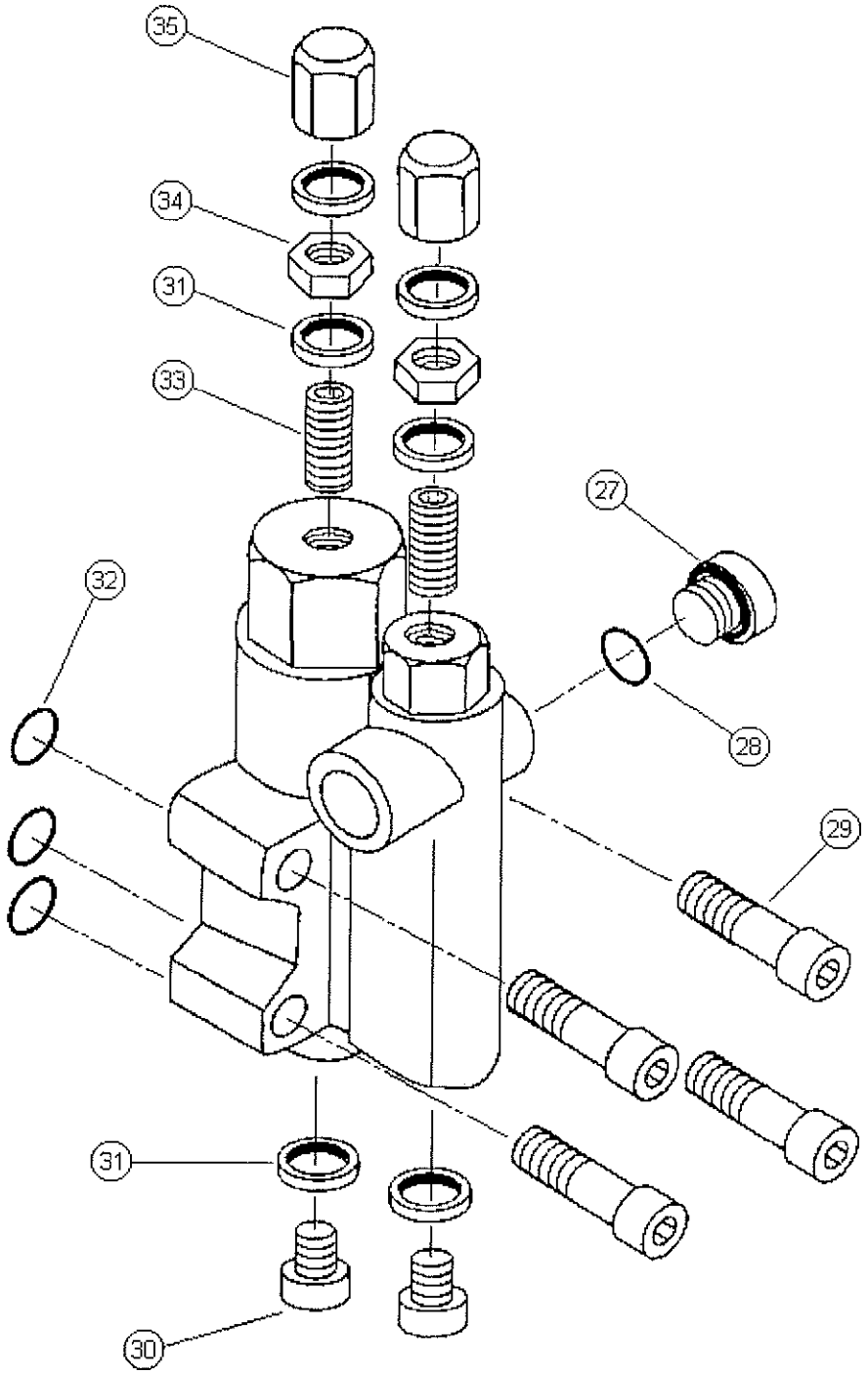


DETAIL "A"
(ROTARY GROUP ASSEMBLY)



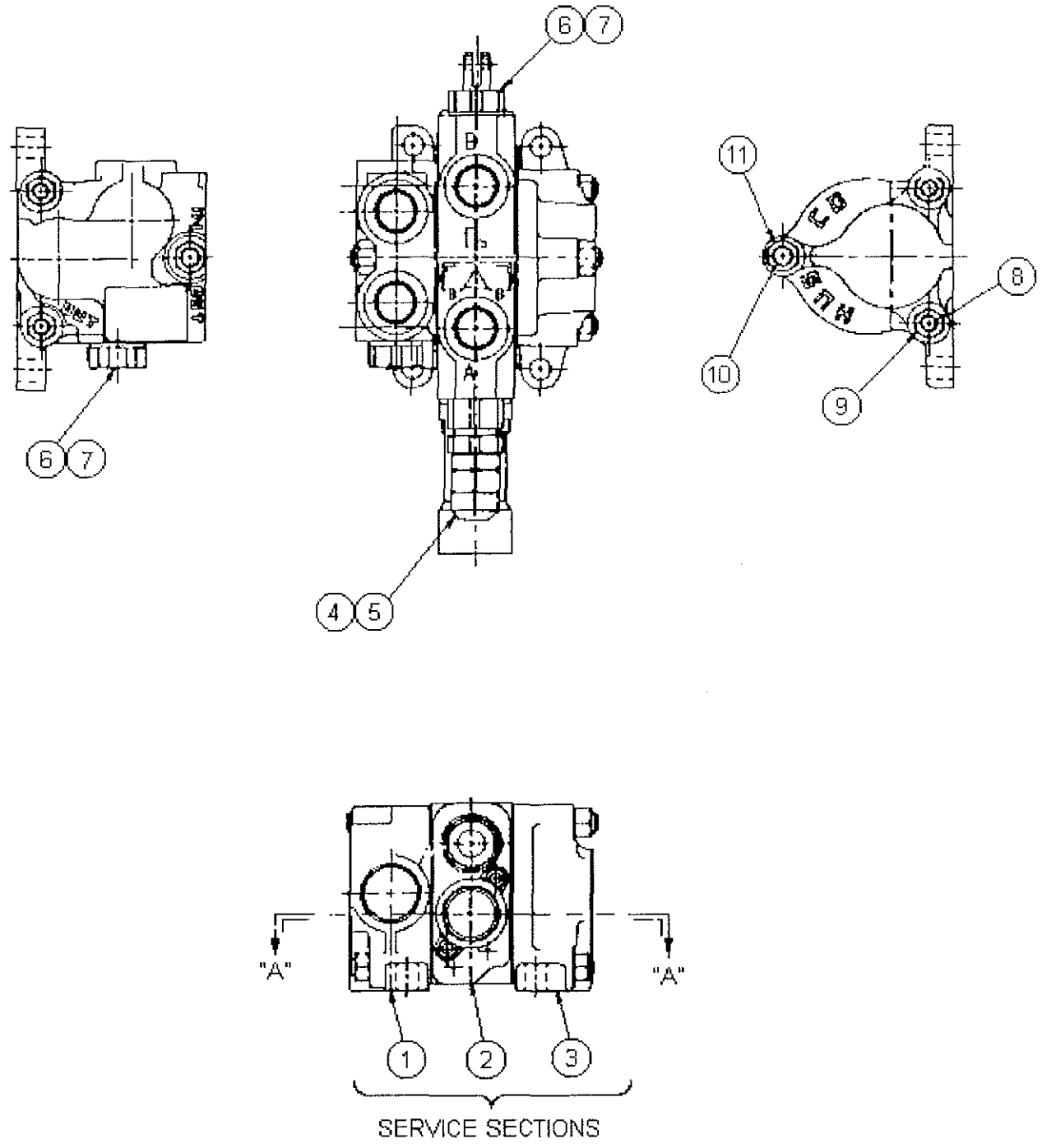
DETAIL "B"
CONTROL PISTON ASSEMBLY

Item	P/N	Part Description	Qty	Kits
K01	916434	KIT, SEAL	1	
K02	916312	KIT, BEARING	1	
K03	916313	KIT, ROTARY	1	

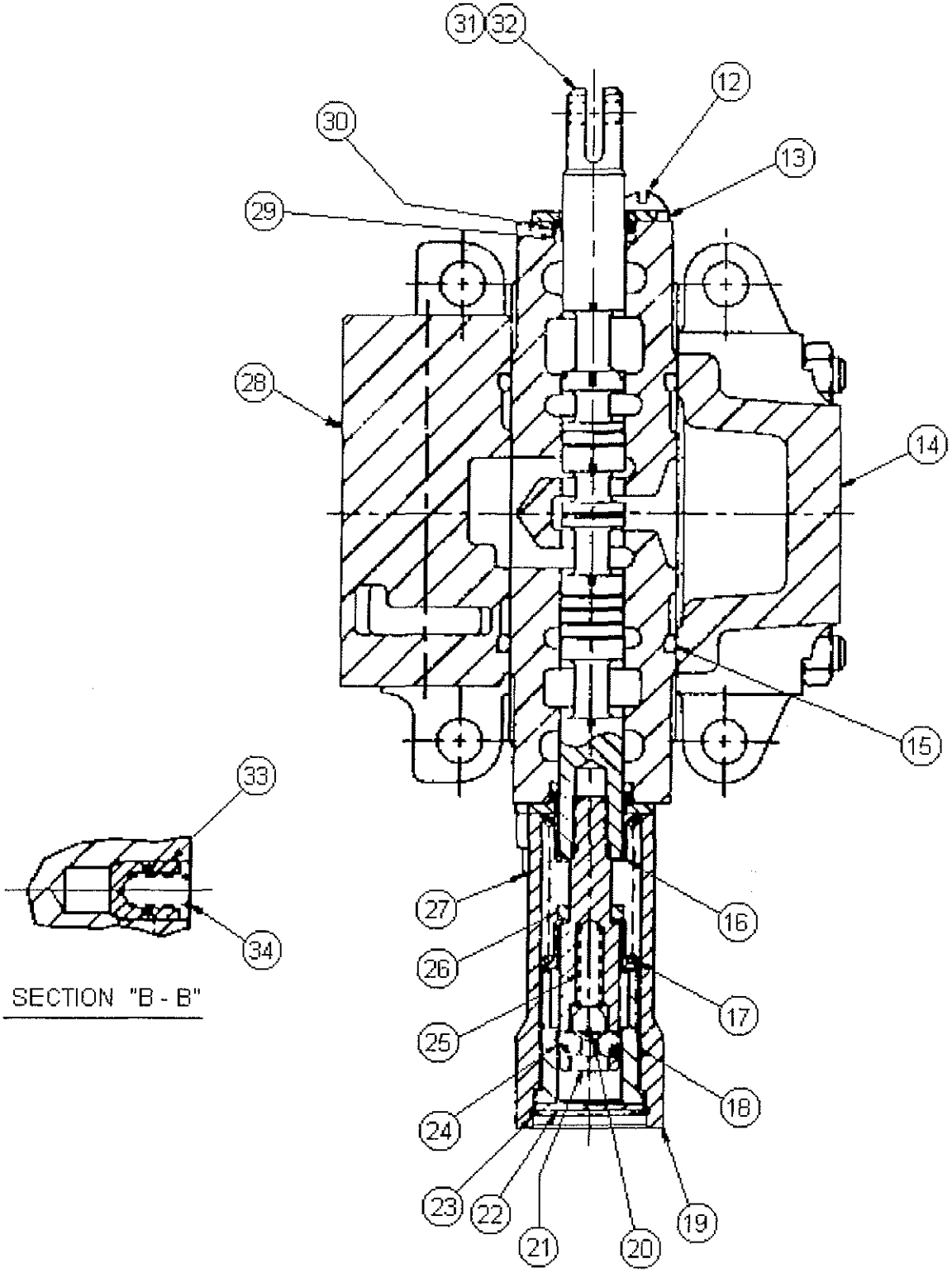


DETAIL "C"
CONTROL VALVE ASSEMBLY

Item	P/N	Part Description	Qty	Kits
001		ROTARY GROUP ASSEMBLY	1	K03
002	2001329	. PISTON	9	
003		. RETAINING PLATE	1	
004	2001330	. RETAINING BALL	1	
005		. BARREL	1	
006	2001332	. PRESSURE PIN	3	
007		. DISC, RETAINING CLIP	1	
008	2001331	. SPRING	1	
009		. RETAINING RING	1	
010		. LENS PLATE	1	
011	2001321	CONTROL PISTON ASSEMBLY	1	
012		. COUNTER PISTON	1	
013	2001333	. SPRING	1	
014		. COUNTER PISTON GUIDE	1	
015		. CONTROL PISTON	1	
016		. CONTROL PISTON GUIDE	1	
017	2001324	ADJUSTING DISC (3.0 MM)	1	
018	2001327	DOWEL PIN	1	
019		BEARING TAPERED ROLLER	1	K02
020	2001323	WASHER	1	
021		O-RING	4	K01
022		BLOCK, PORT	1	
023		CAPSCREW	4	
024		PLUG	1	K01
025		PLUG	1	K01
026	2001326	CONTROL VALVE ASSEMBLY	1	
027		. PLUG	1	
028		. O-RING	1	K01
029		. CAPSCREW	4	
030		. PLUG	2	
031		. USIT RING	6	K01
032		. O-RING	3	K01
033		. ADJUSTING SCREW	2	
034		. JAM NUT	2	
035		. ACORN NUT	2	
036	2001322	DRIVE SHAFT	1	
037		CRADLE ASSEMBLY	1	K03
038		BEARING, CRADLE	2	K02
039		O-RING	1	K01
040		BEARING, TAPERED ROLLER	1	K02
041		O-RING	1	K01
042		PLUG (INCLUDES ITEM 41)	1	
043		PUMP HOUSING	1	
044		SEAL, SHAFT	1	K01
045	2001325	SEEGAR V-RING	1	



UNIT RIG TEREX MINING SERVICE PARTS	PILOT CONTROL VALVE	55561	
		06/02/1998	SHEET 1 OF 3

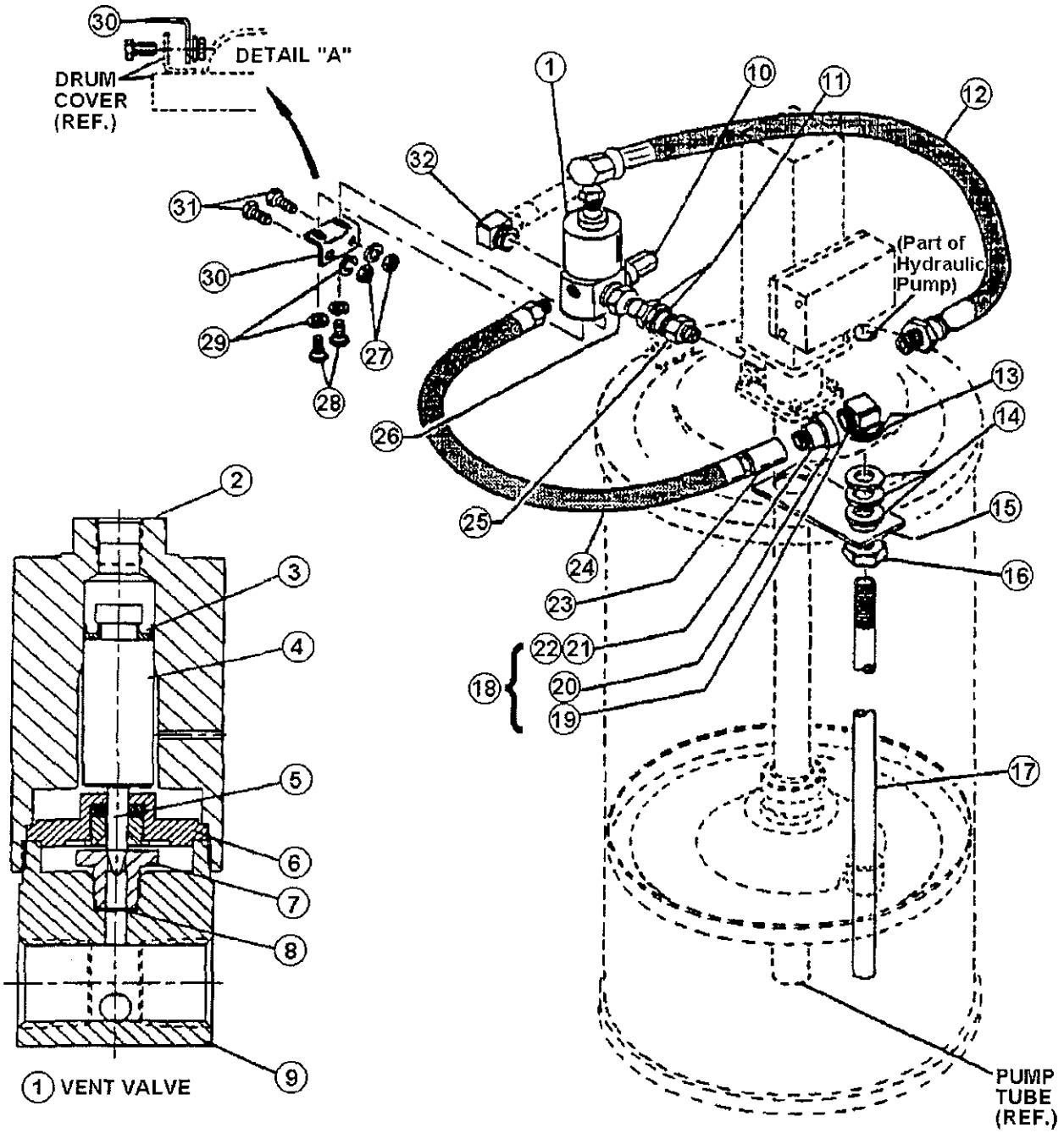


SECTION "B - B"

SECTION "A - A"

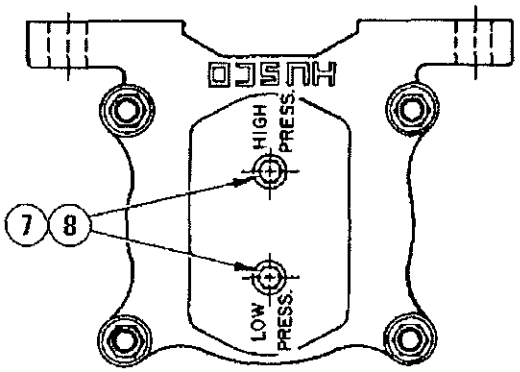
UNIT RIG TEREX MINING SERVICE PARTS	PILOT CONTROL VALVE	55561	
		06/02/1998	SHEET 2 OF 3

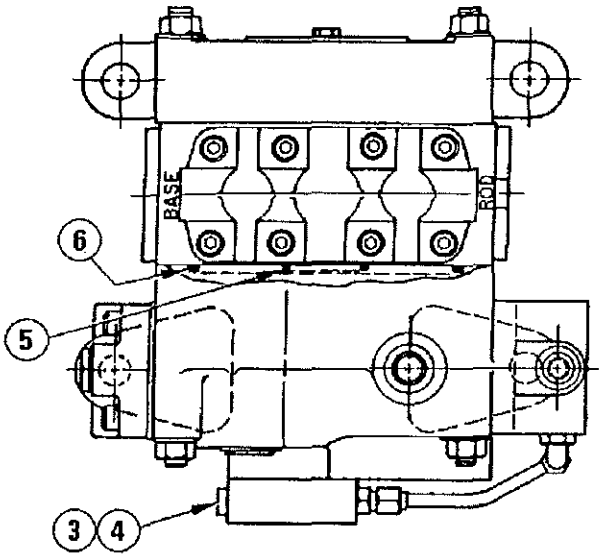
Item	P/N	Part Description	Qty	Kits
001	916304	INLET SECTION ASSEMBLY	1	
002	916305	SPOOL SECTION ASSEMBLY	1	
003	1022311	OUTLET SECTION ASSEMBLY	1	
004	916303	RELIEF VALVE ASSEMBLY	1	
005	916296	. KIT, SEAL AND SPRING REPAIR	1	K1
006	703317	SHUT-OFF PLUG ASSEMBLY	2	
007		. SEAL, SPECIAL	1	K1, K2
008		TIE ROD	2	
009	1014512	NUT - SPECIAL	4	
010		TIE ROD	1	
011	1013275	NUT - SPECIAL	2	
012		MACHINE SCREW, ROUND HEAD	2	
013		PLATE - SEAL	2	
014		HOUSING - OUTLET	1	
015		O-RING	2	K1, K2
016		SPRING SEAT	2	K1, K3
017		SPRING	1	K1, K3
018		SLEEVE - DETENT	1	K1, K3
019	2002525	CAP - SPOOL	1	
020		BALL	1	K1, K3
021		SPOOL END - DETENT PIN	1	K1, K3
022	2002526	SPACER	1	
023	2002527	RETAINING RING - INT.	1	K2, K3
024		BALL	4	K1, K3
025		SPRING	1	K1, K3
026		SPACER	1	
027	2002528	CAPSCREW - SOCKET HEAD	2	
028		HOUSING - INLET	1	
029		O-RING	2	K1, K2
030		WIPER	2	K1, K2
031		SPOOL	1	
032		HOUSING - SPOOL	1	
033	1022336	POPPET - C.V.	1	
034	1023030	SPRING	1	
K1	916297	KIT, MAJOR REPAIR	1	
K2	916295	KIT, SEAL	1	
K3	916298	KIT, DETENT REPAIR	1	

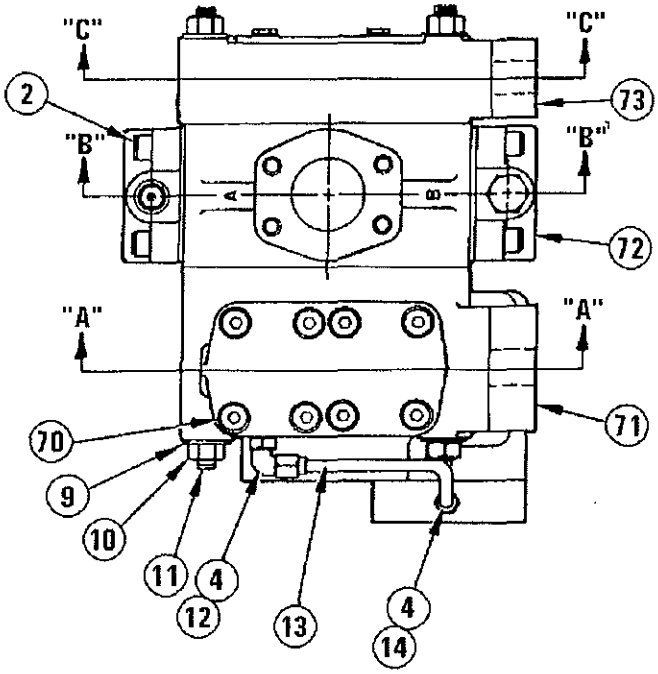


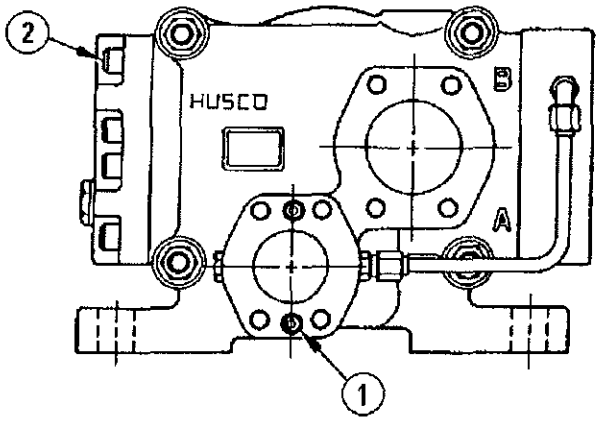
UNIT RIG TEREX MINING SERVICE PARTS	VENT VALVE KIT	55563	
		01/12/2000	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001	2002431	VENT VALVE	1	
002		. CYLINDER	1	
003	2002432	. U-CUP	1	
004		. PISTON	1	
005	701717	. NEEDLE	1	
006	1029646	. PACKING ASSEMBLY	1	
007	701716	. VALVE SEAT	1	
008	1020249	. CHECK SEAT GASKET	1	
009		. VALVE BODY	1	
010	1004510	SAFETY UNLOADER	1	
011	1028474	OUTLET CHECK VALVE	1	
012	2001286	HOSE ASSEMBLY	1	
013	1020247	COPPER WASHER (GASKET)	2	
014	1022174	STEEL WASHER	3	
015	1020800	BRACKET	1	
016		NUT	1	
017	1025702	VENT TUBE	1	
018	1028470	ELBOW UNION ASSEMBLY	1	
019		. CHECK HOUSING	1	
020		. UNION NUT	1	
021		. WASHER	1	
022		. UNION NIPPLE	1	
023		COUPLING	1	
024	2002433	HOSE	1	
025	1013716	ADAPTER FITTING	1	
026	1014046	NIPPLE	1	
027		NUT	2	
028		SCREW	2	
029		LOCKWASHER	4	
030		BRACKET	1	
031		SCREW	2	
032		ELBOW	1	

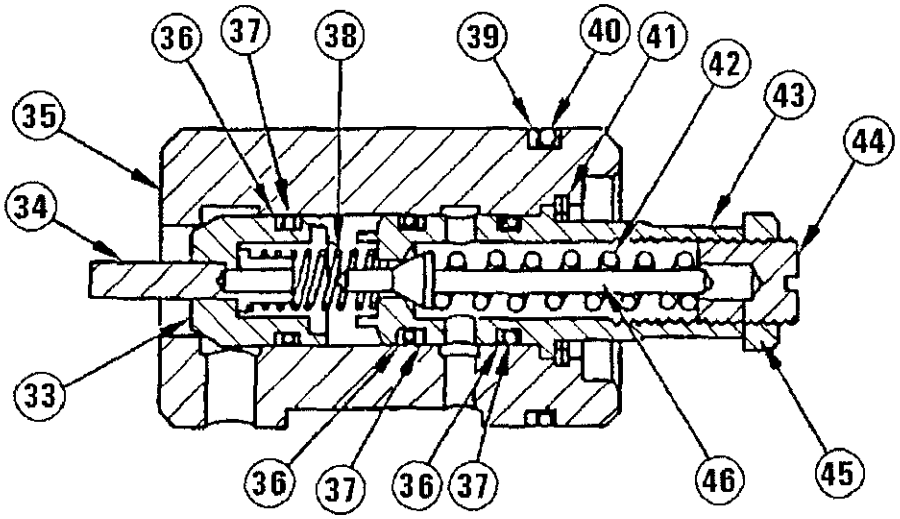




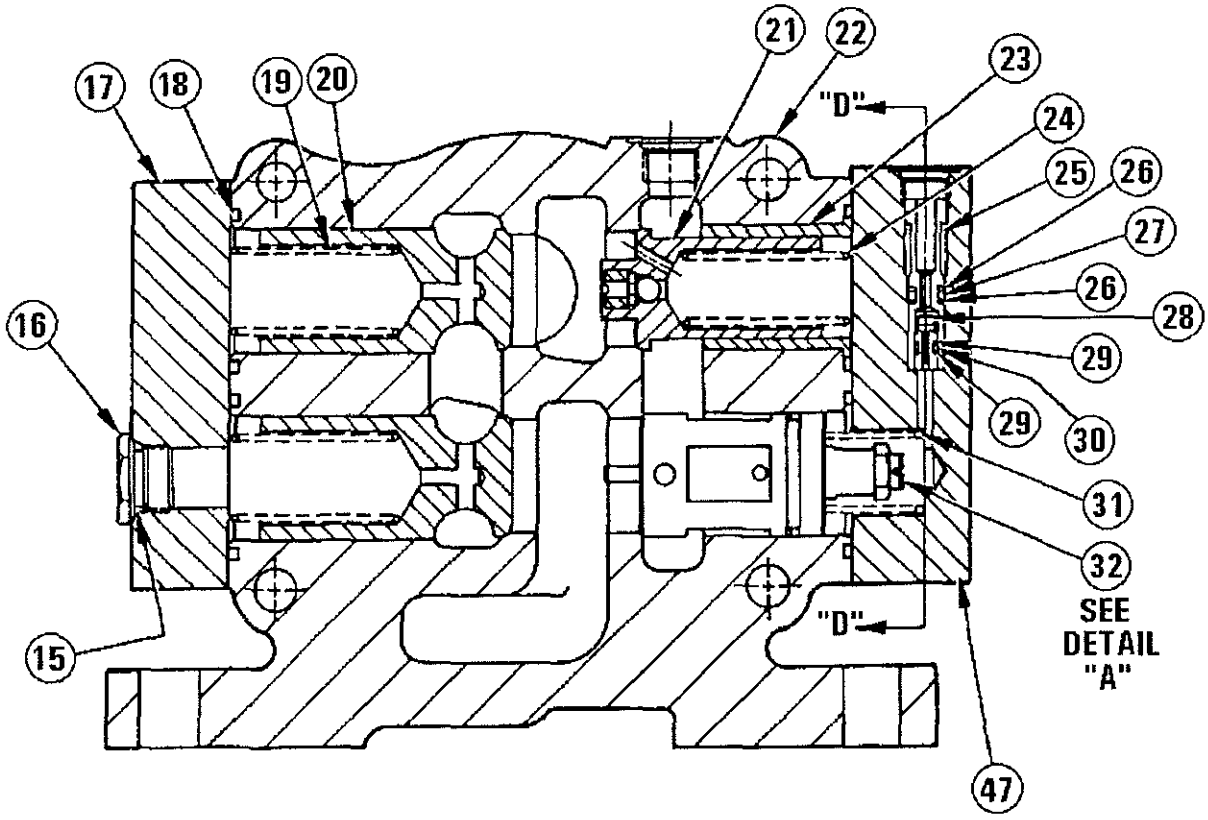




UNIT RIG TEREX MINING SERVICE PARTS	DUMP VALVE ASSEMBLY	55565	
		10/02/1995	SHEET 1 OF 5

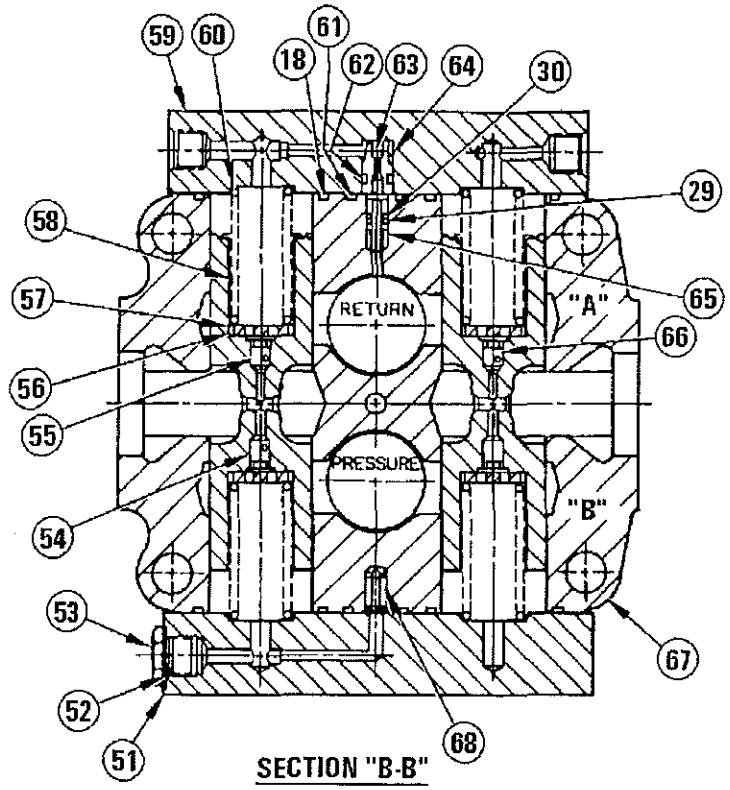


DETAIL "A"

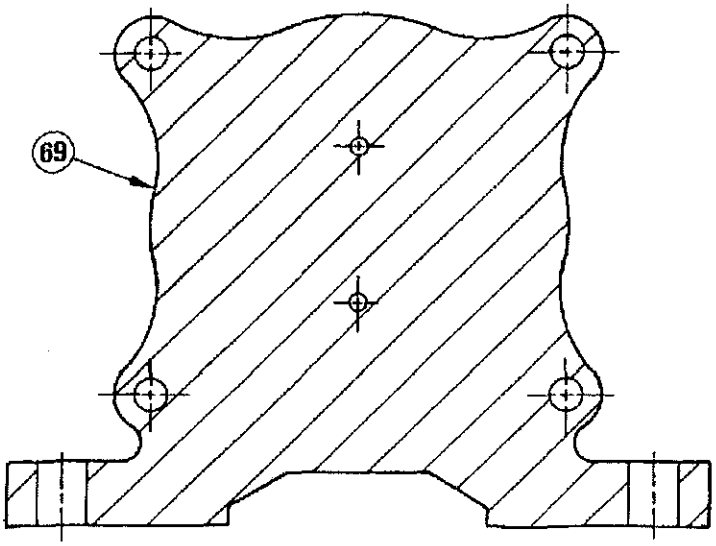


SECTION "A-A"

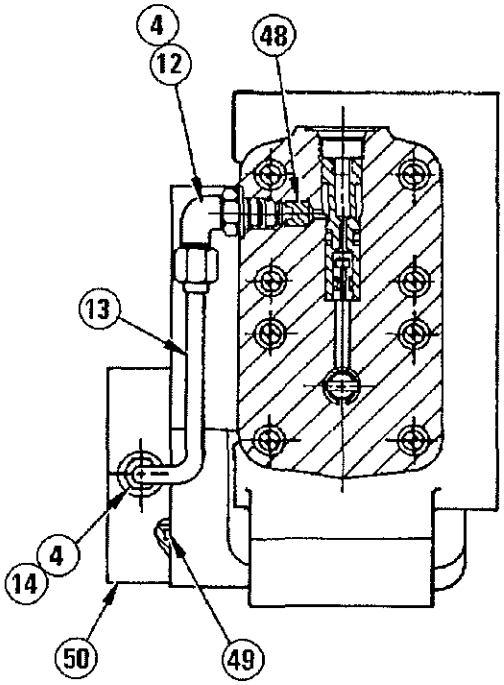
UNIT RIG TEREX MINING SERVICE PARTS	DUMP VALVE ASSEMBLY	55565	
		10/02/1995	SHEET 2 OF 5



SECTION "B-B"



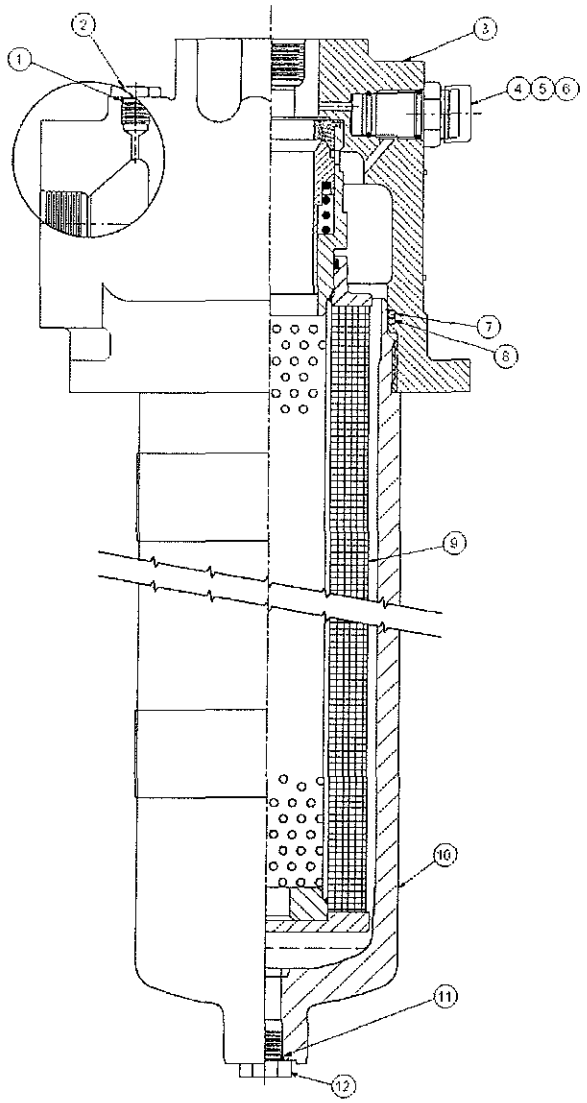
SECTION "C-C"



SECTION "D-D"

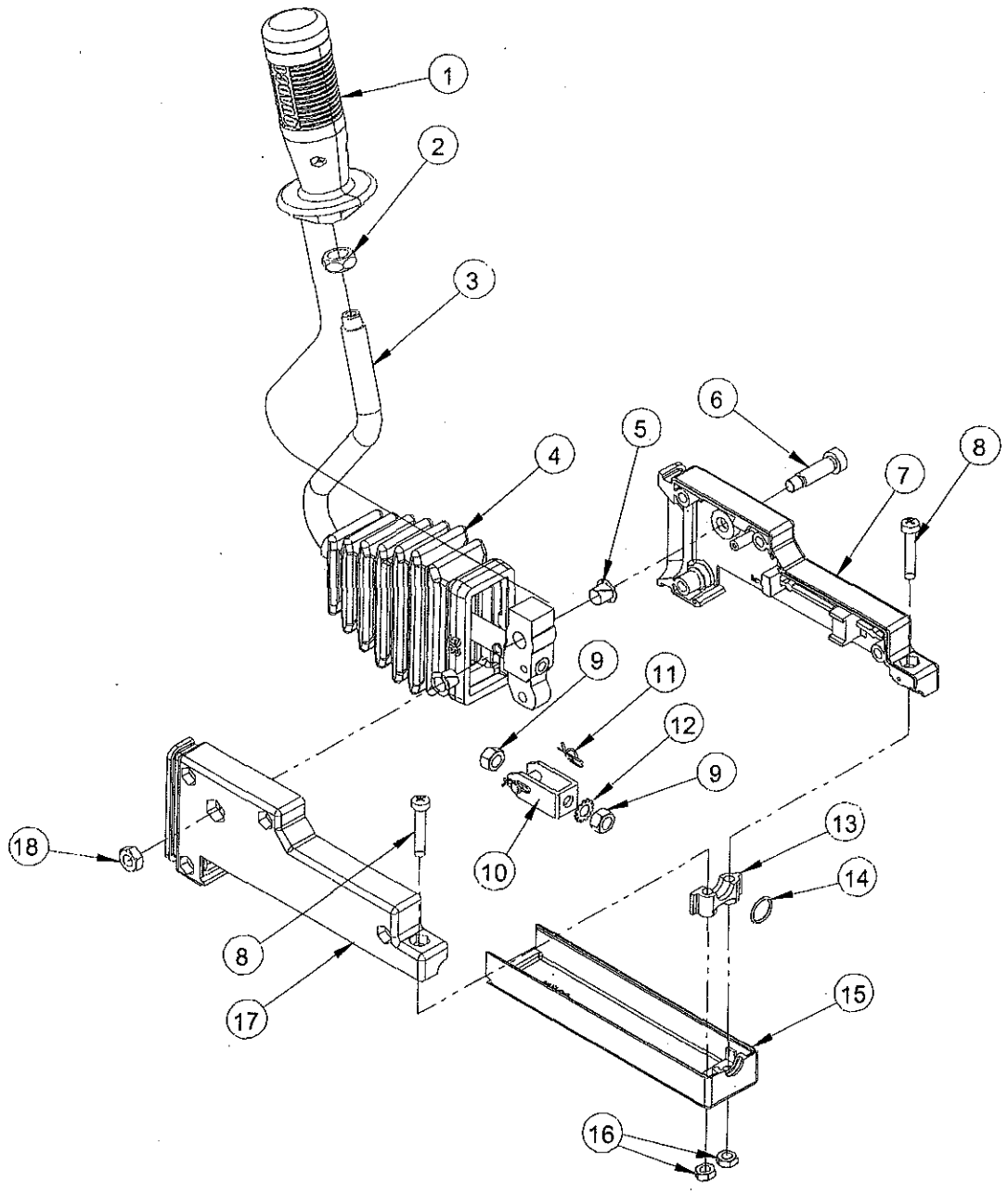
Item	P/N	Part Description	Qty	Kits
001		.CAPSCREW, SOCKET HEAD	2	
002	1023591	.CAPSCREW, SOCKET HEAD	24	
003		.PLUG - SAE	1	
004	1022771	.O-RING	3	K1, K2
005	1021752	.O-RING	4	K1, K2
006	1021786	.O-RING	2	K1, K2
007		.PLUG - SAE	2	
008	1022770	.O-RING	2	K1, K2
009		.WASHER, COMPRESSION	8	
010		.NUT-LOCK	8	
011		.TIE ROD	4	
012		.FITTING	1	
013		.TUBING	1	
014		.FITTING	1	
015	1022773	.O-RING	1	K1, K2
016		.PLUG - SAE	1	
017	1026460	.COVER - POPPET	1	
018	1021755	.O-RING	8	K1, K2
019	1020727	.SPRING	2	
020	1023592	.POPPET - C.V.	2	
021	1022415	.RELIEF VALVE ASSEMBLY - L.P.	1	K1
022		.HOUSING - INLET	1	
023	1023593	.SLEEVE	1	
024	2001462	.LOW PRESSURE SPRING (WHITE)	1	
025	1022576	.SLEEVE	1	K1
026	1022407	.BACK-UP RING	2	K1, K2
027	1101723	.O-RING	1	K1, K2
028	914642	.POPPET - RESTRICTION	1	K1
029	1022798	.BACK-UP RING	3	K1, K2
030	1000948	.O-RING	2	K1, K2
031	1026464	.SPRING (ORANGE)	1	
032	1024079	.RELIEF VALVE ASSEMBLY	1	K1
033		.POPPET - R.V. NON SERVICEABLE	1	
034		.PISTON - R.V. NON SERVICEABLE	1	
035		.BODY - R.V. NON SERVICEABLE	1	
036		.BACK-UP RING	3	K2, K3
037		.O-RING	3	K2, K3
038		.SPRING	1	K2, K3
039		.BACK-UP RING	1	K2, K3
040		.O-RING	1	K2, K3
041	1024083	.RETAINING RING - INT.	1	
042		.SPRING	1	K2, K3
043		.PLUG - R.V. NON SERVICEABLE	1	
044		.SCREW, ADJUST NON SERVICEABLE	1	
045	1024076	.NUT-SPECIAL	1	

Item	P/N	Part Description	Qty	Kits
046		.POPPET - R.V. NON SERVICEABLE	1	
047		.COVER - R.V.	1	
048	2001463	.SCREW - RESTRICTION	1	
049	1023686	.O-RING	1	K1, K2
050		.CAP - FLANGE	1	
051		.COVER - SPOOL	1	
052	1022772	.O-RING	1	K1, K2
053		.PLUG - SAE	1	
054	1023597	.POPPET - RESTRICTION (RED)	1	K1
055	1023595	.POPPET - RESTRICTION (WHITE)	1	K1
056	1021731	.O-RING	4	K1, K2
057	1022353	.WASHER - SPOOL	4	
058		.SPOOL	2	
059		.COVER - SPOOL	1	
060	1026462	.SPRING (GREEN)	4	
061	1021733	.O-RING	2	K1, K2
062	1021724	.O-RING	1	K1, K2
063	1022378	.BALL	1	K1, K2
064	1022418	.POPPET	1	K1
065	1103745	.POPPET - RESTRICTION	1	K1
066	1023598	.POPPET - RESTRICTION	1	K1
067		.HOUSING - SPOOL	1	
068	1026461	.POPPET - C.V.	1	K1
069		.HOUSING - OUTLET	1	
070	1024084	.CAPSCREW - SOCKET HEAD	8	
071	2001240	.INLET SECTION ASSEMBLY	1	
072	2001241	.SPOOL SECTION ASSEMBLY	1	
073	2001242	.OUTLET SECTION ASSEMBLY	1	
K01	916286	KIT - SERVICE, MAJOR	1	
K02	916287	KIT - SERVICE, MINOR	1	
K03	915509	KIT - RELIEF VALVE	1	



I/N	P/N	Part Description	Qty	Kits
001		O-RING	1	K01
002		PLUG, BLEED	1	
003		FILTER HEAD ASSEMBLY	1	
004	51051	INDICATOR - BYPASS (MECHANICAL)	1	
005		O-RING	1	K01
006		O-RING	1	K01
007	1014739	O-RING	1	K01
008	701503	BACK-UP RING	1	K01
009		ELEMENT	1	K01
010		BOWL	1	K02
011		O-RING	1	K01,K02
012		PLUG	1	K02
K01	916254	KIT, ELEMENT AND SEAL	1	
K02	914792	BOWL - FILTER	1	

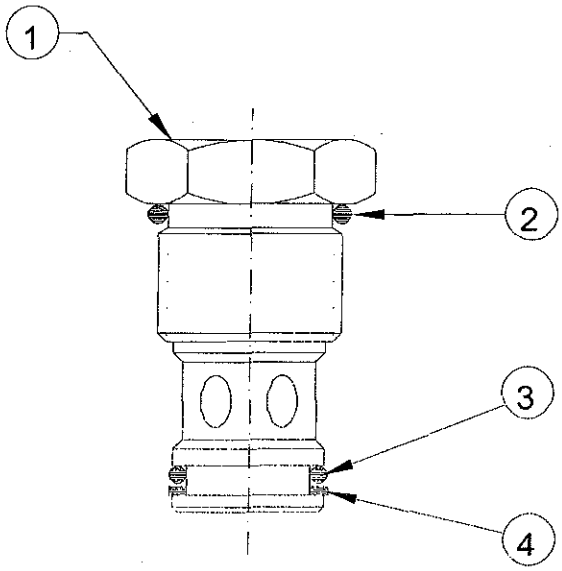
TEREX|UNIT RIG SERVICE PARTS	HYDRAULIC PRESSURE FILTER	55585	
		06/05/2006	SHEET 1 OF 1



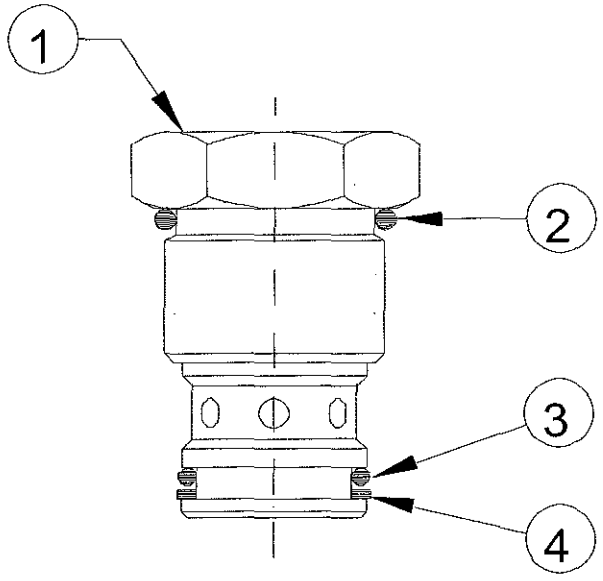
UNIT RIG TEREX MINING SERVICE PARTS	CABLE CONTROLLER	55613	
		09/13/2002	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		Grip	1	K01
002		Jamnut	1	K01
003		Input Lever Assembly	1	
004	2004585	Top Boot	1	
005		Bushing	1	K03
006		Bolt, Shoulder	1	K03
007		Side Cover (Not Available Separately)	1	
008		Screw, Cover	2	K02
009		Jamnut	2	K04
010		Clevis (with pin)	1	K04
011		Locking Clips	2	K04
012		Tooth Lockwasher	1	K04
013		Rear Cover Support	1	K04
014		Washer	1	K04
015		Lower Cover (Not Available Separately)	1	
016		Nuts	2	K02
017		Side Cover (Not Available Separately)	1	
018		Nut	1	K03
K01	2004581	Grip Assembly	1	
K02	2004582	Cover Attachment Kit	1	
K03	2004583	Pivot Kit	1	
K04	2004584	Cable Hardware Kit	1	

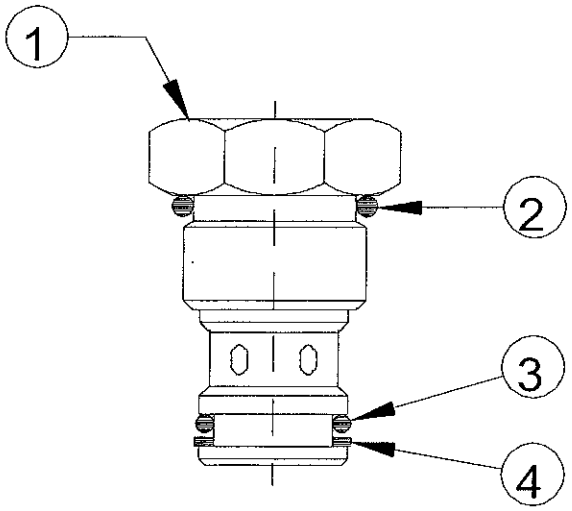
Item	P/N	Part Description	Qty	Kits
001		. VALVE, CHECK, CARTRIDGE	1	
002		. . O-RING	1	K1
003		. . O-RING	1	K1
004		. . BACK-UP RING	1	K1
K01	916273	KIT, SEAL	1	



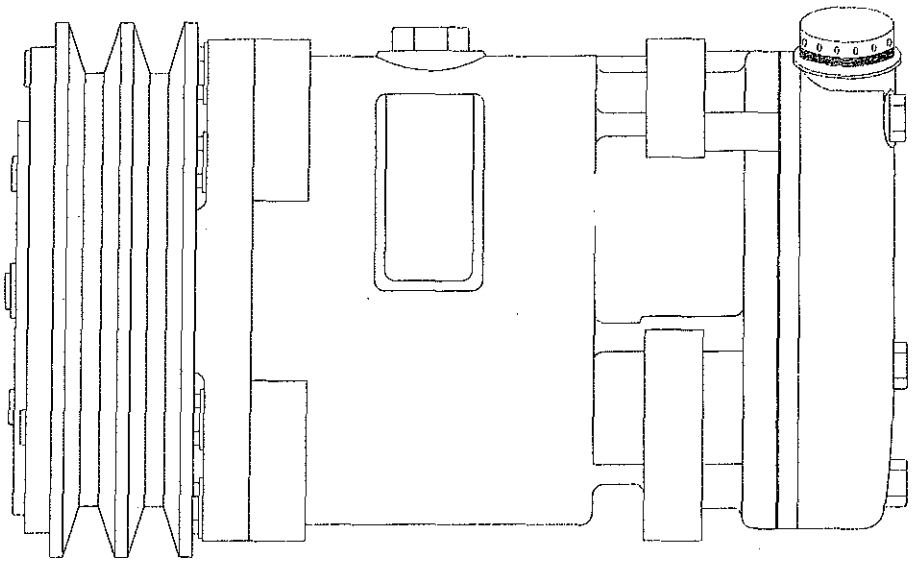
Item	P/N	Part Description	Qty	Kits
001		. VALVE, CHECK, CARTRIDGE	1	
002		. . O-RING	1	K1
003		. . O-RING	1	K1
004		. . BACK-UP RING	1	K1
K01	916276	KIT, SEAL	1	



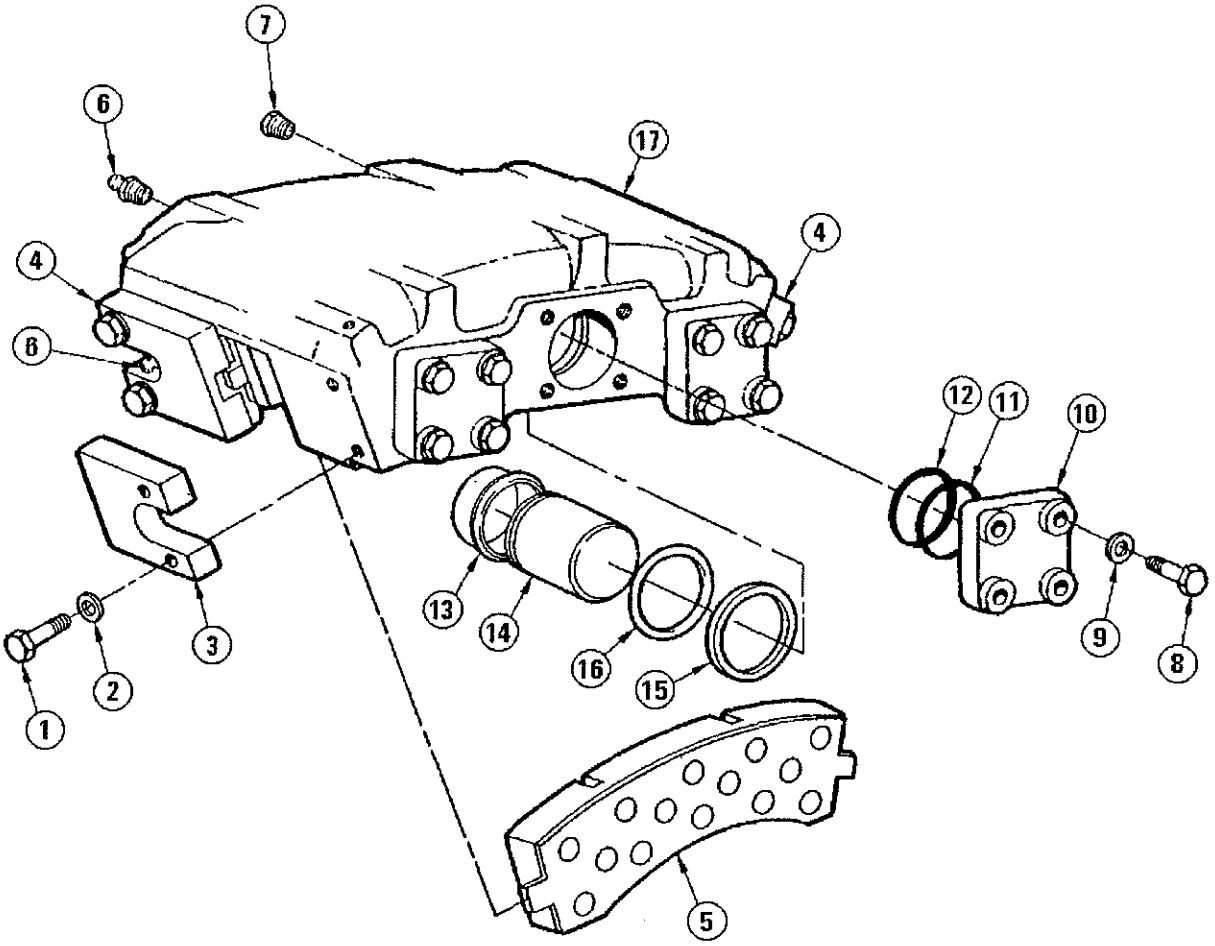
Item	P/N	Part Description	Qty	Kits
001		. VALVE, CHECK, CARTRIDGE	1	
002		. . O-RING	1	K1
003		. . O-RING	1	K1
004		. . BACK-UP RING	1	K1
K01	916274	KIT, SEAL	1	



Item	P/N	Part Description	Qty	Kits
001	2004459	Clutch Kit (Contains rotor, coil, and accessory kit)	1	



Item	P/N	Part Description	Qty	Kits
001	23181	HEX HEAD CAPSCREW 1-14 X 3 GR8	8	
002	913739	FLAT HARDENED WASHER	8	
003	914541	THRUST PLATE	2	
004	914541	THRUST PLATE	2	
005	915766	CARRIER AND LINING ASSEMBLY	2	
006	913151	BLEEDER VALVE	6	
007		PLUG	4	
008	913744	CAPSCREW HX HD 9/16-12 X 1 1/2	12	
009	913745	FLAT HARDENED WASHER	12	
010	913746	CAP	3	
011		RETAINER	3	K01
012		O-RING SEAL	3	K01
013		DUST BOOT	6	K01
014	913749	PISTON	6	
015		PISTON PACKING	6	K01
016		PACKING RETAINER	6	K01
017		TORQUE PLATE ASSEMBLY	1	
K01	916084	BRAKE CALIPER REPAIR KIT	1	



UNIT RIG
TEREX MINING
SERVICE PARTS

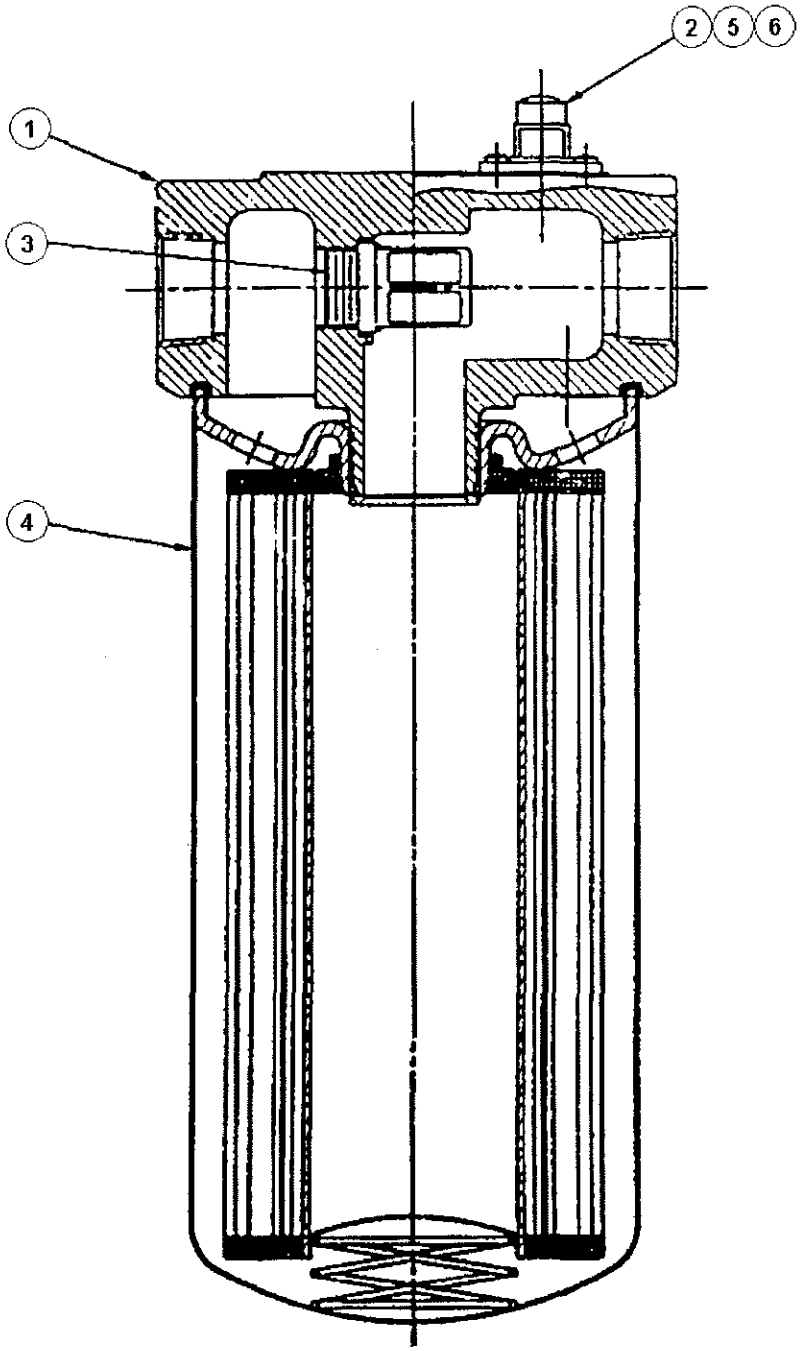
FRONT BRAKE
CALIPER ASSEMBLY

55890

08/22/1996

SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
001		FILTER HEAD	1	
002	15266829	INDICATOR	1	
003		PLUG	1	
004	55894	FILTER ELEMENT	1	
005	2003527	O-RING - UPPER INDICATOR	1	
006	2003528	O-RING - LOWER INDICATOR	1	



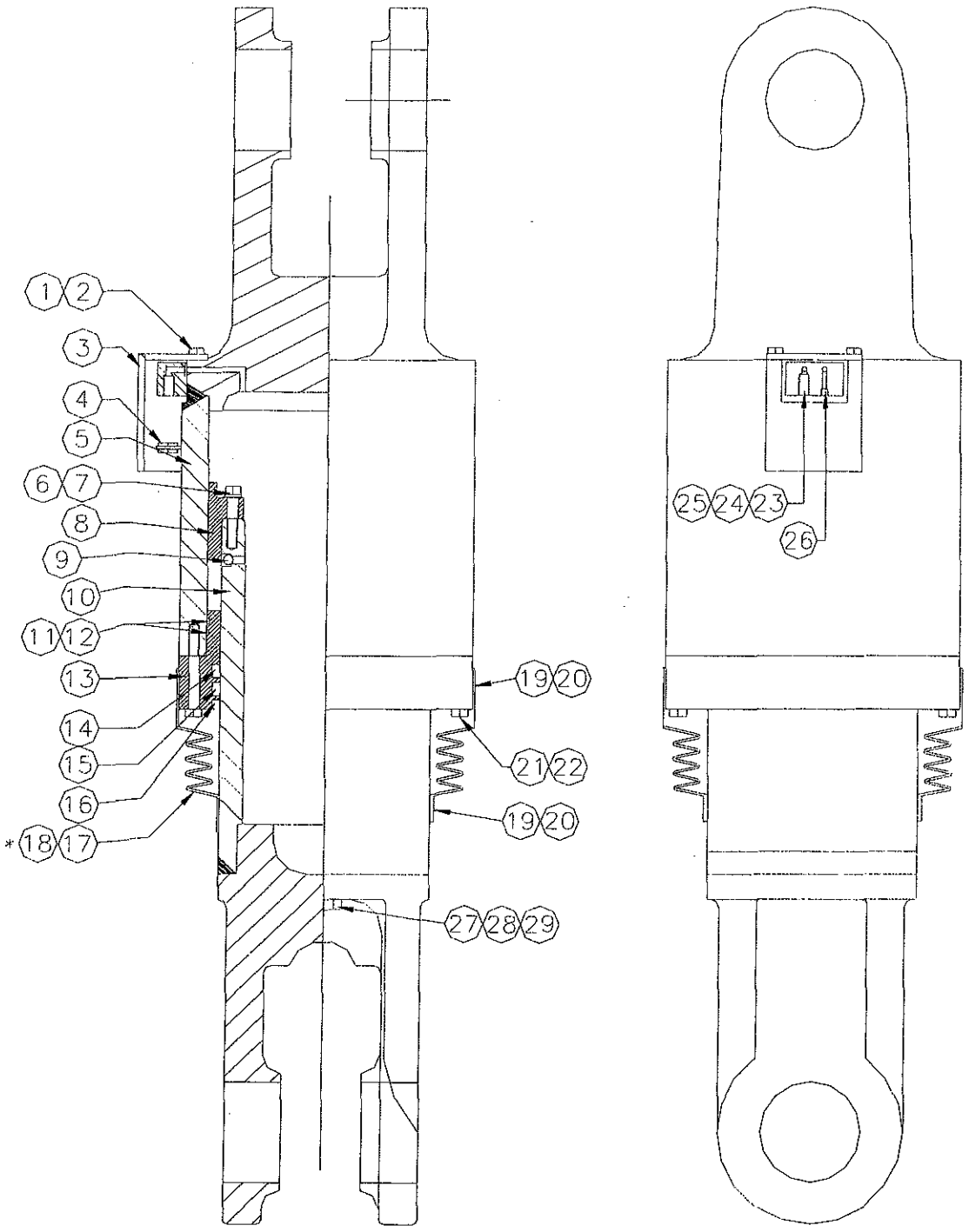
UNIT RIG
TEREX MINING
SERVICE PARTS

SPIN ON FILTER

55893

04/30/2003

SHEET 1 OF 1



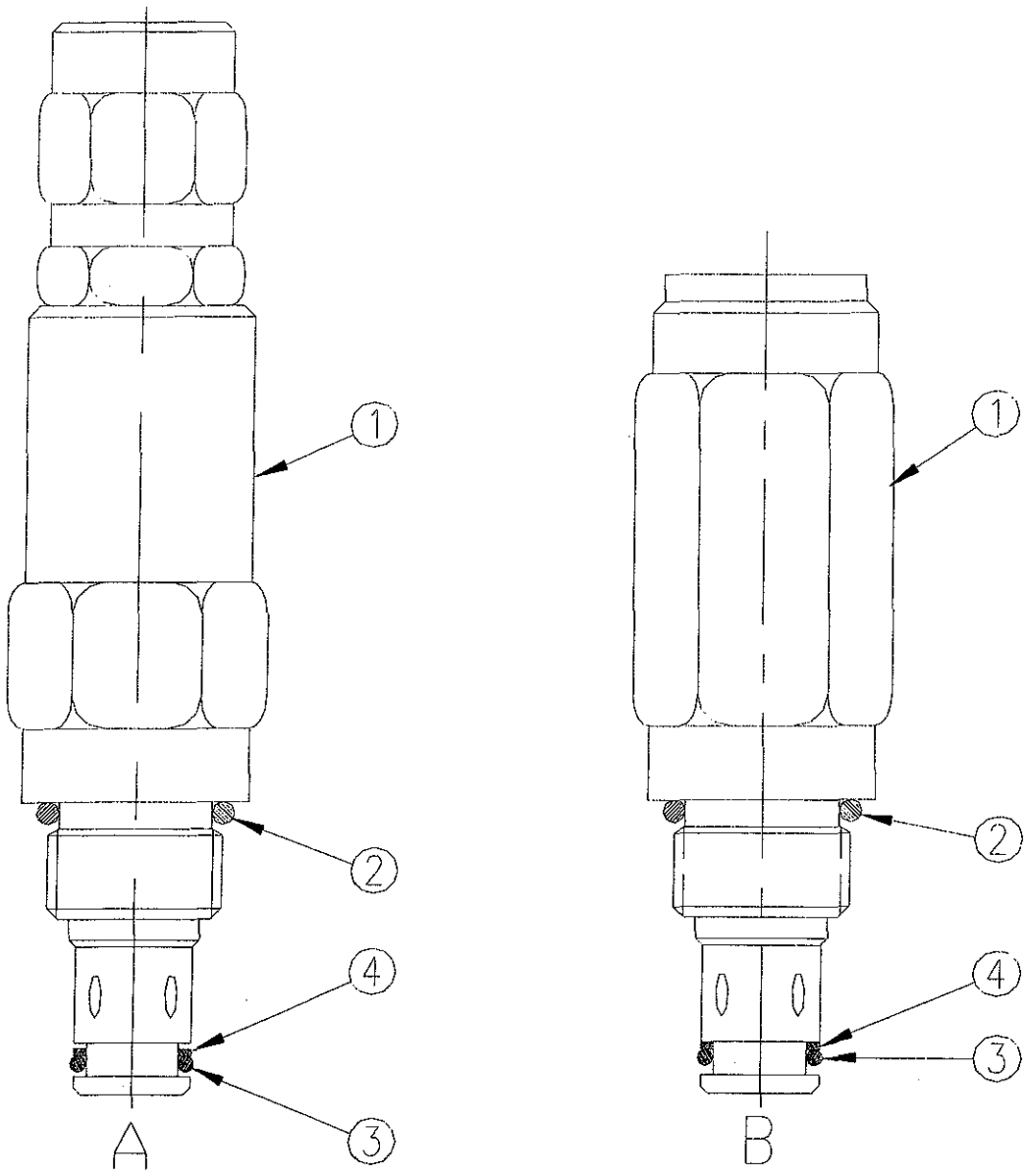
*NOTE: The optional bellows with zipper (18) allows the bellows to be serviced with the suspension mounted on the truck.

The standard bellows (17) requires the installation over the lower mounting portion of the plunger tube assembly (10) which must be removed from the truck.

TEREX|UNIT RIG SERVICE PARTS	REAR SUSPENSION	55896	
		01/04/2005	SHEET 1 OF 2

Item	P/N	Part Description	Qty.	Kits
001	51371	Capscrew, Hex (1/2-13NC X 1 Inch Long, Gr. 8, Zc & Bake)	2	
002	10182	Lockwasher, Helical (1/2 X 0.873 OD)	2	
003	2001883	Guard, Valve	1	
004	2001971	Locknut (1/2-14 NPT.)	2	
005	2001888	Outer Barrel Assembly	1	
006	22380	Capscrew, Hex (5/8-11NC X 2-1/2 Inch Long, Gr. 8)	24	
007	913240	Flatwasher, Hardened and Ground (5/8 X 1.312 OD)	24	
008	2001885	Piston	1	
009	2001973	Ball (5/8 Inch Diameter)	1	
010	2001889	Plunger Tube Assembly	1	
011		O-Ring	2	K01
012		Back-up Ring	2	K01
013	2001890	Stuffing Box	1	
014		Buffer	1	K01
015		Seal	1	K01
016		Wiper	1	K01
017		Bellows	1	K01
018	2001968	Bellows with Zipper (Option)	1	
019	51267	Clamp - Fastener, Adjustable	2	
020	51266	Clamp, Banding	120	
021	913240	Flatwasher, Hardened and Ground (5/8 X 1.312 OD)	24	
022	26128	Capscrew (5/8-11NC X 4-1/2 Inch Long, Gr. 8)	24	
023	56482	Charge Valve	1	K01
024	56481	. Core, Charge Valve	1	
025	56480	. Cap, Charge Valve	1	
026		Plug	1	K01
027		Plug, O - Ring Boss	1	
028	986270	. O - Ring (ORB - 8)	1	
029	16472	Setscrew, Sockethead (3/4-16NF X 3/4 Inch Long, Gr.2, Flat Point)	1	
K01	2001887	Seal Kit	1	

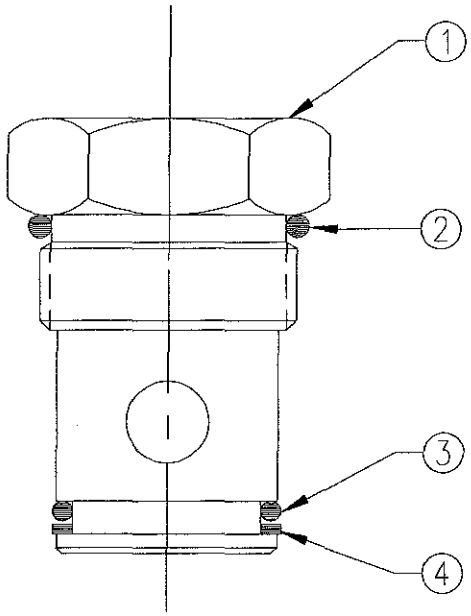
Item	P/N	Part Description	Qty.	Kits
001		VALVE CARTRIDGE	1	
002		O-RING	1	K01
003		O-RING	1	K01
004		BACK-UP RING	1	K01
K01	916344	SEAL KIT	1	



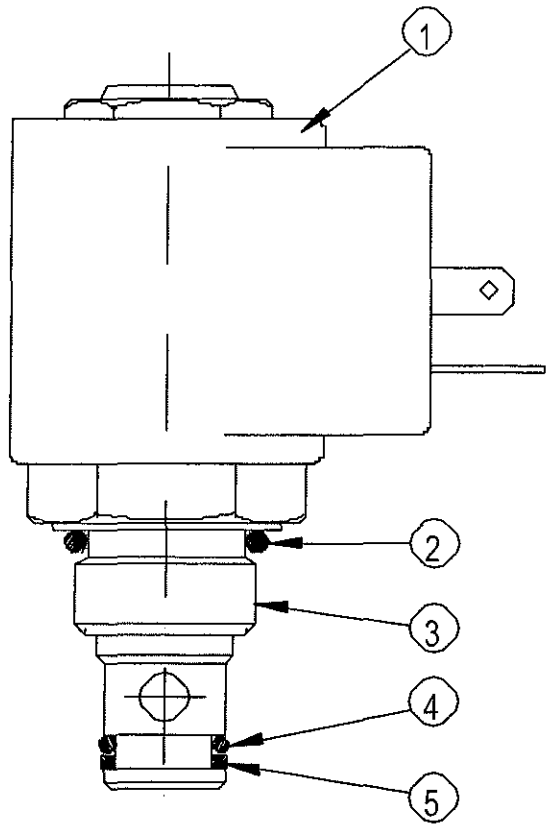
NOTE: Either **A** or **B** version is acceptable.

UNIT RIG TEREX MINING SERVICE PARTS	RELIEF CARTRIDGE VALVE	55914	
		11/13/2003	SHEET 1 OF 1

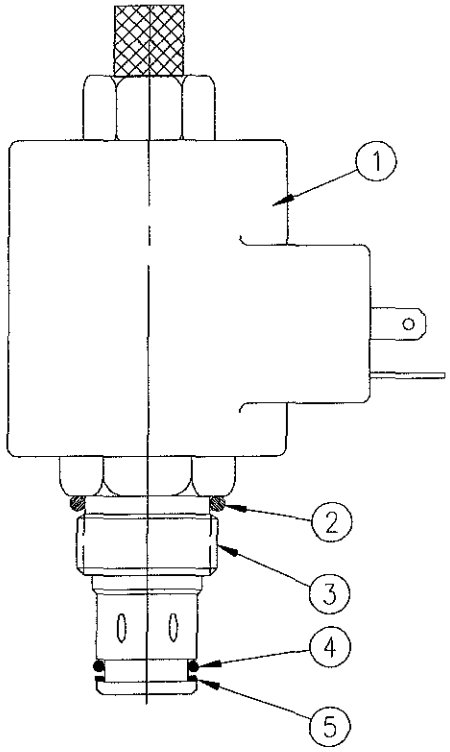
Item	P/N	Part Description	Qty	Kits
001		VALVE CARTRIDGE	1	
002		O-RING	1	K01
003		O-RING	1	K01
004		BACK-UP RING	1	K01
K01	916343	SEAL KIT	1	



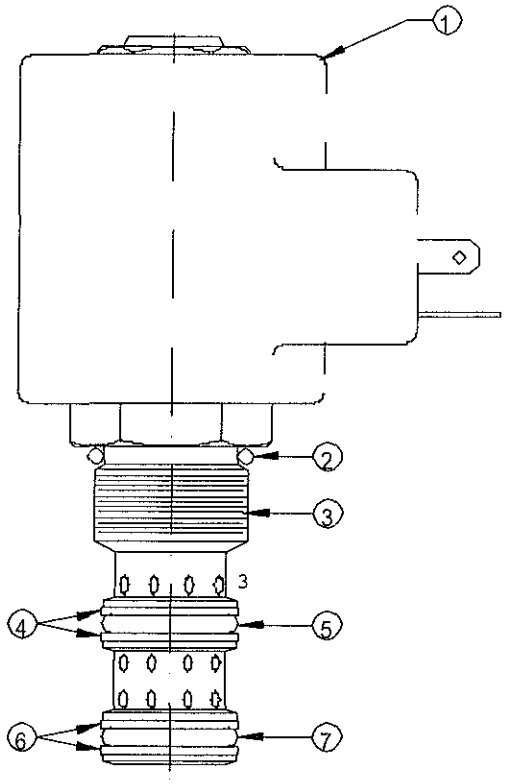
Item	P/N	Part Description	Qty	Kits
001	916345	24 VDC SOLENOID COIL	1	
002		O-RING	1	K01
003		VALVE CARTRIDGE	1	
004		O-RING	1	K01
005		BACK-UP RING	1	K01
K01	916274	SEAL KIT	1	

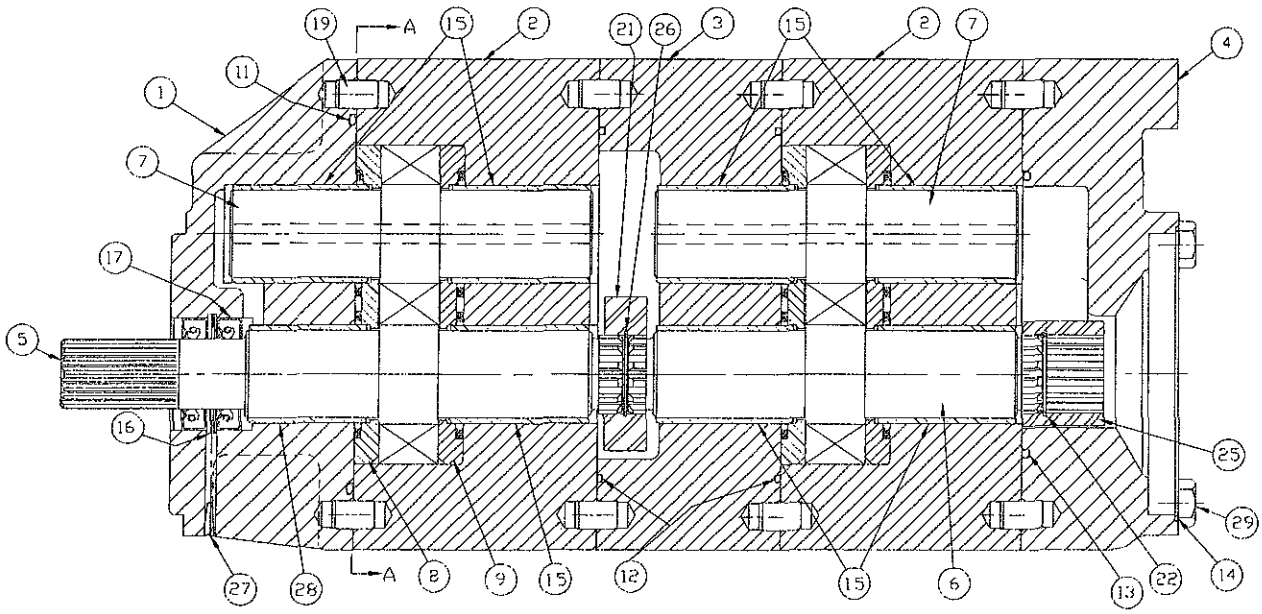


Item	P/N	Part Description	Qty	Kits
001	916342	24 VDC SOLENOID COIL	1	
002		O-RING	1	K01
003		VALVE CARTRIDGE	1	
004		O-RING	1	K01
005		BACK-UP RING	1	K01
K01	916273	SEAL KIT	1	

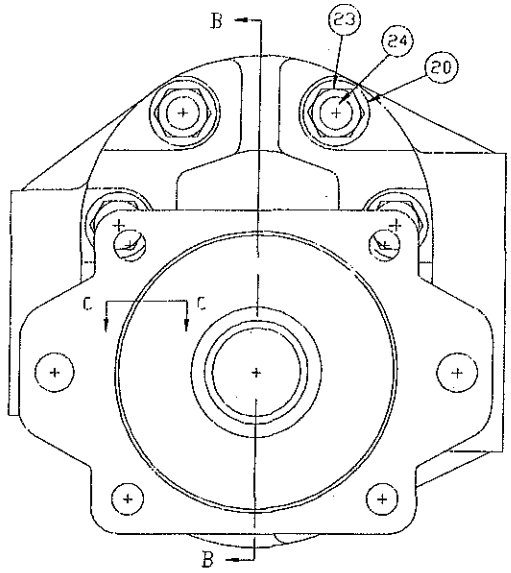


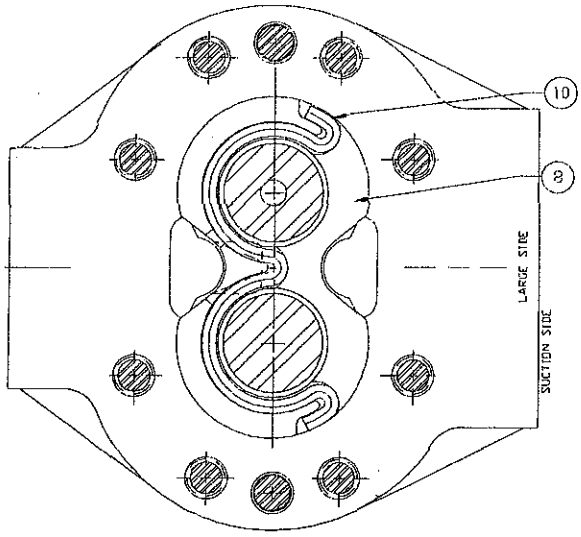
Item	P/N	Part Description	Qty	Kits
001	916342	24 VDC SOLENOID COIL	1	
002		O-RING	1	K01
003		VALVE CARTRIDGE	1	
004		BACK-UP RING	2	K01
005		O-RING	1	K01
006		BACK-UP RING	2	K01
007		O-RING	1	K01
K01	916381	SEAL KIT	1	



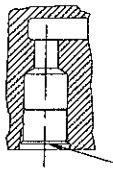


SECTION B-B





SECTION A-A



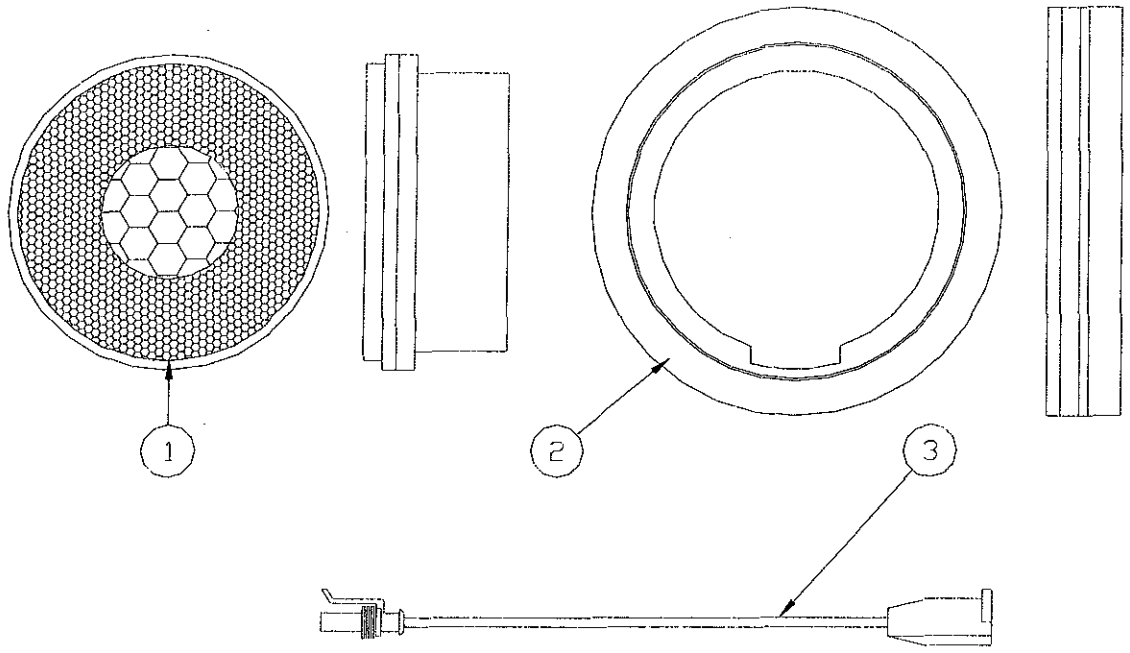
18 INSTALL PLUG ON DISCHARGE SIDE OF FLANGE BELOW SURFACE.

SECTION C-C

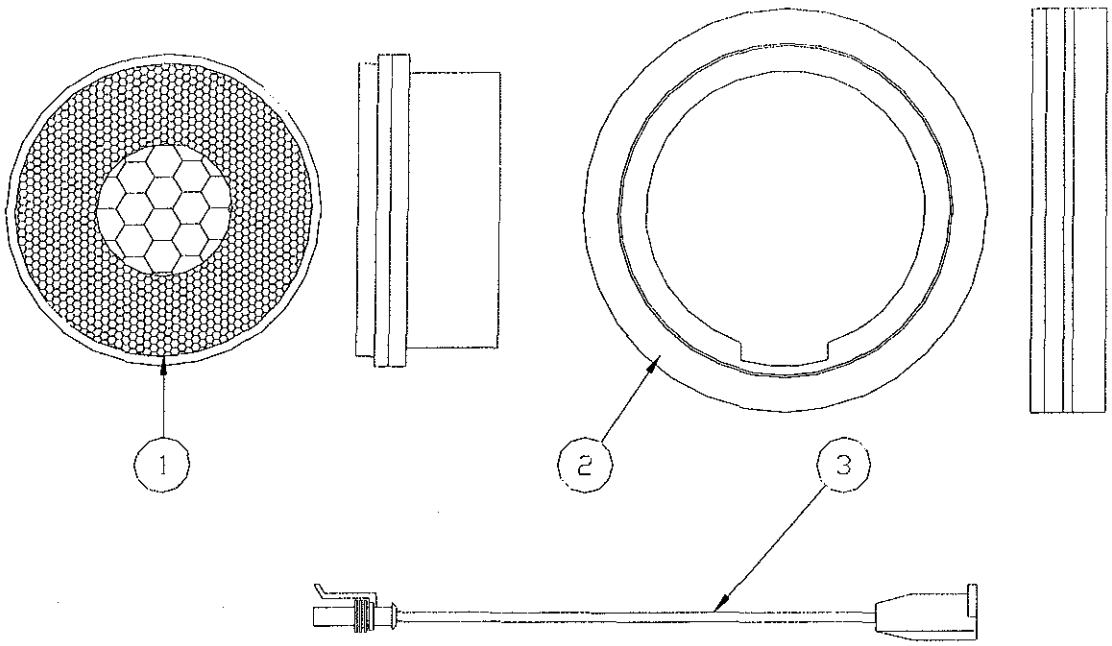
TEREX|UNIT RIG SERVICE PARTS	TANDEM GEAR PUMP	56090
		04/21/2004 | SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		Flange	1	
002		Body	2	
003		Plate - Bearing	1	
004		Plate - Adapter	1	
005	2002092	Drive Gear - Front	1	
006	2002093	Drive Gear - Rear	1	
007	2002094	Idler Gear	2	
008	2002095	Pressure Plate - Top	2	
009	2002096	Pressure Plate - Bottom	2	
010		Sealing Strip	8	K01
011		O-Ring	1	K01
012		O-Ring	2	K01
013		O-Ring	1	K01
014	55908	O-Ring	1	
015	2002132	Journal Bearing	7	
016		Snap Ring	1	K01
017		Seal	2	K01
018		Plug	1	
019		Dowels	8	
020		Washer	8	
021	2005156	Coupling	1	
022	2005158	Snap Ring	1	
023		Nut	8	
024		Stud	8	
025	2005159	Coupling	1	
026	2005160	Snap Ring	1	
027		Plug	1	K01
028	2002133	Journal Bearing	1	
029		Capscrew	4	
K01	2002091	Kit - Seal	1	

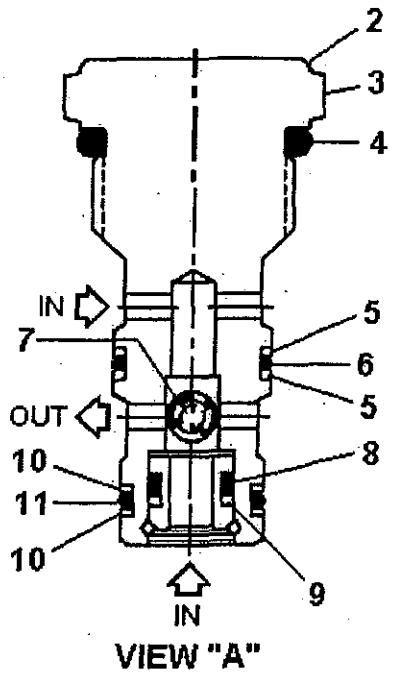
Item	P/N	Part Description	Qty	Kits
001		Lens, Amber	1	
002	916051	Grommet	1	
003	2003532	Harness, Pigtail	1	



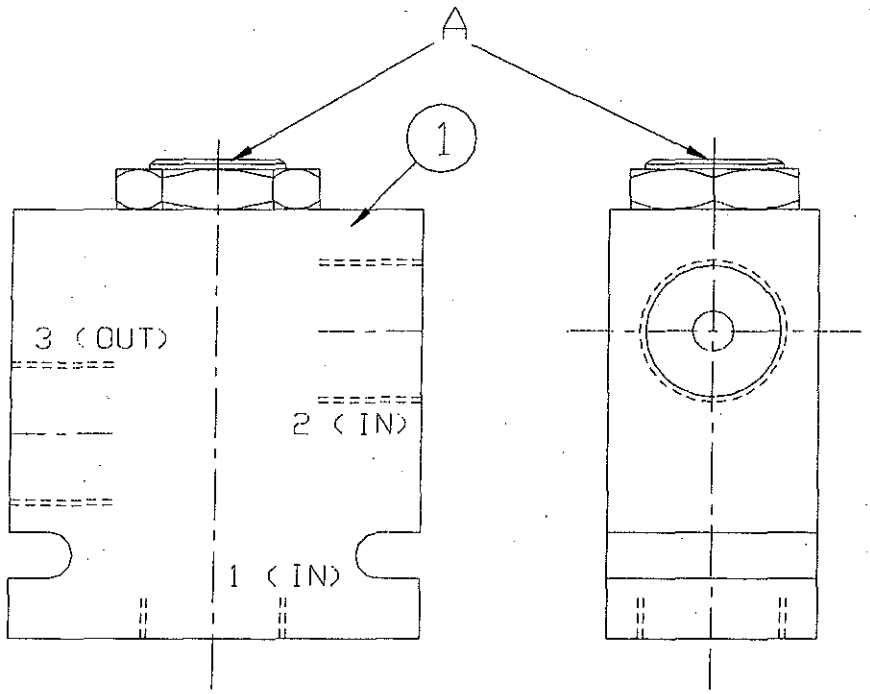
Item	P/N	Part Description	Qty	Kits
001		Lens, Red	1	
002	916051	Grommet	1	
003	2003532	Harness, Pigtail	1	



Item	P/N	Part Description	Qty.	Kits
001		Body	1	
002		Cartridge	1	
003		Lock Nut	1	
004		O-ring	1	K01
005		Back-up Rings	2	K01
006		O-ring	1	K01
007		Check Ball	1	
008		O-ring	1	K01
009		Back-up Ring	1	K01
010		Back-up Ring	2	K01
011		O-ring	1	K01
K01	2005056	Kit - Seal	1	

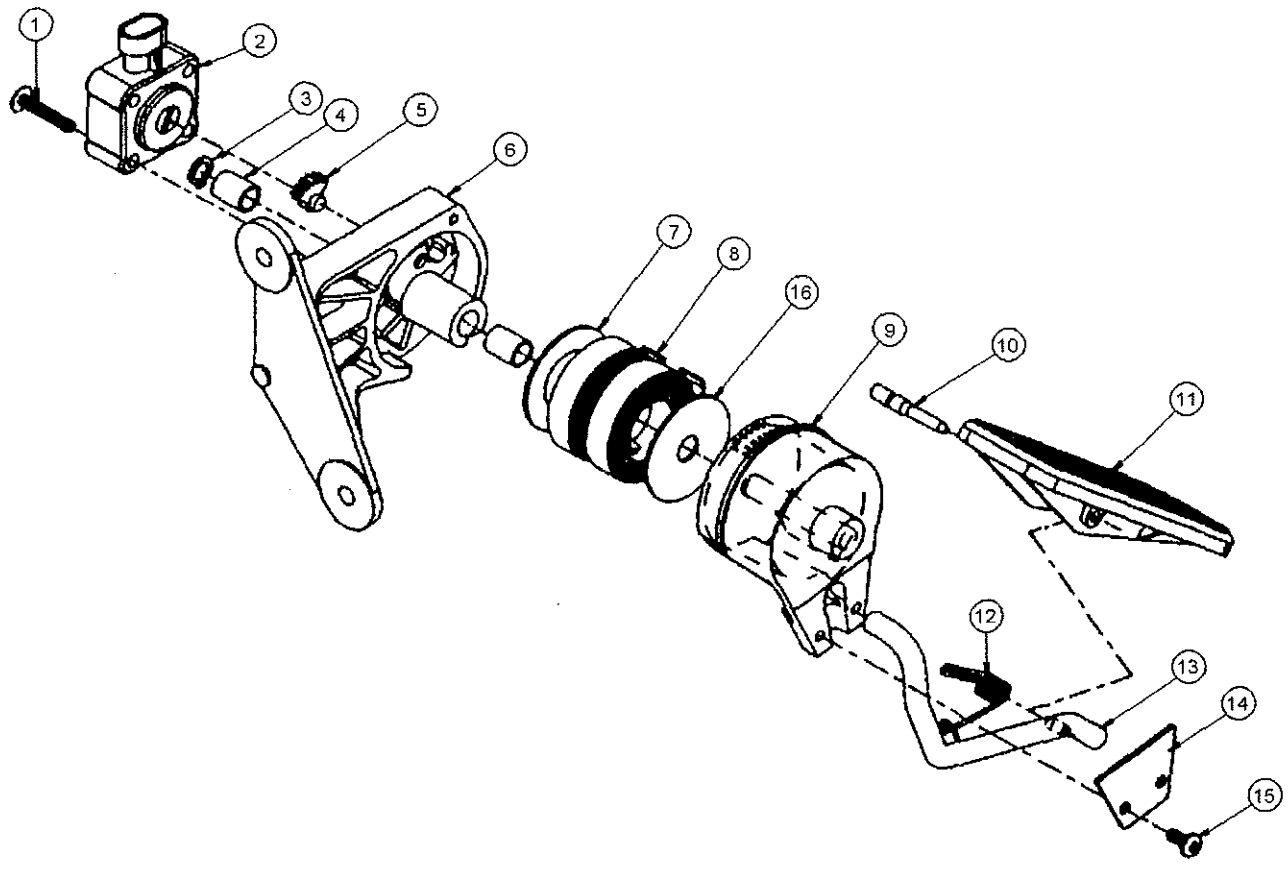


VIEW "A"



UNIT RIG TEREX MINING SERVICE PARTS	VALVE - SHUTTLE	56152	
		12/10/2003	SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
001		SCREW	2	K1
002		SENSOR	1	K1
003	916405	RING, RETAINING	1	
004	916404	BUSHING, SHAFT	2	
005	916403	GEAR	1	
006		BASE, THROTTLE	1	
007		WASHER	1	
008		SPRING	2	
009		HOUSING, GEAR	1	
010	916401	PIN, PEDAL	1	
011	916400	PEDAL, THROTTLE	1	
012	916402	SPRING, PEDAL RETURN	1	
013		LEVER, PEDAL	1	
014		CLAMP	1	
015	52345	SCREW	2	
016		THRUST WASHER	1	
017		SCREW (NOT SHOWN)	2	
018		BRACKET (NOT SHOWN)	1	
K1	2000309	KIT, SENSOR	1	



UNIT RIG
TEREX MINING
SERVICE PARTS

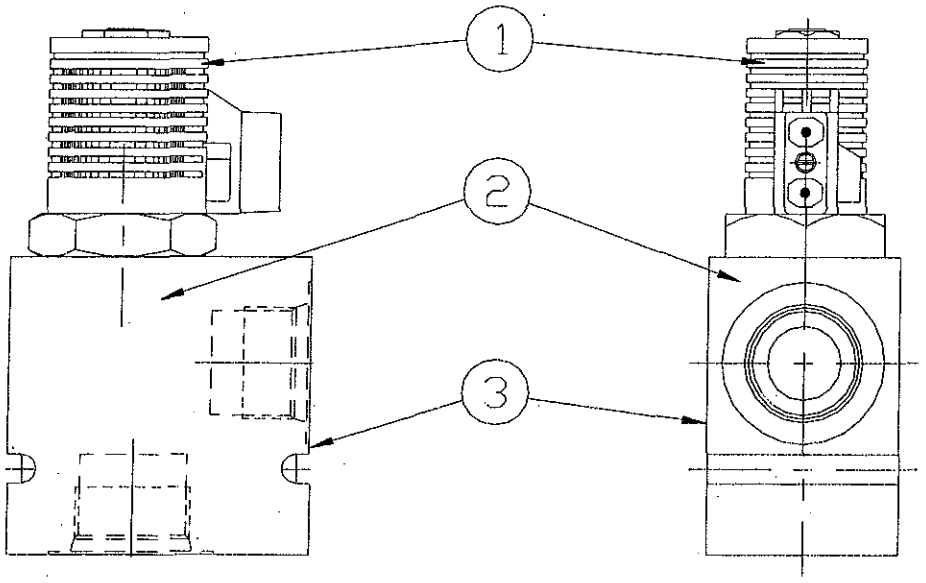
ELECTRONIC PEDAL

56153

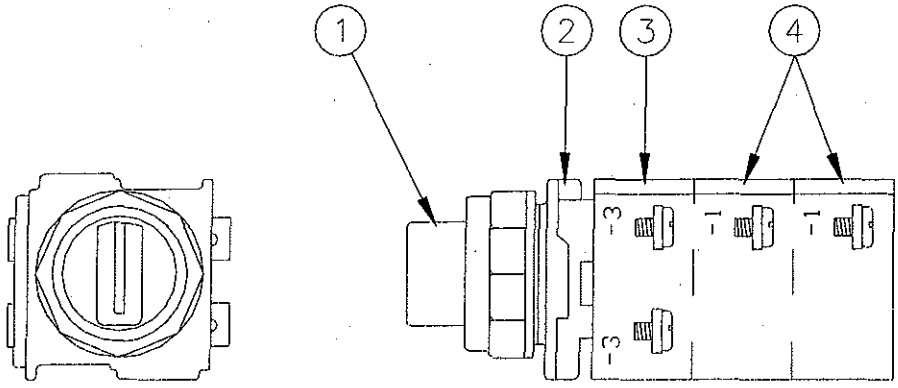
06/06/2000

SHEET 1 OF 1

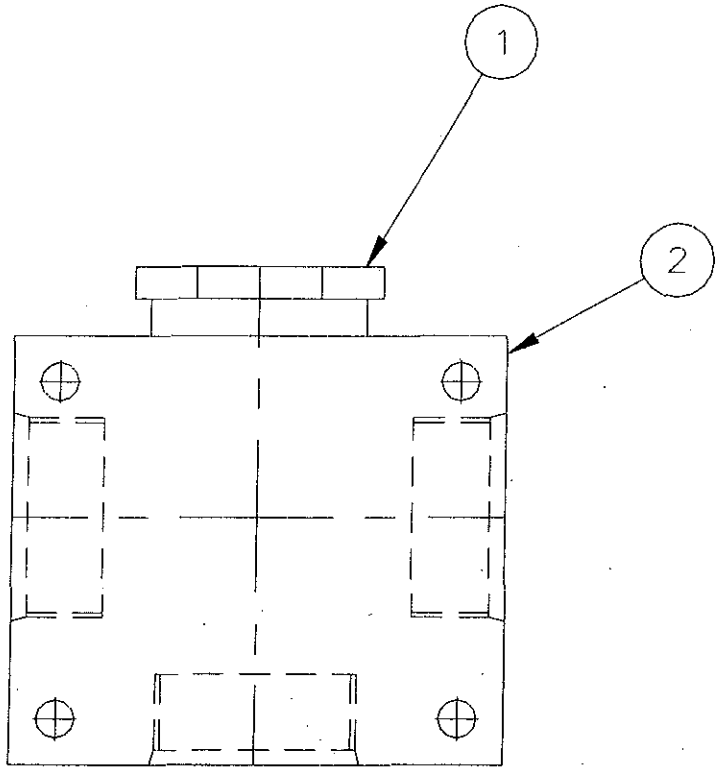
Item	P/N	Part Description	Qty.	Kits
001	2004598	Coil - 24 VDC	1	
002	56596	Cartridge (Only)	1	
003		Body	1	



Item	P/N	Part Description	Qty	Kits
001	701210	OPERATING LEVER	1	
002	2002552	OPERATOR	1	
003	2002553	CONTACT BLOCK	1	
004	2001585	CONTACT BLOCK (NC)	2	



Item	P/N	Part Description	Qty	Kits
001	56638	Oil Thermostat	1	
002	80243E	Thermostat Manifold	1	



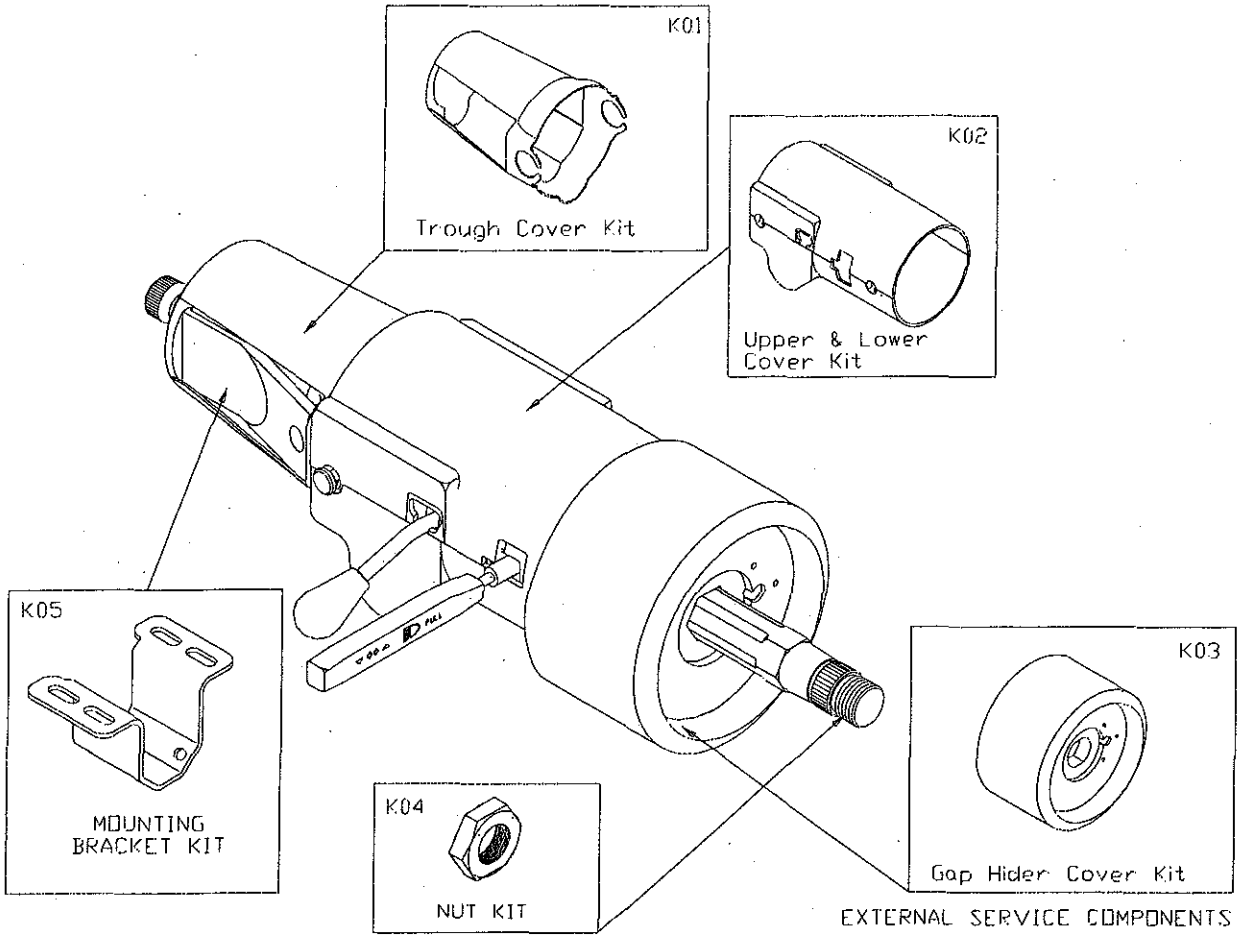
UNIT RIG
TEREX MINING
SERVICE PARTS

THERMOSTATIC VALVE

56323

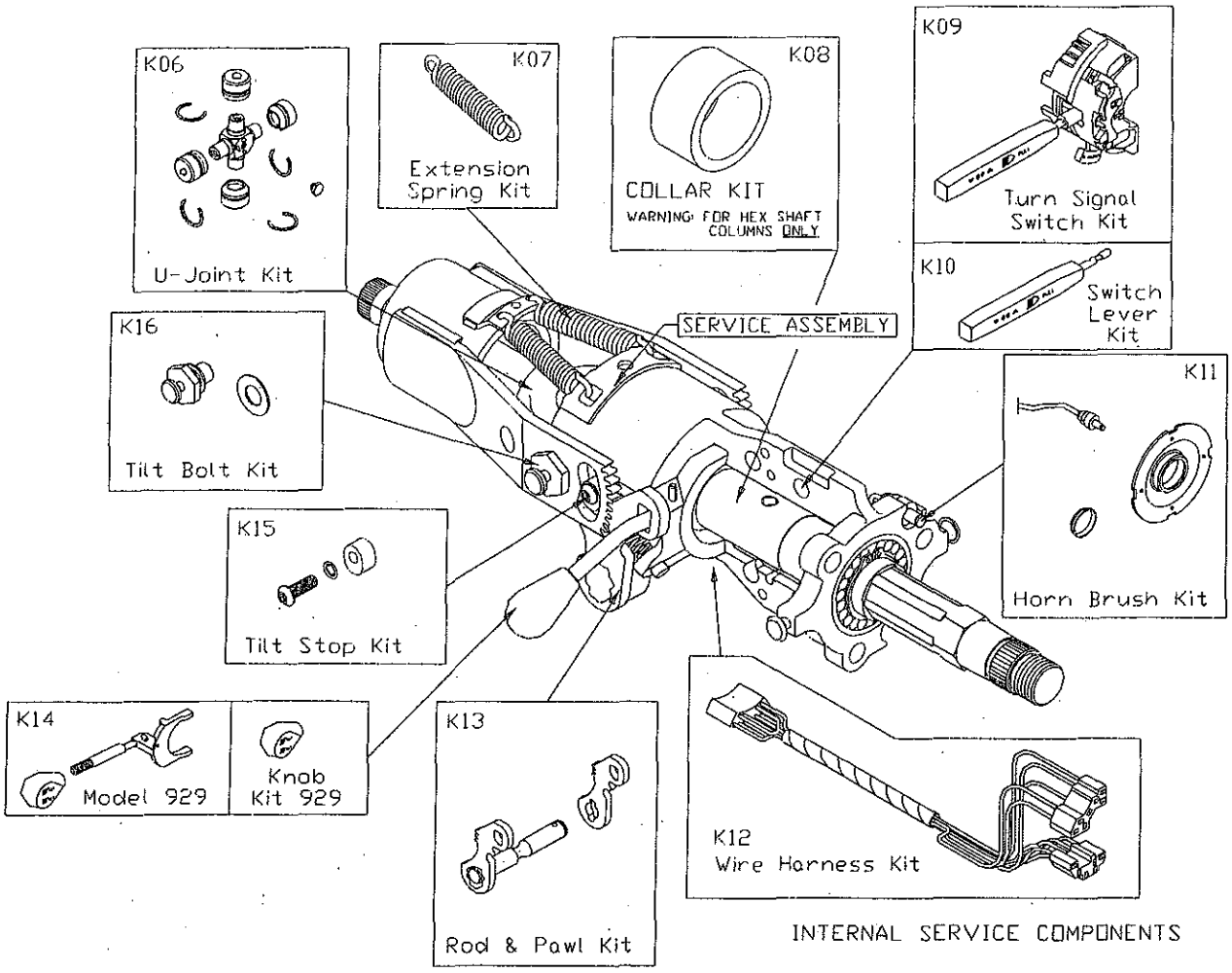
08/13/2001

SHEET 1 OF 1



EXTERNAL SERVICE COMPONENTS

UNIT RIG TEREX MINING SERVICE PARTS	STEERING COLUMN ASSEMBLY	56346	
		04/19/2002	SHEET 1 OF 3

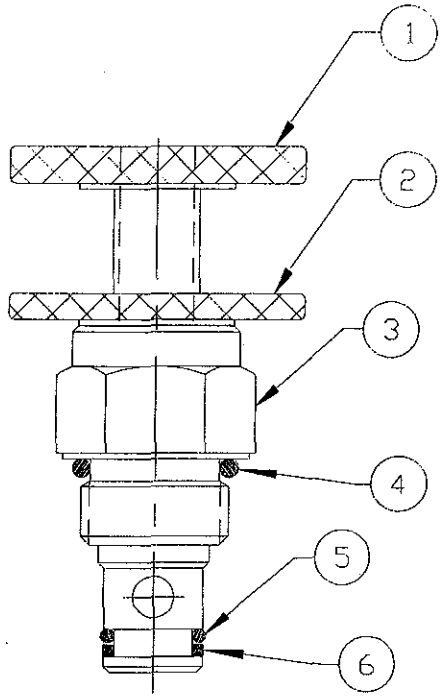


INTERNAL SERVICE COMPONENTS

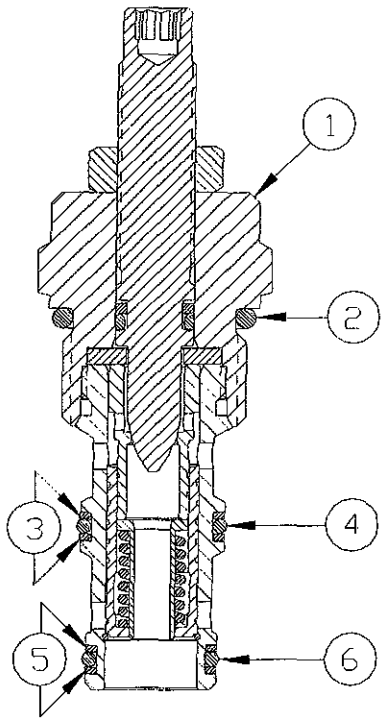
Item	P/N	Part Description	Qty	Kits
K01	2004160	Trough Cover Kit	1	
K02	* **2001994** *	Upper and Lower Cover Kit *See SPD*	1	
K03	2004161	Gap Hider Cover Kit	1	
K04	2002545	Nut Kit	1	
K05		Mounting Bracket Kit	1	
K06	* **2001996** *	U-Joint Kit *See SPD*	1	
K07	2004162	Extension Spring Kit	1	
K08	2004163	Collar Kit	1	
K09	* **2001993** *	Turn Signal Switch Kit *See SPD*	1	
K10	2002543	Switch Lever Kit	1	
K11	2004164	Horn Brush Kit	1	
K12	* **2001995** *	Wire Harness Kit *See SPD*	1	
K13	2004165	Rod and Pawl Kit	1	
K14	2004166	Knob Kit, Model 929	1	
K15	2004167	Tilt Stop Kit	1	
K16	2004168	Tilt Bolt Kit	1	

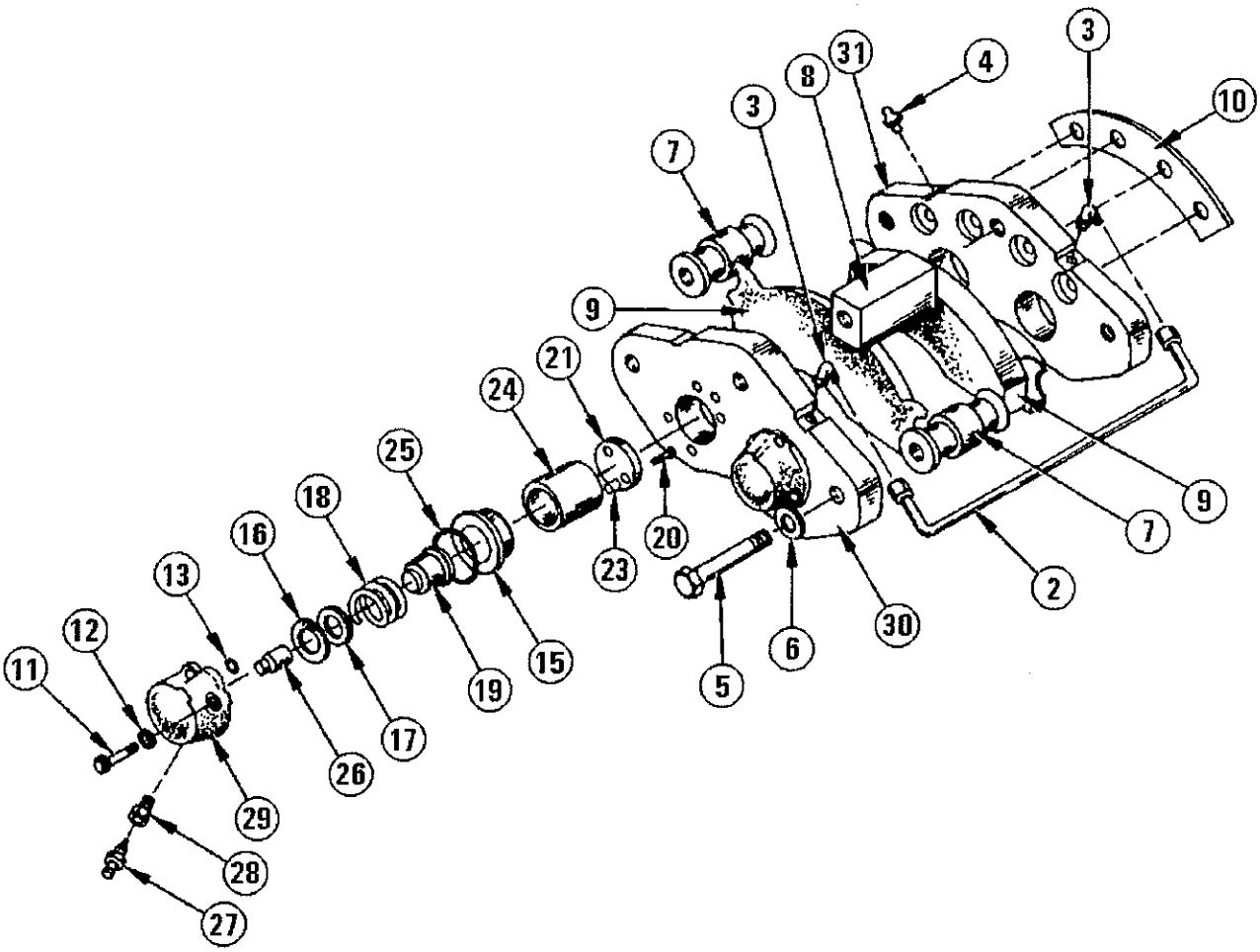
*** SEE SERVICE PARTS**

Item	P/N	Part Description	Qty	Kits
001		Knob, Adjusting	1	
002		Knob, Locking	1	
003		Body, Cartridge	1	
004		O-Ring	1	K01
005		O-Ring	1	K01
006		Back-Up Ring	1	K01
K01	916470	Seal Kit	1	



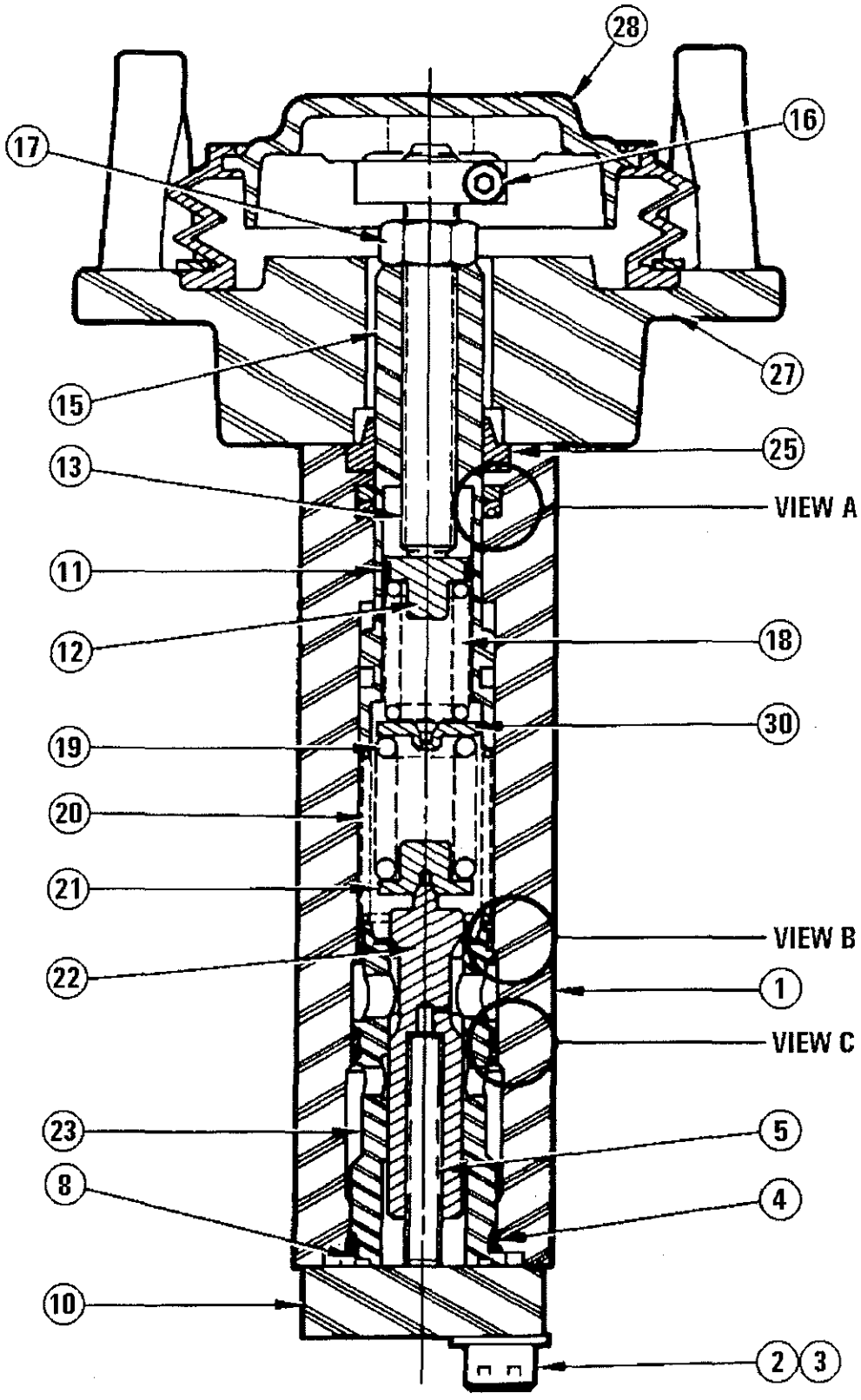
Item	P/N	Part Description	Qty	Kits
001		Cartridge, Flow Control Valve	1	
002		O-ring	1	K01
003		Back-up Ring	2	K01
004		O-ring	1	K01
005		Back-up Ring	2	K01
006		O-ring	1	K01
K01	916467	Kit, Seal	1	



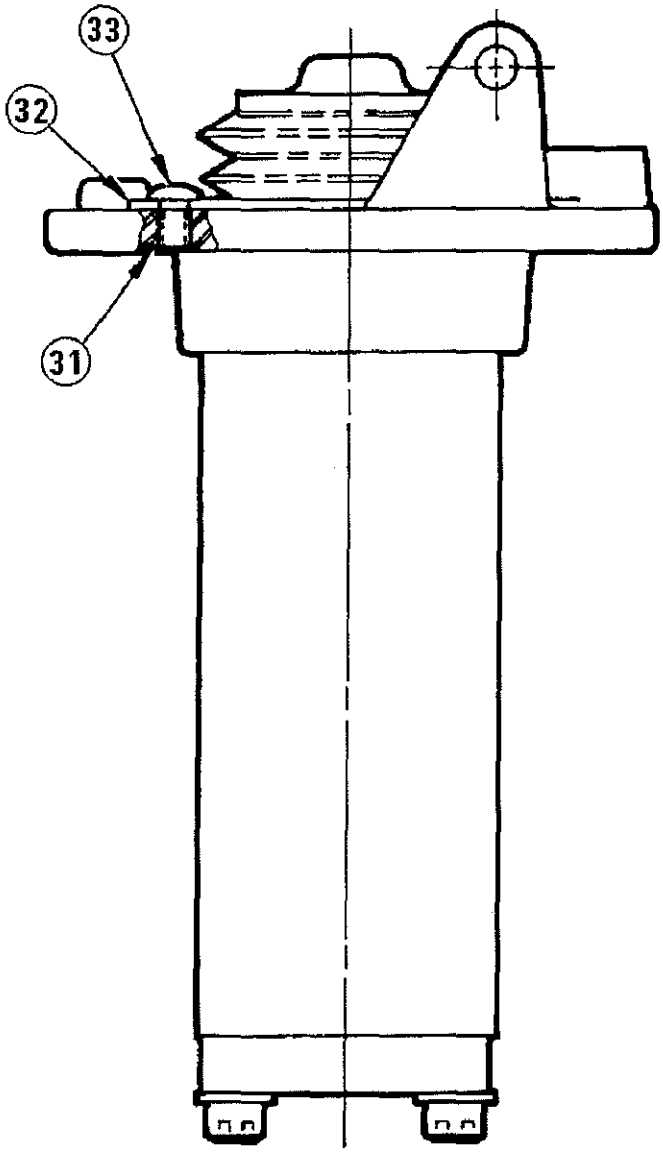


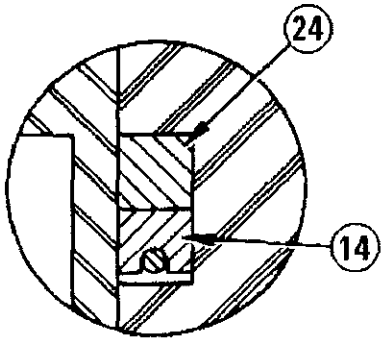
UNIT RIG TEREX MINING SERVICE PARTS	REAR BRAKE CALIPER ASSEMBLY	56412	
		02/24/2000	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		BRAKE HEAD ASSEMBLY	1	
002	912611	. TUBE AND NUT ASSEMBLY	1	
003	23810	. CONNECTOR	2	
004	913151	. BLEEDER SCREW	1	
005	26824	. BOLT	3	
006	913739	. WASHER	3	
007	916148	. SPACER	2	
008	912615	. SPACER	1	
009	915785	. LINING AND CARRIER ASSEMBLY	2	
010	912782	. SHIM	1	K02
011	900743	. SCREW	16	
012	900744	. WASHER	16	
013		. PACKING, PREFORMED	4	K01, K03
014	2003148	. PISTON AND HOUSING ASSEMBLY	4	
015		. . BOOT	4	K01, K03
016	900748	. . RETAINING RING	4	K03
017	900749	. . WASHER, FLAT	4	K03
018	900750	. . SPRING, HELICAL COMPRESSION	4	K03
019	916413	. . SLEEVE, ADJUSTER	4	K03
020	900752	. . BOLT	12	K03
021	916436	. . INSULATOR	4	K03
022	900755	. . PISTON ASSEMBLY	4	
023	900754	. . . INSERT (HELI-COIL)	12	K03
024		. . . PISTON	4	K03
025		. . PACKING, PREFORMED	4	K01, K03
026	900757	. . GUIDE, ADJUSTER	4	K03
027	900774	. . BLEEDER	4	
028	24726	. . PLUG	4	
029		. . HOUSING, PISTON	4	
030	916188	. TORQUE PLATE	1	
031	916189	. TORQUE PLATE	1	
K01	53140	PARTS KIT (CONTAINS 4 EA.)	1	
K02	915724	PARTS KIT (CONTAINS 16 EA.)	1	
K03	2003147	OVERHAUL KIT (REBUILDS ONE OF ITEM 14)	4	

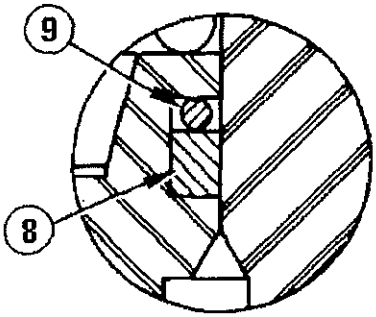


UNIT RIG TEREX MINING SERVICE PARTS	BRAKE VALVE ASSEMBLY	56417	
		02/02/2000	SHEET 1 OF 4

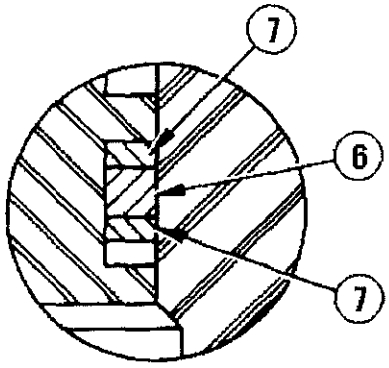




VIEW A

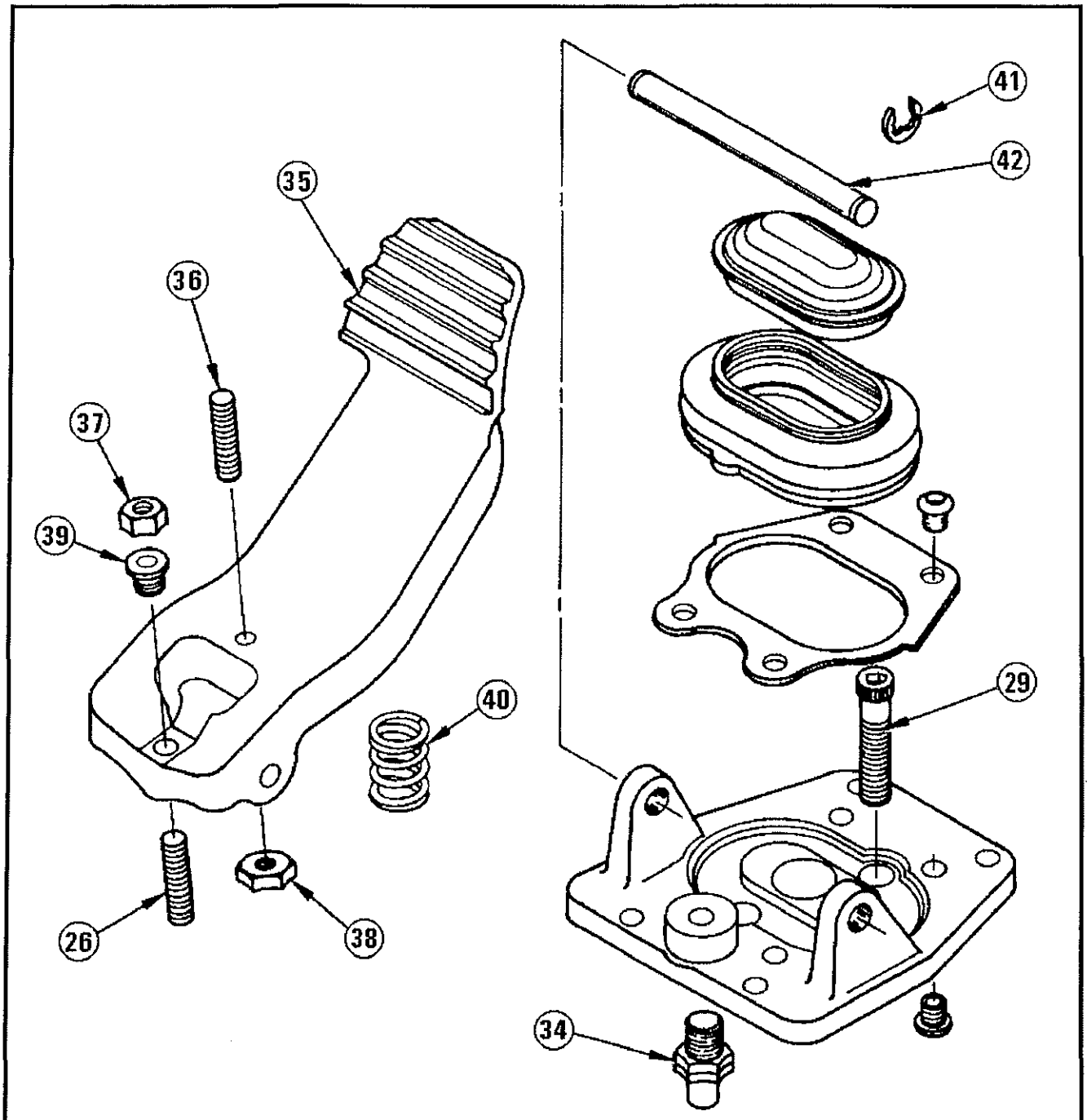


VIEW B



VIEW C

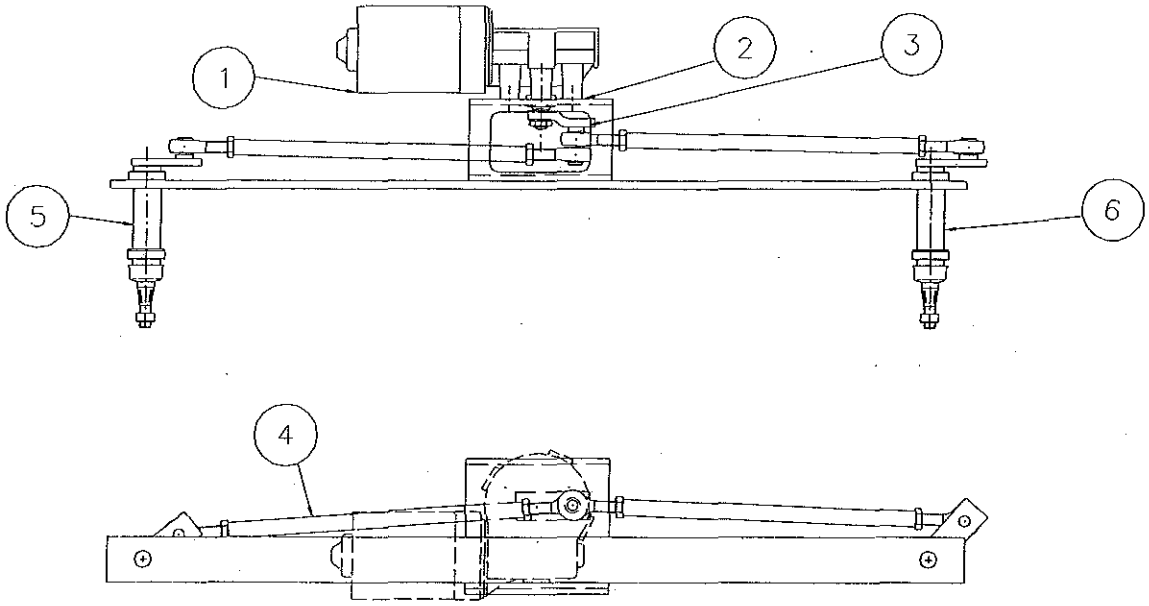
UNIT RIG TEREX MINING SERVICE PARTS	BRAKE VALVE ASSEMBLY	56417	
		02/02/2000	SHEET 2 OF 4



Item	P/N	Part Description	Qty	Kits
K01	2000815	Spring Kit	1	
K02	2000613	Seal Kit	1	
K03	2000610	Boot Kit	1	
K04	2000615	Spool/Sleeve Kit	1	

Item	P/N	Part Description	Qty	Kits
001		Body	1	
002		Screw	2	
003		Washer	2	
004		Seal	1	K02
005		Spring - Spool	1	K01
006		Seal	1	K02
007		Back-up Ring	2	K02
008		Seal	2	K02
009		Back-up Ring	1	K02
010		Retainer - Sleeve	1	
011		Seal	1	K02
012		Seat - Staging Spring	1	
013		Stud, 3/8-24 x 3	1	
014		Seal	1	K02
015		Plunger	1	
016		Collar	1	
017		Nut	1	
018		Spring - Staging	1	K01
019		Spring - Regulator	1	K01
020		Spring - Plunger	1	K01
021		Spring Seat	1	
022		Spool	1	K04
023		Sleeve	1	K04
024		Back-up Ring	1	K02
025		Seal - Wiper	1	K02
026		Screw	1	
027		Actuator Base	1	
028		Boot Kit	1	K03
029		Screw	2	
030		Seat - Spring, 3/8-3/4	1	
031		Insert, 1/4-20	4	
032		Plate - Boot	1	
033		Screw	4	
034	53963	Proximity Switch	1	
035		Pedal	1	
036		Screw	1	
037		Nut	1	
038		Nut	1	
039		Insert	1	
040		Return Spring	1	
041		Retainer Plug	2	
042		Pin	1	

Item	P/N	Part Description	Qty	Kits
001	2003890	30 Nm 24V Motor with Fittings	1	
002	2003910	Dual Pendulum Bracket	1	
003	2003916	25 Drive Crank,Sub Assembly	1	
004	2003922	Tie Bar	2	
005	2003923	M20 Liner S.A. - 30.5 CRS 90 Liner	1	
006	2003924	M20 Liner S.A. - 37 CRS 90 Liner	1	



UNIT RIG
TEREX MINING
SERVICE PARTS

WIPER DRIVE ASSEMBLY

56460

06/21/2002

SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
K01	916381	Seal Kit	1	

UNIT RIG
TEREX MINING
SERVICE PARTS

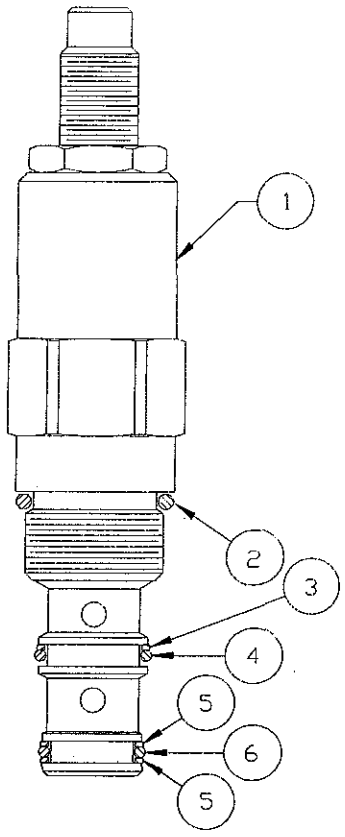
PLUG - CARTRIDGE VALVE

56602

06/07/2001

SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
001		Valve, Pressure Regulator, Cartridge	1	
002		O-ring	1	K01
003		Back-up Ring	1	K01
004		O-ring	1	K01
005		Back-up Ring	2	K01
006		O-ring	1	K01
K01	916446	Seal Kit	1	



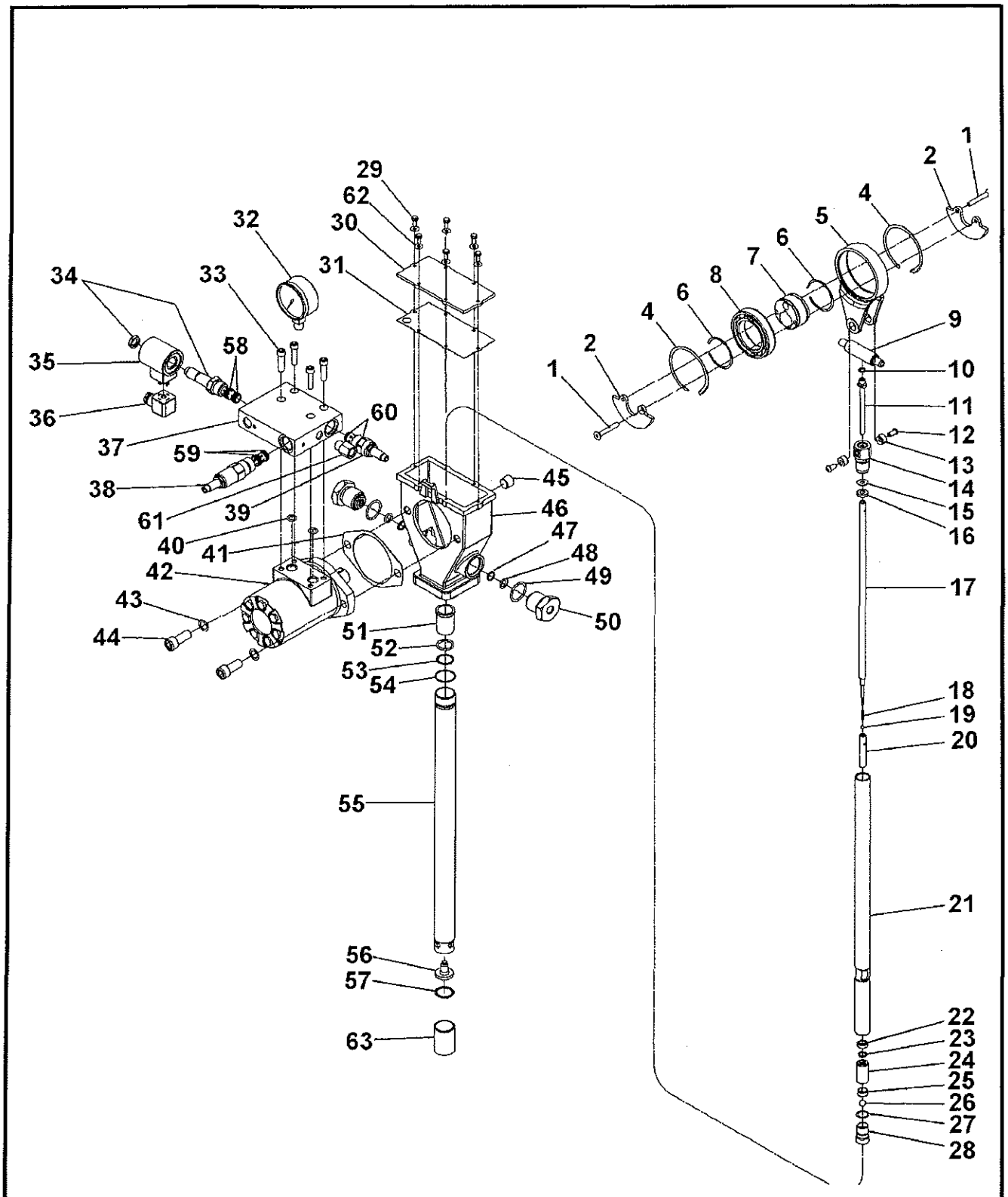
UNIT RIG
TEREX MINING
SERVICE PARTS

CARTRIDGE PRESSURE REGULATOR VALVE

56603

10/03/2001

SHEET 1 OF 1



TEREX | UNIT RIG SERVICE PARTS	ROTARY DRIVEN HYDRAULIC GREASE PUMP	56618	
		02/08/2005	SHEET 1 OF 3

Item	P/N	Part Description	Qty	Kits
001		Flathead Screw	2	
002		Outer Weight	2	
003		Inner Weight	2	
004		Retainer Ring	2	
005	2005288	Crankrod	1	
006		Retaining Ring	2	
007		Crank Eccentric	1	
008		Ball Bearing	1	
009		Outlet Pin	1	
010		O-Ring (Nitrile)	1	K01
011		Plunger Tube	1	
012	2005289	Button Head Screw	2	
013	2005290	Wrist Pin Bushing	2	
014	2005291	Wrist Pin Anchor	1	
015		Back-up Washer	1	K01
016		Cup Seal (Polyurethane)	1	K01
017	2005161	Link Rod (Plunger)	1	
018	2005292	Spring	1	
019	1025369	Ball	1	
020	2004606	Pump Plunger	1	
021	2005436	Reciprocating Tube	1	
022		Cup Seal (Polyurethane)	1	K01
023		O-Ring (Polyurethane)	1	K01
024		Pump Cylinder	1	
025	2005293	Ball Cage	1	
026	2004695	Ball	1	
027		O-Ring (Nitrile)	1	K01
028		Check Seat	1	
029		Self Threading Screw (#8-1/2)	6	
030		Housing Cover	1	
031		Cover Gasket (Nitrile)	1	K01
032	2002861	Pressure Gauge	1	
033		Socket Head Screw	4	
034	2003966	Solenoid Valve Cartridge (Includes item 58, Seal Kit)	1	
035	2002862	Solenoid Valve Coil (24 Vdc)	1	
036	2001291	Solenoid Connector	1	
037	2005128	Manifold	1	
038	2002863	Valve, Pressure Reducing (Includes item 59, Seal Kit)	1	
039	2002864	Valve, Flow Control (Includes item 60, Seal Kit)	1	
040		O-Ring (Nitrile)	2	K01
041		Motor Gasket	1	K01
042 *	**2002865 ***	**Motor, Hydraulic (Includes Items 40 and 41) (*See Service Parts*)**	1	
043		Washer	2	
044		Socket Head Screw	2	
045		Pipe Plug	1	
046	2004798	Pump Housing	1	
047		Back-up Ring (Nitrile)	2	K01
048		O-Ring (Nitrile)	2	K01
049		O-Ring (Nitrile)	2	K01
050		Outlet Pin Nut	2	
051		Bronze Bearing	1	
052		O-Ring (Nitrile)	1	K01

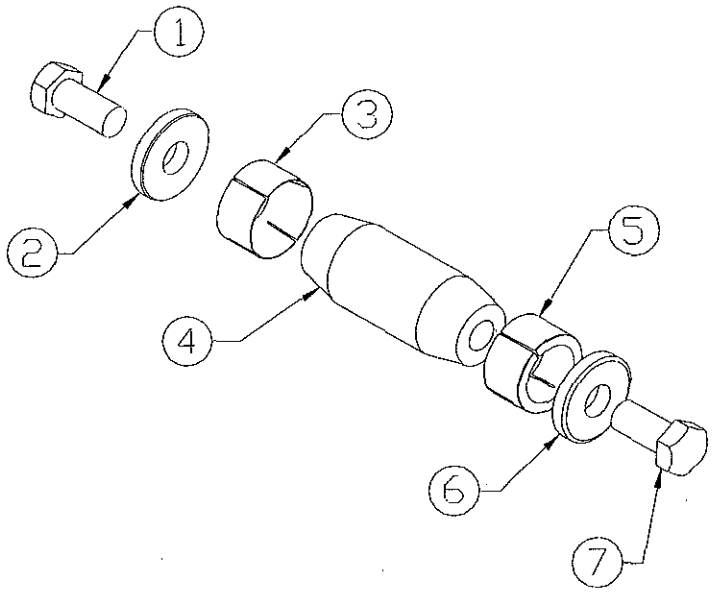
*** SEE SERVICE PARTS**

Item	P/N	Part Description	Qty	Kits
053		Back-up Washer	1	K01
054		O-Ring (Nitrile)	1	K01
055	2005437	Housing Tube	1	
056		Shovel Plug	1	
057	2004396	Retaining Ring	1	
058	2003016	Seal Kit (Nitrile)	1	
059	2003017	Seal Kit (Nitrile)	1	
060	2003018	Seal Kit (Nitrile)	1	
061	2005435	Orifice Fitting	1	
062		Gasket	6	
063		Inlet Strainer (Available)	1	
K01	2002866	Kit, Repair, Pump (Soft Parts Kit)	1	

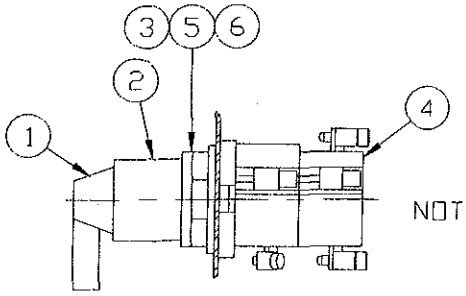
Item	P/N	Part Description	Qty.	Kits
001	2002959	Core, Valve Stem	1	
002	2003937	Cap, Valve	1	

Item	P/N	Part Description	Qty.	Kits
001	2002959	Core, Valve Stem	1	
002	2003937	Cap, Valve	1	

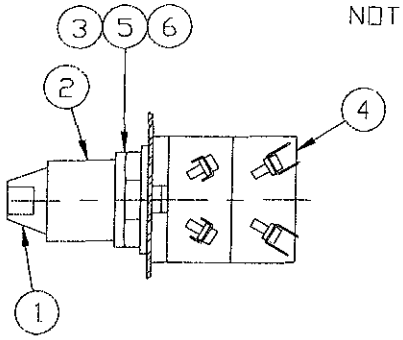
Item	P/N	Part Description	Qty	Kits
001	56986	Capscrew, M24 - 2.00 Expander	1	
002	56988	Washer, Expander, For 2-1/2 Inch Pin	1	
003	56987	Sleeve, Expander, For 2-1/2 Inch Pin	1	
004	56995	Pin, 2-1/2 Inch Straight, Expander 6.26 Long	1	
005	56987	Sleeve, Expander, For 2-1/2 Inch Pin	1	
006	56988	Washer, Expander, For 2-1/2 Inch Pin	1	
007	56986	Capscrew, M24 - 2.00 Expander	1	



Item	P/N	Part Description	Qty	Kits
001	2001584	LIGHTED LEVER (AMBER)	1	
002	2004973	OPERATOR	1	
003	52542	LAMP	1	
004	2001587	CONTACT BLOCK	1	
005	916421	LED LAMP, YELLOW	1	
006	916423	LED LAMP, YELLOW	1	
007	916422	TOOL, LAMP REMOVAL	1	

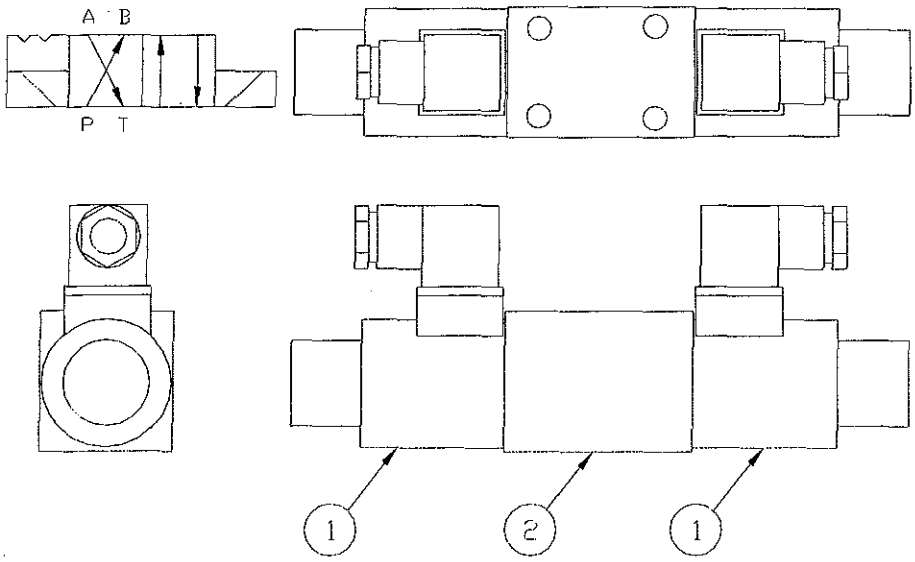


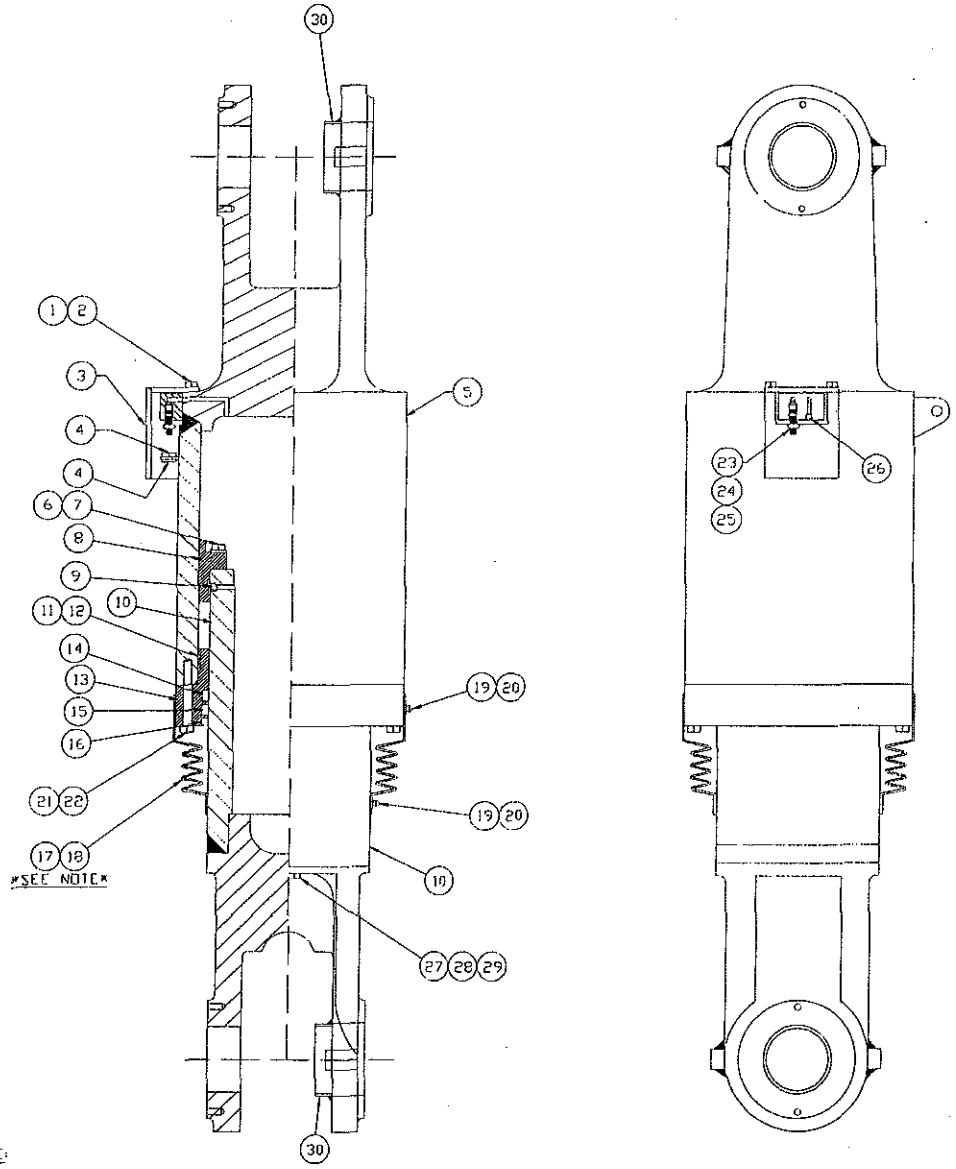
NOTE: Items 5 and 6 are LED replacement lamps available at increased prices.



NOTE: Lamp removal tool, Item 7, is not shown. It is not included with a light or switch, but is available separately.

Item	P/N	Part Description	Qty	Kits
001	916485	Coil, 24 Volt DC Solenoid	2	
002		Body	1	
K01	2005134	Seal Kit (Not Shown)	1	



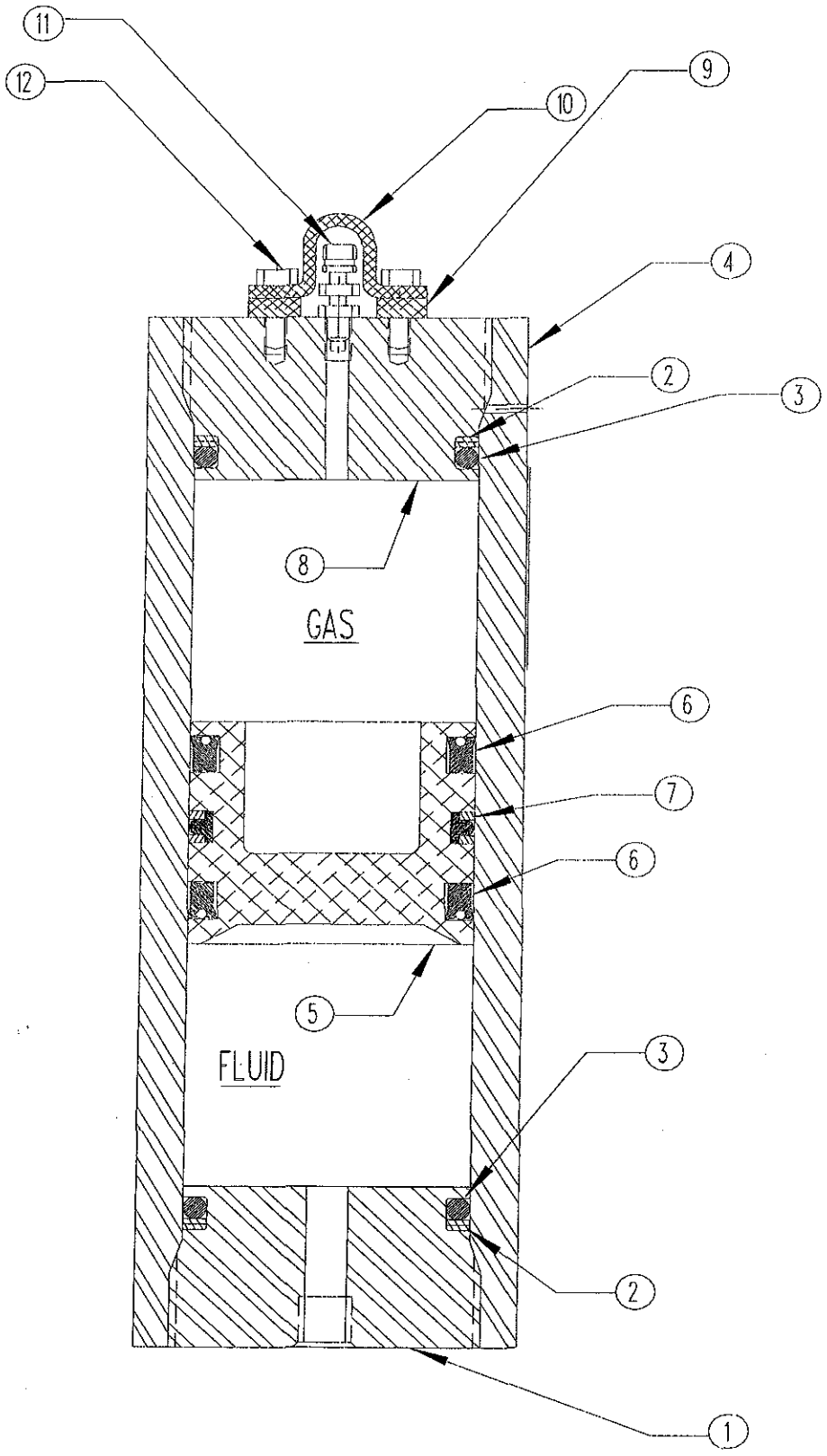


*NOTE:
THE OPTIONAL BELLOWS WITH ZIPPER (18) ALLOWS THE BELLOWS TO BE SERVICED WITH THE SUSPENSION MOUNTED ON THE TRUCK.

THE STANDARD BELLOWS (17) REQUIRES THE INSTALLATION OVER THE LOWER MOUNTING PORTION OF THE PLUNGER TUBE ASSEMBLY (10) WHICH MUST BE REMOVED FROM THE TRUCK.

TEREX|UNIT RIG SERVICE PARTS	FRONT SUSPENSION	57110 06/11/2007 | SHEET 1 OF 2

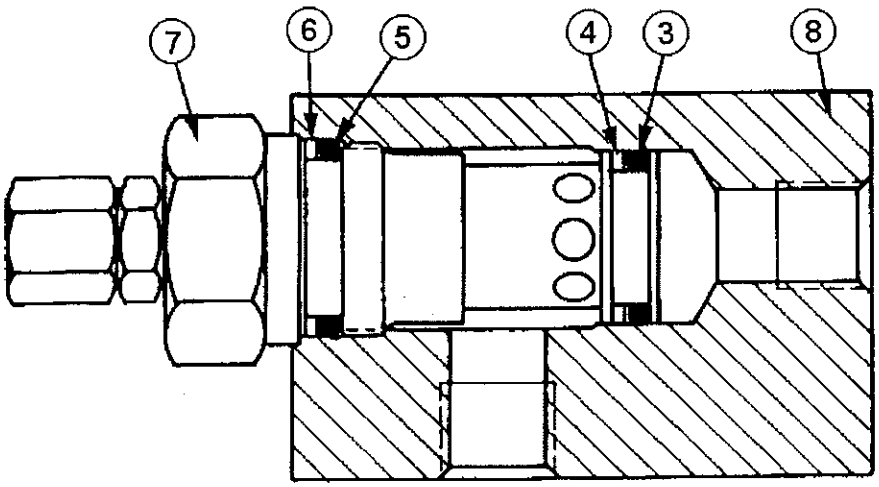
Item	P/N	Part Description	Qty	Kits
001	51371	Capscrew, Hex (1/2-13NC X 1 Inch Long, Grade 8)	2	
002	10182	Lockwasher (1/2 X 0.873 OD)	2	
003	2001883	Guard - Valve	1	
004	2001971	Locknut (1/2-14 NPT) (Thick)	1	
004		Locknut (1/2-14 NPT) (Thin)	1	
005	2001882	Outer Barrel Assembly	1	
006	22380	Capscrew, Hex (5/8-11NC X 2-1/2 Inch Long, Gr. 8)	24	
007	913240	Flatwasher, Hardened and Ground (5/8 X 1.312 Inch OD)	24	
008	2005243	Piston	1	
009	2005249	Ball (1/2 Inch Diameter)	4	
010	2005242	Plunger Tube Assembly	1	
011		O - Ring	2	K01
012		Back-up Ring	2	K01
013	2001890	Stuffing Box	1	
014		Buffer Seal	1	K01
015		Seal (Primary)	1	K01
016		Wiper	1	K01
017		Bellows	1	K01
018	2001968	Bellows with Zipper - Front (Option)	1	
019	51267	Clamp - Fasteners, Adjustable	2	
020	51266	Clamp, Banding (In Inches)	120	
021	913240	Flatwasher, Hardened and Ground (5/8 X 1.312 Inch OD)	24	
022	26128	Capscrew, Hex (5/8-11NC X 4-1/2 Inch Long, Gr. 8)	24	
023	56482	Charge Valve	1	K01
024	56481	. Core, Charge Valve	1	
025	56480	. Cap, Charge Valve	1	
026		Plug	1	K01
027		Plug, O - Ring Boss	1	
028	986270	. O - Ring (ORB - 8)	1	
029	16472	Setscrew, Socket head (3/4-16NF X 3/4 Inch Long, Gr.2, Flat Point)	1	
030	82853C	Spacer, Bearing (Replaces original welded version)	2	
K01	2001887	Seal Kit	1	



TEREX | UNIT RIG **SERVICE PARTS**	ACCUMULATOR, 1 GALLON	57423 06/05/2007 | SHEET 1 OF 2

ITEM	P/N	Part Description	Qty	Kits
001	2006523	Cap - Hydraulic End	1	
002		Backup Ring	2	K01
003		O-Ring Endcap Seal	2	K01
004	2006524	Cylinder, 1 Gallon	1	
005	2006525	Piston	1	
006		Ring - Poly Seal Assembly	2	K01
007		Ring - Piston, T- Seal Assembly	1	K01
008	2006526	Cap - Gas End	1	
009	2004794	Spacer, Gas Valve Guard	1	
010	2004796	Guard - Gas Valve	1	
011	2003558	Valve - Gas	1	
012		Bolts, Gas Guard (Sets)	2	
K01	2006527	Seal Kit	1	

Item	P/N	Part Description	Qty	Kits
001		RELIEF VALVE ASSEMBLY	1	
002	1009535	. RELIEF CARTRIDGE ASSEMBLY	1	
003		. . O-RING	1	
004		. . BACK-UP RING	1	
005		. . O-RING	1	
006		. . BACK-UP RING	1	
007		. . CARTRIDGE, RELIEF	1	
008		. BODY, CARTRIDGE	1	



Item	P/N	Part Description	Qty	Kits
001	29907	Switch - Pressure	1	

UNIT RIG
TEREX MINING
SERVICE PARTS

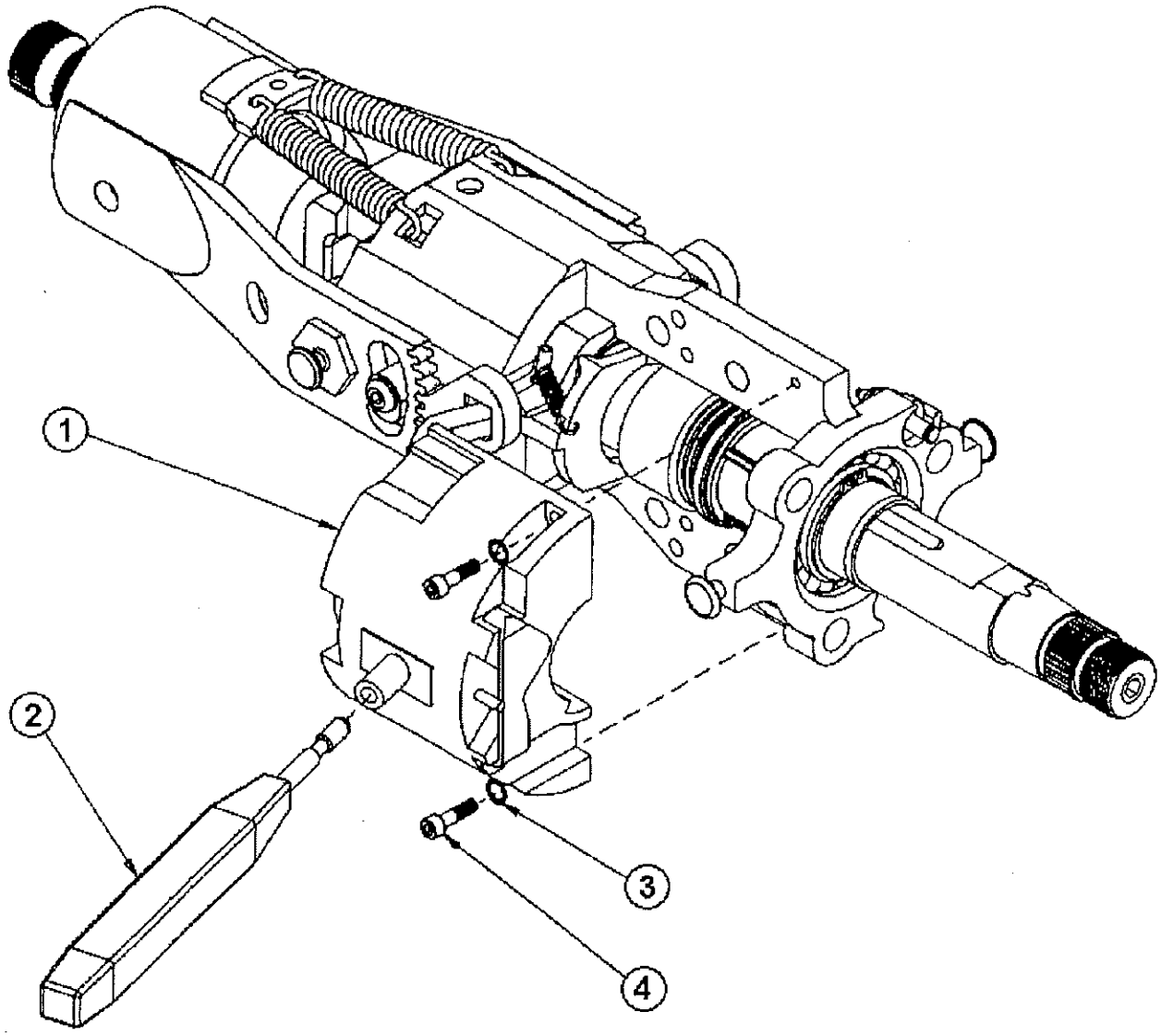
RECEIVER DRYER

1009442

08/13/2002

SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
001		TURN SIGNAL SWITCH	1	
002		LEVER	1	
003		LOCKWASHER	2	
004		SCREW	2	



UNIT RIG
TEREX MINING
SERVICE PARTS

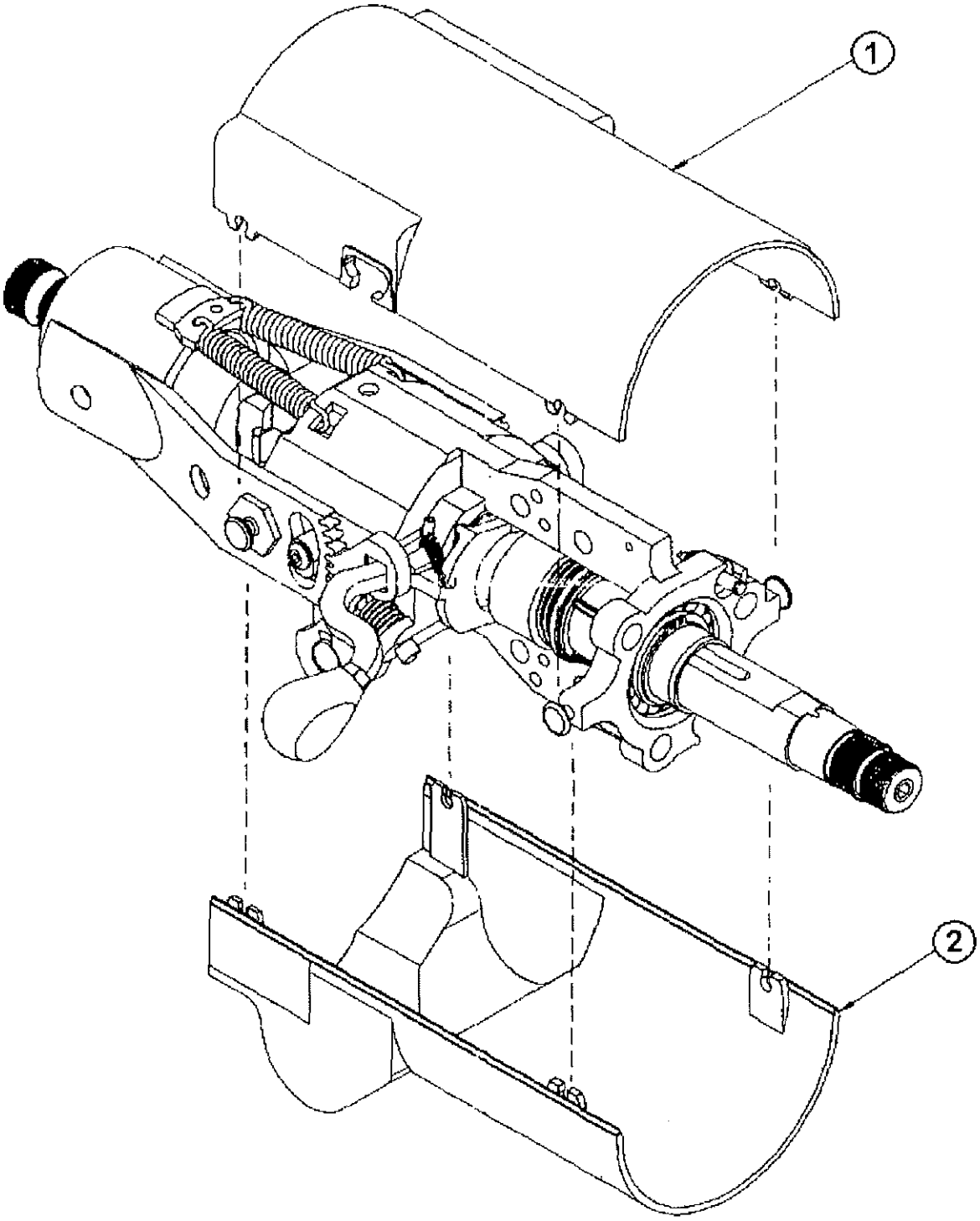
TURN SIGNAL KIT

2001993

03/14/1997

SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
001		UPPER COVER	1	
002		LOWER COVER	1	



UNIT RIG
TEREX MINING
SERVICE PARTS

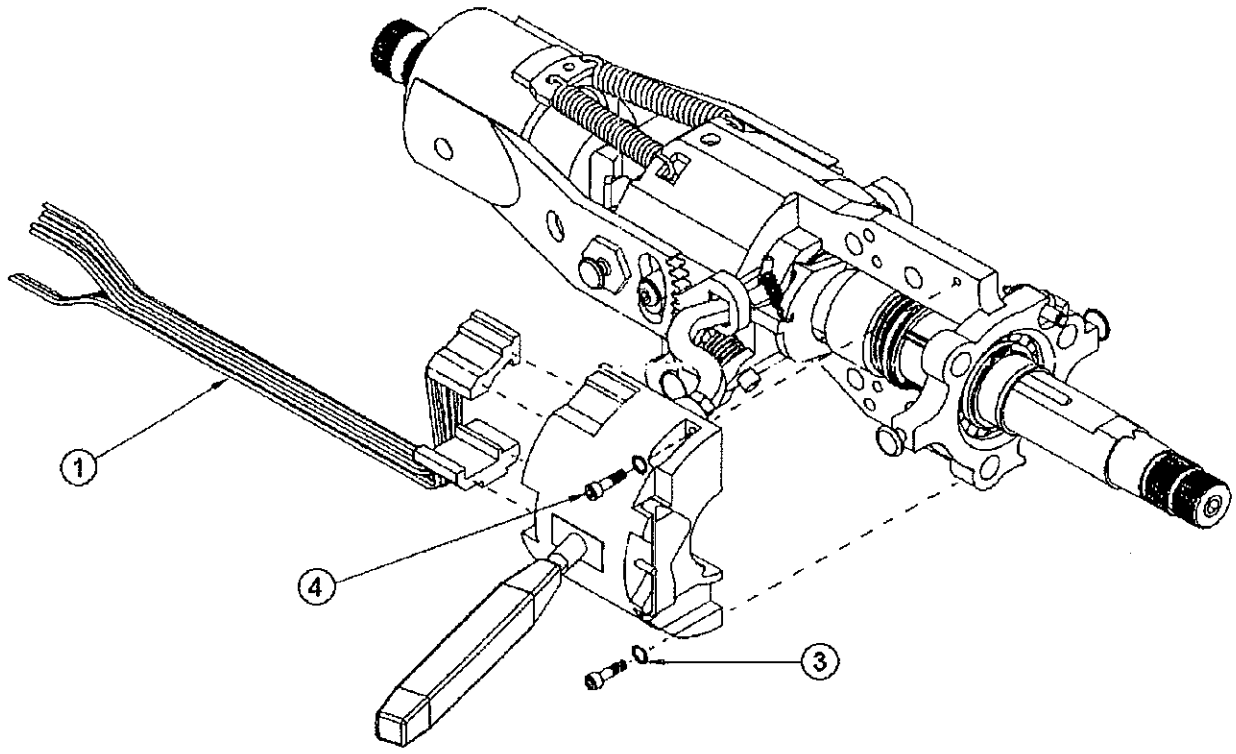
UPPER/LOWER COVER KIT

2001994

03/14/1997

SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
001		WIRE HARNESS	1	
002		TIE	2	
003		LOCKWASHER	2	
004		SCREW	2	



Use as and where needed.



UNIT RIG
TEREX MINING
SERVICE PARTS

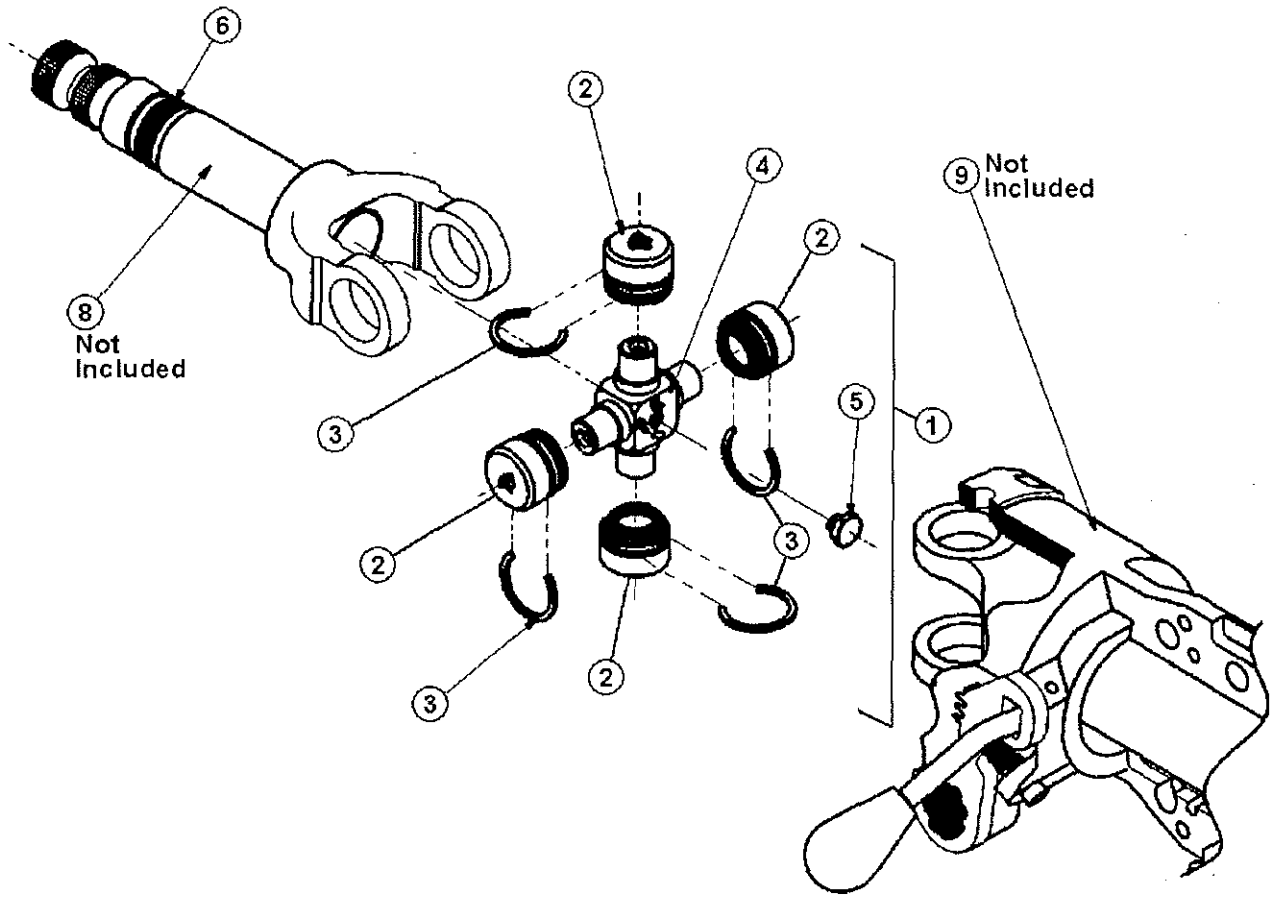
WIRE HARNESS KIT

2001995

03/14/1997

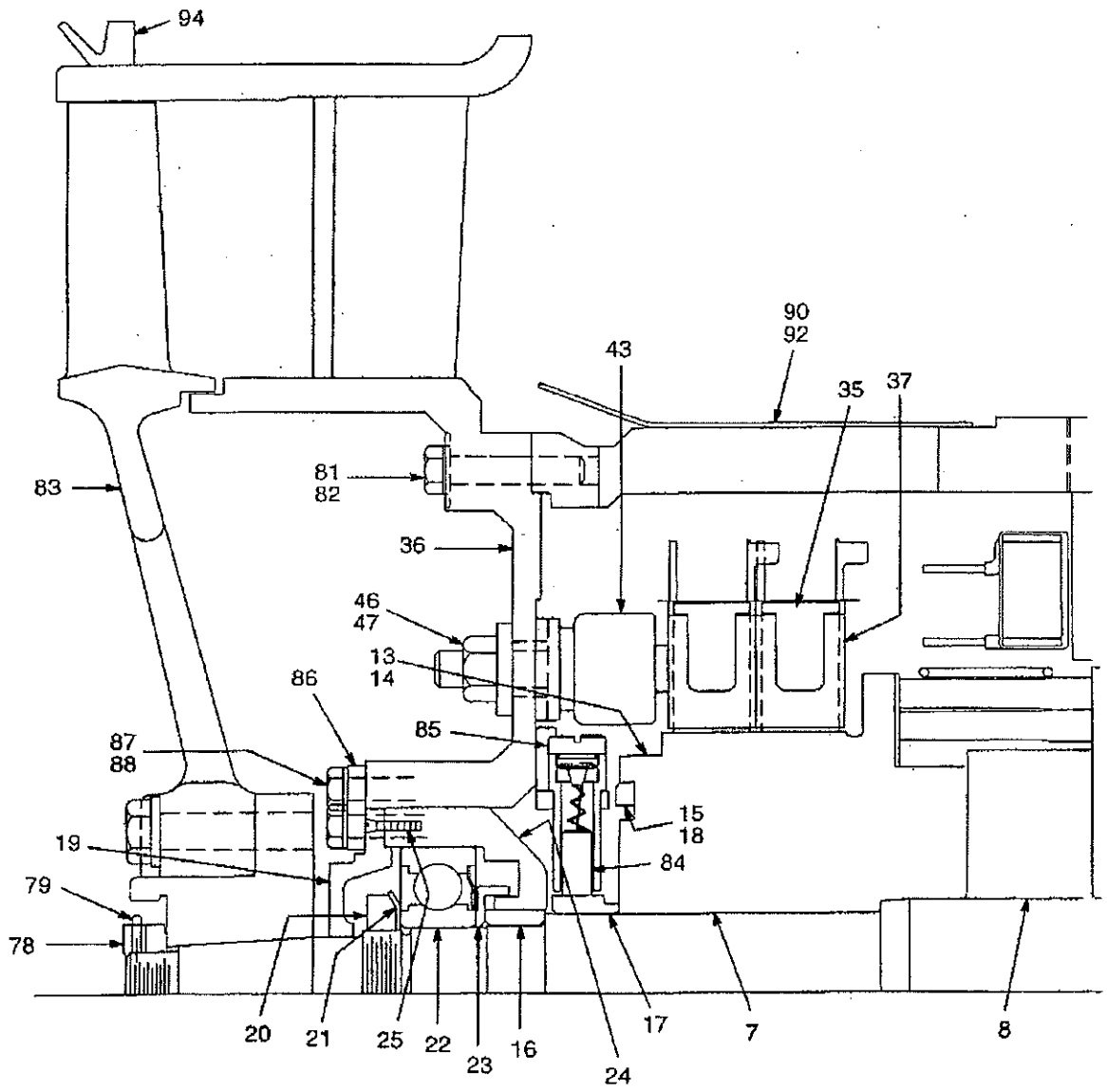
SHEET 1 OF 1

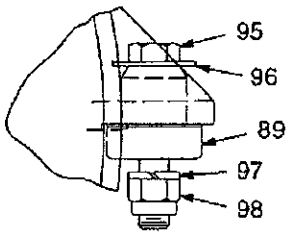
Item	P/N	Part Description	Qty	Kits
001		U-JOINT	1	
002		. CUPS	4	
003		. C-CLIPS	4	
004		. CROSS	1	
005		. PLUG	1	
006		TOLERANCE RING	1	
007		RETAINING RING (NOT SHOWN)	1	
008		LOWER SHAFT/YOKE ASSY (NOT INCLUDED)	1	
009		LONG YOKE SUB ASSY. (NOT INCLUDED)	1	



UNIT RIG TEREX MINING SERVICE PARTS	U-JOINT KIT	2001996	
		03/14/1997	SHEET 1 OF 1

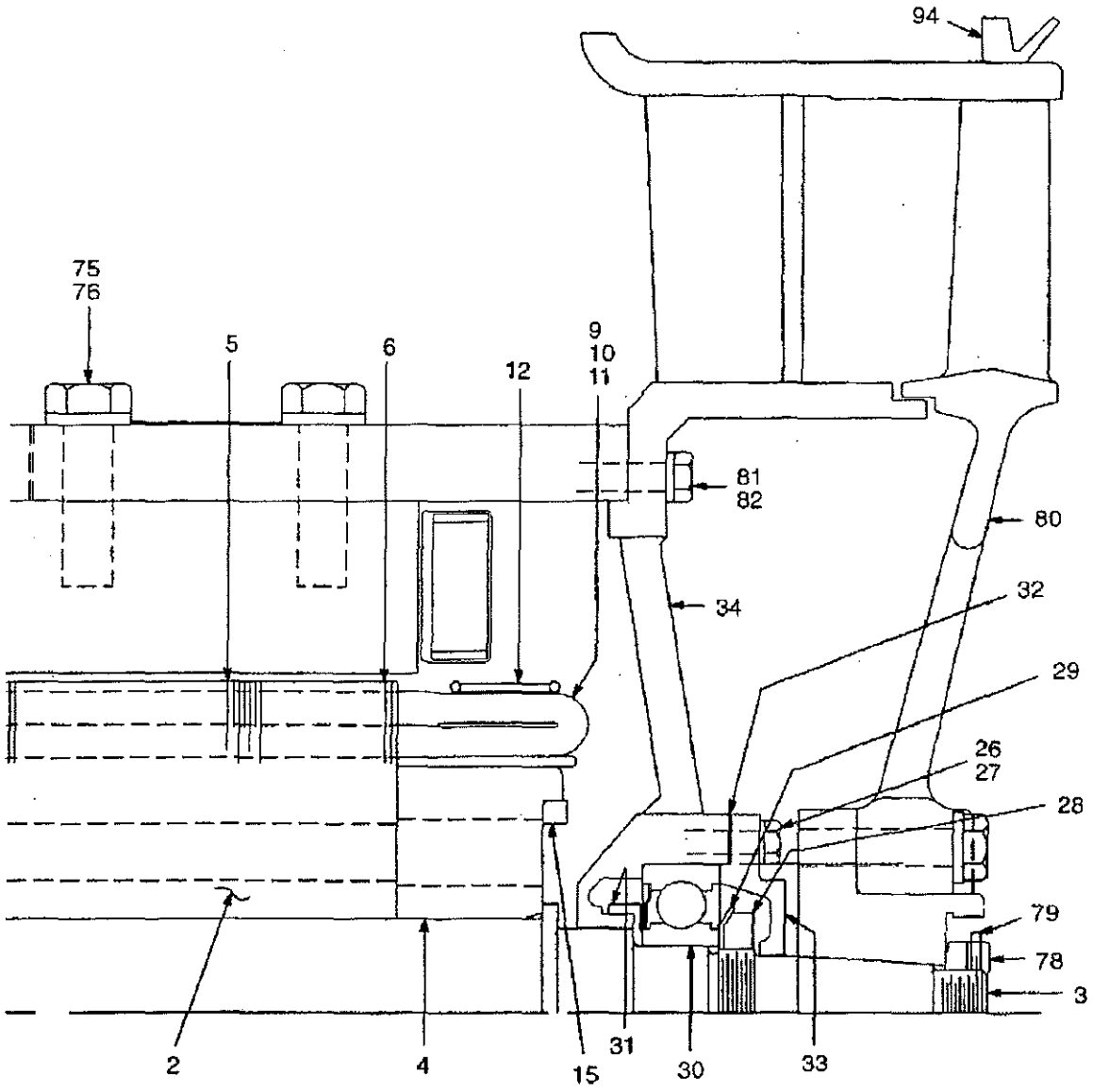
Item	P/N	Part Description	Qty.	Kits
001		Seal Ring	6	K01
002		Commutator Ring	1	K01
003		Inner Seal	1	K01
004		Back Up Washer	1	K01
005		Dirt and Water Seal	1	K01
006		Back Up Washer	1	K01
007		Grease Pack	1	K01
K01	2004991	Kit - Seal	1	



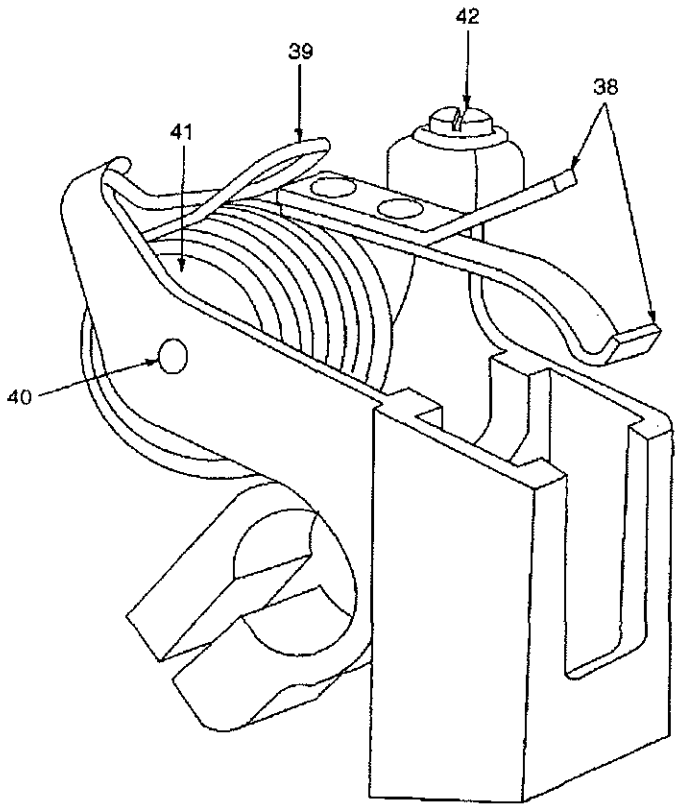


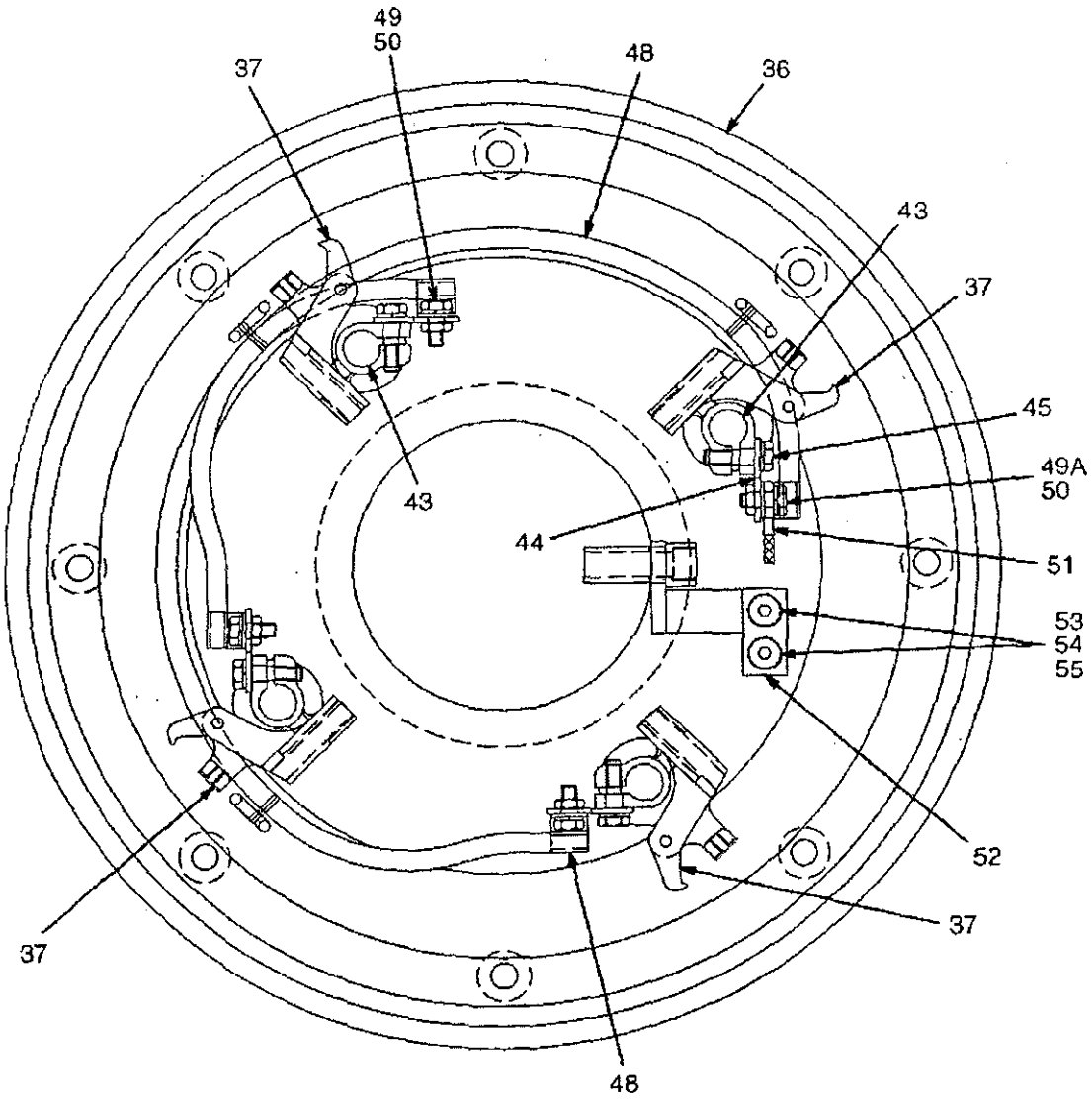
MOTOR MOUNT

UNIT RIG TEREX MINING SERVICE PARTS	BLOWER	2003450
		08/13/2001 SHEET 1 OF 8

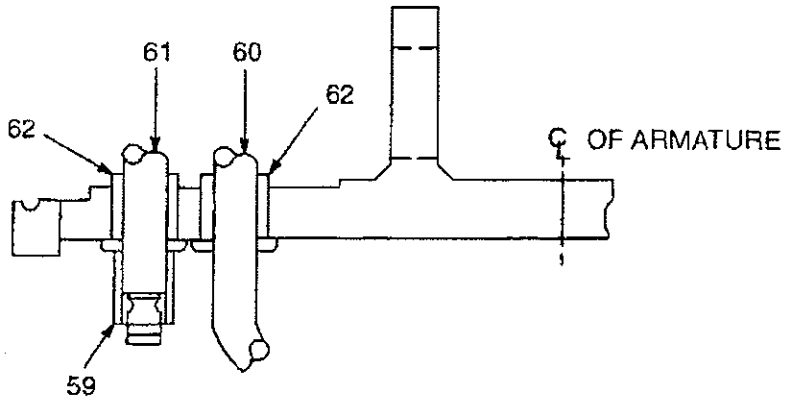


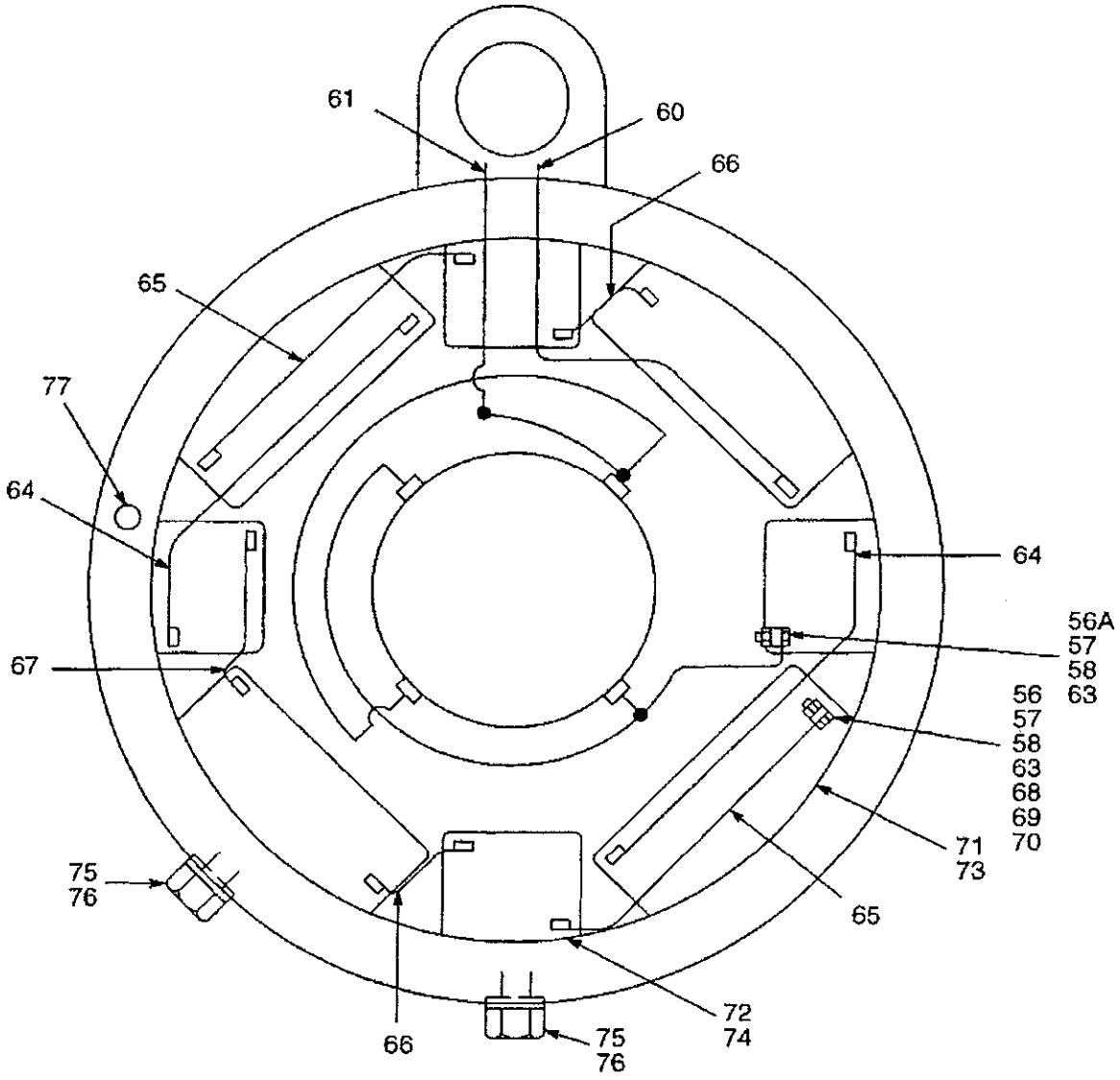
UNIT RIG TEREX MINING SERVICE PARTS	BLOWER	2003450	
		08/13/2001	SHEET 2 OF 8


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UNIT RIG TEREX MINING SERVICE PARTS	BLOWER	2003450
		08/13/2001 | SHEET 4 OF 8

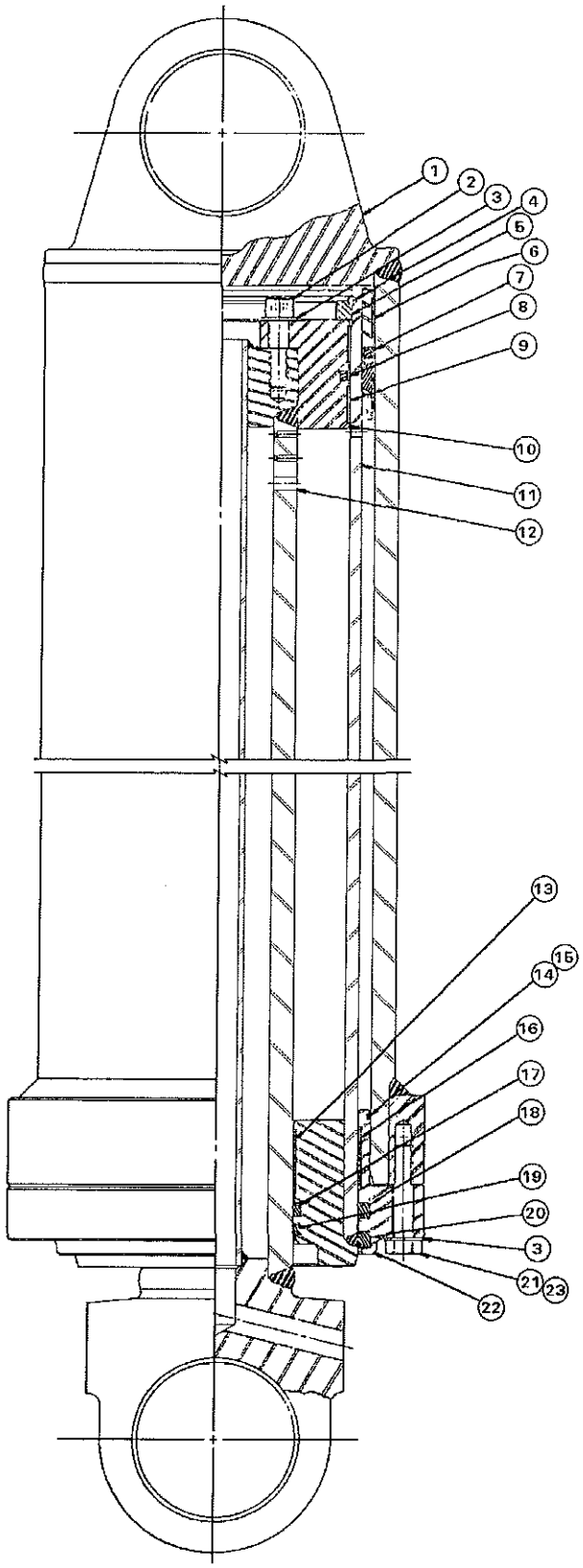

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Item	P/N	Part Description	Qty	Kits
001	2003450	BLOWER	1	
002	2003939	. ARMATURE ASSEMBLY	1	
003	2000718	. SHAFT	1	
004	2003940	. ARMATURE HEAD	1	
005	2003941	. PUNCHING, MAIN, 0.0185 IN THICK	256	
006	2003942	. PUNCHING, END, 0.0673 IN THICK	4	
007	2003373	. COMMUTATOR	1	
008	2003943	. SPACER	1	
009	914513	. REWIND KIT, ARMATURE	1	
010	2003887	. VARNISH	AR	
011	2003944	. PERMAFIL PUTTY	AR	
012	2003945	. GLASS TAPE, 0.014 IN THICK, 3/8 IN WIDE	AR	
013	2003946	. VARNISH	AR	
014	2003947	. CORD, 0.070 IN DIA	AR	
015	2003948	. BALANCE WEIGHT, 5/16 IN X 5/16 IN X 5 3/4 IN OD	AR	
016	701083	SLEEVE	1	
017	2003949	. GROUND BRUSH RING	1	
018	2003950	#BALANCE WEIGHT, 1/4 IN X 21/32 IN X 5 21/32 IN OD	1	
019	700898	BEARING CAP	1	
020	913619	NUT, HEX, 1 11/16 IN-16	1	
021	913618	LOCKWASHER, 1 23/32 IN ID	1	
022	900953	BEARING, BALL	1	
023	913617	FLINGER, LUBRICANT	1	
024	700216	BEARING HOUSING	1	
025	2003951	SCREW, SL FL HD, NO 10-32, 5/8 IN LONG	2	
026	10179	LOCKWASHER, 5/16 IN	6	
027	10008	BOLT, HEX HD, 5/16 IN-18, 1 IN LONG	6	
028	913619	NUT, HEX, 1 11/16 IN-16	1	
029	913618	LOCKWASHER, 1 23/32 IN ID	1	
030	900953	BEARING, BALL	1	
031	913617	FLINGER, LUBRICANT	1	
032	913476	ADHESIVE, RTV SILMATE 1473	AR	
033	912741	BEARING CAP	1	
034	2001594	FRAME HEAD	1	
035	2001211	CARBON BRUSH	8	
036	2003952	FRAME HEAD	1	
037	900954	BRUSH HOLDER	8	
038	900460	. ARM, PRESSURE	8	
039	901566	. SPRING	8	
040	900462	. PIN, SPRING DOWEL, 3/16 IN DIA, 1 1/8 IN LONG	8	
041	900463	. HUB, OUTER	8	
042	901559	. BOLT W/WASHER, HEX HD SL, NO 10-32, 1/2 IN LONG	8	
043	700367	BRUSHHOLDER STUD	4	
044	2003953	CONNECTION STRAP	4	
045	700766	BOLT W/WASHER, HEX HD, 1/4 IN-20, 1 IN LONG	8	

Item	P/N	Part Description	Qty	Kits
046	903336	WASHER, FLAT, 0.562 IN ID, 1.250 IN OD	4	
047	17412	LOCKNUT, 1/2 IN-13	4	
048	2000719	CABLE ASSEMBLY, 17 3/4 IN LONG	2	
049	2003954	BOLT, SL HEX HD, 1/4 IN-20, 5/8 IN LONG	2	
049A	2003918	BOLT, SL HEX HD, 1/4 IN-20, 3/4 IN LONG	2	
050	10178	LOCKWASHER, 1/4 IN	4	
051	901563	FLEXIBLE CONNECTOR	1	
052	2003955	BRACKET ASSEMBLY, GROUND BRUSH	1	
053	2002895	LOCKWASHER, 3/8 IN	2	
054	2003956	BOLT, SHOULDER, HEX SOC HD, 3/8 IN, 3/8 IN LG	2	
055	2003957	CEMENT	AR	
056	2003954	BOLT, SL HEX HD, 1/4 IN-20, 5/8 IN LONG	14	
056A	2003918	BOLT, SL HEX HD, 1/4 IN-20, 3/4 IN LONG	2	
057	10124	NUT, HEX, 1/4 IN-20	16	
058	10178	LOCKWASHER, 1/4 IN	16	
059	915418	BUSHING, 3/4 IN ID	1	
060	2003958	CABLE ASSEMBLY, 108 IN LONG	1	
061	2003959	CABLE ASSEMBLY, 102 IN LONG	1	
062	2000723	CABLE BUSHING, 17/32 IN ID, 1 5/32 IN OD, RUBBER	2	
063	52367	WASHER, 1/4 IN	16	
064	2000720	CONNECTION STRAP, INSULATED	2	
065	701775	CONNECTION STRAP, INSULATED	2	
066	2001161	CONNECTION STRAP	2	
067	2001162	CONNECTION STRAP	1	
068	2003960	TAPE, 0.005 IN THK, 0.750 IN WIDE	AR	
069	2003881	TAPE, FIBERGLASS, 0.007 IN THICK, 1 IN WIDE	AR	
070	2003887	VARNISH	AR	
071	2000721	COIL WITH TERMINALS, EXCITING	4	
072	2000722	COIL WITH TERMINALS, COMMUTATING	4	
073	700904	POLE PIECE, EXCITING COIL	4	
074	700905	POLE PIECE, COMMUTATING COIL	4	
075	10047	BOLT, HEX HD, 5/8 IN-11, 2 IN LONG	16	
076	10183	LOCKWASHER, 5/8 IN	16	
077	2003961	DOWEL PIN, 5/16 IN DIA, 9/16 IN LONG	2	
078	911968	NUT, HEX, 1 1/8 IN-18	2	
079	40PN00010A	COTTER PIN, 1/8 IN DIA, 2 1/2 IN LONG	2	
080	915232	FAN	1	
081	10013	BOLT, HEX HD, 3/8 IN-16, 1 1/4 IN LONG	16	
082	2002895	LOCKWASHER, 3/8 IN	16	
083	915231	FAN	1	
084	2003962	BRUSH	1	
085	2003963	CAP, BRUSHHOLDER	1	
086	700899	END PLATE	1	
087	2003964	BOLT, HEX HD, 5/16 IN-18, 1 IN LONG	8	
088	10179	LOCKWASHER, 5/16 IN	8	

Item	P/N	Part Description	Qty	Kits
089	703400	RUBBER MOUNT	4	
090	913249	COVER WITH LATCH	1	
091	913836	. LATCH	1	
092	913248	COVER WITH LATCH	1	
093	913836	. LATCH	1	
094	52668	V-RING SEAL	2	
095	25114	BOLT, HEX HD, 1/2 IN-13, 3 1/4 IN LONG	4	
096	10166	WASHER, 1/2 IN	4	
097	1008873	LOCKWASHER, 1/2 IN	4	
098	2003965	NUT, HEX, 1/2 IN-13, SELF-LOCKING	4	



UNIT RIG
TEREX MINING
SERVICE PARTS

HYDRAULIC CYLINDER

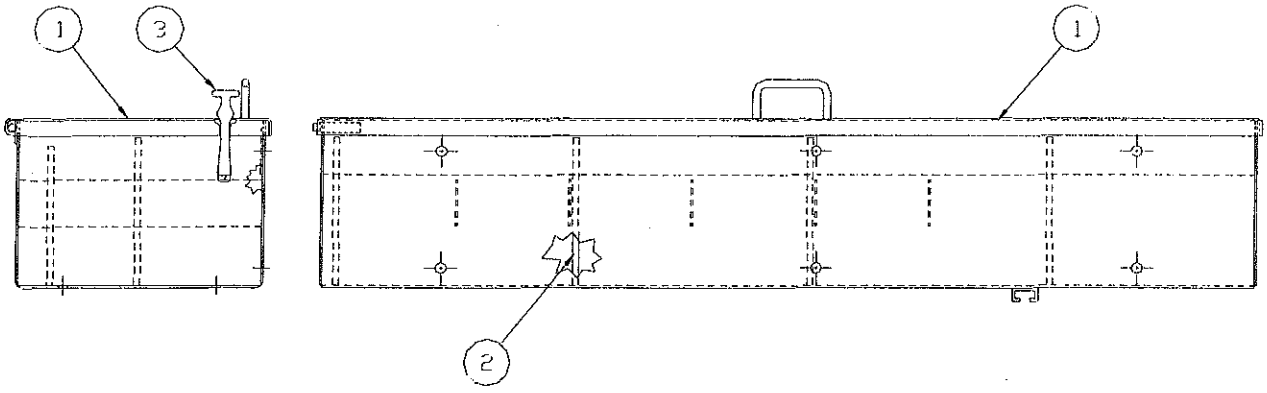
80052E

06/22/1995

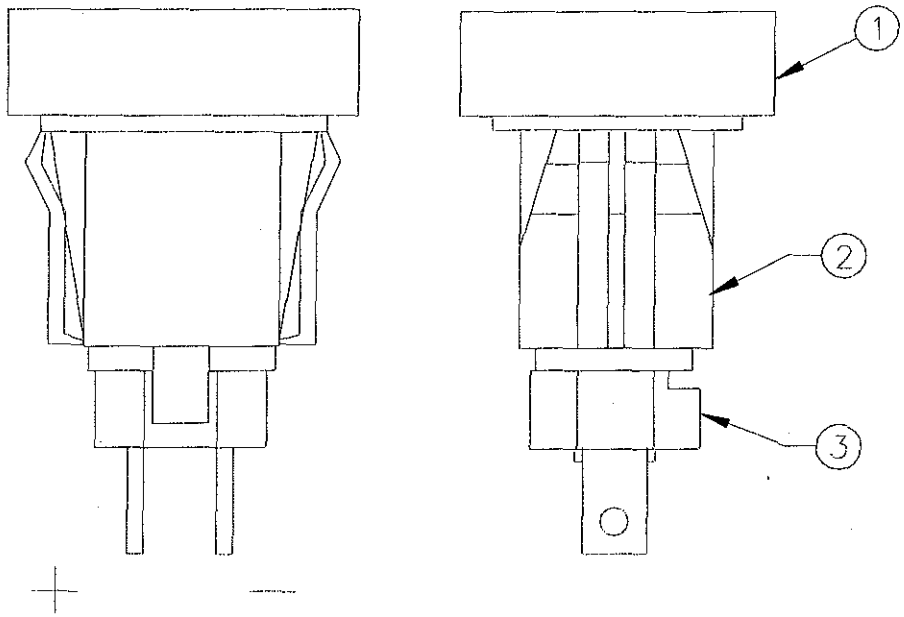
SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001	80067C	BODY, DUMP CYLINDER	1	
002	80092A	CAPSCREW, SKT-DR 3/4NC	8	
003	65456A	WASHER, FL, HARDENED 3/4 X 1.5	26	
004	80054A	RING, RETAINING INT	1	
005	80053A	RING, RETAINER	1	
006	51019	RING - WEAR - PISTON	2	K01
007	51020	SEAL - PISTON	1	K01
008	51013	SEAL - PISTON	1	K01
009	51015	RING - WEAR - PISTON	2	K01
010	80055A	PISTON - CYLINDER	1	
011	80057A	ROD ASSEMBLY - 1ST STAGE	1	
012	80062C	ROD ASSEMBLY - 2ND STAGE	1	
013	51011	RING - WEAR - ROD	2	K01
014	51022	O-RING	1	K01
015	51021	RING, BACK UP	1	K01
016	51014	RING - WEAR - ROD	2	K01
017	51018	SEAL - ROD	1	K01
018	51012	SEAL - ROD	1	K01
019	51016	SEAL - ROD	1	K01
020	51017	SEAL - ROD	1	K01
021	51047	CAPSCREW, HEX 3/4-10NC X 3 3/4	18	
022	80056A	GLAND - PACKING	1	
023	22324	WIRE, SAFETY 0.041 DIA.	33	
K01	915399	KIT, CYLINDER SEAL	1	

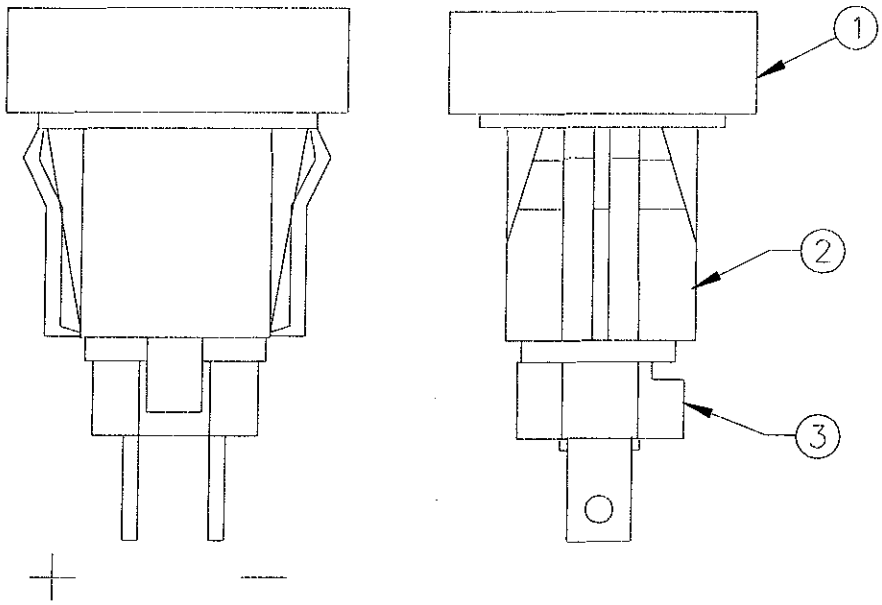
Item	P/N	Part Description	Qty	Kits
001	84244A	Lid - Battery Box	1	
002	79022E	Rod, All Thread 3/8-16NC x 9 1/2 Long (Grade 5)	6	
003	22741	Flexible Draw Catch	2	



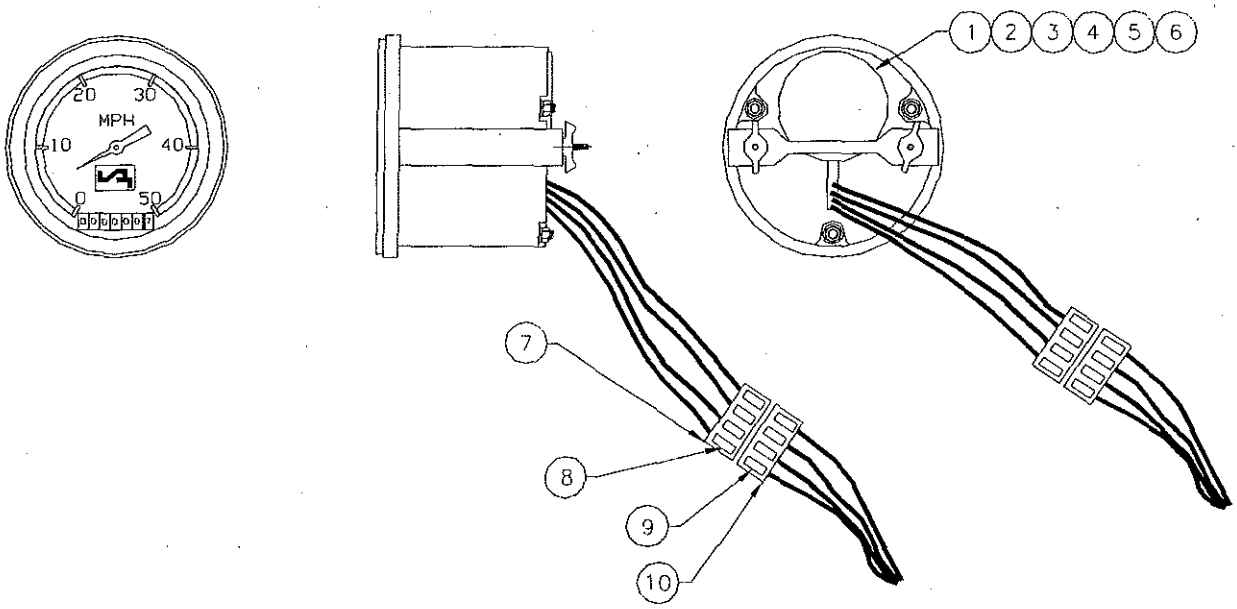
Item	P/N	Part Description	Qty	Kits
001		CAP	1	
002		HOUSING	1	
003	83341B	SOCKET AND BULB	1	



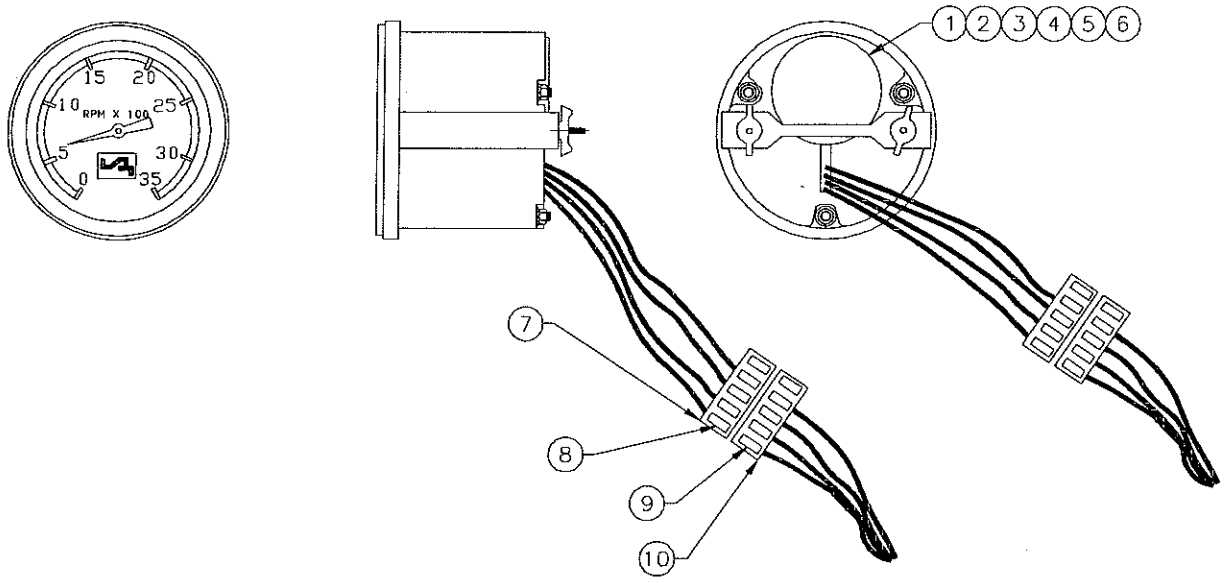
Item	P/N	Part Description	Qty	Kits
001		CAP	1	
002		HOUSING	1	
003	83341B	SOCKET AND BULB	1	



Item	P/N	Part Description	Qty	Kits
001	2001984	LIGHT KIT	1	
002		. BUTT CRIMP CONNECTOR	4	
003		. HOLE PLUG	1	
004	916039	. SOCKET, LAMP	1	
005		. NYLON WING NUT	2	
006	916040	. LAMP, MINIATURE	1	
007	53629	CONNECTOR 6-WAY MALE (WHITE)	1	
008	53631	CONNECTOR (MALE LONG)	6	
009	53628	CONNECTOR (FEMALE STRAIGHT)	6	
010	53627	CONNECTOR 6-WAY FEMALE (BLACK)	1	

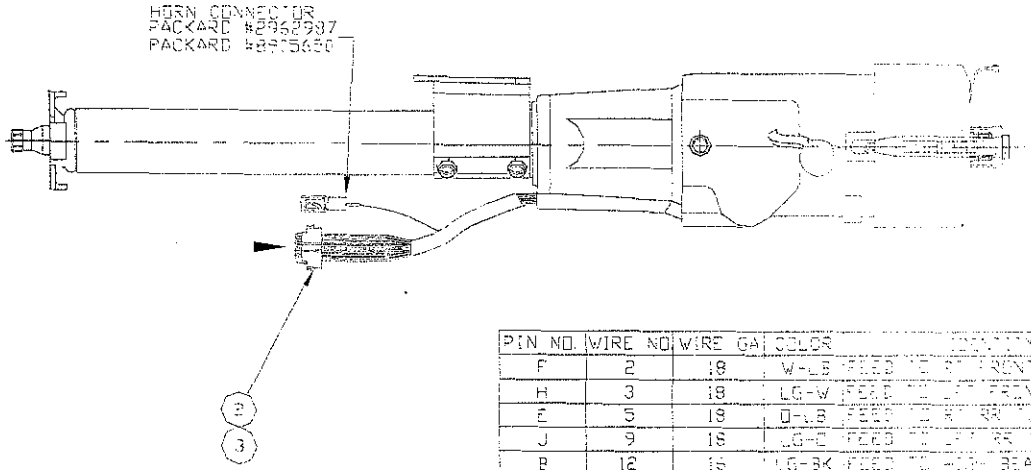


Item	P/N	Part Description	Qty	Kits
001	2001984	LIGHT KIT	1	
002		. BUTT CRIMP CONNECTOR	4	
003		. HOLE PLUG	1	
004	916039	. SOCKET, LAMP	1	
005		. NYLON WING NUT	2	
006	916040	. LAMP, MINIATURE	1	
007	53629	CONNECTOR 6-WAY MALE (WHITE)	1	
008	53631	CONNECTOR (MALE LONG)	6	
009	53628	CONNECTOR (FEMALE STRAIGHT)	6	
010	53627	CONNECTOR 6-WAY FEMALE (BLACK)	1	

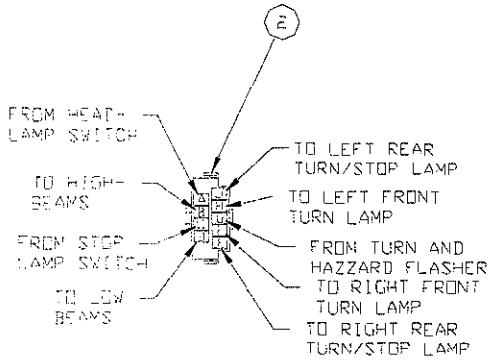


83456B

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PIN NO.	WIRE NO.	WIRE GA.	COLOR	USED AT
F	2	18	W-LB	FEED TO RIGHT FRONT TURN LAMP
H	3	18	LG-W	FEED TO LEFT FRONT TURN LAMP
E	5	18	O-LB	FEED TO RIGHT REAR TURN/STOP LAMP
J	9	18	LG-E	FEED TO LEFT REAR TURN/STOP LAMP
B	12	16	LG-BK	FEED TO HIGH BEAM HEADLAMPS
D	13	16	R-BK	FEED TO LOW BEAM HEADLAMPS
A	15	16	R-Y	FEED FROM HEADLAMP SWITCH
G	44	18	LB	FEED FROM TURN SIGNAL FLASHER
	383	18	W-R	FEED FROM HAZ WARNING FLASHER
C	511	18	LB	FEED FROM STOP LAMP SWITCH



TURN/DIMMER SWITCH CONNECTOR
VIEWED IN DIRECTION OF ARROW

ITM	QTY PER ASSY	COMPONENT	DESCRIPTION
001	1	* 3424[illegible] *	COLUMN, STEERING
002	1	53[illegible]	CONNECTOR, 9 WAY
003	9	5[illegible]	TERMINAL, MALE

CHG	EN. NO.	DATE	DESCRIPTION		VEH. CLC	S.N.
	90977	4/99	RELEASE	A85196A		
				N/A		

SIMILAR TO:

TOLERANCES: UNLESS OTHERWISE SPECIFIED

DECIMAL	FRACTION	ANGULAR
.XXX ± .010	± 1/8	± 1/2°
.XX ± .03		
.X ± .1		

REMOVE ALL BURRS AND EDGES

DF [illegible]
ENG APP
REL CK [illegible]

COLUMN STEERING

UNIT RIG

CAD SIZE B

SHEET 1 OF 1

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DATE: 4 22/99

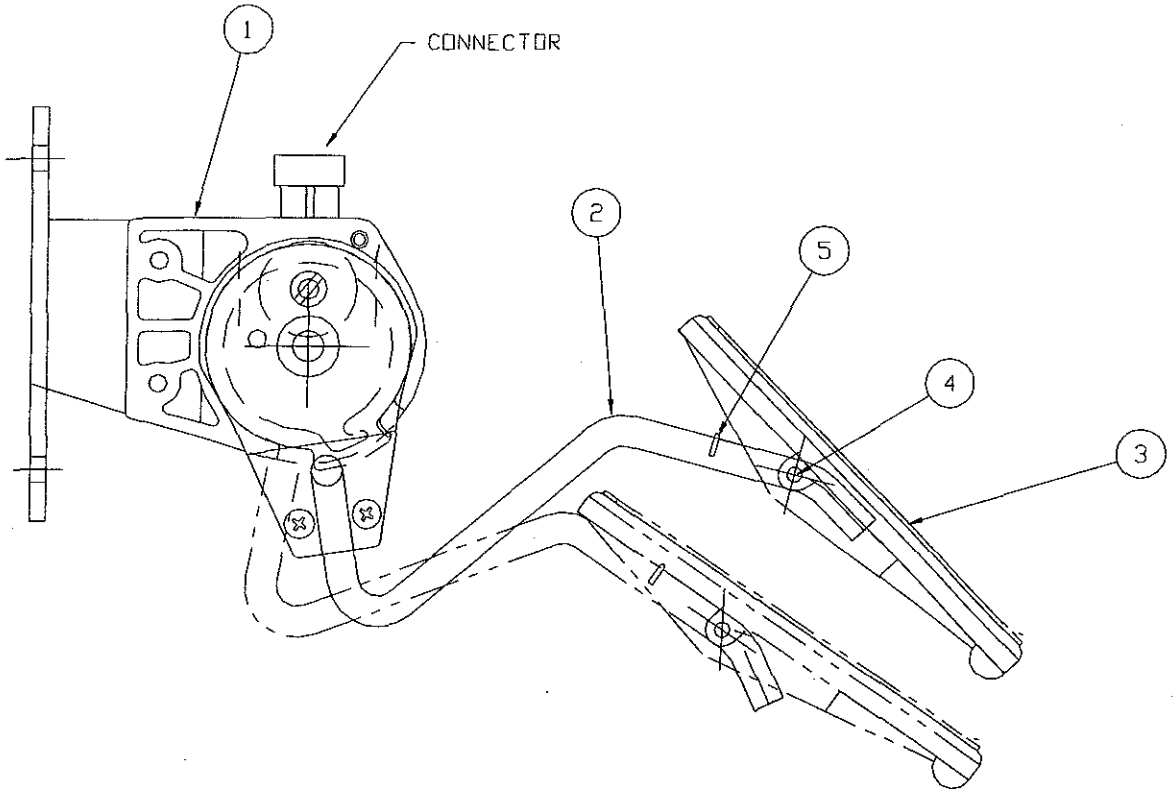
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* SEE SERVICE PARTS

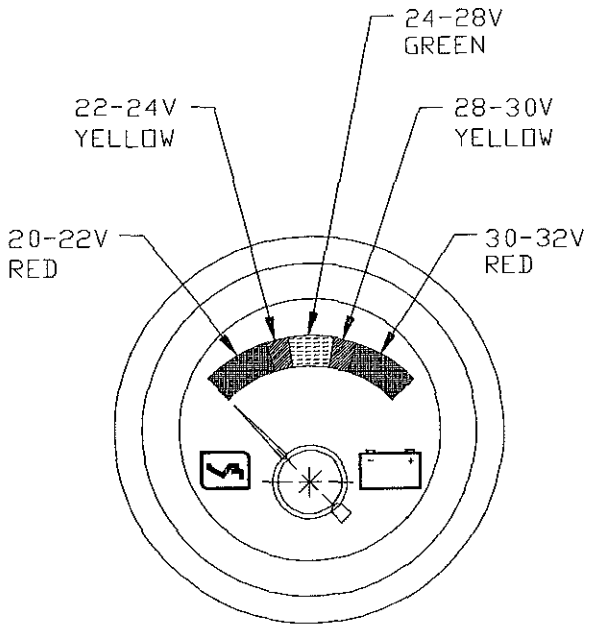
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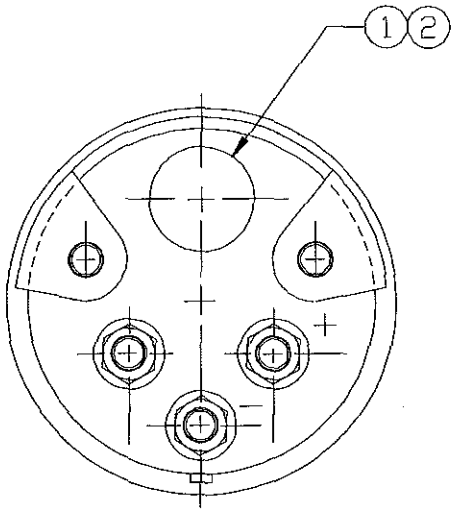
Item	P/N	Part Description	Qty	Kits
001 *	**56153** *	Electronic Pedal (*See SPD*)	1	
002	83463B	Throttle Pedal Lever	1	
003	916400	Throttle Pedal	1	
004	916401	Pedal Pin	1	
005	916402	Pedal Return Spring	1	

*** SEE SERVICE PARTS**



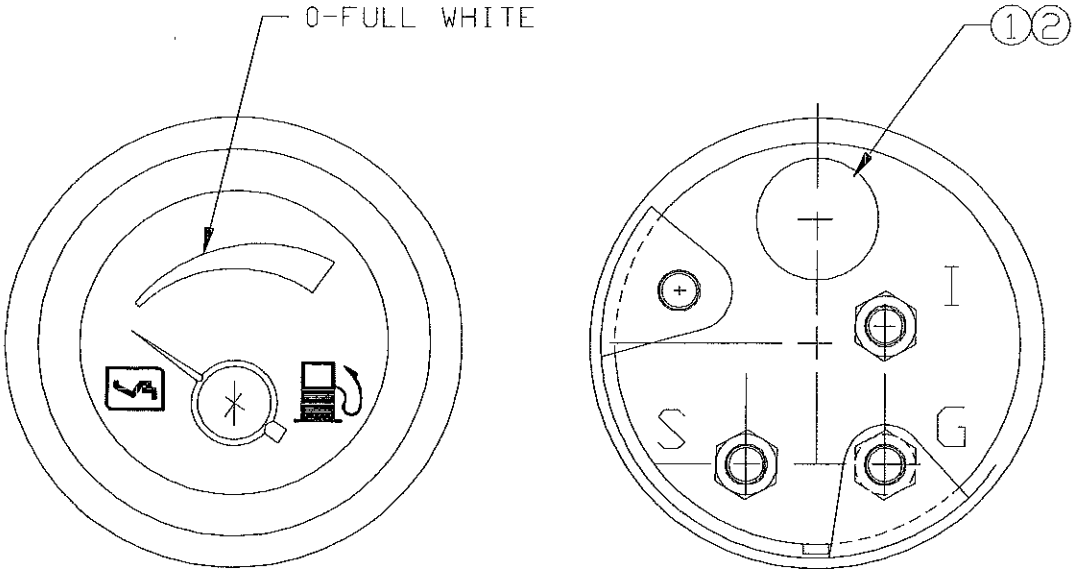
Item	P/N	Part Description	Qty	Kits
001	947113	SOCKET - LAMP	1	
002	52542	LAMP - PANEL	1	



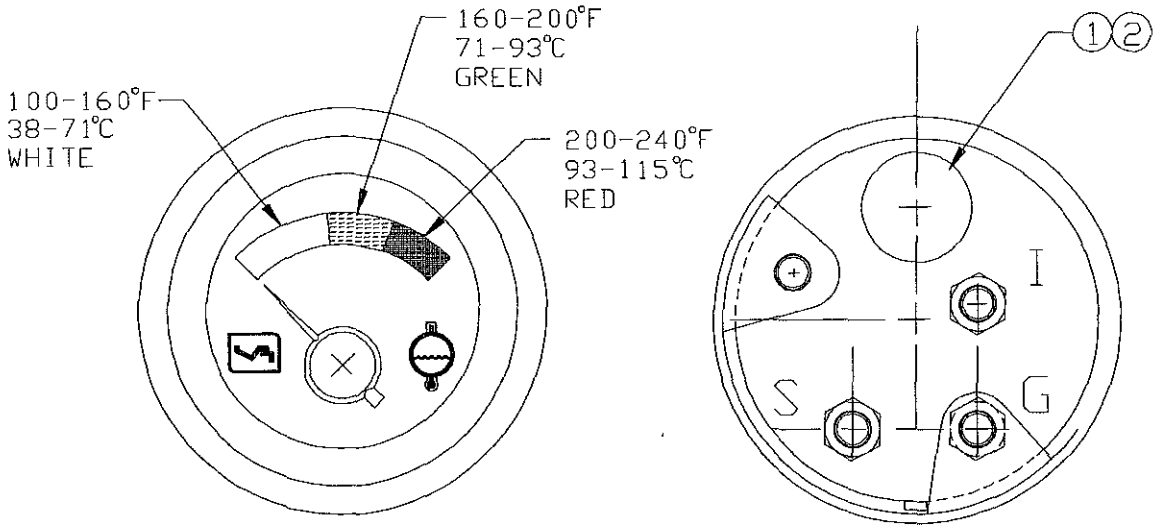


UNIT RIG TEREX MINING SERVICE PARTS	VOLTMETER GAUGE	83484A	
		01/06/1999	SHEET 1 OF 1

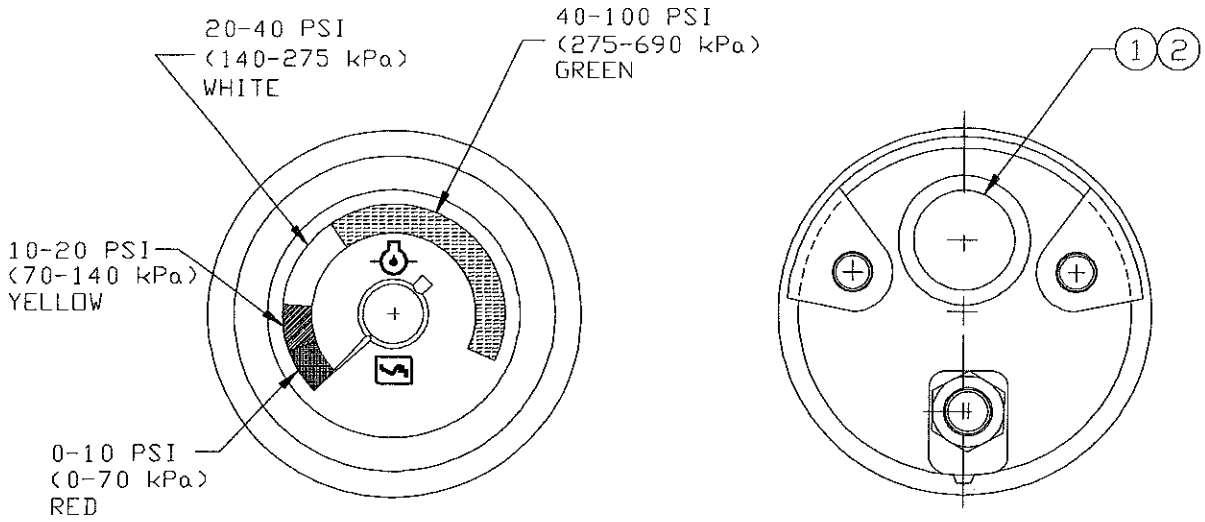
Item	P/N	Part Description	Qty	Kits
001	947113	SOCKET - LAMP	1	
002	52542	LAMP - PANEL	1	



Item	P/N	Part Description	Qty	Kits
001	947113	SOCKET - LAMP	1	
002	52542	LAMP - PANEL	1	

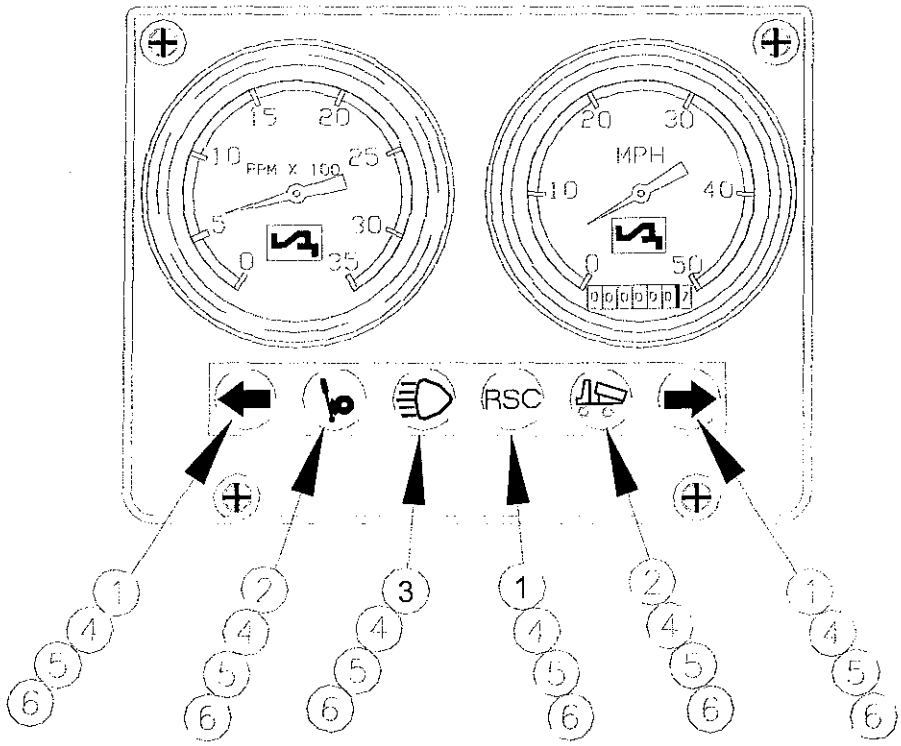


Item	P/N	Part Description	Qty	Kits
001	947113	SOCKET - LAMP	1	
002	52542	LAMP - PANEL	1	



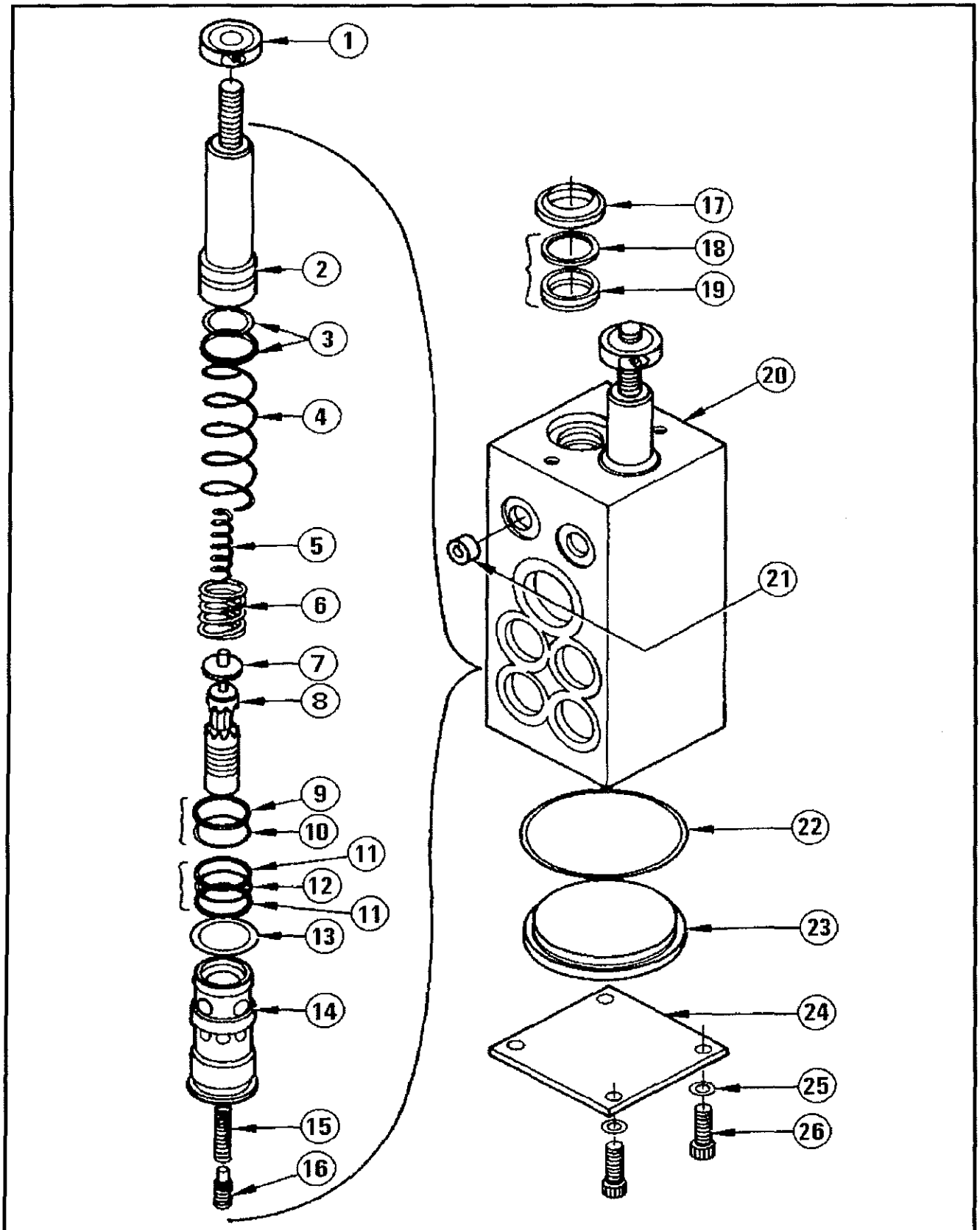
UNIT RIG TEREX MINING SERVICE PARTS	OIL PRESSURE GAUGE	83486B	
		01/06/1999	SHEET 1 OF 1

Item	P/N	Part Description	Qty.	Kits
001	2001679	Filter - Green Bulb	3	
002	2001678	Filter - Amber Bulb	2	
003	2001680	Filter - Blue Bulb	1	
004	2001599	Bulb - 24 Volt (Not Shown)	6	
005	2005378	Terminal, Lamp Socket (Not Shown)(Installed in Item 6)	6	
006	2005379	Lamp Housing, Black (Not Shown)	6	
007	53808	Connector, 9 Way (Not Shown)	1	



Item	P/N	Part Description	Qty	Kits
001	56501	Inverter Kit, Shifter	1	

Item	P/N	Part Description	Qty	Kits
001	56502	Inverter Kit, R.H. Dash	1	



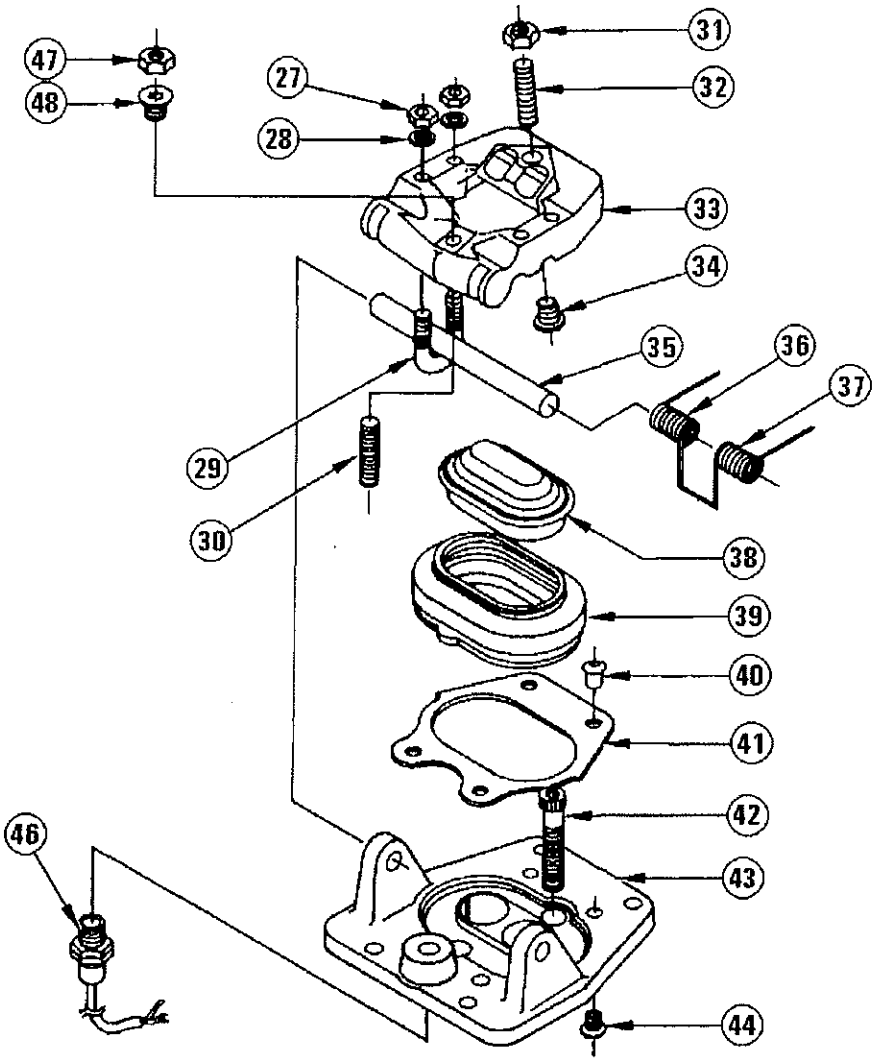
UNIT RIG
TEREX MINING
SERVICE PARTS

BRAKE VALVE ASSEMBLY

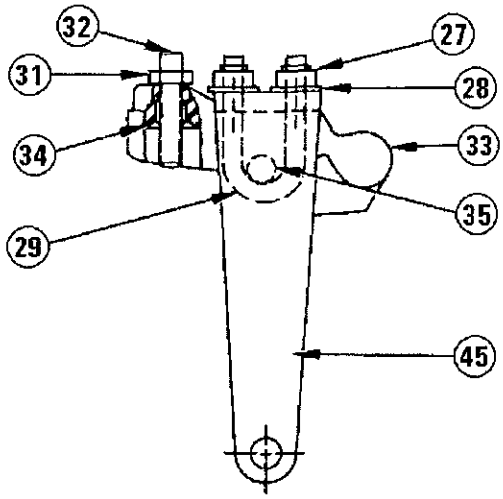
83954K

06/11/2002

SHEET 1 OF 4



DUAL ACTUATOR

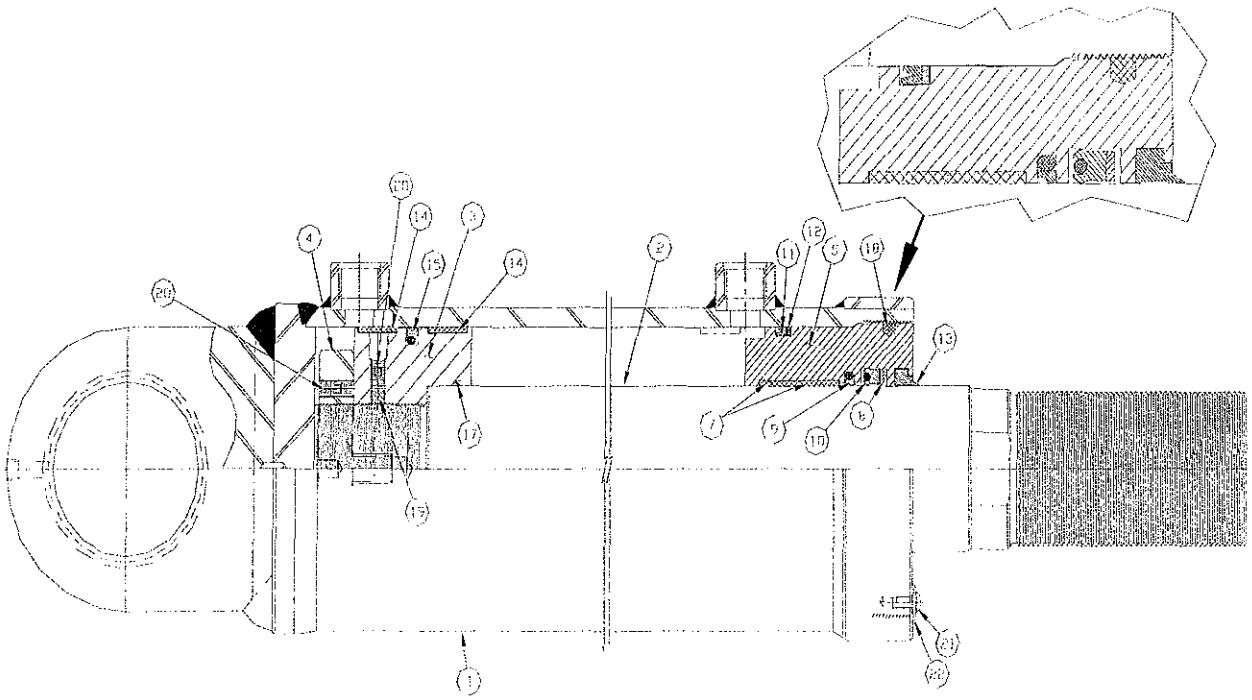


LEVER ASSEMBLY

Item	P/N	Part Description	Qty	Kits
001	2002522	COLLAR	2	
002	2001490	PLUNGER	2	
003		SEAL	2	K02
004		SPRING - PLUNGER	2	K01
005		SPRING - REGULATOR	2	K01
006		SPRING - REGULATOR	2	K01
007		SPRING SEAT	2	
008		SPOOL	2	K04
009		BACK UP RING	2	K02
010		SEAL	2	K02
011		BACK UP RING	4	K02
012		SEAL	2	K02
013		SEAL	2	K02
014		SLEEVE	2	K04
015		SPRING - SPOOL	2	K01
016		REACTION PLUNGER	2	K04
017		WIPER SEAL	2	K02
018		BACK UP RING	2	K02
019		SEAL	2	K02
020		BODY (NOT SOLD SEPARATELY)	1	
021		SCREW WITH ORIFICE HOLE	2	
022		SEAL	1	K02
023		PLUG (NOT SOLD SEPARATELY)	1	
024		RETAINER SLEEVE (NOT SOLD SEPARATELY)	1	
025		WASHER	4	
026		SCREW	4	
027		NUT	4	
028		WASHER	4	
029	2002523	U-BOLT	2	
030		SCREW	1	
031		NUT	1	
032		SCREW	1	
033		CAM-ACTUATOR (NOT SOLD SEPARATELY)	1	
034		INSERT	1	
035		PIN	1	
036		LEVER RETURN SPRING	1	K05
037		LEVER RETURN SPRING	1	K05
038		CAP (NOT SOLD SEPARATELY)	1	
039		BOOT	1	K03
040		SCREW	4	
041		RETAINER PLATE	1	
042		SCREW	2	
043		ACTUATOR BASE (NOT SOLD SEPARATELY)	1	
044		INSERT	4	
045		LEVER	1	

Item	P/N	Part Description	Qty	Kits
046	53963	PROXIMITY SWITCH ASSEMBLY	1	
047		NUT	1	
048		INSERT	1	
K01		SPRING KIT	1	
K02	2000817	SEAL KIT	1	
K03	2000610	BOOT KIT	1	
K04	2000676	SPOOL/SLEEVE KIT	1	
K05	916187	LEVER RETURN SPRING KIT	1	

ITEM	P/N	Part Description	Qty	Kits
001	84093A	Tube Assembly	1	
002	89094B	Rod, Cylinder	1	
003	84095A	Piston	1	
004	84096A	Nut, Piston	1	
005	86733A	Box, Stuffing	1	
006		Not Used	0	
007	84109P-05	Ring, Wear, Rod	2	K01
008	84109P-03	Ring, Back-up, Rod Seal	1	K01
009	84109P-04	Seal Assembly, Rod Buffer	1	K01
010	84109P-02	Seal, Rod	1	K01
011	84109P-06	Seal, U-Cup	1	K01
012	84109P-07	Ring, Back-up, U-Cup Seal	1	K01
013	84109P-01	Wiper, Rod (3-1/2 Inch)	1	K01
014	84109P-09	Ring, Wear, Piston	2	K01
015	84109P-08	Seal Assembly, Piston	1	K01
016		Not Used	0	
017	84109P-10	Seal, O-ring	1	K01
018	84106A	Plug, Nylon	1	
019	84107A	Plug, Bronze	1	
020	10453	Socket Head Setscrew, 3/8-16NC X 1/2 Inch Long, Gr. 2, Cup Point	2	
021	55443	Socket Buttonhead Capscrew, 1/4-20NC X 1/2 Inch Long	1	
022	84108A	Lockwasher	1	
K01	84109P	Kit-Seal	1	



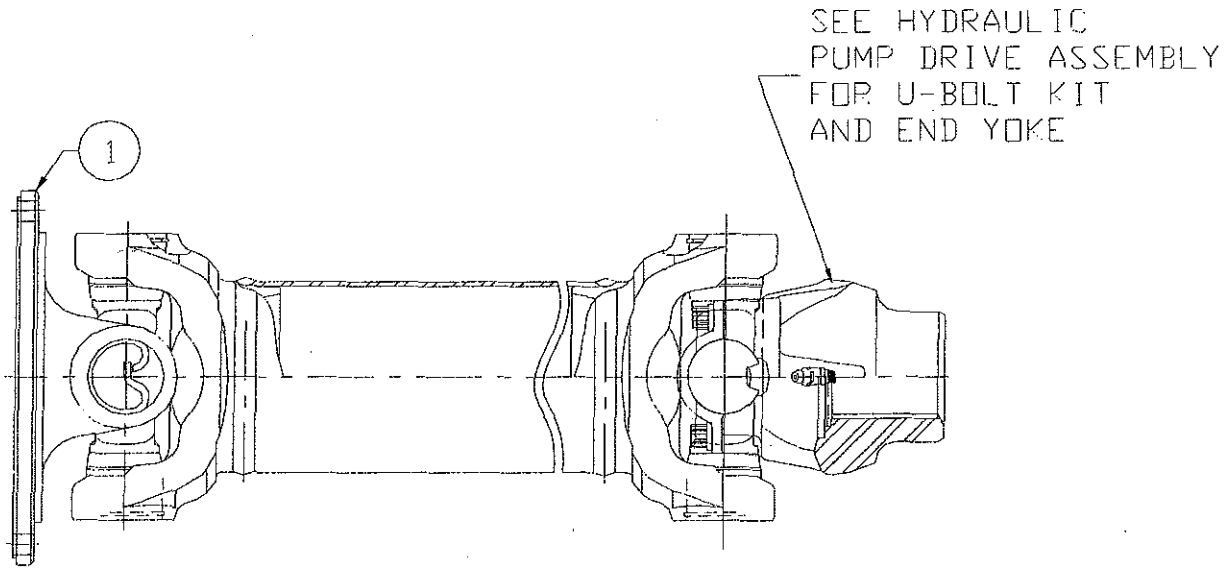
TEREX|UNIT RIG SERVICE PARTS	STEERING CYLINDER 6" BY 28"	84092K 05/25/2006 | SHEET 1 OF 1

P/N 84181A

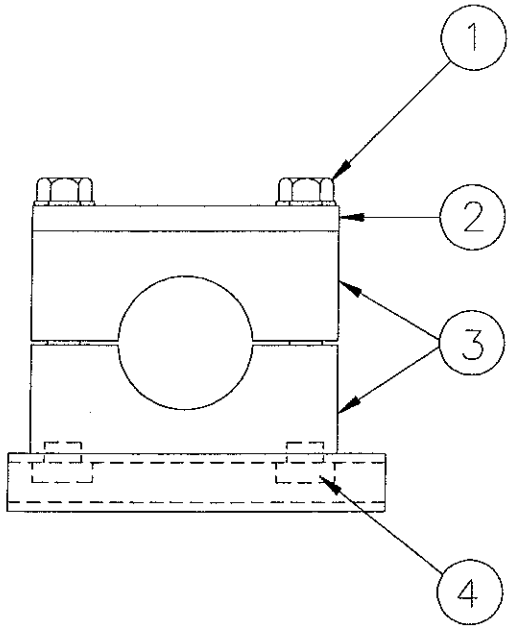
Bent Windshield Glass
Laminated Safety Glass with Green Tint

UNIT RIG TEREX MINING SERVICE PARTS	BENT WINDSHIELD GLASS	84181A	
		07/29/1996	SHEET 1 OF 1

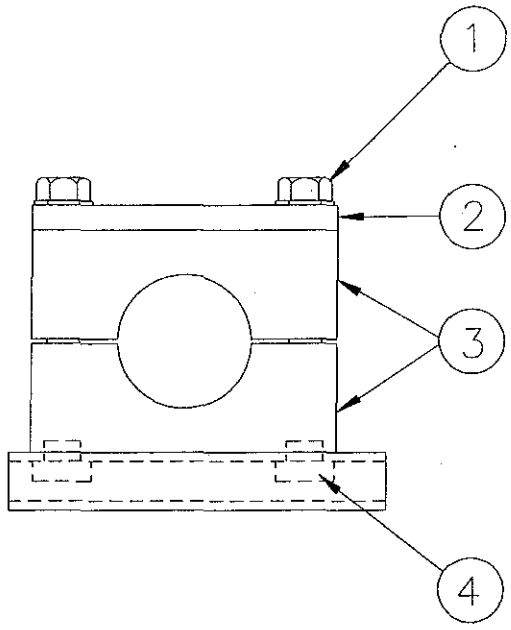
Item	P/N	Part Description	Qty	Kits
001	702575	YOKE, FLANGE	1	
K01	916248	KIT, REPAIR, PERMANENTLY LUBED	2	



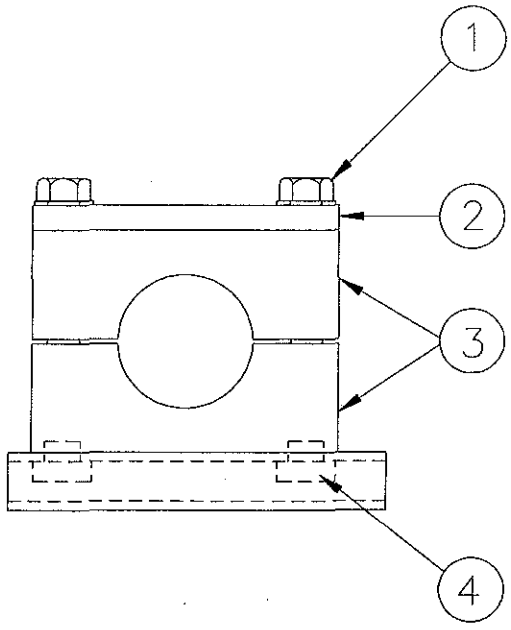
Item	P/N	Part Description	Qty	Kits
001	10015	CAPSCREW 3/8-16NC X 1-3/4 GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002569	RAIL NUT 3/8NC	2	



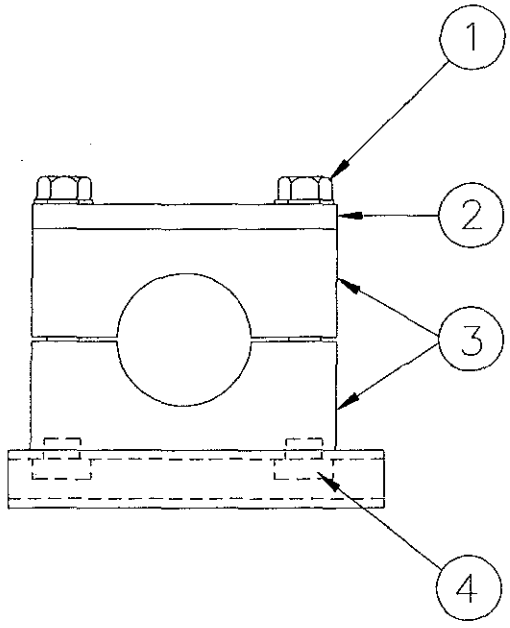
Item	P/N	Part Description	Qty	Kits
001	10015	CAPSCREW 3/8-16NC X 1-3/4 GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002569	RAIL NUT 3/8NC	2	



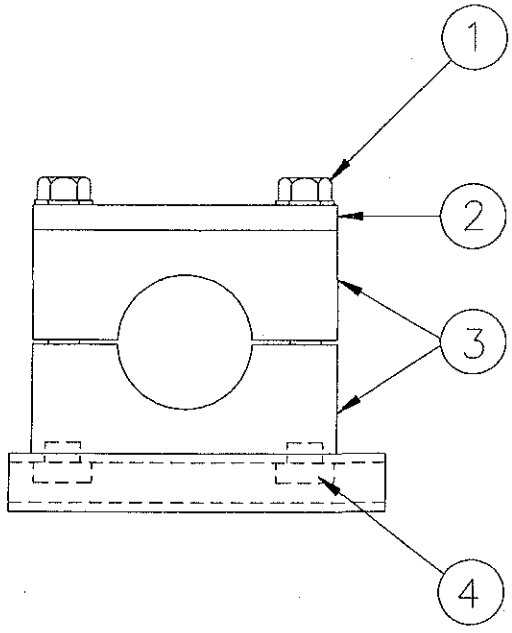
Item	P/N	Part Description	Qty	Kits
001	10017	CAPSCREW 3/8-16NC X 2-1/4 GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002569	RAIL NUT 3/8NC	2	



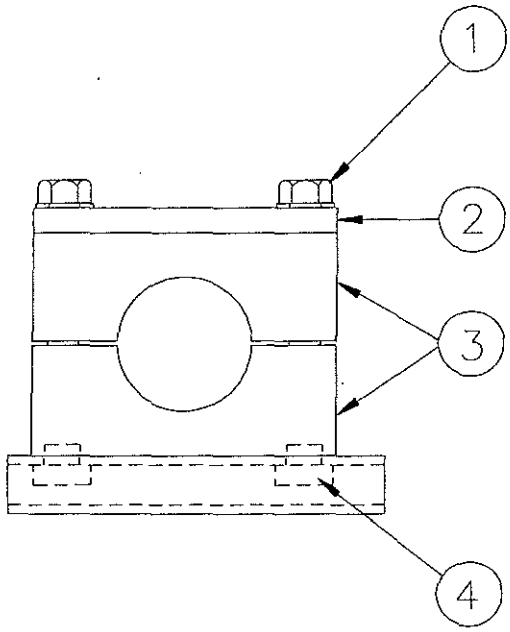
Item	P/N	Part Description	Qty	Kits
001	10017	CAPSCREW 3/8-16NC X 2-1/4 GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002569	RAIL NUT 3/8NC	2	



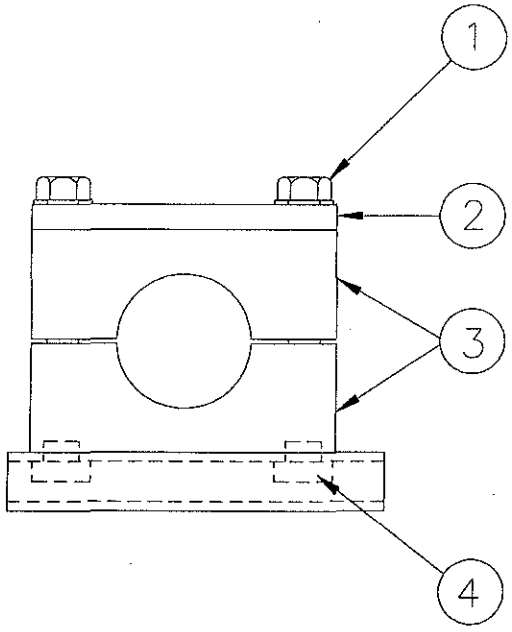
Item	P/N	Part Description	Qty	Kits
001	10017	CAPSCREW 3/8-16NC X 2-1/4 GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002569	RAIL NUT 3/8NC	2	



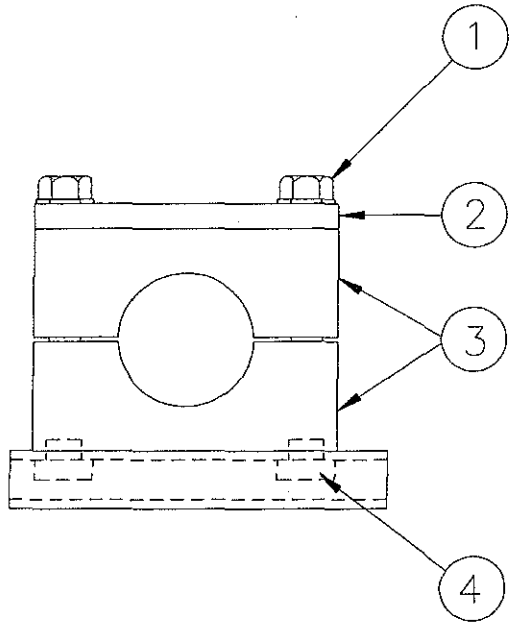
Item	P/N	Part Description	Qty	Kits
001	10019	CAPSCREW 3/8-16NC X 2-3/4 GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002569	RAIL NUT 3/8NC	2	



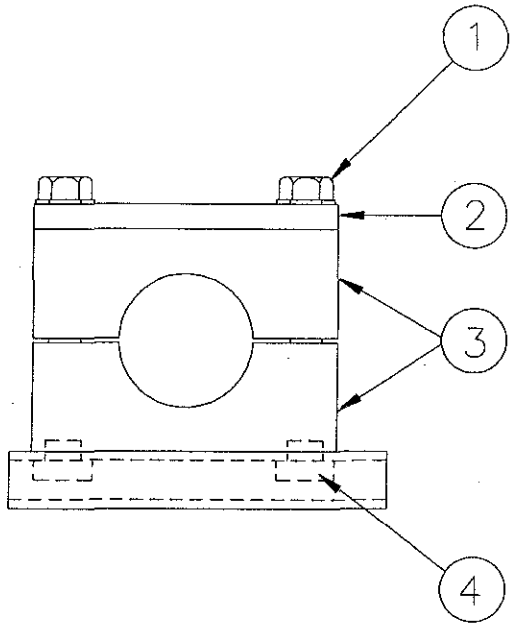
Item	P/N	Part Description	Qty	Kits
001	10019	CAPSCREW 3/8-16NC X 2-3/4 GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002569	RAIL NUT 3/8NC	2	



Item	P/N	Part Description	Qty	Kits
001	10019	CAPSCREW 3/8-16NC X 2-3/4 GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002569	RAIL NUT 3/8NC	2	



Item	P/N	Part Description	Qty	Kits
001	27652	CAPSCREW 7/16-14NC X 4" GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002570	RAIL NUT 7/16NC	2	



UNIT RIG
TEREX MINING
SERVICE PARTS

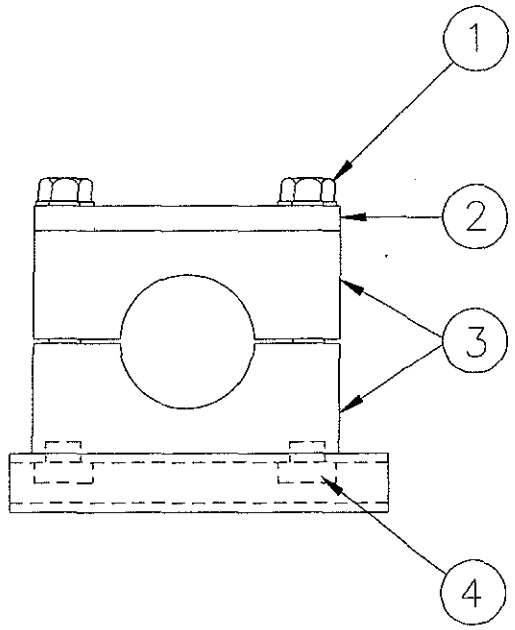
SUPPORT CLAMP ASSEMBLY

84211M

09/09/1998

SHEET 1 OF 1

Item	P/N	Part Description	Qty	Kits
001	27652	CAPSCREW 7/16-14NC X 4" GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002570	RAIL NUT 7/16NC	2	



UNIT RIG
TEREX MINING
SERVICE PARTS

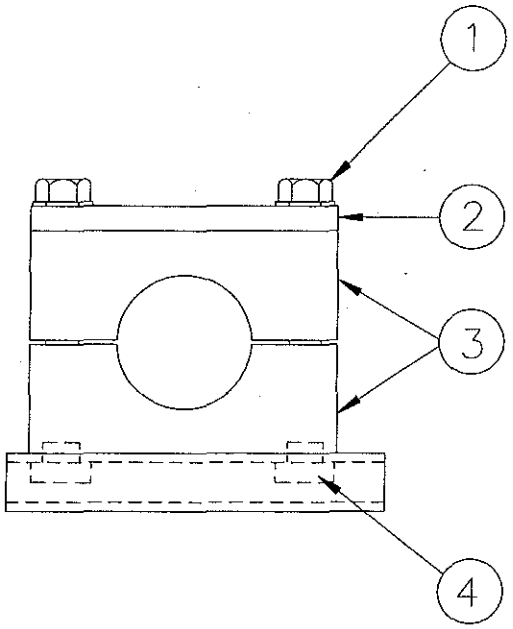
SUPPORT CLAMP ASSEMBLY

84211N

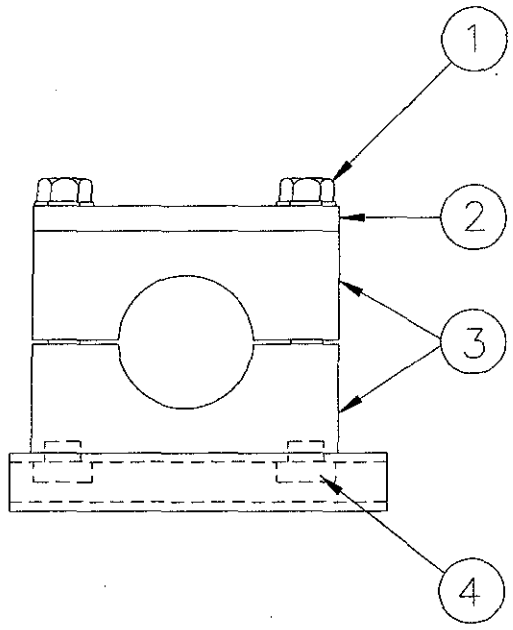
09/09/1998

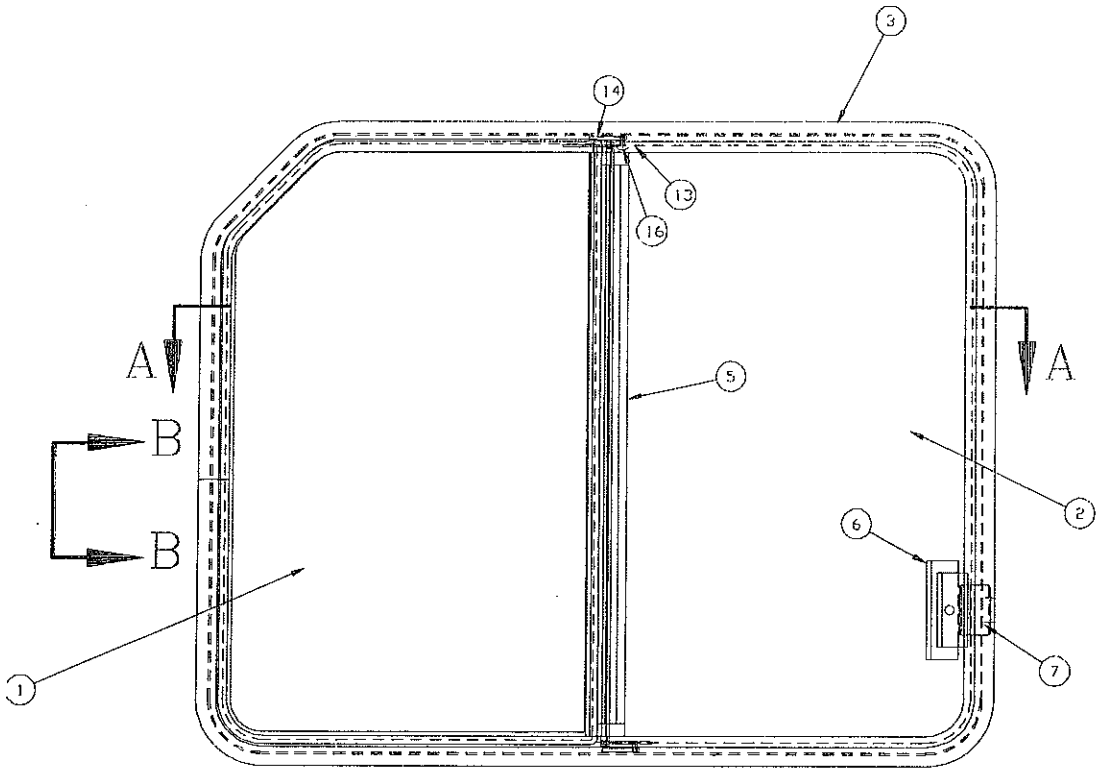
SHEET 1 OF 1

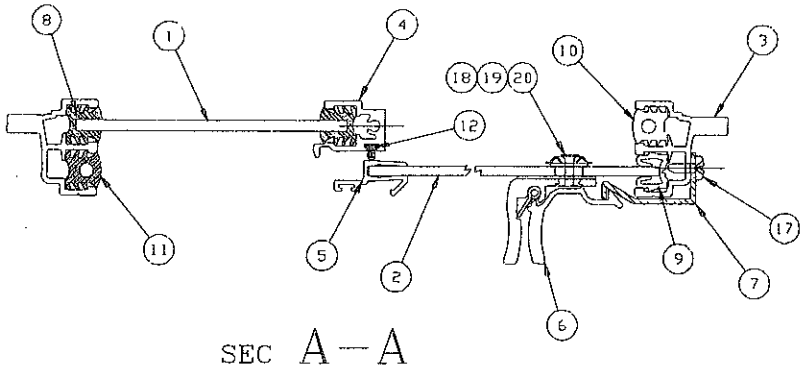
Item	P/N	Part Description	Qty	Kits
001	27652	CAPSCREW 7/16-14NC X 4" GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002570	RAIL NUT 7/16NC	2	



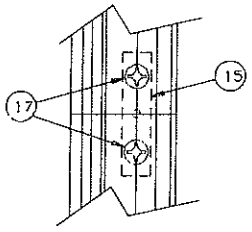
Item	P/N	Part Description	Qty	Kits
001	27652	CAPSCREW 7/16-14NC X 4" GR 5	2	
002		COVER PLATE	1	
003		CLAMP HALVES	2	
004	2002570	RAIL NUT 7/16NC	2	







SEC A–A

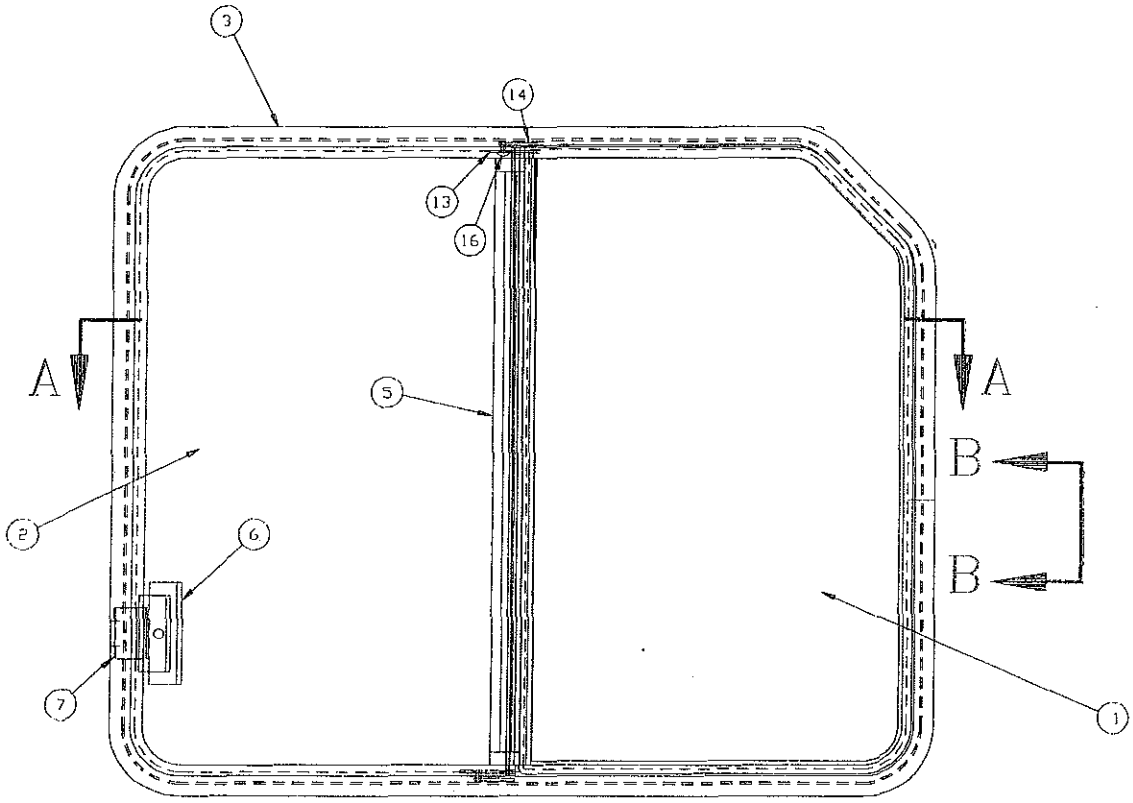


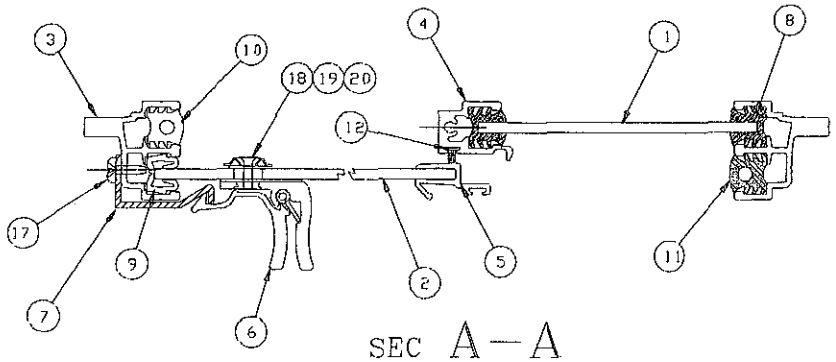
VIEW B–B

UNIT RIG TEREX MINING SERVICE PARTS	L.H. DOOR SLIDER WINDOW	84568C	
		09/16/2002	SHEET 1 OF 2

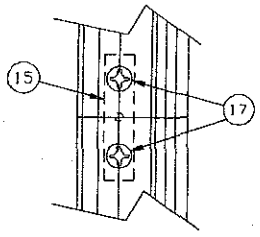
Item	P/N	Part Description	Qty	Kits
001	* 84736A *	**GLASS, FIXED (*SEE SERVICE PART DRAWING*)**	1	
002	* 84736E *	**GLASS, DOOR SLIDING (SEE SERVICE PART DRAWING*)**	1	K01
003	84593E	FRAME, WINDOW L.H.	1	
004	84593G	RAIL, KEEPER	1	
005	84593U	RAIL, SLIDING	1	K01
006	84593T	LATCH, WINDOW (INCLUDES 18-20)	1	K01
007	84593V	KEEPER, LATCH	1	
008	84593M	GLAZING, WINDOW PVC	1	
009	84593K	RUBBER, FLOCKED	1	
010	84593N	TRIM, COVER	1	
011	84593P	TRIM, STOP	1	
012	84593S	SEAL, WEATHER	1	
013	84593A	RETAINER, RAIL	2	
014	84593H	BRACKET, RETAINER	2	
015	84593J	NUT, DOUBLE SPEED	1	
016	56111	SCREW, #8 FLAT HD PHL X 3/4 LG	2	
017	56110	SCREW, #8 PAN HD PHLP X 3/8 LG	4	
018	56226	SCREW, MACH OVLHD 8-32NC X 1/2	1	K01
019	56227	WASHER, COUNTERSUNK #8	1	K01
020	916418	GROMMET, LATCH SCREW	1	K01
K01	916419	GLASS ASSEMBLY, SLIDER L.H.	1	

*** SEE SERVICE PARTS**





SEC A–A



VIEW B–B

UNIT RIG TEREX MINING SERVICE PARTS	R.H. DOOR SLIDER WINDOW	84568E	
		09/16/2002	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001	* 84736A *	**GLASS, FIXED (*SEE SERVICE PART DRAWING*)**	1	
002	* 84736E *	**GLASS, DOOR SLIDING (*SEE SERVICE PART DRAWING*)**	1	K01
003	84593F	FRAME, WINDOW R.H.	1	
004	84593G	RAIL, KEEPER	1	
005	84593U	RAIL, SLIDING	1	K01
006	84593T	LATCH, WINDOW (INCLUDES 18-20)	1	K01
007	84593V	KEEPER, LATCH	1	
008	84593M	GLAZING, WINDOW PVC	1	
009	84593K	RUBBER, FLOCKED	1	
010	84593N	TRIM, COVER	1	
011	84593P	TRIM, STOP	1	
012	84593S	SEAL, WEATHER	1	
013	84593A	RETAINER, RAIL	2	
014	84593H	BRACKET, RETAINER	2	
015	84593J	NUT, DOUBLE SPEED	1	
016	56111	SCREW, #8 FLAT HD PHL X 3/4 LG	2	
017	56110	SCREW, #8 PAN HD PHLP X 3/8 LG	4	
018	56226	SCREW, MACH OVLHD 8-32NC X 1/2	1	K01
019	56227	WASHER, COUNTERSUNK #8	1	K01
020	916418	GROMMET, LATCH SCREW	1	K01
K01	916420	GLASS ASSEMBLY, SLIDER R.H.	1	

*** SEE SERVICE PARTS**

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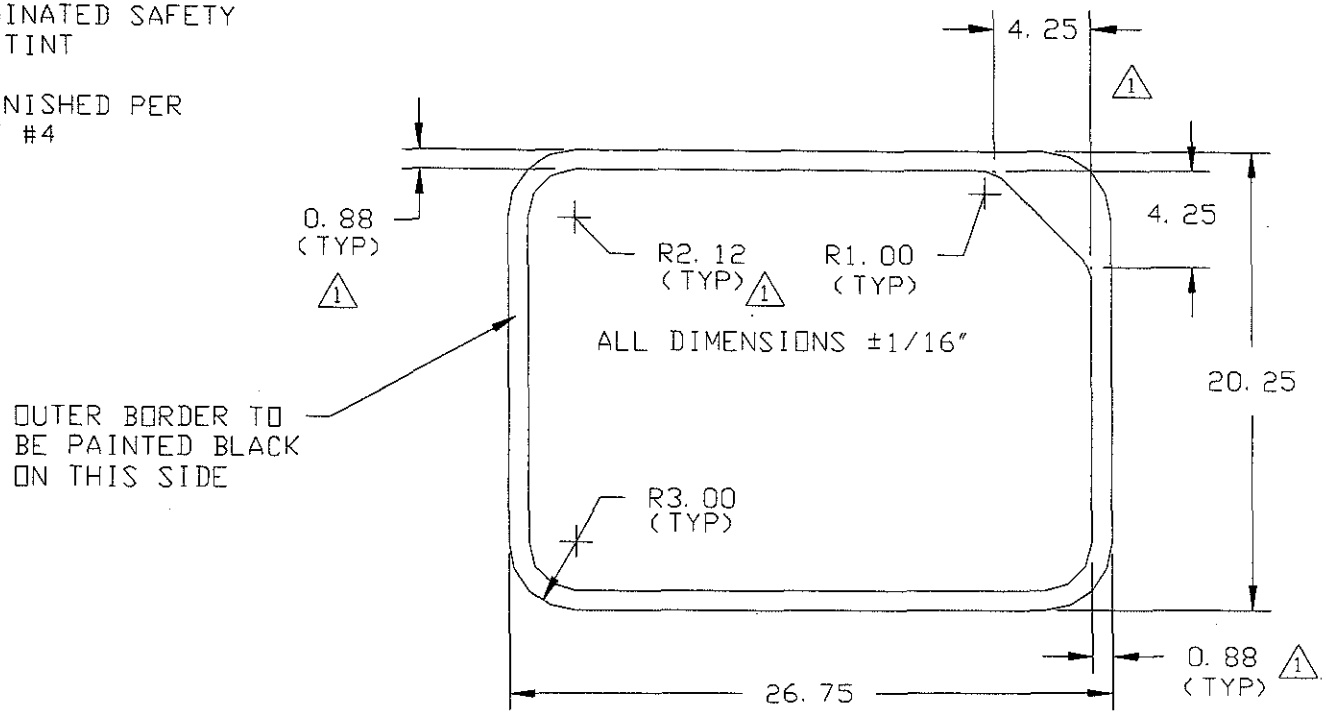
TOLERANCES: UNLESS OTHERWISE SPECIFIED		
DECIMAL	FRACTIONAL	ANGULAR
.XXX ± .010	± 1/8	± 1/2°
.XX ± .03		
.X ± .1		

84572B

SPECIFICATIONS

1/4" THICK LAMINATED SAFETY GLASS W/GREEN TINT

EDGES TO BE FINISHED PER SAE J673, EDGE #4



CHG	EN. NO.	DATE	DESCRIPTION	N/A	VEHICLE	S.N.
1	90661	7/98	EQUALIZED BLACK BORDER			
■	90589	5/98	RELEASE	A85100A		

GLASS, REAR

DR T. DODEN
ENG APP ROBINSON
REL CK J. ELLIS

UNIT RIG

CAD SIZE 1

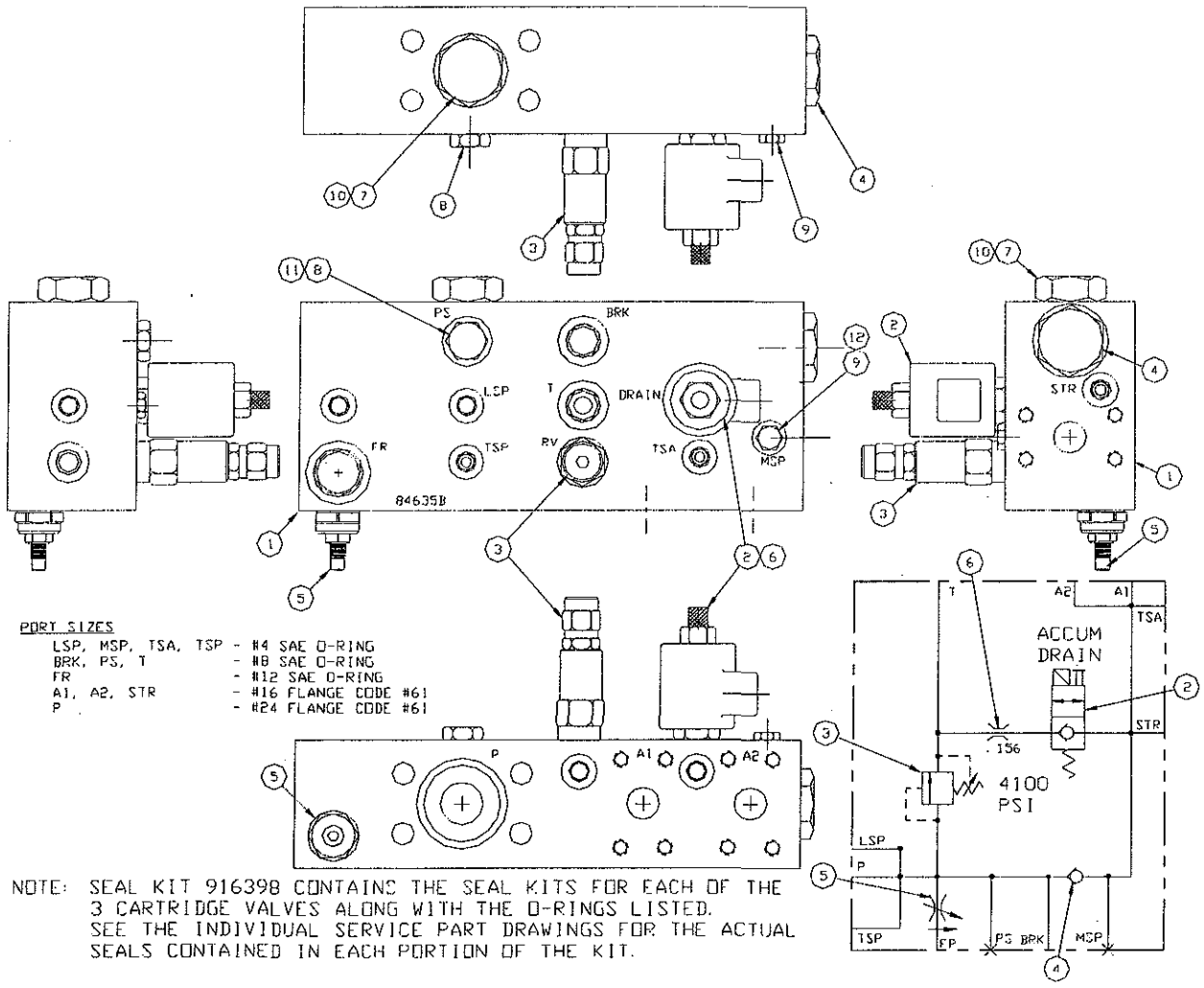
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DATE: 5/04/98

SHEET 1 OF 1

84572B

BI115389

I/N	P/N	Part Description	Qty	Kits
001	80629F	MANIFOLD, DRILLING (BODY)	1	
002	* **55984** *	VALVE - SOLENOID, CARTRIDGE (***SPD***)	1	
003	* **55914** *	VALVE, RELIEFCARTRIDGE (***SPD***)	1	
004	* **55915** *	VALVE, CHECK CARTRIDGE (***SPD***)	1	
005	* **56389** *	VALVE, CARTRIDGE FLOW CONTROL (***SPD***)	1	
006	56133	ORIFICE DISC (0.156 INCHES)	1	
007	19426	PLUG, #16 O-RING BOSS	1	
008	22745	PLUG, #8 O-RING BOSS	1	
009	27661	PLUG, #4 O-RING BOSS	1	
010	21224	#16 O-RING	1	K01
011	1017446	#8 O-RING	1	K01
012	21688	#4 O-RING	1	K01
K01	916398	SEAL KIT, ALL SEALS IN MANIFOLD	1	



PORT SIZES
LSP, MSP, TSA, TSP - #4 SAE O-RING
BRK, PS, T - #8 SAE O-RING
FR - #12 SAE O-RING
A1, A2, STR - #16 FLANGE CODE #61
P - #24 FLANGE CODE #61

NOTE: SEAL KIT 916398 CONTAINS THE SEAL KITS FOR EACH OF THE 3 CARTRIDGE VALVES ALONG WITH THE O-RINGS LISTED. SEE THE INDIVIDUAL SERVICE PART DRAWINGS FOR THE ACTUAL SEALS CONTAINED IN EACH PORTION OF THE KIT.

*** SEE SERVICE PARTS**

UNIT RIG TM / UNIT RIG TEREX MINING SERVICE PARTS	STEERING MANIFOLD ASSEMBLY	84635B	
		05/10/2002	SHEET 1 OF 1

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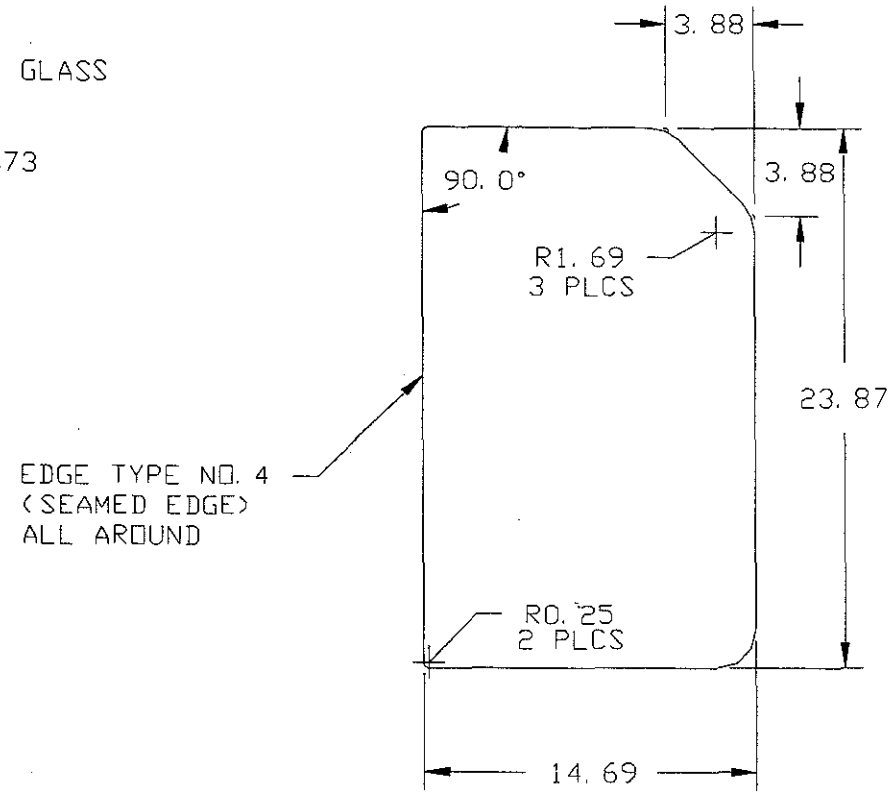
DECIMAL	FRACTIONAL	ANGULAR
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.XX ± .03		
.X ± .1		

84736A

SPECIFICATIONS

.125/.141 TEMPERED SAFETY GLASS
SOLEX(GREEN) TINT

EDGES FINISHED PER SAE J673



CHG	NO.	DATE	DESCRIPTION	N/A	VEHICLE	S.N.
■	89617	6/96	RELEASE	84568A, B	MH	

GLASS, DOOR FIXED

DR T. DODEN
ENG APP
REL CK

UNIT RIG

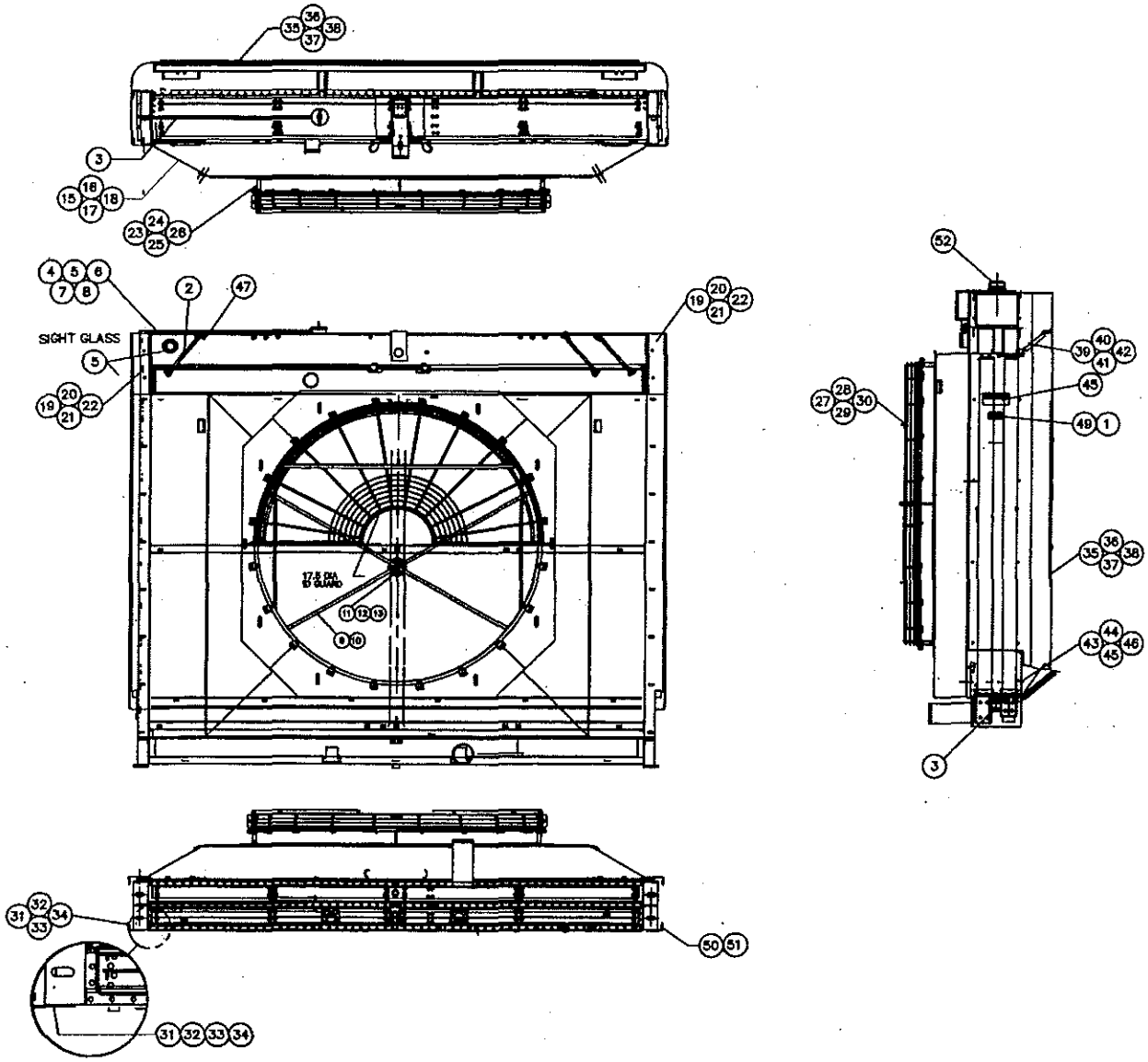
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DATE: 6/19/96

SHEET 1 OF 1

84736A

BI115389

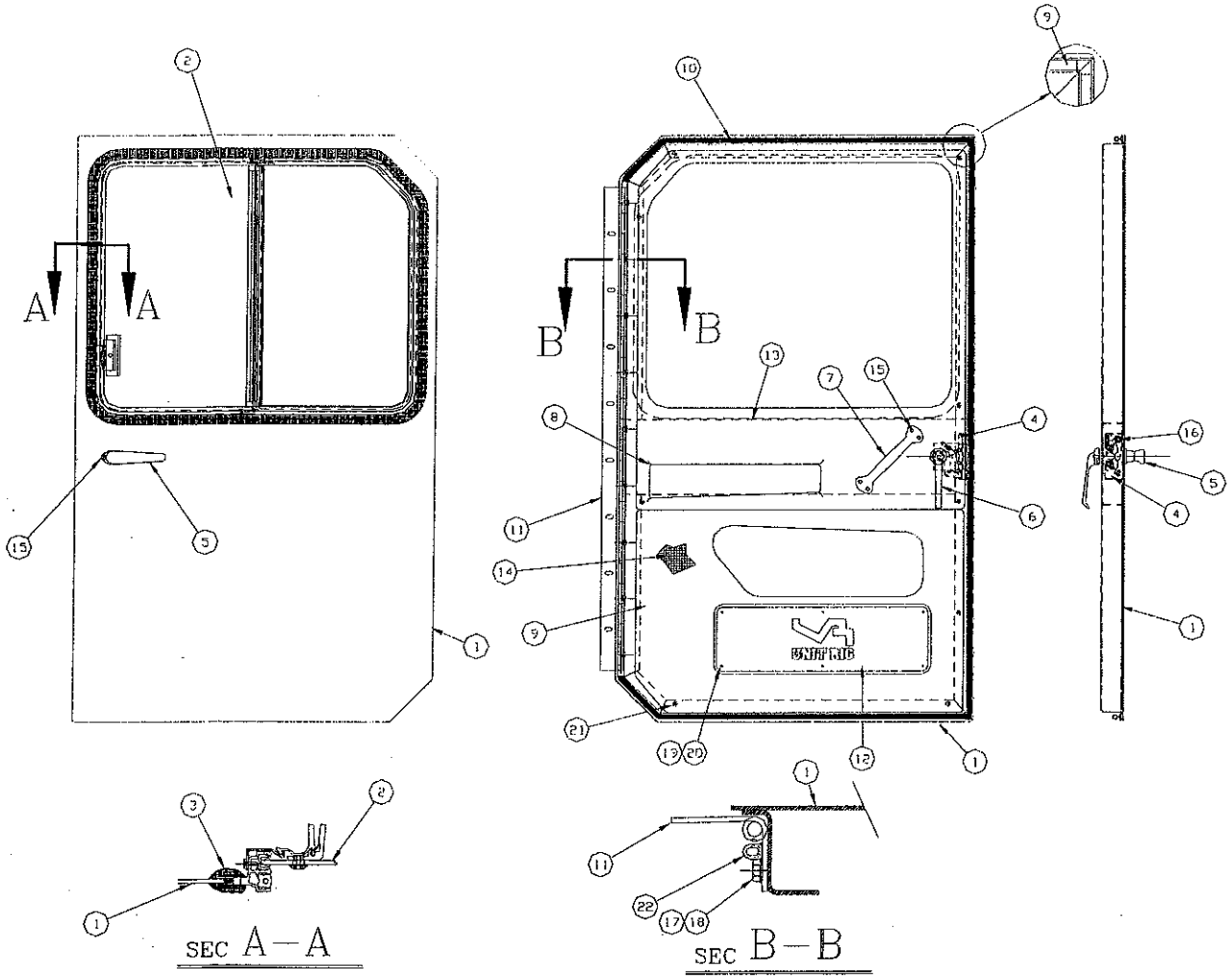


TEREX | UNIT RIG SERVICE PARTS	RADIATOR ASSEMBLY SPLIT FLOW	84909P	
		05/09/2006	SHEET 1 OF 2

ITEM	P/N	Part Description	Qty	Kits
001	2005752	Core	2	
002	2004384	Hose Assembly	3	
003	2005753	Hose	1	
004	2005754	Tank Assembly, SEDD	1	
005	2004779	... Sight Glass	1	
006	17744	Capscrew, Hex, 1/2-13NC X 1-1/2 Inches Long, HHCS, Gr. 8, ZP	8	
007	22465	Flatwasher, 1/2 X 1.062 Inch OD	8	
008	17412	Locknut, Hex, 1/2-13NC	8	
009	2005755	Tie Rod	2	
010	17412	Locknut, Hex, 1/2-13NC	12	
011	2004379	Bracket, Tie Rod	2	
012	52156	Capscrew, Hex, 1/4-20NC X 1/2 Inch Long, HHCS, Gr. 8, ZP	4	
013	10162	Flatwasher, 1/4 X 0.625 Inch OD	4	
014	15675	Locknut, Hex, 1/4-20NC, Grade B	4	
015	2004425	Shroud Assembly, Fan	1	
016	52118	Capscrew, Hex, 3/8-16NC X 1 Inch Long, HHCS, Gr. 8, ZP	16	
017	10164	Flatwasher, 3/8 X 1 Inch OD	16	
018	17413	Locknut, Hex, 3/8-16NC	16	
019	2004426	Channel Assembly	2	
020	52118	Capscrew, Hex, 3/8-16NC X 1 Inch Long, HHCS, Gr. 8, ZP	4	
021	10164	Flatwasher, 3/8 X 1 Inch OD	4	
022	17413	Locknut, Hex, 3/8-16NC	4	
023	2004427	Ring Panel Assembly	1	
024	51371	Capscrew, Hex, 1/2-13NC X 1 Inch Long, HHCS, Gr. 8, ZP	10	
025	17412	Locknut, Hex, 1/2-13NC	10	
026	22465	Flatwasher, 1/2 X 1.062 Inch OD	10	
027	2004428	Fan Guard Assembly, Half	2	
028	52118	Capscrew, Hex, 3/8-16NC X 1 Inch Long, HHCS, Gr. 8, ZP	32	
029	10164	Flatwasher, 3/8 X 1 Inch OD	20	
030	17413	Locknut, Hex, 3/8-16NC	20	
031	2005756	Channel Support Assembly, Left	1	
032	52118	Capscrew, Hex, 3/8-16NC X 1 Inch Long, HHCS, Gr. 8, ZP	7	
033	10164	Flatwasher, 3/8 X 1 Inch OD	7	
034	17413	Locknut, Hex, 3/8-16NC	7	
035	2005757	Grille Guard Assembly	1	
036	52117	Capscrew, Hex, 3/8-16NC X 3/4 Inch Long, HHCS, Gr. 8, ZP	20	
037	10164	Flatwasher, 3/8 X 1 Inch OD	20	
038	17413	Locknut, Hex, 3/8-16NC	20	
039	2004433	Channel Support	2	
040	52118	Capscrew, Hex, 3/8-16NC X 1 Inch Long, HHCS, Gr. 8, ZP	4	
041	10164	Flatwasher, 3/8 X 1 Inch OD	4	
042	17413	Locknut, Hex, 3/8-16NC	2	
043	2004434	Channel Support	2	
044	52118	Capscrew, Hex, 3/8-16NC X 1 Inch Long, HHCS, Gr. 8, ZP	4	
045	10164	Flatwasher, 3/8 X 1 Inch OD	4	
046	2004387	Plate, Flat Round	2	
047	17413	Locknut, Hex, 3/8-16NC	2	
048	2004383	Adapter, Right Angle	6	
049		Plate, Serial Number	1	
050	2005758	Channel Support Assembly, Right	1	
051	52118	Capscrew, Hex, 3/8-16NC X 1 Inch Long, HHCS, Gr. 8, ZP	7	
052	2004735	Cap, 14 Psi with Pushbutton and Chain	1	

I/N	P/N	Part Description	QTY	Kit
001	2004721	Oil Filter (DDC P/N 5241840301)	4	
002	2002797	Fuel Filter - Primary	1	
003	2005239	. Element - Fuel, Primary (DDC P/N 23530646)	1	
004	2005192	Filter - Fuel, Seconday (Element) (DDC P/N 23530644)	2	
005	2002798	Belt - Fan	1	
006	2002931	Belt - Alternator	1	
007 * 2005190 *		**Starter - Electric (DDC P/N 10479345) (*See Service Part Drawing for installation details*)**	**2**	
008	2005191	Solenoid Switch (with 2005190 Starter)	2	
009 * 55047 *		**Alternator (*See Service Parts Drawing*)**	**1**	

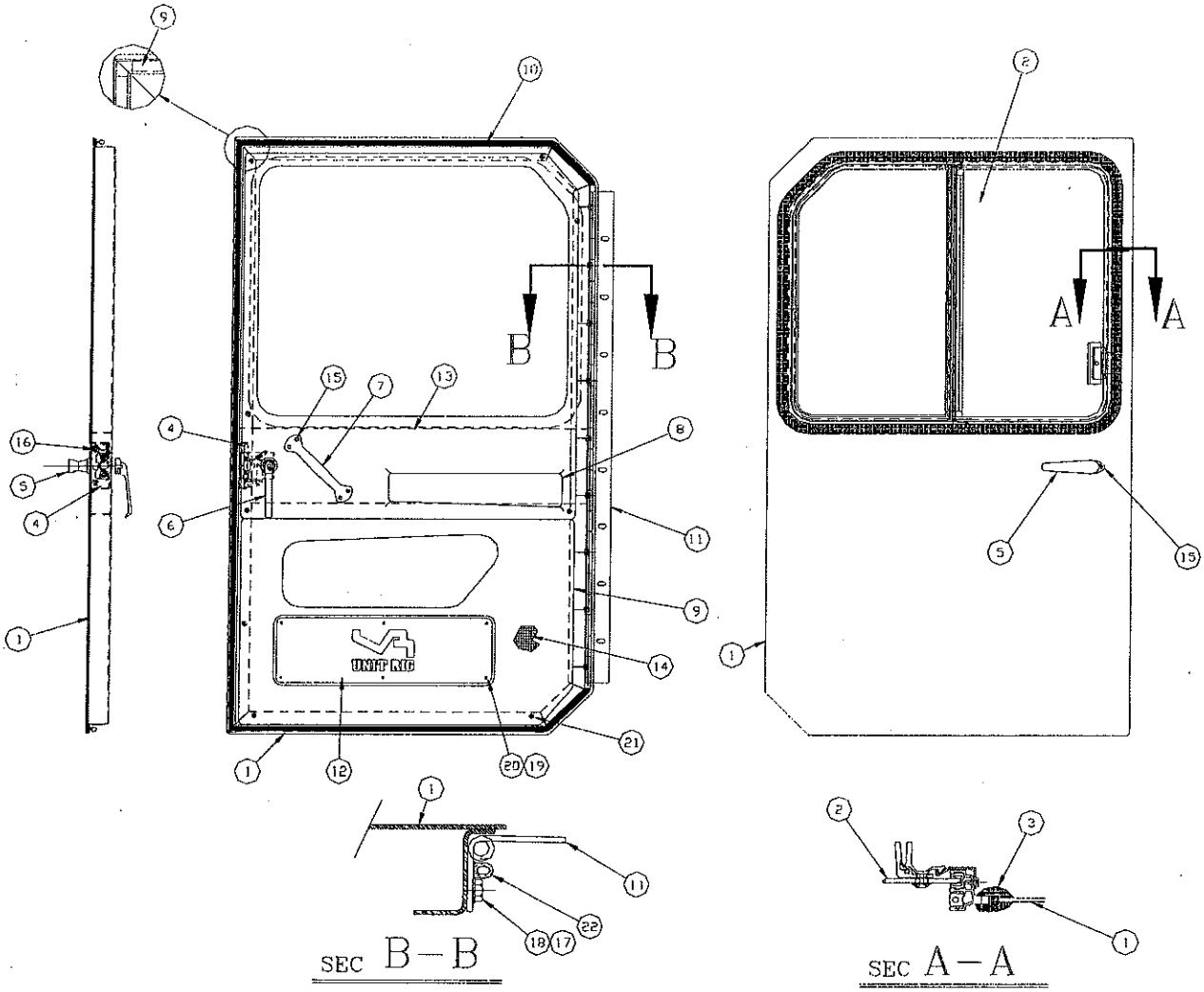
See Service Parts Drawing



UNIT RIG TEREX MINING SERVICE PARTS	L.H. DOOR ASSEMBLY	85081C	
		04/24/2002	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		FRAME, NOT SOLD SEPARATELY	1	
002	* **84568C** *	L.H. DOOR SLIDER WINDOW (*SEE SPD*)	1	
003	25808	WEATHERSTRIP (IN INCHES)	90	
004	84432F	L.H. DOOR LATCH	1	
005	82536B	HANDLE, DOOR OUTER	1	
006	56141	LATCH INSIDE HANDLE	1	
007	25871	HANDLE-GRIP	1	
008	85085F	UPPER DOOR TRIM	1	
009	85085H	LOWER DOOR PANEL	1	
010	56237	BULB DOOR SEAL (IN FEET)	11	
011	84575E	DOOR HINGE	1	
012	84756F	DOOR KICK PLATE	1	
013	85137A	INNER DOOR PANEL	1	
014	85141A	L.H. DOOR INSULATION	1	
015	26896	MACHINE SCREW 1/4-20NC X 3/4	6	
016	12315	CAPSCREW, HEX 1/4-20NC X 1 1/4	4	
017	10649	CAPSCREW, HEX 5/16-18NC X 3/4	9	
018	10163	FLATWASHER, 5/16 X .687 OD	9	
019	15875	MACHINE SCREW RH 10-32NF X 3/8	6	
020	17808	LOCKNUT, HEX 10-32 NF	6	
021	56247	SELF DRILLING SCREW, PAN HEAD	9	
022	56241	SEAL, BULB RUBBER (IN INCHES)	55	

*** SEE SERVICE PARTS**



UNIT RIG TM UNIT RIG TEREX MINING SERVICE PARTS	R.H. DOOR ASSEMBLY	85081E	
		04/24/2002	SHEET 1 OF 2

Item	P/N	Part Description	Qty	Kits
001		FRAME, NOT SOLD SEPARATELY	1	
002	* 84568E *	R.H. DOOR SLIDER WINDOW (*SEE SPD*)	1	
003	25808	WEATHERSTRIP (IN INCHES)	90	
004	84432G	R.H. DOOR LATCH	1	
005	82536B	HANDLE, DOOR OUTER	1	
006	56141	LATCH INSIDE HANDLE	1	
007	25871	HANDLE-GRIP	1	
008	85085G	R.H. UPPER DOOR TRIM	1	
009	85085J	R.H. LOWER DOOR PANEL	1	
010	56237	BULB DOOR SEAL (IN FEET)	14	
011	84575E	DOOR HINGE	1	
012	84756F	DOOR KICK PLATE	1	
013	85137A	DOOR INNER PANEL	1	
014	85141B	R.H. DOOR INSULATION	1	
015	26896	MACHINE SCREW, 1/4-20NC X 3/4	6	
016	12315	CAPSCREW, HEX 1/4-20NC X 1 1/4	4	
017	10649	CAPSCREW, HEX 5/16-18NC X 3/4	9	
018	10163	FLATWASHER, 5/16 X .687 OD	9	
019	15875	MACHINE SCREW RH 10-32NF X 3/8	6	
020	17808	LOCKNUT, HEX 10-32 NF	6	
021	56247	SELF DRILLING SCREW, PAN HEAD	9	
022	56241	SEAL, BULB RUBBER (IN INCHES)	55	

*** SEE SERVICE PARTS**

85480A

	ITM	QTY	UM	COMPONENT	DESCRIPTION
	1	1		56510	D. I. D. PANEL GE P/N 17FM558A2
S	2	1	*	20379 *	SWITCH-SELECTOR GE P/N 41A251348G1
	3	1		28512	SWITCH-PRESSURE GE P/N 41B512742P3
	4	2		56483	SENSOR, SPEED

150 TON AC SYSTEM
LOOSE PARTS
GE P/N 41X320036G4

*** SEE INDIVIDUAL SERVICE PART DRAWINGS ***

ALVERT-TEREX

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DR. SLF
ENG. APP. MASSIE
REL. CK. ELLIS

91793
E.N. NO.

TEREX MINING

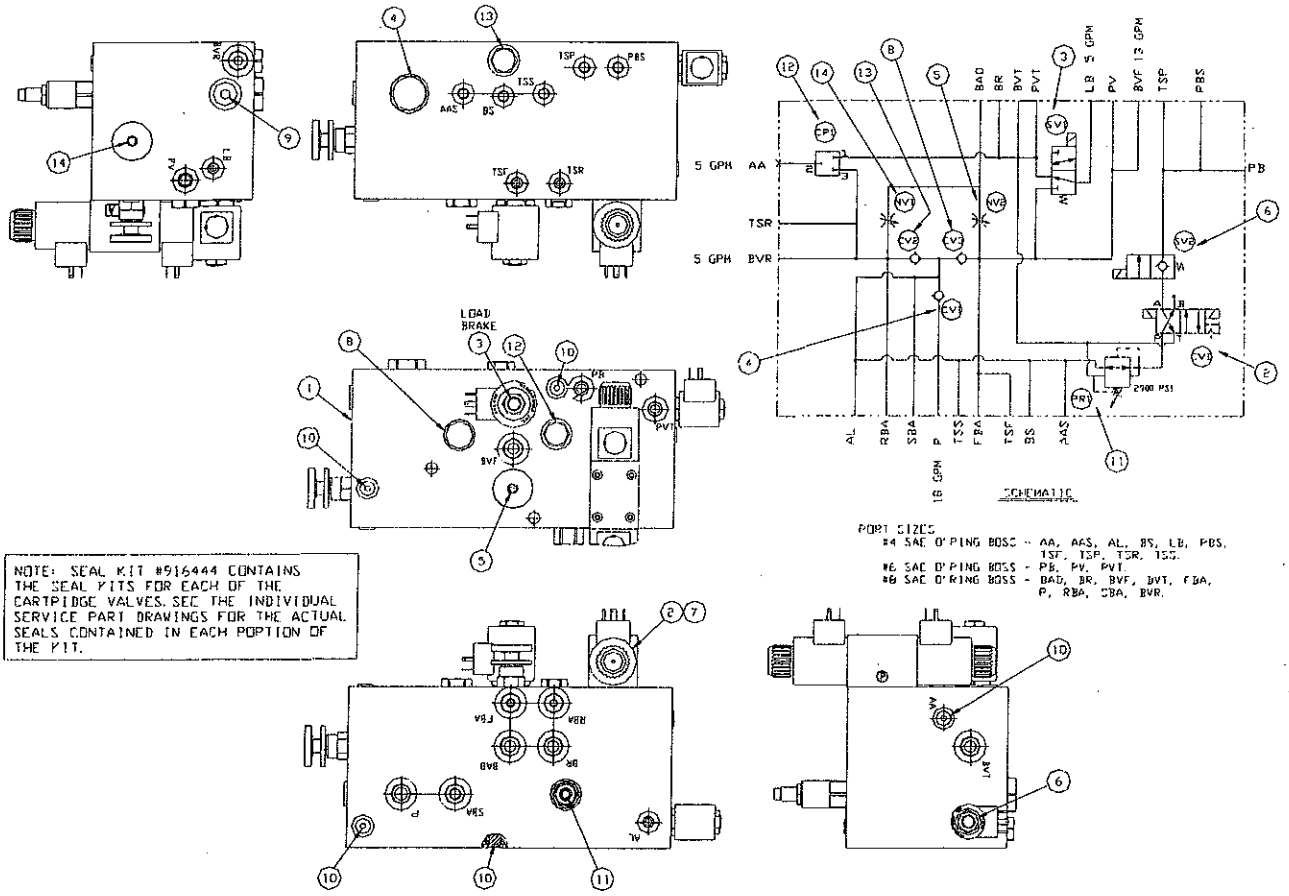
KIT, AC CONTROL PARTS

SHEET 1 OF 1

85480A

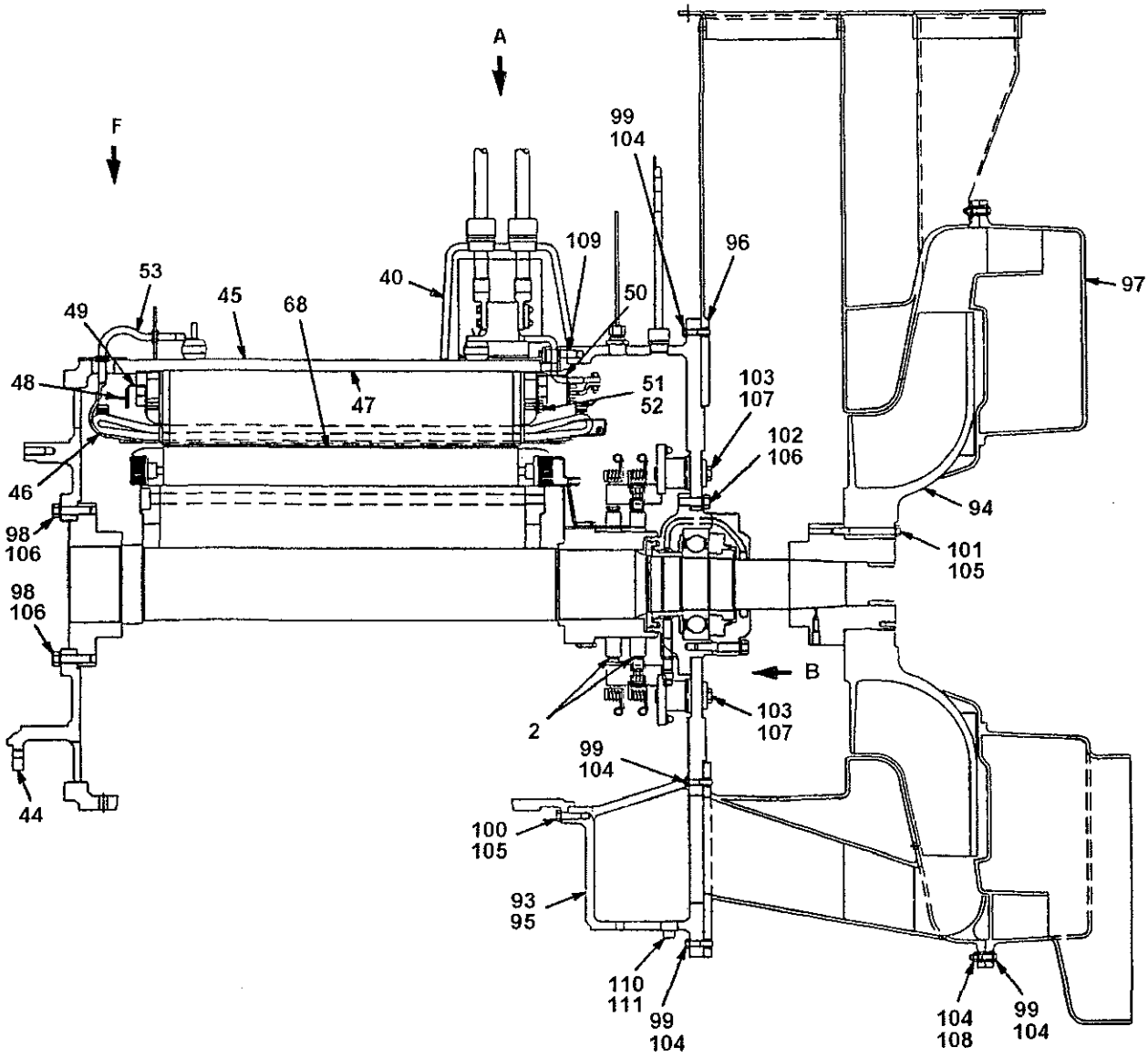
Item	P/N	Part Description	Qty	Kits
001	916443	Manifold - Body	1	
002 *	**57060 ***	**Valve - Park Brake Solenoid (24 Vdc) (*See Service Part Drawing*)**	1	
003 *	**56081 ***	**Valve - Solenoid, Cartridge (*See Service Part Drawing*)**	1	
004 *	**55644 ***	**Valve - Check, Cartridge (*See Service Part Drawing*)**	1	
005 *	**56371 ***	**Valve - Needle, Cartridge (*See Service Part Drawing*)**	1	
006 *	**55918 ***	**Valve - Solenoid, Cartridge (*See Service Part Drawing*)**	1	
007	55002	Capscrew, Hex Skt 10-24 x 1-1/4 Inch Long, Gr 8	4	
008 *	**55647 ***	**Valve - Check, Cartridge (*See Service Part Drawing*)**	1	
009	22745	Plug - #8 O-Ring Boss	1	
010	52847	Plug - #4 O-Ring Boss, Countersunk	13	
011 *	**56603 ***	**Valve - Pressure Regulator, Cartridge (*See Service Part Drawing*)**	1	
012 *	**56602 ***	**Valve - Plug, Cartridge (*See Service Part Drawing*)**	1	
013 *	**55657 ***	**Valve - Check, Cartridge (*See Service Part Drawing*)**	1	
014 *	**56371 ***	**Valve - Needle, Cartridge (*See Service Part Drawing*)**	1	
K01	916444	Seal - Kit, Manifold (See Note on Drawing)	1	

*** SEE SERVICE PART DRAWING ***



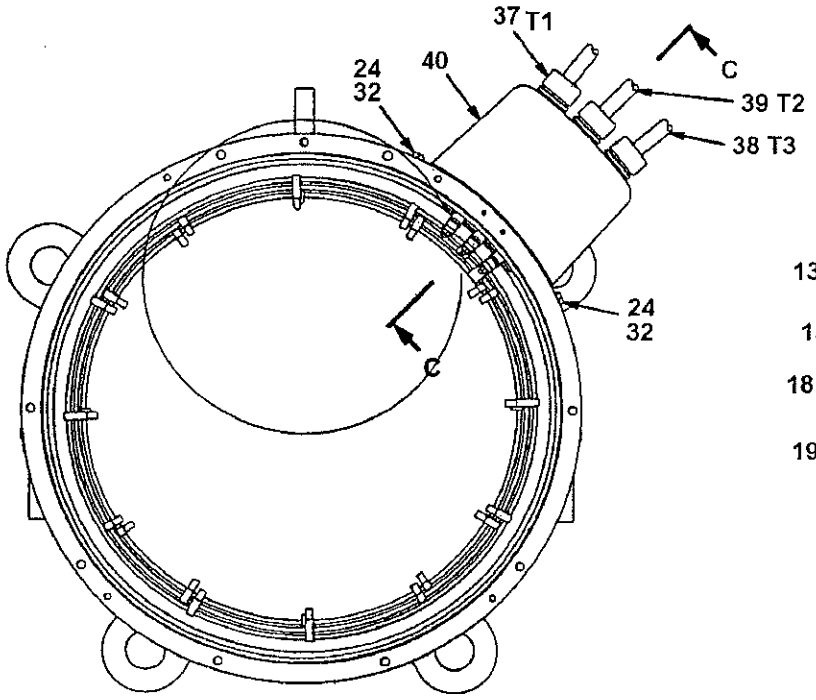
*** SEE INDIVIDUAL SERVICE PART DRAWINGS ***

TEREX|UNIT RIG SERVICE PARTS	BRAKE MANIFOLD ASSEMBLY	85605C
		04/07/2004 | SHEET 1 OF 1

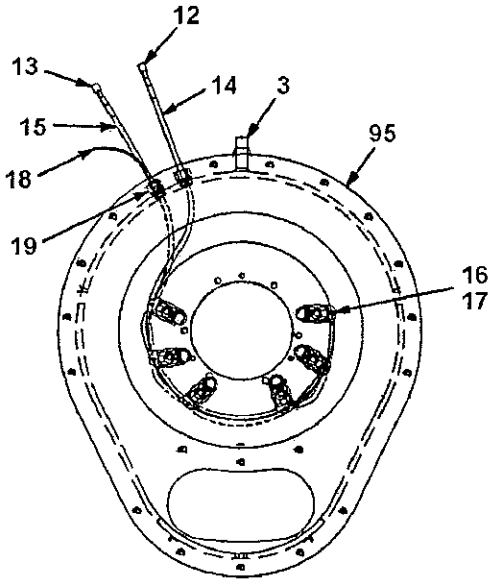


(REPRESENTATIVE ILLUSTRATION)

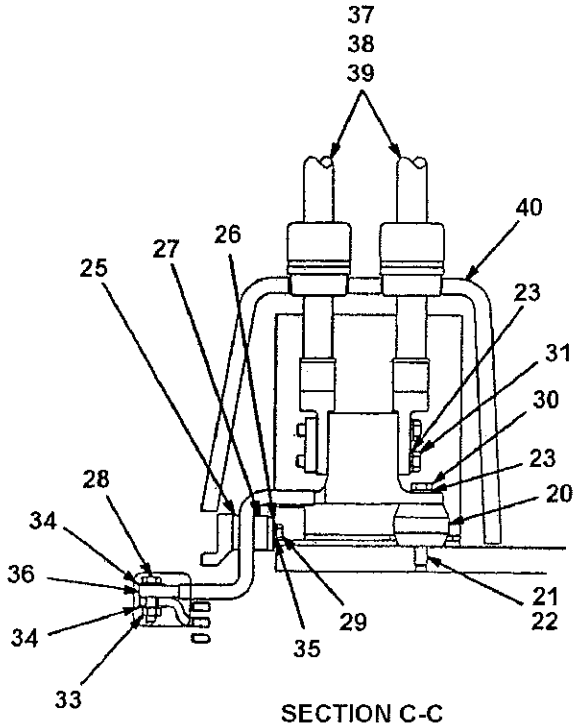
UNIT RIG TM UNIT RIG TEREX MINING SERVICE PARTS	TRACTION ALTERNATOR 5GTA41C1	85788A	
		02/04/2004	SHEET 1 OF 9



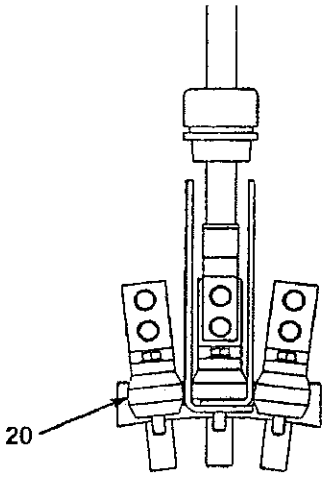
VIEW A



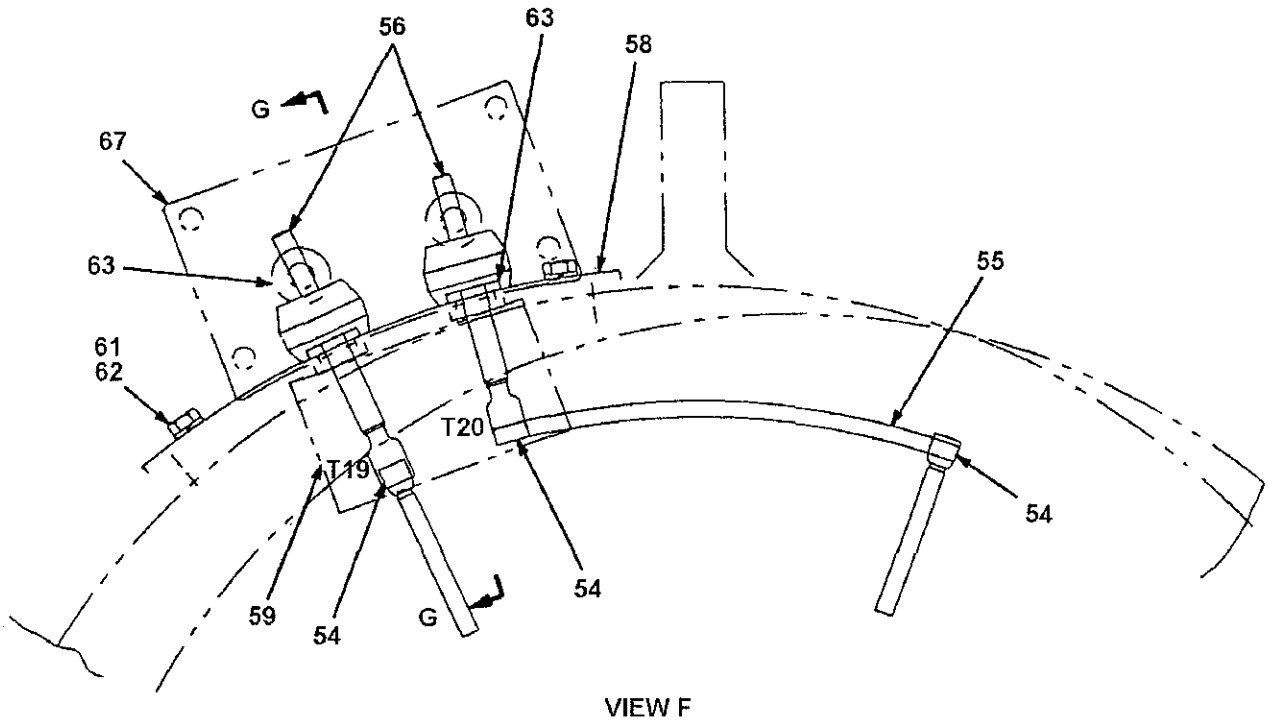
VIEW B



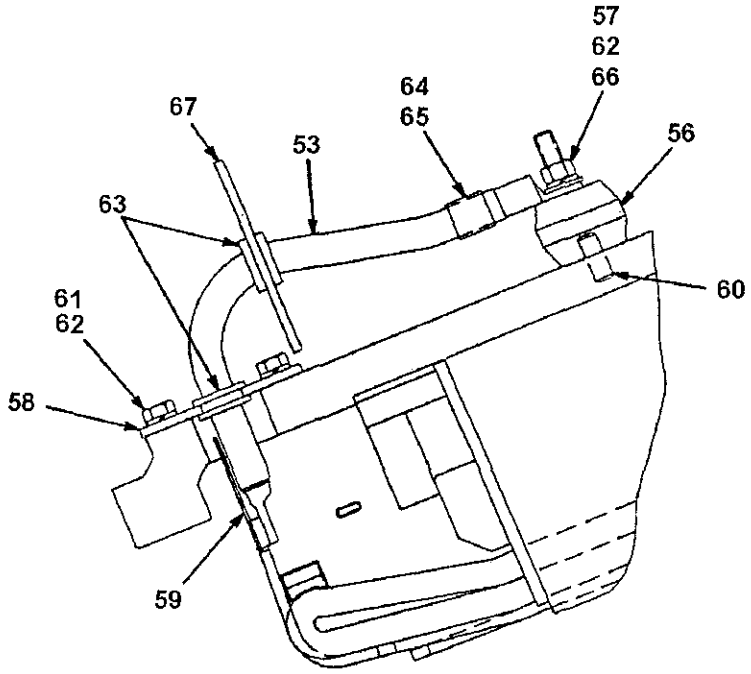
SECTION C-C



(REPRESENTATIVE ILLUSTRATION)

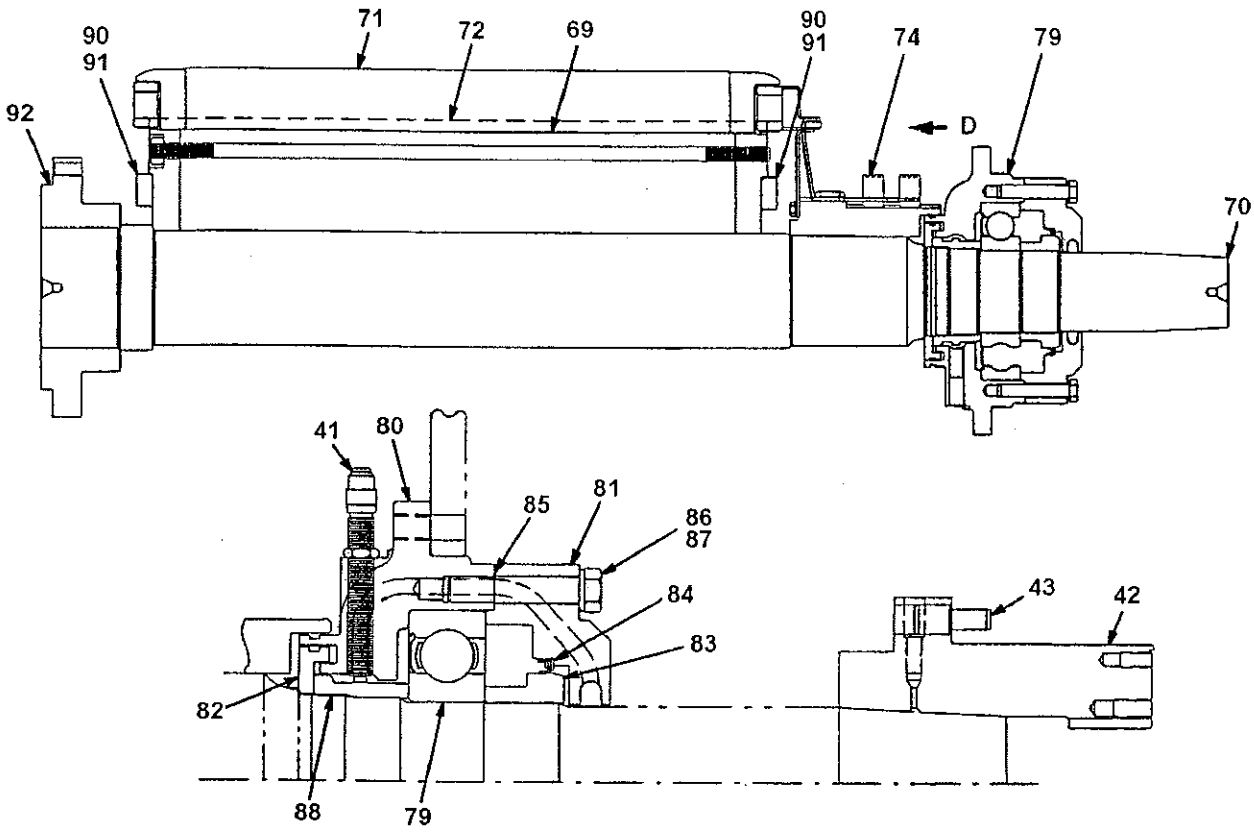


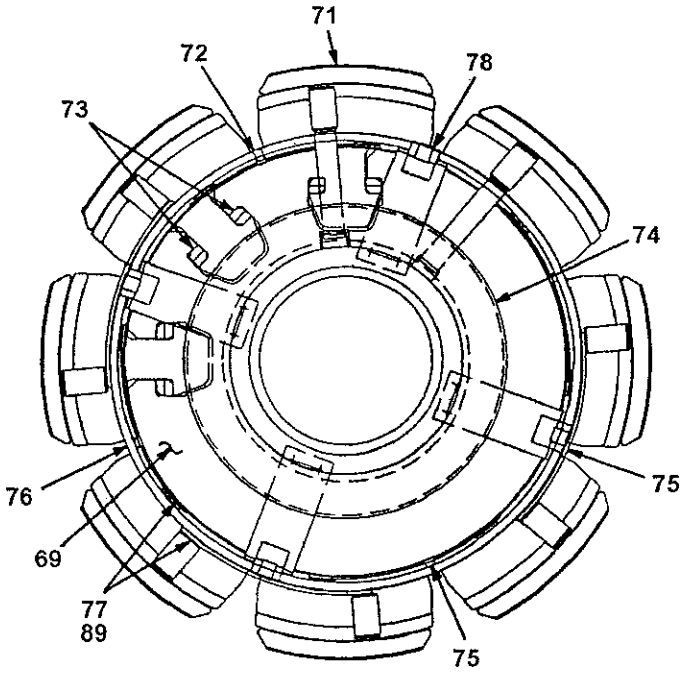
VIEW F



SECTION G-G

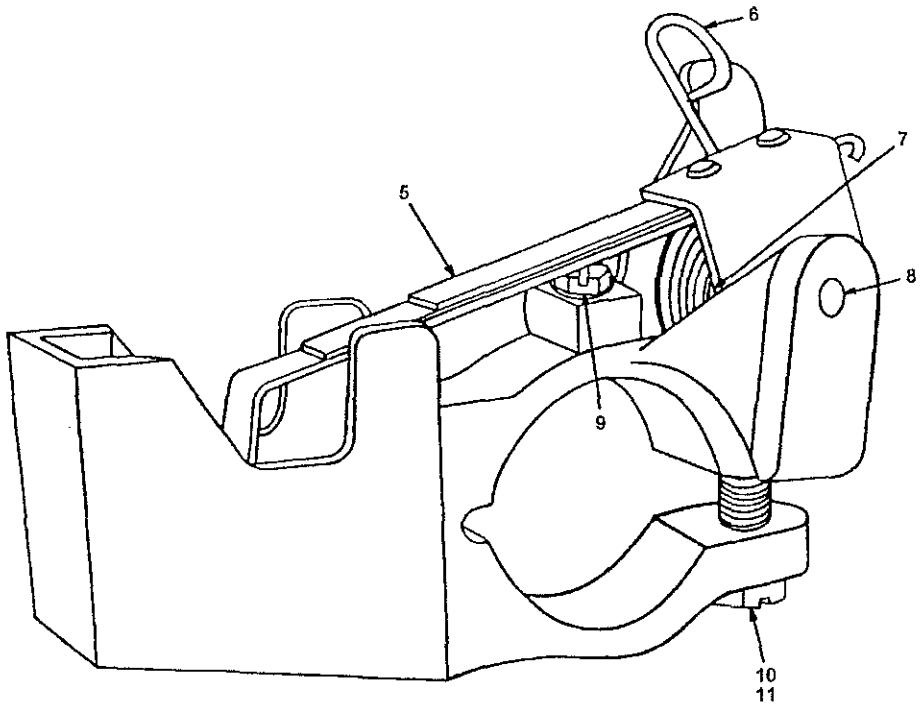
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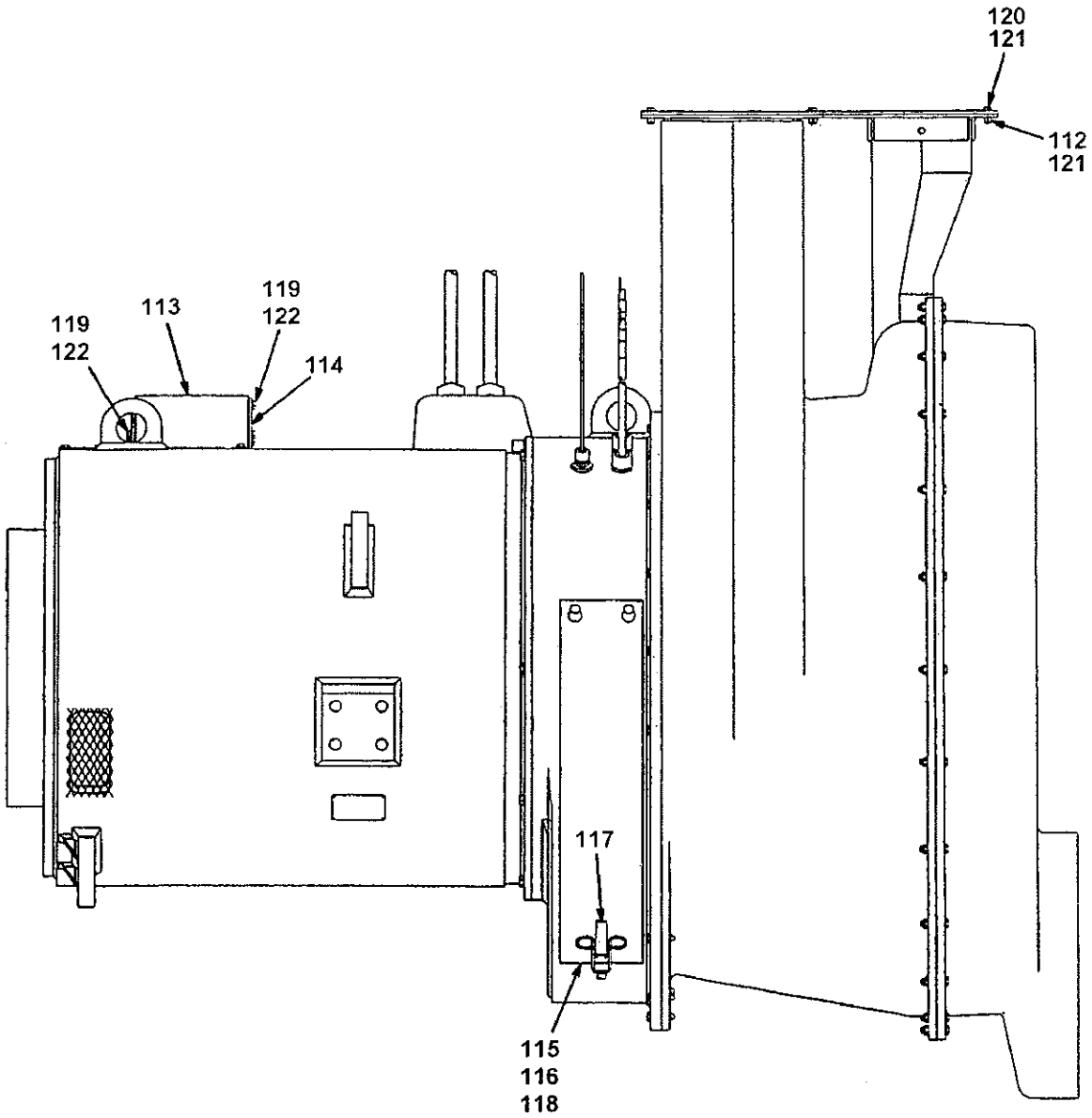


VIEW D

(REPRESENTATIVE ILLUSTRATION)



(REPRESENTATIVE ILLUSTRATION)

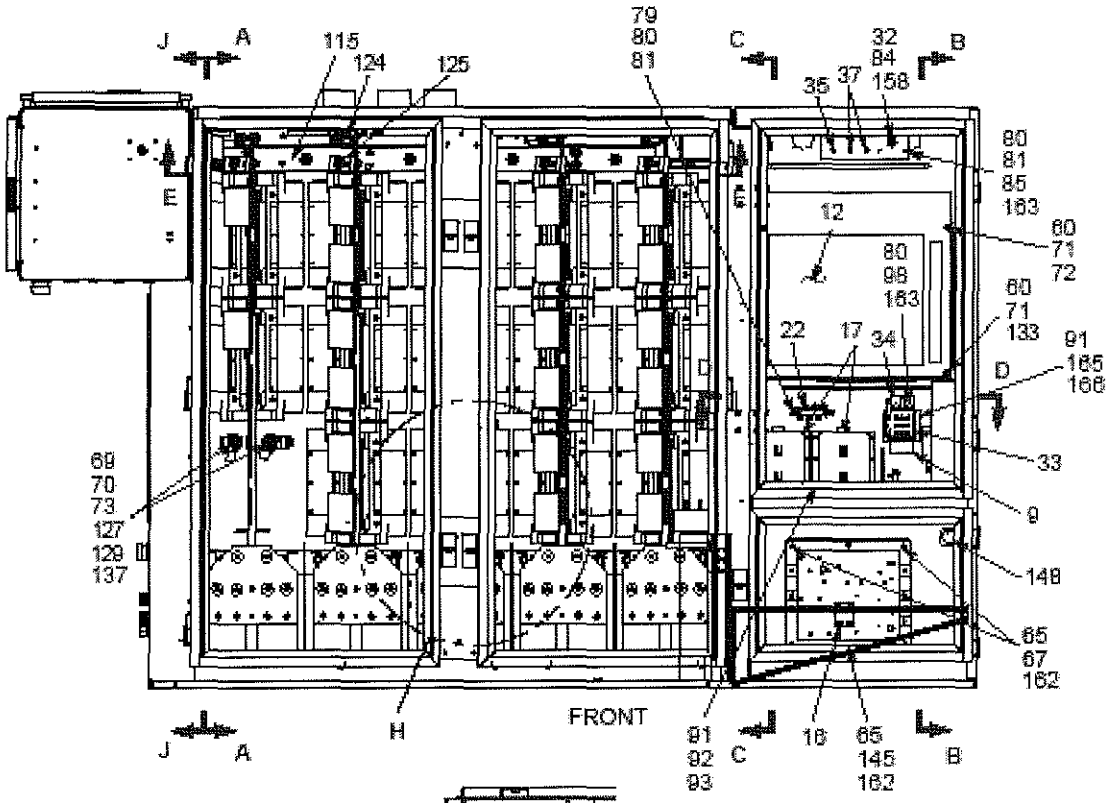


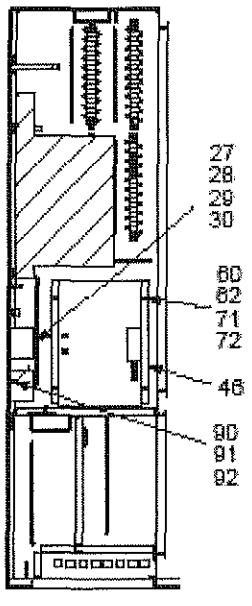
(REPRESENTATIVE ILLUSTRATION)

Item	P/N	Part Description	Qty.	Kits
001		Not Used		
002	2000366	Brush, Carbon	6	
003	911415	Support (With Insulated Stud and Key)	6	
004	911355	Holder, Brush	6	
005	911412	Lever, Brush Holder	6	
006	911413	Spring	6	
007	700810	Washer, Pressure Arm, (Brass, 11/16 inch OD)	6	
008	900608	Pin, Brush Holder (Spring Dowel, 1/4 inch Dia, 1 3/8 inch Long)	6	
009	2002923	Capscrew W/Washer (SL Hx Hd, 1/4 - 20, 1/2 inch Long)	6	
010	10535	Capscrew, Hex, 5/16-18NC X 1-1/4 Inch Long, Gr 5, Hhcs, ZP	6	
011	10125	Nut, Hex, 5/16 -18NC, Steel, Gr 2, ZP	6	
012	2004843	Cable Assembly	1	
013	2004844	Cable Assembly	1	
014	2002882	Cable Markeer (Marked F1)	1	
015	2002883	Cable Marker (Marked F2)	1	
016	2003915	Washer, Concave, 1/4 inch, Spring Steel	6	
017	2003918	Bolt, SL Hex Hd, 1/4 - 20NC X 3/4 inch Long	6	
018	2003891	Cable Assembly, Speed Sensor	1	
019	2001450	Connector, Cable (0.125 to 0.250 inch Dia.)	1	
020	23177	Insulator, Shunt	3	
021	2000409	Stud, (1 inch Long)	3	
022	2000537	Cement, 8.5 oz. Tube (Loctite 242)	1	
023	913565	Flatwasher (3/8 Inch Bolt) (0.625 Inch OD, 0.435 inch ID, 0.09 inch Thick)	9	
024	915553	Flatwasher (1/2 Inch Bolt) (0.938 Inch OD, 0.562 inch ID, 0.09 inch Thick)	4	
025	2000407	Spacer (0.250 Inch Thick)	1	
026	915268	Plate, Clamping	1	
027	703015	Clamp - Terminal (0.850 Inch Thk, 3 Slots)	1	
028	10535	Capscrew, Hex, 5/16-18NC X 1-1/4 Inch Long, Gr 5, Hhcs, ZP	3	
029	10009	Capscrew, Hex, 5/16-18NC X 1-3/4 Inch Long, Gr 5, Hhcs, ZP	2	
030	10011	Capscrew, Hex, 3/8-16NC X 3/4 Inch Long, Gr 5, Hhcs, ZP	3	
031	986092	Capscrew, Hex, 3/8-16NC X 3-3/4 Inch Long	6	
032	10029	Capscrew, Hex, 1/2-13NC X 1-1/2 Inch Long, Gr 5, Hhcs, ZP	4	
033	10125	Nut, Hex, 5/16 -18NC, Steel, Gr 2, ZP	3	
034	52368	Flatwasher, 5/16 X 0.875 Inch OD, ZP	6	
035	10179	Lockwasher, 5/16 X 0.586 Inch OD, ZP	2	
036	2004845	Terminal, Main Connection	3	
037	2004846	Cable Assembly (T1)	2	
038	2004847	Cable Assembly (T2)	2	
039	2004848	Cable Assembly (T3)	2	
040	2004849	Cover, Main Connection	1	
041	2003449	Speed Sensor, (Engine Speed) (Magnetic Pickup)	1	
042	2004850	Hub	1	
043	2002423	Pin - Dowel	2	
044	2002071	Adapter, Coupler	1	
045	2004853	Stator Assembly	1	
046	2004852	Stator Rewind Kit	1	
047	2004855	Stator Frame and Core Assembly	1	
048	2003905	Connection Strap, Insulated	1	
049	2003893	Bracket, Insulated	7	
050	2003892	Bracket, Insulated	7	
051	10027	Capscrew, Hex, 1/2-13NC X 1 Inch Long, Gr 5, Hhcs, ZP	28	
052	915553	Flatwasher (1/2 Inch Bolt) (0.938 Inch OD, 0.562 inch ID, 0.09 inch Thick)	28	
053	915152	Lead, Tertiary (Cable Assembly, 11-1/4 Inch Long)	2	

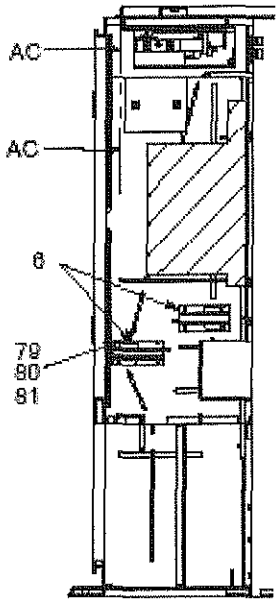
Item	P/N	Part Description	Qty. Kits
054	2004338	Brazing Strip (3/8 X 1-1/2 Inch, 0.005 inch Thick)	3
055	2004856	Connecting Strap, Insulated	1
056	915542	Insulator w/Stud	2
057	10126	Nut, Hex, 3/8 - 16NC Stl Gr 5, ZP	2
058	2004857	Cover	1
059	2003888	Insulation Pad (5 Inch Long)	1
060	2000409	Stud, (1 inch Long)	2
061	10011	Capscrew, Hex, 3/8-16NC X 3/4 Inch Long, Gr 5, Hhcs, ZP	4
062	10180	Lockwasher, 3/8 X 0.683 Inch OD, ZP	6
063	2000410	Grommet (Synthetic Rubber, 1/2 Inch ID)	4
064	2004858	Cable Marker (Marked T19)	1
065	2004859	Cable Marker (Marked T20)	1
066	1008869	Washer, 3/8 Inch	2
067	2004860	Front Plate	1
068	2004861	Rotor Assembly	1
069	2001403	Core, Rotor without Shaft	1
070	2004862	Shaft, Rotor	1
071	2004079	Rotor Coil with Pole Piece	8
072	2001401	Coil Brace	8
073	2000829	Strip (Slipper, 44 Inch Long, 0.010 Inch Thick, Spring Steel)	32
074	2002250	Collector Ring Assembly	1
075	700792	Strap (Connection, 7.20 Inch Long)	7
076	2003899	Tie Ring	1
077	2003883	Glass Tape, 0.015 Inch Thick, 1 inch Wide	1
078	700815	Fastening (Clamp, Support)	4
079	2004863	Ball Bearing	1
080	2004864	Bearing Housing, 13-3/4 Inch OD	1
081	2004865	Bearing Cap, 10-3/4 Inch OD	1
082	2004866	Flinger, 6-9/16 Inch OD	1
083	2004867	Sleeve, 5-3/8 Inch OD	1
084	2004868	Seal	1
085	2000408	Gasket (0.031 inch Thick)	1
086	2004869	Capscrew, Hex, 5/8-11NC X 3-1/4 Inch Long, Gr 5, Hhcs, ZP	6
087	2004454	Flatwasher, Hardened, Special, (5/8 X 1 Inch OD)	6
088	2004870	Hub, 5-3/16 Inch OD	1
089	2003877	Brazing Strip, 1 Inch X 1 Inch Long	16
090	700309	Weight, Balance (10-1/2 Inch OD, 3/4 Inch Wide)	1
091	700799	Weight - Balancing (1-1/2 Inch Wide, 3/4 Inch Thick)	1
092	2003878	End Plate	1
093	2004871	Lubriplate (Tube)	1
094	2004872	Impeller	1
095	2004873	Framehead	1
096	2004511	Housing - Air Inlet	1
097	2004512	Housing- Air Outlet	1
098	700781	Capscrew, Hex Head, 5/8-18NF X 2-1/4 Inch Long, (Adapter Mounting)	15
099	10015	Capscrew, Hex, 3/8-16NC X 1-3/4 Inch Long, Gr 5, Hhcs, ZP	44
100	17744	Capscrew, Hex, 1/2-13NC X 1-1/2 Inch Long, Gr 8, Hhcs, ZP	8
101	10040	Capscrew, Hex, 1/2-13NC X 4-1/2 Inch Long, Gr 5, Hhcs, ZP	12
102	10046	Capscrew, Hx Hd, 5/8-11NC X 1-3/4 Inch Long, GR 5, Zp	6
103	10048	Capscrew, Hx Hd, 5/8-11NC X 2-1/4 Inch Long, GR 5, Zp	6
104	913565	Flatwasher (3/8 Inch Bolt) (0.625 Inch OD, 0.435 inch ID, 0.09 inch Thick)	65
105	915553	Flatwasher (1/2 Inch Bolt) (0.938 Inch OD, 0.562 inch ID, 0.09 inch Thick)	20
106	2004454	Flatwasher, Hardened, Special, (5/8 X 1 Inch OD)	21

Item	P/N	Part Description	Qty. Kits
107	2003366	Flatwasher, (0.725 Inch ID, 2 Inch OD)	6
108	10126	Nut, Hex, 3/8 -16NC, Steel, Gr 5, ZP	21
109	2004874	Pin, Spring Dowel, 1/2 X 1-3/8 Inch Long	21
110	10335	Pipe Plug, 1 NPT, 150 psi, MI. SQ HD	1
111	913476	Sealer, RTV 10.3 oz. Tube (SILMATE 1473)	1
112	2003993	Nut, Hex, 3/8-16NC, Self-Locking	6
113	2004875	Cover, 7-17/32 Inch Long	1
114	2004876	Front Plate with Two Hole	1
115	2004877	Cover Assembly	2
116	2004878	Gasket	2
117	913836	Latch - Comm. Cover	2
118	2003391	Adhesive	1
119	10011	Capscrew, Hex, 3/8-16NC X 3/4 Inch Long, Gr 5, Hhcs, ZP	12
120	10012	Capscrew, Hex, 3/8-16NC X 1 Inch Long, Gr 5, Hhcs, ZP	6
121	1008869	Washer, 3/8 Inch	12
122	10180	Lockwasher, 3/8 X 0.683 Inch OD, ZP	12

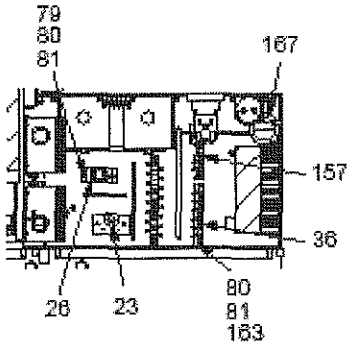




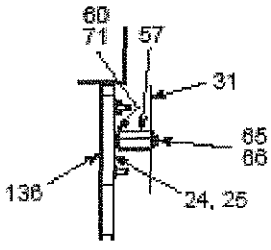
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SECTION C–C

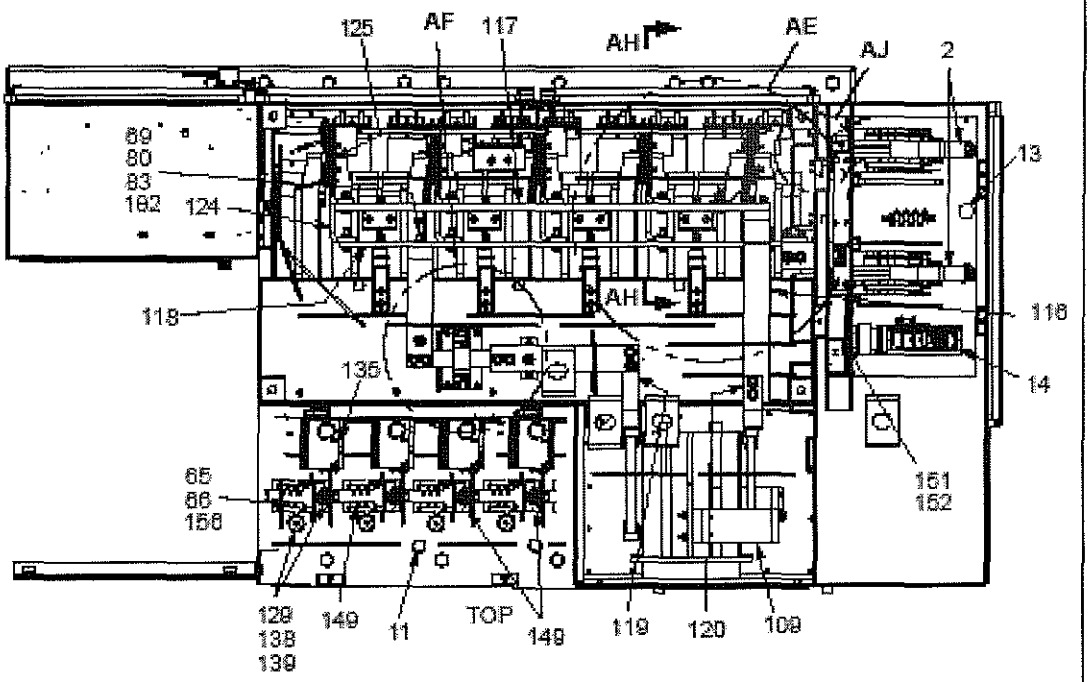


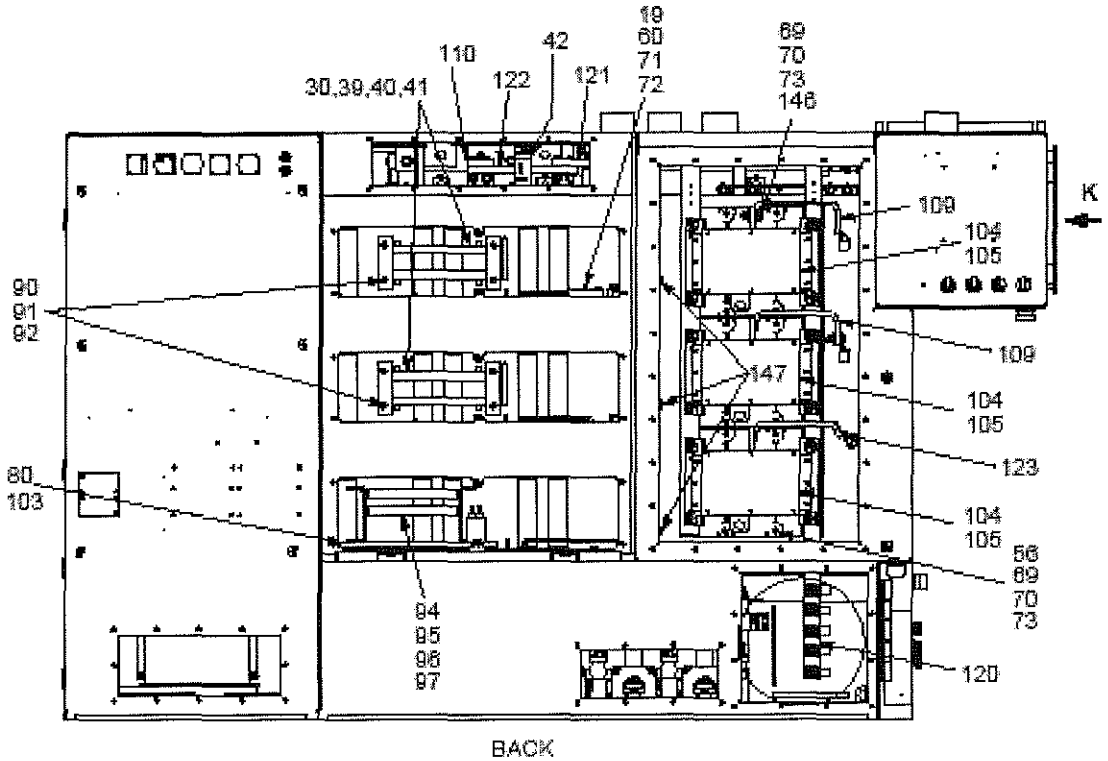
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SECTION AC–AC

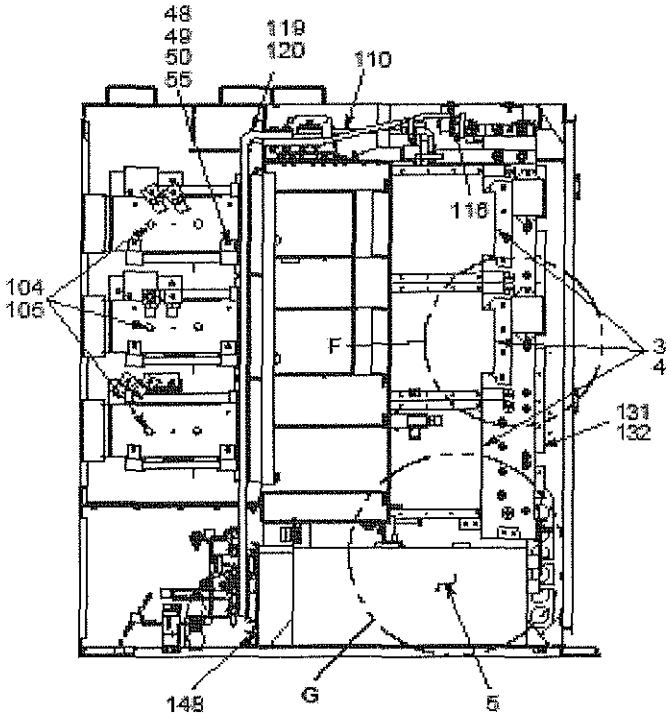
TEREX | UNIT RIG **SERVICE PARTS**	CONTROL/POWER GROUP	85789G	
		02/08/2008	SHEET 1 OF 10



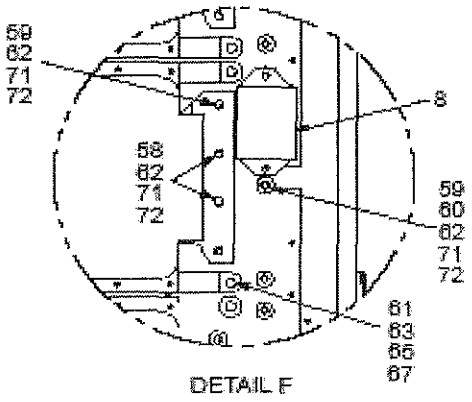


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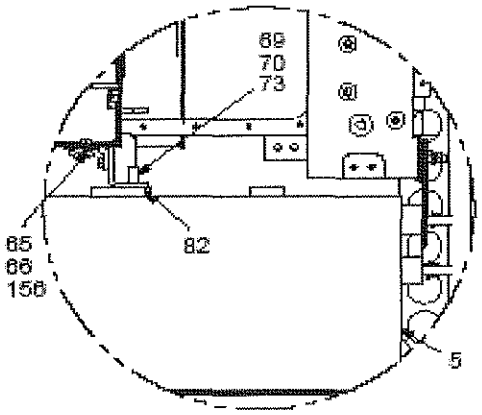
TEREX | UNIT RIG **SERVICE PARTS**	CONTROL/POWER GROUP	85789G	
		02/08/2008	SHEET 2 OF 10



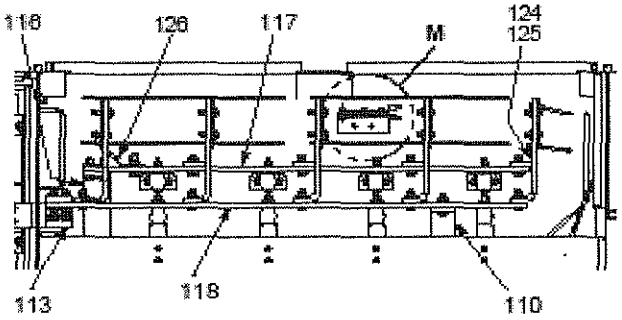
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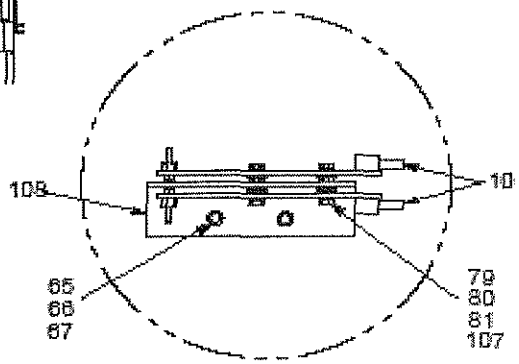
DETAIL F



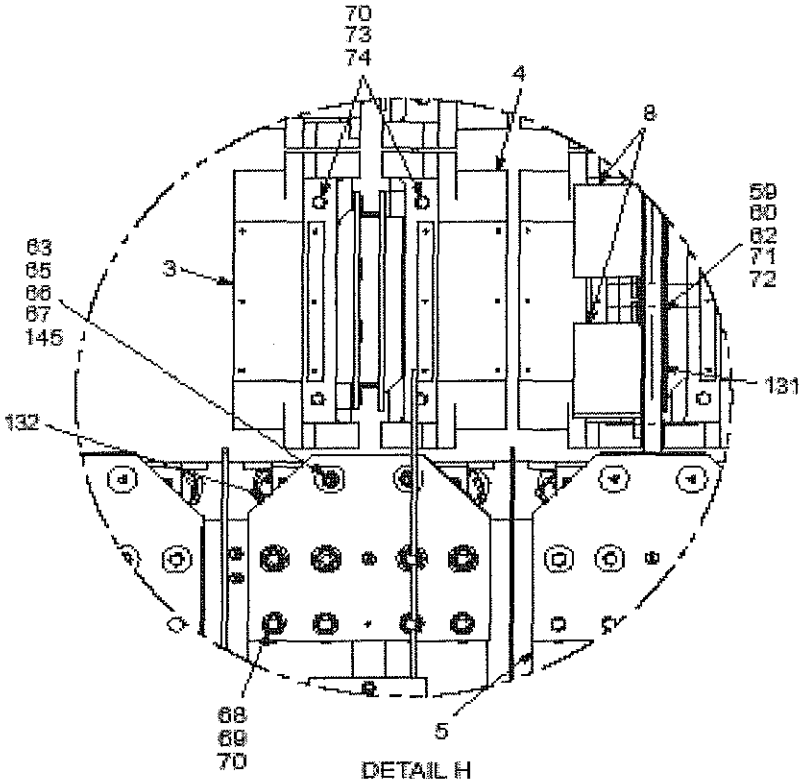
DETAIL G



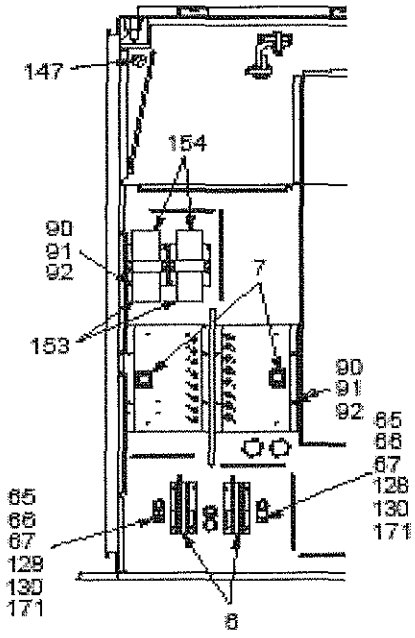
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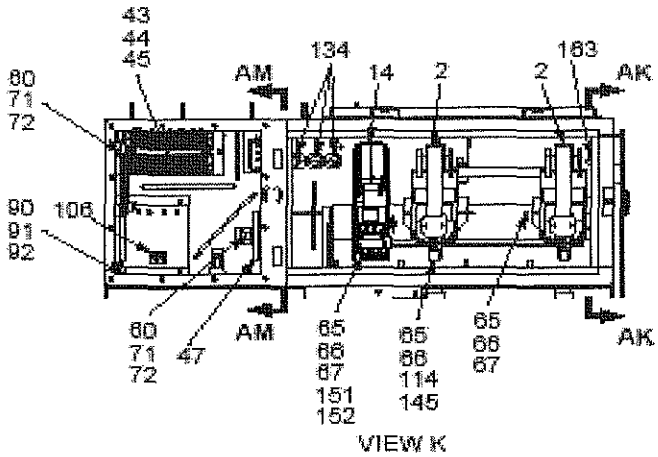
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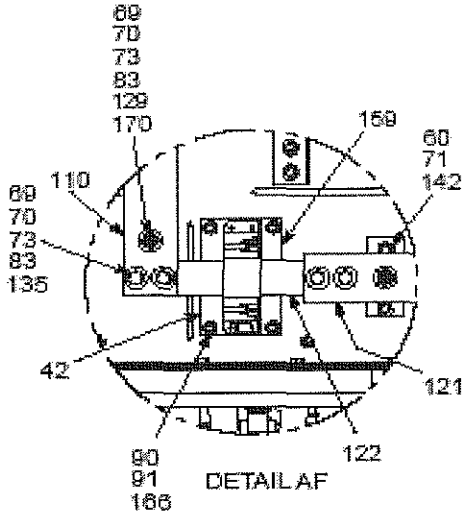
DETAIL H



SECTION J–J

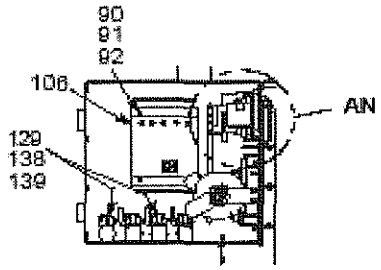


VIEW K

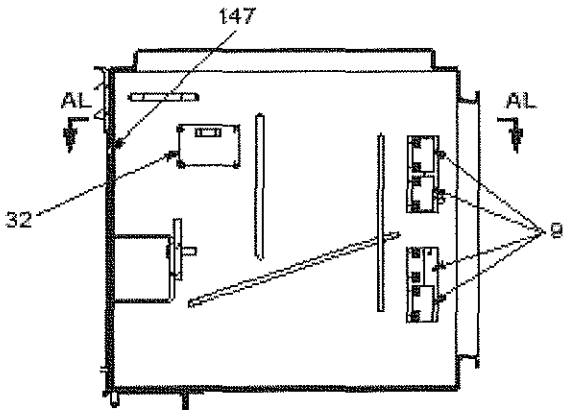


DETAIL AF

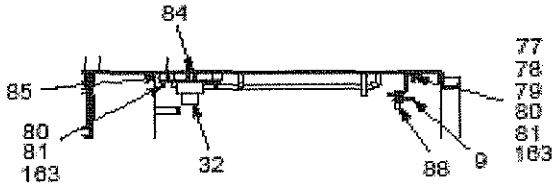
TEREX | UNIT RIG **SERVICE PARTS**	CONTROL/POWER GROUP	85789G 02/08/2008 | SHEET 4 OF 10



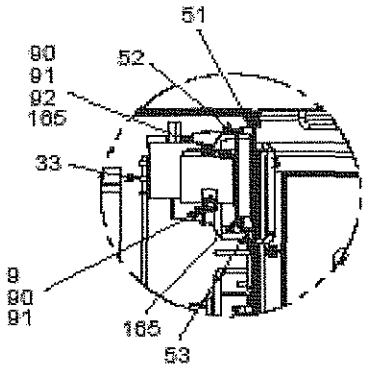
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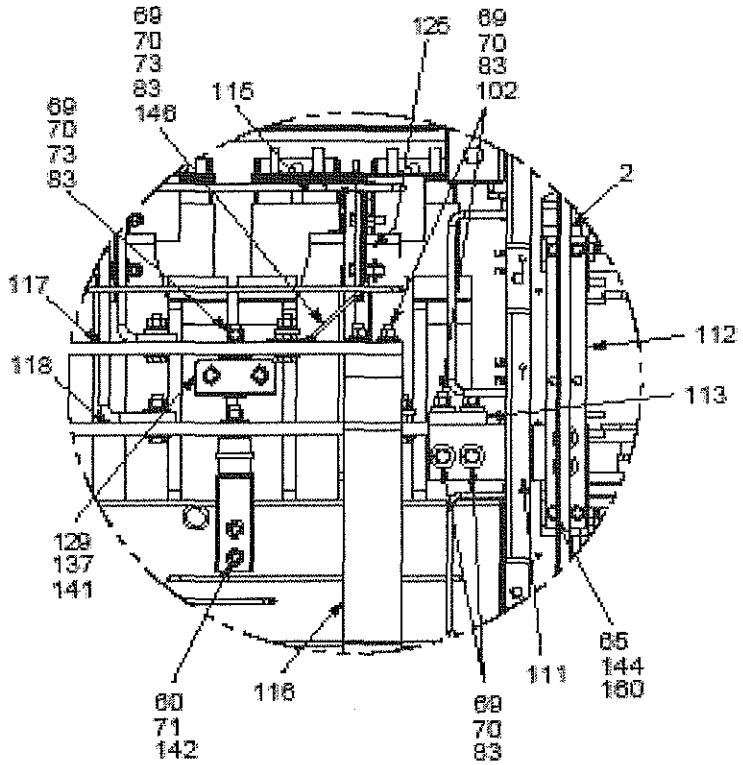
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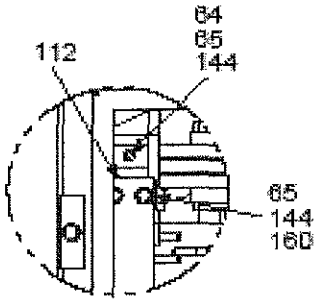
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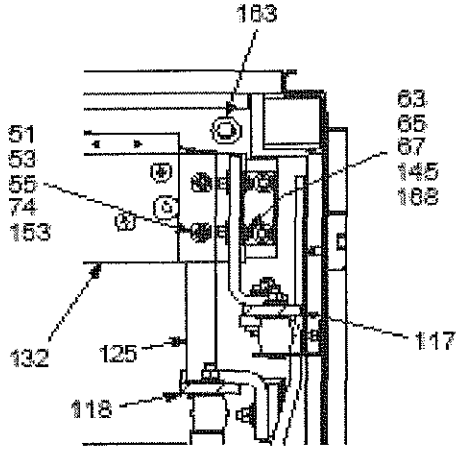
DETAIL AN



DETAIL AE



DETAIL AJ



SECTION AH–AH

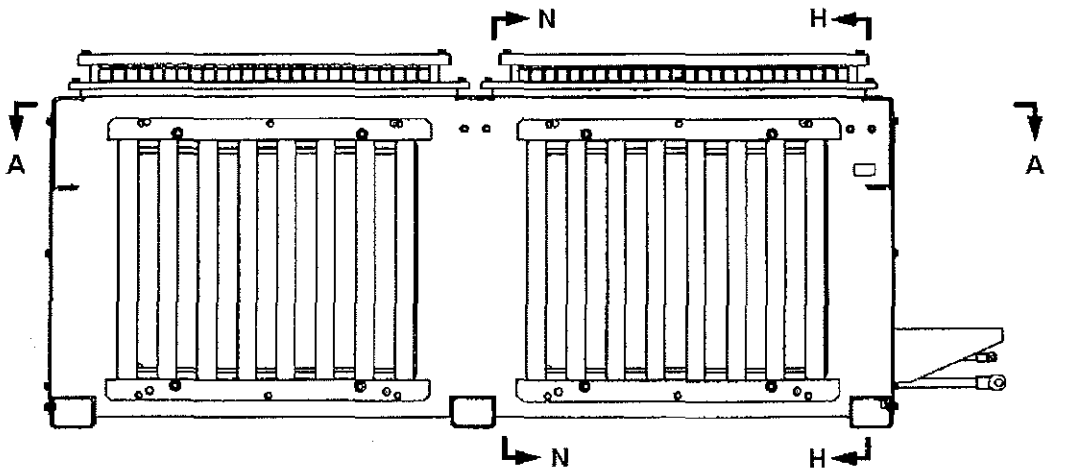
TEREX | UNIT RIG SERVICE PARTS	CONTROL/POWER GROUP	85789G	
		02/08/2008	SHEET 6 OF 10

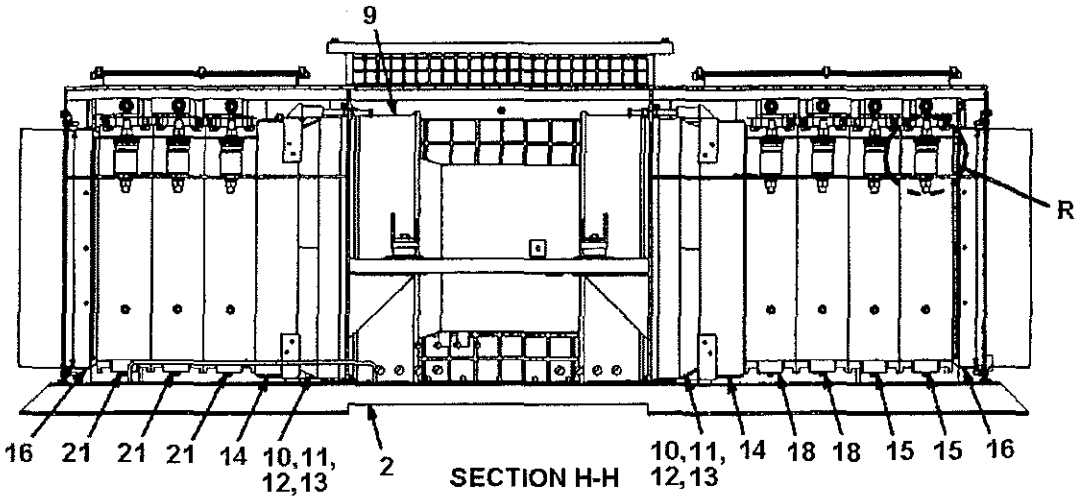
ITEM	P/N	Part Description	Qty	Kits
001		Control/Power Group	1	
002	2003458	Contactor (RP) (*See Service Part Drawing*)	2	
003	2003603	IGBT Panel, POS (RU) (17FM796A1)	14	
004	2003604	IGBT Panel, NEG (RU) (17FM797A1)	14	
005	2003788	Capacitor, IGBT Inverter	10	
006	2003447	Sensor, AC-DC Current	16	
007	2006973	Panel Assembly (VAM) (17FM702A2)	2	
008	2007036	Fuse, IGBT Switch Assembly	26	
008	2003790	Fuse, IGBT Switch Assembly (Pair of 2007036)	13	
009	2004505	Contactor Coil Suppression	6	
010	2005679	Resistor	2	
011	2005679	Plug	8	
012	2005194	Panel, Control, With Cards (17FL386A1) (*See Service Parts Drawing*)	1	
013		Hole Seal, Oil Tight	1	
014	51933	Contactor with Interlock (GF) (*See Service Part Drawing*)	1	
015	916124	. Interlock (*See Service Parts*)	1	
016	52734	. Contactor without Interlock	1	
017	2003791	Power Converter, IGBT Gate Driver (LRU)	2	
018	2003467	Panel, Exciter, Alternator Field (17FM689A1) (*See Service Parts Drawing*)	1	
019	916164	Temperature Panel - Air Duct	1	
020	915428	. Terminal Block	1	
021	916180	. Thermistor Sensor - 100,000 Ohm	1	
022	2005680	. Terminal Board	2	
023	2005640	Pressure Sensor, Barometer (BPT) (0-15 psia)	1	
024	2003796	Fuse Panel	1	
025	2003462	. Fuse, Battery (Replacement)	1	
026	2003799	Diode Assembly	1	
027	2003800	Capacitor Assembly	1	
028	2003801	. Capacitor, 120,000 UFD, 75 V	1	
029	2005025	. Clamp - Capacitor	1	
030	2003802	. Support, Capacitor	1	
031	2005681	Shield	1	
032	2003803	Printed Wire Board	2	
033	16831	Relay (17LV66J46) (*See Service Parts Drawing*)	2	
034	2003804	Module	1	
035	2003805	Toggle Switch, 3 amp, 250 V	1	
036	2005035	Resistor Panel	1	
037	2003807	Toggle Switch, Two Position	2	
038	2003808	Resistor Assembly (17FR402A1)	2	
039	2003809	. Resistor, 375 Ohm, 225 Watt	16	
040	2000906	. Bushing	32	
041	2003810	. Connection Strip, 2 3/4 Inch Long	12	
042	2003448	Sensor, AC-DC Current Module	1	
043	2003812	Resistor Panel (17FR102A1)	1	
044	913166	Resistor	2	
045	2003813	Contact Clip Assembly	2	
046	2003456	Power Supply	1	
047	29481	Resistor Thyrite	1	
048	25912	Flatwasher, 5/8 Inch	12	
049	10183	Lockwasher, 5/8 Inch	12	
050	10128	Nut, Hex, 5/8-11NC	12	

ITEM	P/N	Part Description	Qty	Kits
051	24333	Shield - Electrical (Insulation, 1/16 inch thick, 3 holes)	1	
052	24334	Shield - Electrical (Insulation, 1/16 inch thick, 2 holes)	1	
053	24332	Base - Mounting	1	
054	2003854	Shield, Insulated, 5-1/4 Inch Wide, 6-1/2 Inch Long)	1	
055	2005046	Stud, 5/8-11 X 16-1/4 inch long	12	
056		Capscrew, Hex, 1/2-13NC X 3-1/4 inch long	12	
057	2005682	Insulator, 2 Inches Long	2	
058	17456	Capscrew, Hex, 5/16-18NC X 2-3/4 inch long	0	
059	52078	Capscrew, Hex, 5/16-18NC X 2-1/2 inch long	0	
060	2003871	Washer, 5/16 Inch	0	
061	25601	Capscrew, Hex, 3/8-16NC X 5-1/2 inch long	2	
062	2003817	Washer, 11/16	0	
063	701024	Flatwasher (0.44 Inch ID, 1.198 inch OD, 1.25 inch thick)	0	
064	10015	Capscrew, Hex, 3/8-16NC X 1-3/4 inch long	0	
065	10180	Lockwasher, 3/8 inch ID X 0.683 ID	0	
066	1008869	Washer, 3/8 inch	0	
067	10126	Nut, Hex, 3/8-16NC	0	
068	22465	Flatwasher, 1/2 inch ID, ZP (Narrow - 1.062 inch OD)	0	
069	10182	Lockwasher, 1/2 X 0.873 inch OD)	0	
070	10127	Nut, Hex, 1/2-13NC	0	
071	10179	Lockwasher, 5/16	0	
072	52353	Nut, Hex, 5/16-18NC	0	
073	1008870	Flatwasher, 1/2 Inch Narrow	0	
074	2003818	Stud, 1/2-13 X 12-3/4 inch Long	60	
075	2003819	Washer, 2 Holes, 1-3/4 Inch	1	
076	10029	Capscrew, Hex, 1/2-13NC X 1-1/2 inch long	0	
077	2005049	Support with Screw - 7/8 inch long	2	
078	2005048	Support with Screw - 5/8 inch long	2	
079	2003820	Washer, #10	0	
080	28537	Lockwasher, #10	0	
081	12867	Nut - Hex,10-32	0	
082	2005683	Plate Assembly	10	
083	903336	Flatwasher (1/2 inch Bolt)	0	
084	2005033	Lens Cap	2	
085	26276	Spacer, Ripple Transformer	8	
086	10016	Capscrew, Hex, 3/8-16NC X 2 inch Long	13	
087	10013	Capscrew, Hex, 3/8-16NC X 1-1/4 inch Long	12	
088	2003823	Screw, Slotted Hex Head, NO 10-32 X 1 inch Long	6	
089	2003824	Support	2	
090	52367	Flatwasher, 1/4 inch	0	
091	10178	Lockwasher, 1/4 inch	0	
092	52351	Nut, Hex, 1/4-20NC	0	
093	12315	Capscrew, Hex, 1/4-20NC X 1-1/4 inch Long	6	
094	2003825	Filter Panel Assembly	1	
095	701857	. Resistor Assembly	3	
096	701570	. Resistor	6	
097	915274	. Capacitor Assembly	3	
098	2003826	Screw, Slotted Hex Head, NO 10-32 X 1-5/8 inch Long	2	
099	2003827	Screw, Slotted Hex Head, NO 10-32 X 4-3/4 inch Long	2	
100	900189	Spacer, Resistor	4	
101	2003828	Insulation Washer, 13/16 inch OD	4	
102	10033	Capscrew, Hex, 1/2-13NC X 2-1/2 inch Long, ZP	6	
103	20926	Screw - Slotted Hex Head, 10-32 X 3/4 inch Long	0	

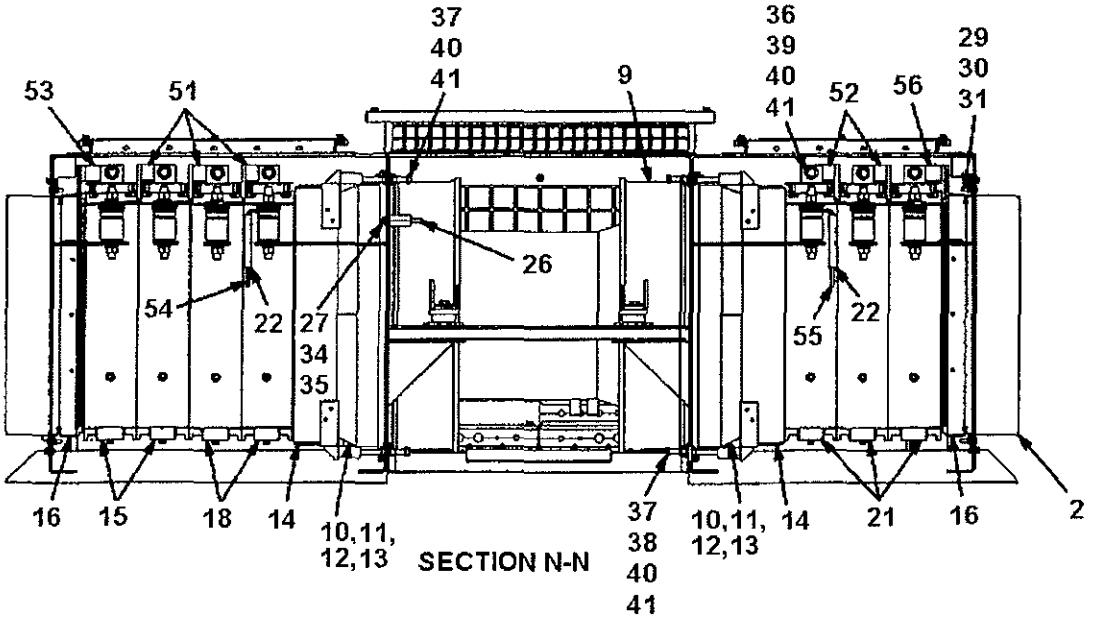
ITEM	P/N	Part Description	Qty	Kits
104	2004993	Base Assembly	3	
105	2005230	Rectifier Panel, IGBT	3	
106	2003830	Panel Assembly (VAM)	4	
107	2005684	Stud, NO. 10-32 X1-3/8 inch long	2	
108	2005685	Support, 6 inch Long	1	
109	2005688	Bus Bar, 0.50 inch Thick	2	
110	2005689	Bus Bar, 0.625 inch Thick	1	
111	2005690	Bus Bar, Insulated, 0.625 inch Thick	1	
112	2005691	Bus Bar, 15.75 inch Thick	1	
113	2005692	Bus Bar, 0.625 inch Thick	1	
114	2005693	Bus Bar, 0.50 inch Thick	2	
115	2003837	Bus Bar -Short, 8.18 inch Long	1	
116	2005695	Bus Bar, 0.625 inch Thick	1	
117	2005696	Bus Bar, 0.625 inch Thick, 51.38 inch Long	1	
118	2005697	Bus Bar, 0.625 inch Thick, 55.29 inch Long	1	
119	2005698	Bus Bar, 1 inch Thick	1	
120	2005699	Bus Bar, Insulated, 1 inch Thick	1	
121	2005700	Bus Bar, 0.625 inch Thick	1	
122	2005701	Bus Bar, 1 inch Thick 13 inch Long	1	
123	2005702	Bus Bar - Long, 12.75 Inch Long	1	
124	2003837	Bus Bar -Short, 8.18 inch Long	4	
125	2007037	Bus Bar, 0.50 inch Thick	5	
126	2007038	Bus Bar, 0.250 inch Thick	2	
127	2005704	Bus Bar, 0.375 inch Thick	2	
128	2005705	Bus Bar with Bolt (Braze In)	2	
129	23178	Insulator Shunt	26	
130		Insulator Assembly, 2 inch Long	2	
131	2003464	Bus Bar, Vertical Laminated	5	
132	2005707	Bus Bar, IGBT	5	
133	985501	Capscrew, Hex, 5/16-18NC X 3 inch Long	4	
134	2003853	Grommet, 1-17/64 inch ID, Rubber	4	
135	10034	Capscrew, Hex, 1/2-13NC X 2-3/4 inch Long	4	
136	2003854	Shield, 5-1/4 inch wide, 6-1/2 inch Long	1	
137	2003855	Stud, 1/2-13NC X 2-1/2 inch Long	12	
138	2003856	Stud, 1/2-13NC X 2-1/4 inch Long	16	
139	2003857	Cement	0	
140	2003859	Shield, 7-1/2 inch X 30.38 inch	1	
141	2005122	Bracket Assembly	4	
142	10008	Capscrew, Hex, 5/16-18NC X 1 inch Long	10	
143	10011	Capscrew, Hex, 3/8-16NC X 3/4 inch long	4	
144	2002397	Washer, 3/8 inch (Narrow)	12	
145	10014	Capscrew, Hex, 3/8-16NC X 1-1/2 inch Long	0	
146	10032	Capscrew, Hex, 1/2-13NC X 2-1/4 inch Long	0	
147	2003851	Grommet, Rubber, 7/8 inch ID	7	
148	2003852	Grommet, 1-1/2 inch ID, 2-1/8 inch OD (Rubber)	4	
149	2006460	Mounting Bracket Assembly	6	
150	2006461	Mounting Bracket Assembly	6	
151	2003821	Insulated Shield , 3-1/2 inch long	4	
152		Insulated Bolt	2	
153	2004507	Capacitor Grid Motor	2	
154	2004503	Capacitor Discharge Resistor	2	
155	2002772	Washer, 5/16 (Narrow)	4	
156	10012	Capscrew, Hex, 3/8-16NC X 1 inch Long	0	

ITEM	P/N	Part Description	Qty	Kits
157	2005231	Resistor	1	
158	2004992	Adapter	2	
159	2005708	Base Assembly	1	
160	10018	Capscrew, Hex, 3/8-16NC X 2-1/2 inch Long	4	
161	10015	Control/Power Group, IGBT	11	
162	2005001	Washer - Hardened, 3/8 inch	6	
163	2005027	Washer, #10-32 (Narrow)	0	
164	2003823	Screw, Slotted Hex Head NO. 10-32 X 1 inch Long	4	
165	2003639	Washer, 1/4 inch (Narrow)	4	
166		Capscrew, Hex, 1/4-20NC X 7/8 Inch Long	6	
167		Grommet, Rubber, 2-1/2 inch ID	1	
168	2005709	Washer, 0.406 ID	0	
169	10027	Capscrew, Hex, 1/2-13NC X 5 inch Long, Gr 5, Zp	10	
170	2002005043	Stud, 1/2 -13NC X 2-3/4 inch Long	2	
171		Stud, 3/8 -16NC X 1-11/16 inch long	2	





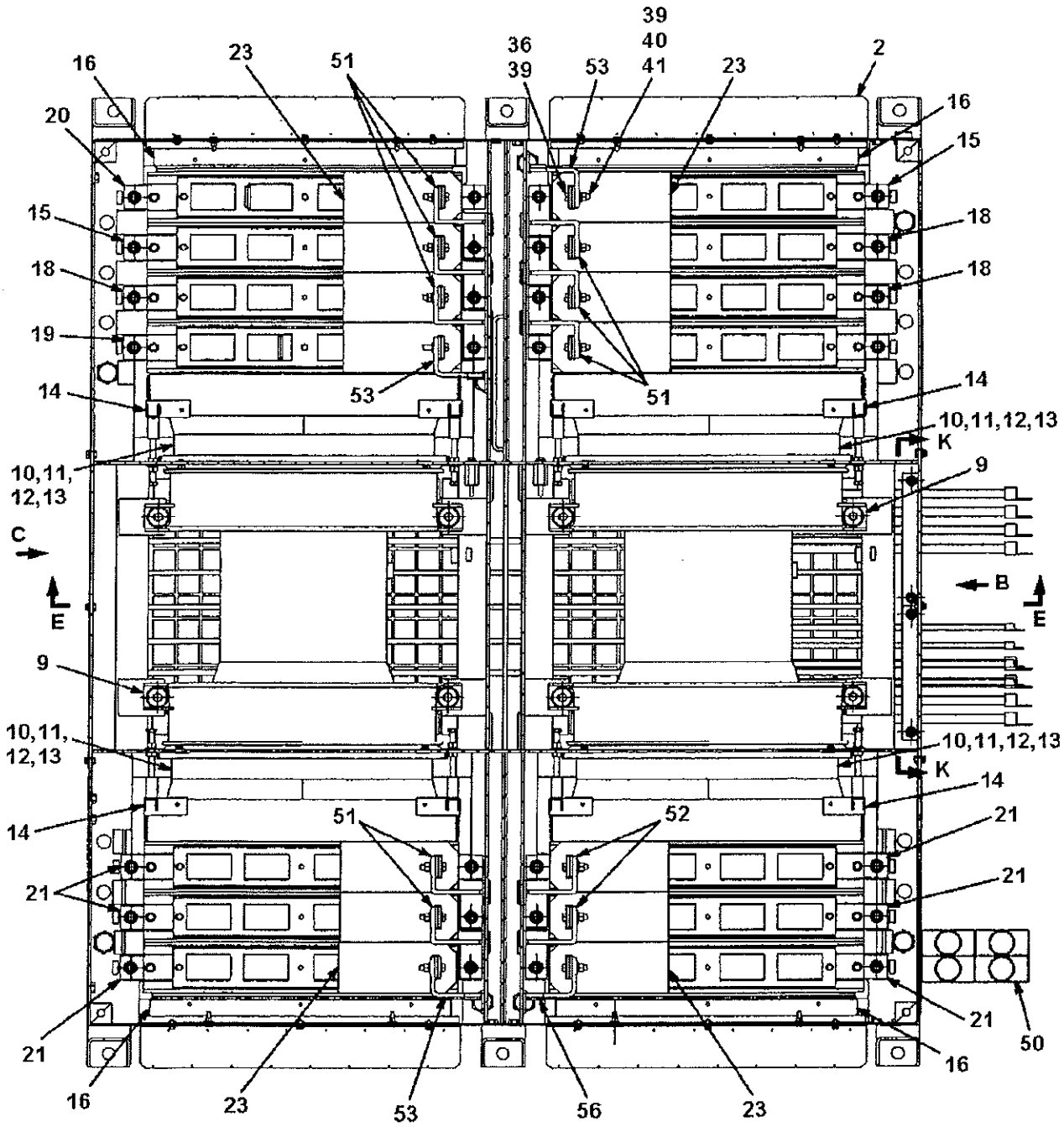
SECTION H-H



SECTION N-N

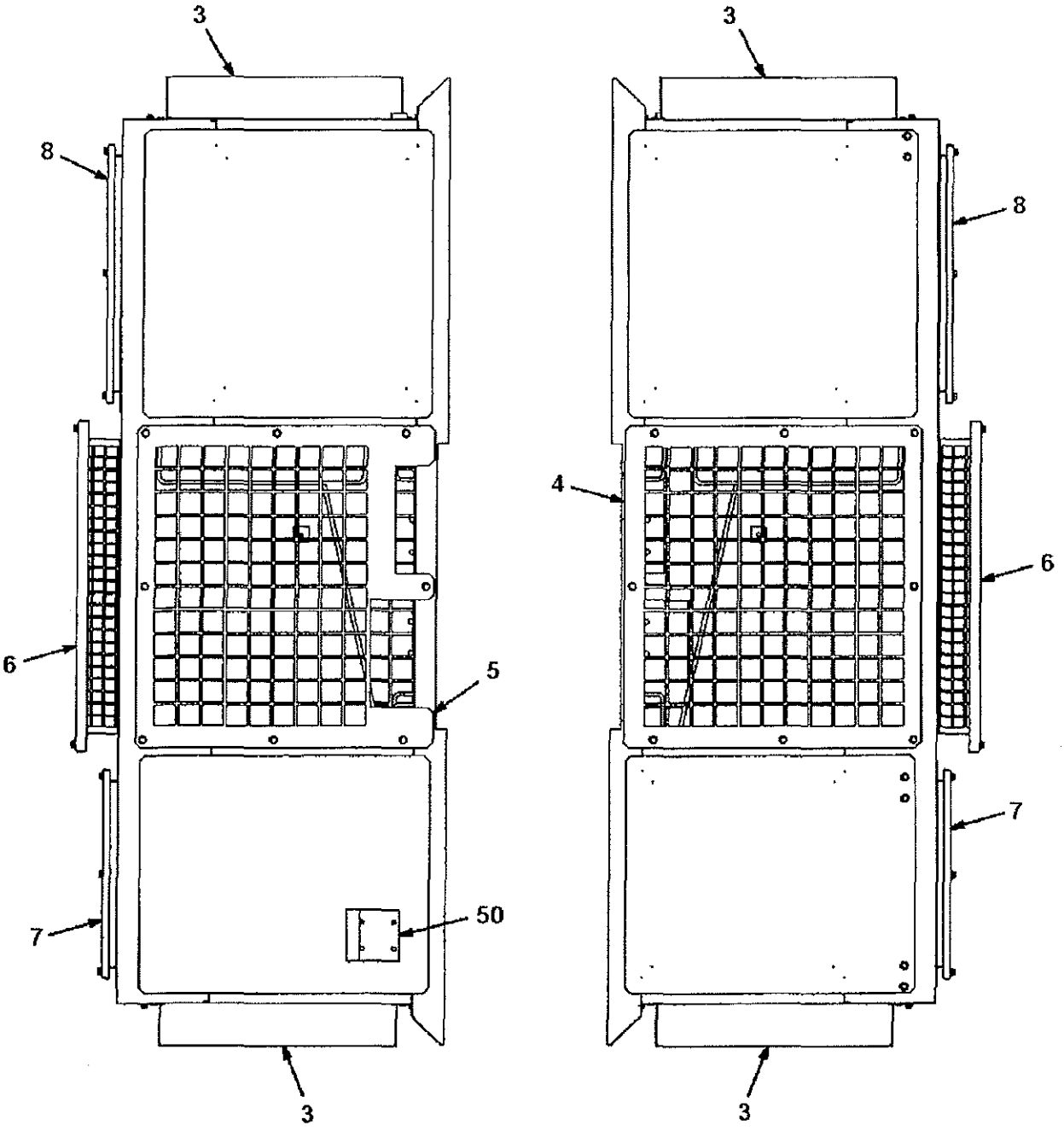
(REPRESENTATIVE ILLUSTRATION)

TEREX | UNIT RIG SERVICE PARTS	RETARDING GRID GROUP 17EM146A1	85790B 09/28/2004 SHEET 1 OF 6



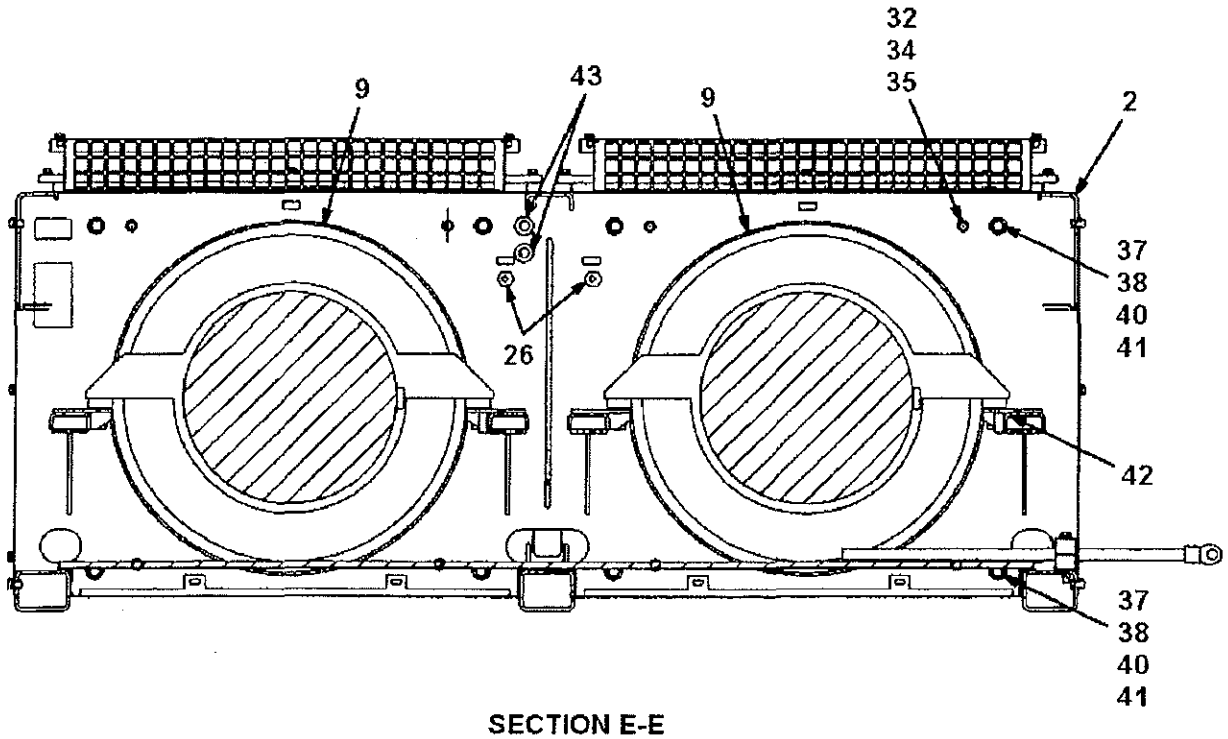
SECTION A-A

(REPRESENTATIVE ILLUSTRATION)

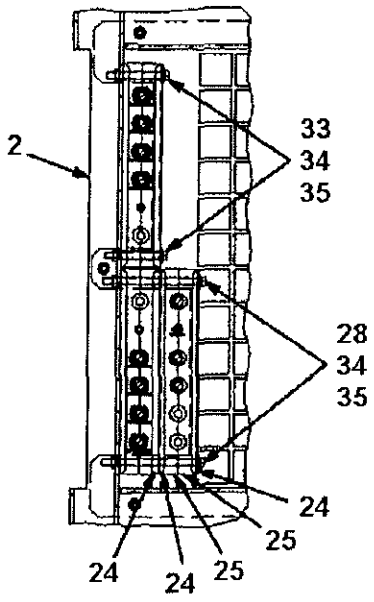


VIEW B VIEW C

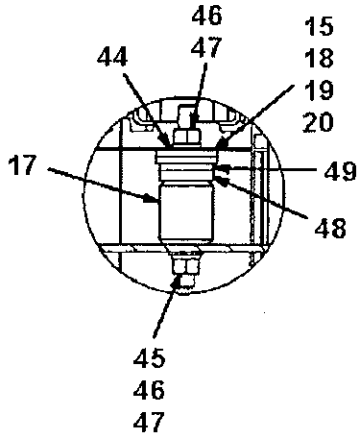
(REPRESENTATIVE ILLUSTRATION)



SECTION E-E



SECTION K-K



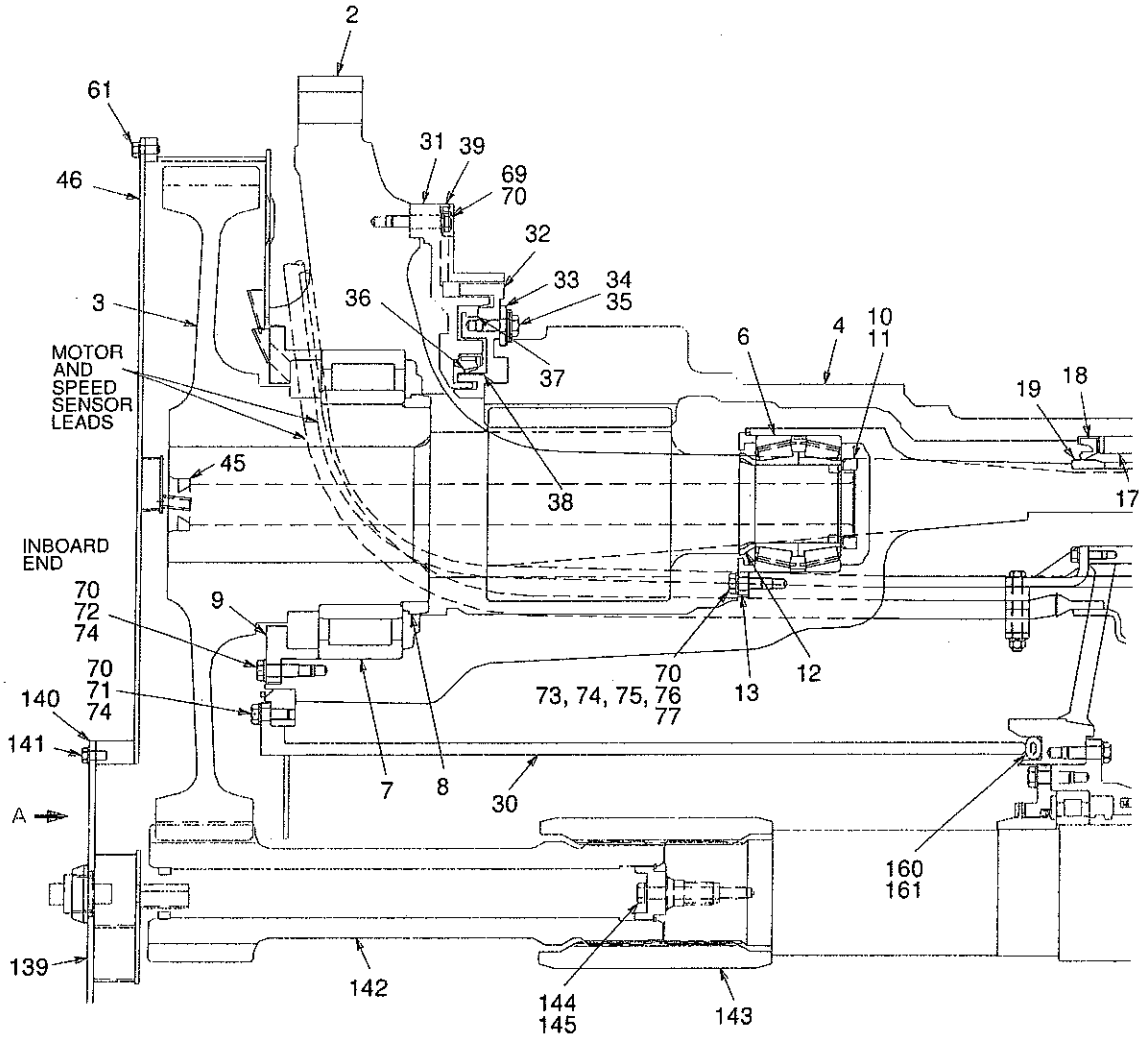
VIEW R

(REPRESENTATIVE ILLUSTRATION)

Item	P/N	Part Description	Qty.	Kits
002		Retarder	1	
003	2005077	Louver Assembly	4	
004	2005093	Cover, 28.10 Inch by 30.88 Inch	1	
005	2005094	Cover with Cutouts	1	
006	2005097	Cover Assembly	2	
007	2005095	Cover, 36.68 Inch by 20.04 Inch	2	
008	2005096	Cover, 36.68 Inch by 24.83 Inch	2	
009 *	**2003450 ***	**Blower (*See Service Part Drawing*)** 2006960	2	
010	2003453	Diffuser Assembly	4	
011	2003771	. Gasket (1/2 X 1 X 20-3/4 Inch)	2	
012	2003772	. Gasket (1/2 X 1-1/2 X 28-3/4 Inch)	2	
013	2003391	. Adhesive	AR	
014	2005078	Collar Assembly	4	
015	2005082	Resistor (17EA33D565)	3	
016	2005090	Frame Assembly	4	
017	2003770	Insulator (with 5/8 - 11NC Bolts)	28	
018	2004491	Resistor, Retard Grid (17EA33D651)	3	
019	2004492	Resistor, Retard Grid (17EA33D732)	1	
020	2004493	Resistor, Retard Grid (17EA33D945)	1	
021	2003437	Resistor, Retard Grid (17EA33D965)	6	
022	2005083	Tube, 2-1/2 Inch Long, 3/16 Inch Thick	7	
023	2005084	Connection Insulation, 11 Inch Long	14	
024	2005086	Cable Clamp	6	
025	2005085	Cable Cleat	6	
026	2003777	Insulator Assembly	2	
027	10011	Capscrew, Hex, 3/8-16NC X 3/4 Long, Gr. 5	2	
028	52085	Capscrew, Hex, 3/8-16NC	2	
029	52353	Nut, Hex, 5/16-18NC	AR	
030	10179	Lockwasher, Helical, 5/16 X 0.586 OD	AR	
031	52368	Flatwasher, 5/16 X 0.875 OD, ZP	AR	
032	10012	Capscrew, Hex, 3/8-16NC X 1 Inch Long, ZP	AR	
033	10021	Capscrew, Hex, 3/8-16NC X3-1/2 Inch Long, Gr. 5, HHCS, ZP	2	
034	10180	Lockwasher, 3/8 X 0.683 OD	AR	
035	1008869	Washer	AR	
036	10031	Capscrew, Hex, 1/2-13NC X 2 Inch Long, Gr. 5, HHCS, Z	AR	
037	20003	Capscrew, Hex, 1/2-13NC X 6-1/2 Inch Long	AR	
038	1008870	Flatwasher 1/2 Inch (Narrow)	AR	
039	2003781	Washer, 17/32 ID X 1-1/4 Inch OD	AR	
040	10182	Lockwasher, 1/2 X 0.873 OD	AR	
041	10127	Nut, Hex, 1/2-13NC, Stl, Gr. 5	AR	
042	22465	Flatwasher, 1/2 X 1.062 OD, ZP	AR	
043		Grommet, 3/4 Inch ID, 1/2 Inch Thick	2	
044	2003782	Washer, 21/32 ID X 2 OD	AR	
045	26205	Flatwasher, 5/8 X 1.312 Inch OD, ZP	AR	
046	10183	Lockwasher, helical, 5/8 X 1.079 OD	AR	
047	10128	Nut, Hex, 5/8-11NC, Stl, Gr. 5	AR	
048	10138	Nut, Hex, Jam, 5/8-11NC, Stl, Gr. 2, ZP	AR	
049	2003778	Spacer	AR	
050	2005087	Step Kit	1	
051	2003775	Bus Bar	8	
052	2003774	Bus Bar	2	
053	2005092	Bus Bar	3	

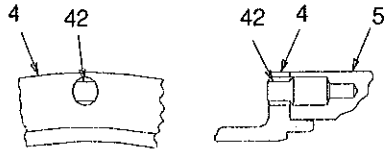
*** SEE SERVICE PARTS DRAWING**

Item	P/N	Part Description	Qty.	Kits
054	2005088	Bus Bar	5	
055	2005089	Bus Bar	2	
056	2005091	Bus Bar	1	

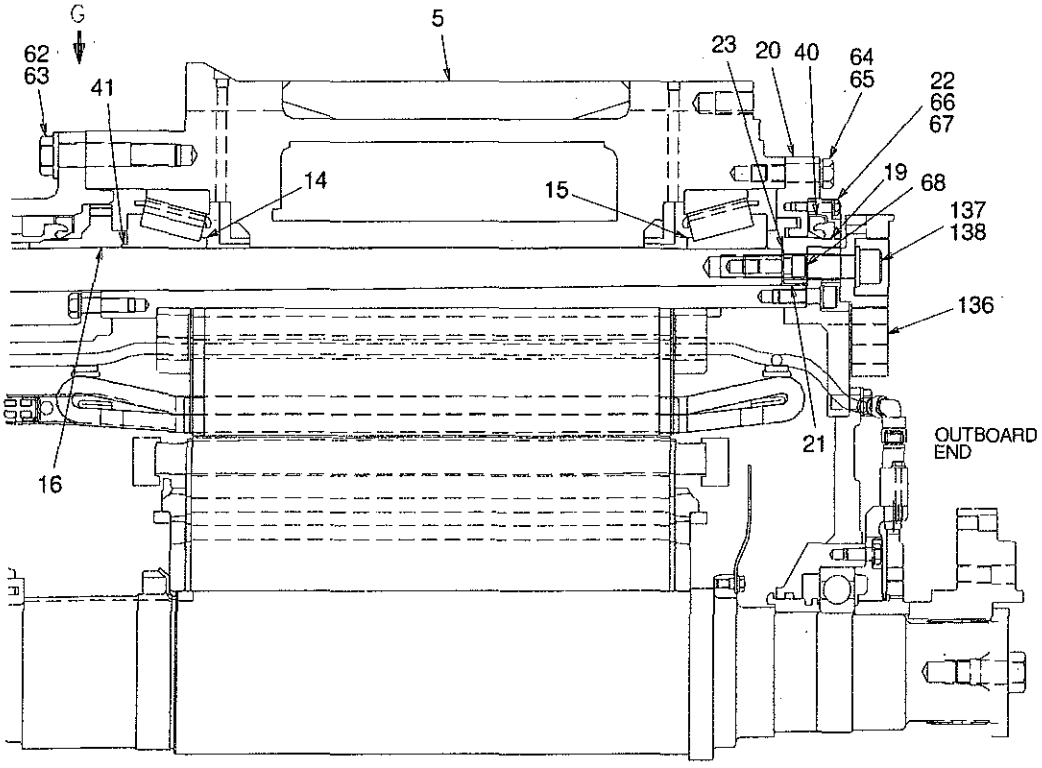


NOTE: This drawing details both the A1 and A2 configurations of this wheelmoter. The differences are denoted in the descriptions on the Bill of Materials.

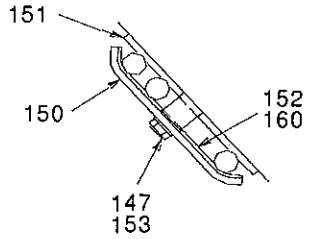
TEREX | UNIT RIG **SERVICE PARTS**	AC WHEELMOTOR	85791A 12/12/2007 | SHEET 1 OF 11



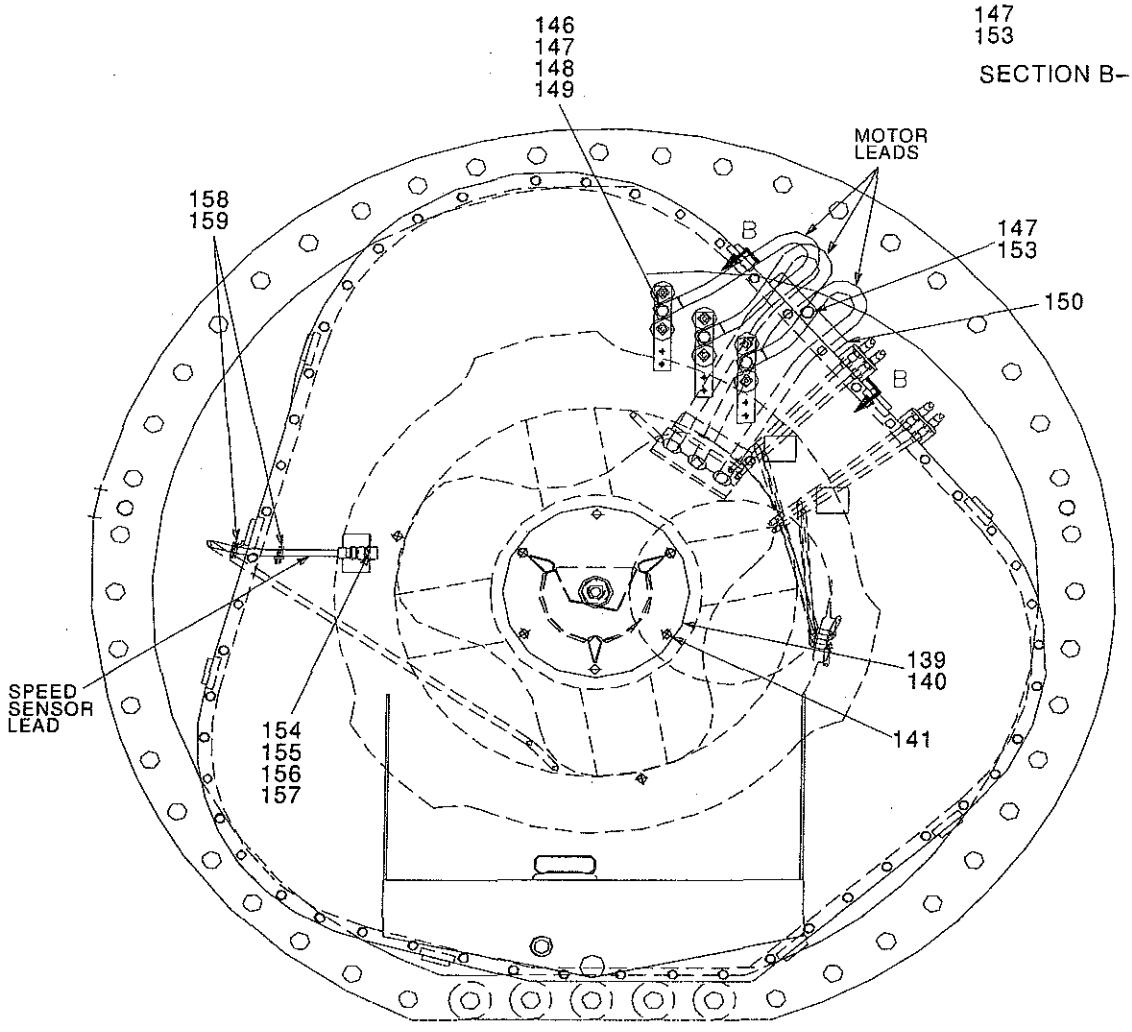
VIEW G



NOTE: This drawing details both the A1 and A2 configurations of this wheelmoter. The differences are denoted in the descriptions on the Bill of Materials.

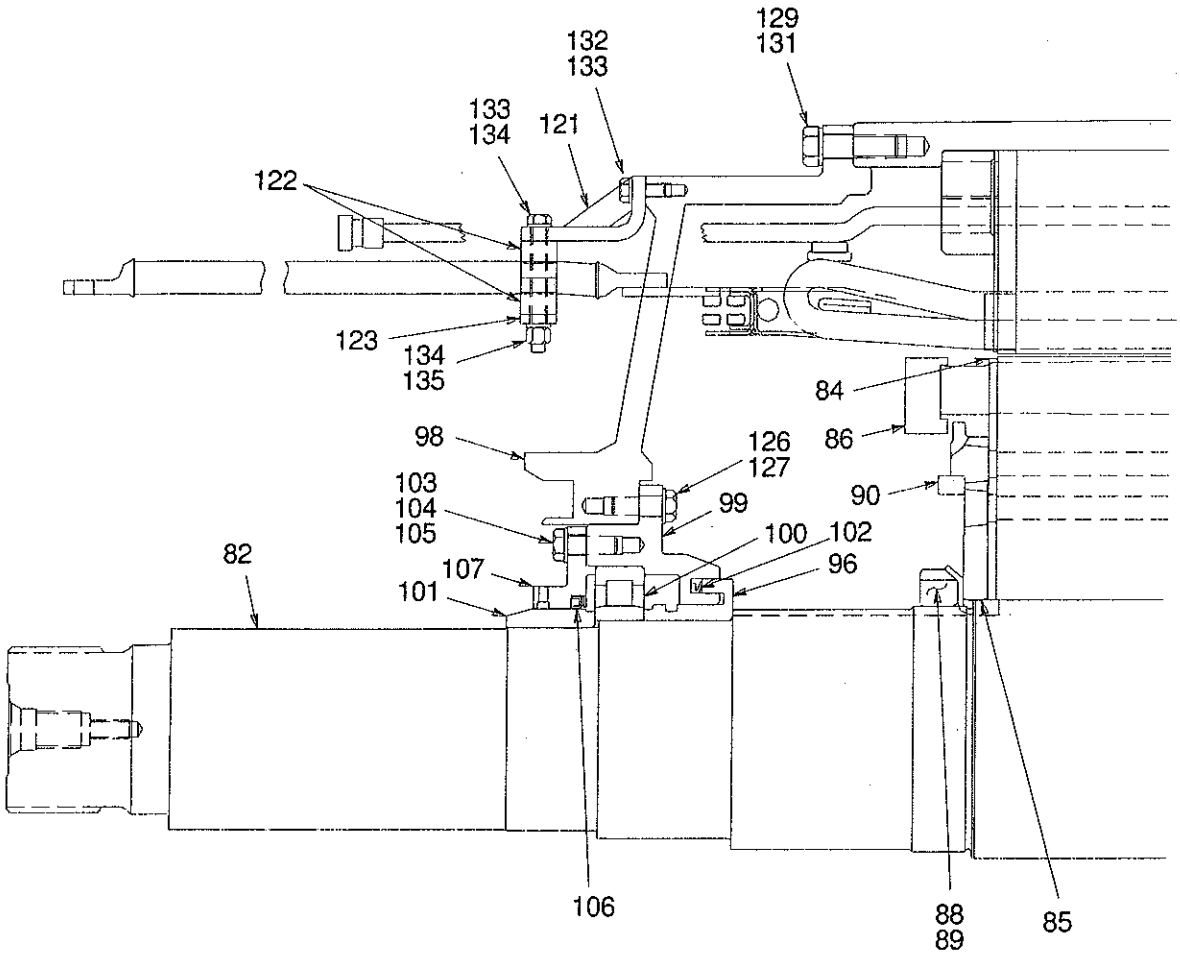


SECTION B-B



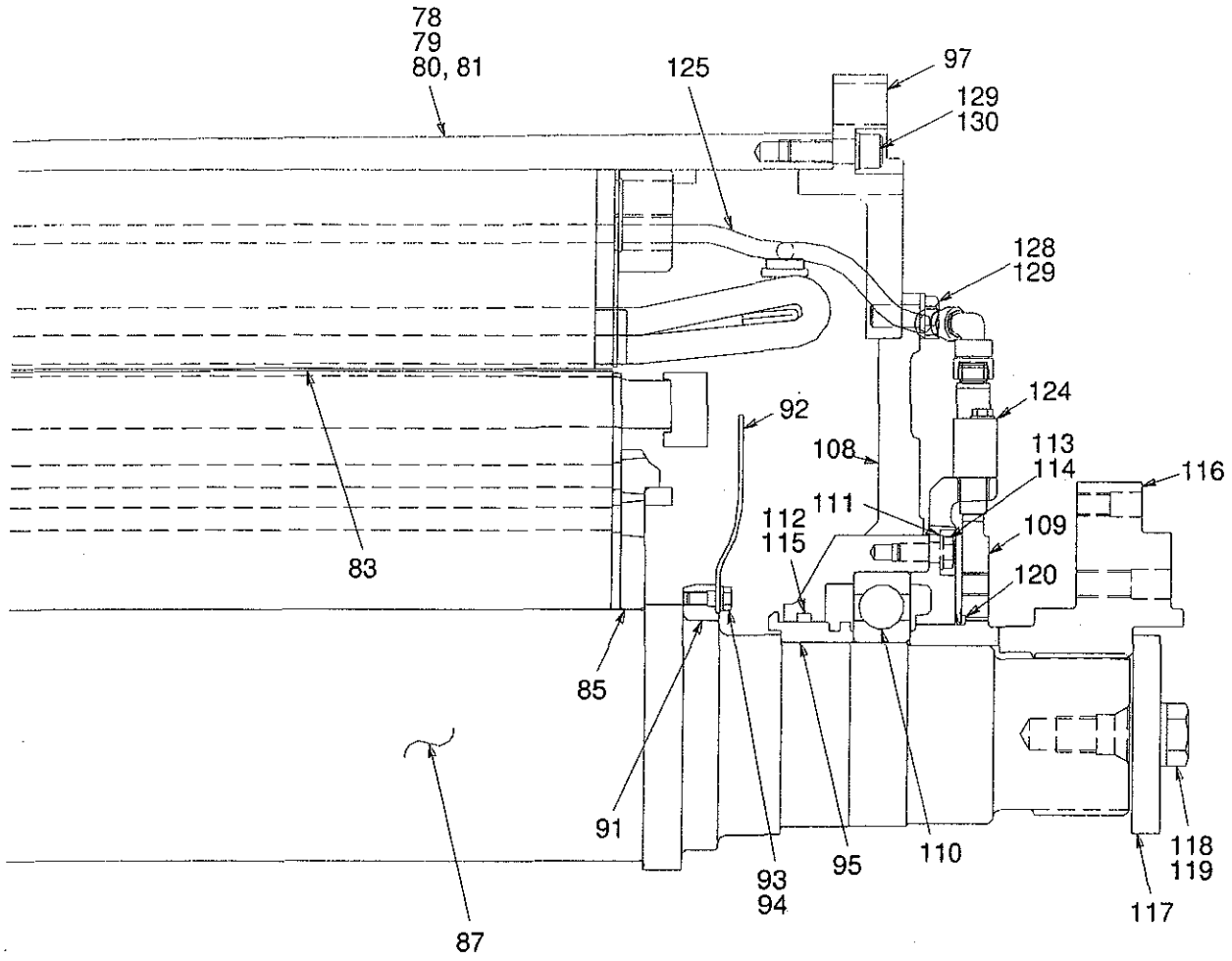
VIEW A

NOTE: This drawing details both the A1 and A2 configurations of this wheelmoter. The differences are denoted in the descriptions on the Bill of Materials.



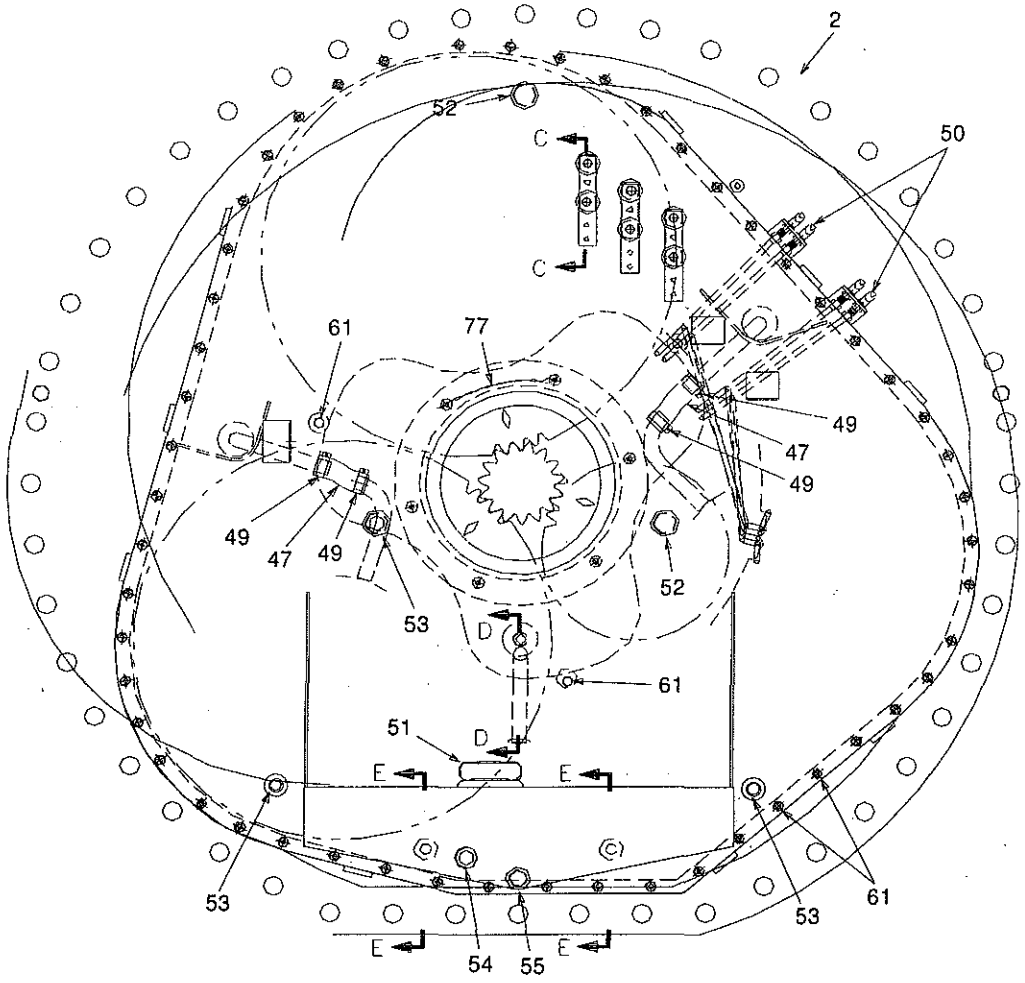
NOTE: This drawing details both the A1 and A2 configurations of this wheelmoter. The differences are denoted in the descriptions on the Bill of Materials.

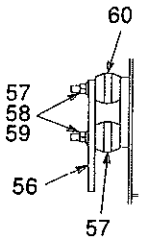
TEREX | UNIT RIG SERVICE PARTS	AC WHEELMOTOR	85791A
		12/12/2007 | SHEET 4 OF 11



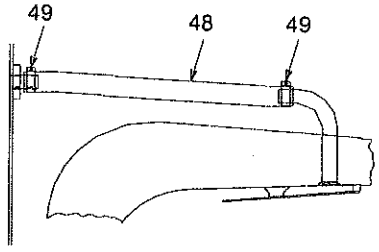
NOTE: This drawing details both the A1 and A2 configurations of this wheelmoter. The differences are denoted in the descriptions on the Bill of Materials.

TEREX | UNIT RIG **SERVICE PARTS**	AC WHEELMOTOR	85791A 12/12/2007 | SHEET 5 OF 11

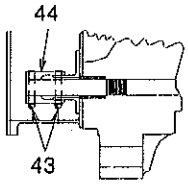




SECTION C–C



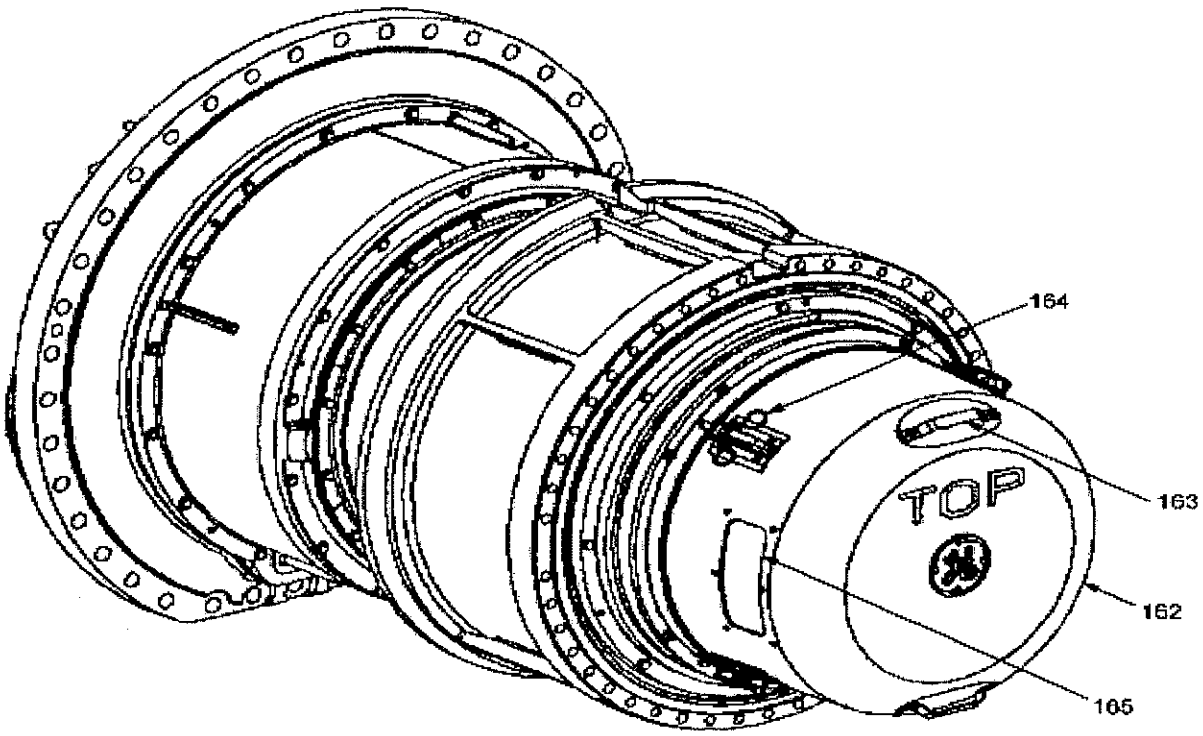
SECTION D–D



SECTION E–E

NOTE: This drawing details both the A1 and A2 configurations of this wheelmoter. The differences are denoted in the descriptions on the Bill of Materials.

TEREX | UNIT RIG **SERVICE PARTS**	AC WHEELMOTOR	85791A 12/12/2007 | SHEET 6 OF 11



NOTE: This drawing details both the A1 and A2 configurations of this wheelmoter. The differences are denoted in the descriptions on the Bill of Materials.

TEREX | UNIT RIG **SERVICE PARTS**	AC WHEELMOTOR	85791A 12/12/2007 | SHEET 7 OF 11

ITEM	P/N	Part Description	Qty	Kits
002		Frame	1	
003	2004824	Shaft, Planet Gear & Pinion	3	
004	2004825	Torque Tube	1	
005	2000344	Hub - Wheel	1	
006	914485	Bearing - Roller	3	
007	914799	Bearing - Roller	3	
008	2000343	Sleeve	3	
009	914800	Cap - Bearing	3	
010	914483	Nut - Retaining	3	
011	914484	Washer - Retaining	3	
012	2000654	Collar	3	
013	2000934	Cap, Bearing	3	
014	914473	Bearing - Inboard (Roller)	1	
015	914472	Bearing - Outboard (Roller)	1	
016	915538	Seal Ring	1	
017	915300	Ring, 39.513 Inch OD	1	
018	914721	Seal - Oil	2	
019	914476	Band - Wear (37.325 Inch ID)	3	
020	2000346	Cap - Bearing	1	
021	914469	Ring - Thrust (Bearing)	1	
022	914807	Ring - Seal	1	
023	914470	Set of Shims	1	
024	2001606	. Shim (0.005 Inch Thick, 20.90 Inch Long)	20	
025	2001607	. Shim (0.007 Inch Thick, 20.90 Inch Long)	16	
026	2001608	. Shim (0.0299 Inch Thick, 20.90 Inch Long)	20	
027	2001609	. Shim (0.005 Inch Thick, 14.67 Inch Long)	5	
028	2001610	. Shim (0.007 Inch Thick, 14.67 Inch Long)	4	
029	2001611	. Shim (0.0299 Inch Thick, 14.67 Inch Long)	5	
030	2004826	Seal Housing	1	
031	914812	Ring - Seal	1	
032	915541	Flinger	1	
033	2000347	Clamp	36	
034	10028	Capscrew, 1/2-13NC X 1-1/4 Inch Long, Gr 5, HHCS, ZP	36	
035	2002607	Washer, Concave, 1/2 Inch	1	
036	2005152	Seal - Oil (46.635 Inch OD)	1	
037	914811	Packing - Felt (48.55 Inch ID)	1	
038	914810	Band - Wear (44.810 Inch ID)	1	
039	10330	Pipe Plug, 1/8 NPT 150 psi MI SQ.	16	
040	914721	Seal - Oil (39.508 Inch OD)	1	
041	2000345	O-Ring (0.210 Inch OD)	1	
042	911043	Pin - Torque Tube (Tube and Wheel Hub Locating)	1	
043	2004778	Clamp - Hose (1 to 2-3/4 Inch)	4	
044	2003149	Coupling - Oil Return (Rubber)	2	
045	914814	Ring	3	
046	2004827	Planet Gear Cover	1	
047	2001067	Oil Hose (8 Inch Long)	2	
048	2002741	Hose	1	
049	18287	Clamp, Hose Worm	6	
050	2004828	Brake Line Assembly	1	
051	2000661	Filler Cap	1	
052	914384	Plug (1/2 Inch, Planet Gear Cover)	2	
053	10336	Plug, Pipe, 1-1/4 NPT, 150 psi MI SQ.	3	
054	901260	Plug, Magnetic (Planet Cover Drain)	1	

ITEM	P/N	Part Description	Qty	Kits
055		Cap, Pipe 1 Inch	1	
056	700140	Strap - Terminal Connection (6.5 Inch Long)	3	
057	915542	Insulator with Stud	6	
058	10126	Nut, Hex 3/8-16NC, Steel, Gr 5, ZP	6	
059	10164	Flatwasher, 3/8 X 1 Inch OD, ZP	6	
060	10180	Lockwasher, Helical, 3/8 X 0.683 Inch OD	6	
061	901930	Bolt - Special (3/8 - 16NC X 3/4 Inch Long)	55	
062	901251	Capscrew - Hex Head	45	
063	901252	Flatwasher (1 Inch Bolt) (2 Inch OD, 1.063 ID, 0.24 Inch Thick)	45	
064	10061	Capscrew, Hex Head, 3/4-10NC X 1-1/2 Inch Long, Gr 5	24	
065	901184	Flatwasher (3/4 Inch Bolt) (1.19 OD, 0.85 ID, 0.125 Thick)	24	
066	10015	Capscrew, Hex Head 3/8-16NC X 1-3/4 Long, Gr 5	12	
067	913565	Flatwasher (3/8 Inch Bolt) (0.625 OD, 0.435 ID, 0.09 Thick)	12	
068	17877	Capscrew, Hex Socket Head, 5/8-11NC X 1-1/2, Gr 8	10	
069	10032	Capscrew, Hex, 1/2-13NC X 2-1/4, Gr 5, HHCS, ZP	16	
070	915553	Flatwasher (1/2 Inch Bolt) (0.938 OD, 0.562 ID, 0.09 Thick)	58	
071	10028	Capscrew, Hex Head, 1/2-13NC X 1-1/4 Inch Long	6	
072	916117	Bolt, P. G. Bearing Cap - Drilled Head	18	
073	2005564	Capscrew, Hex Head, 1/2-13NC X 1-1/8 Long, Gr 5	18	
074	913476	Sealer, RTV (10.3 Oz Tube)	1	
075	913820	Cement (Container)	1	
076	901188	Sealant - Gasket (3 Oz Tube)	1	
077		Wire, 0.051 Inch Diameter, SS (Roll)	1	
078	2004829	Stator Assembly	1	
079	2004830	Stator Rewind Kit	1	
080	2004831	Stator Bus Ring Kit	1	
081	2003887	. Varnish (Gallon)	1	
082	2004832	Rotor Assembly (A1 Version)	1	
082	2006516	Rotor Assembly (A2 Version)	1	
083	2006441	. Punching - Main	860	
084	2006442	. Punching - End	2	
085	2004833	. End Plate, Rotor	2	
086	2005630	. End Ring, Rotor	2	
087	2004835	. Shaft, Rotor	1	
088	2005632	Nut	1	
089	2005633	Lockwasher	1	
090	700308	Weight (Balancing)	1	
091	2005634	Ring	1	
092	2005635	Baffle	1	
093	10012	Capscrew, Hex, 3/8-16NC X 1 Inch Long	8	
094	913565	Flatwasher (3/8 Inch Bolt) (0.625 OD, 0.435 ID, 0.09 Thick)	8	
095	915552	Collar (A1 Version)	1	
095	2006443	Collar (A2 Version)	1	
096	2000656	Collar	1	
097	2006444	Adapter Ring	1	
098	2004836	Frame Head	1	
099	2000560	Housing, Bearing	1	
100	2005636	Bearing - Pinion End	1	
101	914458	Collar - Pinion End	1	
102	2000350	Seal, V-ring (6.73 Inch ID)	1	
103	913476	Sealer, RTV (10.3 Oz Tube)	1	
104	10029	Capscrew, Hex, 1/2-13NC X 1-1/2, Gr 5, HHCS, ZP	4	
105	915553	Flatwasher (1/2 Inch Bolt) (0.938 OD, 0.562 ID, 0.09 Thick)	4	
106	2001481	Seal - Lip	1	

ITEM	P/N	Part Description	Qty	Kits
107	2001473	Cap - Bearing	1	
108	2004837	Frame Head (A1 Version)	1	
108	2006445	Frame Head (A2.Version)	1	
109	2004838	Sensor, Wheel (A1 Version)	1	
109	2006446	Sensor, Wheel (A2 Version)	1	
110	2002874	Ball Bearing	1	
111	2004840	Bearing Cap (A1 Version)	1	
111	2006447	Bearing Cap (A2 Version)	1	
112	914455	Packing, Frame/Head, Collar	1	
113	10028	Capscrew, Hex, 1/2-13NC X 1-1/4, Gr 5, Hhcs, Zip	6	
114	915553	Flatwasher (1/2 Inch Bolt) (0.938 OD, 0.562 ID, 0.09 Thick)	6	
115	913820	Cement (Container)	1	
116	2000894	Brake Hub	1	
117	914447	Plate Hub (End, Clamping)	1	
118	915313	Washer (1.109 Inch ID, 1.34 Inch OD)	1	
119	11026	Capscrew, Hex, 1- 8NC X 2-1/2 Inch Long, Gr 5	1	
120	2006988	Seal, V-ring (A2 Version)	1	
121	2006448	Cleat, Support	1	
122	2006449	Cleat - Cable	2	
123	2006450	Plate	1	
124	56483	Sensor, Speed	1	
125	2004504	Cable Assembly, Wheel Speed	1	
126	10029	Capscrew, Hex, 1/2-13NC X 1-1/2, Gr 5, HHCS, ZP	4	
127	915553	Flatwasher (1/2 Inch Bolt) (0.938 OD, 0.562 ID, 0.09 Thick)	4	
128		Capscrew, Hex Head, 5/8-11NC X 1-1/2 Inch Long	10	
129	2004454	Washer, Hardened Special (5/8 X 1 Inch OD)	42	
130		Bolt, Socket Head, 5/8-11NC X 2 Inch Long	20	
131	10048	Capscrew, Hex Head, 5/8-11NC X 2-1/4 Inch Long	12	
132	10012	Capscrew, Hex, 3/8-16NC X 1 Inch Long	3	
133	10021	Capscrew, Hex, 3/8-16NC X 3-1/2 Inch Long	2	
134	913565	Flatwasher 3/8 Inch Bolt) (0.645 OD, 0.435 ID, 0.09 Thick)	7	
135	2003993	Nut, Hex, 3/8-16NC, Self-Locking	2	
136	915576	Adapter Ring	1	
137	914765	Bolt, Hex Socket Head, 1-14 X 5 Inch Long	9	
138	915313	Washer (1.109 IN ID, 1.34 Inch OD)	9	
139	914440	Cover - Sun Pinion	1	
140	900656	Gasket - Sun (Pinion) Cover	1	
141	901930	Bolt, Special (3/8-16NC X 3/4 Inch Long)	6	
142	2004841	Sun Pinion Shaft and Ring Assembly	1	
143	914843	Ring - Drive	1	
144	25034	Capscrew, 1/2-13NC X 4 Inches Long, Gr 8	1	
145	915553	Flatwasher (1/2 Inch Bolt) (0.938 OD, 0.562 ID, 0.09 Thick)	1	
144	10029	Capscrew, Hex Head, 1/2-13NC X 1-1/2 Inch Long	3	
147	22465	Flatwasher, 1/2 Inch, 1.062 OD, Zp	4	
148	10182	Lockwasher, Helical, 1/2 X 0.873 OD	3	
149	10137	Nut, Hex, Jam, 1/2-13NC, Stl, Gr 2, Zp	3	
150	2000895	Clamp - Cable	1	
151	2005637	Pad, 1/4 Inch	1	
152	2005638	Cable Clamp	1	
153	10028	Capscrew, Hex, 1/2-13NC X 1-1/4, Gr 5, HHCS, ZP	1	
154		Screw, 4-40 X 1/2 Inch Long	4	
155	2000825	Nut, Hex, 4-40	4	
156	55353	Lockwasher, Helical, #4 X 0.209 OD	4	

ITEM	P/N	Part Description	Qty	Kits
157	2000824	Washer	4	
158	17475	Tape, Cloth, 1/2 Inch Wide (Roll)	1	
159	2003887	Varnish (Gallon)	1	
160	2003391	Adhesive (Container)	1	
161	914489	Seal - Housing to Frame	1	
162	914828	Hub Cap Assembly	1	
163	901922	. Handle, Wheelmotor Cover	2	
164	2003323	. Latch Assembly	4	
165		Screen	2	

SECTION 13 - TECHNICAL DATA

DESCRIPTION	SCHEMATIC NUMBER
24 Volt Electrical Schematic	S10327
24 Volt Electrical Schematic - Options	S10327AP
Chassis Lubrication Requirements	T5124
Electrical Schematic 24 Volt	S10327
Electrical Schematic 24 Volt - Options	S10327AP
Electrical Schematic Power/Control	S10495
Front Wheel Bearing Lube Requirements	T5125
Hydraulic Schematic	S1132
Lube Requirements, Front Wheel Bearing	T5125
Lubrication Requirements, Chassis	T5124
Options - 24 Volt Electrical Schematic	S10327AP
Power/Control Electrical Schematic	S10495
Weigh System Configuration Data	T5128BV
Weigh System Schematic	S10656
Weigh System Test	T5080B
Wheel Bearing Lube Requirements, Front	T5125

BI115389

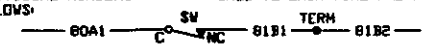
ENG. NO.	REL. DR.	ENG. APP.	DR.
92624	ELLIS	SLF	CRC
92844			
93250			
93445			
93551			
93572			
93749			
94496			
94577			
94684			
94831			

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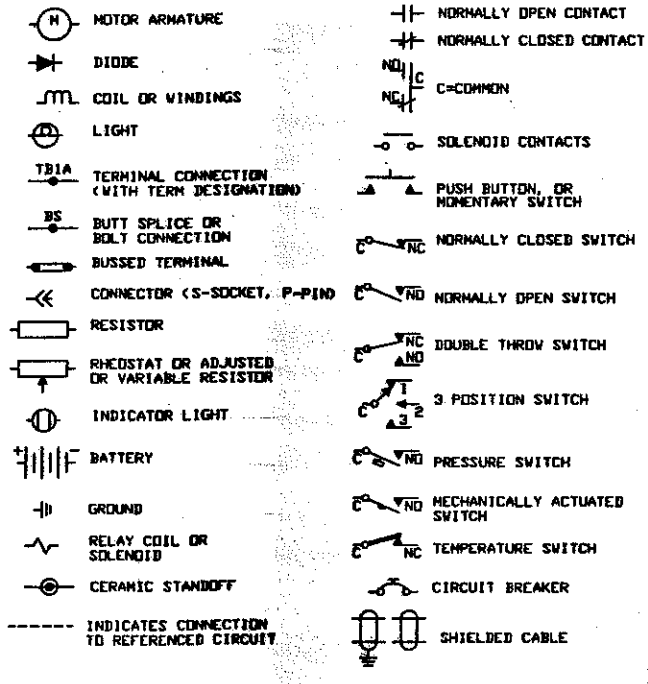
S10327

GENERAL NOTES:

1. THIS SCHEMATIC SHOWS THE CIRCUITRY IN A TRUCK 24 VOLT ELECTRICAL SYSTEM. THE CIRCUIT IS ILLUSTRATED USING SYMBOLS EXPLAINED IN THE FOLLOWING NOTES. THIS DOCUMENT IS FOR TRACING CURRENT FLOW AND TROUBLE SHOOTING.
2. INDIVIDUAL NUMBERS ARE ASSIGNED TO EACH WIRE AND ARE SHOWN AS FOLLOWS:



3. ZONE NUMBERS ARE USED TO LOCATE CIRCUITS AND ARE SHOWN IN THE LEFT HAND MARGIN OF EACH SHEET. THE FIRST ONE OR TWO DIGITS OF THE ZONE NUMBER REFERS TO THE SHEET NUMBER, THE LAST TWO DIGITS ARE THE LINE NUMBERS OF THE CIRCUITS. EXAMPLE: 321 REFERS TO SHEET 3, LINE 21.
4. A CIRCUIT CONTINUATION IS SHOWN BY A ZONE NUMBER IN A HEXAGON. SOME CIRCUITS WILL CONTINUE ON THE POWER AND CONTROL SCHEMATIC AND WILL FOLLOW NOTE #3.
5. CURRENT FLOW ON THIS SCHEMATIC IS FROM LEFT TO RIGHT
6. ALL DEVICES ARE SHOWN IN THEIR NORMAL OR DE-ENERGIZED POSITION
7. A COMMON CHASSIS GROUND SYSTEM IS USED. ALL GROUND WIRES BEGIN WITH 'X' AND ARE CONNECTED TO A SPECIFIC GROUND POINT OR A 'NEAREST' GROUND POINT. 'NEAREST' DEFINES THE CLOSEST MOST DEPENDABLE CHASSIS GROUND POINT TO THE COMPONENT.
8. TERMINAL BOARD AND GROUND POINT LOCATIONS ARE AS FOLLOWS:
   TB10 THRU TB19 & GND10 THRU GND19.....CAB
   TB20 THRU TB29 & GND20 THRU GND29.....ENGINE
   TB30 THRU TB39 & GND30 THRU GND39.....FRAME
   TB50 THRU TB59 & GND50 THRU GND59.....SUPERSTRUCTURE
   TB60 THRU TB69 & GND60 THRU GND69.....AXLEBOX



ITEM	DESCRIPTION	LOCATION SCHEMATIC	LOCATION TRUCK
11H D	11H DIODE (BETWEEN X15A AND TB11H)	557	CAB
24/12V CONV	24/12V DC CONVERTER	645	CAB
24V ALT	24 VOLT ALTERNATOR	9__	ENGINE
AA1,AA2	AUDIBLE ALARM 1,2	354	CAB
ABXSVLT SW	AXLE BOX SERVICE LIGHT SWITCH	452	AXLE BOX
AC CMP	AIR CONDITIONER COMPRESSOR	658,9__	ENGINE
AL PSW	AUTO LUBE PRESSURE SWITCH	630	HYD BOX
AL TMR	AUTO LUBE TIMER	633	CAB
ALSV1 SOL	AUTO LUBE SV1 SOLENOID	628	S/S
ALT SW	AUTO LUBE TEST SWITCH	627	CAB
BI SW	BATTERY ISOLATION SWITCH	201	FRAME
BU H	BACK UP HOOTER	758	AXLE BOX
CE IND	CHECK ENGINE INDICATOR	357,10__	CAB
CS	CERAMIC STANDOFF	653	CAB
DBU IND	DUMP BODY UP INDICATOR	720	CAB
DC/AC CONV1	DC/AC CONVERTER 1 (DASH PANEL)	415	CAB
DC/AC CONV2	DC/AC CONVERTER 2 (CENTER CONSOLE)	415	SHIFT TOWER
DOME LT	DOME LIGHT	459	CAB
DOS	DUMP-UP OVERRIDE SWITCH (GE)	732	SHIFT TOWER
DS SW	DATA STORE SWITCH	737	CAB
ECL SN	ENGINE COOLANT LEVEL SENSOR	10__	RADIATOR
ECT GA	ENGINE COOLANT TEMPERATURE GAUGE	255,421,615,9__	CAB
ECT SN	ENGINE COOLANT TEMPERATURE SENSOR	615,9__	ENGINE
EK R	ENGINE KILL RELAY	10__	CAB
EK SW	ENGINE KILL SWITCH	747,10__	HOOD
ED PSW	ENGINE OIL PRESSURE SWITCH (CAB)	618	CAB
EOP GA	ENGINE OIL PRESSURE GAUGE	421	CAB
ES/S SW	ENGINE START/STOP SWITCH	354,751,10__	CAB
ESVLT SW	ENGINE SERVICE LIGHT SWITCH	449	HOOD
F GA	FUEL GAUGE	421,606	CAB
FAN MOT	FAN MOTOR (1,2)	650,655	CAB
FAN RES	FAN RESISTOR (1A,1B,2A,2B)	650,655	CAB
FAN SW	FAN SWITCH	653	CAB
FBK XSW	FOOT BRAKE PROXIMITY SWITCH	504	CAB
FLSH	FLASHER	433	CAB
	HOOTER	624	S/S
H/TLT SW	HEAD/TAIL LIGHT SWITCH	403	CAB
HBK XSW	HAND BRAKE PROXIMITY SWITCH	508	HYD BOX
HBXSV LT	HYDRAULIC BOX SERVICE LIGHT	456	HYD BOX
HI DP	HIGH SIDE DIODE PANEL	342	CAB
HIB R	HIGH BEAM RELAY	406	FRAME
HIHOT SN	HIGH HYDRAULIC OIL TEMP. SENSOR	543	FRAME
HM	HOURMETER	618	CAB
INDPC	INDICATOR PANEL CONNECTOR	311,408,430,439,511,705,726	CAB
LBK SOL	LOAD BRAKE SOLENOID	525	HYD BOX
LBU LT	LEFT BACK UP LIGHTS	755	AXLE BOX
LESV LT	LEFT ENGINE SERVICE LIGHT	448	HOOD
LFT/C LT	LEFT FRONT TURN/CLEARANCE LIGHT	431	S/S
LD DP	LOW SIDE DIODE PANEL	342	CAB
LDB R	LOW BEAM RELAY	402	FRAME
LDBK PSW	LOW BRAKE PRESSURE SWITCH	539	HYD BOX
LDF SN	LOW FUEL SENSOR	611	FRAME
LDHOL SN	LOW HYDRAULIC OIL LEVEL SENSOR	548	FRAME
LDSTR PSW	LOW STEERING PRESSURE SWITCH	552	FRAME
LRET LT	LEFT RETARD LIGHT	427	AXLE BOX
LRT/C LT	LEFT REAR TURN/CLEARANCE LIGHT	433	DUMP BODY
LT IND	LEFT TURN INDICATOR	430	CAB
LT/S LT	LEFT TURN/STOP LIGHT	435	AXLE BOX
M SW	MASTER SWITCH	226	CAB
MF SW	MULTI-FUNCTION SWITCH	403,431	CAB
MPS SW	MANUAL POWER SUPPLY SWITCH	534	CAB
MSW R	MASTER SWITCH RELAY	555	CAB
PBK PSW	PARK BRAKE PRESSURE SWITCH	521	HYD BOX
PBKAPP SOL	PARK BRAKE APPLY SOLENOID	519	HYD BOX
PBKREL SOL	PARK BRAKE RELEASE SOLENOID	517	HYD BOX
PBKSO SOL	PARK BRAKE SHUT OFF SOLENOID	515	HYD BOX
PLD RH	PANEL LIGHT DIMMER RHEOSTAT	421	CAB
PTT SW	PRESS TO TEST SWITCH	340	CAB
RBU LT	RIGHT BACK UP LIGHTS	757	AXLE BOX
RCDN IND	RETARD CONTINUOUS INDICATOR	742	CAB
RESV LT	RIGHT ENGINE SERVICE LIGHT	450	HOOD
RFT/C LT	RIGHT FRONT TURN/CLEARANCE LIGHT	440	S/S
RP RH	RETARD PEDAL RHEOSTAT	712	CAB
RRET LT	RIGHT RETARD LIGHT	429	AXLE BOX
RRT/C LT	RIGHT REAR TURN/CLEARANCE LIGHT	442	DUMP BODY
RSC RH	RETARD SPEED CONTROL RHEOSTAT	708	SHIFT TOWER
RT IND	RIGHT TURN INDICATOR	439	CAB
RT/S LT	RIGHT TURN/STOP LIGHT	437	AXLE BOX
S LT	STAIRWAY LIGHT	446	HOOD
SE IND	STOP ENGINE INDICATOR	359,10__	CAB
SEI R	STOP ENGINE INDICATOR RELAY	10__	CAB
SF IND	SYSTEM FAULT INDICATOR	739	CAB
SLT SW1	STAIRWAY LIGHT SWITCH 1	446	CAB
SLT SW2	STAIRWAY LIGHT SWITCH 2	446	HOOD
SPD M	SPEEDOMETER	421,722	CAB
SPD R	SPEED (EVENT) RELAY	530	CAB
SR SW	SYSTEM RESET SWITCH	735	CAB
SSW	SELECTOR SWITCH	745	SHIFT TOWER
STRAD SOL	STEERING ACCUMULATOR DRAIN SOLENOID	557	FRAME
STRTR R	STARTER RELAY	10__	ENGINE
STRTR1	STARTER 1	9__	ENGINE
STRTR2	STARTER 2	9__	ENGINE
T1	TERMINAL ONE	201,9__	BATT BOX
TAC M	TACHOMETER	421,725	CAB
TP RH	THROTTLE PEDAL RHEOSTAT	715	CAB
TX	TERMINAL X	201	BATT BOX
VM	VOLTMETER	421,601	CAB
WR MOT	WIPER MOTOR	637	CAB
WSHR PMP	WASHER PUMP	641	HYD BOX

TEREX MINING

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2	24V DISTRIBUTION
3	GROUND DIST., DIODE PANELS
4	LIGHTS
5	HYDRAULICS
6	GAUGES, FAN, WIPER, AUTOLUBE
7	STATEX INTERFACE, SELECTOR SW
9A&10A	DETROIT 16V4000 DDEC IV
9B&10B	CUMMINS QSK60 QUANTUM/CENSE
9C&10C	CUMMINS QSK60 QUANTUM

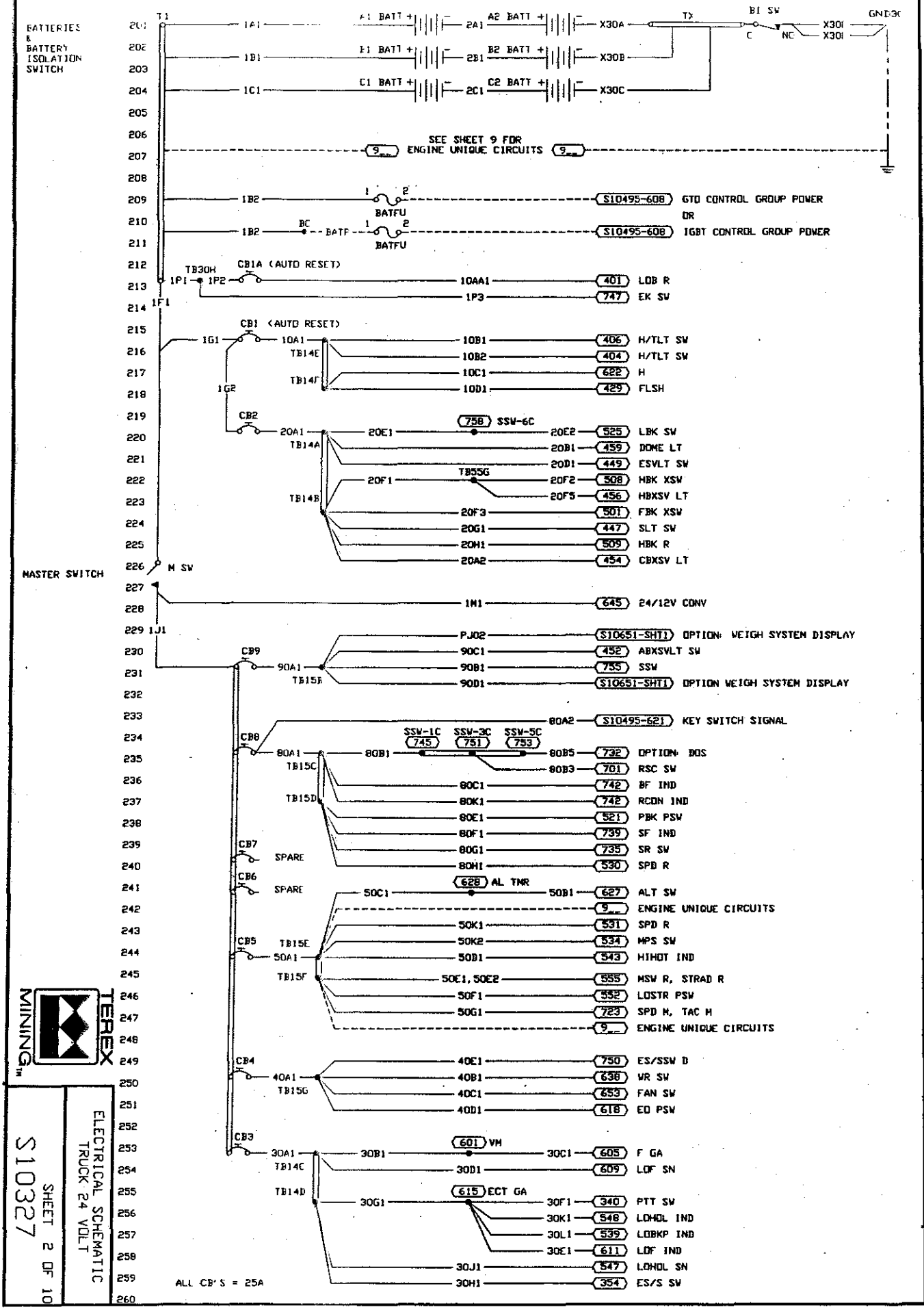
SHEETS 2-8 COVER 'STANDARD 24V CIRCUITS'.
SHEETS 9-10 COVER 'ENGINE UNIQUE CIRCUITS'.

MT4400 AC DRIVE SYSTEM
ELECTRICAL SCHEMATIC
TRUCK 24 VOLT

SHEET 1 OF 10
S10327

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ELECTRICAL SCHEMATIC
TRUCK 24 VOLT

SHEET 2 OF 10
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REL DC CHG APP CRC
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LBK SOL — X53A — TB55F — X53B — HYDRAULIC BOX — GND 53
LOBK PSW-NC — X53C
HBK XSW-BLU — X53D
WSHR PMP — X53E
ALSV1 SOL — X53H

11H D-AN — X15A — CAB GND15
DC/AC CONV2 — X15E
LFT/C LT-WHT — X15F
RFT/C LT-WHT — X15G

L1HD LT-WHT — XXX — HOOD NEAREST
L2HD LT-WHT — XXX
R1HD LT-WHT — XXX
R2HD LT-WHT — XXX
S LT — XXX
LESV LT — XXX
RESV LT — XXX

LOF SN — X16AD — CAB GND16
F SN — X16A
TB10L — X16B
F GA-G — X16C
VM — X16D
AL IND — X16E — JUMP
RT IND
DBU IND
RSC IND
HIB IND
HBK IND
LT IND — INDPC-G — X16F
LOSTRP IND — X16G
EDP GA-CASE — X16AA
ECT GA-CASE — X16Z
PLD RH-LT — X16K
PTT SW-2 — JUMP
PTT SW-LT — X16L
FBK XSW-BLU — X16M
CE IND — X16N
SE IND — X16P
ES/S SW — X16S
H/TLT SW-B — X16T
SR SW-B — X16Y
DS SW-B — X16X
ALT SW-B — X16U
SLT SW-B — X16V
AL THR-3 — X16W
TAC M — X16AC
SPD M — X16AB

BI SW — X30E — FRAME — GND 30
X30E
ENGINE UNIQUE CIRCUITS

MINOT SN-NO — X33B — FRAME — GND 33
LOHOL SN — X33C
STRAD SOL — X33D

LOB R — X30K — FRAME NEAREST
HIB R — X30L

GTD CONTROL GROUP
RTN BUS (S10495-608) — X30J — FRAME HORSE COLLAR
IGBT CONTROL GROUP
RTN BUS (S10495-608) — RTN — BC — X30J
X30J CONNECTION DETERMINED BY CONTROL GROUP CONFIGURATION. ONLY ONE X30J CABLE INSTALLED ON TRUCK.

FAN MOT1-BLK — X17A — CAB GND17
FAN MOT2-BLK — X17B — JUMP
MSV R-85 — X17C
STRAD R-7 — X17D
PBK IND — X17W
PBKD SW-APP — X17G
PBKD SW-REL — X17F
DC/AC CONV1 — X17J
MPS SW-1 — X17U
F GA-CASE — X17V
VM-CASE — X17Z
HM — X17AA
ENGINE UNIQUE CIRCUITS

LT/S LT — WHT — AXLE BOX NEAREST — TB61K TB61L — X61A
RT/S LT — WHT
LRT/C-WHT — X61B
RRT/C-WHT — X61C

ABXSV LT — X61F
BU H — XXX

WR SW-BLK — X19A — CAB GND19
WR MOT-X — X19F
24/12V CONV — X19B

PRESS TO TEST SWITCH

255 — 30F1 — PTT SW — GND — JUMP

LO DP
(1 THRU 18 ARE IDENTICAL, 15 TYPICAL)
20 — 31B1
19 — 31H1
2D15 1D15
1 2 — LO DP (#) — 15 17 18 — WARNINGS

LO DP (#)	WARNINGS
(1) RETARD CONTINUOUS	LIGHT
(3) LOW HYD OIL	LIGHT & ALARM
(4) HI HYD OIL TEMP	LIGHT
(5) LOW BRK PRESS	LIGHT & ALARM
(6) SYSTEM FAULT-YELLOW	LIGHT
(7) SYSTEM FAULT-RED	LIGHT & ALARM
(8) LOW FUEL	LIGHT

HI DP
(1 THRU 8 ARE PAIRED WITH 11 THRU 18, 9 UNUSED, 4 AND 14 TYPICAL)
20 — 31F1
19 — 31D1
1D4 2D4
1 4 8 9 11 14 18 — HI DP (#) — WARNINGS

HI DP (#)	WARNINGS
(1) CHECK ENGINE	LIGHT
(2) STOP ENGINE	LIGHT & ALARM
(5) LOW STR PRESS	LIGHT & ALARM
(6) DUMP BODY UP	LIGHT
(8) RETARD SPEED CONTROL	LIGHT

259 — 30H1 — ES/S SW — 31M1 — AA1 — (OPEN ONLY IN STOP POSITION)
AA2 — 31N1 — ES/S SW — X16S — (OPEN ONLY IN STOP POSITION)

10 — HI DP 1 — 11 — 51H2 — CE IND — X16N
ENGINE UNIQUE CIRCUITS ON SHEET 10
10 — HI DP 2 — 12 — 51J2 — SE IND — X16P

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ELECTRICAL SCHEMATIC TRUCK 24 VOLT

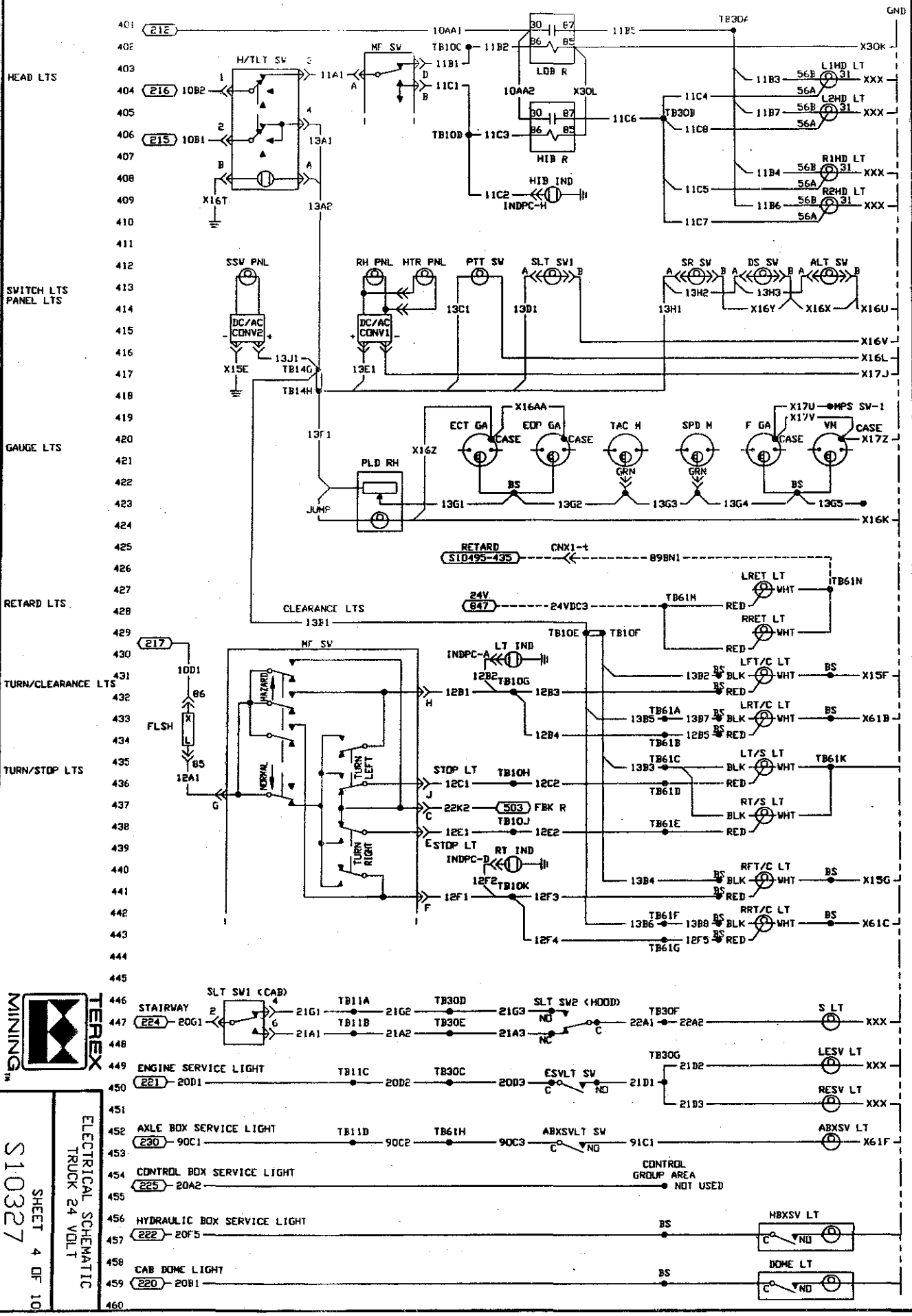
S10327 SHEET 3 OF 10

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HEAD LTS
SWITCH LTS
PANEL LTS
GAUGE LTS
RETARD LTS
TURN/CLEARANCE LTS
TURN/STOP LTS



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ELECTRICAL SCHEMATIC
TRUCK 24 VOLT

SHEET 4 OF 10

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GND

FOOT BRAKE

XSW KEY

LED	SWITCH
ON	CLOSED
OFF	OPEN

HAND BRAKE

PARK BRAKE

LOAD BRAKE

MANUAL POWER SUPPLY

LOW BRAKE PRESSURE MONITORING

HIGH HYDRAULIC OIL TEMPERATURE MONITORING

223 — 20F3 — FBK XSW A BRN, B BLK, C BLU — X16M

JUMP — FBK R — 22H1 — 22K1 — 22K2 — 437 MF SW-C

TB15H — PG01 — OPTION: WEIGH SYSTEM

CNX3-B — 22K5 — S10495-426

222 — 20F2 — HBK XSW A BRN, B BLK, C BLU — X53D

225 — 20H1 — JUMP — HBK R — 21H1 — TB55H — 21H2

TB15J — 25A1 — HBK IND, LBK IND — INDPC-J — TB15K — 25A2

PN01 — OPTION: WEIGH SYSTEM

CNX4-C — 25A11 — S10495-427

TB55L — 25A4 — PBKSO SOL — 25A7 — 25B3

PBKREL SOL — 25A6 — 25B1 — TB55B — PBKO SW — RELEASE — 25B2 — X17F

TB55C — 25A5 — PBKAPP SOL — 25C1 — TB55D — 25C2 — APPLY — X17G

PN01B — OPTION: WEIGH SYSTEM

PBK PSW — 81E2 — PBK IND — X17V

237 — 80E1 — CNX4-R — 89CR2 — S10495-429

TB15L

LBK SW — 219 — 20E2 — 21C1 — TB55E — 21C2 — 21C3 — LBK SOL — TB55F — X53A — X53B

SPD R — 240 — 80H1 — 8BW2 — CNX4-B — SPEED > 3MPH — S10495-454

242 — 50K1 — 51K1 — TB11R

LINE 530-537 SHOW PREWIRED CAB PORTION OF MANUAL POWER SUPPLY OPTION. WHEN MANUAL POWER SUPPLY OPTION IS PROVIDED, COMPLETE CIRCUIT WILL BE SHOWN ON OPTION SCHEMATIC.

MPS SW — 243 — 50K2 — 51K3 — 52K3 — TB11S

X17U

LOBKP IND — LO BP(5) — 257 — 30L1 — 31L1 — LOBK PSW — X53C

347 — 31L3

HIHOT IND — LO BP(4) — 244 — 50D1 — 51D1 — TB11K — 51D2 — HIHOT SN — X33B

347 — 51D3

LOW HYDRAULIC OIL LEVEL MONITORING

258 — 30J1 — TB11L — 30J2 — LOHOL SN — X33C

LOHOL IND — LO BP(3) — 256 — 30K1 — 31K1 — TB11M — 31K2

347 — 31K3

LOW STEERING PRESSURE MONITORING

246 — 50F1 — TB11E — 50F2 — LOSTR PSW — 51F1 — TB11F — 51F2 — 5 HI DP 15 — 51F3 — LOSTRP IND — X16G

STEERING ACCUMULATOR DRAIN

245 — 50E1 — 50E2 — STRAD R — X17D — TIME DELAY OFF (15D SECONDS)

SSW-6(ND) — 756 — 22E1 — 22F1 — HSW R — 50E1 — X17C

TB11H — 22G1 — 22G2 — STRAD SDL — X33D — X15A — 11H D

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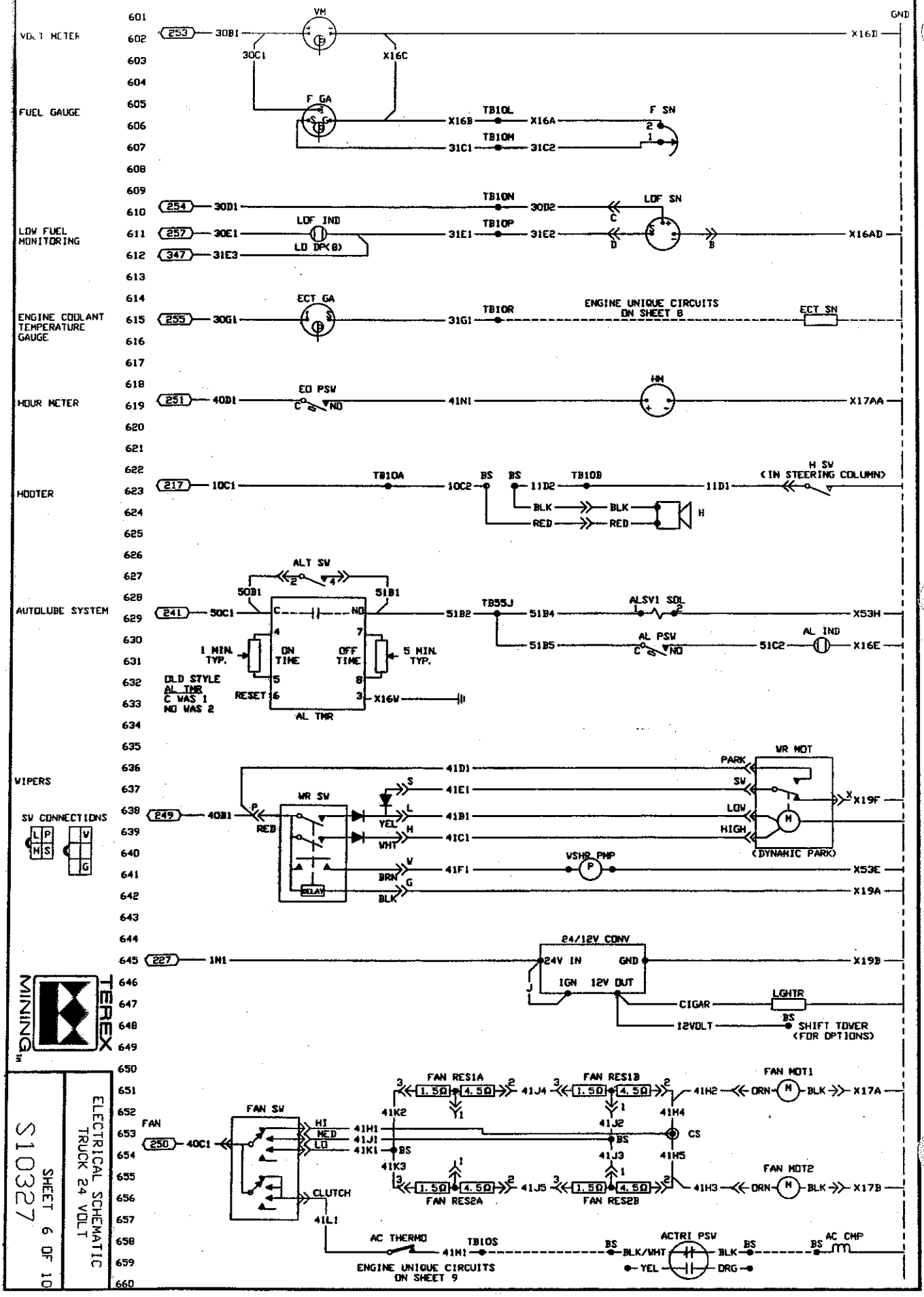
ELECTRICAL SCHEMATIC TRUCK 24 VOLT

SHEET 5 OF 10

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ELECTRICAL SCHEMATIC
TRUCK 24 VOLT

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SHEET 6 OF 10

E.N. NO. 92824 92844 93250 93445 93551 93572 93749 94496 94577 94684 94831 REVISIONS CRC

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S10327

RETARD SPEED CONTROL

RETARD PEDAL

THROTTLE PEDAL

POT REF

SPEEDOMETER

TACHOMETER

DUMP BODY UP

SYSTEM RESET SWITCH

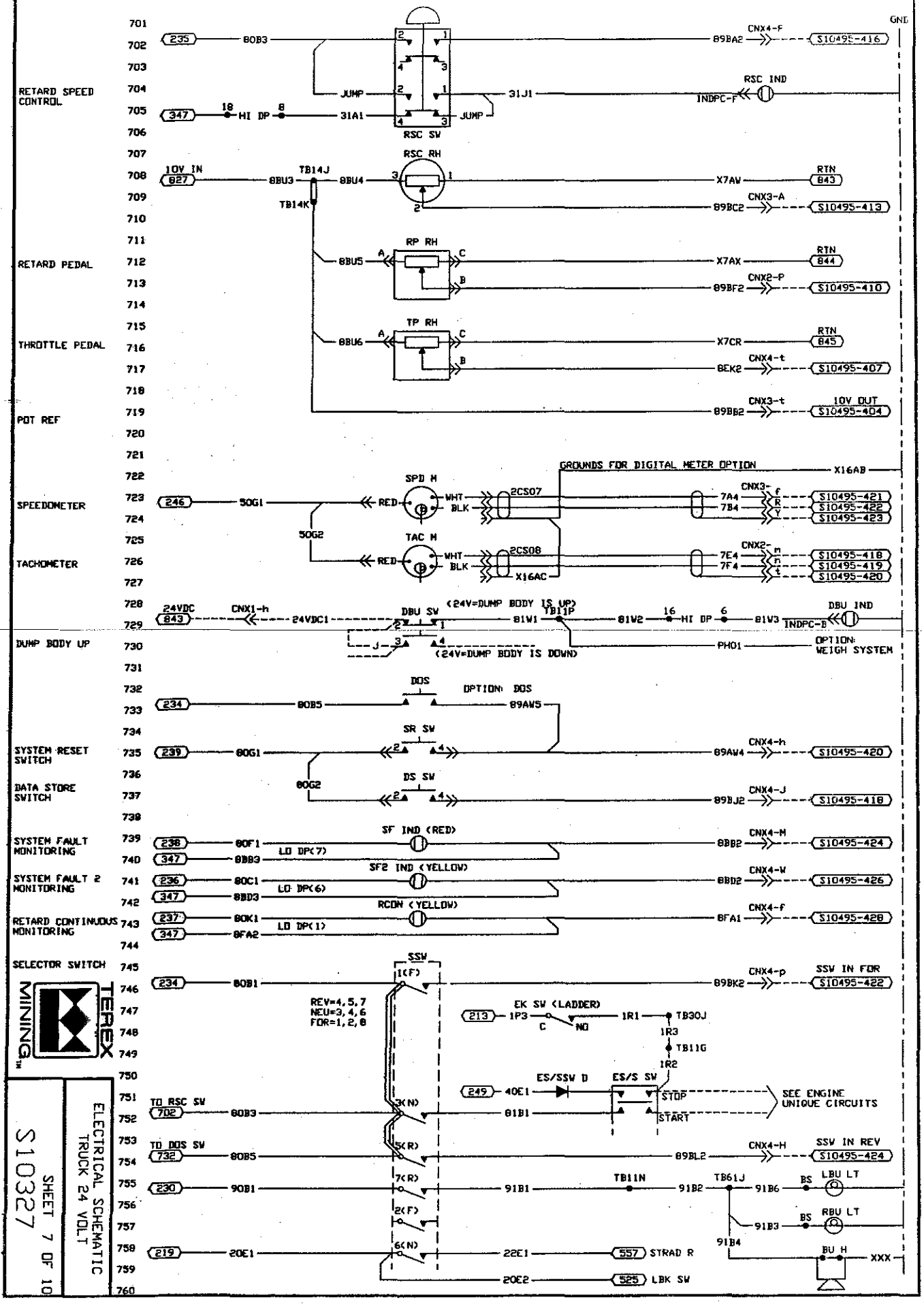
DATA STORE SWITCH

SYSTEM FAULT MONITORING

SYSTEM FAULT 2 MONITORING

RETARD CONTINUOUS MONITORING

SELECTOR SWITCH



ELECTRICAL SCHEMATIC TRUCK 24 VOLT

SHEET 7 OF 10

S10327

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S1C327

EIN NO. 22664 92644 93250 93445 93351 93372 93745 94496 94577 94684 94831

PROPULSION SYSTEM SERIAL CONNECTION — IN PANEL BELOW DASH
PSSC1 — 3CS40 — RS232 FOR LAPTOP (ICI PTU) — RED / WHITE / BLK — CNX3-G,k,r,s — S10495-402, S10495-403, S10495-404, S10495-405

PROPULSION SYSTEM SERIAL CONNECTION — IN PANEL BELOW DASH
PSSC2 — 3CS41 — RS232 FOR LAPTOP (PSC PTU) — RED / WHITE / BLK — CNX3-W,V,d,X — S10495-406, S10495-407, S10495-408

DISPATCH SYSTEM SERIAL CONNECTION — IN CENTER CONSOLE
DISSC — 3CS43 — RS232 FOR DISPATCH SYSTEM — RED / WHITE / BLK — CNX3-w,y,z,x — S10495-456, S10495-457, S10495-457, S10495-458

CONTROL GROUP CONNECTOR INTERLOCK CIRCUIT
CNX2-Z — S10495-439 — BP24V190 — CNX3-Z — S10495-440
CNX4-z — S10495-441 — BP24V170 — CNX5-z — S10495-441

S10495-411, S10495-411, S10495-412, S10495-413 — CNX3-E, CNX3-D, CNX3-H, CNX3-D — 3CS42 (RED, WHT, BLK)

TB18 (SHIFTER) — 3CS45 (RED, WHT, BLK) — A, B, C, D

DID (IN CAB)

S10495-629 CONTROL GROUP

PWR SUPPLY — OUTPUT

2CS118	CNX2-A WHT / CNX2-B BLK	5VDC / RTN		
2CS119	CNX2-C WHT / CNX2-D BLK	5VDC / RTN	E	5VDC — 5VDC1 — DID-5
2CS120	CNX2-E WHT / CNX2-F BLK	5VDC / RTN	F	10VDC — 8BU3 — 708 (PDT SUPPLY)
2CS121	CNX2-G WHT / CNX2-H BLK	+15VDC / RTN	G	+15VDC — P15VDC1 — DID-6
2CS122	CNX2-J WHT / CNX2-K BLK	+15VDC / RTN		
2CS123	CNX2-L WHT / CNX2-M BLK	-15VDC / RTN	H	-15VDC — N15VDC1 — DID-9

RTN18 (SHIFTER) — RTN18A — DID-10

CNX1-n — 24VDC1 — 24VDC
DBU SW-2 — 728 — 708 — X7AW — RTN18E — CNX3-K — RSC REF — S10495-414
DBU SW-3 — 712 — X7AX — RTN18F — CNX2-V — RP REF — S10495-411
24VDCF — 715 — X7CR — RTN18G — CNX4-y — TP REF — S10495-408
AB PSW-C — RTN18H — CNX3-n — PDT REF — S10495-405
24VDC3
TB61M0 — 427

S10495-443 WHT — CNX5-s — P2C03 — TRUCK SPEED
S10495-443 BLK — CNX5-x
S10495-444 — CNX5-c

VEIGH SYSTEM OPTION
PAYLOAD STATUS — PE01 — CNX4-a — S10495-445
OVERLOAD STATUS — PU01 — CNX4-n — S10495-448

S10495-445 — CNX5-M — PP01 — PROPULSION
S10495-447 — CNX5-d — PB01 — RETARD

AC SYSTEM INTERFACE

TEREX MINING

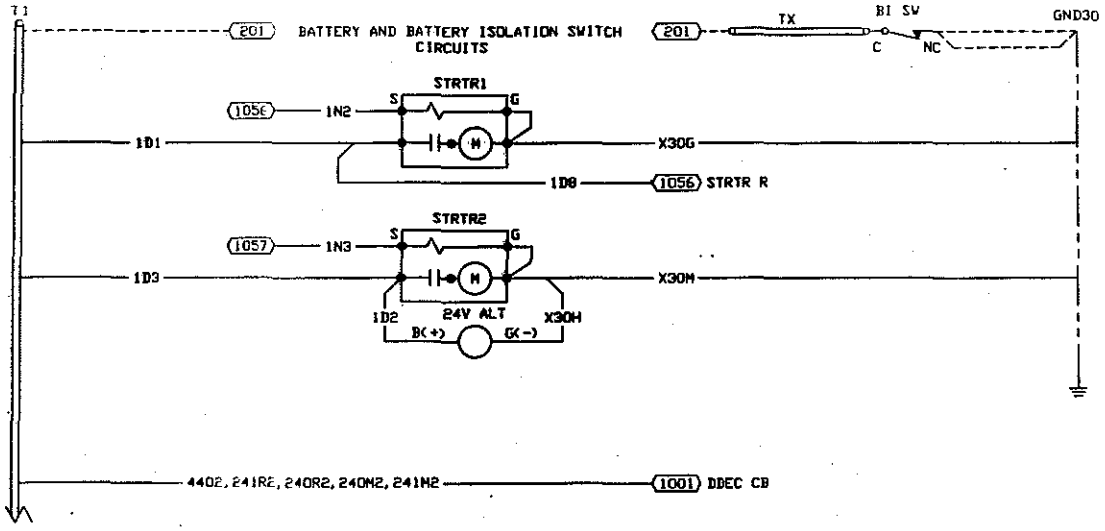
ELECTRICAL SCHEMATIC TRUCK 24 VOLT

S10327 SHEET 8 OF 10

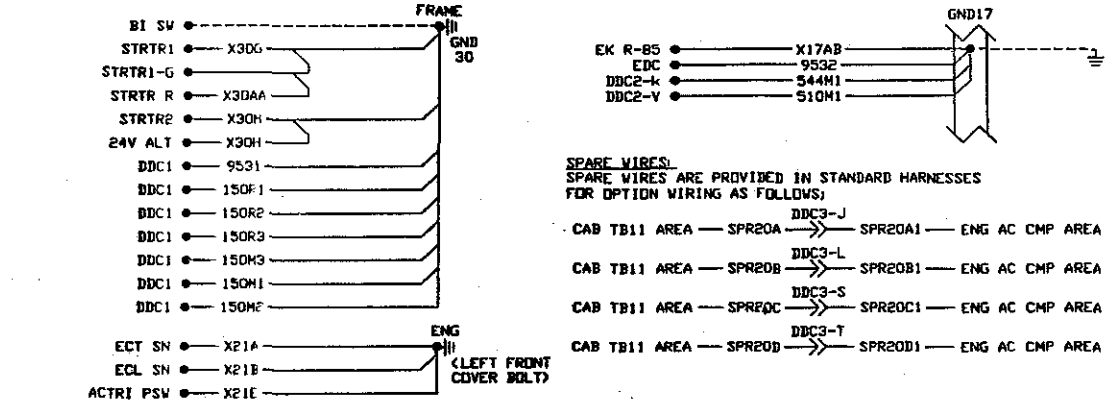
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S10327

24V POWER DISTRIBUTION (SHEET 2 ADDITIONS)



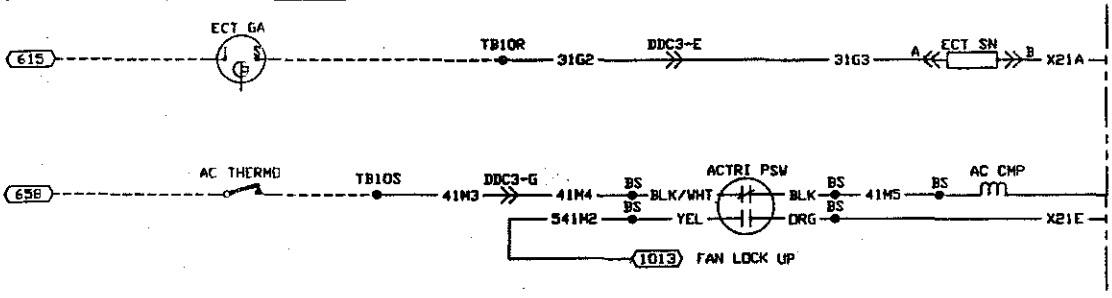
GROUNDS (SHEET 3 ADDITIONS)



SPARE WIRES:
SPARE WIRES ARE PROVIDED IN STANDARD HARNESSES FOR OPTION WIRING AS FOLLOWS;

CAB TB11 AREA — SPR20A — DDC3-J — SPR20A1 — ENG AC CMP AREA
CAB TB11 AREA — SPR20B — DDC3-L — SPR20B1 — ENG AC CMP AREA
CAB TB11 AREA — SPR20C — DDC3-S — SPR20C1 — ENG AC CMP AREA
CAB TB11 AREA — SPR20D — DDC3-T — SPR20D1 — ENG AC CMP AREA

GAUGE (SHEET 6 ADDITIONS)



TEREX MINING

ELECTRICAL SCHEMATIC
TRUCK 24 VOLT

SHEET 9A OF 10
S10327

SHEET 9A & 10A---DETROIT 16V4000 ENGINE W/DDEC IV CONTROLS

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S10327

DDEC CE | DDC1 | DDC2 | ECM MASTER | ECM RECV #1

T1 GND 1001 916 931 — 4402 — 5A — 4401 — 9531 — N R — 440 — 953

GND 1002 932 — 150R1 — D — 150R

GND GND 1003 932 933 — 150R2 — C — 150R; 150R3 — S — 150R

150R3 ADDED TO TRUCKS AFTER 1/1/2001

1004

T1 T1 1005 916 916 — 241R2 — 20A; 240R2 — 20A — 241R1 — K — 241R; 240R1 — J — 240R

T1 T1 1006 916 916 — 240M2 — 20A; 241M2 — 20A — 240M1 — G — 240M; 241M1 — H — 241M

GND GND GND 1007 934 935 935 1008 — 150M3 — P — 150M; 150M1 — A — 150M; 150M2 — B — 150M

1009

* = NOT USED FUNCTIONS

1010 * PARKING BRAKE (IDLE SHUTDOWN TIMER) INPUT — 531M1 — F — 531M — J2
1011 * TORQUE LIMIT ENABLE (2SPD GOV/LATCHING) INPUT — 523M1 — b — 523M — H1
* EXTERNAL STOP ENGINE INPUT — 524M1 — T — 524M — H2
1012 * RUN SIGNAL (STARTER LOCKOUT) OUTPUT — 988M1 — R — 988M — A1

1013 948 FAN LOCK UP (GND=LOCK UP) — 541M2 — DDC3-P — 541M1 — L — 541M — J1

1014

ENGINE COOLANT LEVEL SENSOR

1015 — 115M2 — DDC3-C — 115M1 — c — 115M — H3
1016 A1 B1 ECL SN — X21B

1017

1018 S10495-512 — CNX5-e — 563M1 — TB15A COLD ENGINE OUTPUT (GND=COLD ENGINE) — 563M2 — f — 563M — SENSOR HARNESS
1019 S10495-512 — CNX5-F — ALT MIN VSG SPEED INPUT — 542M1 — e — 542M — F1
1020

1021 S10495-509 — CNX2-Y — WHT — PWM#1 OPTIMUM LOAD — 2CS125 — 908M1 — K — 908M — J3
1022 S10495-510 — CNX2-f — BLK — GND — 9535
1023 S10495-511 — CNX2-p — BS — 9534 — G
1024

1025 S10495-503 — CNX2-q — WHT — FREQUENCY INPUT VSG (1Hz = 5RPM) — 2CS111 — 556M1 — M — 556M — E2; 556R — E2
1026 S10495-504 — CNX2-r — BLK — FREQUENCY INPUT GND — 9533
1027 S10495-505 — CNX2-x

ENGINE DIAGNOSTIC CONNECTOR

1028 B — DATA LINK (-) — 901M1 — P — 901M — C1; 901R — C1
1029 A — DATA LINK (+) — 900M1 — H — 900M — C2; 900R — C2
1030 C — 439M2 — TB1J IGNITION — 439M1 — A — 439M — B3; 439R — B3
1031 E — EDC — 9532

1032 — 439M6 — 419M1 — P — 419M — B1; 419R — B1
1033 — 509M1 — n — 509M — B2; 509R — B2
1034 — 544M1 — k — 544M — F2; 544R — F2
1035 — 510M1 — V — 510M — D1; 510R — D1
1036 GND 17 — TB15H
1037
1038 — 4403 — J — 953 — A B; 440 — A B
1039 — 439M3 — CEI R — 86 85 87 30 87A — 439M7 — CNX2-w — S10495-504 — 24V=ENG MAY BE RUNNING

CHECK ENGINE

1040
1041 922 — 50J1 — 51H1 — HI DP 1 11 — CE IND 357 — 89CE2 — CNX2-u — S10495-507 — 24V=NO CHECK ENG
1042
1043 — 50J2 — 439M4 — SEI R — 86 85 87 30 87A — 51J1 — HI DP 2 12 — SE IND 359 — 89CD2 — CNX2-v — S10495-505 — 24V=NO STOP ENG
1044

STOP ENGINE

1045
1046 24V 747 — EK SW (LABBER) C NO — TB30J
1047
1048 — TB11G
1049 — 439M5 — EK R — 86 85 87 30 87A
1050 24V-CB4 750 — ES/S SW — 41R1 — X17AB
1051 ES/SSW B 751 — 24V IF SSW IN NEUTRAL
1052
1053 — 82B5 — CNX4-k — S10495-502 — 24V=CRANKING ENG
1054 — 82B2 — DDC3-A — STRTR R
1055 — 82B3 — X30AA
1056 907 — 1D8 — 1N2 — 905 — STRTR1
1057 — 1N3 — 909 — STRTR2
1058
1059
1060

SHEET 9A & 10A---DETROIT 16V4000 ENGINE W/DDEC IV CONTROLS

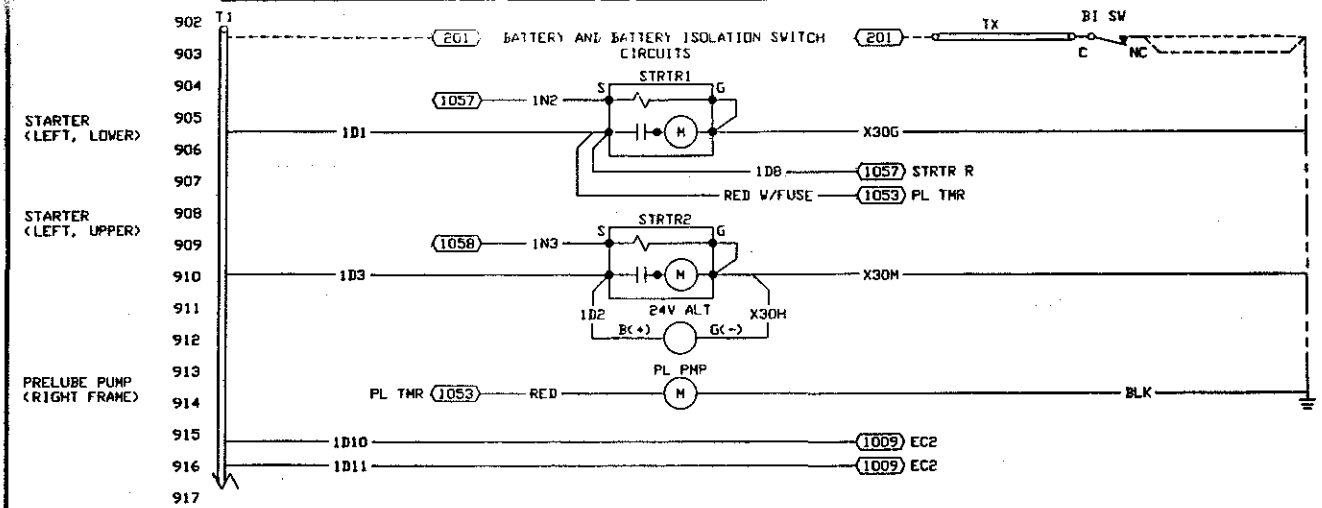
TEREX MINING

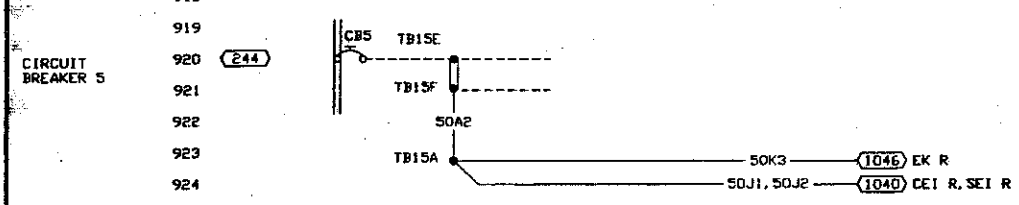
S10327 SHEET 10A OF 10 — ELECTRICAL SCHEMATIC TRUCK 24 VOLT

94831 94577 94336 93250 93244 93224 EIA NO.
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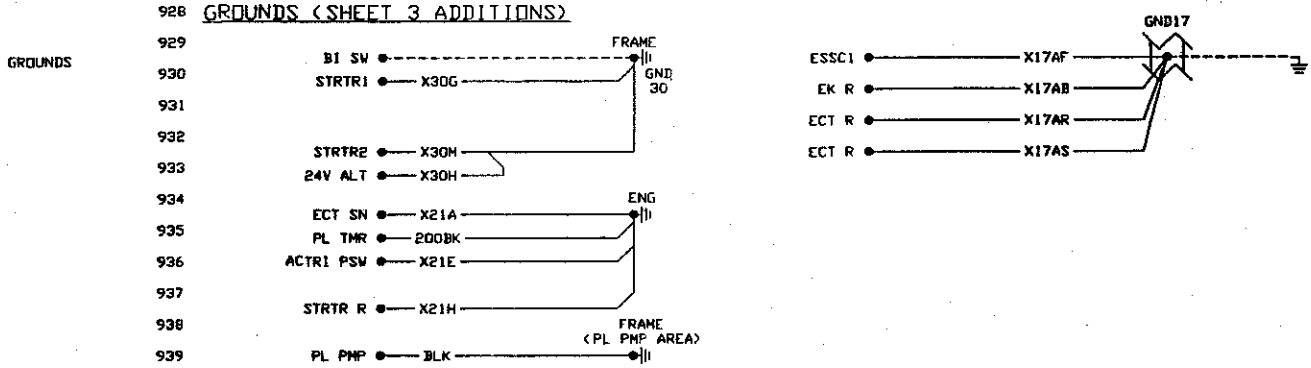
S10327

24V POWER DISTRIBUTION (SHEET 1 ADDITIONS)

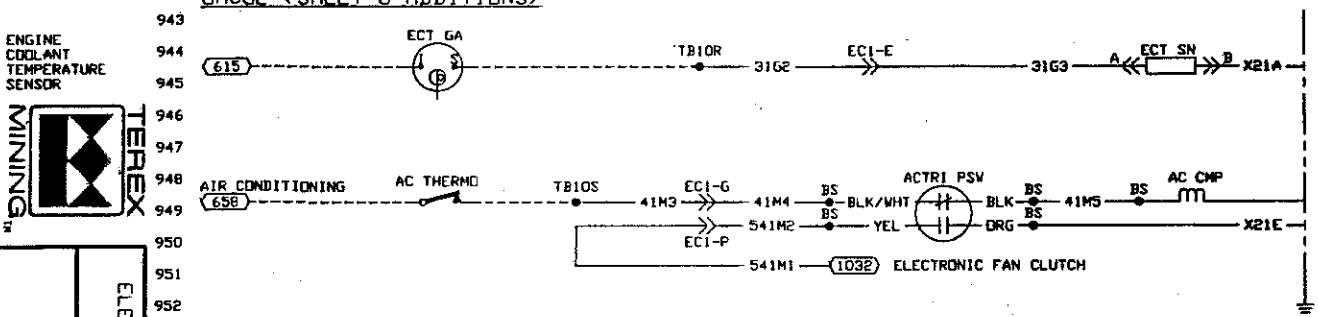




GROUNDS (SHEET 3 ADDITIONS)



GAUGE (SHEET 6 ADDITIONS)



TEREX MINING

ELECTRICAL SCHEMATIC TRUCK 24 VOLT

SHEET 9B OF 10

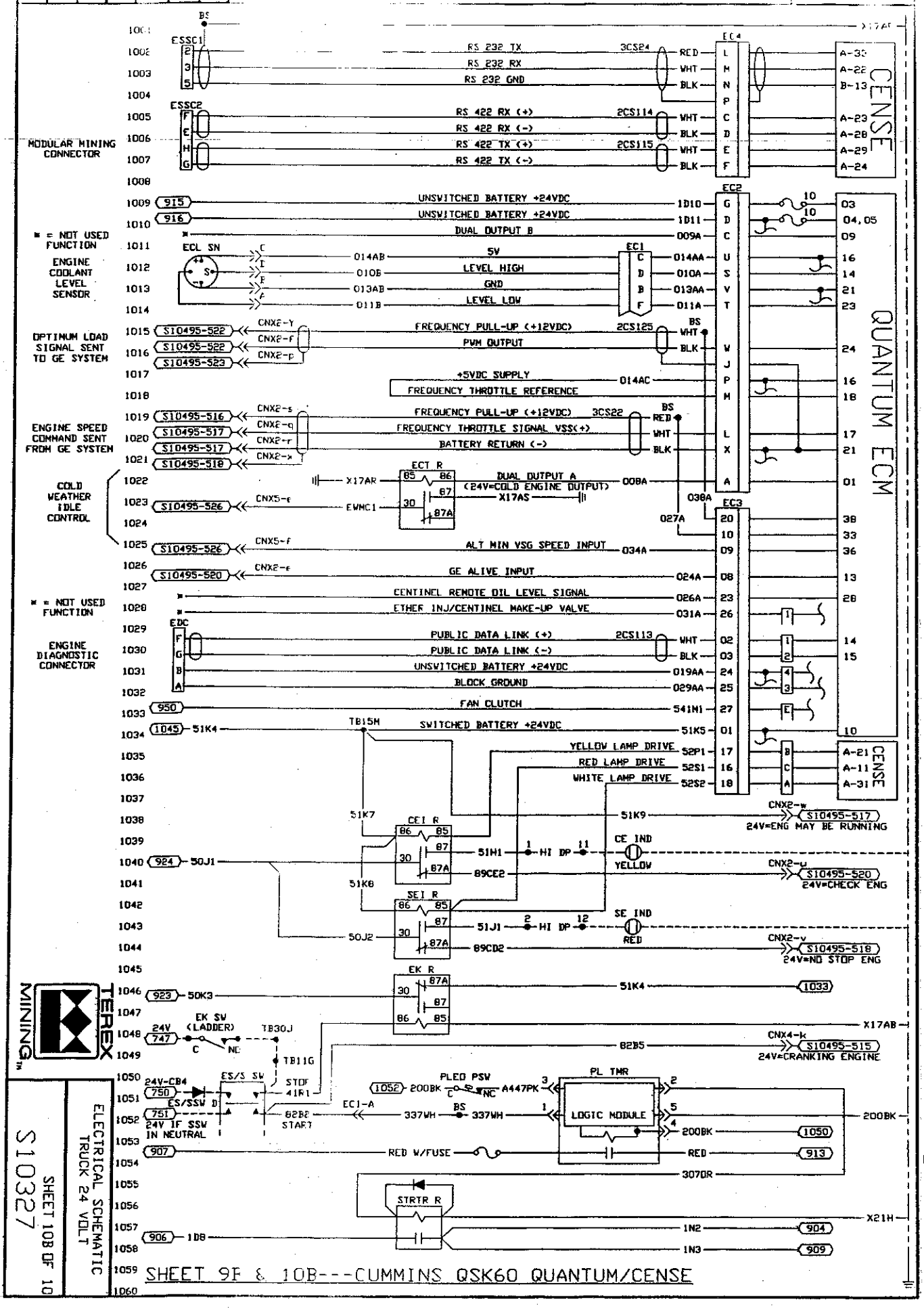
S10327

SHEET 9B & 10B---CUMMINS QSK60 QUANTUM/CENSE

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S1037

FUNCTION	PART NO.
93525	93544
93544	93550
93550	93551
93551	93572
93572	93577
93577	94804
94804	94831



TEREX MINING

ELECTRICAL SCHEMATIC TRUCK 24 VOLT

SHEET 10B OF 10

S10327

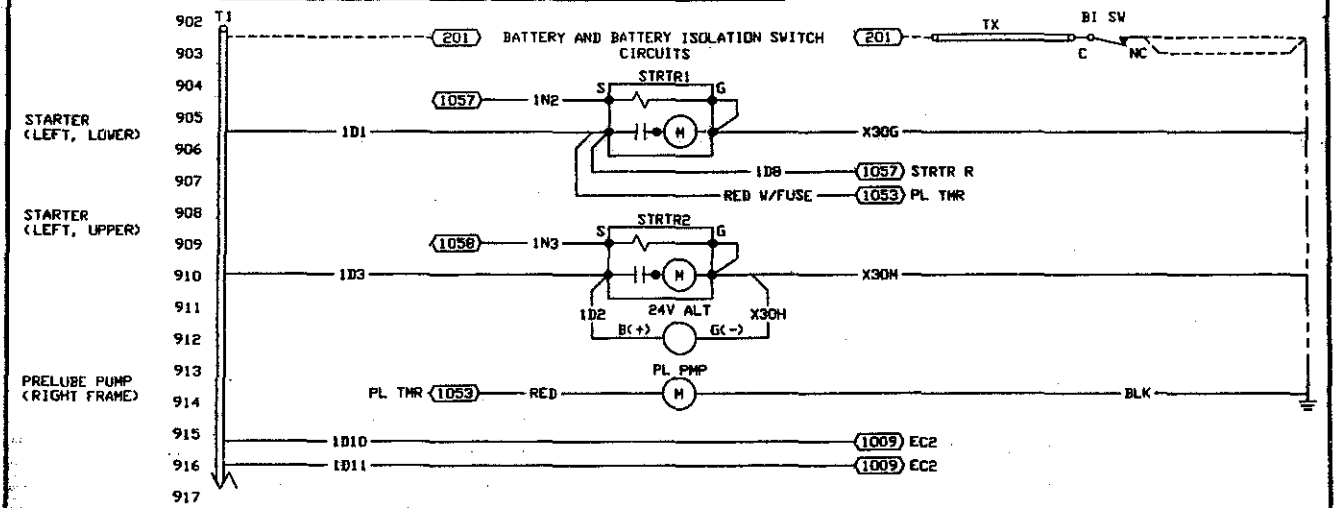
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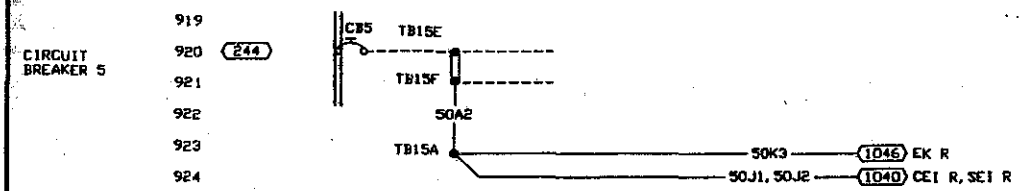
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E.N. NO. 92424 92044 93250 93551 93572 93749 94577 94684 94831

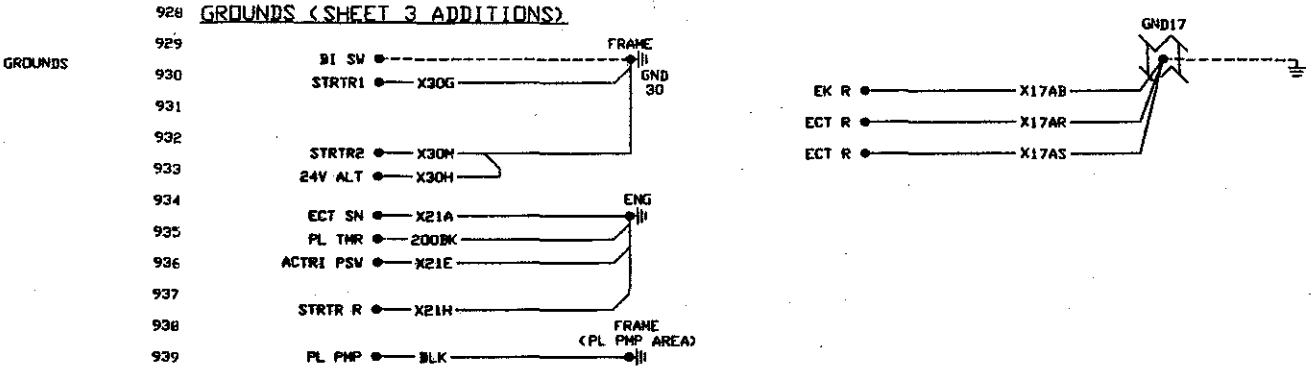
CRC

24V POWER DISTRIBUTION (SHEET 2 ADDITIONS)

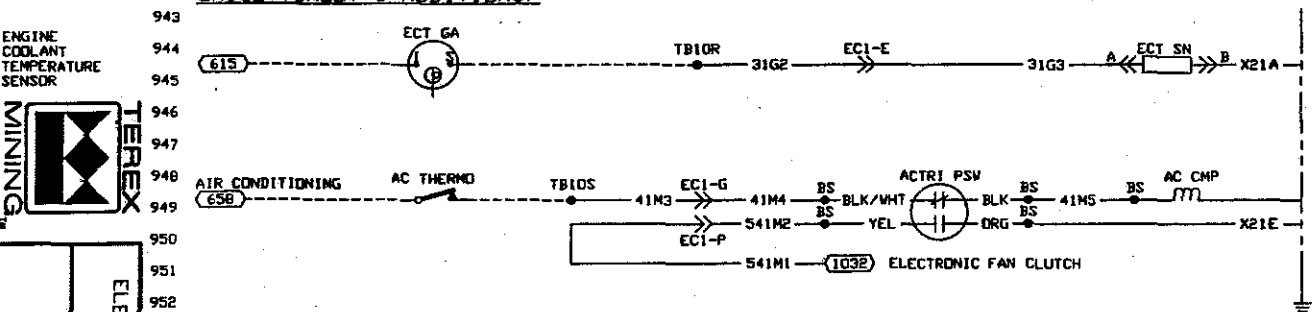




GROUNDS (SHEET 3 ADDITIONS)



GAUGE (SHEET 6 ADDITIONS)



TEREX MINING

ELECTRICAL SCHEMATIC TRUCK 24 VOLT

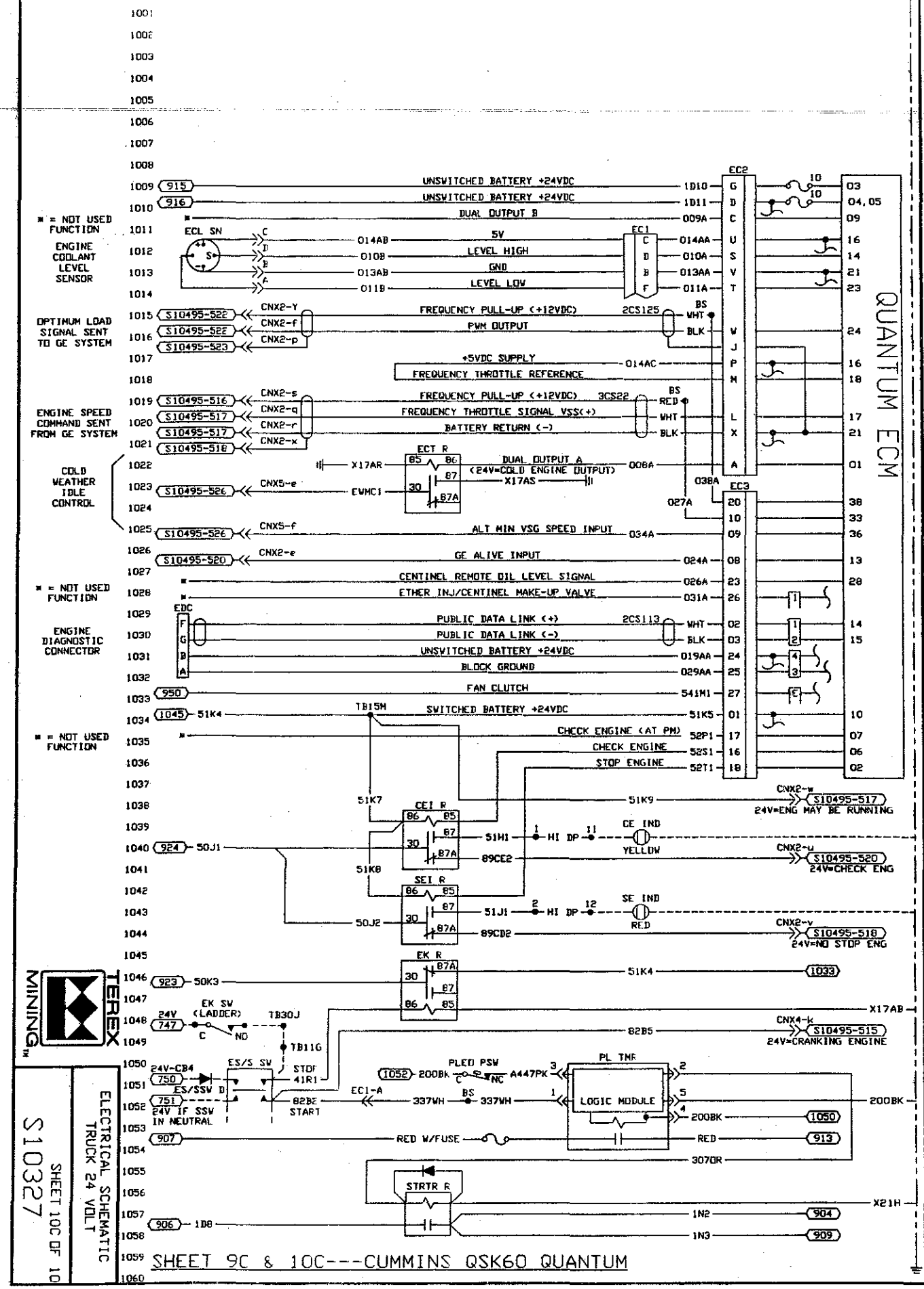
SHEET 9C OF 10

S10327

SHEET 9C & 10C---CUMMINS QSK60 QUANTUM

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SHEET 9C & 10C---CUMMINS QSK60 QUANTUM

ELECTRICAL SCHEMATIC TRUCK 24 VOLT

SHEET 10C OF 10

S10327

E.N. NO. 95553

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RIGHT DATE 10/23/07

S10327AP

NOTES:

THIS DRAWING SHOWS 24V WIRING THAT IS UNIQUE TO A SPECIFIC CUSTOMER ORDER. THE CIRCUITS SHOWN BELOW TAKE PRECEDENCE OVER THE STANDARD CIRCUITS SHOWN ON;

S10327 ELECTRICAL SCHEMATIC, TRUCK 24V

S10495 ELECTRICAL SCHEMATIC, POWER/CONTROL

REFER TO S10327 AND S10495 SHEET 1 FOR GENERAL INFORMATION AND NOTES.

SOME FUNCTIONAL INFORMATION HAS been ADDED TO AID TROUBLESHOOTING AS FOLLOWS;

B+ 24V SUPPLY FROM BATTERY

B+(MS) 24V SUPPLY FROM BATTERY THAT IS CONTROLLED BY THE MASTER SWITCH.

(S10327-201) REFERS TO ANOTHER SCHEMATIC (IE S10327) AND LINE NUMBER (IE -201) WHERE THIS OPTION CONNECTS TO THE STANDARD CIRCUITS. THE LINE NUMBERS WERE ACCURATE WHEN THIS SCHEMATIC WAS RELEASED. FUTURE REVISIONS TO S10327 AND S10495 WILL NOT BE REFLECTED ON THIS SCHEMATIC.

(EXISTING) INDICATES A CONNECTION TO THE STANDARD CIRCUIT SHOWN ON S10327 OR S10495.

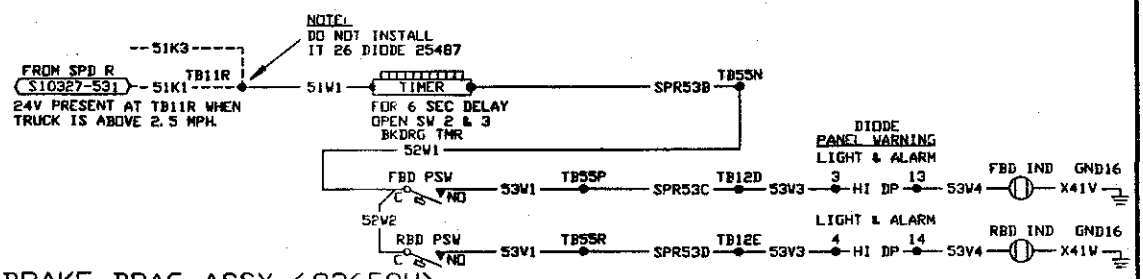
---------- INDICATES A CONNECTION TO THE STANDARD CIRCUIT SHOWN ON S10327 OR S10495.

24V= INDICATES THAT 24V EXISTS WHEN THE CONDITION IS TRUE.

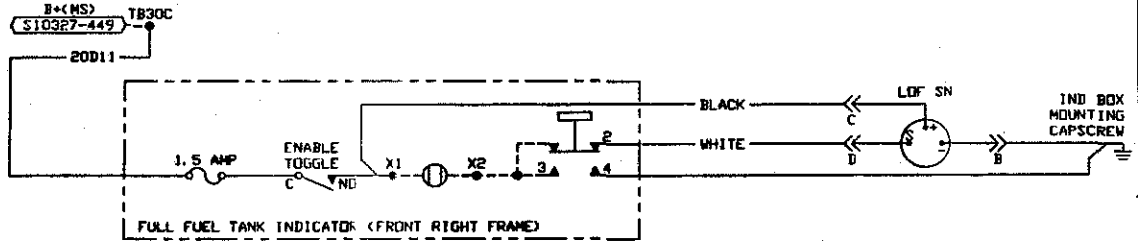
GND= INDICATES THAT A GROUND EXISTS WHEN THE CONDITION IS TRUE.

SPARE WIRES, INCLUDED IN STANDARD HARNESSES, ARE USED AS REQUIRED FOR OPTION/ACCESSORY WIRING AND ARE LOCATED IN THE FOLLOWING AREAS;

SPR30_ CAB TB11 AREA TO TB30 BOX ON S/S SUPPORT
SPR33_ CAB TB11 AREA TO STR MNF AREA OR
STR MNF AREA TO STR MNF AREA
SPR39_ CAB TB11 AREA TO AXLE BOX TB61 AREA
SPR50_ CAB TB11 AREA TO CONTROL GROUP CNX AREA
SPR53_ CAB TB11 AREA TO HYDRAULIC BOX TB55 AREA
SPR20_ CAB TB11 AREA TO ENGINE CONNECTOR
SPR20__ ENGINE CONNECTOR TO AC COMPRESSOR AREA ON ENGINE



BRAKE DRAG ASSY (82650U)



FUEL INDICATOR ASSY (A84391A)

CABALLO, MT4400AC
S/N341-343

TEREX UNIT RIG

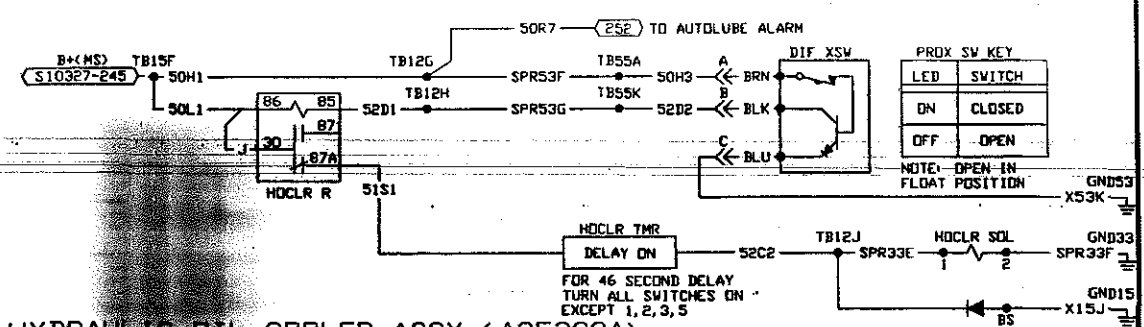
ELECTRICAL SCHEMATIC
TRUCK 24 VOLT - OPTIONS

SHEET 1 OF 2
S10327AP

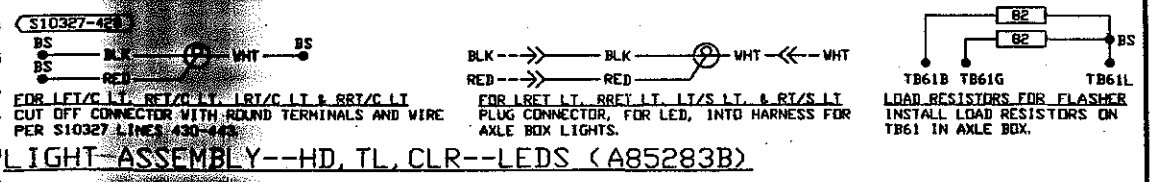
95553

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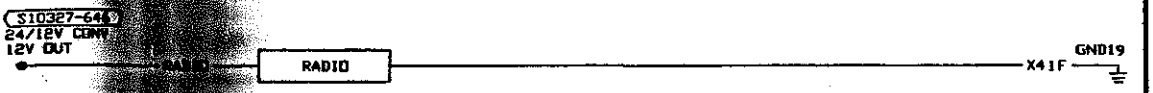
S10327AP



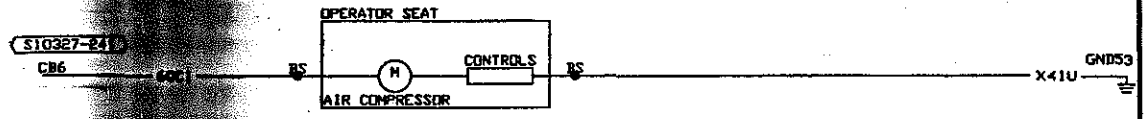
HYDRAULIC OIL COOLER ASSY (A85399A)



LIGHT ASSEMBLY--HD, TL, CLR--LEDS (A85283B)



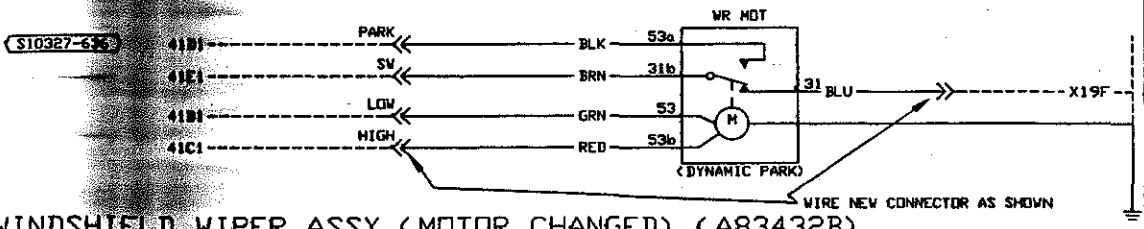
RADIO (A86319C)



SEAT AIR COMPRESSOR (A84563S)

SEE SCHEMATIC S10436

WEIGH SYSTEM ASSEMBLY,
(A83987K, A84233A, 83991A, A84726A, 85722N, 85499H)



WINDSHIELD WIPER ASSY (MOTOR CHANGED) (A83432B)

TEREX UNIT RIG

ELECTRICAL SCHEMATIC
TRUCK 24 VOLT - OPTIONS

SHEET 2 OF 2
S10327AP

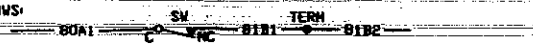
ECN. NO.	92625	92844	93250	93328	93345	93749	94054
REL. DR.	ELLIS						
TECH. APP.	SLF						
DR.	CRC						

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S10495

GENERAL NOTES:

1. THIS SCHEMATIC SHOWS THE CIRCUITRY IN A TRUCK'S AC DRIVE SYSTEM. THE CIRCUIT IS ILLUSTRATED USING SYMBOLS EXPLAINED IN THE FOLLOWING NOTES. THIS DOCUMENT IS FOR TRACING CURRENT FLOW AND TROUBLE SHOOTING.
2. INDIVIDUAL NUMBERS ARE ASSIGNED TO EACH WIRE AND ARE SHOWN AS FOLLOWS:



3. ZONE NUMBERS ARE USED TO LOCATE CIRCUITS AND ARE SHOWN IN THE LEFT HAND MARGIN OF EACH SHEET. THE FIRST ONE OR TWO DIGITS OF THE ZONE NUMBER REFERS TO THE SHEET NUMBER, THE LAST TWO DIGITS ARE THE LINE NUMBERS OF THE CIRCUITS. EXAMPLE: 321 REFERS TO SHEET 3, LINE 21.
4. A CIRCUIT CONTINUATION IS SHOWN BY A ZONE NUMBER IN A HEXAGON.
5. ALL DEVICES ARE SHOWN IN THEIR NORMAL OR DE-ENERGIZED POSITION
6. A COMMON CHASSIS GROUND SYSTEM IS USED. ALL GROUND WIRES BEGIN WITH 'X' AND ARE CONNECTED TO A SPECIFIC GROUND POINT OR A 'NEAREST' GROUND POINT. 'NEAREST' DEFINES THE CLOSEST MOST DEPENDABLE CHASSIS GROUND POINT TO THE COMPONENT.

COMPONENTS:

NAME	DESCRIPTION	LOCATION SCHEMATIC	LOCATION TRUCK
AB PSW	AXLE BOX PRESSURE SWITCH	435	AXLE BOX
ALT	ALTERNATOR	203	ENGINE
BI SW	BATTERY ISOLATION SWITCH	602	FRAME
BM1	BLOWER MOTOR 1 (GRID BOX)	249	S/S
...	CONTROL GROUP	2__-6__	S/S
CB8	CIRCUIT BREAKER 8	622	CAB
CNX_	CONNECTOR-X1 TO X5--CONTROL GROUP	3__-6__	S/S
DBU SW	DUMP BODY UP SWITCH	433	AIR DUCT
DDEC ECM	DDEC ELECTRONIC CONTROL MODULE	502-514	ENGINE
DID	DIAGNOSTIC INFORMATION DISPLAY	410	CAB
ESS	ENGINE SPEED SENSOR	305	ALT
M SW	MASTER SWITCH	612	CAB
PSSC1	PROPULSION SYSTEM SERIAL CONNECTOR 1	403	CAB
PSSC2	PROPULSION SYSTEM SERIAL CONNECTOR 2	407	CAB
RG__	RETARDING GRIDS	245	S/S
RTN18	RETURN BUS (GROUND)-SHIFTER CONSOLE	646	CAB
SS1	SPEED SENSOR 1-LEFT REAR MOTOR	311	AXLE BOX
SS2	SPEED SENSOR 2-RIGHT REAR MOTOR	319	AXLE BOX
SS3	SPEED SENSOR 3-LEFT FRONT WHEEL	328	FRONT AXLE
SS4	SPEED SENSOR 4-RIGHT FRONT WHEEL	335	FRONT AXLE
TB18	TERMINAL BOARD 18--SHIFTER CONSOLE	631	CAB
TB61	TERMINAL BOARD 61	656	AXLE BOX
TM1	TRACTION MOTOR 1 (LEFT)	254	AXLE BOX
TM2	TRACTION MOTOR 2 (RIGHT)	254	AXLE BOX

- MOTOR ARMATURE
- DIODE
- COIL OR WINDINGS
- LIGHT
- TB1A — TERMINAL CONNECTION (WITH TERM DESIGNATION)
- BS — BUTT SPLICE OR BOLT CONNECTION
- BUSSED TERMINAL
- CONNECTOR (S-SOCKET, P-PIN)
- RESISTOR
- RHEOSTAT OR ADJUSTED OR VARIABLE RESISTOR
- INDICATOR LIGHT
- BATTERY
- GROUND
- RELAY COIL OR SOLENOID
- CERAMIC STANDOFF
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- NO, C, NC — C=COMMON
- SOLENOID CONTACTS
- PUSH BUTTON, OR MOMENTARY SWITCH
- C, NC — NORMALLY CLOSED SWITCH
- C, NO — NORMALLY OPEN SWITCH
- C, NC, NO — DOUBLE THROW SWITCH
- C, 1, 2, 3 — 3 POSITION SWITCH
- C, NO — PRESSURE SWITCH
- C, NO — MECHANICALLY ACTUATED SWITCH
- C, NC — TEMPERATURE SWITCH
- CIRCUIT BREAKER
- SHIELDED CABLE

TEREX MINING

REFERENCE:

1. SEE GE SCHEMATIC 04B517750 FOR GTO CONTROL GROUP INTERNAL WIRING. SEE GE SCHEMATIC 04B522336 FOR IGBT CONTROL GROUP INTERNAL WIRING.
2. THE CNX_ CONNECTORS PROVIDE THE EASIEST CONNECTION BETWEEN THIS SCHEMATIC AND THE GE SCHEMATIC. SEE SHEET 7 FOR 'CNX_ CONNECTOR CROSS REFERENCE' ON THIS SCHEMATIC. SEE SHEET 70 THROUGH 74 FOR 'CNX_ CONNECTOR CHARTS' ON GE SCHEMATIC.

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6	POWER SUPPLIES---24V, +15V, -15V, 10V, 5V
7	CNX_ CONNECTOR CROSS REFERENCE

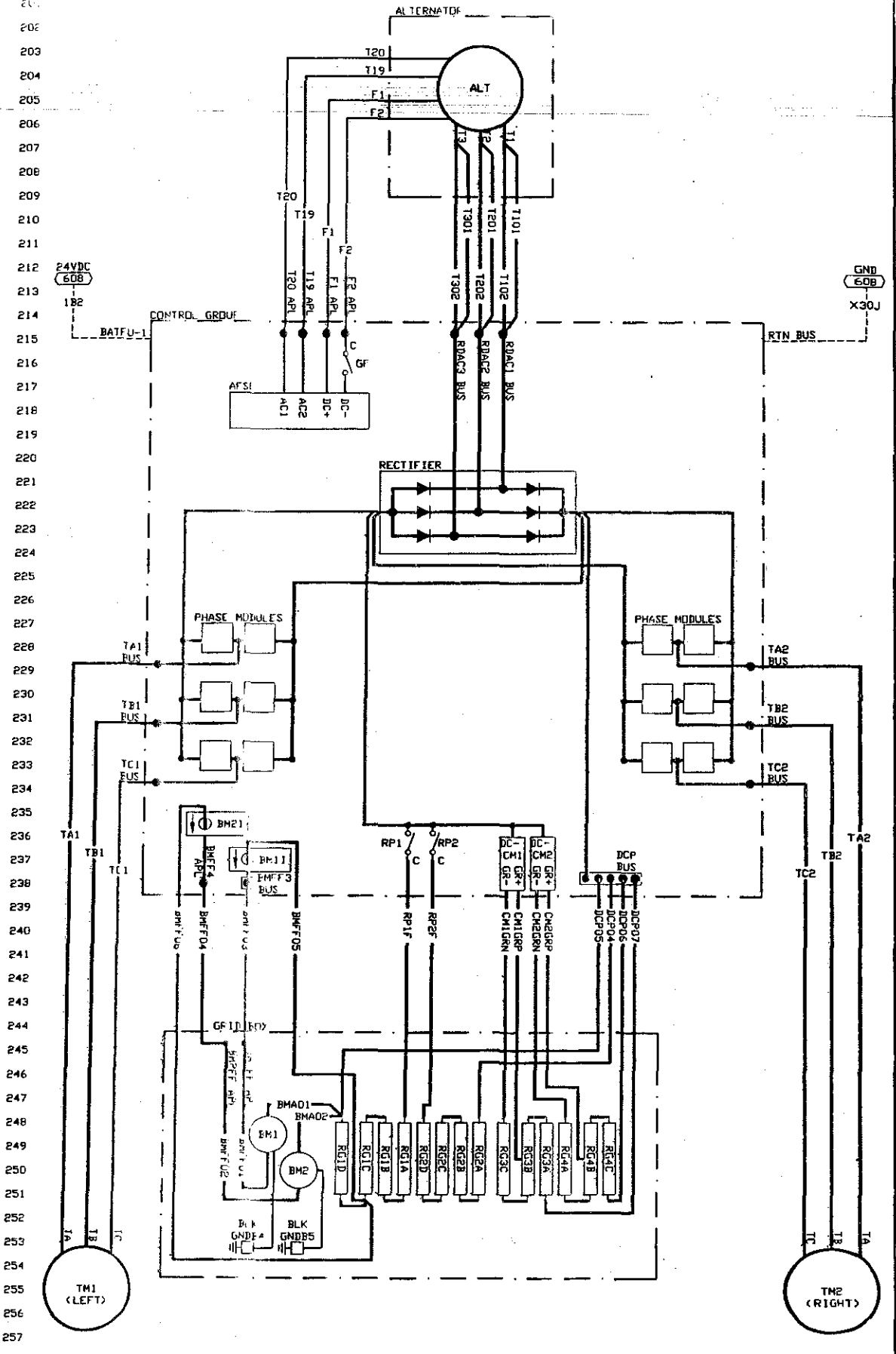
NOTES AND REFERENCE DATA

MT4400 AC DRIVE SYSTEM

ELECTRICAL SCHEMATIC POWER / CONTROL

S10495 SHEET 1 OF 7

S104S5



TEREX MINING

ELECTRICAL SCHEMATIC
POWER / CONTROL

SHEET 2A OF 7
S10495

POWER CIRCUITS W/GTC CONTROL GROUP (NON CNX_ CONNECTIONS)

ECN NO.	
92625	
92844	
93250	
93328	
93445	
93749	

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S1049

INPUT | CONTROL GROUP | OUTPUT OF COMMUNICATION

TRUCKS/HARNESSES BUILT PRIOR TO 08-03 HAVE NO BS CONNECTION

ALTERNATOR MODULE (ALT)

ENG SPEED SENSOR (ESS)
ESS-B — REF — 2CS20 — WHT — CNX1-s
ESS-A — COM — BLK — CNX1-x
CNX1-w

TRACTION MOTOR 1 (TM1)

SPEED SENSOR 1 (TMSS1)
TMSS1-B — COM — 6CS01 — WHT — CNX1-A
TMSS1-A — +15V — BLK — CNX1-B
TMSS1-D — VE — WHT — CNX1-C
TMSS1-F — $\overline{VE}$ — RED — CNX1-D
TMSS1-C — V1 — WHT — CNX1-E
TMSS1-E — $\overline{V1}$ — BRN — CNX1-F
TMSS1-G — CNX1-G

TRACTION MOTOR 2 (TM2)

SPEED SENSOR 2 (TMSS2)
TMSS2-B — COM — 6CS02 — WHT — CNX1-J
TMSS2-A — +15V — BLK — CNX1-K
TMSS2-D — VE — WHT — CNX1-n
TMSS2-F — $\overline{VE}$ — RED — CNX1-n
TMSS2-C — V1 — WHT — CNX1-p
TMSS2-E — $\overline{V1}$ — BRN — CNX1-q
TMSS2-G — CNX1-r

FRONT LEFT WHEEL

SPEED SENSOR 3 (SS3) 380 PULSES PER REV
SS3-B — COM — 6CS03 — WHT — CNX1-H
SS3-A — +15V — BLK — CNX1-J
SS3-D — VE — WHT — CNX1-K
SS3-F — $\overline{VE}$ — RED — CNX1-L
SS3-C — V1 — WHT — CNX1-M
SS3-E — $\overline{V1}$ — BRN — CNX1-N
CNX1-O

FRONT RIGHT WHEEL

SPEED SENSOR 4 (SS4) 380 PULSES PER REV
SS4-B — COM — 6CS04 — WHT — CNX1-P
SS4-A — +15V — BLK — CNX1-Q
SS4-D — VE — WHT — CNX1-R
SS4-F — $\overline{VE}$ — RED — CNX1-S
SS4-C — V1 — WHT — CNX1-T
SS4-E — $\overline{V1}$ — BRN — CNX1-U
CNX1-V

TEREX MINING

ELECTRICAL SCHEMATIC POWER / CONTROL

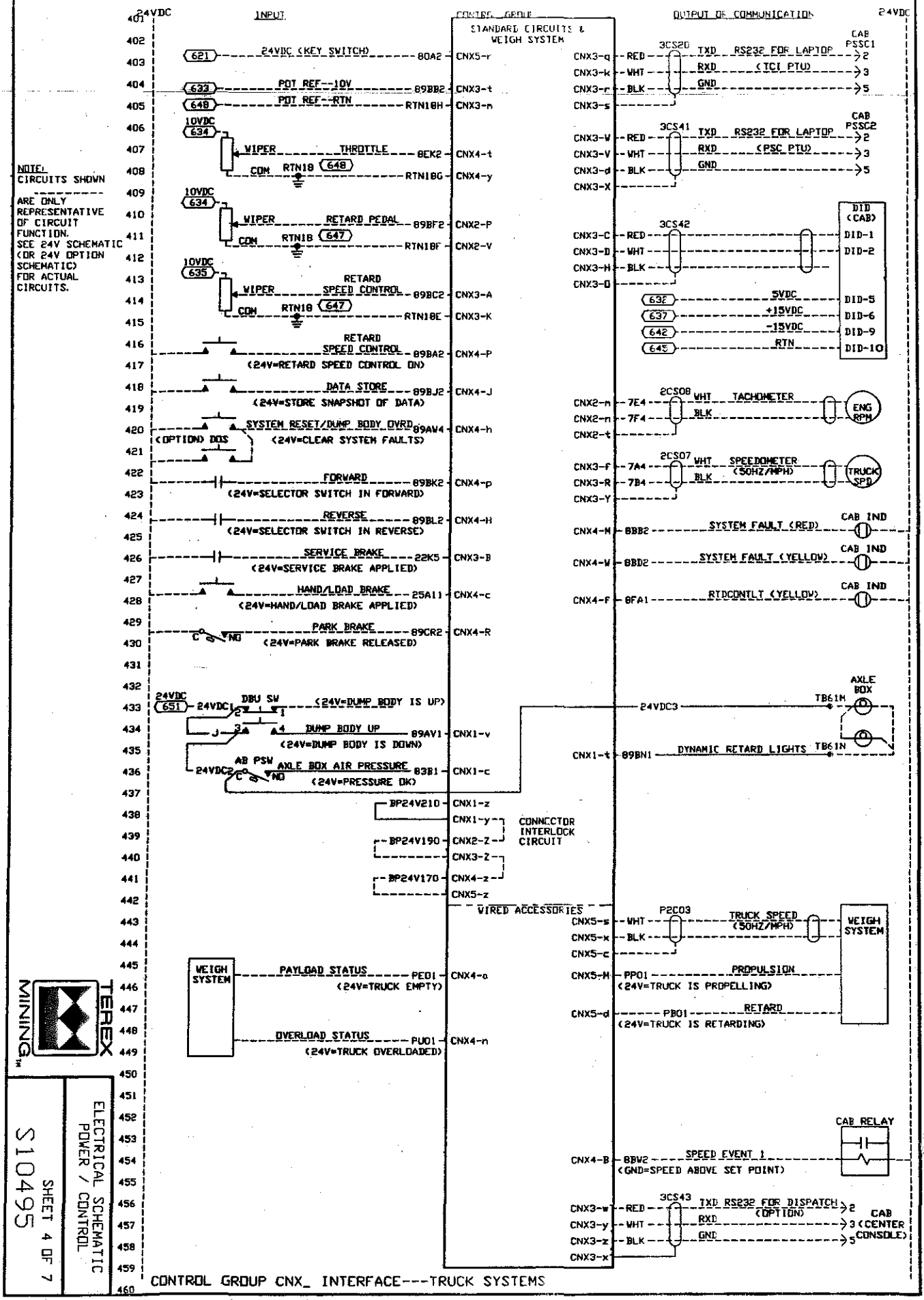
SHEET 3 OF 7
S10495

CONTROL GROUP CNX_ INTERFACE---SPEED SENSORS

ECN NO.	92644	93328	93445	93749	94054	REL CK	DSG APP	CRC

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ECN NO.	92625	92844	93250	93328	93445	93749	94054	REC'D	ENG APP.	DR. CRC

S10495

NOTE:
CIRCUITS SHOWN AS ---------- ARE ONLY REPRESENTATIVE OF CIRCUIT FUNCTION. SEE 24V SCHEMATIC (OR 24V OPTION SCHEMATIC) FOR ACTUAL CIRCUITS.

24VDC — INPUT — CONTROL GROUP — OUTPUT OR COMMUNICATION — 24VDC

ENGINE CIRCUITS

DDEC

CRANKING ENGINE/ENG START REQUEST (24V=CRANKING ENG) — 82B5 — CNX4-k
ENGINE RUNNING/ENG RUN ENABLE (24V=ENG MAY BE RUNNING) — 439M7 — CNX2-w
STOP ENGINE WARNING (24V=NO STOP ENGINE) — 89CD2 — CNX2-v
CHECK ENGINE CAUTION (24V=NO CHECK ENGINE) — 89CE2 — CNX2-u

DDEC ECM
PWM OPTIMUM LOAD SIGNAL — 908M — WHT SIG — 2CS125 — 908M1 — CNX2-Y
953 — BLK GND — 9535 — CNX2-f
CNX2-p
COLD ENGINE — 563M — (GND=COLD ENGINE) — 563M1 — CNX5-e

LOGIC FOR ALT. MIN VSG
COLD ENGINE
WINTER SWITCH
NEUTRAL
PARK BRAKE
NOT IN SELF TEST
LOGIC — CNX5-f — 542M1 — ALT. MIN VSG (GND=COLD WEATHER IDLE) — 542M

ENG RPM — CNX2-q — 556M1 — 2CS111 — WHT FREQ — 556
CNX2-c — 9533 — BLK GND — 953
CNX2-x

DDEC ECM

QSK60

CRANKING ENGINE/ENG START REQUEST (24V=CRANKING ENG) — 82B5 — CNX4-k
ENGINE RUNNING/ENG RUN ENABLE (24V=ENG MAY BE RUNNING) — 51K9 — CNX2-w
STOP ENGINE WARNING (24V=NO STOP ENGINE) — 89CD2 — CNX2-v
CHECK ENGINE CAUTION (24V=NO CHECK ENGINE) — 89CE2 — CNX2-u

QUANTUM ECM
PWM OPTIMUM LOAD SIGNAL — 838 — WHT 12VDC — 2CS125 — CNX2-Y
824 — BLK SIG — CNX2-f
821 — CNX2-p
COLD ENGINE — 801 — ECT R — 86 85 87 87A 30 — EVMC1 — (GND=COLD ENGINE)

LOGIC FOR ALT. MIN VSG
COLD ENGINE
WINTER SWITCH
NEUTRAL
PARK BRAKE
NOT IN SELF TEST
LOGIC — CNX5-f — 034A — ALT. MIN VSG (GND=COLD WEATHER IDLE) — B36

NOTE:
FOR LOAD SIGNAL TO FUNCTION PROPERLY, WIRE P24VDC47 MUST BE DISCONNECTED FROM TB3-H IN CONTROL GROUP, AND INSULATED.

CNX2-s — 3CS22 — RED 12VDC — B33
CNX2-q — WHT FREQ — B17
ENG RPM — CNX2-r — BLK GND — B21
CNX2-x
CNX2-e — 024A — GE ALIVE (GND=GE SYSTEM RUNNING) — B13

QUANTUM ECM

FUTURE ENGINE OPTION

FUTURE ACCESSORIES

636 — WIPER — RETARD LEVER — CNX2-S
CBN — CNX2-T

ENG SPEED LIMIT (24V=LIMIT SPEED) — CNX2-c
HI IDLE (24V=HIGH IDLE) — CNX2-y

CNX4-L — SPEED EVENT 2 (GND=SPEED ABOVE SET POINT) — CAB RELAY
CNX2-a — FORWARD DIRECTION — CAB IND
CNX2-b — REVERSE DIRECTION — CAB IND
CNX4-G — RETARD — CAB IND
CNX4-Y — LINKONTLT — CAB IND
CNX4-F — REDUCELT — CAB IND
CNX4-N — PSCNOTRDY — CAB IND
CNX4-T — RESTLT — CAB IND

CONTROL GROUP CNX_ INTERFACE---ENGINE & FUTURE ACCESSORIES

TEREX MINING

ELECTRICAL SCHEMATIC POWER / CONTROL

SHEET 5 OF 7

S10495

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S10495

24VDC SUPPLY

BATTERIES

BATTERY ISOLATION SWITCH

A1 BATT + A2 BATT + B1 BATT + B2 BATT + C1 BATT + C2 BATT +

T1 — TX — B1 SW (C / NC) — GND30

ENGINE UNIQUE CIRCUITS

1B2 — (212) 24V UNSWITCHED (212) — X30J — FRAME

MISC TRUCK CIRCUITS SEE 24V SCHEMATIC

MASTER SWITCH — M SW

MISC TRUCK CIRCUITS SEE 24V SCHEMATIC

CB9

MISC TRUCK CIRCUITS SEE 24V SCHEMATIC

80A2 — (402) KEY SWITCH

CB8

MISC TRUCK CIRCUITS SEE 24V SCHEMATIC

NOTE: CIRCUITS SHOWN AS _____ ARE ONLY REPRESENTATIVE OF CIRCUIT FUNCTION. SEE 24V SCHEMATIC (OR 24V OPTION SCHEMATIC) FOR ACTUAL CIRCUITS.

CONTROL GROUP — OUTPUT

2CS118	CNX2-A WHT	5VDC	
	CNX2-B BLK	RTN	
2CS119	CNX2-C WHT	5VDC	(413) DID-5
	CNX2-D BLK	RTN	
2CS120	CNX2-E WHT	5VDC	10VDC: (404) POT REF, (406) THROTTLE, (409) RETARD PEDAL, (412) RETARD SPEED CONT., (543) RETARD LEVER
	CNX2-F BLK	RTN	
2CS121	CNX2-G WHT	+15VDC	(414) DID-6
	CNX2-H BLK	RTN	
2CS122	CNX2-J WHT	+15VDC	
	CNX2-K BLK	RTN	
2CS123	CNX2-L WHT	-15VDC	(415) DID-9
	CNX2-M BLK	RTN	

TB18 (IN CAB SHIFTER CONSOLE)

RTN18 (IN CAB SHIFTER CONSOLE) — (416) DID-10

RSC REF (414) — RTN18E (414) RSC REF
RP REF (411) — RTN18F (411) RP REF
TP REF (408) — RTN18G (408) TP REF
RTN18H (405) POT REF

CNX1-h — 24VDC1 — 24VDC

DBU SW-2 (433)
DBU SW-3
24VDC2
AB PSW-C
24VDC3
TB61M

TEREX MINING

ELECTRICAL SCHEMATIC
POWER / CONTROL

SHEET 6 OF 7
S10495

POWER SUPPLIES---24V, +15V, -15V, 10V, 5V

E.N. NO.	
92625	
92844	
93250	
93328	
93445	
93749	
94054	

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NOTES:

CNX1 TO CNX5 ARE LOCATED BEHIND THE LOW VOLTAGE COMPARTMENT OF THE "CONTROL GROUP" ABOVE THE AIR DUCT.

\- NOT WIRED ON GE OR UR SIDE
* NOT WIRED ON UR SIDE
** WIRED ON UR SIDE AS OPTION ONLY

1d ANALOG INPUT (SPARE)
1Z FREQUENCY INPUT (SPARE)

2Q ANALOG INPUT (HYD BRAKE FLUID TEMP)
2U SHEILD CONNECTION WHERE WE USED SINGLE CONDUCTOR WIRE
2g PWM INPUT (REF VOLTAGE NOT USED)
2h ANALOG INPUT (ENGINE LOAD SIG NOT USED)
2q WIRE # 2CS111 OR 3CS22
2w WIRE # 439M7 OR 51K9

3E ANALOG INPUT (SPARE)
3G DIGITAL INPUT (SPARE)
3J SHEILD CONNECTION WHERE WE USED SINGLE CONDUCTOR WIRE
3P DIGITAL INPUT (RESERVED)
3T ANALOG OUTPUT (SPARE)
3U ANALOG OUTPUT (HYD TEMP)
3e 24V SUPPLY (SPARE)
3h ANALOG OUTPUT (PROPULSION SYS TEMP)
3p ANALOG OUTPUT (SPARE)

4A DIGITAL OUTPUT (CRANK BATTERY)
4C DIGITAL OUTPUT (BATTERY SEP RELAY)
4D DIGITAL OUTPUT (NO PROPULSION)
4E DIGITAL OUTPUT (CRANK ENGINE)
4K DIGITAL INPUT (PARK BRAKE REQUEST)
4Q DIGITAL INPUT (REST REQUEST)
4S DIGITAL OUTPUT (REVERSE MODE)
4X DIGITAL OUTPUT (HYDRHOTLT)
4Z DIGITAL OUTPUT (PROP SYS OVER TEMP)
4d DIGITAL INPUT (TRUCK 70% LOADED)
4e DIGITAL OUTPUT (PARK BRAKE SOL)
4g DIGITAL INPUT (LAMP TEST)
4q FREQUENCY INPUT (SPARE)
4u SHEILD CONNECTION WHERE WE USED SINGLE CONDUCTOR WIRE
4v ANALOG INPUT (CRANK BATTERY)

5B DIGITAL INPUT (SPARE)
5C DIGITAL INPUT (SPARE)
5D DIGITAL OUTPUT (SPARE)
5F DIGITAL OUTPUT (SPARE)
5H ANALOG INPUT (SPARE)
5N STATUS (CONTROL POWER ON)
5Q ANALOG INPUT (SPARE)
5R ANALOG INPUT (SPARE)
5U ANALOG INPUT (SPARE)
5X ANALOG INPUT (SPARE)
5a DIGITAL INPUT (SPARE)
5b DIGITAL INPUT (SPARE)
5e WIRE # 563M1 OR EWNC1
5f WIRE # 542M1 OR 034A
5g DIGITAL OUTPUT (SPARE)
5J DIGITAL OUTPUT (SPARE)
5m DIGITAL OUTPUT (SET ENG SPEED)
5q STATUS (CONTROL POWER SWITCH ON)
5u SERIAL PORT (SPARE)

CNX1

PIN	WIRE #	LINE #	PIN	WIRE #	LINE #
A	6CS01	310	a	NOTE 1Z	*
B	6CS01	310	b	NOTE 1Z	*
C	6CS01	310	c	83B1	436
D	6CS01	310	d	NOTE 1d	*
E	6CS01	310	e	NOTE 1d	*
F	6CS01	310	f	NOTE 1d	*
G	6CS01	310	g	NOTE 1d	*
H	6CS03	327	h	24VDC1	650
J	6CS03	327	j	6CS02	318
K	6CS03	327	k	6CS02	318
L	6CS03	327	m	6CS02	318
M	6CS03	327	n	6CS02	318
N	6CS03	327	p	6CS02	318
Q	6CS03	327	q	6CS02	318
P	6CS04	334	r	6CS02	318
Q	6CS04	334	s	2CS20	304
R	6CS04	334	t	89BN1	435
S	6CS04	334	u	-	-
T	6CS04	334	v	89AV1	433
U	6CS04	334	w	2CS20	304
V	6CS04	334	x	2CS20	304
W	-	-	y	BP24V210	439
X	-	-	z	BP24V210	438
Y	-	-			
Z	NOTE 1Z	*			

CNX2

PIN	WIRE #	LINE #	PIN	WIRE #	LINE #
A	2CS118	630	a	**	546
B	2CS118	630	b	**	548
C	2CS119	638	c	**	548
D	2CS119	638	d	-	-
E	2CS120	634	e	024A	520
F	2CS120	634	f	2CS125	509/522
G	2CS121	637	g	NOTE 2g	*
H	2CS121	637	h	NOTE 2h	*
J	2CS122	635	j	NOTE 2h	*
K	2CS122	635	k	NOTE 2h	*
L	2CS123	642	m	2CS08	419
M	2CS123	642	n	2CS08	419
N	-	-	p	2CS125	509/522
Q	-	-	q	NOTE 2q	503/516
P	89BT2	410	r	NOTE 2q	503/516
Q	NOTE 2Q	*	s	3CS22	516
R	NOTE 2Q	*	t	2CS08	420
S	**	544	u	89CE2	507/520
T	**	545	v	89CD2	505/518
U	NOTE 2U	*	w	NOTE 2w	504/517
V	RTN18F	411	x	NOTE 2q	503/516
W	NOTE 2U	*	y	**	549
X	NOTE 2Q	*	z	-	-
Y	2CS125	509/522			
Z	BP24V190	440			

CNX3

PIN	WIRE #	LINE #	PIN	WIRE #	LINE #
A	89BC2	413	a	NOTE 3T	*
B	22K5	426	b	NOTE 3T	*
C	3CS42	410	c	NOTE 3U	*
D	3CS42	410	d	3CS41	406
E	NOTE 3E	*	e	NOTE 3e	*
F	-	-	f	2CS07	422
G	NOTE 3G	*	g	-	-
H	3CS42	410	h	NOTE 3h	*
J	NOTE 3J	*	j	NOTE 3h	*
K	RTN18E	414	k	3CS20	402
L	NOTE 3E	*	m	RTN18H	405
M	-	-	n	NOTE 3J	*
N	-	-	p	NOTE 3p	*
Q	3CS42	410	q	3CS20	402
P	NOTE 3P	*	r	3CS20	402
Q	-	-	s	3CS20	402
R	2CS07	422	t	89BB2	404
S	NOTE 3E	*	u	NOTE 3p	*
T	NOTE 3T	*	v	NOTE 3p	*
U	NOTE 3U	*	w	3CS43	456
V	3CS41	406	x	3CS43	456
W	3CS41	406	y	3CS43	456
X	3CS41	406	z	3CS43	456
Y	2CS07	424			
Z	BP24V190	423			

CNX4

PIN	WIRE #	LINE #	PIN	WIRE #	LINE #
A	NOTE 4A	*	a	PE01	445
B	88W2	453	b	-	-
C	NOTE 4C	*	c	25A11	427
D	NOTE 4D	*	d	NOTE 4d	*
E	NOTE 4E	*	e	NOTE 4e	*
F	**	552	f	8FA1	428
G	**	549	g	NOTE 4g	*
H	89BL2	424	h	89AW4	420
J	89BJ2	418	j	-	-
K	NOTE 4K	*	k	82B5	502/515
L	**	544	m	-	-
M	88B2	424	n	PE01	448
N	**	554	p	89BK2	422
Q	NOTE 4Q	*	q	NOTE 4q	*
P	89BA2	416	r	NOTE 4q	*
Q	-	-	s	NOTE 4q	*
R	89CR2	429	t	8EK2	407
S	NOTE 4S	*	u	NOTE 4u	*
T	**	555	v	NOTE 4v	*
U	-	-	w	NOTE 4v	*
V	-	-	x	NOTE 4v	*
W	88D2	426	y	RTN18G	408
X	NOTE 4X	*	z	BP24V170	442
Y	**	551			
Z	NOTE 4Z	*			

CNX5

PIN	WIRE #	LINE #	PIN	WIRE #	LINE #
A	-	-	a	NOTE 5a	*
B	NOTE 5B	*	b	NOTE 5b	*
C	NOTE 5C	*	c	P2CD3	445
D	NOTE 5D	*	d	PB01	449
E	NOTE 5D	*	e	NOTE 5e	512/526
F	NOTE 5F	*	f	NOTE 5f	512/526
G	NOTE 5F	*	g	NOTE 5g	*
H	NOTE 5H	*	h	NOTE 5g	*
J	NOTE 5H	*	j	NOTE 5J	*
K	NOTE 5H	*	k	NOTE 5J	*
L	-	-	m	NOTE 5m	*
M	PP01	448	n	NOTE 5m	*
N	NOTE 5N	*	p	-	-
Q	NOTE 5Q	*	q	NOTE 5q	*
P	NOTE 5Q	*	r	80A2	402
Q	NOTE 5Q	*	s	P2CD3	445
R	NOTE 5R	*	t	-	-
S	NOTE 5R	*	u	NOTE 5u	*
T	NOTE 5R	*	v	NOTE 5u	*
U	NOTE 5U	*	w	NOTE 5u	*
V	NOTE 5U	*	x	P2CD3	445
W	NOTE 5U	*	y	NOTE 5u	*
X	NOTE 5X	*	z	BP24V170	442
Y	NOTE 5X	*			
Z	NOTE 5X	*			

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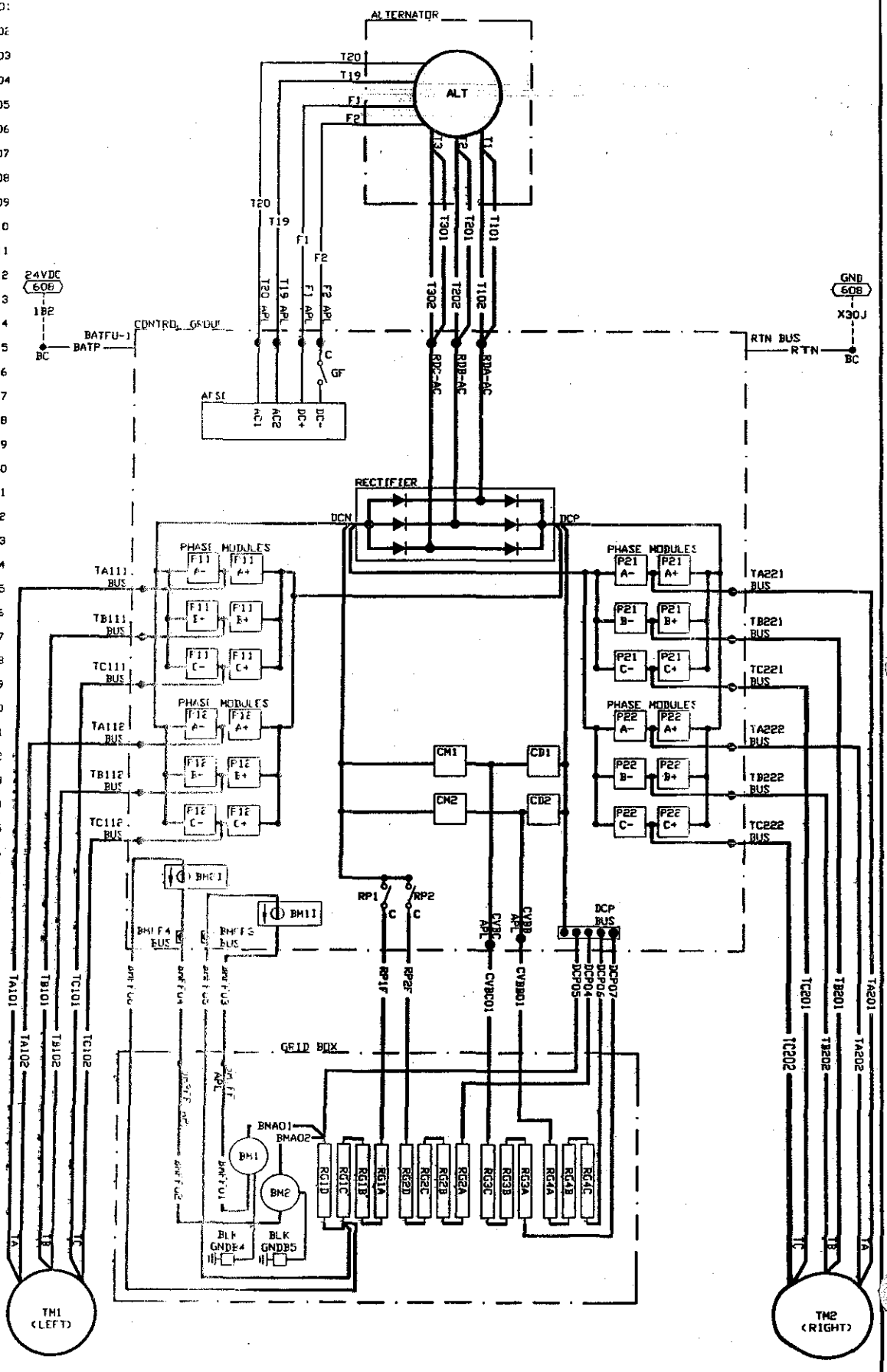
ELECTRICAL SCHEMATIC
POWER / CONTROL

S10495 SHEET 7 OF 7

CNX_ CONNECTOR CROSS REFERENCE

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ELECTRICAL SCHEMATIC
POWER / CONTROL

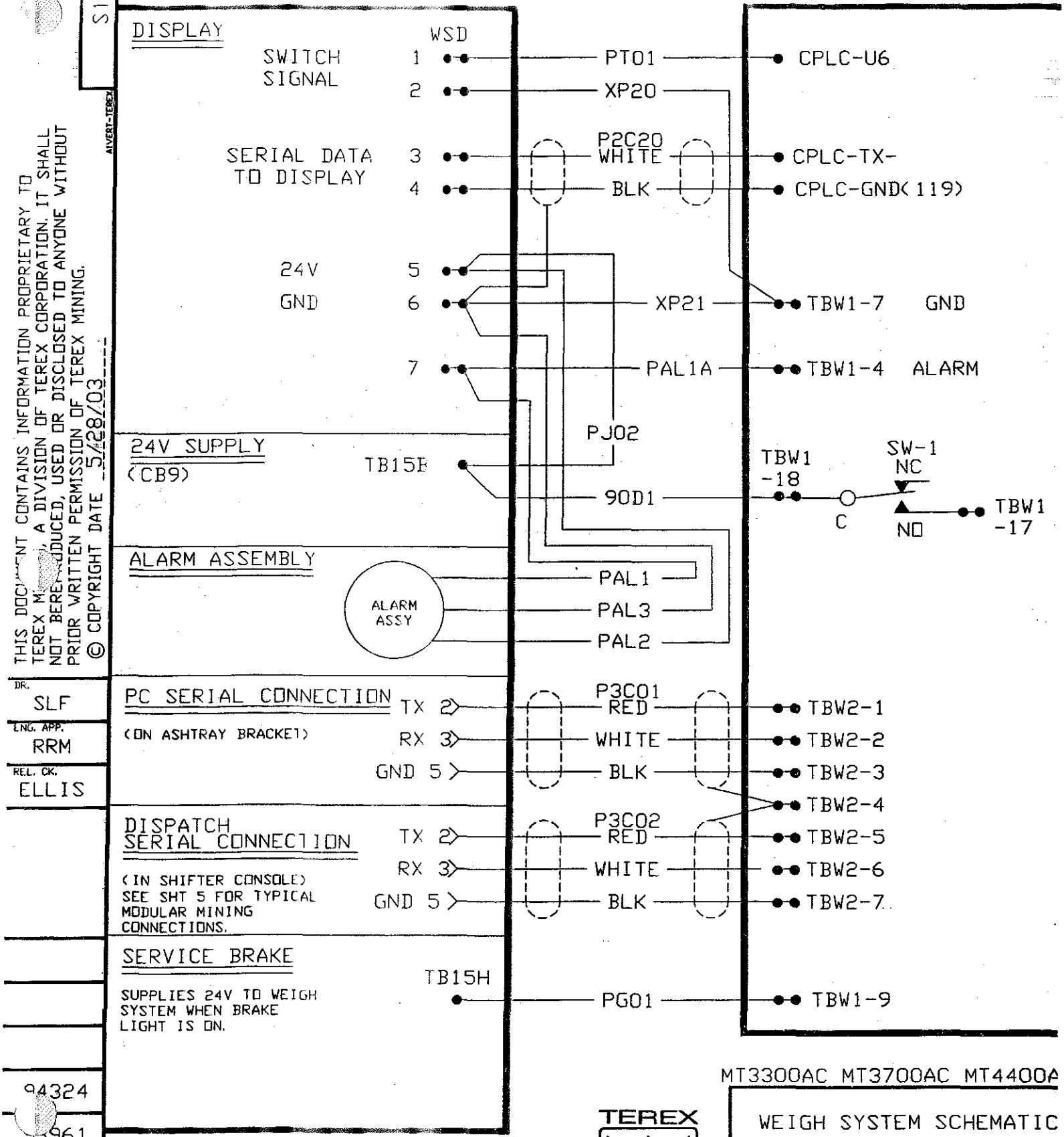
SHEET 2B OF 7
S10495

POWER CIRCUITS W/IGET CONTROL GROUP (NON CNX_ CONNECTIONS)

BI115389

S10656

WEIGH SYSTEM CONTROL UNIT



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WEIGH SYSTEM SCHEMATIC

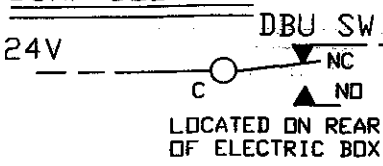
SHEET 1 OF 7

S10656

S10656

CAB (CONTINUED)

DUMP BODY UP



LOCATED ON REAR OF ELECTRIC BOX

SWITCH IS ACTUATED WHEN DUMP BODY IS DOWN. RAISING DUMP BODY SENDS 24V TO WEIGH SYSTEM.

TB11P — PH01 — TBW1-13

HAND/LOAD BRAKE

SUPPLIES 24V TO WEIGH SYSTEM WHEN HAND BRAKE OR LOAD BRAKE IS APPLIED.

TB15K — PM01 — TBW1-15

PARK BRAKE

SUPPLIES 24V TO WEIGH SYSTEM WHEN PARK BRAKE IS APPLIED.

PBKO SW — PM01B — TBW1-15

PBKO SW — EXISTING 81E2

CONTROL GROUP

RETARD

SUPPLIES 24V TO WEIGH SYSTEM WHEN TRUCK IS RETARDING.

CNX5-d — PB01 — TBW1-10

PROPEL

SUPPLIES 24V TO WEIGH SYSTEM WHEN TRUCK IS PROPELLING.

CNX5-M — PP01 — TBW1-12

TRUCK SPEED

50HZ/MPH

CNX5-s — P2C03 WHT — BS — 2.0K — CPLC-C2B+

CNX5-x — BLK — BS — .01uF — CPLC-C2B-

CNX5-c

FILTER

EMPTY TRUCK INDICATOR

THE EMPTY TRUCK INDICATOR PROVIDES 24V WHENEVER THE TRUCK IS EMPTY. IT IS INTENDED TO BE USED TO CONTROL THE 2 SPEED OVERSPEED SETTING.

CNX4-a — PE01 — TBW1-5

XP01 — GNDW-4 — GROUND

GROUND AT BOX MOUNTING STUD.

WEIGH SYSTEM CONTROL UNIT

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WEIGH SYSTEM SCHEMATIC

SHEET 2 OF 7

S10656

S10656

ELECTRIC BOX

OVERLOAD SIGNAL

THE GE PROPULSION SYSTEM WILL RESPOND TO A 24V INPUT BASED ON SETTINGS IN THE CONFIGURATION FILE FOR OVERLOAD RESPONSE. POSSIBLE RESPONSES ARE;
-DO NOTHING
-LIMIT SPEED
-NO PROPEL

CNX4-n

PU01

PV01

WEIGH SYSTEM CONTROL UNIT

CPLC

RLY2

CPLC-RLY2-NO2

CPLC RLY2-COM

RLY2 IS ENERGIZED WHEN TRUCK IS OVERLOADED AND SPEED IS ABOVE 5 MPH[KPH]. RLY2 IS DE-ENERGIZED BELOW 2 MPH[KPH]

TBW1-16, 24V SUPPLY

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WEIGH SYSTEM SCHEMATIC

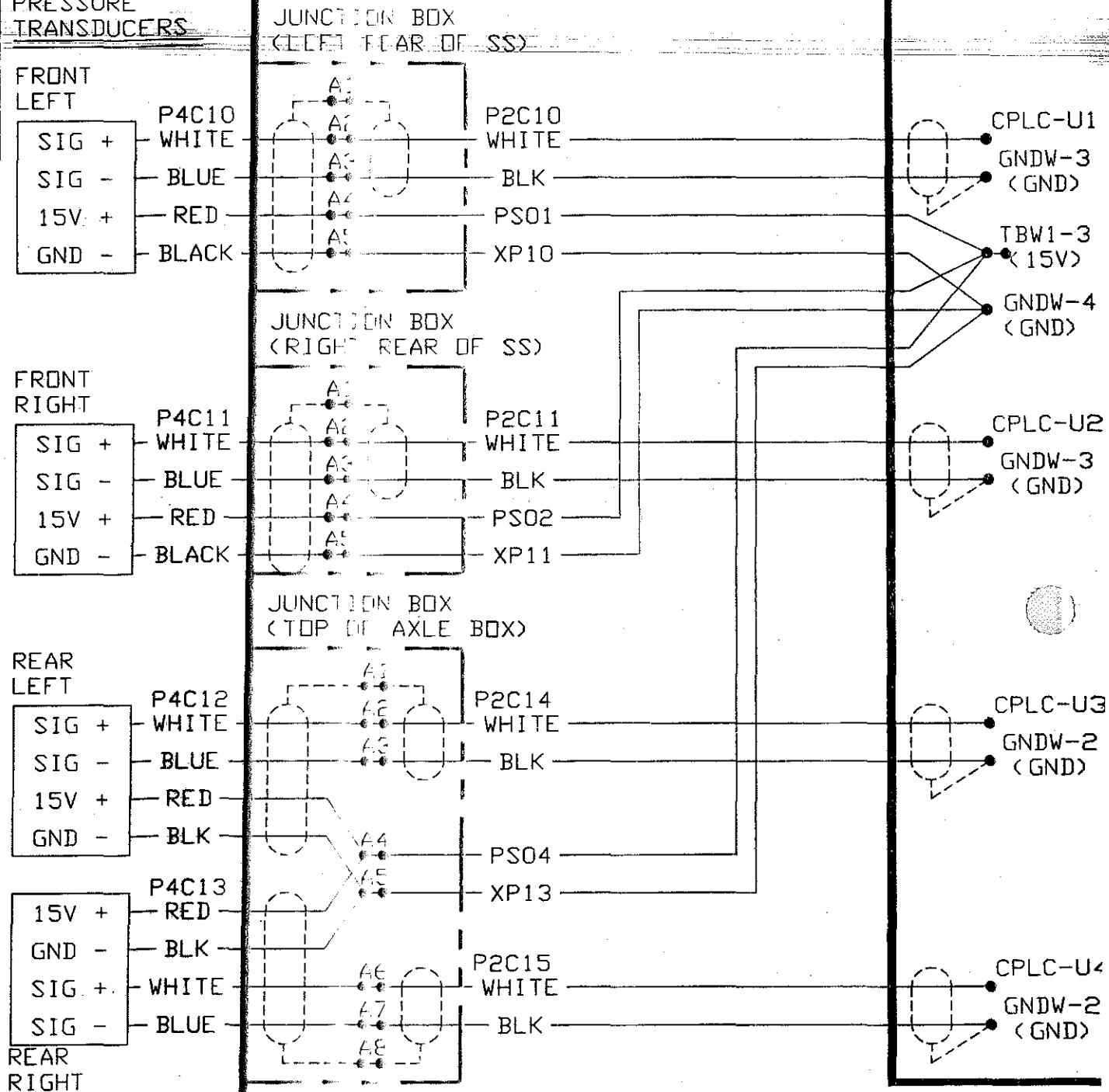
SHEET 3 OF 7

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SUSPENSION WEIGH SYSTEM CONTROL UNIT



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WEIGH SYSTEM SCHEMATIC

SHEET 4 OF 7

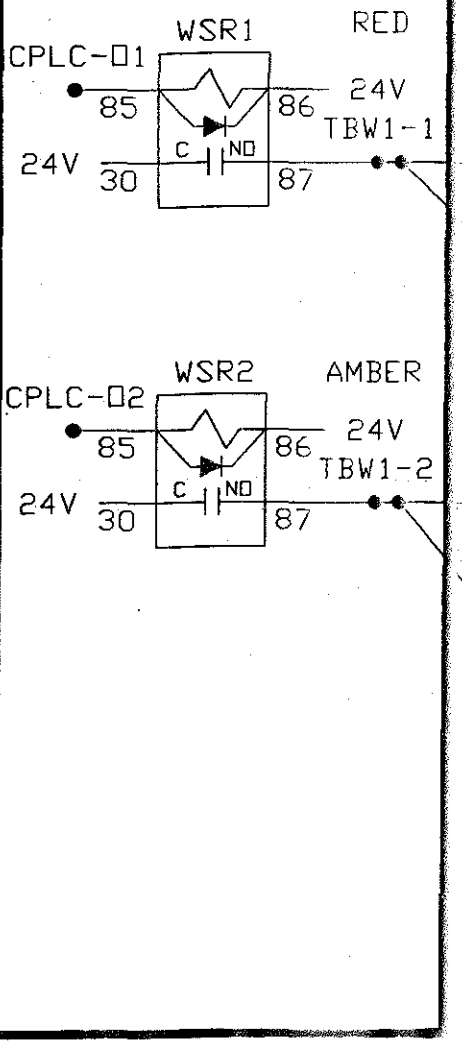
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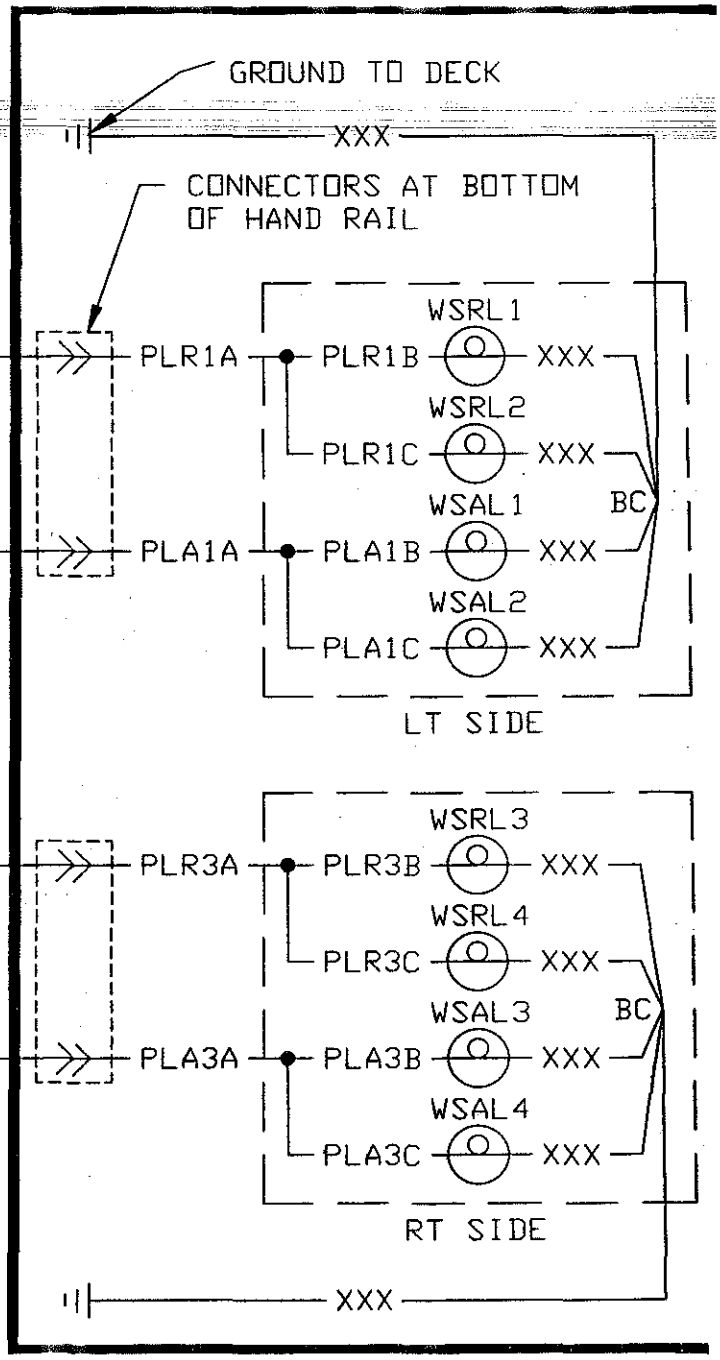
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WEIGH SYSTEM CONTROL UNIT

SUPERSTRUCTURE

LOAD LIGHTS





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NOTE:
LOAD LIGHTS ARE STANDARD BUT ARE NORMALLY NOT FURNISHED WHEN "LARGE DISPLAY OPTION" IS PROVIDED.

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LOAD LIGHTS-STANDARD

WEIGH SYSTEM SCHEMATIC

SHEET 5 OF 7

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WEIGH SYSTEM CONTROL UNIT

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GNDW-1 (GROUND) — 110A — TBW3-4

TBW3-4: SHLD, SHLD, GRN

GRN

TBW3-1: RED

REMOVE WIRE 202 FROM TBW3-2

TBW3-2: 202 ---X, WHT, RED

NO CONNECTION X

WHT

TBW3-3: BLK, BLK

TBW1-16 (24V) — 128A — TBW3-8

TBW3-8: BLU, BLU

P6C01

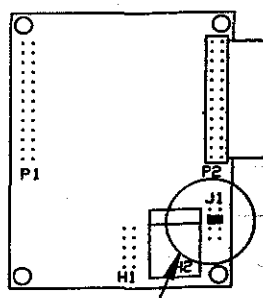
DISPLAY (CAB SIDE)

RED — IN
WHT — OUT
BLK — GND
GRN — GND
BLU — 24V

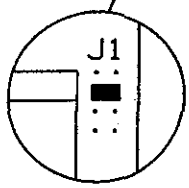
P6C02

DISPLAY (GRID SIDE)

RED — IN
WHT — OUT
BLK — GND
GRN — GND
BLU — 24V



RS232A CARD



J1 JUMPER LOCATION FOR LARGE DISPLAY

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LARGE DISPLAY OPTION (TMT260AC ONLY)

WEIGH SYSTEM SCHEMATIC

SHEET 6 OF 7

S10656

S10656

WEIGH SYSTEM CONTROL UNIT

ONLY GROUND SHIELD IF IT IS NOT GROUNDED AT MODULAR MINING CONNECTOR.

CAB

MODULAR MINING

TBW2-4 GND

TBW2-5 TX

TBW2-6 RX

TBW2-7 GND

P3C02

RED

WHT

BLK

MODULAR MINING CABLE

BS

BS

BS

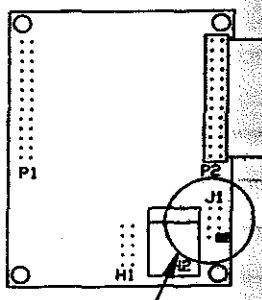
BS

M RXD

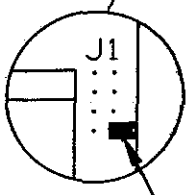
K TXD

J GND

CONNECTOR "C" (GSP PORT 2)



RS232 CARD



J1 JUMPER LOCATION FOR MODULAR MINING (NONE REQUIRED)

STORE SPARE JUMPERS ON ONE PIN.

NOTES:
1. STANDARD P3C02 CONNECTIONS ARE SHOWN ON SHEET 1.
2. THIS SHEET SHOWS MODULAR MINING CONNECTIONS FOR FIELD INSTALLATION.

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MODULAR MINING OPTION

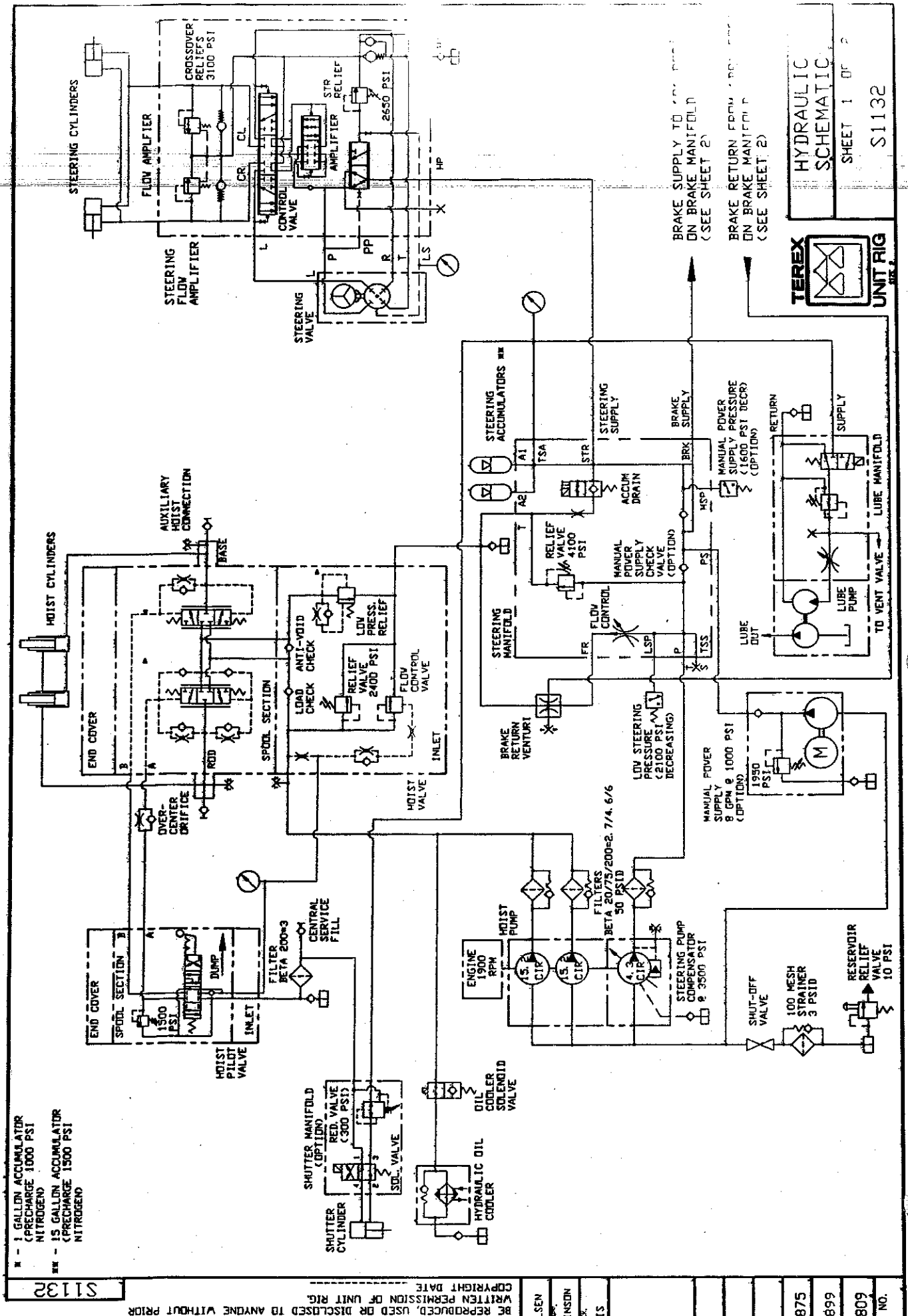
WEIGH SYSTEM SCHEMATIC

SHEET 7 OF 7

S10656

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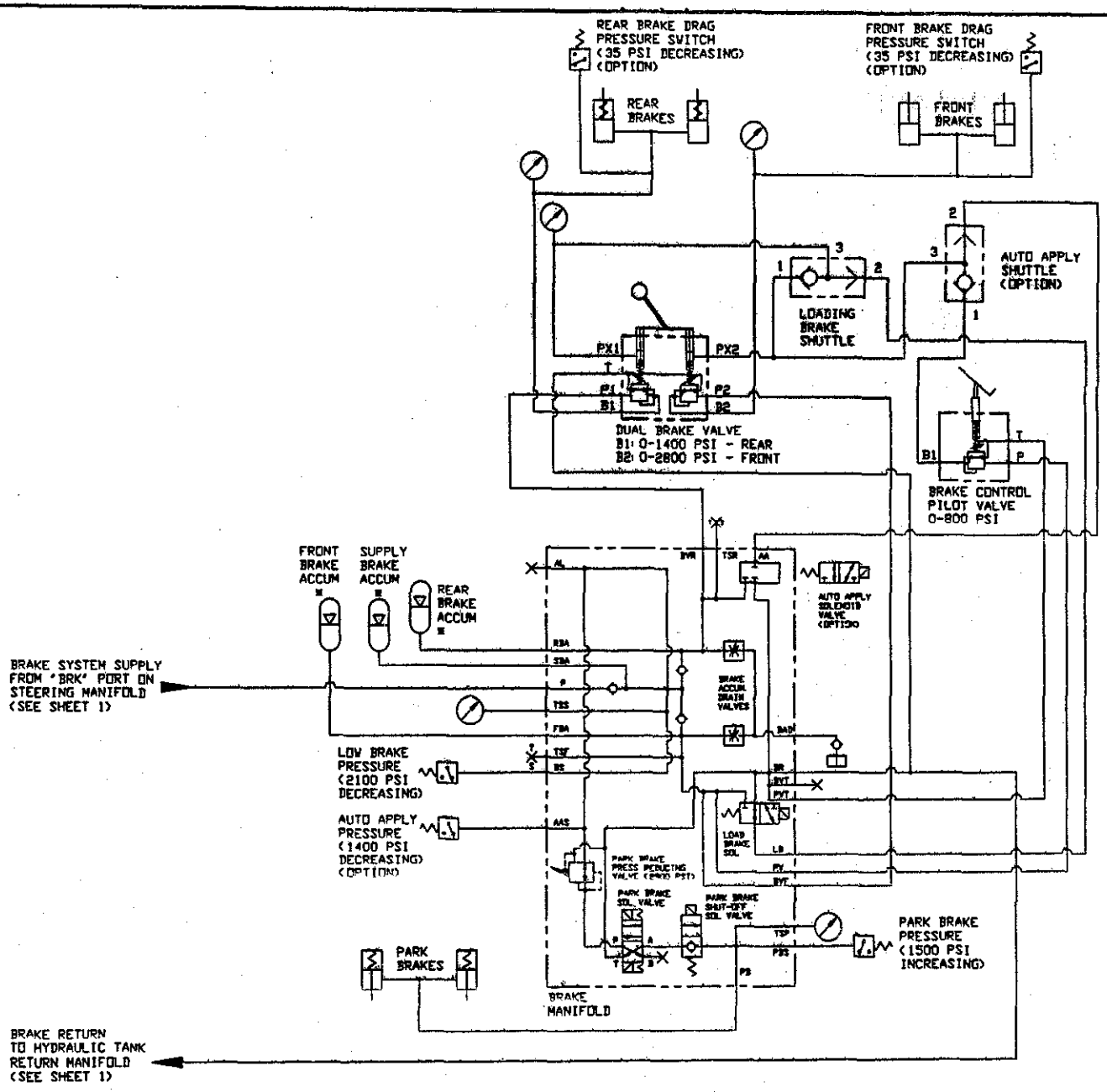

HYDRAULIC SCHEMATIC
SHEET 1 OF 2
S1132
TEREX UNIT RIG
STEERING CYLINDERS
FLOW AMPLIFIER
CROSSOVER RELIEFS 3100 PSI
STR RELIEF 2650 PSI
AMPLIFIER
CONTROL VALVE
STEERING FLOW AMPLIFIER
STEERING VALVE
BRAKE SUPPLY TO ... ON BRAKE MANIFOLD (SEE SHEET 2)
BRAKE RETURN FROM ... ON BRAKE MANIFOLD (SEE SHEET 2)
STEERING ACCUMULATORS **
STEERING SUPPLY
BRAKE SUPPLY
MANUAL POWER SUPPLY PRESSURE (1600 PSI DECR) (OPTION)
RETURN
SUPPLY
LUBE MANIFOLD
ACCUM DRAIN
RELIEF VALVE 4100 PSI
MANUAL POWER SUPPLY CHECK VALVE (OPTION)
STEERING MANIFOLD
FLOW CONTROL
LUBE PUMP
LUBE OUT
TO VENT VALVE
AUXILIARY HOIST CONNECTION
HOIST CYLINDERS
BASE
END COVER
SPOOL SECTION
LOAD CHECK ANTI-VOID CHECK
LOW PRESS. RELIEF
RELIEF VALVE 2400 PSI
FLOW CONTROL VALVE
INLET
ROD
OVER-CENTER ORIFICE
HOIST VALVE
BRAKE RETURN VENTURI
LOW STEERING PRESSURE (2100 PSI DECREASING)
MANUAL POWER SUPPLY 8 GPM @ 1000 PSI (OPTION)
1950 PSI
HOIST PUMP
ENGINE 1900 RPM
FILTERS BETA 20/75/200=2. 7/4. 6/6
50 PSID
STEERING PUMP COMPENSATOR @ 3500 PSI
FILTER BETA 200=3
CENTRAL SERVICE FILL
HOIST PILOT VALVE
DUMP
1500 PSI
SHUT-OFF VALVE
100 MESH STRAINER 3 PSID
RESERVOIR RELIEF VALVE 10 PSI
SHUTTER MANIFOLD (OPTION)
RED. VALVE (300 PSI)
SOL. VALVE
SHUTTER CYLINDER
OIL COOLER SOLENOID VALVE
HYDRAULIC OIL COOLER
* - 1 GALLON ACCUMULATOR (PRECHARGE 1000 PSI NITROGEN)
** - 15 GALLON ACCUMULATOR (PRECHARGE 1500 PSI NITROGEN)
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HYDRAULIC SCHEMATIC

SHEET 2 OF 2

S1132

BI115389

T5080R

PURPOSE:

TO TEST THE WEIGH SYSTEM USING WINDOWS LAPTOP PROGRAM

TEST EQUIPMENT REQUIRED:

DIGITAL VOLTMETER
SIGNAL GENERATOR TO SIMULATE MPU FOR SPEED ON DC TRUCKS

DRAWINGS REQUIRED:

** WEIGH SYSTEM SCHEMATIC **=SEE TRUCK SPEC FOR SPECIFIC DRAWING
** WEIGH SYSTEM CONFIGURATION DATA
S10628 CONTROL UNIT SCHEMATIC
S10629 DISPLAY SCHEMATIC
S10630 WEIGH SYSTEM SCHEMATIC

CONTROL UNIT/VISUAL CHECKS:

_____VERIFY THAT CORRECT EPROM IS INSTALLED.
SEE APPLICABLE "CONTROL UNIT INSTALLATION" DRAWING FOR EPROM P/N
(IE A83987J SPECIFIES A84466P EPROM)
_____VERIFY THAT JUMPERS ON CPLC ARE ARRANGED PER A83987.
_____CONTROL UNIT TERMINALS ARE TIGHT.
_____WIRING IS COMPLETE AND ANY LOOSE WIRES ARE INSULATED.
_____DISPLAY SWITCH ON DISPLAY IS TURNED ON.

TEST/ADJUSTMENT SETUP:

_____TURN ON 24VDC POWER (MASTER SWITCH).
_____TURN WEIGH SYSTEM POWER SWITCH ON (ON CONTROL UNIT).
NOTE: DURING, REMAINDER OF TESTING, POWER IS LEFT ON EXCEPT TO CONNECT OR DISCONNECT WIRING FOR TEST VOLTAGES.

VOLTAGE CHECKS:

_____24V AT CPLC-+24V
_____10V AT CPLC-+10V
_____5V AT CPLC-+5V
_____15V AT TBW1-3
NOTES:
THE VOLTAGE LEVELS SHOWN ABOVE ARE NOMINAL VALUES ONLY.

DISPLAY ON/OFF:

_____TURN TOGGLE SWITCH (ON DISPLAY ASSY) OFF AND VERIFY THAT BACK LIGHTING OF 4 SWITCHES ON DISPLAY IS OFF.
_____TURN SWITCH BACK ON AND VERIFY THAT BACK LIGHTING OF 4 SWITCHES ON DISPLAY IS ON.

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WEIGH SYSTEM TEST

T5080B

T5080B

LAPTOP COMMUNICATION CHECK:

_____CONNECT LAPTOP TO VEHICLE SYSTEM SERIAL CONNECTOR FOR PC AND START WEIGH SYSTEM PROGRAM.
_____VERIFY THAT WEIGH SYSTEM IS COMMUNICATING--TRUCK ICON, ON MAIN MENU, SHOULD BE GREEN.

SET TIME/DATE:

_____USE "TRUCK TIME/DATE CHECK" TO SET TIME AND DATE.

SET DEFAULT VALUES INTO MEMORY:

_____USE "SETUP VARIABLES" TO SETUP TRUCK VARIABLES PER WEIGH SYSTEM CONFIGURATION DATA DRAWING ON TRUCK SPEC.
USE ACTUAL SERIAL NUMBER OF TRUCK.

DIGITAL INPUT CHECKS:

_____USE "DIAGNOSTIC TOOLS" THEN "INPUT/OUTPUT STATUS--TRUCK STATUS" TO DISPLAY IO STATUS.
_____PRESS SERVICE BRAKE, VERIFY DISPLAY CHANGES ACCORDINGLY.
_____PRESS RETARD PEDAL, VERIFY DISPLAY CHANGES ACCORDINGLY.
NOTE: FOR AC TRUCKS, USE COMPUTER TO TURN ON "RETARD" SIGNAL.
_____PRESS ACCELERATOR PEDAL, VERIFY DISPLAY CHANGES ACCORDINGLY.
NOTE: FOR AC TRUCKS, USE COMPUTER TO TURN ON "PROPEL" SIGNAL.
_____APPLY HAND BRAKE, VERIFY DISPLAY CHANGES ACCORDINGLY.
_____APPLY LOAD BRAKE, VERIFY DISPLAY CHANGES ACCORDINGLY.
_____APPLY PARK BRAKE, VERIFY DISPLAY CHANGES ACCORDINGLY.
NOTE: RELEASING PARK BRAKE REQUIRES BRAKE PRESSURE. FOR TESTING UNASSEMBLED TRUCK, APPLY 24V SIGNAL TO PARK BRAKE INDICATOR.
_____RAISE DUMP BODY, VERIFY DISPLAY CHANGES ACCORDINGLY.

TRUCK SPEED CHECK:

DC TRUCKS ONLY:

_____LEAVE LAPTOP ON SAME DISPLAY AS ABOVE.
_____CONNECT SIGNAL GENERATOR TO TB1-A & B. SET TO 1/10 THE VALUE ON THE APPLICABLE "CONFIGURATION DATA WEIGH SYSTEM" DRAWING FOR "Pulses in 1/10 mile/kilometer".
(IE 24902 PULSES = 2490HZ)
_____VERIFY THAT SPEED IS 36 (+/- 1).

AC TRUCKS:

NOTE: AC DRIVE TRUCKS USE ACTIVE SPEED SENSOR THAT CANNOT BE SIMULATED WITH SIGNAL GENERATOR.
_____LEAVE LAPTOP ON SAME DISPLAY AS ABOVE.
_____DRIVE TRUCK AND WATCH SPEEDOMETER.
_____VERIFY SPEED MATCHES SPEEDOMETER (+/- 2 MPH).

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WEIGH SYSTEM TEST

T5080R

PRESSURE TRANSDUCER INPUT CHECKS:

_____USE "DIAGNOSTIC TOOLS" THEN "INPUT/OUTPUT STATUS--TRANSDUCER/ VOLTAGE STATUS" TO DISPLAY TRANSDUCER VOLTAGES.
_____CHECK VOLTAGE AT JUNCTION BOX-A2 CLOSE TO LEFT FRONT PRESSUR TRANSDUCER AND VERIFY THAT DISPLAY READS THE SAME.
_____DISCONNECT PRESSURE TRANSDUCER AT JUNCTION BOX-A2 CLOSE TO LEFT FRONT PRESSURE TRANSDUCER AND VERIFY THAT VOLTAGE DISPLAYED GOES TO 0. RECONNECT TRANSDUCER WIRE.
_____CHECK VOLTAGE AT JUNCTION BOX-B2 CLOSE TO RIGHT FRONT PRESSURE TRANSDUCER AND VERIFY THAT DISPLAY READS THE SAME.
_____DISCONNECT PRESSURE TRANSDUCER AT JUNCTION BOX-B2 CLOSE TO RIGHT FRONT PRESSURE TRANSDUCER AND VERIFY THAT VOLTAGE DISPLAYED GOES TO 0. RECONNECT TRANSDUCER WIRE.
_____CHECK VOLTAGE AT JUNCTION BOX-A2 CLOSE TO LEFT REAR PRESSURE TRANSDUCER AND VERIFY THAT DISPLAY READS THE SAME.
_____DISCONNECT PRESSURE TRANSDUCER AT JUNCTION BOX-A2 CLOSE TO LEFT REAR PRESSURE TRANSDUCER AND VERIFY THAT VOLTAGE DISPLAYED GOES TO 0. RECONNECT TRANSDUCER WIRE.
_____CHECK VOLTAGE AT JUNCTION BOX-A6 CLOSE TO RIGHT REAR PRESSURE TRANSDUCER AND VERIFY THAT DISPLAY READS THE SAME.
_____DISCONNECT PRESSURE TRANSDUCER AT JUNCTION BOX-A6 CLOSE TO RIGHT REAR PRESSURE TRANSDUCER AND VERIFY THAT VOLTAGE DISPLAYED GOES TO 0. RECONNECT TRANSDUCER WIRE.

NOTE: IF PRESSURE TRANSDUCERS ARE NOT INSTALLED, CHECK FOR 15V IN JUNCTION BOXES AND APPLY APPROXIMATELY 1.5V TO TRANSDUCER SIGNAL TERMINAL TO SIMULATE PRESSURE TRANSDUCER OUTPUT.

TRUCK DISPLAY CHECK

_____VERIFY THAT THE TRUCK DISPLAY SHOWS SOME KIND OF INFORMATIO
_____LEAVE LAPTOP ON SAME DISPLAY AS ABOVE.
_____VERIFY THAT DISPLAY SWITCH VOLTAGE IS ABOVE 9V.
_____PRESS MENU SWITCH ON TRUCK DISPLAY AND VERIFY THAT DISPLAY SWITCH VOLTAGE IS BETWEEN 5.6V AND 6.4V.
_____PRESS UP ARROW SWITCH ON TRUCK DISPLAY AND VERIFY THAT DISPLAY SWITCH VOLTAGE IS BETWEEN 4.4V AND 5.2V.
_____PRESS DOWN ARROW SWITCH ON TRUCK DISPLAY AND VERIFY THAT DISPLAY SWITCH VOLTAGE IS BETWEEN 3.4V AND 4.2V.
_____PRESS ENTER SWITCH ON TRUCK DISPLAY AND VERIFY THAT DISPLAY SWITCH VOLTAGE IS BETWEEN 1.9V AND 2.7V.

DIGITAL OUTPUT CHECKS:

_____USE "DIAGNOSTIC TOOLS" THEN "DISPLAY/CHANGE OUTPUT" TO DISPLAY/CHANGE OUTPUT STATUS.
_____CHECK RED LOAD LIGHTS.
_____CHECK AMBER LOAD LIGHTS.
_____CHECK EMPTY TRUCK SIGNAL.
_____CHECK ALARM SIGNAL.
_____CHECK OVERLOAD SIGNAL.

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WEIGH SYSTE TEST

T5080B

DISPATCH COMMUNICATION CHECK (RS232 CARD):

SKIP THIS STEP IF THE SYSTEM IS WIRED FOR THE LARGE DISPLAY OPTION, OR OTHER OPTION WHERE THERE IS NOT A 9 PIN CONNECTOR ON CABLE THAT WILL PLUG INTO LAPTOP.

_____VERIFY THAT JUMPERS CONNECTED ON RS232 CARD'S J1 ARE AS SHOWN BELOW FOR "DISPATCH COMMUNICATION CHECK".

_____CONNECT LAPTOP TO WEIGH SYSTEM SERIAL CONNECTOR FOR DISPATCH AND START WEIGH SYSTEM PROGRAM.

_____VERIFY THAT WEIGH SYSTEM IS COMMUNICATING--TRUCK ICON, ON MAIN MENU, SHOULD BE GREEN.

LARGE DISPLAY CHECK (RS232 CARD):

SKIP THIS STEP IF "LARGE DISPLAY OPTION" IS NOT INSTALLED.

_____VERIFY JUMPER ON RS232 CARD USED FOR LARGE DISPLAY IS INSTALLED AS SHOWN BELOW FOR "LARGE DISPLAY".

_____PRESS THE "MENU" BUTTON ON THE CAB DISPLAY. USE THE "UP" AND "DOWN" ARROW BUTTONS TO POINT TO "LARGE DISPLAY OPT" (ITEM 20). PRESS "ENTER" BUTTON. USE THE "UP" AND "DOWN" ARROW BUTTONS TO POINT TO "5 TEST LEDS". PRESS "ENTER" BUTTON TO START TEST AND RETURN TO DEFAULT DISPLAY.

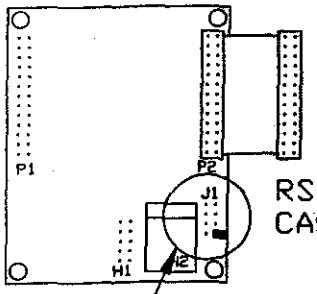
_____VERIFY DISPLAY ON EACH SIDE OF TRUCK REPEATEDLY DISPLAYS 0, 111, 222, 333, 444, 555, 666, 777, 888, 999, 0, 111, . . .

_____PRESS THE "MENU" BUTTON ON THE CAB DISPLAY. USE THE "UP" AND "DOWN" ARROW BUTTONS TO POINT TO "LARGE DISPLAY OPT" (ITEM 20). PRESS "ENTER" BUTTON. USE THE "UP" AND "DOWN" ARROW BUTTONS TO POINT TO "4 OPTION 4". PRESS "ENTER" BUTTON TO STOP TEST AND RETURN TO DEFAULT DISPLAY.

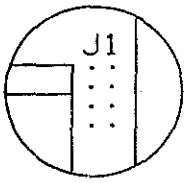
RS232 CARD JUMPERS:

_____VERIFY JUMPERS ON RS232 CARDS ARE INSTALLED AS SHOWN BELOW.

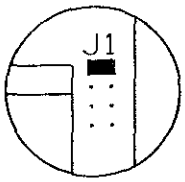
_____VERIFY THAT THERE ARE NOT 2 RS232 CARDS WITH THE SAME JUMPERS.



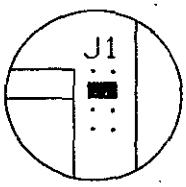
RS232 CARD



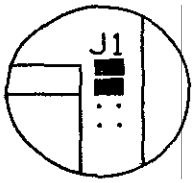
MODULAR MINING



RADIO MODEM

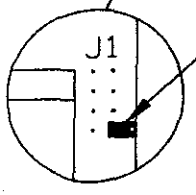


LARGE DISPLAY



DISPATCH COMMUNICATION TEST

NOTE: JUMPERS ON TOP 2 ROWS OF PINS DEFINE SERIAL ADDRESS OF RS232 CARD.



STORE SPARE JUMPERS ON ONE PIN.

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DR. SLF
ENG. APP.
REL. CK.

93128
E.N. NO.

UNIT RIG CAD

WEIGH SYSTEM TEST

SHEET 4 OF 4

T5080B

T5124

CHASSIS LUBRICATION REQUIREMENTS

1. Scope

This document defines the requirements for lubrication of the chassis components serviced by the automatic lubrication system. This includes the kingpin bearings, steering link bearings, suspension end bearings, and other various bearings requiring lubrication.

2. Initial Lubrication

All active bearing surfaces should be thoroughly coated with an initial layer of grease at time of installation. For spherical bearings this includes the spherical surface and the pin bore.

3. Grease Requirements

3.1 For applications where the ambient temperature will NOT be sustained below -30°F (-34°C) for greater than 48 hours select a Premium Quality EP Grease that meets the following specifications, and allows adequate auto-lube pumpability for the expected ambient temperatures.

Required Properties for General Chassis Grease		
Property	Test Method	Requirement
Base Oil Viscosity @ 40°C	ASTM D 445	320 cSt Min.
Base Oil Viscosity @ 100°C	ASTM D 445	20 cSt Min.
Worked Penetration, 60 Strokes @ 25°C	ASTM D 217	370 mm Max.
Dropping Point	ASTM D 2265	450°F (232°C) Min.
Water Washout @ 175°F	ASTM D 1264	8% of weight Max.
4-Ball Wear Scar Dia.	ASTM D 2266	0.5 mm Max.
4-Ball EP Weld Point	ASTM D 2596	400 kg Min.
Timken OK Load	ASTM D 2509	45 lb. Min.
Molybdenum Disulfide Content		5% - 6% of weight
Molybdenum Particle Size		5 microns Max.
Graphite Content		None

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ENG. APP. Fujan
REL. CK. Ellis

92864
E.N. NO.

TEREX MINING™

CHASSIS LUBRICATION REQUIREMENTS

T5124
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3. Grease Requirements (continued)

3.1.1 Recommended Products for General Chassis Grease

Lubricant Manufacturer	Product Name	NLGI Grades
ExxonMobil	Mobilgrease Moly 50, 51, 52	0, 1, 2

3.1.2 New equipment Auto-Lube systems are to be primed and filled with proper grease in the NLGI Grade applicable to the destination climate.

Minimum Ambient Temperature (Sustained for 48 hours)	-30°F to 0°F (-34°C to -18°C)	0°F to 30°F (-18°C to 0°C)	Over 30°F (0°C)
Applicable NLGI Grade	0	1	2

3.2 For applications where the ambient temperature is expected to be sustained below -30°F (-34°C) for greater than 48 hours, and possibly as low as -73°F (-58°C), use Terex Mining Arctic Grease which is comprised of :

80% Mobiltemp SHC 32 Grease
20% Mobil 1 Synthetic ATF

T5125

FRONT WHEEL BEARING LUBRICATION REQUIREMENTS

1. Scope

This document defines the requirements for lubrication of the front wheel bearings.

The front wheel bearing system is specifically designed for either grease lube or oil lube.

2. Front Wheel Bearing Systems Designed for Grease Lubrication

2.1 Initial Lubrication

For front wheel bearings requiring grease lubrication, each bearing should be thoroughly packed with grease, and the sump cavity should be filled with grease to approx. 80% of the cavity volume.

2.2 Quantity of Grease Required per Wheel Hub

Model	Approx. Sump Cavity Volume	Approx. Grease Qty @ 80% Full	
	US Gal. (Liters)	US Gal. (Liters)	lb. (kg)
MT3000 MT3300	5.2 (20)	4.2 (16)	31 (14)
MT3600 MT3700	4.2 (16)	3.4 (13)	25 (11)
MT4400	6.7 (25)	5.3 (20)	40 (18)
MT5500	11.7 (44)	9.4 (35)	70 (32)

2.3 Approved Grease

Minimum Ambient Temperature	Lubricant Manufacturer
	ExxonMobil
-67°F (-55°C)	Mobilith SHC 460
-40°F (-40°C)	Mobilith SHC 460

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92927
92864
E.N. NO.

TEREX MINING

FRONT WHEEL BEARING LUBE REQUIREMENTS

T5125

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REL. CK.

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92864
E.N. NO.

3. Front Wheel Bearing Systems Designed for Oil Lubrication

3.1 Initial Lubrication

For front wheel bearings designed for oil lubrication, the sump cavity should be filled with oil to approx. 50% of the cavity volume.

3.2 Quantity of Oil Required per Wheel Hub [US Gal. (Liters)]

Model	Approx. Sump Cavity Volume	Approx. Oil Qty @ 50% Full
MT3000 MT3300	5.2 (20)	2.6 (10)
MT3600 MT3700	4.2 (16)	2.1 (8)
MT4400	6.7 (25)	3.3 (13)
MT5500	11.7 (44)	5.9 (22)

3.3 Approved Oil

Ambient Temperature Range	Lubricant Manufacturer				
	ExxonMobil	Shell	Royal Lubricants	Valvoline	Cognis
-67°F to 59°F (-55°C to 15°C)	Mobilgear SHC 150	Hyperia S150	Royco 611	N/A	N/A
-35°F to 77°F (-37°C to 25°C)	Mobilgear SHC 220	Hyperia S220	Royco 612	N/A	N/A
-29°F to 95°F (-34°C to 35°C)	Mobilgear SHC 320	Hyperia S320	Royco 613	N/A	N/A
-20°F to 104°F (-29°C to 40°C)	Mobilgear SHC 460	Hyperia S460	Royco 614	N/A	N/A
-9°F to 122°F (-23°C to 50°C)	Mobilgear SHC 680	Hyperia S680	Royco 616	Syngard G-680	Emgard 680 EP

T5128BV

A LAPTOP COMPUTER CONNECTED TO THE TRUCK WEIGH SYSTEM IS USED TO SETUP THE WEIGH SYSTEM FOR A SPECIFIC APPLICATION. THE WEIGH SYSTEM SOFTWARE REQUIRED IS INCLUDED ON A WEIGH SYSTEM DISK (P/N 86050A). THE INITIAL VALUES FOR THE SETUP VARIABLES ARE AS FOLLOW;

INITIAL VALUE	DESCRIPTION
###	Enter Truck Serial Number
240	Rated Payload of Truck
5068	Front Suspension Scaling
4986	Rear Suspension Scaling
1000	Tractor/Trailer Weight Scaling
STON	Weight Unit of Measure
MI	Distance Unit of Measure
18000	Pulse in 1/10 mile/kilometer
16	Default Display Mode
0	Chime Mode
70	Max Speed on Fly for Weight Update
14	Max Weight Delta During Fly Weight Update
1.4	Weight Delta for Stable Shovel Weight
276	Empty Weight Reading
3	Speed for Weigh Read Leaving Shovel
12	Adder for Weight Read Leaving Shovel
3	Max Speed for Brakes without Retarder
276	Overload Setpoint

NOTE:
USE MENU ITEM 13 ON CAB DISPLAY TO SELECT FOREIGN LANGUAGE.

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DR. MURPHY
ENG. APP. DODEN
REL. CK. DORROUGH

95564
E.N. NO.

TEREX
UNIT RIG

CONFIGURATION DA
WEIGH SYSTEM MT440DAC

T5128BV

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TEREX

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55563	1020249	12	008	55585	701503	12	008	55918	916345	12	001
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55565	1026460	12	017	55613	2004582	12	K02	55984	916342	12	001
55565	1021755	12	018	55613	2004583	12	K03	55984	916273	12	K01
55565	1020727	12	019	55613	2004584	12	K04	56081	916342	12	001
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55565	1023592	12	020	55644	916273	12	K01	56090	55908	12	014
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55565	1023593	12	023	55657	916274	12	K01	56090	2005156	12	021
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55565	1022576	12	025	55890	23181	12	001	56090	2005159	12	025
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55565	1101723	12	027	55890	913749	12	014	56090	2002133	12	028
55565	914642	12	028	55890	916084	12	K01	56090	2002091	12	K01
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55565	1000948	12	030	55890	914541	12	003	56090	2002093	12	006
55565	1026464	12	031	55890	914541	12	004	56090	2002094	12	007
55565	1024079	12	032	55890	915766	12	005	56090	2002095	12	008
55565	1022771	12	004	55890	913151	12	006	56090	2002096	12	009
55565	1024083	12	041	55890	2006972	12	007	56099	916051	12	002
55565	1024076	12	045	55890	913744	12	008	56099	2003532	12	003
55565	2001463	12	048	55890	913745	12	009	56100	916051	12	002
55565	1023686	12	049	55893	15266829	12	002	56100	2003532	12	003
55565	1021752	12	005	55893	55894	12	004	56152	2005056	12	K01
55565	1022772	12	052	55893	2003527	12	005	56153	916401	12	010
55565	1023597	12	054	55893	2003528	12	006	56153	916400	12	011
55565	1023595	12	055	55896	51371	12	001	56153	916402	12	012
55565	1021731	12	056	55896	2001889	12	010	56153	52345	12	015
55565	1022353	12	057	55896	2001890	12	013	56153	2000309	12	K1
55565	1021786	12	006	55896	2001968	12	018	56153	916405	12	003
55565	1026462	12	060	55896	51267	12	019	56153	916404	12	004
55565	1021733	12	061	55896	10182	12	002	56153	916403	12	005
55565	1021724	12	062	55896	51266	12	020	56178	2004598	12	001
55565	1022378	12	063	55896	913240	12	021	56178	56596	12	002
55565	1022418	12	064	55896	26128	12	022	56265	701210	12	001
55565	1103745	12	065	55896	56482	12	023	56265	2002552	12	002
55565	1023598	12	066	55896	56481	12	024	56265	2002553	12	003
55565	1026461	12	068	55896	56480	12	025	56265	2001585	12	004
55565	1024084	12	070	55896	986270	12	028	56323	56638	12	001
55565	2001240	12	071	55896	16472	12	029	56323	80243E	12	002
55565	2001241	12	072	55896	2001883	12	003	56346	2004160	12	K01

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56346	2002543	12	K10	56460	2006952	12	001	56998	56987	12	005
56346	2004164	12	K11	56460	2003910	12	002	56998	56988	12	006
56346	2001995	12	K12	56460	2006953	12	002	916124	28537	12	022
56346	2004165	12	K13	56460	2003916	12	003	916124	22048	12	023
56346	2004166	12	K14	56460	2006954	12	003	916124	2000820	12	005
56346	2004167	12	K15	56460	2003922	12	004	916124	2000821	12	006
56346	2004168	12	K16	56460	2006955	12	004	916124	2000822	12	007
56346	2001994	12	K02	56460	2003923	12	005	916124	55353	12	008
56346	2004161	12	K03	56460	2006956	12	005	916124	2000825	12	009
56346	2002545	12	K04	56460	2006957	12	006	916362	916356	11	001
56346	2001996	12	K06	56460	2003924	12	006	916362	916357	11	002
56346	2004162	12	K07	56460	2006958	12	007	916362	913686	11	003
56346	2004163	12	K08	56460	2006959	12	008	916362	916363	11	004
56346	2001993	12	K09	56602	916381	12	K01	916362	916359	11	005
56371	916470	12	K01	56603	916446	12	K01	916362	916360	11	006
56389	916467	12	K01	56618	2005289	12	012	916362	916364	11	007
56412	912782	12	010	56618	2005290	12	013	916362	21688	11	008
56412	900743	12	011	56618	2005291	12	014	916362	986269	11	009
56412	900744	12	012	56618	2005161	12	017	916362	986270	11	010
56412	2003148	12	014	56618	2005292	12	018	916362	1019450	11	011
56412	900748	12	016	56618	1025369	12	019	916362	986272	11	012
56412	900749	12	017	56618	2004606	12	020	916362	21224	11	013
56412	900750	12	018	56618	2005436	12	021	916362	916361	11	014
56412	916413	12	019	56618	2005293	12	025	916362	1019455	11	015
56412	912611	12	002	56618	2004695	12	026	916362	916358	11	016
56412	900752	12	020	56618	2002861	12	032	916362	916365	11	017
56412	916436	12	021	56618	2003966	12	034	916362	916366	11	018
56412	900755	12	022	56618	2002862	12	035	916362	1023679	11	019
56412	900754	12	023	56618	2001291	12	036	916362	1023682	11	020
56412	900757	12	026	56618	2005128	12	037	916362	1023685	11	021
56412	900774	12	027	56618	2002863	12	038	916362	18848	11	022
56412	24726	12	028	56618	2002864	12	039	916362	17074	11	023
56412	23810	12	003	56618	2002865	12	042	916362	916367	11	024
56412	916188	12	030	56618	2004798	12	046	916362	916368	11	025
56412	916189	12	031	56618	2005288	12	005	916362	916369	11	026
56412	53140	12	K01	56618	2005437	12	055	1004472	1009535	12	002
56412	915724	12	K02	56618	2004396	12	057	1009442	29907	12	001
56412	2003147	12	K03	56618	2003016	12	058	2002865	2004991	12	K01
56412	913151	12	004	56618	2003017	12	059	2003450	2003887	12	010
56412	26824	12	005	56618	2003018	12	060	2003450	2003944	12	011
56412	913739	12	006	56618	2005435	12	061	2003450	2003945	12	012
56412	916148	12	007	56618	2002866	12	K01	2003450	2003946	12	013
56412	912615	12	008	56778	2002959	12	001	2003450	2003947	12	014
56412	915785	12	009	56778	2003937	12	002	2003450	2003948	12	015
56417	53963	12	034	56779	2002959	12	001	2003450	701083	12	016
56417	2000815	12	K01	56779	2003937	12	002	2003450	2003949	12	017
56417	2000613	12	K02	56998	56986	12	001	2003450	2003950	12	018
56417	2000610	12	K03	56998	56988	12	002	2003450	700898	12	019
56417	2000615	12	K04	56998	56987	12	003	2003450	2003939	12	002
56460	2003890	12	001	56998	56995	12	004	2003450	913619	12	020

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2003450	913618	12	021	2003450	701775	12	065	2003467	2004039	12	019
2003450	900953	12	022	2003450	2001161	12	066	2003467	2004036	12	002
2003450	913617	12	023	2003450	2001162	12	067	2003467	2000824	12	020
2003450	700216	12	024	2003450	2003960	12	068	2003467	55353	12	021
2003450	2003951	12	025	2003450	2003881	12	069	2003467	2000825	12	022
2003450	10179	12	026	2003450	2003373	12	007	2003467	22048	12	023
2003450	10008	12	027	2003450	2003887	12	070	2003467	16533	12	024
2003450	913619	12	028	2003450	2000721	12	071	2003467	12867	12	025
2003450	913618	12	029	2003450	2000722	12	072	2003467	2004040	12	026
2003450	2000718	12	003	2003450	700904	12	073	2003467	2004041	12	027
2003450	900953	12	030	2003450	700905	12	074	2003467	2004042	12	028
2003450	913617	12	031	2003450	10047	12	075	2003467	2004043	12	029
2003450	913476	12	032	2003450	10183	12	076	2003467	914389	12	003
2003450	912741	12	033	2003450	2003961	12	077	2003467	701490	12	030
2003450	2001594	12	034	2003450	911968	12	078	2003467	2004044	12	031
2003450	2001211	12	035	2003450	40PN00010A	12	079	2003467	2004045	12	032
2003450	2003952	12	036	2003450	2003943	12	008	2003467	2000172	12	033
2003450	900954	12	037	2003450	915232	12	080	2003467	2000253	12	033
2003450	900460	12	038	2003450	10013	12	081	2003467	2004046	12	034
2003450	901566	12	039	2003450	2002895	12	082	2003467	2003823	12	035
2003450	2003940	12	004	2003450	915231	12	083	2003467	2004047	12	036
2003450	900462	12	040	2003450	2003962	12	084	2003467	2004048	12	037
2003450	900463	12	041	2003450	2003963	12	085	2003467	2001216	12	038
2003450	901559	12	042	2003450	700899	12	086	2003467	2001217	12	039
2003450	700367	12	043	2003450	2003964	12	087	2003467	10002	12	004
2003450	2003953	12	044	2003450	10179	12	088	2003467	916182	12	040
2003450	700766	12	045	2003450	703400	12	089	2003467	916133	12	041
2003450	903336	12	046	2003450	914513	12	009	2003467	2002536	12	042
2003450	17412	12	047	2003450	913249	12	090	2003467	2002537	12	043
2003450	2000719	12	048	2003450	913836	12	091	2003467	2002538	12	044
2003450	2003954	12	049	2003450	913248	12	092	2003467	2002539	12	045
2003450	2003918	12	049	2003450	913836	12	093	2003467	2004049	12	046
2003450	2003941	12	005	2003450	52668	12	094	2003467	2004050	12	047
2003450	10178	12	050	2003450	25114	12	095	2003467	2003639	12	005
2003450	901563	12	051	2003450	10166	12	096	2003467	10178	12	006
2003450	2003955	12	052	2003450	1008873	12	097	2003467	52351	12	007
2003450	2002895	12	053	2003450	2003965	12	098	2003467	10001	12	008
2003450	2003956	12	054	2003458	2006970	12	002	2003467	2001215	12	009
2003450	2003957	12	055	2003458	2003459	12	003	2004040	2004055	12	010
2003450	2003954	12	056	2003458	2003461	12	004	2004040	2004056	12	011
2003450	2003918	12	056	2003458	2003460	12	005	2004040	2004057	12	012
2003450	10124	12	057	2003467	2000845	12	010	2004040	913966	12	013
2003450	10178	12	058	2003467	916180	12	011	2004040	914520	12	014
2003450	915418	12	059	2003467	52333	12	012	2004040	914521	12	015
2003450	2003942	12	006	2003467	915133	12	013	2004040	700933	12	016
2003450	2003958	12	060	2003467	915134	12	014	2004040	701063	12	017
2003450	2003959	12	061	2003467	915135	12	015	2004040	2004058	12	018
2003450	2000723	12	062	2003467	915138	12	016	2004040	2004059	12	019
2003450	52367	12	063	2003467	2004037	12	017	2004040	2004051	12	002
2003450	2000720	12	064	2003467	2004038	12	018	2004040	2004060	12	020

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2004040	2004049	12	021	77904S	83485A	09	003	82650U	53369-0404	09	006
2004040	2001449	12	022	77904S	83486B	09	004	82650U	84317A-016	09	007
2004040	2002340	12	023	77904S	51341	09	005	82650U	84317A-016	09	008
2004040	26276	12	024	80052E	80067C	12	001	82650U	83340B	09	010
2004040	2000253	12	024	80052E	80055A	12	010	82650U	84705A	09	011
2004040	2004061	12	025	80052E	80057A	12	011	82650U	84705B	09	012
2004040	2004028	12	026	80052E	80062C	12	012	82650U	21428	09	015
2004040	22068	12	027	80052E	51011	12	013	82650U	20708	09	016
2004040	10176	12	028	80052E	51022	12	014	82650U	20690	09	017
2004040	2004062	12	029	80052E	51021	12	015	82650U	20707	09	018
2004040	914522	12	003	80052E	51014	12	016	82650U	22755	09	019
2004040	20926	12	030	80052E	51018	12	017	82650U	24582	09	020
2004040	2003823	12	031	80052E	51012	12	018	82650U	53398	09	021
2004040	2004063	12	032	80052E	51016	12	019	82650U	52845	09	022
2004040	22048	12	033	80052E	80092A	12	002	82650U	55720	09	023
2004040	16533	12	034	80052E	51017	12	020	82650U	25650	09	024
2004040	12867	12	035	80052E	51047	12	021	82650U	10122	09	025
2004040	2004029	12	036	80052E	80056A	12	022	82650U	25487	09	026
2004040	913963	12	037	80052E	22324	12	023	82681A	16943	11	001
2004040	2004064	12	038	80052E	915399	12	K01	82681A	16941	11	002
2004040	2004065	12	039	80052E	65456A	12	003	82681A	17191	11	003
2004040	914523	12	004	80052E	80054A	12	004	82681A	51198	11	004
2004040	2004052	12	004	80052E	80053A	12	005	82681A	986212	11	005
2004040	901264	12	004	80052E	51019	12	006	82681A	980058	11	006
2004040	2004066	12	040	80052E	51020	12	007	82681A	1017210	11	007
2004040	2004067	12	040	80052E	51013	12	008	82681A	986168	11	008
2004040	2004046	12	041	80052E	51015	12	009	82681A	28826	11	009
2004040	2004068	12	042	80169J	53490	09	001	82681A	1004472	11	010
2004040	701368	12	005	80169J	78049C	09	002	82681A	28878	11	011
2004040	915190	12	006	80169J	10535	09	004	82681A	24148	11	012
2004040	51383	12	007	80169J	10163	09	006	82681A	21736	11	013
2004040	2004053	12	008	80169J	55865	09	007	82681A	18640	11	015
2004040	2004054	12	009	80169J	84081A	09	021	82681A	986180	11	016
2005194	2005234	12	001	80169J	12315	09	022	82681A	24125	11	017
2005194	83575A	12	010	80169J	15675	09	023	82681A	10352	11	018
2005194	2005236	12	012	80943M	57200	03	001	82681A	17065	11	019
2005194	2005235	12	013	80943M	10008	03	002	82681A	27043	11	020
2005194	2005238	12	014	80943M	10163	03	003	82681A	52832	11	021
2005194	2005621	12	015	80943M	17410	03	004	82681A	12206	11	023
2005194	2005238	12	002	81116K	83378B	09	001	82681A	26467	11	025
2005194	2005237	12	004	81116K	83378H	09	002	82681A	82699A	11	026
2005194	83575A	12	006	81161M	83461B	09	001	82681A	24856	11	030
2005194	2003441	12	007	81161M	10179	09	002	82681A	21656	11	031
2005194	2005237	12	008	81161M	10008	09	003	82681A	23554	11	033
2005194	2004818	12	009	81161M	55865	09	004	82681A	900081	11	034
68060G	10180	02	001	82650U	53402	09	001	82681A	20025	11	035
68060G	16342	02	002	82650U	12315	09	002	82681A	20148	11	036
68060G	24681	02	003	82650U	15675	09	003	82681A	53495	11	039
77904S	83484A	09	001	82650U	10162	09	004	82681A	1024127	11	040
77904S	83484C	09	002	82650U	53365-0404	09	005	82681A	10013	11	041

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82681A	10164	11	042	83486B	947113	12	001	84092K	84109P-04	12	009
82681A	17413	11	043	83486B	52542	12	002	84202J	702575	12	001
82681A	10018	11	044	83553B	2001679	12	001	84202J	916248	12	K01
82681A	10008	11	045	83553B	2001678	12	002	84211B	10015	12	001
82681A	52368	11	046	83553B	2001680	12	003	84211B	2002569	12	004
82681A	17410	11	047	83553B	2001599	12	004	84211C	10015	12	001
82681A	18402	11	048	83553B	2005378	12	005	84211C	2002569	12	004
82681F	16370	11	001	83553B	2005379	12	006	84211E	10017	12	001
82681F	53328	11	002	83553B	53808	12	007	84211E	2002569	12	004
82681F	24148	11	003	83553J	56501	12	001	84211F	10017	12	001
82681F	986180	11	004	83553U	56502	12	001	84211F	2002569	12	004
82681F	51538	11	005	83860C	83861J	04	001	84211G	10017	12	001
82681F	17191	11	006	83860C	83861K	04	002	84211G	2002569	12	004
82681F	981487	11	007	83860C	85856A	04	003	84211H	10019	12	001
82681F	52888	11	008	83860C	85856B	04	004	84211H	2002569	12	004
82681F	1001133	11	009	83860C	85856C	04	005	84211J	10019	12	001
82681F	55724	11	010	83860C	56840	04	006	84211J	2002569	12	004
82681F	55725-0404	11	011	83860C	10125	04	007	84211K	10019	12	001
82681F	55964	11	012	83860C	10179	04	008	84211K	2002569	12	004
82681F	55996	11	013	83860C	10135	04	009	84211M	27652	12	001
83340A	83341B	12	003	83860C	10008	04	010	84211M	2002570	12	004
83340B	83341B	12	003	83954K	2002522	12	001	84211N	27652	12	001
83378B	2001984	12	001	83954K	2001490	12	002	84211N	2002570	12	004
83378B	53627	12	010	83954K	2002523	12	029	84211P	27652	12	001
83378B	916039	12	004	83954K	53963	12	046	84211P	2002570	12	004
83378B	916040	12	006	83954K	2000817	12	K02	84211X	27652	12	001
83378B	53629	12	007	83954K	2000610	12	K03	84211X	2002570	12	004
83378B	53631	12	008	83954K	2000676	12	K04	84410A	84277C	02	001
83378B	53628	12	009	83954K	916187	12	K05	84410A	84277E	02	002
83378H	2001984	12	001	83991A	82551B	10	001	84410A	84037A	02	003
83378H	53627	12	010	84092K	84093A	12	001	84410A	83046A	02	004
83378H	916039	12	004	84092K	84109P-02	12	010	84410A	83046B	02	005
83378H	916040	12	006	84092K	84109P-06	12	011	84410A	84413A	02	006
83378H	53629	12	007	84092K	84109P-07	12	012	84568C	84736A	12	001
83378H	53631	12	008	84092K	84109P-01	12	013	84568C	84593N	12	010
83378H	53628	12	009	84092K	84109P-09	12	014	84568C	84593P	12	011
83456B	56346	12	001	84092K	84109P-08	12	015	84568C	84593S	12	012
83456B	53809	12	002	84092K	84109P-10	12	017	84568C	84593A	12	013
83456B	53810	12	003	84092K	84106A	12	018	84568C	84593H	12	014
83461B	56153	12	001	84092K	84107A	12	019	84568C	84593J	12	015
83461B	83463B	12	002	84092K	84094B	12	002	84568C	56111	12	016
83461B	916400	12	003	84092K	10453	12	020	84568C	56110	12	017
83461B	916401	12	004	84092K	55443	12	021	84568C	56226	12	018
83461B	916402	12	005	84092K	84108A	12	022	84568C	56227	12	019
83484A	947113	12	001	84092K	84109P	12	K01	84568C	84736E	12	002
83484A	52542	12	002	84092K	84095A	12	003	84568C	916418	12	020
83484C	947113	12	001	84092K	84096A	12	004	84568C	916419	12	K01
83484C	52542	12	002	84092K	86733A	12	005	84568C	84593E	12	003
83485A	947113	12	001	84092K	84109P-05	12	007	84568C	84593G	12	004
83485A	52542	12	002	84092K	84109P-03	12	008	84568C	84593U	12	005

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84568C	84593T	12	006	84909P	2004384	12	002	85081C	84575E	12	011
84568C	84593V	12	007	84909P	52118	12	020	85081C	84756F	12	012
84568C	84593M	12	008	84909P	10164	12	021	85081C	85137A	12	013
84568C	84593K	12	009	84909P	17413	12	022	85081C	85141A	12	014
84568E	84736A	12	001	84909P	2004427	12	023	85081C	26896	12	015
84568E	84593N	12	010	84909P	51371	12	024	85081C	12315	12	016
84568E	84593P	12	011	84909P	17412	12	025	85081C	10649	12	017
84568E	84593S	12	012	84909P	22465	12	026	85081C	10163	12	018
84568E	84593A	12	013	84909P	2004428	12	027	85081C	15875	12	019
84568E	84593H	12	014	84909P	52118	12	028	85081C	84568C	12	002
84568E	84593J	12	015	84909P	10164	12	029	85081C	17808	12	020
84568E	56111	12	016	84909P	2005753	12	003	85081C	56247	12	021
84568E	56110	12	017	84909P	17413	12	030	85081C	56241	12	022
84568E	56226	12	018	84909P	2005756	12	031	85081C	25808	12	003
84568E	56227	12	019	84909P	52118	12	032	85081C	84432F	12	004
84568E	84736E	12	002	84909P	10164	12	033	85081C	82536B	12	005
84568E	916418	12	020	84909P	17413	12	034	85081C	56141	12	006
84568E	916420	12	K01	84909P	2005757	12	035	85081C	25871	12	007
84568E	84593F	12	003	84909P	52117	12	036	85081C	85085F	12	008
84568E	84593G	12	004	84909P	10164	12	037	85081C	85085H	12	009
84568E	84593U	12	005	84909P	17413	12	038	85081E	56237	12	010
84568E	84593T	12	006	84909P	2004433	12	039	85081E	84575E	12	011
84568E	84593V	12	007	84909P	2005754	12	004	85081E	84756F	12	012
84568E	84593M	12	008	84909P	52118	12	040	85081E	85137A	12	013
84568E	84593K	12	009	84909P	10164	12	041	85081E	85141B	12	014
84635B	80629F	12	001	84909P	17413	12	042	85081E	26896	12	015
84635B	21224	12	010	84909P	2004434	12	043	85081E	12315	12	016
84635B	1017446	12	011	84909P	52118	12	044	85081E	10649	12	017
84635B	21688	12	012	84909P	10164	12	045	85081E	10163	12	018
84635B	916398	12	K01	84909P	2004387	12	046	85081E	15875	12	019
84635B	55984	12	002	84909P	17413	12	047	85081E	84568E	12	002
84635B	55914	12	003	84909P	2004383	12	048	85081E	17808	12	020
84635B	55915	12	004	84909P	2004779	12	005	85081E	56247	12	021
84635B	56389	12	005	84909P	2005758	12	050	85081E	56241	12	022
84635B	56133	12	006	84909P	52118	12	051	85081E	25808	12	003
84635B	19426	12	007	84909P	2004735	12	052	85081E	84432G	12	004
84635B	22745	12	008	84909P	17744	12	006	85081E	82536B	12	005
84635B	27661	12	009	84909P	22465	12	007	85081E	56141	12	006
84745C	84749C	02	001	84909P	17412	12	008	85081E	25871	12	007
84909P	2005752	12	001	84909P	2005755	12	009	85081E	85085G	12	008
84909P	17412	12	010	84942Y	55047	12	010	85081E	85085J	12	009
84909P	2004379	12	011	84942Y	2004721	12	002	85103M	84205H	09	001
84909P	52156	12	012	84942Y	2002797	12	003	85103M	85497A	09	002
84909P	10162	12	013	84942Y	2005239	12	004	85103M	85497C	09	003
84909P	15675	12	014	84942Y	2005192	12	005	85103M	85497F	09	004
84909P	2004425	12	015	84942Y	2002798	12	006	85103M	85497H	09	005
84909P	52118	12	016	84942Y	2002931	12	007	85103M	84067N	09	006
84909P	10164	12	017	84942Y	2005190	12	008	85103M	84067S	09	007
84909P	17413	12	018	84942Y	2005191	12	009	85103M	83848K	09	008
84909P	2004426	12	019	85081C	56237	12	010	85103M	84024A	09	012

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85103M	84024B	09	013	85605C	916444	12	K01	85788A	703015	12	027
85103M	84024C	09	014	85605C	57060	12	002	85788A	10535	12	028
85103M	84024E	09	015	85605C	57327	12	002	85788A	10009	12	029
85103M	84024F	09	016	85605C	56081	12	003	85788A	911415	12	003
85103M	23394	09	017	85605C	55644	12	004	85788A	10011	12	030
85103M	19358	09	018	85605C	56371	12	005	85788A	986092	12	031
85103M	24582	09	019	85605C	55918	12	006	85788A	10029	12	032
85103M	17141	09	021	85605C	55002	12	007	85788A	10125	12	033
85103M	55943	09	026	85605C	55647	12	008	85788A	52368	12	034
85103M	55944	09	027	85788A	10535	12	010	85788A	10179	12	035
85103M	84693C	09	028	85788A	17744	12	100	85788A	2004845	12	036
85103M	56205	09	029	85788A	10040	12	101	85788A	2004846	12	037
85103M	20691	09	030	85788A	10046	12	102	85788A	2004847	12	038
85103M	20707	09	031	85788A	10048	12	103	85788A	2004848	12	039
85103M	20708	09	032	85788A	913565	12	104	85788A	911355	12	004
85103M	17144	09	033	85788A	915553	12	105	85788A	2004849	12	040
85103M	10011	09	034	85788A	2004454	12	106	85788A	2003449	12	041
85103M	10164	09	035	85788A	2003366	12	107	85788A	2004850	12	042
85103M	10180	09	036	85788A	10126	12	108	85788A	2002423	12	043
85103M	25769	09	037	85788A	2004874	12	109	85788A	2002071	12	044
85103M	86238A	09	040	85788A	10125	12	011	85788A	2004853	12	045
85103M	86238B	09	041	85788A	10335	12	110	85788A	2004852	12	046
85103M	10028	09	042	85788A	913476	12	111	85788A	2004855	12	047
85103M	22465	09	043	85788A	2003993	12	112	85788A	2003905	12	048
85103M	10182	09	044	85788A	2004875	12	113	85788A	2003893	12	049
85125B	85126B	11	001	85788A	2004876	12	114	85788A	911412	12	005
85125B	85127B	11	002	85788A	2004877	12	115	85788A	2003892	12	050
85499H	84034A	10	001	85788A	2004878	12	116	85788A	10027	12	051
85499H	84035A	10	002	85788A	913836	12	117	85788A	915553	12	052
85499H	1032029	10	003	85788A	2003391	12	118	85788A	915152	12	053
85499H	1032306	10	005	85788A	10011	12	119	85788A	2004338	12	054
85499H	10012	10	006	85788A	2004843	12	012	85788A	2004856	12	055
85499H	10164	10	007	85788A	10012	12	120	85788A	915542	12	056
85499H	17413	10	008	85788A	1008869	12	121	85788A	10126	12	057
85499H	56100	10	009	85788A	10180	12	122	85788A	2004857	12	058
85499H	56099	10	010	85788A	2004844	12	013	85788A	2003888	12	059
85499H	23173	10	011	85788A	2002882	12	014	85788A	911413	12	006
85499H	947945	10	023	85788A	2002883	12	015	85788A	2000409	12	060
85499H	17547	10	024	85788A	2003915	12	016	85788A	10011	12	061
85499H	28537	10	025	85788A	2003918	12	017	85788A	10180	12	062
85499H	86256A	10	030	85788A	2003891	12	018	85788A	2000410	12	063
85499H	10011	10	031	85788A	2001450	12	019	85788A	2004858	12	064
85499H	10180	10	032	85788A	2000366	12	002	85788A	2004859	12	065
85605C	916443	12	001	85788A	23177	12	020	85788A	1008869	12	066
85605C	22745	12	009	85788A	2000409	12	021	85788A	2004860	12	067
85605C	52847	12	010	85788A	2000537	12	022	85788A	2004861	12	068
85605C	56603	12	011	85788A	913565	12	023	85788A	2001403	12	069
85605C	56602	12	012	85788A	915553	12	024	85788A	700810	12	007
85605C	55657	12	013	85788A	2000407	12	025	85788A	2004862	12	070
85605C	56371	12	014	85788A	915268	12	026	85788A	2004079	12	071

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85788A	2001401	12	072	85789G	2005696	12	117	85789G	2003639	12	165
85788A	2000829	12	073	85789G	2005697	12	118	85789G	2005709	12	168
85788A	2002250	12	074	85789G	2005679	12	011	85789G	52734	12	016
85788A	700792	12	075	85789G	2005698	12	119	85789G	10027	12	169
85788A	2003899	12	076	85789G	2005699	12	120	85789G	2002005043	12	170
85788A	2003883	12	077	85789G	2005700	12	121	85789G	2003791	12	017
85788A	700815	12	078	85789G	2005701	12	122	85789G	2003467	12	018
85788A	2004863	12	079	85789G	2005702	12	123	85789G	2003458	12	002
85788A	900608	12	008	85789G	2003837	12	124	85789G	916164	12	019
85788A	2004864	12	080	85789G	2007037	12	125	85789G	915428	12	020
85788A	2004865	12	081	85789G	2007038	12	126	85789G	916180	12	021
85788A	2004866	12	082	85789G	2005704	12	127	85789G	2005680	12	022
85788A	2004867	12	083	85789G	2005705	12	128	85789G	2005640	12	023
85788A	2004868	12	084	85789G	2005194	12	012	85789G	2003796	12	024
85788A	2000408	12	085	85789G	23178	12	129	85789G	2003462	12	025
85788A	2004869	12	086	85789G	2003464	12	131	85789G	2003799	12	026
85788A	2004454	12	087	85789G	2005707	12	132	85789G	2003800	12	027
85788A	2004870	12	088	85789G	985501	12	133	85789G	2003801	12	028
85788A	2003877	12	089	85789G	2003853	12	134	85789G	2003603	12	003
85788A	2002923	12	009	85789G	10034	12	135	85789G	2005025	12	029
85788A	700309	12	090	85789G	2003854	12	136	85789G	2003802	12	030
85788A	700799	12	091	85789G	2003855	12	137	85789G	2005681	12	031
85788A	2003878	12	092	85789G	2003856	12	138	85789G	2003803	12	032
85788A	2004871	12	093	85789G	2003857	12	139	85789G	16831	12	033
85788A	2004872	12	094	85789G	2003859	12	140	85789G	2003804	12	034
85788A	2004873	12	095	85789G	2005122	12	141	85789G	2003805	12	035
85788A	2004511	12	096	85789G	10008	12	142	85789G	2005035	12	036
85788A	2004512	12	097	85789G	10011	12	143	85789G	2003807	12	037
85788A	700781	12	098	85789G	2002397	12	144	85789G	2003808	12	038
85788A	10015	12	099	85789G	10014	12	145	85789G	2003604	12	004
85789G	2004505	12	009	85789G	10032	12	146	85789G	2003809	12	039
85789G	2003827	12	099	85789G	2003851	12	147	85789G	2000906	12	040
85789G	900189	12	100	85789G	2003852	12	148	85789G	2003810	12	041
85789G	2003828	12	101	85789G	51933	12	014	85789G	2003448	12	042
85789G	10033	12	102	85789G	2006460	12	149	85789G	2003812	12	043
85789G	20926	12	103	85789G	2006461	12	150	85789G	913166	12	044
85789G	2004993	12	104	85789G	2003821	12	151	85789G	2003813	12	045
85789G	2005230	12	105	85789G	2004507	12	153	85789G	2003456	12	046
85789G	2003830	12	106	85789G	2004503	12	154	85789G	29481	12	047
85789G	2005684	12	107	85789G	2002772	12	155	85789G	25912	12	048
85789G	2005685	12	108	85789G	10012	12	156	85789G	2003788	12	005
85789G	2005679	12	010	85789G	2005231	12	157	85789G	10183	12	049
85789G	2005688	12	109	85789G	2004992	12	158	85789G	10128	12	050
85789G	2005689	12	110	85789G	916124	12	015	85789G	24333	12	051
85789G	2005690	12	111	85789G	2005708	12	159	85789G	24334	12	052
85789G	2005691	12	112	85789G	10018	12	160	85789G	24332	12	053
85789G	2005692	12	113	85789G	10015	12	161	85789G	2003854	12	054
85789G	2005693	12	114	85789G	2005001	12	162	85789G	2005046	12	055
85789G	2003837	12	115	85789G	2005027	12	163	85789G	2005682	12	057
85789G	2005695	12	116	85789G	2003823	12	164	85789G	17456	12	058

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85789G	2003447	12	006	85790B	2005082	12	015	85791A	2000560	12	099
85789G	52078	12	059	85790B	2005090	12	016	85791A	2005636	12	100
85789G	2003871	12	060	85790B	2003770	12	017	85791A	914458	12	101
85789G	25601	12	061	85790B	2004491	12	018	85791A	2000350	12	102
85789G	2003817	12	062	85790B	2004492	12	019	85791A	913476	12	103
85789G	701024	12	063	85790B	2004493	12	020	85791A	10029	12	104
85789G	10015	12	064	85790B	2003437	12	021	85791A	915553	12	105
85789G	10180	12	065	85790B	2005083	12	022	85791A	2001481	12	106
85789G	1008869	12	066	85790B	2005084	12	023	85791A	2001473	12	107
85789G	10126	12	067	85790B	2005086	12	024	85791A	914484	12	011
85789G	22465	12	068	85790B	2005085	12	025	85791A	2004837	12	108
85789G	2006973	12	007	85790B	2003777	12	026	85791A	2006445	12	108
85789G	10182	12	069	85790B	10011	12	027	85791A	2004838	12	109
85789G	10127	12	070	85790B	52085	12	028	85791A	2006446	12	109
85789G	10179	12	071	85790B	2005077	12	003	85791A	2002874	12	110
85789G	52353	12	072	85790B	52353	12	029	85791A	2004840	12	111
85789G	1008870	12	073	85790B	10179	12	030	85791A	2006447	12	111
85789G	2003818	12	074	85790B	52368	12	031	85791A	914455	12	112
85789G	2003819	12	075	85790B	10012	12	032	85791A	10028	12	113
85789G	10029	12	076	85790B	10021	12	033	85791A	915553	12	114
85789G	2005049	12	077	85790B	10180	12	034	85791A	2000654	12	012
85789G	2005048	12	078	85790B	1008869	12	035	85791A	913820	12	115
85789G	2007036	12	008	85790B	10031	12	036	85791A	2000894	12	116
85789G	2003820	12	079	85790B	20003	12	037	85791A	914447	12	117
85789G	28537	12	080	85790B	1008870	12	038	85791A	915313	12	118
85789G	12867	12	081	85790B	2005093	12	004	85791A	11026	12	119
85789G	2005683	12	082	85790B	2003781	12	039	85791A	2006988	12	120
85789G	903336	12	083	85790B	10182	12	040	85791A	2006448	12	121
85789G	2005033	12	084	85790B	10127	12	041	85791A	2006449	12	122
85789G	26276	12	085	85790B	22465	12	042	85791A	2006450	12	123
85789G	10016	12	086	85790B	2003782	12	044	85791A	56483	12	124
85789G	10013	12	087	85790B	26205	12	045	85791A	2000934	12	013
85789G	2003823	12	088	85790B	10183	12	046	85791A	2004504	12	125
85789G	2003790	12	008	85790B	10128	12	047	85791A	10029	12	126
85789G	2003824	12	089	85790B	10138	12	048	85791A	915553	12	127
85789G	52367	12	090	85790B	2005094	12	005	85791A	2004454	12	129
85789G	10178	12	091	85790B	2003778	12	049	85791A	10048	12	131
85789G	52351	12	092	85790B	2005087	12	050	85791A	10012	12	132
85789G	12315	12	093	85790B	2003775	12	051	85791A	10021	12	133
85789G	2003825	12	094	85790B	2003774	12	052	85791A	913565	12	134
85789G	701857	12	095	85790B	2005092	12	053	85791A	914473	12	014
85789G	701570	12	096	85790B	2005088	12	054	85791A	2003993	12	135
85789G	915274	12	097	85790B	2005089	12	055	85791A	915576	12	136
85789G	2003826	12	098	85790B	2005091	12	056	85791A	914765	12	137
85790B	2006960	12	009	85790B	2005097	12	006	85791A	915313	12	138
85790B	2003453	12	010	85790B	2005095	12	007	85791A	914440	12	139
85790B	2003771	12	011	85790B	2005096	12	008	85791A	900656	12	140
85790B	2003772	12	012	85790B	2003450	12	009	85791A	901930	12	141
85790B	2003391	12	013	85791A	914483	12	010	85791A	2004841	12	142
85790B	2005078	12	014	85791A	2004836	12	098	85791A	914843	12	143

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85791A	25034	12	144	85791A	2004778	12	043	85791A	2005633	12	089
85791A	914472	12	015	85791A	2003149	12	044	85791A	700308	12	090
85791A	915553	12	145	85791A	914814	12	045	85791A	2005634	12	091
85791A	10029	12	144	85791A	2004827	12	046	85791A	2005635	12	092
85791A	22465	12	147	85791A	2001067	12	047	85791A	10012	12	093
85791A	10182	12	148	85791A	2002741	12	048	85791A	913565	12	094
85791A	10137	12	149	85791A	18287	12	049	85791A	915552	12	095
85791A	2000895	12	150	85791A	2000344	12	005	85791A	2006443	12	095
85791A	2005637	12	151	85791A	2004828	12	050	85791A	2000656	12	096
85791A	2005638	12	152	85791A	2000661	12	051	85791A	2006444	12	097
85791A	10028	12	153	85791A	914384	12	052	86040A	86040A-F	11	001
85791A	915538	12	016	85791A	10336	12	053	86050A	DISK4001A	10	001
85791A	2000825	12	155	85791A	901260	12	054	86222BT	84699C	09	001
85791A	55353	12	156	85791A	700140	12	056	86222BT	83262B	09	002
85791A	2000824	12	157	85791A	915542	12	057	86222BT	83342B	09	003
85791A	17475	12	158	85791A	10126	12	058	86222BT	83342A	09	004
85791A	2003887	12	159	85791A	10164	12	059	86222BT	83337F	09	005
85791A	2003391	12	160	85791A	914485	12	006	86222BT	83342B	09	006
85791A	914489	12	161	85791A	10180	12	060	86222BT	84705M	09	007
85791A	914828	12	162	85791A	901930	12	061	86222BT	24121	09	008
85791A	901922	12	163	85791A	901251	12	062	86222BT	24717	09	009
85791A	2003323	12	164	85791A	901252	12	063	86222BT	25650	09	010
85791A	915300	12	017	85791A	10061	12	064	86222BT	22603	09	011
85791A	914721	12	018	85791A	901184	12	065	86222BT	16999	09	012
85791A	914476	12	019	85791A	10015	12	066	86222BT	12867	09	013
85791A	2000346	12	020	85791A	913565	12	067	86222BT	22048	09	014
85791A	914469	12	021	85791A	17877	12	068	86222BT	28537	09	015
85791A	914807	12	022	85791A	10032	12	069	86222BT	85902K	09	020
85791A	914470	12	023	85791A	914799	12	007	86222BT	85136G	09	025
85791A	2001606	12	024	85791A	915553	12	070	86308G	65057C	03	001
85791A	2001607	12	025	85791A	10028	12	071	86308G	52342	03	002
85791A	2001608	12	026	85791A	916117	12	072	86308G	28537	03	003
85791A	2001609	12	027	85791A	2005564	12	073	86308G	83716B	03	004
85791A	2001610	12	028	85791A	913476	12	074	86308G	18666	03	005
85791A	2001611	12	029	85791A	913820	12	075	86308G	10011	03	006
85791A	2004824	12	003	85791A	901188	12	076	86308G	10164	03	007
85791A	2004826	12	030	85791A	2004829	12	078	86308G	10180	03	008
85791A	914812	12	031	85791A	2004830	12	079	86308G	21144	03	009
85791A	915541	12	032	85791A	2000343	12	008	86773A	DISK4006A	03	001
85791A	2000347	12	033	85791A	2004831	12	080	A83419C	83414A	09	001
85791A	10028	12	034	85791A	2003887	12	081	A83419C	83424C	09	002
85791A	2002607	12	035	85791A	2004832	12	082	A83419C	83426A	09	003
85791A	2005152	12	036	85791A	2006516	12	082	A83419C	1009438	09	004
85791A	914811	12	037	85791A	2006441	12	083	A83419C	83428A	09	005
85791A	914810	12	038	85791A	2006442	12	084	A83419C	83417A	09	006
85791A	10330	12	039	85791A	2004833	12	085	A83419C	83423A	09	007
85791A	2004825	12	004	85791A	2005630	12	086	A83419C	10001	09	008
85791A	914721	12	040	85791A	2004835	12	087	A83419C	53656	09	009
85791A	2000345	12	041	85791A	2005632	12	088	A83419C	83416B	09	010
85791A	911043	12	042	85791A	914800	12	009	A83419C	83415A	09	011

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A83419C	1022253	09	012	A83419C	10179	09	066	A83829Z	16019	07	018
A83419C	83412A	09	013	A83419C	A83419	09	099	A83829Z	17611	07	019
A83419C	83413A	09	014	A83432B	N83432B	09	001	A83829Z	950422	07	020
A83419C	83421B	09	015	A83432B	14330	09	014	A83829Z	84746A	07	023
A83419C	83421A	09	016	A83432B	56461	09	015	A83829Z	10336	07	024
A83419C	83408B	09	017	A83432B	55921	09	016	A83829Z	A83829	07	099
A83419C	83409C	09	018	A83432B	55863	09	017	A83987K	83988C	10	001
A83419C	83410B	09	019	A83432B	53238	09	018	A83987K	83988E	10	002
A83419C	83411B	09	020	A83432B	56460	09	020	A83987K	55332	10	003
A83419C	53915	09	021	A83432B	A83432	09	099	A83987K	A84466N	10	004
A83419C	1032392	09	022	A83678A	76600E	02	001	A83987K	55343	10	005
A83419C	53652	09	023	A83678A	76330C	02	003	A83987K	21612	10	006
A83419C	53653	09	024	A83678A	76600K	02	004	A83987K	19395	10	007
A83419C	53654	09	025	A83678A	76600F	02	005	A83987K	53898	10	008
A83419C	53655	09	026	A83678A	76329E	02	006	A83987K	52706	10	009
A83419C	1000488	09	027	A83678A	76600C	02	007	A83987K	21382	10	010
A83419C	1000924	09	028	A83678A	76330B	02	008	A83987K	84030C	10	011
A83419C	1009430	09	029	A83678A	76600W	02	009	A83987K	55344	10	012
A83419C	1100358	09	030	A83678A	76330G	02	010	A83987K	84039A	10	013
A83419C	14330	09	031	A83678A	76600P	02	011	A83987K	20707	10	014
A83419C	18389	09	032	A83678A	76600S	02	012	A83987K	1021686	10	015
A83419C	1002137	09	033	A83678A	76600T	02	013	A83987K	55279	10	016
A83419C	56372	09	034	A83678A	76330E	02	014	A83987K	24582	10	017
A83419C	1000387	09	035	A83678A	76329A	02	015	A83987K	53398	10	018
A83419C	1009435	09	036	A83678A	76330J	02	016	A83987K	84041A	10	019
A83419C	83553E	09	037	A83678A	76600X	02	017	A83987K	12867	10	020
A83419C	26908	09	038	A83678A	84723A	02	018	A83987K	28537	10	021
A83419C	21985	09	039	A83678A	76329H	02	026	A83987K	22048	10	022
A83419C	25128	09	040	A83678A	76329J	02	027	A83987K	17547	10	023
A83419C	52366	09	041	A83678A	76329K	02	028	A83987K	10122	10	024
A83419C	901647	09	042	A83678A	68231G	02	029	A83987K	10176	10	025
A83419C	1032195	09	043	A83678A	76330K	02	030	A83987K	26717	10	026
A83419C	25262	09	044	A83678A	A83678	02	099	A83987K	55353	10	027
A83419C	52357	09	045	A83829Z	WHEEL	07	001	A83987K	85913A	10	028
A83419C	56117	09	046	A83829Z	85138A	07	002	A83987K	A83987	10	999
A83419C	15875	09	047	A83829Z	17026	07	003	A84010W	60260W	04	001
A83419C	25962	09	048	A83829Z	22838	07	004	A84010W	84248A	04	002
A83419C	12867	09	049	A83829Z	24565	07	005	A84010W	10065	04	003
A83419C	1018812	09	050	A83829Z	83173H	07	006	A84010W	12185	04	004
A83419C	83666B	09	051	A83829Z	61372G	07	007	A84010W	10169	04	005
A83419C	1032002	09	052	A83829Z	24465	07	008	A84010W	17400	04	006
A83419C	1004320	09	053	A83829Z	55392	07	009	A84010W	600006C2	04	007
A83419C	10162	09	054	A83829Z	10356	07	010	A84010W	16403	04	008
A83419C	53806-05	09	055	A83829Z	19670	07	011	A84010W	947197	04	009
A83419C	27796	09	057	A83829Z	52914	07	012	A84010W	84448A	04	010
A83419C	17161	09	058	A83829Z	18286	07	013	A84010W	10072	04	011
A83419C	25691	09	059	A83829Z	16642	07	014	A84010W	84909P	04	012
A83419C	26888	09	063	A83829Z	52946	07	015	A84010W	N84010W	04	015
A83419C	1032047	09	064	A83829Z	1002552	07	016	A84010W	A84010	04	099
A83419C	17845	09	065	A83829Z	52287	07	017	A84066B	69209K	08	001

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A84066B	56412	08	002	A84148A	80491A	05	006	A84196B	10162	08	021
A84066B	53455	08	003	A84148A	10012	05	007	A84196B	10178	08	022
A84066B	78854H	08	004	A84148A	10180	05	008	A84196B	34083	08	023
A84066B	78854E	08	005	A84148A	10164	05	009	A84196B	A84196	08	024
A84066B	78854J	08	006	A84148A	10128	05	010	A84204BB	63138W	02	001
A84066B	83352C	08	007	A84148A	16403	05	011	A84204BB	70197N	02	003
A84066B	83353A	08	008	A84148A	25912	05	012	A84204BB	63140F	02	004
A84066B	83353B	08	009	A84148A	63386G	05	013	A84204BB	29151	02	005
A84066B	83353C	08	010	A84148A	82358A	05	014	A84204BB	14551	02	006
A84066B	83353E	08	011	A84148A	82364E	05	015	A84204BB	20117	02	007
A84066B	85720A	08	012	A84148A	A84148	05	020	A84204BB	10074	02	008
A84066B	69206A	08	013	A84183A	55482	02	001	A84204BB	17272	02	009
A84066B	79988A	08	014	A84183A	84153A	02	002	A84204BB	12185	02	010
A84066B	79988B	08	015	A84183A	84178A	02	003	A84204BB	18949	02	011
A84066B	79988C	08	016	A84183A	84178B	02	004	A84204BB	55880	02	012
A84066B	79988E	08	017	A84183A	84178C	02	005	A84204BB	1001005	02	013
A84066B	69208G	08	018	A84183A	28022	02	006	A84204BB	17166	02	015
A84066B	79534B	08	019	A84183A	83065C	02	008	A84204BB	10179	02	016
A84066B	79585A	08	020	A84183A	83066A	02	009	A84204BB	10543	02	017
A84066B	62770A	08	021	A84183A	83068A	02	010	A84204BB	21834	02	019
A84066B	26355	08	022	A84183A	52096	02	011	A84204BB	24617	02	020
A84066B	83368A	08	023	A84183A	12185	02	012	A84204BB	53480	02	021
A84066B	79536A	08	024	A84183A	25113	02	013	A84204BB	19996	02	022
A84066B	55101	08	025	A84183A	912944	02	014	A84204BB	69152B	02	029
A84066B	24726	08	026	A84183A	25912	02	015	A84204BB	25316	02	030
A84066B	913151	08	027	A84183A	1032488	02	016	A84204BB	20330	02	031
A84066B	911486	08	028	A84183A	83070B	02	017	A84204BB	20331	02	032
A84066B	29849	08	029	A84183A	28299	02	018	A84204BB	55684	02	033
A84066B	25111	08	030	A84183A	913739	02	019	A84204BB	84211P	02	034
A84066B	65456A	08	031	A84183A	A84183	02	099	A84204BB	N84204	02	035
A84066B	26078	08	032	A84196B	55890	08	001	A84204BB	51180	02	040
A84066B	901008	08	033	A84196B	75666K	08	002	A84204BB	18955	02	041
A84066B	26109	08	034	A84196B	75662C	08	003	A84204BB	16428	02	042
A84066B	23810	08	035	A84196B	75668C	08	004	A84204BB	66550A	02	043
A84066B	51167	08	036	A84196B	18641	08	005	A84204BB	10012	02	044
A84066B	27806	08	037	A84196B	29980	08	006	A84204BB	10180	02	045
A84066B	21686	08	038	A84196B	17026	08	007	A84204BB	16888	02	046
A84066B	26209	08	039	A84196B	2405	08	008	A84204BB	16889	02	047
A84066B	915726	08	040	A84196B	52051	08	009	A84204BB	56156	02	048
A84066B	25558	08	041	A84196B	62770B	08	010	A84204BB	55252	02	049
A84066B	63416A	08	042	A84196B	913151	08	011	A84204BB	79783A	02	050
A84066B	25557	08	043	A84196B	82859B	08	012	A84204BB	17145	02	051
A84066B	900774	08	044	A84196B	53386-0606	08	013	A84204BB	948634	02	052
A84066B	25113	08	045	A84196B	53379-0606	08	014	A84204BB	10011	02	053
A84066B	A84066	08	099	A84196B	53360-0604	08	015	A84204BB	10180	02	054
A84148A	80052E	05	001	A84196B	84317B-031	08	016	A84204BB	A84204	02	099
A84148A	17942	05	002	A84196B	84315B-037	08	017	A84217E	20379	09	001
A84148A	56087-700	05	003	A84196B	84315B-037	08	018	A84217E	700946	09	002
A84148A	80490C	05	004	A84196B	19083	08	019	A84217E	83553J	09	003
A84148A	80642B	05	005	A84196B	10001	08	020	A84217E	18353	09	004

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A84217E	19088	09	005	A84233A	55415	10	007	A84245A	10044	03	003
A84217E	18352	09	006	A84233A	55416	10	008	A84245A	10183	03	004
A84217E	83525C	09	007	A84233A	55417	10	009	A84245A	25912	03	005
A84217E	83524C	09	008	A84233A	84041A	10	010	A84245A	10164	03	006
A84217E	52350	09	009	A84233A	55418	10	011	A84245A	17413	03	007
A84217E	53726	09	010	A84233A	55419	10	012	A84245A	18949	03	008
A84217E	22605	09	011	A84233A	55420	10	013	A84245A	84384A	03	011
A84217E	10703	09	012	A84233A	55421	10	014	A84245A	A84245	03	099
A84217E	10179	09	013	A84233A	55422	10	015	A84257N	1002206	02	001
A84217E	25769	09	014	A84233A	55423	10	016	A84257N	1002213	02	002
A84217E	915153	09	015	A84233A	914916	10	017	A84257N	10014	02	003
A84217E	915441	09	016	A84233A	55424	10	018	A84257N	17413	02	004
A84217E	19198	09	017	A84233A	55425	10	019	A84257N	10164	02	005
A84217E	16999	09	018	A84233A	51461	10	020	A84257N	56165	02	006
A84217E	17547	09	019	A84233A	22048	10	021	A84257N	80572T	02	007
A84217E	12867	09	020	A84233A	28537	10	022	A84257N	10014	02	008
A84217E	22048	09	021	A84233A	12867	10	023	A84257N	17413	02	009
A84217E	28537	09	022	A84233A	55426	10	024	A84257N	10164	02	010
A84217E	10001	09	023	A84233A	55427	10	025	A84257N	56165	02	015
A84217E	15675	09	024	A84233A	55428	10	026	A84257N	56161	02	017
A84217E	10162	09	025	A84233A	55429	10	027	A84257N	80572E	02	019
A84217E	A84217	09	099	A84233A	55430	10	028	A84257N	10014	02	020
A84230E	83454B	09	001	A84233A	55431	10	029	A84257N	17413	02	021
A84230E	83553A	09	002	A84233A	22068	10	030	A84257N	10164	02	022
A84230E	83553B	09	003	A84233A	10176	10	031	A84257N	A84257	02	099
A84230E	83553U	09	004	A84233A	56118	10	032	A84261A	83513E	02	001
A84230E	83553F	09	005	A84233A	25321	10	033	A84261A	27822	02	002
A84230E	83455A	09	006	A84233A	52366	10	034	A84261A	84448A	02	003
A84230E	53806-05	09	007	A84233A	18634	10	035	A84261A	10072	02	004
A84230E	25128	09	008	A84233A	986549	10	036	A84261A	53775	02	006
A84230E	52350	09	009	A84233A	A84233	10	099	A84261A	10016	02	007
A84230E	22605	09	010	A84242A	80591A	02	001	A84261A	17413	02	008
A84230E	83630A	09	016	A84242A	10180	02	002	A84261A	10164	02	009
A84230E	53806-08	09	018	A84242A	80593A	02	003	A84261A	83710A	02	010
A84230E	52366	09	019	A84242A	10014	02	004	A84261A	10065	02	011
A84230E	84688B	09	020	A84242A	17413	02	005	A84261A	12185	02	012
A84230E	56373	09	021	A84242A	83052A	02	006	A84261A	10169	02	013
A84230E	18053	09	022	A84242A	83053A	02	007	A84261A	A84261	02	099
A84230E	56374-06	09	023	A84242A	10584	02	008	A84263G	79849C	02	001
A84230E	21462	09	024	A84242A	83052B	02	009	A84263G	80820W	02	003
A84230E	84699A	09	025	A84242A	83239A	02	010	A84263G	80820X	02	004
A84230E	21455	09	026	A84242A	83052C	02	011	A84263G	80820Y	02	005
A84230E	25253	09	027	A84242A	83052E	02	012	A84263G	81281K	02	006
A84230E	A84230	09	030	A84242A	80589A	02	013	A84263G	80309H	02	007
A84233A	84002A	10	001	A84242A	80589H	02	014	A84263G	82666C	02	008
A84233A	84002B	10	002	A84242A	25270	02	015	A84263G	83681F	02	009
A84233A	55331	10	003	A84242A	83239A	02	016	A84263G	84037A	02	010
A84233A	21612	10	004	A84242A	A84242	02	020	A84263G	10033	02	011
A84233A	84089C	10	005	A84245A	80497C	03	001	A84263G	24777	02	012
A84233A	84089E	10	006	A84245A	84373B	03	002	A84263G	17412	02	013

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A84263G	14740	02	014	A84563T	10164	09	006	A84788N	55553	09	002
A84263G	84068A	02	015	A84563T	A84563	09	010	A84788N	1009426	09	003
A84263G	A84263	02	099	A84585A	84583A	02	001	A84788N	56372	09	004
A84375E	57158	09	001	A84585A	84584A	02	002	A84788N	53656	09	005
A84375E	53764	09	002	A84585A	A84585	02	099	A84788N	23455	09	006
A84375E	10107	09	003	A84726A	55178	10	001	A84788N	1051091	09	007
A84375E	52150	09	004	A84726A	55178	10	002	A84788N	55874	09	010
A84375E	52369	09	005	A84726A	56641	10	003	A84788N	85591A	09	011
A84375E	10181	09	006	A84726A	56641	10	004	A84788N	15981	09	012
A84375E	12007	09	007	A84726A	A84726	10	099	A84788N	55884-035	09	014
A84375E	82326A	09	008	A84735F	A84734A	02	001	A84788N	22465	09	015
A84375E	N84375B	09	010	A84735F	A84734A	02	002	A84788N	10032	09	016
A84375E	A84375	09	020	A84735F	A84735	02	098	A84788N	56155	09	017
A84391A	A84391	03	099	A84735F	N84735F	02	099	A84788N	10030	09	018
A84399A	83180C	09	001	A84776C	ENGINE	04	001	A84788N	17453	09	019
A84399A	10543	09	002	A84776C	ALTERNATO	04	002	A84788N	51965	09	020
A84414A	28649	02	001					A84788N	1009442	09	021
A84414A	78154G	02	002	A84776C	84219E	04	003	A84788N	71778A	09	022
A84414A	10044	02	003	A84776C	80253U	04	004	A84788N	25243	09	023
A84414A	913240	02	004	A84776C	80253V	04	005	A84788N	29912	09	024
A84414A	10164	02	006	A84776C	62873E	04	007	A84788N	10029	09	025
A84414A	17413	02	007	A84776C	62873F	04	008	A84788N	17412	09	026
A84414A	980074	02	008	A84776C	62873G	04	009	A84788N	22465	09	027
A84414A	A84414	02	010	A84776C	65883A	04	010	A84788N	55354	09	028
A84482EE	57073	07	001	A84776C	65884A	04	011	A84788N	55355	09	029
A84482EE	61372G	07	002	A84776C	951674	04	012	A84788N	54442-135	09	030
A84482EE	57078	07	003	A84776C	951675	04	013	A84788N	54436-135	09	031
A84482EE	57075	07	004	A84776C	951676	04	014	A84788N	54435-067	09	032
A84482EE	22775	07	005	A84776C	56359	04	015	A84788N	54455-194	09	033
A84482EE	56779	07	006	A84776C	14569	04	017	A84788N	17141	09	035
A84482EE	56778	07	007	A84776C	10183	04	019	A84788N	19083	09	036
A84482EE	52970	07	008	A84776C	10095	04	020	A84788N	10011	09	038
A84482EE	25187	07	009	A84776C	10186	04	021	A84788N	948634	09	039
A84482EE	902990	07	010	A84776C	10065	04	022	A84788N	22140	09	041
A84482EE	57077	07	011	A84776C	10099	04	024	A84788N	18402	09	042
A84482EE	66130V	07	012	A84776C	55574-80	04	027	A84788N	26887	09	043
A84482EE	86314B	07	015	A84776C	12333	04	028	A84788N	22755	09	045
A84482EE	A84482	07	020	A84776C	85855A	04	029	A84788N	10015	09	052
A84563S	85971E	09	001	A84776C	951347	04	030	A84788N	17413	09	054
A84563S	N84563H	09	002	A84776C	85855A	04	031	A84788N	84938A	09	055
A84563S	10012	09	005	A84776C	913240	04	034	A84788N	62364W	09	056
A84563S	10164	09	006	A84776C	56035	04	035	A84788N	62364X	09	057
A84563S	N84563S	09	007	A84776C	26118	04	036	A84788N	17412	09	058
A84563S	24583	09	008	A84776C	10184	04	037	A84788N	85590A	09	059
A84563S	20641	09	009	A84776C	85237A	04	038	A84788N	10137	09	060
A84563S	22755	09	010	A84776C	85237A	04	039	A84788N	10014	09	063
A84563S	A84563	09	015	A84776C	T4831	04	049	A84788N	17142	09	064
A84563T	85971F	09	001	A84776C	N84776B	04	050	A84788N	10164	09	065
A84563T	N84563H	09	002	A84776C	A84776	04	099	A84788N	69743N	09	070
A84563T	10012	09	005	A84788N	83418A	09	001	A84788N	11103	09	071

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A84788N	10180	09	072	A84963F	20122	04	052	A85100B	1032440	09	018
A84788N	83535E	09	080	A84963F	1015405	04	053	A85100B	56241	09	019
A84788N	83535F	09	081	A84963F	55413	04	054	A85100B	85029A	09	020
A84788N	86095E	09	090	A84963F	56323	04	055	A85100B	85086A	09	021
A84788N	NA84788N	09	091	A84963F	1015355	04	056	A85100B	947358	09	022
A84788N	A84788	09	099	A84963F	54488	04	057	A85100B	85087A	09	023
A84963F	27796	04	003	A84963F	54489	04	058	A85100B	84594A	09	024
A84963F	19912	04	004	A84963F	54485	04	061	A85100B	85085A	09	025
A84963F	24146	04	005	A84963F	948634	04	062	A85100B	85085B	09	026
A84963F	980046	04	006	A84963F	12555	04	065	A85100B	85085C	09	027
A84963F	54479	04	007	A84963F	10162	04	066	A85100B	85085E	09	028
A84963F	85458E-098	04	008	A84963F	10012	04	081	A85100B	85085K	09	029
A84963F	56351	04	009	A84963F	10164	04	083	A85100B	85085M	09	030
A84963F	57211-1018	04	010	A84963F	17143	04	088	A85100B	84299S	09	031
A84963F	21271	04	011	A84963F	84211G	04	090	A85100B	84299T	09	032
A84963F	18939	04	012	A84963F	84211H	04	091	A85100B	84429A	09	033
A84963F	17142	04	013	A84963F	72108C	04	092	A85100B	85083A	09	035
A84963F	17826	04	014	A84963F	69546A	04	093	A85100B	85083B	09	036
A84963F	17826	04	015	A84963F	54480	04	099	A85100B	85083C	09	037
A84963F	79022B	04	016	A84963F	54481	04	100	A85100B	85083E	09	038
A84963F	10136	04	017	A84963F	53322	04	103	A85100B	85083F	09	039
A84963F	10126	04	018	A84963F	A84963	04	199	A85100B	85083G	09	040
A84963F	10164	04	019	A85063R	55896	07	001	A85100B	85083H	09	041
A84963F	FILTER,FUEL	04	020	A85063R	83043B	07	002	A85100B	85083J	09	042
				A85063R	55499	07	003	A85100B	85084A	09	043
A84963F	947811	04	024	A85063R	78248C	07	005	A85100B	85084B	09	044
A84963F	61902C	04	025	A85063R	55389	07	006	A85100B	85084C	09	045
A84963F	24264	04	026	A85063R	18978	07	007	A85100B	85084E	09	046
A84963F	21645	04	027	A85063R	10186	07	008	A85100B	85084F	09	047
A84963F	16200	04	028	A85063R	86404D	07	010	A85100B	85084G	09	048
A84963F	947812	04	029	A85063R	56087-875	07	011	A85100B	85084H	09	049
A84963F	1025186	04	031	A85063R	56086-950	07	012	A85100B	85084J	09	050
A84963F	21282	04	032	A85063R	A85063	07	020	A85100B	85084K	09	051
A84963F	1003720	04	033	A85100B	85023B	09	001	A85100B	85084M	09	052
A84963F	54482	04	034	A85100B	85081C	09	002	A85100B	85084N	09	053
A84963F	29439	04	035	A85100B	85081E	09	003	A85100B	85084P	09	054
A84963F	54483	04	036	A85100B	25825	09	004	A85100B	85084S	09	055
A84963F	56172	04	039	A85100B	26690	09	005	A85100B	85084T	09	056
A84963F	17701	04	040	A85100B	84181A	09	006	A85100B	85084U	09	057
A84963F	10350	04	041	A85100B	25808	09	007	A85100B	85084V	09	058
A84963F	24261	04	042	A85100B	84572B	09	008	A85100B	85084W	09	059
A84963F	25588	04	043	A85100B	25808	09	009	A85100B	55863	09	060
A84963F	27586	04	044	A85100B	85026A	09	010	A85100B	55865	09	061
A84963F	83405E	04	045	A85100B	85026B	09	011	A85100B	22603	09	062
A84963F	51853	04	046	A85100B	PANEL	09	012	A85100B	56107	09	063
A84963F	52427	04	047	A85100B	PANEL	09	013	A85100B	85088A	09	064
A84963F	986177	04	048	A85100B	PANEL	09	014	A85100B	10649	09	065
A84963F	11710	04	049	A85100B	PANEL	09	015	A85100B	10163	09	066
A84963F	56168	04	050	A85100B	85028A	09	016	A85100B	26895	09	067
A84963F	56169	04	051	A85100B	23602	09	017	A85100B	26151	09	068

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A85100B	52323	09	069	A85142K	25769	09	029	A85142K	22603	09	088
A85100B	52324	09	070	A85142K	53448	09	031	A85142K	55482	09	091
A85100B	10162	09	071	A85142K	53469	09	032	A85142K	56205	09	092
A85100B	19593	09	072	A85142K	26887	09	033	A85142K	19147	09	093
A85100B	15675	09	073	A85142K	56567	09	034	A85142K	19148	09	094
A85100B	10001	09	075	A85142K	53898	09	035	A85142K	56247	09	095
A85100B	15675	09	076	A85142K	57201	09	039	A85142K	83262S	09	096
A85100B	52498	09	080	A85142K	83261F	09	041	A85142K	83337C	09	097
A85100B	947118	09	081	A85142K	83261H	09	042	A85142K	83337F	09	098
A85100B	56247	09	083	A85142K	83261N	09	043	A85142K	83342B	09	099
A85100B	24582	09	084	A85142K	83261Y	09	044	A85142K	25487	09	100
A85100B	20691	09	085	A85142K	83262B	09	045	A85142K	22048	09	101
A85100B	A85100	09	099	A85142K	83262E	09	046	A85142K	12867	09	102
A85115A	53345	09	001	A85142K	83262G	09	047	A85142K	28537	09	103
A85115A	16732	09	002	A85142K	83262K	09	048	A85142K	53898	09	105
A85115A	10179	09	003	A85142K	83263A	09	049	A85142K	26151	09	106
A85115A	56270	09	004	A85142K	83337B	09	050	A85142K	A85142	09	199
A85115A	10126	09	005	A85142K	83338B	09	051	A85185A	83769C	05	001
A85115A	56271	09	006	A85142K	83338C	09	052	A85185A	55534	05	002
A85115A	56272	09	007	A85142K	83338J	09	053	A85185A	10164	05	003
A85115A	25813	09	008	A85142K	83338K	09	054	A85185A	81238E	05	004
A85115A	25813	09	009	A85142K	83339C	09	055	A85185A	28827	05	005
A85115A	56370	09	010	A85142K	83339G	09	056	A85185A	84166B	05	006
A85115A	A85115	09	099	A85142K	83339K	09	057	A85185A	78347C	05	007
A85142K	25650	09	001	A85142K	83339S	09	058	A85185A	55533	05	008
A85142K	10122	09	002	A85142K	83340A	09	059	A85185A	55536	05	009
A85142K	10124	09	003	A85142K	83340B	09	060	A85185A	81238B	05	010
A85142K	15874	09	004	A85142K	83545A	09	062	A85185A	28829	05	011
A85142K	10178	09	005	A85142K	83545B	09	063	A85185A	84166A	05	012
A85142K	21968	09	006	A85142K	947118	09	066	A85185A	55535	05	013
A85142K	16999	09	007	A85142K	28309	09	067	A85185A	55539	05	014
A85142K	22048	09	008	A85142K	57034	09	068	A85185A	56156	05	015
A85142K	12867	09	009	A85142K	83339T	09	069	A85185A	10218	05	016
A85142K	10162	09	010	A85142K	28310	09	070	A85185A	10431	05	017
A85142K	52322	09	011	A85142K	24717	09	071	A85185A	56441	05	018
A85142K	18352	09	012	A85142K	70321A	09	072	A85185A	55252	05	019
A85142K	19085	09	013	A85142K	69044B	09	073	A85185A	12349	05	020
A85142K	56275	09	014	A85142K	69044F	09	074	A85185A	84447A	05	021
A85142K	19395	09	015	A85142K	24641	09	075	A85185A	56257	05	022
A85142K	20167	09	016	A85142K	22068	09	077	A85185A	26205	05	023
A85142K	20926	09	017	A85142K	77214C	09	078	A85185A	10183	05	024
A85142K	17547	09	018	A85142K	16820	09	079	A85185A	10150	05	025
A85142K	24121	09	019	A85142K	16821	09	080	A85185A	10001	05	026
A85142K	25662	09	020	A85142K	55980	09	081	A85185A	10162	05	027
A85142K	22883	09	021	A85142K	55697	09	082	A85185A	84388A	05	028
A85142K	27647	09	022	A85142K	83262P	09	083	A85185A	10256	05	029
A85142K	28537	09	023	A85142K	83342A	09	084	A85185A	55893	05	030
A85142K	83276B	09	024	A85142K	1102852	09	085	A85185A	10649	05	031
A85142K	56265	09	025	A85142K	17809	09	086	A85185A	10179	05	032
A85142K	52498	09	027	A85142K	22604	09	087	A85185A	84301F-040	05	033

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A85185A	53365-1216	05	034	A85196B	83456B	09	001	A85224D	82993M	07	008
A85185A	53360-1216	05	035	A85196B	83457H	09	002	A85224D	82836H	07	009
A85185A	84301F-050	05	036	A85196B	53728	09	004	A85224D	82837B	07	010
A85185A	17141	05	037	A85196B	83458A	09	005	A85224D	82834B	07	011
A85185A	53367-1212	05	038	A85196B	11107	09	006	A85224D	27139	07	012
A85185A	17413	05	039	A85196B	10165	09	007	A85224D	913240	07	013
A85185A	A85185	05	099	A85196B	18068	09	008	A85224D	57028	07	014
A85186G	56090	05	001	A85196B	10015	09	009	A85224D	83634A	07	015
A85186G	55507	05	002	A85196B	A85196	09	010	A85224D	83633A	07	016
A85186G	22549	05	003	A85221H	AXLEBOX	07	001	A85224D	84077C	07	017
A85186G	84202J	05	004	A85221H	84149H	07	002	A85224D	16965	07	018
A85186G	55566	05	005	A85221H	83026C	07	003	A85224D	80289C	07	019
A85186G	55668	05	006	A85221H	80289G	07	004	A85224D	56087-625	07	020
A85186G	82273E	05	007	A85221H	947095	07	005	A85224D	80289E	07	021
A85186G	82274B	05	008	A85221H	86404A	07	006	A85224D	86404B	07	022
A85186G	82272B	05	009	A85221H	56087-775	07	007	A85224D	56086-700	07	023
A85186G	17412	05	010	A85221H	56086-850	07	008	A85224D	82853A	07	024
A85186G	52057	05	011	A85221H	82714A	07	009	A85224D	55283	07	025
A85186G	901528	05	012	A85221H	55283	07	010	A85224D	82714A	07	026
A85186G	10183	05	013	A85221H	82853C	07	011	A85224D	82853B	07	027
A85186G	53245	05	014	A85221H	84161E	07	012	A85224D	947095	07	028
A85186G	52066	05	015	A85221H	51267	07	013	A85224D	80289G	07	029
A85186G	10027	05	016	A85221H	51266	07	014	A85224D	56087-775	07	030
A85186G	24777	05	017	A85221H	15605	07	015	A85224D	86404G	07	031
A85186G	10028	05	018	A85221H	61830G	07	016	A85224D	56086-850	07	032
A85186G	17744	05	019	A85221H	80308B	07	017	A85224D	82853C	07	033
A85186G	84252A	05	020	A85221H	18782	07	018	A85224D	85977C	07	034
A85186G	10058	05	021	A85221H	17412	07	019	A85224D	82714C	07	035
A85186G	52387	05	022	A85221H	913745	07	020	A85224D	17744	07	036
A85186G	1000683	05	023	A85221H	24560	07	021	A85224D	913745	07	037
A85186G	1000261	05	024	A85221H	80306A	07	022	A85224D	55994	07	038
A85186G	600006C2	05	025	A85221H	20508	07	023	A85224D	A85224	07	099
A85186G	913240	05	026	A85221H	51131	07	024	A85225W	57110	07	001
A85186G	84300K-091	05	027	A85221H	51133	07	025	A85225W	80289G	07	002
A85186G	84300M-075	05	028	A85221H	51135	07	026	A85225W	947095	07	003
A85186G	84300M-072	05	029	A85221H	17744	07	027	A85225W	82714C	07	005
A85186G	1004454	05	030	A85221H	25111	07	028	A85225W	55283	07	006
A85186G	1004455	05	031	A85221H	65456A	07	029	A85225W	17744	07	007
A85186G	1004296	05	032	A85221H	17921	07	033	A85225W	913745	07	008
A85186G	84396A	05	035	A85221H	85764C	07	034	A85225W	86404G	07	011
A85186G	55692	05	036	A85221H	56860	07	035	A85225W	56087-775	07	012
A85186G	1000144	05	037	A85221H	A85221	07	099	A85225W	56086-850	07	013
A85186G	52107	05	038	A85221H	N85221A	07	100	A85225W	86404A	07	014
A85186G	84211X	05	039	A85224D	FRONTAXLE	07	001	A85225W	A85225	07	020
A85186G	82320E	05	045	A85224D	83632F	07	002	A85246B	55397	04	001
A85186G	52117	05	046	A85224D	82835B	07	003	A85246B	23254	04	002
A85186G	10164	05	047	A85224D	53899	07	004	A85246B	23215	04	003
A85186G	55908	05	048	A85224D	53900	07	005	A85246B	23216	04	004
A85186G	N85186G	05	099	A85224D	82838B	07	006	A85246B	10044	04	005
A85186G	A85186	05	100	A85224D	82839B	07	007	A85246B	10183	04	006

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A85246B	1000995	04	007	A85248E	1004455	04	016	A85399A	56177	05	001
A85246B	10043	04	008	A85248E	84885G	04	017	A85399A	53360-1620	05	002
A85246B	1002856	04	009	A85248E	916417	04	018	A85399A	84487E	05	003
A85246B	1002397	04	010	A85248E	84885N	04	021	A85399A	55142	05	004
A85246B	1002398	04	011	A85248E	85007A	04	022	A85399A	986163	05	005
A85246B	84911X	04	012	A85248E	55883-30	04	023	A85399A	56178	05	006
A85246B	84911Y	04	013	A85248E	84886V	04	024	A85399A	53360-1616	05	007
A85246B	84928Y	04	014	A85248E	84886W	04	025	A85399A	24275	05	008
A85246B	84928Z	04	015	A85248E	56125	04	026	A85399A	15202	05	009
A85246B	22981	04	019	A85248E	1002391	04	027	A85399A	10180	05	010
A85246B	56139	04	020	A85248E	57015	04	029	A85399A	12478	05	011
A85246B	1002395	04	021	A85248E	1015317	04	030	A85399A	53365-1616	05	012
A85246B	1002393	04	022	A85248E	1024822	04	031	A85399A	950299	05	013
A85246B	78492A	04	023	A85248E	54486	04	032	A85399A	84211J	05	014
A85246B	72429A	04	024	A85248E	947812	04	033	A85399A	25601	05	016
A85246B	34021	04	025	A85248E	10332	04	034	A85399A	56206	05	017
A85246B	22324	04	026	A85248E	29169	04	035	A85399A	55943	05	018
A85246B	85068A	04	027	A85248E	56172	04	036	A85399A	55944	05	019
A85246B	28865	04	028	A85248E	1025131	04	037	A85399A	84693C	05	020
A85246B	10016	04	029	A85248E	24809	04	039	A85399A	10013	05	021
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A85246B	51309	04	031	A85248E	24809	04	041	A85399A	17413	05	023
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A85246B	24546	04	033	A85248E	69712H	04	055	A85399A	948634	05	025
A85246B	1024104	04	034	A85248E	714026C1	04	056	A85399A	17143	05	026
A85246B	51793	04	035	A85248E	85600A	04	057	A85399A	10011	05	027
A85246B	25625	04	036	A85248E	10013	04	058	A85399A	84306G-177	05	030
A85246B	19267	04	037	A85248E	17413	04	059	A85399A	84303G-269	05	031
A85246B	22674	04	039	A85248E	A85248	04	099	A85399A	84303G-165	05	032
A85246B	78492B	04	040	A85283B	51675	03	001	A85399A	84427A	05	033
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A85246B	10015	04	042	A85283B	56100	03	003	A85399A	55718	05	035
A85246B	7980	04	043	A85283B	52741	03	004	A85399A	55719	05	036
A85246B	1014913	04	044	A85283B	67901M	03	005	A85399A	16429	05	037
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A85248E	84885P	04	001	A85283B	17413	03	008	A85399A	10122	05	040
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A85248E	84885A	04	003	A85283B	10180	03	011	A85399A	20691	05	043
A85248E	1023693	04	004	A85283B	18939	03	012	A85399A	20707	05	044
A85248E	55883-40	04	005	A85283B	948634	03	013	A85399A	20708	05	045
A85248E	10181	04	006	A85283B	53412	03	015	A85399A	20632	05	046
A85248E	85435K	04	007	A85283B	53452	03	016	A85399A	56299	05	047
A85248E	84886H	04	008	A85283B	53473	03	017	A85399A	53803	05	048
A85248E	52997	04	009	A85283B	53408	03	018	A85399A	82933G	05	049
A85248E	1002389	04	010	A85283B	56099	03	022	A85399A	84024F	05	050
A85248E	60702A	04	011	A85283B	84386E	03	023	A85399A	25487	05	051
A85248E	1002396	04	012	A85283B	83848J	03	050	A85399A	23394	05	052
A85248E	56174	04	013	A85283B	NA85283B1	03	098	A85399A	24582	05	053
A85248E	84885B	04	015	A85283B	A85283	03	099	A85399A	A85399	05	099

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A85412A	25813	09	004
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A85440B	86407A	07	001
A85440B	56484	07	002
A85440B	10180	07	003
A85440B	10012	07	004
A85440B	56485	07	005
A85440B	A85440	07	099
A85476A	56510	03	001
A85476A	85475A	03	002
A85476A	85486A	03	003
A85476A	10001	03	004
A85476A	10162	03	005
A85476A	10178	03	006
A85476A	34083	03	007
A85476A	16378	03	008
A85476A	22048	03	009
A85476A	28537	03	010
A85476A	1019278	03	011
A85476A	17808	03	012
A85476A	16999	03	013
A85476A	24121	03	014
A85476A	24717	03	015
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A85476A	22068	03	018
A85476A	25253	03	019
A85476A	18666	03	020
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A85476A	10164	03	022
A85476A	17413	03	023
A85476A	18402	03	024
A85476A	12867	03	025
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A85589C	74245T	02	001
A85589C	74245U	02	002
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A85589C	56620	02	004
A85589C	10170	02	005
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A85794A	84912P	04	001
A85794A	84912T	04	002
A85794A	84912K	04	003
A85794A	84912M	04	004
A85794A	84912U	04	005
A85794A	84707A	04	006
A85794A	11103	04	007
A85794A	10164	04	008
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A85794A	25253	04	010
A85794A	26749	04	011
A85794A	26717	04	012
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A85794A	84724B	04	014
A85794A	55387	04	015
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A85794A	55386	04	026
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A85794A	55885-40	04	028
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A85894A	55723	05	032
A85894A	53363-0808	05	034
A85894A	53360-1208	05	035
A85894A	55561	05	037
A85894A	53364-0808	05	038
A85894A	56396	05	039
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A85894A	10004	05	057
A85894A	10162	05	058
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A85894A	10002	05	061
A85894A	53373-0408	05	063
A85894A	53366-0808	05	064
A85894A	53383-1616	05	069
A85894A	1007418	05	071
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A85894A	10008	05	073	A85895A	53363-0404	05	014	A85895A	69546C	05	112
A85894A	10179	05	074	A85895A	53363-0808	05	015	A85895A	80296A	05	116
A85894A	56857	05	075	A85895A	53364-0808	05	016	A85895A	1000449	05	120
A85894A	53363-0404	05	076	A85895A	53375-0404	05	017	A85895A	1000142	05	121
A85894A	56115	05	077	A85895A	53360-0404	05	018	A85895A	52084	05	122
A85894A	1000323	05	078	A85895A	84315C-191	05	020	A85895A	53360-1212	05	142
A85894A	85376A	05	079	A85895A	84303C-197	05	021	A85895A	17413	05	151
A85894A	84360J-069	05	080	A85895A	84315C-203	05	022	A85895A	84303C-036	05	154
A85894A	84360J-079	05	081	A85895A	84315C-197	05	023	A85895A	84317A-220	05	156
A85894A	84360K-052	05	082	A85895A	84301A-202	05	024	A85895A	84211M	05	157
A85894A	56427	05	083	A85895A	85190H-116	05	025	A85895A	18939	05	162
A85894A	84360J-073	05	084	A85895A	1004452	05	026	A85895A	18367	05	163
A85894A	84360J-124	05	085	A85895A	NA85180A	05	027	A85895A	84211J	05	164
A85894A	84361H-081	05	086	A85895A	1004451	05	028	A85895A	53365-0404	05	165
A85894A	84361H-125	05	087	A85895A	84341F-055	05	029	A85895A	84446A	05	166
A85894A	84315C-255	05	088	A85895A	84341F-057	05	030	A85895A	53363-0404	05	167
A85894A	84315C-255	05	090	A85895A	53386-1212	05	031	A85895A	53390-1208	05	168
A85894A	84315C-255	05	092	A85895A	53363-1212	05	032	A85895A	19083	05	169
A85894A	84555E	05	094	A85895A	84330F-016	05	033	A85895A	53379-1212	05	171
A85894A	84380W	05	096	A85895A	84330F-079	05	034	A85895A	52175	05	172
A85894A	53360-1616	05	102	A85895A	84330F-048	05	035	A85895A	A85895	05	199
A85894A	84211E	05	110	A85895A	84330F-048	05	036	A85896D	56417	05	001
A85894A	84211N	05	111	A85895A	1004451	05	038	A85896D	83954K	05	002
A85894A	84211M	05	112	A85895A	16403	05	039	A85896D	53360-0404	05	003
A85894A	A84393A	05	113	A85895A	55508	05	040	A85896D	55319	05	004
A85894A	18902	05	114	A85895A	53366-0404	05	041	A85896D	10535	05	005
A85894A	1001013	05	115	A85895A	26205	05	042	A85896D	10179	05	006
A85894A	21956	05	116	A85895A	10046	05	043	A85896D	17410	05	007
A85894A	10012	05	117	A85895A	84340G-052	05	044	A85896D	53360-0808	05	008
A85894A	10164	05	118	A85895A	84340G-062	05	045	A85896D	10178	05	009
A85894A	17413	05	119	A85895A	53363-1210	05	046	A85896D	53856	05	010
A85894A	A84393K	05	120	A85895A	84301F-087	05	047	A85896D	52158	05	011
A85894A	84211N	05	121	A85895A	53360-0808	05	048	A85896D	53360-0404	05	012
A85894A	84211M	05	122	A85895A	84376H-100	05	049	A85896D	15675	05	013
A85894A	55772	05	124	A85895A	1004453	05	050	A85896D	10480	05	014
A85894A	52057	05	126	A85895A	1007418	05	052	A85896D	10162	05	015
A85894A	A85894	05	199	A85895A	22685	05	053	A85896D	53932	05	016
A85895A	55450	05	001	A85895A	84303A-140	05	060	A85896D	85911A	05	017
A85895A	55445	05	002	A85895A	56857	05	063	A85896D	986412	05	018
A85895A	84635B	05	003	A85895A	52062	05	064	A85896D	52351	05	019
A85895A	55506	05	004	A85895A	947517	05	066	A85896D	84693H	05	020
A85895A	55585	05	005	A85895A	84657F	05	068	A85896D	22129	05	021
A85895A	83158A	05	006	A85895A	55652	05	069	A85896D	16821	05	022
A85895A	10541	05	007	A85895A	56781	05	070	A85896D	10182	05	023
A85895A	10181	05	008	A85895A	913745	05	080	A85896D	17744	05	024
A85895A	10027	05	009	A85895A	10012	05	101	A85896D	85605C	05	025
A85895A	10182	05	010	A85895A	10013	05	102	A85896D	84657F	05	026
A85895A	12730	05	011	A85895A	10164	05	103	A85896D	17413	05	027
A85895A	10180	05	012	A85895A	84211B	05	105	A85896D	53360-0606	05	028
A85895A	27661	05	013	A85895A	69546A	05	111	A85896D	53360-0406	05	029

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A85896D	28911	05	033	A85896D	84385P	05	124	A85898G	N85898G	02	100
A85896D	22465	05	034	A85896D	84303F-253	05	125	A86052K	82845C	07	001
A85896D	84657C	05	035	A85896D	84385N	05	127	A86052K	82845C	07	002
A85896D	52082	05	036	A85896D	84385M	05	128	A86052K	82852A	07	003
A85896D	1000448	05	037	A85896D	84315B-097	05	130	A86052K	82846A	07	004
A85896D	53362-0608	05	041	A85896D	84315B-161	05	131	A86052K	84092K	07	005
A85896D	84211C	05	043	A85896D	84659B-128	05	132	A86052K	82847B	07	006
A85896D	10012	05	047	A85896D	84659B-128	05	133	A86052K	83636A	07	007
A85896D	17142	05	048	A85896D	84661B-036	05	134	A86052K	83636B	07	008
A85896D	84211E	05	052	A85896D	84661B-036	05	135	A86052K	83636B	07	009
A85896D	10584	05	054	A85896D	84301B-315	05	136	A86052K	16927	07	010
A85896D	53386-0606	05	058	A85896D	84315B-326	05	137	A86052K	80289F	07	011
A85896D	53366-0404	05	062	A85896D	84303F-253	05	138	A86052K	1000519	07	012
A85896D	53366-0606	05	068	A85896D	85140A	05	140	A86052K	10100	07	013
A85896D	10011	05	070	A85896D	85140B	05	141	A86052K	12333	07	014
A85896D	19062	05	071	A85896D	53364-0808	05	145	A86052K	10029	07	015
A85896D	29081	05	075	A85896D	53379-0606	05	148	A86052K	913745	07	016
A85896D	53904	05	076	A85896D	53360-0608	05	149	A86052K	19614	07	017
A85896D	83553M	05	077	A85896D	53373-0406	05	156	A86052K	11399	07	018
A85896D	56152	05	078	A85896D	27661	05	157	A86052K	56995	07	019
A85896D	10004	05	079	A85896D	84755B	05	158	A86052K	61947K	07	021
A85896D	53363-0808	05	080	A85896D	55652	05	159	A86052K	56987	07	022
A85896D	53363-0606	05	081	A85896D	986270	05	160	A86052K	56988	07	023
A85896D	10163	05	084	A85896D	916359	05	161	A86052K	56986	07	024
A85896D	53855	05	085	A85896D	53360-1212	05	162	A86052K	70331B	07	025
A85896D	83214E	05	089	A85896D	22745	05	163	A86052K	82714B	07	029
A85896D	84241E	05	090	A85896D	53379-1212	05	164	A86052K	56998	07	035
A85896D	79022F	05	091	A85896D	84211G	05	166	A86052K	86074A	07	036
A85896D	17413	05	092	A85896D	84303F-032	05	168	A86052K	26205	07	037
A85896D	56781	05	093	A85896D	84755C	05	169	A86052K	10043	07	038
A85896D	56857	05	094	A85896D	52612	05	170	A86052K	57052	07	040
A85896D	53363-0404	05	095	A85896D	53360-1208	05	172	A86052K	52644	07	041
A85896D	55912	05	096	A85896D	51486	05	174	A86052K	28501	07	042
A85896D	84315B-119	05	101	A85896D	53365-0404	05	175	A86052K	A86052	07	099
A85896D	84301A-126	05	102	A85896D	53360-1212	05	183	A86052K	N86052K	07	100
A85896D	84303B-137	05	103	A85896D	84303F-059	05	184	A86082A	82345N	04	001
A85896D	84958A	05	104	A85896D	53360-0406	05	191	A86082A	82345Y	04	002
A85896D	84958B	05	105	A85896D	53363-0406	05	192	A86082A	10031	04	003
A85896D	85010S	05	106	A85896D	24725	05	193	A86082A	17412	04	004
A85896D	84315B-247	05	108	A85896D	26582	05	196	A86082A	24513	04	005
A85896D	84385S	05	109	A85896D	10126	05	197	A86082A	82295B	04	006
A85896D	84385T	05	110	A85896D	10013	05	198	A86082A	82295K	04	007
A85896D	84315C-189	05	115	A85896D	10164	05	199	A86082A	85353M	04	008
A85896D	84380V	05	117	A85896D	17413	05	200	A86082A	85353N	04	009
A85896D	84380U	05	118	A85896D	A85896	05	250	A86082A	85353F	04	010
A85896D	84380Z	05	119	A85898G	85888A	02	001	A86082A	83174K	04	011
A85896D	84377F	05	120	A85898G	84065G	02	002	A86082A	83654E	04	012
A85896D	84377F	05	121	A85898G	55088	02	003	A86082A	52624	04	013

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A86082A	81201A	04	016	A86175F	83615A	02	039	A86200E	83442F	06	002
A86082A	85491C	04	017	A86175F	83129A	02	042	A86200E	83443J	06	003
A86082A	85491E	04	018	A86175F	83129F	02	043	A86200E	18744	06	005
A86082A	55833	04	019	A86175F	10015	02	045	A86200E	23884	06	006
A86082A	10012	04	020	A86175F	10164	02	046	A86200E	19646	06	007
A86082A	10014	04	021	A86175F	17413	02	047	A86200E	83445A	06	008
A86082A	17413	04	022	A86175F	83798A	02	048	A86200E	17629	06	009
A86082A	82367C	04	023	A86175F	10013	02	049	A86200E	10547	06	010
A86082A	52126	04	025	A86175F	10164	02	050	A86200E	55563	06	020
A86082A	10183	04	026	A86175F	17413	02	051	A86200E	17491	06	027
A86082A	1000995	04	027	A86175F	86241A	02	052	A86200E	25177	06	028
A86082A	17146	04	028	A86175F	80571W	02	053	A86200E	1015712	06	029
A86082A	10137	04	029	A86175F	10044	02	054	A86200E	20081	06	030
A86082A	57176	04	030	A86175F	52127	02	055	A86200E	53369-0806	06	031
A86082A	57177	04	031	A86175F	913240	02	057	A86200E	84317C-049	06	032
A86082A	57180	04	032	A86175F	55621	02	062	A86200E	51701	06	033
A86082A	57179	04	033	A86175F	55622	02	063	A86200E	1001311	06	034
A86082A	57178	04	034	A86175F	55622	02	064	A86200E	53378-0808	06	037
A86082A	57529	04	035	A86175F	53452	02	065	A86200E	84317A-107	06	038
A86082A	57530	04	036	A86175F	85574E	02	070	A86200E	53322	06	039
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A86175F	80606R	02	001	A86175F	17413	02	073	A86200E	17413	06	042
A86175F	85259G	02	003	A86175F	85258C	02	080	A86200E	17481	06	044
A86175F	83122H	02	004	A86175F	85257E	02	081	A86200E	53367-0806	06	045
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A86175F	10044	02	013	A86175F	86288A	02	100	A86200E	17413	06	060
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A86175F	85359J	02	024	A86197B	83050H	02	003	A86200E	1001156	06	077
A86175F	14243	02	027	A86197B	84944N	02	004	A86200E	81612C	06	078
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A86200E	981877	06	086	A86200E	10023	06	178	A86226A	1001022	03	050
A86200E	10063	06	088	A86200E	N86200R	06	180	A86226A	62770A	03	051
A86200E	12185	06	089	A86200E	57151	06	182	A86226A	85914A	03	054
A86200E	10206	06	100	A86200E	A86200	06	199	A86226A	84372S	03	055
A86200E	18902	06	101	A86225A	71899B	03	001	A86226A	85241G	03	056
A86200E	17143	06	102	A86225A	71899F	03	002	A86226A	85241H	03	057
A86200E	21303	06	103	A86225A	17413	03	004	A86226A	85241E	03	061
A86200E	19083	06	104	A86225A	10011	03	005	A86226A	18366	03	062
A86200E	18402	06	105	A86225A	10164	03	006	A86226A	19358	03	063
A86200E	17691	06	107	A86225A	10180	03	007	A86226A	19361	03	064
A86200E	21678	06	108	A86225A	10001	03	008	A86226A	86205A	03	065
A86200E	51793	06	109	A86225A	10162	03	009	A86226A	18666	03	066
A86200E	29715	06	110	A86225A	10178	03	010	A86226A	A86226	03	099
A86200E	20805	06	111	A86225A	A86225	03	099	A86242A	79410Z	04	001
A86200E	17709	06	112	A86226A	85244J	03	001	A86242A	78775N	04	002
A86200E	24811	06	113	A86226A	85281J	03	002	A86242A	78775P	04	003
A86200E	17695	06	114	A86226A	85160E	03	003	A86242A	80819S	04	004
A86200E	20481	06	115	A86226A	85243V	03	004	A86242A	85939B	04	005
A86200E	17695	06	116	A86226A	56296	03	005	A86242A	86165C	04	006
A86200E	20077	06	117	A86226A	1000546	03	006	A86242A	85939C	04	007
A86200E	21692	06	118	A86226A	28512	03	007	A86242A	56897	04	008
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A86200E	25205	06	121	A86226A	17628	03	010	A86242A	52622	04	011
A86200E	21134	06	122	A86226A	53670	03	011	A86242A	85703F	04	012
A86200E	29216	06	123	A86226A	986205	03	012	A86242A	85703G	04	013
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A86200E	22767	06	125	A86226A	85243W	03	014	A86242A	85703J	04	015
A86200E	1024127	06	126	A86226A	18367	03	015	A86242A	17921	04	016
A86200E	1050618	06	127	A86226A	56861	03	016	A86242A	1014913	04	017
A86200E	20586	06	128	A86226A	1032108	03	018	A86242A	18763	04	018
A86200E	51604	06	129	A86226A	17143	03	019	A86242A	10002	04	019
A86200E	1024127	06	130	A86226A	84024F	03	020	A86242A	15675	04	020
A86200E	24837	06	131	A86226A	85243N	03	021	A86242A	10162	04	021
A86200E	84303B-064	06	132	A86226A	18945	03	025	A86242A	10027	04	023
A86200E	53363-0406	06	133	A86226A	913715	03	026	A86242A	22465	04	024
A86200E	53373-0612	06	134	A86226A	29928	03	027	A86242A	10182	04	025
A86200E	53564	06	135	A86226A	53416	03	028	A86242A	81226F	04	026
A86200E	53565	06	136	A86226A	25902	03	030	A86242A	21956	04	027
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A86200E	10330	06	138	A86226A	10162	03	032	A86242A	72429C	04	029
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A86200E	84516B	06	143	A86226A	10011	03	035	A86242A	10015	04	031
A86200E	52403	06	149	A86226A	10180	03	036	A86242A	10164	04	032
A86200E	52158	06	151	A86226A	10164	03	037	A86242A	17413	04	033
A86200E	56356	06	152	A86226A	17413	03	038	A86242A	18949	04	034
A86200E	10331	06	169	A86226A	10030	03	040	A86242A	15605	04	036
A86200E	18402	06	175	A86226A	22465	03	042	A86242A	10012	04	037
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A86242A	10027	04	044
A86242A	22465	04	045
A86242A	10182	04	046
A86242A	10127	04	047
A86242A	10012	04	048
A86242A	10164	04	049
A86242A	10126	04	050
A86242A	26205	04	051
A86242A	10126	04	052
A86242A	10128	04	053
A86242A	85946A	04	054
A86242A	27792	04	061
A86242A	22465	04	062
A86242A	A86242	04	099
A86319C	57163	09	001
A86319C	86320A	09	002
A86319C	53620	09	003
A86319C	56348	09	004
A86319C	15874	09	008
A86319C	22068	09	009
A86319C	22603	09	010
A86319C	20707	09	011
A86319C	20632	09	012
A86319C	20691	09	013
A86319C	22755	09	014
A86319C	A86319	09	020
A86352B	82819H	07	001
A86352B	79003G	07	002
A86352B	56325	07	003
A86352B	52924	07	004
A86352B	52956	07	005
A86352B	61796M	07	006
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A86352B	82513H	07	008
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A86352B	82513K	07	010
A86352B	82513M	07	011
A86352B	2715	07	012
A86352B	22324	07	013
A86352B	16780	07	014
A86352B	85138F	07	015
A86352B	24565	07	016
A86352B	10703	07	017
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A86352B	24465	07	020
A86352B	85463A	07	021
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A86352B	53360-0404	07	025
A86352B	55392	07	026
A86352B	85468A	07	027
A86352B	56496	07	028
A86352B	79003C	07	030
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A86828T	DISK3041T	03	002
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86017A	84506E	03	002
86022F	84506E	03	012