ATLAS COPCO
Drilling Solutions

PART LIST
MODEL: DML/LP
S/N: 8593

Atlas Copco Drilling Solutions, LLC
2100 North First Street
Garland, Texas, 75040
(972)496-7400

Read the instruction manual before operating this equipment.
This manual contains important safety information.
Do not destroy this manual.
This manual must be available to the personnel who operate and maintain this machine.

The Distributor/Dealer serving the area in which your equipment is working will be able to give you the BEST and FASTEST SERVICE of Genuine Replacement Parts.

IMPORTANT:

Be sure the parts book which you are ordering parts from is the parts book for the Drill needing the replacement parts! Each parts book is CUSTOM MADE to a specific Drill. All parts books have a Drill SERIAL NUMBER and MODEL DESCRIPTION on the header of each parts page. All Drills have a SERIAL NUMBER welded on the frame at the drilling end of the MAIN FRAME or CHASSIS.

YOU MUST USE THE CORRECT PARTS BOOK TO INSURE CORRECT PARTS IDENTIFICATION.

Continuing Product Improvement and advancement of product design may cause changes to your Drill which may not be reflected in this Parts/Service Manual. Production models may vary in some detail. Drilling Solutions reserves the right to modify or make changes without notice or obligation.

Parts Ordering Instructions

By giving complete information, you will enable us to fill your order correctly and avoid unnecessary delays!

When ordering Replacement Parts, specify:

1. Unit Serial Number
2. The Name of each part as listed
3. The Part Number as listed in your Partsbook.
4. Quantity of parts desired.

Refer all communications concerning this unit to our nearest Branch Office, Distributor, Dealer or Agent

WARNING IN THE MANUAL

CALIFORNIA PROPOSITION 65 INFORMATION

TO CALIFORNIA CUSTOMERS AND

TO CUSTOMERS SELLING DIESEL ENGINE EQUIPMENT

INTO OR FOR USE IN CALIFORNIA

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm.

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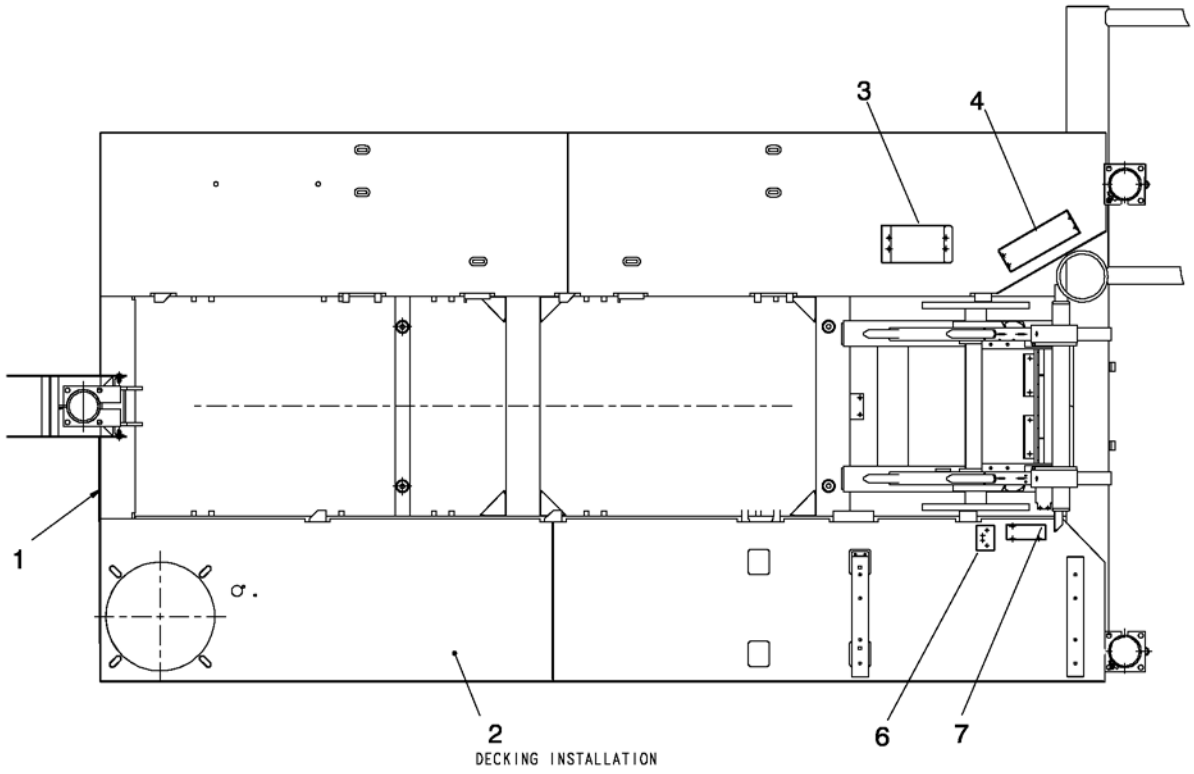

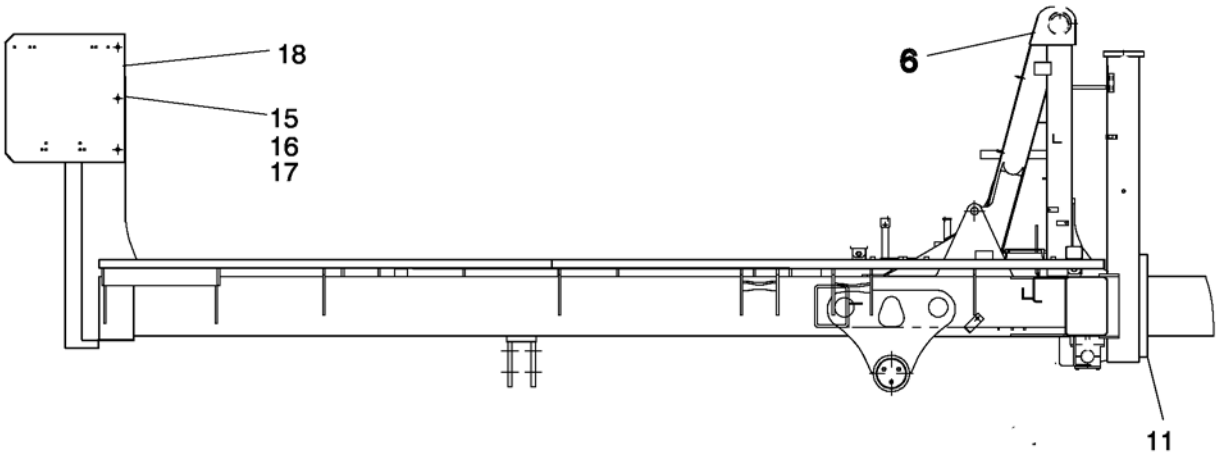

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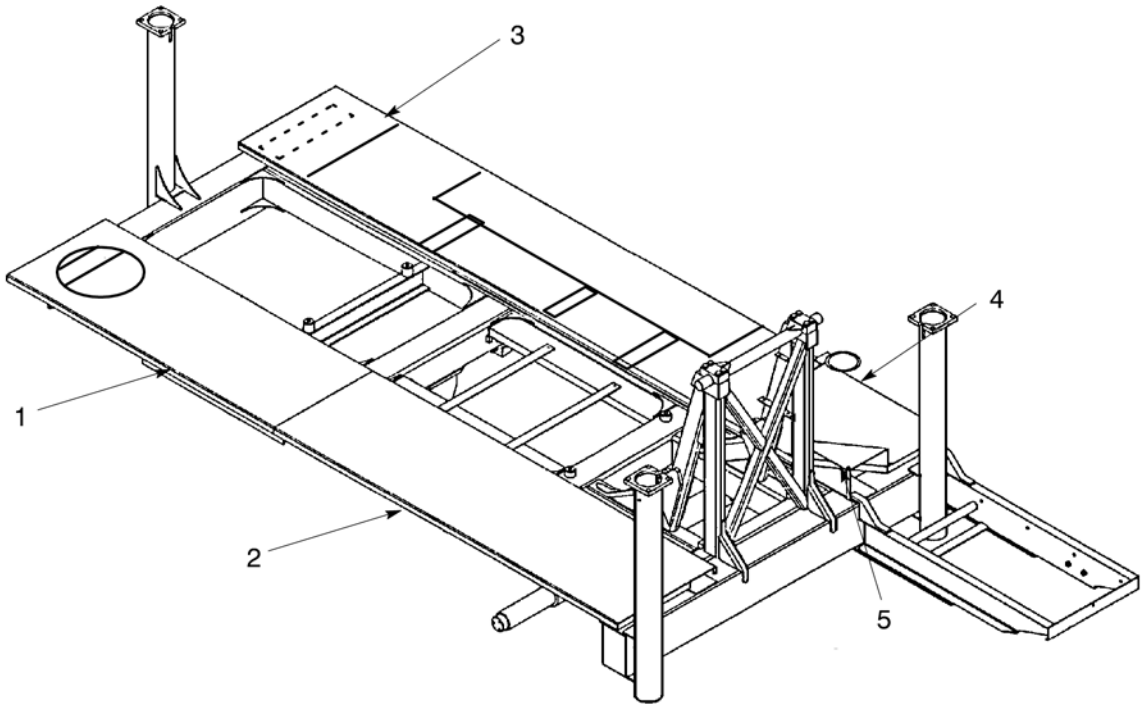
BOM 57761066

57761066 FRAME,MAIN,ASSM,DML

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57546137	1.0	EA	DECK ASM-DML,VERT REC	**See Page 4**
003.0	57656746	1.0	EA	BRACKET,MTG-6 SPOOL VLV	
-	95934592	2.0	EA	- CAPSCREW,HEX	
-	95922894	2.0	EA	- NUT,HEX	
-	95937413	2.0	EA	- WASHER,LOCK,HELICAL	
014.0	57019853	2.0	EA	PLATE	
015.0	95934451	6.0	EA	CAPSCREW,HEXHEAD,PLATED	
016.0	95934733	6.0	EA	WASHER,LOCK	
017.0	95922902	6.0	EA	NUT,HEX,FINISHED,PLATED	
019.0	52243789	3.0	EA	PLATE,MTG	
021.0	52235363	1.0	EA	BRACKET,OIL	
028.0	57728255	1.0	EA	BAR,TAPPED	

57546137 DECK ASM-DML,VERT REC



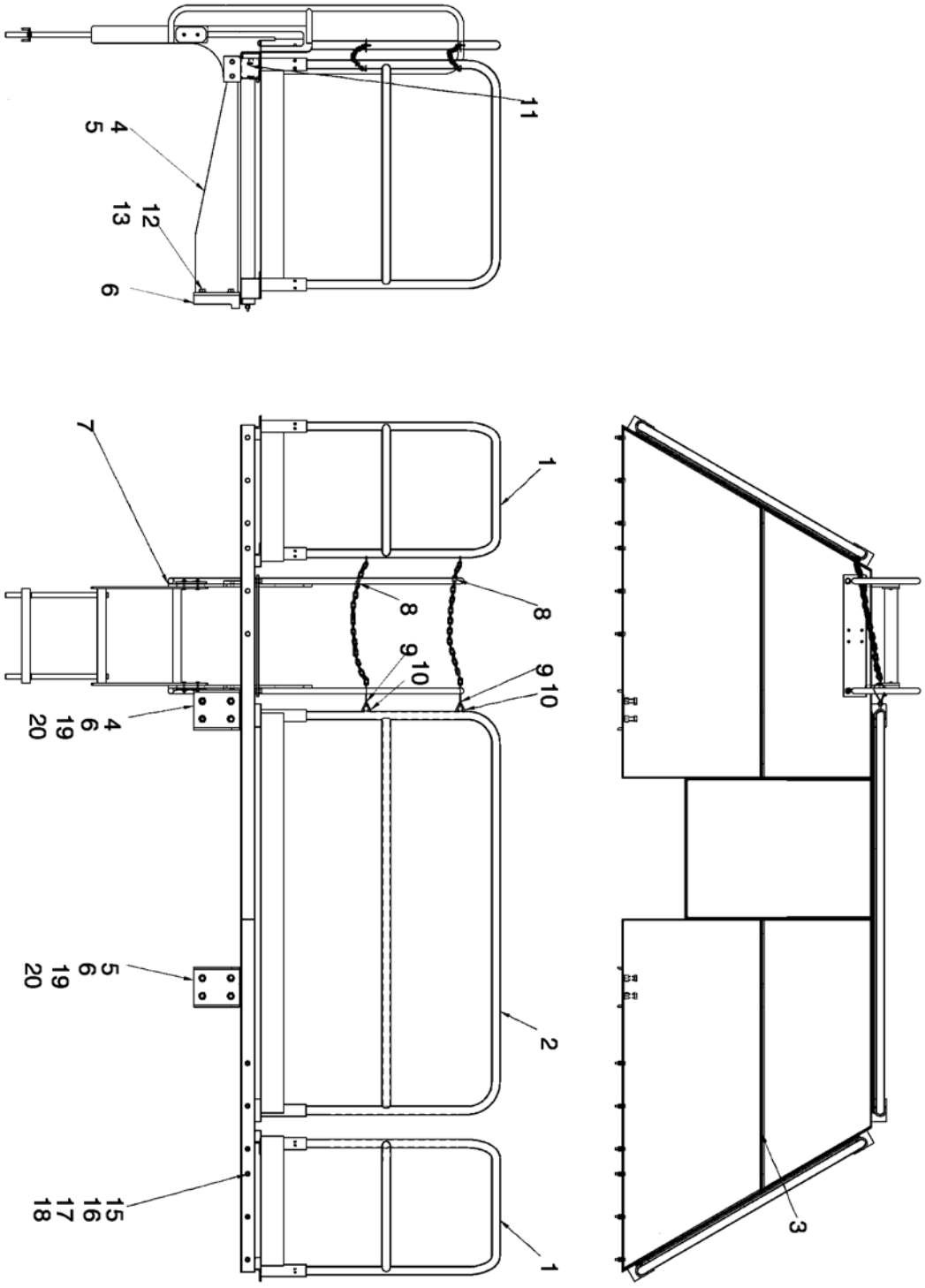
D57546137 REV 001

BOM 57546137

57546137 DECK ASM-DML,VERT REC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57546004	1.0	EA	DECKING,DML	
002.0	57471914	1.0	EA	DECKING,FRONT-DCS,DML	
003.0	57471930	1.0	EA	DECKING,REAR-CS,DML	
004.0	57471948	1.0	EA	DECKING,FRONT-CS,DML	

57711194 DECKING,REAR,PLATFORM

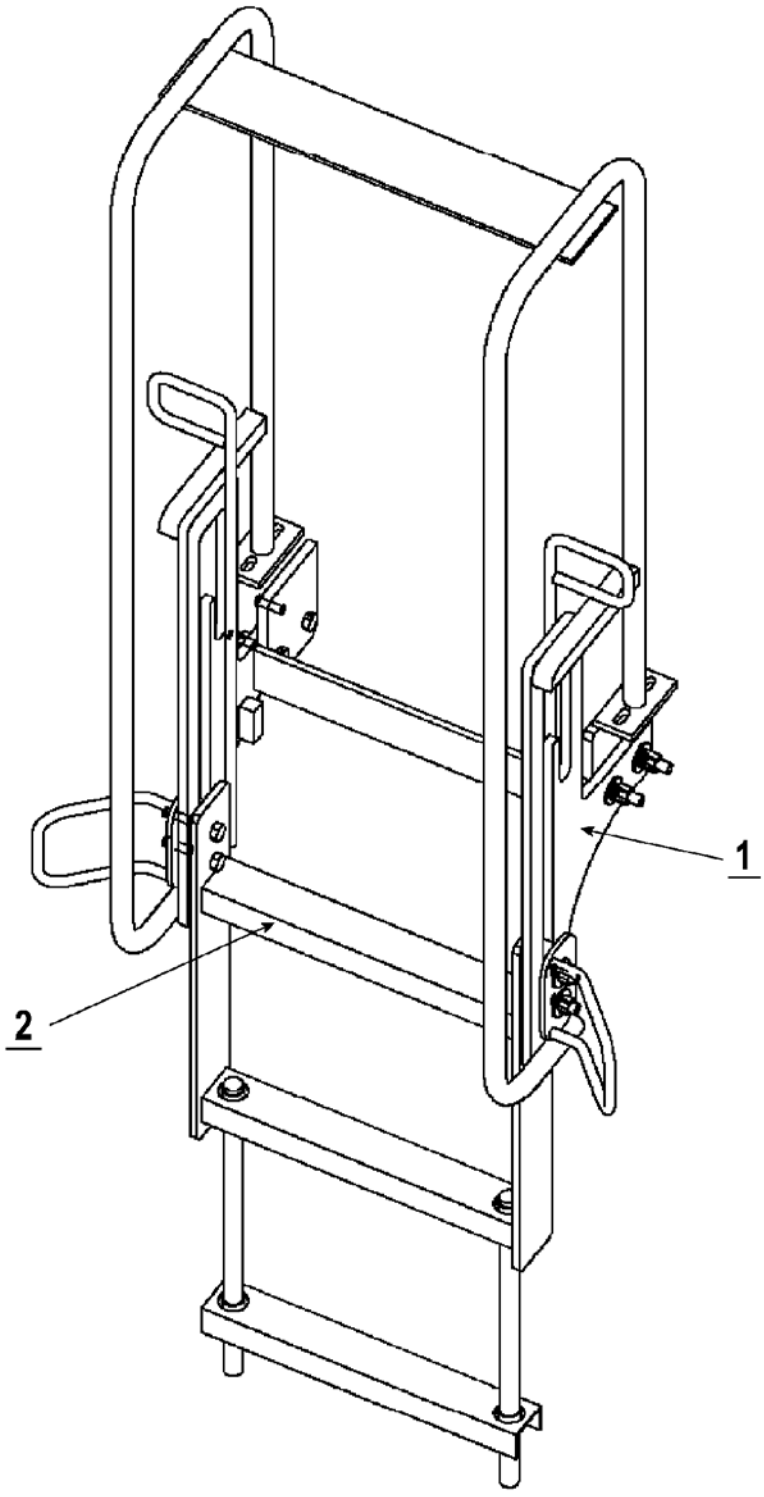


BOM 57711194

57711194 DECKING,REAR,PLATFORM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57622243	2.0	EA	HANDRAIL	
002.0	57455859	1.0	EA	HANDRAIL - 70	
003.0	57480873	1.0	EA	FRAME,PLATFORM	
004.0	57455941	1.0	EA	SUPPORT-L.H.	
005.0	57455958	1.0	EA	SUPPORT-R.H.	
006.0	57455966	2.0	EA	BRACKET	
-	95922928	4.0	EA	- NUT,HEX,FINISHED	
007.0	57724619	1.0	EA	LADDER,W/HANDRAIL,FOLD	**See Page 8**
008.0	50699321	28.0	IN	CHAIN,BULK-3/16 COIL	
009.0	57376246	1.0	EA	HOOK,SAFETY SNAP	
010.0	56801053	1.0	EA	LINK	
011.0	57711145	1.0	EA	MOUNT,LADDER	
-	57711152	2.0	EA	- PLATE,LADDER MOUNT	
-	57711160	2.0	EA	- PLATE,LADDER MOUNT	
-	57711178	1.0	EA	- PLATE,LADDER MOUNTING	
-	95934766	4.0	EA	- WASHER,LOCK,HELICAL	
-	95928982	4.0	EA	- CAPSCREW	
012.0	95934378	8.0	EA	CAPSCREW,HEX	
013.0	95352415	8.0	EA	WASHER,LOCK	
014.0	95037255	1.0	EA	BOLT,EYE	
015.0	95934584	12.0	EA	CAPSCREW	
016.0	95922654	12.0	EA	WASHER,LOCK	
017.0	95922373	24.0	EA	WASHER,FLAT	
018.0	95923223	12.0	EA	NUT,ELASTIC LOCK-3/8-16	
019.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
020.0	95958989	4.0	EA	CAPSCREW,PLATED	

57724619 LADDER,W/HANDRAIL,FOLD

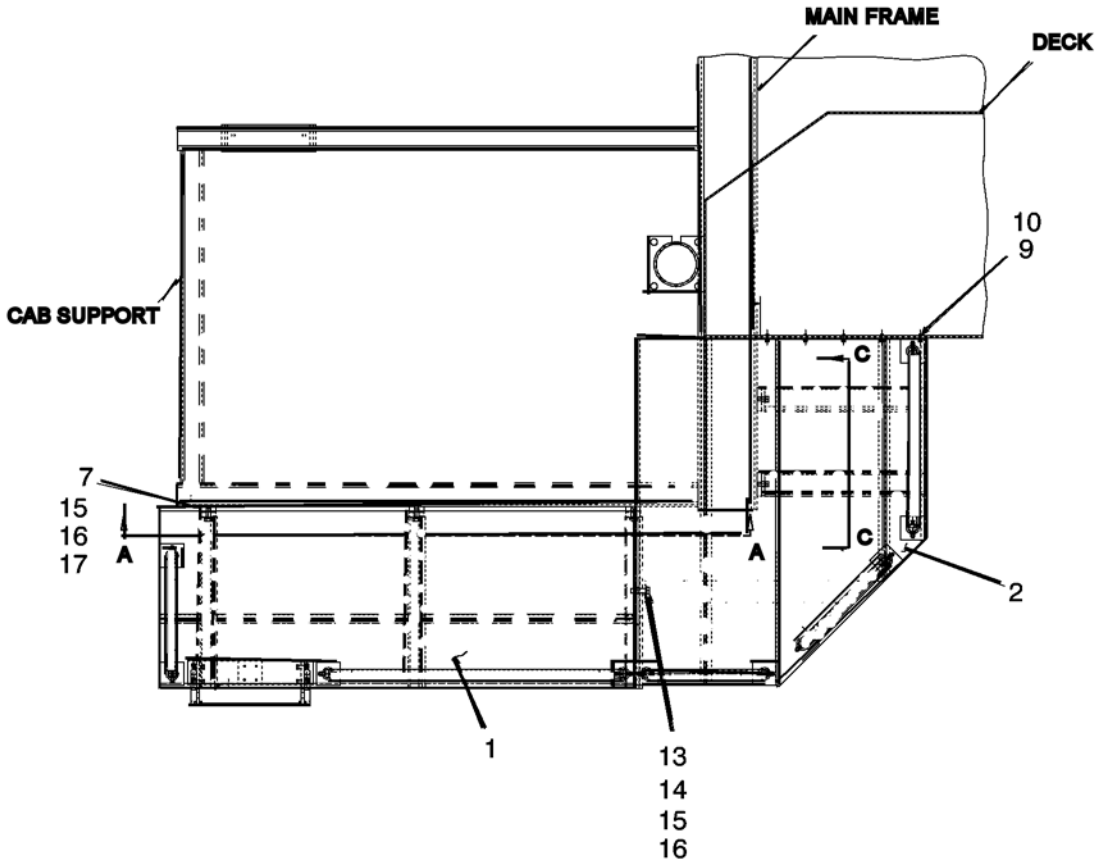


BOM 57724619

57724619 LADDER,W/HANDRAIL,FOLD

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57664666	1.0	EA	SUB,57724619,LADDER/WHRL	
002.0	57664674	1.0	EA	HANDRAIL ASSEMBLY	

57713034 DECKING,DM45/50/L,ASSM



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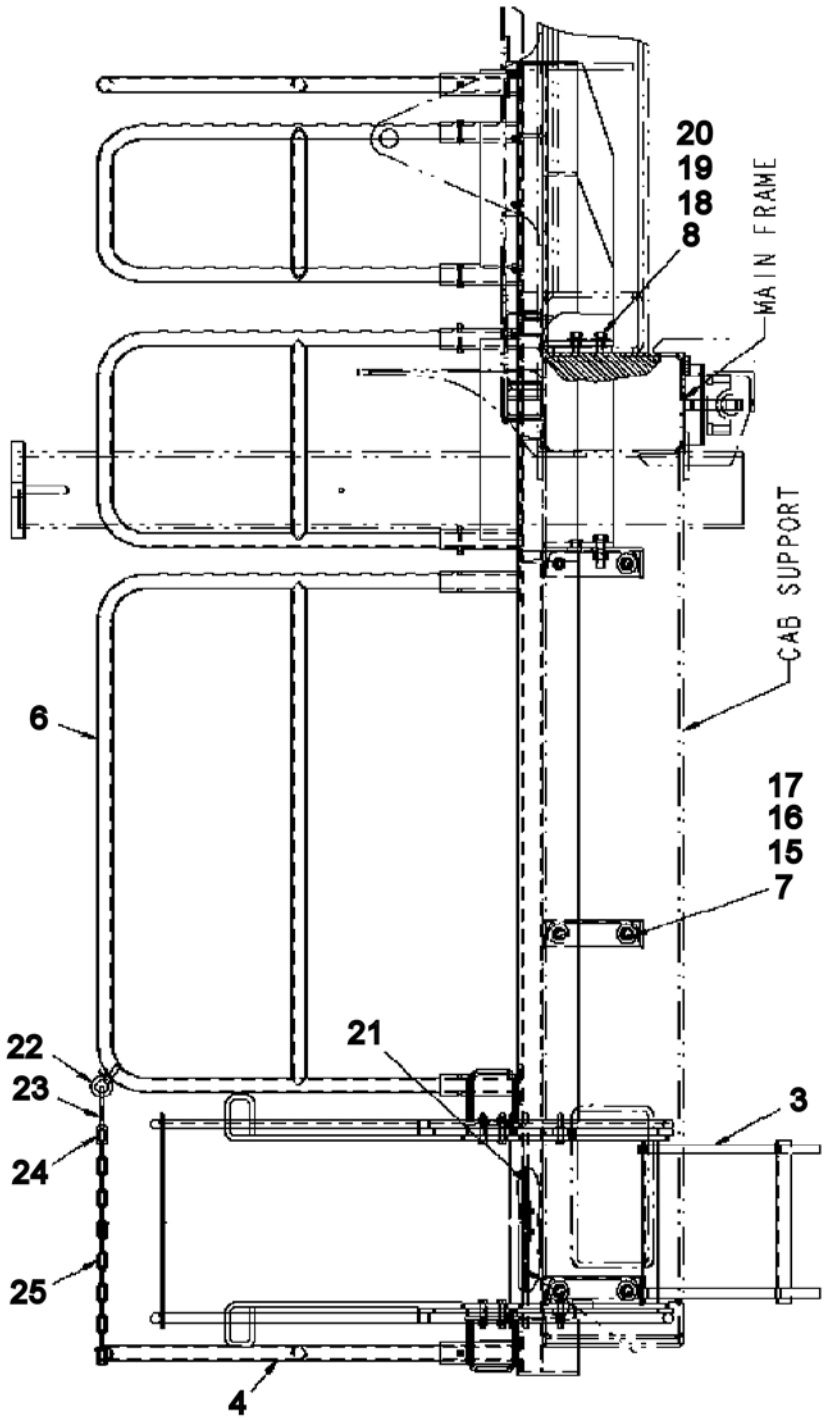
57713034 DECKING,DM45/50/L,ASSM



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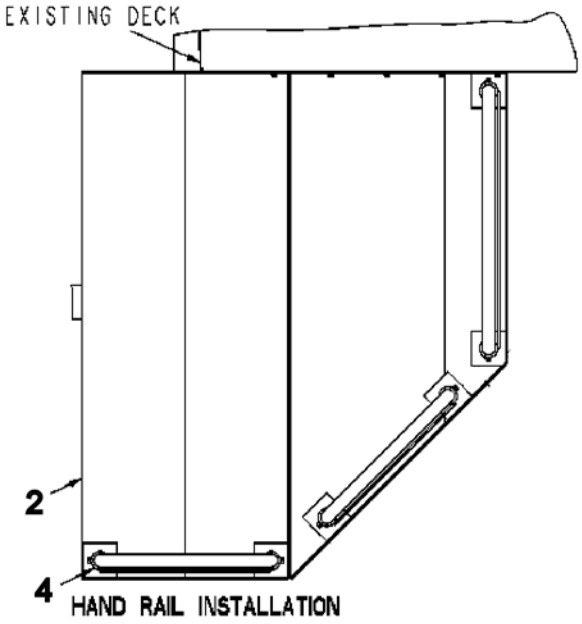
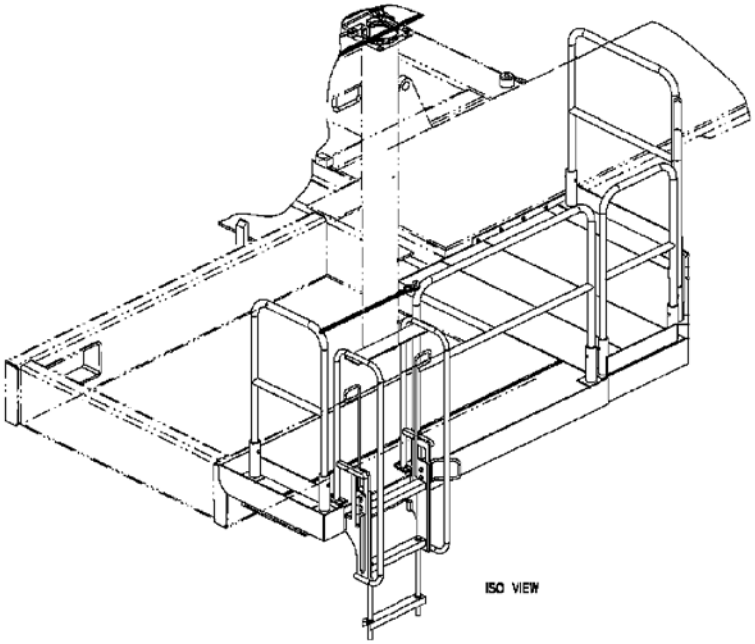
57713034 DECKING,DM45/50/L,ASSM





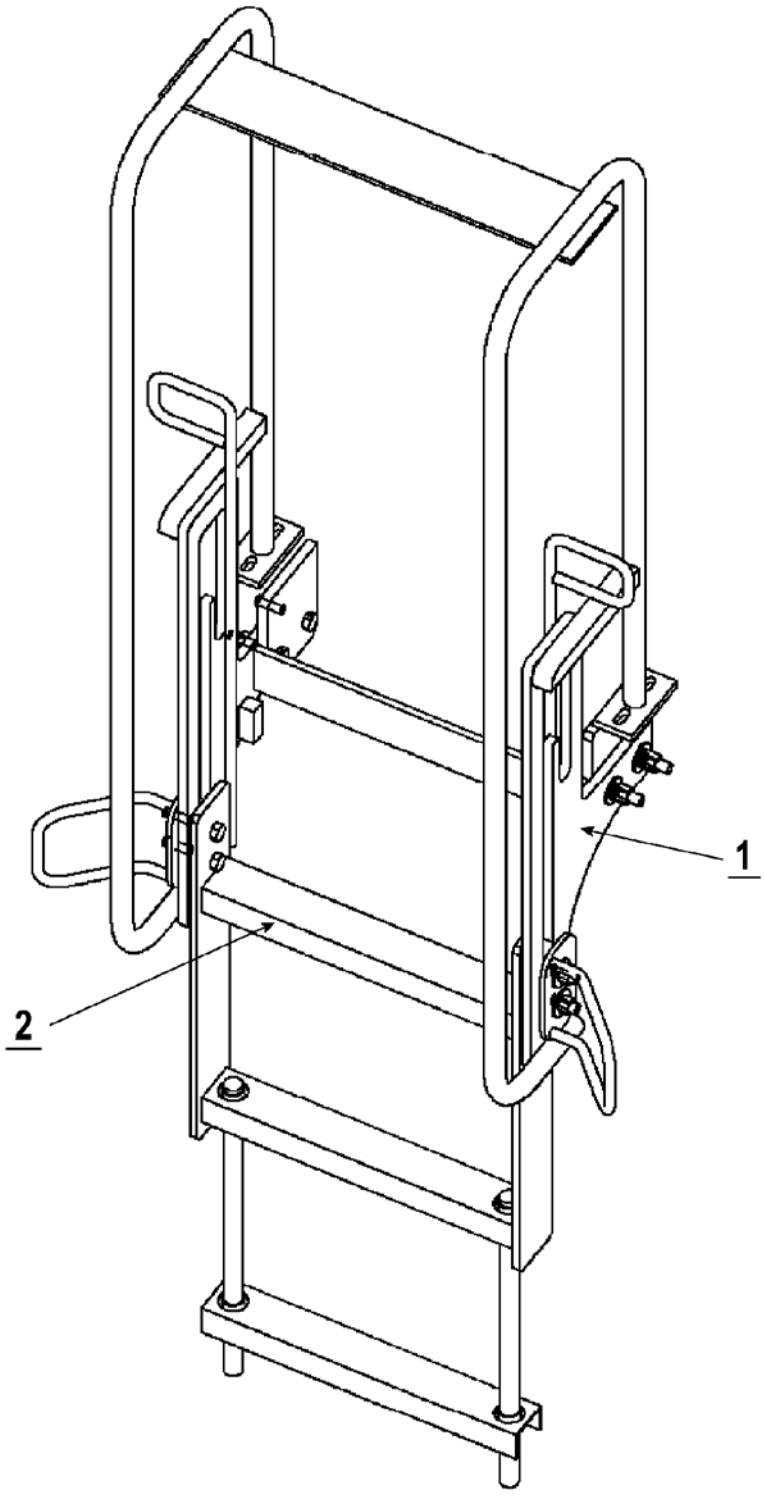
E2657713034 REV 003

BOM 57713034

57713034 DECKING,DM45/50/L,ASSM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57590788	1.0	EA	DECKING,SIDE DM45/50/L	
002.0	57590796	1.0	EA	DECKING,REAR DM45/50/L	
003.0	57724619	1.0	EA	LADDER,W/HANDRAIL,FOLD	**See Page 14**
004.0	57533622	3.0	EA	HANDRAIL ASSY-20 CNTDIST	
005.0	57424392	1.0	EA	HANDRAIL ASSY-30 CNTDIST	
006.0	57424418	1.0	EA	HANDRAIL ASSY-50 CNTDIST	
007.0	57588535	3.0	EA	BRACKET,MTG,SIDE DECK	
008.0	57573958	2.0	EA	PLATE,MTG REAR DECKING	
009.0	95920674	5.0	EA	CAPSCREW,HEX	
010.0	95922894	5.0	EA	NUT,HEX	
011.0	95937413	9.0	EA	WASHER,LOCK,HELICAL	
012.0	95958989	4.0	EA	CAPSCREW,PLATED	
013.0	95104659	2.0	EA	CAPSCREW	
014.0	95922928	2.0	EA	NUT,HEX,FINISHED	
015.0	95934691	8.0	EA	WASHER,LOCK,HELICAL	
016.0	95972246	8.0	EA	WASHER,FLAT,PLATED	
017.0	95104642	6.0	EA	CAPSCREW,HEX	
018.0	95934501	4.0	EA	CAPSCREW,HEX	
019.0	95209425	4.0	EA	WASHER,LOCK	
020.0	95094314	4.0	EA	WASHER,FLAT,WIDE	
021.0	57711145	1.0	EA	MOUNT,LADDER	
-	57711152	2.0	EA	- PLATE,LADDER MOUNT	
-	57711160	2.0	EA	- PLATE,LADDER MOUNT	
-	57711178	1.0	EA	- PLATE,LADDER MOUNTING	
-	95934766	4.0	EA	- WASHER,LOCK,HELICAL	
-	95928982	4.0	EA	- CAPSCREW	
022.0	95037255	1.0	EA	BOLT,EYE	
023.0	57376246	1.0	EA	HOOK,SAFETY SNAP	
024.0	56801053	1.0	EA	LINK	
025.0	50699321	28.0	IN	CHAIN,BULK-3/16 COIL	

57724619 LADDER,W/HANDRAIL,FOLD

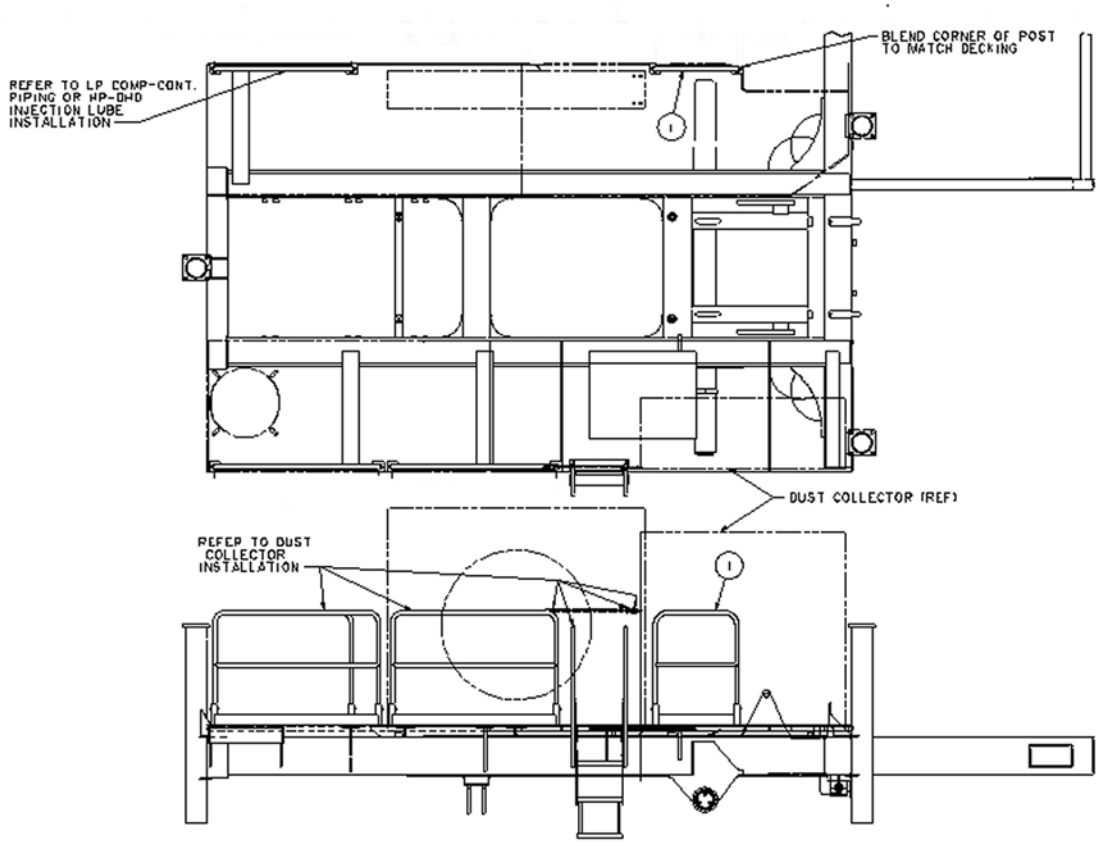


BOM 57724619

57724619 LADDER,W/HANDRAIL,FOLD

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57664666	1.0	EA	SUB,57724619,LADDER/WHRL	
002.0	57664674	1.0	EA	HANDRAIL ASSEMBLY	

57778730 HANDRAIL,INSTL,DM45/L

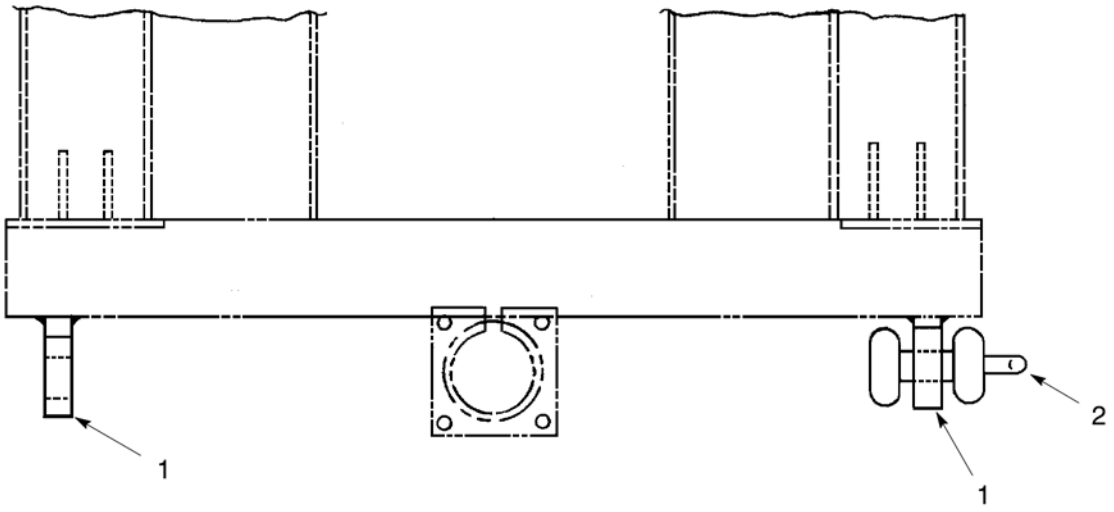


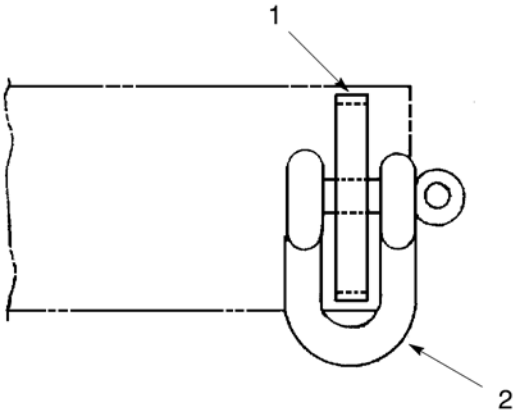
BOM 57778730

57778730 HANDRAIL,INSTL,DM45/L

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57424392	1.0	EA	HANDRAIL ASSY-30 CNTDIST	

57431967 HOOK INST'L-TOW





C57431967 REV 000

BOM 57431967

57431967 HOOK INST'L-TOW

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57363970	2.0	EA	TOW LUGS	
002.0	57364069	2.0	EA	SHACKLE,CHAIN 55 TON	

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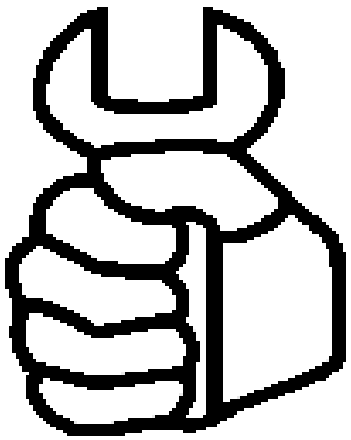
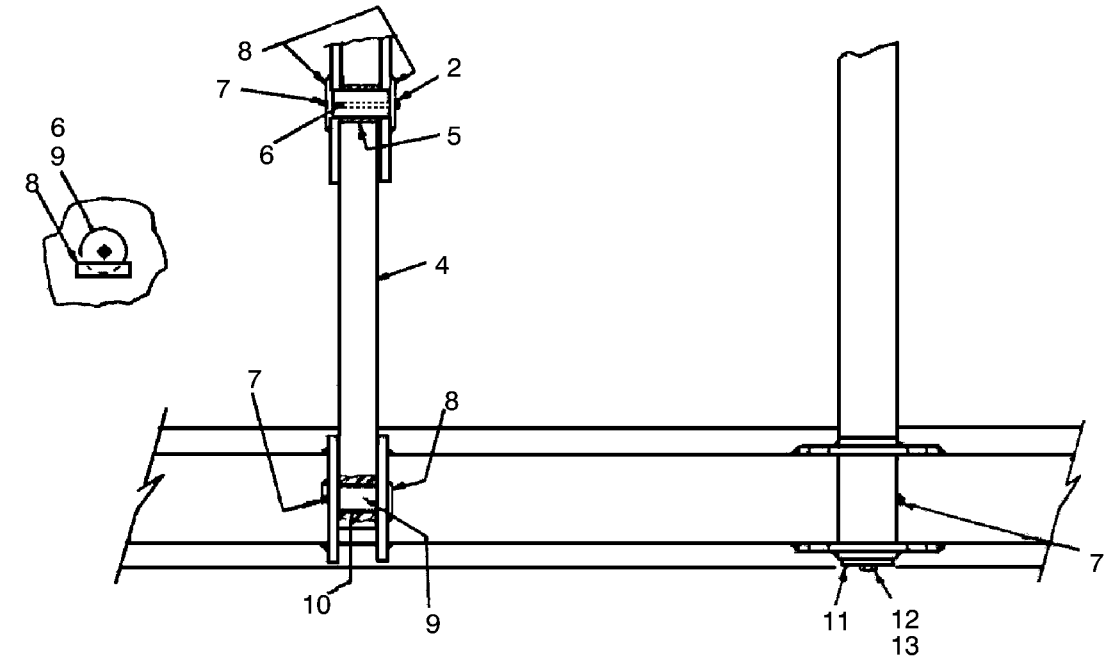
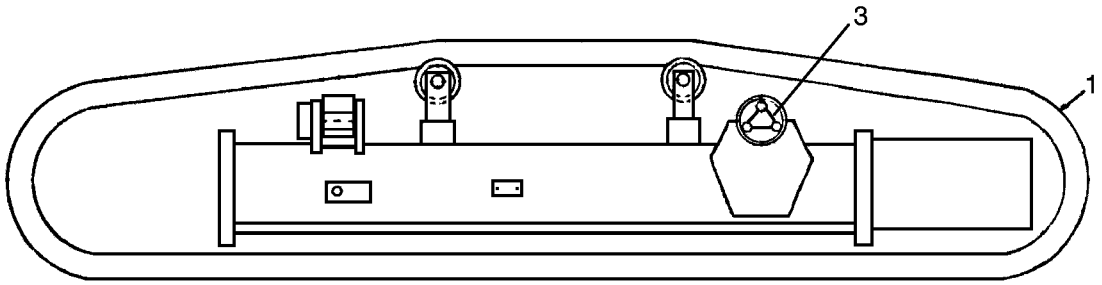


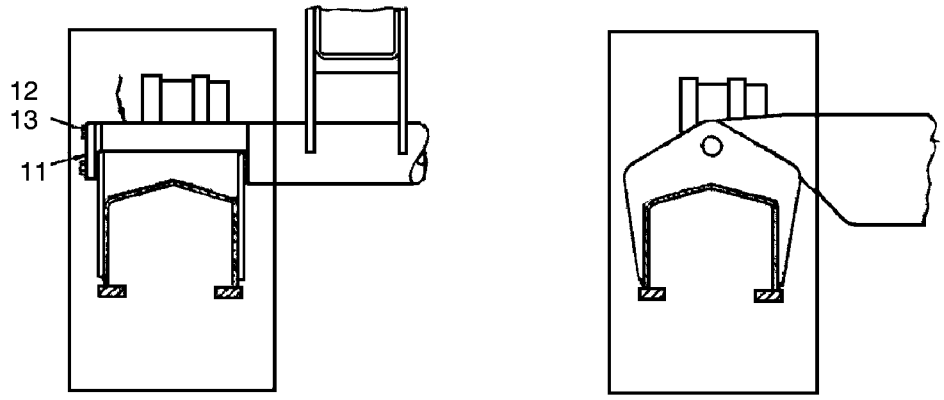
Section B - Undercarriage/Tracks

57722266 TRACK,IRGT3000S,ASM





14
SERVICE TOOL



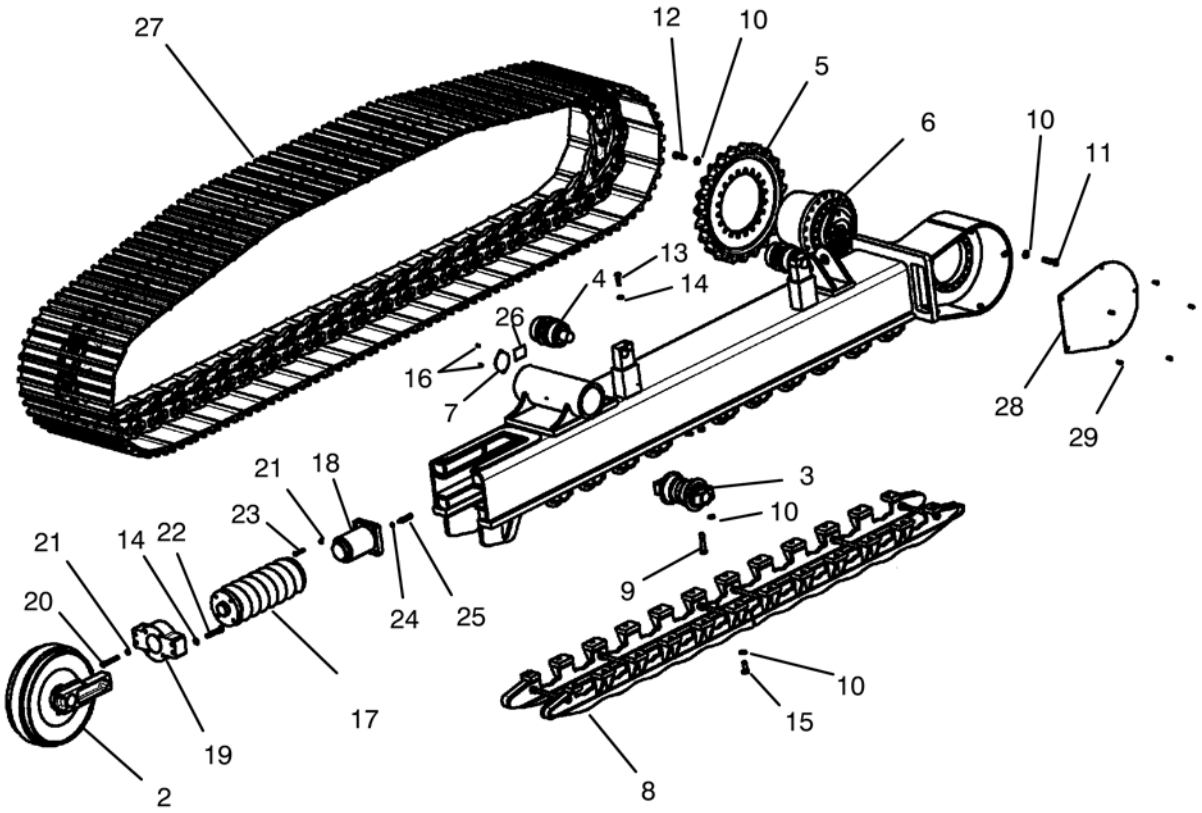
TB2657722266 REV 003

BOM 57722266

57722266 TRACK,IRGT3000S,ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57721664	1.0	ST	UNDERCARRIAGE,IRGT3000S	
-	57678161	1.0	EA	- FRAME ASM,LH-IRGT3000S	**See Page 24**
-	57678179	1.0	EA	- FRAME ASM,RH-IRGT3000S	**See Page 36**
002.0	95201547	1.0	EA	FITTING,LUBE	
003.0	50344605	3.0	FT	WIRE, LOCK	
004.0	57780769	1.0	EA	YOKE,OSCILLATION,DML/SP	
005.0	57180184	1.0	EA	BUSHING,CENTER	
006.0	57180168	1.0	EA	PIN, CENTER	
007.0	95201547	6.0	EA	FITTING,LUBE	
008.0	56901853	6.0	EA	BAR,FLAT	
009.0	57716862	2.0	EA	PIN,YOKE END	
010.0	57309791	2.0	EA	BUSHING,YOKE END	
011.0	58249608	2.0	EA	CAP,END	
012.0	95443164	6.0	EA	CAPSCREW	
013.0	95359436	6.0	EA	WASHER, LOCK-1	
014.0	57373086	1.0	EA	EXTENSION, NOZZLE	

57678161 FRAME ASM,LH-IRGT3000S

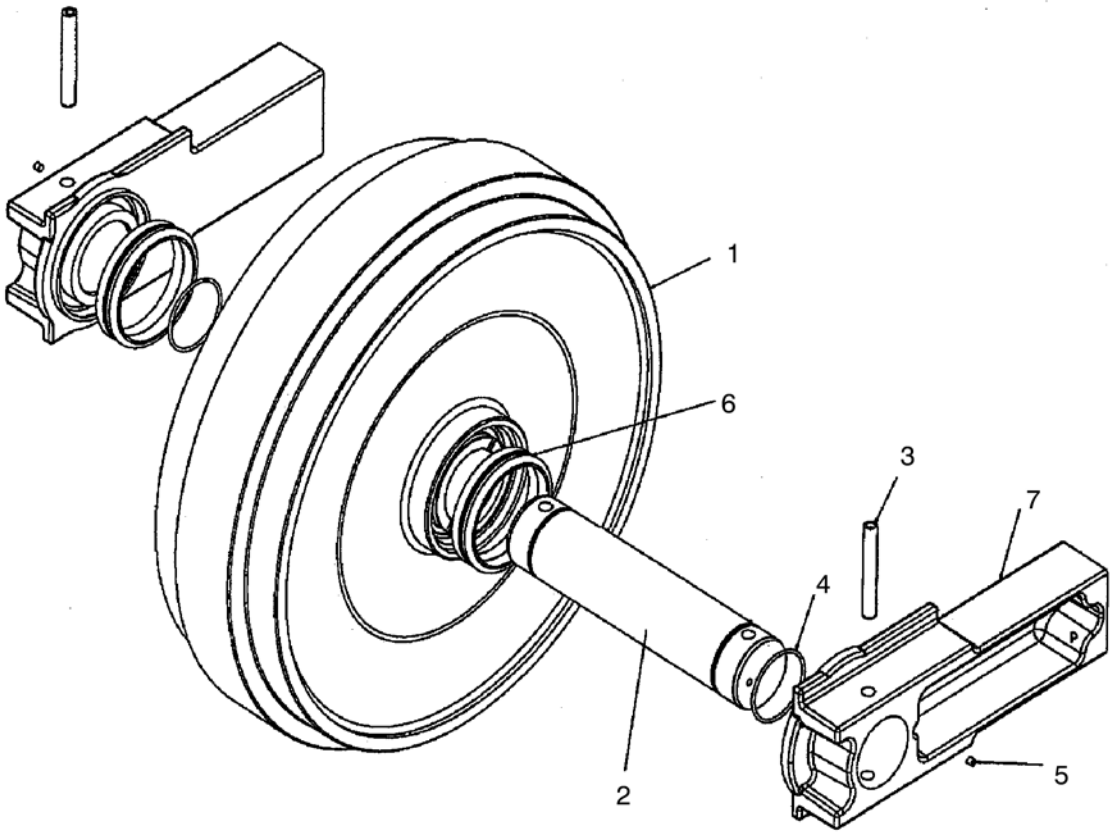


BOM 57678161

57678161 FRAME ASM,LH-IRGT3000S

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57717498	1.0	EA	IDLER,ASM W/BRACKET	**See Page 26**
003.0	57717480	7.0	EA	ROLLER,TRACK	
004.0	57700502	2.0	EA	ROLLER,CARRIER	
005.0	57721615	1.0	EA	SPROCKET,UNDERCARRIAGE	
006.0	57725772	1.0	EA	DRIVE,FINAL,IRGT3000	**See Page 28**
007.0	57695678	1.0	EA	PLATE,COVER	
008.0	57727554	1.0	EA	GUARD,ROCK ASM	
009.0	57727422	28.0	EA	BOLT,HEX HEAD	
010.0	57727430	84.0	EA	WASHER	
011.0	57727448	20.0	EA	BOLT,HEX HEAD	
012.0	57727455	20.0	EA	BOLT,HEX HEAD	
013.0	57727463	2.0	EA	BOLT,HEX HEAD	
014.0	57726291	6.0	EA	WASHER	
015.0	57727471	16.0	EA	BOLT,HEX HEAD	
016.0	57726275	2.0	EA	BOLT,HEX HEAD	
017.0	57718116	1.0	EA	KIT,SPRING,IDLER	**See Page 30**
018.0	57727489	1.0	EA	ADJUSTER,GREASE	
019.0	57727497	1.0	EA	BAR,CONNECTOR(IDLER)	
020.0	57727505	4.0	EA	BOLT,HEX HEAD	
021.0	57727513	8.0	EA	WASHER,LOCK	
022.0	57727521	4.0	EA	BOLT,HEX HEAD	
023.0	57727539	4.0	EA	BOLT,HEX HEAD	
024.0	57726309	1.0	EA	SEAL,FITTING	
025.0	57726317	1.0	EA	FITTING,GREASE	
026.0	57793986	1.0	EA	NAMEPLATE,UNDERCARRIAGE	
027.0	57717456	1.0	EA	CHAIN,TRACK-IRGT3000S	**See Page 32**
028.0	57727547	1.0	EA	PLATE,COVER	
029.0	57726341	5.0	EA	BOLT,HEX HEAD	

57717498 IDLER,ASM W/BRACKET



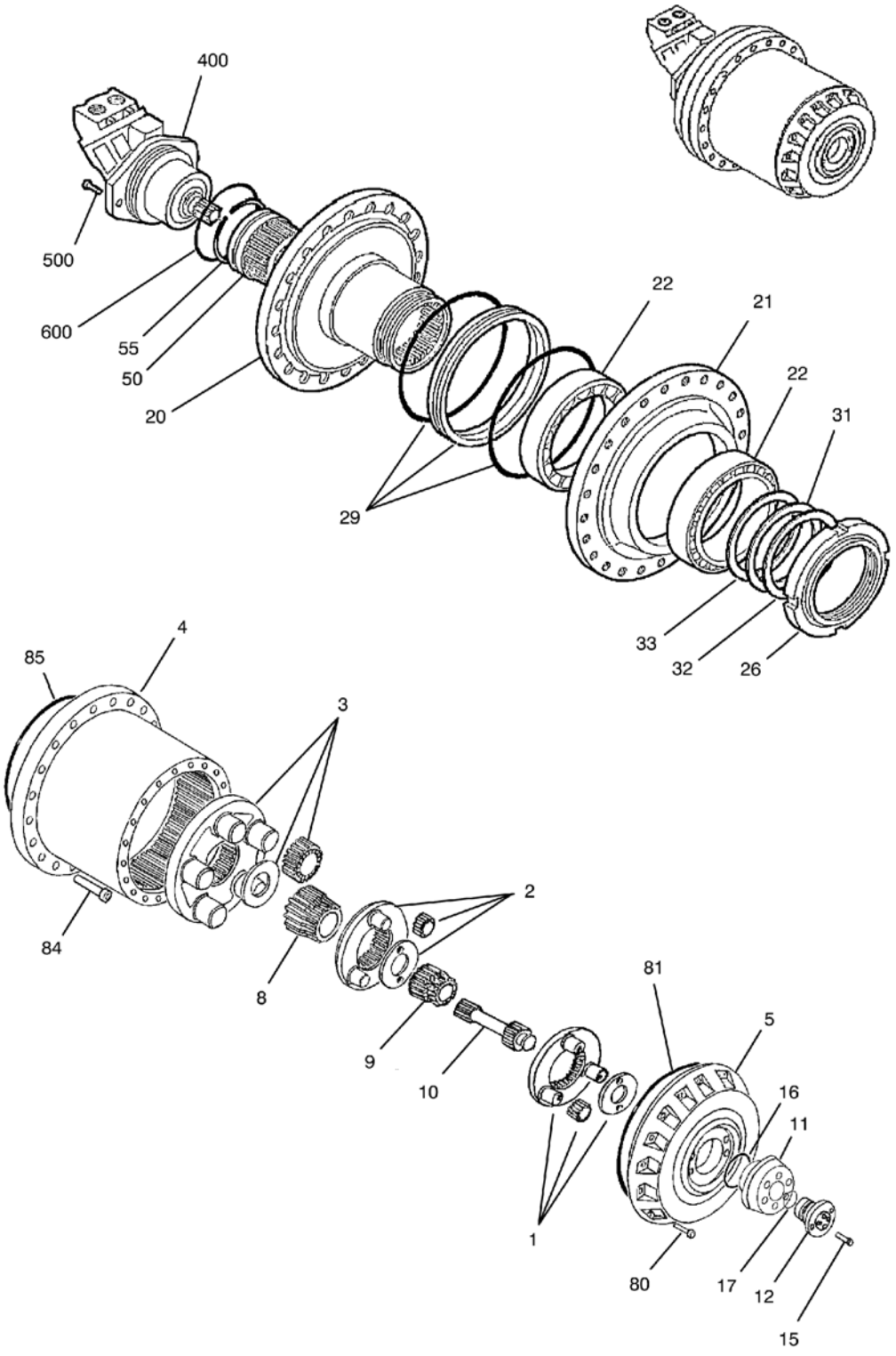
B2657717498 REV 001

BOM 57717498

57717498 IDLER,ASM W/BRACKET

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57721409	1.0	EA	IDLER,FRONT,BARE	
002.0	57721417	1.0	EA	SHAFT,IDLER	
003.0	57721425	2.0	EA	PIN,ROLLER,IDLER	
004.0	57721433	2.0	EA	O'RING,IDLER	
005.0	57721441	2.0	EA	PLUG,IDLER	
006.0	57721458	2.0	EA	SEAL,GROUP,IDLER	
007.0	57721466	2.0	EA	BRACKET,IDLER	

57725772 DRIVE,FINAL,IRGT3000

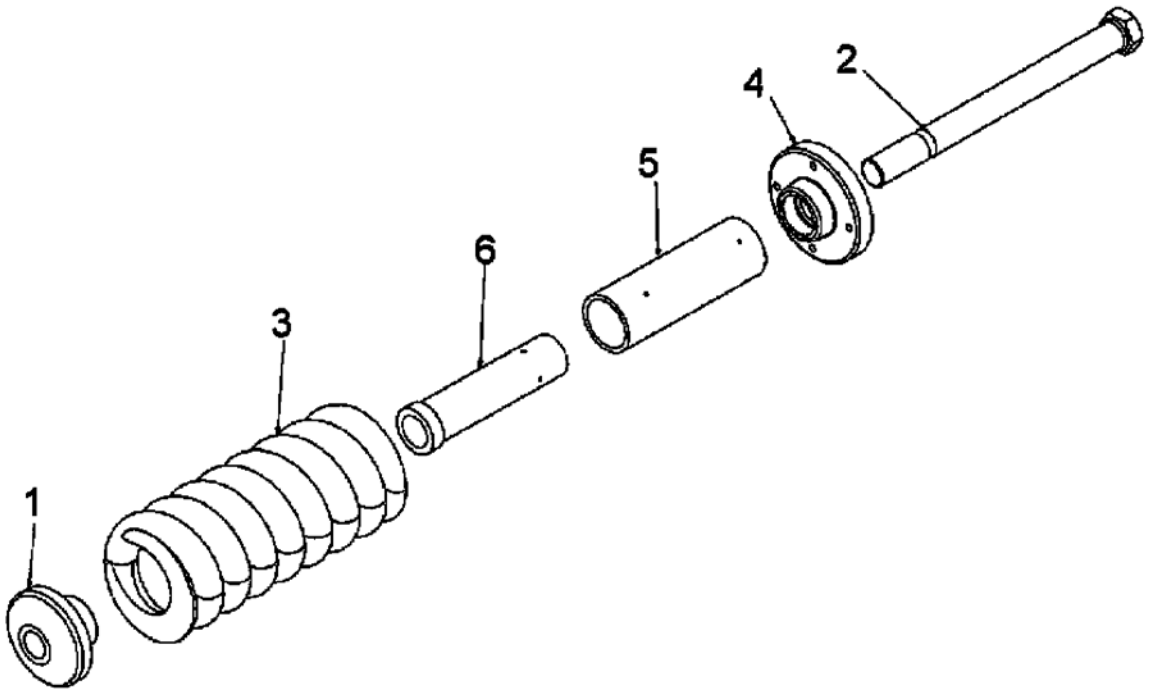


BOM 57725772

57725772 DRIVE,FINAL,IRGT3000

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57726531	1.0	EA	HOLDER,PLANETARY	
002.0	57726459	1.0	EA	HOLDER,PLANETARY	
003.0	57726556	1.0	EA	HOLDER,PLANETARY	
004.0	57726564	1.0	EA	WHEEL,HOLLOW	
005.0	57726572	1.0	EA	COVER	
008.0	57726580	1.0	EA	GEAR PIGNON	
009.0	57726598	1.0	EA	GEAR PIGNON	
010.0	57726606	1.0	EA	GEAR PIGNON	
011.0	57726614	1.0	EA	FLANGE	
012.0	57726622	1.0	EA	CLUTCH,CLAW	
015.0	57726630	4.0	EA	SCREW	
016.0	57726648	1.0	EA	O-RING	
017.0	57726655	1.0	EA	O-RING	
020.0	57726705	1.0	EA	BEAM	
021.0	57726713	1.0	EA	HUB	
022.0	57726721	2.0	EA	BEARING,ROLLER	
026.0	57726739	1.0	EA	NUT	
029.0	57726747	1.0	EA	SEAL,DUO-CONE	
031.0	57726754	1.0	EA	RING,SHIM	
032.0	57726762	1.0	EA	RING,SHIM	
033.0	57726770	1.0	EA	RING,ADJUSTING	
050.0	57726788	1.0	EA	BRAKE	
055.0	57726796	1.0	EA	CIRCLIP	
080.0	57726663	5.0	EA	SCREW,CYLINDER HEAD	
081.0	57726671	1.0	EA	O-RING	
084.0	57726689	2.0	EA	SCREW,CYLINDER HEAD	
085.0	57726697	1.0	EA	O-RING	
400.0	57303034	1.0	EA	PROPEL MOTOR	
500.0	57428260	2.0	EA	CAPSCREW	
600.0	57305997	1.0	EA	O-RING	

57718116 KIT,SPRING,IDLER

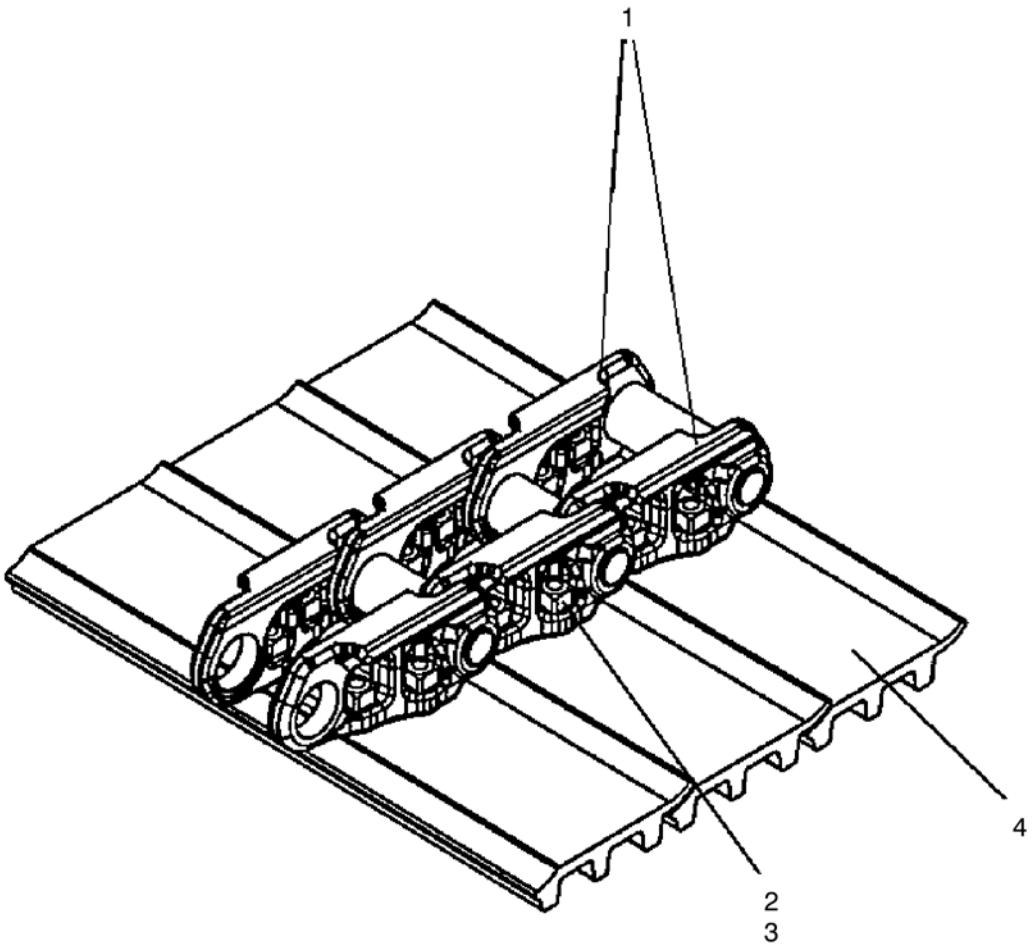


BOM 57718116

57718116 KIT,SPRING,IDLER

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57913386	1.0	EA	SPRING	
002.0	57913394	1.0	EA	TIE ROD	
003.0	57913402	1.0	EA	SPRING PLATE	
004.0	57913410	1.0	EA	SPRING PLATE	

57717456 CHAIN,TRACK-IRGT3000S



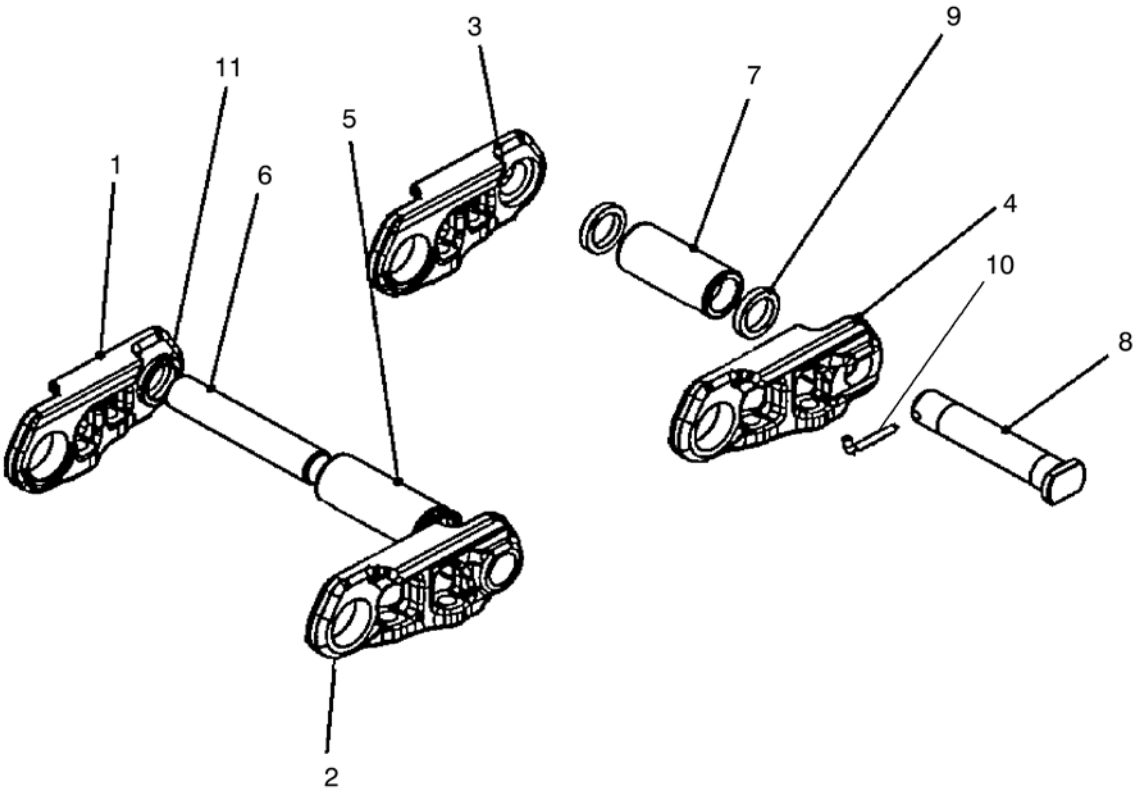
B2657717456 REV 001

BOM 57717456

57717456 CHAIN,TRACK-IRGT3000S

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57717423	1.0	EA	CHAIN,IRGT3000S,ASSM	**See Page 34**
002.0	57721581	180.0	EA	BOLT,TRACK,SHOE	
003.0	57721599	180.0	EA	NUT,TRACK,SHOE	
004.0	57721607	45.0	EA	SHOE,TRACK	

57717423 CHAIN,IRGT3000S,ASSM



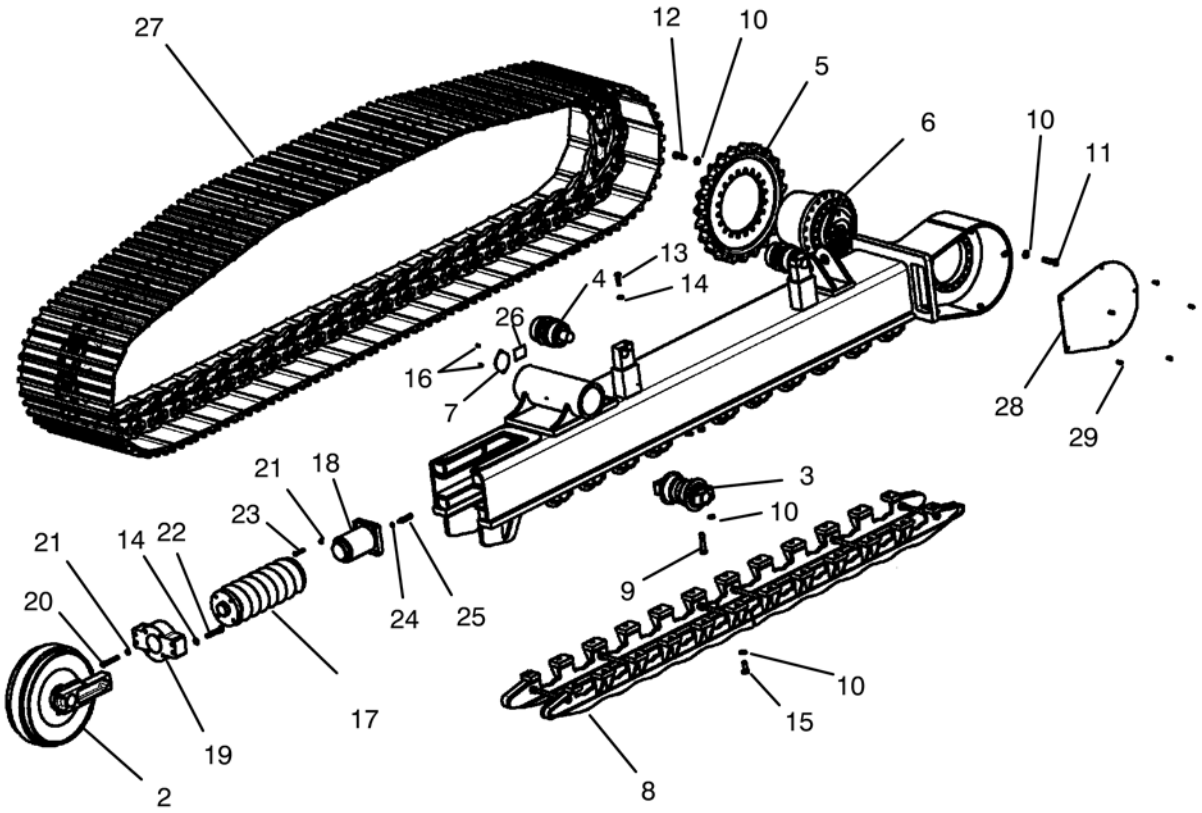
B2657717423 REV 001

BOM 57717423

57717423 CHAIN,IRGT3000S,ASSM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57721474	44.0	EA	LINK,CHAIN,RH	
002.0	57721482	44.0	EA	LINK,CHAIN,LH	
003.0	57721490	1.0	EA	LINK,CHAIN,MASTER-RH	
004.0	57721508	1.0	EA	LINK,CHAIN MASTER,LH	
005.0	57721516	44.0	EA	BUSHING,CHAIN-TRACK	
006.0	57721524	44.0	EA	PIN,CHAIN-TRACK	
007.0	57721532	1.0	EA	BUSHING,MASTER-CHAIN	
008.0	57782997	1.0	EA	PIN,MASTER,COMPLETE	
-	57721540	1.0	EA	- SUB 57782997 PIN,MASTER	
-	57721557	2.0	EA	- SPACER,MASTER-BUSHING	
-	57721565	1.0	EA	- PIN,LOCK,MASTER PIN	
011.0	57721573	88.0	EA	WASHER,SEAL,TRACK	

57678179 FRAME ASM,RH-IRGT3000S

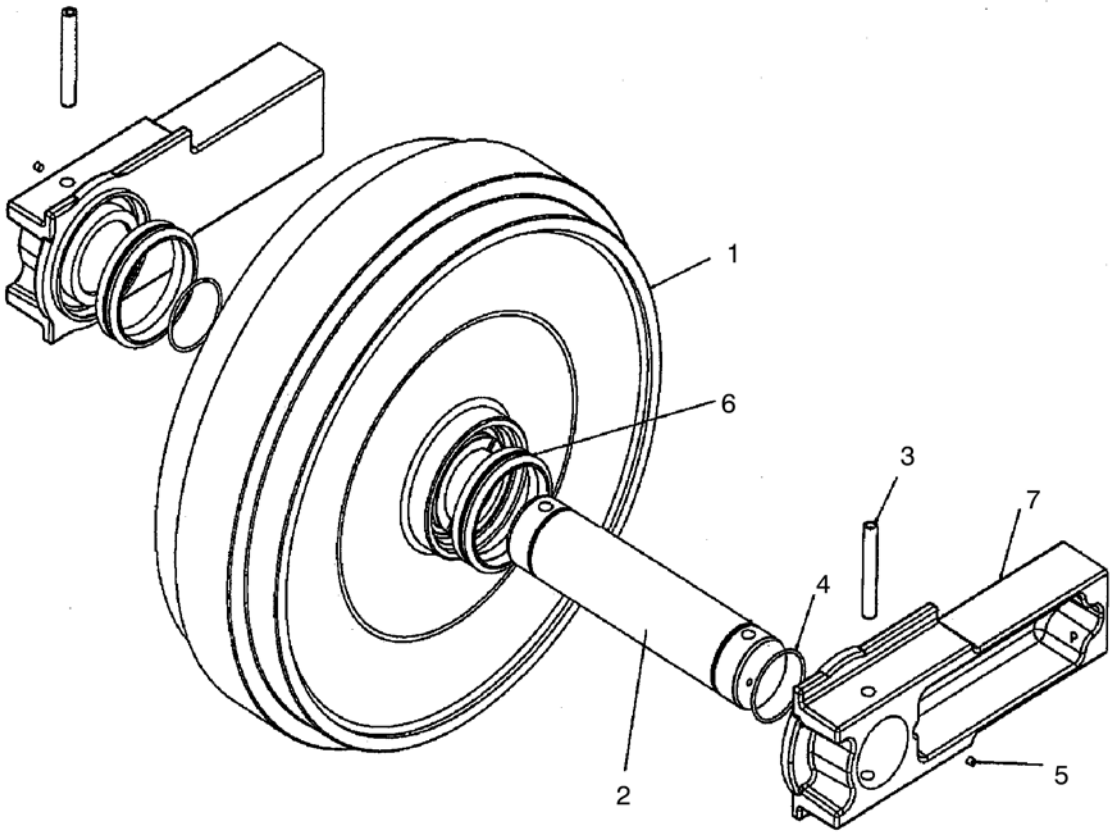


BOM 57678179

57678179 FRAME ASM,RH-IRGT3000S

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57717498	1.0	EA	IDLER,ASM W/BRACKET	**See Page 38**
003.0	57717480	7.0	EA	ROLLER,TRACK	
004.0	57700502	2.0	EA	ROLLER,CARRIER	
005.0	57721615	1.0	EA	SPROCKET,UNDERCARRIAGE	
006.0	57725772	1.0	EA	DRIVE,FINAL,IRGT3000	**See Page 40**
007.0	57695678	1.0	EA	PLATE,COVER	
008.0	57727554	1.0	EA	GUARD,ROCK ASM	
009.0	57727422	28.0	EA	BOLT,HEX HEAD	
010.0	57727430	84.0	EA	WASHER	
011.0	57727448	20.0	EA	BOLT,HEX HEAD	
012.0	57727455	20.0	EA	BOLT,HEX HEAD	
013.0	57727463	2.0	EA	BOLT,HEX HEAD	
014.0	57726291	6.0	EA	WASHER	
015.0	57727471	16.0	EA	BOLT,HEX HEAD	
016.0	57726275	2.0	EA	BOLT,HEX HEAD	
017.0	57718116	1.0	EA	KIT,SPRING,IDLER	**See Page 42**
018.0	57727489	1.0	EA	ADJUSTER,GREASE	
019.0	57727497	1.0	EA	BAR,CONNECTOR(IDLER)	
020.0	57727505	4.0	EA	BOLT,HEX HEAD	
021.0	57727513	8.0	EA	WASHER,LOCK	
022.0	57727521	4.0	EA	BOLT,HEX HEAD	
023.0	57727539	4.0	EA	BOLT,HEX HEAD	
024.0	57726309	1.0	EA	SEAL,FITTING	
025.0	57726317	1.0	EA	FITTING,GREASE	
026.0	57793986	1.0	EA	NAMEPLATE,UNDERCARRIAGE	
027.0	57717456	1.0	EA	CHAIN,TRACK-IRGT3000S	**See Page 44**
028.0	57727547	1.0	EA	PLATE,COVER	
029.0	57726341	5.0	EA	BOLT,HEX HEAD	

57717498 IDLER,ASM W/BRACKET



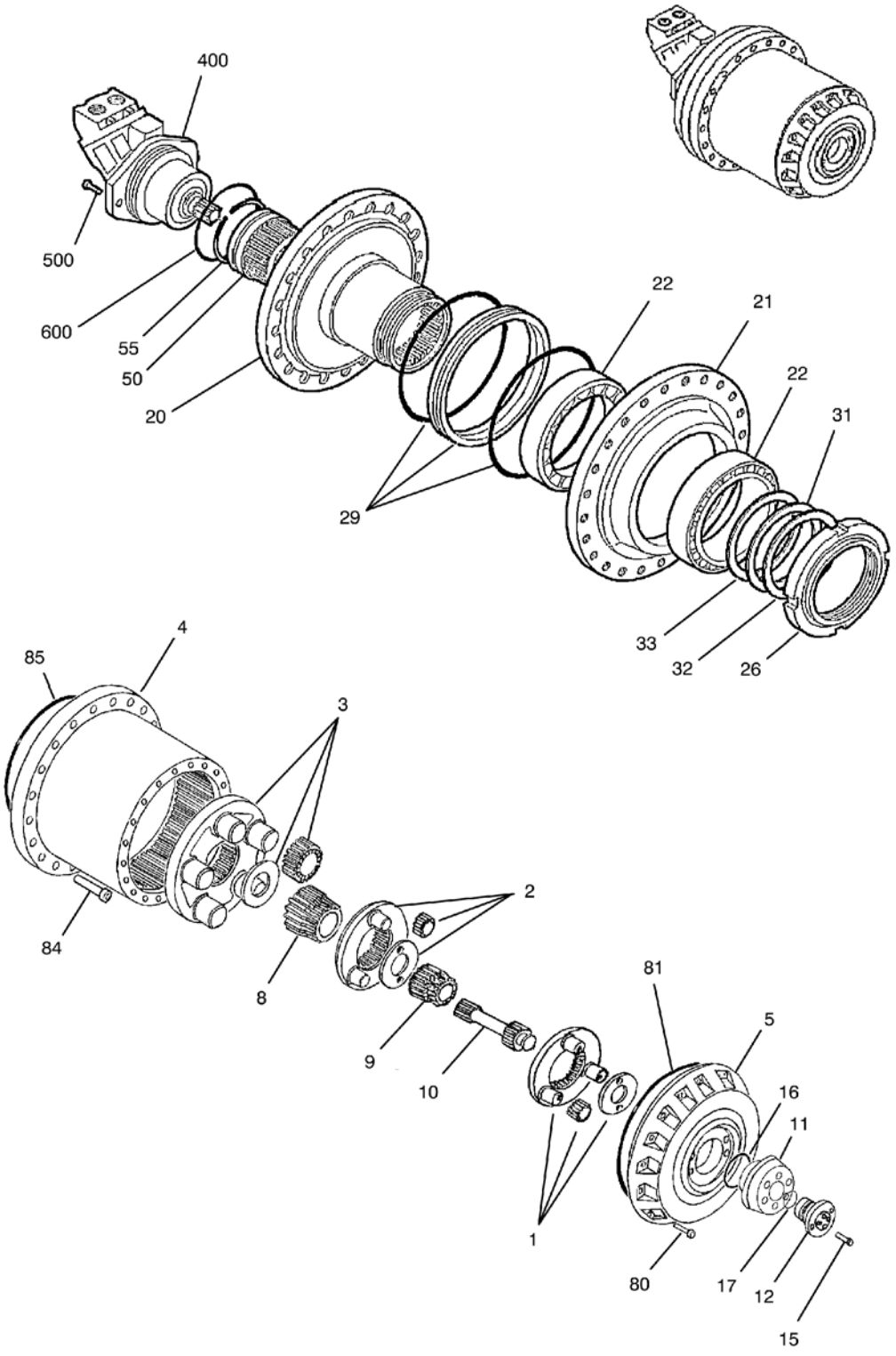
B2657717498 REV 001

BOM 57717498

57717498 IDLER,ASM W/BRACKET

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57721409	1.0	EA	IDLER,FRONT,BARE	
002.0	57721417	1.0	EA	SHAFT,IDLER	
003.0	57721425	2.0	EA	PIN,ROLLER,IDLER	
004.0	57721433	2.0	EA	O'RING,IDLER	
005.0	57721441	2.0	EA	PLUG,IDLER	
006.0	57721458	2.0	EA	SEAL,GROUP,IDLER	
007.0	57721466	2.0	EA	BRACKET,IDLER	

57725772 DRIVE,FINAL,IRGT3000

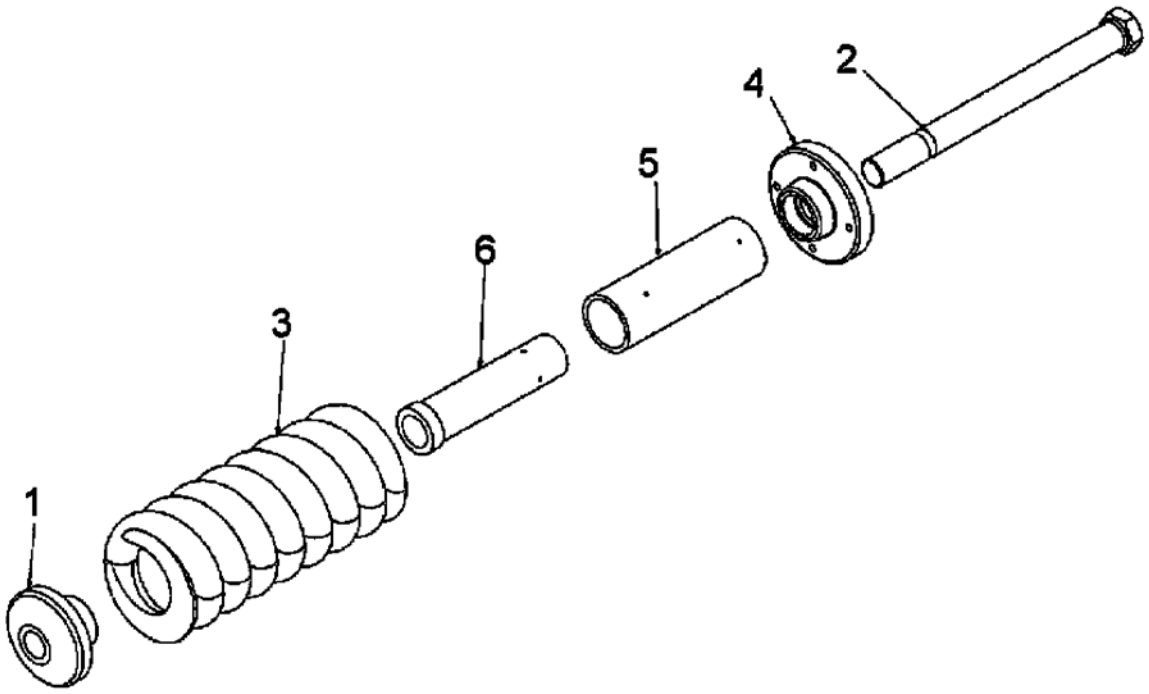


BOM 57725772

57725772 DRIVE,FINAL,IRGT3000

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57726531	1.0	EA	HOLDER,PLANETARY	
002.0	57726459	1.0	EA	HOLDER,PLANETARY	
003.0	57726556	1.0	EA	HOLDER,PLANETARY	
004.0	57726564	1.0	EA	WHEEL,HOLLOW	
005.0	57726572	1.0	EA	COVER	
008.0	57726580	1.0	EA	GEAR PIGNON	
009.0	57726598	1.0	EA	GEAR PIGNON	
010.0	57726606	1.0	EA	GEAR PIGNON	
011.0	57726614	1.0	EA	FLANGE	
012.0	57726622	1.0	EA	CLUTCH,CLAW	
015.0	57726630	4.0	EA	SCREW	
016.0	57726648	1.0	EA	O-RING	
017.0	57726655	1.0	EA	O-RING	
020.0	57726705	1.0	EA	BEAM	
021.0	57726713	1.0	EA	HUB	
022.0	57726721	2.0	EA	BEARING,ROLLER	
026.0	57726739	1.0	EA	NUT	
029.0	57726747	1.0	EA	SEAL,DUO-CONE	
031.0	57726754	1.0	EA	RING,SHIM	
032.0	57726762	1.0	EA	RING,SHIM	
033.0	57726770	1.0	EA	RING,ADJUSTING	
050.0	57726788	1.0	EA	BRAKE	
055.0	57726796	1.0	EA	CIRCLIP	
080.0	57726663	5.0	EA	SCREW,CYLINDER HEAD	
081.0	57726671	1.0	EA	O-RING	
084.0	57726689	2.0	EA	SCREW,CYLINDER HEAD	
085.0	57726697	1.0	EA	O-RING	
400.0	57303034	1.0	EA	PROPEL MOTOR	
500.0	57428260	2.0	EA	CAPSCREW	
600.0	57305997	1.0	EA	O-RING	

57718116 KIT,SPRING,IDLER

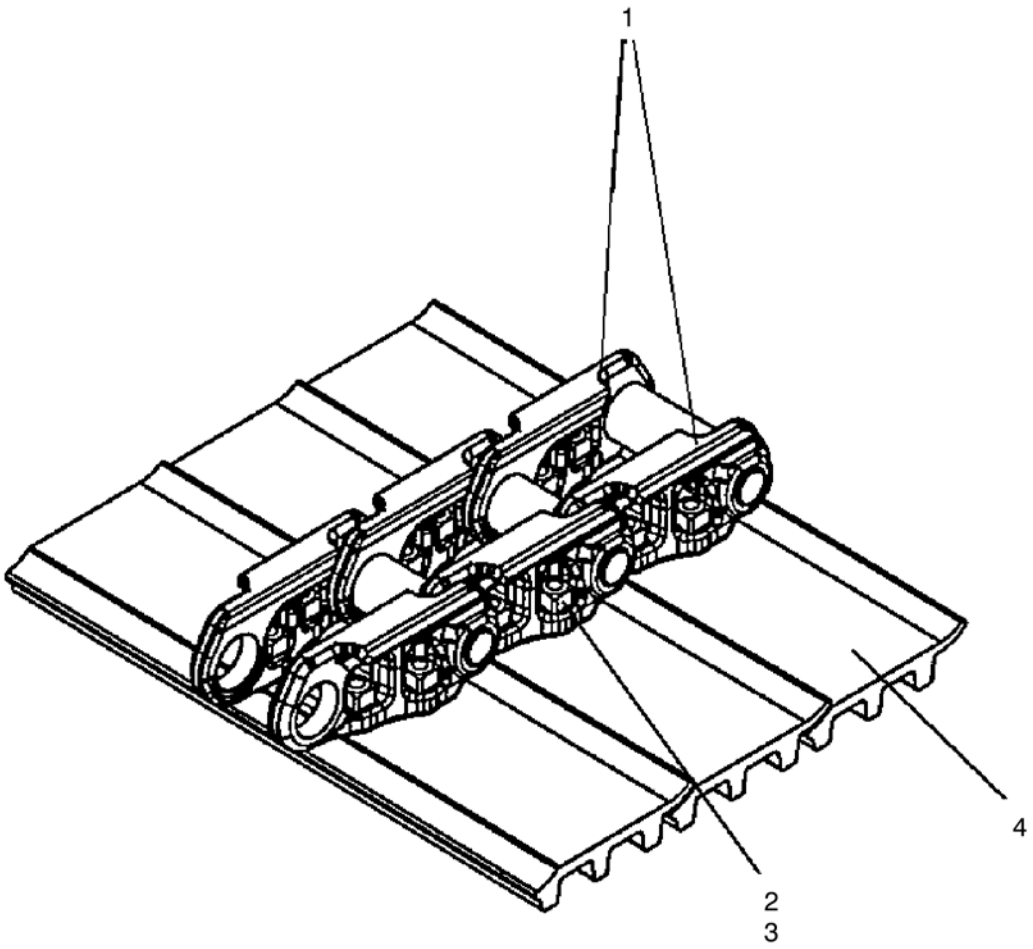


BOM 57718116

57718116 KIT,SPRING,IDLER

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57913386	1.0	EA	SPRING	
002.0	57913394	1.0	EA	TIE ROD	
003.0	57913402	1.0	EA	SPRING PLATE	
004.0	57913410	1.0	EA	SPRING PLATE	

57717456 CHAIN,TRACK-IRGT3000S



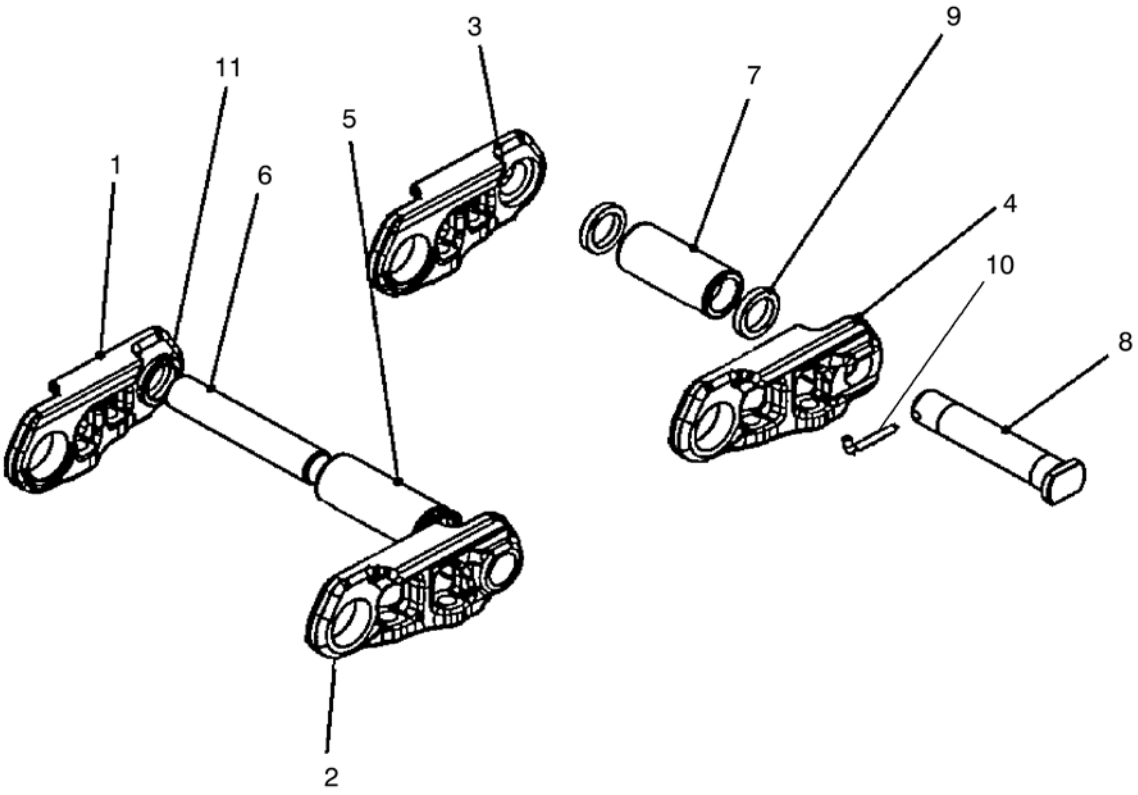
B2657717456 REV 001

BOM 57717456

57717456 CHAIN,TRACK-IRGT3000S

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57717423	1.0	EA	CHAIN,IRGT3000S,ASSM	**See Page 46**
002.0	57721581	180.0	EA	BOLT,TRACK,SHOE	
003.0	57721599	180.0	EA	NUT,TRACK,SHOE	
004.0	57721607	45.0	EA	SHOE,TRACK	

57717423 CHAIN,IRGT3000S,ASSM



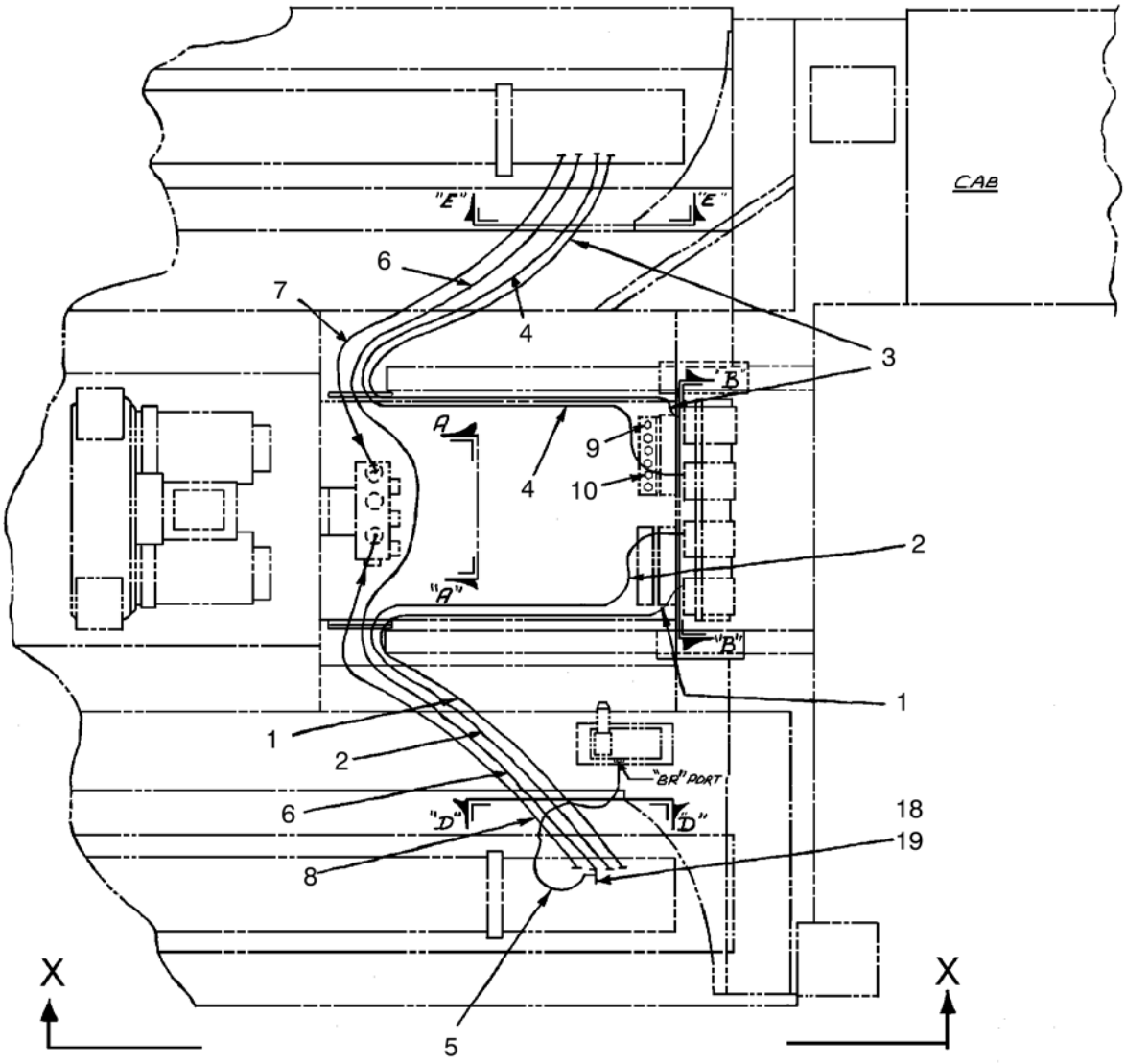
B2657717423 REV 001

BOM 57717423

57717423 CHAIN,IRGT3000S,ASSM

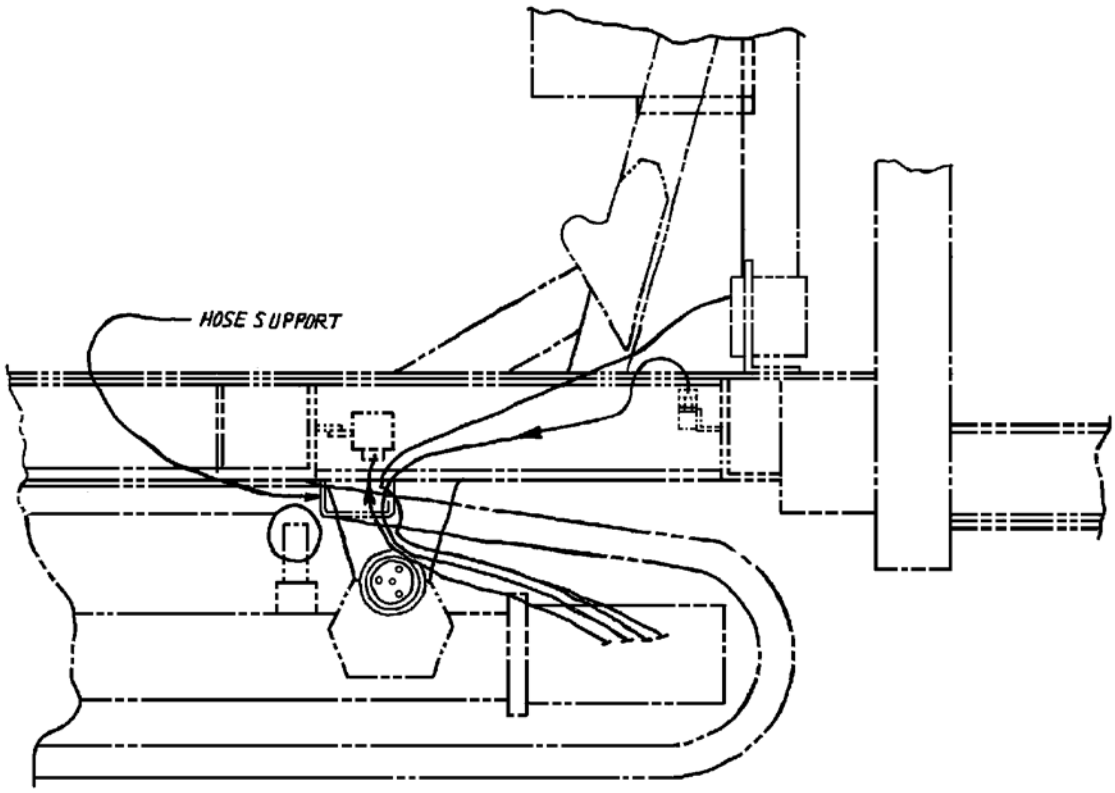
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57721474	44.0	EA	LINK,CHAIN,RH	
002.0	57721482	44.0	EA	LINK,CHAIN,LH	
003.0	57721490	1.0	EA	LINK,CHAIN,MASTER-RH	
004.0	57721508	1.0	EA	LINK,CHAIN MASTER,LH	
005.0	57721516	44.0	EA	BUSHING,CHAIN-TRACK	
006.0	57721524	44.0	EA	PIN,CHAIN-TRACK	
007.0	57721532	1.0	EA	BUSHING,MASTER-CHAIN	
008.0	57782997	1.0	EA	PIN,MASTER,COMPLETE	
-	57721540	1.0	EA	- SUB 57782997 PIN,MASTER	
-	57721557	2.0	EA	- SPACER,MASTER-BUSHING	
-	57721565	1.0	EA	- PIN,LOCK,MASTER PIN	
011.0	57721573	88.0	EA	WASHER,SEAL,TRACK	

57722282 PIPING,PROPEL,IR-DML



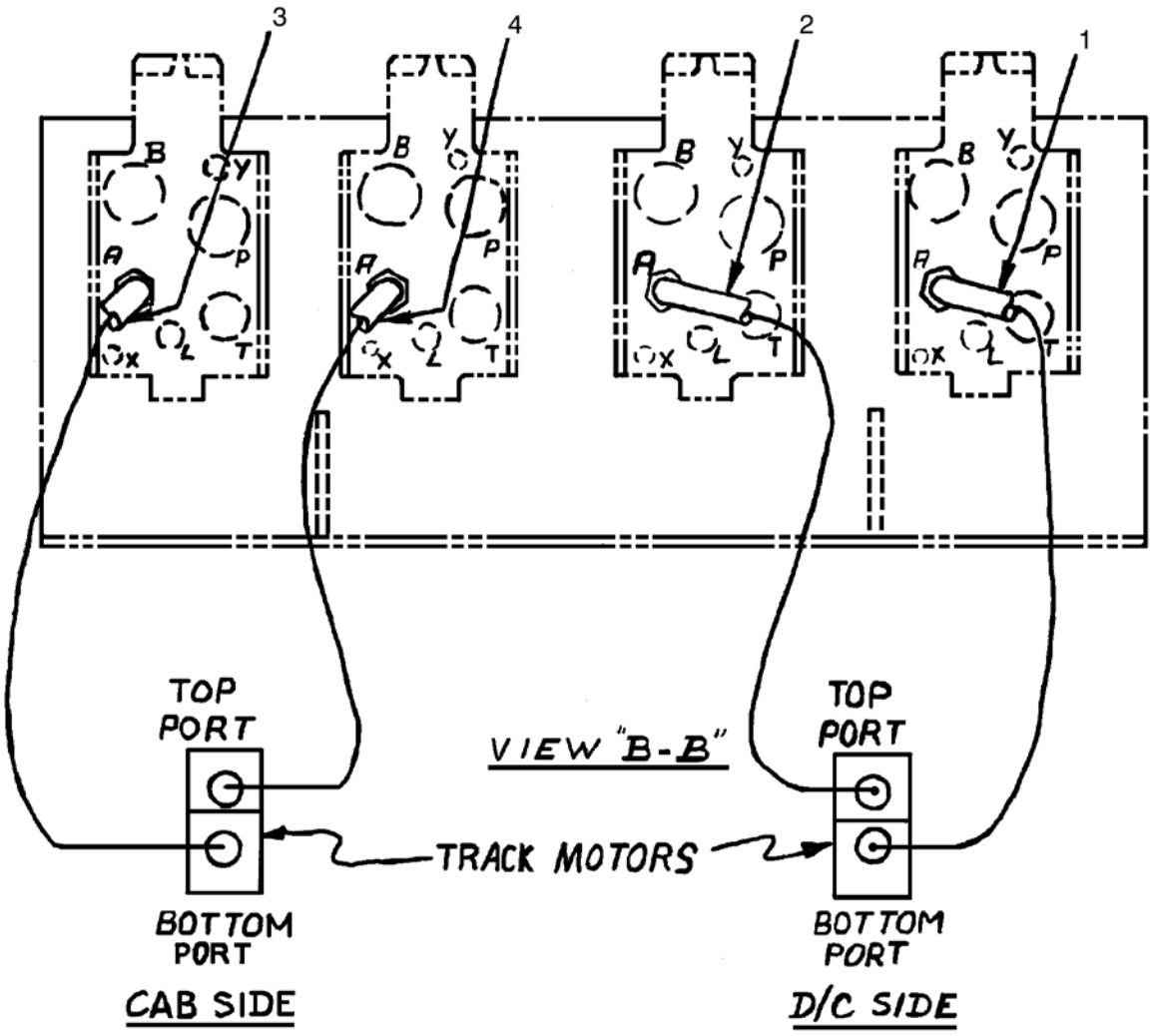
BOM 57722282

57722282 PIPING,PROPEL,IR-DML



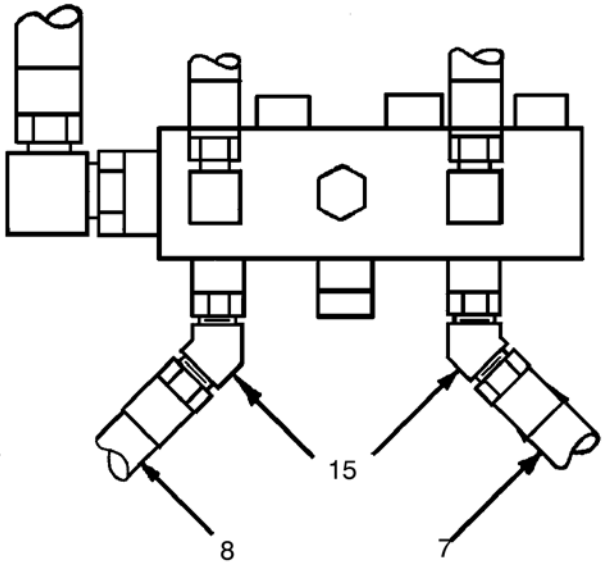
VIEW - XX

57722282 PIPING,PROPEL,IR-DML



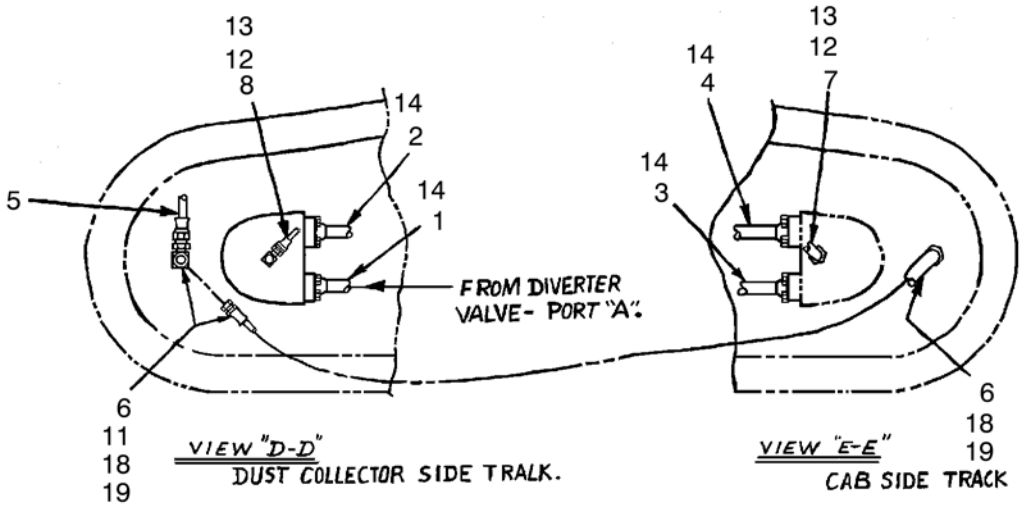
TB2657719320 REV 003

57722282 PIPING,PROPEL,IR-DML



VIEW "A-A"

57722282 PIPING,PROPEL,IR-DML



BOM 57722282

57722282 PIPING,PROPEL,IR-DML

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57441495	1.0	EA	HOSE ASSY	
002.0	57441495	1.0	EA	HOSE ASSY	
003.0	57441495	1.0	EA	HOSE ASSY	
004.0	57441495	1.0	EA	HOSE ASSY	
005.0	57431314	1.0	EA	HOSE ASSY	
006.0	56255490	1.0	EA	HOSE ASSEMBLY	
007.0	56992118	1.0	EA	HOSE ASSY	
008.0	56992118	1.0	EA	HOSE ASSY	
009.0	95343596	1.0	EA	PLUG,HEX HEAD,O-RING	
010.0	95323465	1.0	EA	PLUG,HEX HEAD,STRT THRD	
011.0	95415667	1.0	EA	FITTING, HYD	
012.0	57391559	2.0	EA	CONNECTOR, MALE	
013.0	57072423	2.0	EA	ADAPTER	
014.0	56248479	4.0	EA	KIT,METRIC SPLIT FLANGE	
015.0	95359410	2.0	EA	ELBOW,45DEG,STRT THRD	
018.0	56919004	2.0	EA	FITTING, HYD	
019.0	59767483	2.0	EA	FITTING,HYD.METRICSTRTHD	

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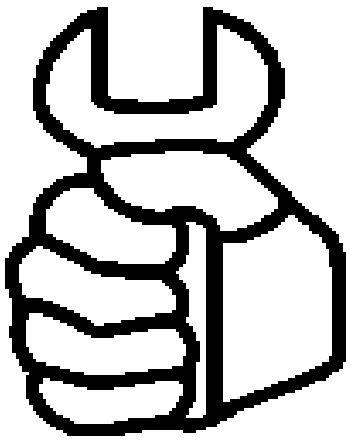
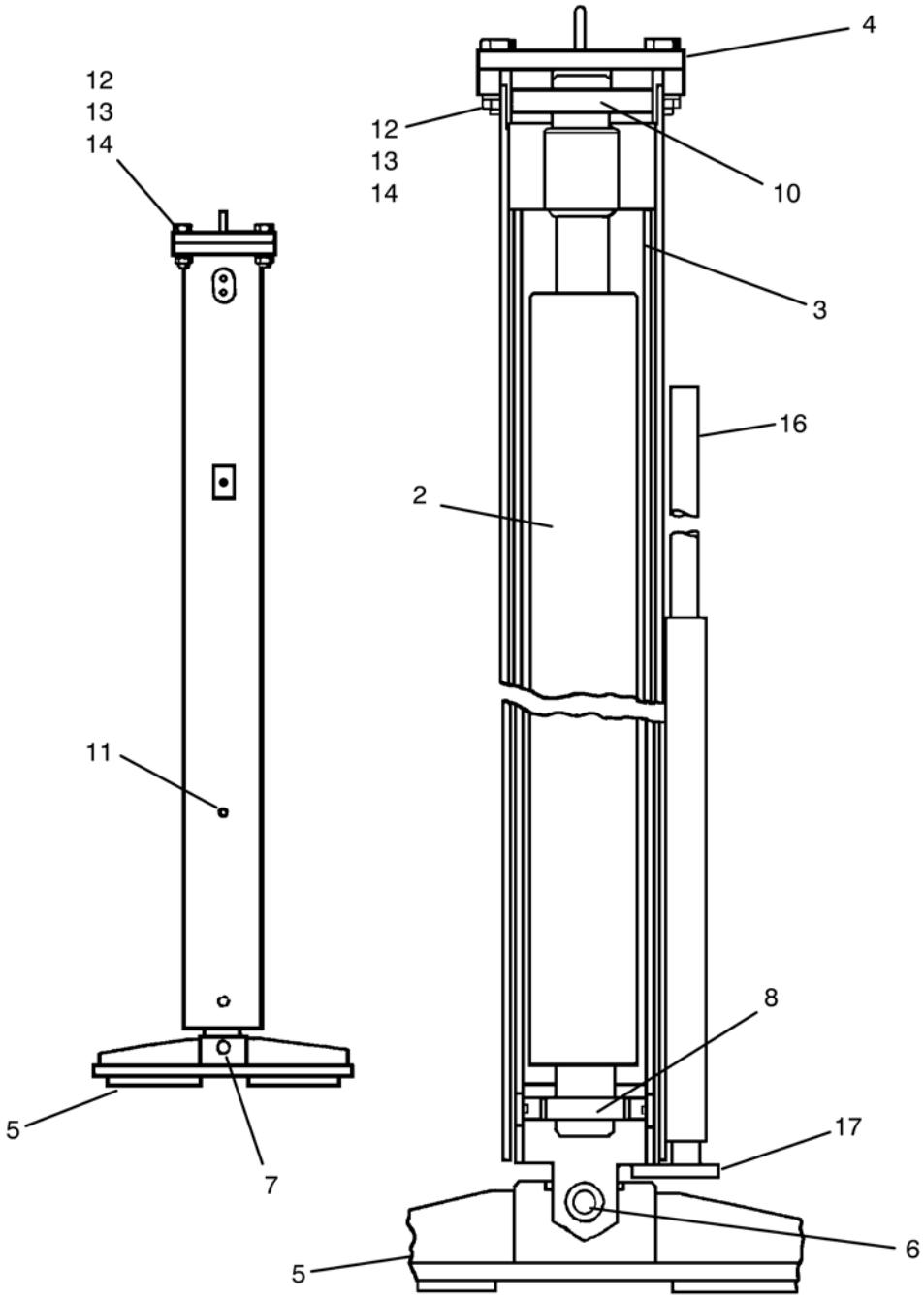


Section C - Jacks

57501967 JACK,FRONT,ASSM



TB2657199655 REV 006

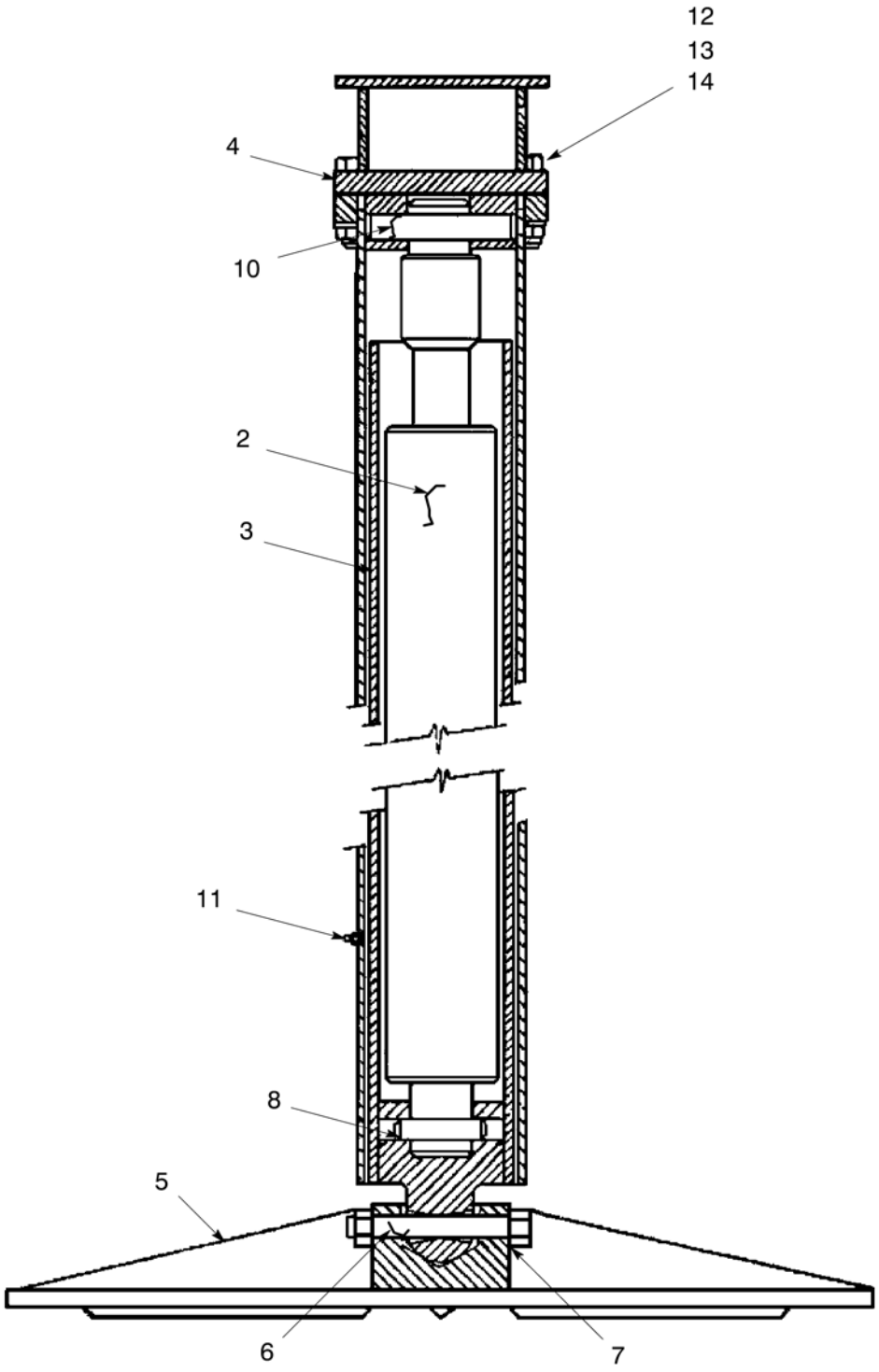
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57501967

57501967 JACK,FRONT,ASSM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57755589	2.0	EA	CYLINDER HYDRAULIC	
-	57780082	2.0	EA	- VALVE,COUNTERBALANCE	
-	57780074	1.0	EA	- SEAL KIT,CYLINDER	
003.0	50072347	2.0	EA	SLIDE	
-	50105832	1.0	EA	- ANCHOR,D	
-	95101457	2.0	EA	- PLUG PIPE	
004.0	50173467	2.0	EA	CAP	
005.0	57630048	2.0	EA	PAD,JACK CAST/30"	
006.2	95403036	2.0	EA	CAPSCREW	
007.0	95080149	1.0	EA	LOCKNUT	
008.0	50067834	2.0	EA	PIN	
010.0	50171941	2.0	EA	PIN,ANCHOR	
011.1	95201547	4.0	EA	FITTING,LUBE	
012.1	95920286	8.0	EA	CAPSCREW,HEXHEAD,PLATED	
013.1	95934717	8.0	EA	LOCKWASHER,SPRING,PLATED	
014.1	95941084	8.0	EA	NUT,HEX,FINISHED,PLATED	
016.0	50462324	2.0	EA	GUIDE	
017.0	50462332	2.0	EA	PLATE	

57736043 JACK,ASSM,REAR DML



BOM 57736043

57736043 JACK,ASSM,REAR DML

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57755589	1.0	EA	CYLINDER HYDRAULIC	
-	57780082	2.0	EA	- VALVE,COUNTERBALANCE	
-	57780074	1.0	EA	- SEAL KIT,CYLINDER	
003.0	50072347	1.0	EA	SLIDE	
-	50105832	1.0	EA	- ANCHOR,D	
-	95101457	2.0	EA	- PLUG PIPE	
004.0	57735995	1.0	EA	REST,TOWER DML	
005.0	57630030	1.0	EA	PAD,JACK CAST,26",REAR	
006.0	95403036	1.0	EA	CAPSCREW	
007.0	95080149	1.0	EA	LOCKNUT	
008.0	50067834	1.0	EA	PIN	
010.0	50171941	1.0	EA	PIN,ANCHOR	
011.0	95201547	2.0	EA	FITTING,LUBE	
012.0	95920286	4.0	EA	CAPSCREW,HEXHEAD,PLATED	
013.0	95934717	4.0	EA	LOCKWASHER,SPRING,PLATED	
014.0	95941084	4.0	EA	NUT,HEX,FINISHED,PLATED	

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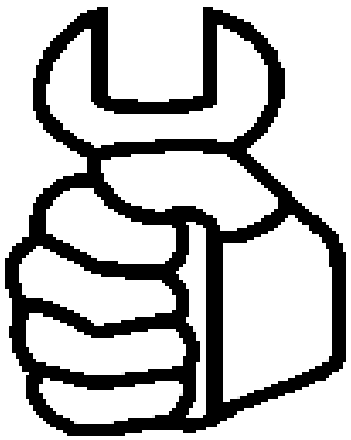
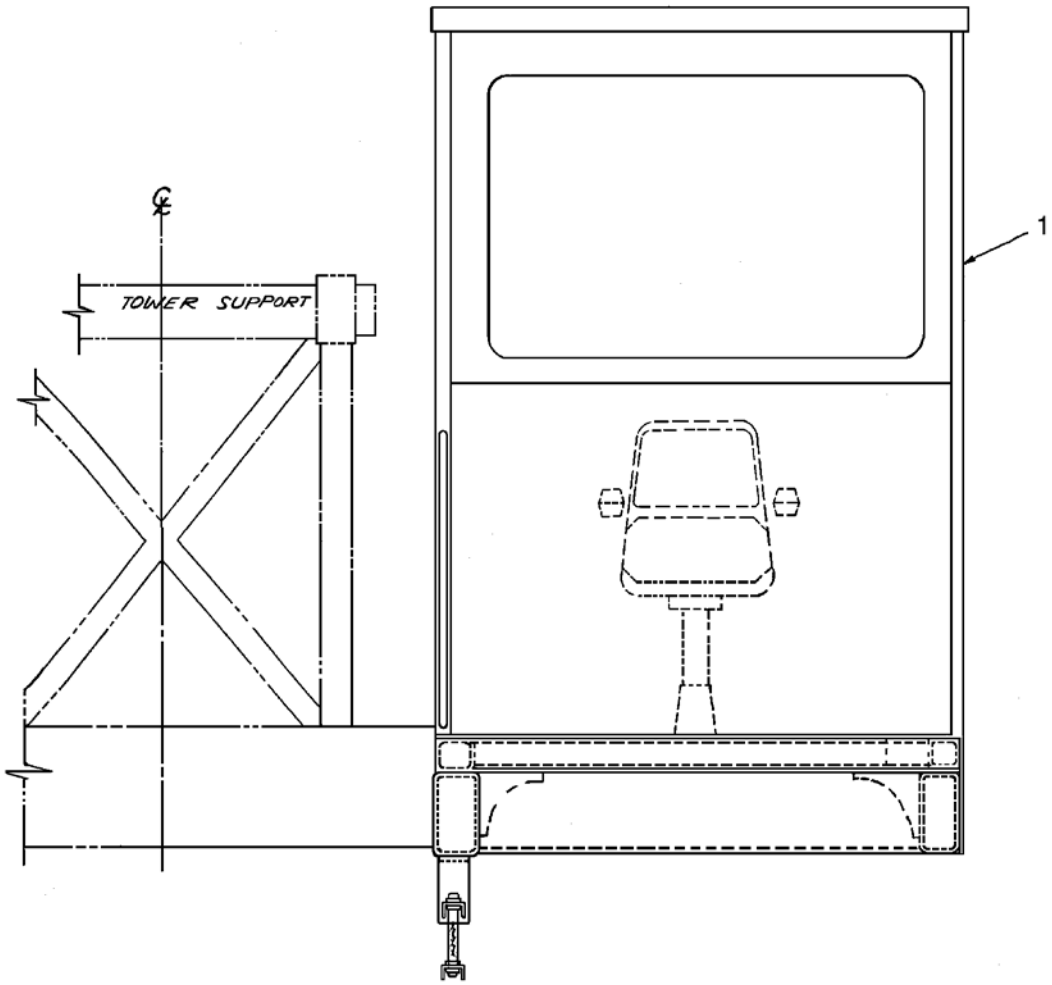


Section D - Cab/Console

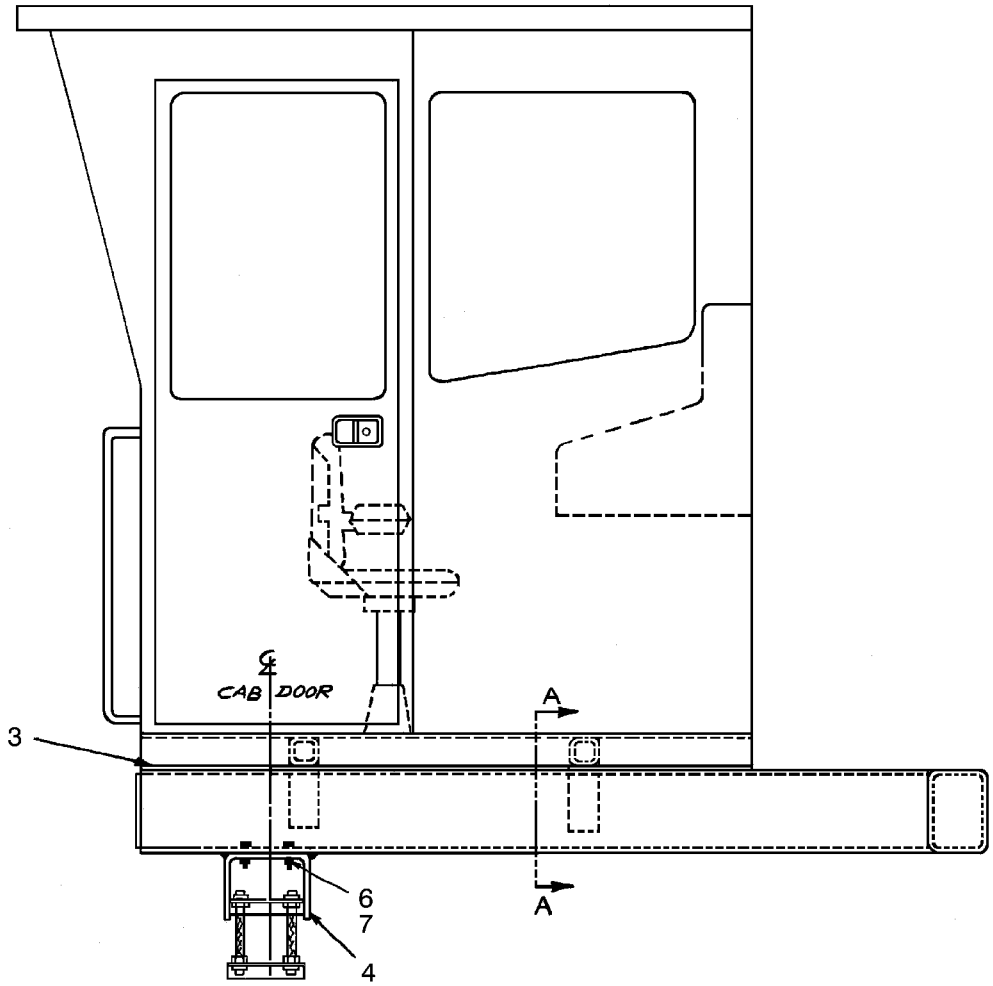
57668196 CAB,INST TIER 2



5 –CONNECTOR KIT, 4–WAYMALE ITEM NOT SHOWN
8 –SILICONE COMPOUND ITEM NOT SHOWN

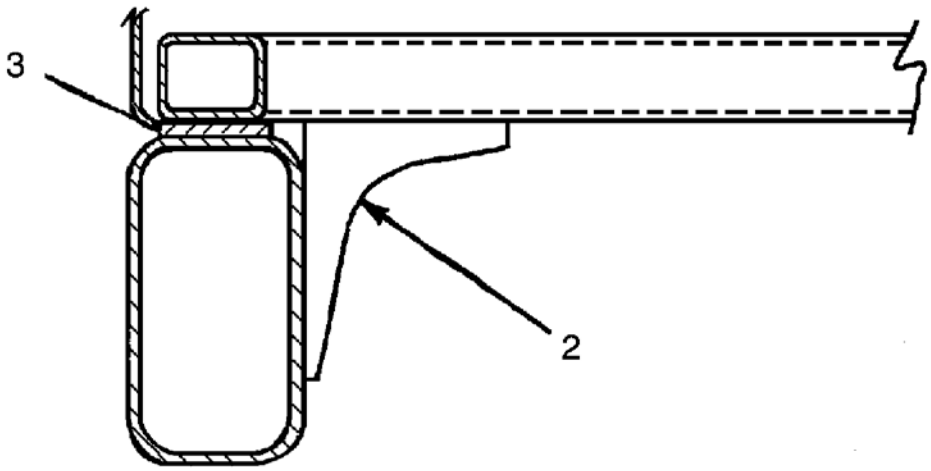
BOM 57668196

57668196 CAB,INST TIER 2



TB2657596595 REV 010

57668196 CAB,INST TIER 2



SECTION A–A

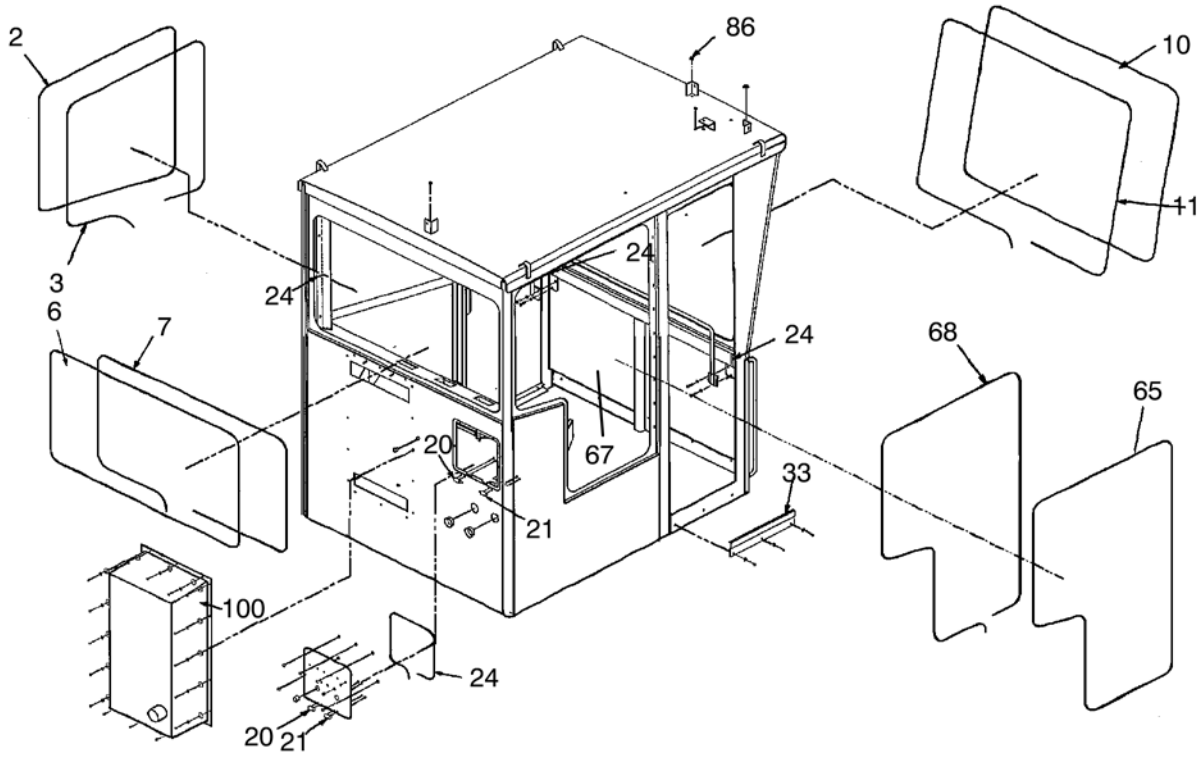
TB2657596595 REV 010

BOM 57668196

57668196 CAB,INST TIER 2

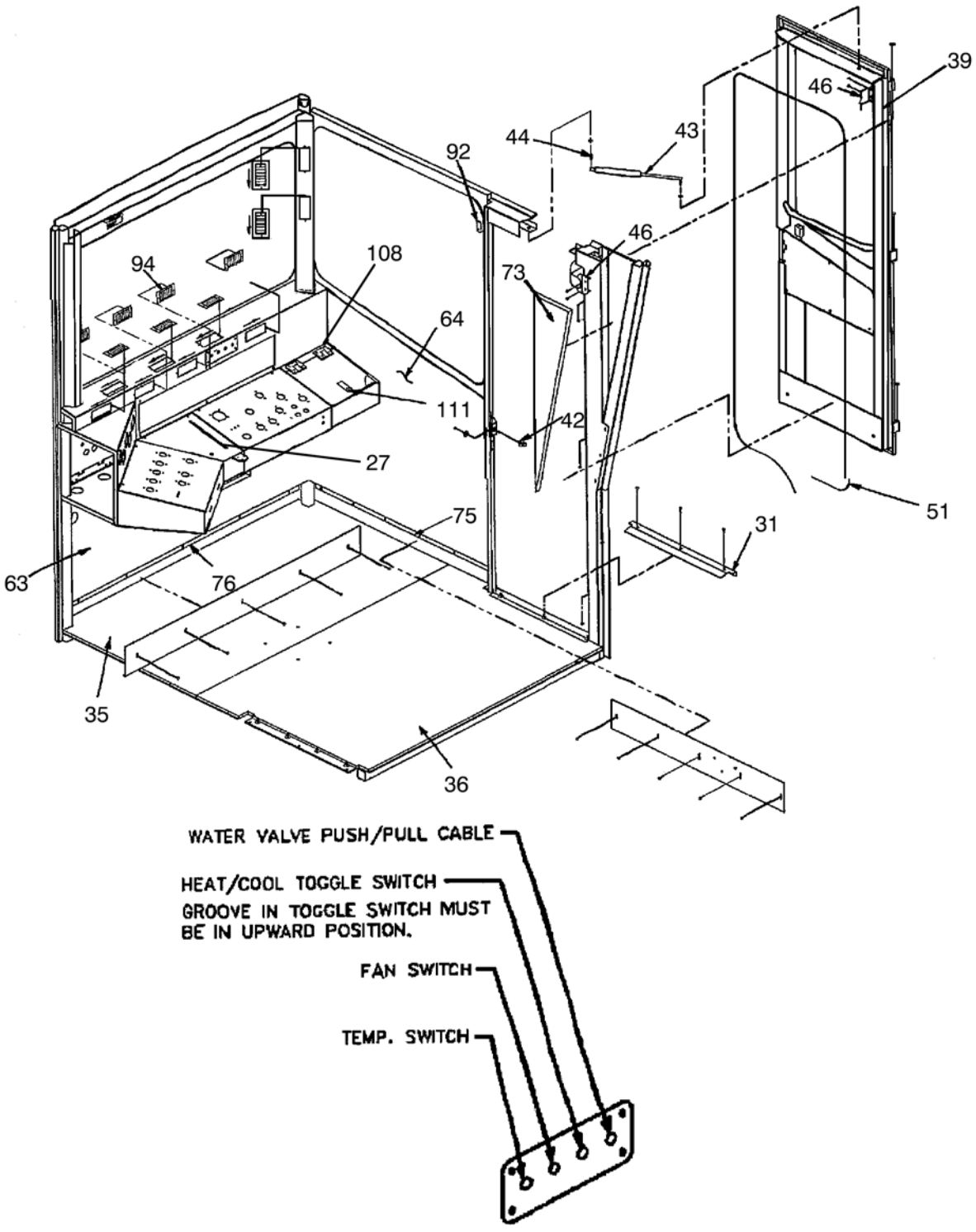
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57752768	1.0	EA	CAB,BARE,DM45/L	**See Page 66**
002.0	57588519	4.0	EA	GUSSET,CAB MTG,DM45/50/L	
003.0	57068942	213.0	IN	RUBBER STRIP, 1/4 X4	
004.0	57214470	1.0	EA	STEP,CAB	**See Page 92**
005.0	57367872	1.0	EA	CONNECTOR KIT,4-WAYMALE	
006.0	95934733	2.0	EA	WASHER,LOCK	
007.0	95934659	2.0	EA	CAPSCREW,HEX	
008.0	50700731	1.0	EA	COMPOUND,SILICONE	

57752768 CAB,BARE,DM45/L



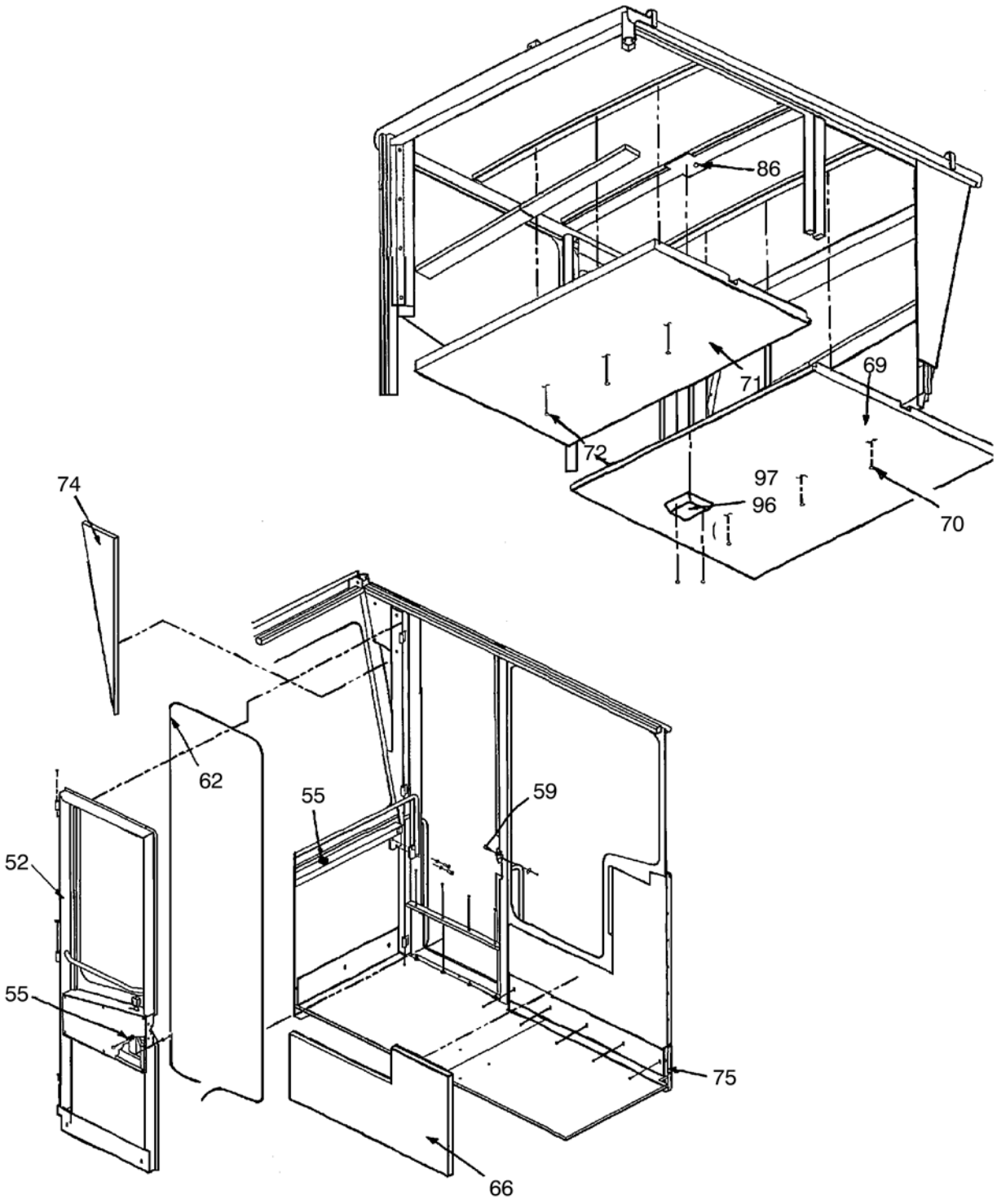
BOM 57752768

57752768 CAB,BARE,DM45/L



C2657752768 REV 002

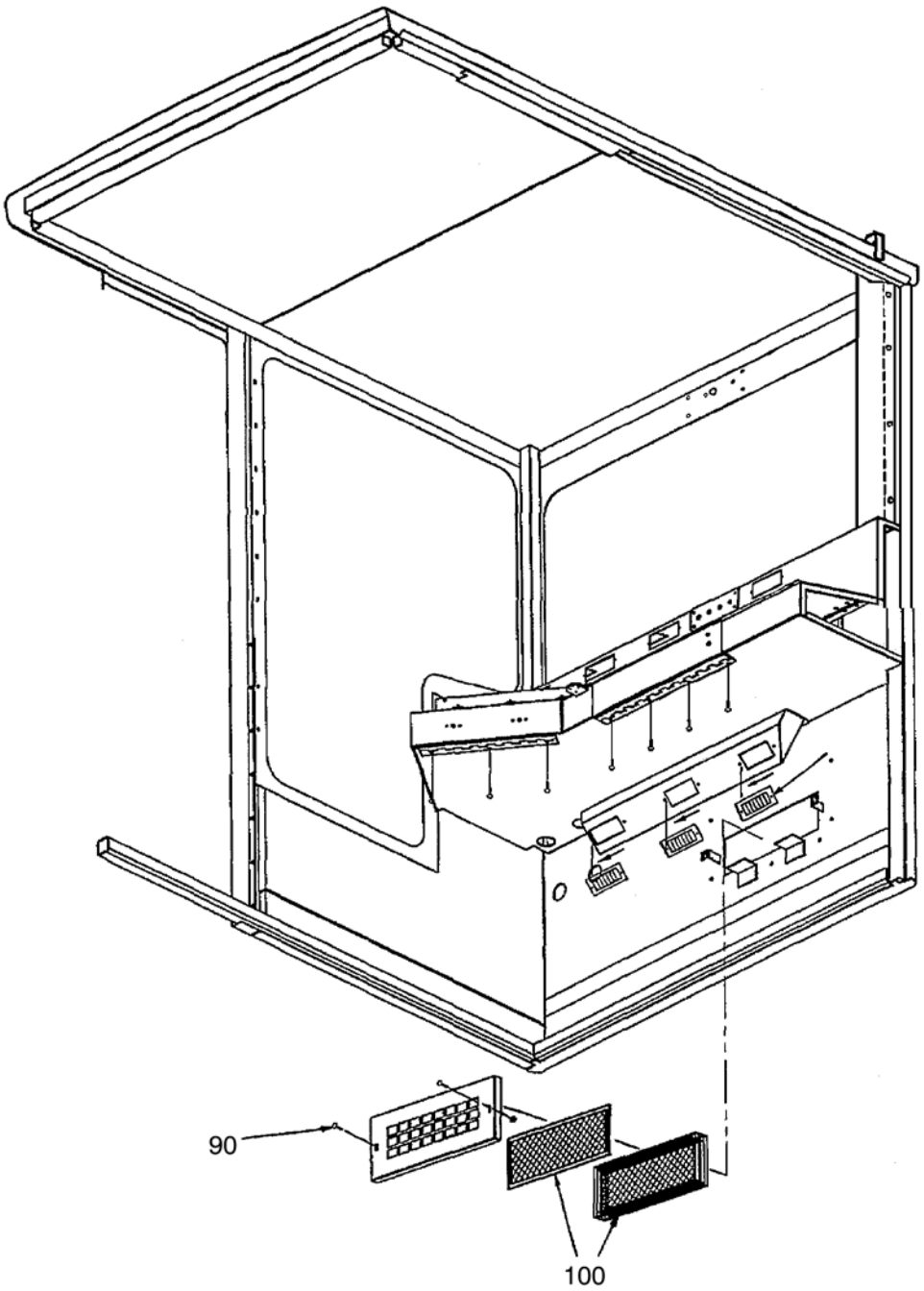
57752768 CAB,BARE,DM45/L



C2657752768 REV 002

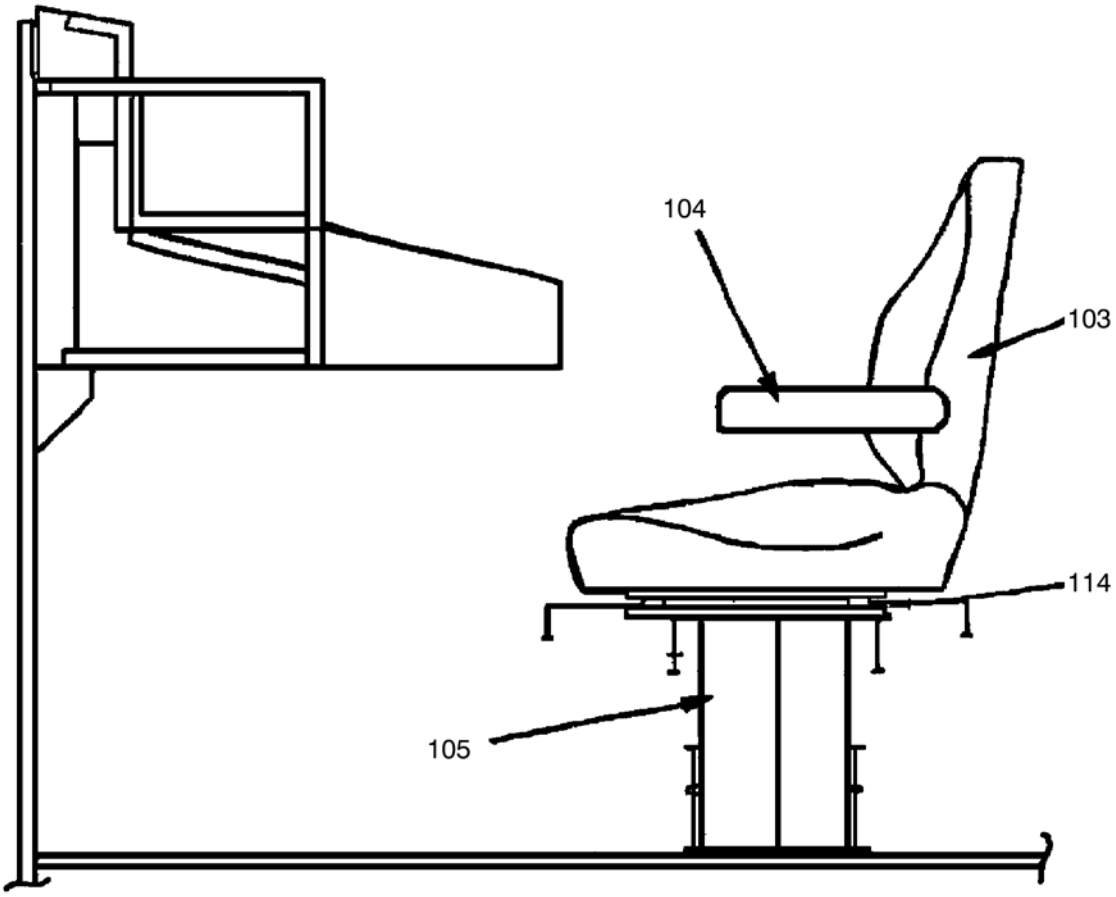
BOM 57752768

57752768 CAB,BARE,DM45/L



C2657752768 REV 002

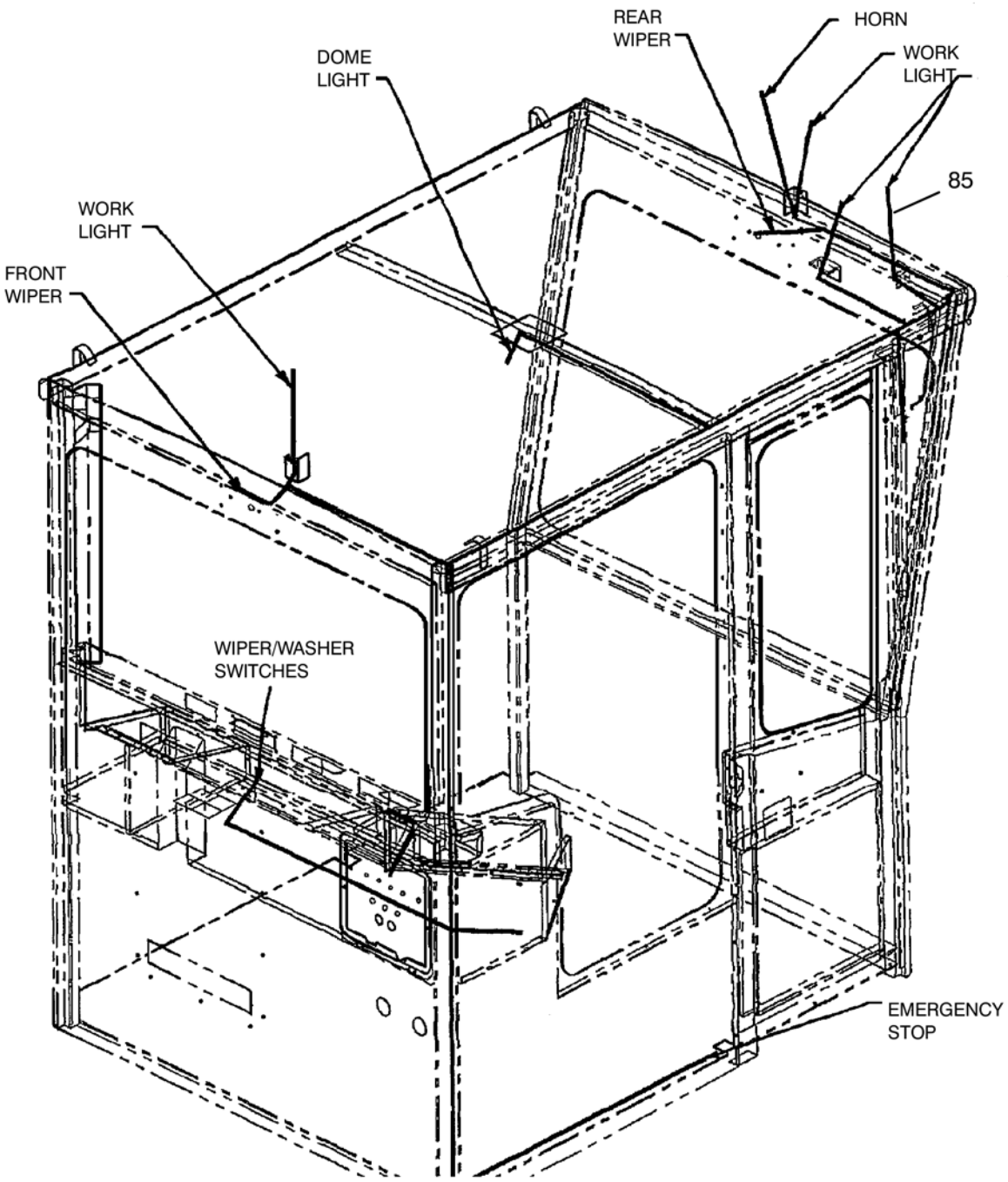
57752768 CAB,BARE,DM45/L



C2657752768 REV 002

BOM 57752768

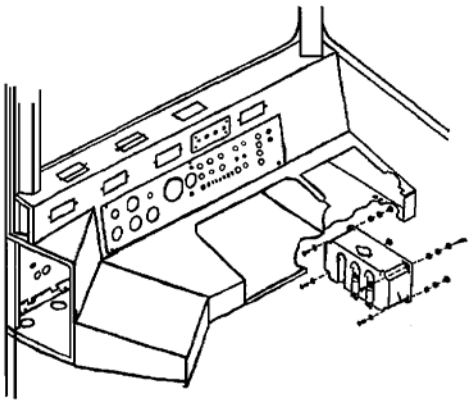
57752768 CAB,BARE,DM45/L



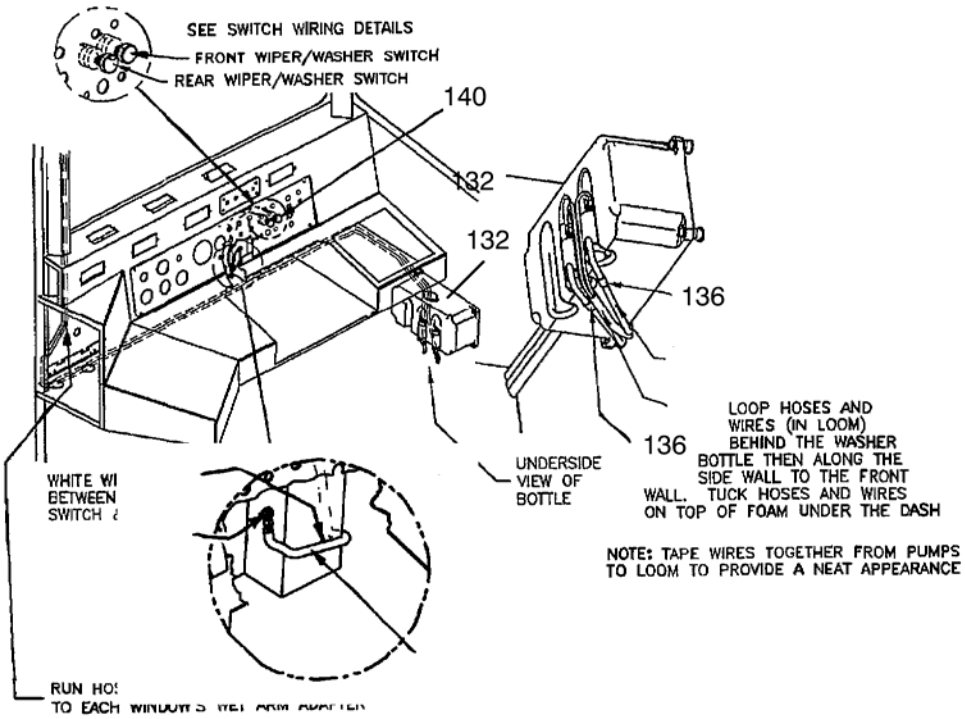
C2657752768 REV 002

57752768 CAB,BARE,DM45/L

WASHER BOTTLE ASSEMBLY DETAIL

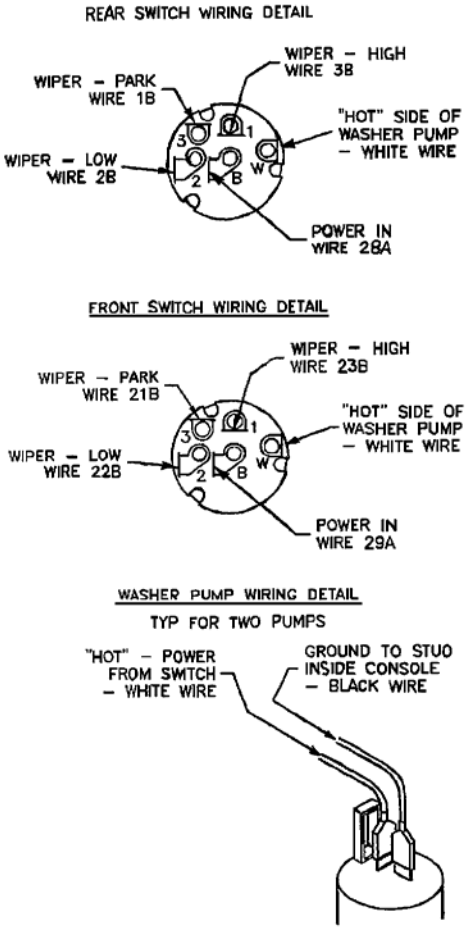


WASHER HOSE ROUTING DETAIL



C2657752768 REV 002

57752768 CAB,BARE,DM45/L



C2657752768 REV 002

BOM 57752768

57752768 CAB,BARE,DM45/L

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57540916	1.0	EA	GLASS,WINDOW-CURB SIDE	
003.0	57540981	14.0	FT	RUBBER,WINDOW-OFFSET	
006.0	57561599	1.0	EA	GLASS-WINDOW,REAR	
007.0	57540981	15.0	FT	RUBBER,WINDOW-OFFSET	
010.0	57561607	1.0	EA	GLASS-WINDOW,FRONT	
011.0	57540981	17.0	FT	RUBBER,WINDOW-OFFSET	
020.0	57561615	1.0	EA	HINGE ASSY-RH,HOSE PANEL	
021.0	57561623	1.0	EA	HINGE ASSY-LH,HOSE PANEL	
024.0	57561631	5.0	FT	FOAM, GASKET	
027.0	57829301	1.0	EA	PANEL,ENGINE FUNCTIONS	
031.0	54589866	1.0	EA	THRESHOLD,R.H. DOOR	
033.0	54589874	1.0	EA	THRESHOLD,L.H. DOOR	
035.0	57541013	1.0	EA	FLOORMAT, FRONT	
036.0	57561649	1.0	EA	FLOORMAT, REAR	
039.0	57766644	1.0	EA	DOOR,CURBSIDE,2LATCH,ASM	**See Page 76**
042.0	57540973	1.0	EA	BOLT, STRIKER	
043.0	57561672	1.0	EA	SPRING,GAS-DOOR CURBSIDE	
044.0	57561680	2.0	EA	STUD-DOOR SPRING	
046.0	57561698	1.0	EA	RESTRAINT-DOOR	
051.0	57541005	19.0	FT	SEAL, BULB-90 DEGREE	
052.0	57561664	1.0	EA	DOOR ASSY - TOWER SIDE	**See Page 78**
055.0	57561706	1.0	EA	HOLDER SET - DOOR	
059.0	57540973	1.0	EA	BOLT, STRIKER	
062.0	57541005	19.0	FT	SEAL, BULB-90 DEGREE	
063.0	57561714	1.0	EA	FOAM,FRONT	
064.0	57561722	1.0	EA	FOAM - CURB SIDE	
065.0	57540908	1.0	EA	GLASS,WINDOW-TOWER SIDE	
066.0	57561730	1.0	EA	FOAM - TOWER SIDE	
067.0	57561748	1.0	EA	FOAM - REAR	
068.0	57540981	18.0	FT	RUBBER,WINDOW-OFFSET	
069.0	57561755	1.0	EA	FOAM - ROOF, REAR	
070.0	57604845	3.0	EA	FASTENER,TREE	
071.0	57561763	1.0	EA	FOAM - ROOF, FRONT	
072.0	57604845	3.0	EA	FASTENER,TREE	
073.0	57561771	1.0	EA	FOAM,REAR-CURB SIDE	
074.0	57561789	1.0	EA	FOAM,REAR-TOWER SIDE	
075.0	57561797	2.0	EA	FOAM,SIDES-KICK PLATE	
076.0	57561805	2.0	EA	FOAM,FRONT/REAR-KICK PL	
085.0	57561813	1.0	EA	HARNESS, WIRE-CAB	
086.0	57561821	5.0	EA	GROMMET-ROOF	
090.0	54537139	7.0	EA	SCREW,CAPTIVE,QUICK OPEN	
092.0	57588428	1.0	EA	HANGER,COAT	

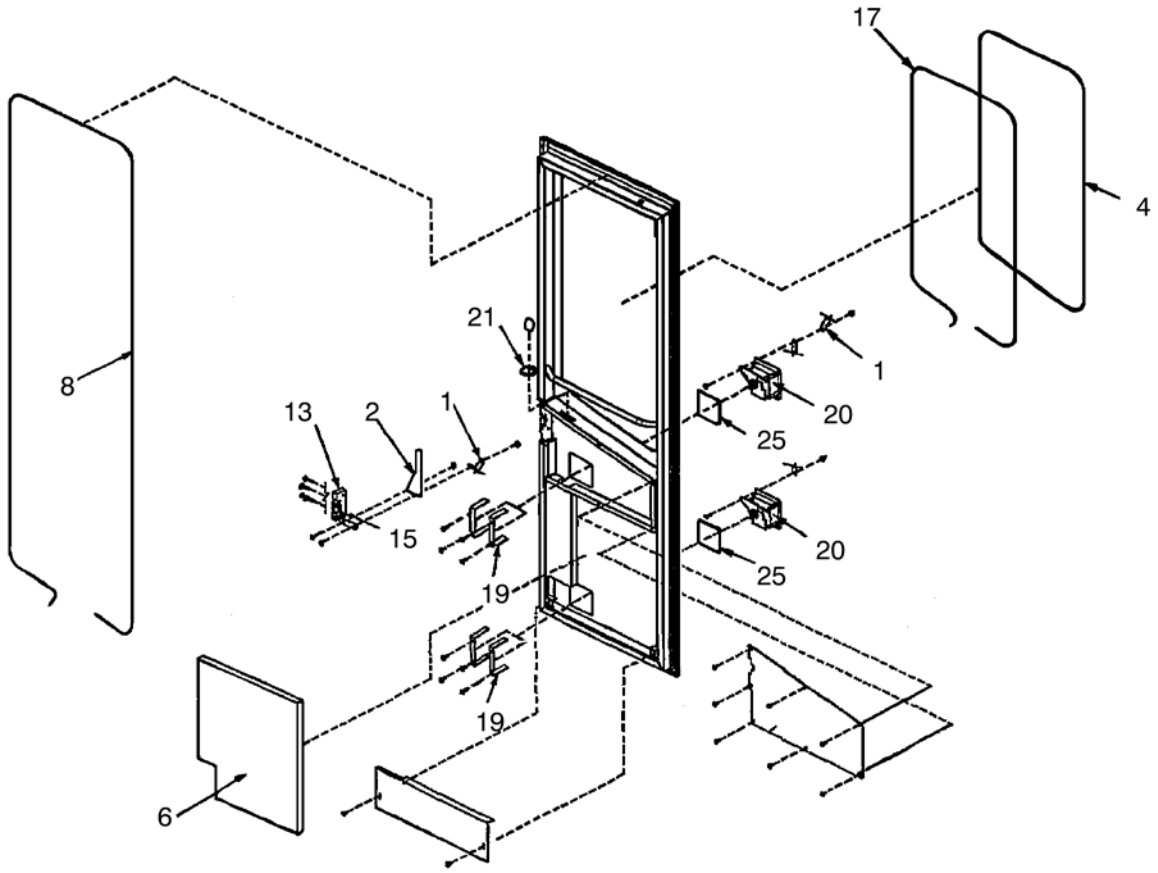
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57752768

57752768 CAB,BARE,DM45/L

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
094.0	52106457	12.0	EA	LOUVER, AURORA	
096.0	57561839	1.0	EA	DOMELIGHT-ROOF	
097.0	58175019	1.0	EA	LAMP,24V	
100.0	57554644	1.0	EA	AIR CONDITIONER, ASSY	**See Page 80**
103.0	57569444	1.0	EA	SEAT,OPERATOR	
104.0	57561854	1.0	EA	ARMREST KIT - SEAT,CAB	
105.0	57561862	1.0	EA	PEDESTAL-SEAT	
108.0	57561888	2.0	EA	HINGE,TOOL BOX, CAB	
111.0	57561896	1.0	EA	LATCH-TOOL BOX,CAB	
114.0	57561870	1.0	EA	SWIVEL ASSY - SEAT	
132.0	57790826	1.0	EA	BOTTLE,WASHER,5L,24V	
136.0	57801268	2.0	EA	VALVE,CHECK,WASHER HOSE	
139.0	57674814	2.0	EA	ADAPTER,WET ARM	
140.0	57604936	2.0	EA	SWITCH,WIPER/WASHER	
147.0	52106291	2.0	EA	MOTOR,WIPER	
149.0	52106325	1.0	EA	PIVOT MTG,PLATE ASY	
151.0	57690398	2.0	EA	COVER,WIPER MOTOR	
152.0	57814683	1.0	EA	BLADE, WIPER 20"	
153.0	57745127	1.0	EA	BLADE,WIPER 28	
154.0	57541146	1.0	EA	ARM,WIPER-20	
155.0	57541153	1.0	EA	ARM,WIPER-28	
156.0	52125838	2.0	EA	SHAFT,WIPER PIVOT	
157.0	57541104	2.0	EA	WIPER,DRIVE ARM	
158.0	57690414	2.0	EA	WELDMENT,WIPER BRACKET	

57766644 DOOR,CURBSIDE,2LATCH,ASM



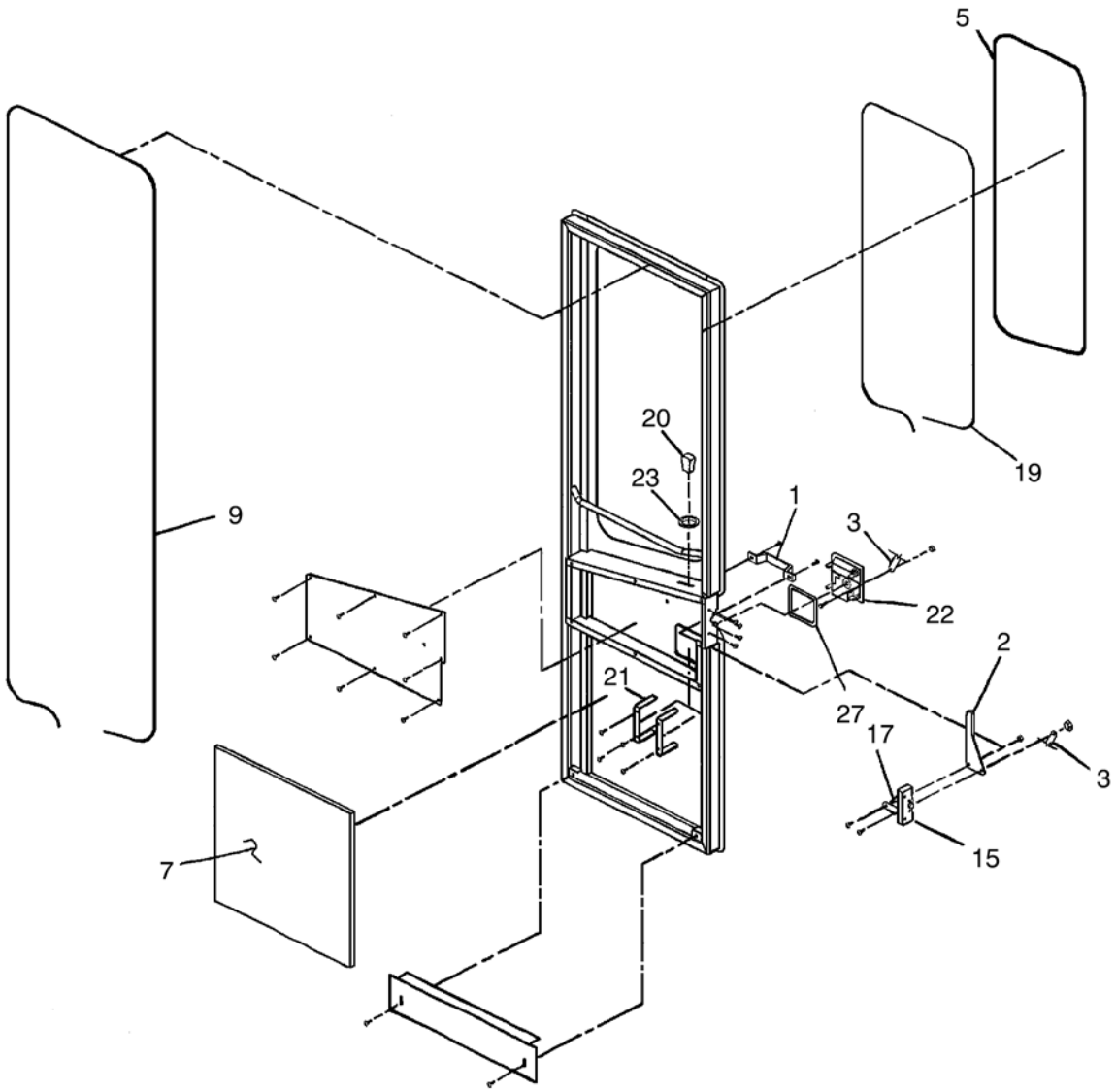
B2657766644 REV 001

BOM 57766644

57766644 DOOR,CURBSIDE,2LATCH,ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57541070	1.0	EA	LINKAGE, LATCH	
002.0	57541062	1.0	EA	LATCH, INSIDE RELEASE	
004.0	57541021	1.0	EA	GLASS,DOOR-CURB SIDE	
006.0	57589301	1.0	EA	FOAM,RH DOOR	
008.0	57541005	19.0	FT	SEAL, BULB-90 DEGREE	
013.0	52106606	1.0	EA	LATCH, CAM	
015.0	57561565	1.0	EA	SPRING,TENSION-DOORLATCH	
017.0	57540981	10.0	FT	RUBBER,WINDOW-OFFSET	
019.0	52106630	4.0	EA	BRACKET, MOUNTING	
020.0	57541054	2.0	EA	LATCH, PADDLE- CURB SIDE	
021.0	57561573	1.0	EA	GROMMET-DOOR GRIP	
025.0	57561581	2.0	EA	GASKET-DOOR LATCH	

57561664 DOOR ASSY - TOWER SIDE

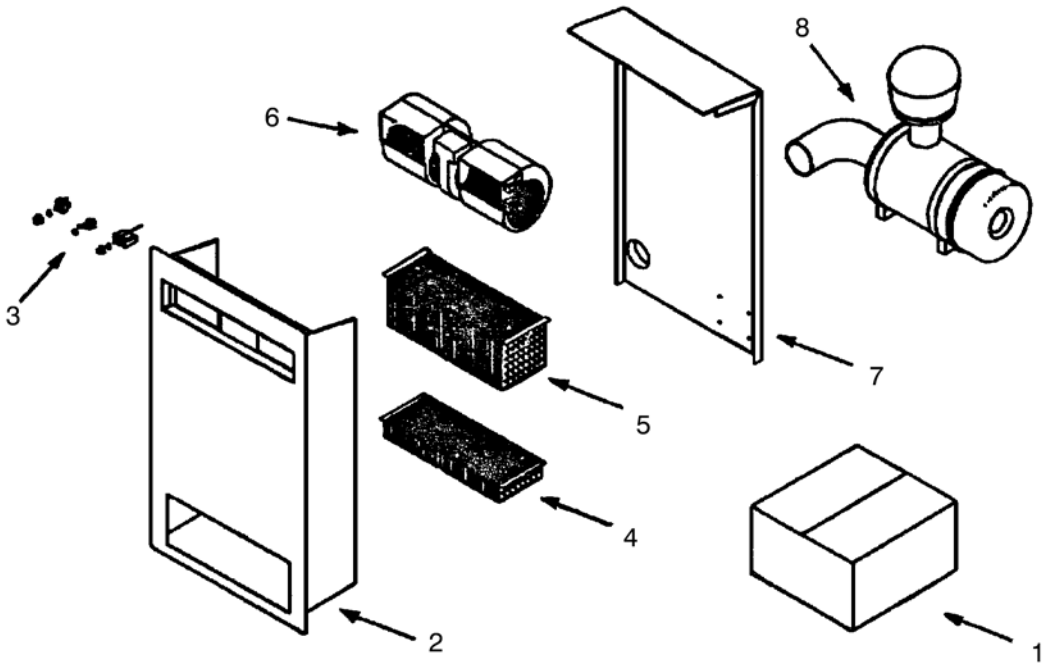


BOM 57561664

57561664 DOOR ASSY - TOWER SIDE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57561532	1.0	EA	HANDLE,GRAB-TWR SIDEDOOR	
002.0	57541062	1.0	EA	LATCH, INSIDE RELEASE	
003.0	57541070	1.0	EA	LINKAGE, LATCH	
005.0	57541088	1.0	EA	GLASS,DOOR-TOWER SIDE	
007.0	57561540	1.0	EA	FOAM-TOWER SIDE DOOR	
009.0	57541005	19.0	FT	SEAL, BULB-90 DEGREE	
015.0	52106606	1.0	EA	LATCH, CAM	
017.0	57561565	1.0	EA	SPRING,TENSION-DOORLATCH	
019.0	57540999	12.0	FT	RUBBER, WINDOW- DOOR	
020.0	57541047	1.0	EA	GRIP, HAND	
021.0	52106630	2.0	EA	BRACKET, MOUNTING	
022.0	57541112	1.0	EA	LATCH, PADDLE-TOWER SIDE	
023.0	57561573	1.0	EA	GROMMET-DOOR GRIP	
027.0	57561581	1.0	EA	GASKET-DOOR LATCH	

57554644 AIR CONDITIONER, ASSY

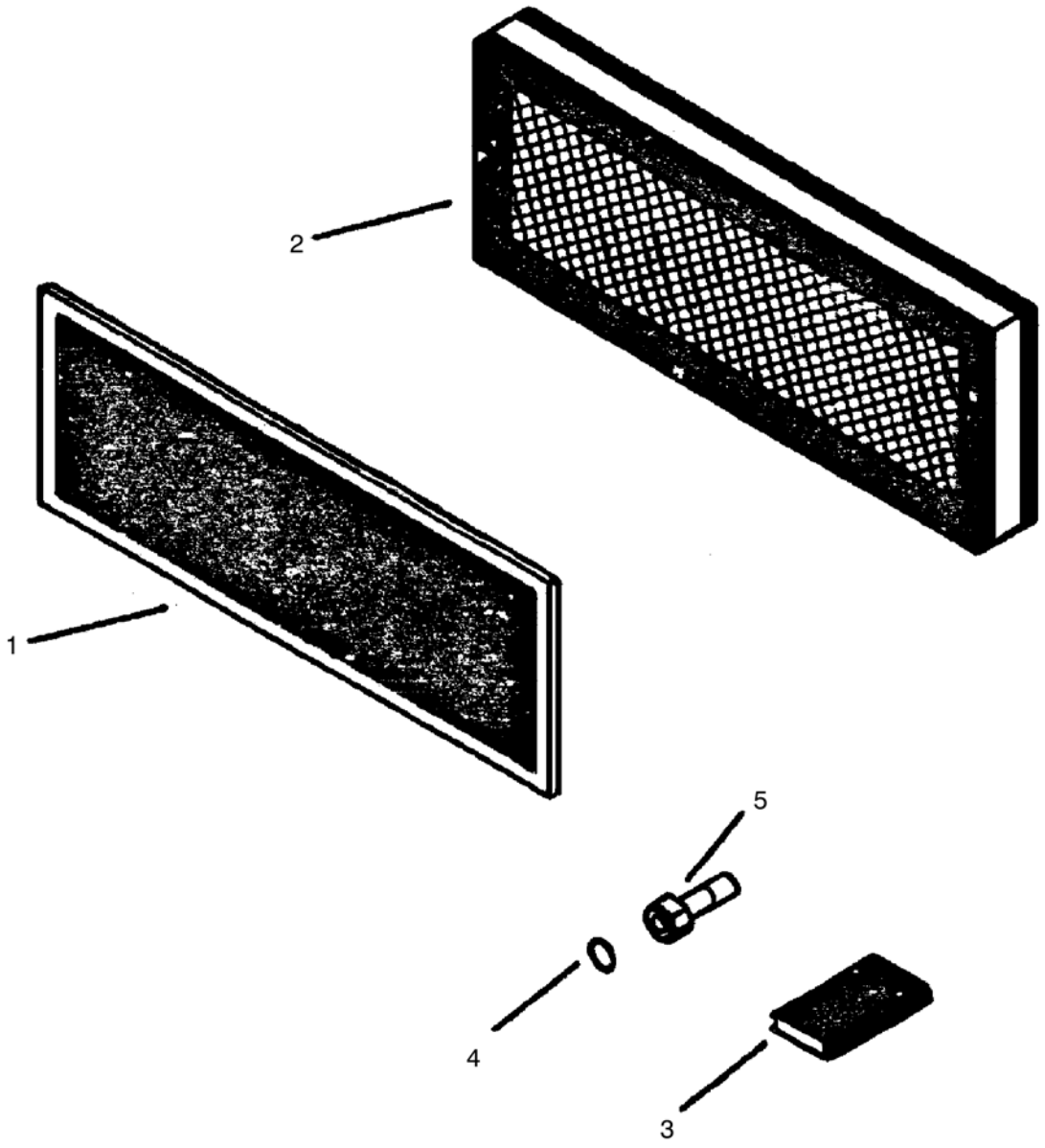


BOM 57554644

57554644 AIR CONDITIONER, ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57554685	1.0	EA	PACKAGE KIT, 805 IR	**See Page 82**
002.1	57555666	1.0	EA	HOUSING, REAR	
003.1	57554693	1.0	EA	SWITCH ASSY,IR AP	**See Page 84**
004.1	57554669	1.0	EA	COIL ASSY, HTR	**See Page 86**
005.1	57554651	1.0	EA	COIL ASSY	**See Page 88**
006.1	57516379	1.0	EA	BLOWER ASSEMBLY	
-	57894990	1.0	EA	- MOTOR,BLOWER-AC	
-	57554826	1.0	EA	- RESISTOR,4 SPADE	
007.1	57555674	1.0	EA	HOUSING, FRONT COVER	
008.0	57554677	1.0	EA	FILTER W/ PREFIL & ELBOW	**See Page 90**

57554685 PACKAGE KIT, 805 IR

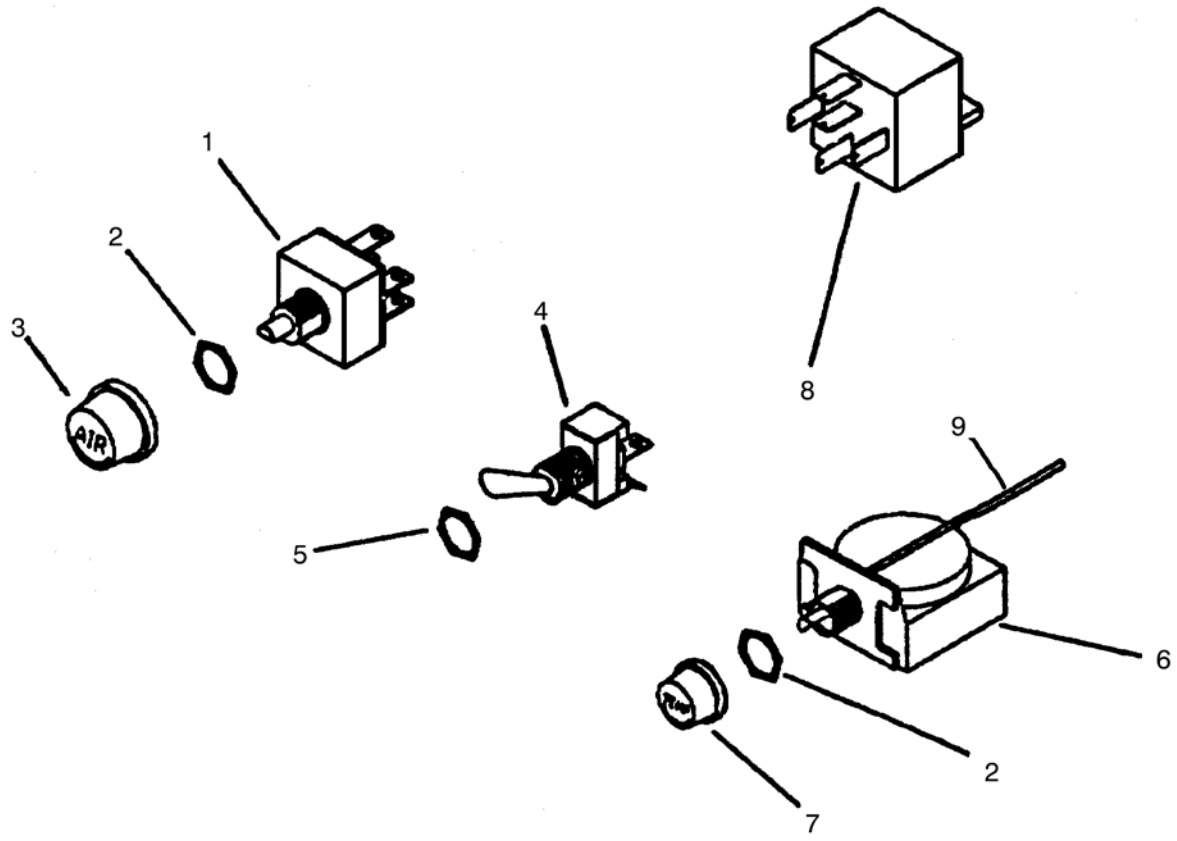


BOM 57554685

57554685 PACKAGE KIT, 805 IR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57516106	1.0	EA	FILTER, MAIN	
002.1	57516098	1.0	EA	PREFILTER	
003.0	57554834	2.0	EA	TUBE, KAZOO	
004.1	57554735	2.0	EA	O-RING, #8	
005.1	57554768	2.0	EA	FITTING STR/301, HEATER	

57554693 SWITCH ASSY,IR AP

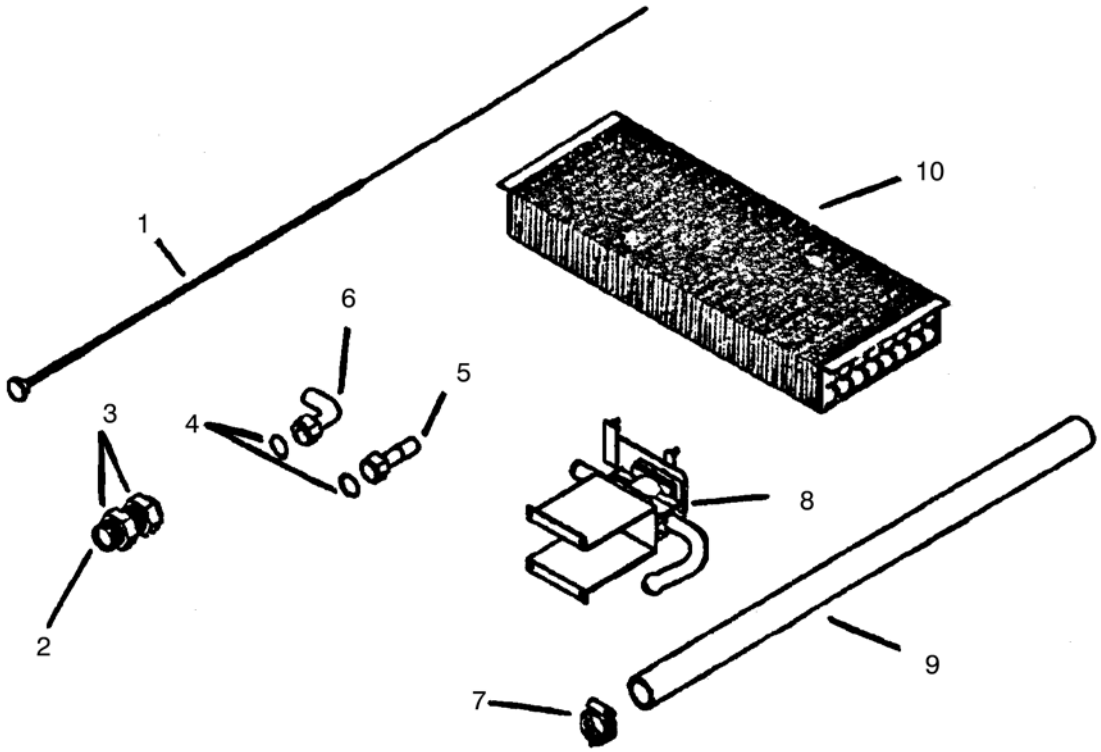


BOM 57554693

57554693 SWITCH ASSY,IR AP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57477937	1.0	EA	SWITCH,ROTARY	
002.1	57554875	2.0	EA	SWITCH NUT STANDARD	
003.1	57477945	1.0	EA	KNOB,TEMPERATURE	
004.1	57554842	1.0	EA	SWITCH,TOGGLE WIRE LEAD	
005.1	57554883	1.0	EA	SWITCH NUT, HEAT/COOL	
006.1	57554859	1.0	EA	THERMOSTAT,ROTARY	
007.1	57477929	1.0	EA	KNOB,FAN	
008.1	57516619	1.0	EA	RELAY,24V	
009.0	57554891	1.0	EA	HARNESS,WIRE,INTERNAL	

57554669 COIL ASSY, HTR

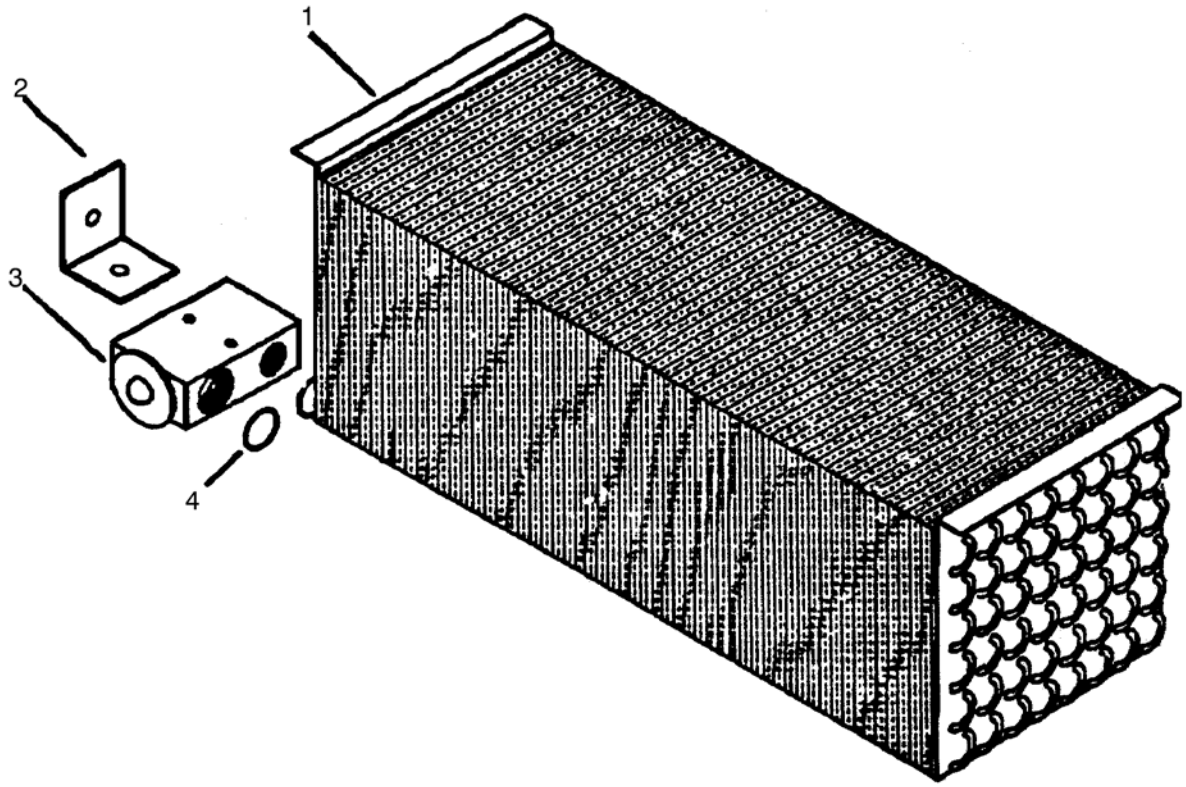


BOM 57554669

57554669 COIL ASSY, HTR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57554792	1.0	EA	CABLE, WATER VALVE	
002.1	57554784	2.0	EA	FITTING BLKHD	
003.1	57555682	4.0	EA	NUT, HEX JAM 3/4-16	
004.0	57554735	2.0	EA	O-RING, #8	
005.1	57554768	1.0	EA	FITTING STR/301, HEATER	
006.1	57555690	1.0	EA	HEATER FITTING	
007.1	57555708	6.0	EA	HOSE CLAMP, 10/12	
008.0	57554750	1.0	EA	VALVE ASSY, WATER	
009.0	57555716	2.0	EA	HEATER HOSE, 5/8	
010.0	57554776	1.0	EA	COIL, HEATER	

57554651 COIL ASSY

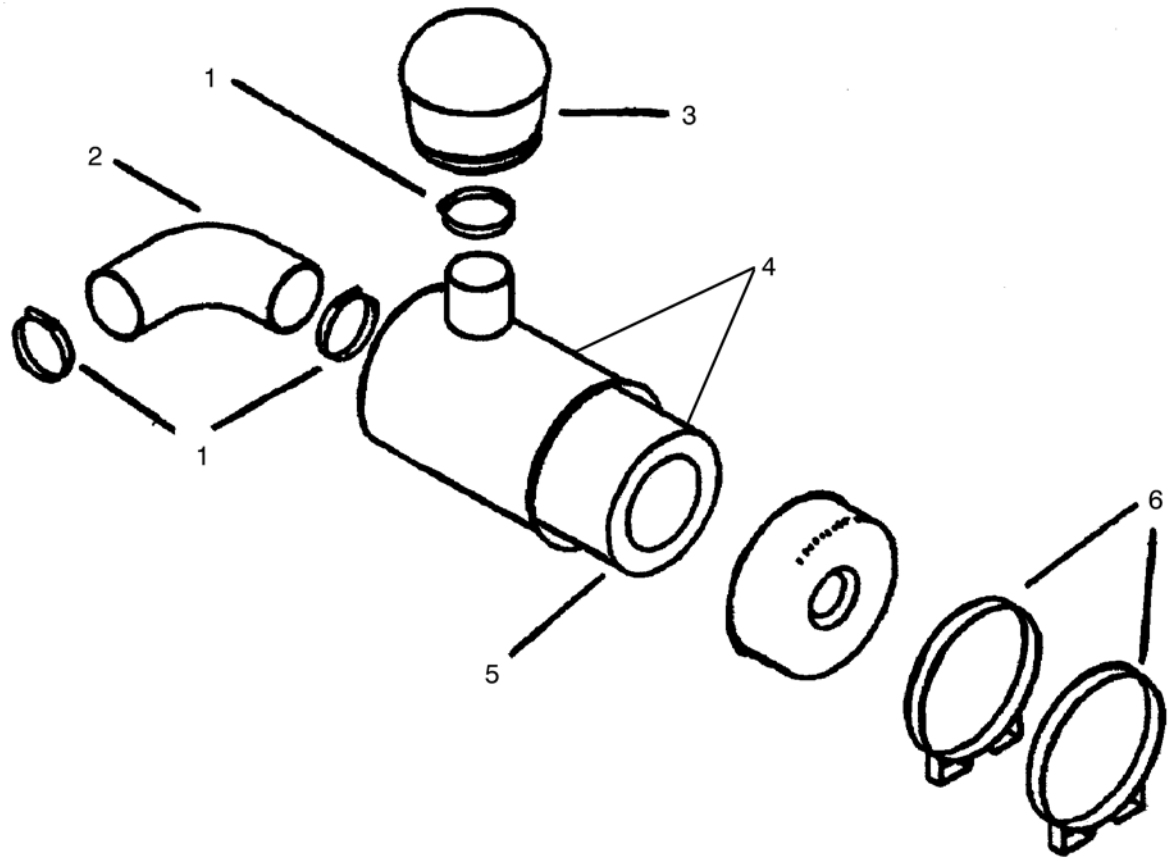


BOM 57554651

57554651 COIL ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57554727	1.0	EA	EVAPORATOR COIL	
002.1	57554743	1.0	EA	BRACKET, EXP VALVE MTG	
003.1	57477911	1.0	EA	VALVE, EXPANSION BLOCK	
004.1	57554735	2.0	EA	O-RING, #8	

57554677 FILTER W/ PREFIL & ELBOW

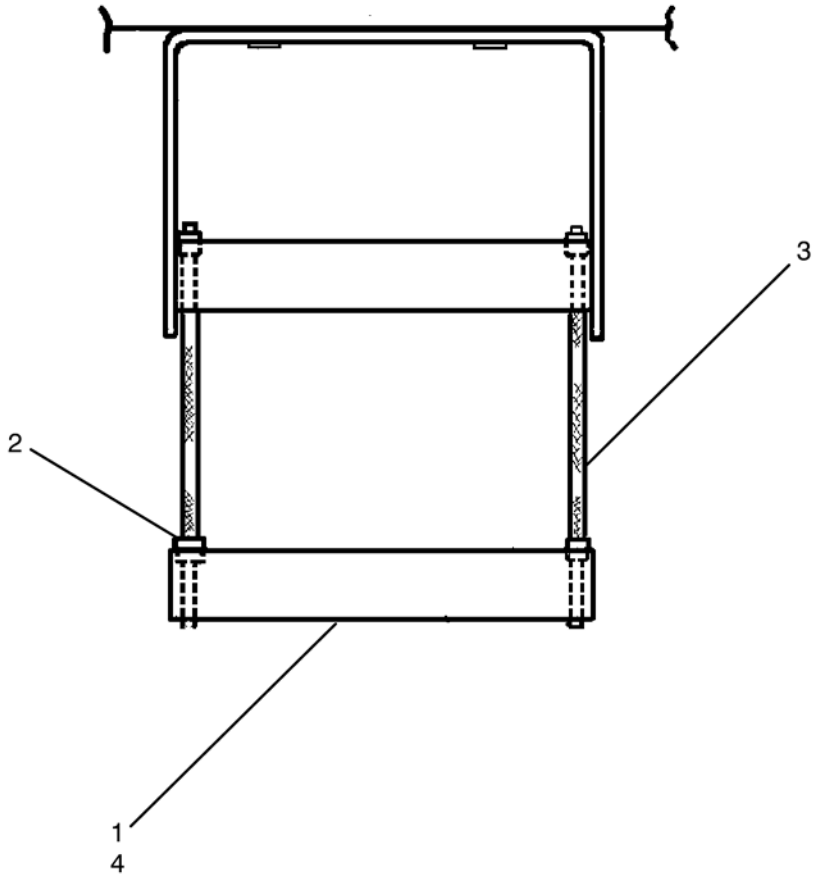


BOM 57554677

57554677 FILTER W/ PREFIL & ELBOW

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57555732	3.0	EA	HOSE CLAMP	
002.0	57555740	1.0	EA	ELBOW, RUBBER-3	
003.0	57555724	1.0	EA	PRE-FILTER	
004.0	57431884	1.0	EA	AIR CLEANER	
-	59860841	1.0	EA	- ELEMENT-AIR CLEANER	
005.0	59860841	1.0	EA	ELEMENT-AIR CLEANER	
006.0	57555757	2.0	EA	MOUNT BAND	

57214470 STEP,CAB



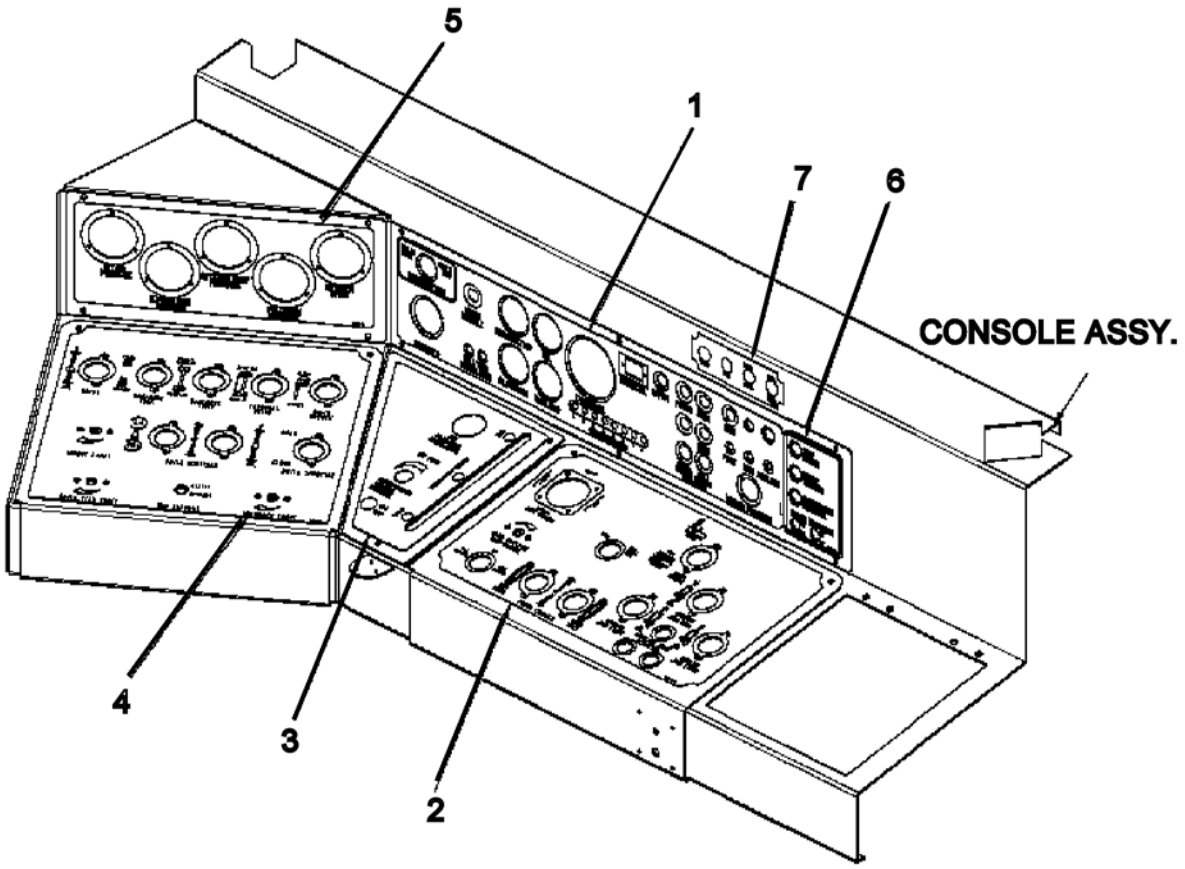
BOM 57214470

57214470 STEP,CAB

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57047847	2.0	EA	RUNG LADDER	
002.0	57068587	4.0	EA	PIPE	
003.0	57068595	2.0	EA	ROPE,WIRE	
004.0	57214488	1.0	EA	PLATE, SUPPORT	

BOM 57902637

57902637 NPLATES,CUM LP,PORT,BLK

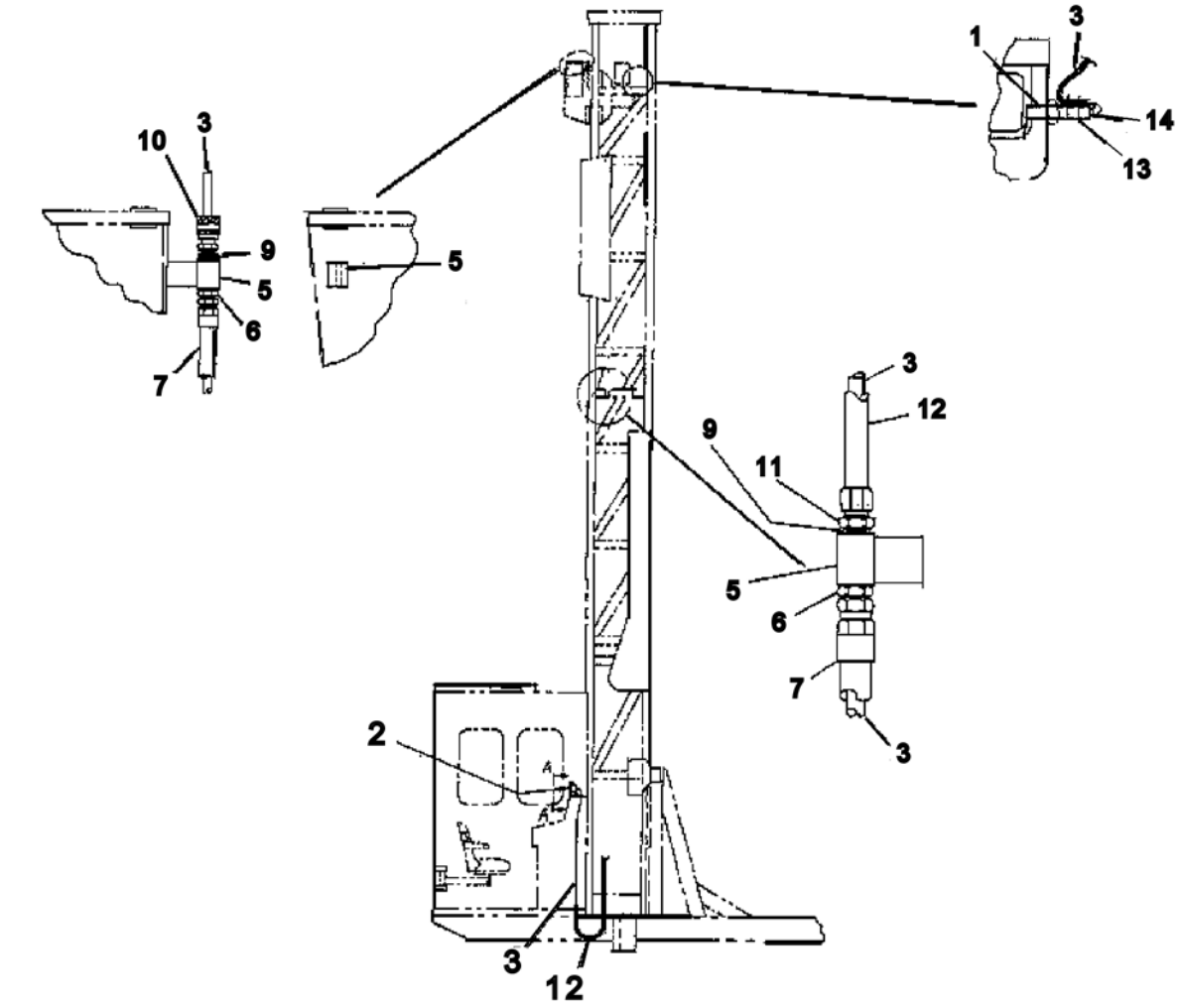


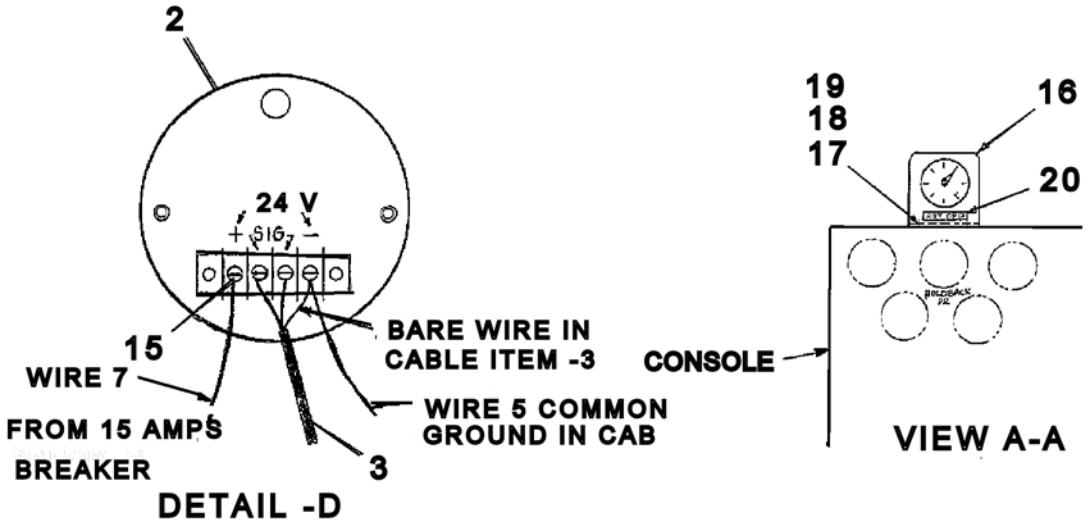
BOM 57902637

57902637 NPLATES,CUM LP,PORT,BLK

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57829400	1.0	EA	DECAL,ENGINE,PORTUG,BLK	
002.0	57895740	1.0	EA	DECAL,TRAM,PORTUG,BLK	
003.0	57895872	1.0	EA	DECAL,COMP,PORTUG,BLK	
004.0	57886897	1.0	EA	DECAL,DRILL,PORTUG,BLK	
005.0	57893794	1.0	EA	DECAL,GAUGES,PORTUG,BLK	
006.0	57892945	1.0	EA	DECAL,DIAG,CUM,PORT,BLK	
007.0	57895914	1.0	EA	DECAL,AC/HTR,PORTUG,BLK	

57909210 COUNTER,RPM-PWRHEAD 35FT





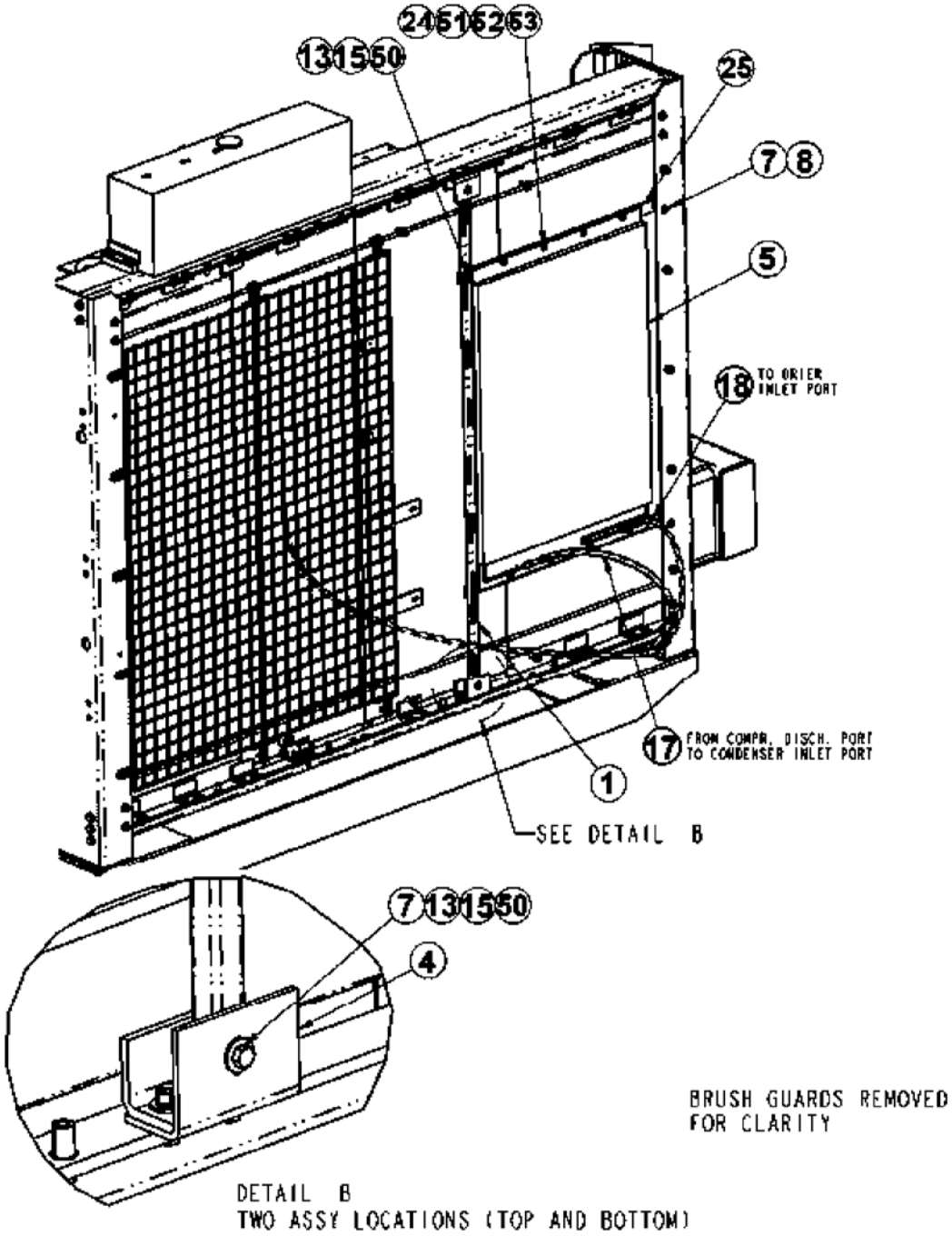
TB2657422289 REV 003

BOM 57909210

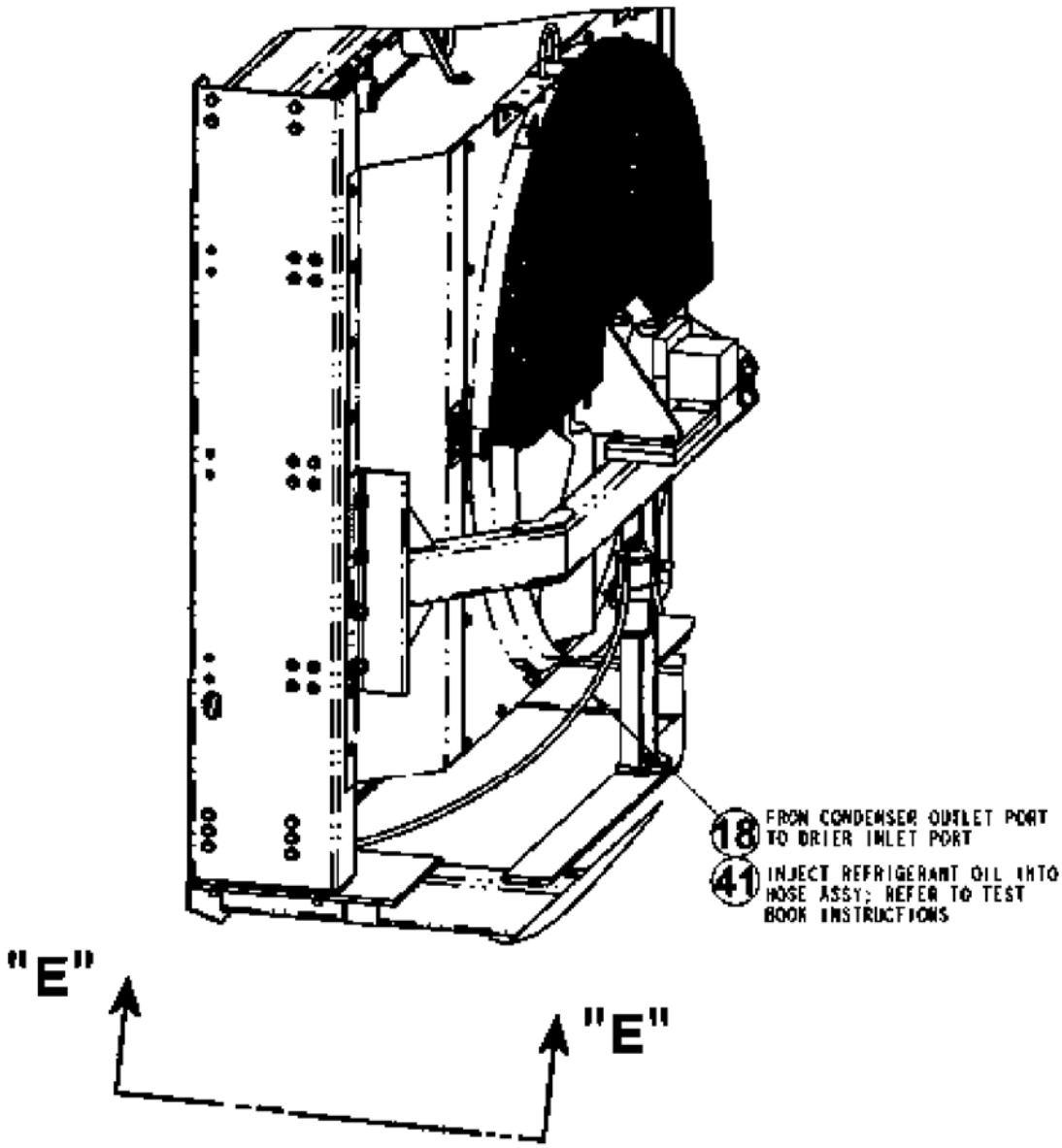
57909210 COUNTER,RPM-PWRHEAD 35FT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	59647669	1.0	EA	SENSOR, MAGNETIC	
002.0	57422271	1.0	EA	TACHOMETER-ROTATION	
003.0	57522021	80.0	FT	CABLE, 20AWG TWISTED PR	
005.0	52180031	2.0	EA	SPACER/CPLG	
006.0	95219747	2.0	EA	CONNECTOR,MALE,37 DEG	
007.0	57903965	1.0	EA	HOSE,ASSEMBLY	
007.0	57909228	1.0	EA	HOSE,ASSEMBLY	
009.1	95256863	2.0	EA	BUSHING,REDUCING	
010.1	52243862	1.0	EA	CONNECTOR	
011.0	95245072	1.0	EA	CONNECTOR	
012.0	95245049	375.0	IN	CONDUIT,FLEX-1/2SEALTITE	
013.1	95668042	4.0	EA	TIE,CABLE	
014.0	57415002	1.0	EA	CONNECTOR, ELECTRICAL	
015.1	95329249	4.0	EA	TERMINAL,6 FORK	
016.0	57498768	1.0	EA	BRACKET-ROTARY TACH MTG	
017.0	95934816	4.0	EA	CAPSCREW,HEX	
018.0	95934766	4.0	EA	WASHER,LOCK,HELICAL	
019.0	95931564	4.0	EA	NUT,HEX,FINISHED	
020.0	57531600	1.0	EA	NAMEPLATE,ROTATION SPEED	

57807711 A/C ASSY,DM45/L TIER 3

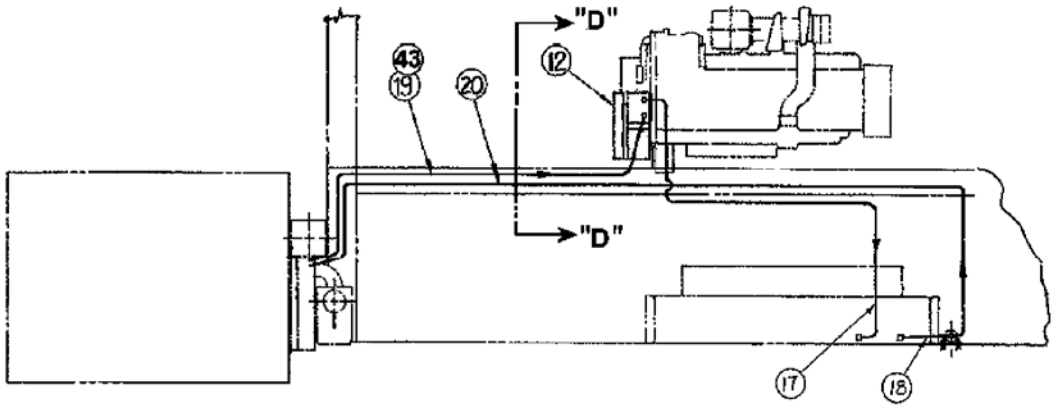


57807711 A/C ASSY,DM45/L TIER 3



D2657807711 REV 000

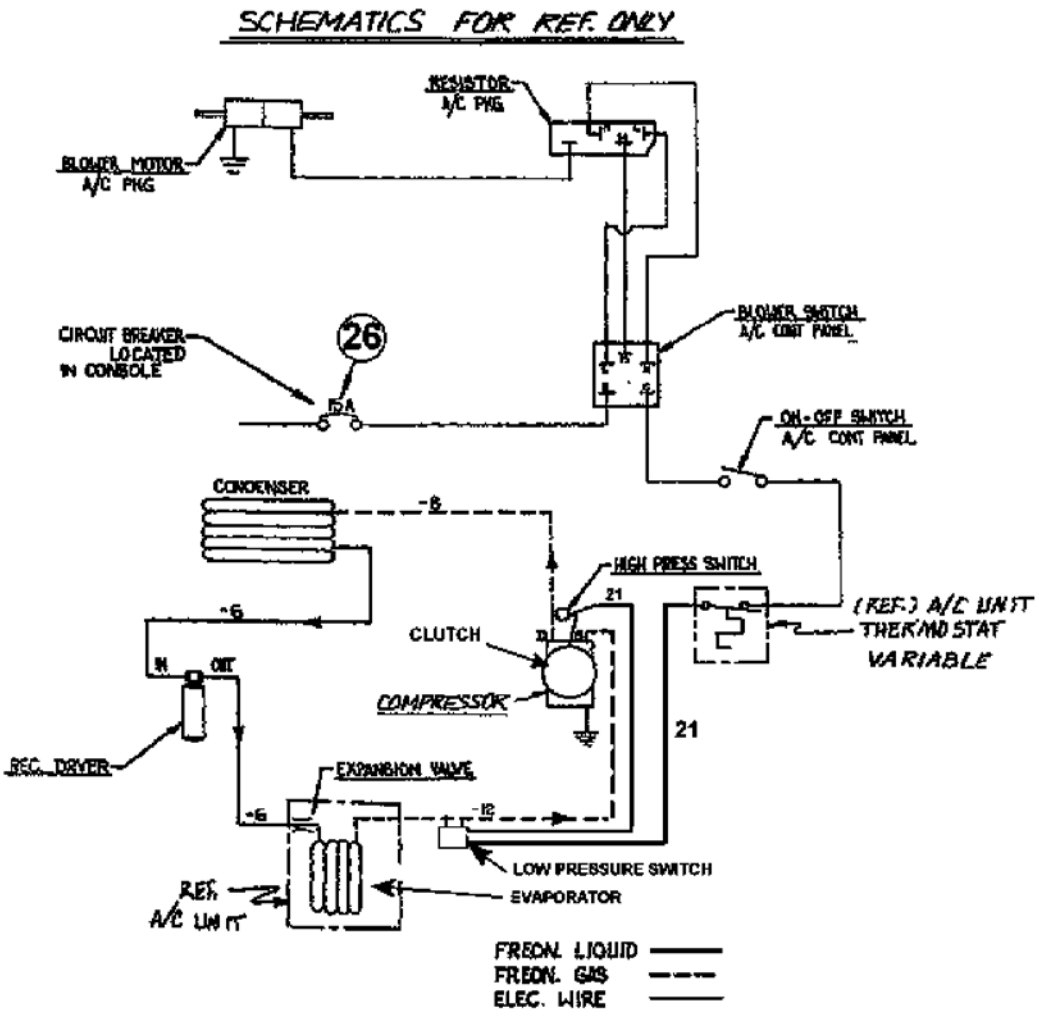
57807711 A/C ASSY,DM45/L TIER 3



D2657807711 REV 000

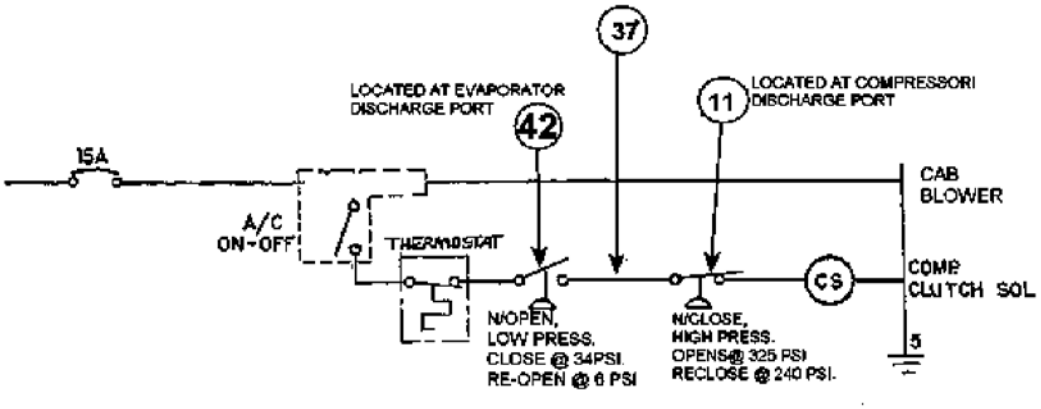
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57807711 A/C ASSY,DM45/L TIER 3



D2657807711 REV 000

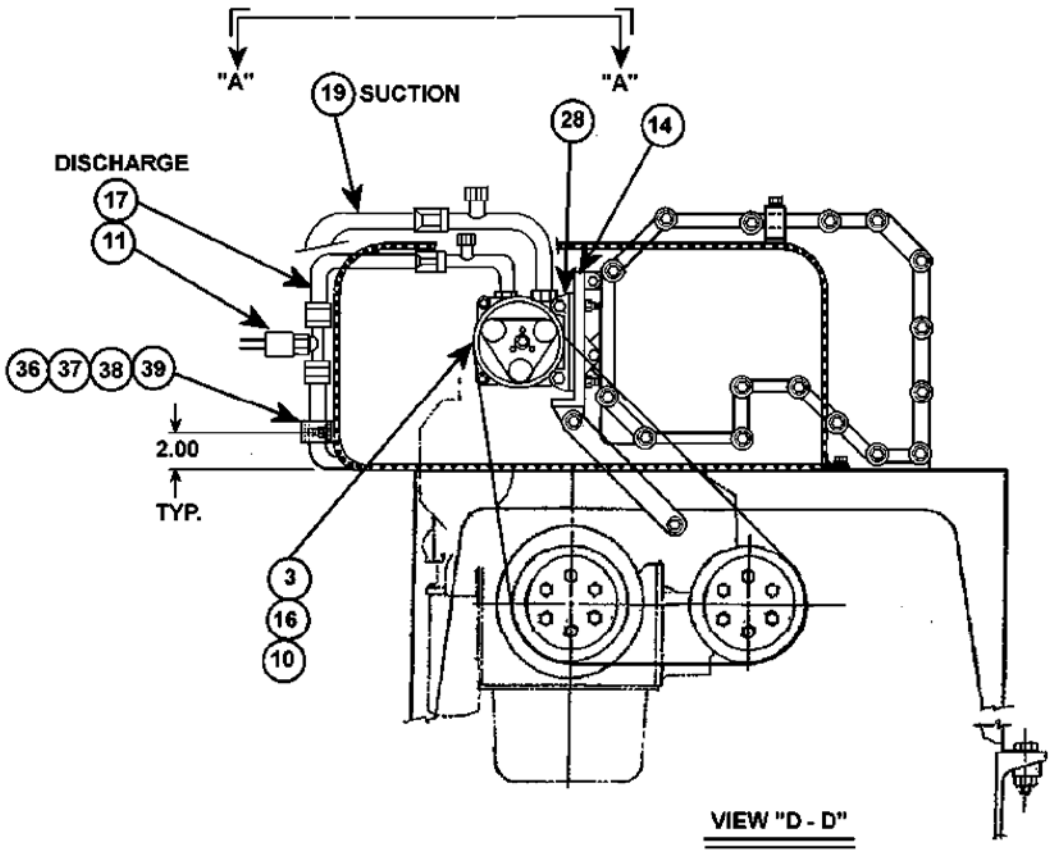
57807711 A/C ASSY,DM45/L TIER 3



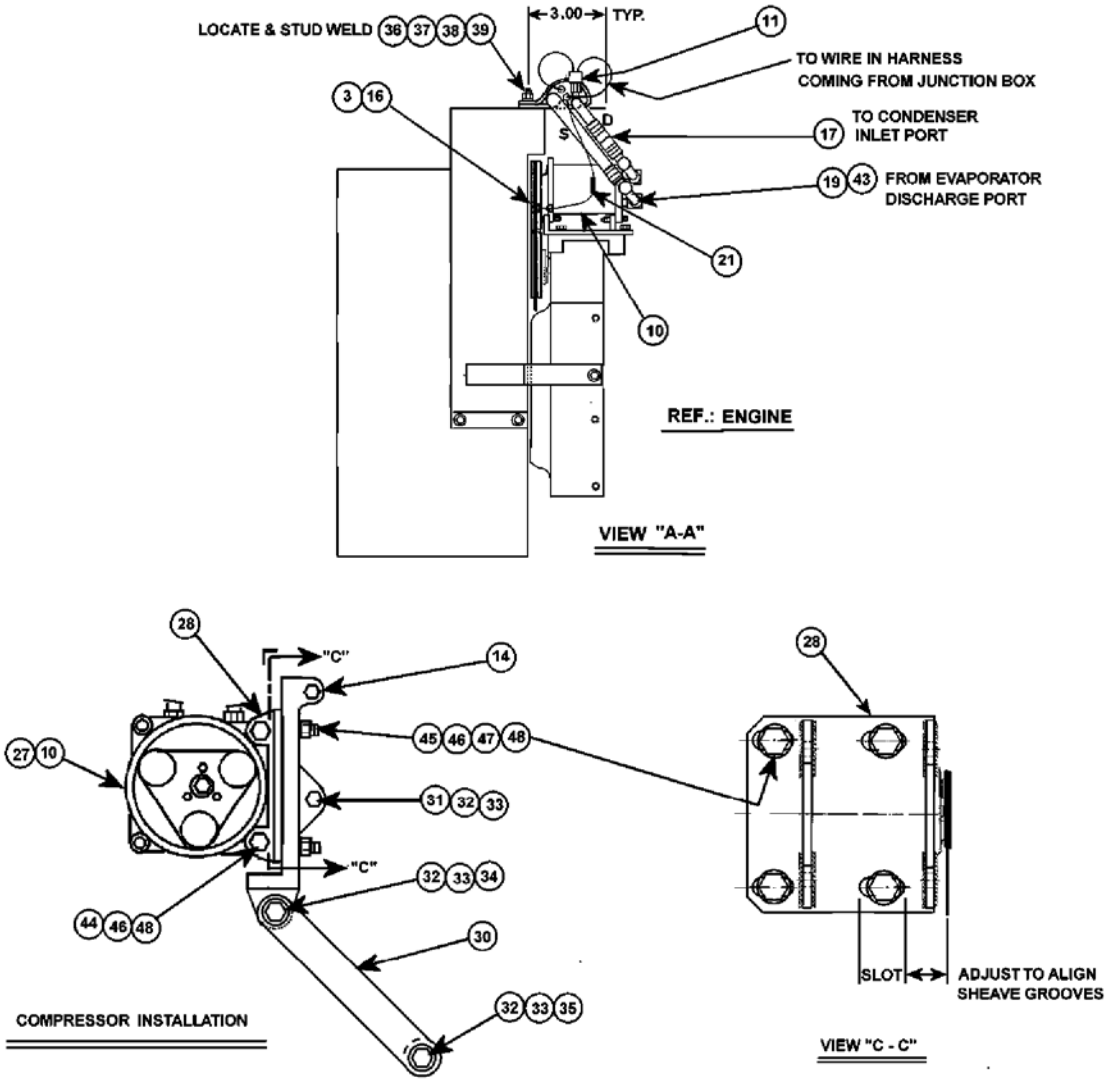
REF. ELEC. SCHEMATIC

BOM 57807711

57807711 A/C ASSY,DM45/L TIER 3

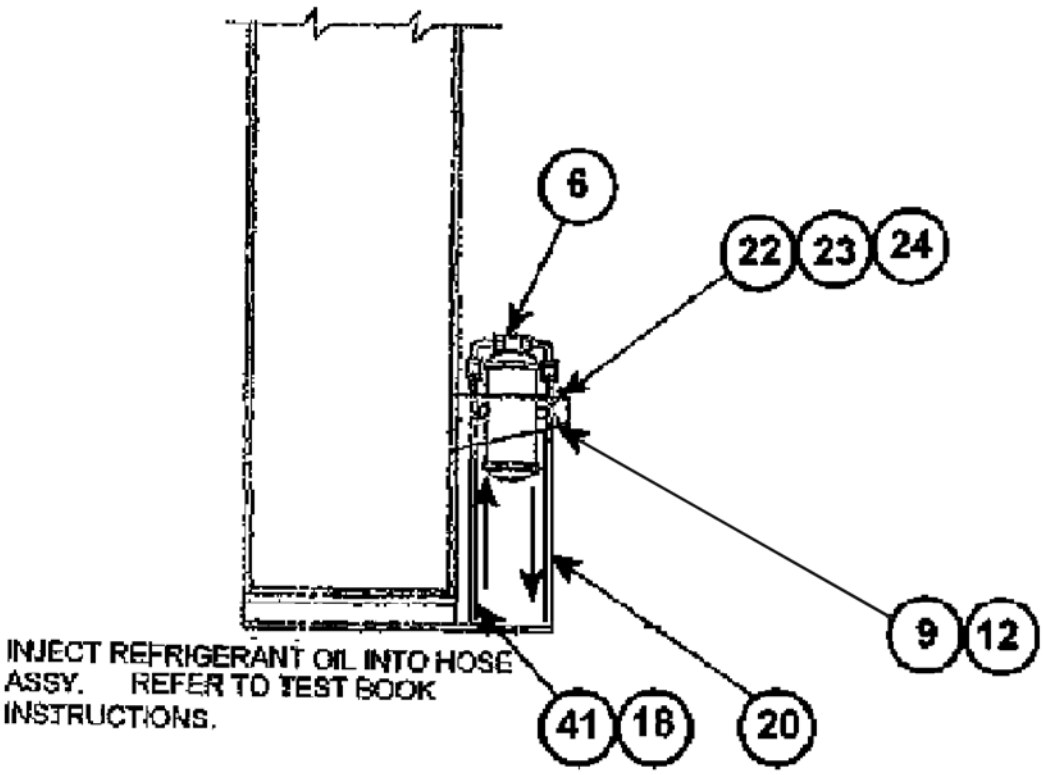


57807711 A/C ASSY,DM45/L TIER 3



D2657807711 REV 000

57807711 A/C ASSY,DM45/L TIER 3



VIEW "E - E"

BOM 57807711

57807711 A/C ASSY,DM45/L TIER 3

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57780850	1.0	EA	SUPPORT,FUEL COOLER	
003.0	57662082	1.0	EA	BELT,6 GROOVES	
004.0	57780868	2.0	EA	BRACKET,FUEL COOLER	
005.0	57364358	1.0	EA	COIL, CONDENSER	
006.0	57364366	1.0	EA	DRIER, RECEIVER	
007.0	95922225	6.0	EA	WASHER,FLAT	
008.0	95916821	2.0	EA	CAPSCREW,HEX	
009.0	57097941	1.0	EA	BRACKET	
010.0	57760084	1.0	EA	COMPRESSOR,ASSY-R134A	
011.0	57741837	1.0	EA	SWITCH,HP-R134A	
012.0	57095515	1.0	EA	CLAMP, DRIER AIR COND.	
013.0	95943668	4.0	EA	CAPSCREW,HEX	
014.0	57662066	1.0	EA	SUPPORT,REFRIG.COMPR.	
015.0	95922233	4.0	EA	WASHER,FLAT,WIDE	
017.0	57757502	1.0	EA	HOSE,ASSY,-08,R134A	
018.0	57666117	1.0	EA	HOSE,ASSM,06X108"LG,R134	
-	57762916	2.0	EA	- O'RING,#6,R134A	
019.0	57741811	1.0	EA	HOSE,ASSM,12 R134A	
020.0	57742256	1.0	EA	HOSE,ASSM,R134,310LG	
-	57762916	2.0	EA	- O'RING,#6,R134A	
021.0	56762248	3.0	EA	CONNECTOR,SPLICE	
022.0	95928982	2.0	EA	CAPSCREW	
023.0	95931564	2.0	EA	NUT,HEX,FINISHED	
024.0	95934766	10.0	EA	WASHER,LOCK,HELICAL	
025.0	57775595	2.0	EA	RAIL,FUEL COOLER FRAME	
026.0	57084055	1.0	EA	BREAKER,CIRCUIT-15 AMP	
027.0	57364473	7.0	LB	REFRIGERANT, R134A	
028.0	57757437	1.0	EA	MOUNT,COMPRESSOR-R134A	
030.0	57662074	1.0	EA	LINK,ADJUSTING,AC COMPR	
031.0	96714795	2.0	EA	CAPSCREW,HEX HD/35M2AA42	
032.0	96701982	4.0	EA	WASHER/10M5LC14AM4HR	
033.0	51942571	4.0	EA	LOCKWASHER	
034.0	96714738	1.0	EA	SCREW	
035.0	96712146	1.0	EA	CAPSCREW/34M2AA410M3HR	
036.0	95104147	3.0	EA	CAPSCREW,HEX	
037.0	95081667	1.0	EA	WASHER,FLAT,WIDE	
038.0	95080180	1.0	EA	NUT,HEX LOCK	
039.0	95301818	1.0	EA	CLAMP,HOSE	
041.0	57737934	1.0	EA	OIL,REFRIGERANT,R134A	
042.0	57741829	1.0	EA	SWITCH,LP-R134A	
043.0	58150103	360.0	IN	CORD,14/2	

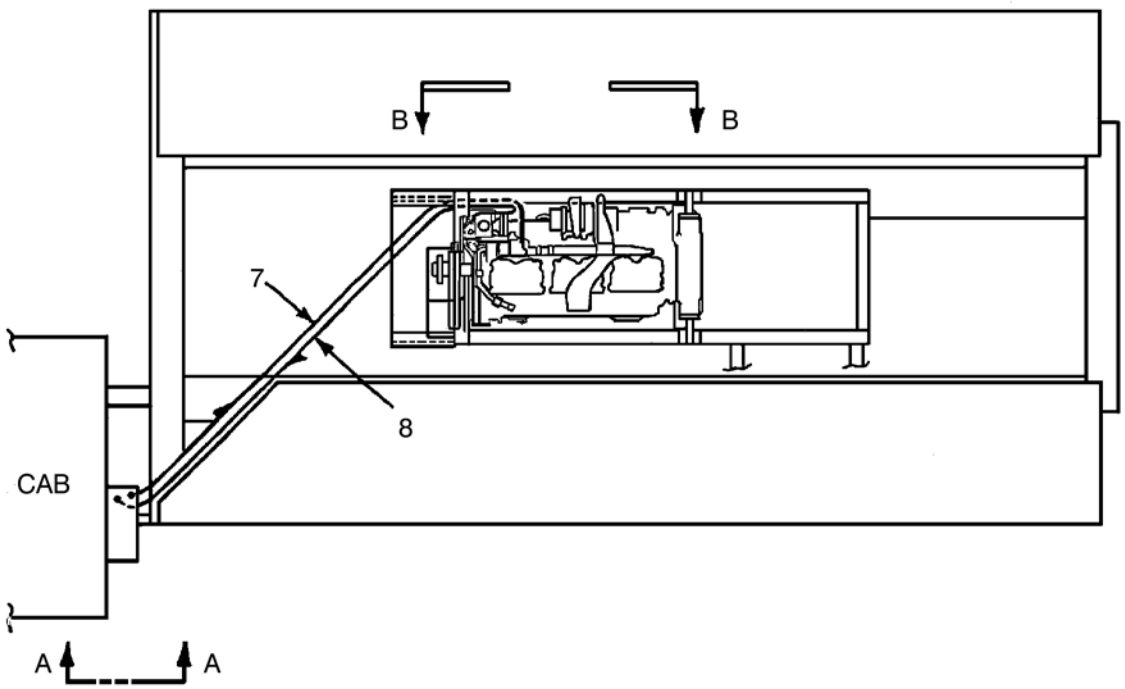
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

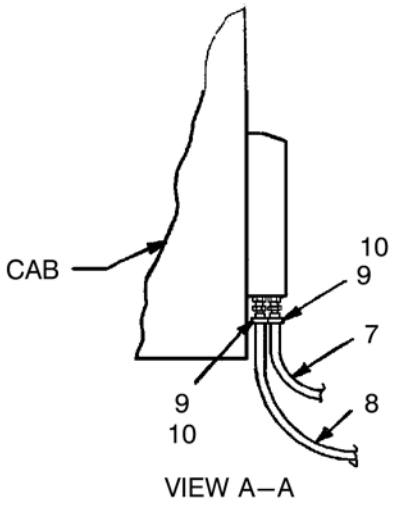
BOM 57807711

57807711 A/C ASSY,DM45/L TIER 3

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
044.0	95958989	4.0	EA	CAPSCREW,PLATED	
045.0	95934584	4.0	EA	CAPSCREW	
046.0	95937413	8.0	EA	WASHER,LOCK,HELICAL	
047.0	95922233	4.0	EA	WASHER,FLAT,WIDE	
048.0	95922894	8.0	EA	NUT,HEX	
050.0	95929782	4.0	EA	NUT,HEX,FINISHED	
051.0	95929071	16.0	EA	WASHER,FLAT 1/4	
052.0	95958351	8.0	EA	CAPSCREW	
053.0	95077681	8.0	EA	NUT,HEX,FINISHED	

57632218 HEATER ASSEMBLY,QSX



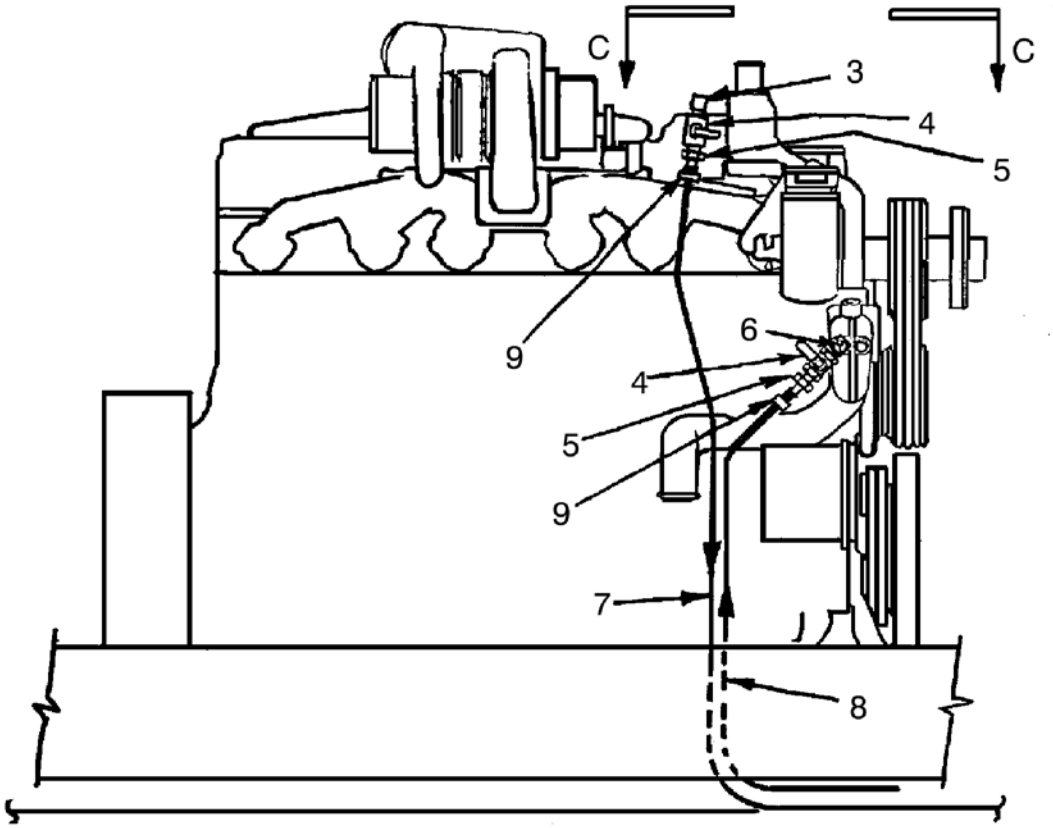


VIEW A–A

TB2657562233 REV 004

BOM 57632218

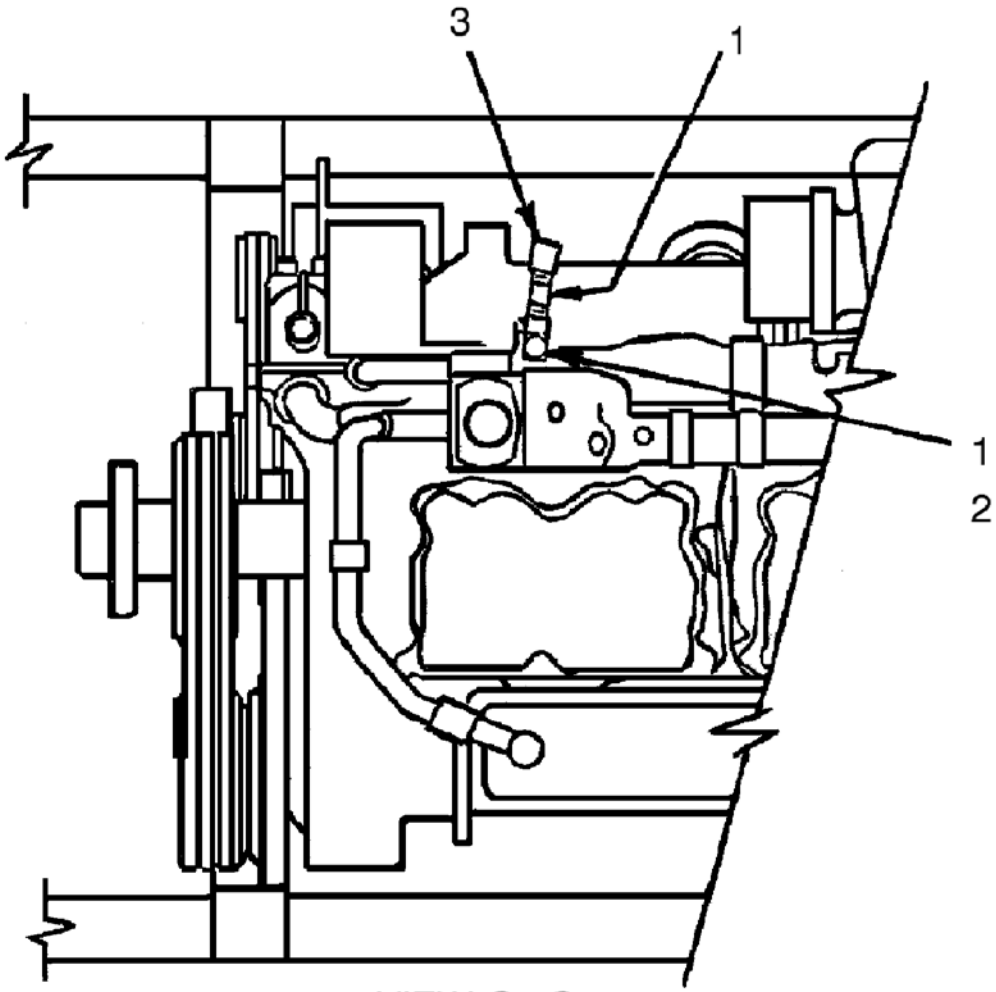
57632218 HEATER ASSEMBLY,QSX



VIEW B–B

TB2657562233 REV 004

57632218 HEATER ASSEMBLY,QSX



VIEW C–C

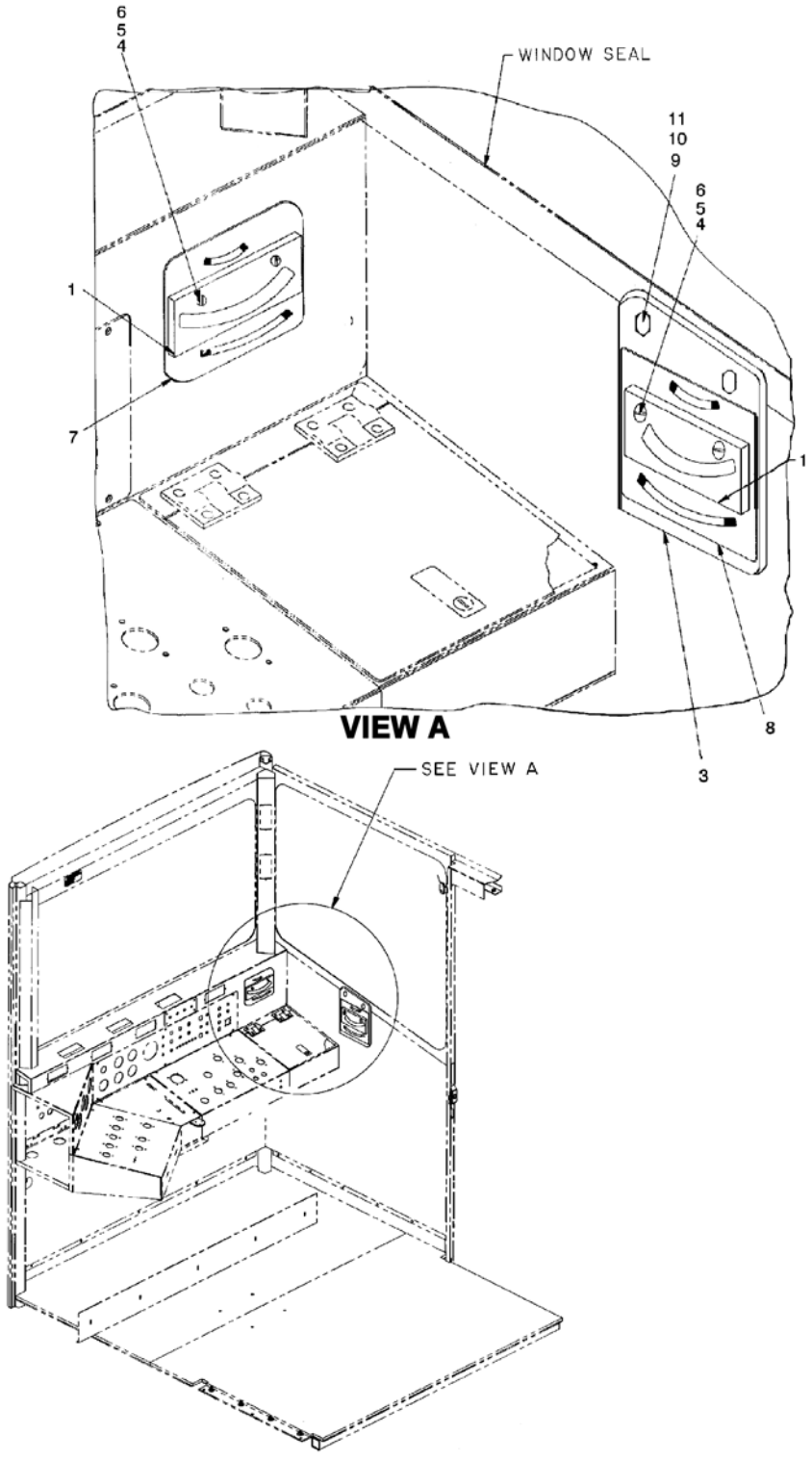
TB2657562233 REV 004

BOM 57632218

57632218 HEATER ASSEMBLY,QSX

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	95056388	2.0	EA	NIPPLE	
002.0	95264925	1.0	EA	FITTING,HYD	
003.0	95644241	2.0	EA	ELBOW, 90DEG-EXT/INT NPT	
004.0	50829605	2.0	EA	VALVE,BALL-1/2	
005.0	57082018	2.0	EA	NIPPLE, HOSE	
006.0	95323341	1.0	EA	ELBOWST,90DEG,EXT/EXTNPT	
007.0	57065260	260.0	IN	HOSE,HYD-A10 BULK	
008.0	57065260	200.0	IN	HOSE,HYD-A10 BULK	
009.0	95279832	4.0	EA	CLAMP,HOSE	
010.0	57661720	2.0	EA	FITTING,METRIC	

57738312 INCLINOMETER,ASSEMBLY



TB2657738312 REV 002

BOM 57738312

57738312 INCLINOMETER,ASSEMBLY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57531782	2.0	EA	INCLINOMETER, 0-45 DEG	
003.0	57738320	1.0	EA	BRACKET,INCLINOMETER	
004.0	95051538	4.0	EA	SCREW MACH	
005.0	95922555	4.0	EA	WASHER,LOCK	
006.0	95076725	4.0	EA	NUT,MACHINE,HEX	
007.0	57537524	1.0	EA	DECAL, INCLINOMETER-REAR	
008.0	57537532	1.0	EA	DECAL, INCLINOMETER-SIDE	
009.0	95920674	2.0	EA	CAPSCREW,HEX	
010.0	95937413	2.0	EA	WASHER,LOCK,HELICAL	
011.0	95922894	2.0	EA	NUT,HEX	

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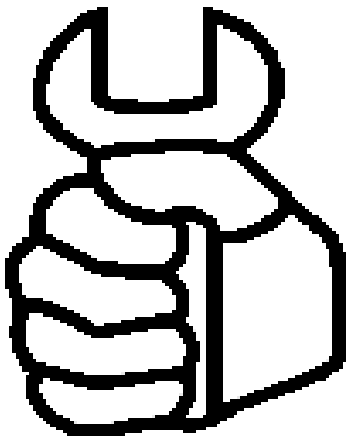
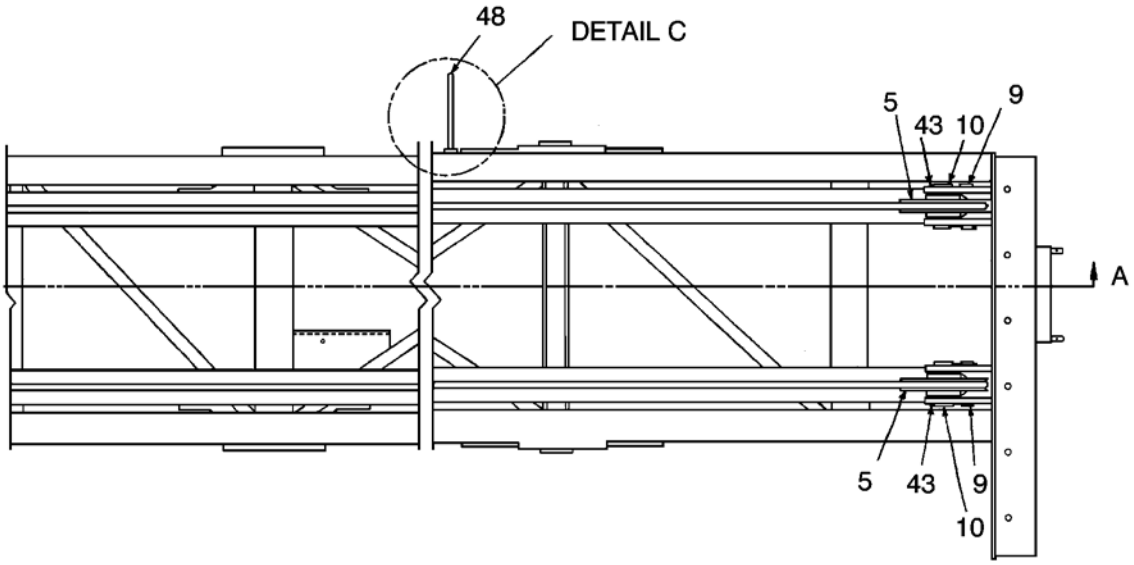


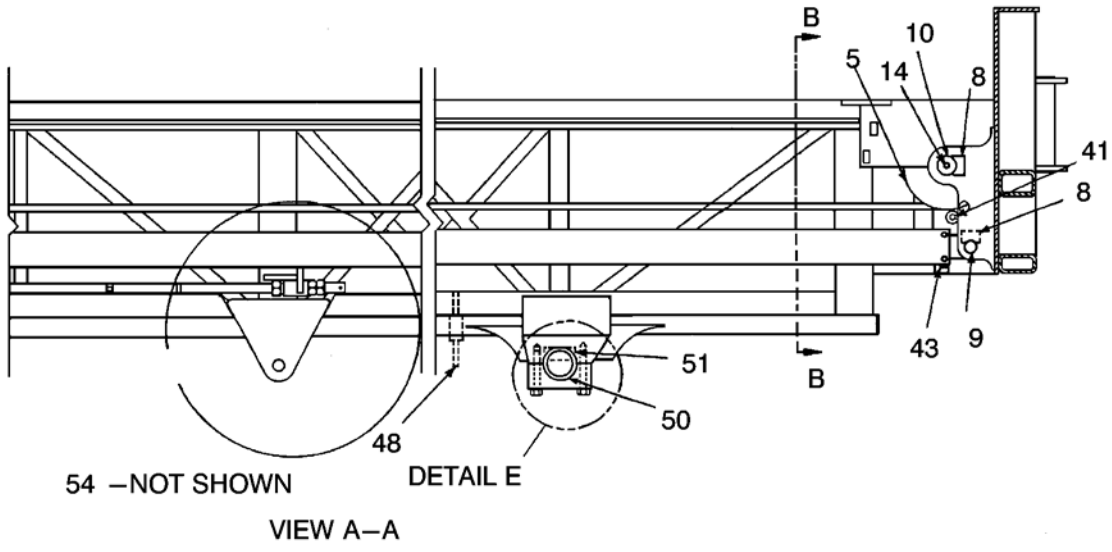
Section E - Derrick/Tower

57518441 TOWER,COMMONS,ASSM

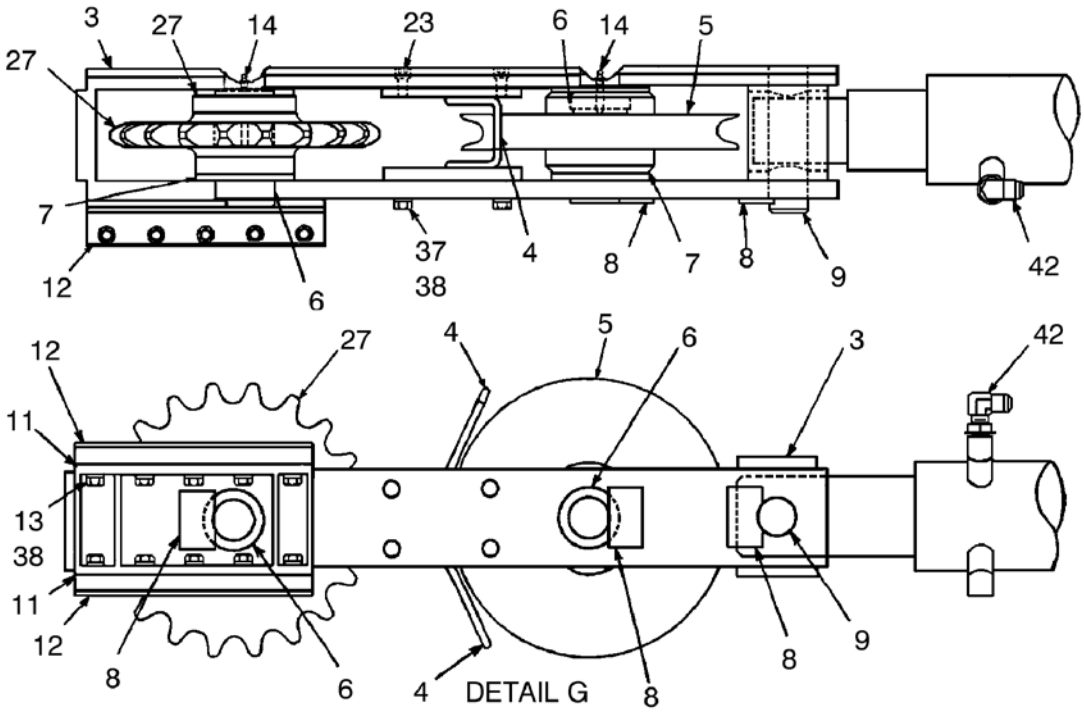


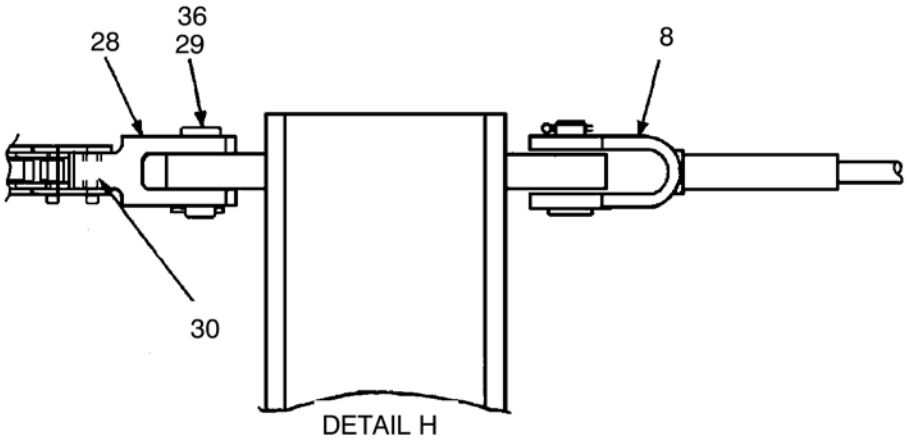
BOM 57518441

57518441 TOWER,COMMONS,ASSM



57518441 TOWER,COMMONS,ASSM

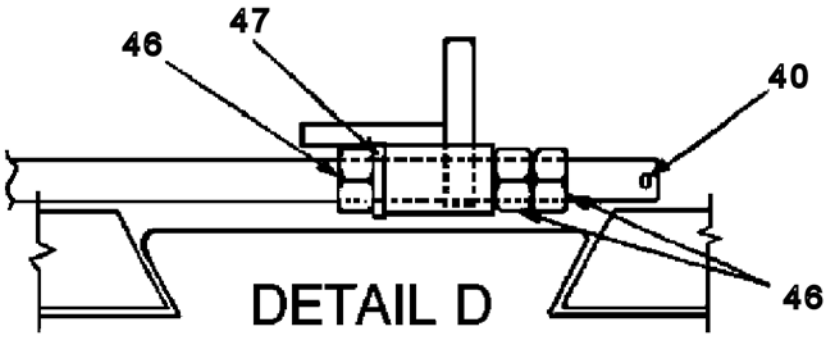


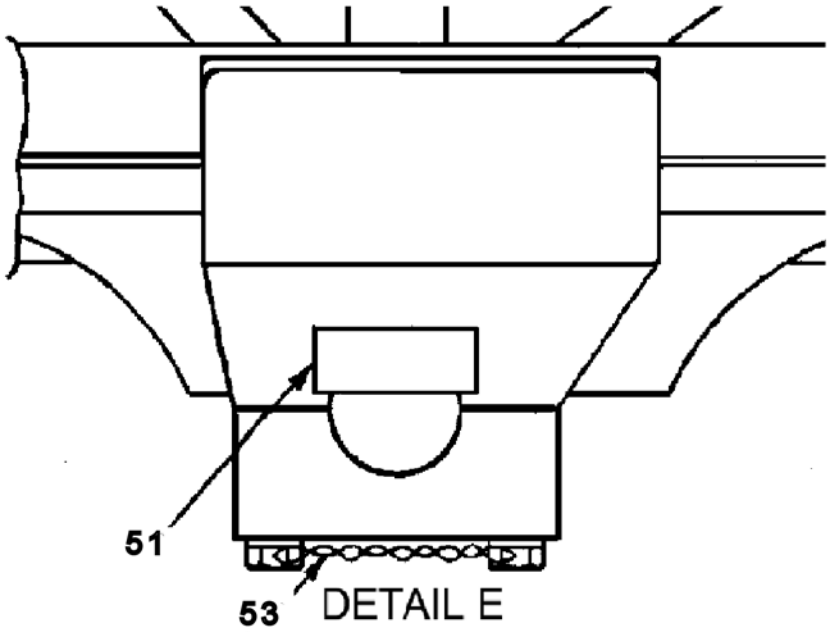


TB2657518441 REV 002

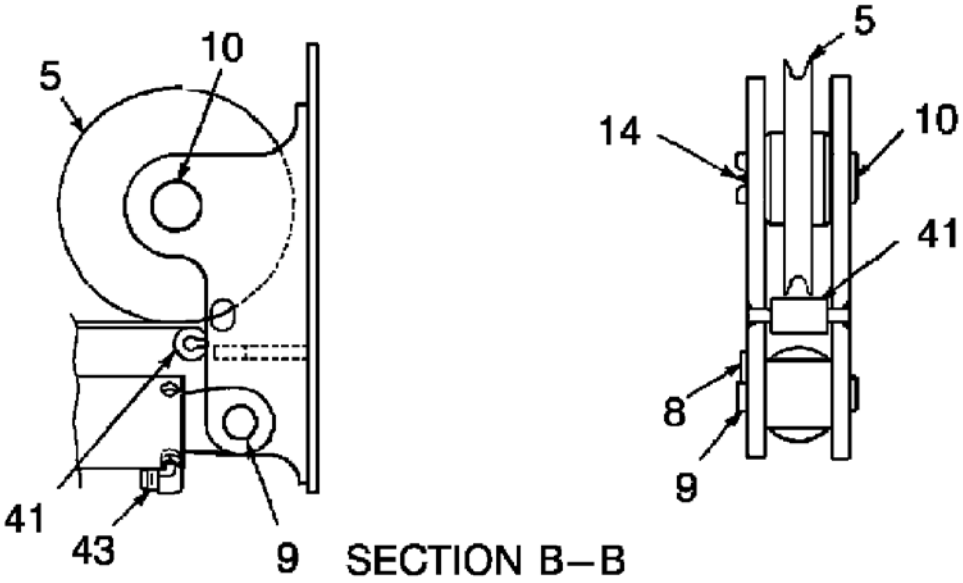
BOM 57518441

57518441 TOWER,COMMONS,ASSM

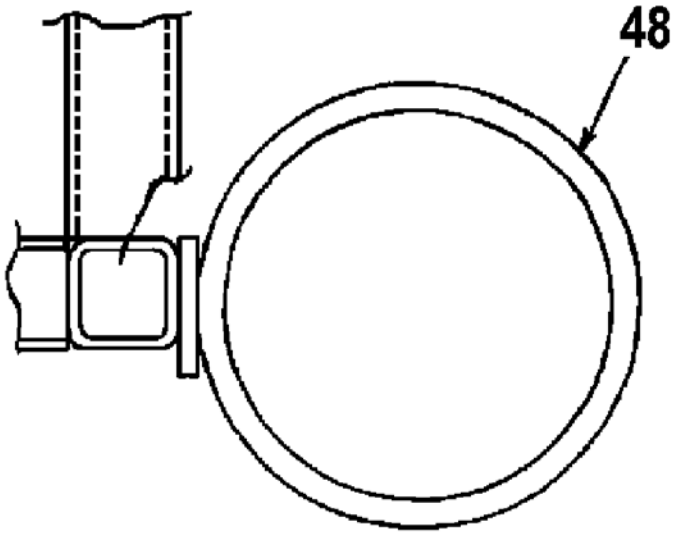




57518441 TOWER,COMMONS,ASSM



SECTION B–B



DETAIL C

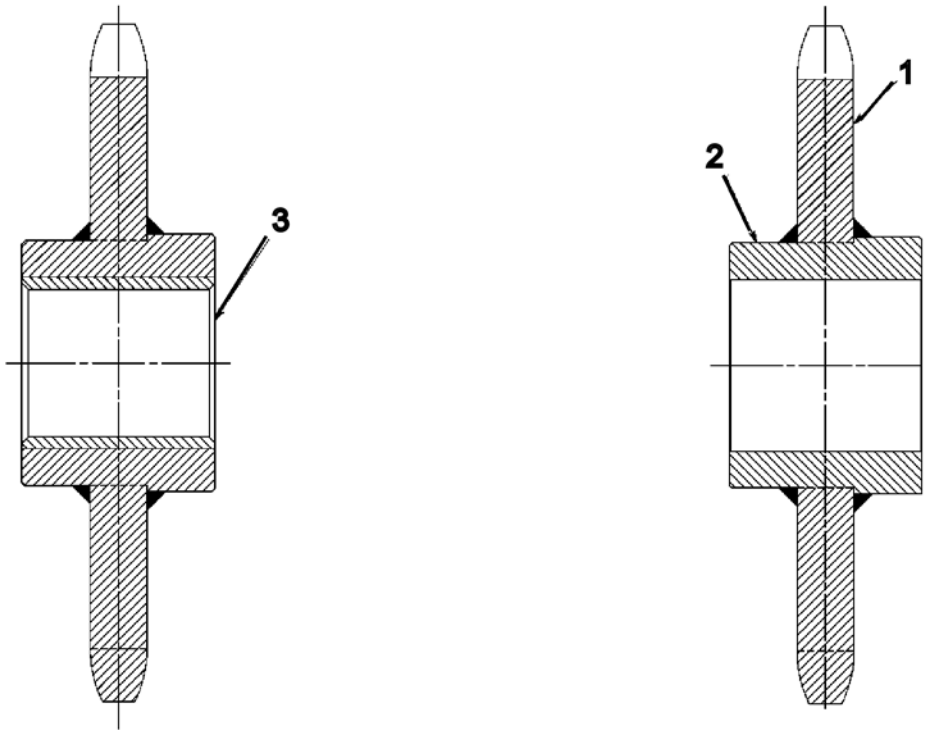
TB2657518441 REV 002

BOM 57518441

57518441 TOWER,COMMONS,ASSM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
003.0	57414641	2.0	EA	GUIDE, SHEAVE/SPRKT	
004.0	57410599	4.0	EA	RETAINER,CABLE	
005.0	52228848	4.0	EA	SHEAVE W/BUSH-1 ROPE	
-	57432700	1.0	EA	- SHEAVE,MACHINED-1 ROPE	
-	50412626	1.0	EA	- BUSHING	
006.0	50338987	4.0	EA	PIN,SPROCKET	
007.0	50334457	8.0	EA	WASHER, THRU	
008.0	50339019	12.0	EA	PLATE,LOCKING	
009.0	50339001	4.0	EA	PIN,CYLINDER	
010.0	52227337	4.0	EA	PIN,SPROCKET	
011.0	50339027	4.0	EA	SHIM, GUIDE	
012.0	52147543	4.0	EA	BLOCK,GUIDE	
013.0	95157731	20.0	EA	CAPSCREW,HEX HEAD	
014.0	95201547	8.0	EA	FITTING,LUBE	
017.0	95929774	4.0	EA	NUT,HEX	
022.0	57397325	2.0	EA	PLATE, MTG -IR LOGO	
023.0	95233532	8.0	EA	CAPSCREW	
027.0	57407173	4.0	EA	SPROCKET W/BUSH-20T	**See Page 122**
028.0	57407017	2.0	EA	ADAPTER, CHAIN	
-	57562548	1.0	EA	- CASTING-ADAPTER,CHAIN	
029.0	57622391	2.0	EA	BOLT,HEX HEAD W/HOLE	
030.0	50702927	2.0	EA	BUSHING, CHAIN ANCHOR	
031.0	50339043	2.0	EA	BOLT,CHAIN	
032.0	95104394	2.0	EA	CAPSCREW,HEX	
033.0	95934741	2.0	EA	WASHER,LOCK HELICAL	
034.0	95094314	2.0	EA	WASHER,FLAT,WIDE	
036.0	95210852	2.0	EA	PIN, COTTER	
037.0	95934451	8.0	EA	CAPSCREW,HEXHEAD,PLATED	
038.0	95934733	28.0	EA	WASHER,LOCK	
040.0	95246062	2.0	EA	PIN,ROLL	
041.0	57446270	2.0	EA	BRACKET, CABLE GUIDE	
-	56998164	2.0	EA	- BAR,SQUARE	
042.0	57167934	2.0	EA	FITTING,L90-120FSX12SAE	
043.0	57296394	2.0	EA	FITTING,L90-160FSX12SAE	
046.0	95929774	6.0	EA	NUT,HEX	
047.0	95238119	2.0	EA	WASHER,LOCK	
050.0	56247232	12.0	EA	SPACER,SHAFT-DMC TOWER	
052.0	95413449	1.0	EA	U-BOLT	
053.0	50344605	3.0	FT	WIRE, LOCK	
054.0	95085825	2.0	EA	NUT,HEX CASTLE	

57407173 SPROCKET W/BUSH-20T

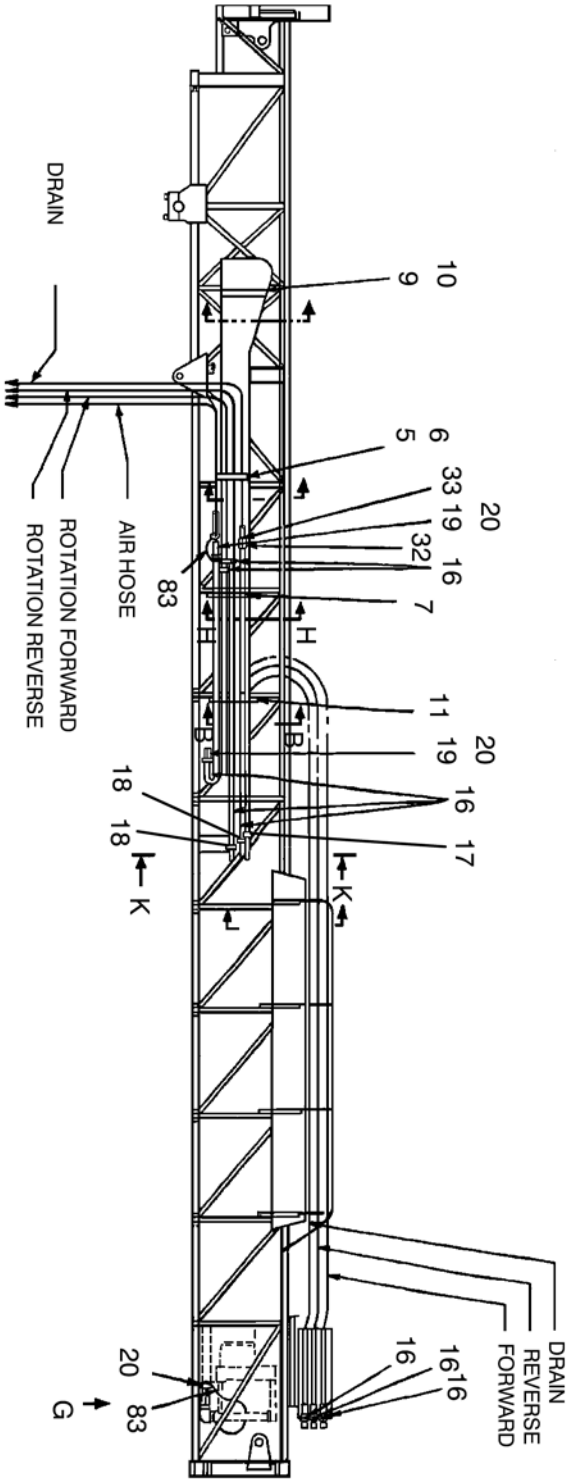


BOM 57407173

57407173 SPROCKET W/BUSH-20T

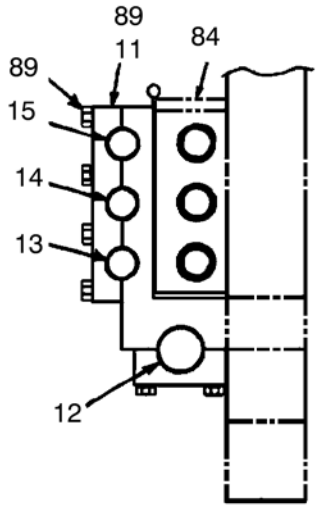
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57407009	1.0	EA	SPROCKET, 2 P. 20 TEETH	
002.0	57035230	1.0	EA	HUB BLANK	
003.0	50412626	1.0	EA	BUSHING	

57518482 PIPING,TOWER COMMONS

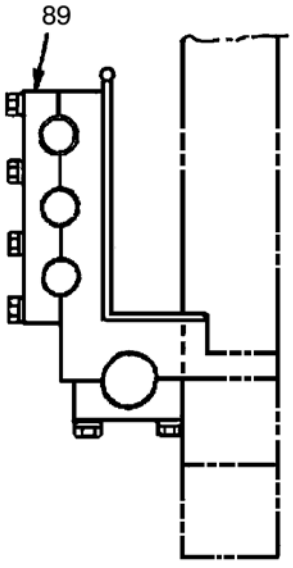


D2657518482 REV 005

57518482 PIPING,TOWER COMMONS

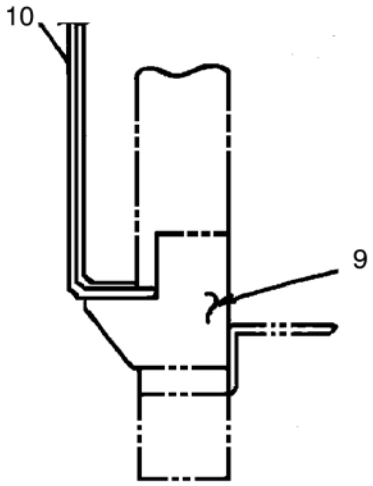


SECTION B–B

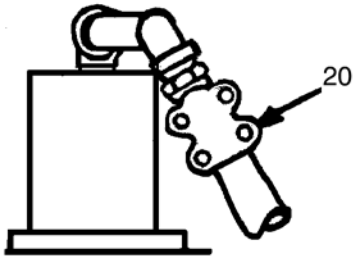


SECTION H–H

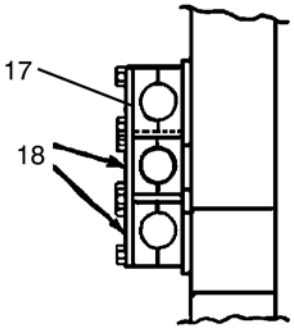
57518482 PIPING,TOWER COMMONS



SECTION D–D

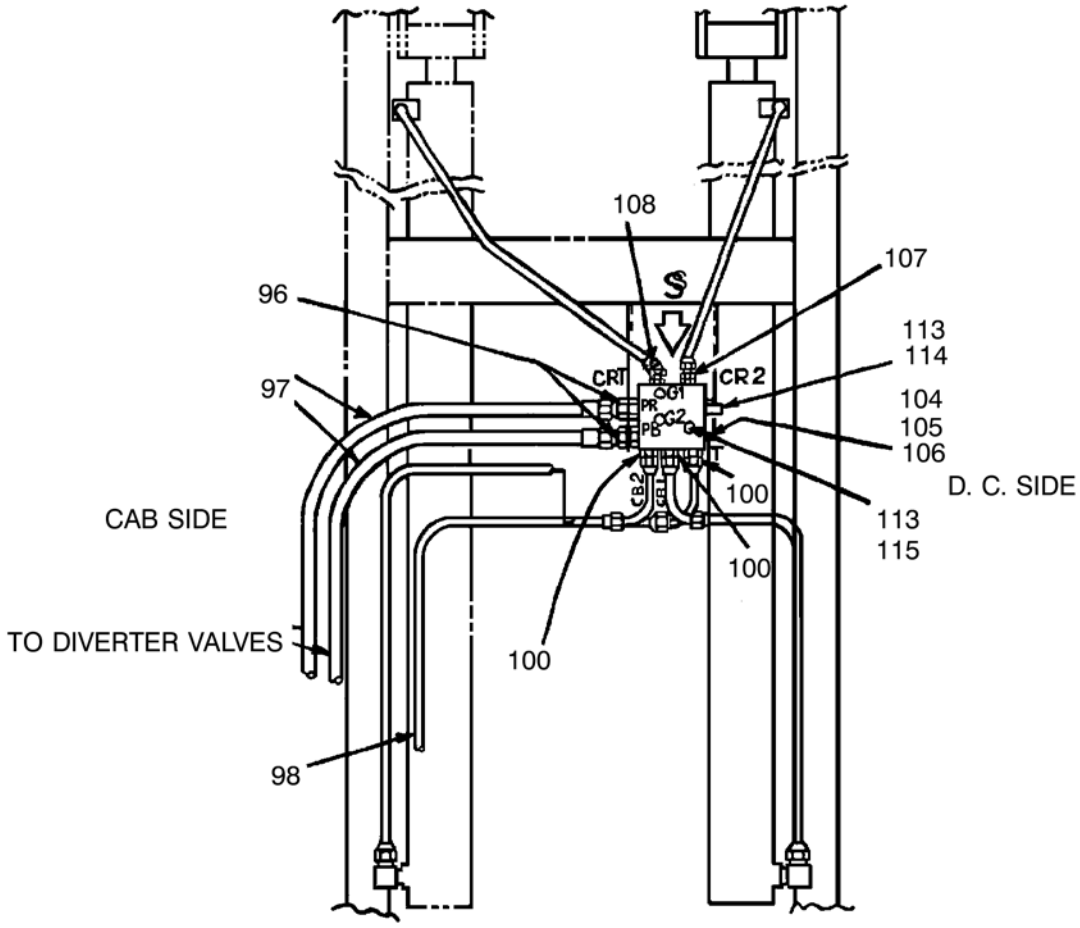


VIEW –G

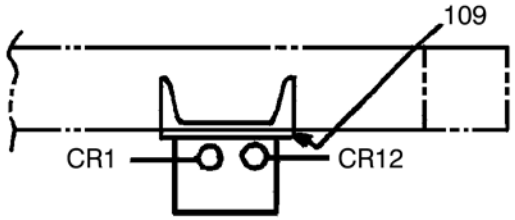


SECTION K–K

57518482 PIPING,TOWER COMMONS

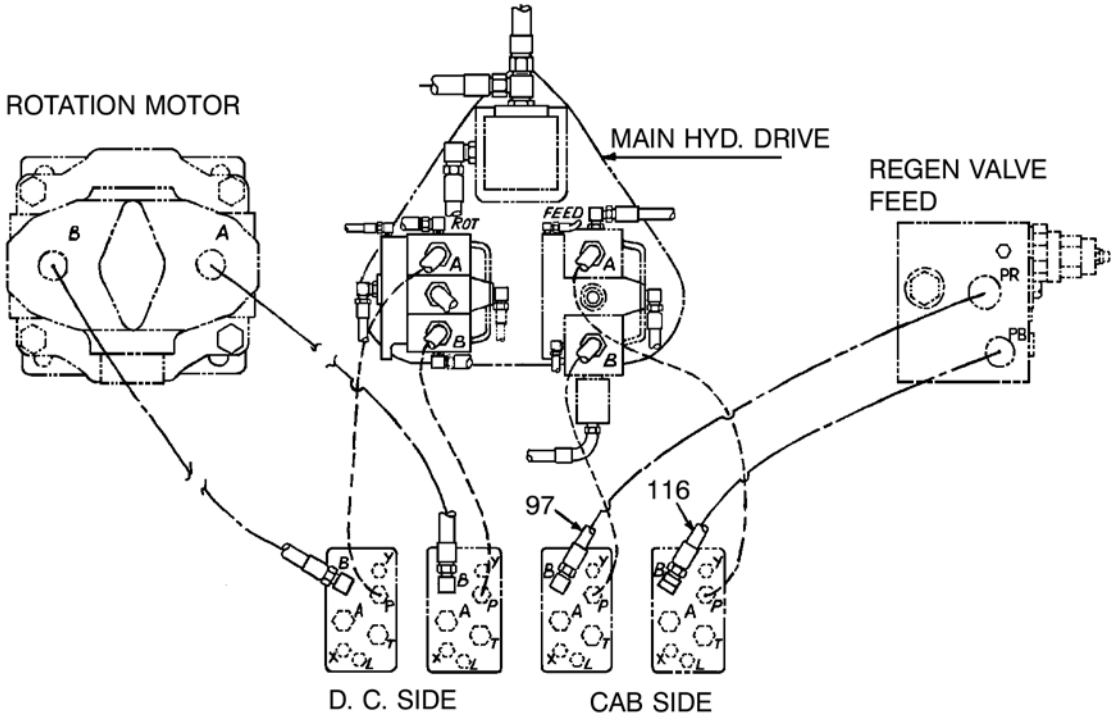


SECTION –E (ROTATED 90 DEG. CCW.

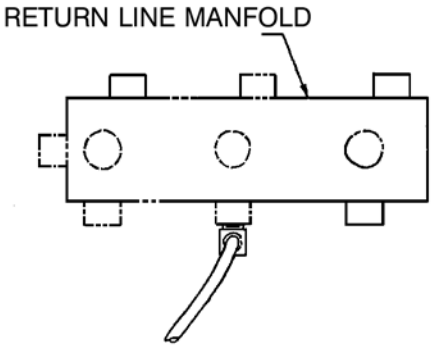


VIEW –S

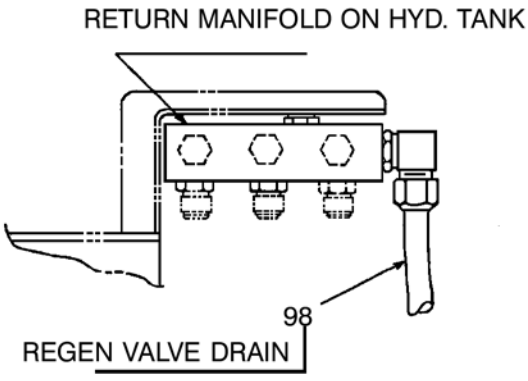
57518482 PIPING,TOWER COMMONS



VIEW SHOWN FOR RIGS WITH ELECT./HYD. CABS



ROTATION MOTOR CASE DRAIN

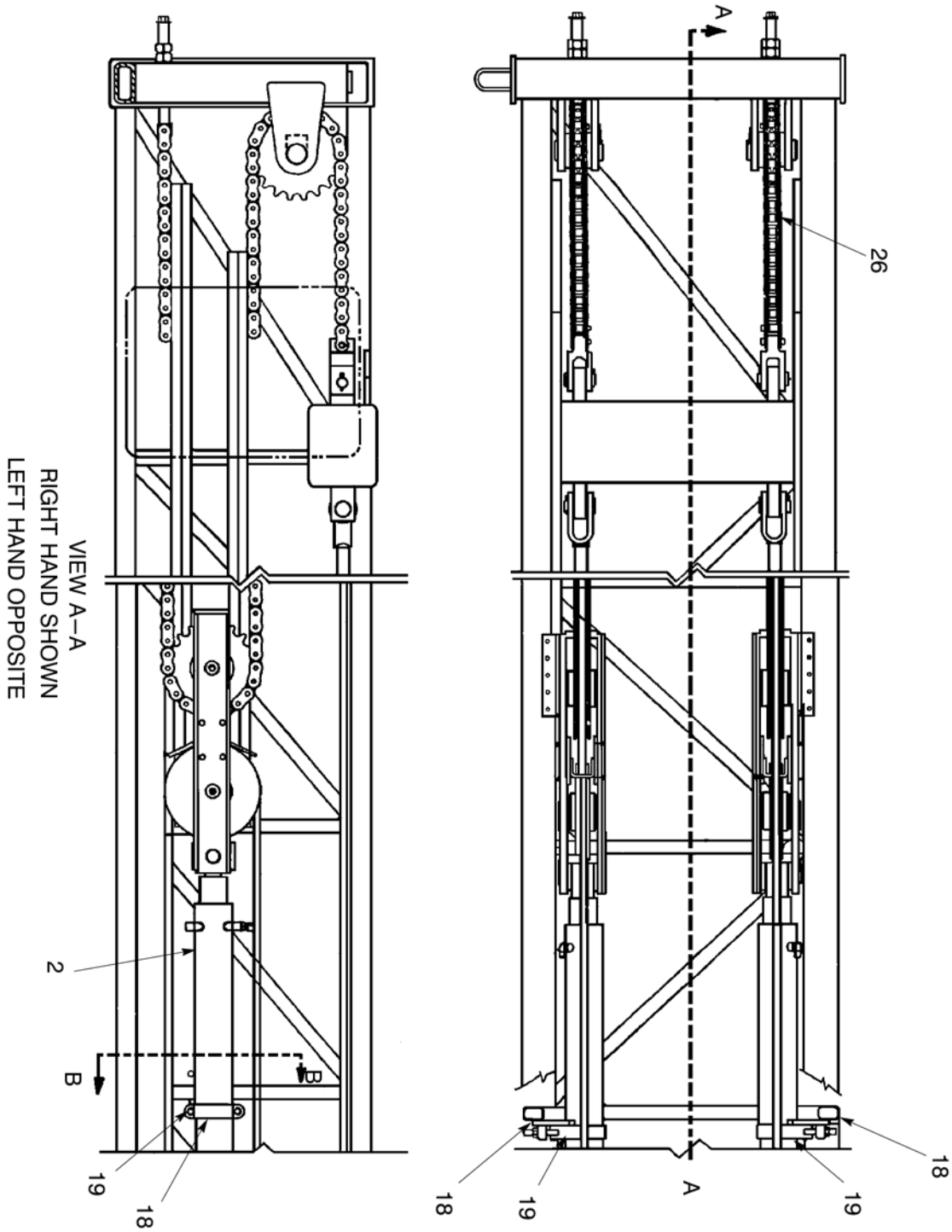


BOM 57518482

57518482 PIPING,TOWER COMMONS

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
005.0	57390171	1.0	EA	BRACKET - HOSE TRAY	
006.0	57083172	1.0	EA	GUSSET	
007.0	57755654	1.0	EA	CLAMP,STANDPIPE	
-	95937413	6.0	EA	- WASHER,LOCK,HELICAL	
-	95971545	6.0	EA	- SCREW, CAP DRILLED HEAD	
009.0	57315657	1.0	EA	BRACKET	
010.0	57390262	1.0	EA	BRACKET, HOSE TRAY	
011.0	57755654	1.0	EA	CLAMP,STANDPIPE	
-	95937413	6.0	EA	- WASHER,LOCK,HELICAL	
-	95971545	6.0	EA	- SCREW, CAP DRILLED HEAD	
012.0	57082554	1.0	EA	STANDPIPE	
013.0	57755639	1.0	EA	TUBE,ROTATION,	
-	57756728	1.0	EA	- SPECIFICATION,TUBE CLEAN	
014.0	57755647	1.0	EA	TUBE,ROTATION	
-	57756728	1.0	EA	- SPECIFICATION,TUBE CLEAN	
015.0	57085599	1.0	EA	STANDPIPE	
016.0	56783020	8.0	EA	KIT, SPLIT FLANGE	
017.0	57092728	1.0	EA	CLAMP ASSY, 1-1/4 PIPE	
018.0	52154325	2.0	EA	CLAMP,1-1/2 TUBE	
019.0	50023910	2.0	EA	STEM	
020.0	50743731	3.0	EA	CLAMP,HOSE	
022.0	57525545	1.0	EA	HOSE ASSY	
032.0	50347889	1.0	EA	VALVE,CHECK	
033.0	95219747	1.0	EA	CONNECTOR,MALE,37 DEG	
083.0	57358145	2.0	EA	CABLE, HOSE RESTRAINT	
084.0	57093197	1.0	EA	BAR, ROUND	
096.0	57167454	2.0	EA	FITTING,STR,20OFS X20SAE	
097.0	57495384	1.0	EA	HOSE ASSY	
098.0	57344764	1.0	EA	HOSE ASSY	
100.0	57319683	3.0	EA	FITTING,STR,16OFS X16SAE	
104.0	95836466	2.0	EA	SCREW, CAP	
105.0	95077772	2.0	EA	NUT,HEX	
106.0	95081865	2.0	EA	WASHER,LOCK	
107.0	57319675	1.0	EA	FITTING,STR,12OFS X16SAE	
108.0	57308850	1.0	EA	FITTING,L45,12OFS X16SAE	
109.0	57329989	1.0	EA	PLATE SPACER, VALVE	
113.0	57328676	2.0	EA	FITTING,TEST	
114.0	95650156	1.0	EA	ADAPTER	
115.0	52209913	1.0	EA	ADAPTER,SAE	
116.0	57491896	1.0	EA	HOSE ASSY	

57518474 TOWER ASSY, UNIQUE 35FT

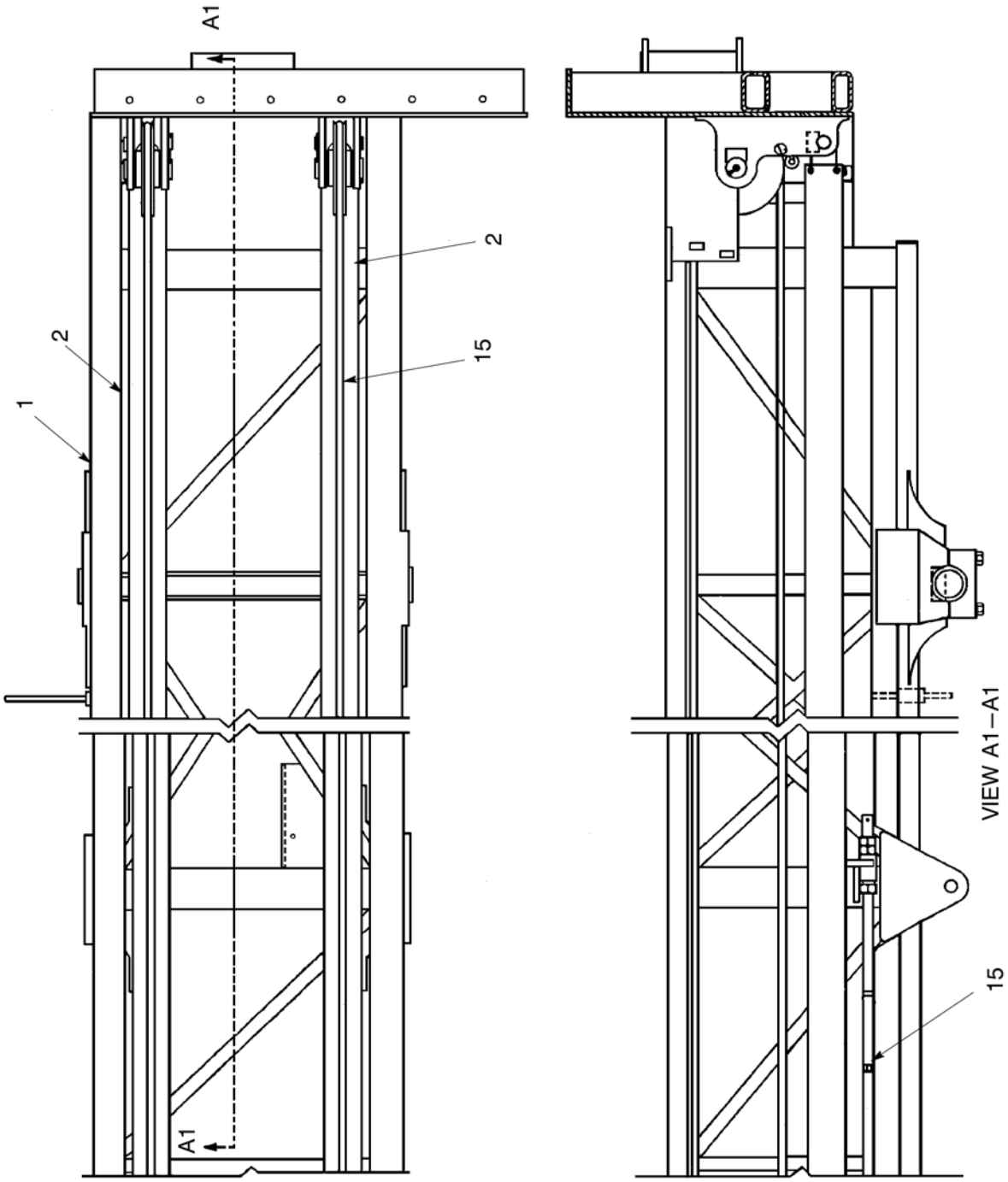


TB2657518458 REV 005

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

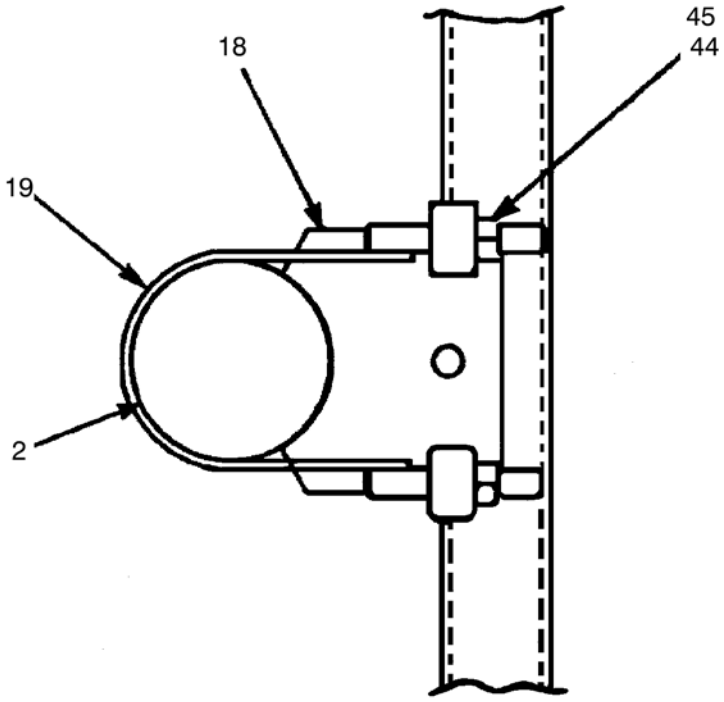
BOM 57518474

57518474 TOWER ASSY, UNIQUE 35FT



TB2657518458 REV 005

57518474 TOWER ASSY, UNIQUE 35FT



SECTION B–B

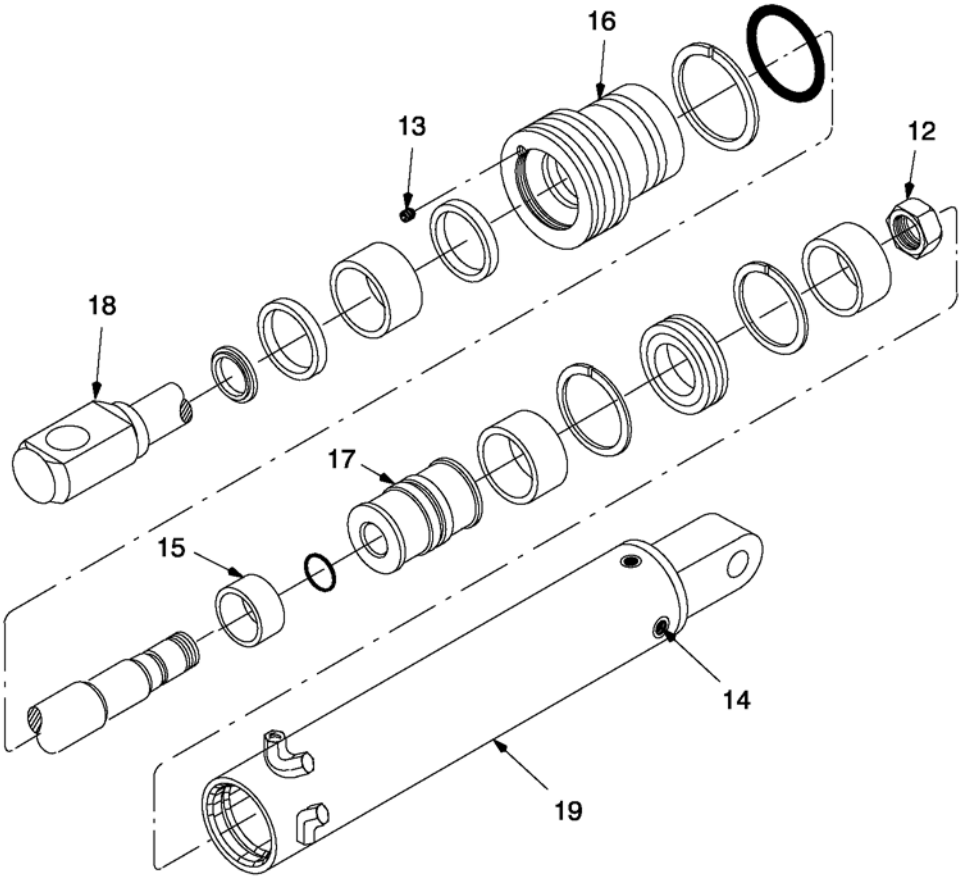
BOM 57518474

57518474 TOWER ASSY, UNIQUE 35FT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57488827	2.0	EA	CYLINDER, HYDRAULIC	**See Page 134**
015.0	57422917	2.0	EA	CABLE ASSY-FOR 35'TOWER	
-	57622979	1.0	EA	- PIN W/COTTER PIN-CABLE	
018.0	57141954	2.0	EA	FEED CYL SUPPORT	
-	57246555	1.0	EA	- PLATE, CYLINDER	
019.0	57315806	2.0	EA	CLAMP, 5.5 OD FEED CYL	
026.0	52224722	2.0	EA	CHAIN,LOWER	
044.0	95972246	4.0	EA	WASHER,FLAT,PLATED	
045.0	95077319	4.0	EA	NUT,HEX,STOP	

57488827 CYLINDER, HYDRAULIC

1 –SEAL KIT



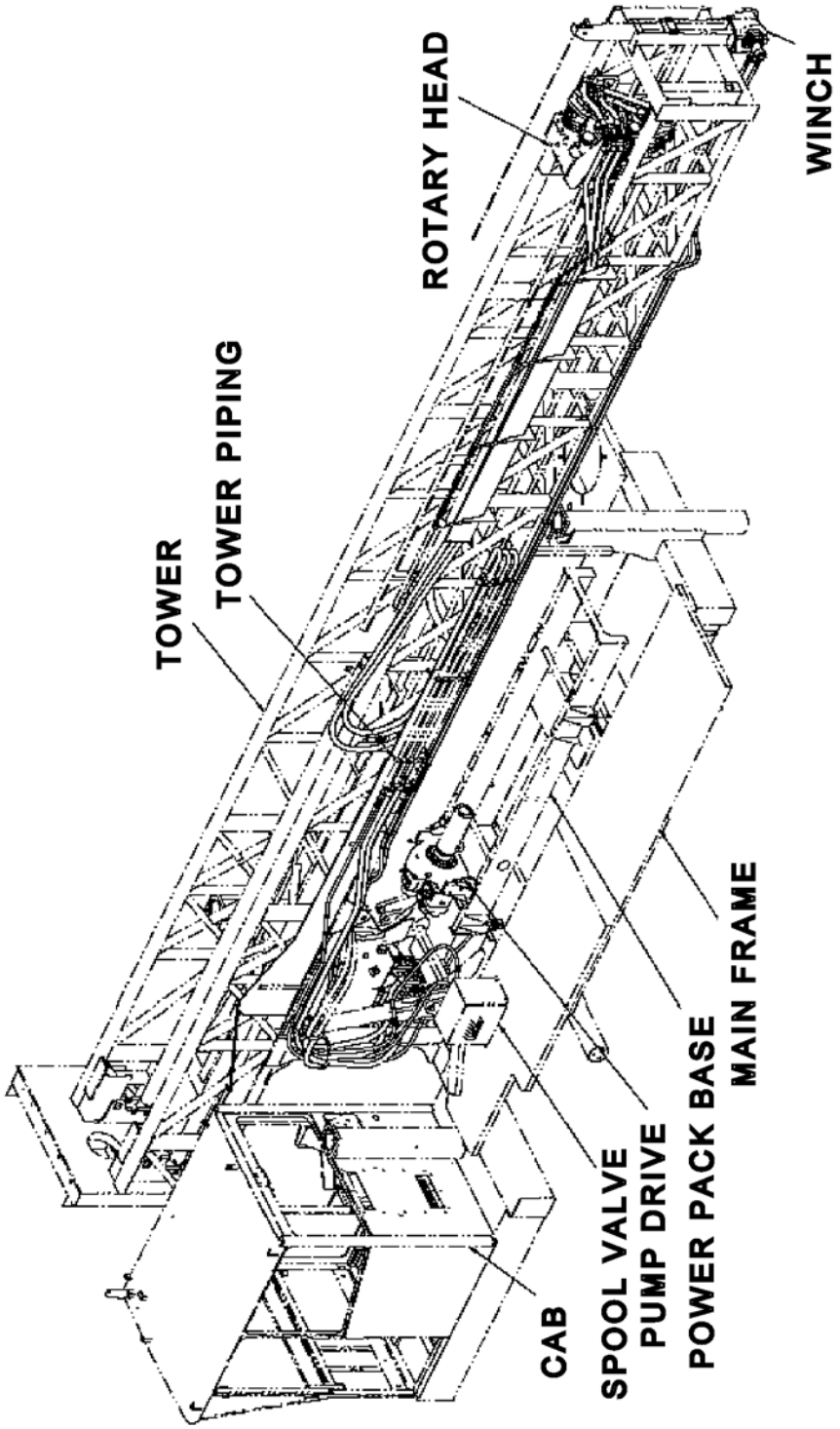
C2657488827 REV 001

BOM 57488827

57488827 CYLINDER, HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57513723	1.0	EA	KIT, SEAL	
-	57425068	1.0	EA	- SLYDRING	
002.0	57618373	1.0	EA	TUBE ASSEMBLY	
003.0	57618522	1.0	EA	HEAD	
004.0	57618530	1.0	EA	PISTON	
018.0	57561094	1.0	EA	SPACER, CYLINDER	

57518516 PIPING,TOWER,UNIQUE,35FT

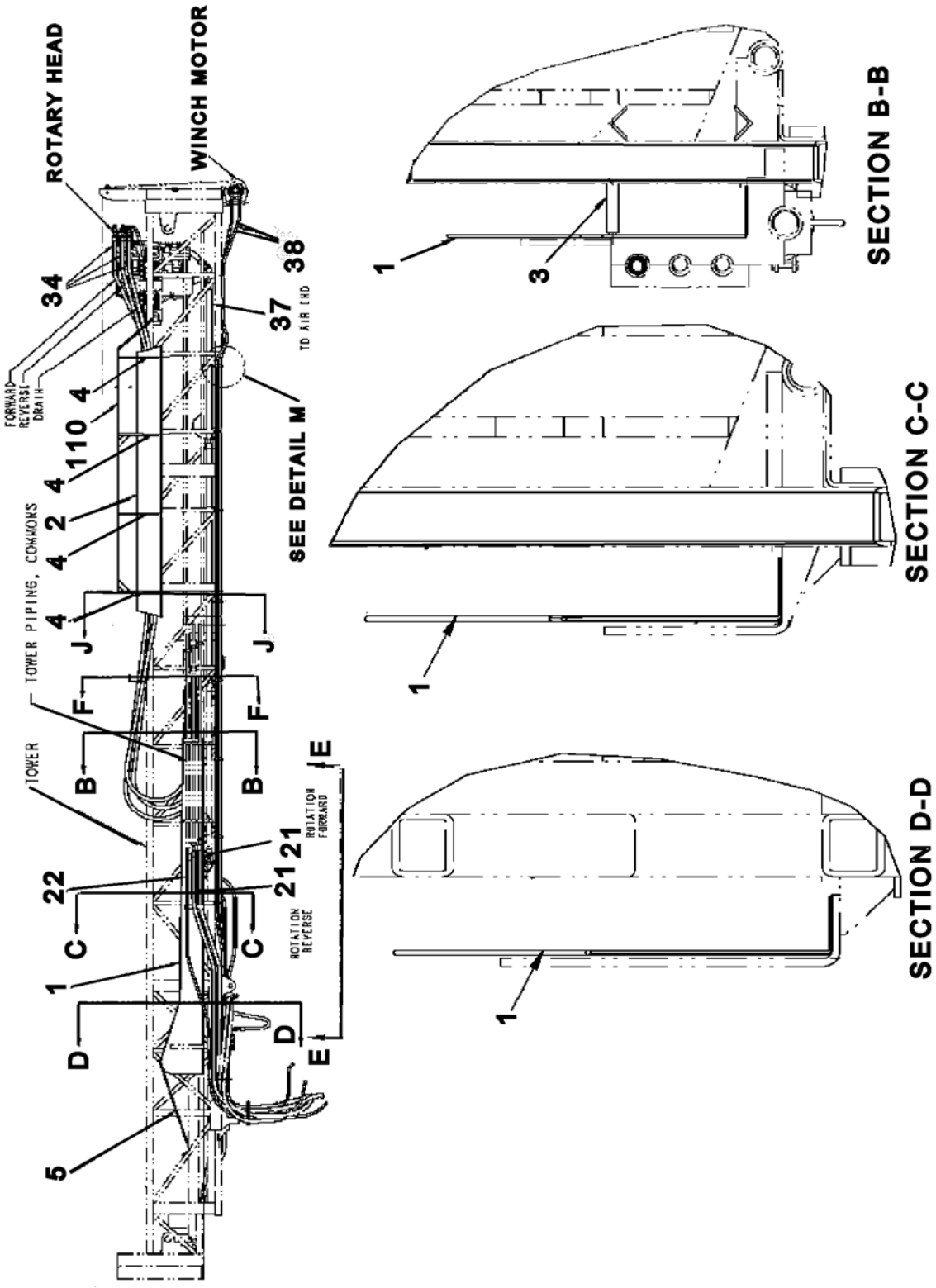


D2657518516 REV 004

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

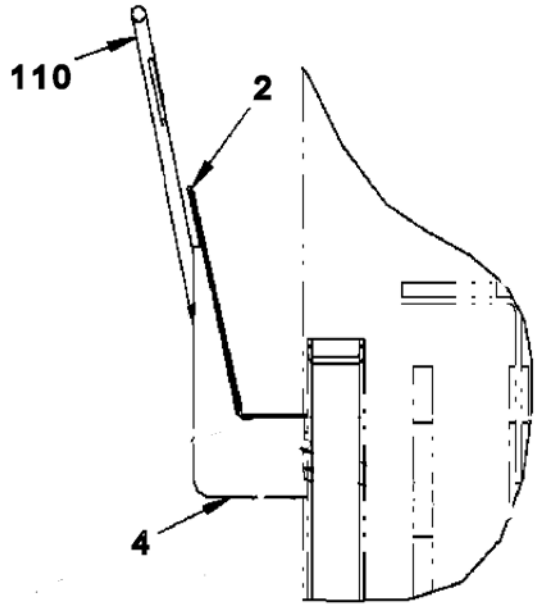
BOM 57518516

57518516 PIPING,TOWER,UNIQUE,35FT

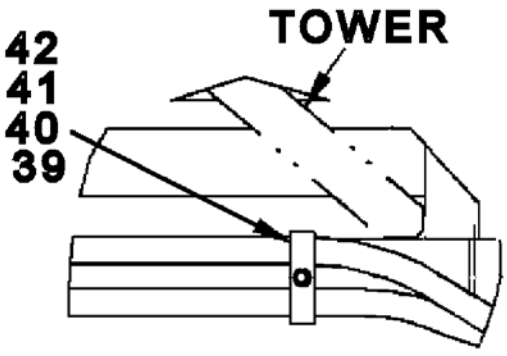


D2657518516 REV 004

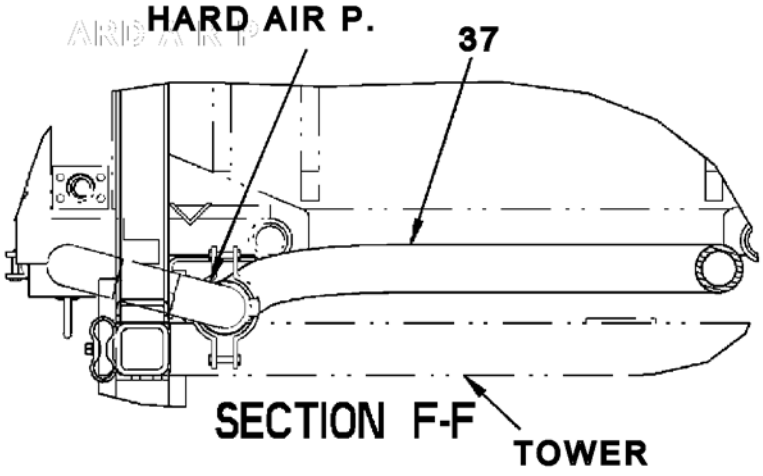
57518516 PIPING,TOWER,UNIQUE,35FT



SECTION J-J



DETAIL M

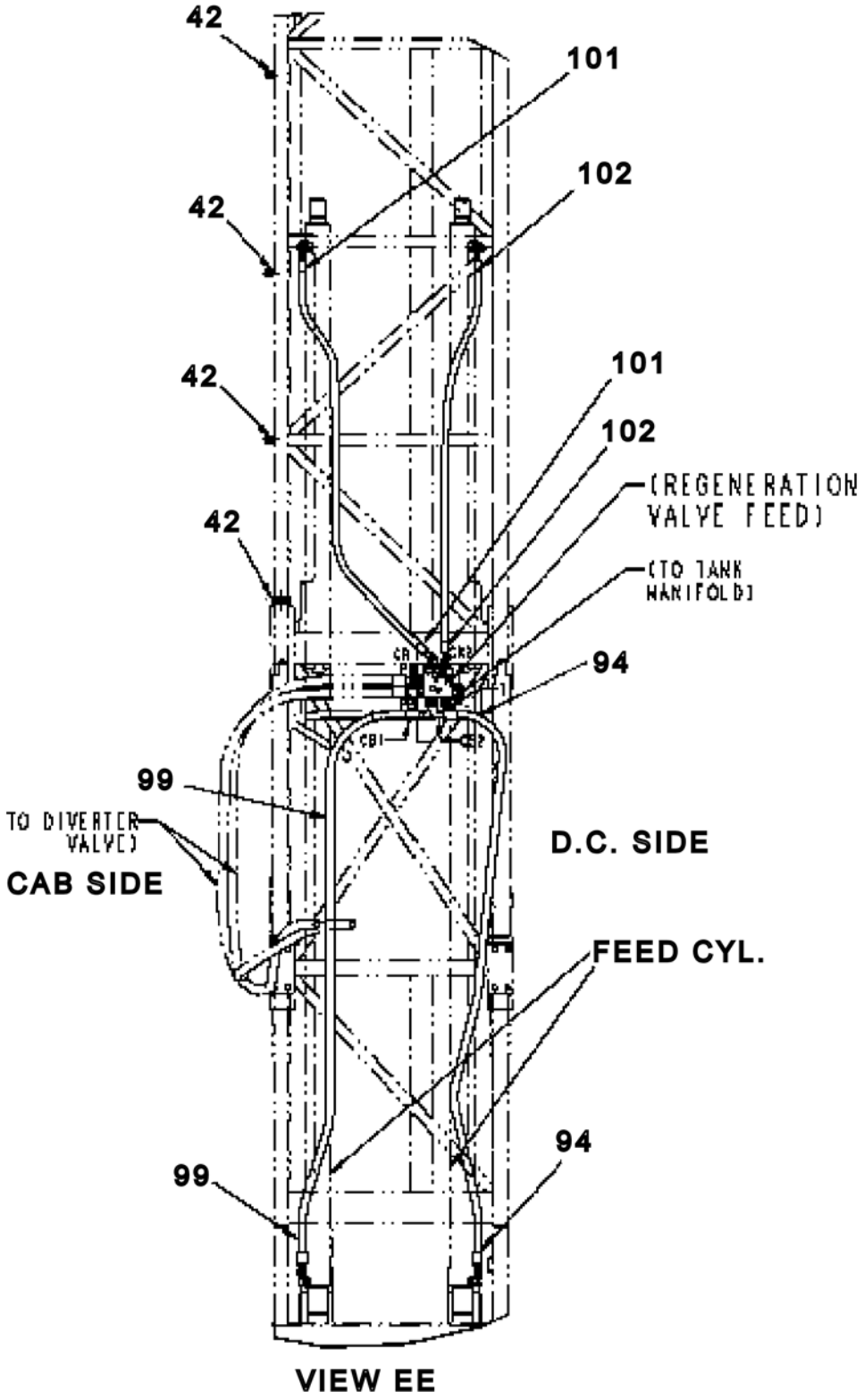


D2657518516 REV 004

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

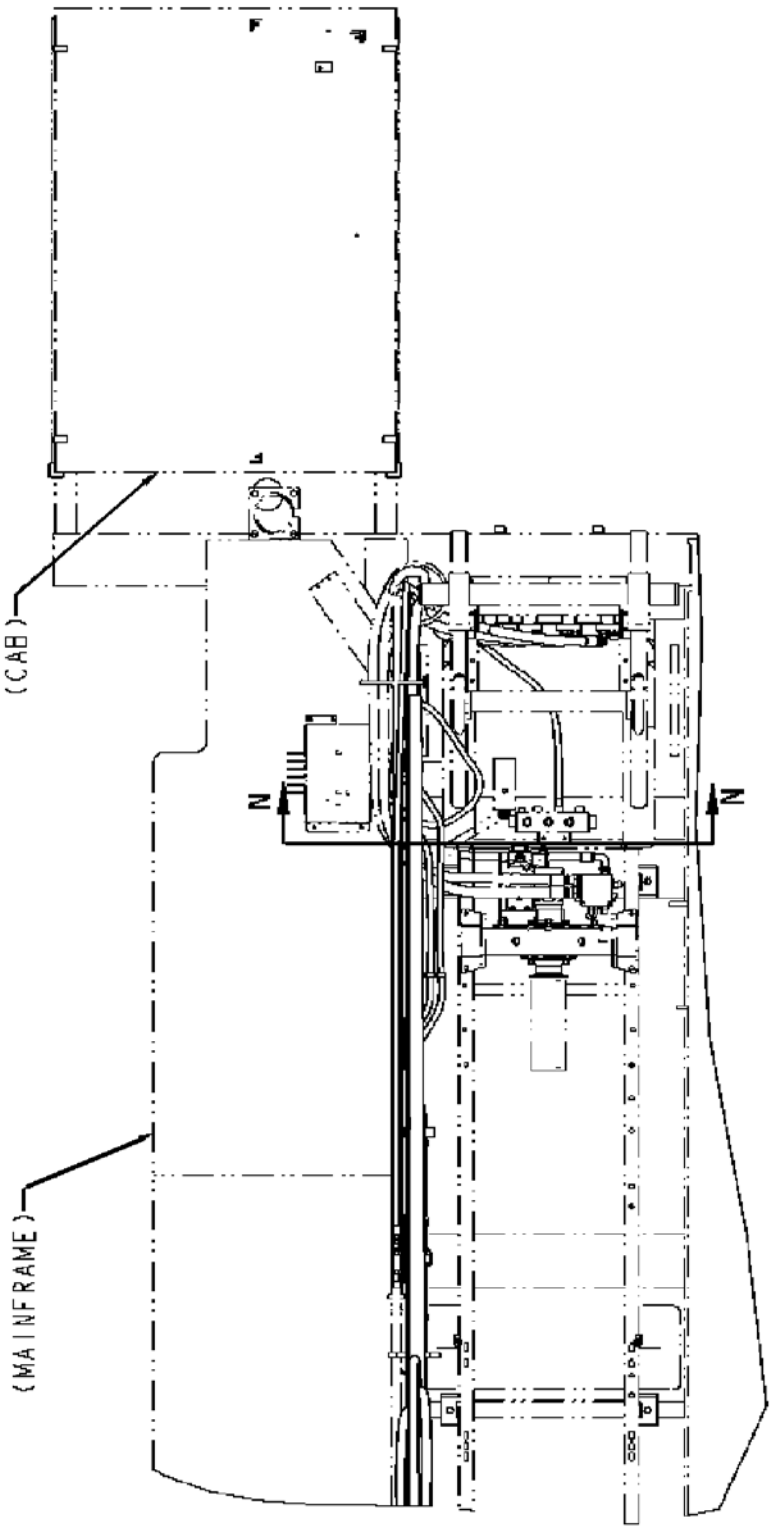
BOM 57518516

57518516 PIPING,TOWER,UNIQUE,35FT



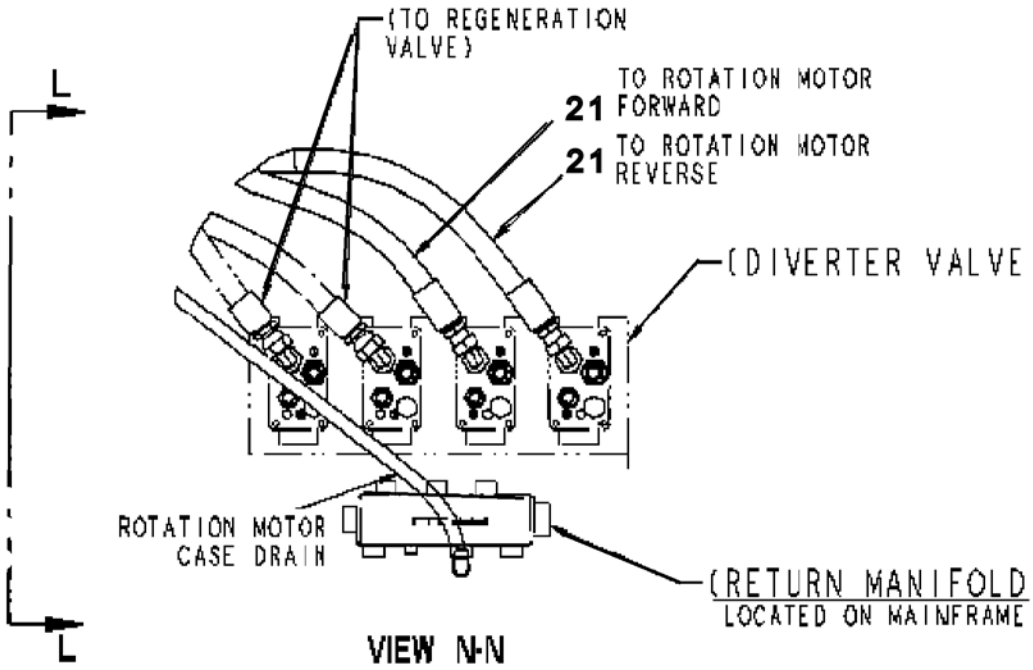
D2657518516 REV 004

57518516 PIPING,TOWER,UNIQUE,35FT

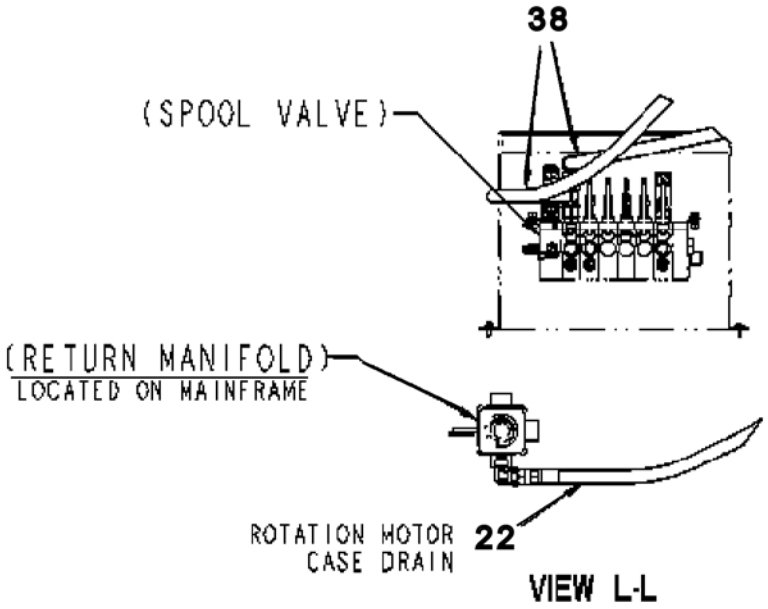


D2657518516 REV 004

57518516 PIPING,TOWER,UNIQUE,35FT



57518516 PIPING,TOWER,UNIQUE,35FT

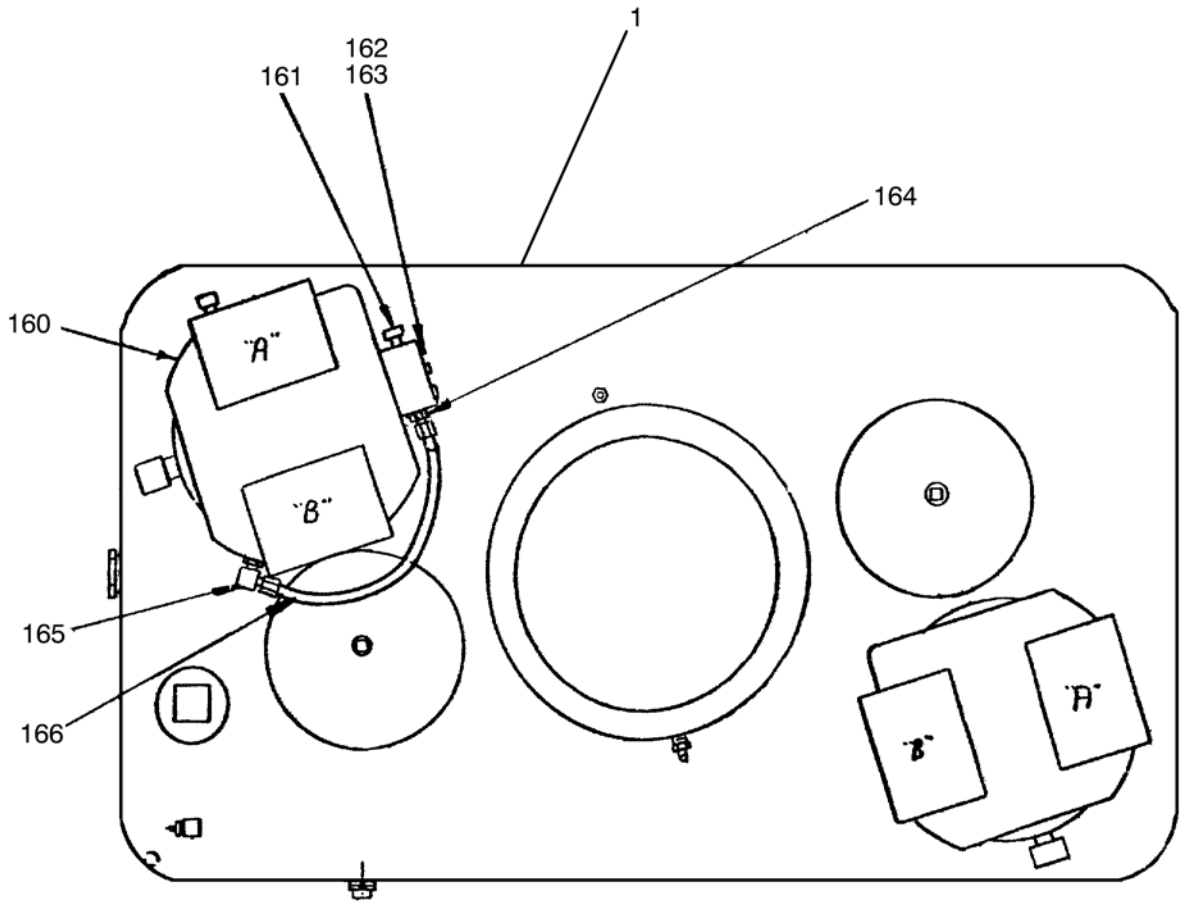


BOM 57518516

57518516 PIPING,TOWER,UNIQUE,35FT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57390015	1.0	EA	HOSE TRAY - LOWER	
002.0	57390031	1.0	EA	HOSE TRAY - UPPER	
003.0	57632465	1.0	EA	PIPE	
004.0	57390049	4.0	EA	GUSSET	
005.0	57644882	1.0	EA	BAR,HOSE TRAY	
021.0	56254105	2.0	EA	HOSE,ASSM	
022.0	57311920	1.0	EA	HOSE ASSY	
034.0	57390494	3.0	EA	HOSE ASSY	
037.0	35612712	285.0	IN	HOSE,AIR 2"	
038.0	57672263	2.0	EA	HOSE ASSEMBLY	
040.0	95937413	10.0	EA	WASHER,LOCK,HELICAL	
041.0	95922894	10.0	EA	NUT,HEX	
042.0	50034818	20.0	EA	CLAMP,HALF	
094.0	57403818	1.0	EA	HOSE ASSY	
099.0	57403818	1.0	EA	HOSE ASSY	
101.0	57403826	1.0	EA	HOSE ASSY	
102.0	57403834	1.0	EA	HOSE ASSY	
110.0	57445579	1.0	EA	EXTENSION,HOSE TRAY 35FT	

57519878 ROTARY HEAD,HI SPEED



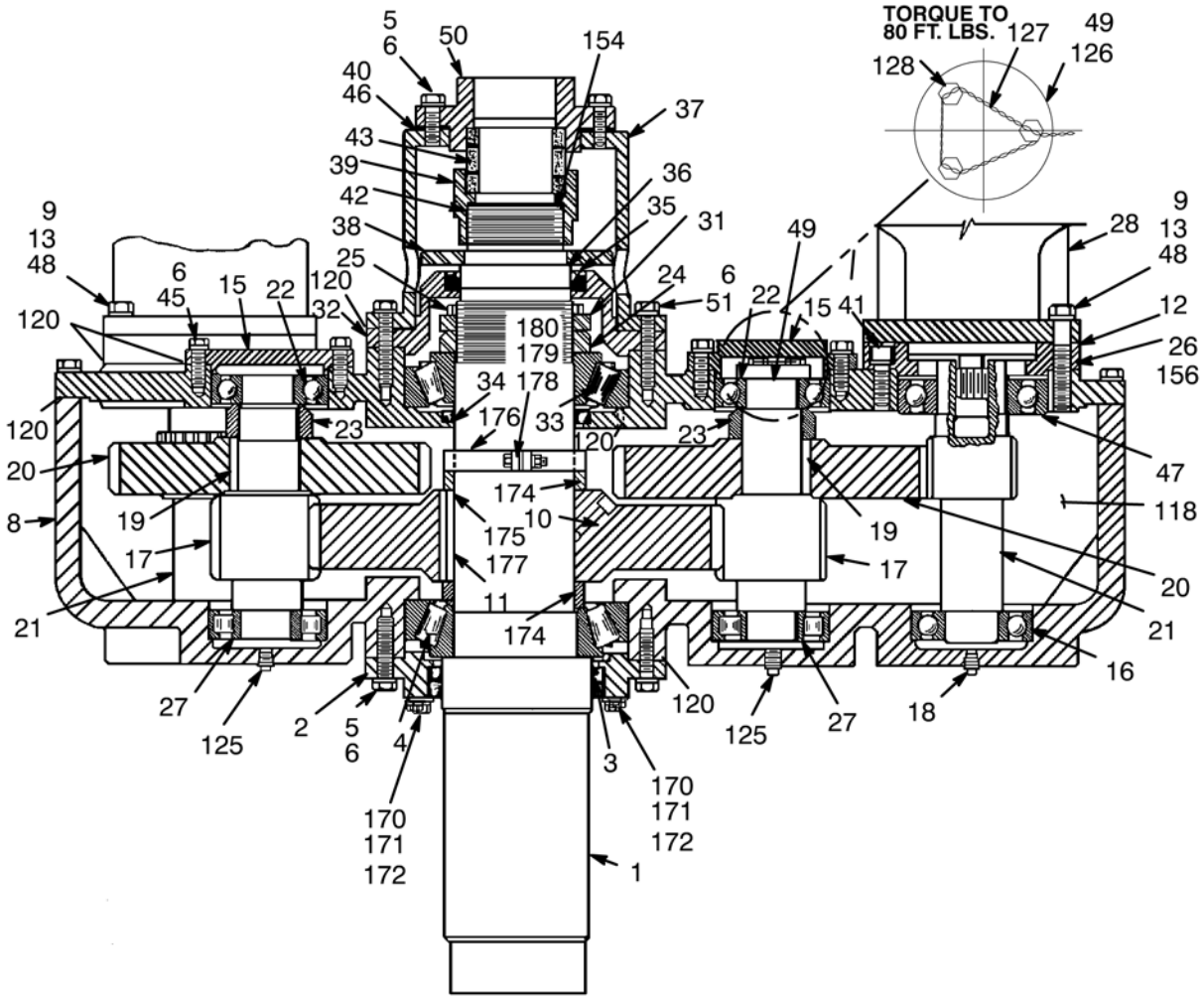
167 – GREASE (NOT SHOWN)

BOM 57519878

57519878 ROTARY HEAD,HI SPEED

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57562639	1.0	EA	ROTARYHEAD,COMMONS,NEW	**See Page 146**
160.0	57110157	1.0	EA	MOTOR,HYDRAULIC	**See Page 158**
161.0	57167298	1.0	EA	VALVE, MOTOR CONTROL	**See Page 188**
162.0	95958948	3.0	EA	CAPSCREW	
163.0	95934303	3.0	EA	WASHER,LOCK,PLATED	
164.0	57319618	1.0	EA	FITTING,STR,06OFS X06SAE	
165.0	57308686	1.0	EA	FITTING,L90,06OFS X08SAE	
166.0	57342891	1.0	EA	HOSE ASSY	
167.0	57755266	0.1	PT	LUBRICANT,MOLYCOTE G-N	

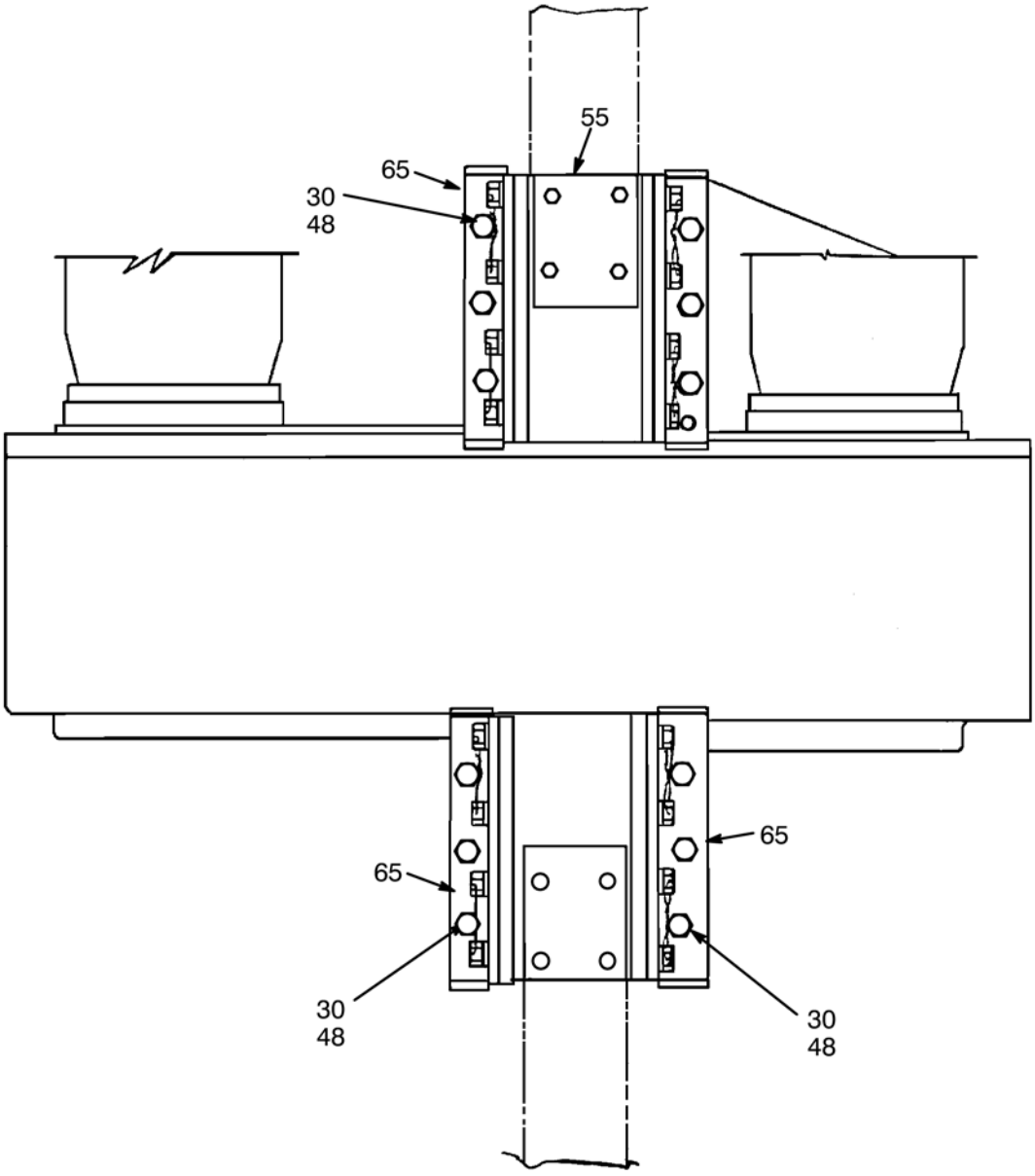
57562639 ROTARYHEAD,COMMONS,NEW



119 GREASE (NOT SHOWN)

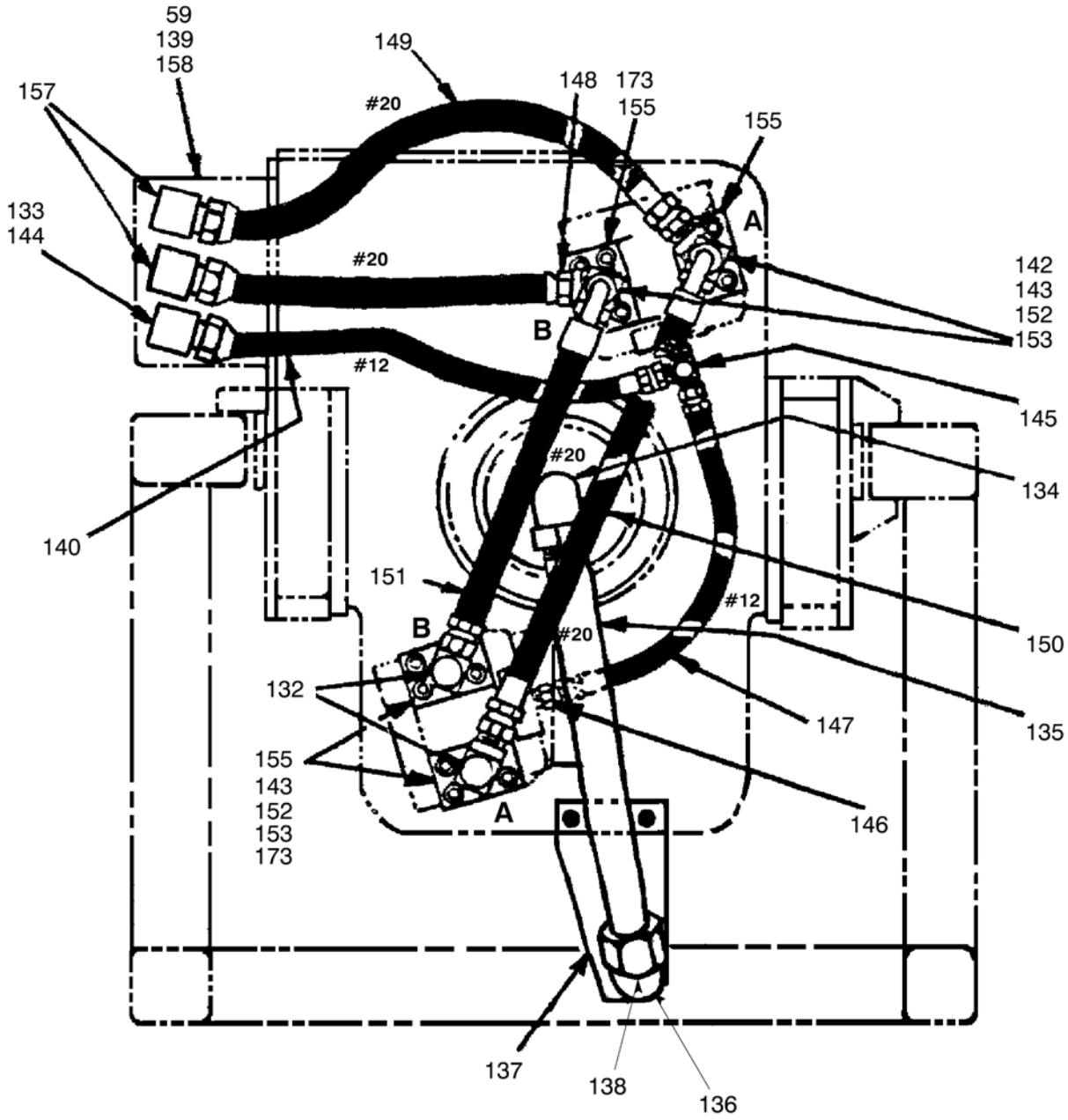
BOM 57562639

57562639 ROTARYHEAD,COMMONS,NEW



TB2657562639 REV 004

57562639 ROTARYHEAD,COMMONS,NEW



TB2657562639 REV 004

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57562639

57562639 ROTARYHEAD,COMMONS,NEW

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57546343	1.0	EA	SPINDLE - FINAL DRIVE	
002.0	57578023	1.0	EA	HOUSING,LOWER SEAL	
-	52245479	1.0	EA	- HOUSING	
003.0	52146784	2.0	EA	SEAL, OIL	
004.0	95434551	1.0	EA	BEARING,ROLLER	
005.0	95934451	14.0	EA	CAPSCREW,HEXHEAD,PLATED	
006.0	95934733	37.0	EA	WASHER,LOCK	
008.0	57395444	1.0	EA	HOUSING,MACHINED-R.H.	**See Page 152**
009.0	95930723	4.0	EA	CAPSCREW,HEX	
010.0	57546301	1.0	EA	GEAR, OUTPUT	
011.0	57546327	1.0	EA	KEY, CUSTOM	
012.0	95086724	2.0	EA	O'RING	
013.0	56951700	4.0	EA	TUBE	
015.0	57191025	2.0	EA	CAP, BEARING	
016.0	95214037	2.0	EA	BEARING	
017.0	57191017	2.0	EA	SHAFT, INTERMEDIATE	
018.0	95033585	4.0	EA	PLUG,PIPE,SQ HEAD,SOLID	
019.0	57159139	2.0	EA	KEY, INTERMEDIATE SHAFT	
020.0	57159113	2.0	EA	GEAR, INTERMEDIATE	
021.0	57170110	2.0	EA	PINION, INPUT	
022.0	95434874	2.0	EA	BEARING,BALL	
023.0	57159121	2.0	EA	SPACER,INTERMEDIATEGEAR	
024.0	57291304	1.0	EA	NUT, ADJUSTING	
-	95209987	1.0	EA	- LOCKNUT,BRG	
025.0	95270815	6.0	EA	CAPSCREW	
026.0	57368052	2.0	EA	ADAPTER, MOTOR	
-	52245461	1.0	EA	- ADAPTER	
027.0	95711156	2.0	EA	BEARING,SPHERICAL,ROLLER	
028.0	57209637	1.0	EA	MOTOR,HYDRAULIC	**See Page 154**
030.0	95644126	24.0	EA	CAPSCREW	
031.0	57806481	1.0	EA	WASHER,LOCK TONGUED	
032.0	52248150	1.0	EA	HOUSING,UPPER SEAL	
033.0	95434569	1.0	EA	BEARING,ROLLER	
034.0	58229915	1.0	EA	SEAL, OIL	
035.0	52164282	1.0	EA	SEAL, OIL	
036.0	50822097	1.0	EA	SLEEVE, WEAR	
037.0	52248176	1.0	EA	SWIVEL	
-	52248184	1.0	EA	- SWIVEL	
038.0	52187804	1.0	EA	SLINGER	
039.0	57347379	1.0	EA	CAP, SPINDLE-SPUR HEAD	
040.0	57371163	1.0	EA	SPACER, SWIVEL PACKING	

BOM 57562639

57562639 ROTARYHEAD,COMMONS,NEW

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
041.0	95055216	4.0	EA	CAPSCREW,HEX HEAD	
042.0	50610971	1.0	EA	RING, THREADED	
043.0	50694876	1.0	EA	PACKING,SWIVEL	
-	57336067	2.0	EA	- PACKING,SWIVEL-30XV	
-	50694934	1.0	EA	- BUSHING,WEAR	
045.0	95934659	8.0	EA	CAPSCREW,HEX	
046.0	52210317	1.0	EA	SHIM SET	
047.0	52209939	2.0	EA	BEARING	
048.0	95934741	32.0	EA	WASHER,LOCK HELICAL	
049.0	57243719	2.0	EA	SHIM, POWERHEAD-SPURGEAR	
050.0	57183329	1.0	EA	CAP,SWIVEL	
051.0	95104204	8.0	EA	CAPSCREW,HEX	
052.0	57149080	8.0	EA	SHIM	
053.0	57386427	8.0	EA	GUIDE,BLOCK-LONG R.H.	
054.0	50624709	32.0	EA	SHIM, GUIDE	
055.0	57376832	4.0	EA	GUIDE SLIDE - R.H.	
057.0	95064697	64.0	EA	WASHER,FLAT 1/2	
058.0	95293460	16.0	EA	CAPSCREW,HEX SOCKET	
059.0	50344605	12.0	FT	WIRE, LOCK	
065.0	57143778	4.0	EA	GUIDE, FINISHEDPOWERHEAD	
-	57143760	1.0	EA	- GUIDE, POWERHEAD-CASTING	
066.0	95157731	32.0	EA	CAPSCREW,HEX HEAD	
067.0	95249587	1.0	EA	PLUG,PIPE,SQ HEAD	
069.0	95201547	1.0	EA	FITTING,LUBE	
070.0	95249694	1.0	EA	PLUG,PIPE,SQ HEAD	
088.0	95246724	2.0	EA	FITTING,RELIEF,HYD	
098.0	52253176	1.0	EA	GAUGE,SIGHT	
099.0	95040952	1.0	EA	ELBOW,STREET,90DEG	
107.0	50137256	1.0	EA	PLUG,DRAIN	
118.0	58209651	44.0	QT	OIL, GEAR	
119.0	57818221	1.0	LB	GREASE,RONEX-HD	
120.0	50700731	0.5	EA	COMPOUND,SILICONE	
125.0	95323465	2.0	EA	PLUG,HEX HEAD,STRT THRD	
126.0	57191033	2.0	EA	PLATE, END	
127.0	50344605	2.0	FT	WIRE, LOCK	
128.0	95101762	6.0	EA	CAPSCREW,HEX HEAD	
129.0	57568487	2.0	EA	VALVE,RELIEF (ATM)	
131.0	57328676	1.0	EA	FITTING,TEST	
132.0	57174070	2.0	EA	FITTING,L90,20OFS X20SAE	
133.0	57167934	1.0	EA	FITTING,L90-120FSX12SAE	
134.0	95286910	1.0	EA	ELBOW,90 DEG MALE	

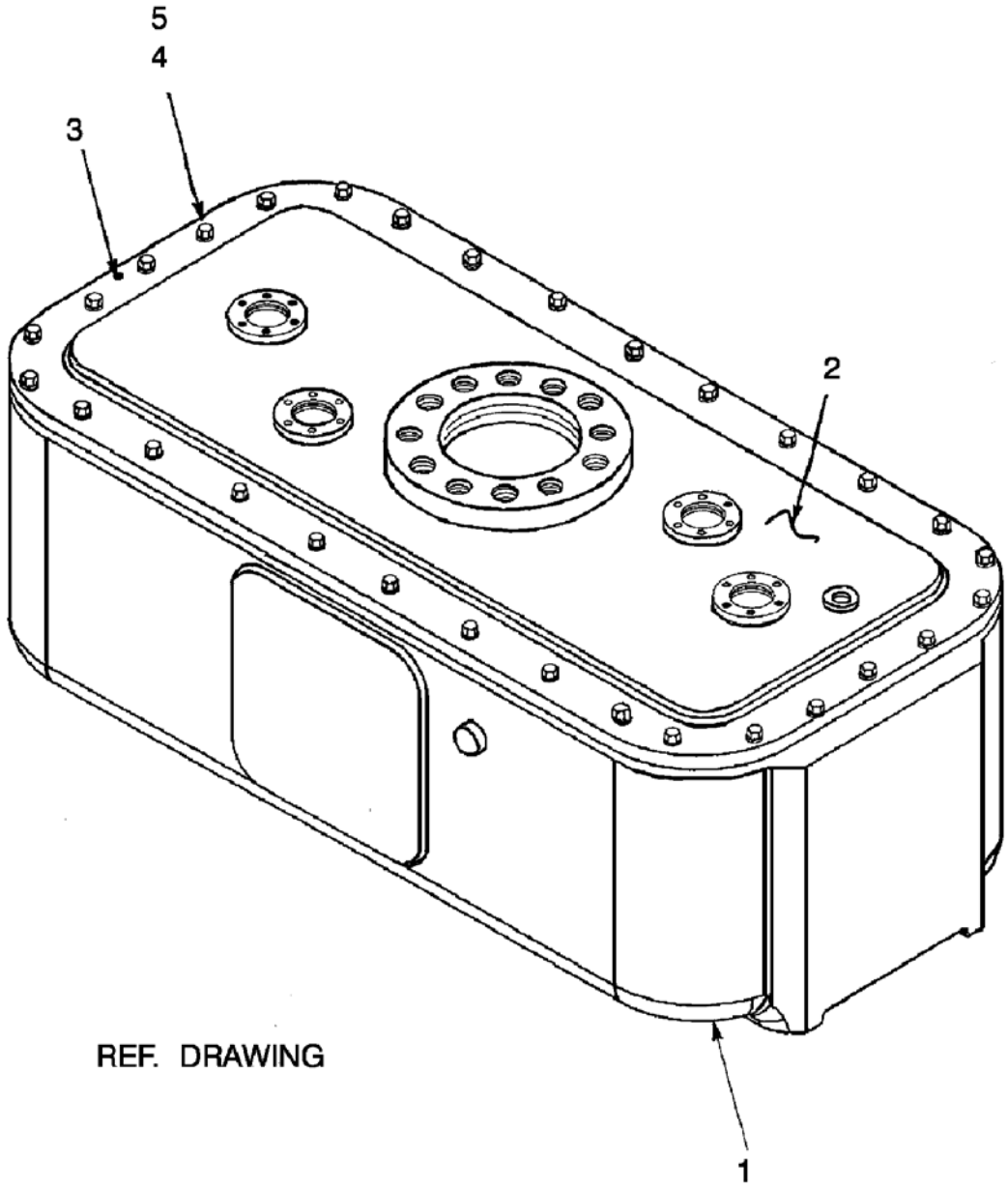
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57562639

57562639 ROTARYHEAD,COMMONS,NEW

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
135.0	56974686	1.0	EA	HOSE ASSY	
136.0	95279147	1.0	EA	FITTING,HYD	
137.1	57559577	1.0	EA	BRACKET-HOSE,ROTARY HEAD	
138.0	50023910	1.0	EA	STEM	
139.0	56244684	1.0	EA	BRACKET,HOSE ELEC	
140.0	57298069	1.0	EA	HOSE ASSY	
142.0	57308983	2.0	EA	FITTING,RNT,20OFS X20SAE	
143.0	95086567	4.0	EA	O'RING	
144.0	95650149	1.0	EA	REDUCER,EXPANDER	
145.0	57209728	1.0	EA	FITTING,RNT,12OFS X12SAE	
146.0	57167942	1.0	EA	FITTING,STR,12OFS X12SAE	
147.0	57396806	1.0	EA	HOSE ASSY	
148.0	57406985	1.0	EA	HOSE ASSY	
149.0	57406993	1.0	EA	HOSE ASSY	
150.0	57396822	1.0	EA	HOSE ASSY	
151.0	57406977	1.0	EA	HOSE ASSY	
152.0	95013702	16.0	EA	CAPSCREW,HEX SOCKET HEAD	
153.0	95209425	16.0	EA	WASHER,LOCK	
154.0	95086625	1.0	EA	O-RING, 20A11CM237	
155.0	57213936	4.0	EA	BLOCK,FLANGE	
156.0	95097929	2.0	EA	O-RING	
157.0	57174070	2.0	EA	FITTING,L90,20OFS X20SAE	
158.0	95705364	6.0	EA	SCREW, CAP-3/4-10 X1-1/2	
170.0	52237179	2.0	EA	WASHER	
171.0	95934766	2.0	EA	WASHER,LOCK,HELICAL	
172.0	95208997	2.0	EA	CAPSCREW	
173.0	95666996	3.0	EA	PLUG,HEX HEAD,STRT THRD	
174.0	57546319	2.0	EA	SPACER, FINAL DRIVE	
175.1	57546384	2.0	EA	SHIM, FINAL DRIVE	
176.0	57546335	1.0	EA	COLLAR, RETAINING	
177.0	57562829	4.0	EA	SHIM, FINAL DRIVE	
178.0	95935235	2.0	EA	CAPSCREW	
179.0	95922225	6.0	EA	WASHER,FLAT	
180.0	95923371	2.0	EA	NUT,FLEX LOCK	
200.00	57788853	0.0	EA	MANUAL,TRAINING,ROT HD	

57395444 HOUSING,MACHINED-R.H.

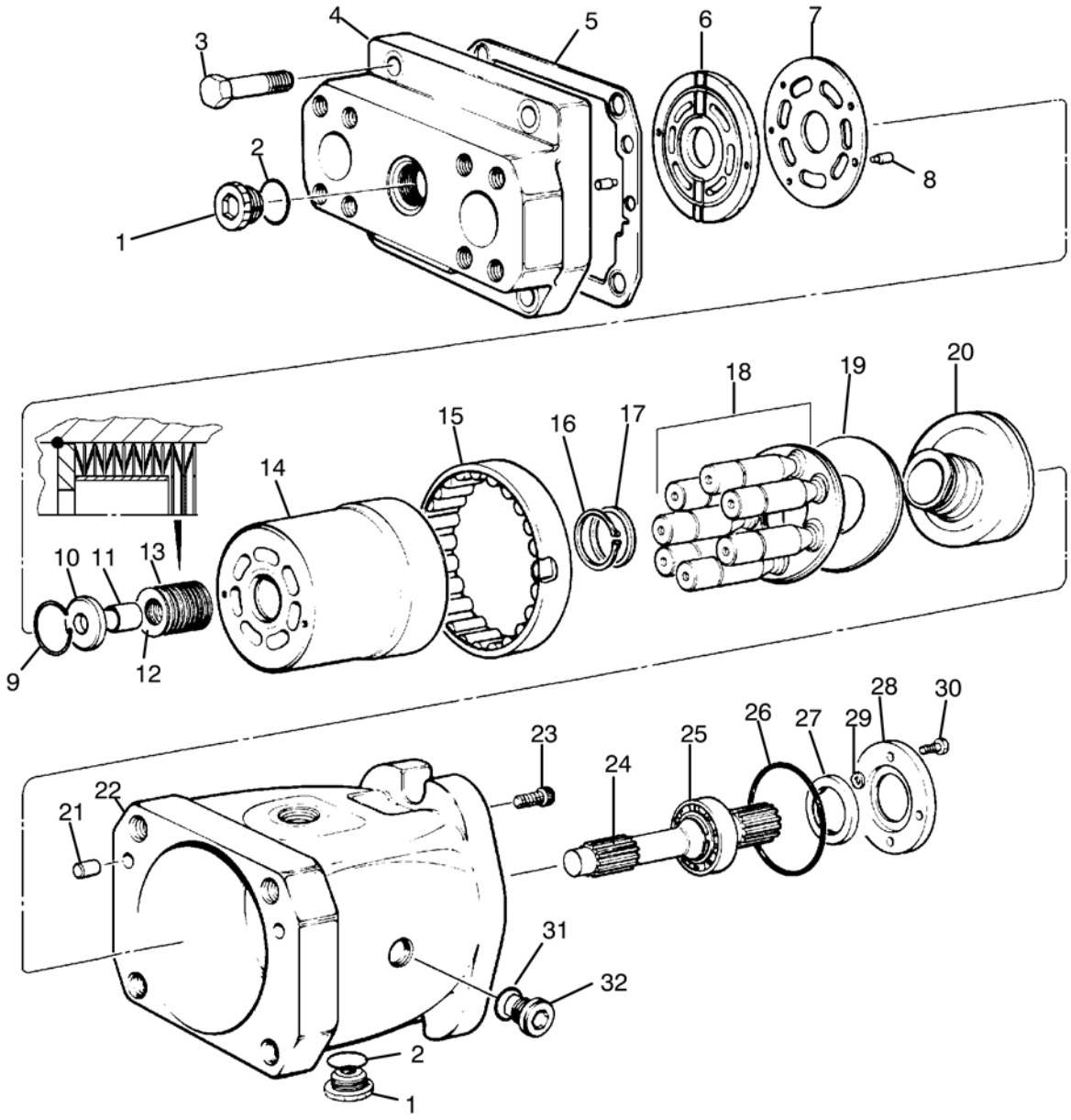


BOM 57395444

57395444 HOUSING,MACHINED-R.H.

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57395469	1.0	EA	HOUSING-SEMIFINISH, R.H.	
-	57395436	1.0	EA	- CASTING,RAW-HOUSING R.H	
002.0	52231008	1.0	EA	COVER	
003.0	95239927	4.0	EA	PIN,DOWEL	
004.0	95934451	24.0	EA	CAPSCREW,HEXHEAD,PLATED	
005.0	95934733	24.0	EA	WASHER,LOCK	

57209637 MOTOR,HYDRAULIC



33 SEAL KIT (NOT SHOWN) CONSISTS OF
ITEMS 2, 5, 26, 27, 29 and 31

B2657209637 REV 002

BOM 57209637

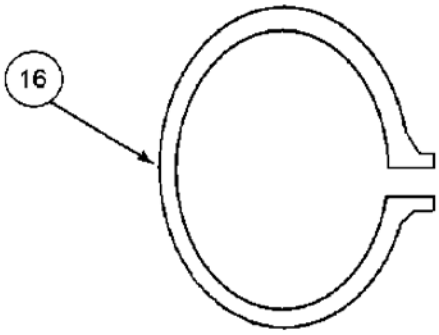
57209637 MOTOR,HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54408059	2.0	EA	PLUG	
002.0	52154994	2.0	EA	O-RING	
003.0	52215613	4.0	EA	SCREW	
004.0	54471321	1.0	EA	PORT BLOCK, W/O SHUTTLE	
005.0	54471768	1.0	EA	GASKET	
006.0	57181372	1.0	EA	PLATE,PORT	
007.0	52201712	1.0	EA	FACEPLATE, BARREL-13/32	
008.0	50817089	5.0	EA	PINS	
009.0	52155843	1.0	EA	RING,RETAINING	
010.0	57514903	1.0	EA	SPRING, RETAINER	
011.0	54471792	1.0	EA	STOP,BARREL	
012.0	57300816	12.0	EA	DISC SPRING	
013.0	57300824	12.0	EA	THRUST WASHER	
014.0	52201696	1.0	EA	BARRL/SLEEVE	
015.0	52155041	1.0	EA	BEARING	
016.0	54472170	1.0	EA	KIT,RETAINING RING	**See Page 156**
017.0	52204856	1.0	EA	WASHER,THRUST	
018.0	54413646	1.0	EA	RETAINER PISTON & SHOE	
019.0	52203668	1.0	EA	PLATE,CREEP	
020.0	57305930	1.0	EA	CAM-MOTOR	
021.0	54472105	2.0	EA	PIN,DOWELL	
022.0	54472113	1.0	EA	HOUSING	
023.0	54472121	1.0	EA	SCREW,SOCKET HD CAP	
024.0	57240806	1.0	EA	SHAFT	
025.0	57117772	1.0	EA	BEARING,MOTOR SHAFT	
026.0	57300329	1.0	EA	O-RING	
027.0	57117780	1.0	EA	SEAL,SHAFT	
028.0	57164592	1.0	EA	RETAINER,SEAL	
029.0	52215696	4.0	EA	O-RING	
030.0	54472139	4.0	EA	SCREW,HEX HD CAP	
031.0	57416950	1.0	EA	O RING	
032.0	57416943	1.0	EA	RETAINER	
033.0	54472147	1.0	EA	KIT,SEAL M6F	

54472170 KIT,RETAINING RING

ITEM 16 (RETAINING RING) IS ONE OF THE FOLLOWING LIST:
- REF. 1) 2652155140 - .083" (2.11mm), YELLOW
- REF. 2) 2652155157 - .081" (2.03mm), GREEN
- REF. 3) 2652155165 - .079" (2.01mm), RED
- REF. 4) 2652204872 - .087" (2.18mm), WHITE
- REF. 5) 2652204864 - .085" (2.13mm), BLUE
- REF. 6) 2654408299 - .077" (1.96mm), BLACK
- REF. 7) 2654472469 - .075" (1.90mm), ORANGE

SECURE THE PISTON AND SHOE ASSYEMBLY BY INSTALLING THE THICKEST OF THE RETAINING RINGS THAT WILL FIT IN THE GROOVE ON THE CAM CENTER POST. CHECK CLEARENCE BETWEEN SHOE FACES AND CREEP PLATE WITH A FEELER GAUGE. GRASP ONE PISTON AND LIFT TIGHTLY AGAINST THE SHOE RETAINER TO OBTAIN CLEARENCE. GAP SHOULD BE BETWEEN .002" (.051mm) AND .004" (.102mm). ASSEMBLY MUST BE FREE TO ROTATE BY HAND WITH APPROXIMATE FORCE OF 5 FT. LBS. (6.8 Nm).

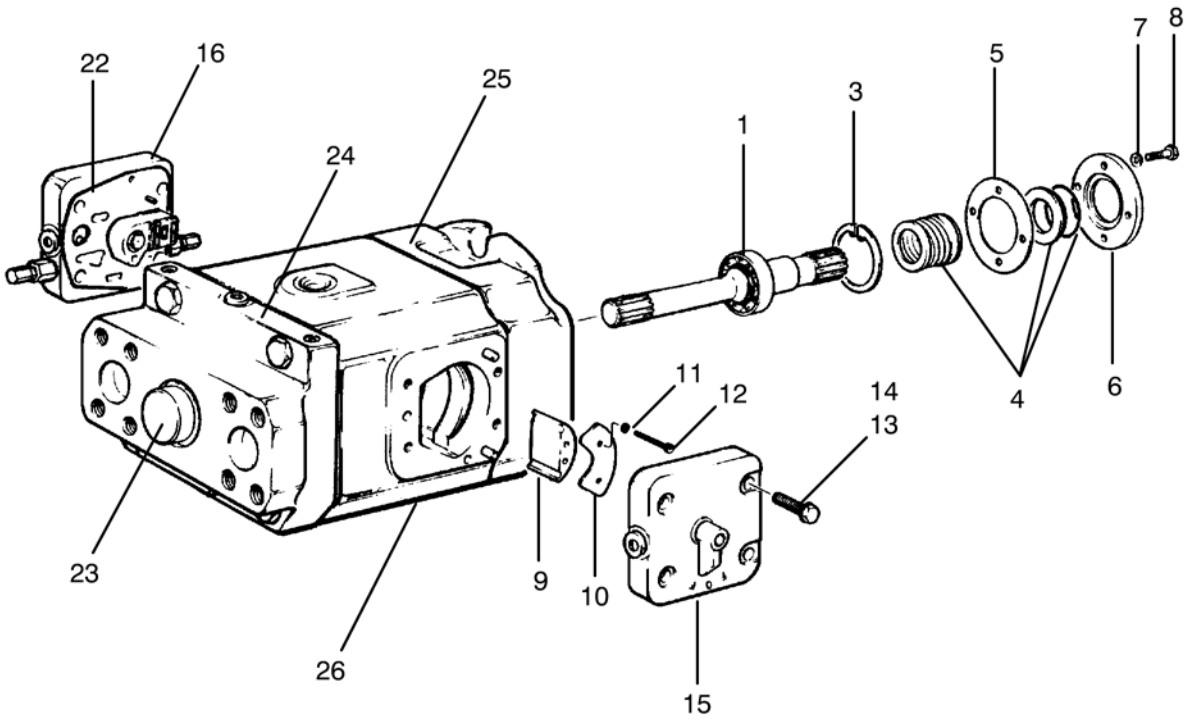


BOM 54472170

54472170 KIT,RETAINING RING

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52155140	1.0	EA	RING,RETAINING	
002.0	52155157	1.0	EA	RING,RETAINING	
003.0	52155165	1.0	EA	RING,RETAINING	
004.0	52204872	1.0	EA	RING,RETAINING	
005.0	52204864	1.0	EA	RING,RETAINING	
006.0	54408299	1.0	EA	RING,RETAINING	
007.0	54472469	1.0	EA	RING,RETAINING	

57110157 MOTOR,HYDRAULIC

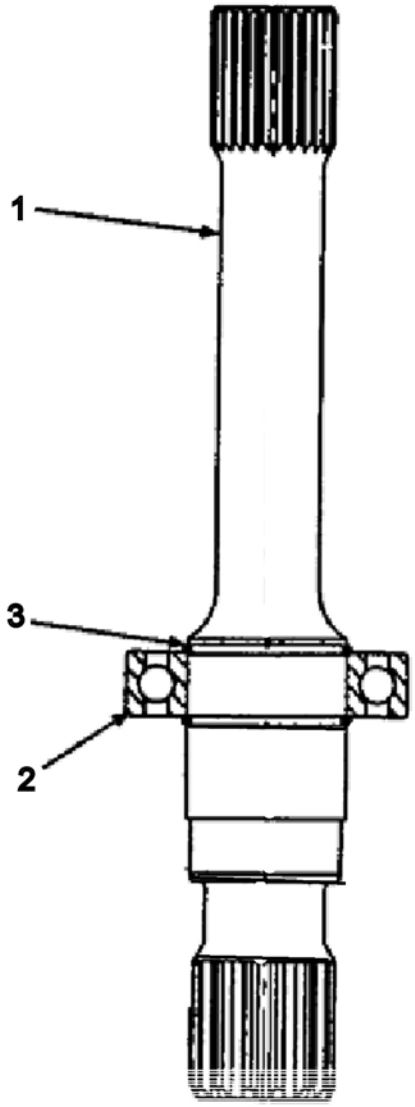


BOM 57110157

57110157 MOTOR,HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54407309	1.0	EA	DRIVE SHAFT & BEARING	**See Page 160**
003.0	54416946	1.0	EA	KIT,RETAINING RING	**See Page 162**
004.0	52154515	1.0	EA	SEAL, SHAFT	
005.0	57307902	1.0	EA	O-RING	
006.0	54407358	1.0	EA	RETAINER,SEAL W/O RING	
007.0	52154499	4.0	EA	GASKET	
008.0	54407366	4.0	EA	SCREW	
009.0	52201738	1.0	EA	SERVO PLATE	
010.0	52154580	1.0	EA	PLATE	
011.0	54407366	2.0	EA	SCREW	
012.0	52154606	2.0	EA	SCREW	
013.0	52154622	8.0	EA	WASHER, NYLITE	
014.0	54407390	8.0	EA	SCREW	
015.0	57052631	1.0	EA	SERVO OUTPUT	**See Page 164**
016.0	57480048	1.0	EA	SERVO, INPUT-MOTOR ASIDE	**See Page 166**
022.0	57417339	1.0	EA	SERVO-CONT.COVER GASKET	
023.0	54414347	1.0	EA	BARREL HOLDDOWN ASSY	**See Page 170**
024.0	54414354	1.0	EA	MNTG PORT BLK ASSY	**See Page 172**
025.0	54414362	1.0	EA	BRL,ROCKER CAM & FLG ASM	**See Page 174**
026.0	54414396	1.0	EA	HOUSING/FACE PLATE ASSY	**See Page 184**
027.0	57630998	0.0	EA	KIT,SEAL ROT.MOTOR	

54407309 DRIVE SHAFT & BEARING

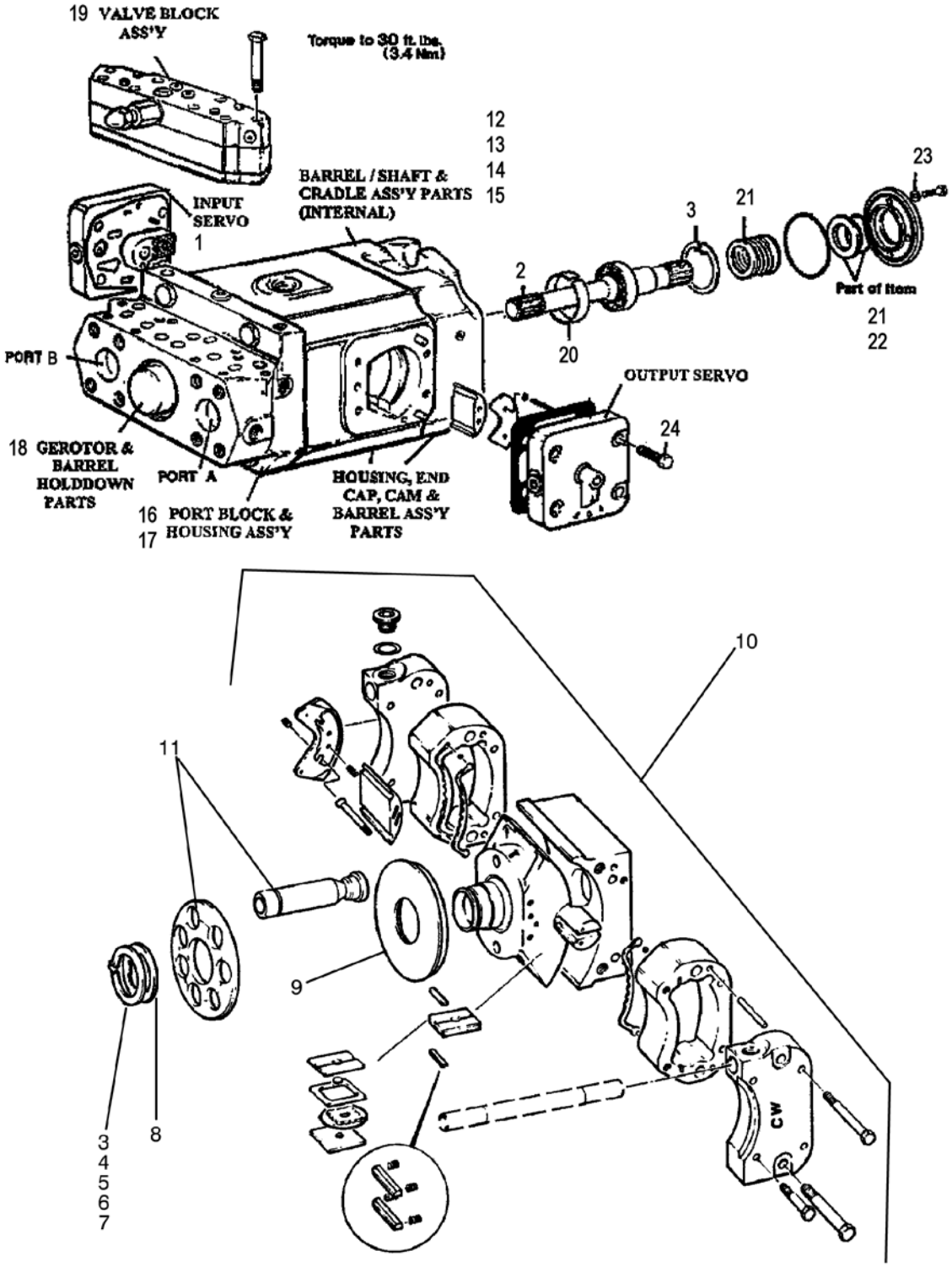


BOM 54407309

54407309 DRIVE SHAFT & BEARING

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52201662	1.0	EA	SUB 54407309 SHAFT ASM	
002.0	54407317	1.0	EA	BEARING	
003.0	52155751	2.0	EA	RING, RETAINING	

54416946 KIT,RETAINING RING



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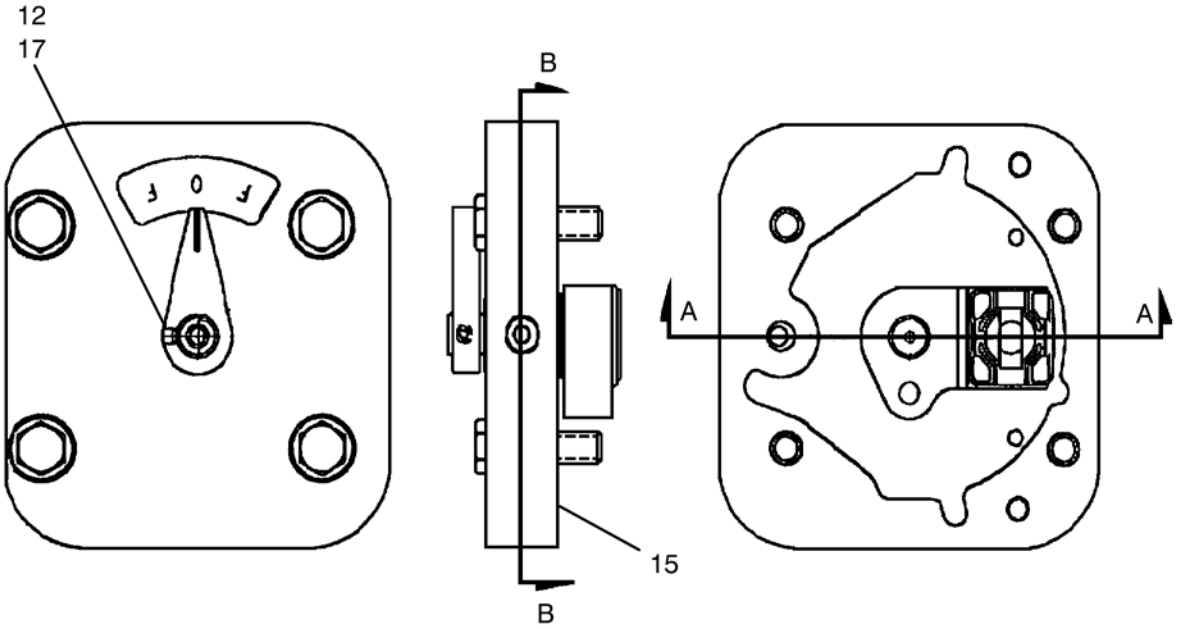
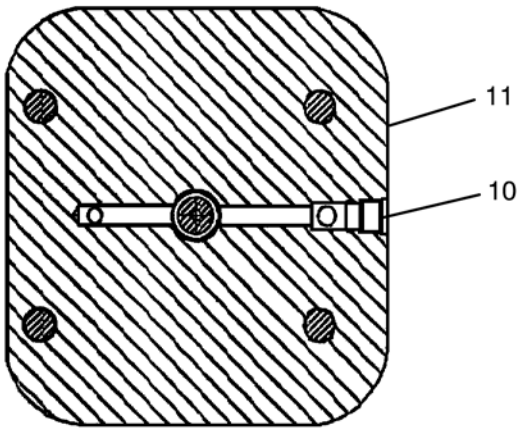
BOM 54416946

54416946 KIT,RETAINING RING

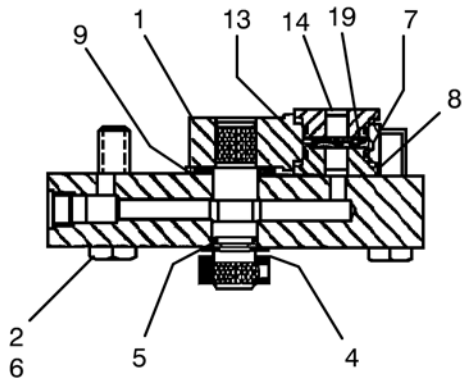
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54407325	1.0	EA	RING,RETAINING	
002.0	54407333	1.0	EA	RING,RETAINING	
003.0	54407341	1.0	EA	RING,RETAINING	

57052631 SERVO OUTPUT





SECTION B–B



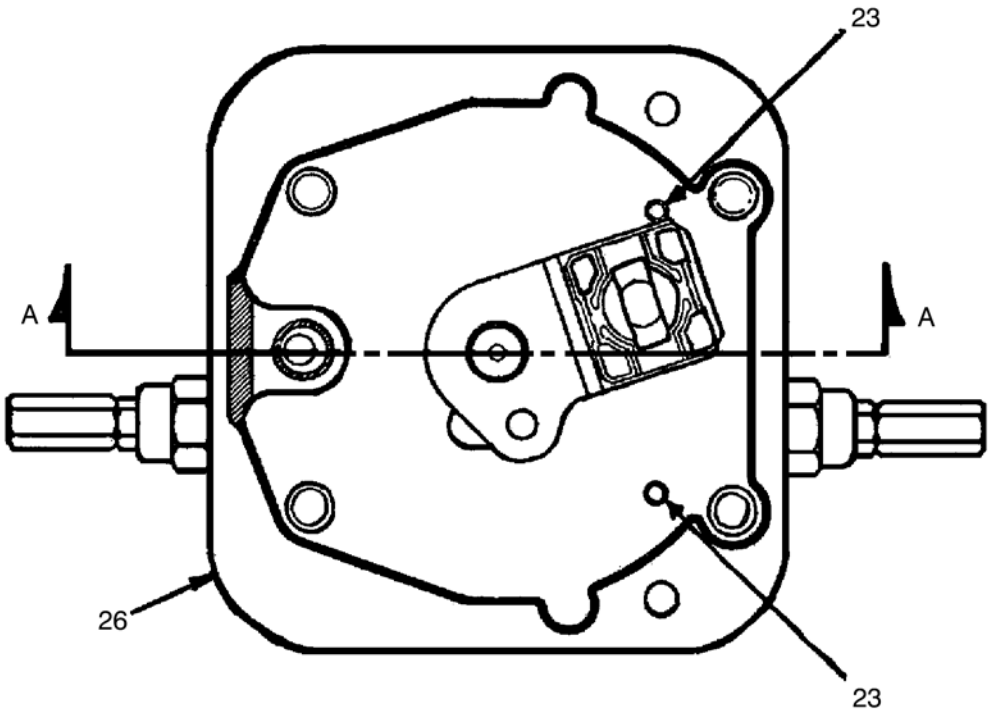
SECTION A–A

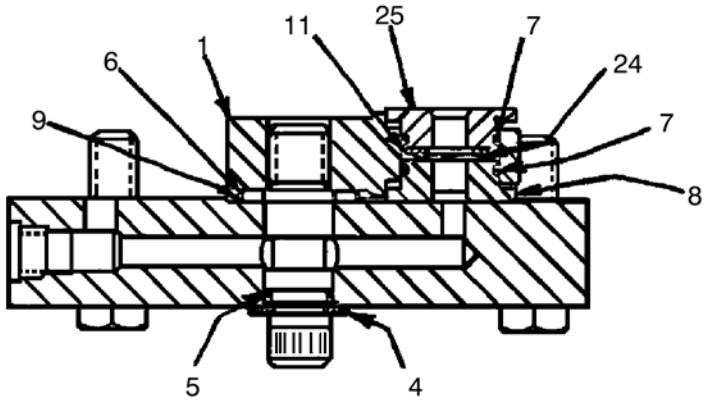
BOM 57052631

57052631 SERVO OUTPUT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54409123	1.0	EA	SERVO SHAFT ASSY	
002.0	54407390	4.0	EA	SCREW	
004.0	52201803	2.0	EA	RING,RETAING	
005.0	54407416	1.0	EA	O-RING	
006.0	52154622	4.0	EA	WASHER, NYLITE	
007.0	95097689	2.0	EA	O-RING	
008.0	57153108	1.0	EA	SHEAR SEAL	
009.0	54407457	3.0	EA	WASHER,THRUST	
010.0	52201811	1.0	EA	PIPE PLUG	
011.0	57151144	1.0	EA	COVER	
012.0	54407473	1.0	EA	INDICATOR	
013.0	52201779	2.0	EA	WASHER	
014.0	52201761	1.0	EA	SEAL,SHEAR	
015.0	57417339	1.0	EA	SERVO-CONT.COVER GASKET	
017.0	57240756	1.0	EA	SCREW, SET	
019.0	54407481	1.0	EA	WASHER,THRUST	

57480048 SERVO, INPUT-MOTOR ASIDE

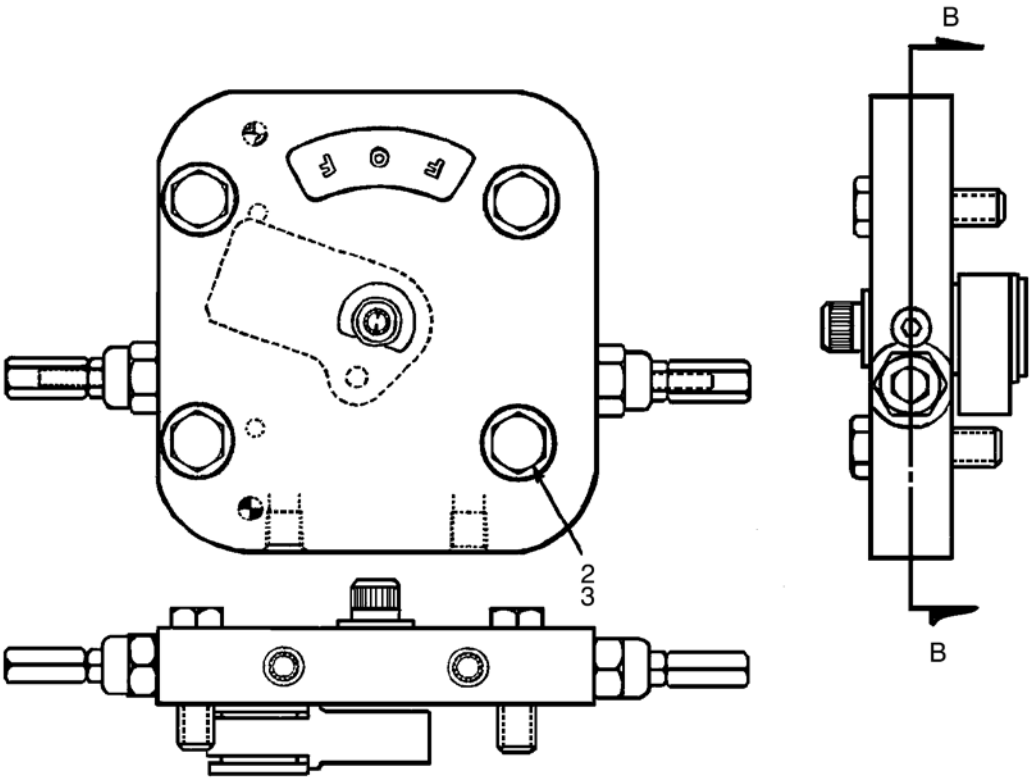




SECTION A–A

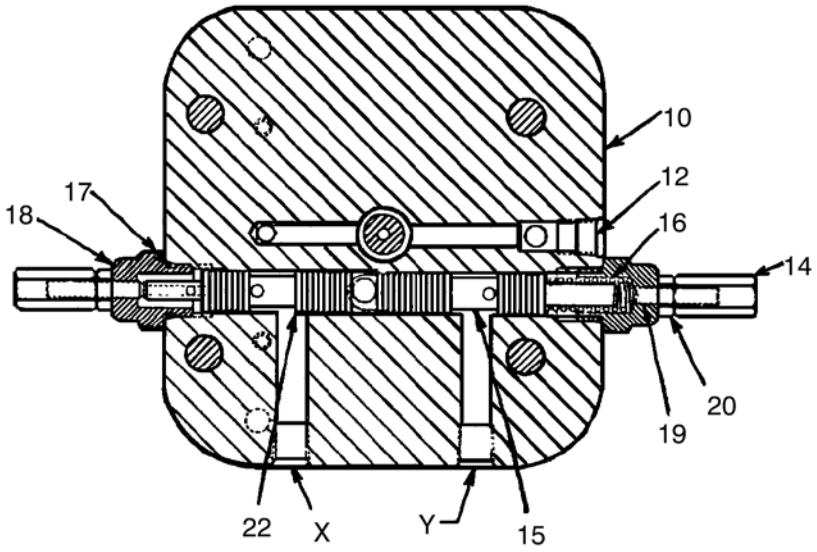
BOM 57480048

57480048 SERVO, INPUT-MOTOR ASIDE



D2657480048 REV 001

57480048 SERVO, INPUT-MOTOR ASIDE



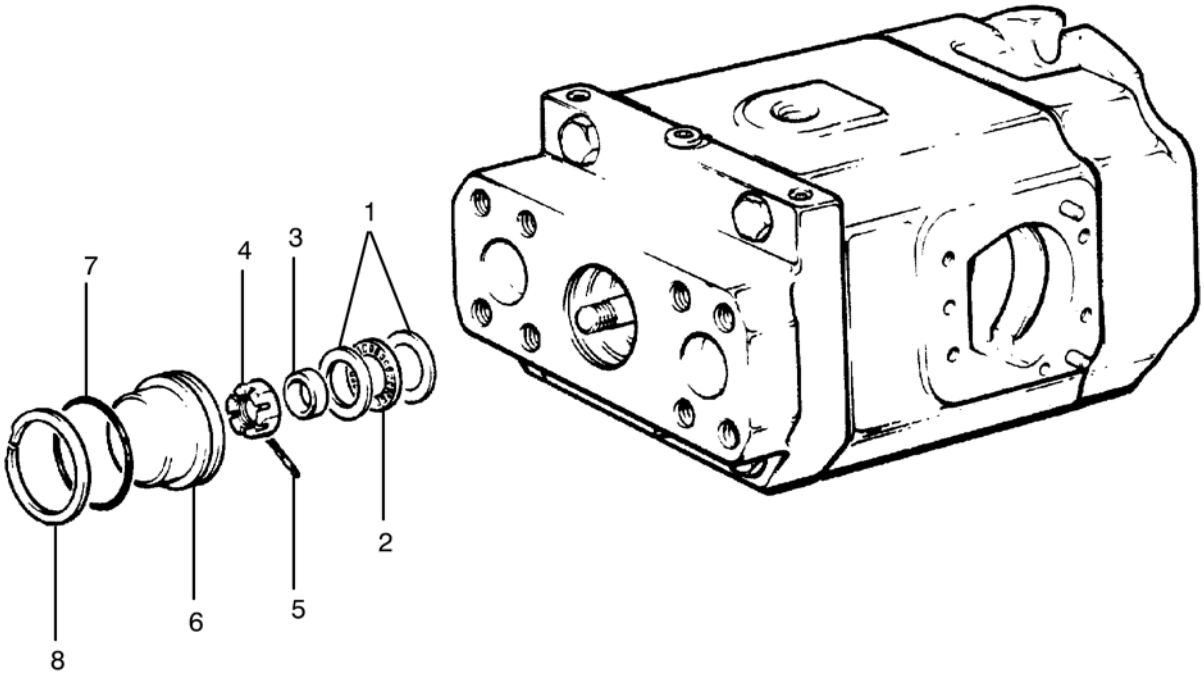
SECTION B–B

BOM 57480048

57480048 SERVO, INPUT-MOTOR ASIDE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52201746	1.0	EA	SHAFT LINK	
002.0	54407390	4.0	EA	SCREW	
003.0	52154622	4.0	EA	WASHER, NYLITE	
004.0	52201803	1.0	EA	RING,RETAING	
005.0	54407416	1.0	EA	O-RING	
006.0	54409644	1.0	EA	WASHER,FLAT HARDENED	
007.0	95097689	2.0	EA	O-RING	
008.0	57153108	1.0	EA	SHEAR SEAL	
009.0	52201795	1.0	EA	BEARING	
010.0	54413208	1.0	EA	COVER	
011.0	54407481	1.0	EA	WASHER,THRUST	
012.0	52201811	1.0	EA	PIPE PLUG	
014.0	57104895	2.0	EA	COVER, NUT	
015.0	54413216	1.0	EA	SPOOL	
016.0	57240566	1.0	EA	SPRING	
017.0	52154937	1.0	EA	O-RING	
018.0	57480055	2.0	EA	PLUG, B POWER HEAD	
019.0	57239717	2.0	EA	SCREW, SET	
020.0	57104937	2.0	EA	NUT, JAM	
022.0	54413224	1.0	EA	SPOOL	
023.0	52155454	2.0	EA	PIN	
024.0	52201779	2.0	EA	WASHER	
025.0	52201761	1.0	EA	SEAL,SHEAR	
026.0	57417339	1.0	EA	SERVO-CONT.COVER GASKET	

54414347 BARREL HOLDDOWN ASSY

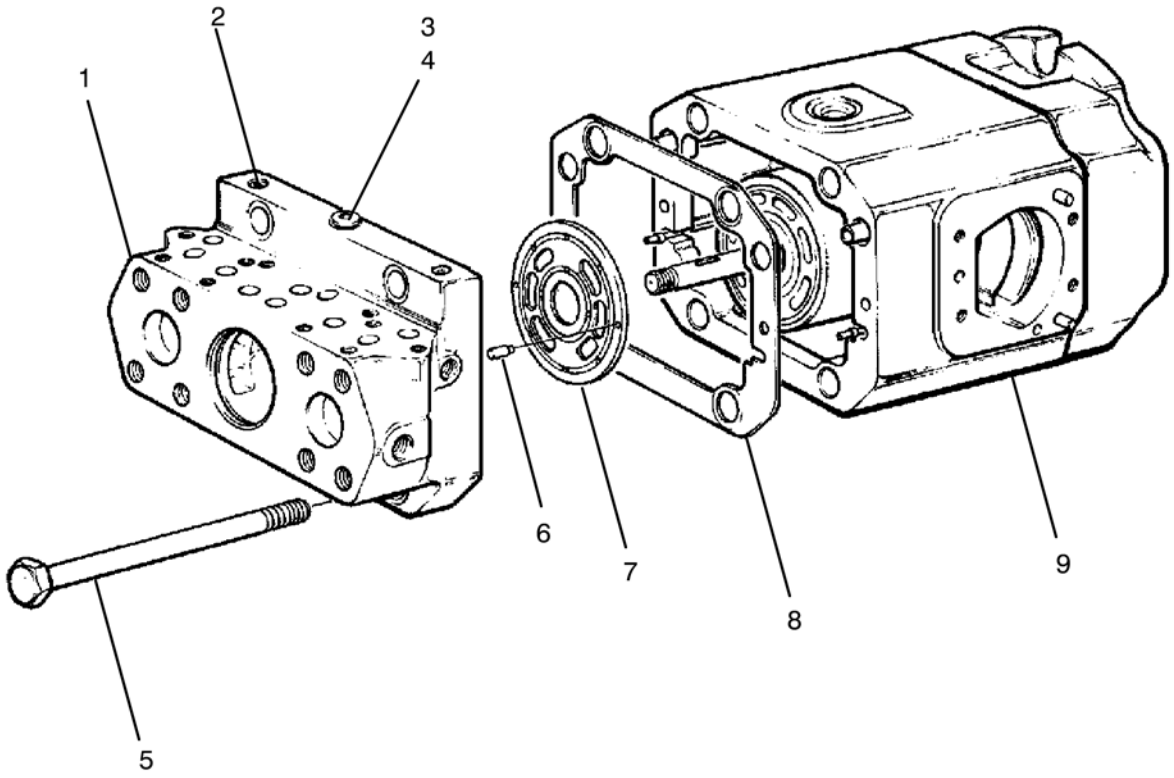


BOM 54414347

54414347 BARREL HOLDDOWN ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52154788	1.0	EA	WASHER	
002.0	52154796	1.0	EA	BEARING	
003.0	52154804	1.0	EA	SEAL RING	
004.0	54407812	1.0	EA	NUT	
005.0	54413265	1.0	EA	PIN	
006.0	57027096	1.0	EA	COVER,END	
007.0	95086229	1.0	EA	O-RING, 20A11CM138	
008.0	54413240	1.0	EA	RING	

54414354 MNTG PORT BLK ASSY



C54414354 REV 000

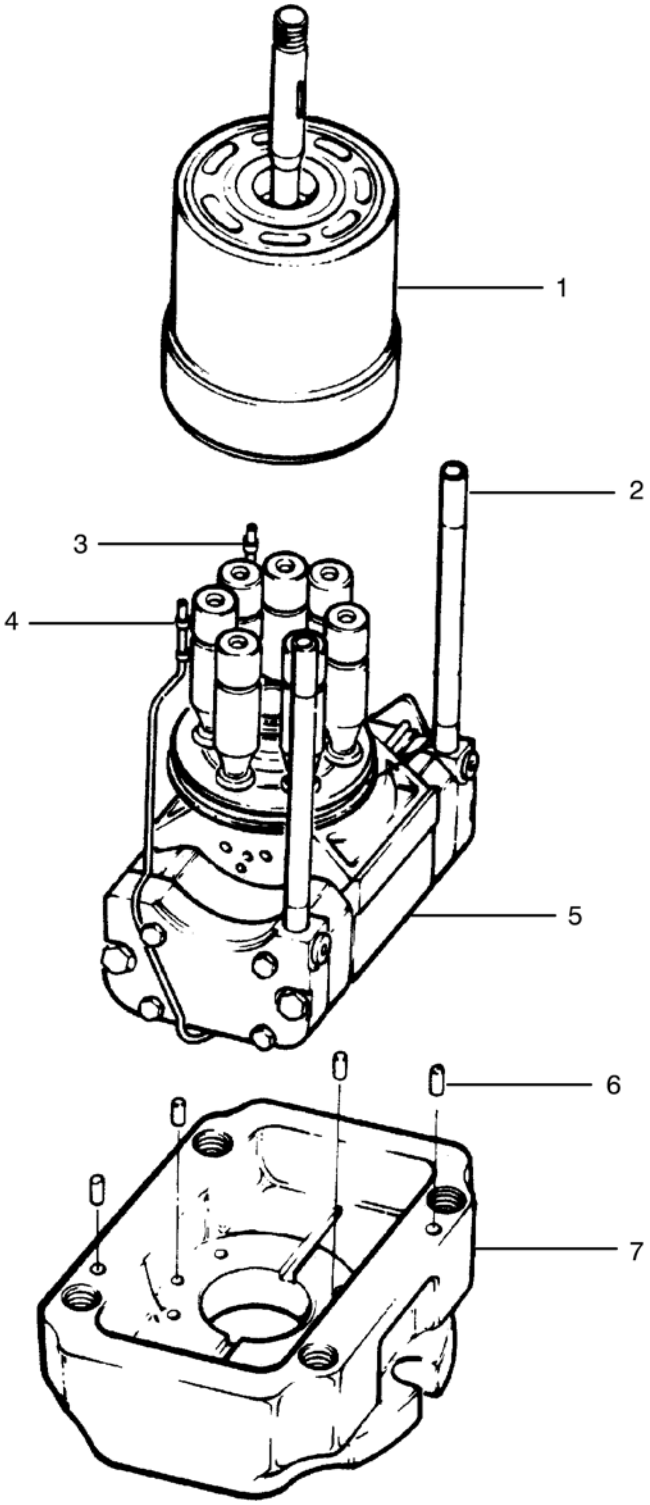
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 54414354

54414354 MNTG PORT BLK ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54413612	1.0	EA	PORT BLK	
002.0	54407994	2.0	EA	PLUG	
003.0	52154929	1.0	EA	PLUG	
004.0	54413620	1.0	EA	O-RING	
005.0	54407945	4.0	EA	SCREW	
006.0	50817089	2.0	EA	PINS	
007.0	57181372	1.0	EA	PLATE,PORT	
008.0	52155033	1.0	EA	GASKET,HOUSING	
009.0	57416935	1.0	EA	HOUSING ASSY	

54414362 BRL,ROCKER CAM & FLG ASM



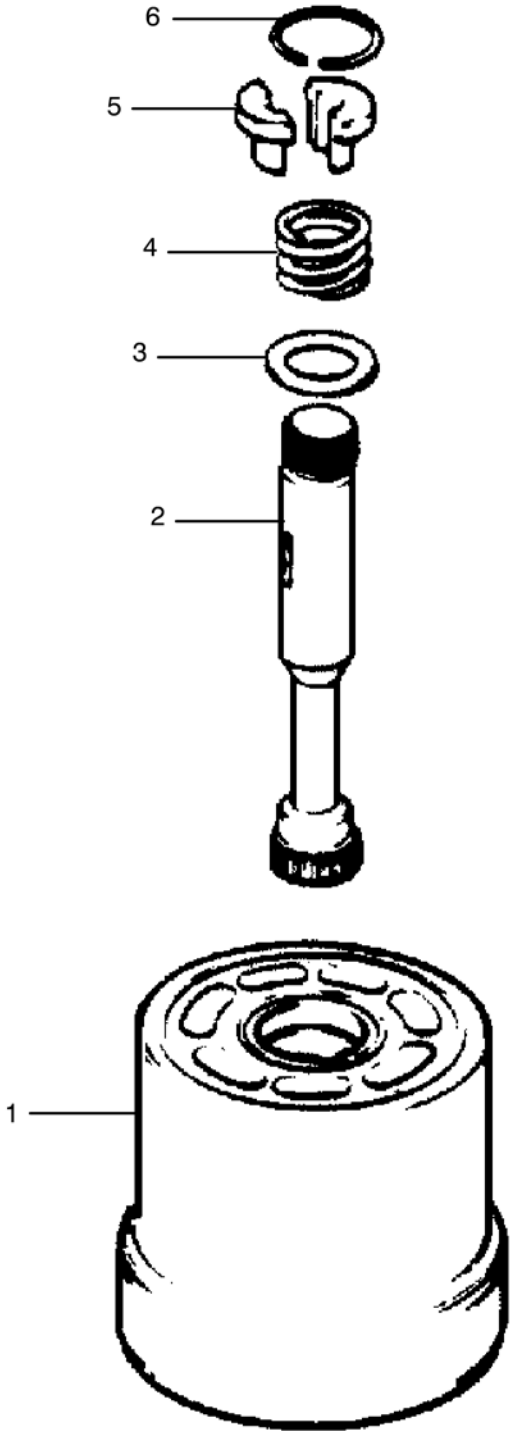
C54414362 REV 000

BOM 54414362

54414362 BRL,ROCKER CAM & FLG ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54414370	1.0	EA	BARREL/HOLDOWN SHAFT ASM	**See Page 176**
002.0	52248119	2.0	EA	TUBE,PRESS	
003.0	52201670	1.0	EA	TUBE	
004.0	52155066	1.0	EA	TUBE ASM	
005.0	54414388	1.0	EA	ROCKER CAM/STROKING ASM	**See Page 178**
006.0	54413661	4.0	EA	PIN,DOWEL	
007.0	52155116	1.0	EA	MTG FLG	

54414370 BARREL/HOLDOWN SHAFT ASM

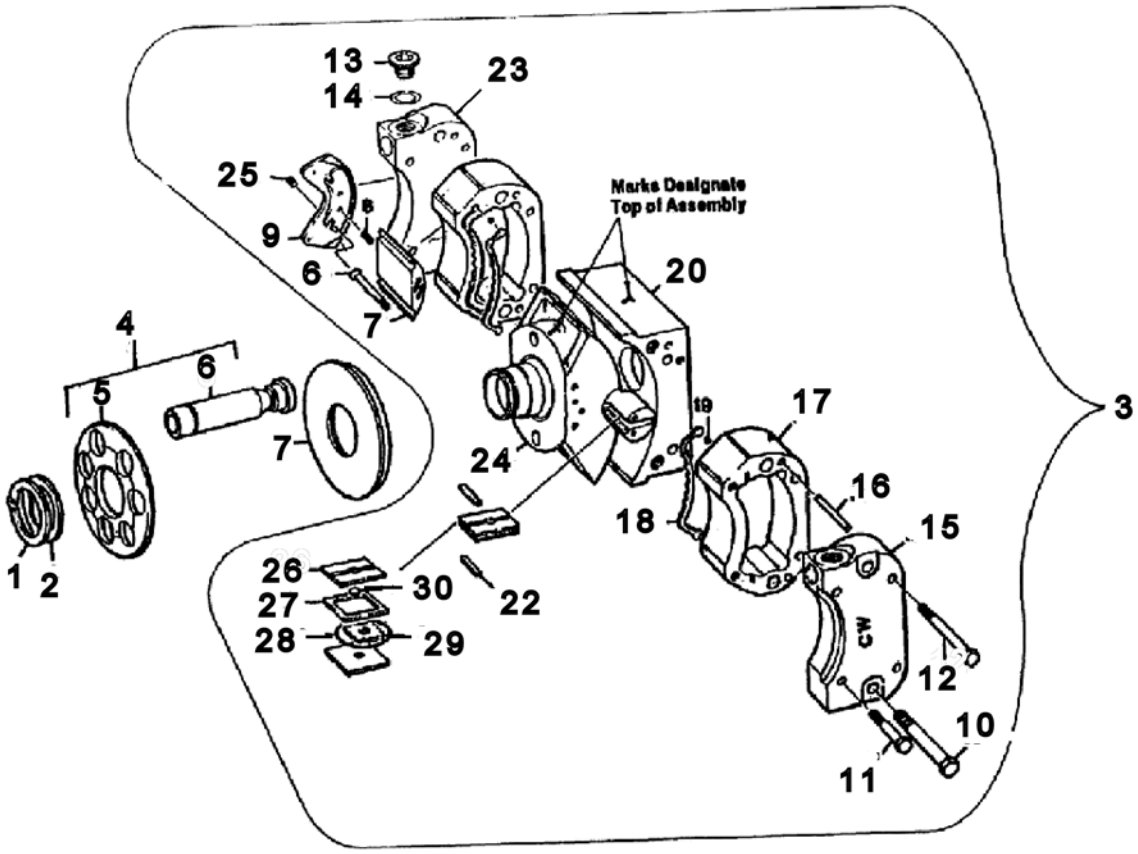


BOM 54414370

54414370 BARREL/HOLDOWN SHAFT ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52201696	1.0	EA	BARRL/SLEEVE	
002.0	52155819	1.0	EA	SHAFT	
003.0	52155892	1.0	EA	WASHER	
004.0	54408273	1.0	EA	SPRING	
005.0	52155835	2.0	EA	RETAINER	
006.0	52155843	1.0	EA	RING,RETAINING	

54414388 ROCKER CAM/STROKING ASM

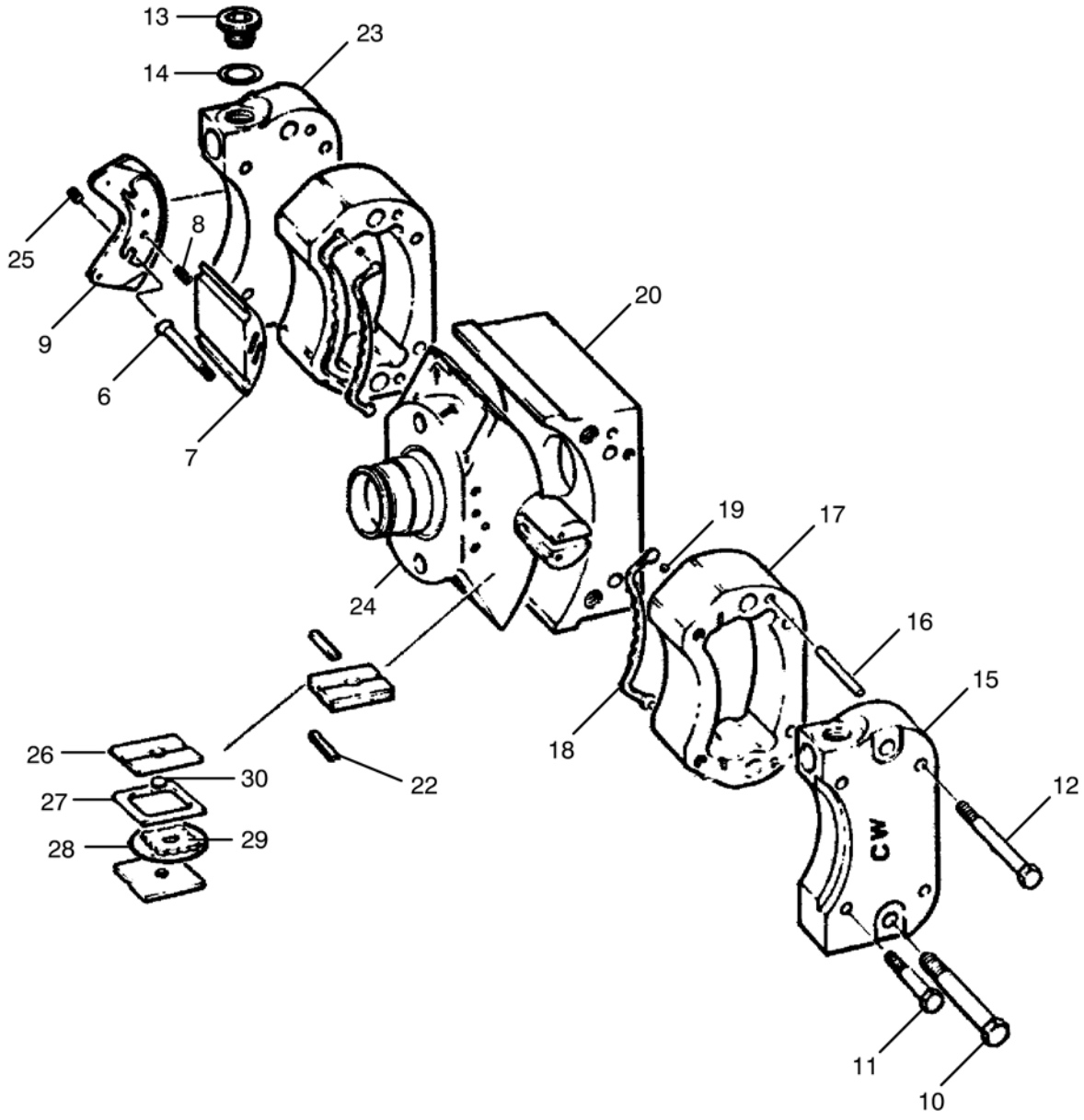


BOM 54414388

54414388 ROCKER CAM/STROKING ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54414735	1.0	EA	RETAINING RING GROUP	**See Page 180**
002.0	52204856	1.0	EA	WASHER,THRUST	
003.0	54416458	1.0	EA	ROCKER CAM ASSY	**See Page 182**
004.0	54413646	1.0	EA	RETAINER PISTON & SHOE	
005.0	52204880	1.0	EA	KIT,RETAINER PISTON/SHOE	
006.0	54413653	1.0	EA	PISTON & SHOE	
007.0	52203668	1.0	EA	PLATE,CREEP	

54414735 RETAINING RING GROUP



C54414388 REV 000

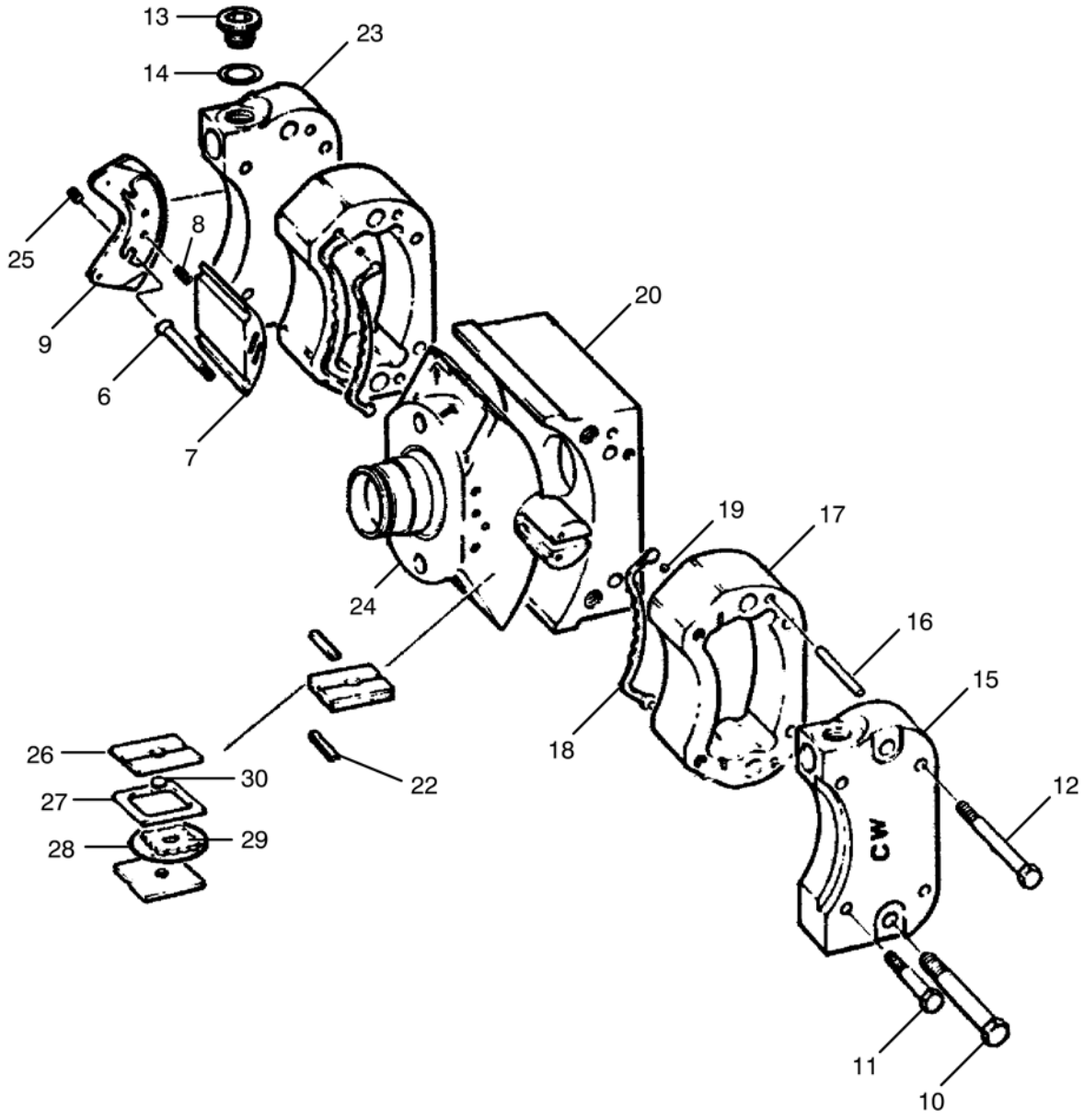
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 54414735

54414735 RETAINING RING GROUP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52204872	1.0	EA	RING,RETAINING	
002.0	52204864	1.0	EA	RING,RETAINING	
003.0	52155140	1.0	EA	RING,RETAINING	
004.0	52155157	1.0	EA	RING,RETAINING	
005.0	52155165	1.0	EA	RING,RETAINING	

54416458 ROCKER CAM ASSY



C54414388 REV 000

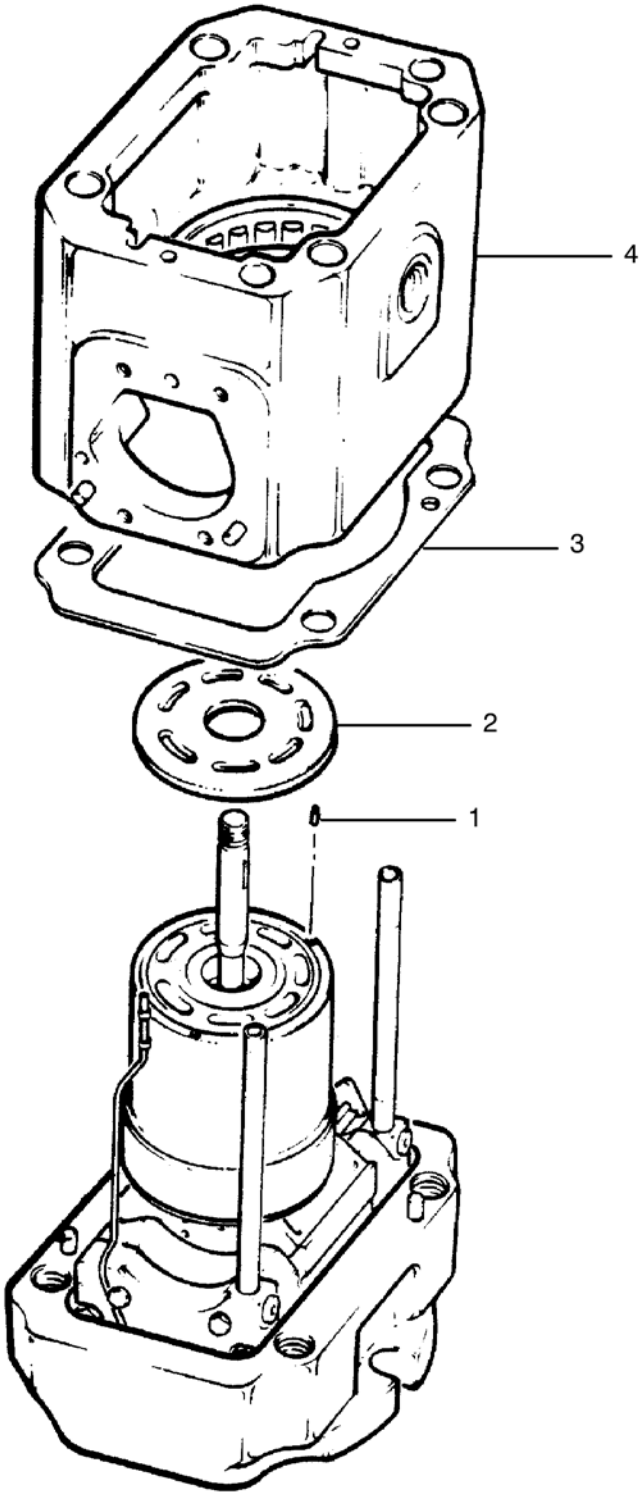
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 54416458

54416458 ROCKER CAM ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
006.0	57240749	2.0	EA	SCREW, MOTOR	
007.0	52201738	1.0	EA	SERVO PLATE	
008.0	52155256	2.0	EA	SCREW	
009.0	57240764	1.0	EA	PLATE, MOTOR	
010.0	54408331	4.0	EA	SCREW	
011.0	54408356	4.0	EA	SCREW	
012.0	54408349	4.0	EA	SCREW	
013.0	52155306	2.0	EA	PLUG	
014.0	52155314	2.0	EA	O-RING	
015.0	52155322	1.0	EA	COVER	
016.0	52155348	4.0	EA	PIN	
017.0	54408364	2.0	EA	CONTROL CHAMBER	
018.0	52155363	2.0	EA	SEAL	
019.0	52155371	4.0	EA	BALL	
020.0	52203718	1.0	EA	CRADLE	
022.0	57181307	4.0	EA	HOLD DOWN-VANE	
023.0	52155330	1.0	EA	COVER,CONTROL	
024.0	54408406	1.0	EA	ROCKER AND PLUG	
025.0	57240756	2.0	EA	SCREW, SET	
026.0	54408372	4.0	EA	PLATE,SEAL VANE	
027.0	54408380	2.0	EA	SEAL VANE	
028.0	52203767	2.0	EA	O-RING	
029.0	54408398	2.0	EA	SPACER,VANE	
030.0	57150617	2.0	EA	CHECK VALVE	

54414396 HOUSING/FACE PLATE ASSY



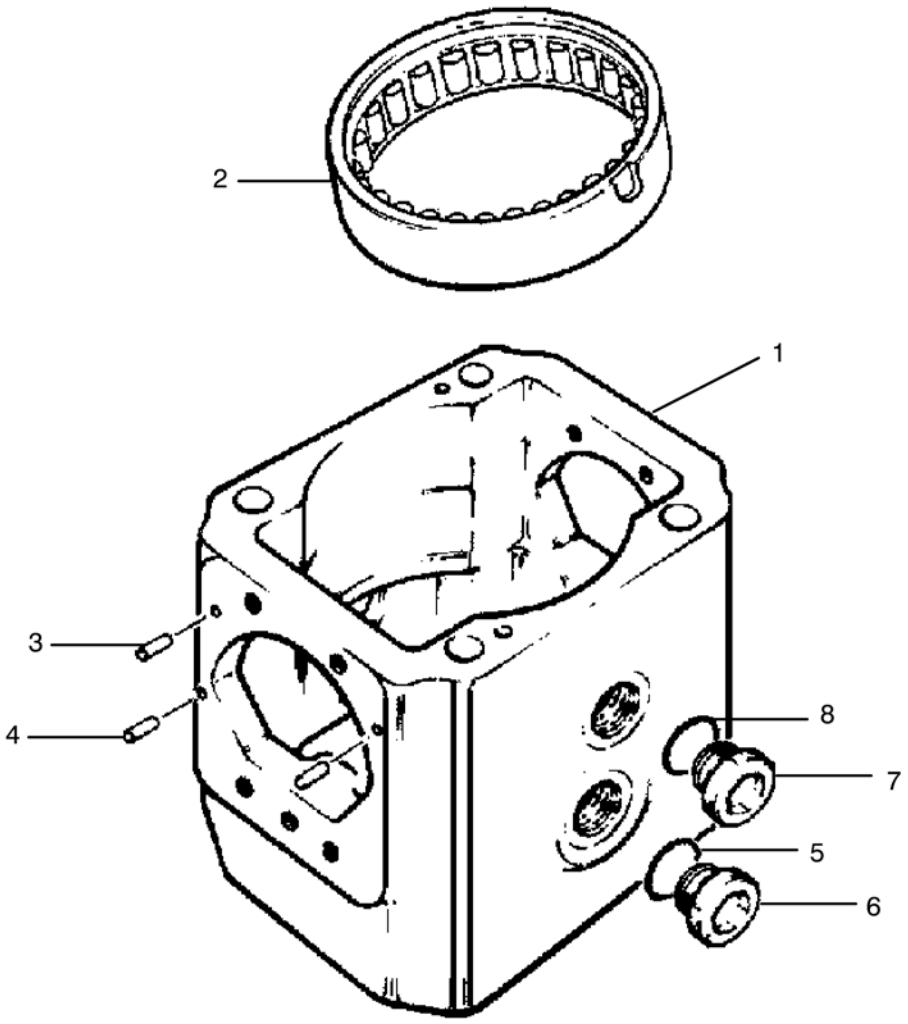
C54414396 REV 000

BOM 54414396

54414396 HOUSING/FACE PLATE ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50817089	3.0	EA	PINS	
002.0	52201712	1.0	EA	FACEPLATE, BARREL-13/32	
003.0	52155033	1.0	EA	GASKET,HOUSING	
004.0	52204765	1.0	EA	HOUSE,ASM	**See Page 186**

52204765 HOUSE,ASM

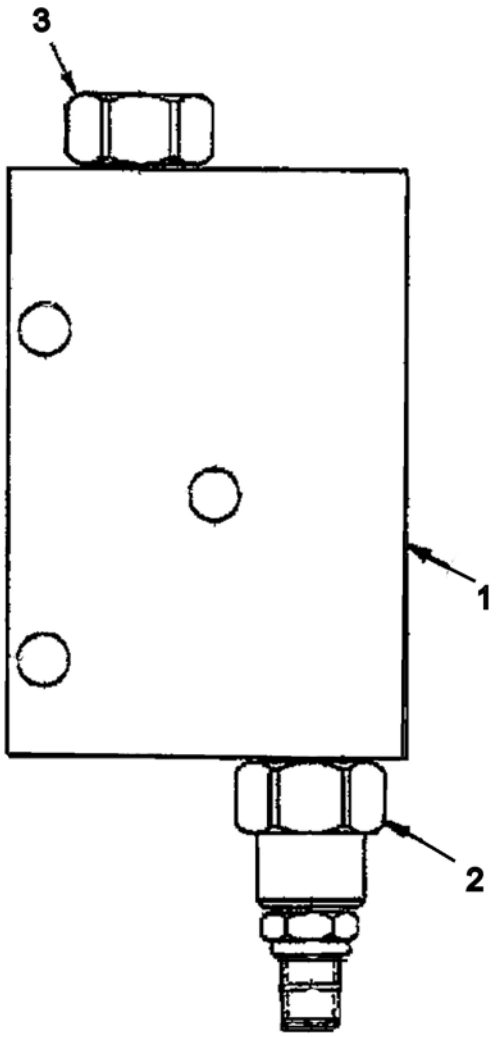


BOM 52204765

52204765 HOUSE,ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57416935	1.0	EA	HOUSING ASSY	
002.0	52155041	1.0	EA	BEARING	
003.0	52155017	2.0	EA	PIN,ROLL	
004.0	52155025	4.0	EA	PIN	
005.0	52154994	1.0	EA	O-RING	
006.0	54408059	1.0	EA	PLUG	
007.0	54408133	1.0	EA	RETAINER,BEARING	
008.0	57416950	1.0	EA	O RING	

57167298 VALVE, MOTOR CONTROL

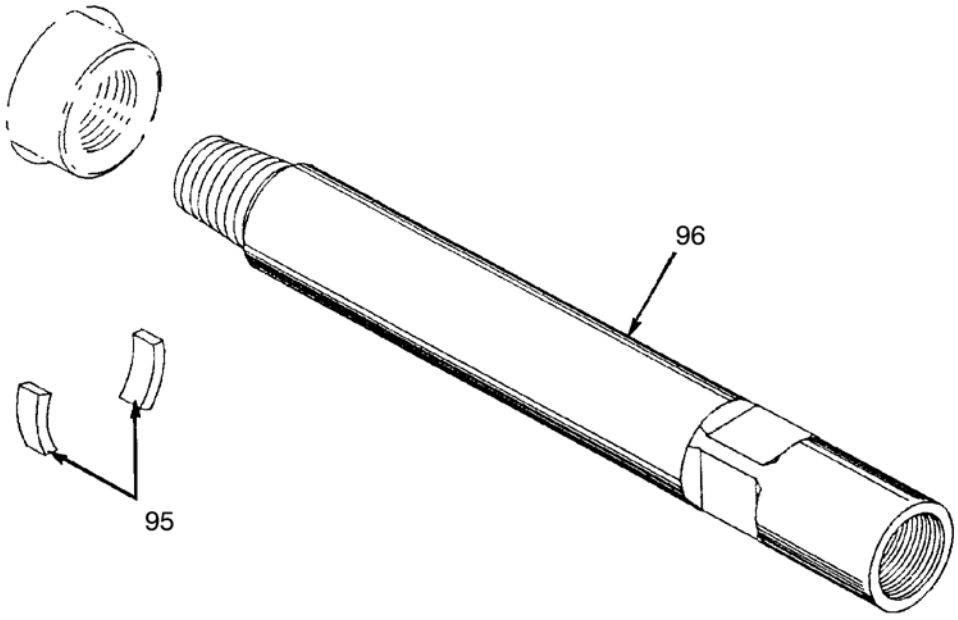


BOM 57167298

57167298 VALVE, MOTOR CONTROL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	56263247	1.0	EA	VALVE, SHUTTLE	
-	59476705	1.0	EA	- SEAL KIT	
002.1	56263239	1.0	EA	VALVE,REDUCING/RELIEVING	
003.0	95018065	3.0	EA	O-RING	

57518177 SUBSPINDLE-5.25BECO,29LG

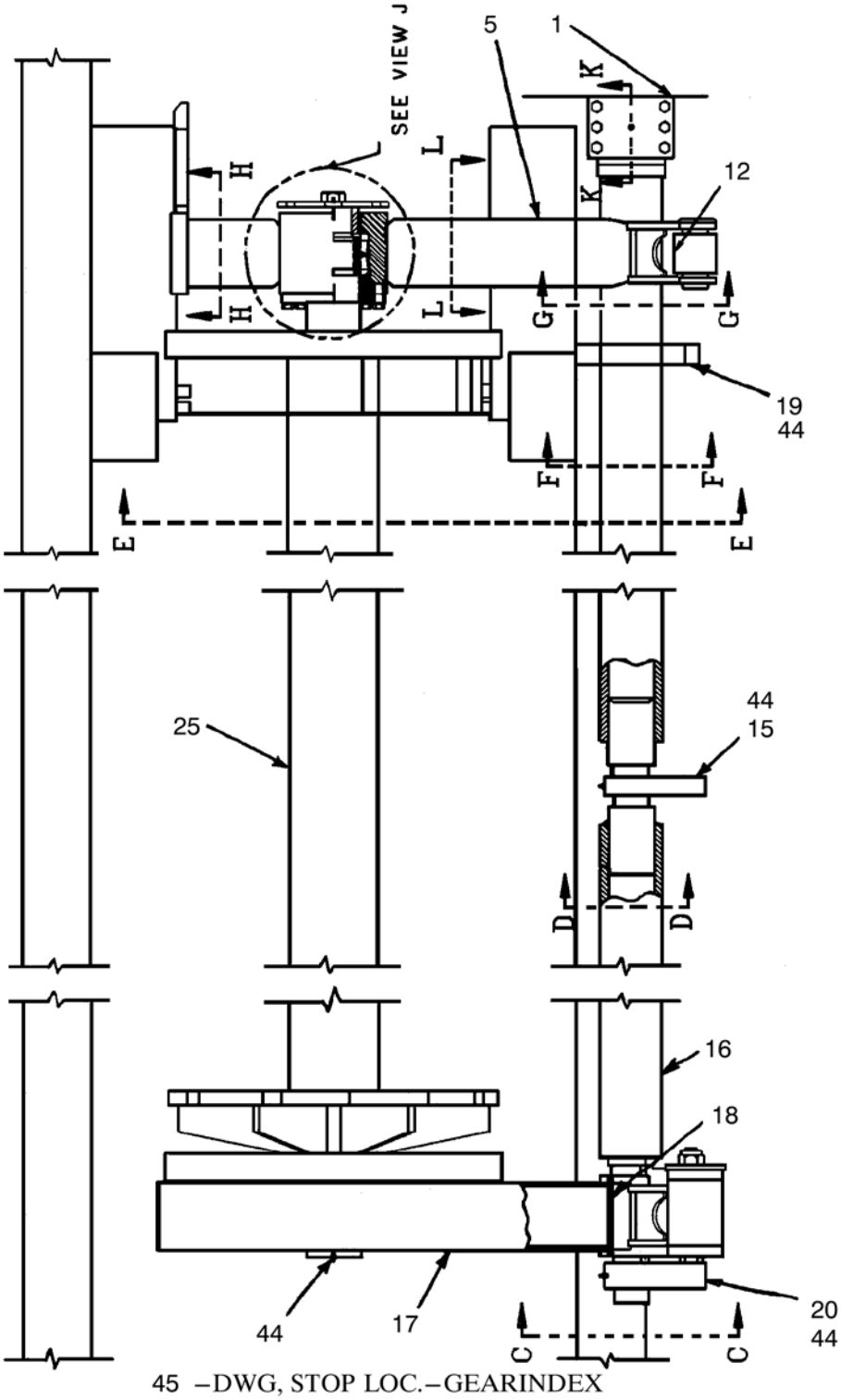


BOM 57518177

57518177 SUBSPINDLE-5.25BECO,29LG

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
095.0	50628007	2.0	EA	LOCK,SPINDLE	
096.0	56268527	1.0	EA	ADAPTER,SPINDLE-5.25BECO	

57594673 ROD CHANGER ASM,35'758

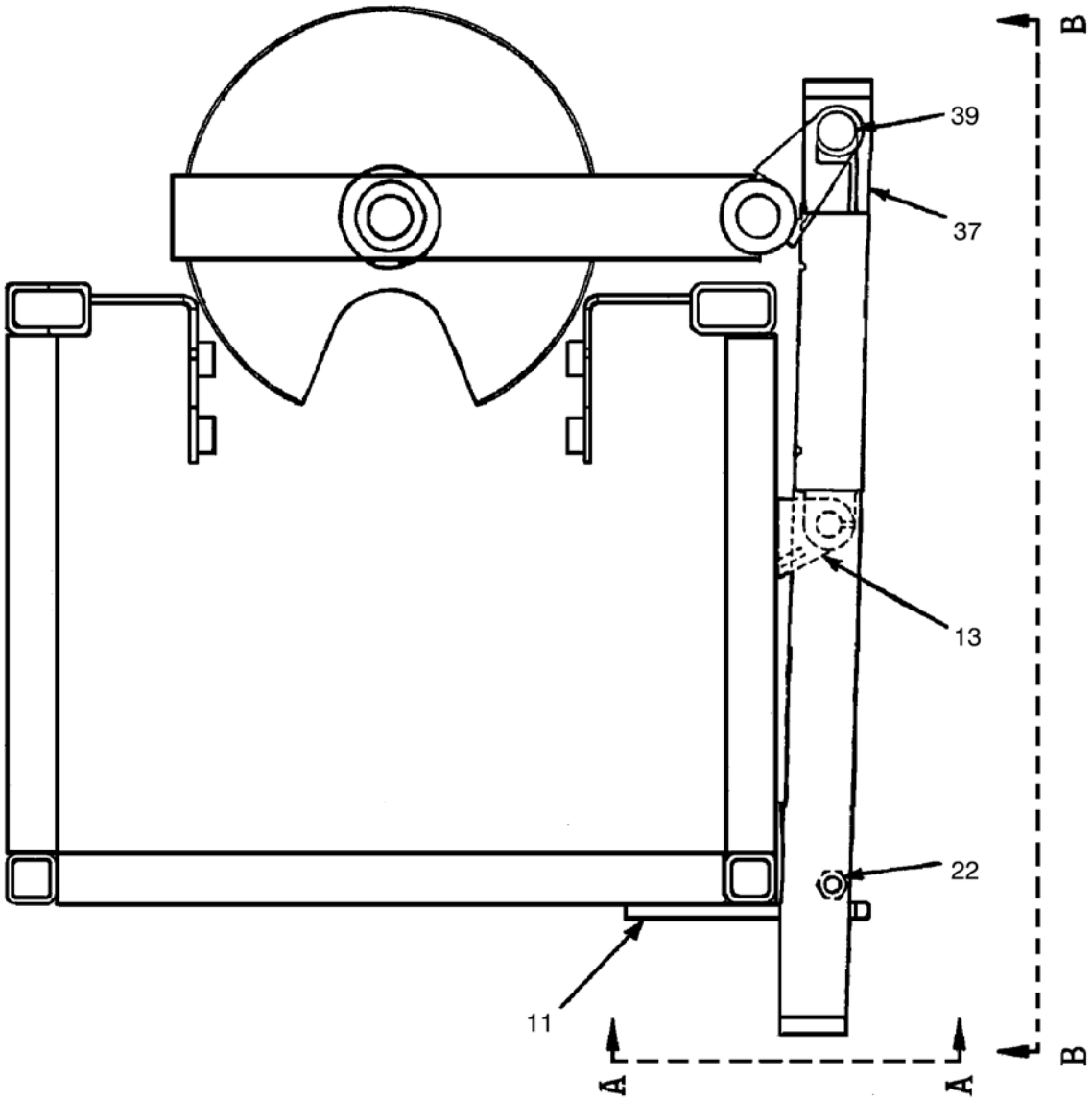


45 –DWG, STOP LOC.–GEARINDEX

TB2657594665 REV 005

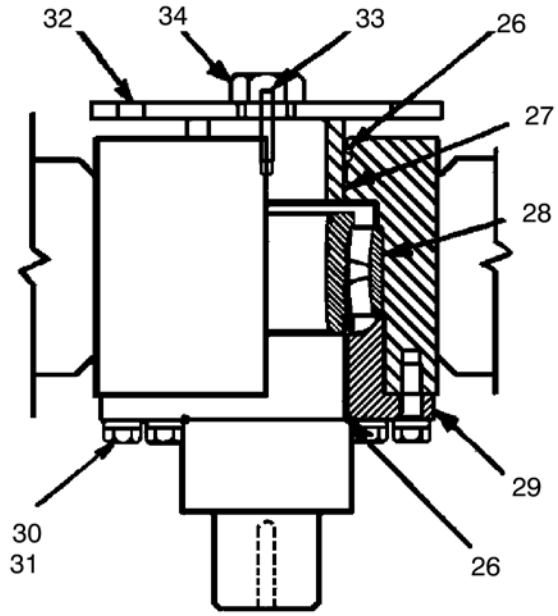
BOM 57594673

57594673 ROD CHANGER ASM,35'758

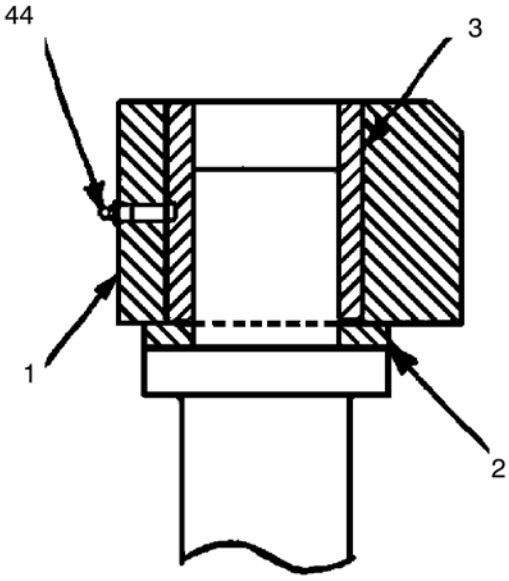


TB2657594665 REV 005

57594673 ROD CHANGER ASM,35'758



VIEW J

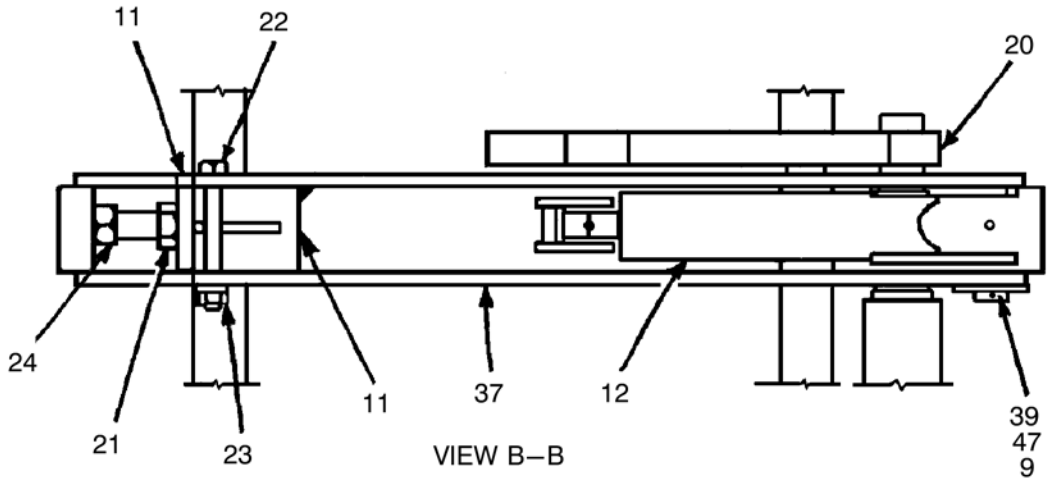


SECTION K–K

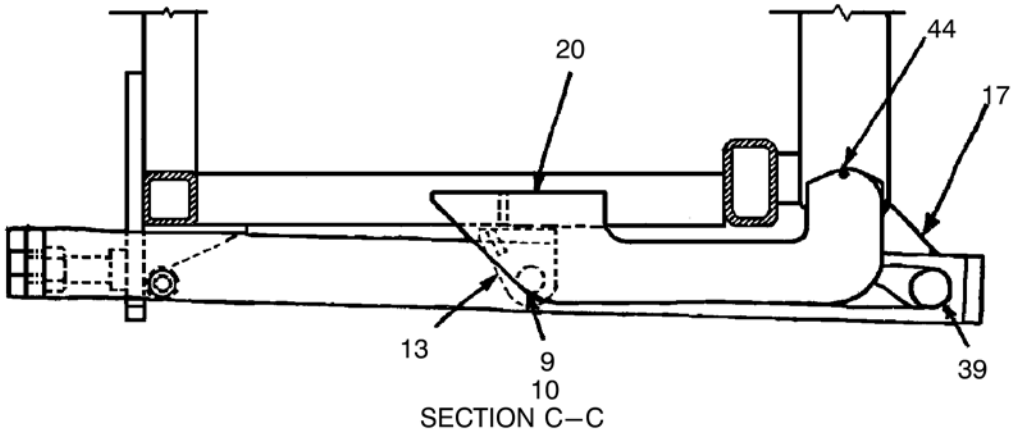
TB2657594665 REV 005

BOM 57594673

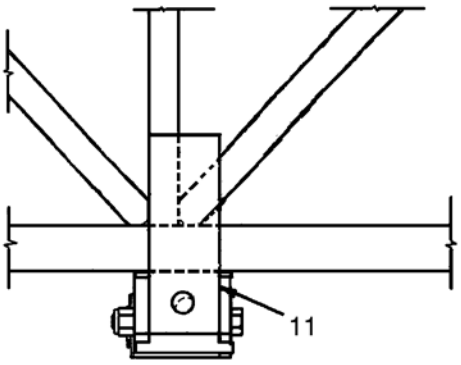
57594673 ROD CHANGER ASM,35'758



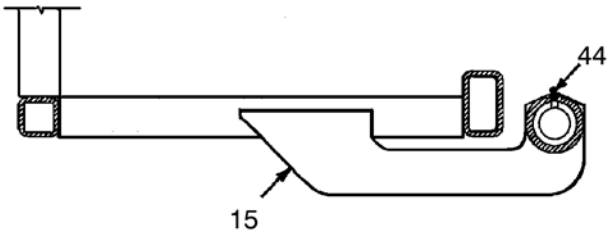
VIEW B–B



SECTION C–C



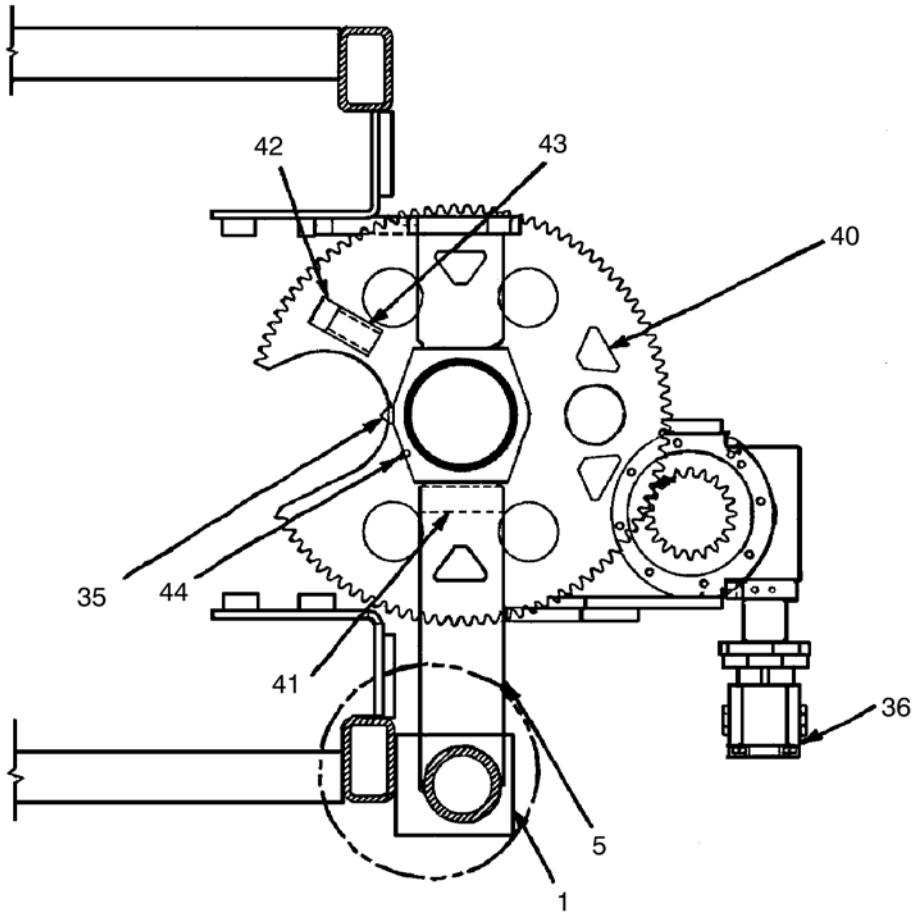
VIEW A–A



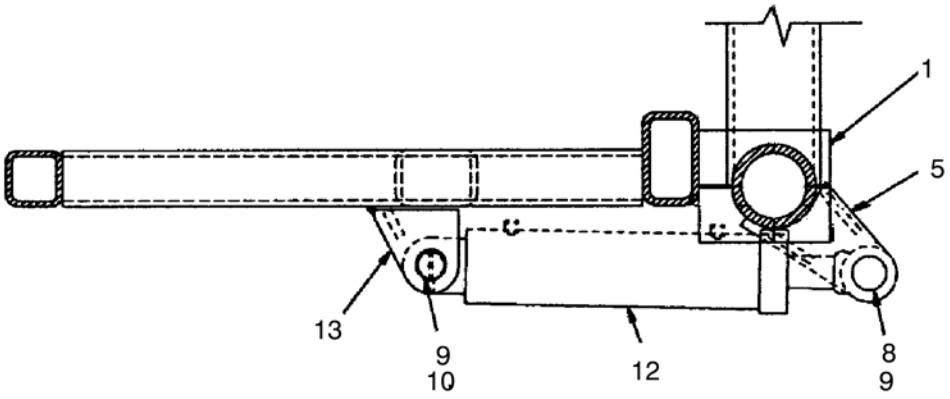
SECTION D–D

TB2657594665 REV 005

57594673 ROD CHANGER ASM,35'758



SECTION E–E

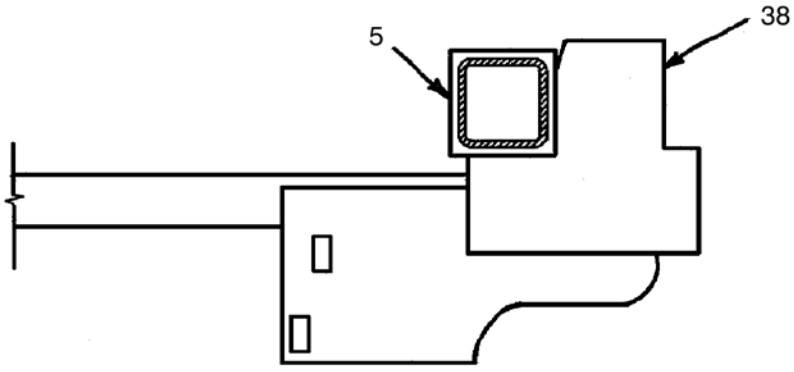


SECTION G–G

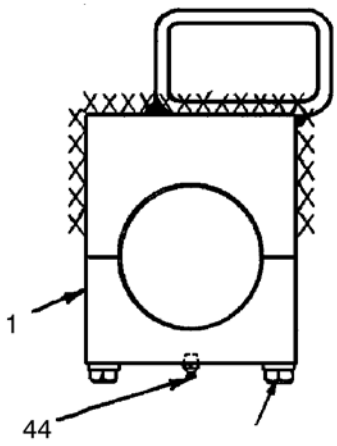
TB2657594665 REV 005

BOM 57594673

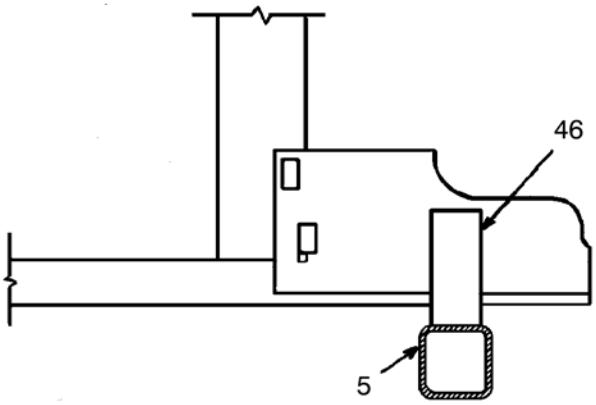
57594673 ROD CHANGER ASM,35'758



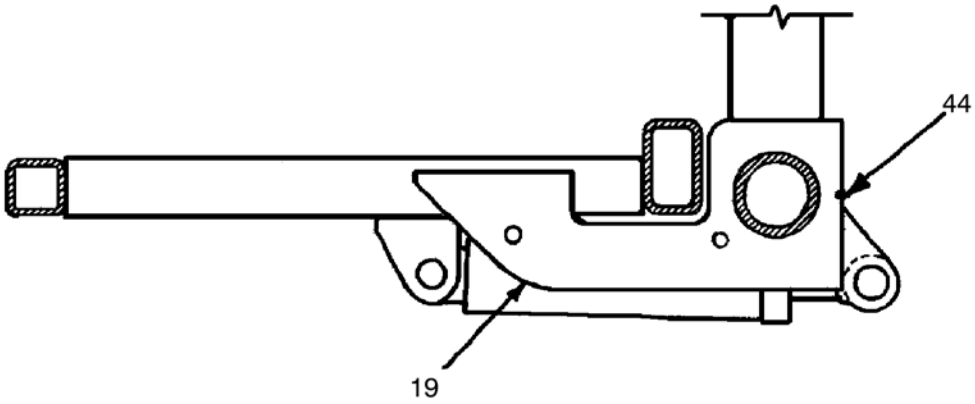
SECTION H–H



DETAIL M



SECTION L–L



SECTION F–F

TB2657594665 REV 005

BOM 57594673

57594673 ROD CHANGER ASM,35'758

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57594525	1.0	EA	BLOCK,PIVOT,SPLIT/RC	
-	95934733	6.0	EA	- WASHER,LOCK	
-	95919676	6.0	EA	- CAPSCREW/35A2A233Z1HR	
002.0	57267577	1.0	EA	WASHER	
003.0	57267304	1.0	EA	BUSHING	
005.0	57594566	1.0	EA	ARM,LOWER,ASSEMBLY	**See Page 200**
008.0	57406068	1.0	EA	PIN-CYLINDER, RODCHANGER	
009.0	95210852	4.0	EA	PIN, COTTER	
010.0	57268112	2.0	EA	PIN,CYLINDER	
011.0	57550014	1.0	EA	CAP ASSY	
012.0	57199093	2.0	EA	CYLINDER,HYDRAULIC	**See Page 202**
013.0	57406050	2.0	EA	BRACKET,SWING CYLINDER	
-	57406043	2.0	EA	- PLATE-BRACKET SWING CYL	
014.0	57405979	1.0	EA	SUPPORT,SHAFT-MIDDLE	
015.0	57405961	1.0	EA	SUPPORT MIDDLE-ROD CHNG	
-	95309829	2.0	EA	- CAPSCREW,FLANGED 12 PT	
-	95939948	2.0	EA	- WASHER,LOCK,HELICAL SPRG	
016.0	57406845	1.0	EA	SHAFT, PIPE ASSY	
-	57037350	1.0	EA	- SHAFT	
-	57406118	1.0	EA	- TUBE,RND,4.5ODX3.5IDX226	
017.0	57552044	1.0	EA	ASSEMBLY, UPPER ARM	
-	57552077	1.0	EA	- ARM, UPPER	
-	57550006	1.0	EA	- CLEVIS ASSEMBLY	
-	50691609	3.0	EA	- SUPPORT	
018.0	95308573	1.0	EA	KEY,SQUARE	
019.0	57405953	1.0	EA	SUPPORT LOWER-ROD CHNGR	
-	95104741	2.0	EA	- CAPSCREW	
-	95934691	2.0	EA	- WASHER,LOCK,HELICAL	
020.0	57405946	1.0	EA	SUPPORT UPPER- ROD CHNGR	**See Page 206**
021.0	95994471	1.0	EA	SCREW,CAP,HEX	
022.0	95403036	1.0	EA	CAPSCREW	
023.0	95077244	1.0	EA	NUT,HEX STOP	
024.0	95929774	1.0	EA	NUT,HEX	
025.0	57518094	1.0	EA	HOLDER ASSY-7.63 PIPE,35	**See Page 208**
026.0	95018271	2.0	EA	O-RING	
027.0	50248426	1.0	EA	SPACER	
028.0	50243518	1.0	EA	BEARING ASSY	
029.0	50248368	1.0	EA	RETAINER, BEARING	
030.0	95919569	8.0	EA	CAPSCREW	
031.0	95934733	8.0	EA	WASHER,LOCK	
032.0	57339897	1.0	EA	INDICATOR,CARROUSEL-4ROD	

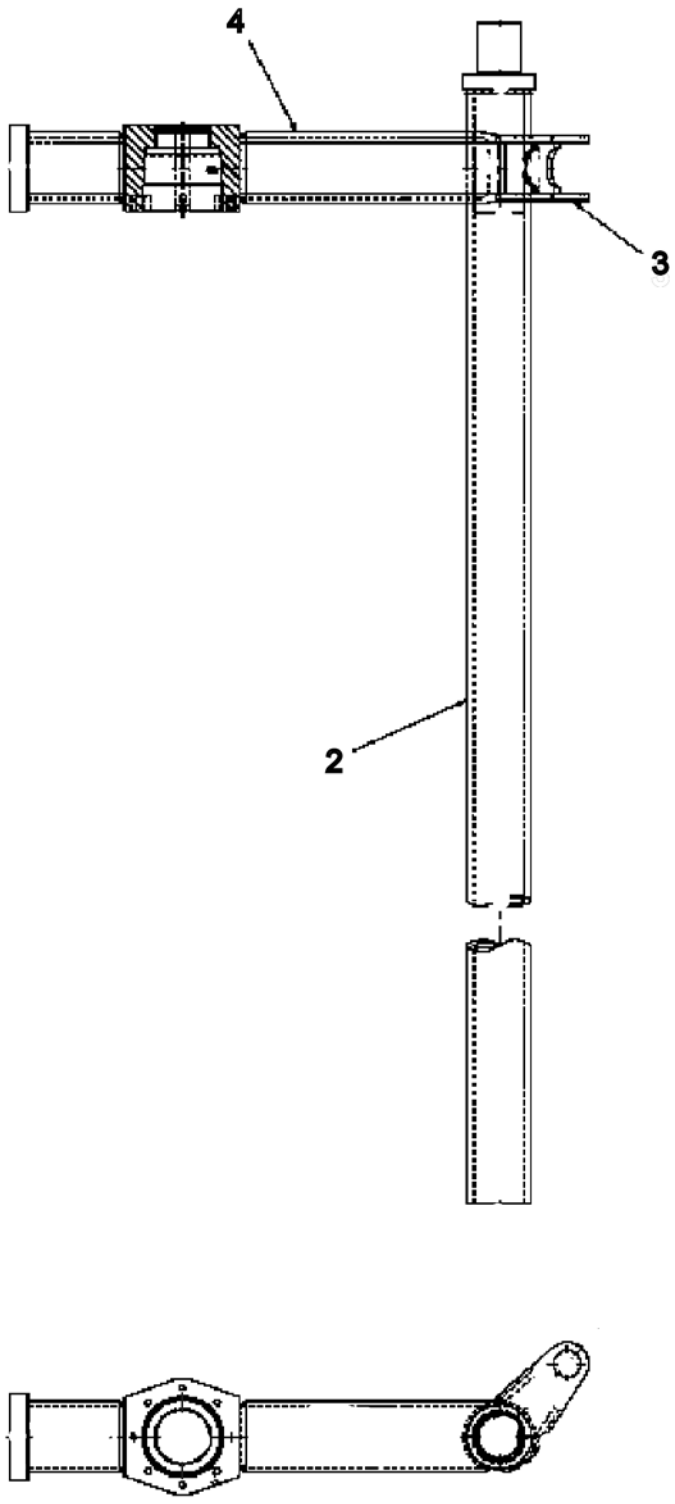
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57594673

57594673 ROD CHANGER ASM,35'758

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
033.0	95213310	1.0	EA	PIN,ROLL	
034.0	95943726	1.0	EA	CAPSCREW,HEX	
035.0	57342719	1.0	EA	POINTER	
036.0	57574113	1.0	EA	MOTOR/GEARBOX,MIDR.ASM	**See Page 210**
037.0	57550022	1.0	EA	LINK ASSY	
038.0	57550030	1.0	EA	STOP,LOWER CAROUSEL	
039.0	57550055	1.0	EA	PIN,CYLINDER MOUNT	
040.0	57562696	3.0	EA	STOP-RODCUP,7.63 PIPE	
041.0	57209306	1.0	EA	STOP BLOCK, BULL GEAR	
042.0	57209314	1.0	EA	STOP BLOCK, BULL GEAR	
043.0	57106536	1.0	EA	BAR,FLAT	
044.0	95201547	11.0	EA	FITTING,LUBE	
045.0	57368102	1.0	EA	DWG, STOP LOC.-GEARINDEX	
046.0	57412439	1.0	EA	BAR FLAT, 1X3.50X8.00	
047.0	95429221	1.0	EA	WASHER,FLAT	

57594566 ARM,LOWER,ASSEMBLY



D2657594566 REV 002

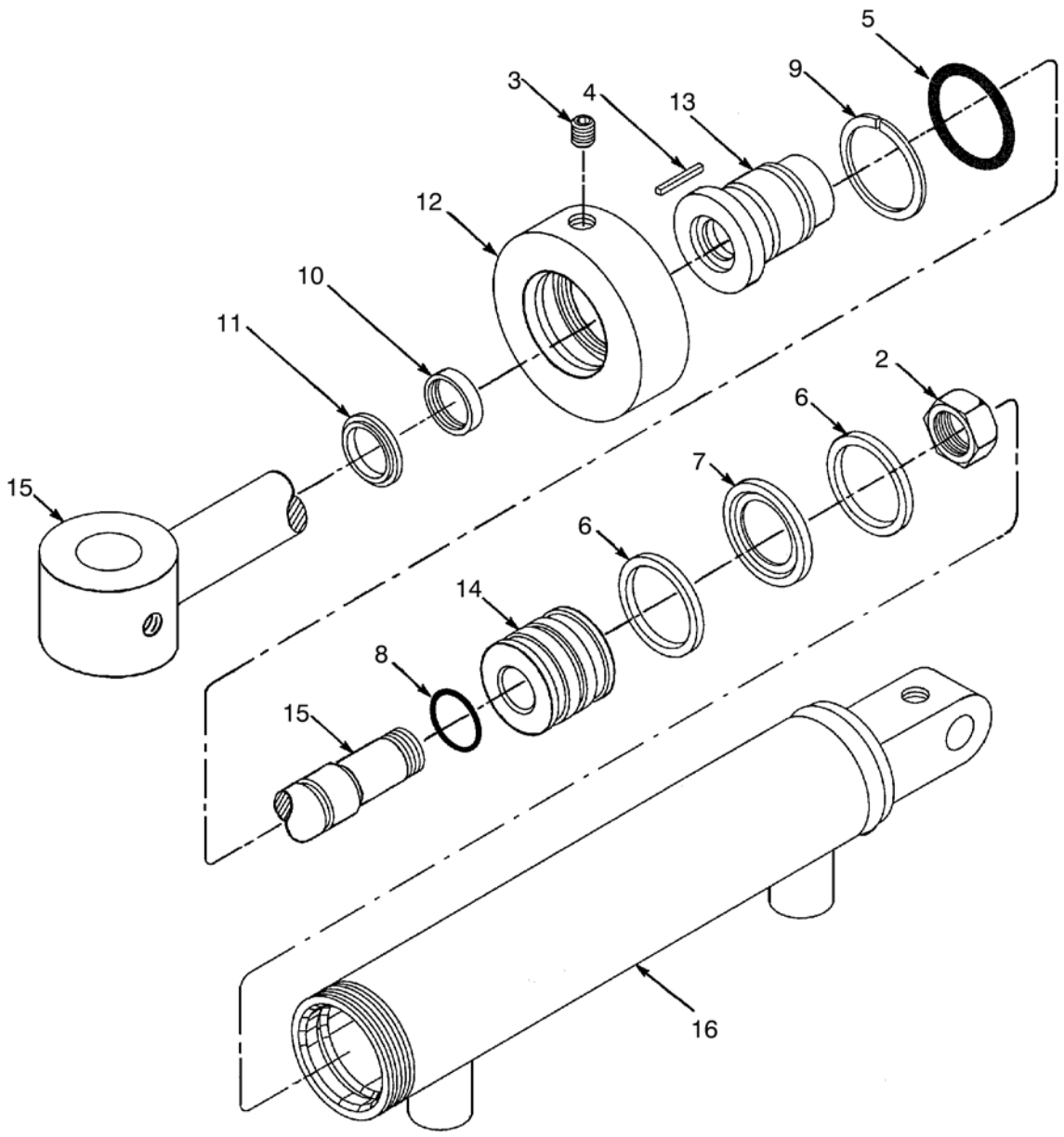
BOM 57594566

57594566 ARM,LOWER,ASSEMBLY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57594541	1.0	EA	SHAFT,ROD CHANGER,LOWER	
003.0	57550006	1.0	EA	CLEVIS ASSEMBLY	
004.0	57594533	1.0	EA	ARM,LOWER,FABRICATION	

57199093 CYLINDER,HYDRAULIC

1 –SEAL KIT (NOT SHOWN)



TB2657199093 REV 004

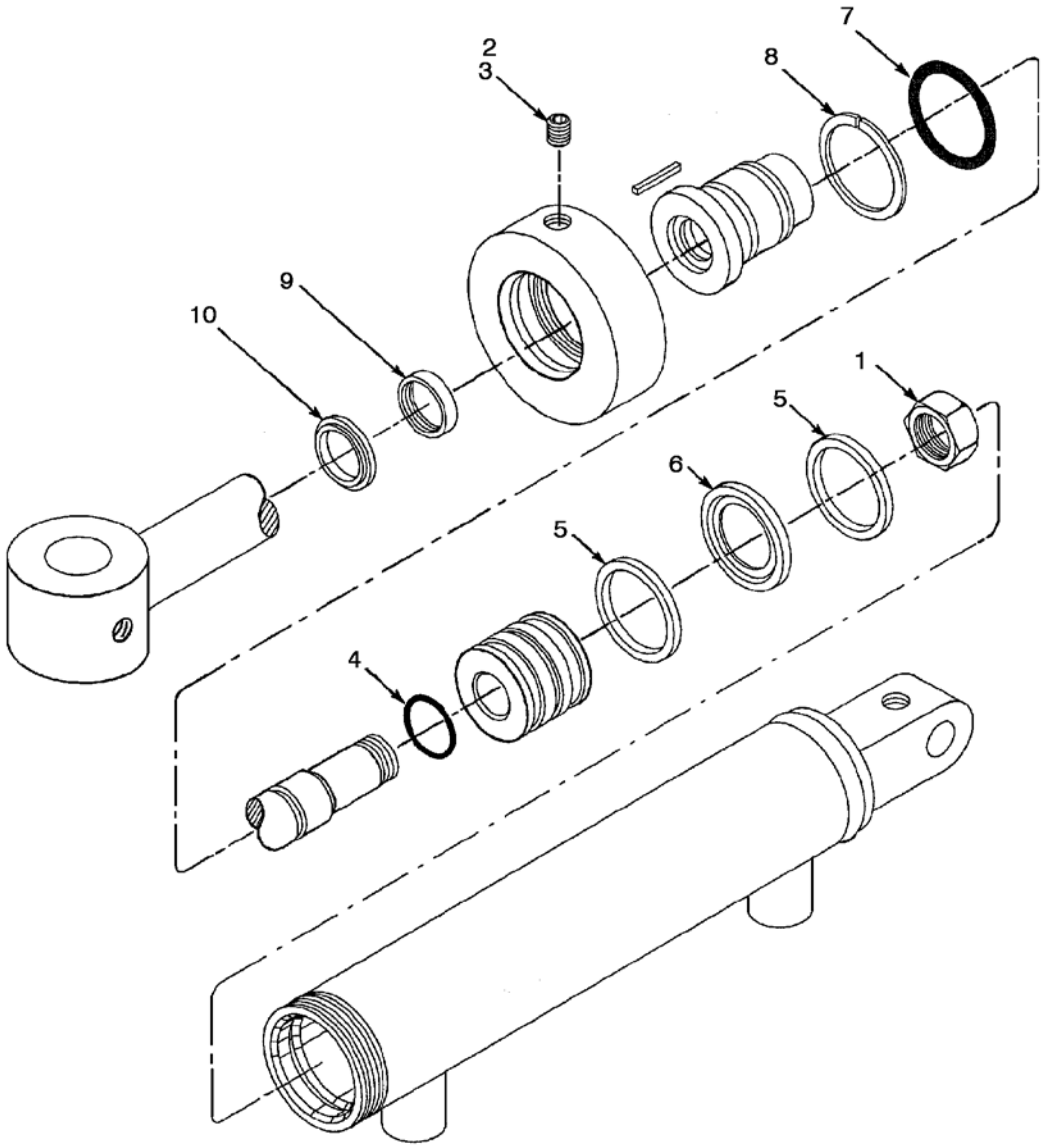
BOM 57199093

57199093 CYLINDER,HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57242547	0.0	EA	SEAL KIT	**See Page 204**
002.0	57242554	1.0	EA	LOCKNUT	
003.0	57012684	3.0	EA	SCREW, SET	
004.0	57012676	3.0	EA	PLUG, NYLON	
005.0	57242562	1.0	EA	O-RING	
006.0	57242570	2.0	EA	RING, CAST IRON	
007.0	57242588	1.0	EA	DISC 25	
008.0	57224081	1.0	EA	O-RING	
009.0	57224099	1.0	EA	RING, BACK-UP	
010.0	57326811	1.0	EA	U-CUP	
011.1	57224123	1.0	EA	WIPER	
012.0	57242596	1.0	EA	HEADCAP	
013.0	57242604	1.0	EA	HEAD	
014.0	57242612	1.0	EA	PISTON	
015.0	57242638	1.0	EA	ROD ASSY	
016.0	57242620	1.0	EA	TUBE ASSY	

57242547 SEAL KIT

1 –SEAL KIT (NOT SHOWN)

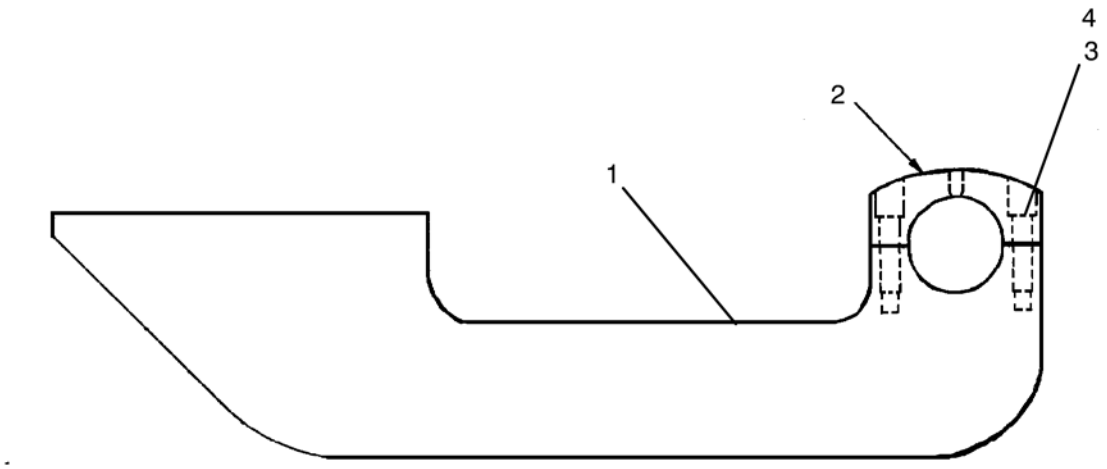


BOM 57242547

57242547 SEAL KIT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	56944465	1.0	EA	LOCKNUT	
002.0	57012684	3.0	EA	SCREW, SET	
003.0	57012676	3.0	EA	PLUG, NYLON	
004.0	57242562	1.0	EA	O-RING	
005.0	57823437	2.0	EA	CAST IRON RING	
006.0	57242588	1.0	EA	DISC 25	
007.0	57224081	1.0	EA	O-RING	
008.0	57224099	1.0	EA	RING, BACK-UP	
009.0	57326811	1.0	EA	U-CUP	
010.0	57224123	1.0	EA	WIPER	

57405946 SUPPORT UPPER- ROD CHNGR



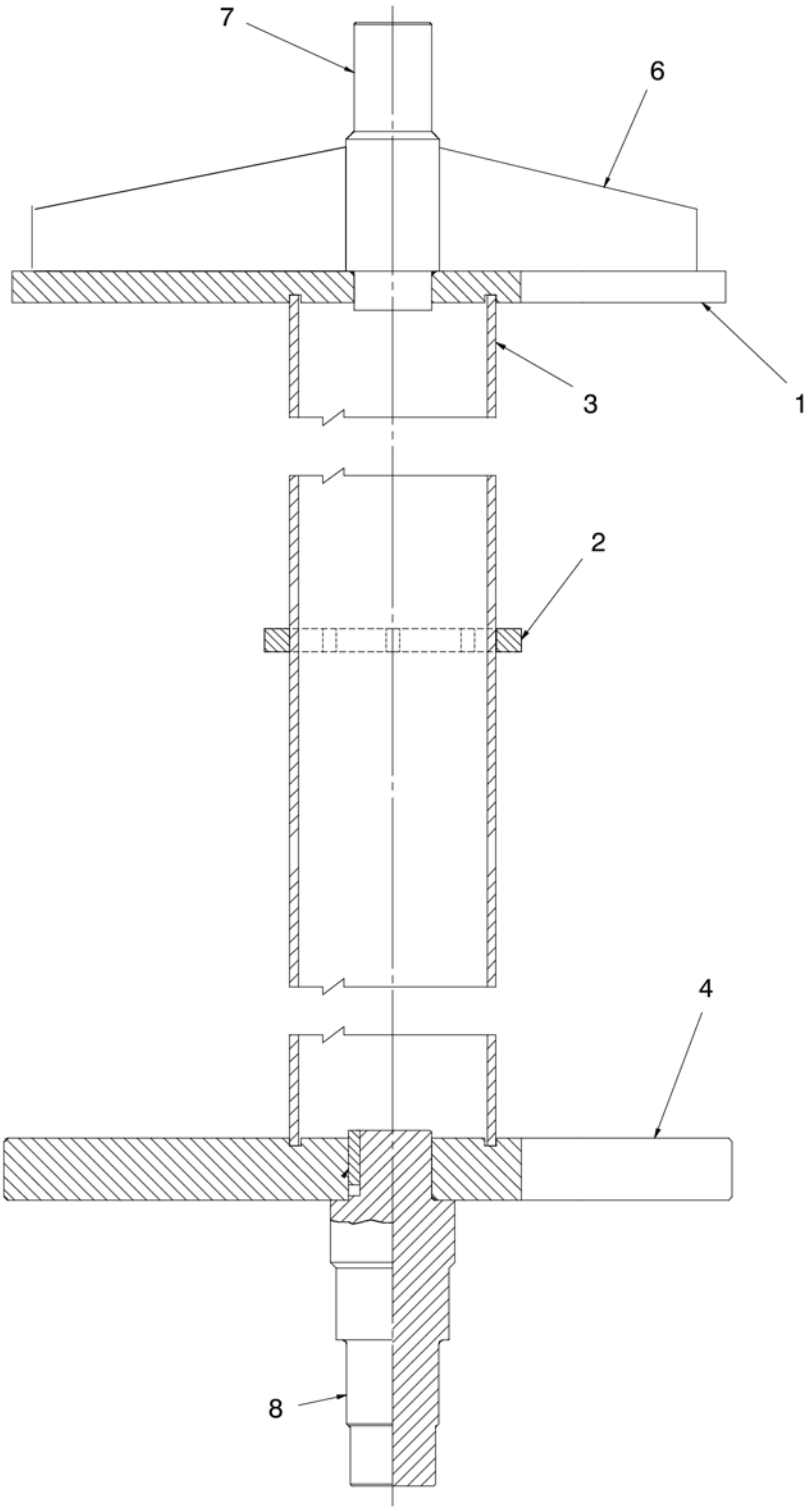
D2657405946 REV 003

BOM 57405946

57405946 SUPPORT UPPER- ROD CHNGR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57406019	1.0	EA	CAP REPLACEMENT	
003.0	95309829	4.0	EA	CAPSCREW,FLANGED 12 PT	
004.0	95939948	4.0	EA	WASHER,LOCK,HELICAL SPRG	

57518094 HOLDER ASSY-7.63 PIPE,35



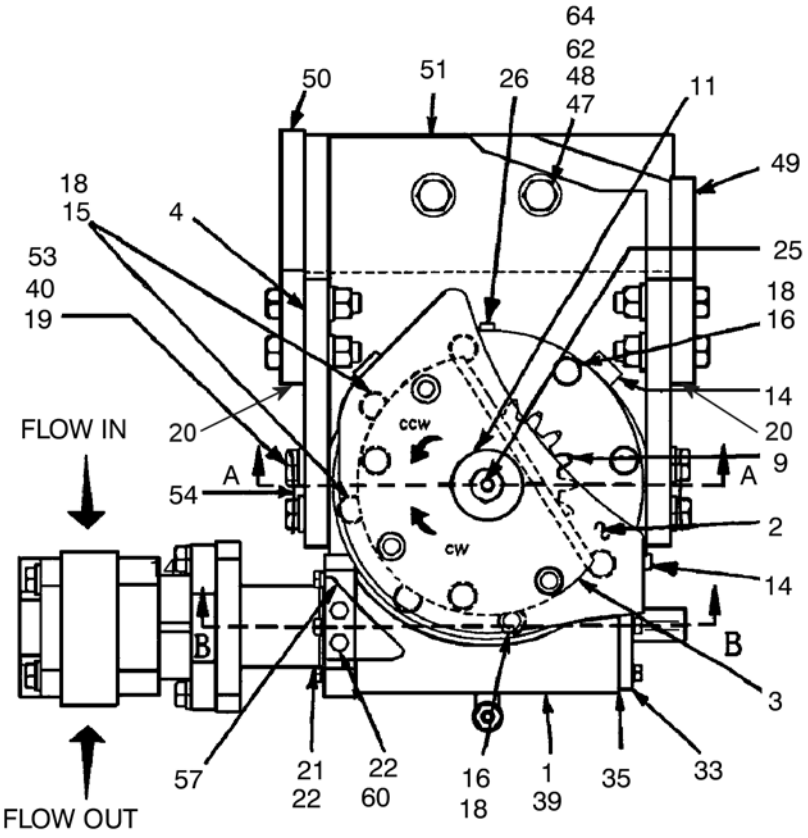
TB2657518094 REV 006

BOM 57518094

57518094 HOLDER ASSY-7.63 PIPE,35

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57224859	1.0	EA	HOLDER, UPPER, 4 EA.7.62	
002.0	57562688	1.0	EA	MOUNTING-RING,MIDADPTER	
003.0	57406852	1.0	EA	PIPE-HOLDER ASSY, RODCHG	
004.0	57223356	1.0	EA	BULL GEAR-4 ROD	
006.0	57371999	5.0	EA	PLATE, GUSSET	
007.0	50248301	1.0	EA	SHAFT,UPPER	
008.0	57426942	1.0	EA	SHAFT-LOWER	

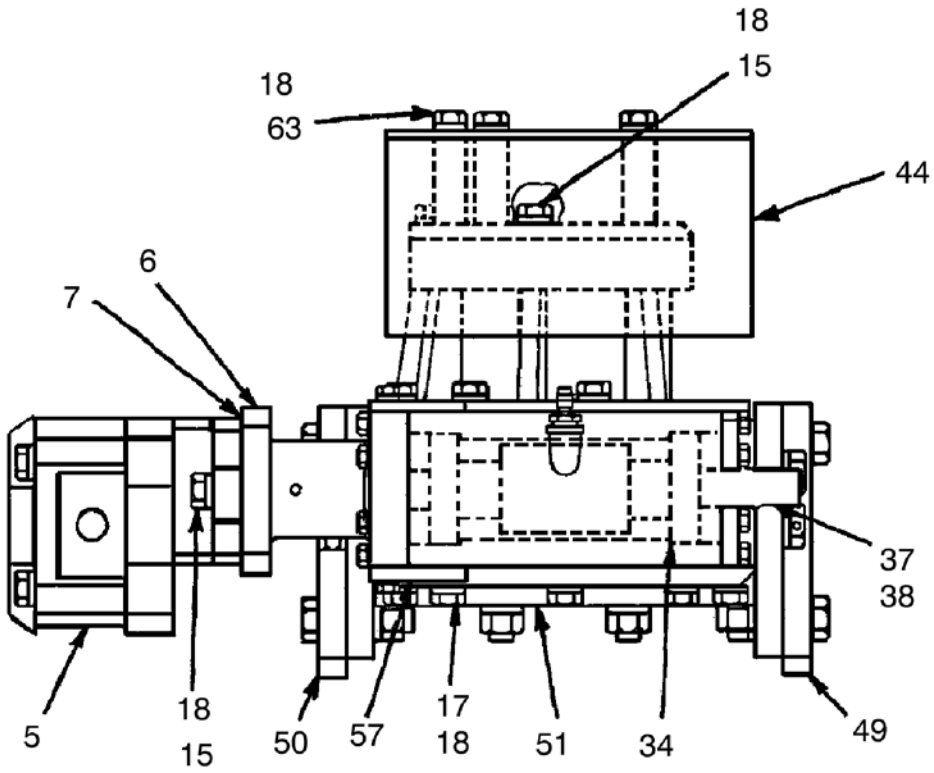
57574113 MOTOR/GEARBOX,MIDR.ASM



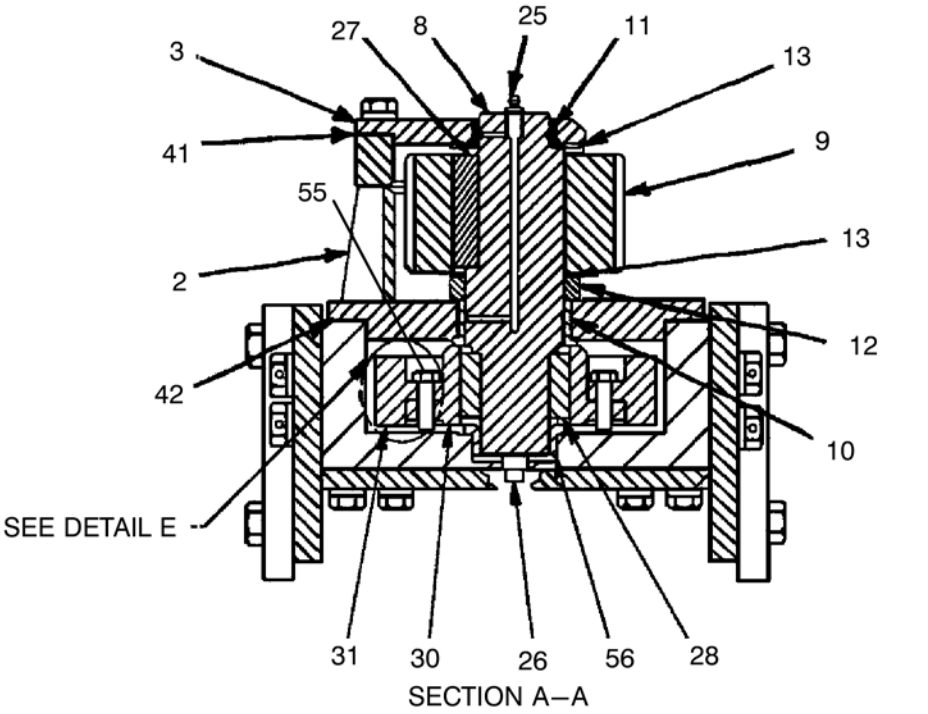
TB2657572984 REV 006

57574113 MOTOR/GEARBOX,MIDR.ASM

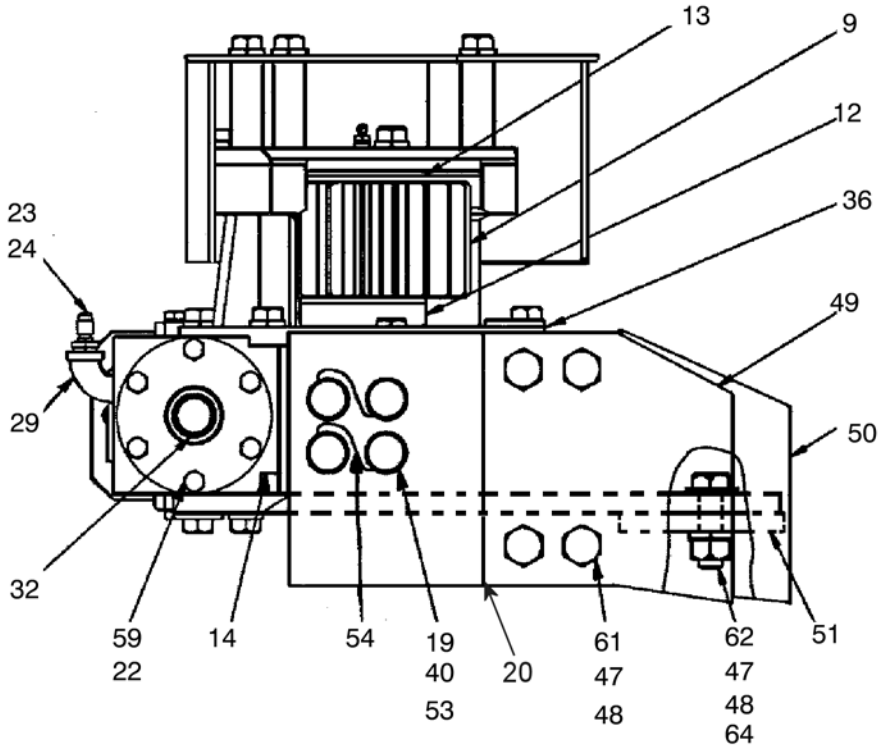
46 –CAPSCREW,HEX HEAD (NOT SHOWN)



57574113 MOTOR/GEARBOX,MIDR.ASM



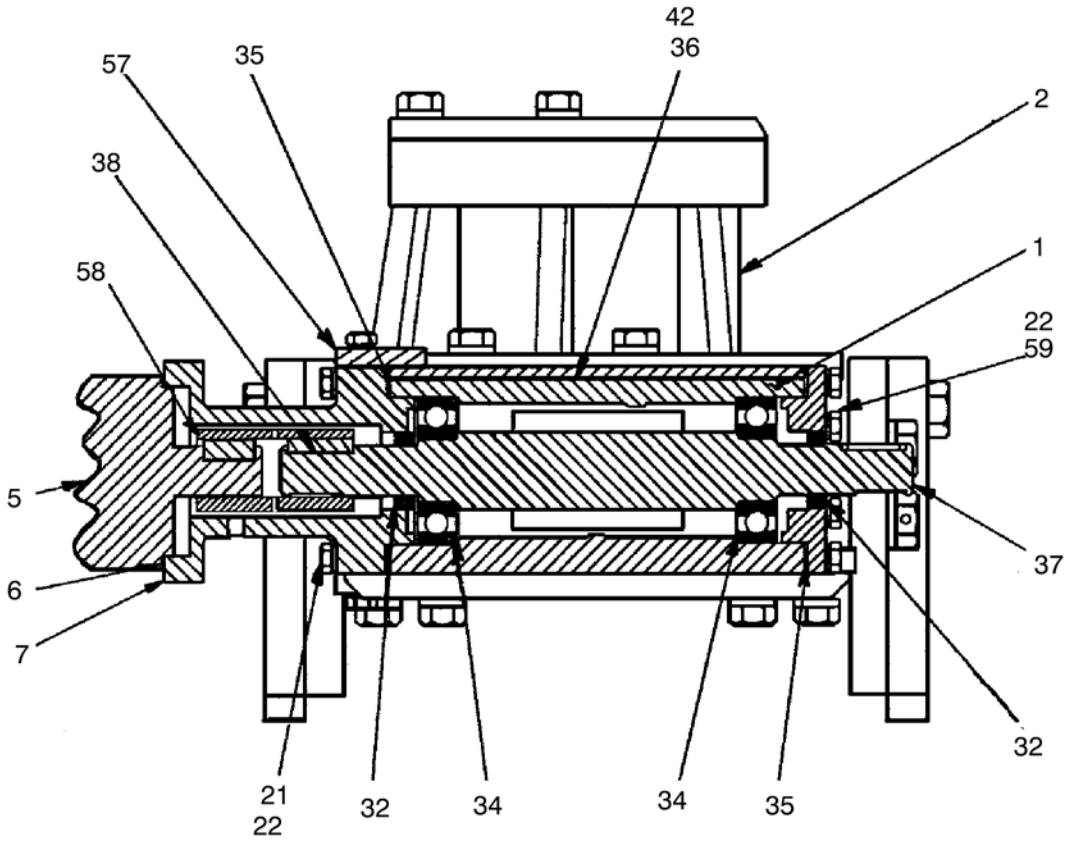
SECTION A–A



TB2657572984 REV 006

BOM 57574113

57574113 MOTOR/GEARBOX,MIDR.ASM



SECTION B–B

TB2657572984 REV 006

BOM 57574113

57574113 MOTOR/GEARBOX,MIDR.ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57054637	1.0	EA	HOUSING,GEAR	
002.0	57590390	1.0	EA	COVER,GEAR BOX	
003.0	57054629	1.0	EA	COVER,TOP	
004.0	57217531	1.0	EA	MOUNT,REMOVE 7 ROD	**See Page 216**
005.0	57154916	1.0	EA	HYD. MOTOR MODIFICATION	
-	57401135	1.0	EA	- MOTOR,HYDRAULIC	
-	57401176	1.0	EA	- SEAL KIT	**See Page 218**
006.0	57632556	1.0	EA	ADAPTER,HYD MOTOR,CAST	
007.0	56953045	1.0	EA	GASKET	
008.0	57570830	1.0	EA	SHAFT	
009.0	52193521	1.0	EA	GEAR,PINION	
010.0	57570780	1.0	EA	BUSHING,INDEX MOTOR	
011.0	57054595	1.0	EA	BUSHING	
012.0	57068991	1.0	EA	SPACER	
013.0	95758595	2.0	EA	BEARING	
014.0	56998164	2.0	EA	BAR,SQUARE	
015.0	95940573	8.0	EA	CAPSCREW,HEX HEAD	
016.0	95104147	4.0	EA	CAPSCREW,HEX	
017.0	95044020	8.0	EA	CAPSCREW	
018.0	95934733	23.0	EA	WASHER,LOCK	
019.0	95715942	8.0	EA	SCREW, CAP-5/8-11 X1-1/2	
020.0	57799629	2.0	EA	BAR,FLAT	
021.0	95935235	6.0	EA	CAPSCREW	
022.0	95934303	16.0	EA	WASHER,LOCK,PLATED	
023.0	95043212	1.0	EA	BUSHING	
024.0	95422663	1.0	EA	BREATHER	
025.0	95201547	1.0	EA	FITTING,LUBE	
026.0	95033601	2.0	EA	PLUG,PIPE,SQ HEAD	
027.0	57209926	1.0	EA	KEY	
028.0	57570848	2.0	EA	KEY,RECTANGULAR	
029.0	95069308	1.0	EA	ELBOW	
030.0	57570814	1.0	EA	HUB,REWORK	
031.0	57570822	1.0	EA	GEAR,WORM DRIVE OUTPUT	
032.0	58227661	2.0	EA	SEAL,OIL	
033.0	58226655	1.0	EA	END CAP	
034.0	58194945	2.0	EA	BEARING,BALL	
035.0	58194960	2.0	EA	GASKET	
036.0	58192915	1.0	EA	GASKET	
037.0	58194937	1.0	EA	GEAR,WORM	
038.0	57074668	1.0	EA	KEY	
039.0	58209651	1.5	QT	OIL, GEAR	

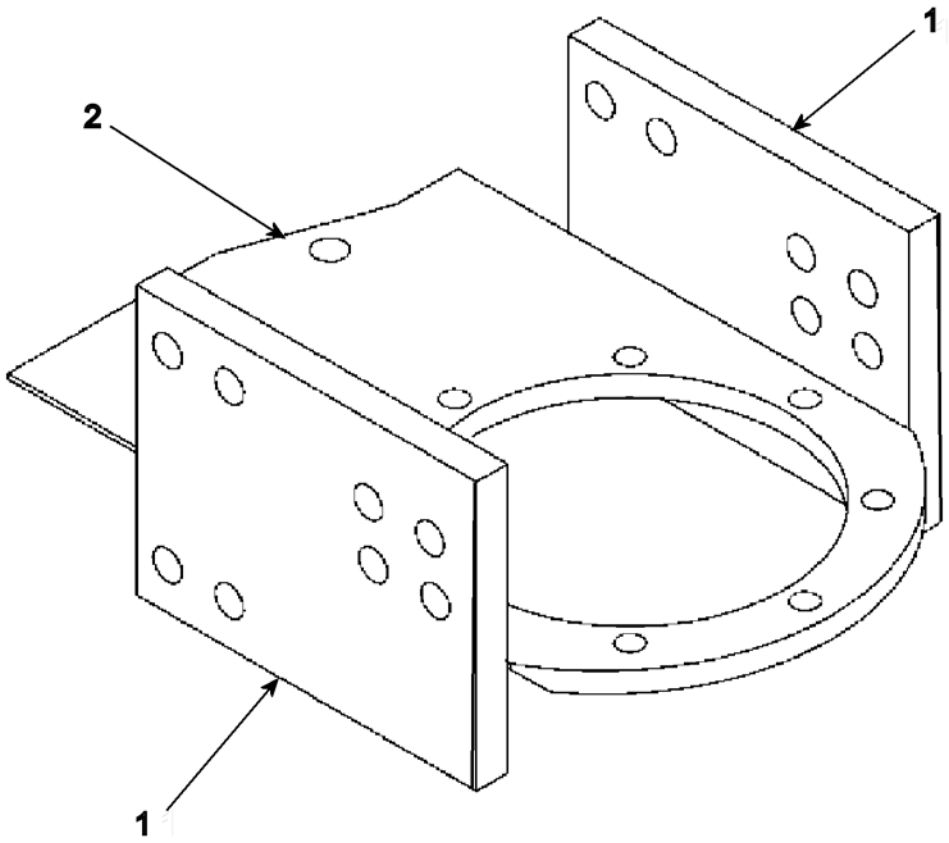
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57574113

57574113 MOTOR/GEARBOX,MIDR.ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
040.0	95934741	8.0	EA	WASHER,LOCK HELICAL	
041.0	57185902	1.0	EA	GASKET, SHIM PACK	
042.0	57185894	1.0	EA	GASKET, SHIM PACK	
044.0	57351694	1.0	EA	GUARD,GEAR,CAROUSEL	
046.0	95930723	10.0	EA	CAPSCREW,HEX	
047.0	95922910	10.0	EA	NUT,HEX,PLATED	
048.0	95934741	10.0	EA	WASHER,LOCK HELICAL	
049.0	57780611	1.0	EA	BRACKET,REMOVABLEGEARBOX	
050.0	57780611	1.0	EA	BRACKET,REMOVABLEGEARBOX	
051.0	57780603	1.0	EA	BRACKET,REMOVABLEGEARBOX	
053.0	56784267	1.0	EA	ADHESIVE	
054.0	50344605	4.0	FT	WIRE, LOCK	
055.0	95959086	12.0	EA	CAPSCREW	
056.0	57570772	1.0	EA	BUSHING,INDEX MOTOR	
057.0	57573065	2.0	EA	SUPPORT,HYDRAULIC MOTOR	
058.0	57351108	1.0	EA	COUPLING ASSY	
059.0	95935227	6.0	EA	CAPSCREW	
060.0	95228607	4.0	EA	CAPSCREW,HEX HEAD	
061.0	95934154	8.0	EA	CAPSCREW,HEX	
062.0	95930723	2.0	EA	CAPSCREW,HEX	
063.0	95104238	3.0	EA	CAPSCREW	
064.0	95094314	2.0	EA	WASHER,FLAT,WIDE	

57217531 MOUNT,REMOVE 7 ROD

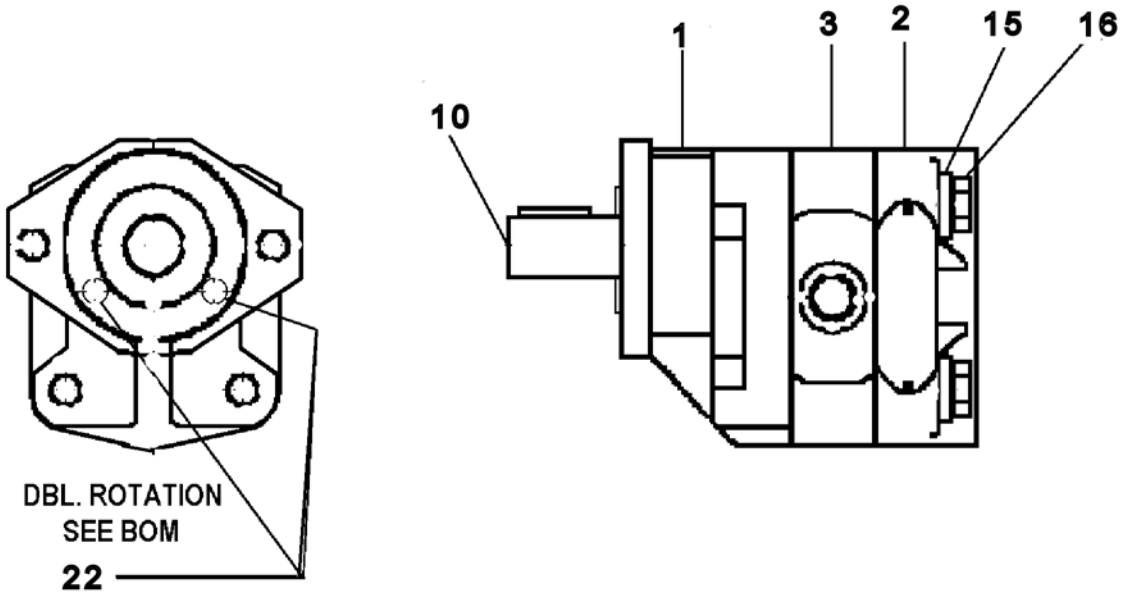


BOM 57217531

57217531 MOUNT,REMOVE 7 ROD

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57216780	2.0	EA	BRACKET,REMOVABLEGEARBOX	
002.1	57217507	1.0	EA	PLATE,GEAR BOX MOUNT	

57401176 SEAL KIT

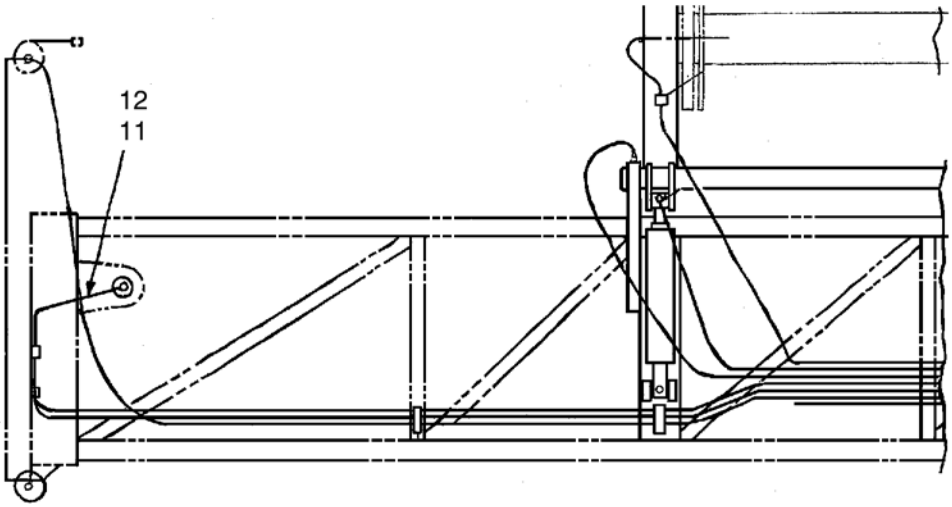


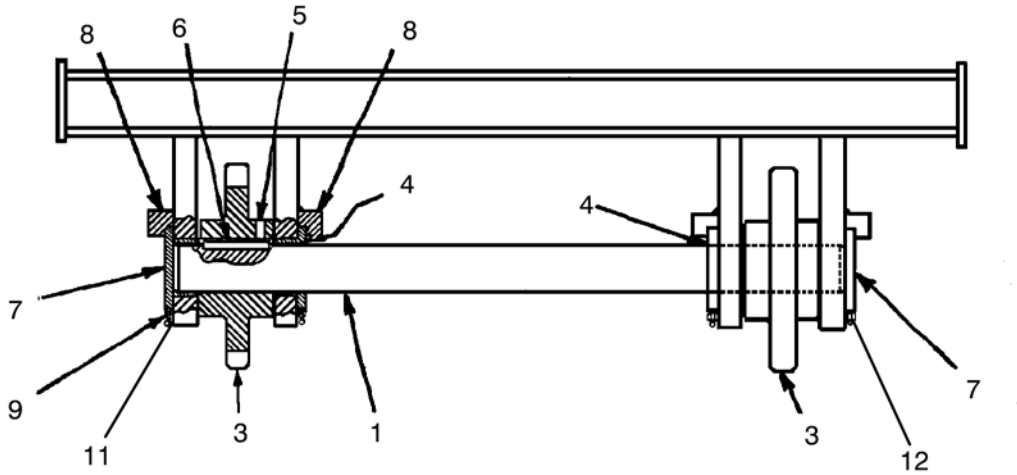
BOM 57401176

57401176 SEAL KIT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
021.1	57401200	1.0	EA	SEAL, LIP	
025.0	57401184	2.0	EA	SEAL, RING	
028.0	57109753	2.0	EA	GASKET SEAL	

57562654 SHAFT,TIMING,ASSM



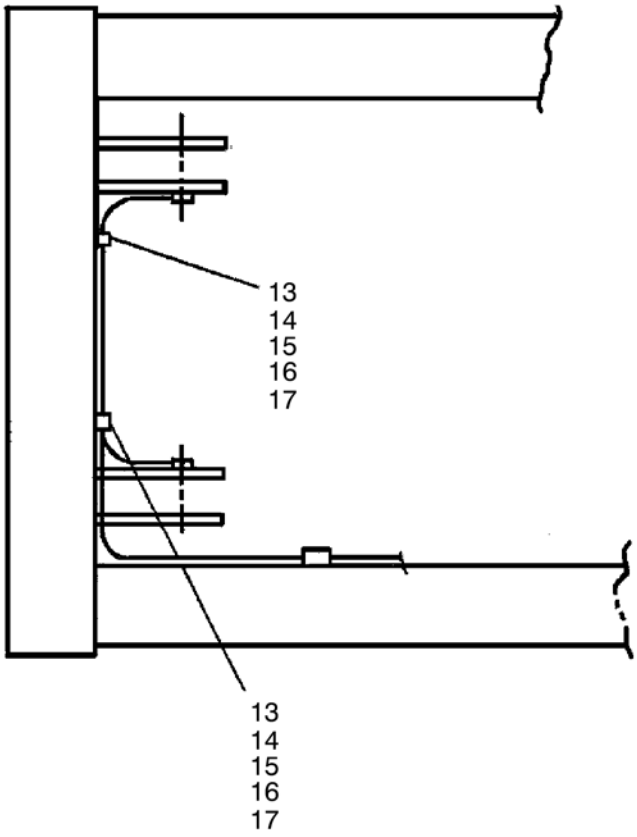


E2657562654 REV 002

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

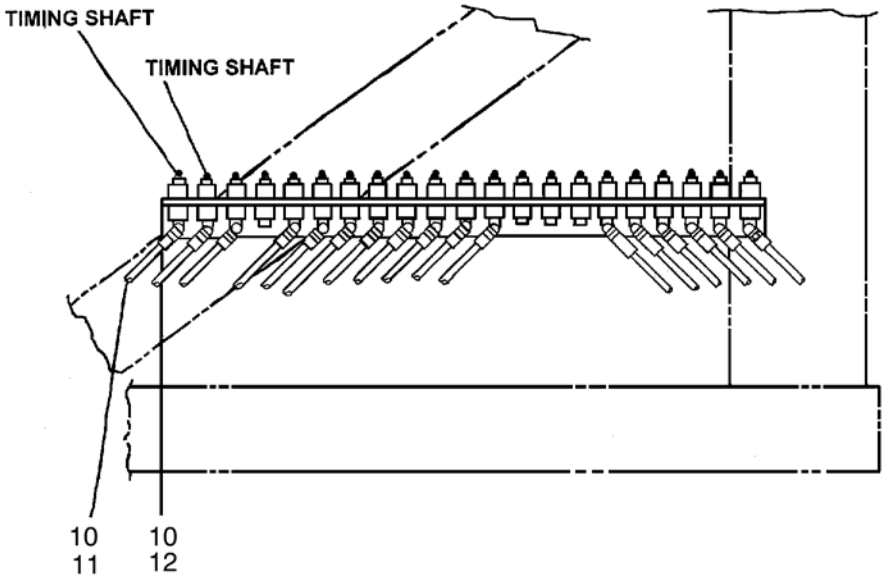
BOM 57562654

57562654 SHAFT,TIMING,ASSM



E2657562654 REV 002

57562654 SHAFT,TIMING,ASSM



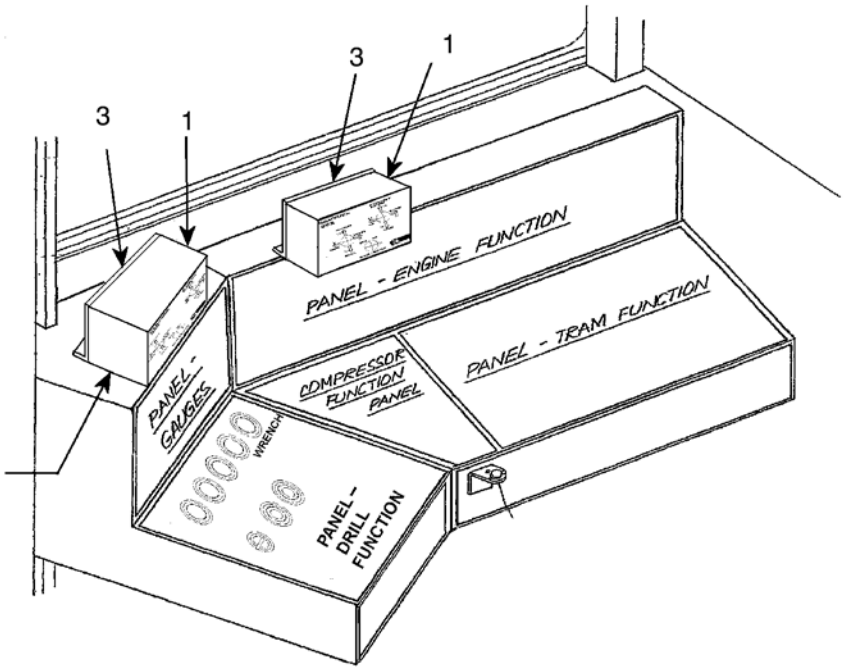
E2657562654 REV 002

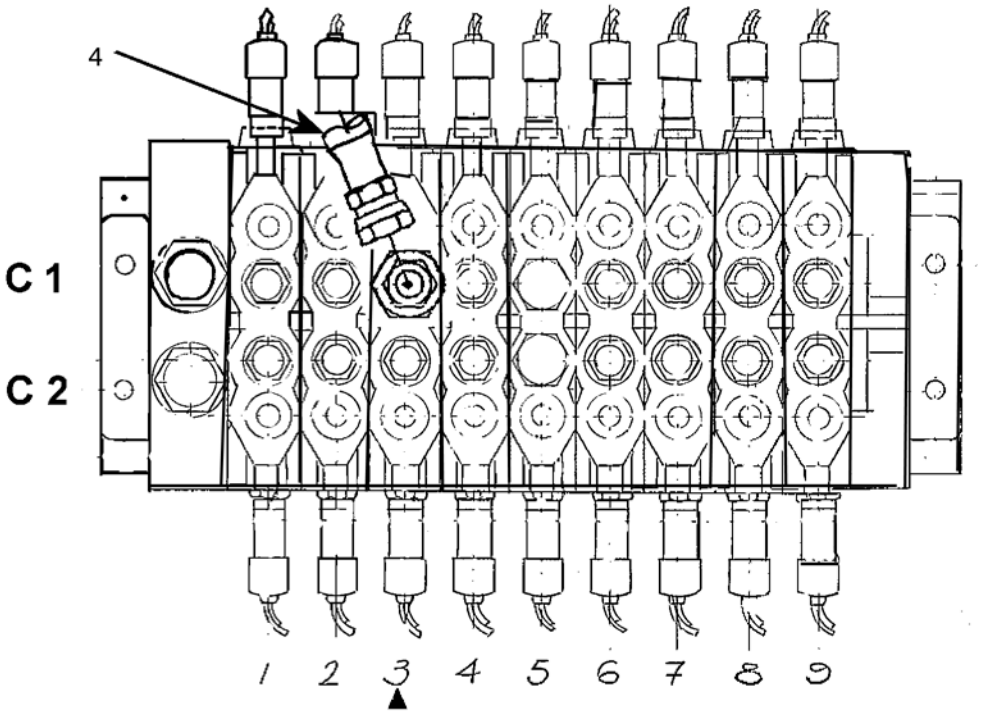
BOM 57562654

57562654 SHAFT,TIMING,ASSM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57429789	1.0	EA	SHAFT, TIMING, DM45/50	
003.0	57501132	2.0	EA	SPROCKET	
-	57407009	1.0	EA	- SPROCKET, 2 P. 20 TEETH	
-	57430332	1.0	EA	- HUB, BLANK	
004.0	57561912	2.0	EA	BUSHING,INNER TMG SHAFT	
005.0	95065959	4.0	EA	SCREW SET	
006.0	95951034	2.0	EA	KEY,SQUARE END	
007.0	57561920	2.0	EA	BUSHING,OUTER TIMG SHAFT	
008.0	57430845	4.0	EA	RETAINER, BUSHING	
009.0	95201547	4.0	EA	FITTING,LUBE	
010.0	95302170	2.0	EA	FITTING,HYD	
011.0	56242605	1.0	EA	HOSE ASSY	
012.0	57503468	1.0	EA	HOSE ASSY	
013.0	95922894	2.0	EA	NUT,HEX	
014.0	95937413	2.0	EA	WASHER,LOCK,HELICAL	
015.0	95301842	2.0	EA	CLAMP,HOSE	
017.0	57524548	2.0	EA	INSULATOR,3/8	

57761017 WRENCH,AUTO,7.6,DML,ASSM

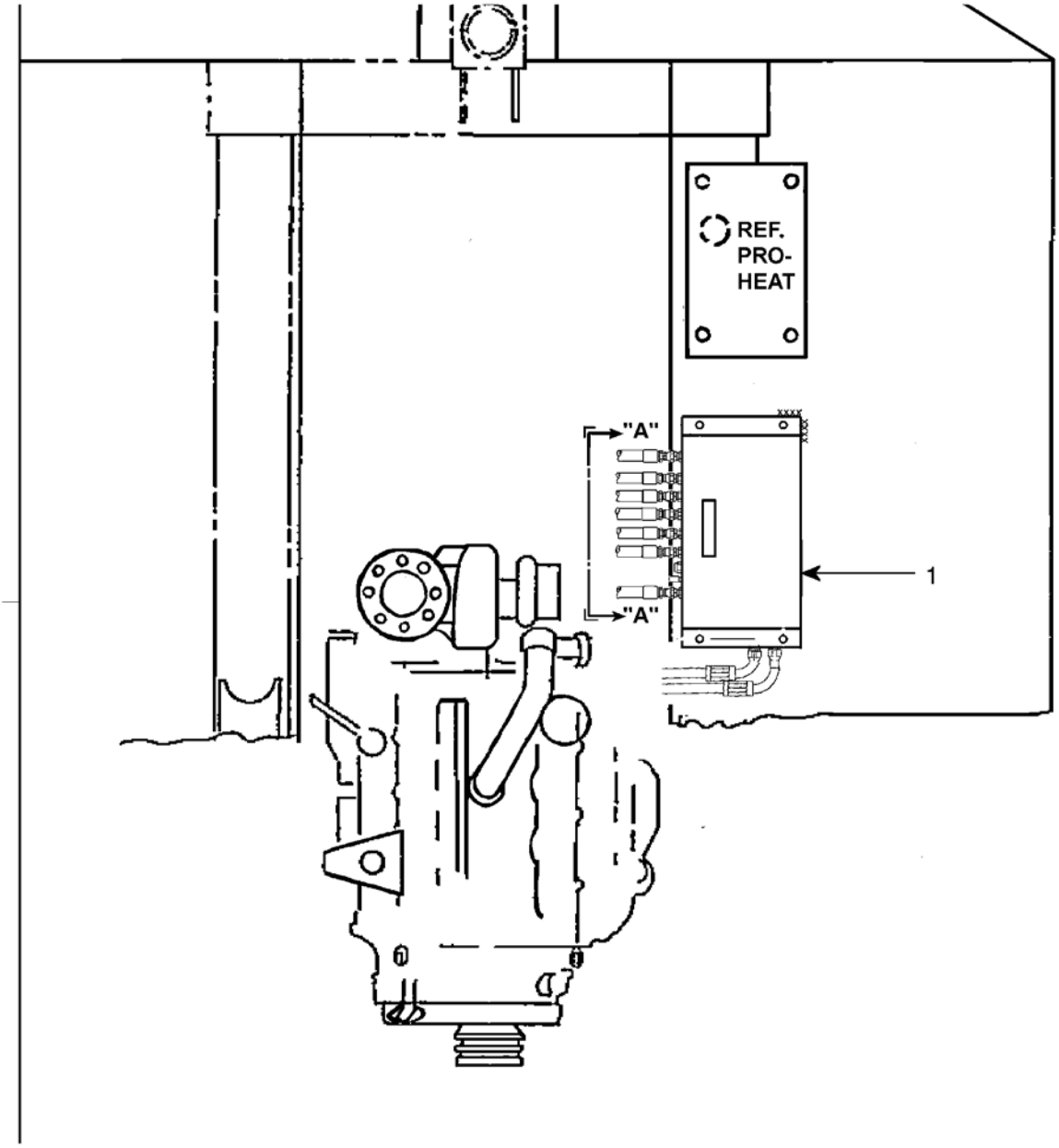




TB2657769531 REV 001

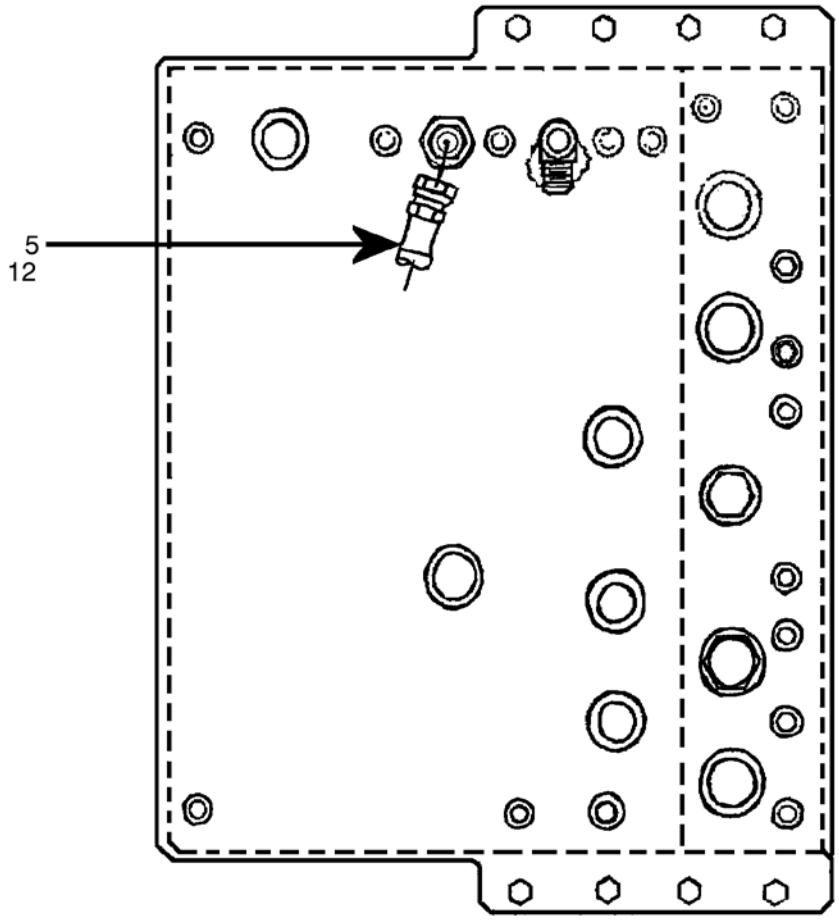
BOM 57761017

57761017 WRENCH,AUTO,7.6,DML,ASSM



TB2657769531 REV 001

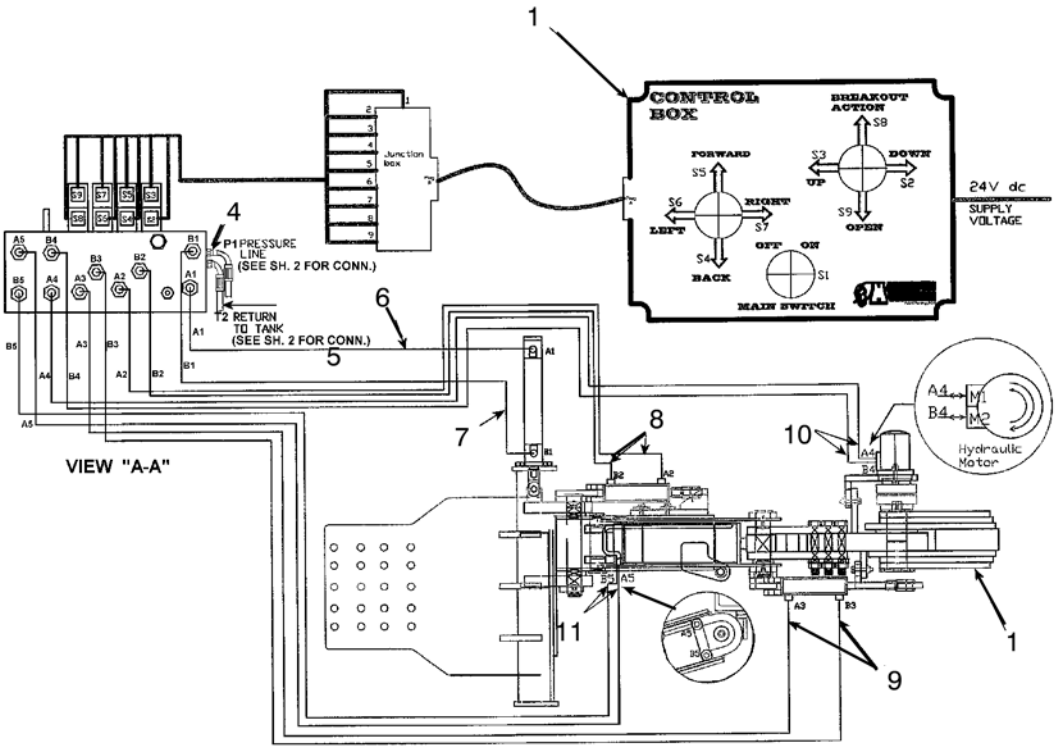
57761017 WRENCH,AUTO,7.6,DML,ASSM

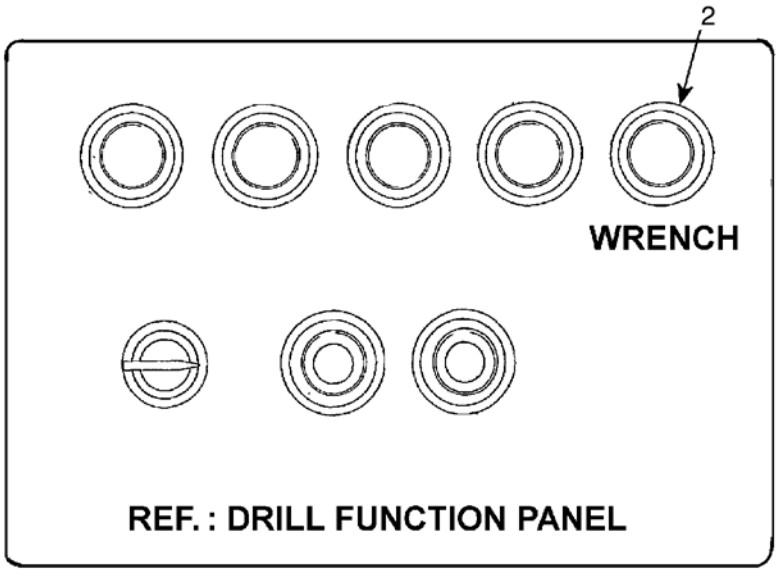


TB2657769531 REV 001

BOM 57761017

57761017 WRENCH,AUTO,7.6,DML,ASSM





TB2657769531 REV 001

BOM 57761017

57761017 WRENCH,AUTO,7.6,DML,ASSM

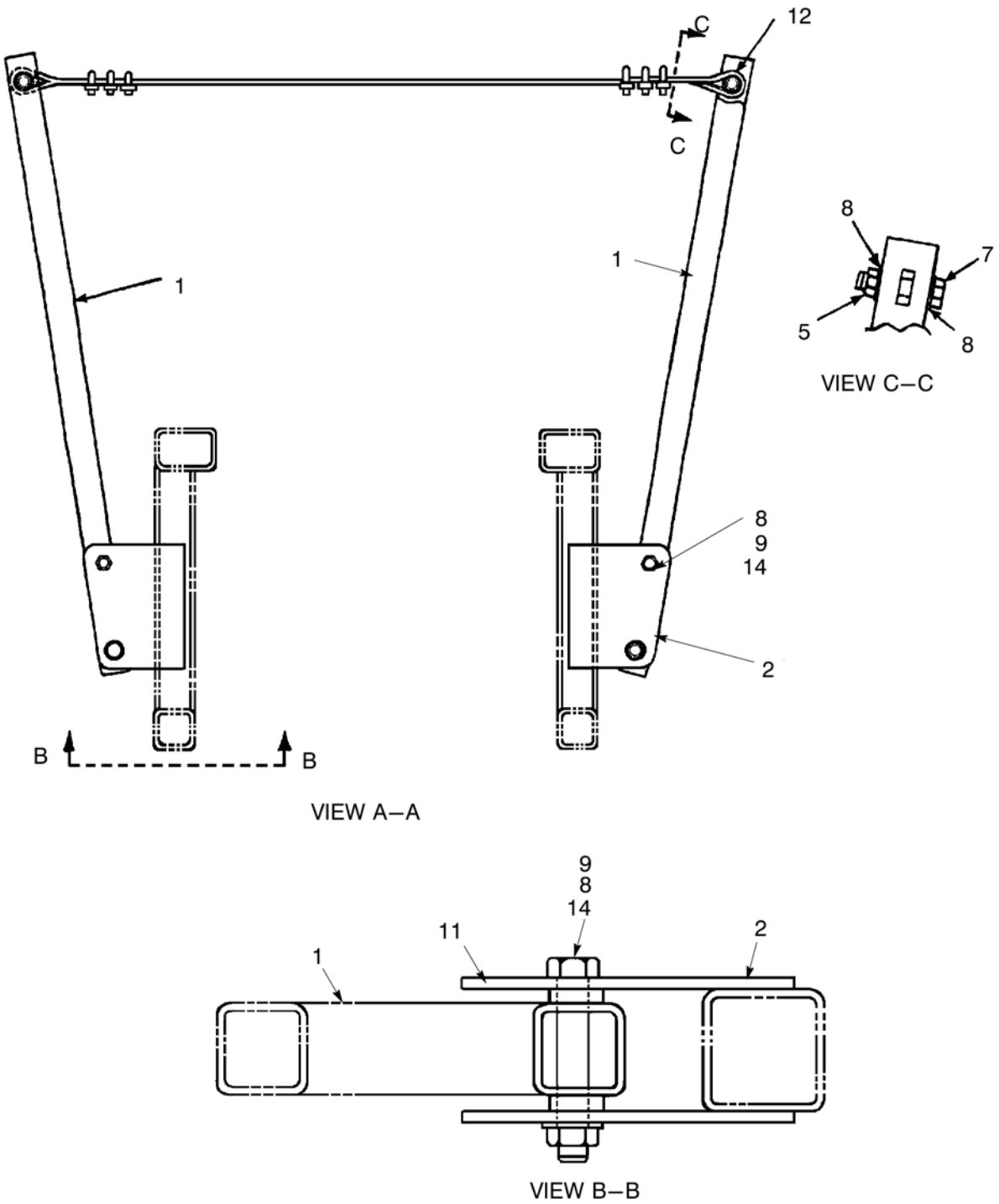
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57761058	1.0	EA	WRENCH,AUTO B/O,7.62RODS	
002.0	57733909	1.0	EA	CONTROLLER,FRICTION HOLD	
003.0	57757759	1.0	EA	BRACKET,CONTROL,WRENCH	
004.0	57133225	1.0	EA	HOSE ASSY	
005.0	57133225	1.0	EA	HOSE ASSY	
006.0	56975162	1.0	EA	HOSE ASSY	
007.0	57773681	1.0	EA	HOSE,ASSEMBLY	
008.0	56975162	2.0	EA	HOSE ASSY	
009.0	56975162	2.0	EA	HOSE ASSY	
010.0	57042970	2.0	EA	HOSE ASSY	
011.0	57748493	2.0	EA	HOSE,ASSEMBLY	
012.0	95371258	1.0	EA	FITTING,HYD	

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57761017

57761017 WRENCH,AUTO,7.6,DML,ASSM

57445660 ROD CATCHER ASM



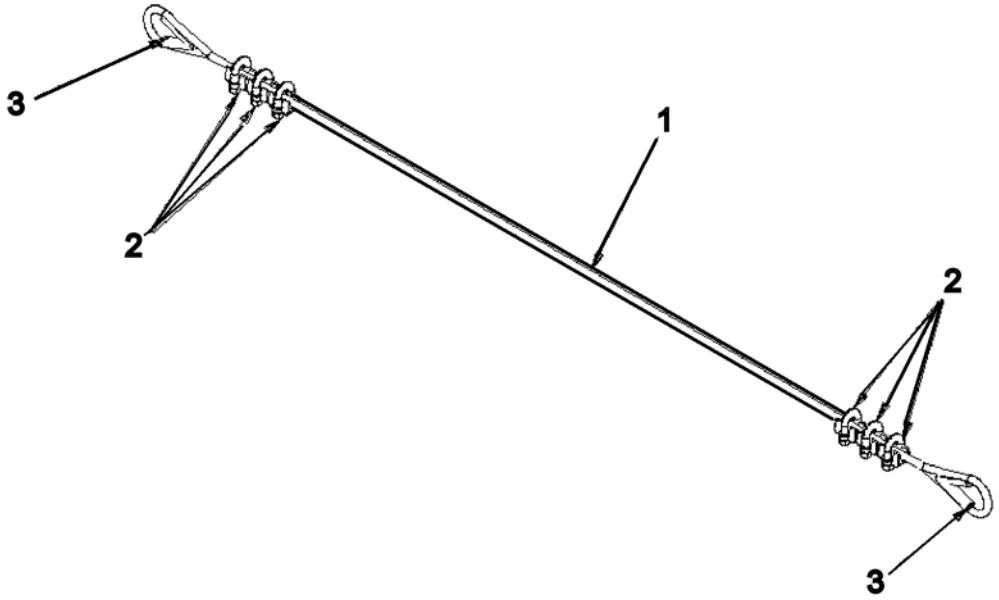
D2657445660 REV 005

BOM 57445660

57445660 ROD CATCHER ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57445678	2.0	EA	TUBING, ROD CATCHER	
002.0	57445702	4.0	EA	PLATE, MOUNT	
005.0	95077244	2.0	EA	NUT,HEX STOP	
007.1	54570353	2.0	EA	SCREW,CAP,HEX	
008.1	95081642	4.0	EA	WASHER,FLAT,WIDE	
009.1	95077244	4.0	EA	NUT,HEX STOP	
011.0	57188963	8.0	EA	SPACER,.5X1.75ODX1.06ID	
012.0	57403586	1.0	EA	CABLE ASSEMBLY	**See Page 232**
014.0	95651253	4.0	EA	CAPSCREW	

57403586 CABLE ASSEMBLY



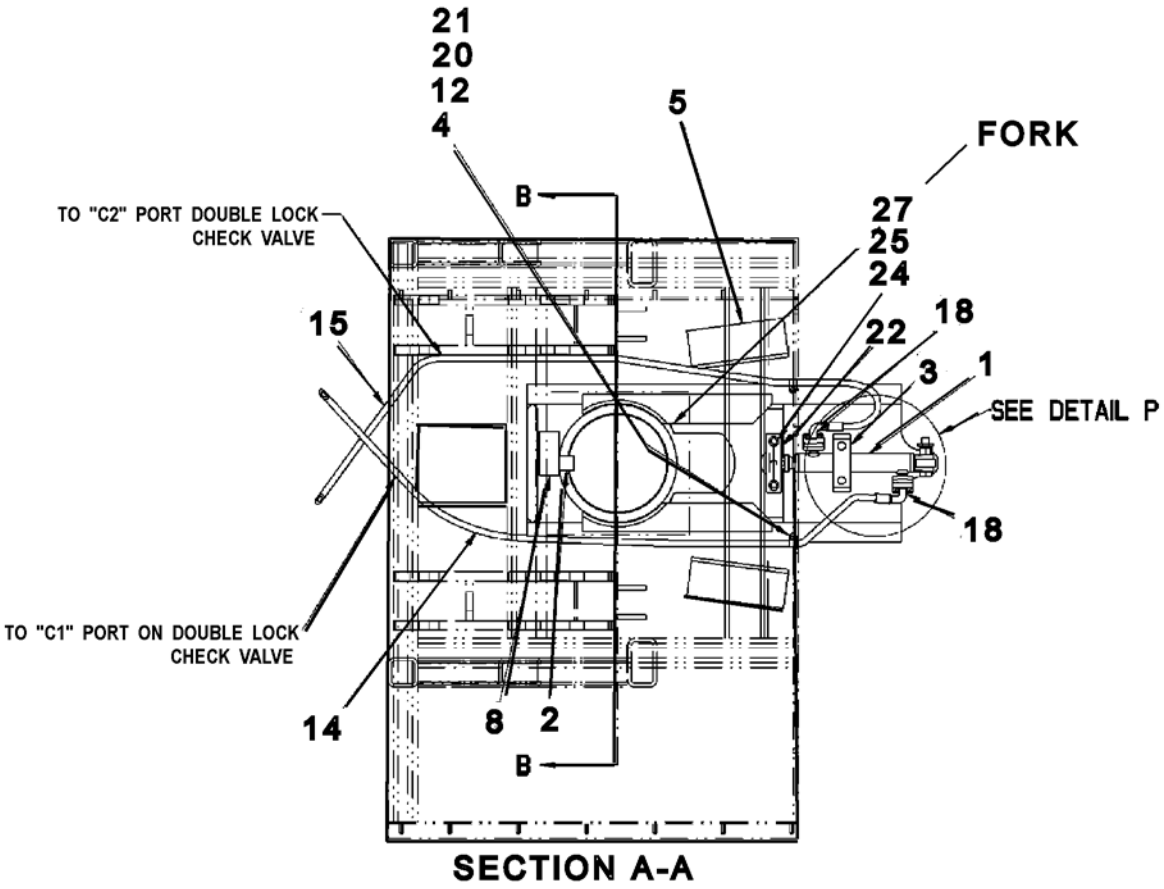
D2657403586 REV 001

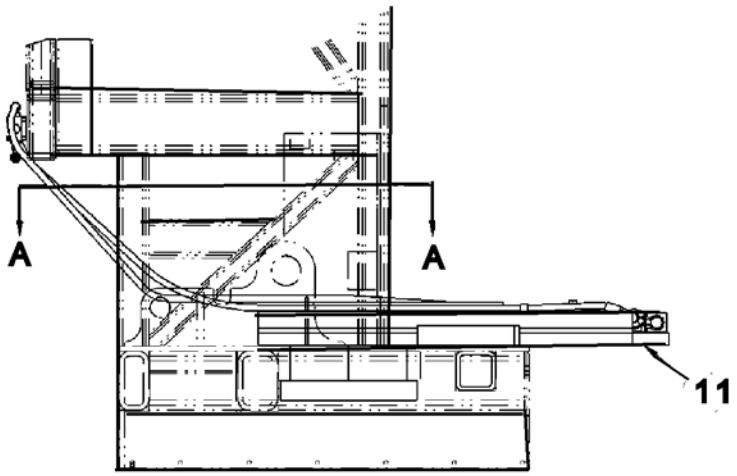
BOM 57403586

57403586 CABLE ASSEMBLY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57047060	1.0	EA	ROPE, WIRE	
002.0	56804750	6.0	EA	CLAMP, CABLE	
003.0	50000553	2.0	EA	THIMBLE,WIRE	

57770695 BREAKOUT,SLIDING ASM

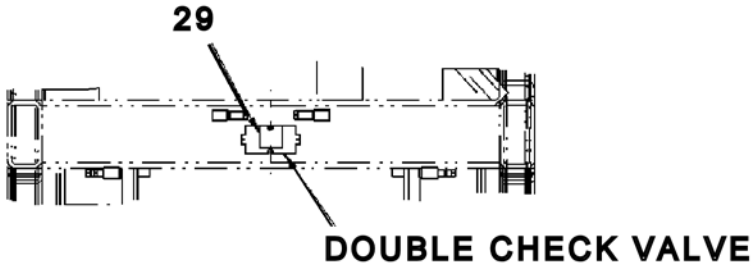


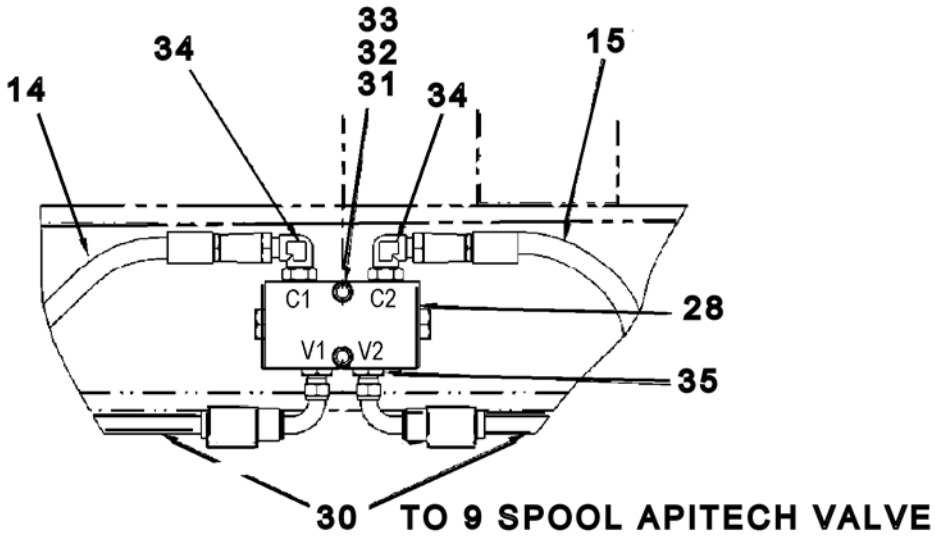


TB2657770695 REV 003

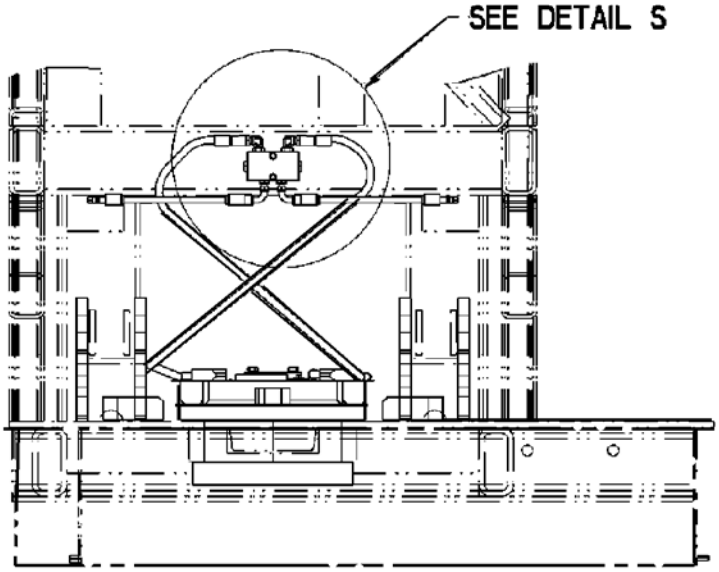
BOM 57770695

57770695 BREAKOUT,SLIDING ASM



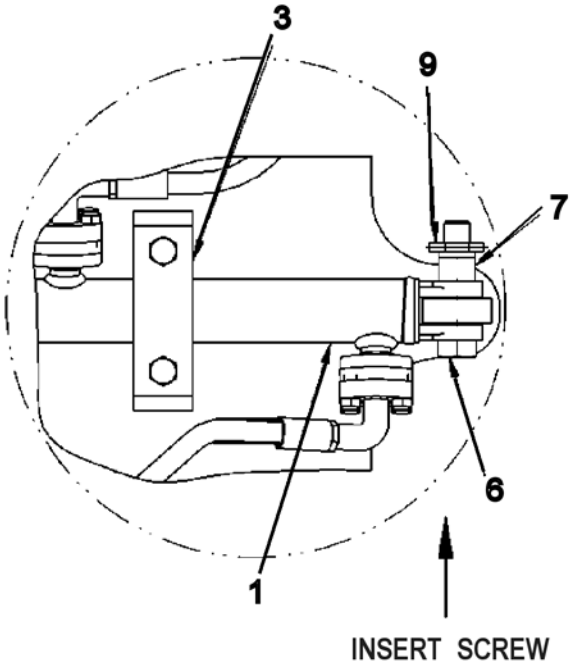


DETAIL S

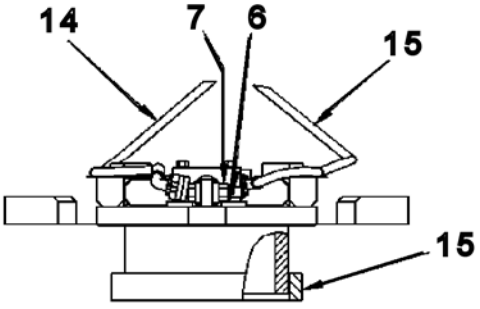


TB2657770695 REV 003

57770695 BREAKOUT,SLIDING ASM



DETAIL P



SECTION B-B

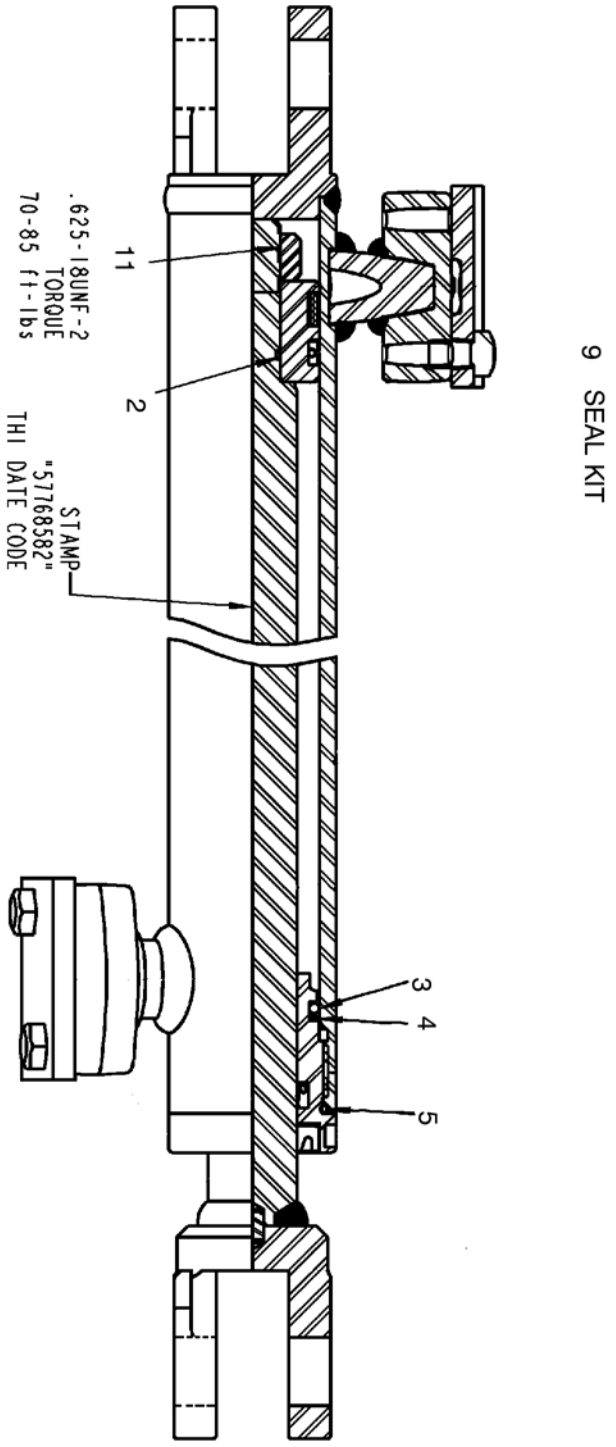
TB2657770695 REV 003

BOM 57770695

57770695 BREAKOUT,SLIDING ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57768582	1.0	EA	CYLINDER,HYD,SPLIT FLG	**See Page 238**
002.0	57198939	1.0	EA	STOP BLOCK,CENT.BUSH	
003.0	57823858	1.0	EA	RETAINER,CYLINDER-B/O	
004.0	95310231	3.0	EA	CLAMP,HOSE	
005.0	57505224	2.0	EA	STOP	
006.0	57774259	1.0	EA	SCREW,CAP,HEX W/HOLE	
-	95920088	1.0	EA	- CAPSCREW,HEX	
007.0	95923363	1.0	EA	NUT,HEX,SELF LOCK	
008.0	57198921	1.0	EA	BLOCK	
009.0	95213310	1.0	EA	PIN,ROLL	
010.0	57200628	1.0	EA	RING, RETAINING-BREAKOUT	
011.0	57638041	1.0	EA	BASE,FABRICATED 10"OPEN	
012.0	95934550	3.0	EA	CAPSCREW,HEX	
014.0	57774341	1.0	EA	HOSE,ASSEMBLY	
015.0	57770703	1.0	EA	HOSE,ASSEMBLY	
018.0	57771156	2.0	EA	KIT,SPLIT FLANGE-08,CD61	
020.0	95922894	3.0	EA	NUT,HEX	
020.0	95934550	3.0	EA	CAPSCREW,HEX	
021.0	95937413	3.0	EA	WASHER,LOCK,HELICAL	
022.0	57648727	1.0	EA	PIN,RETAINER BAR	
024.0	95919254	2.0	EA	CAPSCREW	
025.0	95922233	2.0	EA	WASHER,FLAT,WIDE	
028.0	50462944	1.0	EA	VALVE,CHECK-DBL PILOTOP	
029.0	57728255	1.0	EA	BAR,TAPPED	
030.0	57445538	2.0	EA	HOSE ASSY	
031.0	95943668	2.0	EA	CAPSCREW,HEX	
032.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
033.0	95922225	2.0	EA	WASHER,FLAT	
034.0	95303335	2.0	EA	ELBOW,90 DEG STRT THRD	
035.0	95356903	2.0	EA	CONNECTOR,STRT THRD	

57768582 CYLINDER,HYD,SPLIT FLG



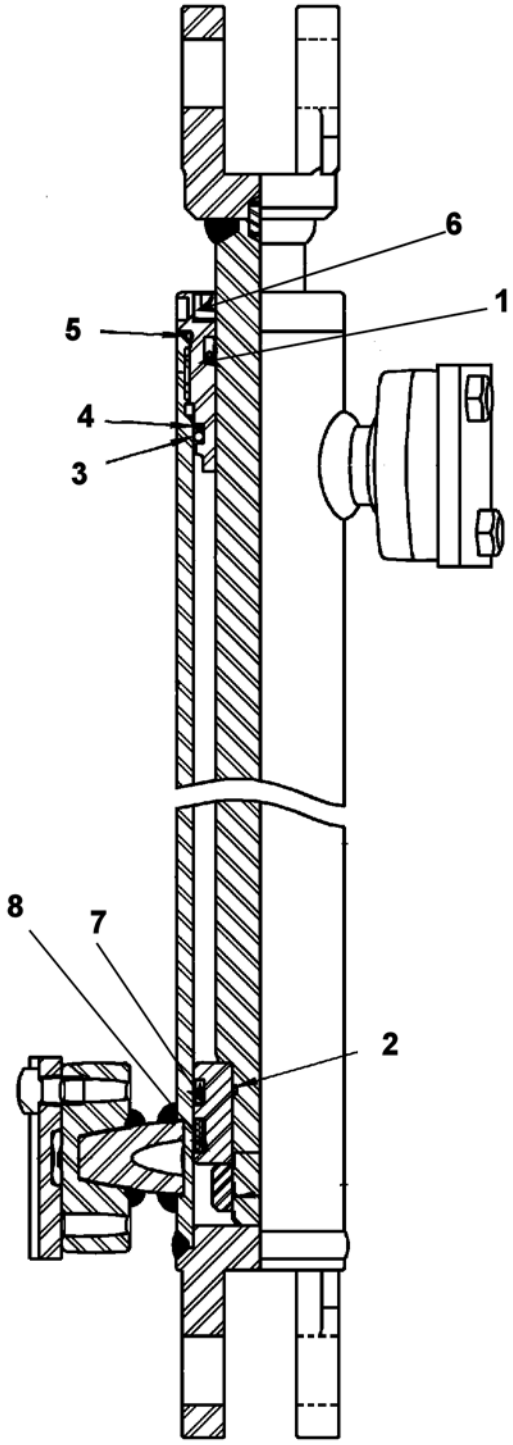
D2657768582 REV 002

BOM 57768582

57768582 CYLINDER,HYD,SPLIT FLG

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	58233784	1.0	EA	O-RING	
003.0	58233727	1.0	EA	O-RING	
004.0	58233735	1.0	EA	RING, BACKUP	
005.0	57186876	1.0	EA	O'RING	
009.0	57779159	9.0	EA	KIT,SEAL	**See Page 240**
011.0	58233719	1.0	EA	NUT, LOCK	

57779159 KIT,SEAL



BOM 57779159

57779159 KIT,SEAL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57764938	1.0	EA	SEAL	
002.0	58233784	1.0	EA	O-RING	
003.0	58233727	1.0	EA	O-RING	
004.0	58233735	1.0	EA	RING, BACKUP	
005.0	57186876	1.0	EA	O'RING	
006.0	57764953	1.0	EA	WIPER,MTL	
007.0	57823312	1.0	EA	SEAL	
008.0	57823320	1.0	EA	WEAR RING	

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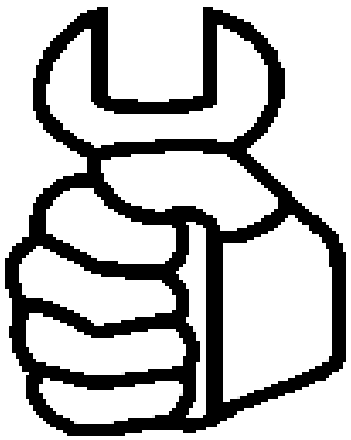
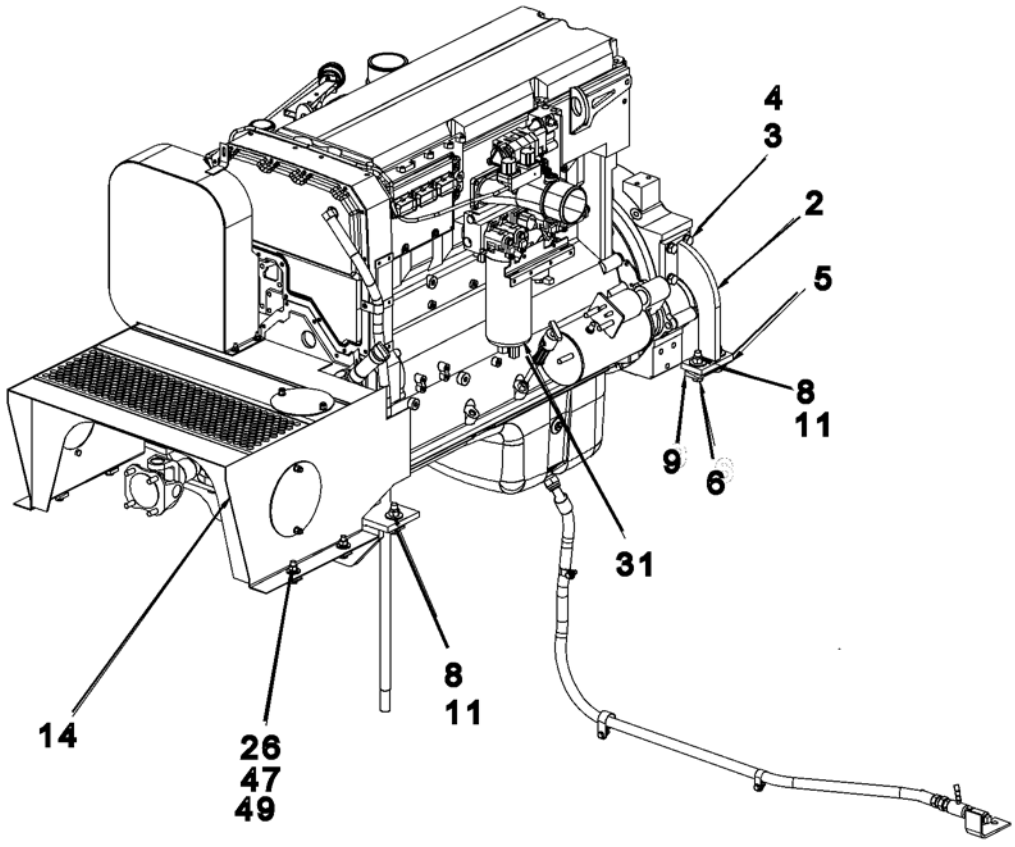


Section F - Powerpack/Engine

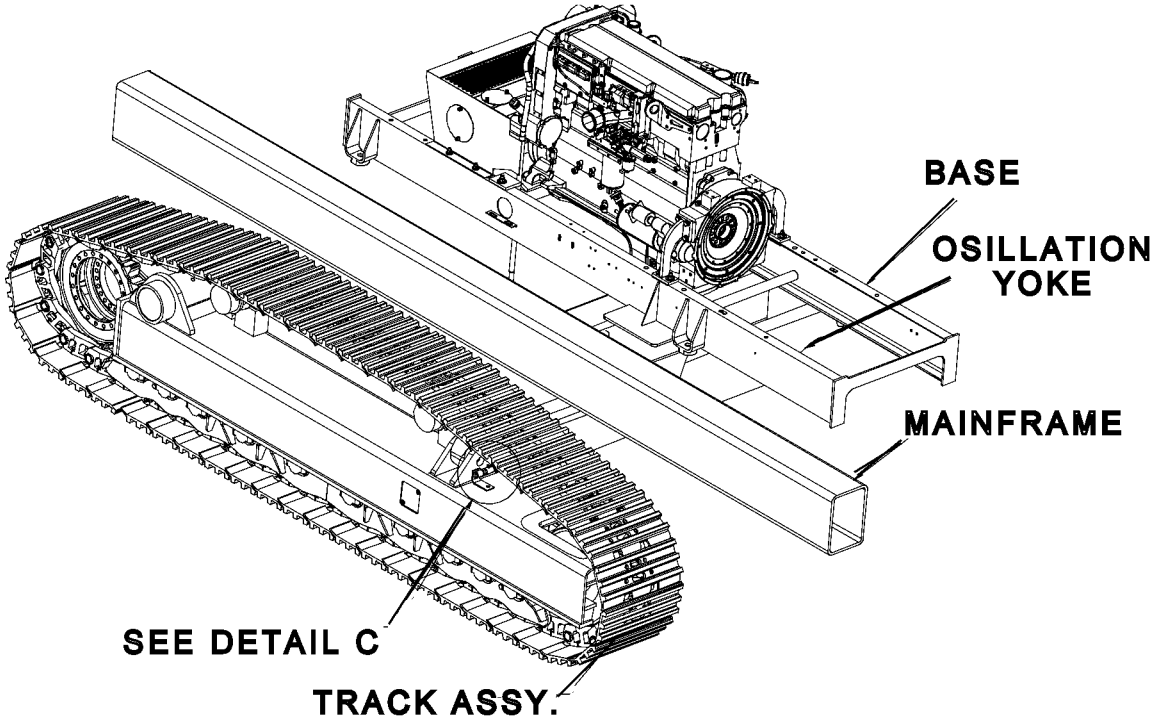
57792418 ENGINE,DML,ASM



TB2657792293 REV 001

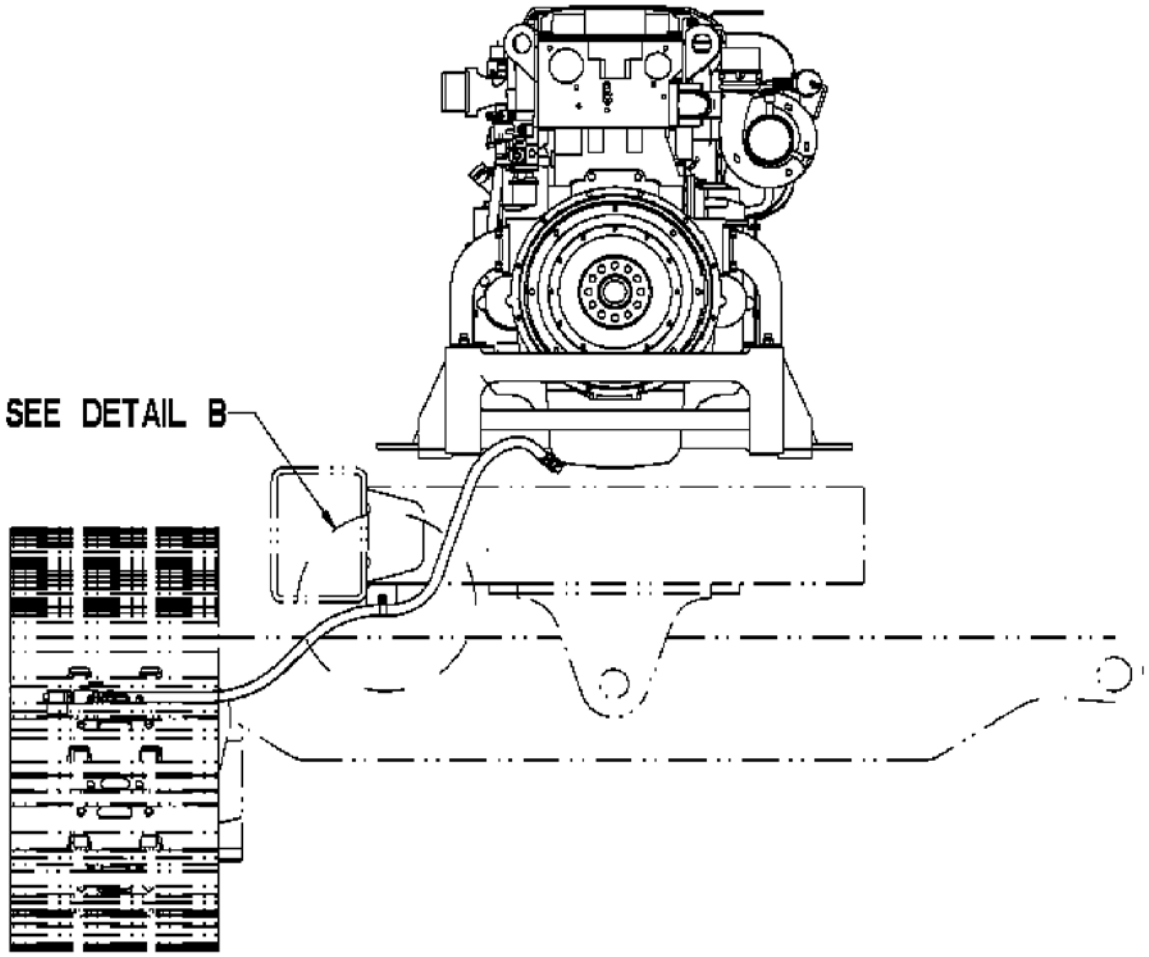
57792418 ENGINE,DML,ASM

34 –NOT SHOWN



TB2657792293 REV 001

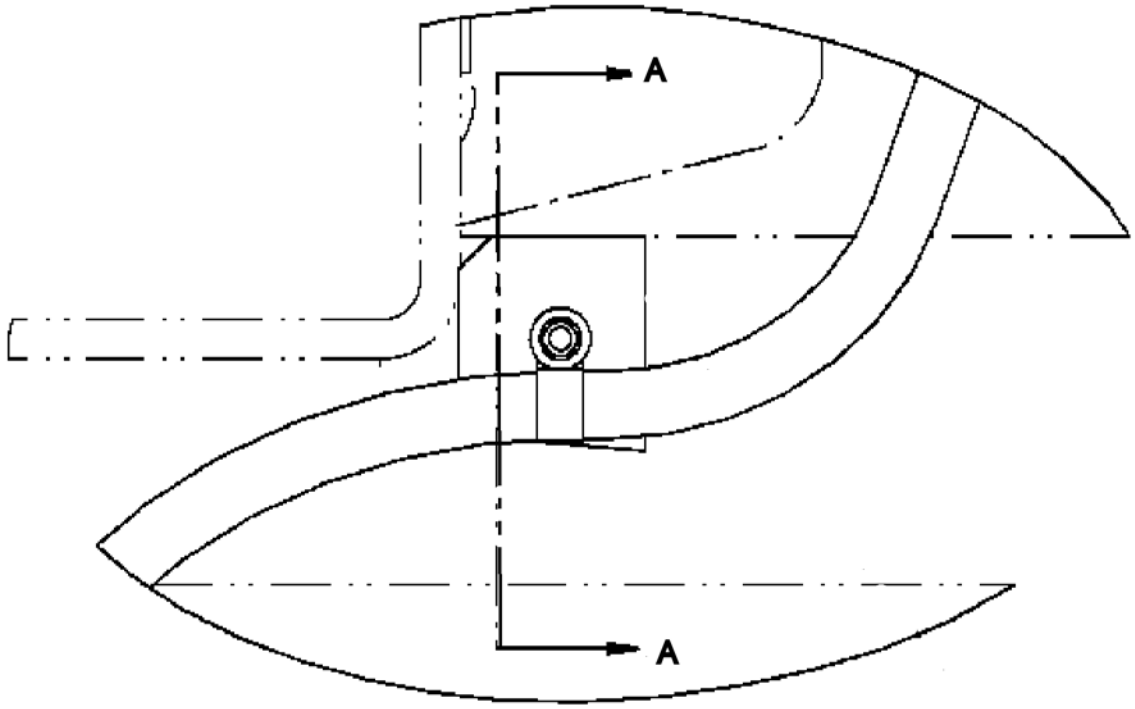
57792418 ENGINE,DML,ASM



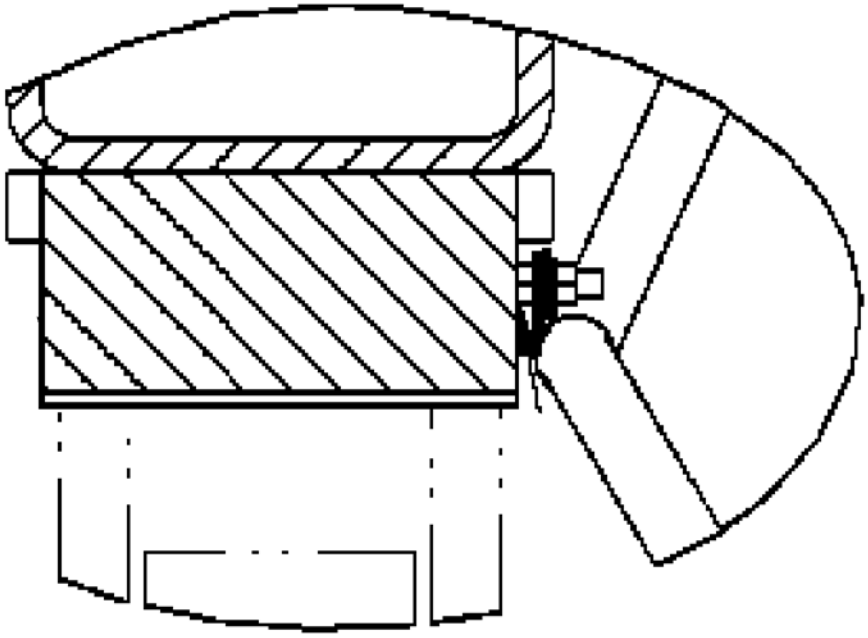
TB2657792293 REV 001

BOM 57792418

57792418 ENGINE,DML,ASM



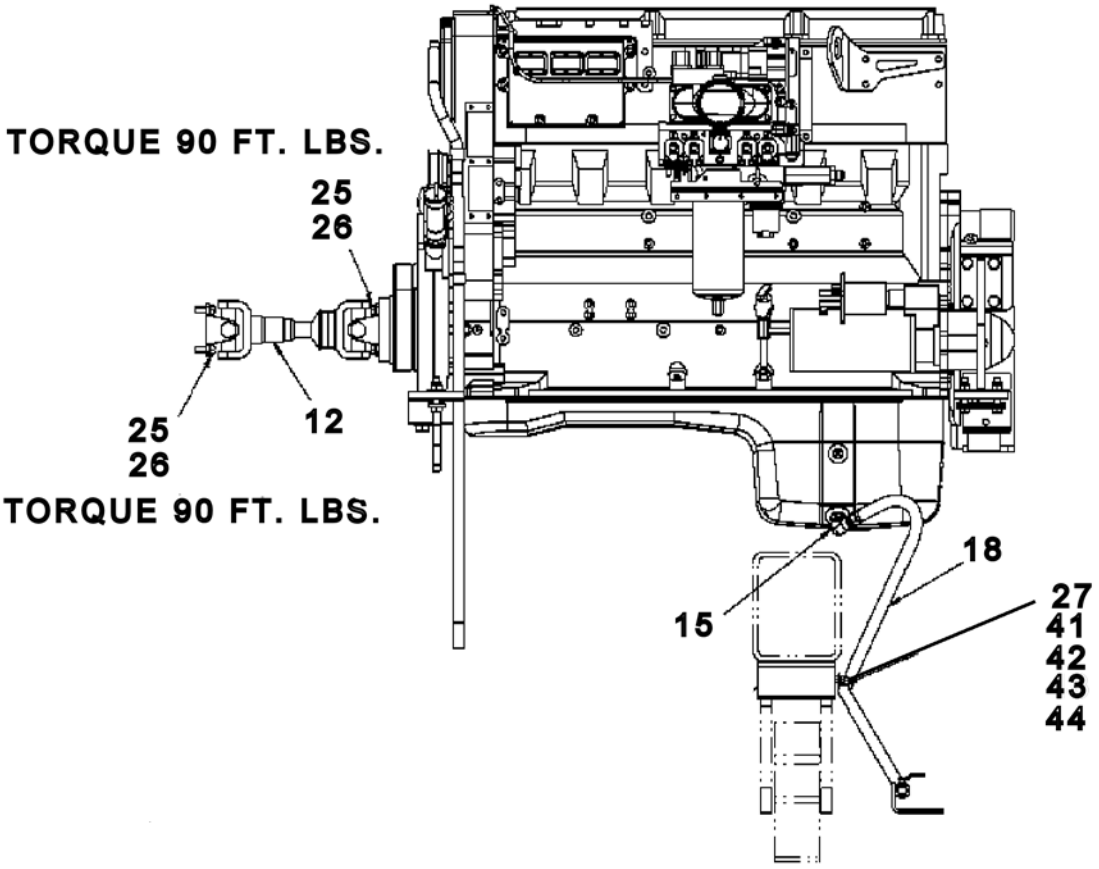
DETAIL B



SECTION A-A

TB2657792293 REV 001

57792418 ENGINE,DML,ASM

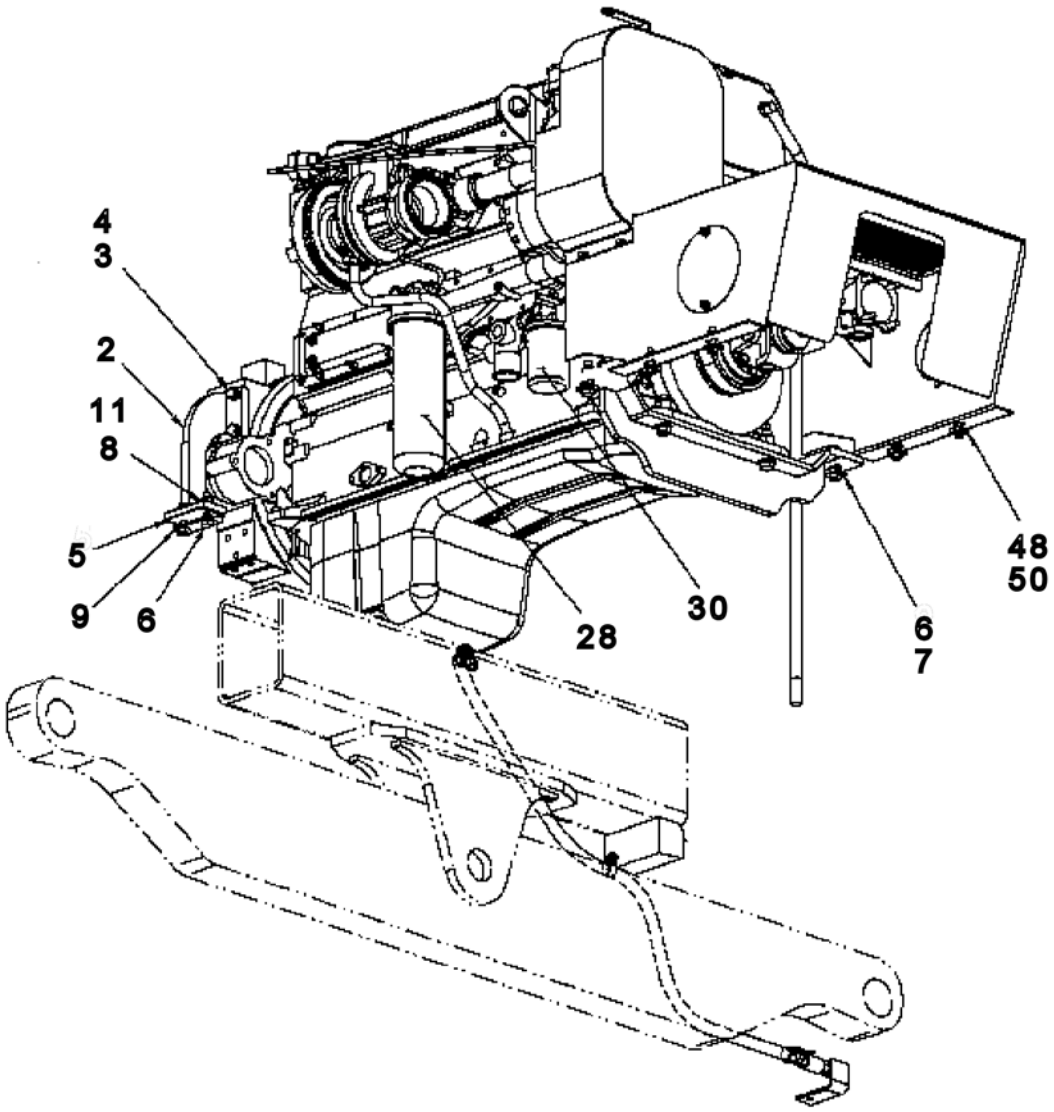


TB2657792293 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

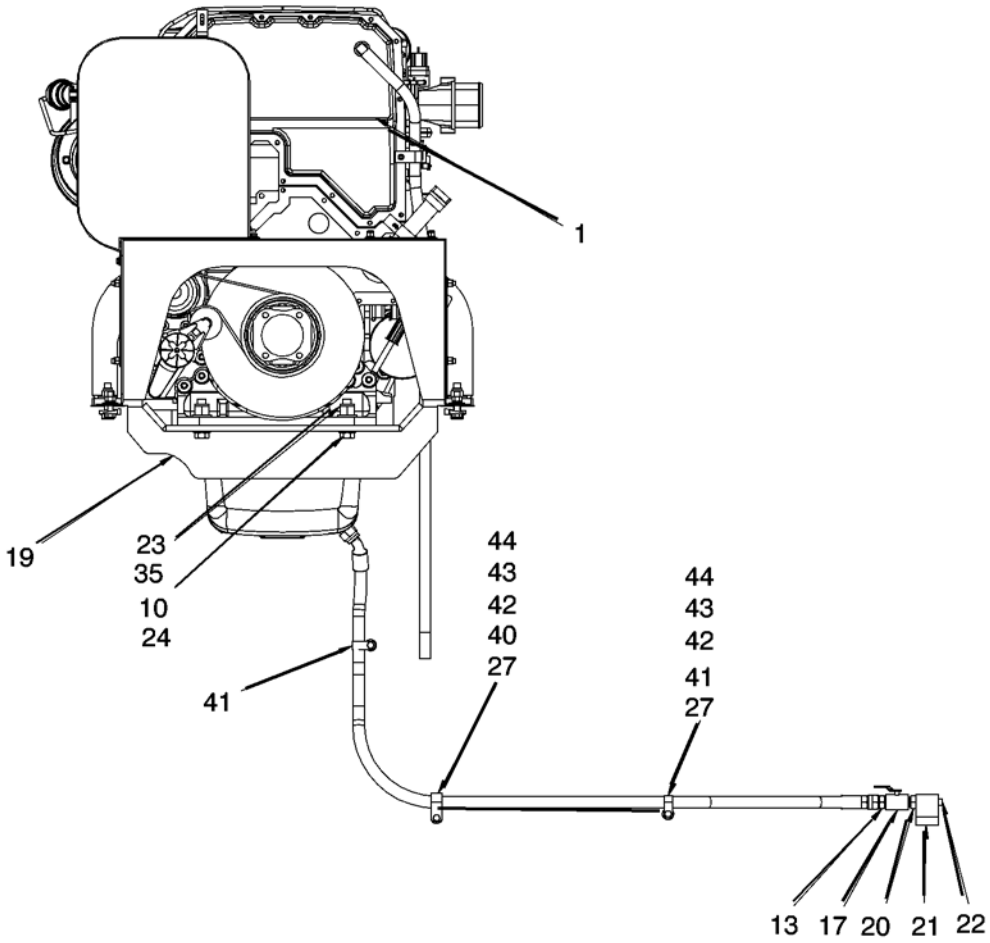
BOM 57792418

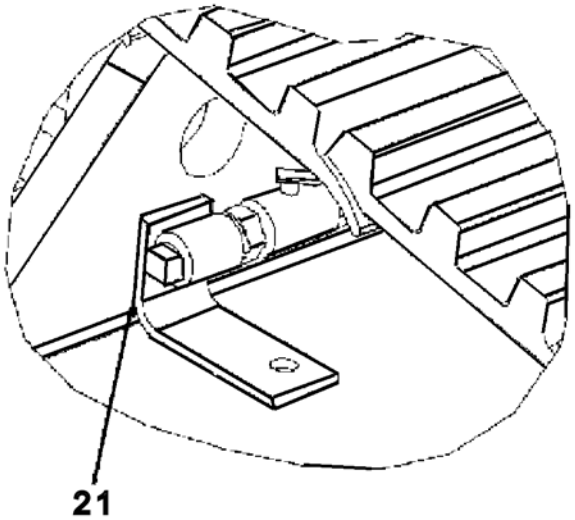
57792418 ENGINE,DML,ASM



TB2657792293 REV 001

57792418 ENGINE,DML,ASM





DETAIL C

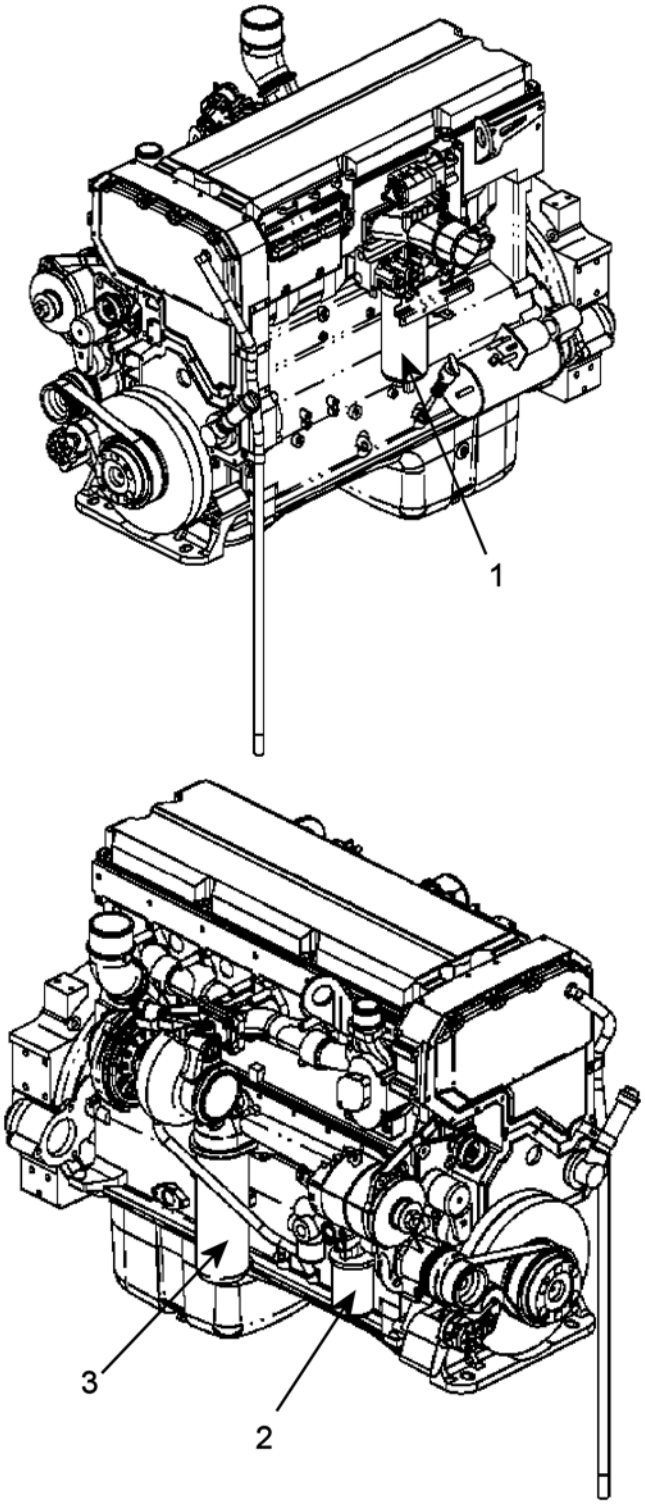
TB2657792293 REV 001

BOM 57792418

57792418 ENGINE,DML,ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57791352	1.0	EA	ENGINE,BARE QSX15 600HP	**See Page 252**
002.0	57623647	2.0	EA	SUPPORT,REAR ENG,QSX15	
003.0	95919817	8.0	EA	CAPSCREW,HEX HEAD	
004.0	95934741	8.0	EA	WASHER,LOCK HELICAL	
005.0	56939028	2.0	EA	SHIM, PAK	
006.0	95952354	6.0	EA	CAPSCREW,HEX	
007.0	54573704	2.0	EA	WASHER,BEVEL,SQ,PLATED	
008.0	95077590	6.0	EA	NUT,HEX,STOP	
009.0	50692243	2.0	EA	WASHER,BAR	
010.0	95935201	2.0	EA	CAPSCREW,HEX	
011.0	95094314	6.0	EA	WASHER,FLAT,WIDE	
012.0	57793689	1.0	EA	DRIVE SHAFT	
013.0	95279378	1.0	EA	FITTING,HYD	
014.0	57793697	1.0	EA	GUARD,DRIVE SHAFT	
015.0	95280186	1.0	EA	ELBOW,90 DEG STRT THRD	
017.0	50829605	1.0	EA	VALVE,BALL-1/2	
018.0	56992118	1.0	EA	HOSE ASSY	
019.0	57623639	1.0	EA	SUPPORT,FRONT ENG,QSX15	
020.0	95323358	1.0	EA	FITTING,STR-EXT NPT RUN	
021.0	52235363	1.0	EA	BRACKET,OIL	
022.0	95002143	1.0	EA	PLUG,PIPE-SQ HEAD	
023.0	95972246	2.0	EA	WASHER,FLAT,PLATED	
024.0	95922423	2.0	EA	WASHER,FLAT,3/4	
025.0	95919569	8.0	EA	CAPSCREW	
026.0	95934733	12.0	EA	WASHER,LOCK	
027.0	95922233	1.0	EA	WASHER,FLAT,WIDE	
028.0	57645210	1.0	EA	ELEMENT,FILTER-OIL	
030.0	57645202	1.0	EA	FILTER,SERVICE COOLANT	
031.0	57793705	1.0	EA	ELEMENT,FUEL FILTER	
034.0	52223831	12.0	GL	OIL,MOTOR (BULK)	
035.0	95077319	2.0	EA	NUT,HEX,STOP	
041.0	95301883	1.0	EA	CLAMP,HOSE	
042.0	95920674	1.0	EA	CAPSCREW,HEX	
043.0	95937413	1.0	EA	WASHER,LOCK,HELICAL	
044.0	95922894	1.0	EA	NUT,HEX	
047.0	95081667	4.0	EA	WASHER,FLAT,WIDE	
048.0	95934469	4.0	EA	CAPSCREW,HEX	
049.0	95922902	4.0	EA	NUT,HEX,FINISHED,PLATED	
050.0	95245767	4.0	EA	WASHER,BEVEL	

57791352 ENGINE,BARE QSX15 600HP

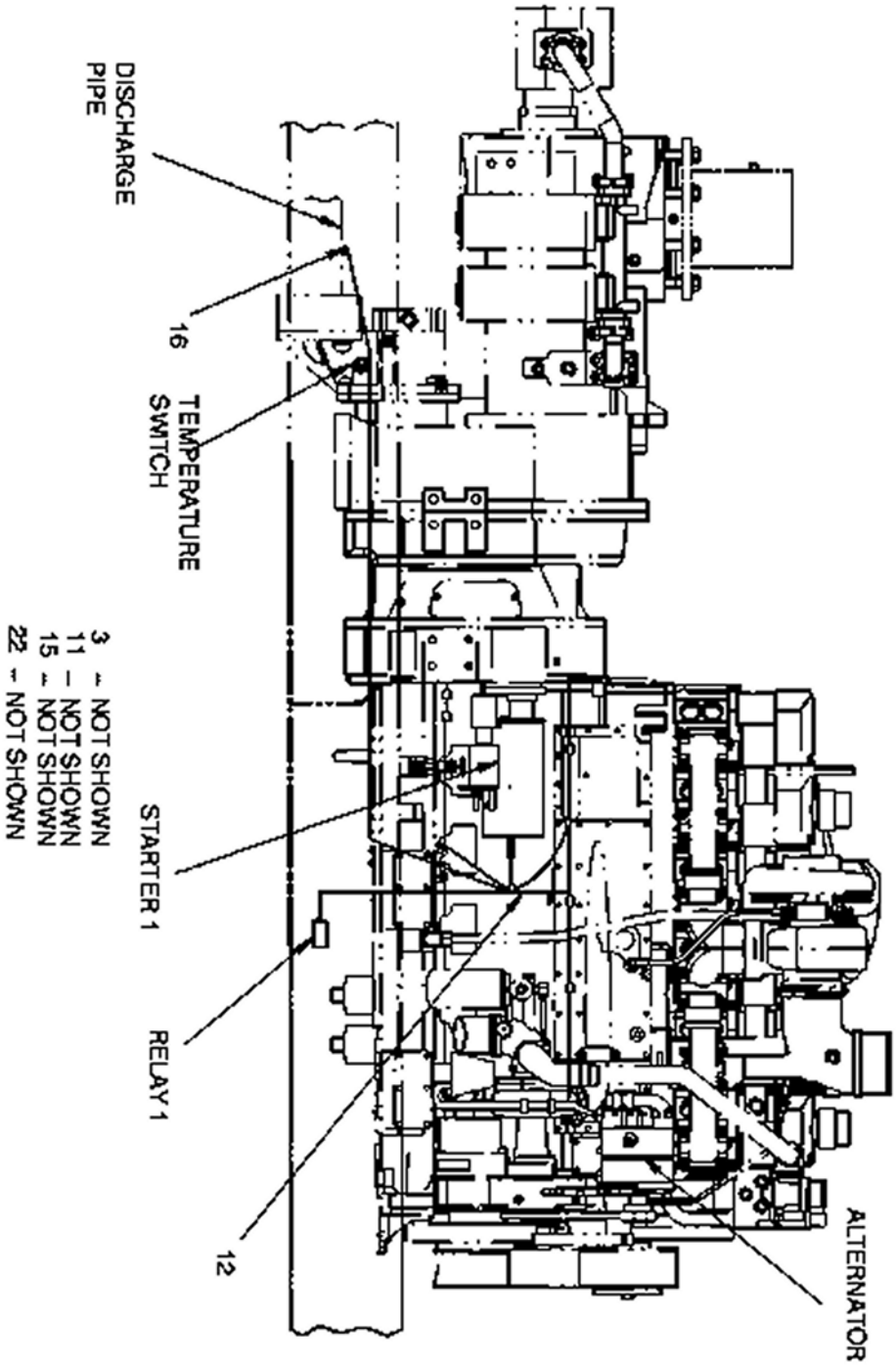


BOM 57791352

57791352 ENGINE,BARE QSX15 600HP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57793705	1.0	EA	ELEMENT,FUEL FILTER	
002.0	57645210	1.0	EA	ELEMENT,FILTER-OIL	
003.0	57929044	1.0	EA	FILTER,SERVICE COOLANT	

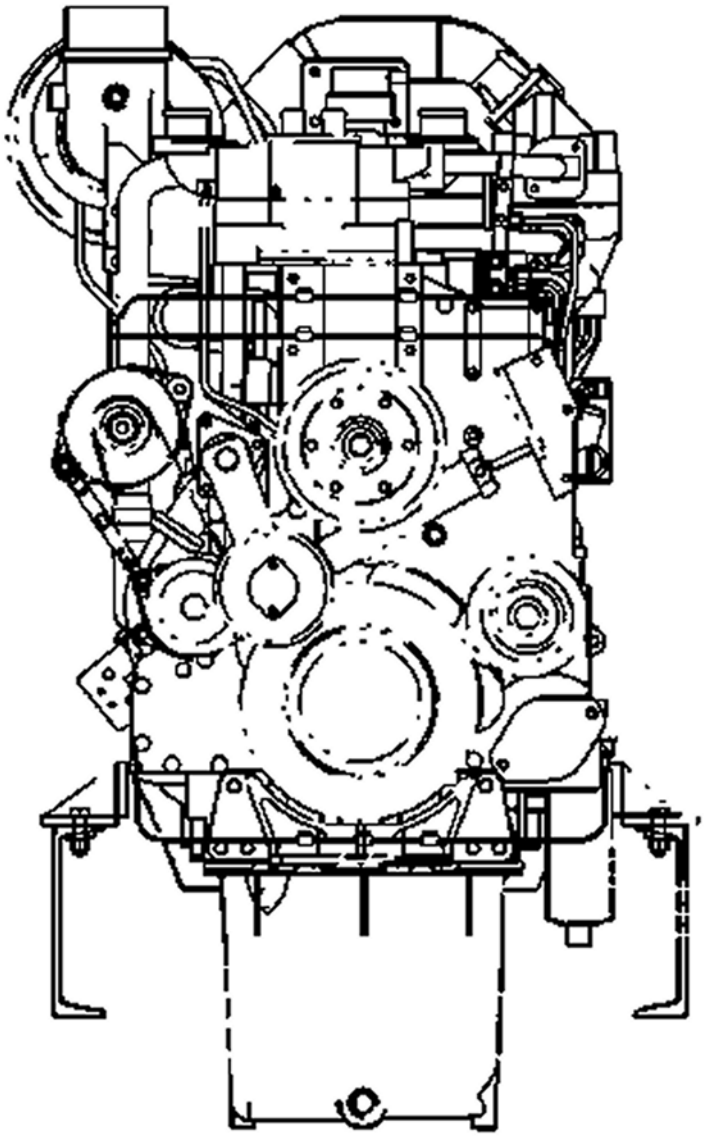
57807653 WIRING,ENGINE QSX 2STR



D2657807653 REV 001

BOM 57807653

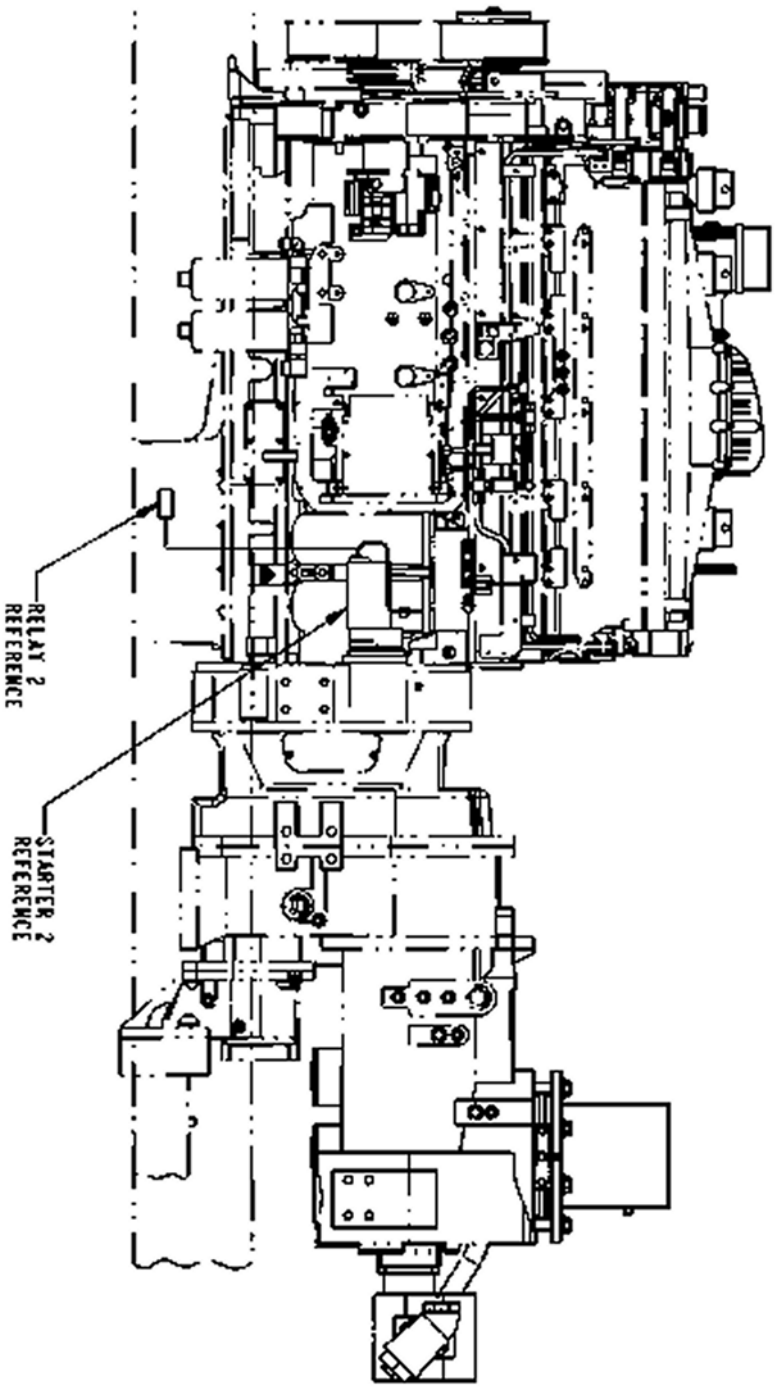
57807653 WIRING,ENGINE QSX 2STR



NOTE: THE WIRING PASSES FROM ONE SIDE OF THE ENGINE TO THE OTHER AT THE FLYWHEEL END EXCEPT FOR THE A/C CLUTCH WIRING

D2657807653 REV 001

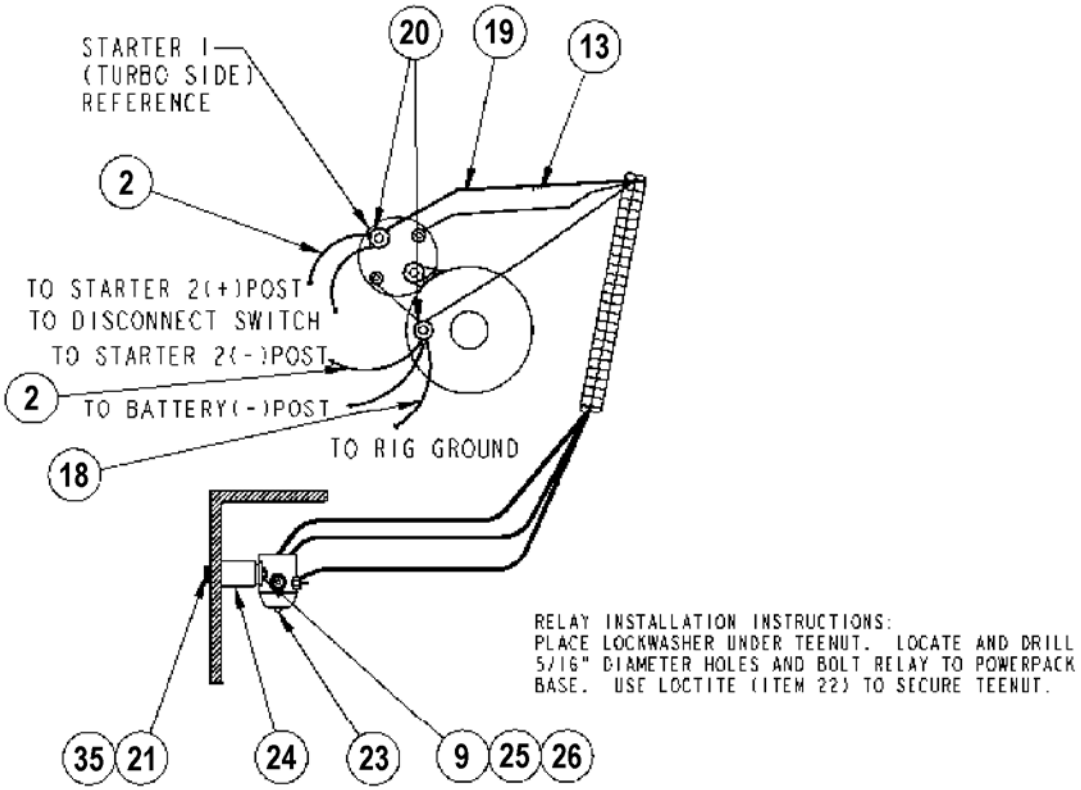
57807653 WIRING,ENGINE QSX 2STR



D2657807653 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

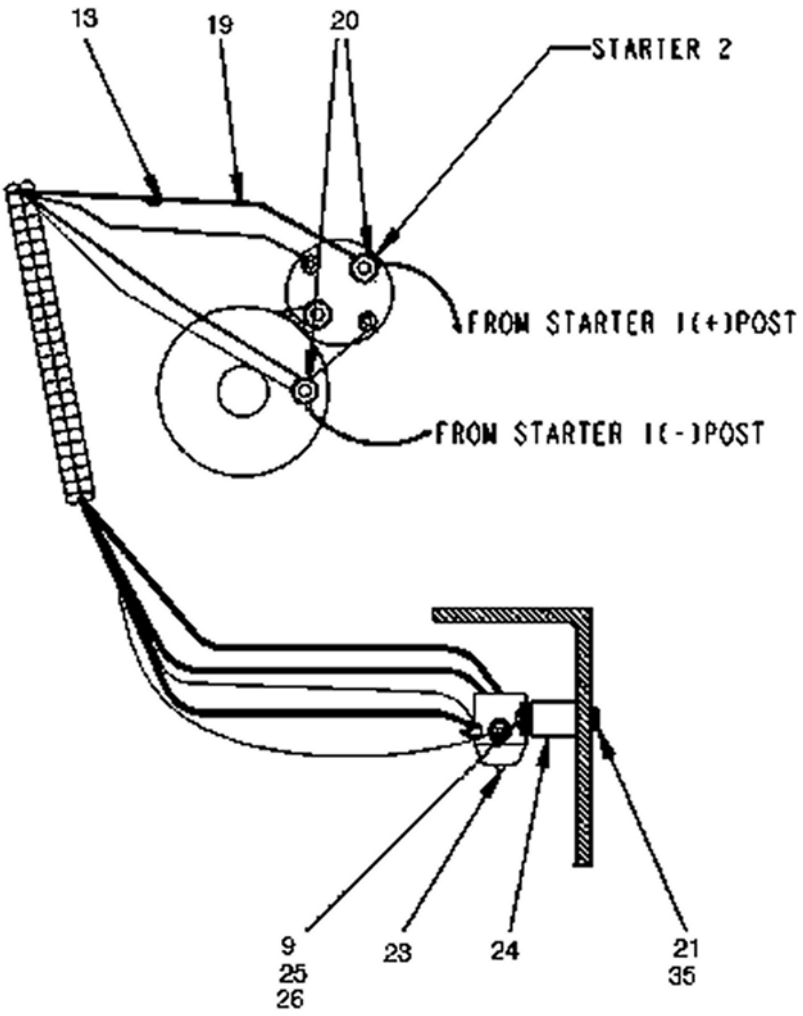
57807653 WIRING,ENGINE QSX 2STR



STARTER WIRING DETAIL

D2657807653 REV 001

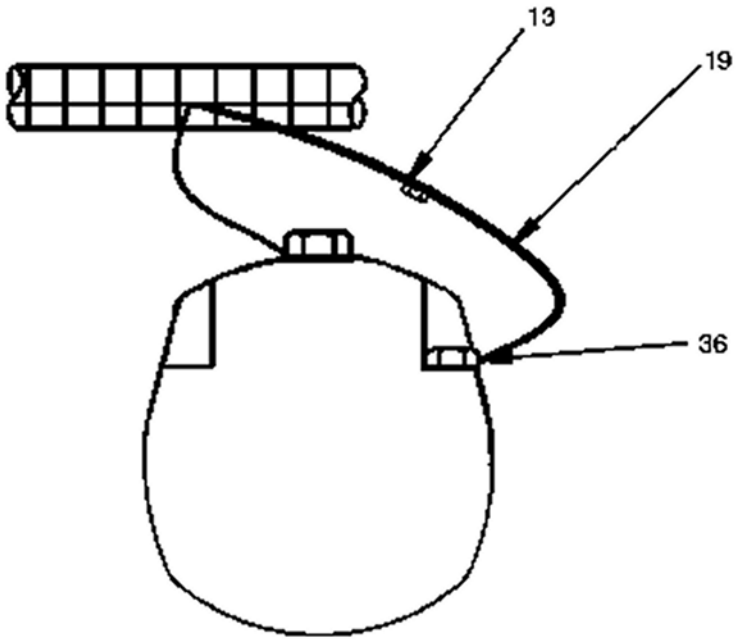
57807653 WIRING,ENGINE QSX 2STR



STARTER WIRING DETAIL

D2657807653 REV 001

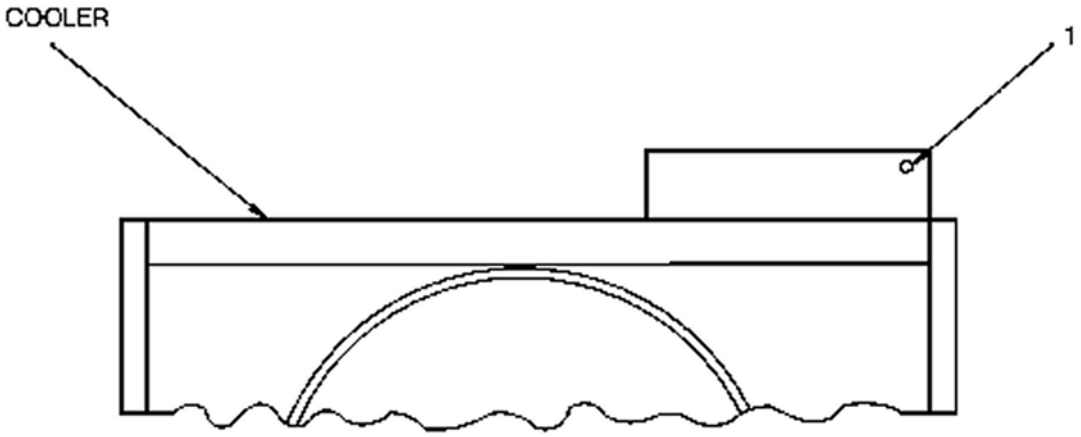
57807653 WIRING,ENGINE QSX 2STR



ALTERNATOR WIRING DETAIL

D2657807653 REV 001

57807653 WIRING,ENGINE QSX 2STR

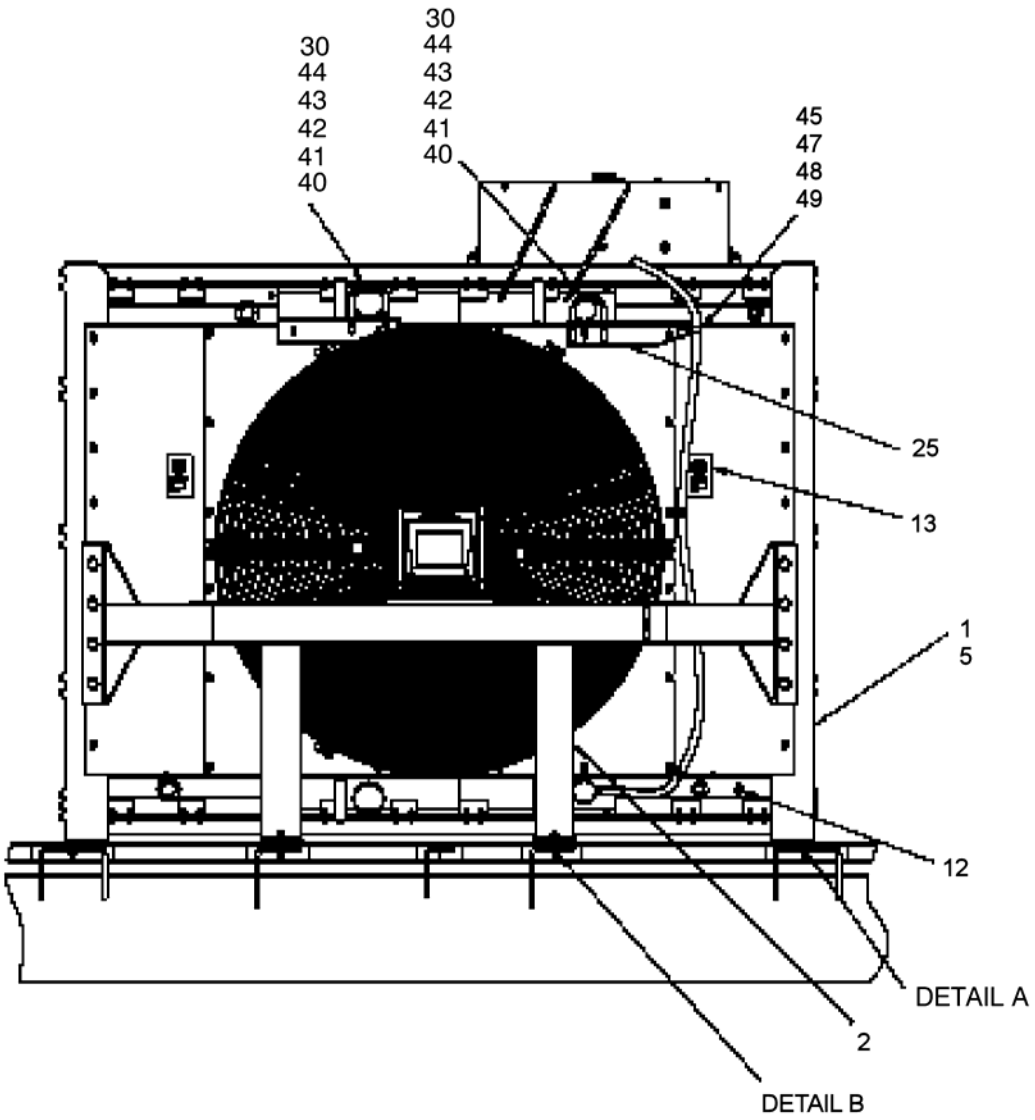


BOM 57807653

57807653 WIRING,ENGINE QSX 2STR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57474140	1.0	EA	SWITCH,COOLANT-N14	
002.0	57412710	2.0	EA	CABLE, STARTER JUMPER	
003.0	95301883	1.0	EA	CLAMP,HOSE	
009.0	95922183	4.0	EA	WASHER,FLAT	
012.0	57803744	1.0	EA	HARNESS,ENGINE,QSX15	
013.0	57086332	3.0	EA	B4B	
015.0	95301859	14.0	EA	CLAMP,HOSE	
016.0	57409104	1.0	EA	SENSOR, 2WIRE-TEMPERTURE	
018.0	52246519	1.0	EA	CABLE,GROUND-1/0 X 36	
019.0	56999360	3.0	EA	WIRE LINK-9	
020.0	95359329	2.0	EA	TERMINAL,12-10,1/2 RING	
021.0	57141939	4.0	EA	FASTENER,1/4-20 TEENUT	
022.0	56784267	0.0010	EA	ADHESIVE	
023.0	59956466	2.0	EA	RELAY,SOLENOID-24VMARINE	
024.0	57139131	4.0	EA	MOUNT,FLEX-BOLTSANDWICH	
025.0	95931564	4.0	EA	NUT,HEX,FINISHED	
026.0	95934766	4.0	EA	WASHER,LOCK,HELICAL	
035.0	95934303	4.0	EA	WASHER,LOCK,PLATED	

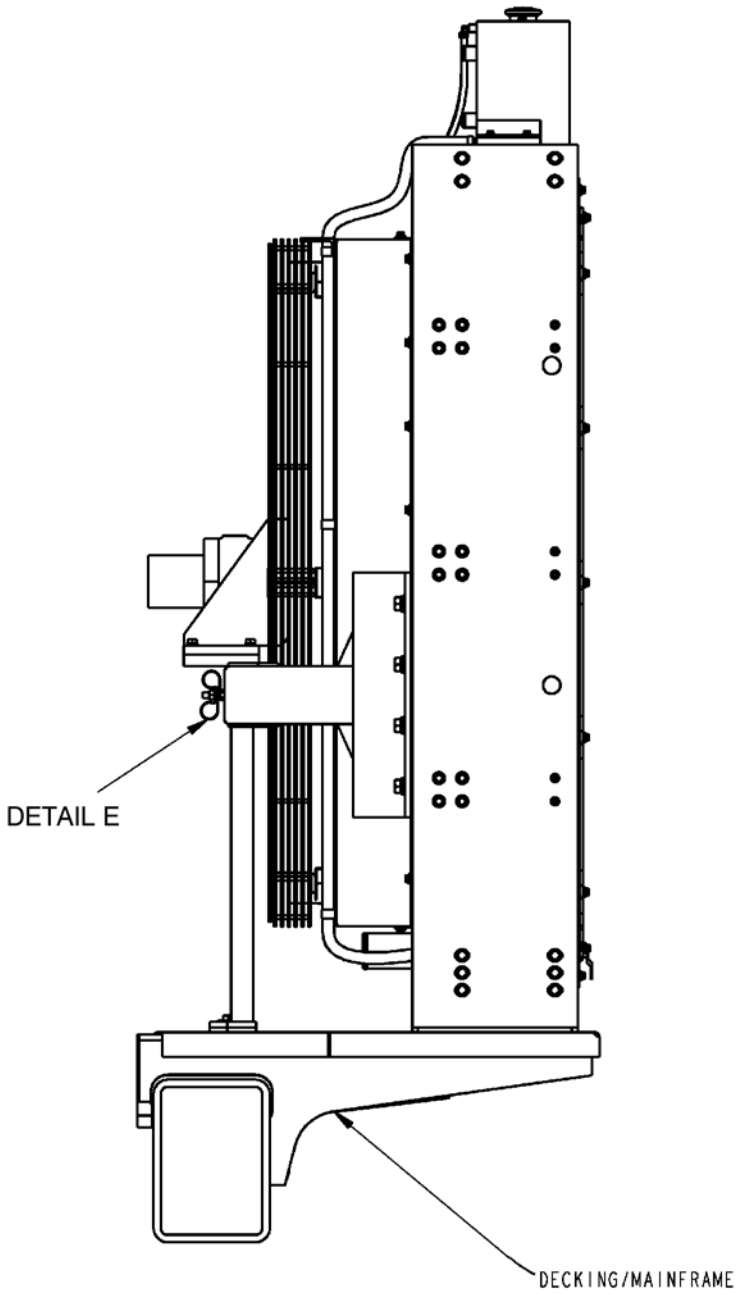
57762551 COOLER,TIER3,ASM



15 – NOT SHOWN
16 – NOT SHOWN
17 – NOT SHOWN
18 – NOT SHOWN

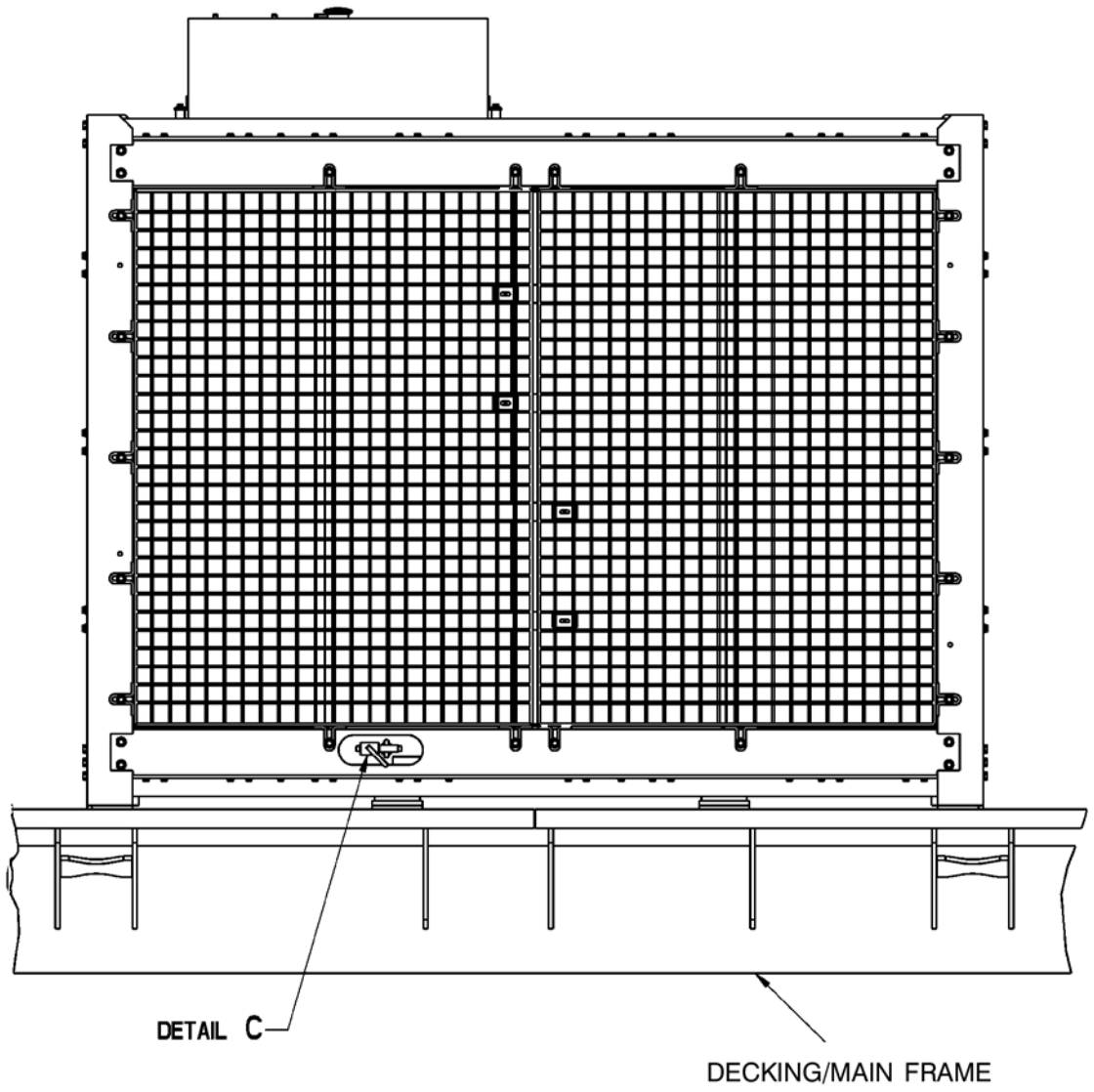
BOM 57762551

57762551 COOLER,TIER3,ASM



D2657762551 REV 003

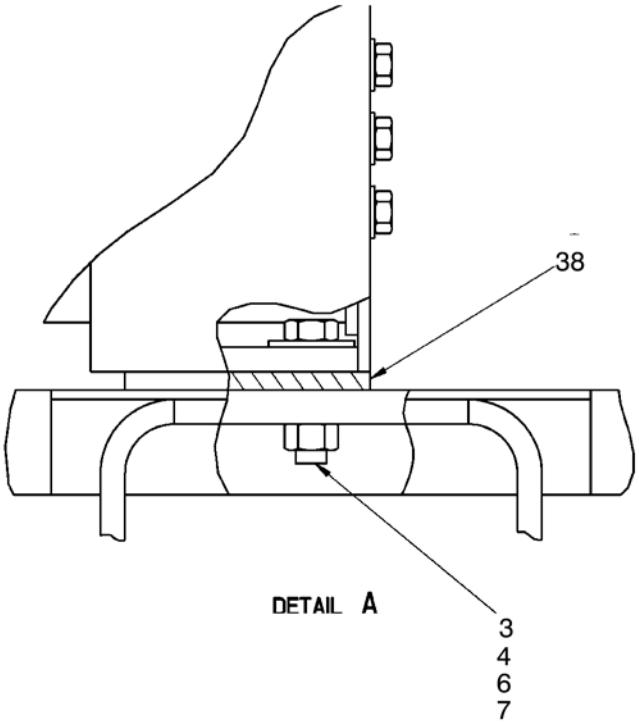
57762551 COOLER,TIER3,ASM



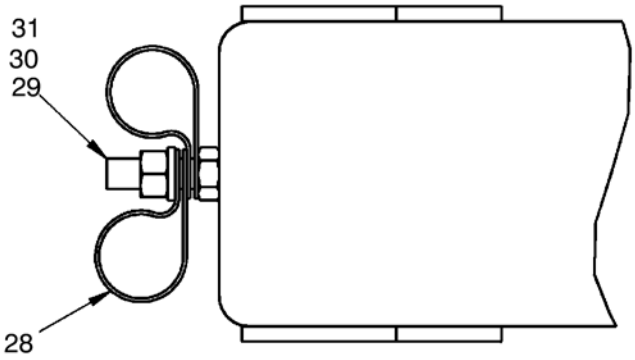
D2657762551 REV 003

BOM 57762551

57762551 COOLER,TIER3,ASM



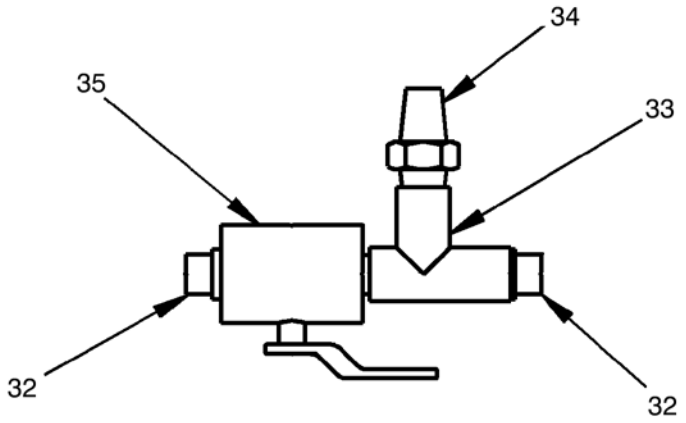
DETAIL A

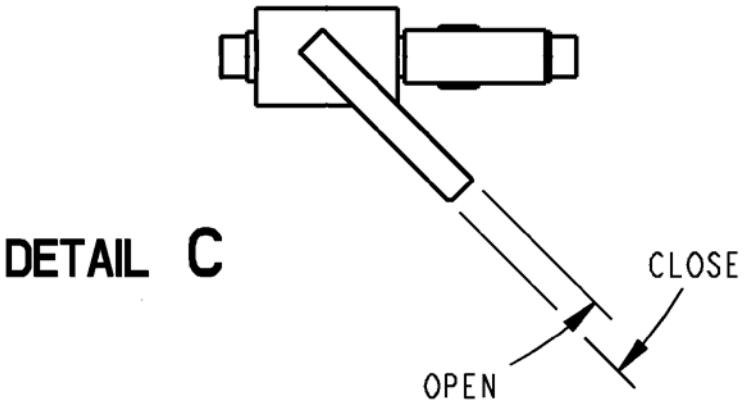


DETAIL D

D2657762551 REV 003

57762551 COOLER,TIER3,ASM

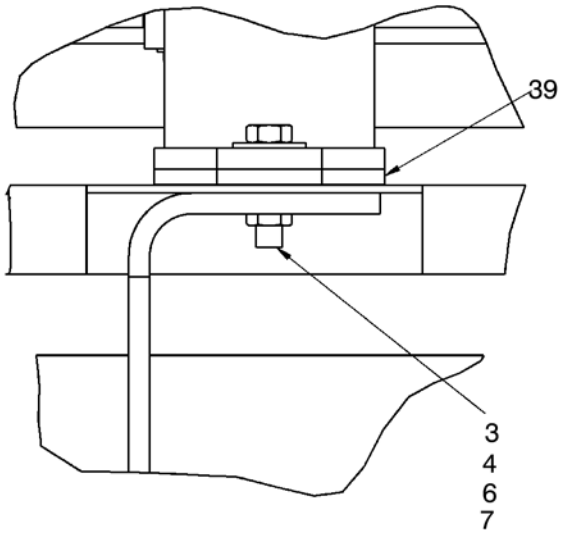




D2657762551 REV 003

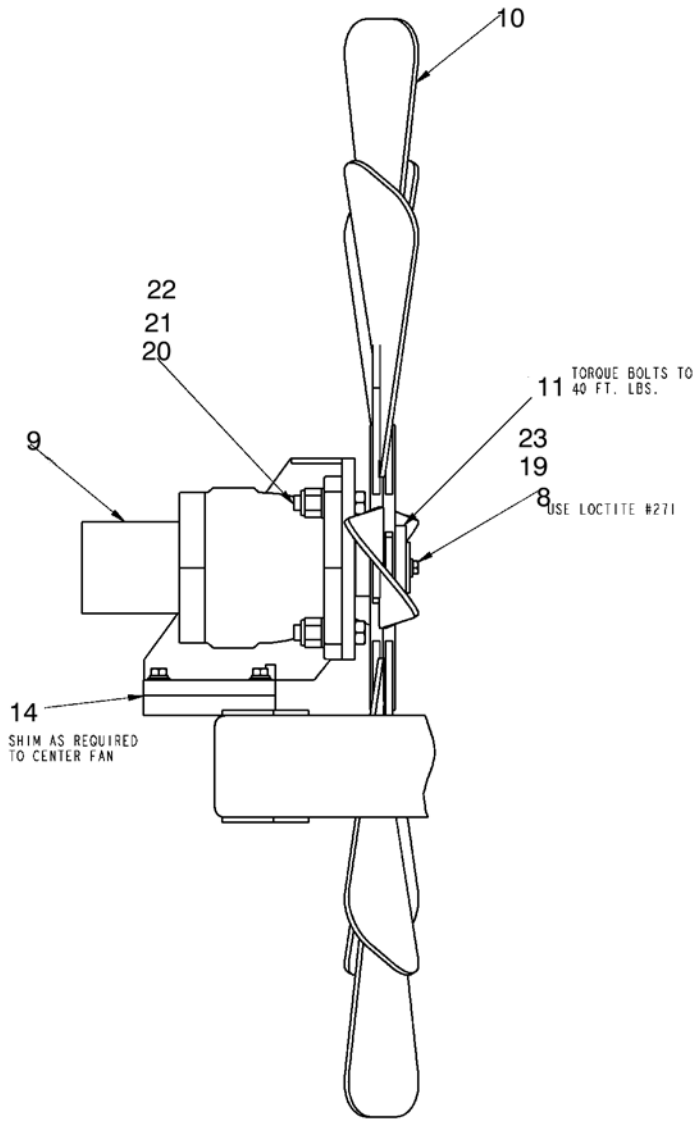
BOM 57762551

57762551 COOLER,TIER3,ASM



DETAIL B

57762551 COOLER,TIER3,ASM



FAN/MOTOR DETAIL

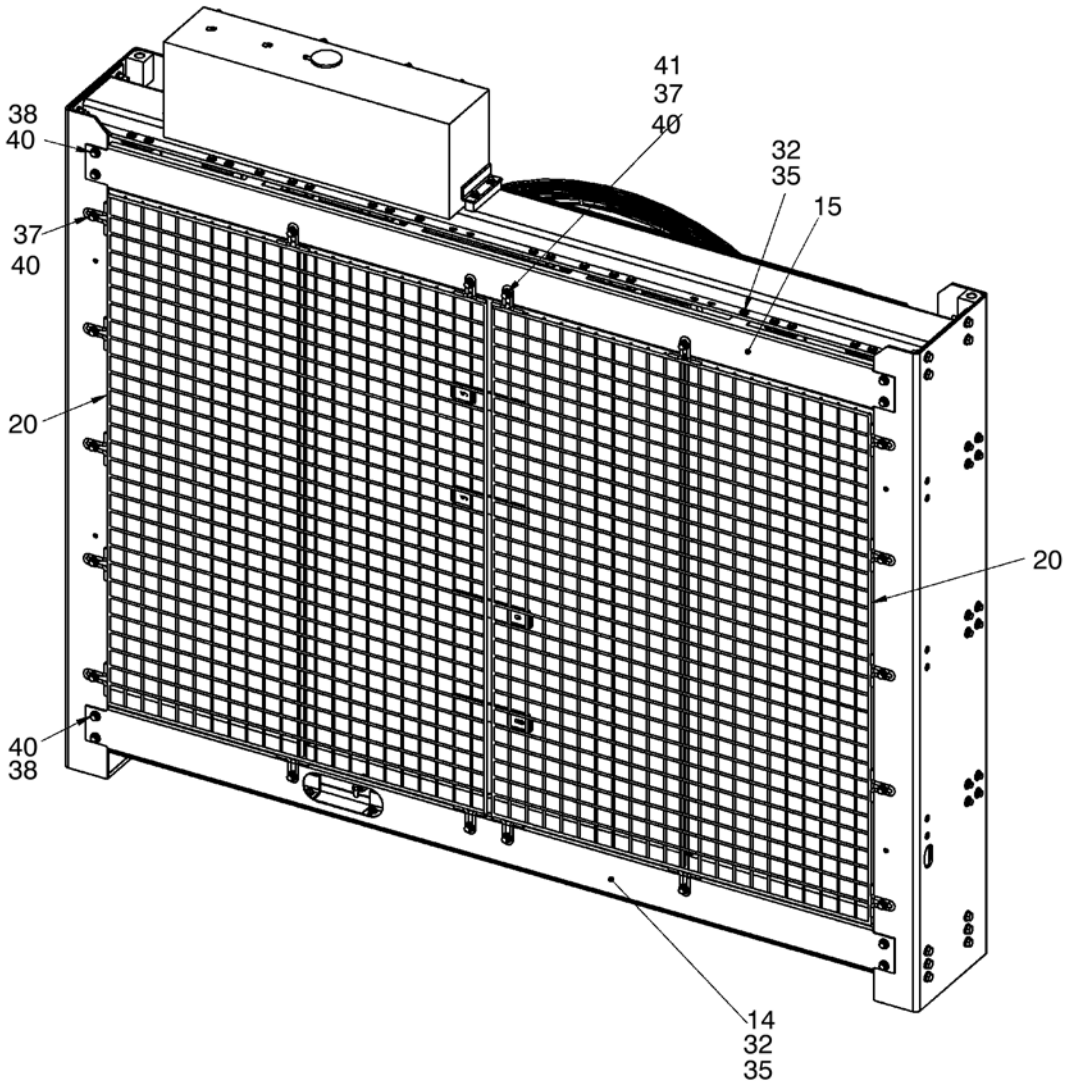
D2657762551 REV 003

BOM 57762551

57762551 COOLER,TIER3,ASM

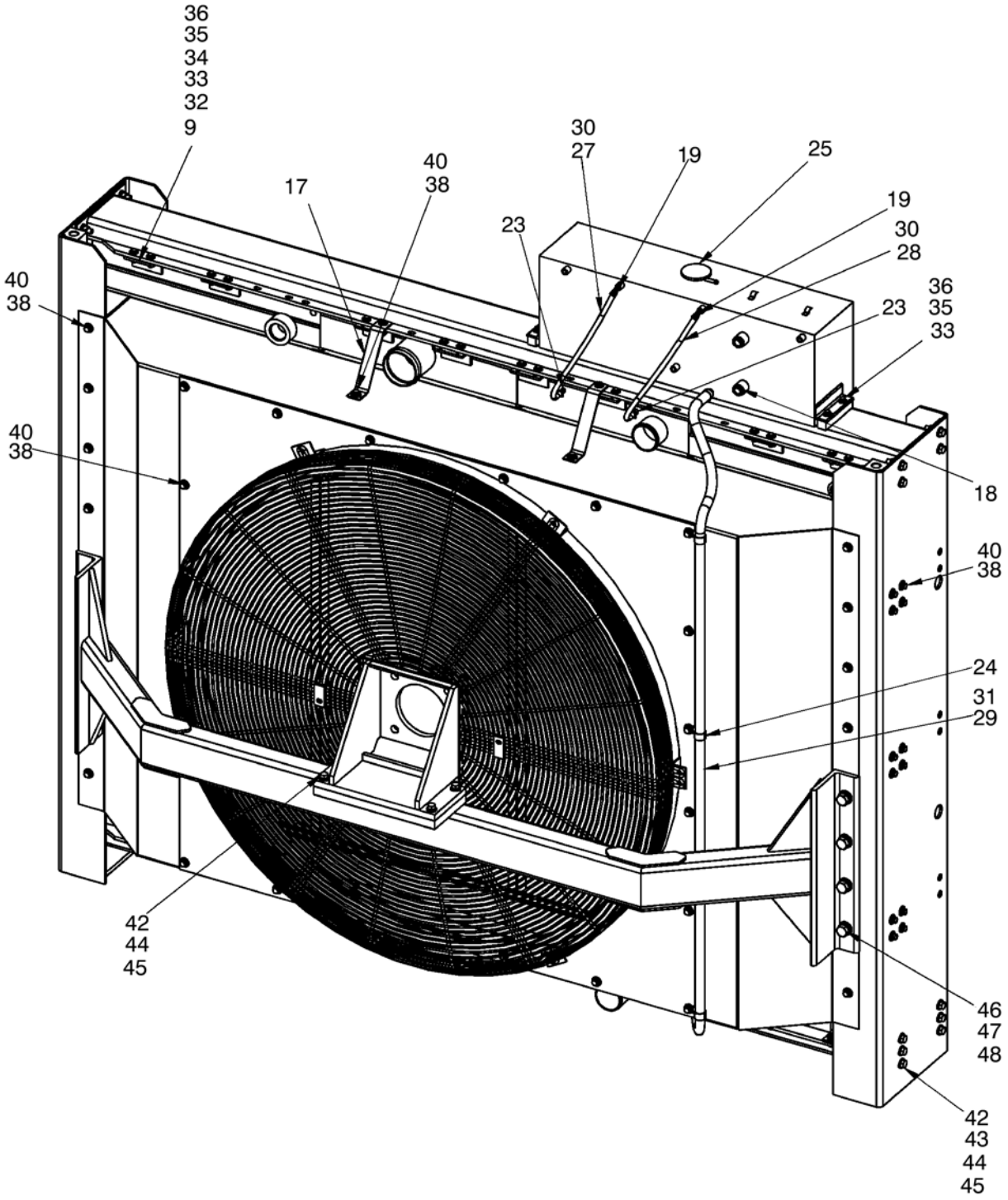
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57762585	1.0	EA	COOLER,TIER 3,525-630HP	**See Page 270**
002.0	57772394	2.0	EA	SUPPORT,LEG,COOLER,TIER3	
003.0	95922910	6.0	EA	NUT,HEX,PLATED	
004.0	95934741	6.0	EA	WASHER,LOCK HELICAL	
005.0	50262526	22.0	GL	ANTI-FREEZE	
006.0	95094314	12.0	EA	WASHER,FLAT,WIDE	
007.0	95934154	6.0	EA	CAPSCREW,HEX	
008.0	95081865	1.0	EA	WASHER,LOCK	
009.0	57657660	1.0	EA	MOTOR,HYDRAULIC FAN	
-	57756561	1.0	EA	- KIT,SEAL	
-	57756553	1.0	EA	- KIT,SHAFT(SHAFT,BRG,KEY)	
010.0	57436024	1.0	EA	FAN BLADE-54IN. 8 BLADE	
011.0	57480980	1.0	EA	BUSHING, TAPER-1.75 BORE	
012.0	95666996	1.0	EA	PLUG,HEX HEAD,STRT THRD	
013.0	57140469	2.0	EA	DECAL,WARNING-ROT.BLADE	
014.0	52223872	8.0	EA	SHIM	
015.0	95301883	1.0	EA	CLAMP,HOSE	
016.0	95922373	1.0	EA	WASHER,FLAT	
017.0	95922894	1.0	EA	NUT,HEX	
018.0	95937413	1.0	EA	WASHER,LOCK,HELICAL	
019.0	58233693	1.0	EA	WASHER,CINCH	
020.0	95077319	4.0	EA	NUT,HEX,STOP	
021.0	95200093	4.0	EA	WASHER,FLAT	
022.0	95935201	4.0	EA	CAPSCREW,HEX	
023.0	96714738	1.0	EA	SCREW	
025.0	57764458	2.0	EA	BRACKET,SUPPORT,PIPE,CLR	
028.0	95457586	2.0	EA	CLAMP,HOSE	
029.0	95209409	1.0	EA	WASHER,LOCK	
030.0	95922902	1.0	EA	NUT,HEX,FINISHED,PLATED	
031.0	95919569	1.0	EA	CAPSCREW	
032.0	95033619	2.0	EA	PLUG,PIPE-1/2 SQ HEAD	
033.0	95264941	1.0	EA	TEE,MALE RUN,NPTF	
034.0	95315214	1.0	EA	NIPPLE,NPTF DRYSEAL	
035.0	50829605	1.0	EA	VALVE,BALL-1/2	
038.0	57783565	2.0	EA	PAD,ANTI-VIBRATION	
039.0	57783573	2.0	EA	PAD,ANTI-VIBE,SUPPORT	
040.0	95934733	2.0	EA	WASHER,LOCK	
041.0	95922902	2.0	EA	NUT,HEX,FINISHED,PLATED	
042.0	95391173	1.0	EA	U-BOLT	
043.0	57762395	1.0	EA	PAD,ANTI-VIBRATION	
044.0	95935003	2.0	EA	WASHER,FLAT	

57762585 COOLER,TIER 3,525-630HP



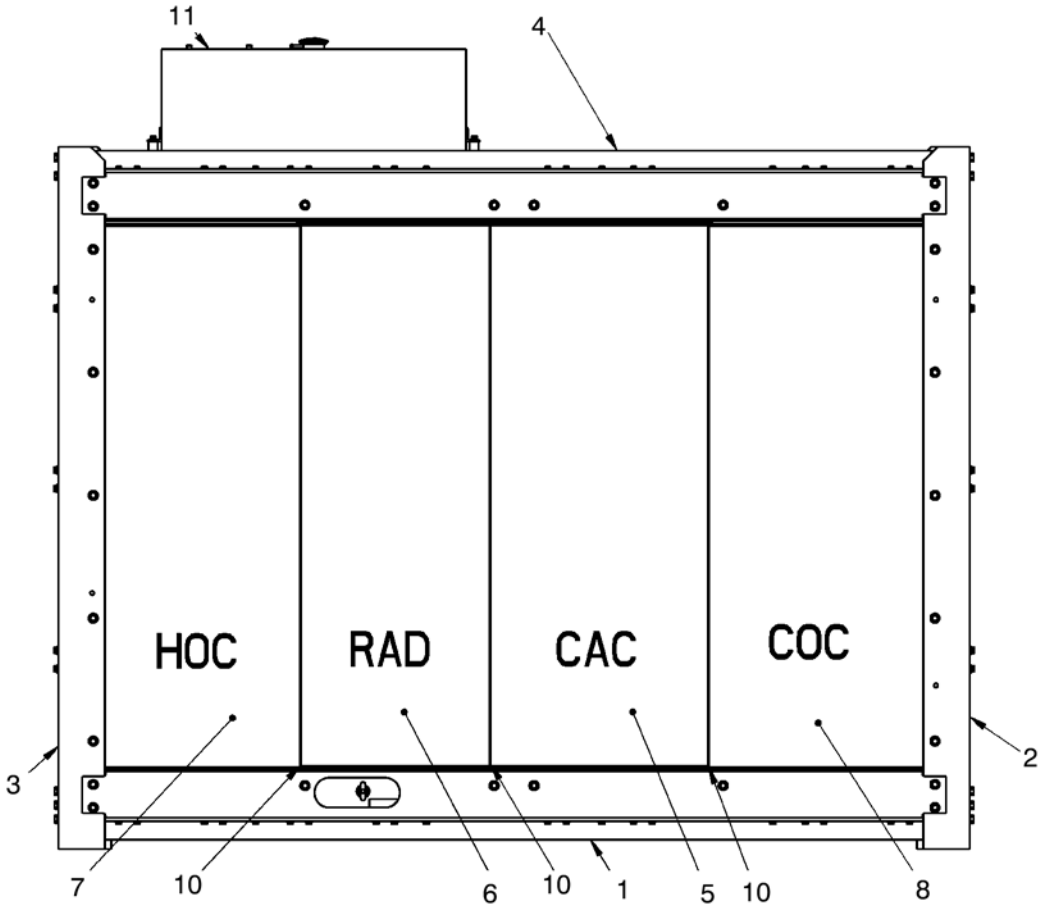
BOM 57762585

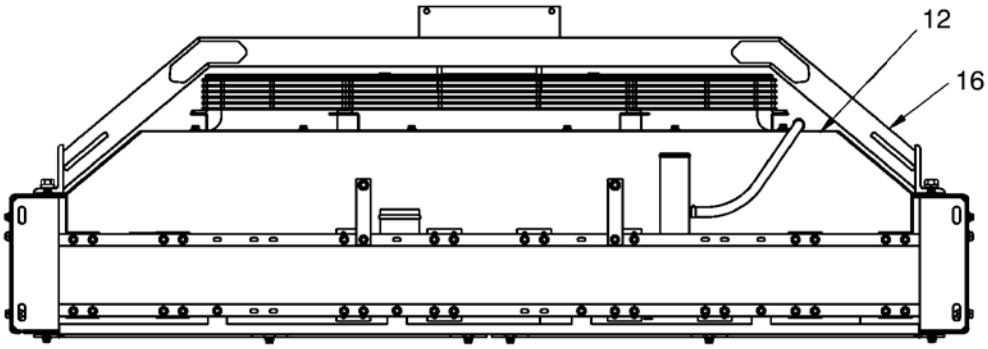
57762585 COOLER,TIER 3,525-630HP



D57762585 REV 001

57762585 COOLER,TIER 3,525-630HP

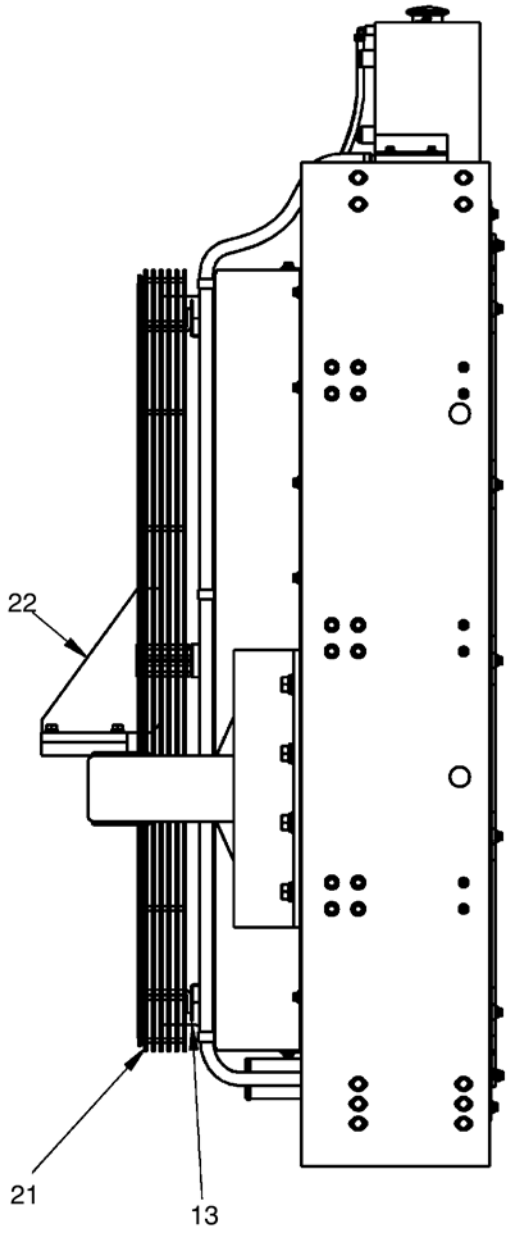




D57762585 REV 001

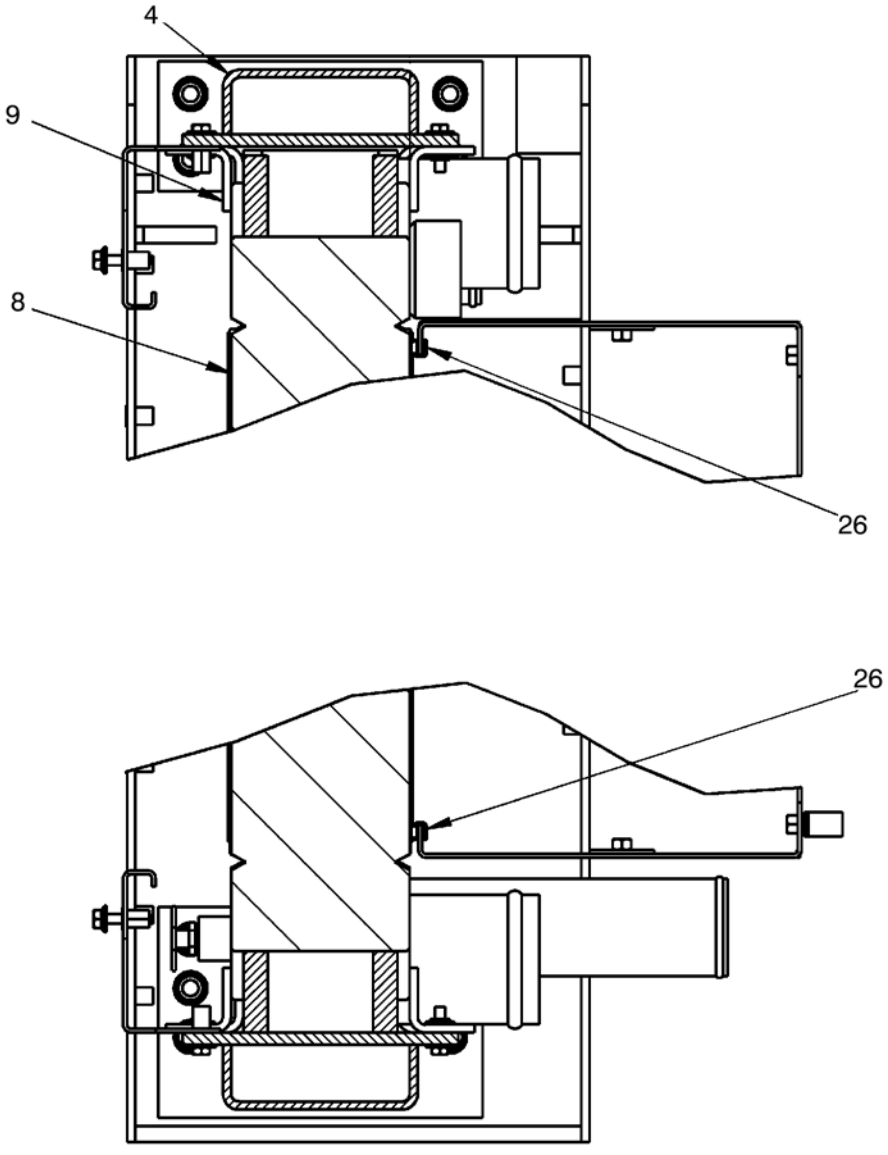
BOM 57762585

57762585 COOLER,TIER 3,525-630HP



D57762585 REV 001

57762585 COOLER,TIER 3,525-630HP

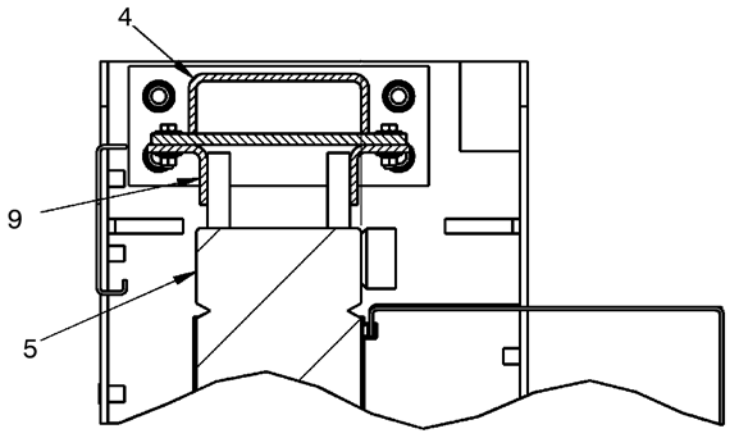


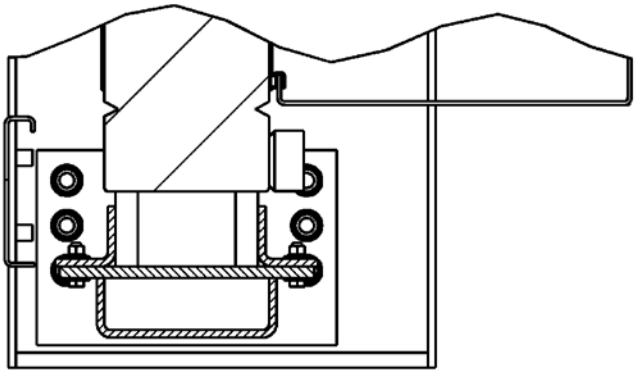
SECTION A-A

D57762585 REV 001

BOM 57762585

57762585 COOLER,TIER 3,525-630HP





SECTION B-B

D57762585 REV 001

BOM 57762585

57762585 COOLER,TIER 3,525-630HP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57775314	1.0	EA	FRAME,COOLER,BOTTOM	
-	57775322	1.0	EA	- RAIL,COOLER FRAME	
-	57775454	2.0	EA	- FLANGE,BOTTOM RAIL	
002.0	57775330	1.0	EA	FRAME,COOLER,RHT CHANNEL	
-	57775348	1.0	EA	- CHANNEL,RIGHT SIDE	
-	57775371	32.0	EA	- INSERT,3/8"THREADED	
003.0	57775355	1.0	EA	FRAME,COOLER,LFT CHANNEL	
-	57775363	1.0	EA	- CHANNEL,LEFT SIDE	
004.0	57775447	1.0	EA	COOLER,FRAME TOP	
-	57775322	1.0	EA	- RAIL,COOLER FRAME	
-	57775462	2.0	EA	- FLANGE,TOP RAIL	
-	57775470	2.0	EA	- BLOCK,SURGE TANK	
005.0	57775520	1.0	EA	CAC,HEAT EXCHANGER	
006.0	57775538	1.0	EA	RADIATOR,HEAT EXCHANGER	
007.0	57775546	1.0	EA	HOC,HEAT EXCHANGER	
008.0	57775553	1.0	EA	COC,HEAT EXCHANGER	
009.0	57775389	32.0	EA	BRACKET,RETAINER	
010.0	57775397	3.0	EA	SEPARATOR,HEAT EXCHANGER	
011.0	57782856	1.0	EA	TANK,SURGE	
012.0	57775405	1.0	EA	SHROUD,ASSEMBLY	
-	57725574	1.0	EA	- SHROUD	
-	95922894	24.0	EA	- NUT,HEX	
013.0	57736878	1.0	EA	SHROUD,ROLLED RING	
014.0	57782781	1.0	EA	PANEL,BOTTOM,REAR,ASM	
-	57775306	1.0	EA	- PANEL,BOTTOM,REAR	
-	57782807	8.0	EA	- INSERT,THREADED,3/8"	
015.0	57782799	1.0	EA	PANEL,TOP,REAR,ASM	
-	57775421	1.0	EA	- PANEL,TOP,REAR	
-	57782807	8.0	EA	- INSERT,THREADED,3/8"	
016.0	57736803	1.0	EA	MOUNT,MOTOR,ASM	
017.0	57775496	4.0	EA	STRAP,SHROUD	
018.0	57547580	2.0	EA	GAUGE,SIGHT	
019.0	57547614	2.0	EA	BARB,HOSE	
020.0	57736779	2.0	EA	GUARD,WIRE TRASH (HALF)	
021.0	57736837	1.0	EA	GUARD,FINGER 56" SYM	
022.0	57736845	1.0	EA	BRACKET,MOTOR	
023.0	57775439	2.0	EA	FITTING,BARBED HOSE	
024.0	95301883	3.0	EA	CLAMP,HOSE	
025.0	51792323	1.0	EA	CAP,RADIATOR	
026.0	57775413	2.0	EA	SEAL,TRIM	
027.0	57775488	18.0	IN	HOSE,BULK	

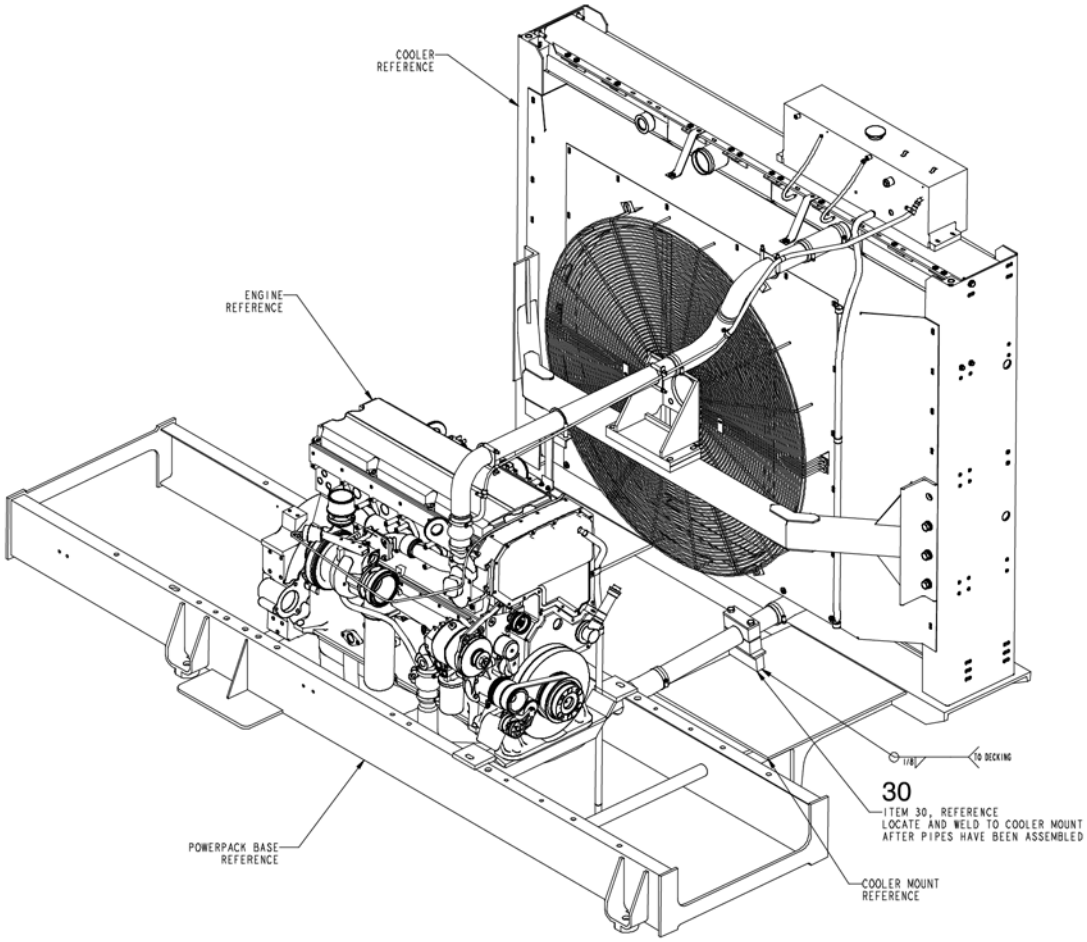
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

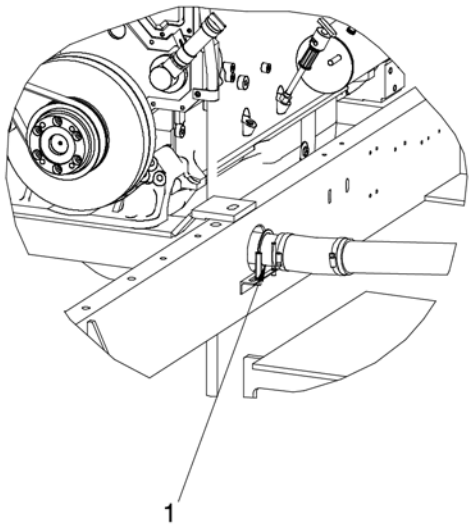
BOM 57762585

57762585 COOLER,TIER 3,525-630HP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
028.0	57775488	18.0	IN	HOSE,BULK	
029.0	57775504	132.0	IN	HOSE,BULK	
030.0	95220844	4.0	EA	CLAMP,HOSE	
031.0	95301370	2.0	EA	CLAMP,HOSE	
032.0	95935227	72.0	EA	CAPSCREW	
033.0	95916821	4.0	EA	CAPSCREW,HEX	
034.0	95077665	64.0	EA	NUT,HEX FINISHED,BRASS	
035.0	95922225	140.0	EA	WASHER,FLAT	
036.0	95934303	68.0	EA	WASHER,LOCK,PLATED	
037.0	95237079	18.0	EA	SCREW,FLANGE,CAP HEX	
038.0	95366761	66.0	EA	SCREW,FLANGE,CAP HEX	
040.0	95922233	84.0	EA	WASHER,FLAT,WIDE	
041.0	95937413	8.0	EA	WASHER,LOCK,HELICAL	
042.0	95035408	24.0	EA	CAPSCREW,HX	
043.0	95922902	20.0	EA	NUT,HEX,FINISHED,PLATED	
044.0	95064697	44.0	EA	WASHER,FLAT 1/2	
045.0	95934733	24.0	EA	WASHER,LOCK	
046.0	95920021	8.0	EA	CAPSCREW/35A2A377Z1HR	
047.0	95200093	8.0	EA	WASHER,FLAT	
048.0	95934691	8.0	EA	WASHER,LOCK,HELICAL	

57790560 PIPING,RADIATOR,QSX,ASM

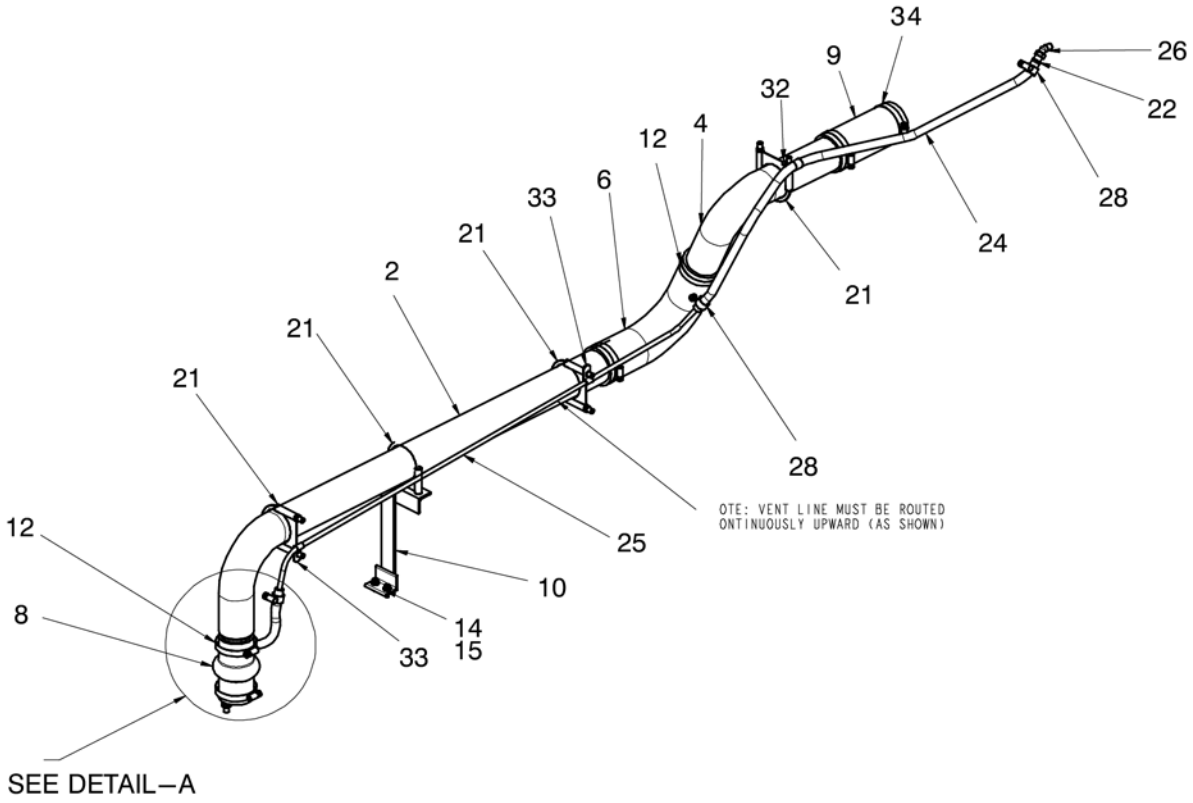


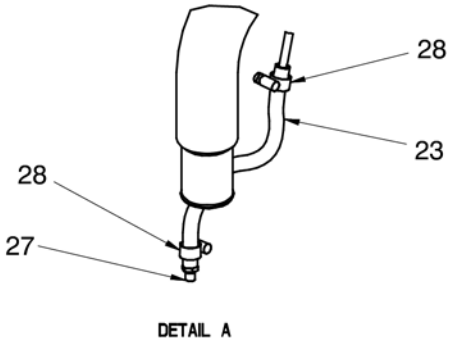


D2657790560 REV 002

BOM 57790560

57790560 PIPING,RADIATOR,QSX,ASM

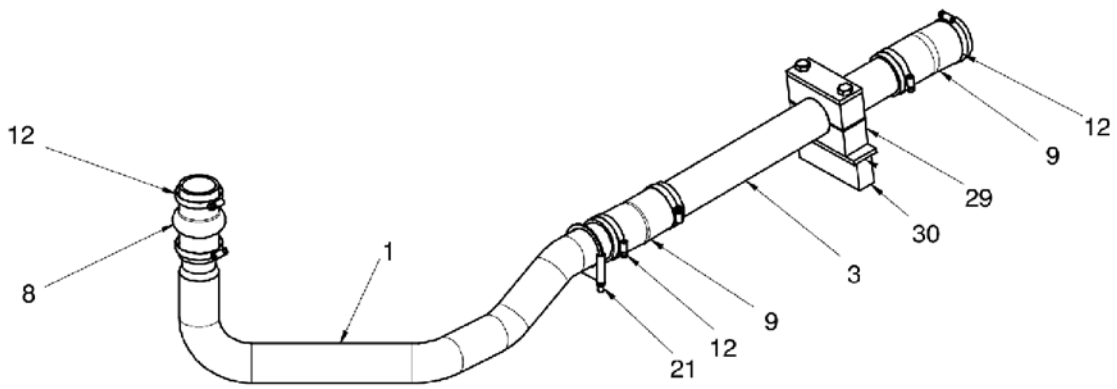




DETAIL A

D2657790560 REV 002

57790560 PIPING,RADIATOR,QSX,ASM



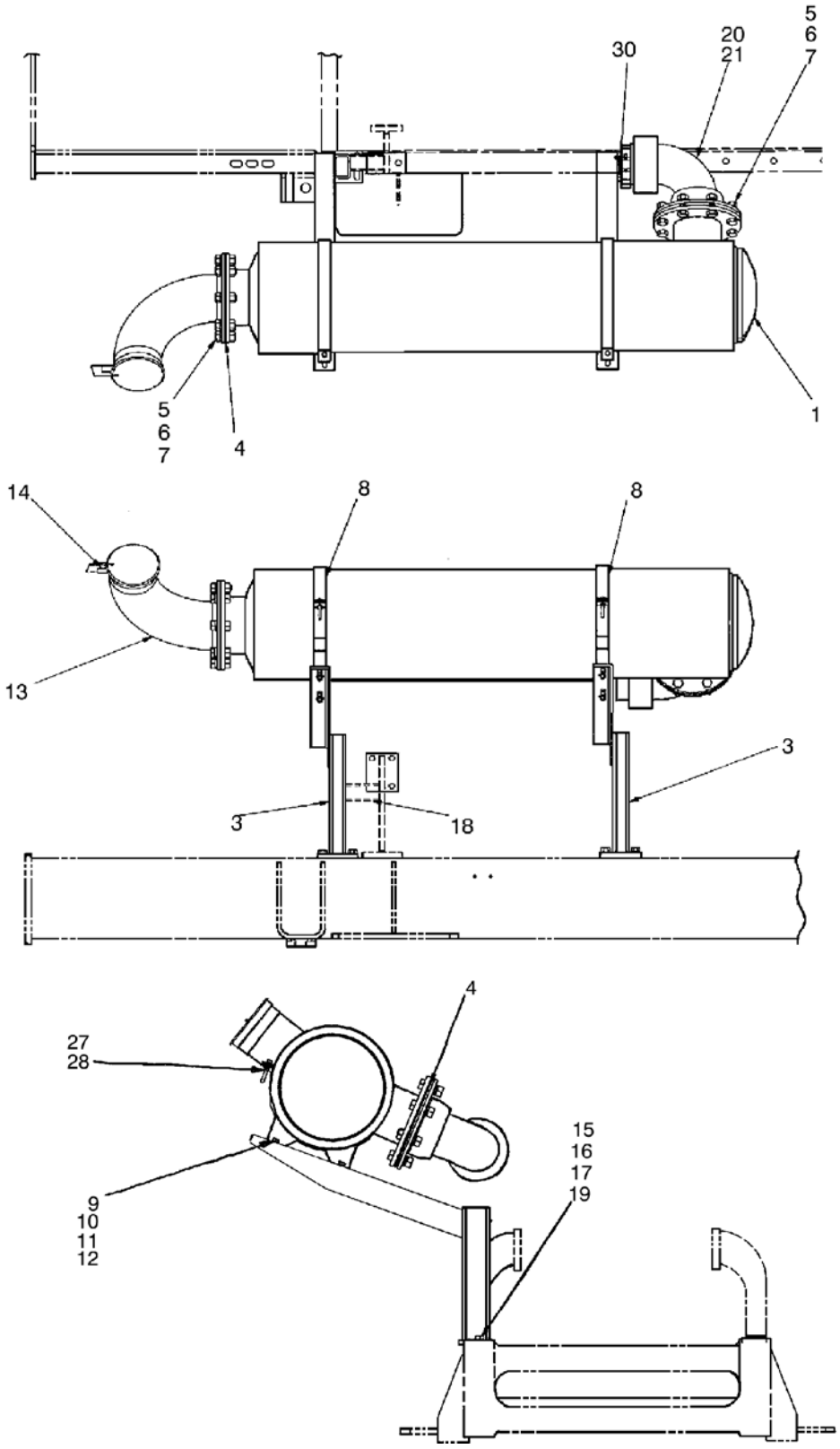
D2657790560 REV 002

BOM 57790560

57790560 PIPING,RADIATOR,QSX,ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57826372	1.0	EA	PIPE,RADIATOR QSX15	
002.0	57776155	1.0	EA	PIPE,RADIATOR,DML	
003.0	57826380	1.0	EA	PIPE,RADIATOR QSX15	
004.0	57645293	1.0	EA	PIPE,COOLER INLET	
006.0	56256522	1.0	EA	ELBOW,3, 90DEG,COOLANT	
008.0	50463645	2.0	EA	HOSE HUMP	
009.0	57213399	3.0	EA	HOSE, RADIATOR	
-	57101750	8.0	IN	- HOSE, RADIATOR	
010.0	57793739	1.0	EA	BRACKET,SUPPORT,RAD PIPE	
012.0	95264768	6.0	EA	CLAMP HOSE	
014.0	96727193	2.0	EA	BOLT	
015.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
021.0	52246154	5.0	EA	CLAMP	
022.0	59506436	1.0	EA	FITTING,HOSE	
025.0	57776148	1.0	EA	TUBE,VENT,DML	
026.0	95279071	1.0	EA	FITTING,HYD	
027.0	57793721	1.0	EA	ADAPTOR,METRC ORING-BARB	
028.0	52230836	4.0	EA	CLAMP,HOSE	
029.0	56943699	1.0	EA	CLAMP ASSY	
030.0	57039596	1.0	EA	BAR,FLAT	
032.0	95351904	1.0	EA	CLAMP,HOSE	
033.0	95301834	2.0	EA	CLAMP,HOSE	
034.0	50905181	6.0	EA	CLAMP, HOSE	

57643637 EXHAUST,QSX,INSTL



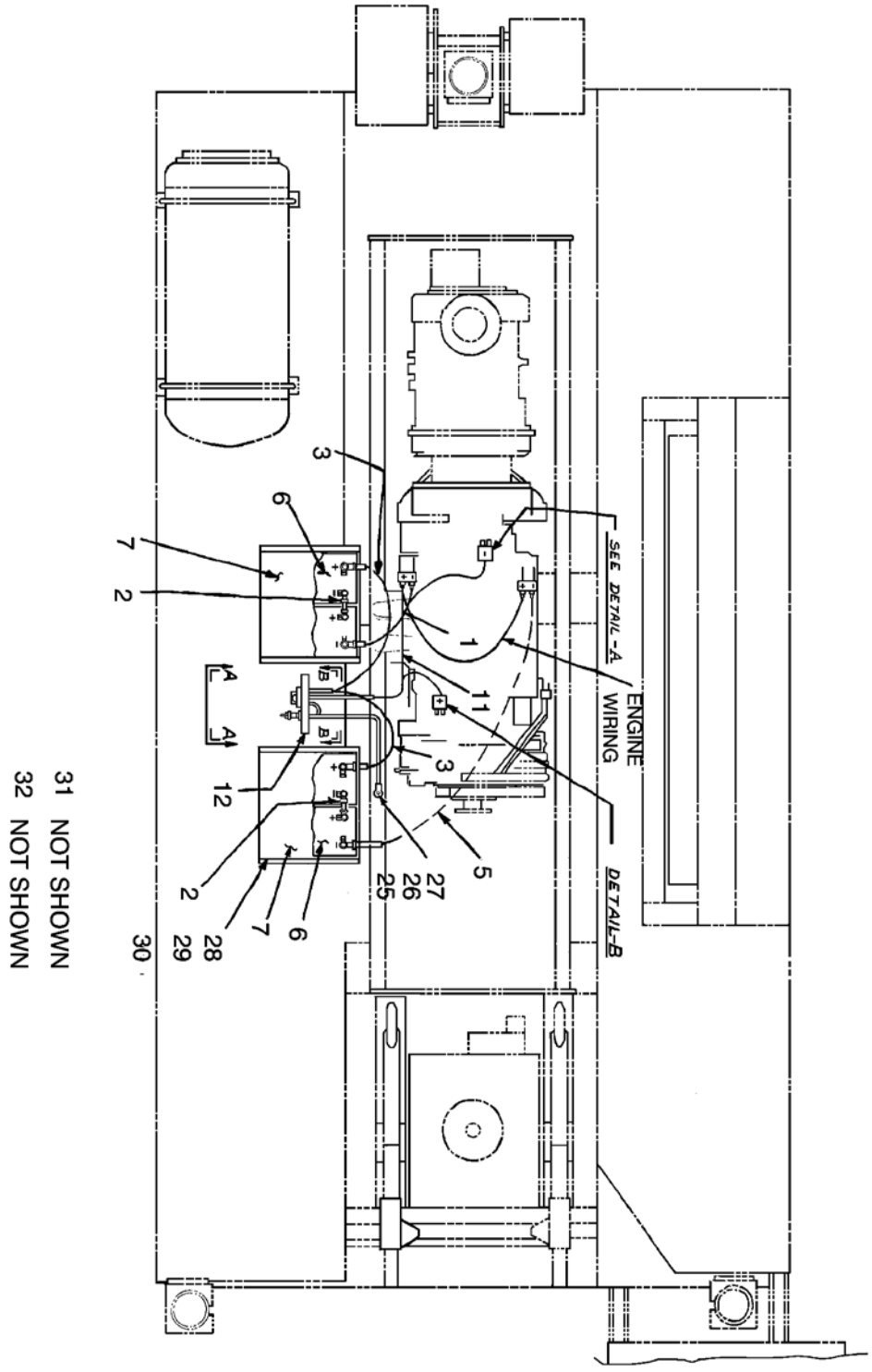
D57643637 REV 002

BOM 57643637

57643637 EXHAUST,QSX,INSTL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57662124	1.0	EA	SILENCER	
-	57574196	1.0	EA	- SILENCER,ALUMINIZED 6"	
003.0	57661779	2.0	EA	BRACKET,SILENCER SUPPORT	
004.0	50419670	2.0	EA	GASKET	
005.0	95934378	8.0	EA	CAPSCREW,HEX	
006.0	95934691	8.0	EA	WASHER,LOCK,HELICAL	
007.0	95922928	8.0	EA	NUT,HEX,FINISHED	
008.0	57784951	2.0	EA	BAND,SILENCER,13.68"	
-	50279413	1.0	EA	- BAND,MOUNTING-AIRCLEANR	
009.0	95920674	4.0	EA	CAPSCREW,HEX	
010.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
011.0	95922894	4.0	EA	NUT,HEX	
012.0	95922233	4.0	EA	WASHER,FLAT,WIDE	
013.0	50622810	1.0	EA	PIPE, EXHAUST ELBOW	
014.0	50469238	1.0	EA	CAP, WEATHER	
015.0	95930723	4.0	EA	CAPSCREW,HEX	
016.0	54573704	4.0	EA	WASHER,BEVEL,SQ,PLATED	
017.0	95077590	4.0	EA	NUT,HEX,STOP	
018.0	57071755	1.0	EA	TUBE,SQUARE	
019.0	95094314	4.0	EA	WASHER,FLAT,WIDE	
020.0	57442535	1.0	EA	ELBOW, FLEX-W/FLANGE	
021.0	57704124	1.0	EA	BLANKET,EXHAUST ELBOW	
027.0	95920716	2.0	EA	CAPSCREW	
028.0	95922829	2.0	EA	NUT,ELASTIC LOCK	
030.0	52175023	1.0	EA	CLAMP, EXHAUST-TURBO	

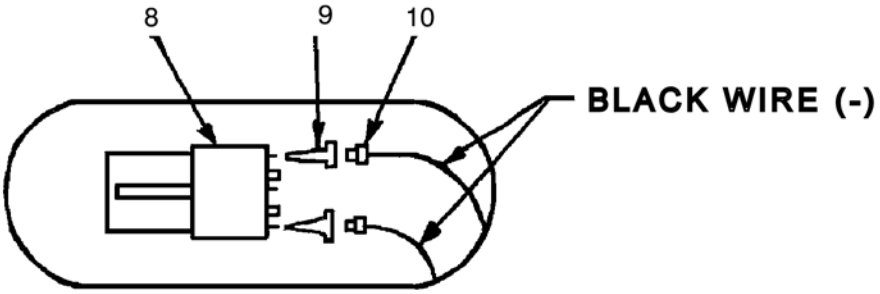
57651390 BATTERY,INSTL,4 BATTERY



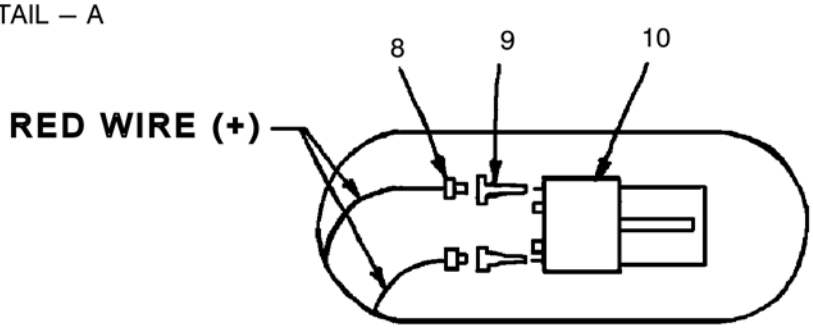
D2657651390 REV 003

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

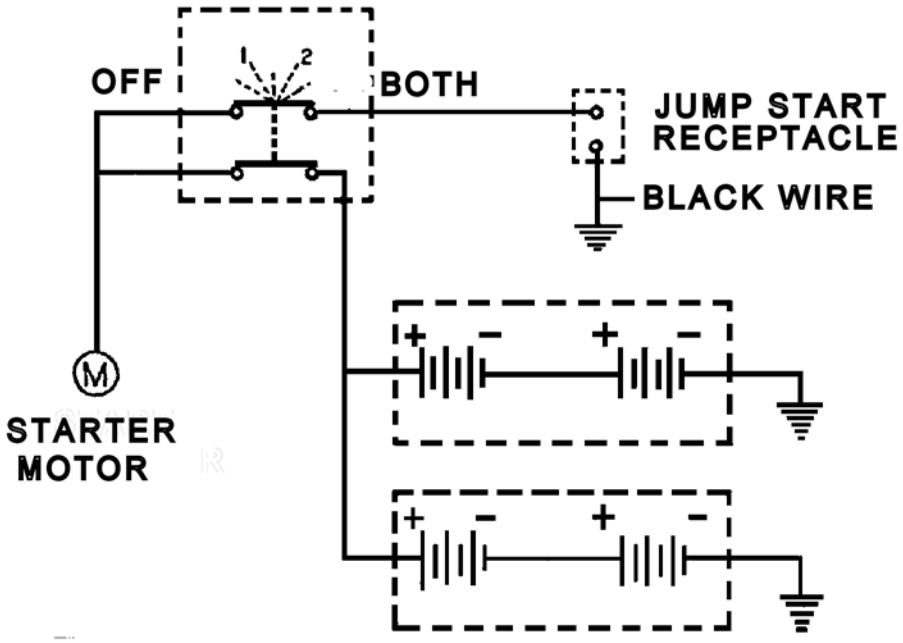
57651390 BATTERY,INSTL,4 BATTERY



DETAIL – A

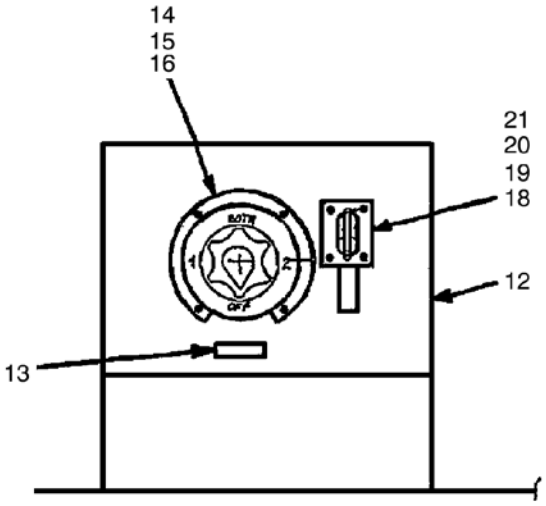


DETAIL – B

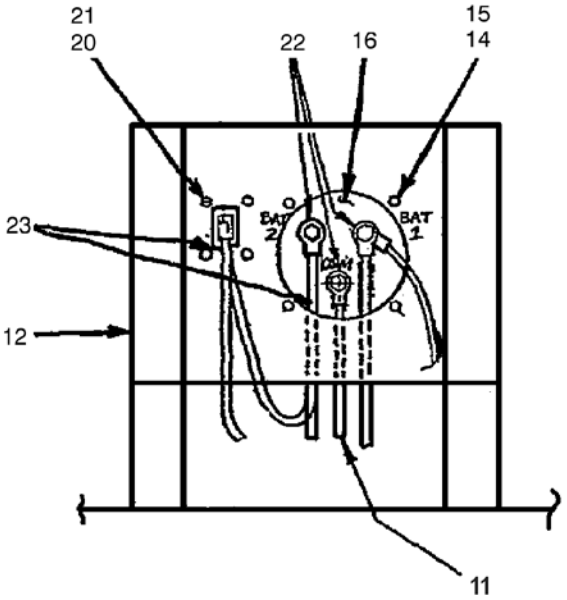


D2657651390 REV 003

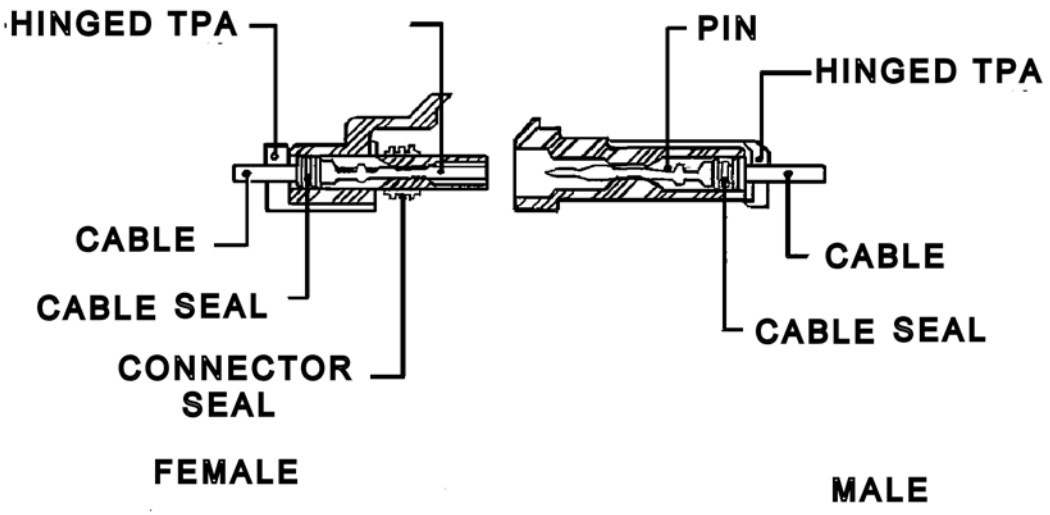
57651390 BATTERY,INSTL,4 BATTERY



VIEW A-A



VIEW B-B



FEMALE

MALE

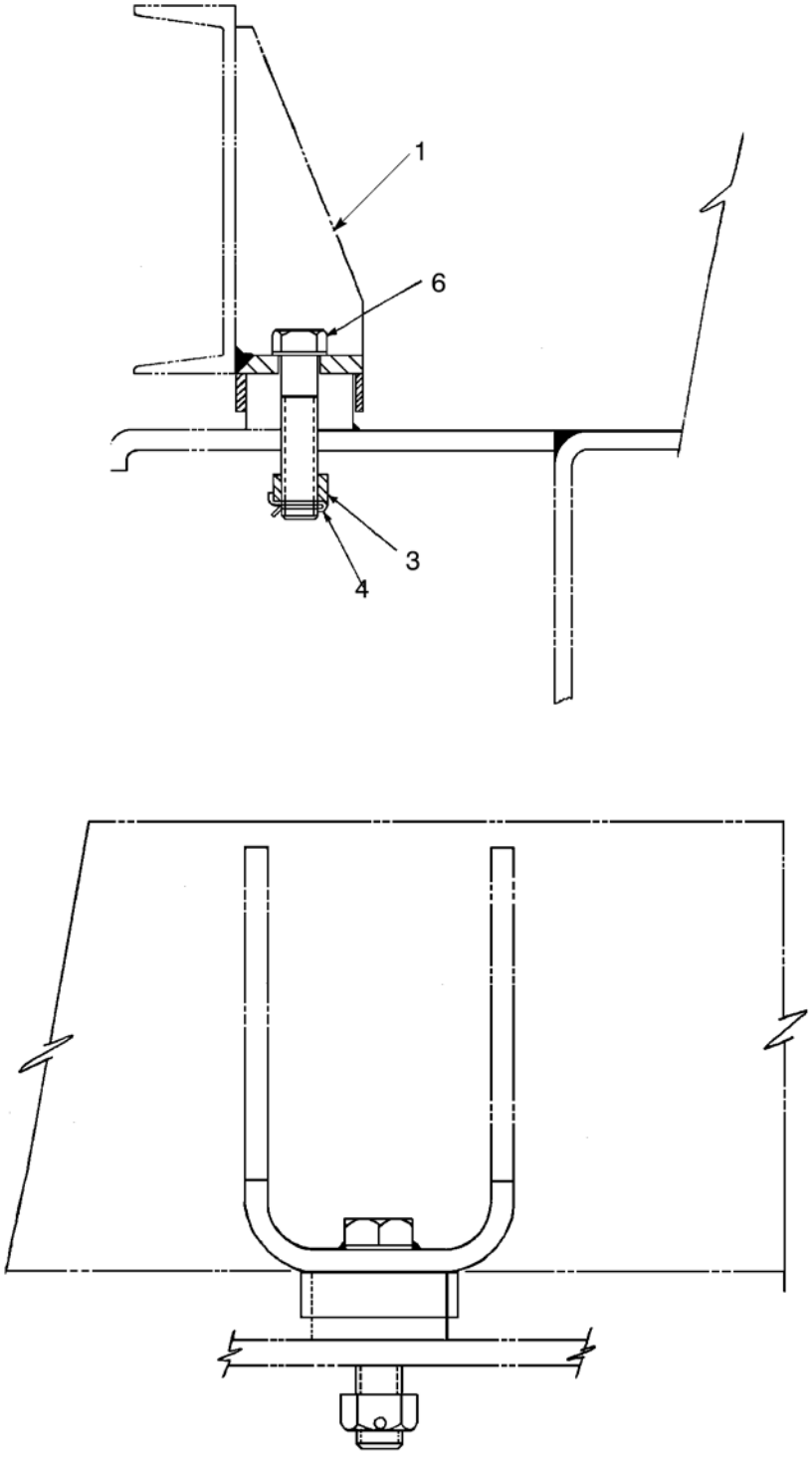
D2657651390 REV 003

BOM 57651390

57651390 BATTERY,INSTL,4 BATTERY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57705063	1.0	EA	CABLE,BATTERY-NEGATIVE	
002.0	30441570	2.0	EA	CABLE,BATTERY	
003.0	57705048	2.0	EA	CABLE,BATTERY-POSITIVE	
005.0	51869907	1.0	EA	CABLE,BATTERY,NEGATIVE	
006.0	57113177	4.0	EA	BATTERY,12V-8DW/ELECTROL	
007.0	58231887	2.0	EA	BOX,BATTERY	
-	57143505	1.0	EA	- COVER, BATTERY	
008.0	59854943	2.0	EA	CONNECTOR,16-14,FEMALE	
009.0	59854828	4.0	EA	TERMINAL,16-14,MALE PIN	
010.0	57400715	4.0	EA	SEAL,14-12AWG,PIN,CABLE	
011.0	57705055	1.0	EA	CABLE,SWITCH TO STARTER	
012.0	57379992	1.0	EA	BRACKET,BATT.SELECT SWTC	
013.0	57379166	1.0	EA	NAMEPLATE,ISOLATIONSWTCH	
014.0	95412623	4.0	EA	SCREW	
015.0	95098208	4.0	EA	NUT,MACHINE-HEX	
016.0	57236705	1.0	EA	SWITCH,BATTERY SELECTOR	
018.0	57007429	1.0	EA	COVER,RECPT-BATTERY CONN	
019.0	57749145	1.0	EA	RECEPTACLE,ASSEMBLY	
019.0	95920682	4.0	EA	CAPSCREW,HEX	
020.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
021.0	95922894	4.0	EA	NUT,HEX	
022.0	57011611	3.0	EA	LUG, BATTERY	
023.0	58159088	1.0	EA	INSULATOR, HEAT SHRINK.	
025.0	95934469	1.0	EA	CAPSCREW,HEX	
026.0	95209409	1.0	EA	WASHER,LOCK	
027.0	95081667	1.0	EA	WASHER,FLAT,WIDE	
028.0	95934592	12.0	EA	CAPSCREW,HEX	
029.0	95922894	12.0	EA	NUT,HEX	
030.0	95937413	12.0	EA	WASHER,LOCK,HELICAL	
031.0	57482606	0.0	EA	TOOL, PIN/SEAL-EXT INSTL	
032.0	57482614	0.0	EA	TOOL, CRIMPING	

57421513 MOUNTING,POWERPACK BASE



TB2657100497 REV 004

BOM 57421513

57421513 MOUNTING,POWERPACK BASE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57100513	2.0	EA	BOLT,BASE MG	
-	95995262	1.0	EA	- CAPSCREW,PLATED	
003.0	95267696	4.0	EA	NUT,HEX,SLOTTED	
004.1	95093399	4.0	EA	PIN,COTTER	
006.0	54600424	2.0	EA	CAPSCREW	
-	95984233	1.0	EA	- SCREW,CAP,HEX	

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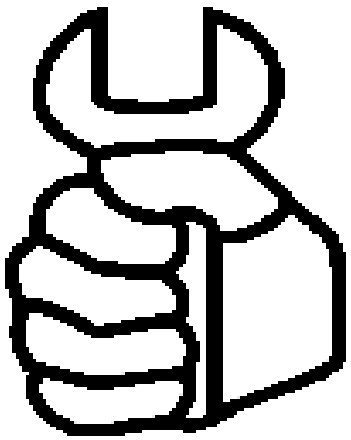
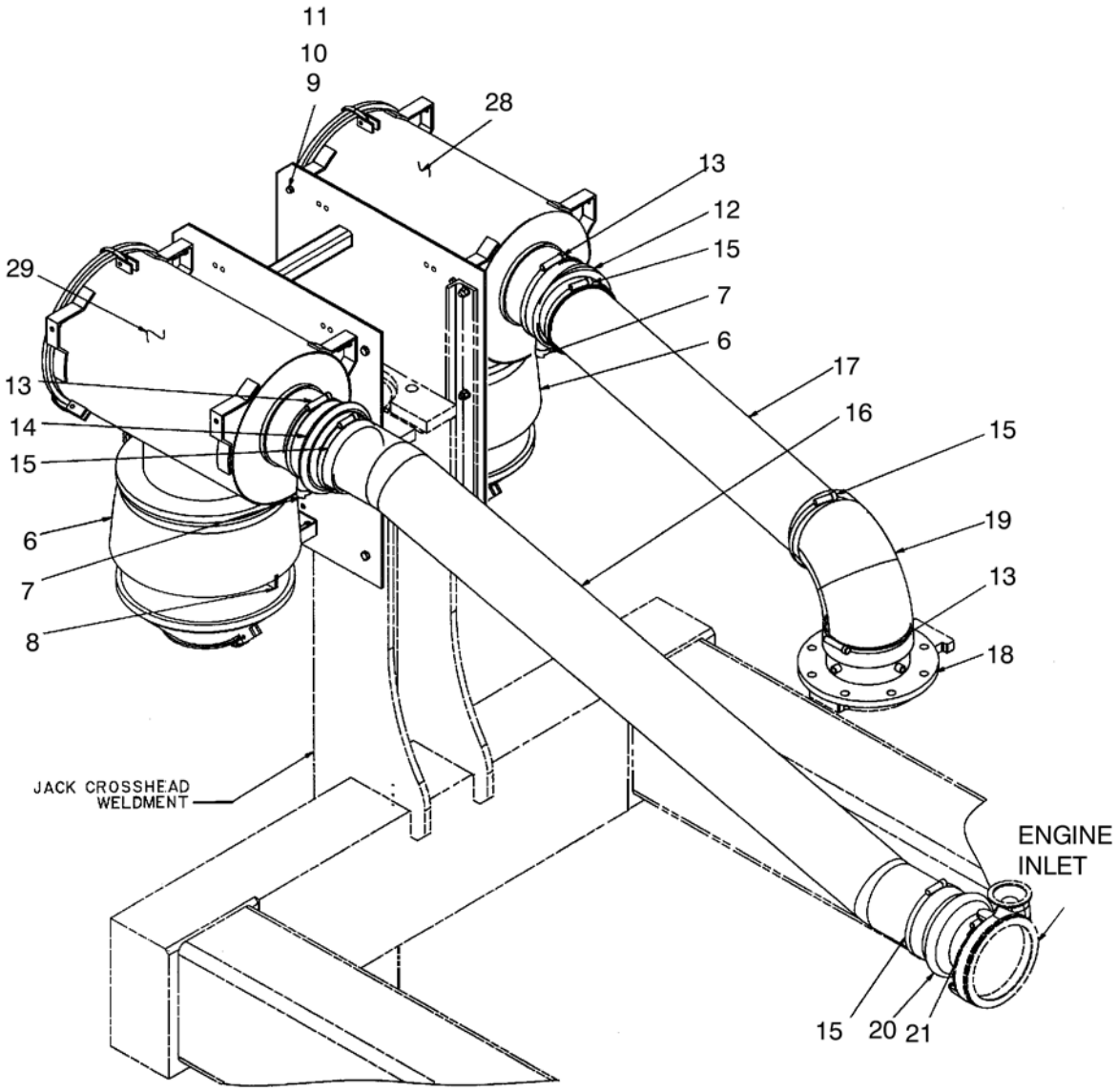


Section G - Air Cleaners

57736159 CLEANER,AIR,QSX/285MM



D2657736159 REV 002

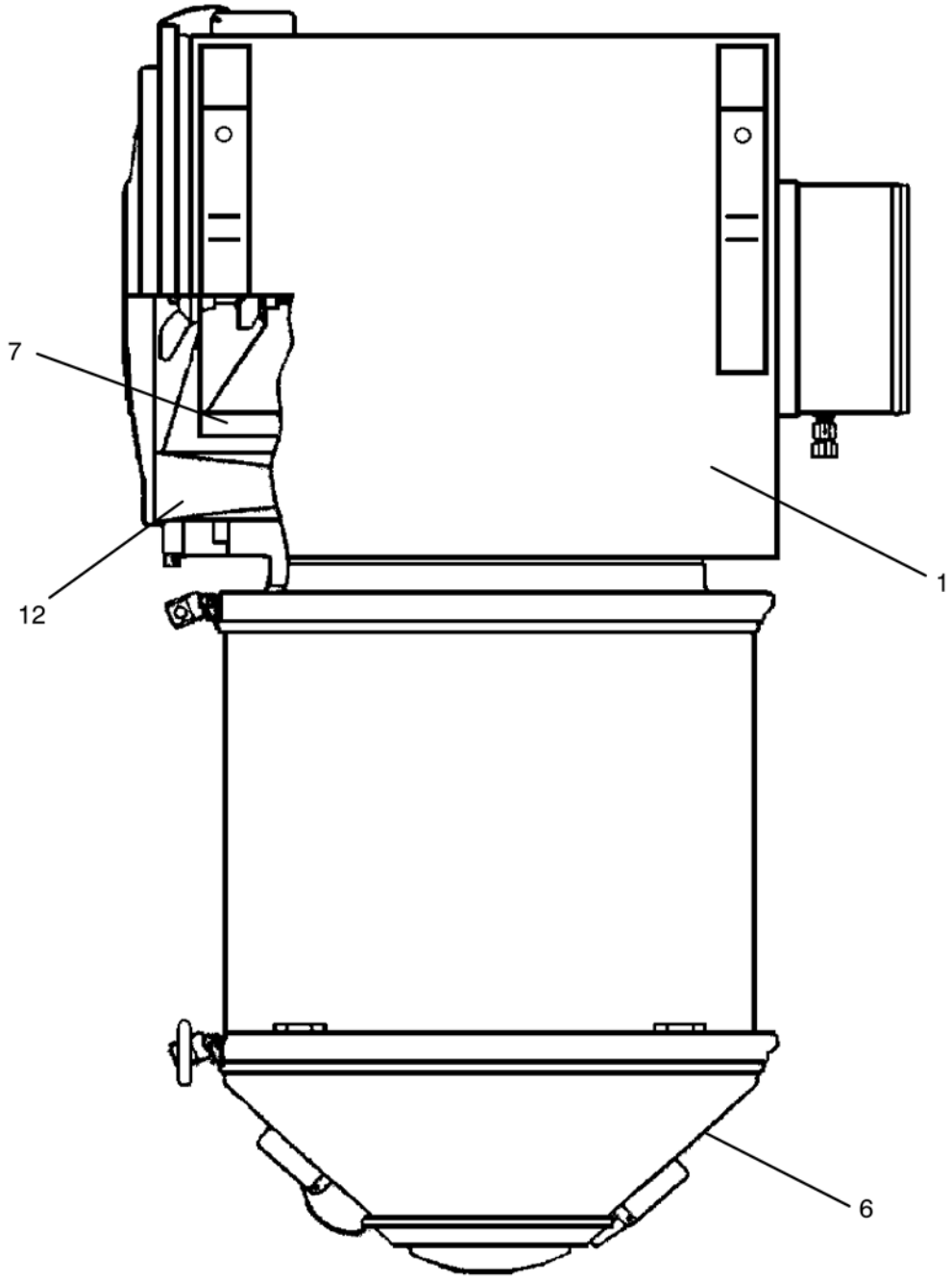
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57736159

57736159 CLEANER,AIR,QSX/285MM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
006.0	56899669	2.0	EA	SHROUD,INLET	
007.0	52265311	2.0	EA	INDICATOR,RESTRICTION	
008.0	58044744	2.0	EA	BAND,MOUNTING	
009.0	95934592	8.0	EA	CAPSCREW,HEX	
010.0	95937413	8.0	EA	WASHER,LOCK,HELICAL	
011.0	95922894	8.0	EA	NUT,HEX	
012.0	56940364	1.0	EA	HOSE HUMP	
013.0	57440562	2.0	EA	CLAMP,CONSTANT TORQUE	
013.1	57440570	1.0	EA	CLAMP,CONSTANT TORQUE	
014.0	56940364	1.0	EA	HOSE HUMP	
015.0	57439283	4.0	EA	CLAMP,CONSTANT TORQUE	
016.0	57633810	1.0	EA	TUBE,INTAKE ENGINE	
017.0	57645129	1.0	EA	TUBE	
018.0	57175457	1.0	EA	TUBE,AIR INLET	
019.0	52248440	1.0	EA	ELBOW,RUBBER-90 DEG	
020.0	57532608	1.0	EA	HOSE HUMP,REDUCING	
021.0	57440547	1.0	EA	CLAMP,CONSTANT TORQUE	
028.0	57496556	1.0	EA	AIR FILTER-08	**See Page 294**
029.0	57496556	1.0	EA	AIR FILTER-08	**See Page 294**

57496556 AIR FILTER-08



C2657496556 REV 001

BOM 57496556

57496556 AIR FILTER-08

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50817113	1.0	EA	CHAMBER	
006.0	56903586	1.0	EA	CUP,DUST	
007.0	52146966	1.0	EA	ELEMENT,SAFETY	
012.0	52252061	1.0	EA	ELEMENT,AIR	

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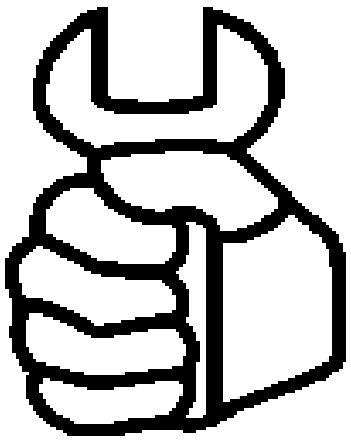
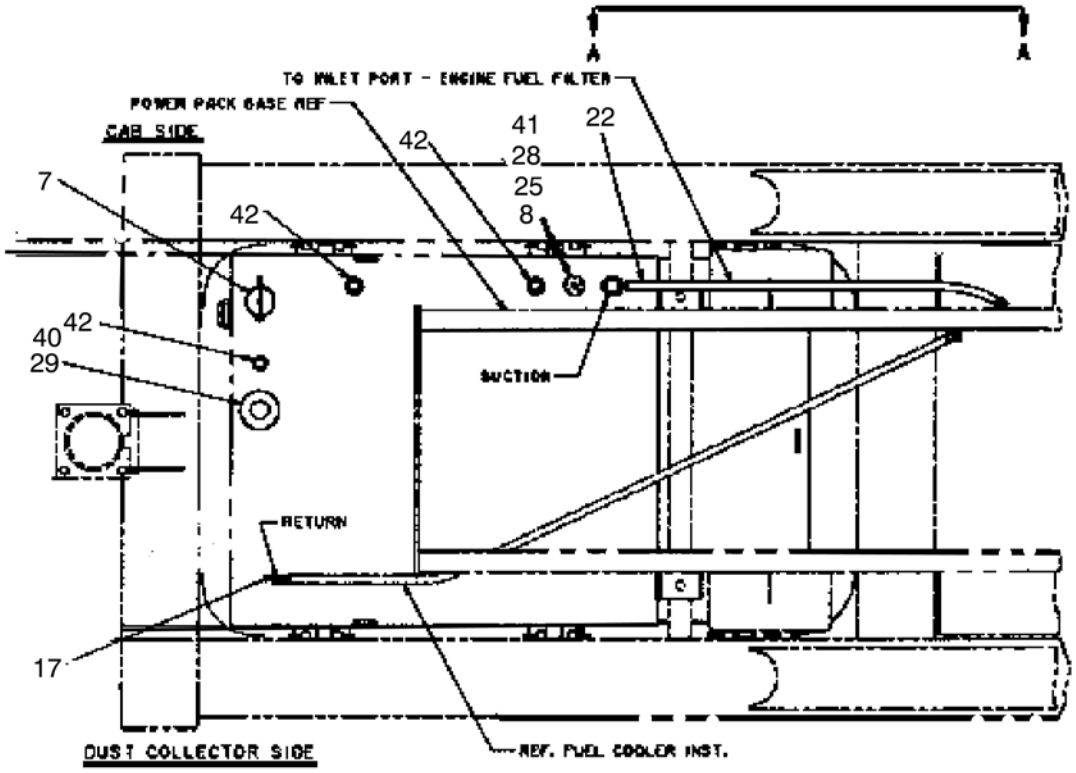


Section H - Fuel System

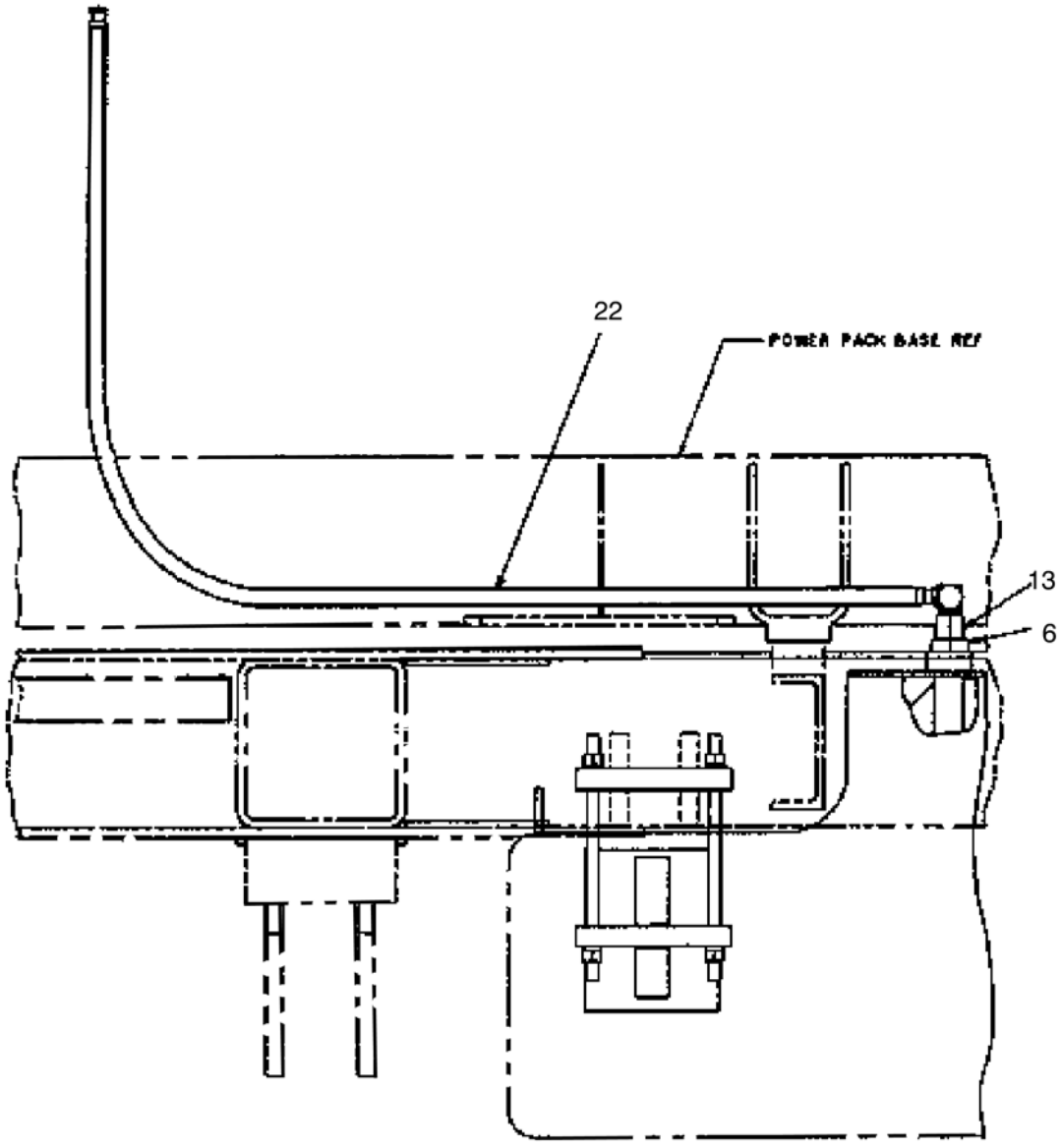
57651432 TANK/PIPING,FUEL 380GL



E2657651432 REV 002

BOM 57651432

57651432 TANK/PIPING,FUEL 380GL

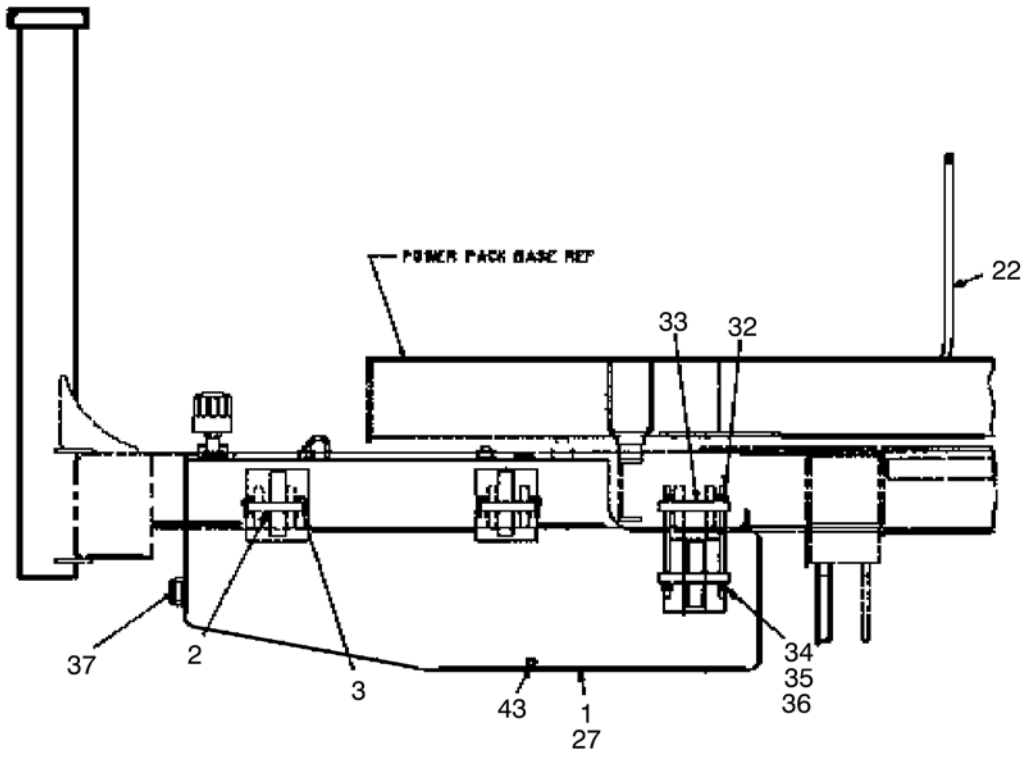


VIEW A–A

E2657651432 REV 002

BOM 57651432

57651432 TANK/PIPING,FUEL 380GL



E2657651432 REV 002

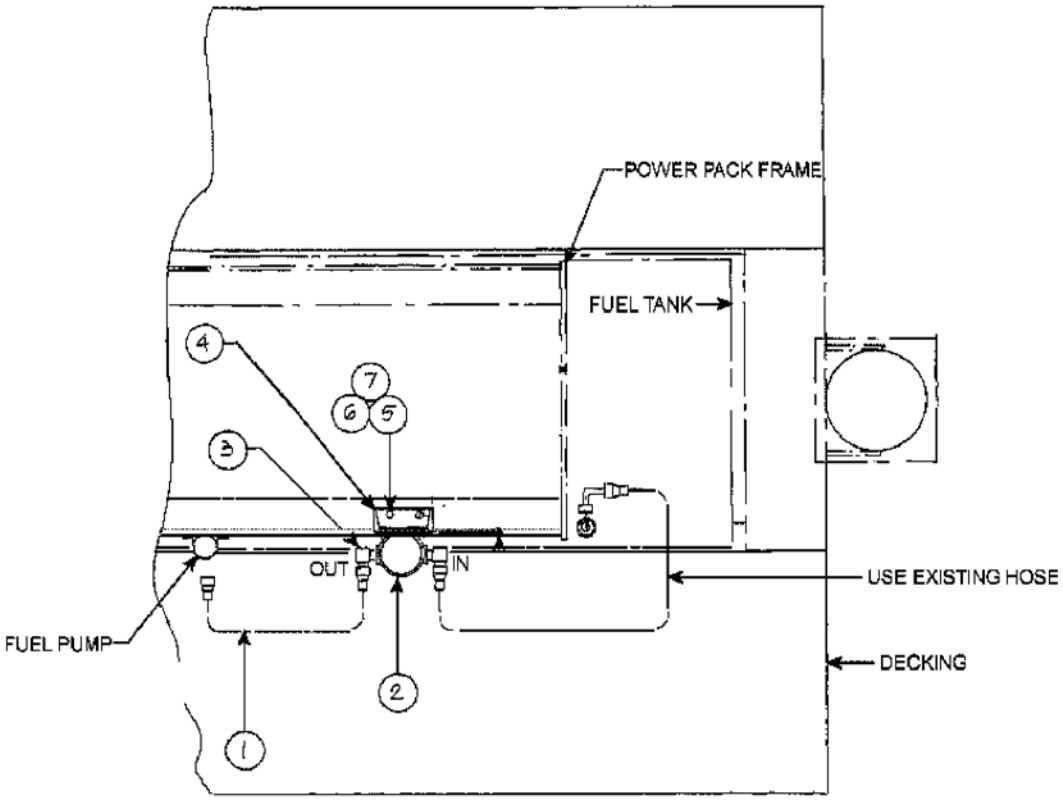
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57651432

57651432 TANK/PIPING,FUEL 380GL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57533606	1.0	EA	TANK,FUEL-380 GAL	
002.0	57474579	4.0	EA	PIN, SUPPORT-FUEL TANK	
003.0	52266731	8.0	EA	PIN, COTTER	
006.0	57475873	1.0	EA	TUBE,SUCTION,FUEL	
-	95663803	1.0	EA	- FITTING, TUBE	
007.0	57505018	1.0	EA	FILLER, TANK - 3 NPT	
008.0	57534299	1.0	EA	SENDER, FUEL-W/FLOAT	
-	57533614	1.0	EA	- FLOAT, LIFE CELL	
013.0	95356978	1.0	EA	ADAPTER,STR,JIC/O-RING	
017.0	95303335	1.0	EA	ELBOW,90 DEG STRT THRD	
022.0	57496283	1.0	EA	HOSE ASSY	
025.0	58150103	300.0	IN	CORD,14/2	
027.0	52246774	100.0	GL	FUEL, DIESEL	
028.0	95922118	5.0	EA	SCREW,ROUND HEAD	
029.0	57441941	1.0	EA	BREATHER, FILTER-3MICRON	
032.0	57483711	4.0	EA	ROD, THREADED ENDS	
033.0	57483729	4.0	EA	PLATE,MOUNTING-FUELTANK	
034.0	95922928	8.0	EA	NUT,HEX,FINISHED	
035.0	95934691	8.0	EA	WASHER,LOCK,HELICAL	
036.0	95972246	8.0	EA	WASHER,FLAT,PLATED	
037.0	95746194	1.0	EA	PLUG, ORING-SAE 32	
040.0	95647798	1.0	EA	FITTING, HYD	
041.0	57443962	1.0	EA	GASKET, SENDER	
042.0	95249702	3.0	EA	PLUG,PIPE,SQ HEAD	
043.0	95323465	1.0	EA	PLUG,HEX HEAD,STRT THRD	

56244015 FILTER,FUEL,ASSM

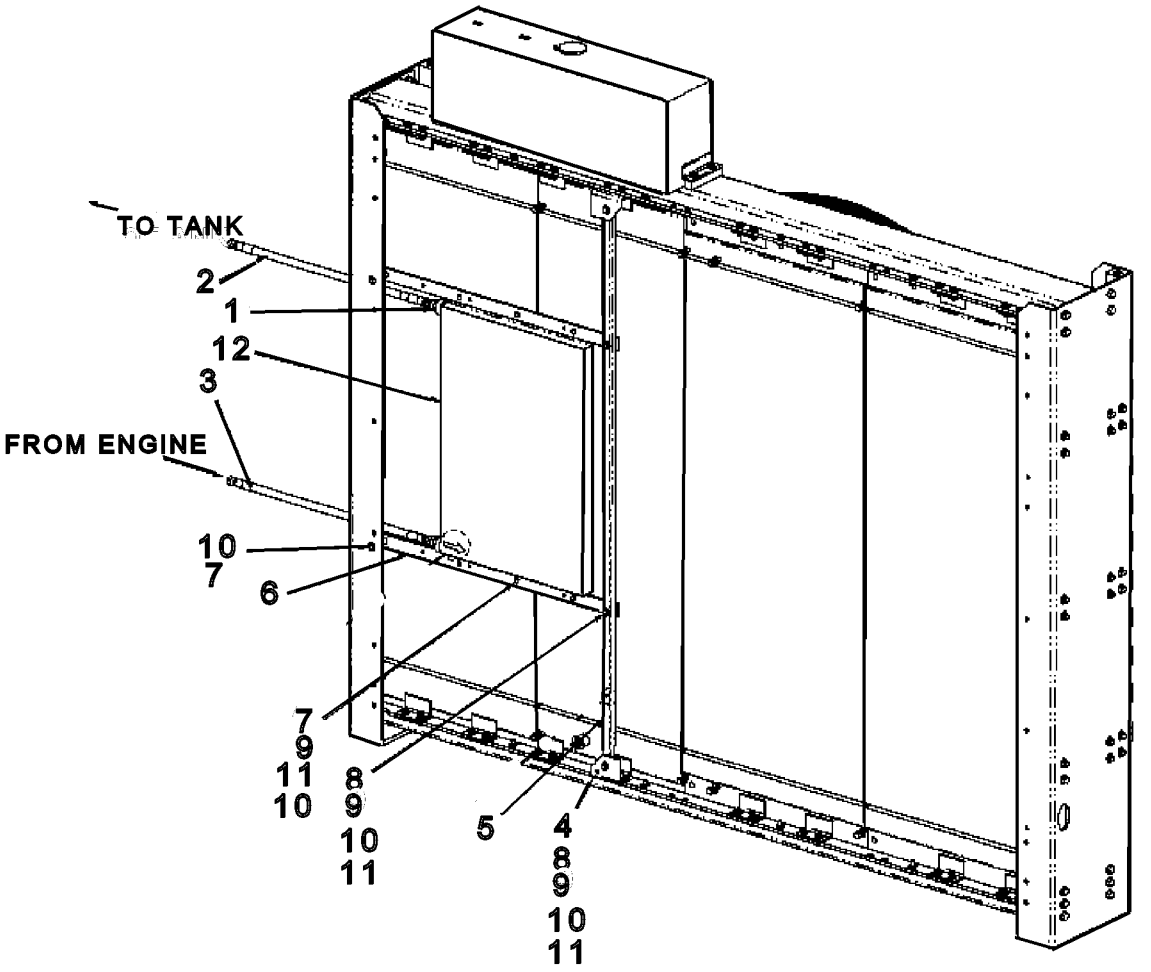


BOM 56244015

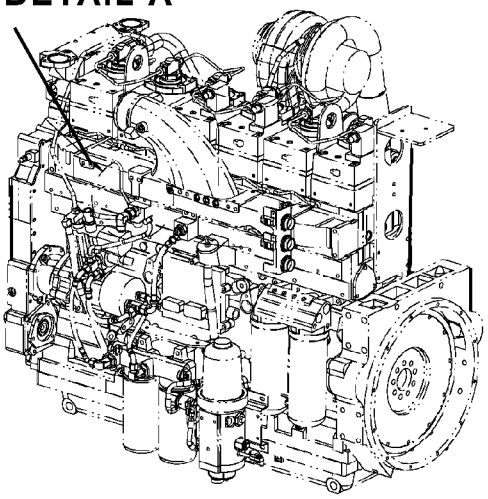
56244015 FILTER,FUEL,ASSM

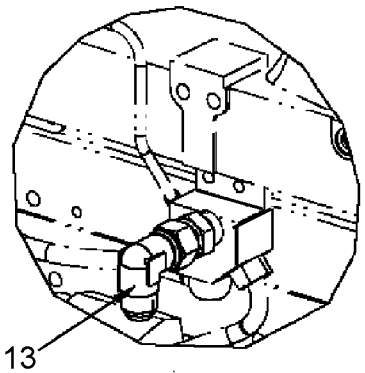
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57339533	1.0	EA	HOSE ASSY	
002.0	52237146	1.0	EA	FILTER,FUEL-RACOR	
003.0	95376141	2.0	EA	ELBOW,90DEG STRT THRD	
004.0	56244007	1.0	EA	BRACKET,FUEL FILTER	
005.0	95958971	2.0	EA	CAPSCREW	
006.0	95922894	2.0	EA	NUT,HEX	
007.0	95937413	2.0	EA	WASHER,LOCK,HELICAL	

57921389 PIPING,FUEL COOLER DM45



SEE DETAIL A





DETAIL A

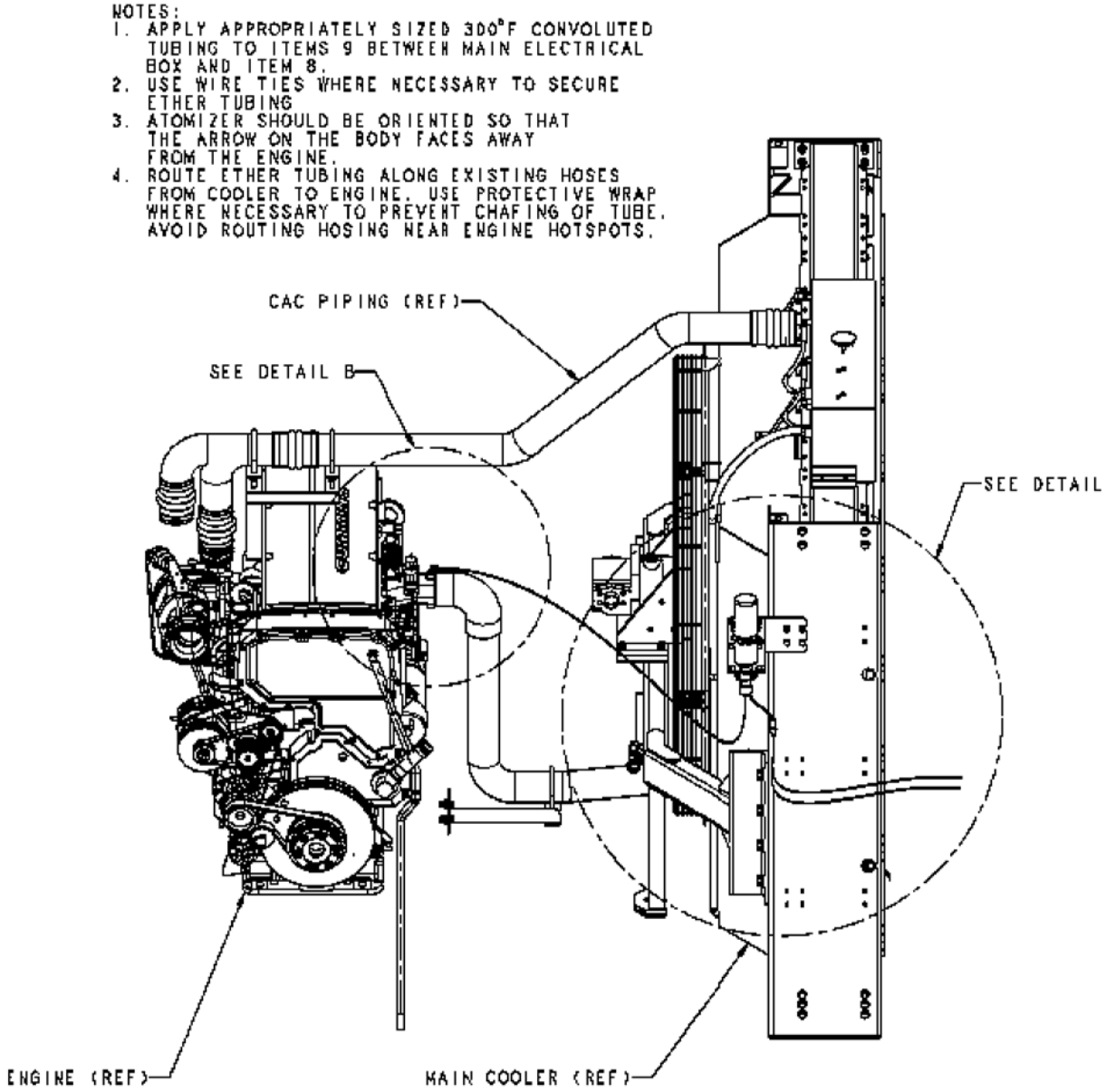
TB2657784084 REV 005

BOM 57921389

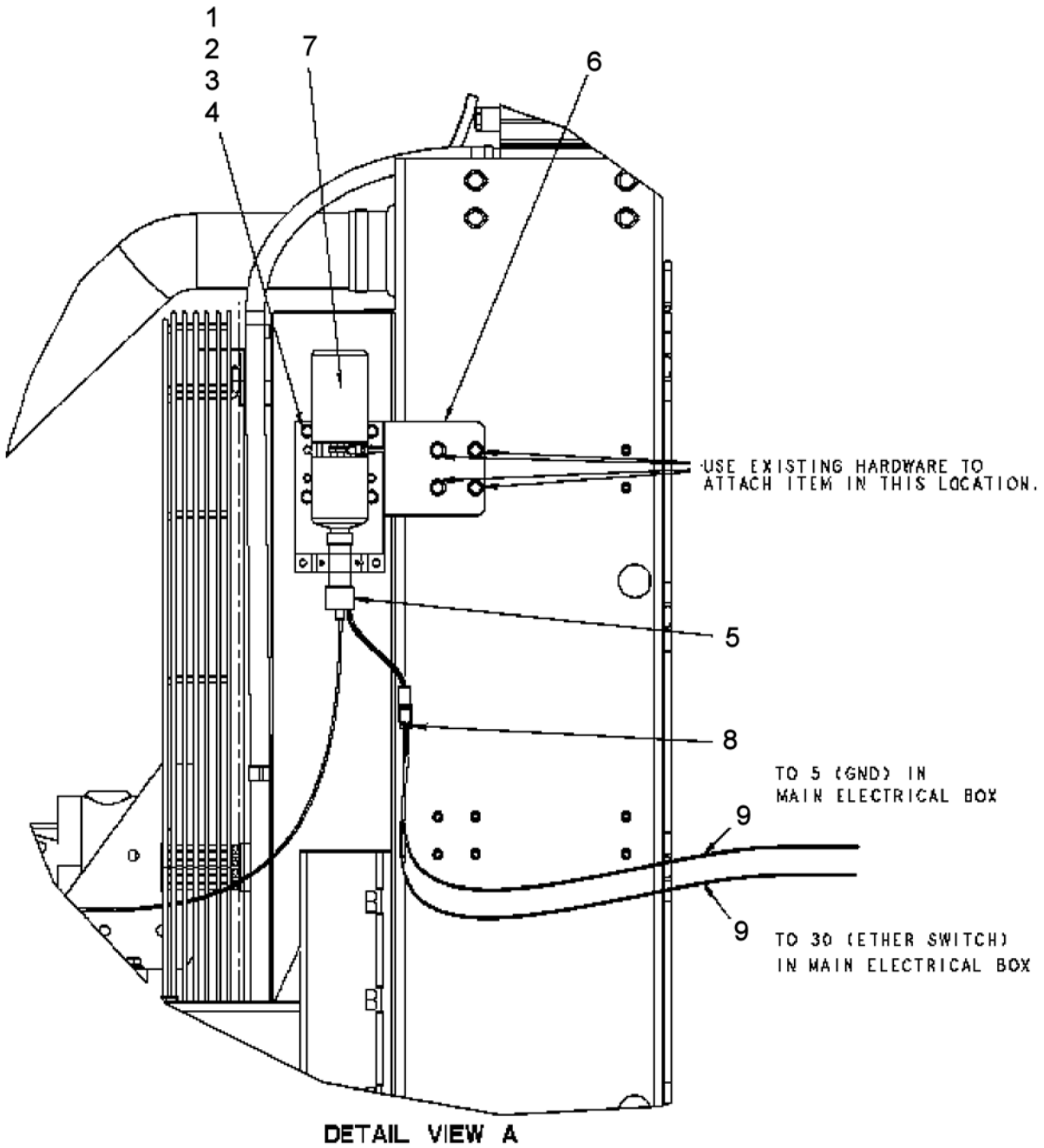
57921389 PIPING,FUEL COOLER DM45

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	95357570	2.0	EA	CONNECTOR,STRT THRD	
002.0	57200933	1.0	EA	HOSE ASSY.	
003.0	56956725	1.0	EA	HOSE ASSY	
004.0	57780868	2.0	EA	BRACKET,FUEL COOLER	
005.0	57780850	1.0	EA	SUPPORT,FUEL COOLER	
006.0	57775595	2.0	EA	RAIL,FUEL COOLER FRAME	
007.0	95916821	8.0	EA	CAPSCREW,HEX	
009.0	95929782	10.0	EA	NUT,HEX,FINISHED	
010.0	95922225	12.0	EA	WASHER,FLAT	
011.0	95934303	10.0	EA	WASHER,LOCK,PLATED	
012.0	57472698	1.0	EA	COOLER,FUEL,QSK19ENGINES	

57915118 ETHER,QSX15,INSTALLATION

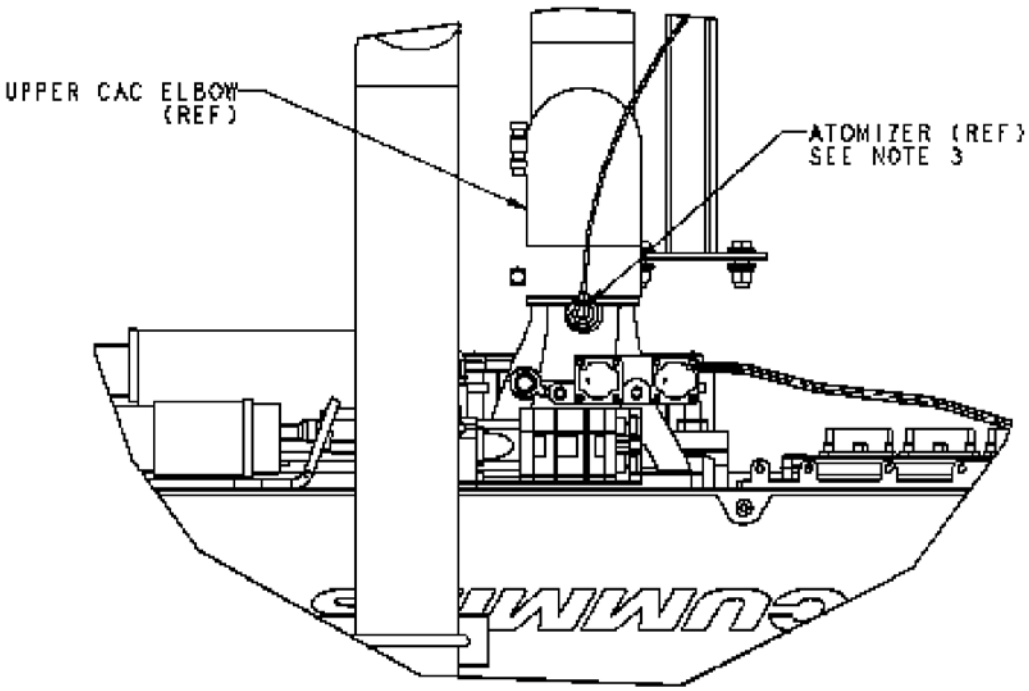


57915118 ETHER,QSX15,INSTALLATION



D2657915118 REV 000

57915118 ETHER,QSX15,INSTALLATION



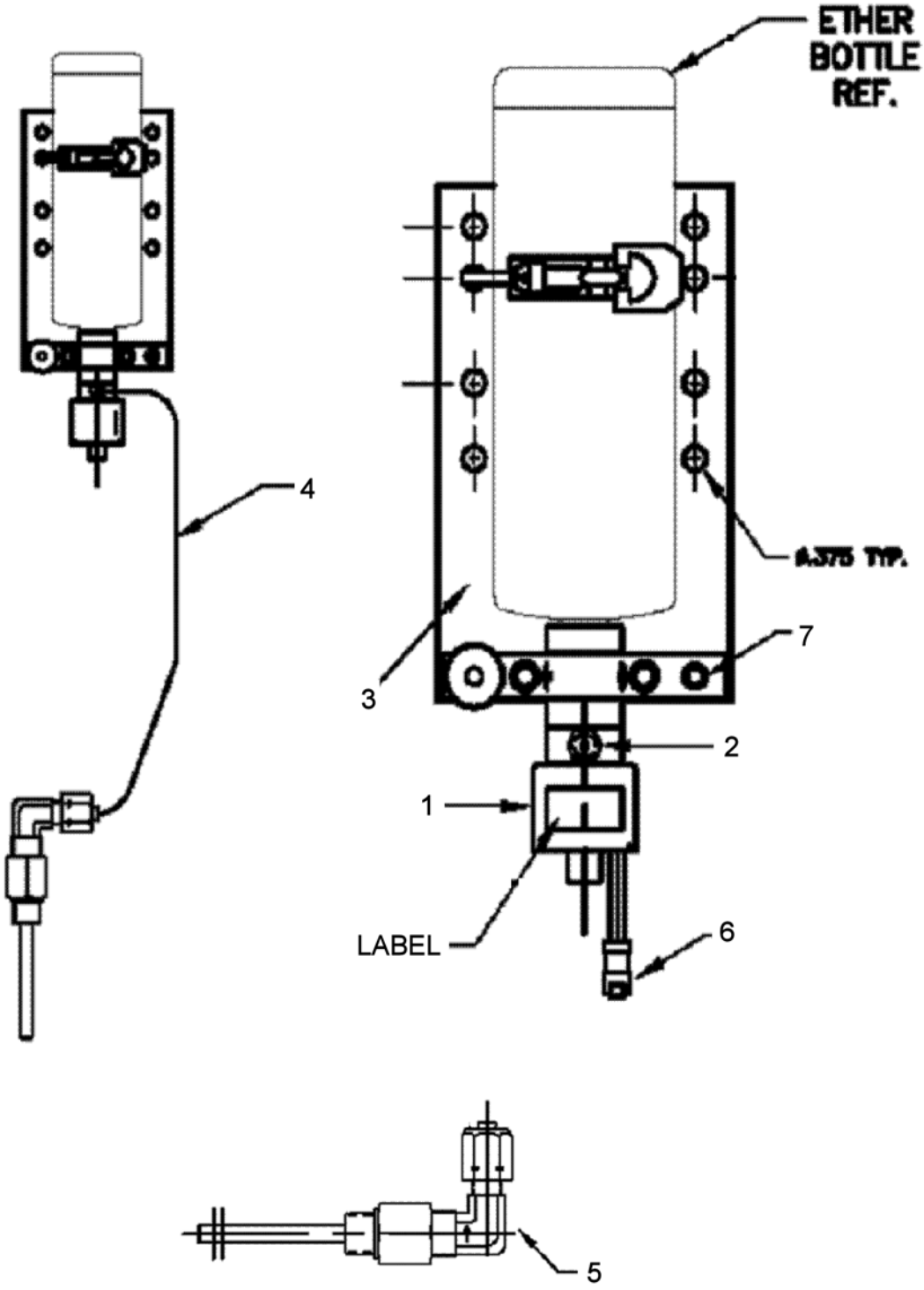
DETAIL VIEW B

BOM 57915118

57915118 ETHER,QSX15,INSTALLATION

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	95934998	4.0	EA	WASHER,FLAT	
002.0	95959144	4.0	EA	WASHER,LOCK-5/16	
003.0	95929782	4.0	EA	NUT,HEX,FINISHED	
004.0	95105243	4.0	EA	CAPSCREW	
005.0	57915167	1.0	EA	ETHER,KIT,CUMMINS QSX15	**See Page 310**
006.0	57902850	1.0	EA	BRACKET,ETHER,MOUNTING	
007.0	57903098	1.0	EA	CYLINDER,ETHER	
008.0	54651237	1.0	EA	PLUG,2 CIRCUIT	
009.0	50249671	240.0	IN	WIRE,14AWG-WHITE	

57915167 ETHER,KIT,CUMMINS QSX15



C2657915167 REV 000

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57915167

57915167 ETHER,KIT,CUMMINS QSX15

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57915175	1.0	EA	VALVE ASSY,ETHER	
002.0	57915183	1.0	EA	CONTROL FITTING,ETHER	
003.0	57903031	1.0	EA	BRACKET,ETHER MOUNTING	
004.0	57903064	1.0	EA	TUBING,ETHER,48"	
005.0	57915191	1.0	EA	ATOMIZER,ETHER,QSX15	

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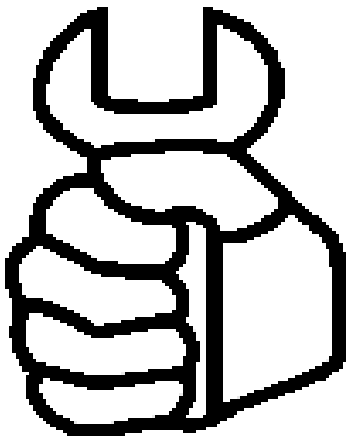
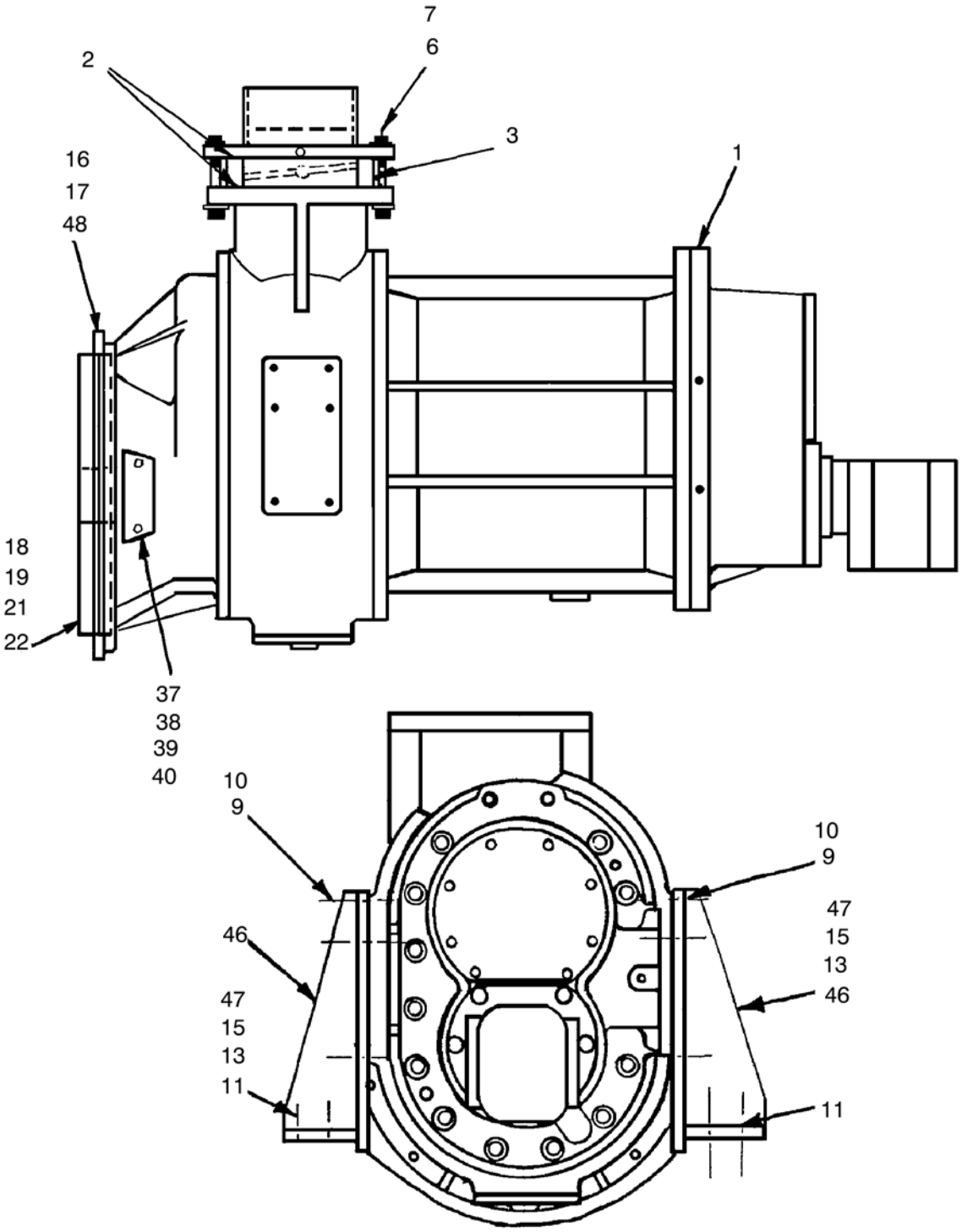


Section I - Compressor/Air System

57657561 COMPR,XL1600,1800RPM,ASM



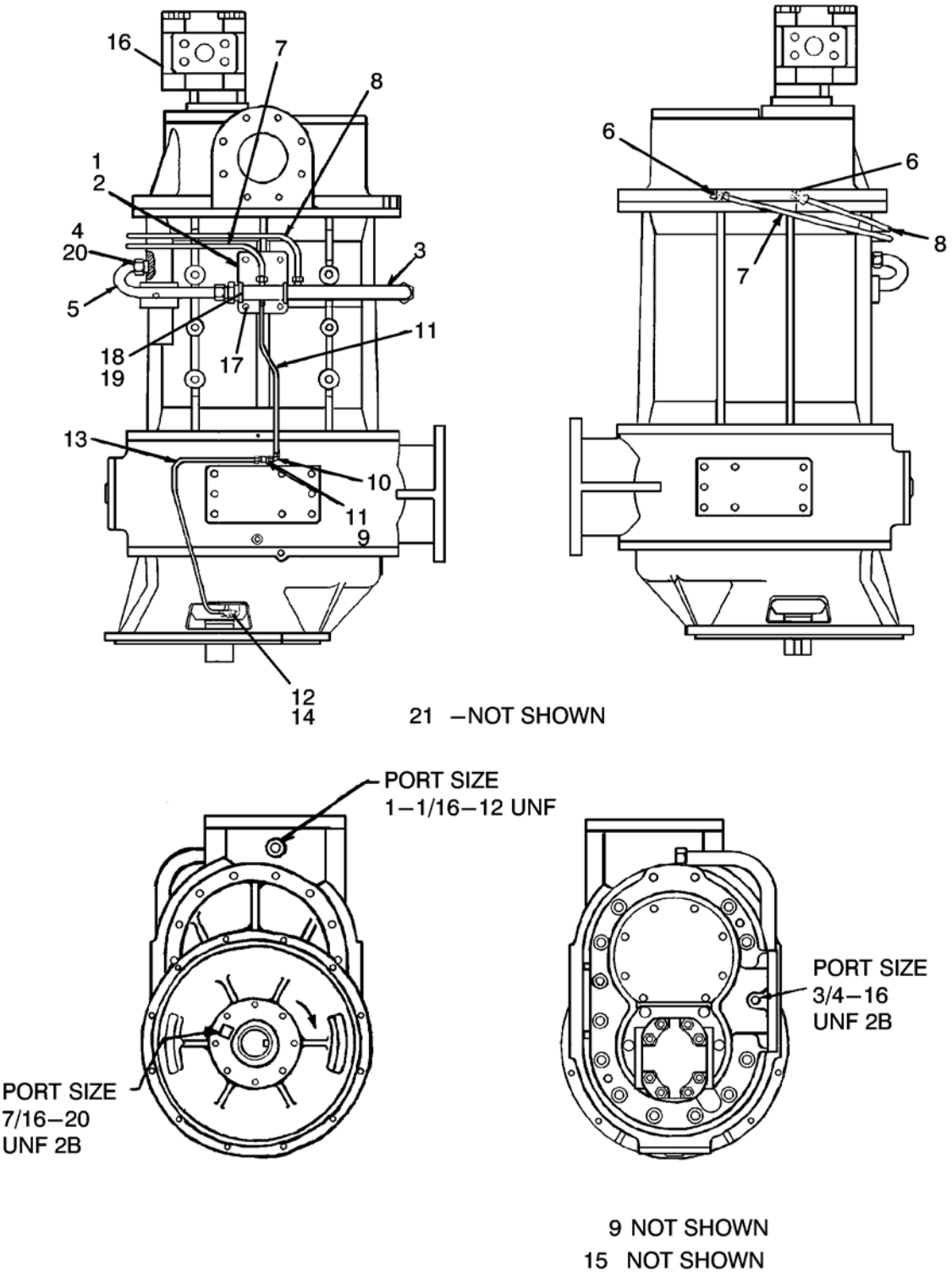
TB2657640005 REV 002

BOM 57657561

57657561 COMPR,XL1600,1800RPM,ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	35098052	1.0	EA	AIREND-LOW PRESSURE	**See Page 316**
002.0	95568960	2.0	EA	GASKET	
003.0	57760621	1.0	EA	VALVE,BUTTERFLY-8"ID	
006.0	56946247	8.0	EA	CAPSCREW	
007.0	50759455	8.0	EA	WASHER,LOCK M20	
009.0	57175564	12.0	EA	CAPSCREW,M16X45	
010.0	57175556	12.0	EA	LOCKWASHER, M16	
011.0	95054169	4.0	EA	CAPSCREW	
013.0	54573704	4.0	EA	WASHER,BEVEL,SQ,PLATED	
015.0	95077590	4.0	EA	NUT,HEX,STOP	
016.0	95934626	12.0	EA	CAPSCREW,HEX	
017.0	95081865	12.0	EA	WASHER,LOCK	
018.0	95919338	12.0	EA	CAPSCREW,HEX HEAD	
019.0	95937413	12.0	EA	WASHER,LOCK,HELICAL	
021.0	57903494	1.0	EA	COUPLING,LORD	
022.0	35307784	1.0	EA	BUSHING	
037.0	52247657	1.0	EA	PLATE,COVER	
038.0	95928982	2.0	EA	CAPSCREW	
039.0	95934766	2.0	EA	WASHER,LOCK,HELICAL	
040.0	52263787	1.0	EA	GASKET	
046.0	57790479	2.0	EA	BRACKET,MOUNTING AIREND	
047.0	57783631	4.0	EA	SET,SHIM	
048.0	57601064	1.0	EA	DRAWING-285 A/E,INSTL	

35098052 AIREND-LOW PRESSURE



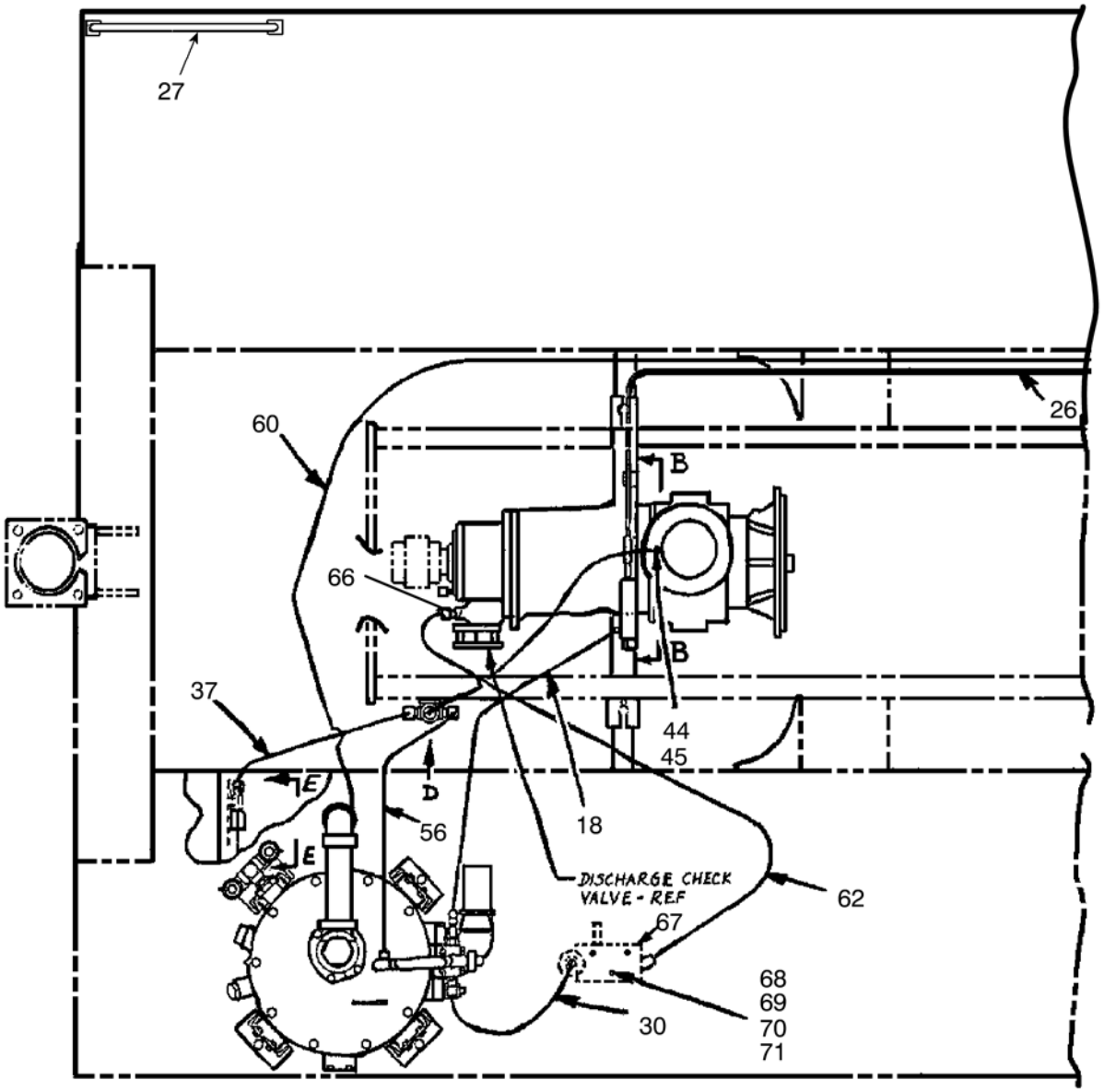
TB2636766269 REV 010

BOM 35098052

35098052 AIREND-LOW PRESSURE

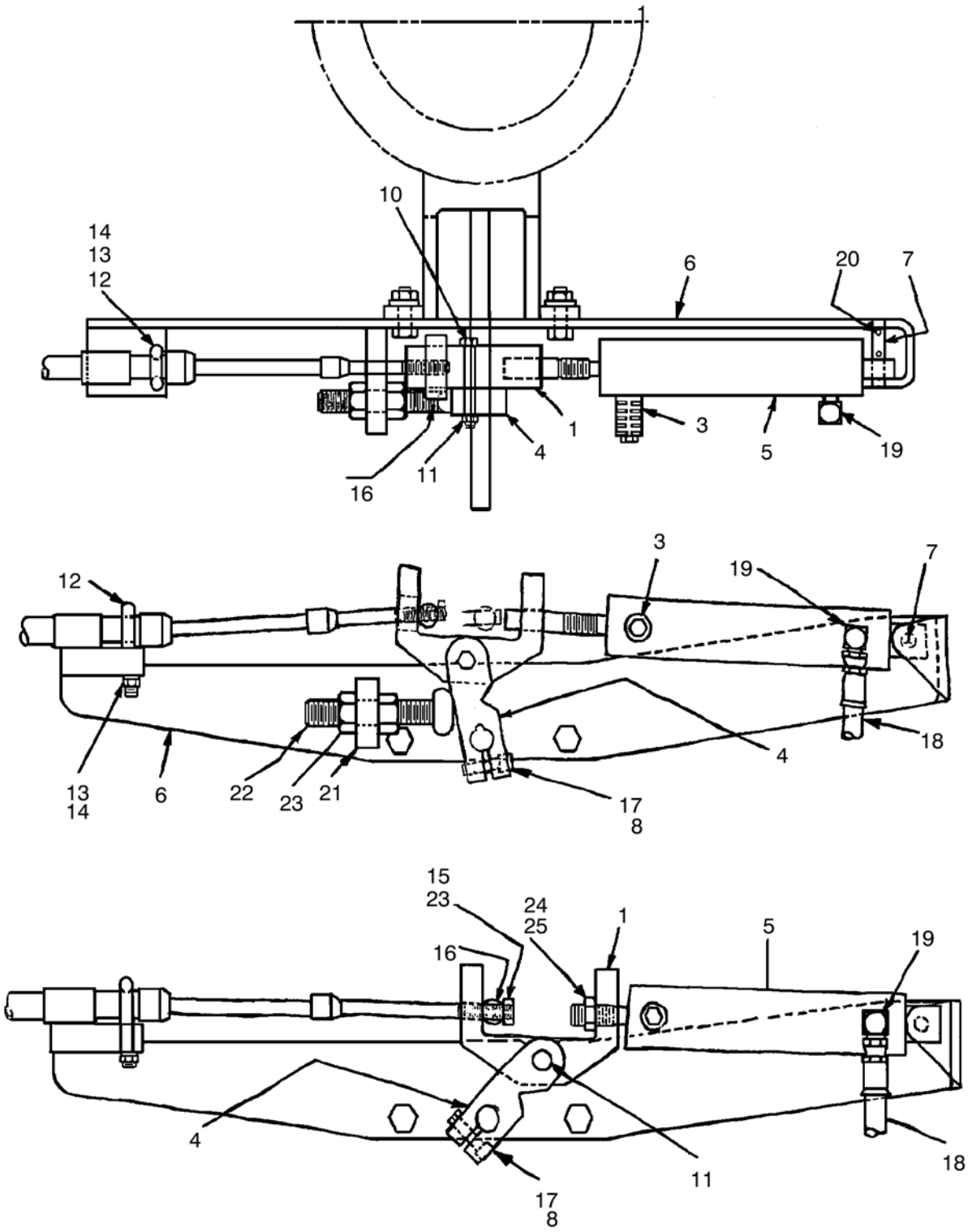
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	36756252	1.0	EA	COVER	
002.1	35304021	1.0	EA	GASKET	
003.1	36756211	1.0	EA	MANIFOLD	
004.1	36762680	1.0	EA	ORIFICE, INSERT-.625 ID	
005.1	36758191	1.0	EA	TUBE	
006.1	35287937	2.0	EA	ELBOW, 90 DEGREES	
007.1	36758175	1.0	EA	TUBE	
008.1	36758183	1.0	EA	TUBE	
009.1	35279843	1.0	EA	TEE,BRANCH	
010.1	35283068	1.0	EA	ELBOW, 90 DEGREES	
011.1	36758217	1.0	EA	TUBE	
012.1	35279835	1.0	EA	ELBOW,45 - 6	
013.1	36771731	1.0	EA	TUBE,OIL	
014.1	35287945	1.0	EA	EXPANDER	
015.1	36758142	1.0	EA	GEAR SET - AIREND	
016.0	35309277	1.0	EA	PUMP	
017.0	35375591	4.0	EA	SCREW, HEX-M16-2X030	
018.0	36761831	2.0	EA	U-BOLT, 1.50 ID	
019.0	35252600	4.0	EA	NUT, LOCK, 5/16 -18	
020.0	95280194	1.0	EA	ELBOW,90 DEG STRT THRD	

57661803 PIPING,COMPRESSOR CNTRL



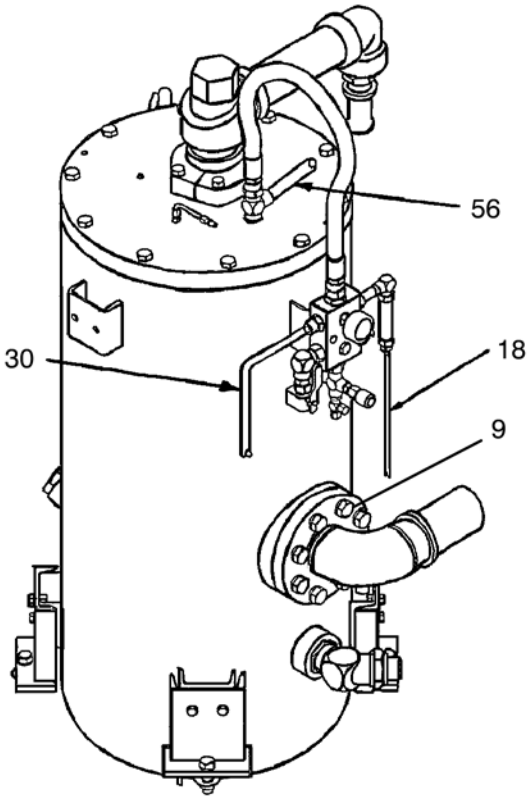
BOM 57661803

57661803 PIPING,COMPRESSOR CNTRL

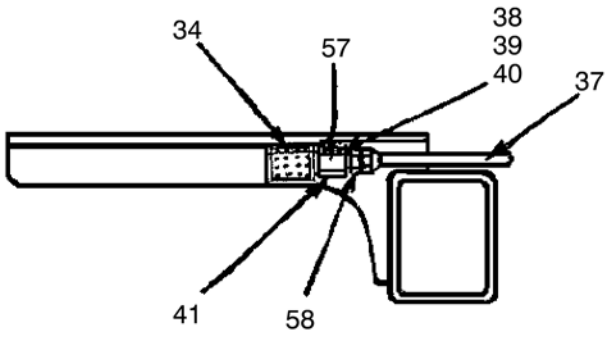


TB57661803 REV 004

57661803 PIPING,COMPRESSOR CNTRL



VIEW–C

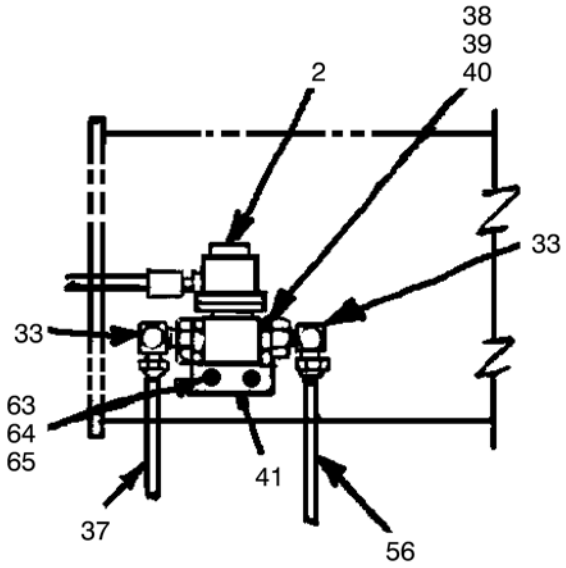


VIEW–E–E

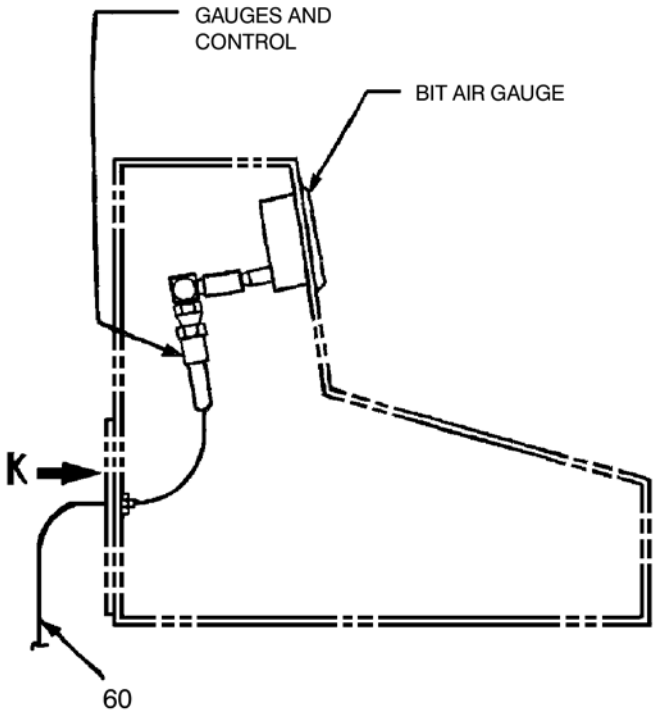
TB57661803 REV 004

BOM 57661803

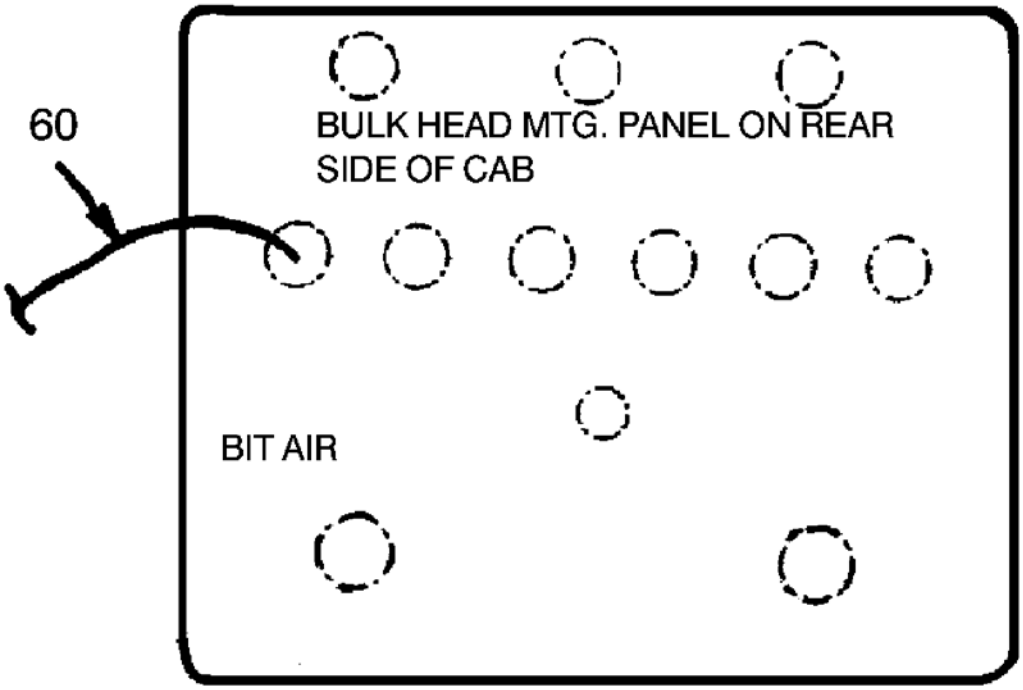
57661803 PIPING,COMPRESSOR CNTRL



VIEW–D–D



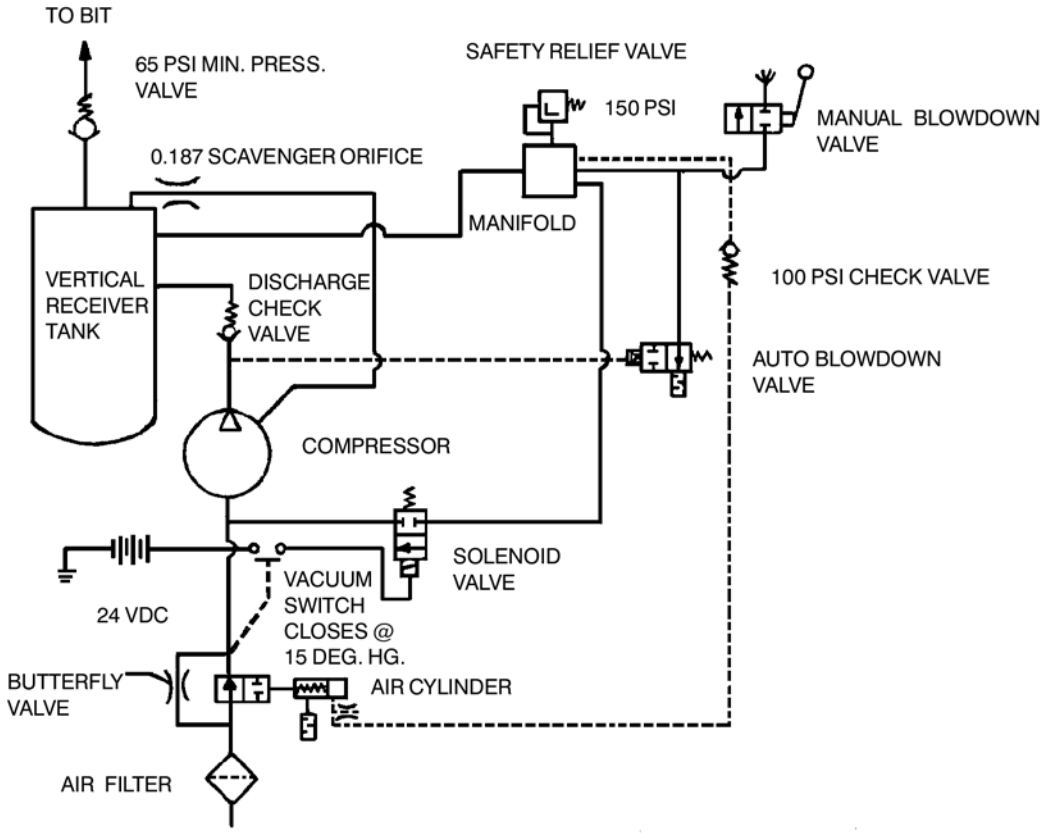
57661803 PIPING,COMPRESSOR CNTRL



VIEW–K

BOM 57661803

57661803 PIPING,COMPRESSOR CNTRL



BOM 57661803

57661803 PIPING,COMPRESSOR CNTRL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57079030	1.0	EA	LINK	
002.0	57315111	1.0	EA	VALVE, SOLENOID N.C.	
003.0	52142031	1.0	EA	MUFFLER,FILTER	
004.0	35299825	1.0	EA	LEVER	
005.0	57057580	1.0	EA	CYLINDER,AIR	
006.0	57217655	1.0	EA	BRACKET	
007.0	57035412	1.0	EA	PIN, CYLINDER	
008.0	95934766	1.0	EA	WASHER,LOCK,HELICAL	
009.0	36865756	1.0	EA	SWITCH,THERMAL	
010.0	95391066	1.0	EA	CAPSCREW	
011.0	95477873	1.0	EA	NUT, HEX LOCK-7/16-14	
012.0	57079022	1.0	EA	U-BOLT	
013.0	95929782	2.0	EA	NUT,HEX,FINISHED	
014.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
015.0	95280863	1.0	EA	NUT,HEX,JAM	
016.0	57079048	1.0	EA	PIN,ROD END	
017.0	95067625	1.0	EA	CAPSCREW	
018.0	56964299	1.0	EA	HOSE ASSY	
019.0	57045346	1.0	EA	FITTING, MOD.	
-	95209086	1.0	EA	- FITTING,HYD	
020.0	95002663	2.0	EA	PIN,COTTER	
021.0	57080731	1.0	EA	PLATE,TAPPED	
022.0	95993663	1.0	EA	CAPSCREW,HEX	
023.0	95098356	2.0	EA	NUT,HEX,JAM	
024.0	95245288	1.0	EA	NUT,HEX JAM	
025.0	56784267	1.0	EA	ADHESIVE	
026.0	57537607	1.0	EA	CABLE,CONTROL	
027.0	57424418	1.0	EA	HANDRAIL ASSY-50 CNTDIST	
030.0	57626830	1.0	EA	HOSE ASSEMBLY	
033.0	95279543	2.0	EA	FITTING,HYD	
034.0	35144385	1.0	EA	MUFFLER	
037.0	57002859	1.0	EA	HOSE ASSY	
038.0	95931564	4.0	EA	NUT,HEX,FINISHED	
039.0	95934766	4.0	EA	WASHER,LOCK,HELICAL	
040.0	52231792	2.0	EA	U-BOLT	
041.0	52231818	1.0	EA	BRACKET	
044.0	57315137	1.0	EA	SWITCH, VACUUM	
045.0	95655064	1.0	EA	ADAPTER,FEMALE,STRT THRD	
056.0	58159179	1.0	EA	HOSE ASSY	
057.0	57708182	1.0	EA	BRACKET,MUFFLER,MOUNT	
-	95451209	1.0	EA	- COUPLING	

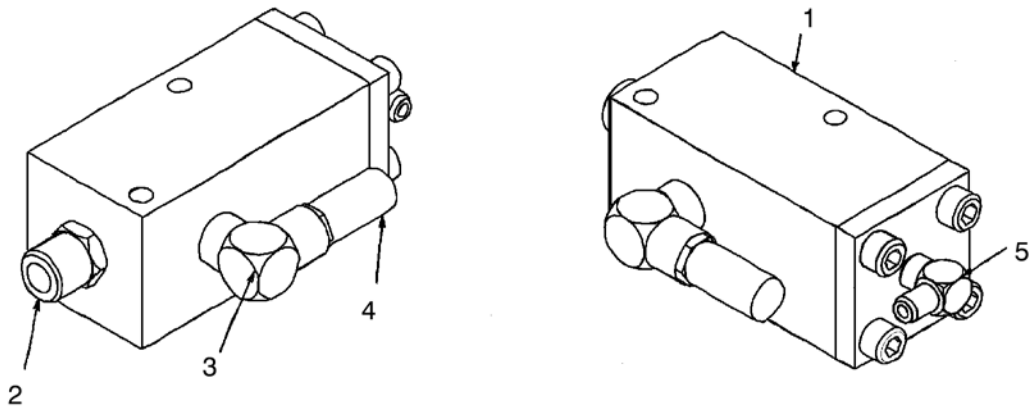
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57661803

57661803 PIPING,COMPRESSOR CNTRL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
058.0	95279337	1.0	EA	FITTING,HYD	
060.0	57590929	1.0	EA	HOSE	
062.0	57036618	1.0	EA	HOSE ASSY	
063.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
064.0	95920674	4.0	EA	CAPSCREW,HEX	
065.0	95922894	4.0	EA	NUT,HEX	
066.0	95419594	1.0	EA	CONNECTOR,STRT THRD	
067.0	57546202	1.0	EA	VALVE BLOWDOWN ASSY	**See Page 326**
068.0	95103891	2.0	EA	CAPSCREW	
069.0	95922233	2.0	EA	WASHER,FLAT,WIDE	
070.0	95922894	2.0	EA	NUT,HEX	
071.0	95937413	2.0	EA	WASHER,LOCK,HELICAL	

57546202 VALVE BLOWDOWN ASSY



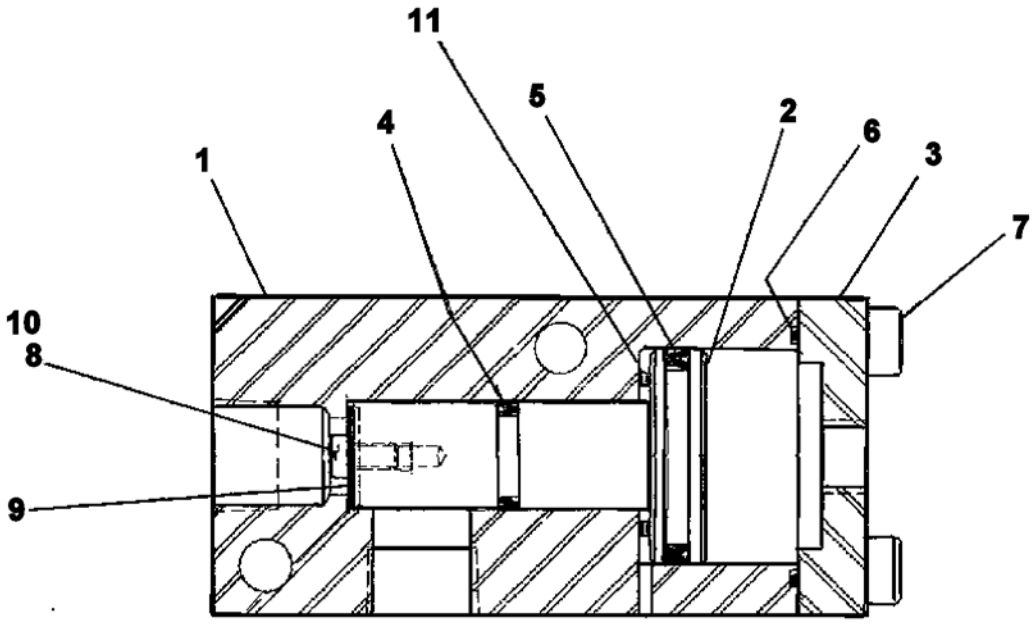
C2657546202 REV 002

BOM 57546202

57546202 VALVE BLOWDOWN ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	35849215	1.0	EA	VALVE,BLOWDOWN	**See Page 328**
002.0	95219747	1.0	EA	CONNECTOR,MALE,37 DEG	
003.0	95644241	1.0	EA	ELBOW, 90DEG-EXT/INT NPT	
004.0	56802259	1.0	EA	SILENCER,PNEUMATIC	
005.0	95279493	1.0	EA	ELBOW,90 DEG MALE	

35849215 VALVE,BLOWDOWN

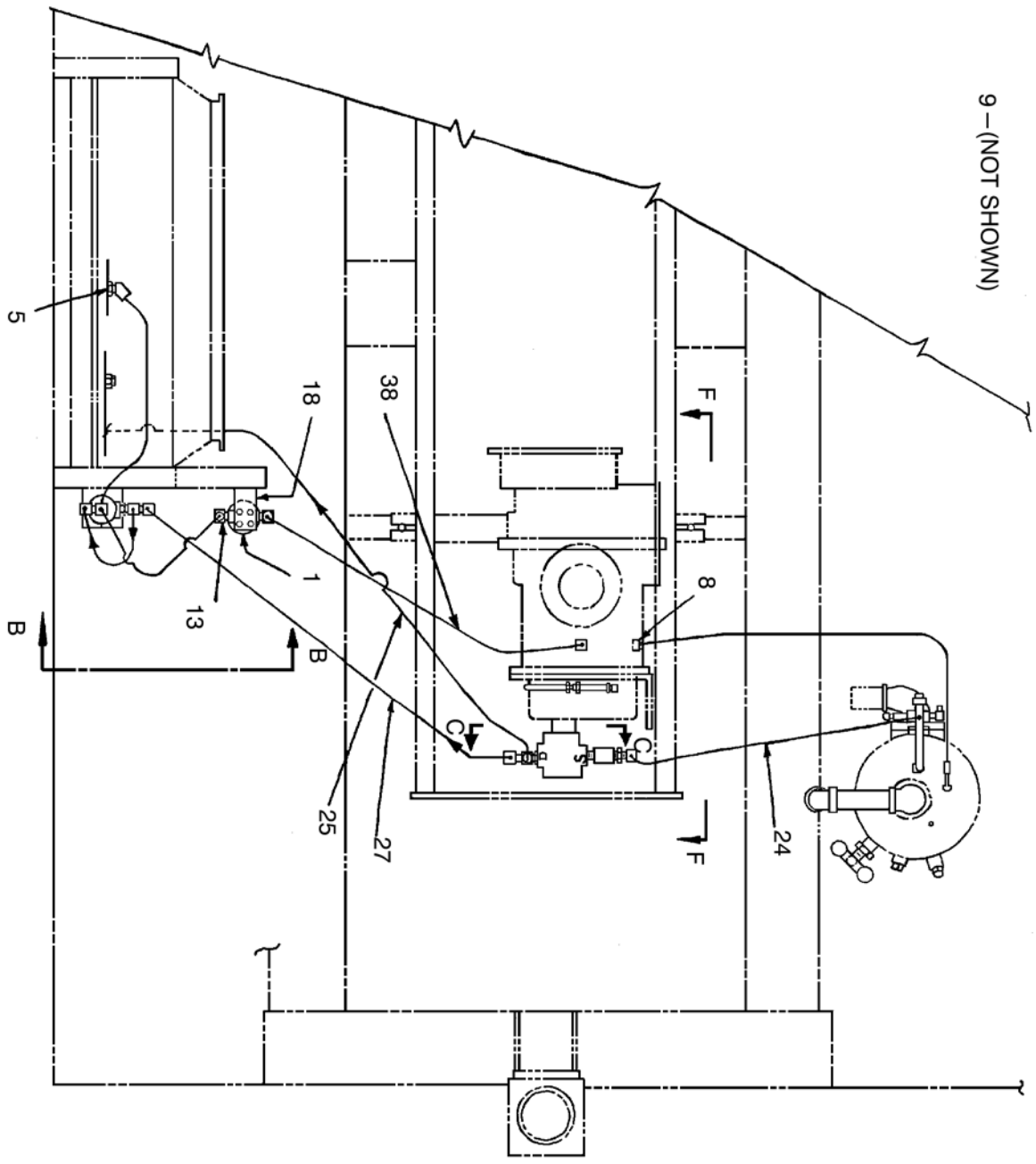


BOM 35849215

35849215 VALVE,BLOWDOWN

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	36731602	1.0	EA	BODY BLOWDOWN VALVE	
002.0	35849116	1.0	EA	PISTON	
003.0	35849108	1.0	EA	COVER BLOWDOWN VALVE	
004.0	35335066	1.0	EA	U-SEAL 1.00DIAX.125	
005.0	35335074	1.0	EA	U-SEAL 2.00DIAX.187	
006.0	95021994	1.0	EA	O-RING	
007.0	35311463	4.0	EA	SCREW	
008.0	35337070	1.0	EA	M SCR,CAP SOC M6X.12	
009.0	35337088	1.0	EA	WASHER VITON	
010.0	35259282	1.0	EA	LOCTITE 271 RED	
011.0	35601749	1.0	EA	SPRING WAVE 2 TURN	
012.0	95267191	2.0	EA	PLUG,PIPE,CSUNK	

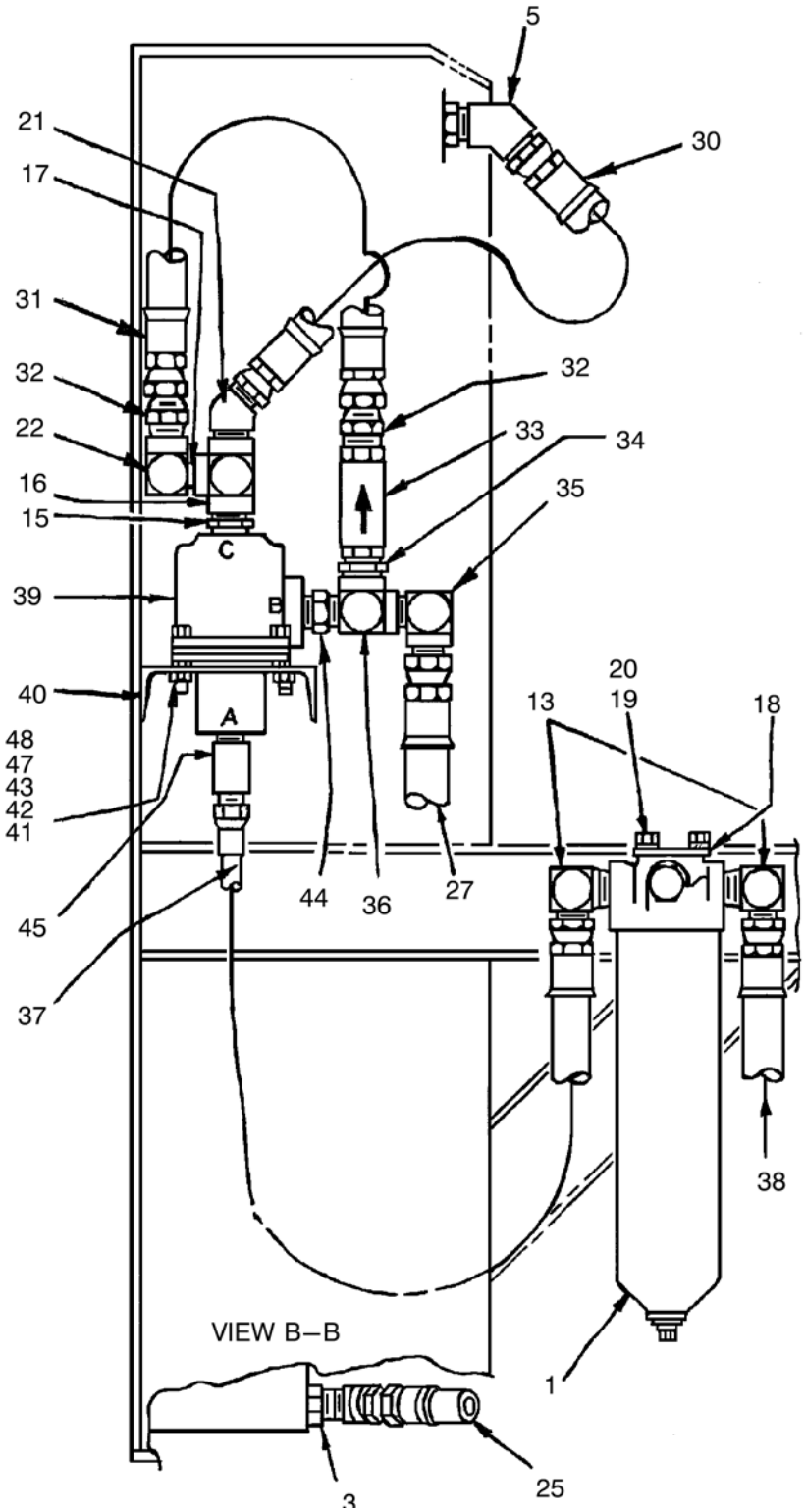
57776007 PIPING,COC,XL1200



TB57661605 REV 008

BOM 57776007

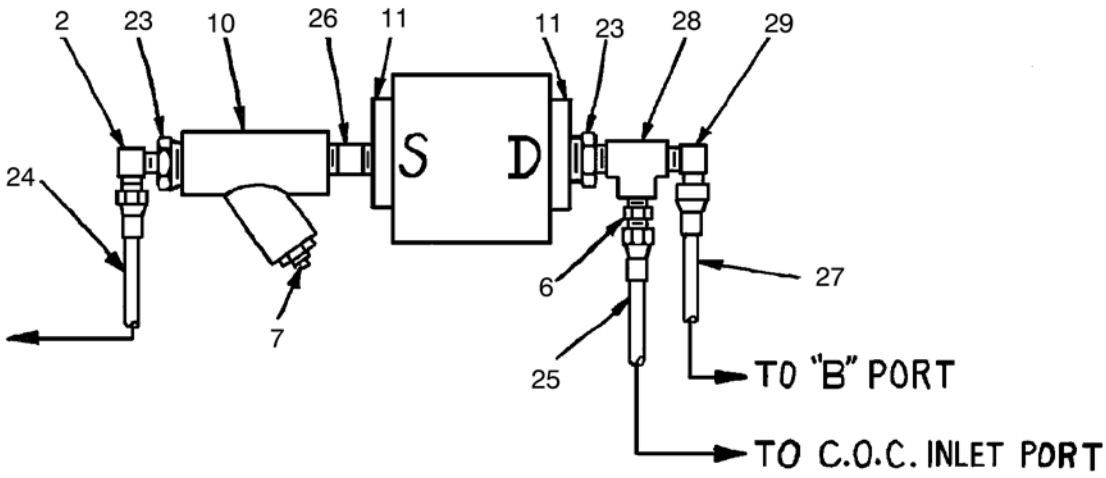
57776007 PIPING,COC,XL1200



TB57661605 REV 008

BOM 57776007

57776007 PIPING,COC,XL1200

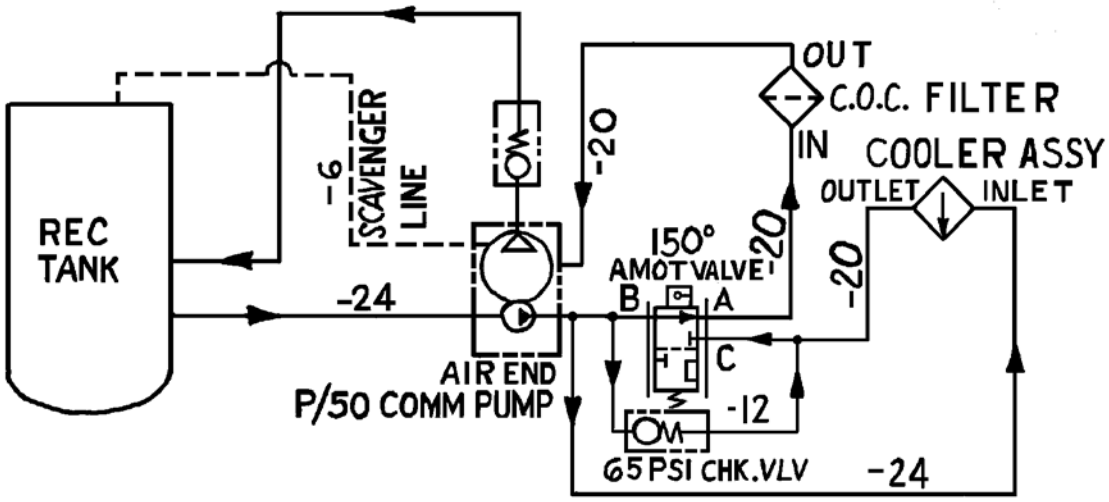


TB57661605 REV 008

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57776007

57776007 PIPING,COC,XL1200



TB57661605 REV 008

BOM 57776007

57776007 PIPING,COC,XL1200

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	52172111	1.0	EA	FILTER,OIL	**See Page 336**
002.0	95279147	1.0	EA	FITTING,HYD	
003.0	95387346	1.0	EA	ADAPTER	
005.0	95387346	1.0	EA	ADAPTER	
006.0	95208682	1.0	EA	FITTING,HYD	
007.0	95101044	1.0	EA	PLUG,PIPE	
008.0	95329975	1.0	EA	ELBOW,90 DEG STRT THRD	
009.0	57325391	1.0	EA	HOSE ASSY	
010.0	57420895	1.0	EA	STRAINER, OIL-2 NPT	
-	57520223	1.0	EA	- ELEMENT, STRAINER	
011.0	95414009	2.0	EA	FLANGE	
013.0	95279469	2.0	EA	FITTING,HYD	
015.0	95365177	1.0	EA	FITTING,HYD	
016.0	95678041	1.0	EA	FITTING, HYD	
017.0	52197530	1.0	EA	FITTING, HYD	
018.0	57481491	1.0	EA	BRACKET,FILTER,XL1200	
019.0	95934550	4.0	EA	CAPSCREW,HEX	
020.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
021.0	95279139	1.0	EA	FITTING,HYD	
022.0	95279402	1.0	EA	ELBOW,90DEG MALE 37DGFL	
023.0	95038212	1.0	EA	BUSHING,PIPE,REDUCING	
024.0	57209124	1.0	EA	HOSE ASSY.	
025.0	58162454	1.0	EA	HOSE ASSY	
026.0	95097291	1.0	EA	NIPPLE,PIPE,EXTRA STRONG	
027.0	57065682	1.0	EA	HOSE ASSY	
028.0	95433751	1.0	EA	FITTING, HYD	
029.0	95279477	1.0	EA	FITTING,HYD	
030.0	56957889	1.0	EA	HOSE ASSY	
031.0	57034332	1.0	EA	HOSE ASSY	
032.0	95279337	1.0	EA	FITTING,HYD	
033.0	50261825	1.0	EA	VALVE, CHECK	
034.0	95324273	1.0	EA	FITTING,HYD	
035.0	95279469	1.0	EA	FITTING,HYD	
036.0	95280087	1.0	EA	TEE	
037.0	56981632	1.0	EA	HOSE ASSY	
038.0	58060294	1.0	EA	HOSE ASSY	
039.0	58233016	1.0	EA	VALVE, TEMP. BY-PASS	**See Page 338**
040.0	57139982	1.0	EA	BRACKET, MOUNTING-AMOT	
041.0	95941100	4.0	EA	CAPSCREW	
042.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
043.0	95922894	4.0	EA	NUT,HEX	

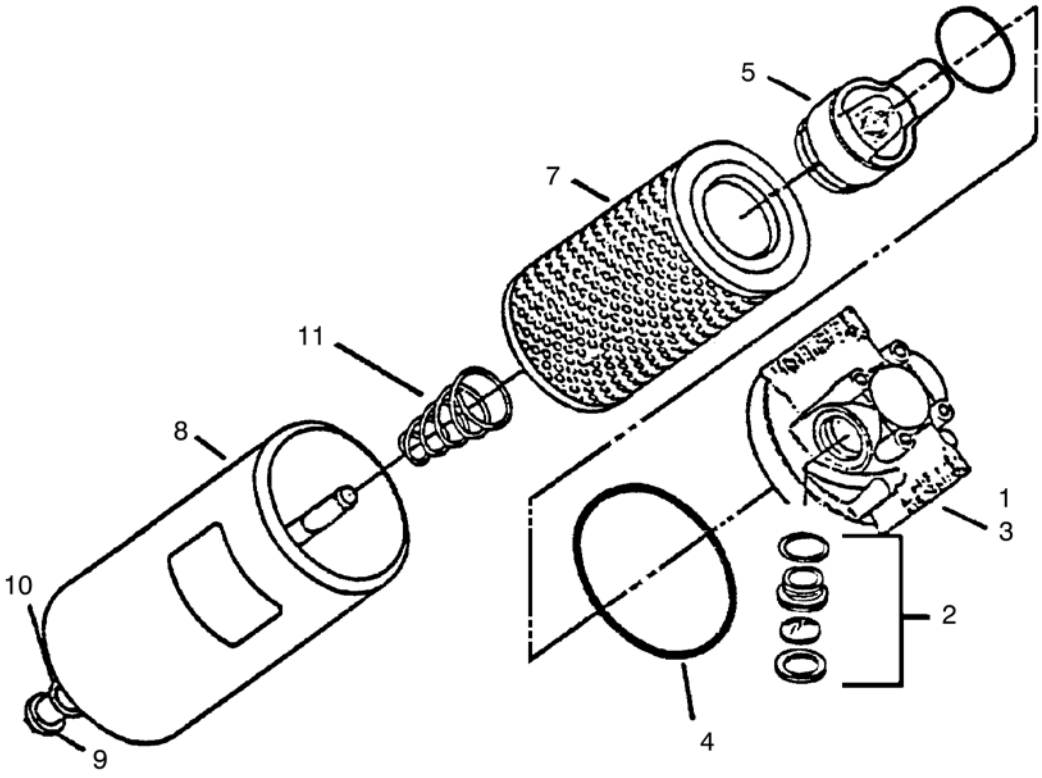
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57776007

57776007 PIPING,COC,XL1200

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
044.0	95038154	1.0	EA	BUSHING PIPE	
045.0	95208682	1.0	EA	FITTING,HYD	
047.0	95922233	8.0	EA	WASHER,FLAT,WIDE	
048.0	52183498	4.0	EA	JAM NUT	

52172111 FILTER,OIL

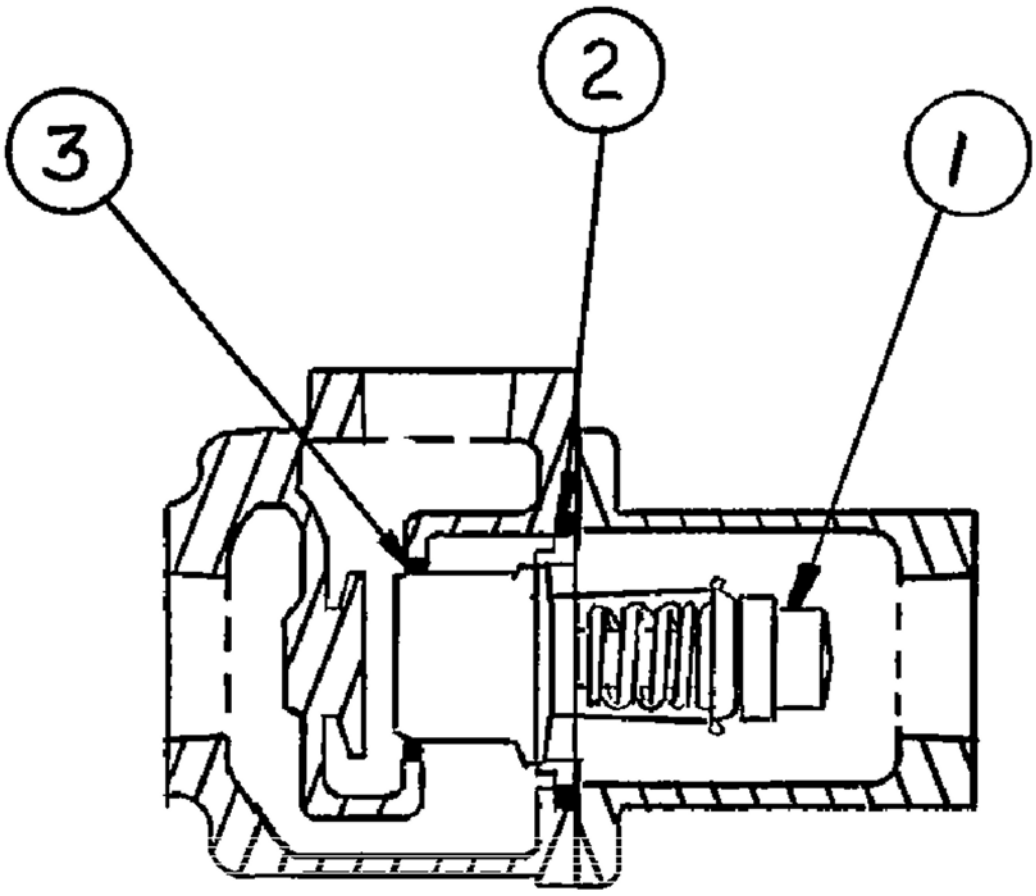


BOM 52172111

52172111 FILTER,OIL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52234655	1.0	EA	HEAD ASSEMBLY	
002.0	52234705	1.0	EA	WINDOW ASSY	
003.0	52234713	1.0	EA	WINDOW ASSY	
004.0	95070603	1.0	EA	O-RING	
005.1	57113367	1.0	EA	VALVE,BY PASS	
007.0	52263209	1.0	EA	ELEMENT,FILTER-10MICRON	
-	95070603	1.0	EA	- O-RING	
008.0	35251529	1.0	EA	HOUSING	
009.0	50815638	1.0	EA	BOLT	
010.0	52234747	1.0	EA	RING	
011.0	35251552	1.0	EA	SPRING	

58233016 VALVE, TEMP. BY-PASS

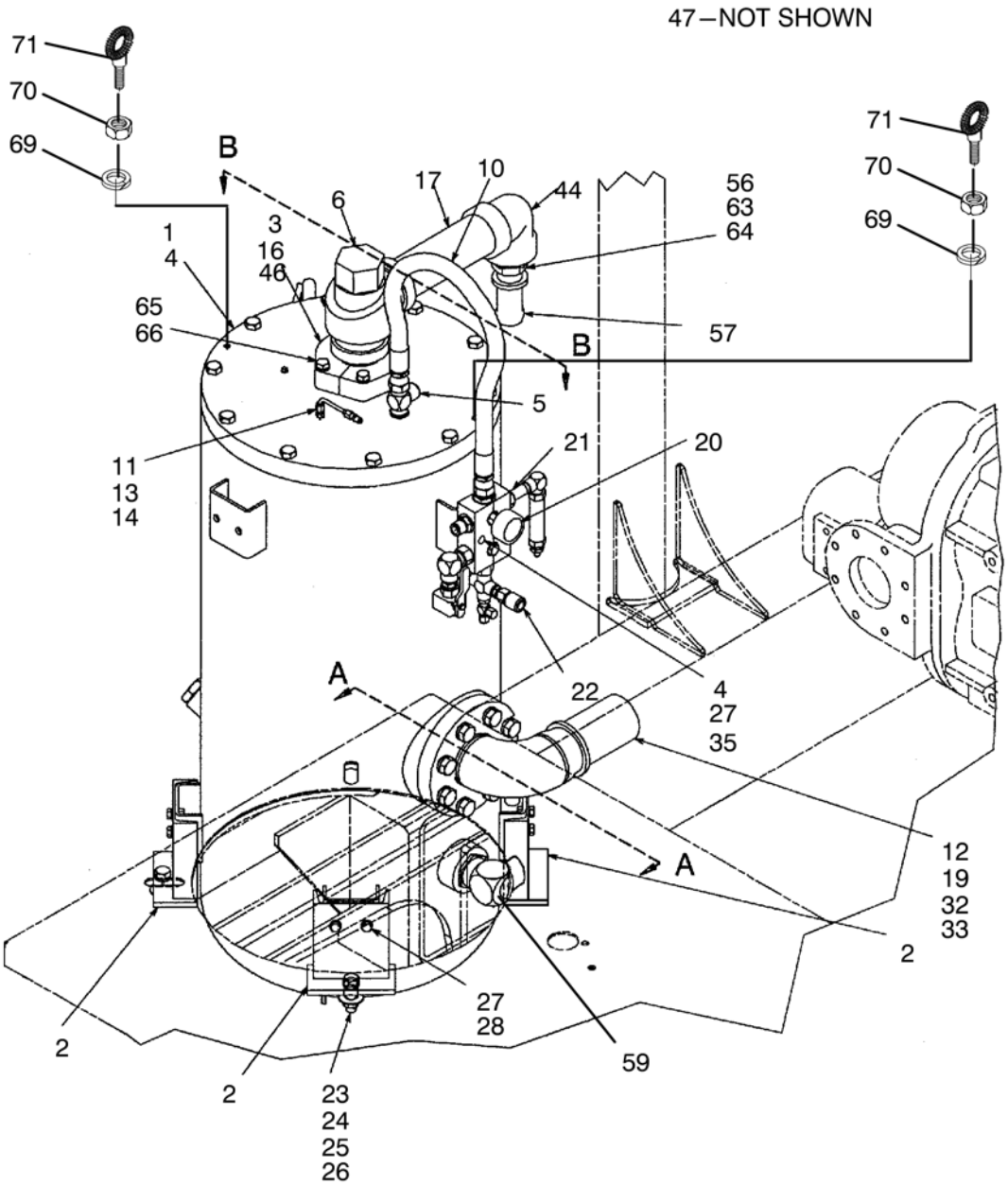


BOM 58233016

58233016 VALVE, TEMP. BY-PASS

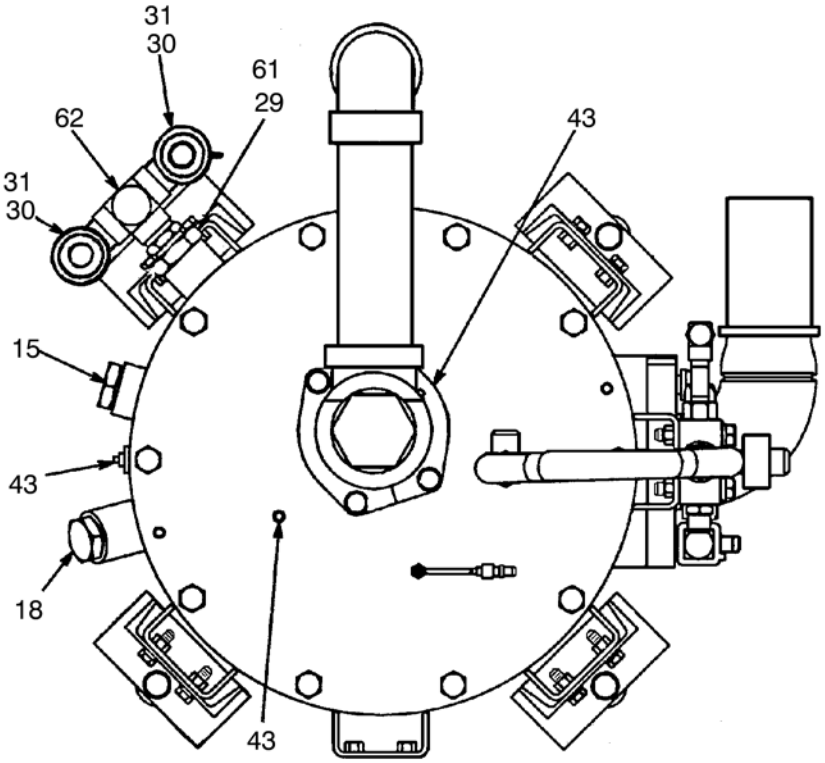
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57170839	1.0	EA	ELEMENT	
002.0	95000477	1.0	EA	O'RING	
003.1	95022281	1.0	EA	O-RING	

57569766 TANK,REC.VERTICAL ASSY

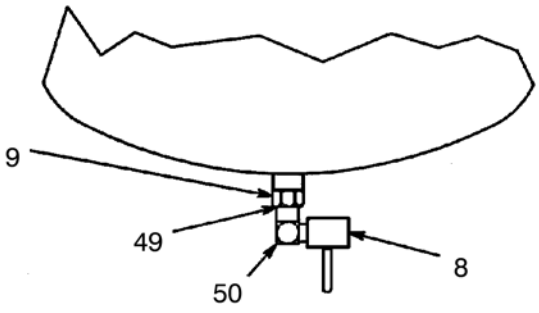


BOM 57569766

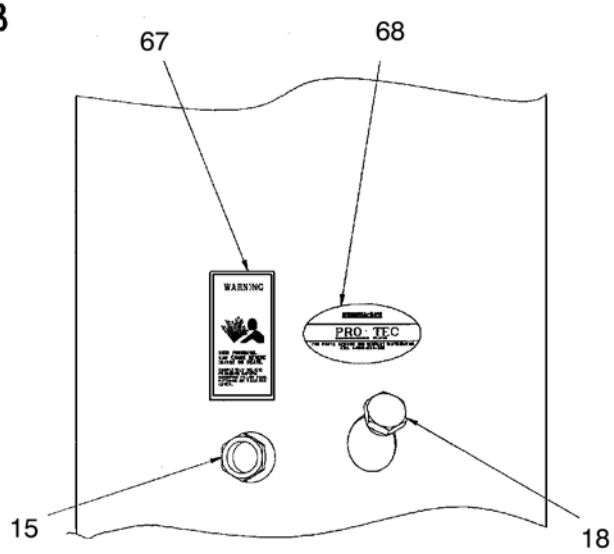
57569766 TANK,REC.VERTICAL ASSY



VIEW B-B



VIEW A-A



VIEW –C

D2657569766 REV 004

BOM 57569766

57569766 TANK,REC.VERTICAL ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57569717	1.0	EA	TANK,VERT SEP 24"DIA	
002.0	57545931	4.0	EA	MOUNT,REC FOOT	
003.0	57546020	1.0	EA	BLOCK,FLANGE	
004.0	57546145	1.0	EA	ELEMENT,SEP 7 LAYER	
005.0	95488110	1.0	EA	TEE,STRAIGHT THRD RUN	
006.0	57546178	1.0	EA	VALVE,MIN PRESSURE 65	
008.0	50829605	1.0	EA	VALVE,BALL-1/2	
009.0	95529079	1.0	EA	ADAPTER,FEMALE,STRT,THD	
010.0	56974140	1.0	EA	HOSE ASSY	
011.0	39417118	1.0	EA	ADAPTER,1/4"	
012.0	57545949	1.0	EA	PIPE,INLET 285MM DML	
013.0	95731014	1.0	EA	FITTING, HYD	
014.0	39871694	1.0	EA	TUBE,SCAVENGE	
015.0	57889453	1.0	EA	GLASS,SIGHT-RECEIVER TNK	
016.0	95060745	1.0	EA	O-RING	
017.0	95280731	1.0	EA	NIPPLE	
018.0	95748562	1.0	EA	FITTING, HYD	
019.0	57546160	1.0	EA	GASKET,COMP DISCHARGE	
020.0	57112963	1.0	EA	GAUGE,PRESSURE	
021.0	57546228	1.0	EA	MANIFOLD,UPPER	**See Page 344**
022.0	57546236	1.0	EA	MANIFOLD,LOWER	**See Page 346**
023.0	95934691	4.0	EA	WASHER,LOCK,HELICAL	
024.0	95922928	4.0	EA	NUT,HEX,FINISHED	
025.0	95104659	4.0	EA	CAPSCREW	
026.0	95972246	8.0	EA	WASHER,FLAT,PLATED	
027.0	95209409	10.0	EA	WASHER,LOCK	
028.0	95104147	8.0	EA	CAPSCREW,HEX	
029.0	56901424	1.0	EA	FITTING, HYD	
030.0	95280004	2.0	EA	ELBOW	
031.0	57421349	2.0	EA	VALVE, SAFETY	
032.0	54565569	8.0	EA	SCREW,CAP,HEX	
033.0	95043162	8.0	EA	LOCKWASHER	
035.0	95064697	2.0	EA	WASHER,FLAT 1/2	
043.0	95033593	3.0	EA	PLUG,PIPE,SQ HEAD,SOLID	
044.0	95040333	1.0	EA	ELBOW	
046.0	95049037	1.0	EA	NIPPLE 3	
047.0	95053054	2.0	EA	CAPSCREW	
049.0	95084109	1.0	EA	NIPPLE,PIPE	
050.0	95264891	1.0	EA	ELBOW,90DEG-EXT/INT NPT	
056.0	95037354	1.0	EA	BUSHING	
057.0	52152501	1.0	EA	HOSE STEM	

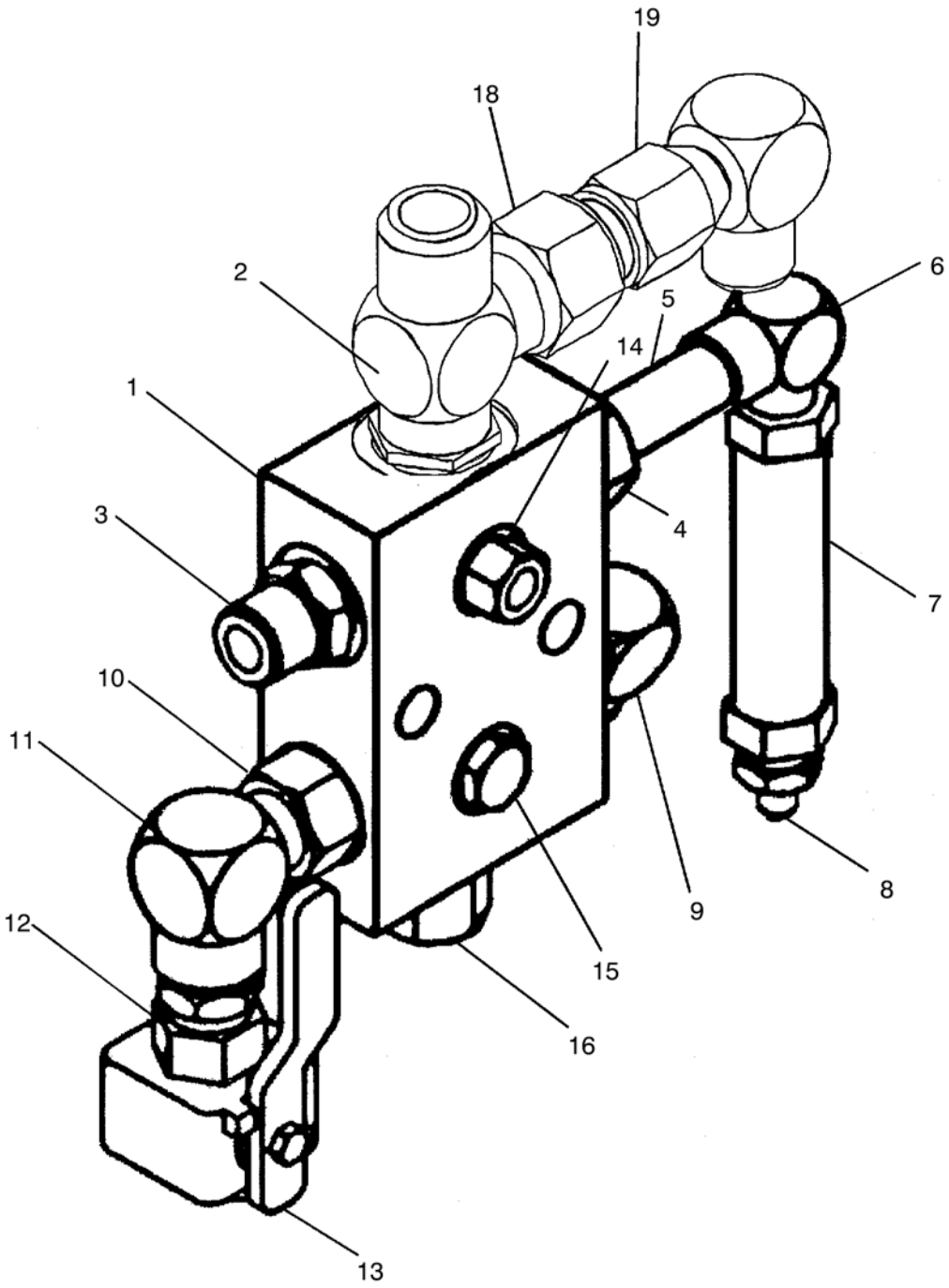
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57569766

57569766 TANK,REC.VERTICAL ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
-	50023910	1.0	EA	- STEM	
059.0	95490611	1.0	EA	FITTING,HYD	
061.0	95324273	1.0	EA	FITTING,HYD	
062.0	95322780	1.0	EA	TEE	
063.0	95033585	1.0	EA	PLUG,PIPE,SQ HEAD,SOLID	
064.0	95287629	1.0	EA	CONNECTOR,MALE,37 DEG	
065.0	95919841	4.0	EA	CAPSCREW/35A2A329Z1HR	
066.0	95934741	4.0	EA	WASHER,LOCK HELICAL	
067.0	57140352	1.0	EA	DECAL,WARNING-HIGH PRESS	
068.0	36535185	1.0	EA	DECAL,PRO-TEC	
069.0	95209409	2.0	EA	WASHER,LOCK	
070.0	95922902	2.0	EA	NUT,HEX,FINISHED,PLATED	
071.0	95037255	2.0	EA	BOLT,EYE	

57546228 MANIFOLD,UPPER



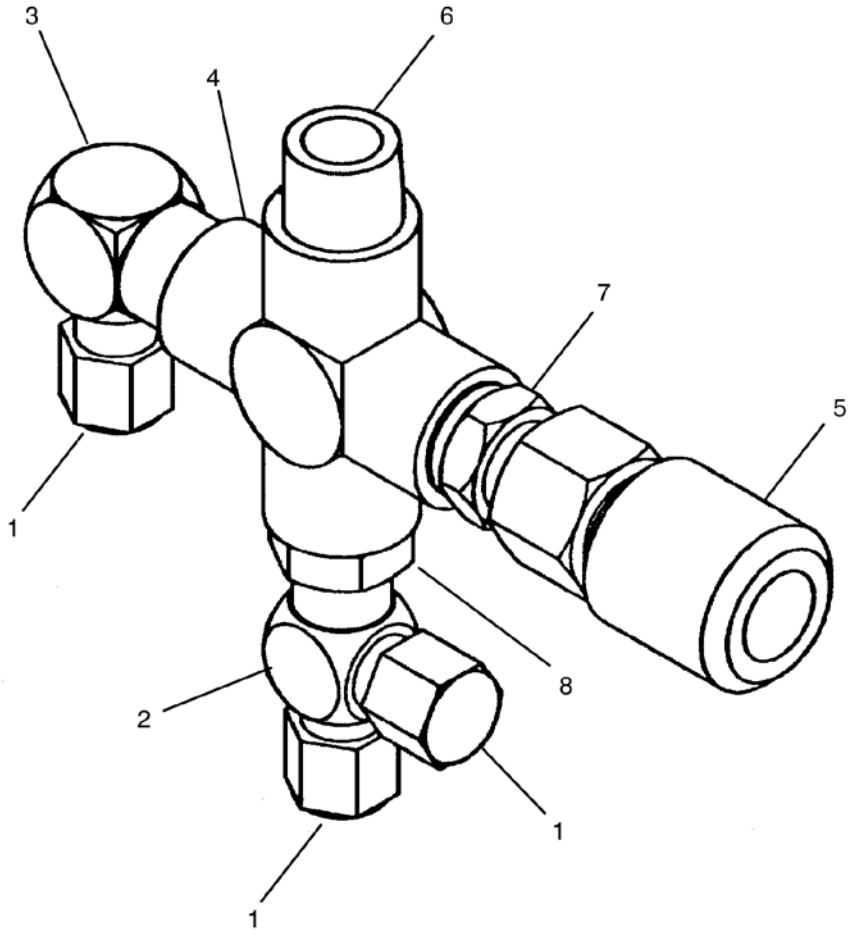
C57546228 REV 003

BOM 57546228

57546228 MANIFOLD,UPPER

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57546038	1.0	EA	MANIFOLD	
002.0	95329983	1.0	EA	CONNECTOR,STRAIGHT THRD	
003.0	95356960	1.0	EA	CONNECTOR,STRT THRD	
004.0	95538252	1.0	EA	FITTING,HYD	
005.0	95056420	1.0	EA	NIPPLE,PIPE	
006.0	95264891	1.0	EA	ELBOW,90DEG-EXT/INT NPT	
007.0	50622273	1.0	EA	VALVE, RELIEF	
008.0	95330023	1.0	EA	FITTING, HYD	
009.0	95330692	1.0	EA	ELBOW,90 DEG STRT THRD	
010.0	95702619	1.0	EA	ADAPTER	
011.0	95264909	1.0	EA	ELBOW,90DEG-EXT/INT NPT	
012.0	95315222	1.0	EA	FITTING,HYD	
013.0	52172723	1.0	EA	VALVE,MANUAL SHUTOFF	
-	50212224	1.0	EA	- VALVE,BALL-3/4	
014.0	95655072	1.0	EA	FITTING, HYD	
015.0	95323465	1.0	EA	PLUG,HEX HEAD,STRT THRD	
016.0	95775623	1.0	EA	FITTING, HYD	
018.0	56953573	1.0	EA	FITTING, HYD	
019.0	95302147	1.0	EA	ELBOW,90 DEG SWIVEL NUT	

57546236 MANIFOLD,LOWER



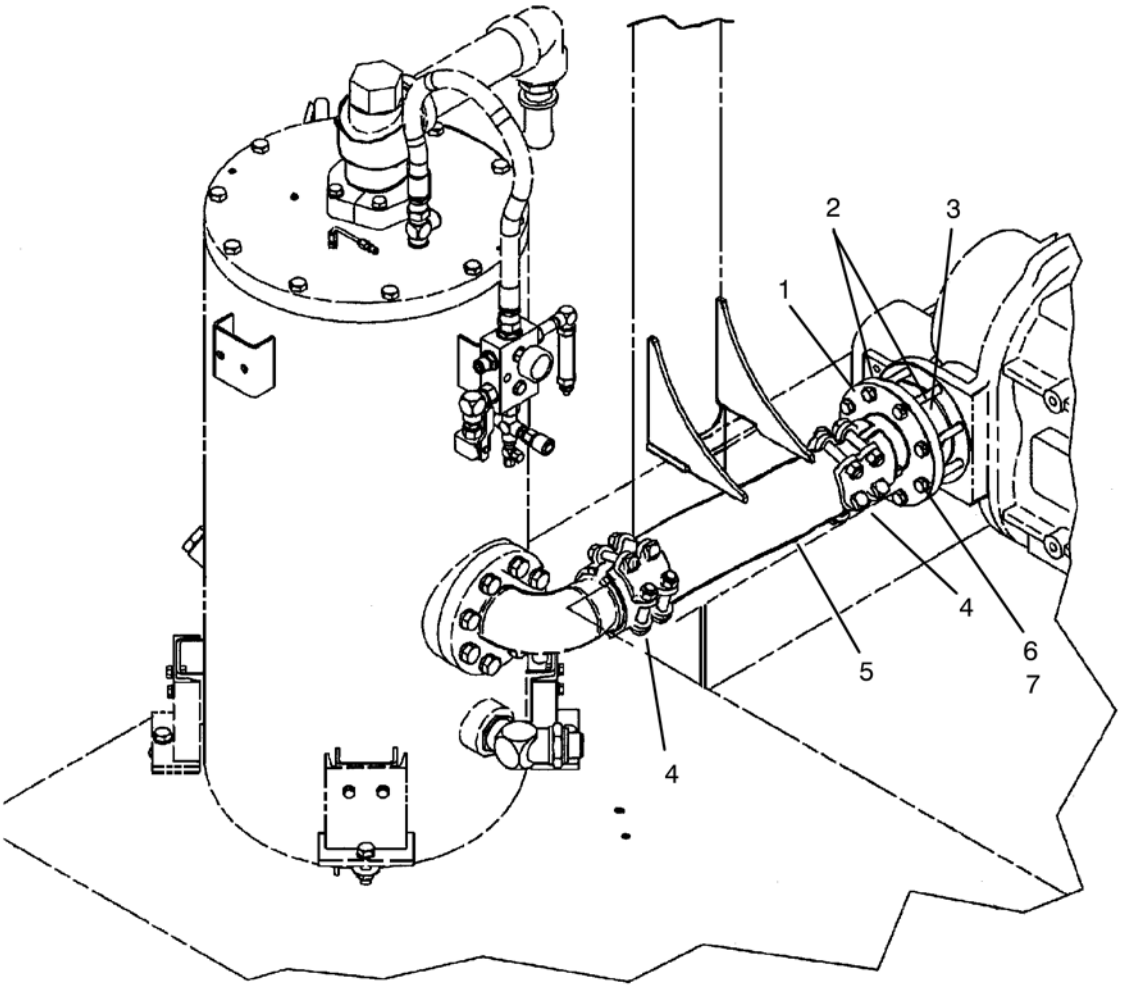
C2657546236 REV 001

BOM 57546236

57546236 MANIFOLD,LOWER

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	95257341	3.0	EA	CAP,JIC-6	
002.0	95730990	1.0	EA	TEE,NPT/JIC	
003.0	95279527	1.0	EA	ELBOW,90 DEG MALE	
004.0	95378907	1.0	EA	CROSS,FEMALE PIPE	
005.0	57434110	1.0	EA	COUPLING,QUICKDISCONNECT	
006.0	95084109	1.0	EA	NIPPLE,PIPE	
007.0	95302733	1.0	EA	FITTING	
008.0	52244142	1.0	EA	FITTING,HYD	

57569808 PIPING,REC TO COMP.

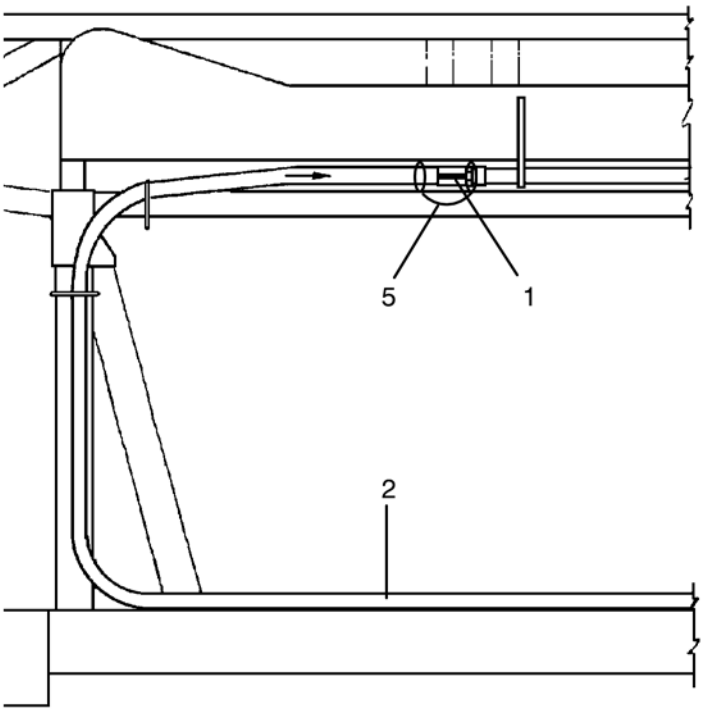


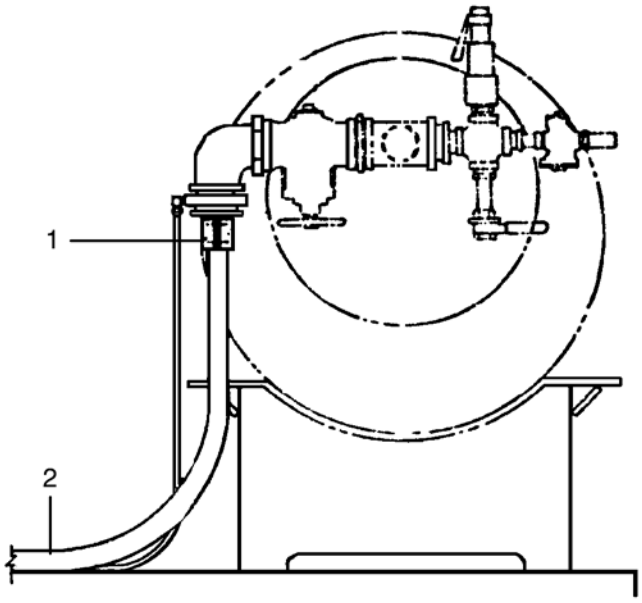
BOM 57569808

57569808 PIPING,REC TO COMP.

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57545956	1.0	EA	PIPE,DISCHARGE 285MM	
002.0	57176471	2.0	EA	GASKET,COMP.	
003.0	35362656	1.0	EA	VALVE,CHECK-4	
-	36768968	0.0	EA	- SEAL,TEFLON,4'-1600D-4	
-	36768976	0.0	EA	- SPRING,4"-1600D-6	
004.0	57823932	2.0	EA	CLAMP,3-PIECE,4"HOSE	
005.0	57791030	27.0	IN	HOSE,BULK 4"ID BULDOG GD	
006.0	35292135	8.0	EA	CAPSCREW	
007.0	50855923	8.0	EA	WASHER,LOCK	

57471880 PIPING,RECEIVER TO TOWER





E2657471880 REV 004

BOM 57471880

57471880 PIPING,RECEIVER TO TOWER

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	50743731	2.0	EA	CLAMP,HOSE	
002.0	35612712	464.0	IN	HOSE,AIR 2"	
005.0	57358145	2.0	EA	CABLE, HOSE RESTRAINT	

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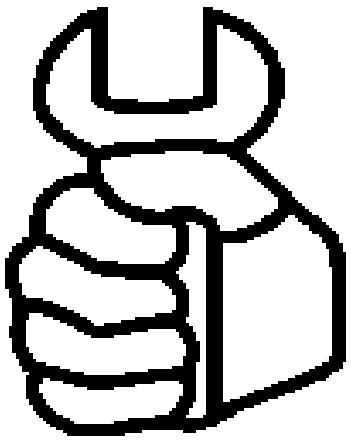
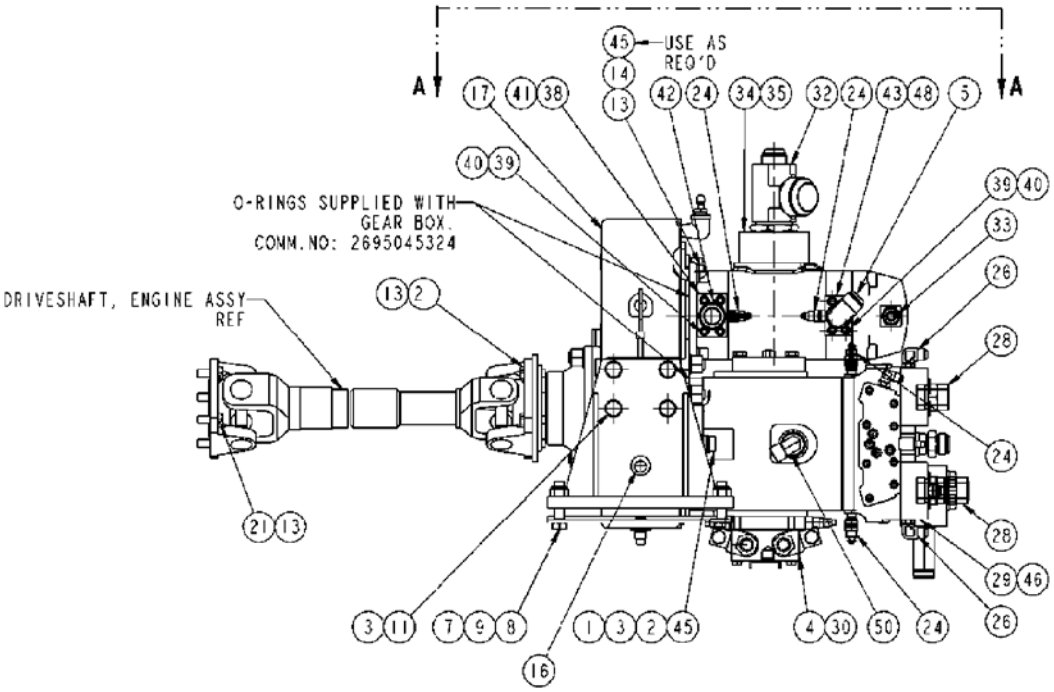
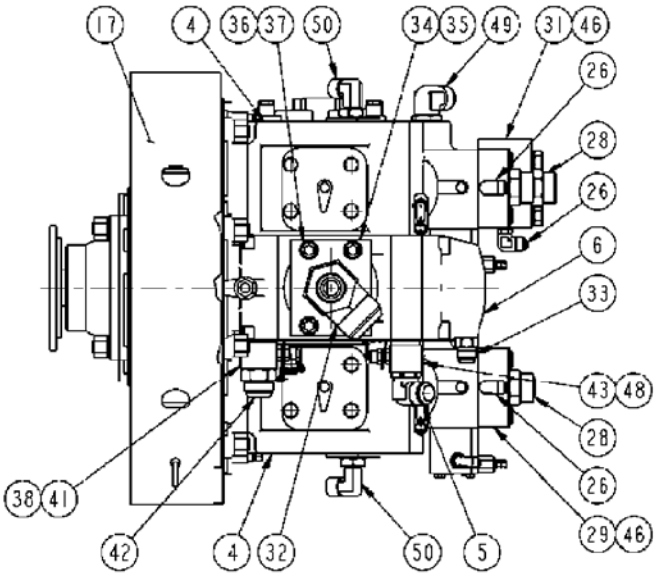


Section J - Hydraulic System

57864480 DRIVE,MAIN HYD P7,9A 3P

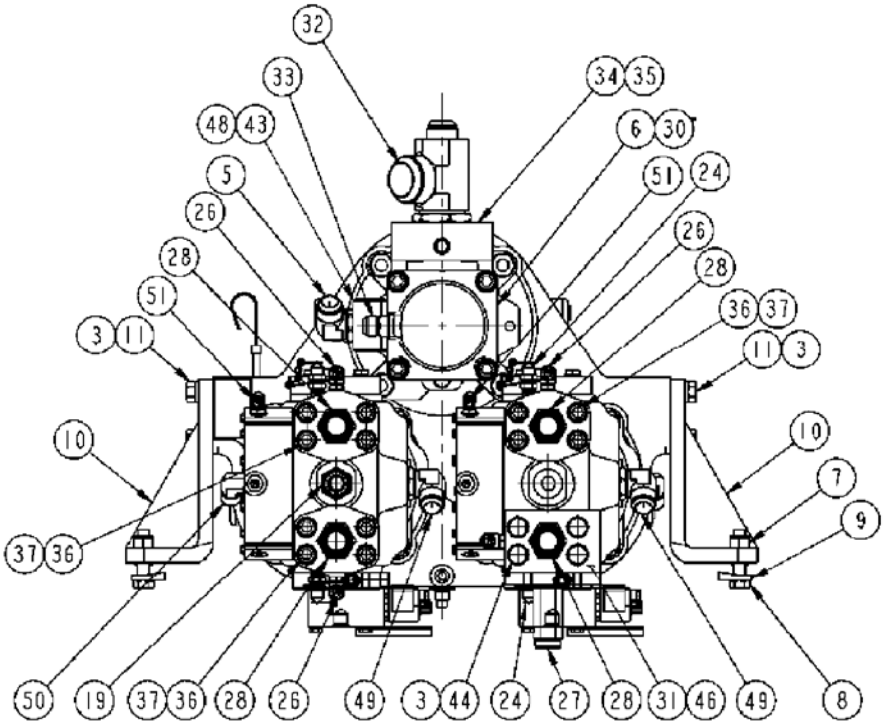




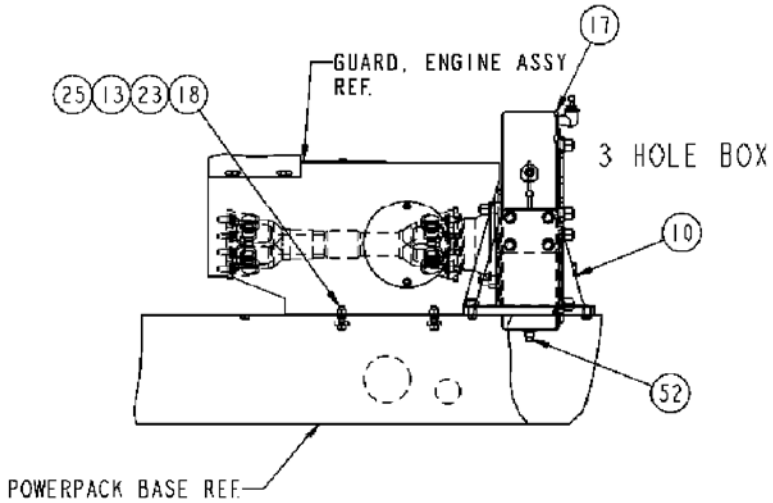
VIEW A-A

BOM 57864480

57864480 DRIVE,MAIN HYD P7,9A 3P



ROTATION PUMP FEED PUMP



D2657864480 REV 000

BOM 57864480

57864480 DRIVE,MAIN HYD P7,9A 3P

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	95335337	4.0	EA	CAPSCREW	
002.0	56951700	4.0	EA	TUBE	
003.0	95934741	16.0	EA	WASHER,LOCK HELICAL	
004.0	57799322	2.0	EA	PUMP,P7,9A CONT	**See Page 358**
005.0	95368890	1.0	EA	ELBOW,90 DEG,STRT THRD	
006.0	57740730	1.0	EA	PUMP,TRIPLE	**See Page 388**
007.0	95080206	4.0	EA	NUT,HEX,LOCK	
008.0	95919858	4.0	EA	CAPSCREW,HEX HEAD,PLATED	
009.0	56986599	2.0	EA	WASHER	
010.0	52227154	2.0	EA	BRACKET	
-	52245578	1.0	EA	- BRACKET	
011.0	95919817	8.0	EA	CAPSCREW,HEX HEAD	
013.0	95934733	14.0	EA	WASHER,LOCK	
014.0	95934659	2.0	EA	CAPSCREW,HEX	
016.0	50057132	6.0	LB	OIL, GEAR	
017.0	57651234	1.0	EA	DRIVE,PUMP-3 HOLE	**See Page 390**
018.0	95934451	4.0	EA	CAPSCREW,HEXHEAD,PLATED	
019.0	95329983	1.0	EA	CONNECTOR,STRAIGHT THRD	
021.0	95920856	8.0	EA	CAPSCREW	
023.0	95922902	4.0	EA	NUT,HEX,FINISHED,PLATED	
024.0	57328676	6.0	EA	FITTING,TEST	
025.0	95245767	4.0	EA	WASHER,BEVEL	
026.0	95480109	4.0	EA	FITTING, HYD-90DEGO-RING	
027.0	57167728	1.0	EA	VALVE,CHECK-16 JIC	
028.0	57167454	4.0	EA	FITTING,STR,20OFS X20SAE	
029.0	57213936	3.0	EA	BLOCK,FLANGE	
030.0	57755266	0.1	PT	LUBRICANT,MOLYCOTE G-N	
031.0	57409443	1.0	EA	FLANGE, STRAIGHT - SAE	
032.0	57491441	1.0	EA	ADAPTER, TEE	
033.0	95364949	1.0	EA	FITTING, HYD	
034.0	57755290	1.0	EA	FLANGE,3 INCH,CODE 61	
035.0	95086625	1.0	EA	O-RING, 20A11CM237	
036.0	95013702	16.0	EA	CAPSCREW,HEX SOCKET HEAD	
037.0	95209425	16.0	EA	WASHER,LOCK	
038.0	57469546	1.0	EA	FLANGE BLOCK, 1 O'RING	
039.0	95055299	8.0	EA	CAPSCREW	
041.0	95086518	1.0	EA	O-RING	
042.0	95315289	1.0	EA	CONNECTOR,STRT THRD	
043.0	57744179	1.0	EA	FLANGE,SAE 12,4 BOLT	
044.0	95929147	4.0	EA	CAPSCREW,HEX	
045.0	50700731	0.0	EA	COMPOUND,SILICONE	

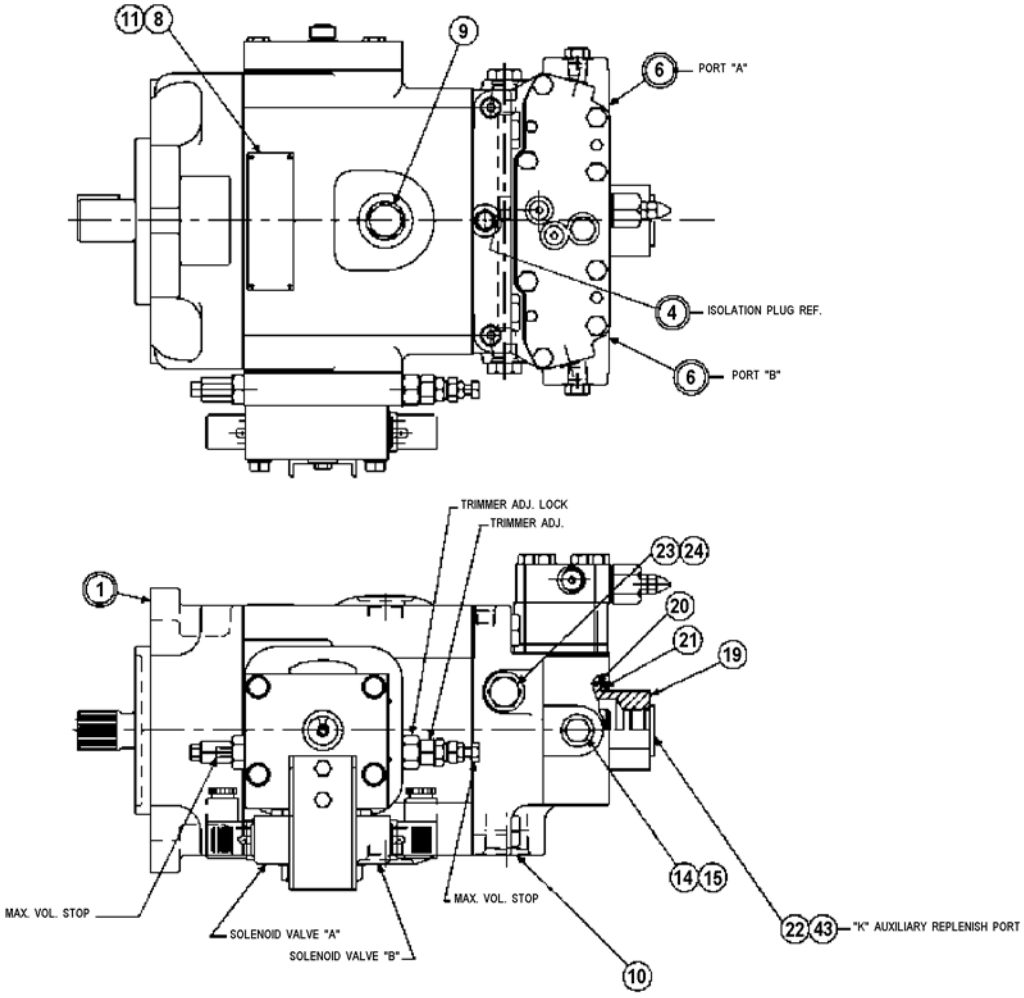
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57864480

57864480 DRIVE,MAIN HYD P7,9A 3P

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
046.0	95086567	4.0	EA	O'RING	
048.0	56940273	1.0	EA	O-RING, SPLIT FLANGE (12	
049.0	95280194	2.0	EA	ELBOW,90 DEG STRT THRD	
050.0	57167934	2.0	EA	FITTING,L90-120FSX12SAE	
051.0	95341665	2.0	EA	ELBOW,90 DEG STRT THRD	
052.0	95033619	1.0	EA	PLUG,PIPE-1/2 SQ HEAD	

57799322 PUMP,P7,9A CONT

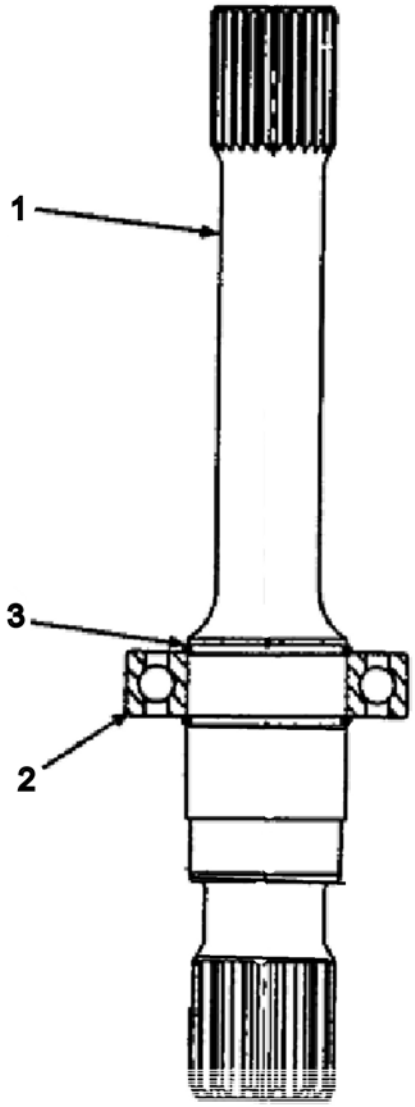


BOM 57799322

57799322 PUMP,P7,9A CONT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54407309	1.0	EA	DRIVE SHAFT & BEARING	**See Page 360**
002.0	57153090	1.0	EA	KIT-SHIM	
003.0	54416946	1.0	EA	KIT,RETAINING RING	**See Page 362**
004.0	52154515	1.0	EA	SEAL, SHAFT	
005.0	57307902	1.0	EA	O-RING	
006.0	54407358	1.0	EA	RETAINER,SEAL W/O RING	
007.0	52154499	4.0	EA	GASKET	
008.0	54407366	4.0	EA	SCREW	
009.0	52201738	1.0	EA	SERVO PLATE	
010.0	52154580	1.0	EA	PLATE	
011.0	54407366	2.0	EA	SCREW	
012.0	52154606	2.0	EA	SCREW	
013.0	52154622	8.0	EA	WASHER, NYLITE	
014.0	54407390	4.0	EA	SCREW	
015.0	57052631	1.0	EA	SERVO OUTPUT	**See Page 364**
016.0	57731846	1.0	EA	STROKER,9A ELECTROHYD	
-	57770232	2.0	EA	- VALVE,PROP PRESS CONT.	
-	57770240	2.0	EA	- COIL,24VDC	
017.0	54407648	8.0	EA	SCREW	
018.0	57417339	2.0	EA	SERVO-CONT.COVER GASKET	
020.0	54408612	1.0	EA	HOLDDOWN,GEROTOR& BARREL	**See Page 366**
021.0	54408620	1.0	EA	PORT BLOCK/HOUSING ASSY	**See Page 368**
022.0	54408638	1.0	EA	HOUSING,END CAP	**See Page 372**
023.0	54408646	1.0	EA	BARREL/SHAFT/CRADLE ASM	**See Page 376**
024.0	57306268	1.0	EA	VALVE BLOCK ASSY	**See Page 386**

54407309 DRIVE SHAFT & BEARING

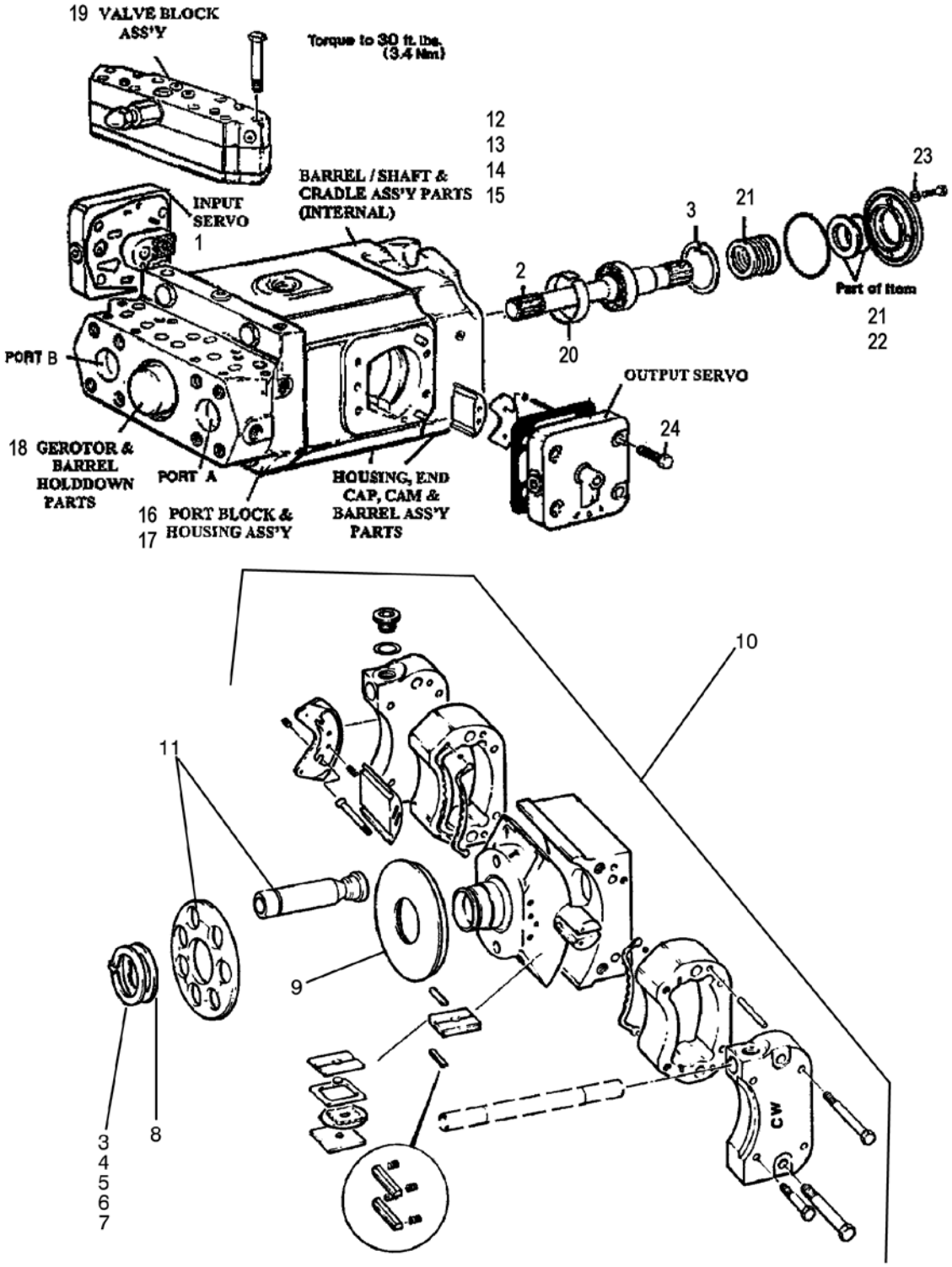


BOM 54407309

54407309 DRIVE SHAFT & BEARING

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52201662	1.0	EA	SUB 54407309 SHAFT ASM	
002.0	54407317	1.0	EA	BEARING	
003.0	52155751	2.0	EA	RING, RETAINING	

54416946 KIT,RETAINING RING



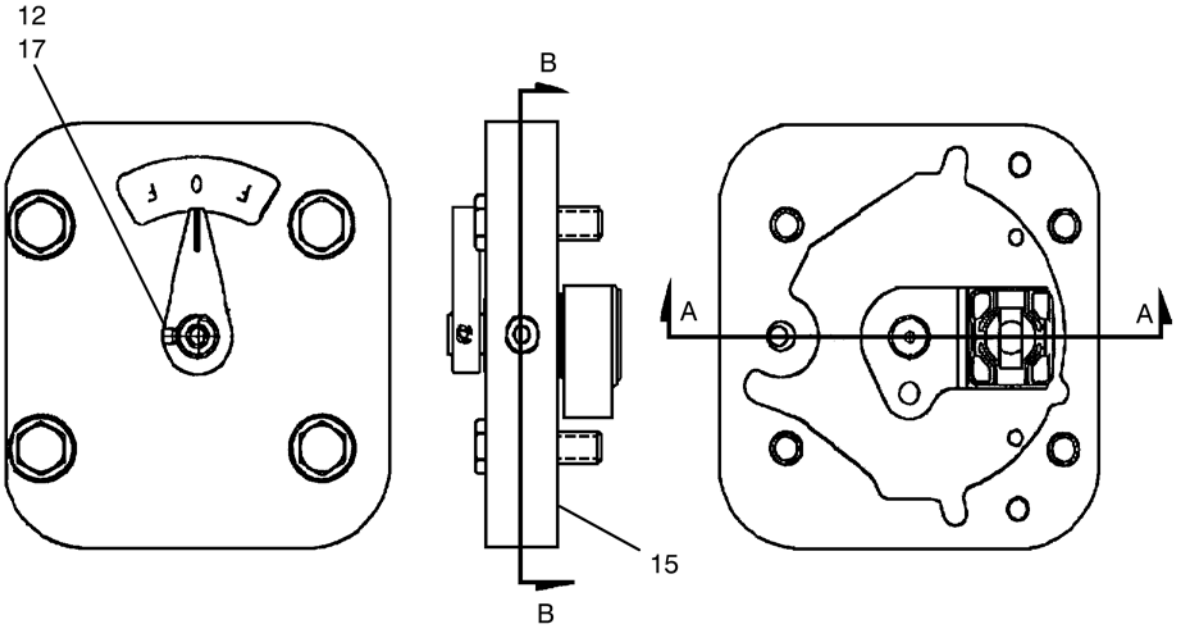
TB2652226834 REV 012

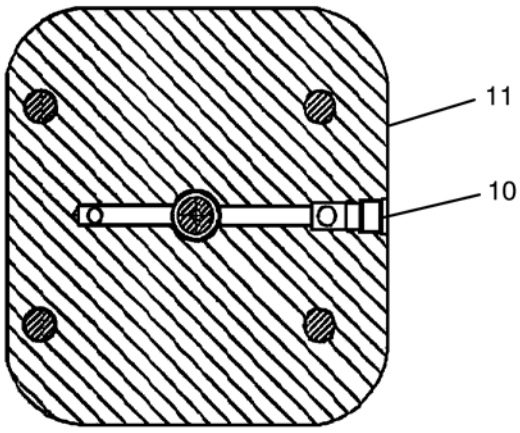
BOM 54416946

54416946 KIT,RETAINING RING

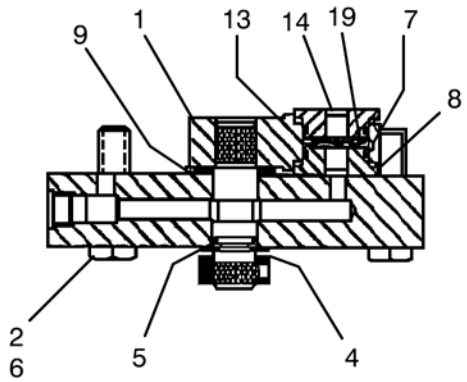
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54407325	1.0	EA	RING,RETAINING	
002.0	54407333	1.0	EA	RING,RETAINING	
003.0	54407341	1.0	EA	RING,RETAINING	

57052631 SERVO OUTPUT





SECTION B–B



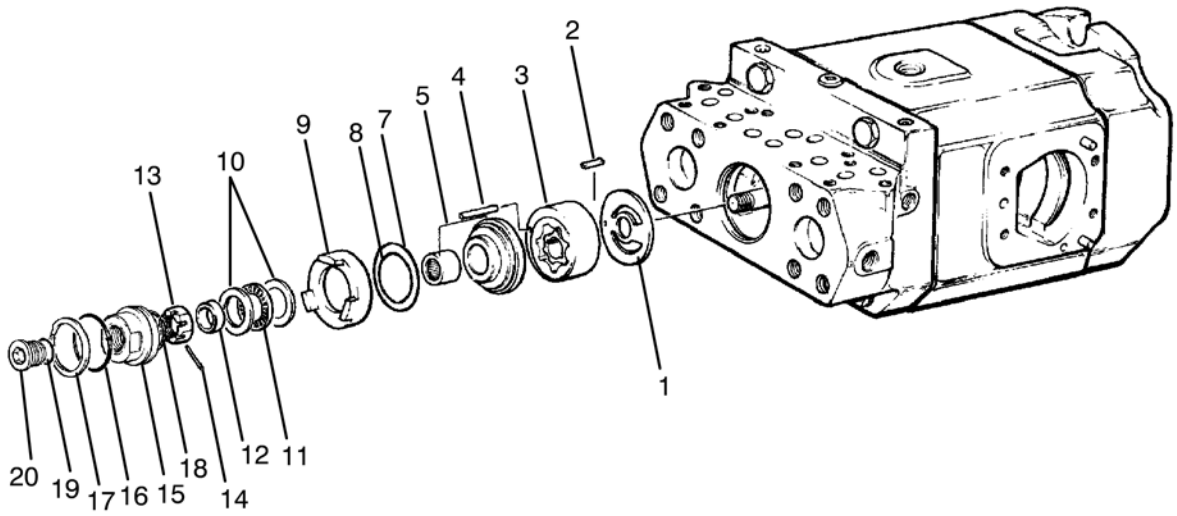
SECTION A–A

BOM 57052631

57052631 SERVO OUTPUT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54409123	1.0	EA	SERVO SHAFT ASSY	
002.0	54407390	4.0	EA	SCREW	
004.0	52201803	2.0	EA	RING,RETAING	
005.0	54407416	1.0	EA	O-RING	
006.0	52154622	4.0	EA	WASHER, NYLITE	
007.0	95097689	2.0	EA	O-RING	
008.0	57153108	1.0	EA	SHEAR SEAL	
009.0	54407457	3.0	EA	WASHER,THRUST	
010.0	52201811	1.0	EA	PIPE PLUG	
011.0	57151144	1.0	EA	COVER	
012.0	54407473	1.0	EA	INDICATOR	
013.0	52201779	2.0	EA	WASHER	
014.0	52201761	1.0	EA	SEAL,SHEAR	
015.0	57417339	1.0	EA	SERVO-CONT.COVER GASKET	
017.0	57240756	1.0	EA	SCREW, SET	
019.0	54407481	1.0	EA	WASHER,THRUST	

54408612 HOLDDOWN,GEROTOR& BARREL

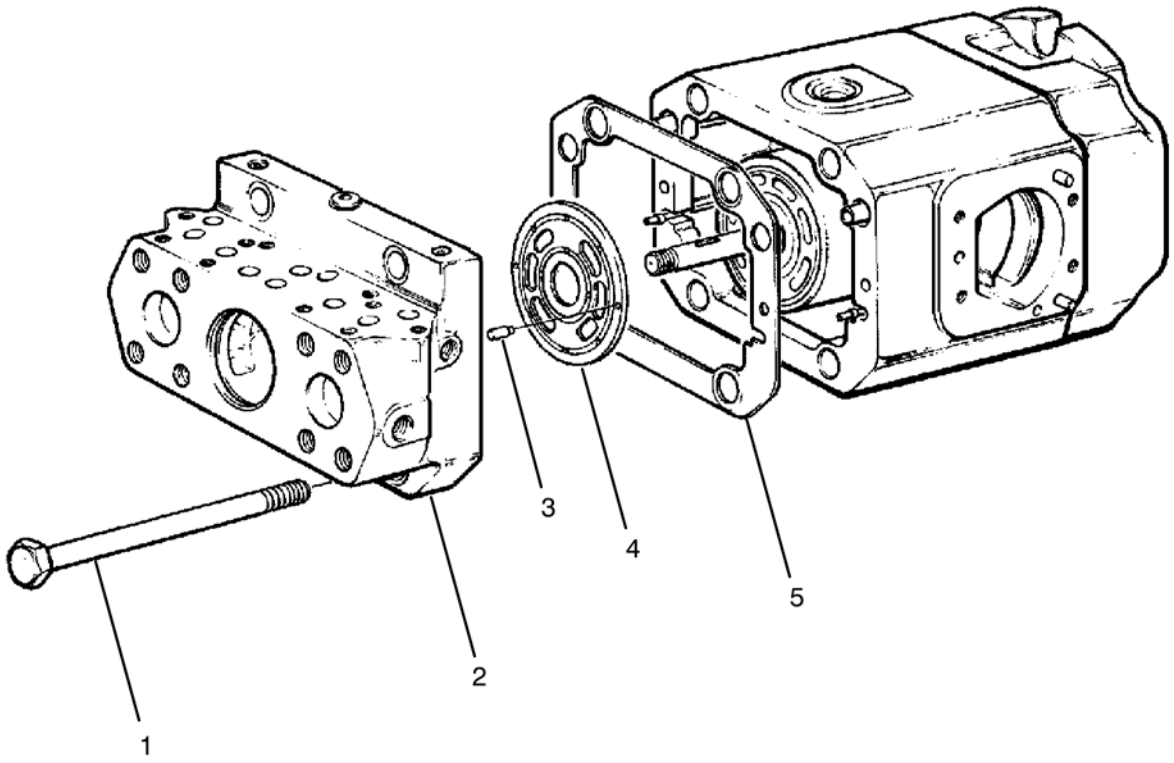


BOM 54408612

54408612 HOLDDOWN,GEROTOR& BARREL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57512188	1.0	EA	SIDE PLATE	
002.0	54407739	1.0	EA	KEY,SQUARE	
003.0	54407671	1.0	EA	GEROTOR	
004.0	52201894	1.0	EA	PIN, DOWEL	
005.0	52204831	1.0	EA	GEROTOR	
007.0	54407762	1.0	EA	O-RING	
008.0	54407796	1.0	EA	O-RING	
009.0	52154770	1.0	EA	PLATE	
010.0	52154788	2.0	EA	WASHER	
011.0	52154796	1.0	EA	BEARING	
012.0	52201928	1.0	EA	RING	
013.0	54407812	1.0	EA	NUT	
014.0	54407838	1.0	EA	PIN	
015.0	56988728	1.0	EA	COVER,FTG/90514L	
016.0	95086310	1.0	EA	O-RING, 20A11CM147	
017.0	52201936	1.0	EA	RING	
018.0	54407853	1.0	EA	RING,RETAINING	
019.0	54407879	1.0	EA	O-RING	
020.0	54407903	1.0	EA	PLUG	

54408620 PORT BLOCK/HOUSING ASSY

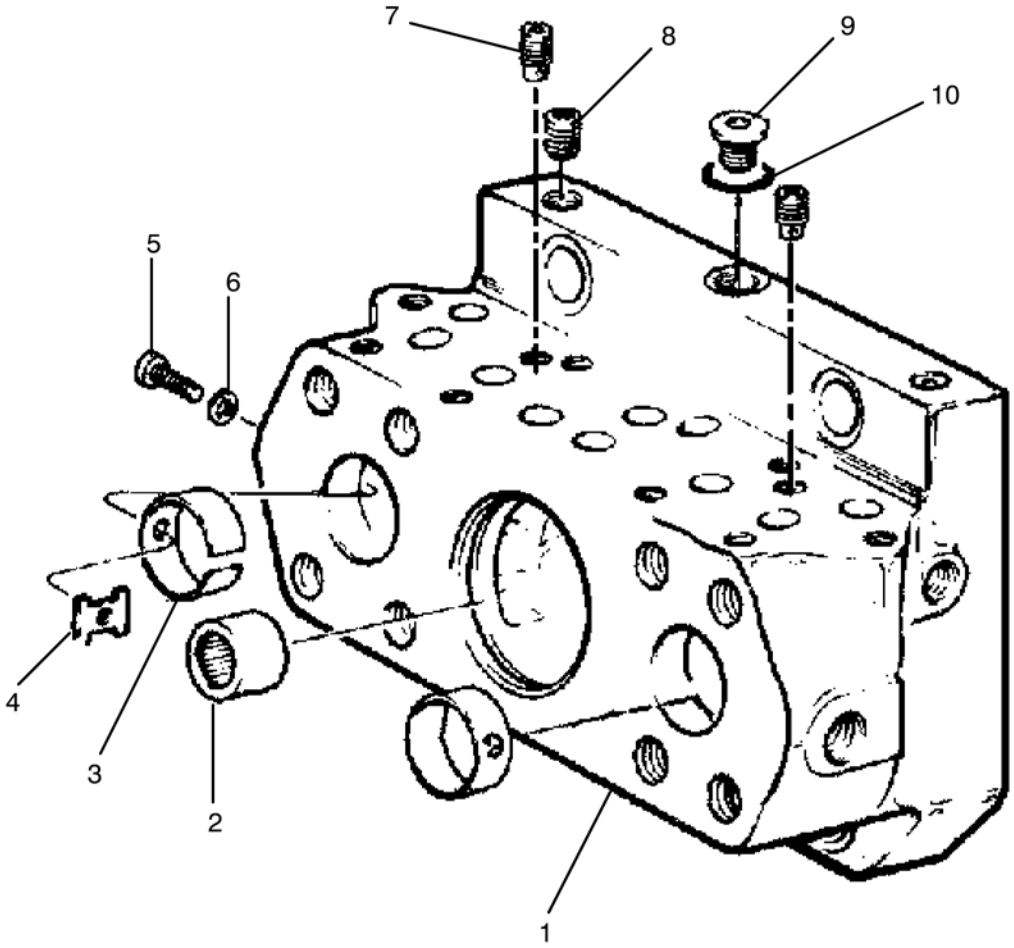


BOM 54408620

54408620 PORT BLOCK/HOUSING ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54407945	4.0	EA	SCREW	
002.0	52204815	1.0	EA	BLOCK-PORT	**See Page 370**
003.0	50817089	5.0	EA	PINS	
004.0	52204799	1.0	EA	PLATE, PORT-RH 15/32	
005.0	57487274	1.0	EA	GASKET, PORT BLOCK	

52204815 BLOCK-PORT

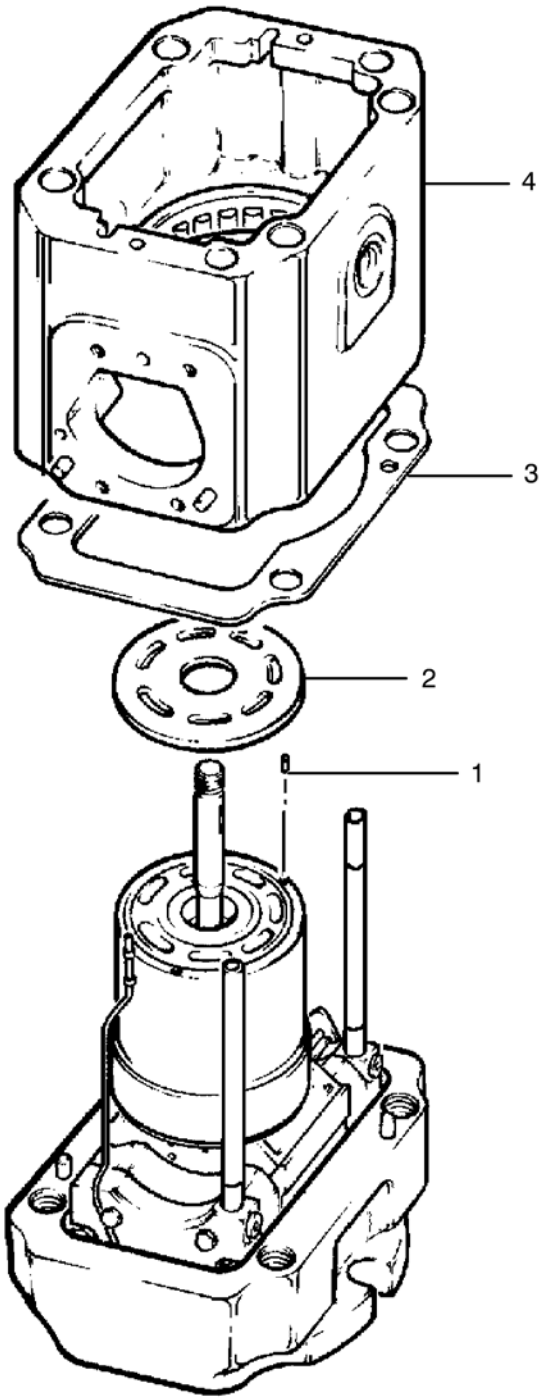


BOM 52204815

52204815 BLOCK-PORT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52201852	1.0	EA	BLOCK	
002.0	52154739	1.0	EA	BEARING	
003.0	54407960	2.0	EA	RING	
004.0	52154887	2.0	EA	CLAMP	
005.0	52154895	2.0	EA	SCREW	
006.0	52154903	2.0	EA	LOCKWASHER	
007.0	52154911	2.0	EA	VALVE ASSY	
008.0	54407994	2.0	EA	PLUG	
009.0	52154929	1.0	EA	PLUG	
010.0	52154937	1.0	EA	O-RING	

54408638 HOUSING,END CAP

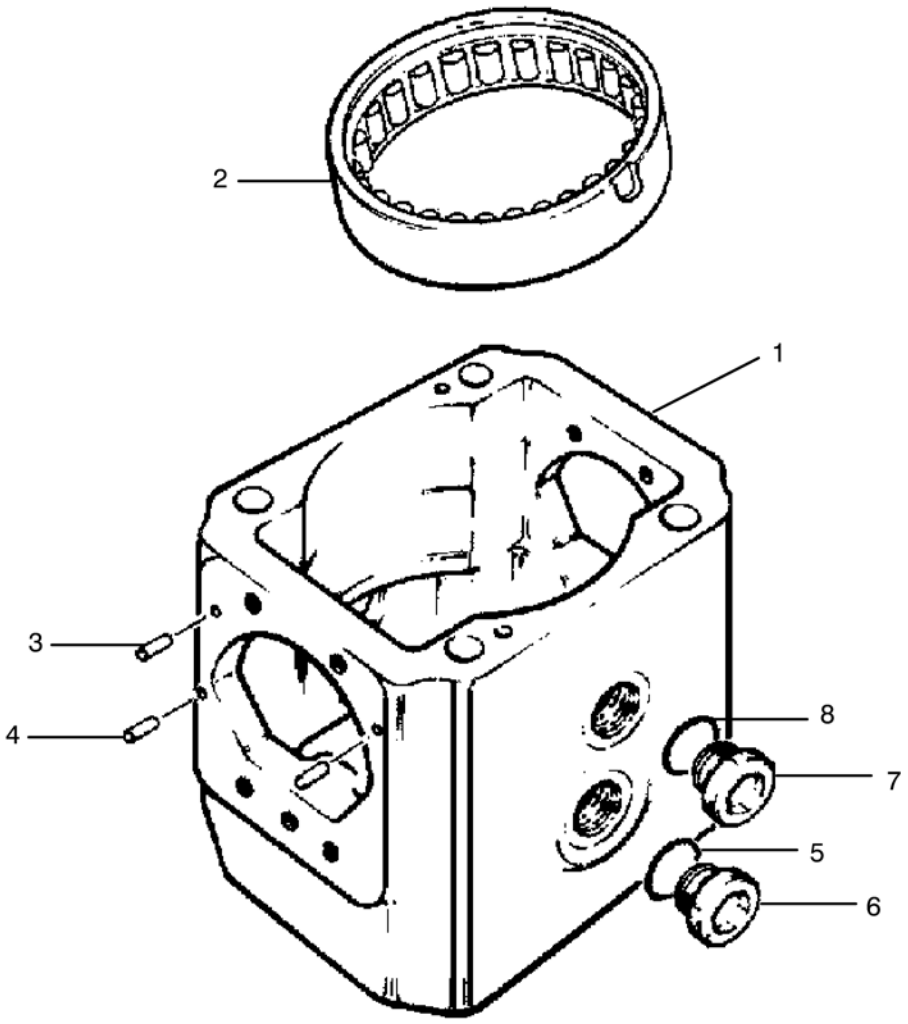


BOM 54408638

54408638 HOUSING,END CAP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50817089	5.0	EA	PINS	
002.0	57027377	1.0	EA	FACEPLATE, BARREL-15/32	
003.0	52155033	1.0	EA	GASKET,HOUSING	
004.0	52204765	1.0	EA	HOUSE,ASM	**See Page 374**

52204765 HOUSE,ASM

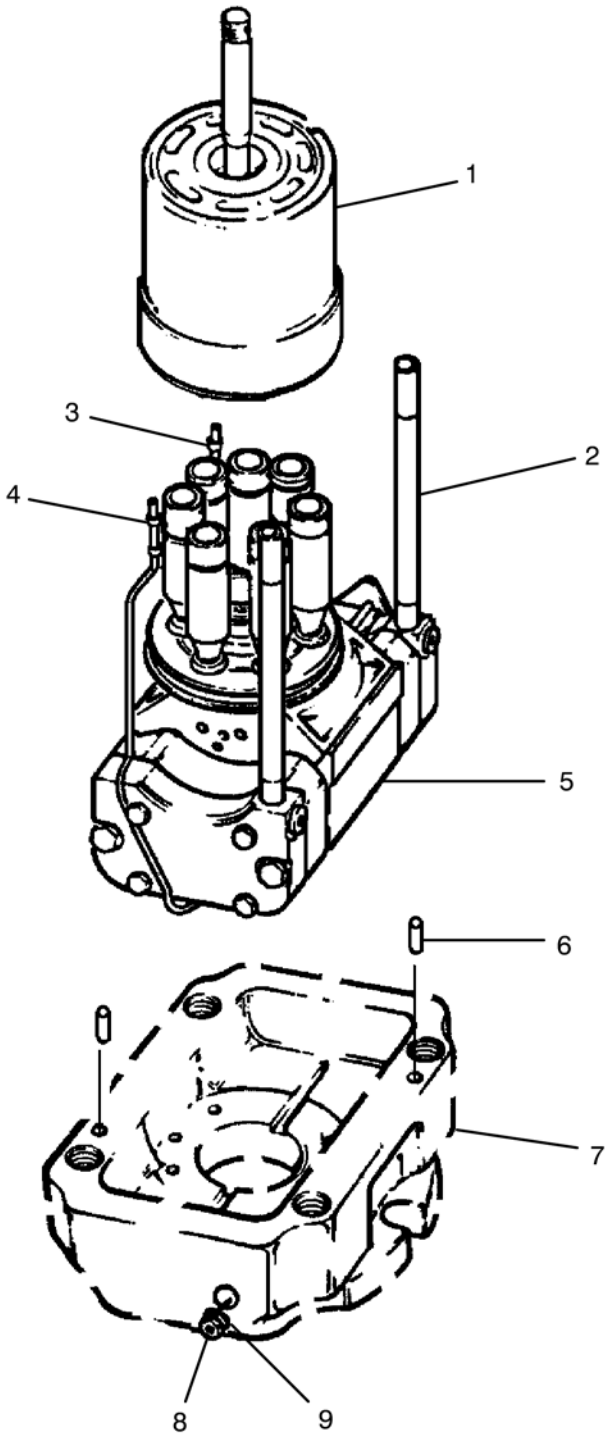


BOM 52204765

52204765 HOUSE,ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57416935	1.0	EA	HOUSING ASSY	
002.0	52155041	1.0	EA	BEARING	
003.0	52155017	2.0	EA	PIN,ROLL	
004.0	52155025	4.0	EA	PIN	
005.0	52154994	1.0	EA	O-RING	
006.0	54408059	1.0	EA	PLUG	
007.0	54408133	1.0	EA	RETAINER,BEARING	
008.0	57416950	1.0	EA	O RING	

54408646 BARREL/SHAFT/CRADLE ASM

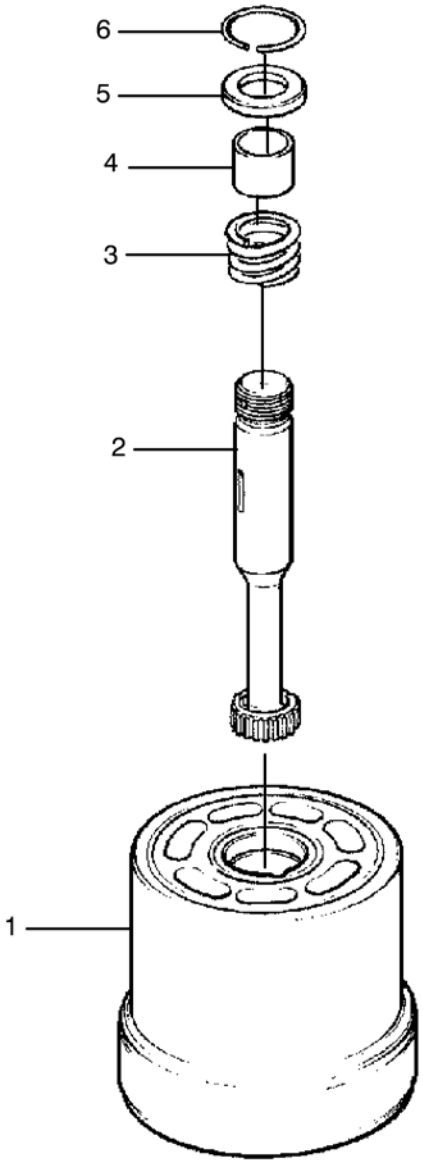


BOM 54408646

54408646 BARREL/SHAFT/CRADLE ASM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54408190	1.0	EA	BARREL/AUX SHAFT ASSY	**See Page 378**
002.0	52248119	2.0	EA	TUBE,PRESS	
003.0	52201670	1.0	EA	TUBE	
004.0	52155066	1.0	EA	TUBE ASM	
005.0	54410741	1.0	EA	RETAINER PALTE	**See Page 380**

54408190 BARREL/AUX SHAFT ASSY

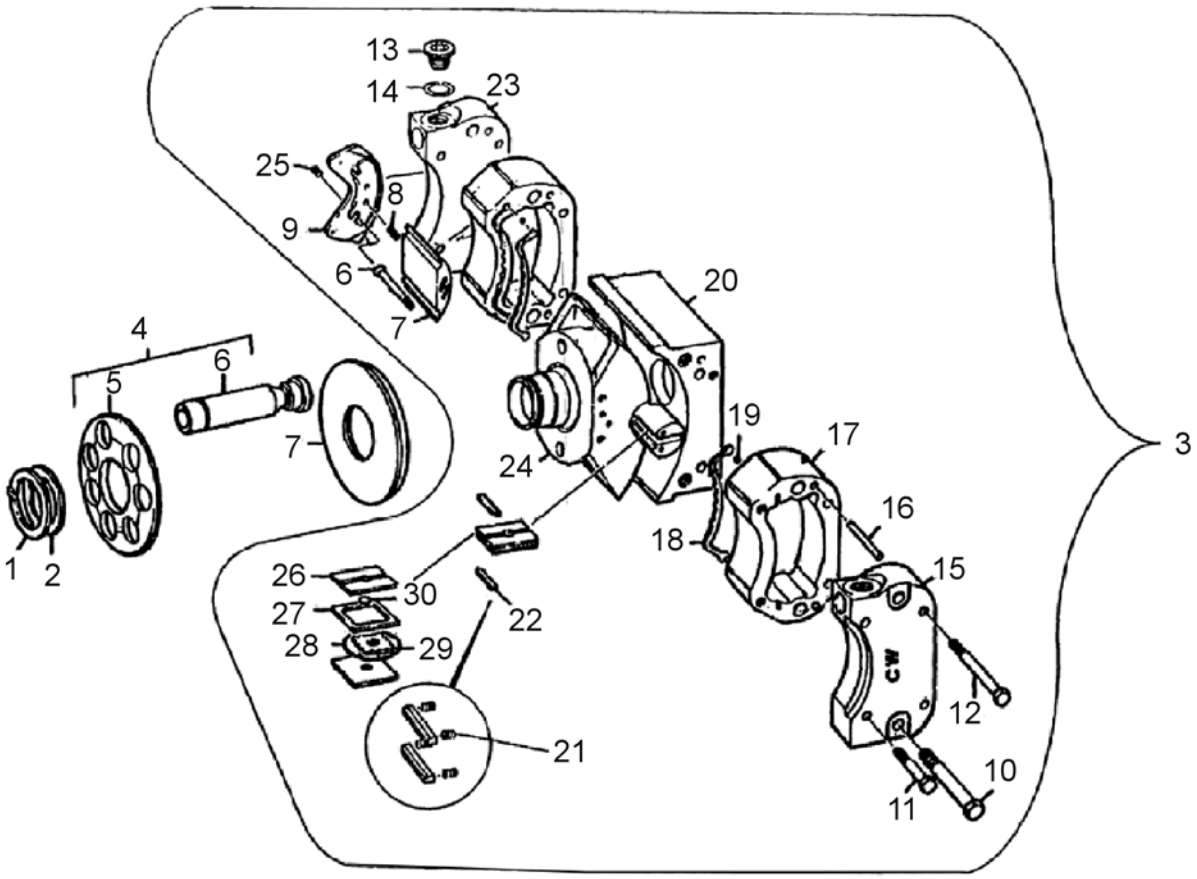


BOM 54408190

54408190 BARREL/AUX SHAFT ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54408232	1.0	EA	BARREL & SLEEVES	
002.0	57045882	1.0	EA	SHAFT,DRIVE	
003.0	57514895	1.0	EA	STOP	
004.0	54408273	1.0	EA	SPRING	
005.0	57514903	1.0	EA	SPRING, RETAINER	
006.0	52155843	1.0	EA	RING,RETAINING	
006.0	54408414	2.0	EA	PIN,DOWEL	
007.0	52155116	1.0	EA	MTG FLG	
008.0	54409776	2.0	EA	PLUG	
009.0	52155314	2.0	EA	O-RING	

54410741 RETAINER PALTE

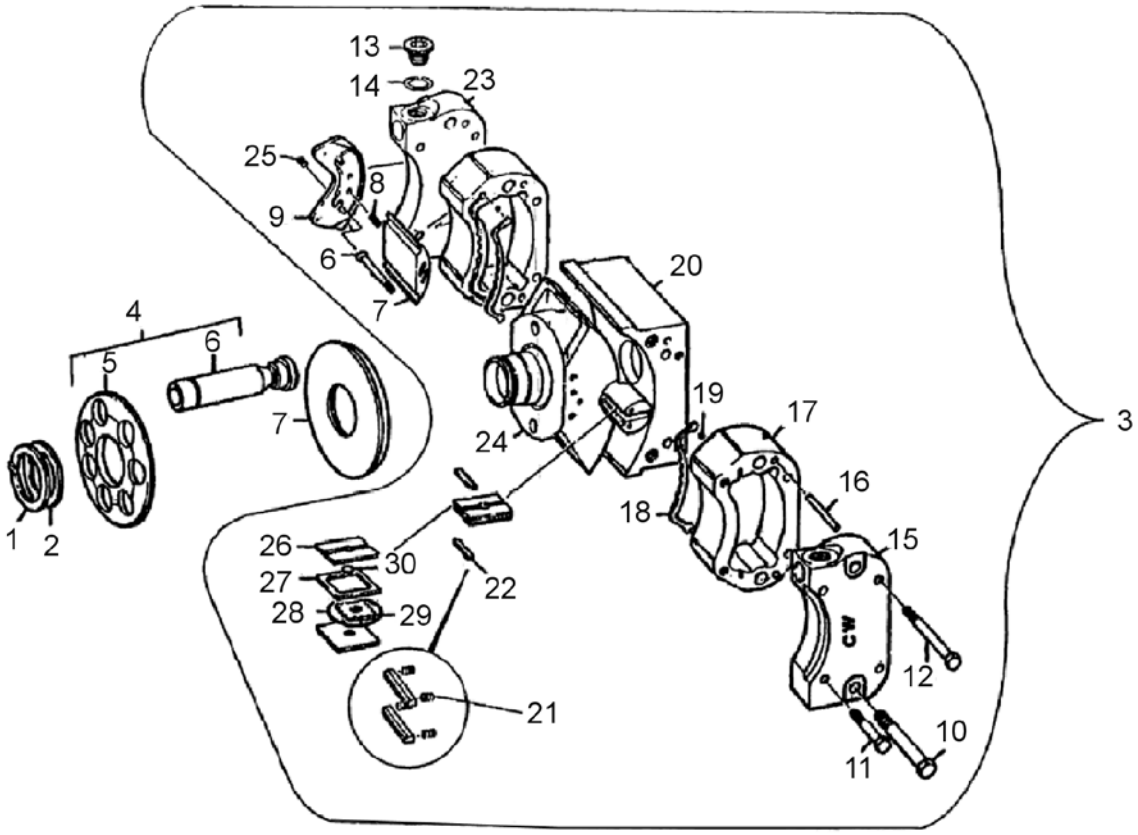


BOM 54410741

54410741 RETAINER PALTE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54414743	1.0	EA	RETAINING RING GROUP	**See Page 382**
002.0	52204856	1.0	EA	WASHER,THRUST	
003.0	57123283	1.0	EA	CAM STROKER ASSY	**See Page 384**
004.0	52204880	1.0	EA	KIT,RETAINER PISTON/SHOE	
005.0	52204880	1.0	EA	KIT,RETAINER PISTON/SHOE	
006.0	52204880	7.0	EA	KIT,RETAINER PISTON/SHOE	
007.0	52203668	1.0	EA	PLATE,CREEP	

54414743 RETAINING RING GROUP



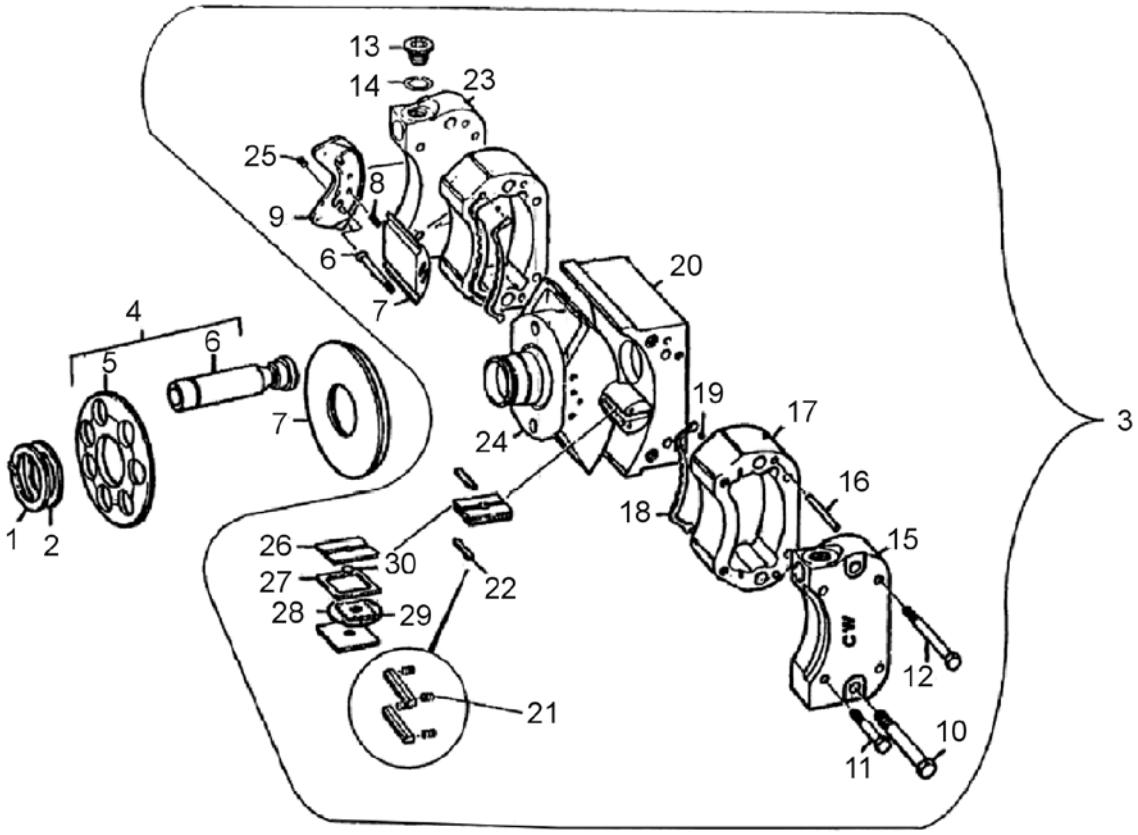
C54410741 REV 000

BOM 54414743

54414743 RETAINING RING GROUP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	54408299	1.0	EA	RING,RETAINING	
003.0	52155165	1.0	EA	RING,RETAINING	
004.0	52155157	1.0	EA	RING,RETAINING	
005.0	52155140	1.0	EA	RING,RETAINING	
006.0	52204864	1.0	EA	RING,RETAINING	
007.0	52204872	1.0	EA	RING,RETAINING	

57123283 CAM STROKER ASSY



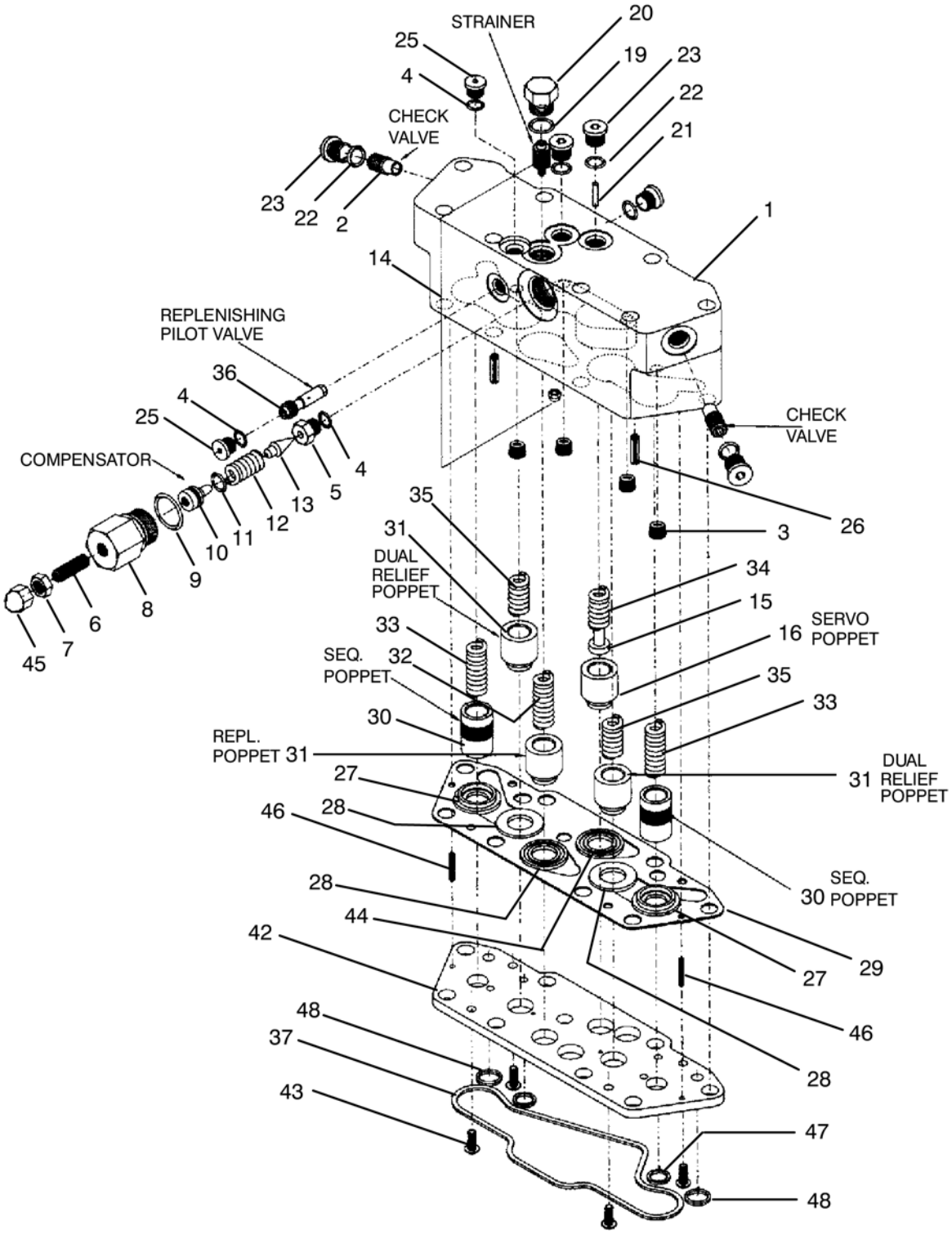
C54410741 REV 000

BOM 57123283

57123283 CAM STROKER ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
006.0	57240749	2.0	EA	SCREW, MOTOR	
007.0	52201738	1.0	EA	SERVO PLATE	
008.0	52155256	2.0	EA	SCREW	
009.0	57240764	1.0	EA	PLATE, MOTOR	
010.0	54408331	4.0	EA	SCREW	
011.0	54408349	4.0	EA	SCREW	
012.0	54408356	4.0	EA	SCREW	
013.0	52155306	5.0	EA	PLUG	
014.0	52155314	5.0	EA	O-RING	
015.0	52155330	1.0	EA	COVER,CONTROL	
016.0	52155348	4.0	EA	PIN	
017.0	54408364	2.0	EA	CONTROL CHAMBER	
018.0	52155363	2.0	EA	SEAL	
019.0	52155371	4.0	EA	BALL	
020.0	52203718	1.0	EA	CRADLE	
021.0	57064065	8.0	EA	VANE HOLD DOWN SPRING	
022.0	57181307	4.0	EA	HOLD DOWN-VANE	
023.0	52155322	1.0	EA	COVER	
024.0	54408406	1.0	EA	ROCKER AND PLUG	
025.0	57240756	2.0	EA	SCREW, SET	
026.0	54408372	4.0	EA	PLATE,SEAL VANE	
027.0	54408380	2.0	EA	SEAL VANE	
028.0	52203767	2.0	EA	O-RING	
029.0	54408398	2.0	EA	SPACER,VANE	
030.0	57150617	2.0	EA	CHECK VALVE	

57306268 VALVE BLOCK ASSY



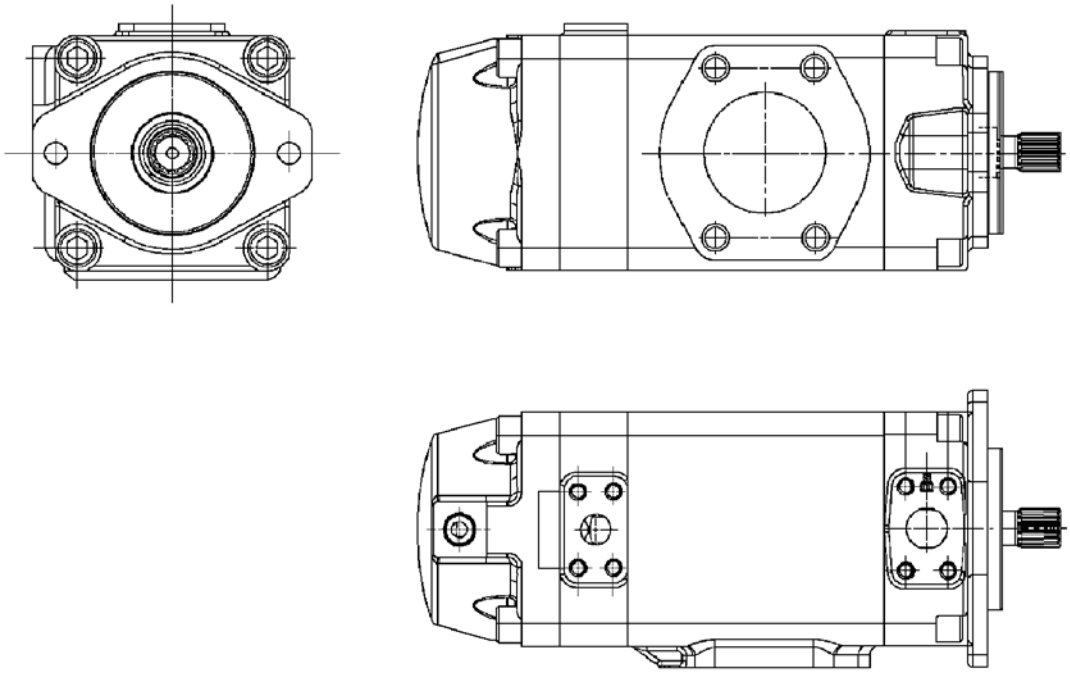
C2657306268 REV 001

BOM 57306268

57306268 VALVE BLOCK ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54408422	1.0	EA	VALVE BLOCK	
002.0	52154911	2.0	EA	VALVE ASSY	
003.0	54408430	4.0	EA	PLUG	
004.0	54408448	3.0	EA	O-RING	
005.0	52155603	1.0	EA	SEAT	
006.0	52248093	1.0	EA	SET SCREW	
007.0	54408455	1.0	EA	NUT,HEX JAM	
008.0	52155637	1.0	EA	HOUSING	
009.0	52155645	1.0	EA	O RING	
010.0	52155660	1.0	EA	SPRING GUIDE,PISTON SEAL	
011.0	95017984	1.0	EA	O-RING	
012.0	54408463	1.0	EA	SPRING	
013.0	52155686	1.0	EA	CONE	
014.0	52203627	1.0	EA	STRAINER ASY	
015.0	52155546	3.0	EA	SPRING	
016.0	54408471	4.0	EA	POPPET,DUAL & REPL	
019.0	52154937	1.0	EA	O-RING	
020.0	54408489	1.0	EA	PLUG	
021.0	54408497	1.0	EA	PIN,MODULATING	
022.0	52155314	5.0	EA	O-RING	
023.0	52155306	2.0	EA	PLUG	
025.0	57302143	2.0	EA	PLUG-HEX	
026.0	52155454	2.0	EA	PIN	
027.0	52155439	2.0	EA	SEQUENCE SEAT	
028.0	52155447	4.0	EA	VALVE SEAT	
029.0	54408505	1.0	EA	GASKET,VLV BLK	
030.0	54408513	2.0	EA	POPPET,SEQ	
031.0	54408471	4.0	EA	POPPET,DUAL & REPL	
032.0	57063737	1.0	EA	SPRING	
033.0	52155520	2.0	EA	SPRING	
034.0	52155512	1.0	EA	RETAINER	
035.0	52155546	3.0	EA	SPRING	
036.0	54408547	1.0	EA	VALVE,PILOT (400 PSI)	
037.0	52155488	1.0	EA	O-RING DEN-671-000	
042.0	54408570	1.0	EA	PLATE,RETAINER	
043.0	54408588	4.0	EA	SCREW	
044.0	52155447	4.0	EA	VALVE SEAT	
045.0	57269698	1.0	EA	NUT	
046.0	50830199	2.0	EA	PIN-ROLL	
047.0	54407416	2.0	EA	O-RING	
048.0	54408596	2.0	EA	O-RING	

57740730 PUMP,TRIPLE

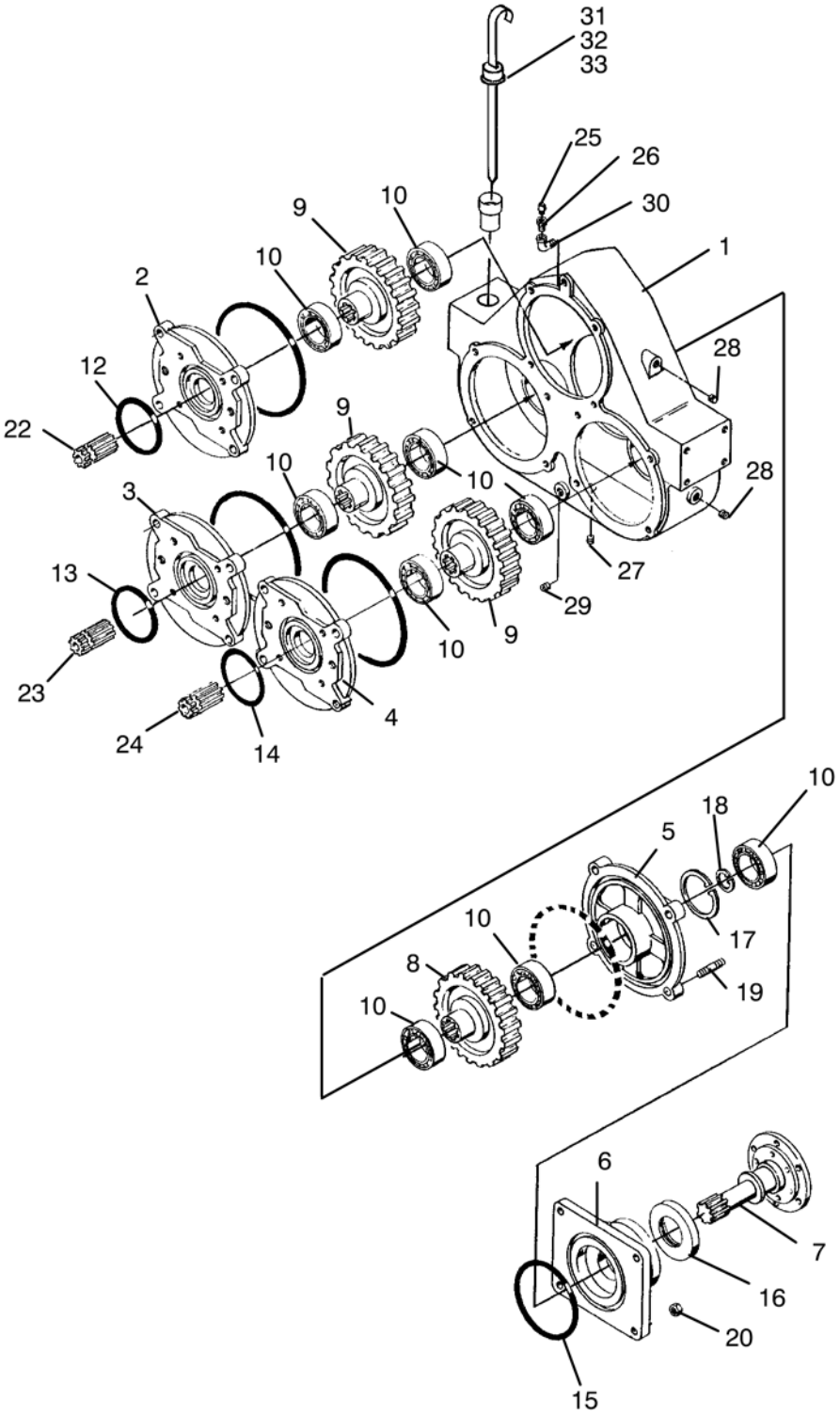


BOM 57740730

57740730 PUMP,TRIPLE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57799637	1.0	EA	CARTRIDGE,PLATE ASSY-P1	
002.0	57799645	1.0	EA	CARTRIDGE,PLATE ASSY-P2	
003.0	57799652	1.0	EA	CARTRIDGE,PLATE ASSY-P3	
004.0	57799660	1.0	EA	SEAL KIT,TRIPLE PUMP	
005.0	57799678	1.0	EA	SHAFT/BEARING ASM,TRIPLE	

57651234 DRIVE,PUMP-3 HOLE



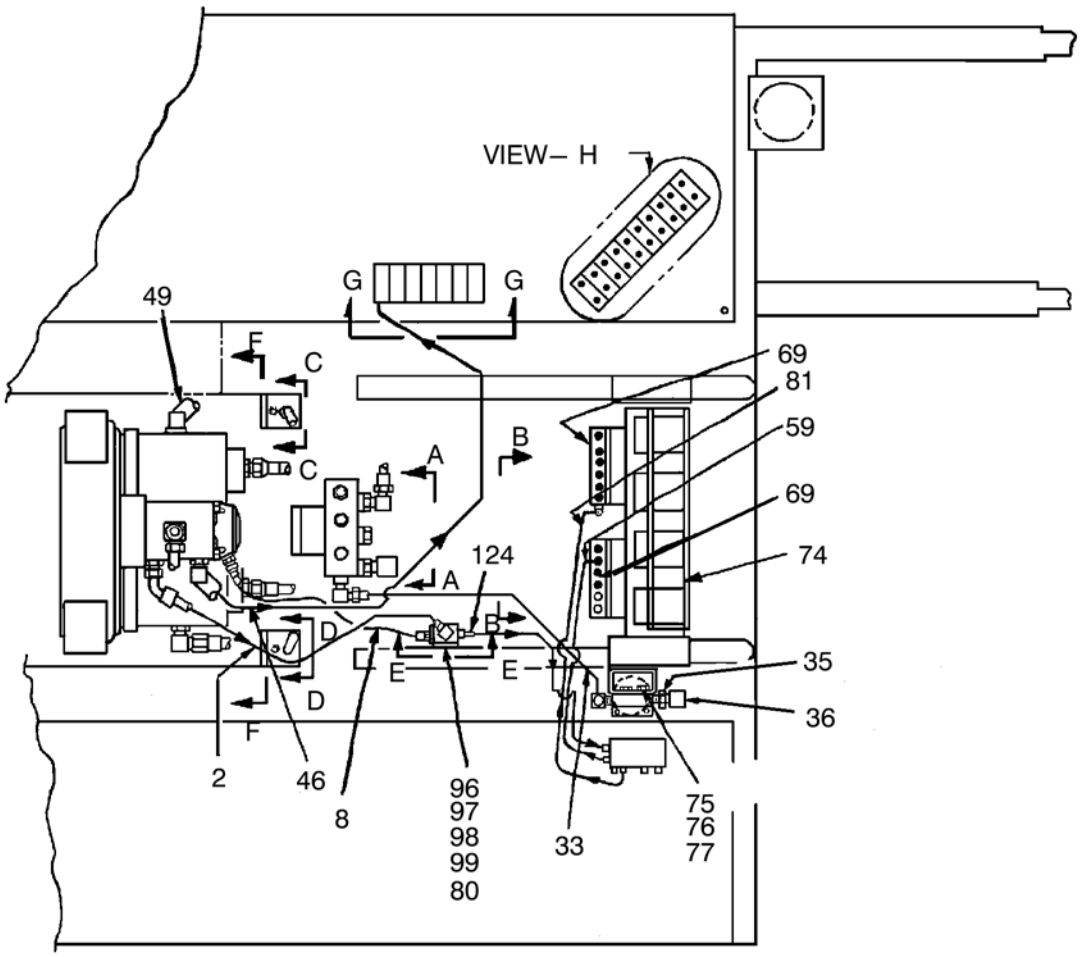
TB2657352528 REV 006

BOM 57651234

57651234 DRIVE,PUMP-3 HOLE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	59551127	1.0	EA	HOUSING, GEARBOX	
002.0	59572917	1.0	EA	ADAPTER,SAE B	
003.0	50597624	1.0	EA	ADAPTER, SAE C	
004.0	50597624	1.0	EA	ADAPTER, SAE C	
005.0	50597632	1.0	EA	ADAPTER,PUMP D	
006.0	50597640	1.0	EA	ADAPTER, INPUT	
007.0	50595115	1.0	EA	SHAFT,INPUT	
008.0	57572406	1.0	EA	GEAR	
009.0	57572398	3.0	EA	GEAR	
010.0	95200663	9.0	EA	BEARING	
012.0	50597434	1.0	EA	O'RING	
013.0	59595629	1.0	EA	O-RING	
014.0	59595629	1.0	EA	O-RING	
015.0	50717743	1.0	EA	O'RING	
016.0	50717750	1.0	EA	SEAL, OIL	
017.0	50597442	1.0	EA	RING,SNAP	
018.0	95223475	1.0	EA	RING,RETAINING	
019.0	59383463	4.0	EA	STUD, ADAPTER	
020.0	50943240	16.0	EA	NUT	
022.0	52143195	1.0	EA	SLEEVE, ADAPTER	
023.0	59516096	1.0	EA	SLEEVE,SPLINE	
024.0	59516096	1.0	EA	SLEEVE,SPLINE	
025.0	59677831	1.0	EA	BREATHER	
026.0	59551242	1.0	EA	BUSHING, REDUCER	
027.0	59514976	1.0	EA	PLUG, MAGNETIC	
028.0	59551259	4.0	EA	PLUG, OIL LEVEL	
029.0	59551267	1.0	EA	PLUG	
030.0	59551275	1.0	EA	ELBOW	
031.0	57367310	12.0	EA	BOLT, ADAPTER	
032.0	50906379	1.0	EA	TUBE	
033.0	59515007	1.0	EA	DIPSTICK	

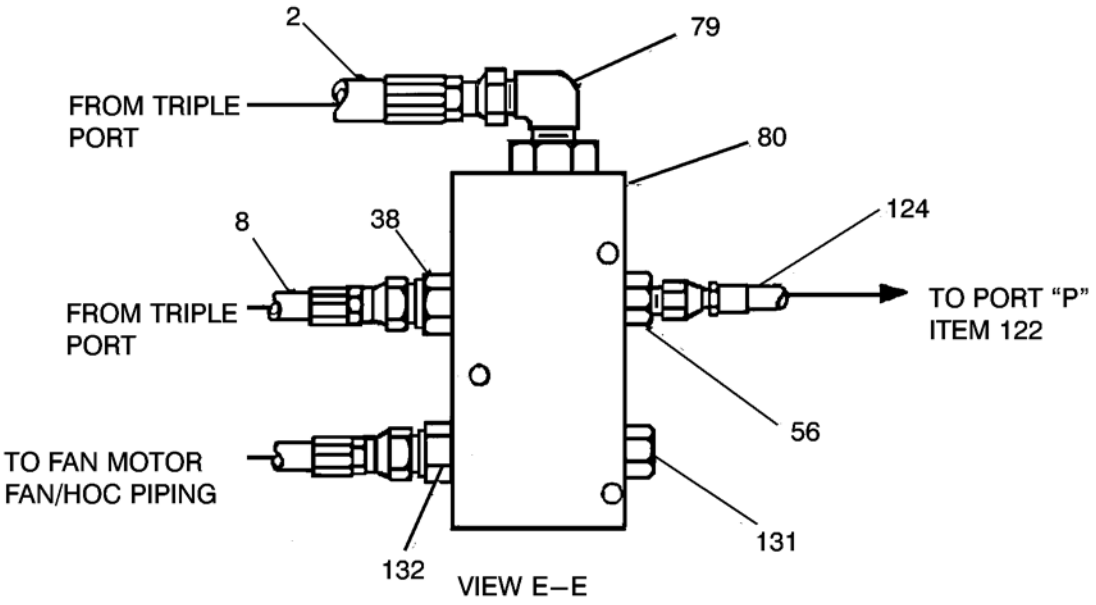
57744187 PIPING,MAIN HYD TRIPUMP

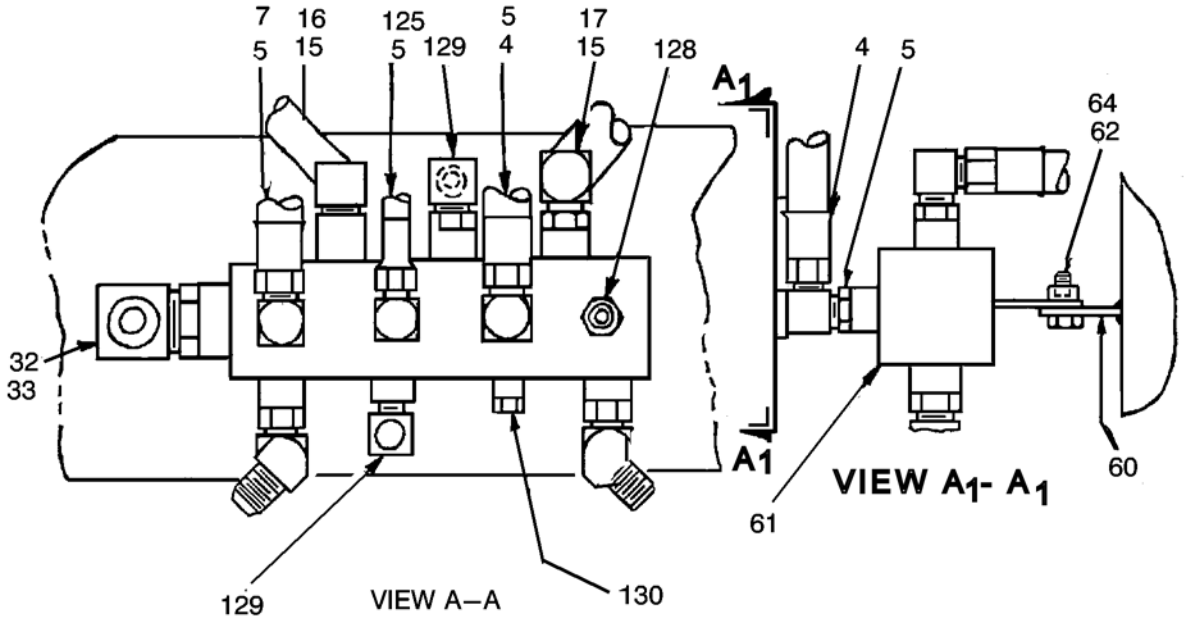


TB2657744187 REV 003

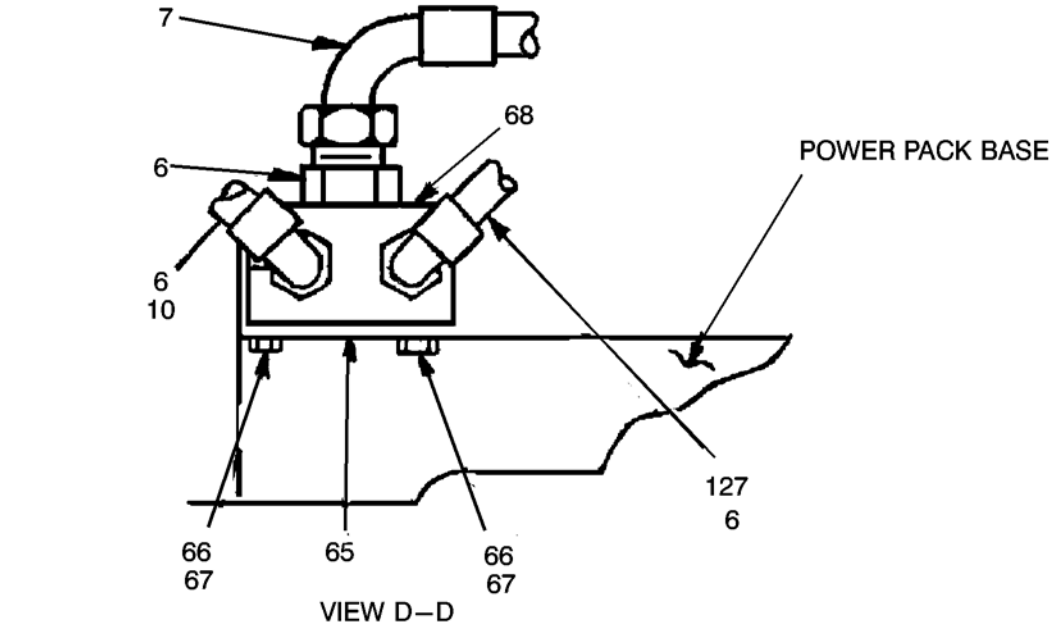
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57744187 PIPING,MAIN HYD TRIPUMP

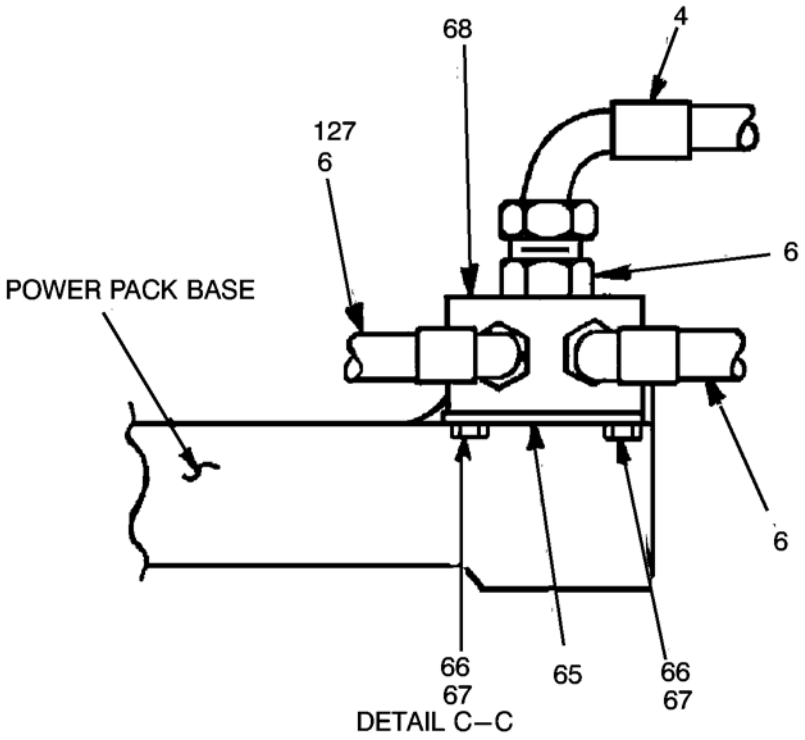




57744187 PIPING,MAIN HYD TRIPUMP



VIEW D–D

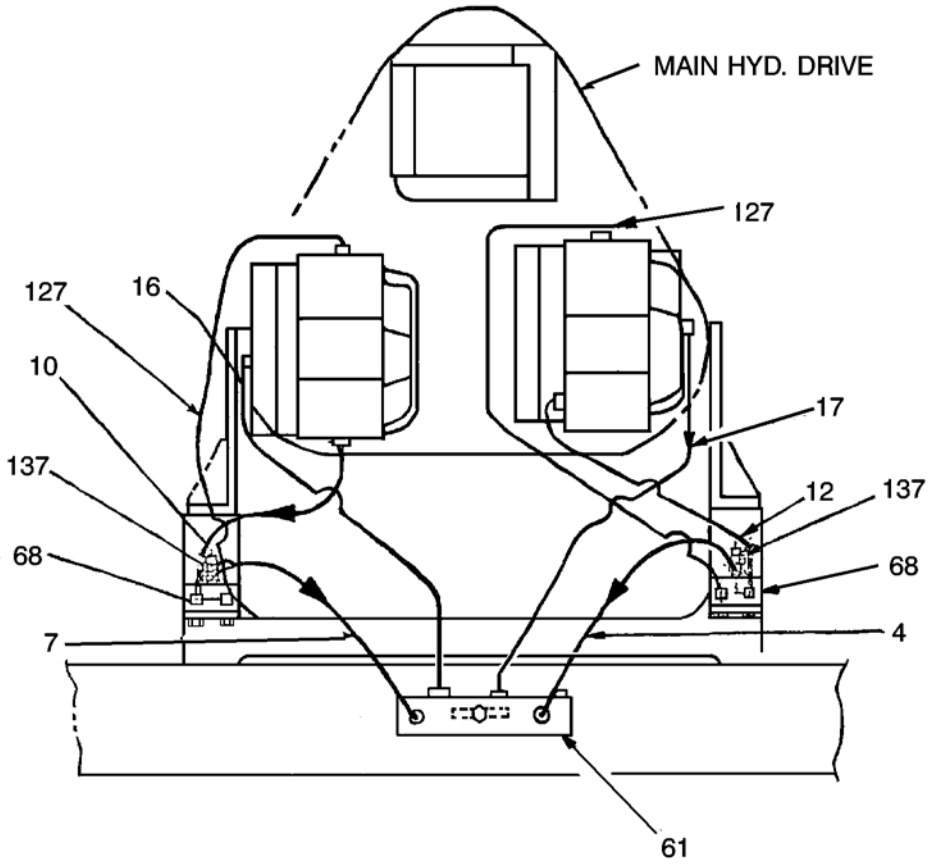


DETAIL C–C

TB2657744187 REV 003

BOM 57744187

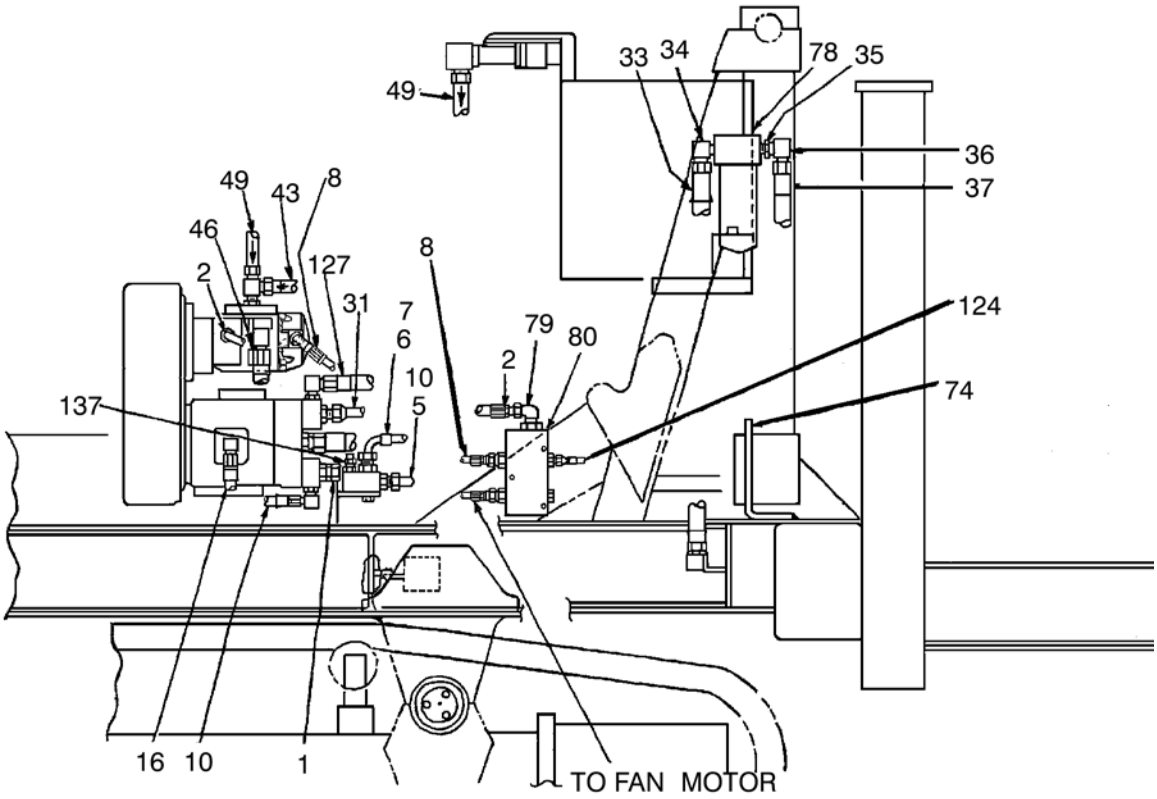
57744187 PIPING,MAIN HYD TRIPUMP



TB2657744187 REV 003

BOM 57744187

57744187 PIPING,MAIN HYD TRIPUMP

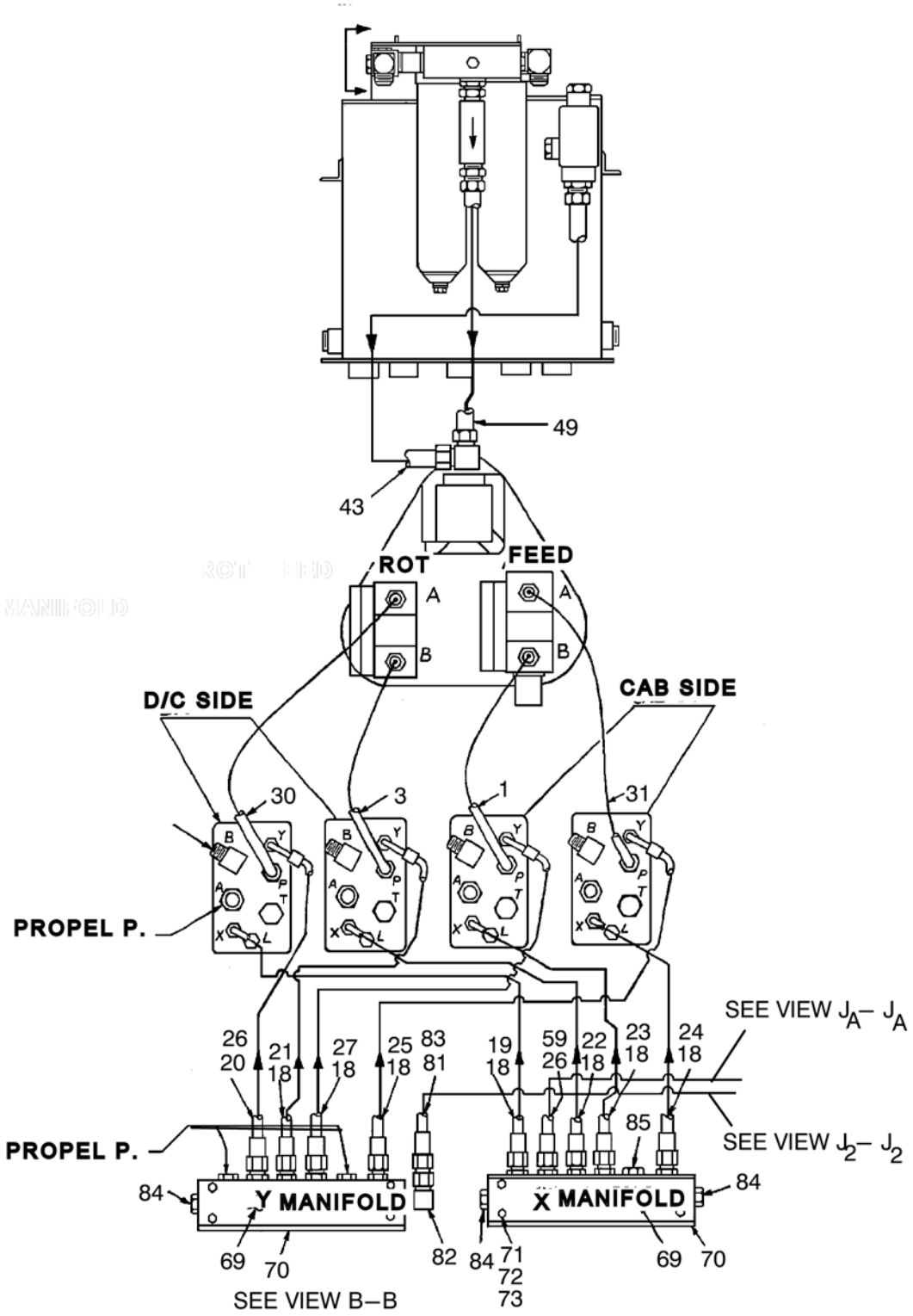


TB2657744187 REV 003

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

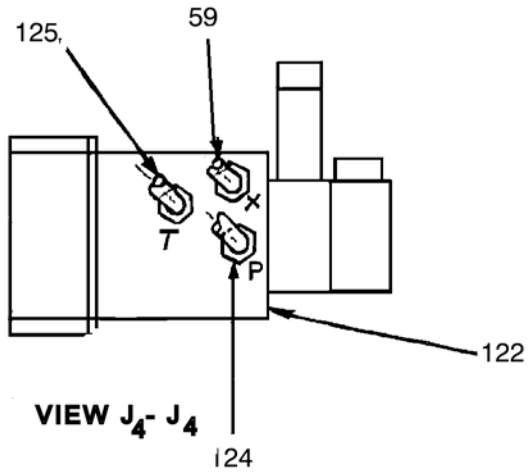
BOM 57744187

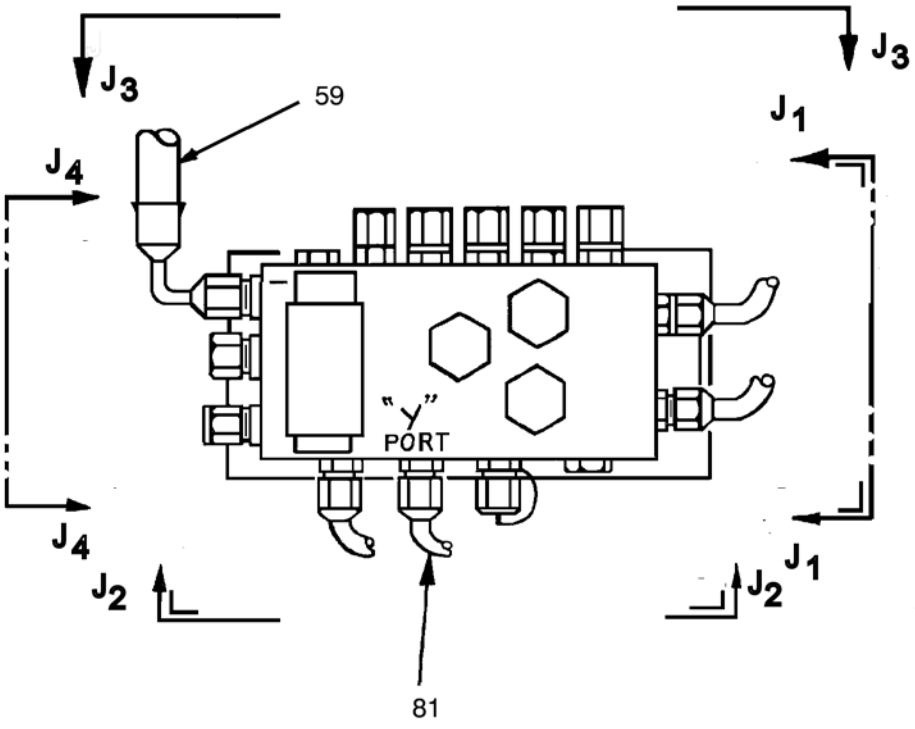
57744187 PIPING,MAIN HYD TRIPUMP



TB2657744187 REV 003

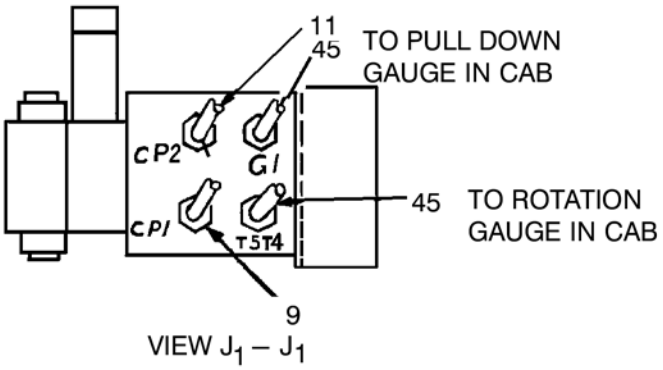
57744187 PIPING,MAIN HYD TRIPUMP

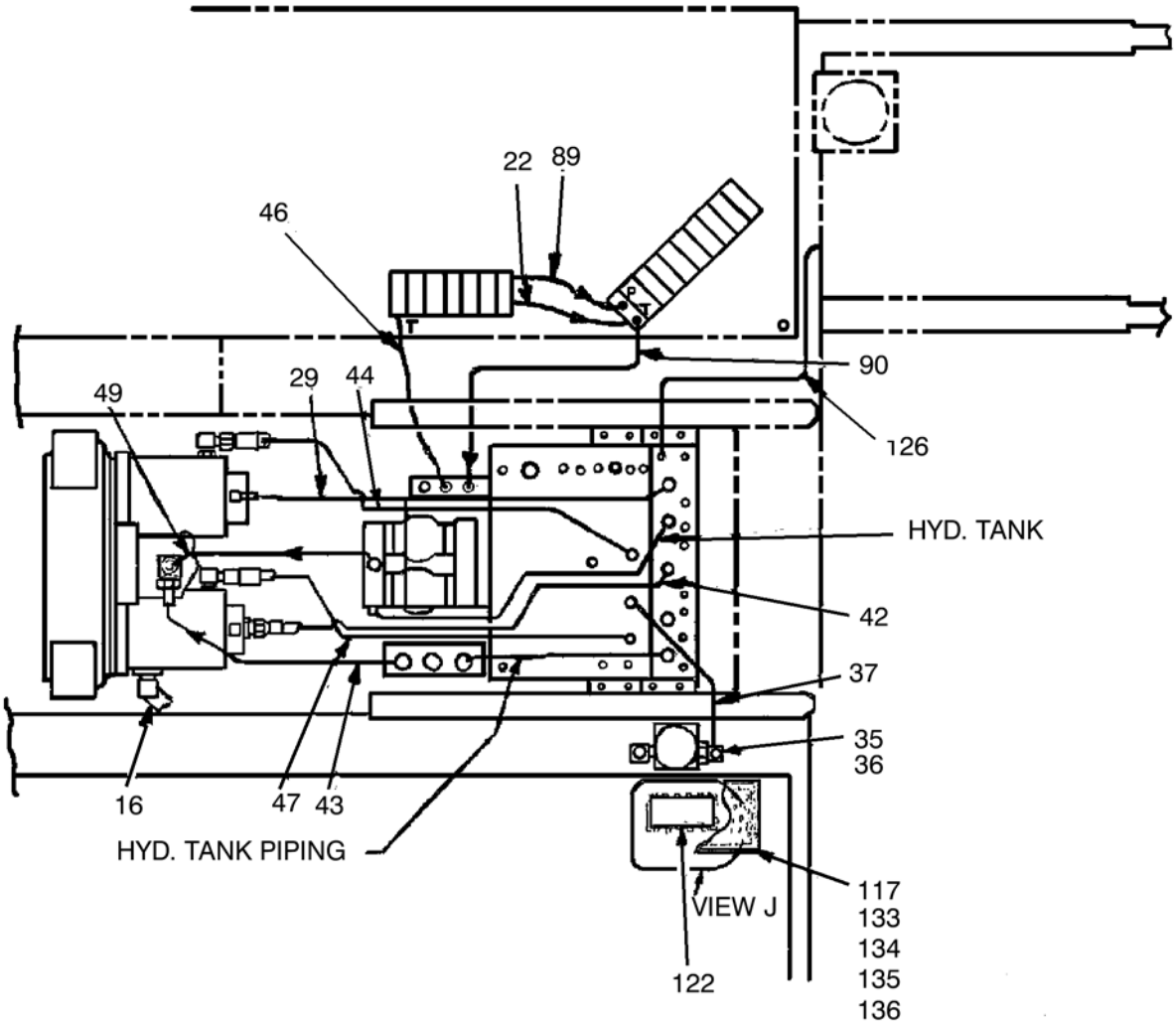




TB2657744187 REV 003

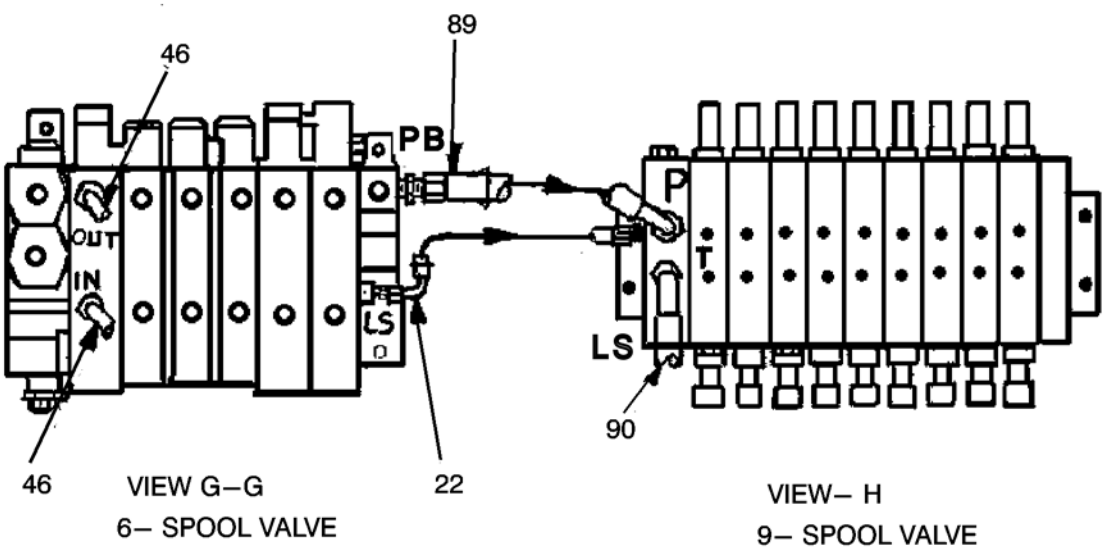
57744187 PIPING,MAIN HYD TRIPUMP





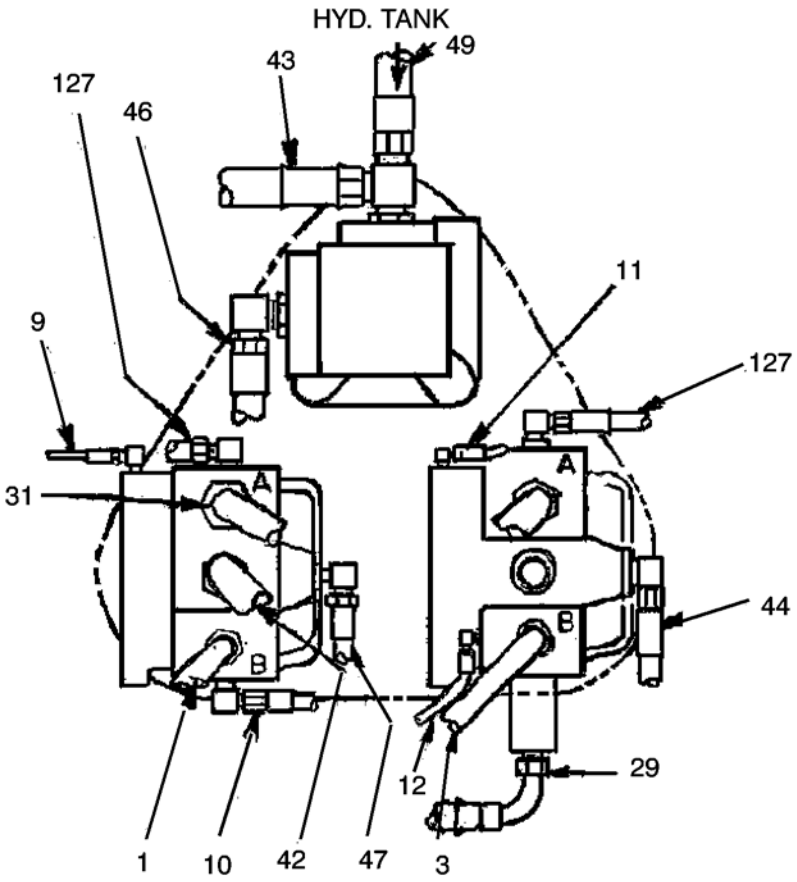
TB2657744187 REV 003

57744187 PIPING,MAIN HYD TRIPUMP



BOM 57744187

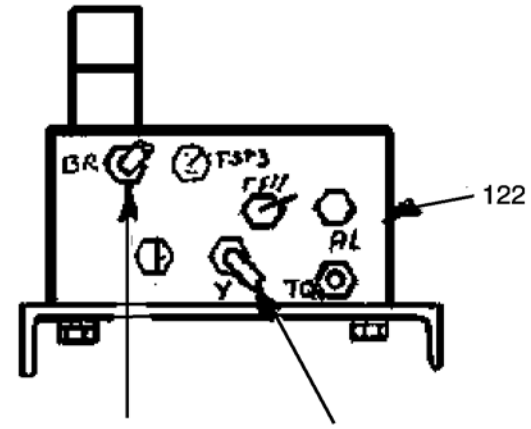
57744187 PIPING,MAIN HYD TRIPUMP



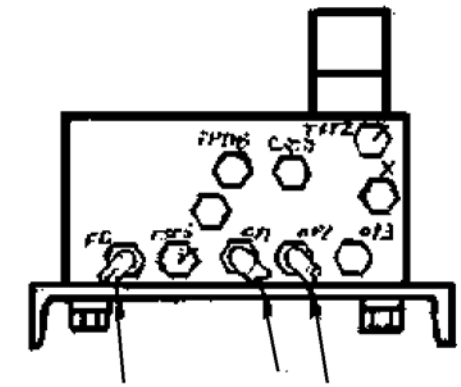
VIEW F–F

TB2657744187 REV 003

57744187 PIPING,MAIN HYD TRIPUMP



VIEW $J_2 - J_2$



VIEW $J_3 - J_3$
ROTATED 180 DEG.

TB2657744187 REV 003

BOM 57744187

57744187 PIPING,MAIN HYD TRIPUMP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	56275365	1.0	EA	HOSE ASSY	
002.0	57818163	1.0	EA	HOSE ASSY	
003.0	56275365	1.0	EA	HOSE ASSY	
004.0	56955644	1.0	EA	HOSE ASSY	
005.0	95330692	3.0	EA	ELBOW,90 DEG STRT THRD	
006.0	95303368	6.0	EA	CONNECTOR,STRT THRD	
007.0	56955644	1.0	EA	HOSE ASSY	
008.0	57818114	1.0	EA	HOSE ASSY	
009.0	57020778	1.0	EA	HOSE ASSY	
010.0	57480774	1.0	EA	HOSE ASSY	
011.0	57020760	1.0	EA	HOSE ASSY	
012.0	57480774	1.0	EA	HOSE ASSY	
015.0	57167934	2.0	EA	FITTING,L90-120FSX12SAE	
016.0	57229676	1.0	EA	HOSE ASSY	
017.0	57229676	1.0	EA	HOSE ASSY	
018.0	95371258	7.0	EA	FITTING,HYD	
019.0	52226420	1.0	EA	HOSE ASSY	
020.0	57101438	1.0	EA	HOSE ASSY	
021.0	57101438	1.0	EA	HOSE ASSY	
022.0	57101263	2.0	EA	HOSE ASSY	
023.0	57015505	1.0	EA	HOSE ASSY	
024.0	57015505	1.0	EA	HOSE ASSY	
025.0	57101164	1.0	EA	HOSE ASSY	
026.0	95419594	2.0	EA	CONNECTOR,STRT THRD	
027.0	57020703	1.0	EA	HOSE ASSY	
029.0	57661761	1.0	EA	HOSE ASSEMBLY	
030.0	57661753	1.0	EA	HOSE ASSEMBLY	
031.0	57661753	1.0	EA	HOSE ASSEMBLY	
032.0	95829362	4.0	EA	FITTING,HYD	
033.0	56954126	1.0	EA	HOSE ASSY	
037.0	57524092	1.0	EA	HOSE ASSY	
038.0	51792224	1.0	EA	ADAPTER	
042.0	57464810	1.0	EA	HOSE ASSY	
043.0	57060071	1.0	EA	HOSE ASSY	
044.0	56950546	1.0	EA	HOSE ASSY	
045.0	57443871	2.0	EA	HOSE ASSY	
046.0	56954019	2.0	EA	HOSE ASSY	
047.0	56971534	1.0	EA	HOSE ASSY	
049.0	57661787	1.0	EA	HOSE ASSEMBLY	
056.0	95356903	1.0	EA	CONNECTOR,STRT THRD	
059.0	57101420	1.0	EA	HOSE ASSY	
061.0	57759193	1.0	EA	MANIFOLD,SAE PORTS	

BOM 57744187

57744187 PIPING,MAIN HYD TRIPUMP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
062.0	95934451	2.0	EA	CAPSCREW,HEXHEAD,PLATED	
063.0	95922902	4.0	EA	NUT,HEX,FINISHED,PLATED	
064.0	95934733	4.0	EA	WASHER,LOCK	
065.0	57244980	2.0	EA	PLATE,MTG	
066.0	95934576	4.0	EA	CAPSCREW	
067.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
068.0	57244352	2.0	EA	VALVE,PUMP RELIEF	
-	57325599	1.0	EA	- VALVE,SHUTTLE CART	
-	57303794	1.0	EA	- SEAL KIT	
-	57325607	1.0	EA	- VALVE,RELIEF CART.	
-	57301012	1.0	EA	- SEAL KIT-VALVE CART.	
069.0	57350076	2.0	EA	MANIFOLD,HYD. ORING THDS	
071.0	95958369	8.0	EA	SCREW, CAP-1/4-20 X2-3/4	
072.0	95931564	8.0	EA	NUT,HEX,FINISHED	
073.0	95934766	8.0	EA	WASHER,LOCK,HELICAL	
074.0	57450751	1.0	EA	VALVE,DIVERTER,ASSM	**See Page 406**
075.0	95938544	2.0	EA	CAPSCREW	
077.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
078.0	57336422	1.0	EA	FILTER, SAE	**See Page 410**
080.0	57024044	1.0	EA	BLOCK, MANIFOLD	
081.0	52226768	1.0	EA	HOSE ASSY	
082.0	95330692	1.0	EA	ELBOW,90 DEG STRT THRD	
083.0	56999246	1.0	EA	FITTING, HYD	
084.0	95280541	3.0	EA	FITTING,HYD	
085.0	95323465	1.0	EA	PLUG,HEX HEAD,STRT THRD	
087.0	95494373	1.0	EA	U-BOLT	
088.0	95064697	2.0	EA	WASHER,FLAT 1/2	
089.0	57277444	1.0	EA	HOSE ASSY	
090.0	57496283	1.0	EA	HOSE ASSY	
091.0	95303368	1.0	EA	CONNECTOR,STRT THRD	
092.0	57348997	1.0	EA	COUPLING,QUICKDISCONNCT	
-	57357907	1.0	EA	- COUPLING, QD HALF, M	
-	57357915	1.0	EA	- COUPLING, Q.D. HALF, F	
092.1	95735346	1.0	EA	FITTING,HYD	
093.0	57757361	1.0	EA	HOSE,ASSEMBLY	
094.0	57125882	1.0	EA	TEE,JIC RUN/0-RING16-16S	
095.0	95387924	1.0	EA	CAP,JIC-16	
097.0	95934600	3.0	EA	CAPSCREW	
098.0	95937413	3.0	EA	WASHER,LOCK,HELICAL	
099.0	95922233	3.0	EA	WASHER,FLAT,WIDE	
100.0	52238466	1.0	EA	HOSE,ASSM	

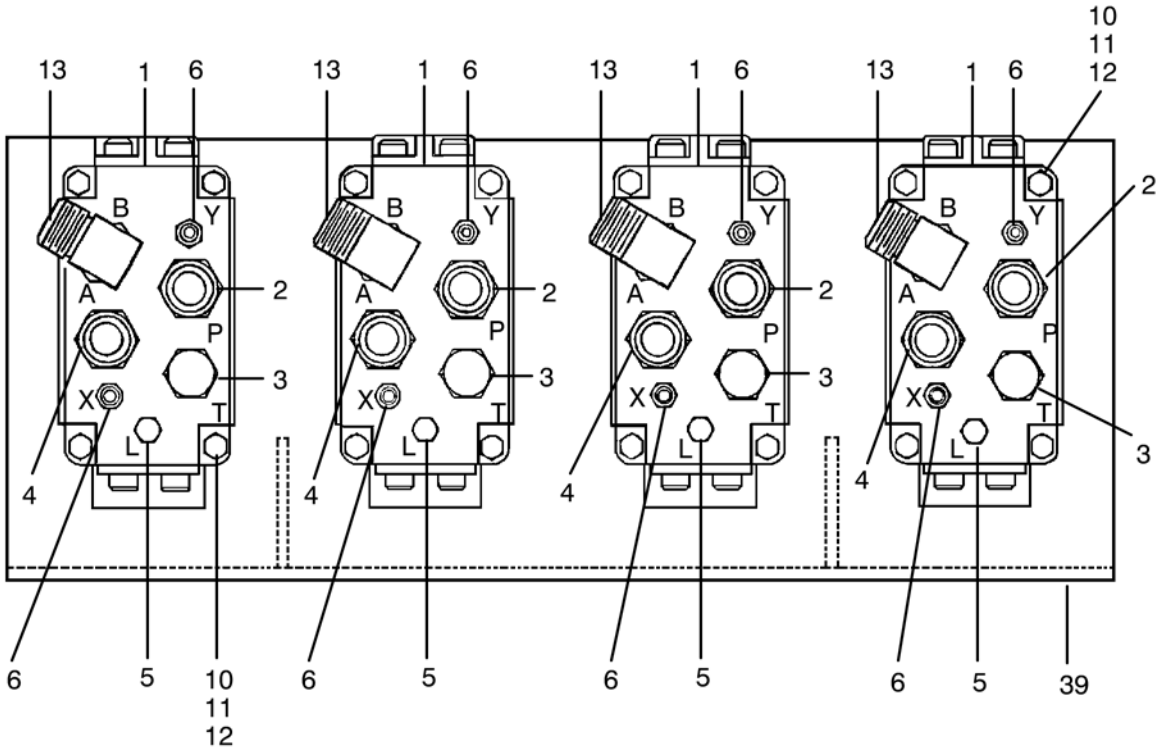
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57744187

57744187 PIPING,MAIN HYD TRIPUMP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
117.0	57746240	1.0	EA	COVER,STEP-DM45/L	
122.0	57576969	1.0	EA	VALVE,ASSM,DR/PR CONTROL	**See Page 412**
124.0	57498230	1.0	EA	HOSE ASSY	
125.0	57014375	1.0	EA	HOSE ASSY	
126.0	56972680	1.0	EA	HOSE ASSY	
127.0	57337123	2.0	EA	HOSE ASSY	
128.0	95356903	1.0	EA	CONNECTOR,STRT THRD	
129.0	95280186	2.0	EA	ELBOW,90 DEG STRT THRD	
130.0	95343596	1.0	EA	PLUG,HEX HEAD,O-RING	
131.0	95323465	1.0	EA	PLUG,HEX HEAD,STRT THRD	
132.0	95402830	1.0	EA	CONNECTOR,STRT THRD	
134.0	95958351	4.0	EA	CAPSCREW	
135.0	95959128	4.0	EA	LOCKWASHER (REG.)	
136.0	95922183	4.0	EA	WASHER,FLAT	
137.0	57328676	2.0	EA	FITTING,TEST	

57450751 VALVE,DIVERTER,ASSM



D2657450751 REV 004

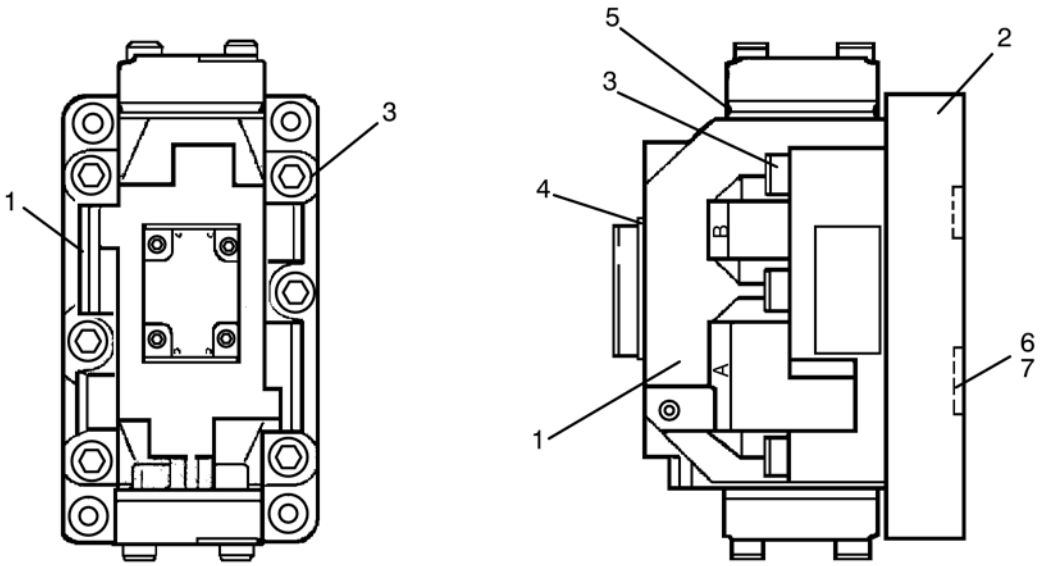
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57450751

57450751 VALVE,DIVERTER,ASSM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57106429	4.0	EA	VALVE,DIVERTER	**See Page 408**
002.1	57279622	4.0	EA	FITTING,STR,20OFS X16SAE	
003.0	95735346	4.0	EA	FITTING,HYD	
004.1	57319683	4.0	EA	FITTING,STR,16OFS X16SAE	
005.0	95666996	4.0	EA	PLUG,HEX HEAD,STRT THRD	
006.0	95371258	8.0	EA	FITTING,HYD	
010.1	95934592	16.0	EA	CAPSCREW,HEX	
011.0	95937413	16.0	EA	WASHER,LOCK,HELICAL	
012.0	95922894	16.0	EA	NUT,HEX	
013.0	57214116	4.0	EA	FITTING,L90,20OFS X16SAE	
039.0	95934378	4.0	EA	CAPSCREW,HEX	

57106429 VALVE,DIVERTER



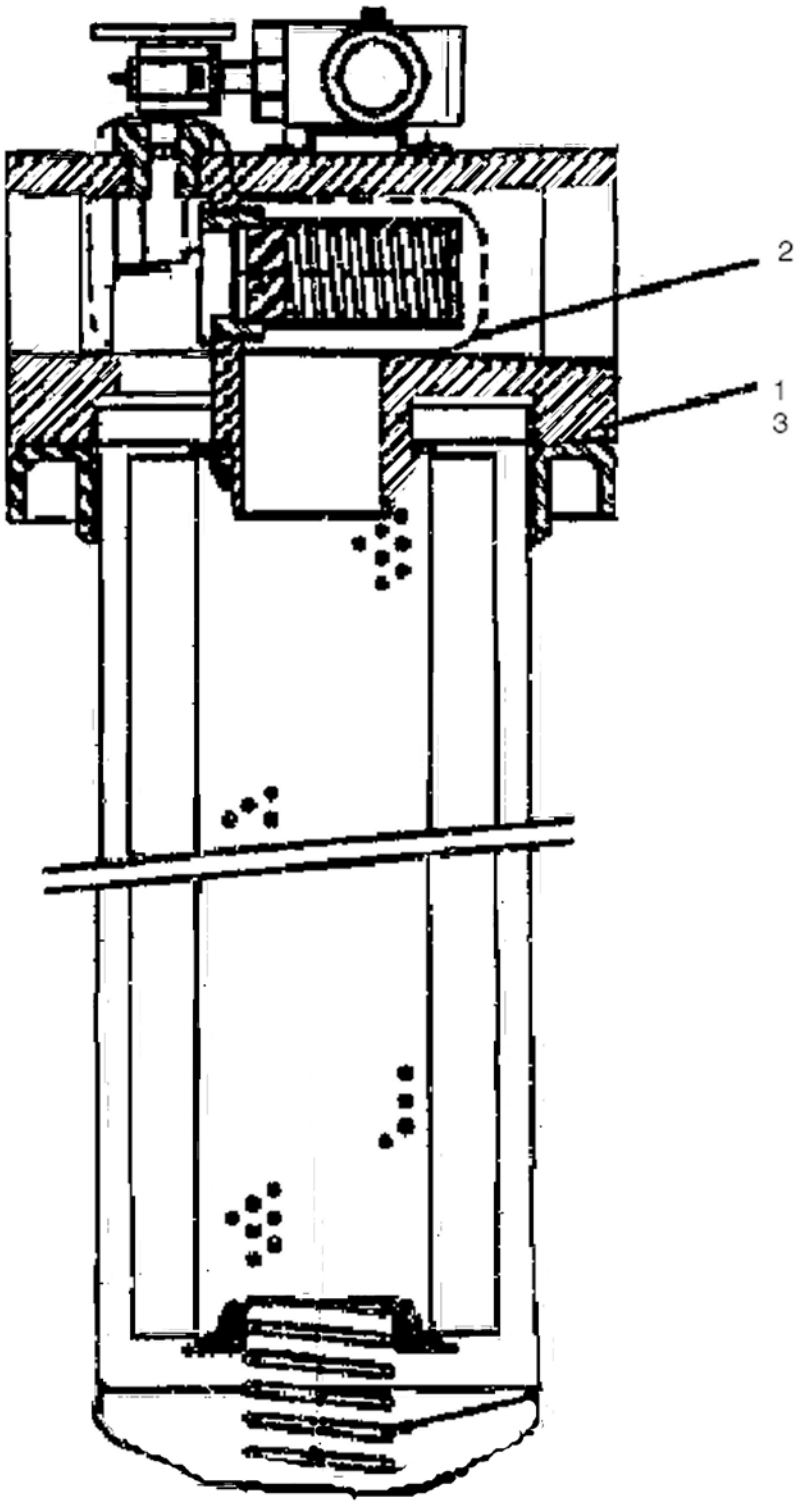
8 NOT SHOWN

BOM 57106429

57106429 VALVE,DIVERTER

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57106460	1.0	EA	VALVE, 4-WAY	
-	57107914	1.0	EA	- KIT,SEAL	
002.0	57106965	1.0	EA	SUBPLATE	
003.0	51076271	1.0	EA	BOLT KIT	
004.0	57107906	2.0	EA	O-RING	
005.0	51076156	2.0	EA	O-RING	
006.0	51076172	2.0	EA	O-RING	
007.0	51076164	4.0	EA	O-RING	
008.0	57107914	0.0	EA	KIT,SEAL	

57336422 FILTER, SAE



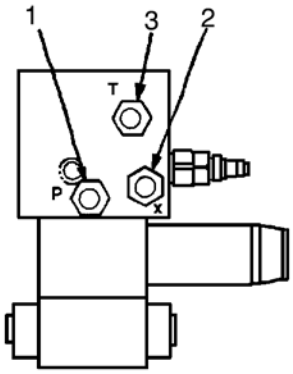
E2657336422 REV 002

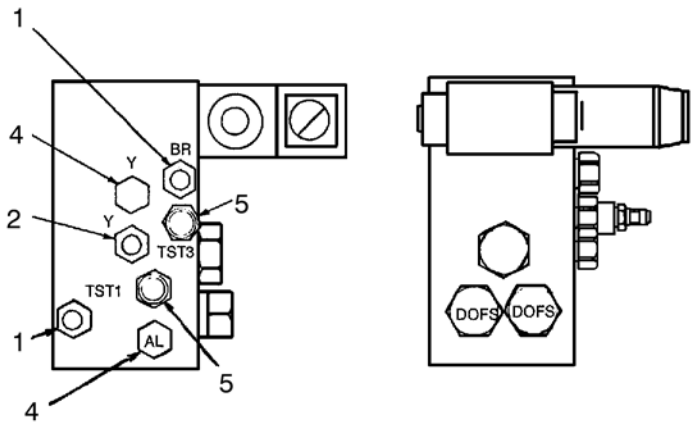
BOM 57336422

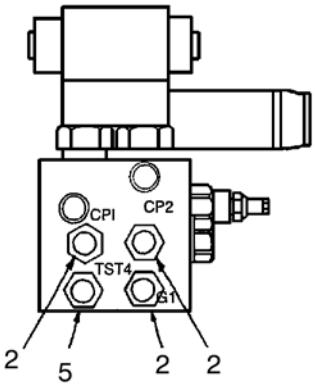
57336422 FILTER, SAE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57336406	1.0	EA	ELEMENT,KF3 FILTER S3	
002.0	57435430	1.0	EA	SWITCH, FILTER BY-PASS	
003.0	50938109	1.0	EA	O-RING	

57576969 VALVE,ASSM,DR/PR CONTROL







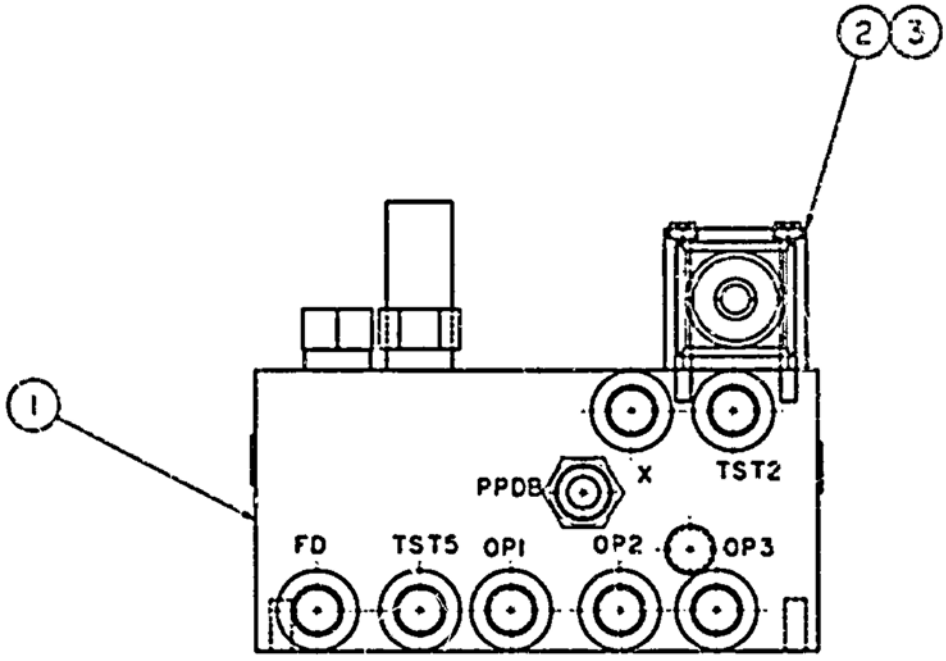
C57576969 REV 001

BOM 57576969

57576969 VALVE,ASSM,DR/PR CONTROL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	95365078	2.0	EA	CONNECTOR,STRT THRD	
002.0	95371258	8.0	EA	FITTING,HYD	
003.0	95303368	1.0	EA	CONNECTOR,STRT THRD	
004.0	95666996	4.0	EA	PLUG,HEX HEAD,STRT THRD	
005.0	57328676	4.0	EA	FITTING,TEST	
006.0	54418116	1.0	EA	VALVE-DR/PR CONTROL	**See Page 414**
008.0	95935227	3.0	EA	CAPSCREW	
009.0	95922621	3.0	EA	LOCKWASHER	
010.0	57319618	1.0	EA	FITTING,STR,06OFS X06SAE	

54418116 VALVE-DR/PR CONTROL

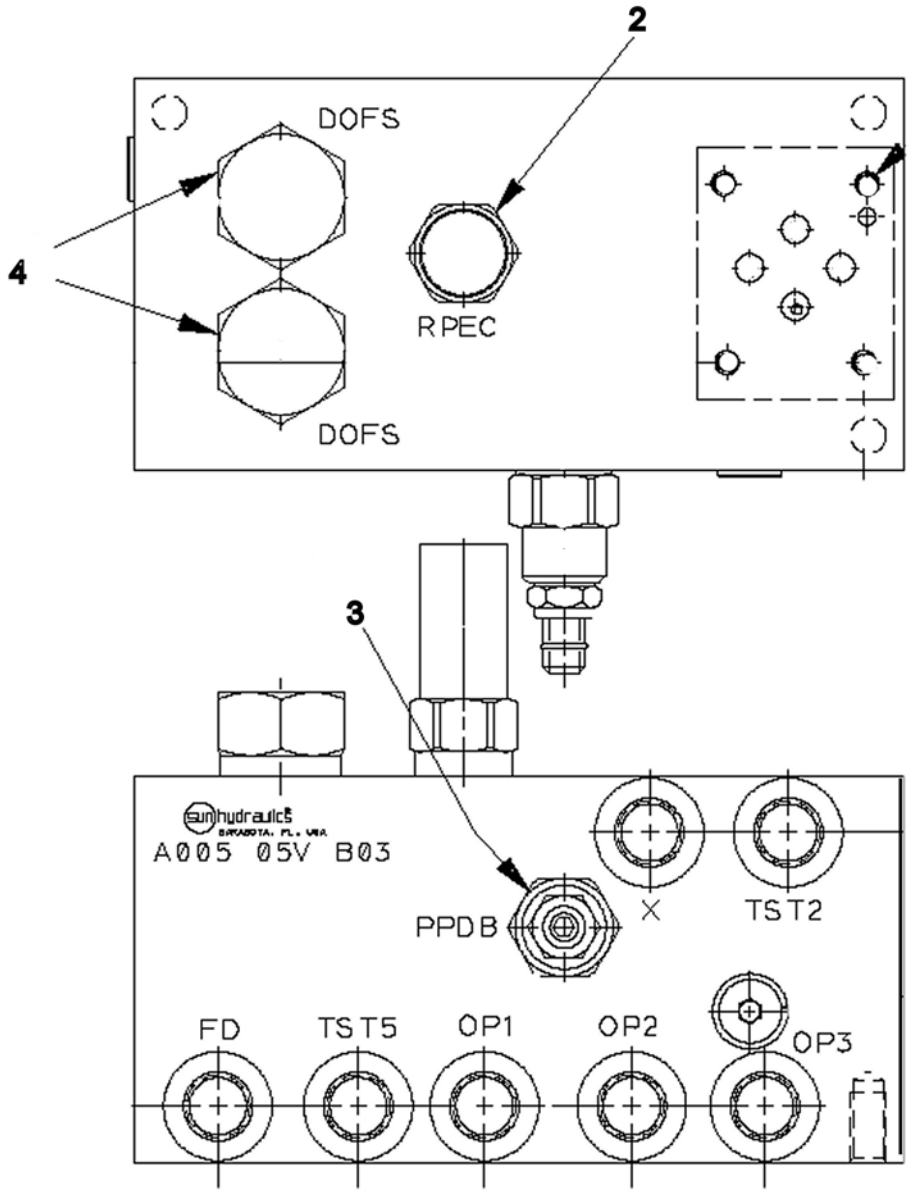


BOM 54418116

54418116 VALVE-DR/PR CONTROL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54418108	1.0	EA	MANIFOLD ASSY-DR/PR CONT	**See Page 416**
002.0	57325623	1.0	EA	VALVE,4-WAY D03	**See Page 418**
003.0	95491841	4.0	EA	SCREW, CAP-NO.10-24 X 2	

54418108 MANIFOLD ASSY-DR/PR CONT

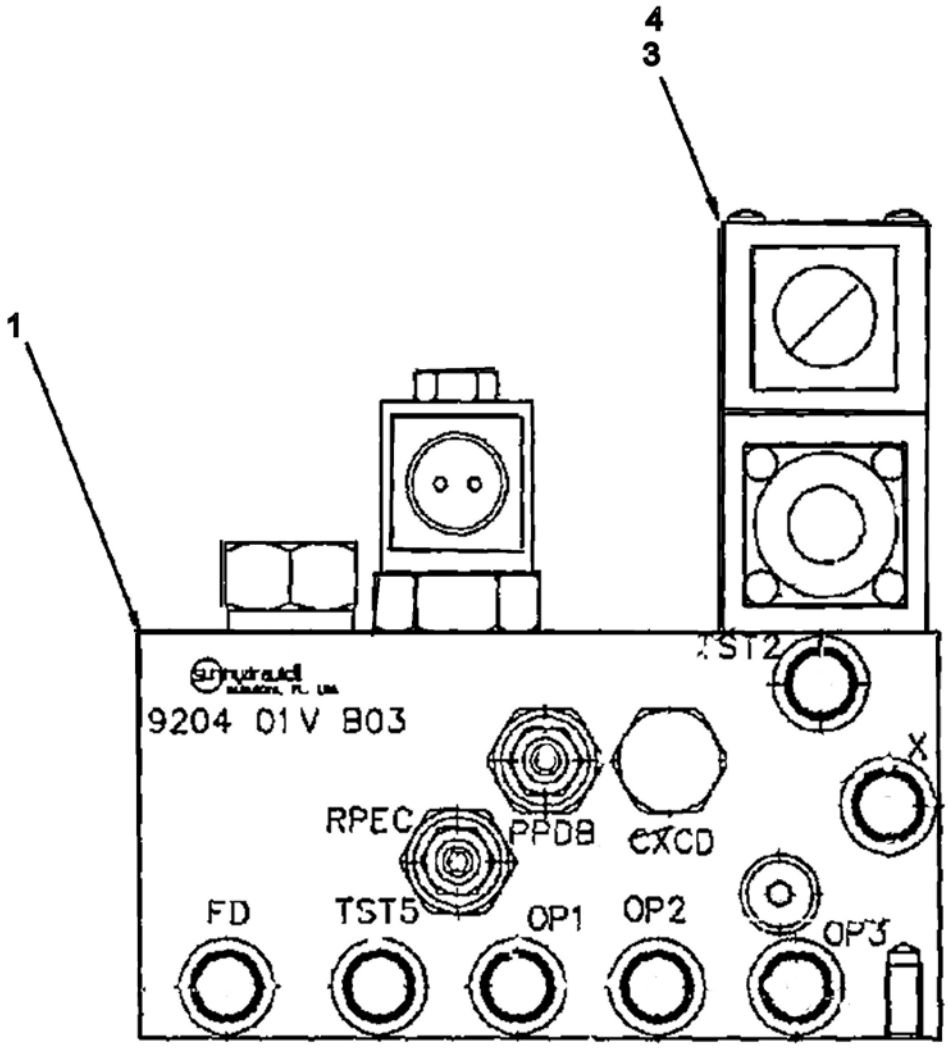


BOM 54418108

54418108 MANIFOLD ASSY-DR/PR CONT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	54417993	1.0	EA	VALVE,RELIEF	
-	57301012	1.0	EA	- SEAL KIT-VALVE CART.	
003.0	57325664	1.0	EA	VALVE, REDUCING CART.	
-	59476705	1.0	EA	- SEAL KIT	
004.0	57325649	2.0	EA	VALVE, 2-WAY CART.	
-	57303737	1.0	EA	- SEAL KIT	

57325623 VALVE,4-WAY D03

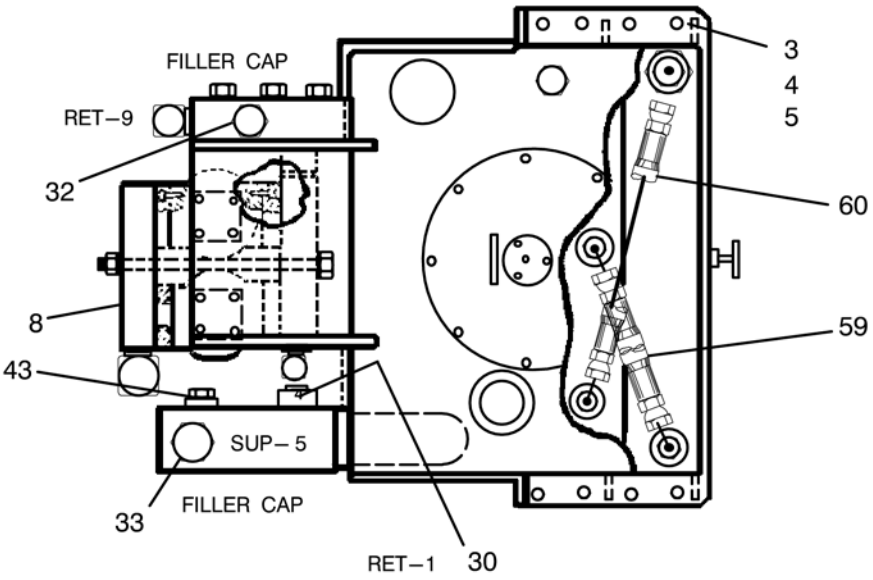


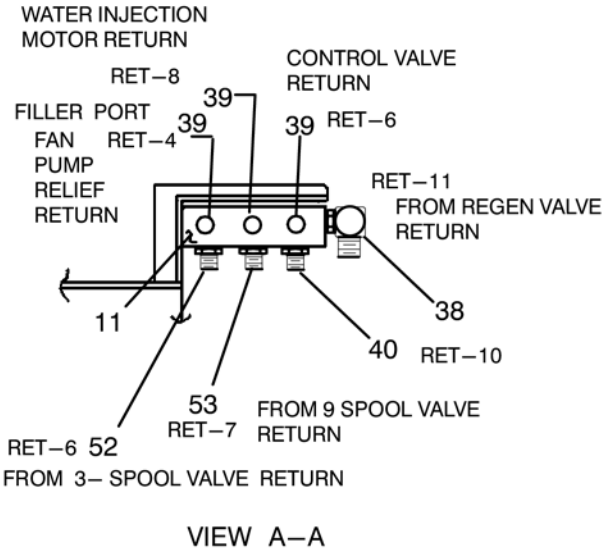
BOM 57325623

57325623 VALVE,4-WAY D03

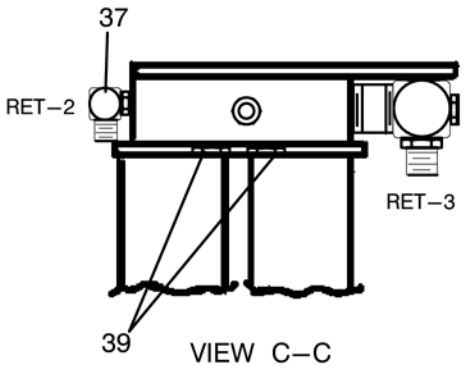
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57516346	2.0	EA	SOLENOID	
003.0	54406046	1.0	EA	BLOCK,VALVE TERMINAL	
004.0	54418546	1.0	EA	KIT,SEAL	

57755340 PIPING,HYDRAULIC TANK





VIEW A–A

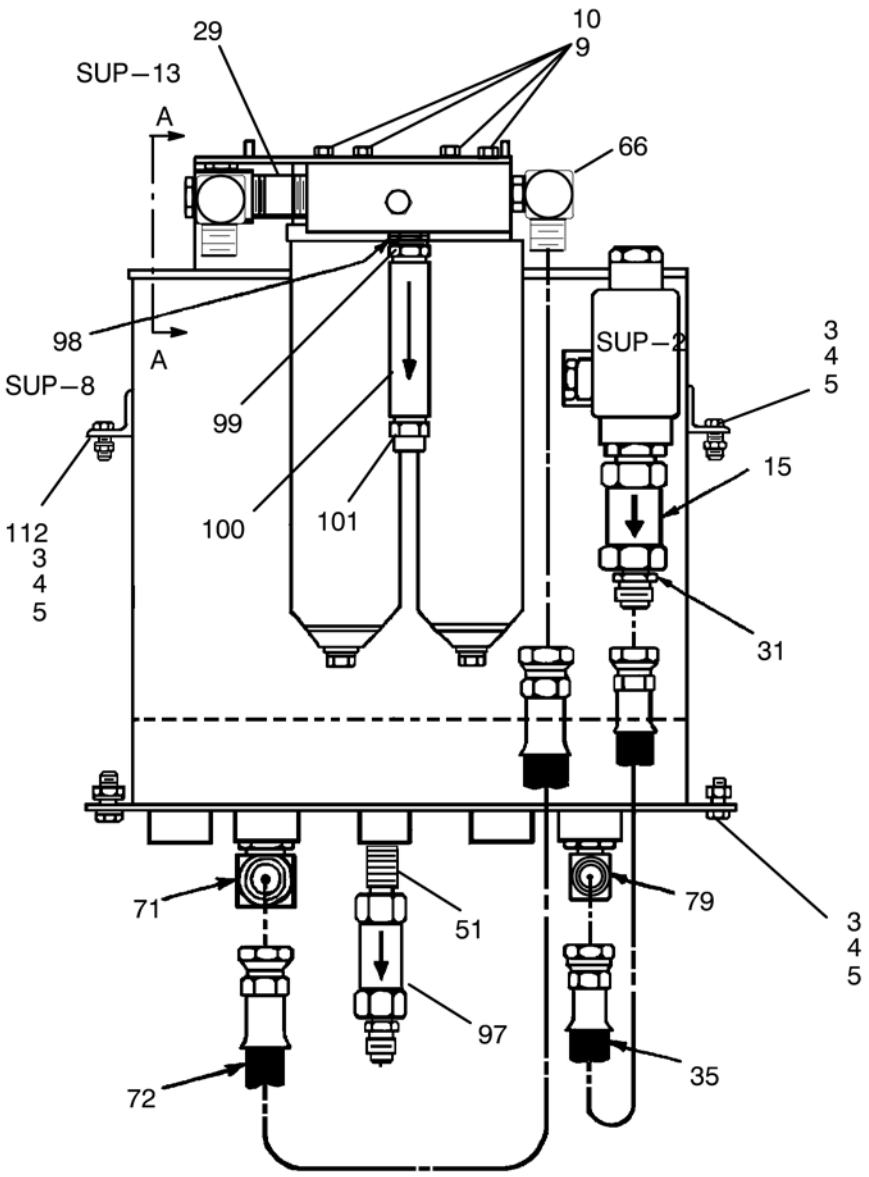


VIEW C–C

TB2657755340 REV 004

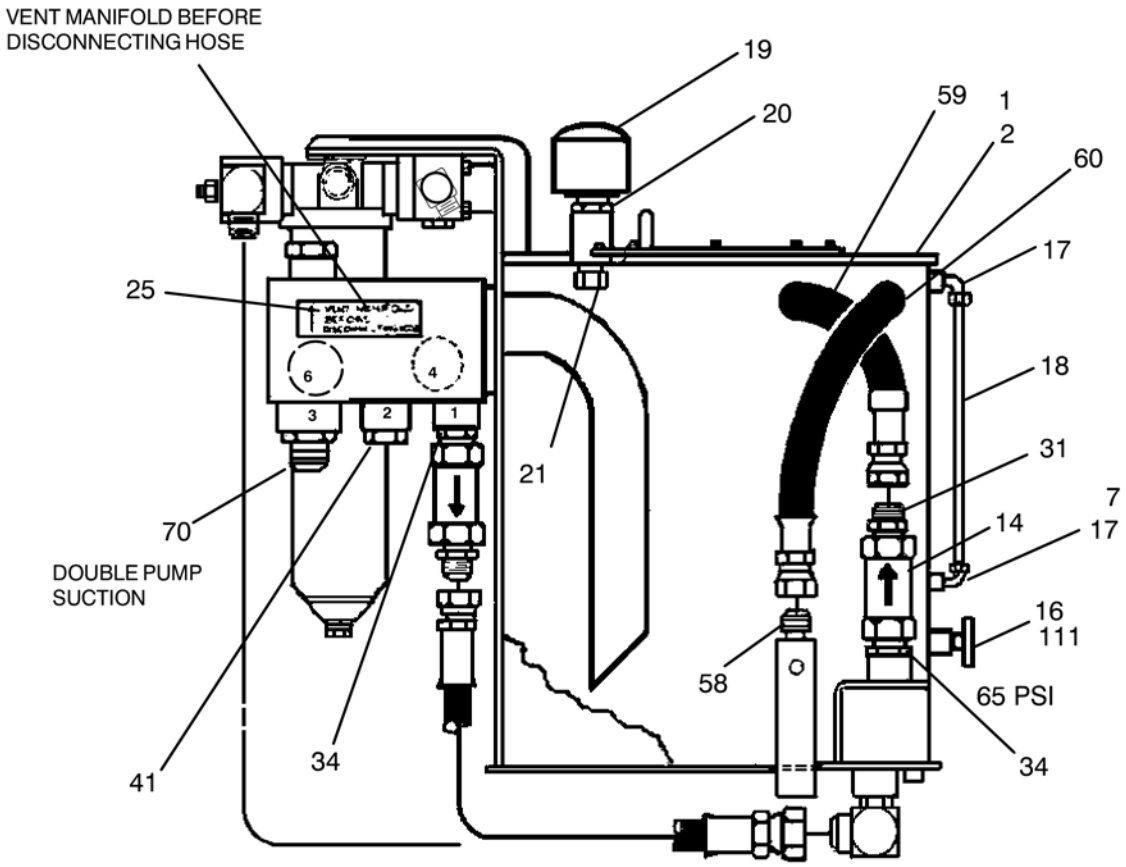
BOM 57755340

57755340 PIPING,HYDRAULIC TANK



TB2657755340 REV 004

57755340 PIPING,HYDRAULIC TANK

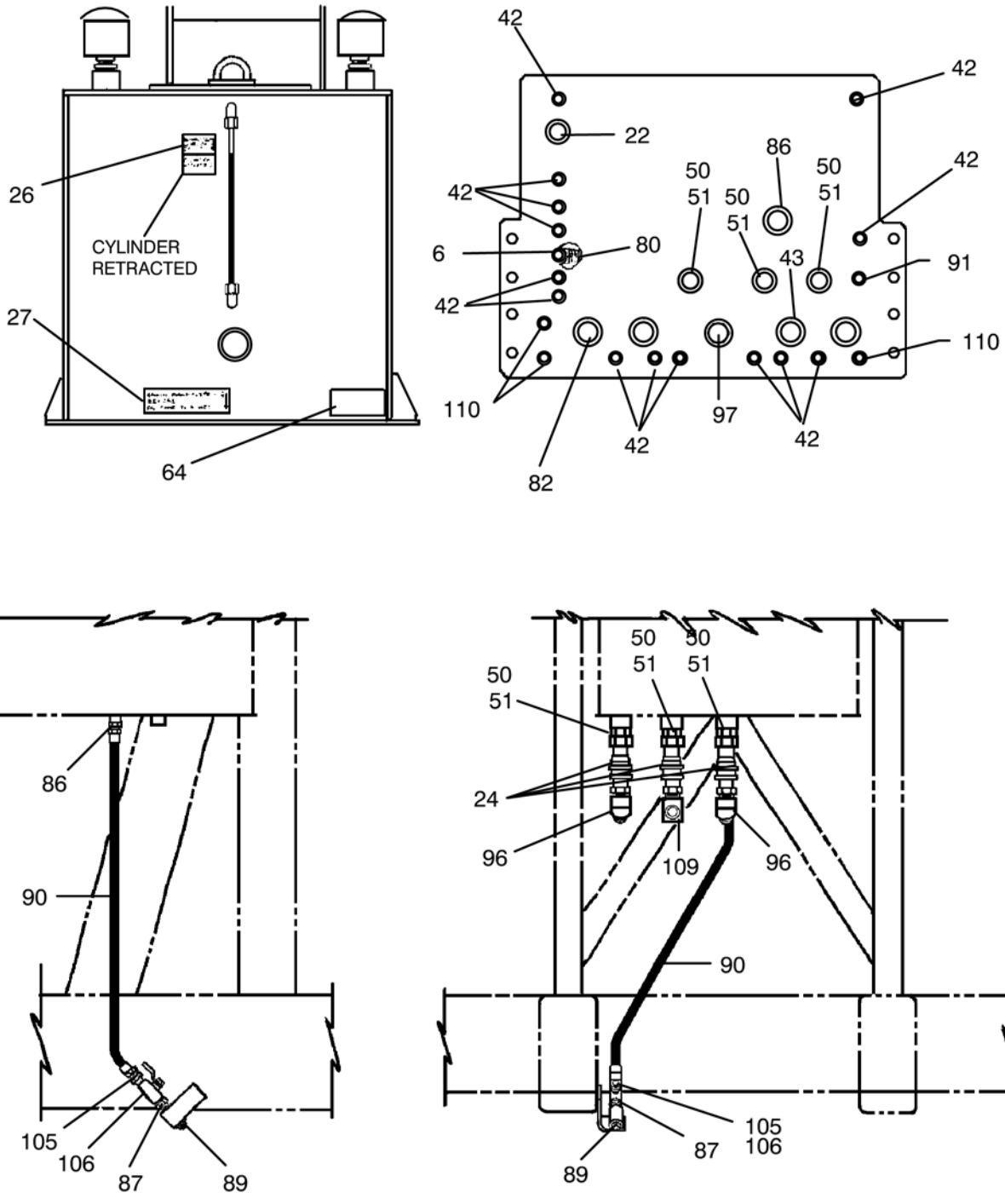


TB2657755340 REV 004

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57755340

57755340 PIPING,HYDRAULIC TANK



TB2657755340 REV 004

BOM 57755340

57755340 PIPING,HYDRAULIC TANK

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57755332	1.0	EA	RESERVOIR,HYDRAULIC	**See Page 426**
002.1	52223781	150.0	GL	OIL,HYDRAULIC-GALLON	
003.3	95934451	12.0	EA	CAPSCREW,HEXHEAD,PLATED	
004.3	95934733	12.0	EA	WASHER,LOCK	
005.2	95922902	12.0	EA	NUT,HEX,FINISHED,PLATED	
006.0	95303368	1.0	EA	CONNECTOR,STRT THRD	
007.0	95268215	2.0	EA	FITTING,HYD	
008.1	52254885	1.0	EA	FILTER,HYDRAULIC	**See Page 428**
009.2	95920674	8.0	EA	CAPSCREW,HEX	
010.1	95937413	8.0	EA	WASHER,LOCK,HELICAL	
011.0	57482556	1.0	EA	MANIFOLD, RETURN	
014.0	50261825	2.0	EA	VALVE, CHECK	
015.0	50247733	1.0	EA	VALVE,CHECK	
016.0	50463454	1.0	EA	THERMOMETER	
017.2	95293403	2.0	EA	ELBOW,90 DEG MALE	
018.1	50247709	16.0	IN	TUBING,VINYL	
019.0	50903236	2.0	EA	BREATHER	
020.0	57358079	2.0	EA	FITTING,ALTERED,BREATHER	
-	95663803	1.0	EA	- FITTING, TUBE	
021.0	57468795	2.0	EA	PLUG, BREATHER	
-	95663803	1.0	EA	- FITTING, TUBE	
022.0	95326955	1.0	EA	PLUG W/O RNG	
024.3	57167132	3.0	EA	DISCONNECT	
025.0	57758526	1.0	EA	DECAL,VENT MANIFOLD	
026.0	50810993	1.0	EA	DECAL,HYD.OIL LEVEL	
027.0	50829712	1.0	EA	Decal, Drain Manifold	
029.0	50691831	1.0	EA	NIPPLE	
030.1	95663803	2.0	EA	FITTING, TUBE	
031.1	95219770	3.0	EA	FITTING,HYD	
032.0	57328676	1.0	EA	FITTING,TEST	
033.0	95666996	1.0	EA	PLUG,HEX HEAD,STRT THRD	
034.0	50691690	3.0	EA	ADAPTER	
035.2	57449415	1.0	EA	HOSE ASSY	
037.3	95280186	1.0	EA	ELBOW,90 DEG STRT THRD	
038.1	57233983	1.0	EA	FITTING,L90,16OFS X20SAE	
039.3	95280541	5.0	EA	FITTING,HYD	
040.3	95356986	1.0	EA	FITTING, HYD	
041.1	95361028	1.0	EA	PLUG-W/O-RNG	
042.2	95343596	14.0	EA	PLUG,HEX HEAD,O-RING	
043.1	95735346	2.0	EA	FITTING,HYD	
050.1	95219762	3.0	EA	ADAPTER	

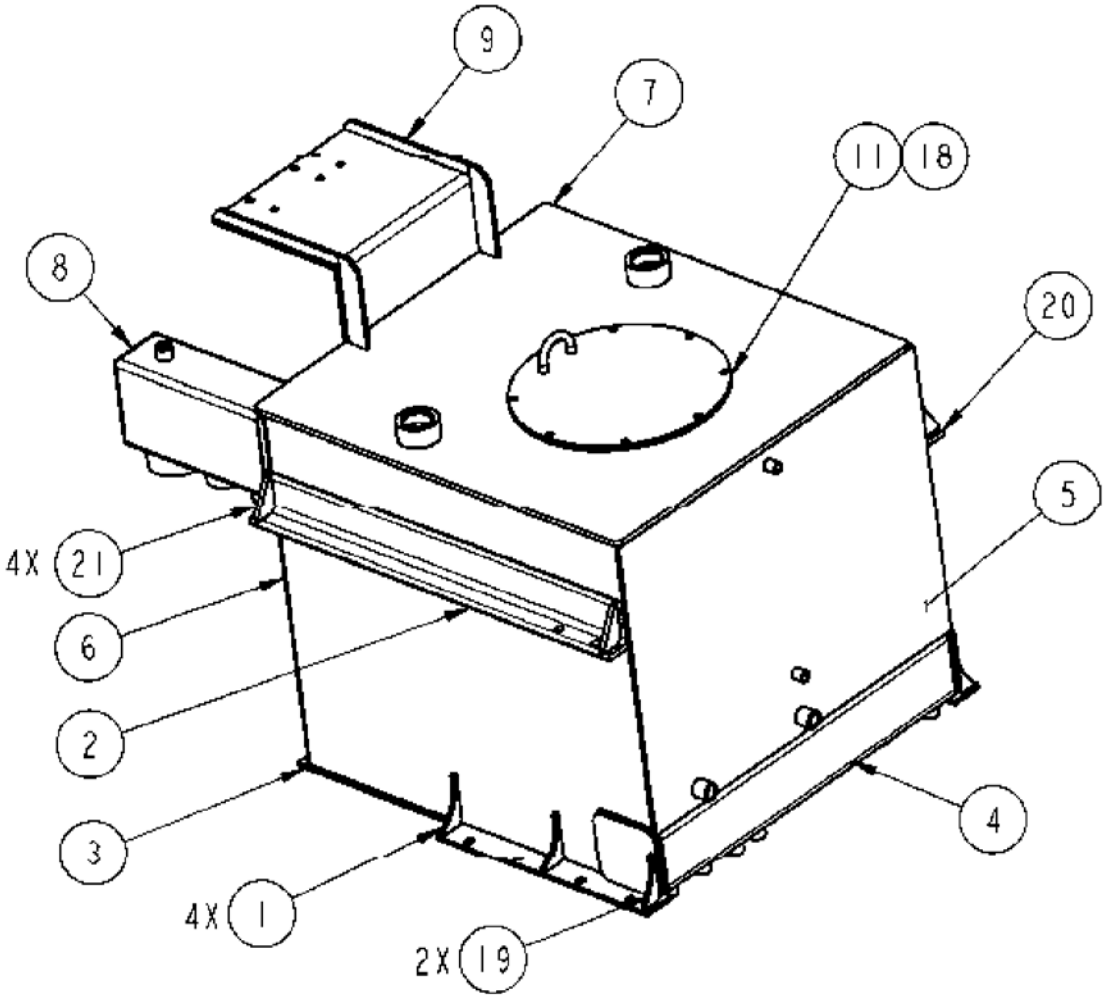
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57755340

57755340 PIPING,HYDRAULIC TANK

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
051.3	95266433	4.0	EA	O-RING	
052.0	57438483	1.0	EA	ADAPTER	
053.0	95402830	1.0	EA	CONNECTOR,STRT THRD	
058.2	95315289	1.0	EA	CONNECTOR,STRT THRD	
059.1	56973027	1.0	EA	HOSE ASSY	
060.1	56956675	1.0	EA	HOSE ASSY	
064.1	52223807	1.0	EA	DECAL,HYDRAULIC OIL	
066.0	95431292	1.0	EA	ELBOW,90 DEG STRT THRD	
070.0	95371241	1.0	EA	ADAPTER,STR.-JIC/O-RING	
071.0	95371209	1.0	EA	ADAPTER,90DEG-O-RING/JIC	
072.1	56254253	1.0	EA	HOSE ASSY	
079.2	95357604	1.0	EA	ELBOW,90 DEG STRT THRD	
080.0	95303335	1.0	EA	ELBOW,90 DEG STRT THRD	
082.0	95376133	1.0	EA	ADAPTER,90DEG-O-RING/JIC	
086.0	95356960	1.0	EA	CONNECTOR,STRT THRD	
087.0	95219747	1.0	EA	CONNECTOR,MALE,37 DEG	
089.0	95002143	1.0	EA	PLUG,PIPE-SQ HEAD	
090.0	57183832	1.0	EA	HOSE ASSY	
091.0	95323465	1.0	EA	PLUG,HEX HEAD,STRT THRD	
096.0	95279121	2.0	EA	FITTING	
097.1	57167728	1.0	EA	VALVE,CHECK-16 JIC	
098.0	95038154	1.0	EA	BUSHING PIPE	
099.0	95324273	1.0	EA	FITTING,HYD	
100.0	50261825	1.0	EA	VALVE, CHECK	
101.0	95219770	1.0	EA	FITTING,HYD	
105.0	95279378	1.0	EA	FITTING,HYD	
106.0	50829605	1.0	EA	VALVE,BALL-1/2	
109.0	95279410	1.0	EA	FITTING,HYD	
110.0	95371258	3.0	EA	FITTING,HYD	
111.0	95037412	1.0	EA	BUSHING	
112.0	57582330	6.0	EA	SHIM,MTG-HYD TANK	

57755332 RESERVOIR,HYDRAULIC

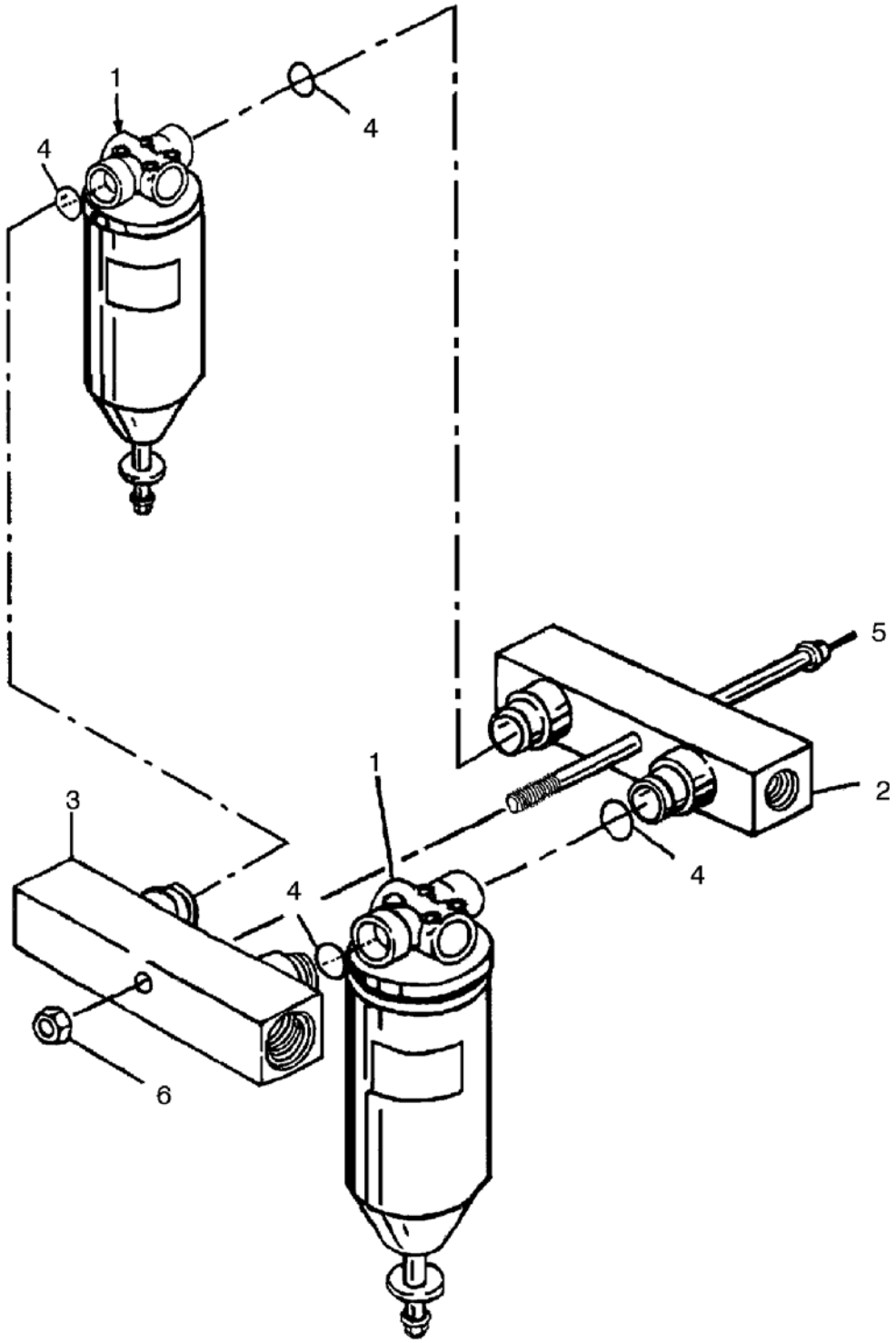


BOM 57755332

57755332 RESERVOIR,HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
003.0	57482887	1.0	EA	PLATE BOTTOM-HYD TANK	
004.0	57582280	1.0	EA	MANIFOLD,SUPERCHARGE	
-	57141525	6.0	EA	- BOSS-O RING 1.62-12	
005.0	57736589	1.0	EA	PLATE,REAR,HYD,RESERVOIR	
-	95061297	2.0	EA	- COUPLING,HALF	
-	95238978	2.0	EA	- COUPLING	
006.0	57736886	1.0	EA	PLATE,HYD RESV FRONT	
007.0	57755316	1.0	EA	PLATE,TOP	
008.0	57755324	1.0	EA	MANIFOLD,SUCTION	
-	57348450	1.0	EA	- COUPLING,SAE HALF	
-	57141525	2.0	EA	- BOSS-O RING 1.62-12	
-	57348468	1.0	EA	- COUPLING,SAE HALF	
009.0	57350449	1.0	EA	FILTER MNT BKT	
011.0	57755308	1.0	EA	COVER,TOP	
013.0	95958963	8.0	EA	CAPSCREW	
014.0	95937413	8.0	EA	WASHER,LOCK,HELICAL	
018.0	57724916	1.0	EA	GASKET,HYD TANK-COVER	
022.0	95446563	1.0	EA	COUPLING	
023.0	95446597	1.0	EA	COUPLING,HALF-2 NPT	
024.0	95252417	1.0	EA	PLUG,PIPE-1,HEX HEAD	
025.0	95437349	1.0	EA	PLUG, PIPE-2 HEX HEAD	

52254885 FILTER,HYDRAULIC



D358324 REV 003

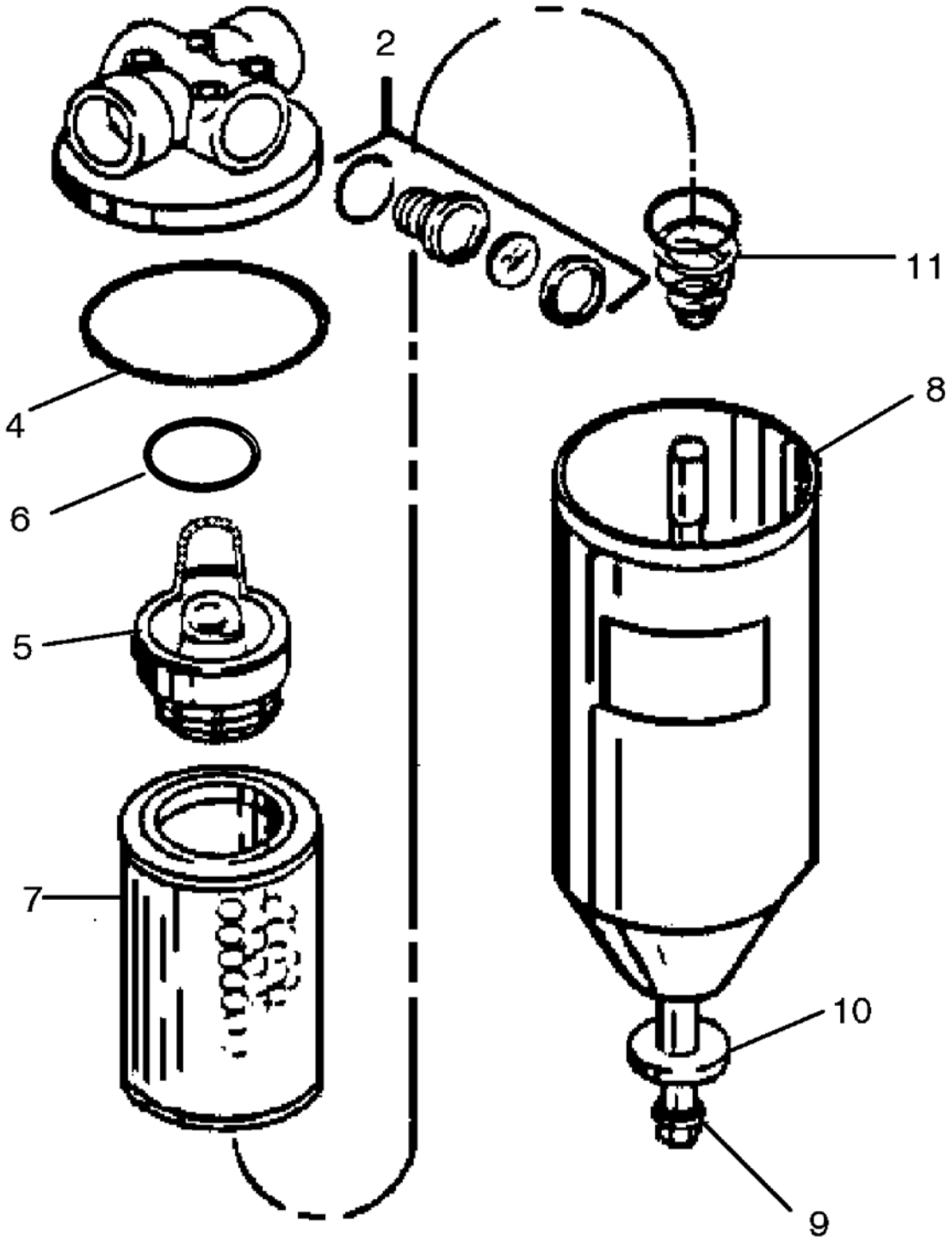
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 52254885

52254885 FILTER,HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52259363	2.0	EA	FILTER ASSY-HYD	**See Page 430**
002.0	52263530	2.0	EA	MANIFOLD	
003.0	52263548	1.0	EA	MANIFOLD	
004.0	52263555	1.0	EA	O-RING	
005.0	52263563	1.0	EA	BOLT	
006.0	52263571	1.0	EA	NUT,LOCK	

52259363 FILTER ASSY-HYD



TB358619 REV 004

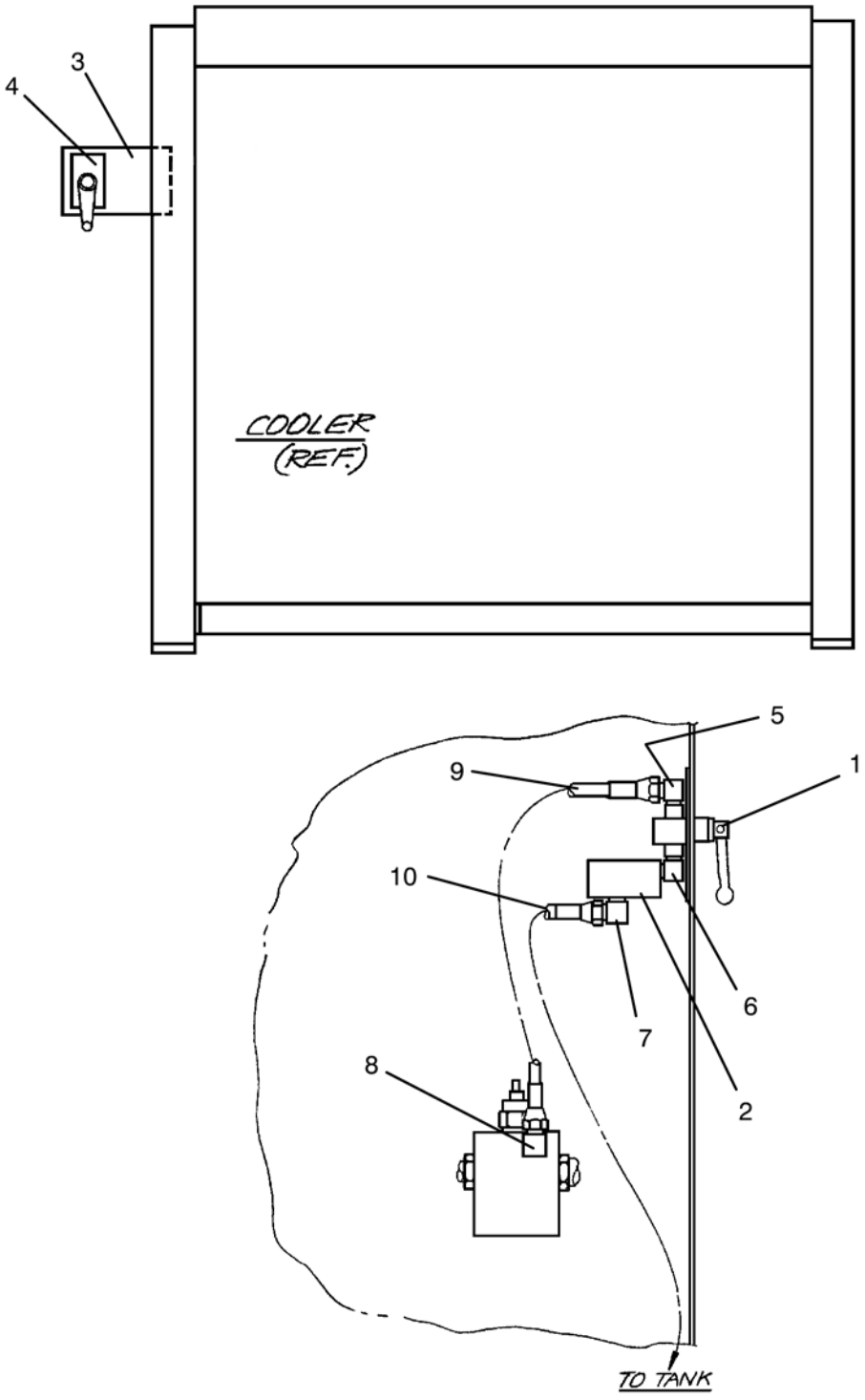
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 52259363

52259363 FILTER ASSY-HYD

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	35277151	1.0	EA	GLASS	
004.0	95070603	4.0	EA	O-RING	
005.1	57113367	1.0	EA	VALVE,BY PASS	
006.0	35251511	1.0	EA	O'RING	
007.0	52263183	1.0	EA	ELEMENT,FILTER-MAIN HYD	
008.0	35251529	1.0	EA	HOUSING	
009.0	50815638	1.0	EA	BOLT	
010.0	35251545	1.0	EA	WASHER, GSKT	
011.0	35251552	1.0	EA	SPRING	

56245996 CONTROL,FAN,2-SPEED MTR



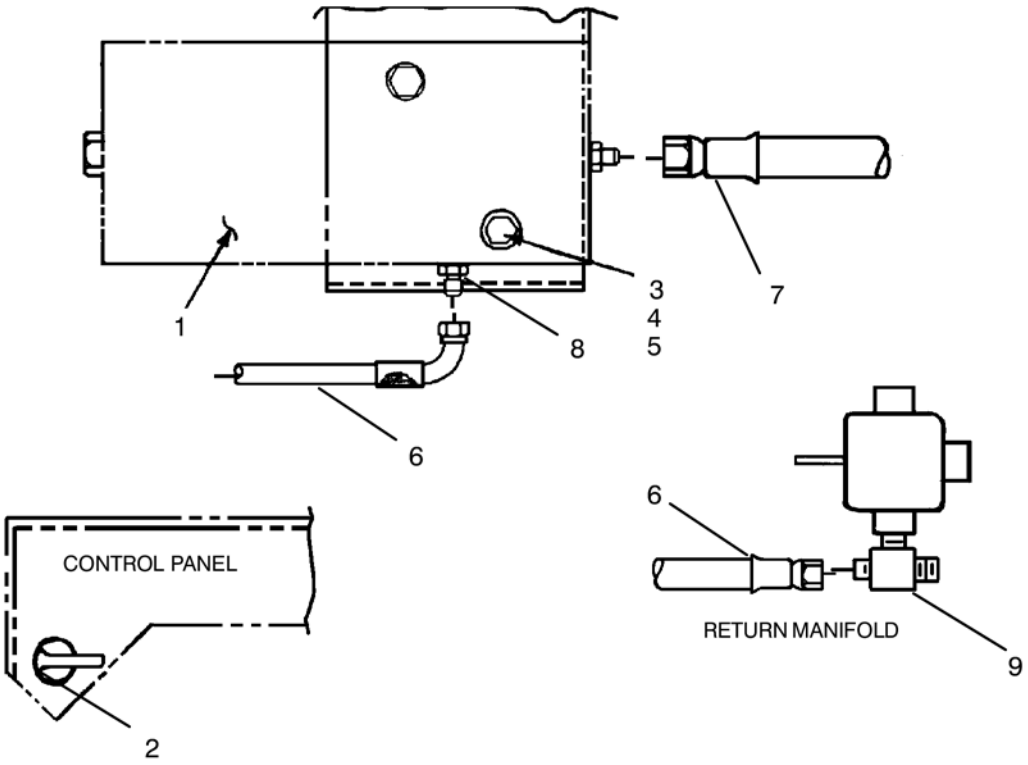
C2656245996 REV 004

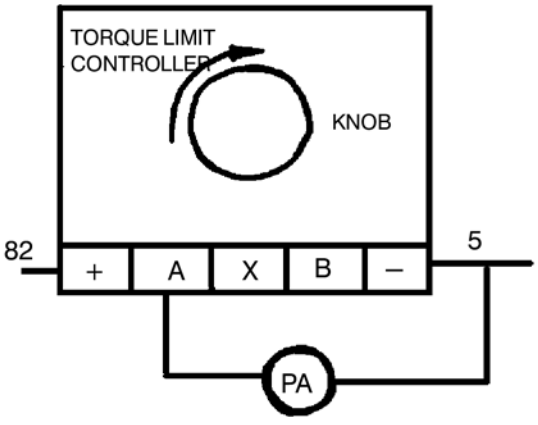
BOM 56245996

56245996 CONTROL,FAN,2-SPEED MTR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50517192	1.0	EA	VALVE, SHUTOFF	
002.0	50514967	1.0	EA	VALVE,RELIEF	
003.0	57485211	1.0	EA	PLATE, FAN CONTROL SUPPT	
004.0	57494312	1.0	EA	NAMEPLATE, 2 SPDFAN-95DG	
005.0	95209094	1.0	EA	FITTING,HYD	
006.0	95654448	1.0	EA	ELBOW,90DEG MALE,NPTF	
007.0	95279493	1.0	EA	ELBOW,90 DEG MALE	
008.0	95329975	1.0	EA	ELBOW,90 DEG STRT THRD	
009.1	57931735	1.0	EA	HOSE ASSY	
010.1	56956998	1.0	EA	HOSE ASSY	

57531550 TORQUE LIMIT-ELEC/HYD





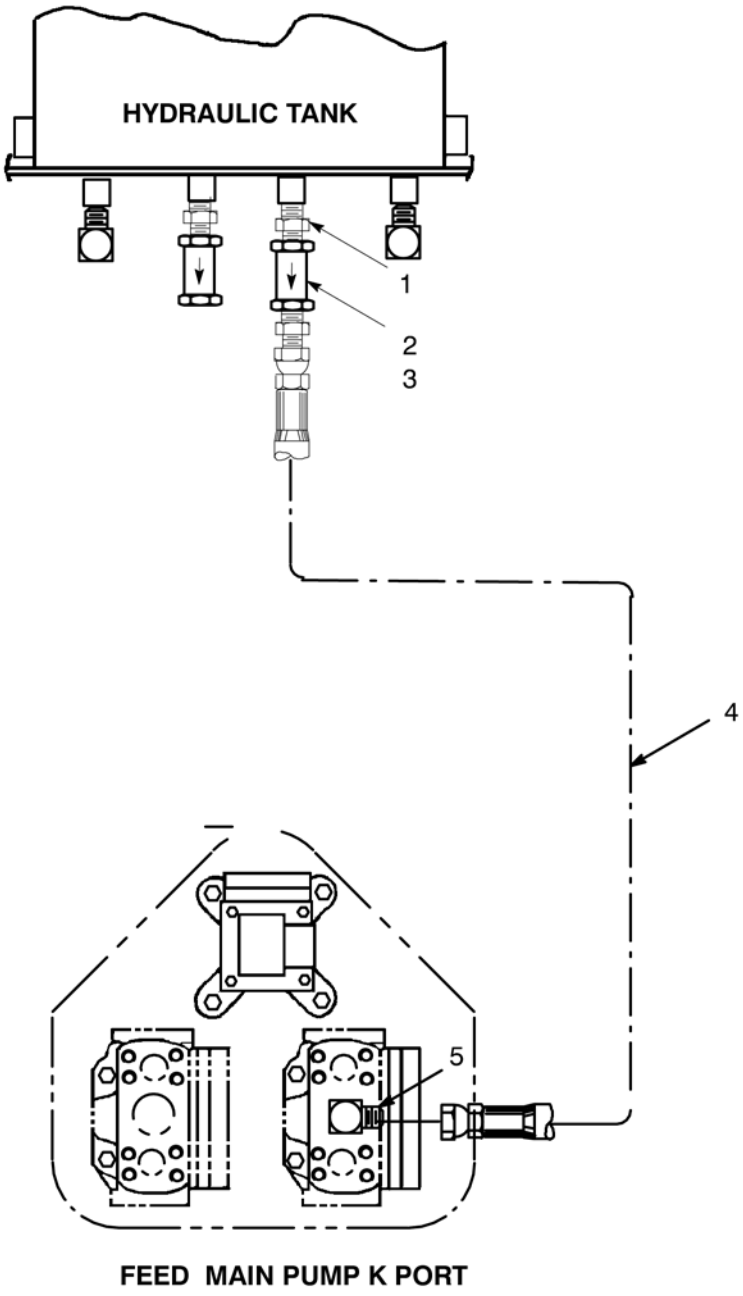
SCHEMATIC DIAGRAM

BOM 57531550

57531550 TORQUE LIMIT-ELEC/HYD

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57309536	1.0	EA	VALVE, PRESSURE CONTROL	
002.0	54498357	1.0	EA	CONTROLLER,ROTARY PROP.	
003.0	95934568	2.0	EA	CAPSCREW,HEX	
004.0	95934766	2.0	EA	WASHER,LOCK,HELICAL	
005.0	95931564	2.0	EA	NUT,HEX,FINISHED	
006.1	58182791	1.0	EA	HOSE ASSY	
007.1	57380420	1.0	EA	HOSE ASSY	
008.1	95365078	1.0	EA	CONNECTOR,STRT THRD	
009.0	95329975	1.0	EA	ELBOW,90 DEG STRT THRD	

56246788 KIT,K PORT,35FT TOWERS



C2656246788 REV 002

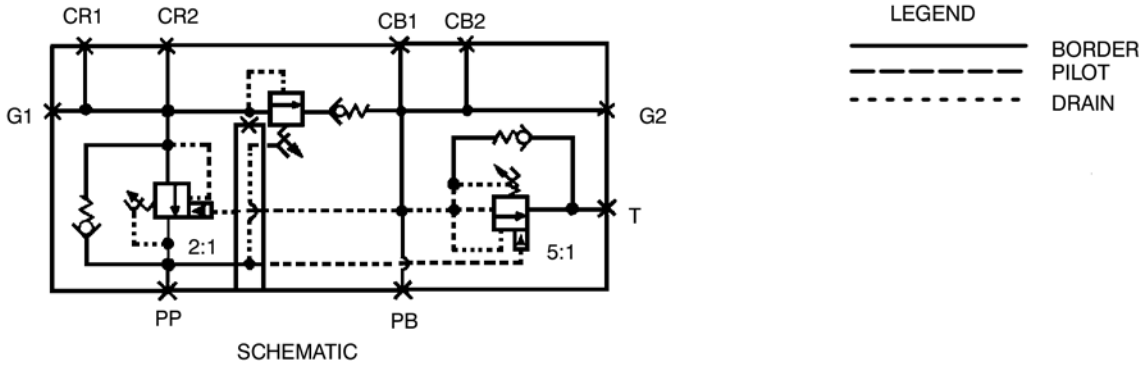
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

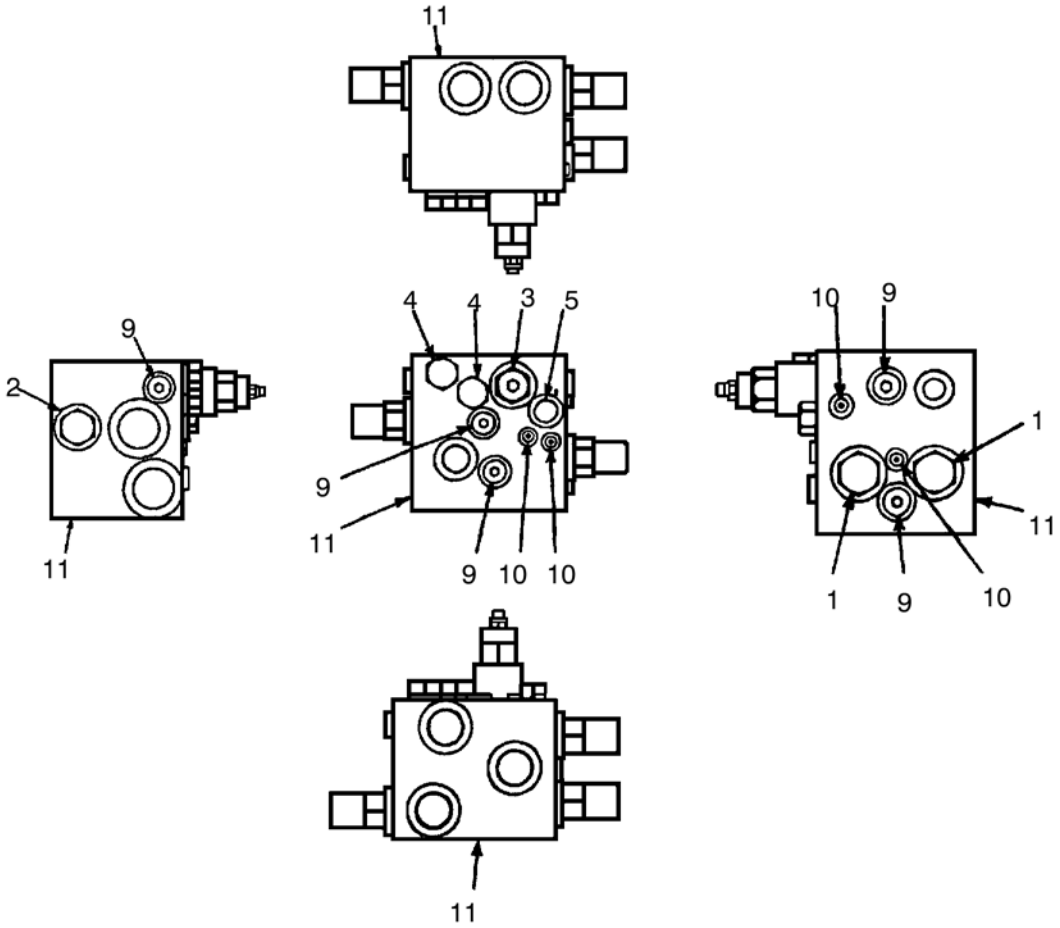
BOM 56246788

56246788 KIT,K PORT,35FT TOWERS

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57219420	1.0	EA	ADAPTER, SAE-20 X 16	
002.0	57167728	1.0	EA	VALVE,CHECK-16 JIC	
003.0	95266433	1.0	EA	O-RING	
004.0	56953912	1.0	EA	HOSE ASSY	
005.0	95329983	1.0	EA	CONNECTOR,STRAIGHT THRD	

57448136 VALVE, REGEN-LP





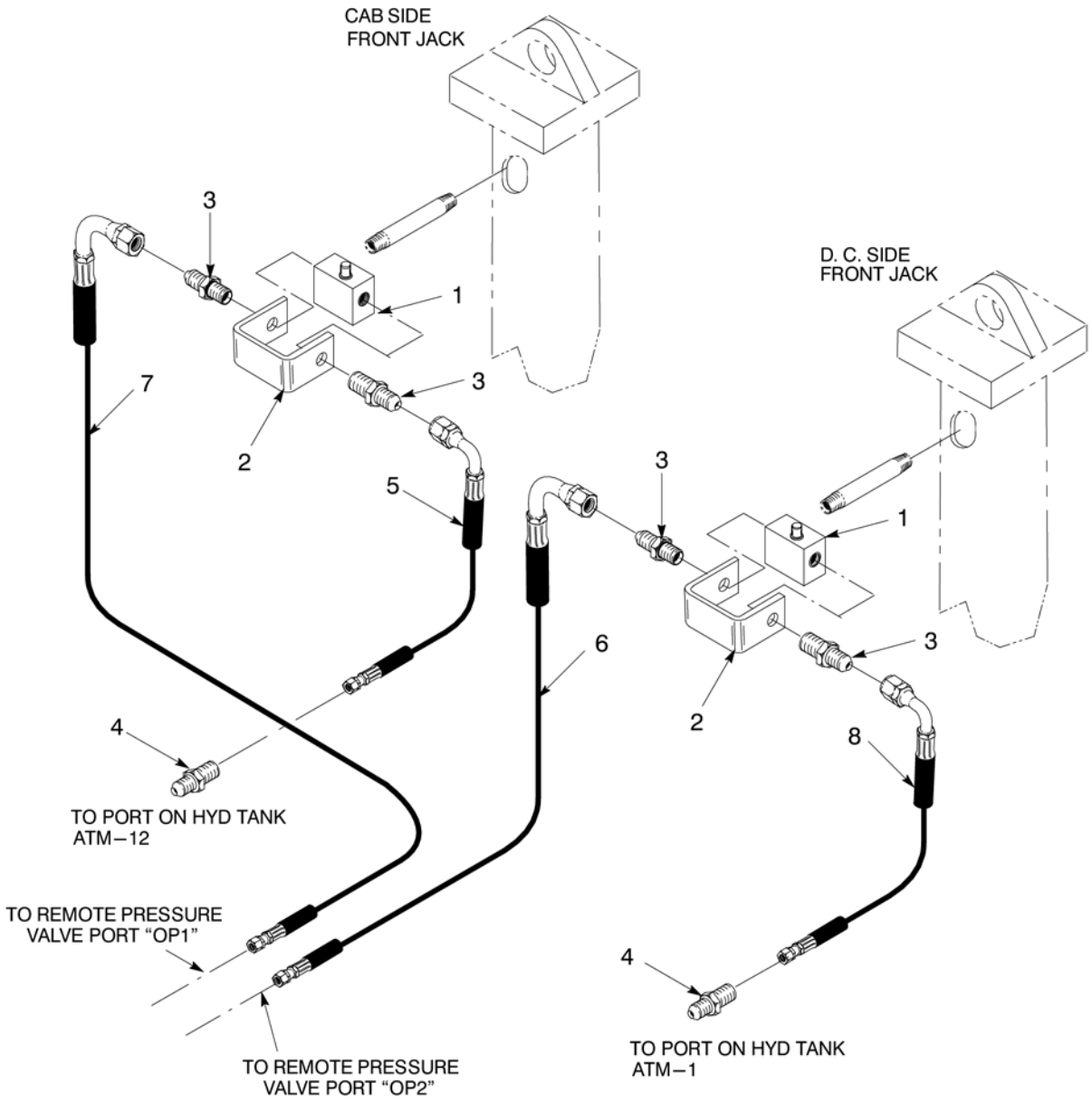
E2657448136 REV 002

BOM 57448136

57448136 VALVE, REGEN-LP

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57447856	2.0	EA	VALVE, COUNTERBLNCE-VENT	
-	57447906	1.0	EA	- SEAL KIT, COUNTRBLNCEVLV	
002.0	57447864	1.0	EA	VALVE, COUNTERBLNCE-VENT	
-	57447906	1.0	EA	- SEAL KIT, COUNTRBLNCEVLV	
003.0	57447872	1.0	EA	VALVE, SEQUENCE	
-	57447914	1.0	EA	- SEAL KIT, SEQUENCE VALVE	
004.0	57447880	2.0	EA	VALVE, CHECK	
-	57448102	1.0	EA	- SEAL KIT, CHECK VALVE	
005.0	57447898	1.0	EA	PLUG,MANIFOLD-XL	
-	59476705	1.0	EA	- SEAL KIT	
009.0	95504015	5.0	EA	PLUG,1/2-ORING, HEX SOC	
010.0	95926838	4.0	EA	PLUG,1/8 O-RING-HEX SOC	
011.0	57447849	1.0	EA	MANIFOLD, FEED CONTROL	

57501991 CONTROLS,OVERPRESS.ELEC



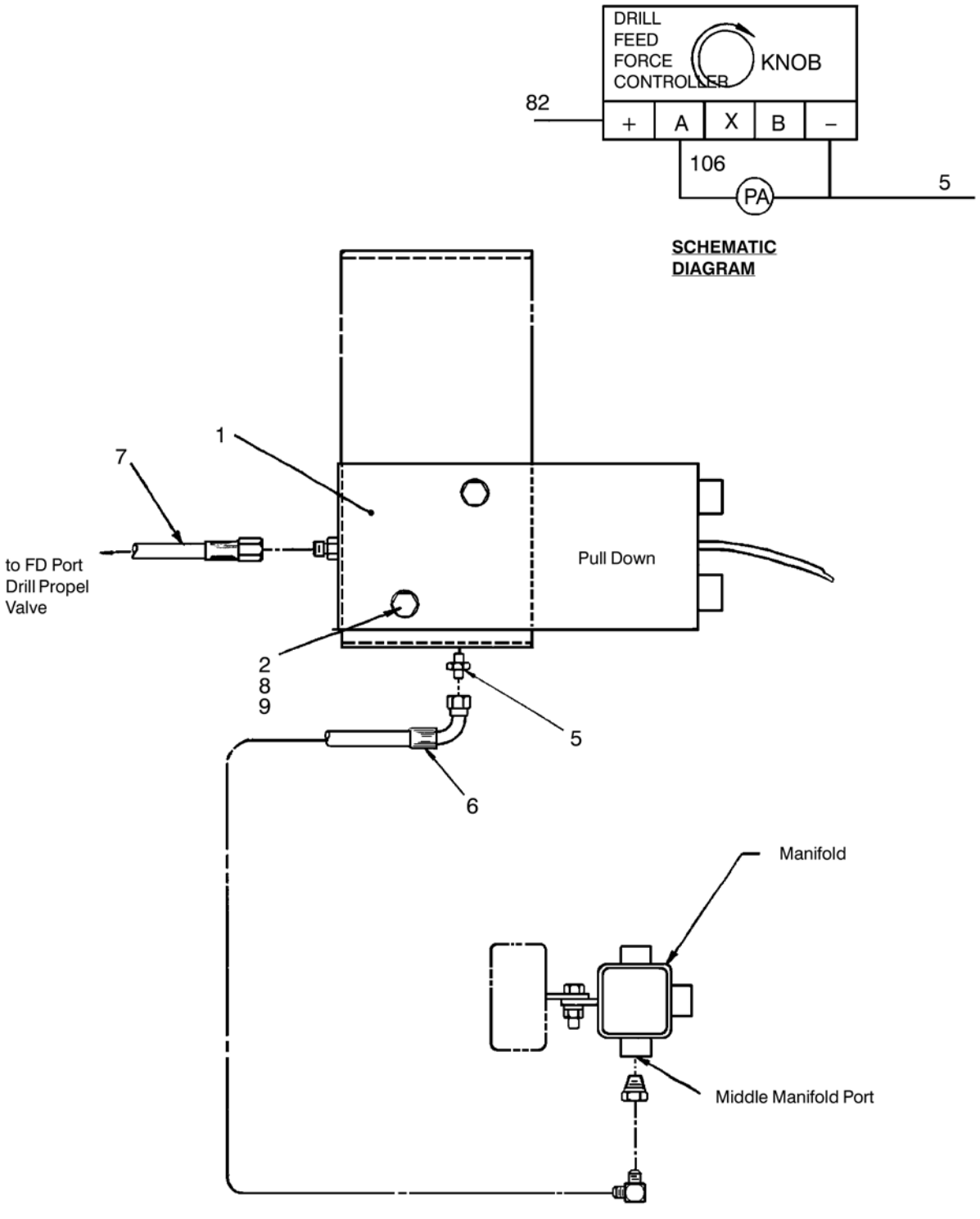
TB2657501991 REV 004

BOM 57501991

57501991 CONTROLS,OVERPRESS.ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50429356	2.0	EA	VALVE, 2-WAY	
002.0	50429455	2.0	EA	BRACKET, VALVE	
003.2	95365086	4.0	EA	CONNECTOR,STRT THRD	
004.0	95371258	2.0	EA	FITTING,HYD	
005.4	57036618	1.0	EA	HOSE ASSY	
006.5	52225877	1.0	EA	HOSE ASSY	
007.1	57020802	1.0	EA	HOSE ASSY	
008.1	57020828	1.0	EA	HOSE ASSY	

57536450 PULLDOWN,ELE,INSTL



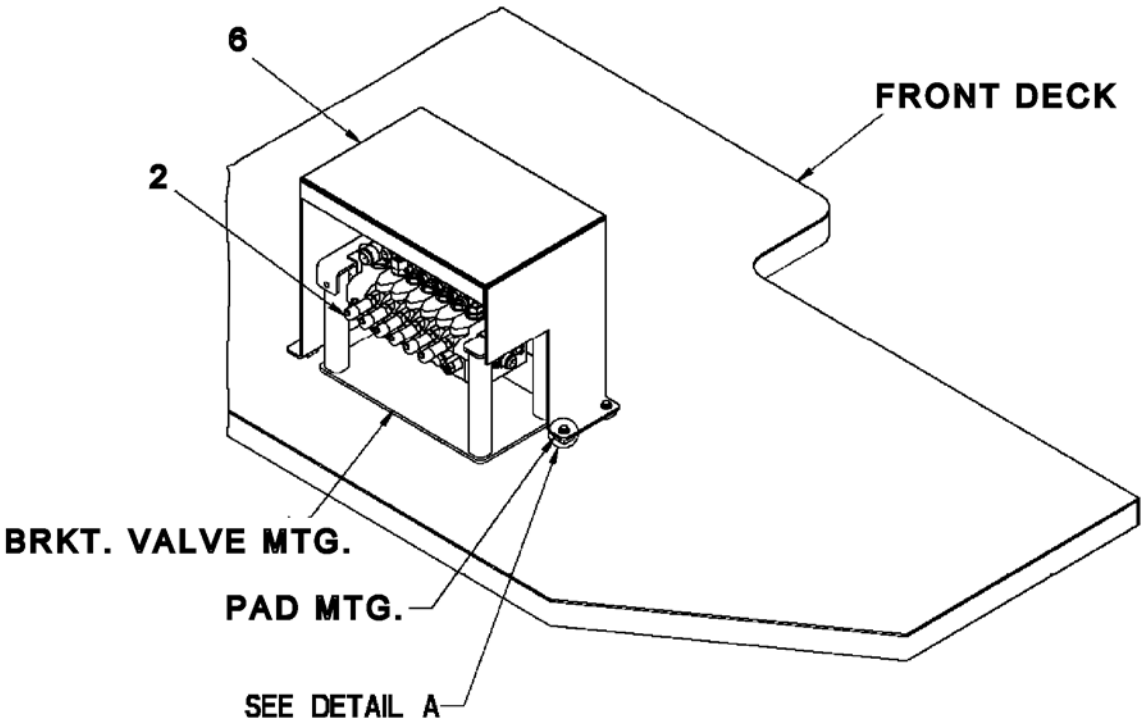
TB2657536450 REV 006

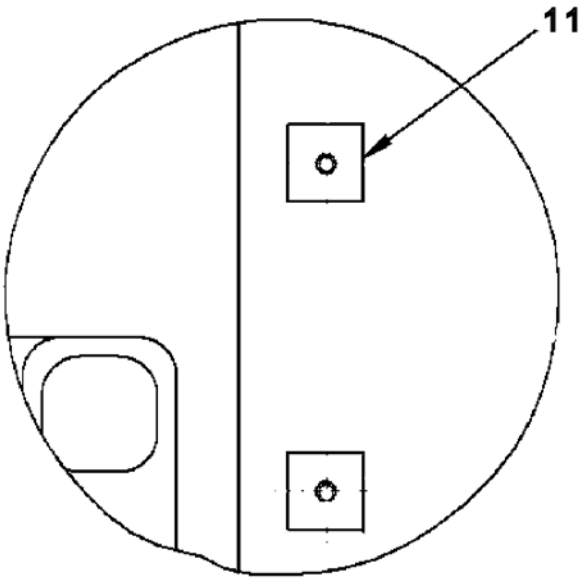
BOM 57536450

57536450 PULLDOWN,ELE,INSTL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57309536	1.0	EA	VALVE, PRESSURE CONTROL	
002.0	95958369	2.0	EA	SCREW, CAP-1/4-20 X2-3/4	
005.0	95365078	1.0	EA	CONNECTOR,STRT THRD	
006.0	58207325	1.0	EA	HOSE ASSY	
007.1	57380420	1.0	EA	HOSE ASSY	
008.0	95934766	2.0	EA	WASHER,LOCK,HELICAL	
009.0	95931564	2.0	EA	NUT,HEX,FINISHED	

57656795 VALVE,INSTL,6 SPOOL





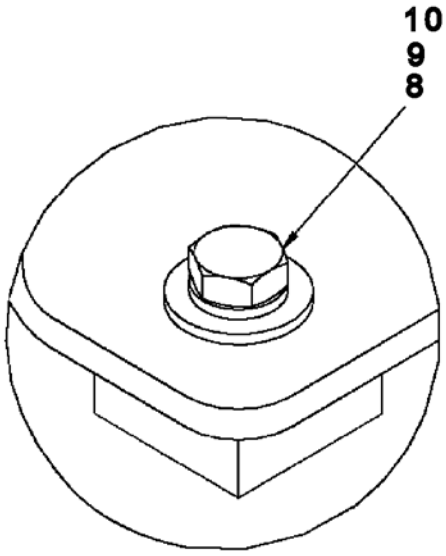
DETAIL C

TB2657656795 REV 003

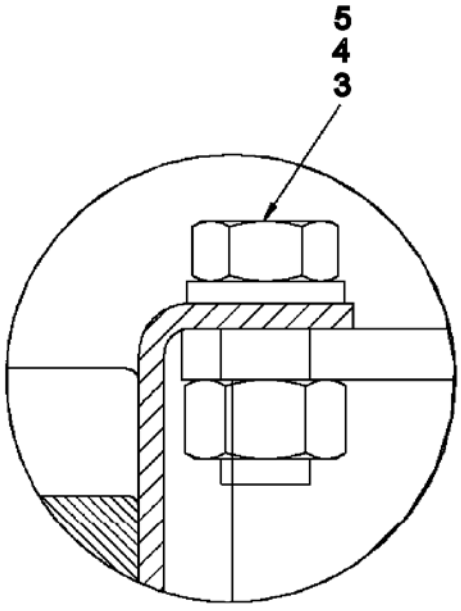
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57656795

57656795 VALVE,INSTL,6 SPOOL



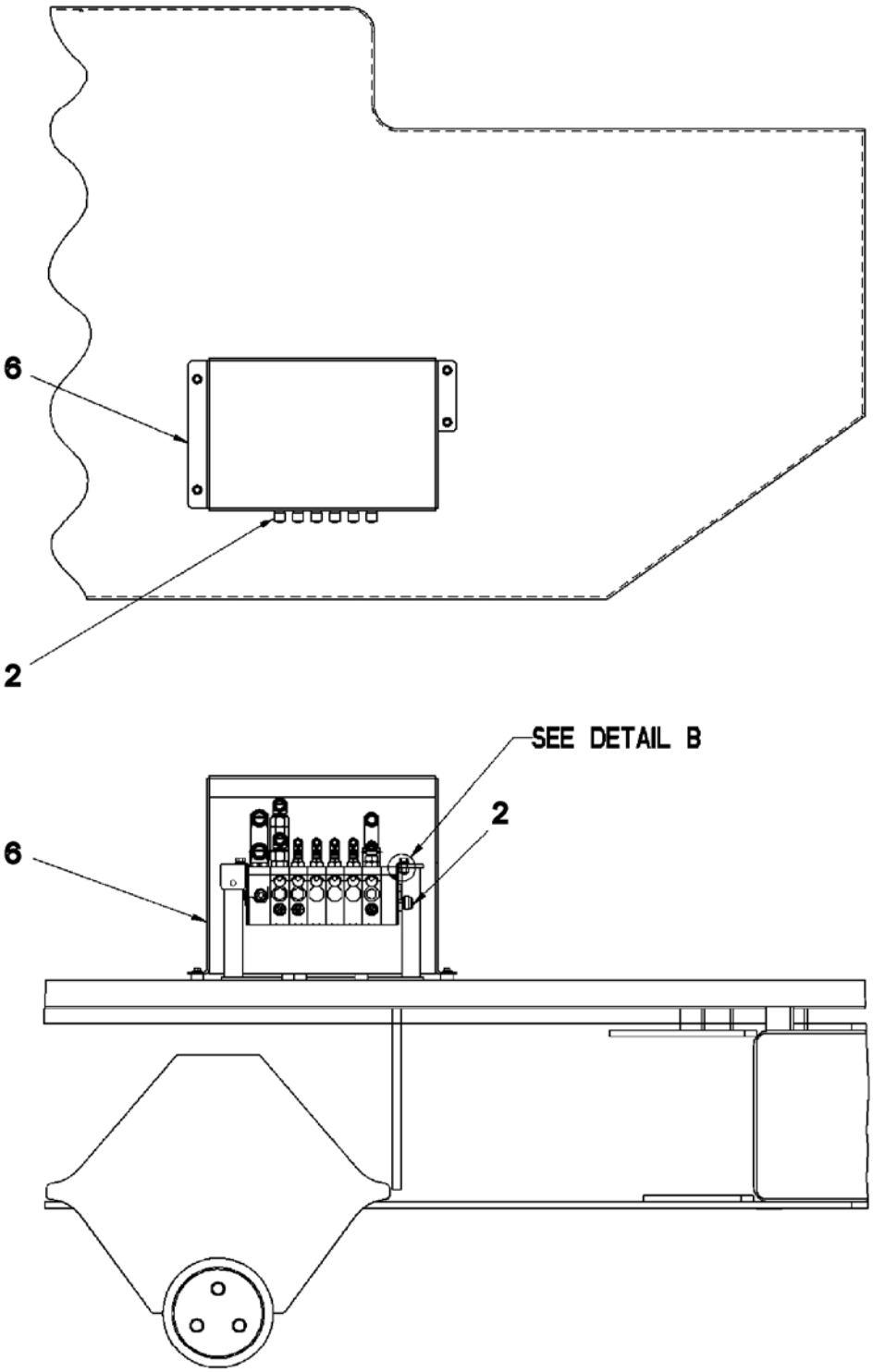
DETAIL A



DETAIL B

TB2657656795 REV 003

57656795 VALVE,INSTL,6 SPOOL



TB2657656795 REV 003

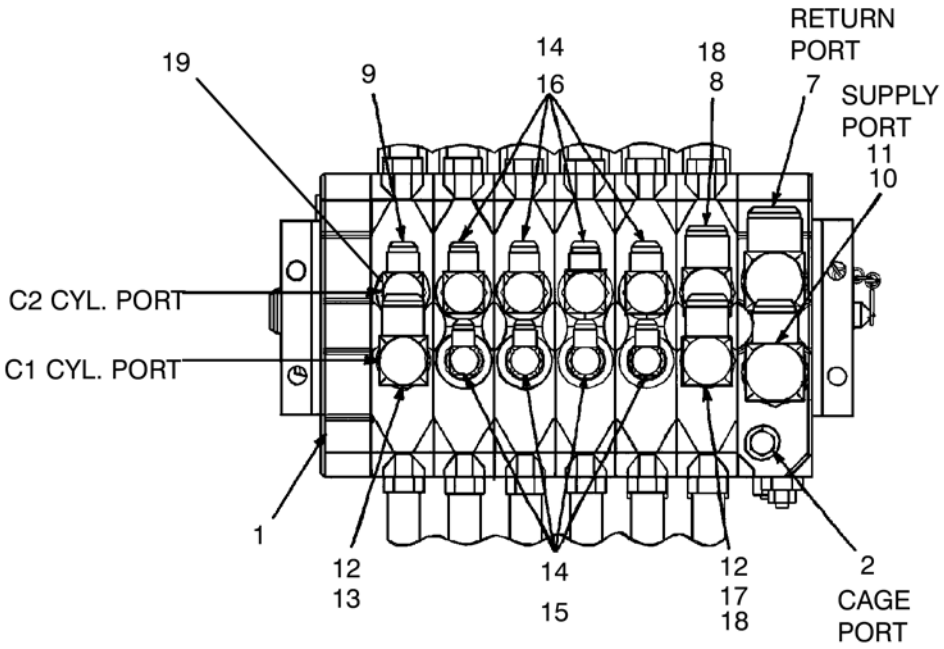
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57656795

57656795 VALVE,INSTL,6 SPOOL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57656787	1.0	EA	VALVE,ASSEMBLY,6 SPOOL	**See Page 448**
003.0	95104006	4.0	EA	CAPSCREW	
004.0	95081865	4.0	EA	WASHER,LOCK	
005.0	95077772	4.0	EA	NUT,HEX	
006.0	57656761	1.0	EA	COVER,6 SPOOL VALVE	
008.0	95922183	4.0	EA	WASHER,FLAT	
009.0	95934766	4.0	EA	WASHER,LOCK,HELICAL	
010.0	95958351	4.0	EA	CAPSCREW	
011.0	52240959	4.0	EA	PLATE,TAPPED	

57656787 VALVE,ASSEMBLY,6 SPOOL

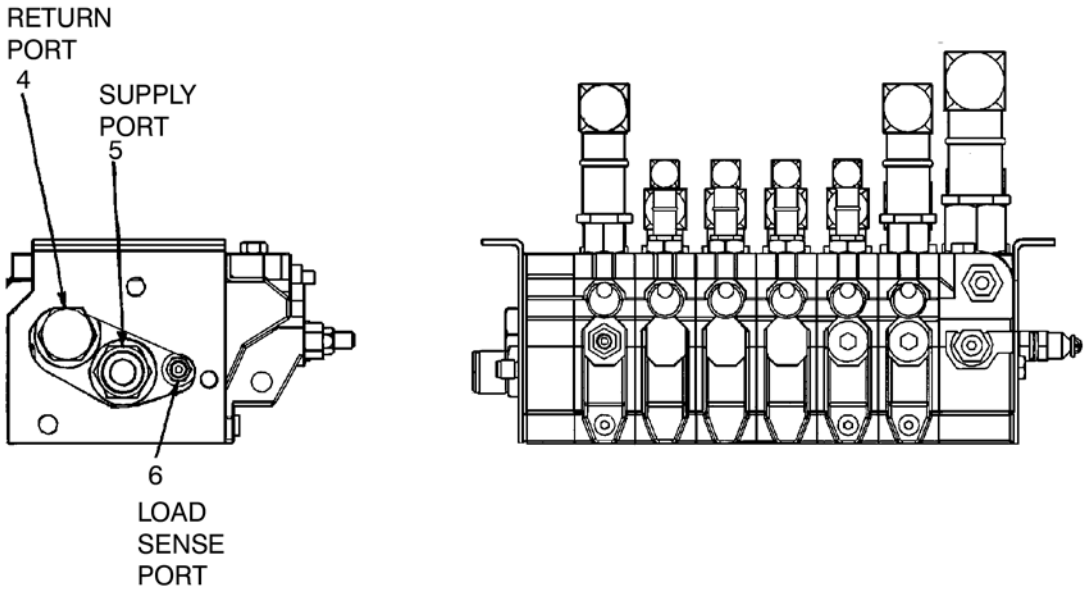


D2657656787 REV 003

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

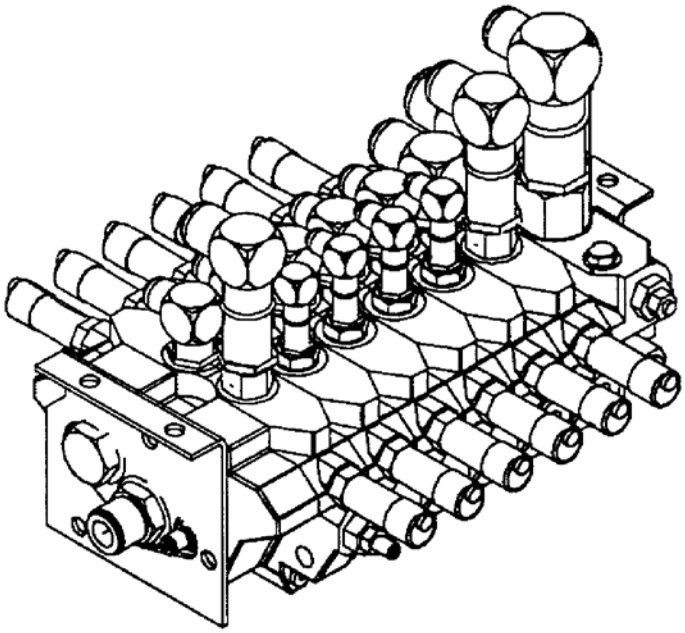
BOM 57656787

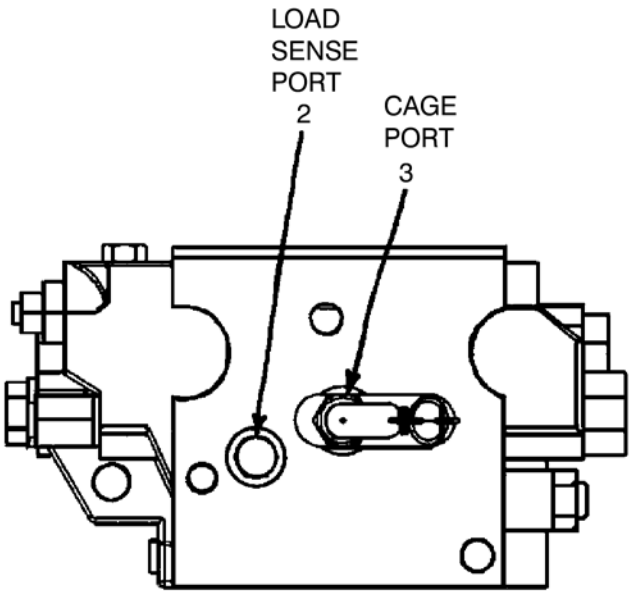
57656787 VALVE,ASSEMBLY,6 SPOOL



D2657656787 REV 003

57656787 VALVE,ASSEMBLY,6 SPOOL





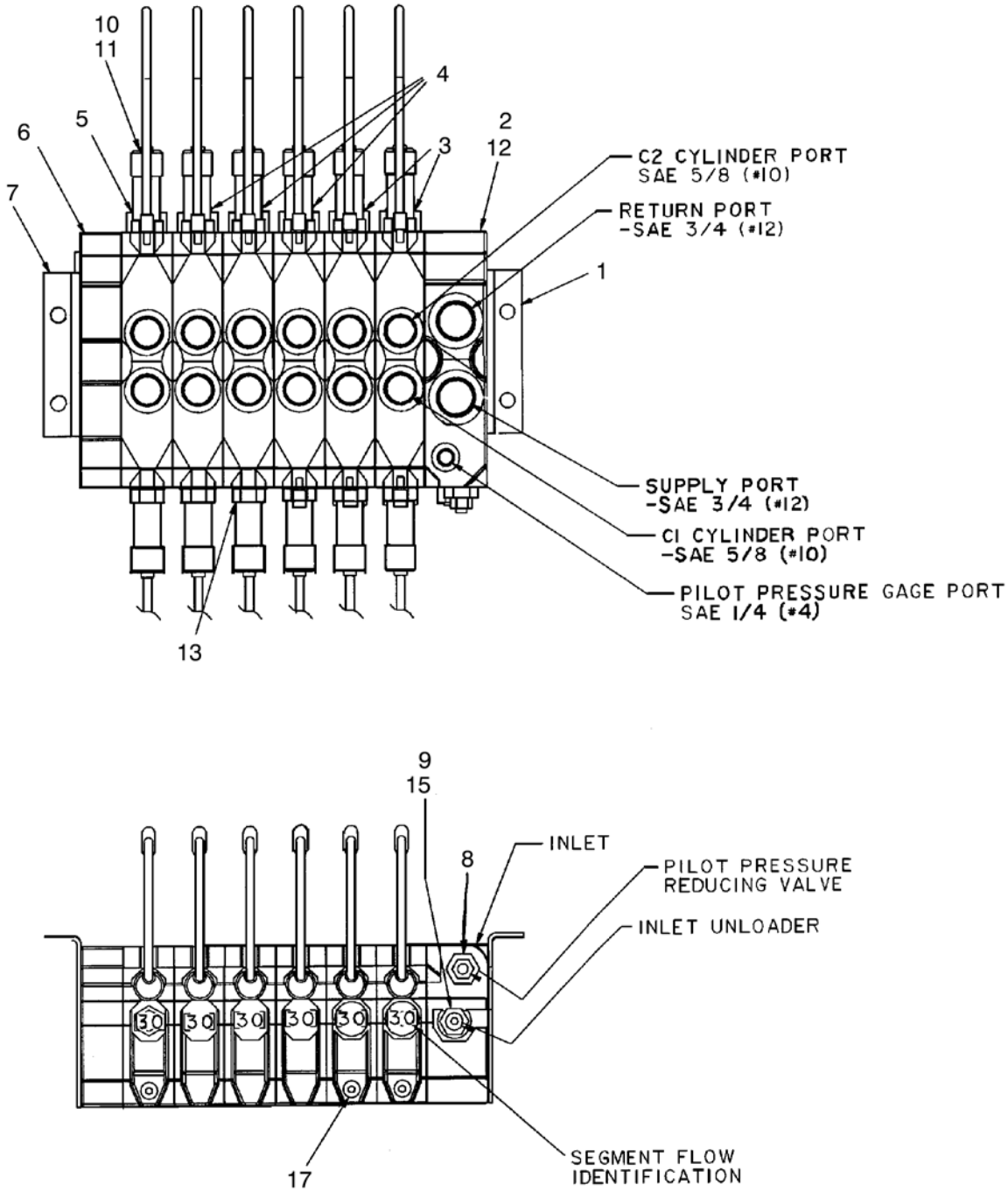
D2657656787 REV 003

BOM 57656787

57656787 VALVE,ASSEMBLY,6 SPOOL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57581894	1.0	EA	VALVE ASSY,VPL6	**See Page 452**
002.0	95323366	2.0	EA	PLUG,HEX HEAD,STRT THRD	
003.0	57328676	1.0	EA	FITTING,TEST	
004.0	95280541	1.0	EA	FITTING,HYD	
005.0	95356960	1.0	EA	CONNECTOR,STRT THRD	
006.0	95365086	1.0	EA	CONNECTOR,STRT THRD	
007.0	95368890	1.0	EA	ELBOW,90 DEG,STRT THRD	
008.0	95303392	1.0	EA	CONNECTOR,STRT THRD	
009.0	95303350	1.0	EA	ELBOW	
010.0	95708301	1.0	EA	ADAPTER	
011.0	95676417	1.0	EA	FITTING HYD-90	
012.0	95708293	2.0	EA	FITTING, O-RING ADAPTER	
013.0	95090601	1.0	EA	FITTING,HYD	
014.0	95147997	8.0	EA	REDUCER,SAE O-RING 10-6	
015.0	95188405	4.0	EA	FITTING,HYD	
016.0	95329975	4.0	EA	ELBOW,90 DEG STRT THRD	
017.0	56923311	1.0	EA	FITTING HYD	
018.0	95302147	2.0	EA	ELBOW,90 DEG SWIVEL NUT	
019.0	95426235	1.0	EA	REDUCER, O-RING	

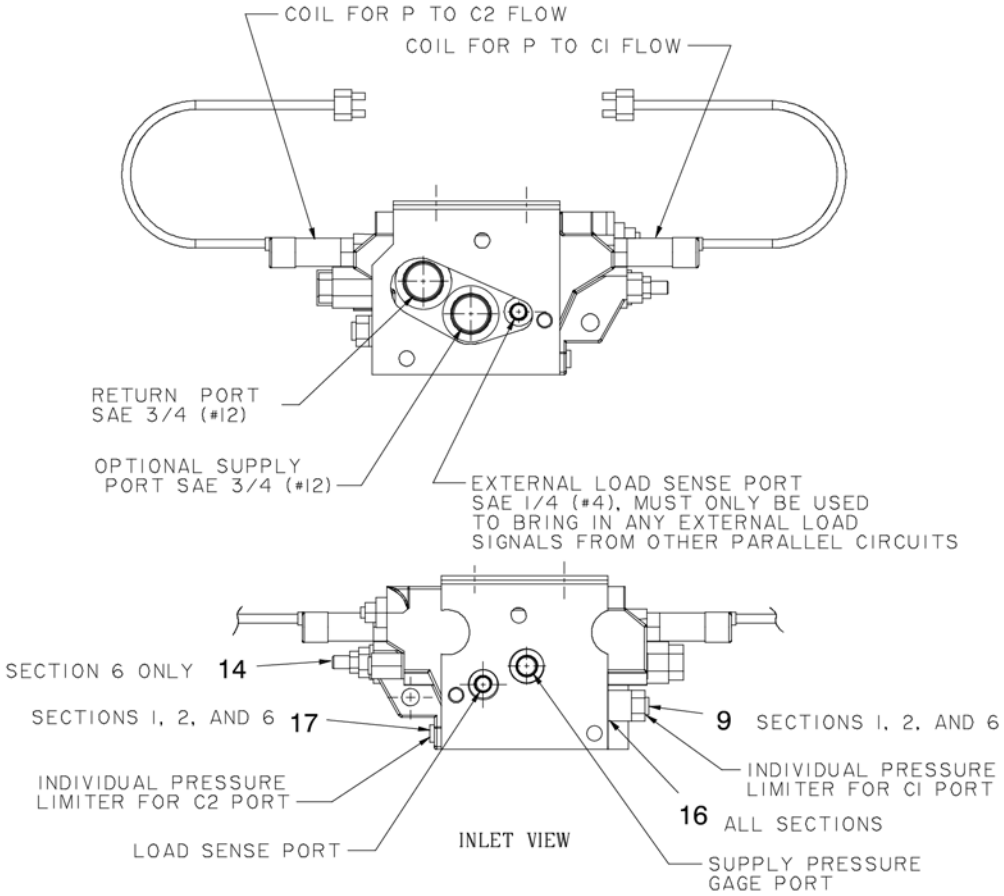
57581894 VALVE ASSY,VPL6



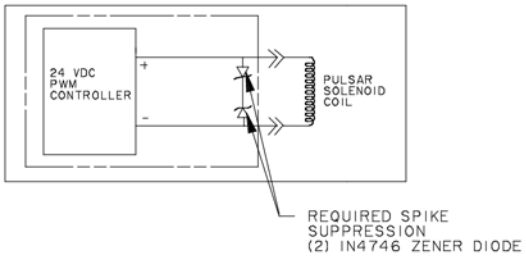
E2657581894 REV 001

BOM 57581894

57581894 VALVE ASSY,VPL6



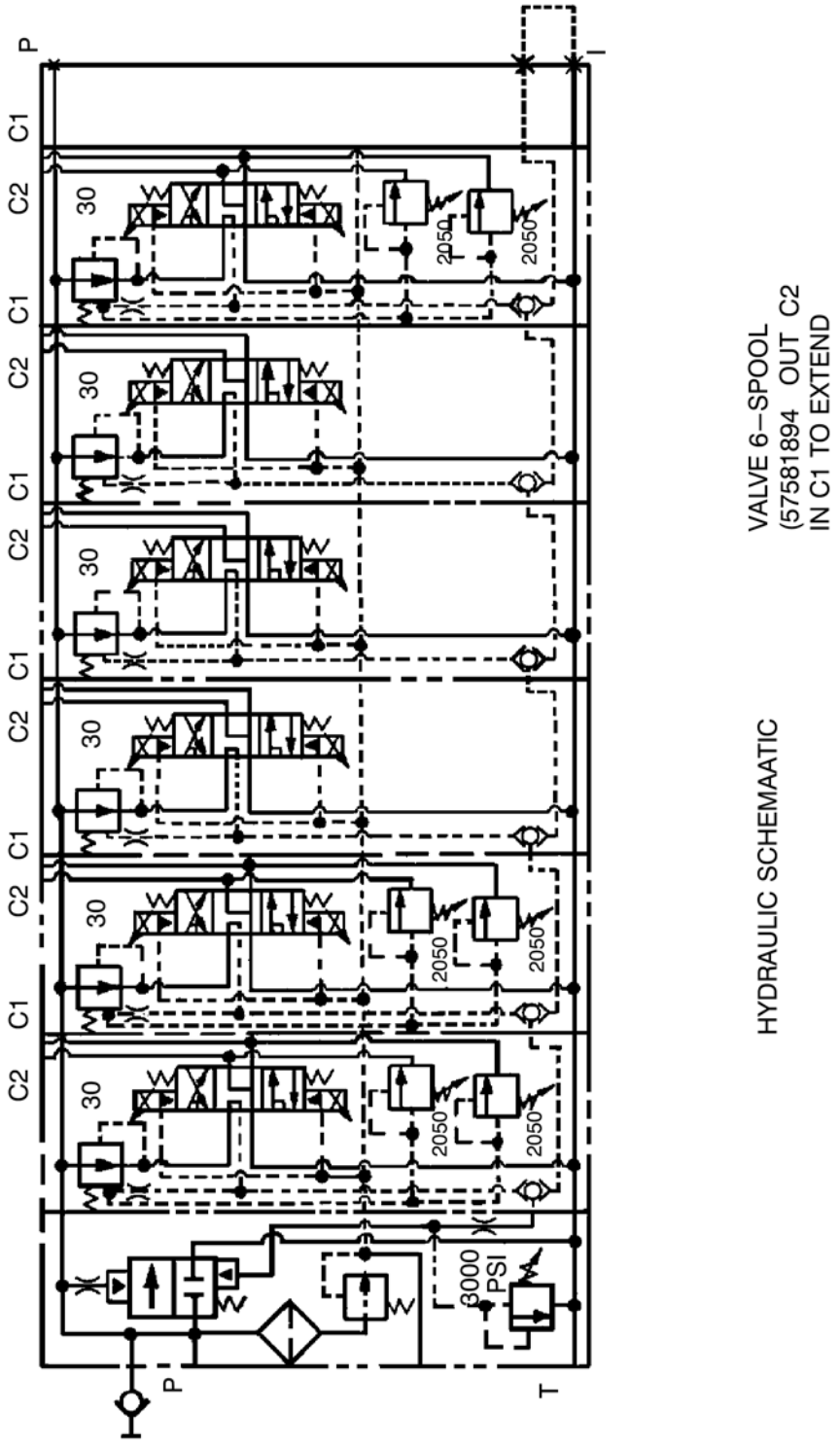
SPOOL	TYPE	COILS	P LIMITERS	RELIEFS	FLOW	Q LIMITERS (SET)
1	OPEN	PROPORTIONAL	CI,C2	NONE	30	NONE
2	OPEN	PROPORTIONAL	CI,C2	NONE	30	NONE
3	OPEN	PROPORTIONAL	NONE	NONE	30	NONE
4	OPEN	PROPORTIONAL	NONE	NONE	30	NONE
5	OPEN	PROPORTIONAL	NONE	NONE	30	NONE
6	OPEN	PROPORTIONAL	CI,C2	NONE	30	C2 STOP



ELECTRICAL SCHEMATIC

E2657581894 REV 001

57581894 VALVE ASSY,VPL6



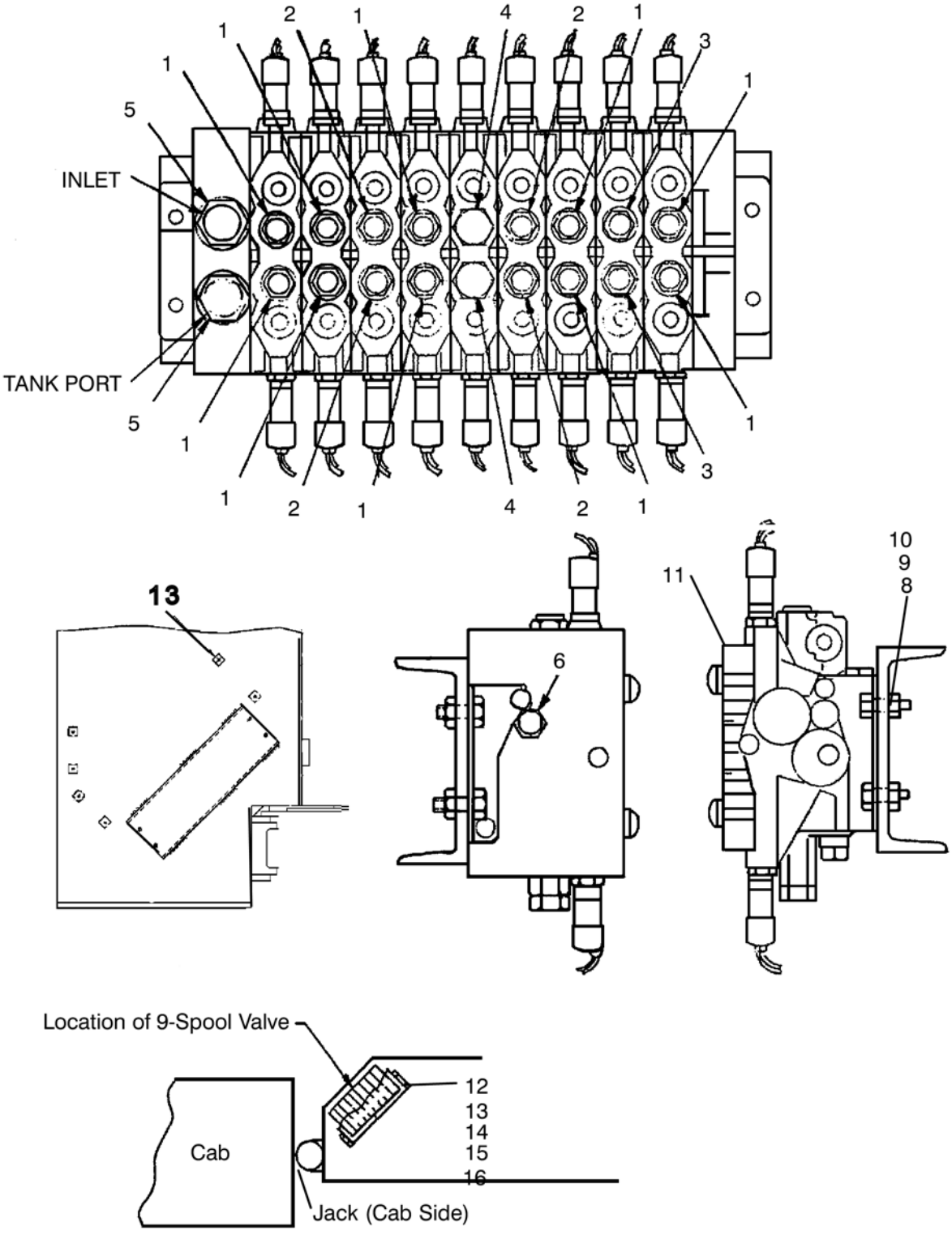
E2657581894 REV 001

BOM 57581894

57581894 VALVE ASSY,VPL6

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57639247	1.0	EA	BRACKET,INLET MOUNT	
002.0	57639254	1.0	EA	SECTION,INLET,UNLOADING	
003.0	57639262	2.0	EA	SECTION,VPL30 W/LIMITER	
004.0	57639270	3.0	EA	SECTION,VPL30 W/O LIMIT	
005.0	57640153	1.0	EA	SECTION,VPL30 W/LIM&Q	
006.0	57640161	1.0	EA	SECTION,VPL6 OUT W/BOLTS	
007.0	57640179	1.0	EA	BRACKET,OUTLET MOUNT	
008.0	57730509	1.0	EA	VALVE,PILOT REDUCING	
009.0	57394843	4.0	EA	KIT, RELIEF VALVE	
010.0	57394926	12.0	EA	PULSAR, 24V W/WEATHERPAK	
011.0	57395048	12.0	EA	KIT, PULSAR SEAL	
012.0	57394868	1.0	EA	KIT,INLET SECTION SEAL	
013.0	57394876	6.0	EA	KIT,WORK SECTION SEAL	
014.0	57640187	1.0	EA	KIT, SAE8 SPOOL STOP	
015.0	57640195	1.0	EA	KIT,UNLOADER SPOOL	
016.0	54580709	6.0	EA	KIT,SPOOL,COMPENSATOR	
017.0	57640203	3.0	EA	KIT,C2 PRESSURE LIMITER	

57535908 VALVE,9 SPOOL-INST,ELEC



C2657535908 REV 005

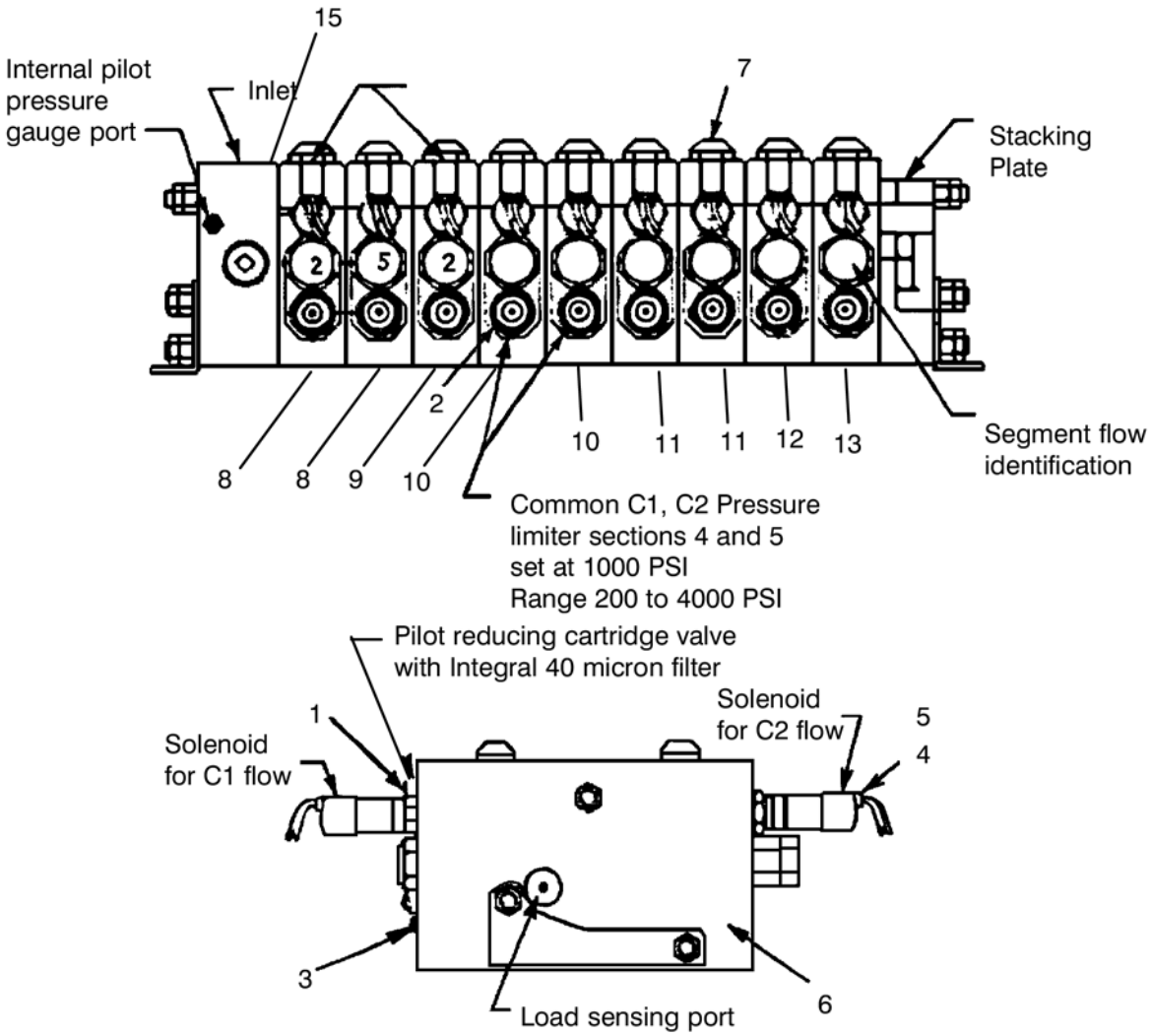
BOM 57535908

57535908 VALVE,9 SPOOL-INST,ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	95356903	10.0	EA	CONNECTOR,STRT THRD	
002.0	95419594	4.0	EA	CONNECTOR,STRT THRD	
003.0	95303368	2.0	EA	CONNECTOR,STRT THRD	
004.0	95323465	2.0	EA	PLUG,HEX HEAD,STRT THRD	
005.0	95356960	2.0	EA	CONNECTOR,STRT THRD	
006.0	95365086	1.0	EA	CONNECTOR,STRT THRD	
008.0	95920682	4.0	EA	CAPSCREW,HEX	
009.0	95922654	4.0	EA	WASHER,LOCK	
010.0	95922894	4.0	EA	NUT,HEX	
011.0	57394991	1.0	EA	VALVE,9-SPOOL,24V COILS	**See Page 458**
012.0	57536997	1.0	EA	COVER, VALVE -9 SPOOL	
013.1	52240959	4.0	EA	PLATE,TAPPED	
014.1	95958351	4.0	EA	CAPSCREW	
015.1	95959128	4.0	EA	LOCKWASHER (REG.)	
016.0	95922183	4.0	EA	WASHER,FLAT	

57394991 VALVE,9-SPOOL,24V COILS

14 KIT,SPOOL,COMPENSATOR (NOT SHOWN)



E2657394991 REV 004

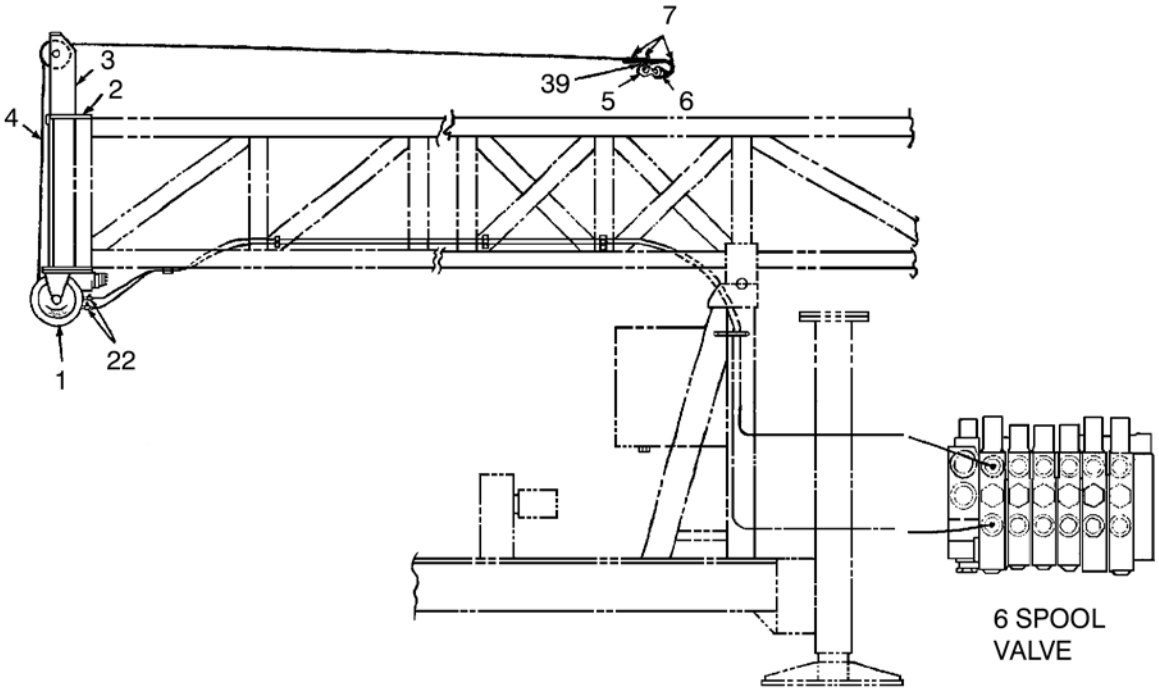
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57394991

57394991 VALVE,9-SPOOL,24V COILS

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57730509	1.0	EA	VALVE,PILOT REDUCING	
002.1	57394843	2.0	EA	KIT, RELIEF VALVE	
003.0	57394850	18.0	EA	SCREW,SET,STROKE LIMIT	
004.0	57394926	18.0	EA	PULSAR, 24V W/WEATHERPAK	
005.0	57395048	18.0	EA	KIT, PULSAR SEAL	
006.0	57394868	1.0	EA	KIT,INLET SECTION SEAL	
007.0	57394876	9.0	EA	KIT,WORK SECTION SEAL	
008.0	57466575	2.0	EA	SECTION, VALVE SPOOL	
009.0	57466583	1.0	EA	SECTION, VALVE	
010.0	57466567	2.0	EA	SECTION, VALVE SPOOL	
011.0	57466591	2.0	EA	SECTION, VALVE SPOOL	
012.0	57466609	1.0	EA	SECTION, VALVE SPOOL	
013.0	57466617	1.0	EA	SECTION, VALVE SPOOL	
014.0	54580709	1.0	EA	KIT,SPOOL,COMPENSATOR	
015.0	57731531	1.0	EA	INLET,SECTION	

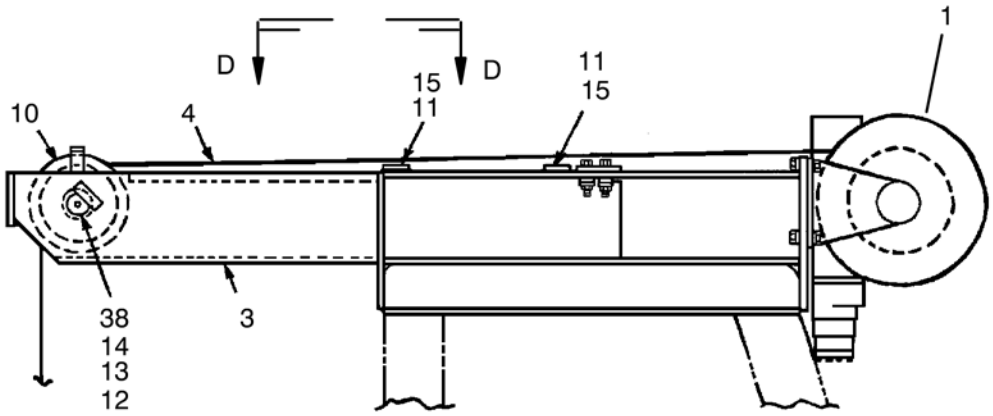
57558512 JIB,BOOM,DMC TOWER



TB2657558512 REV 002

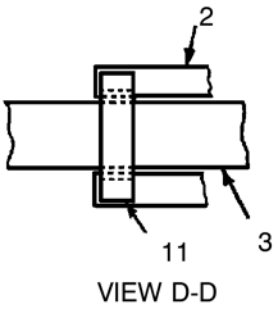
BOM 57558512

57558512 JIB,BOOM,DMC TOWER

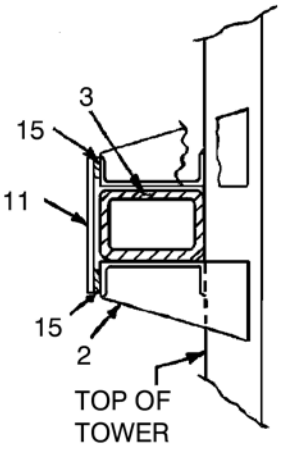


TB2657558512 REV 002

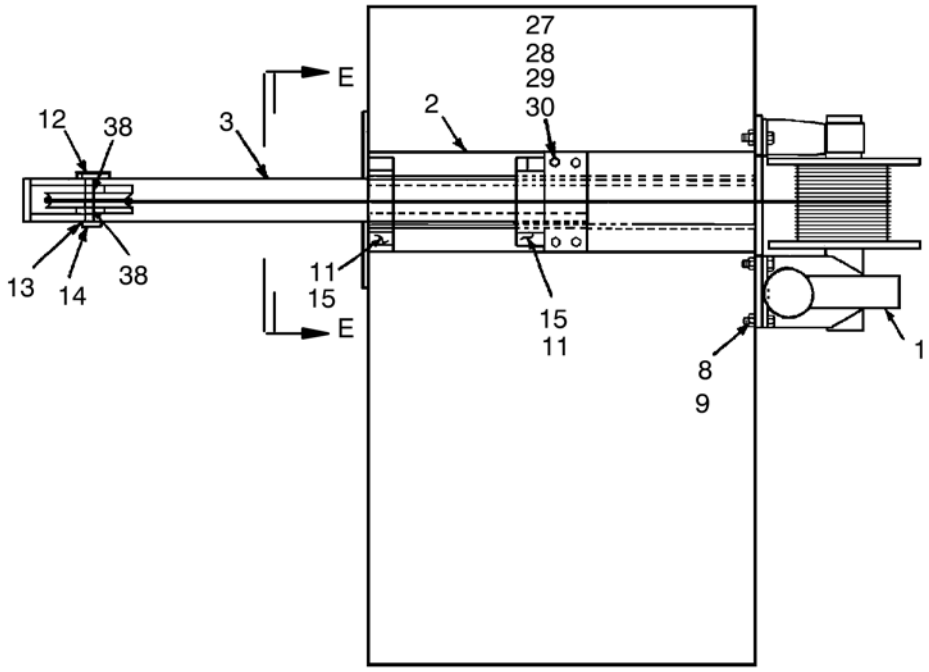
57558512 JIB,BOOM,DMC TOWER



VIEW D-D



VIEW E-E



TB2657558512 REV 002

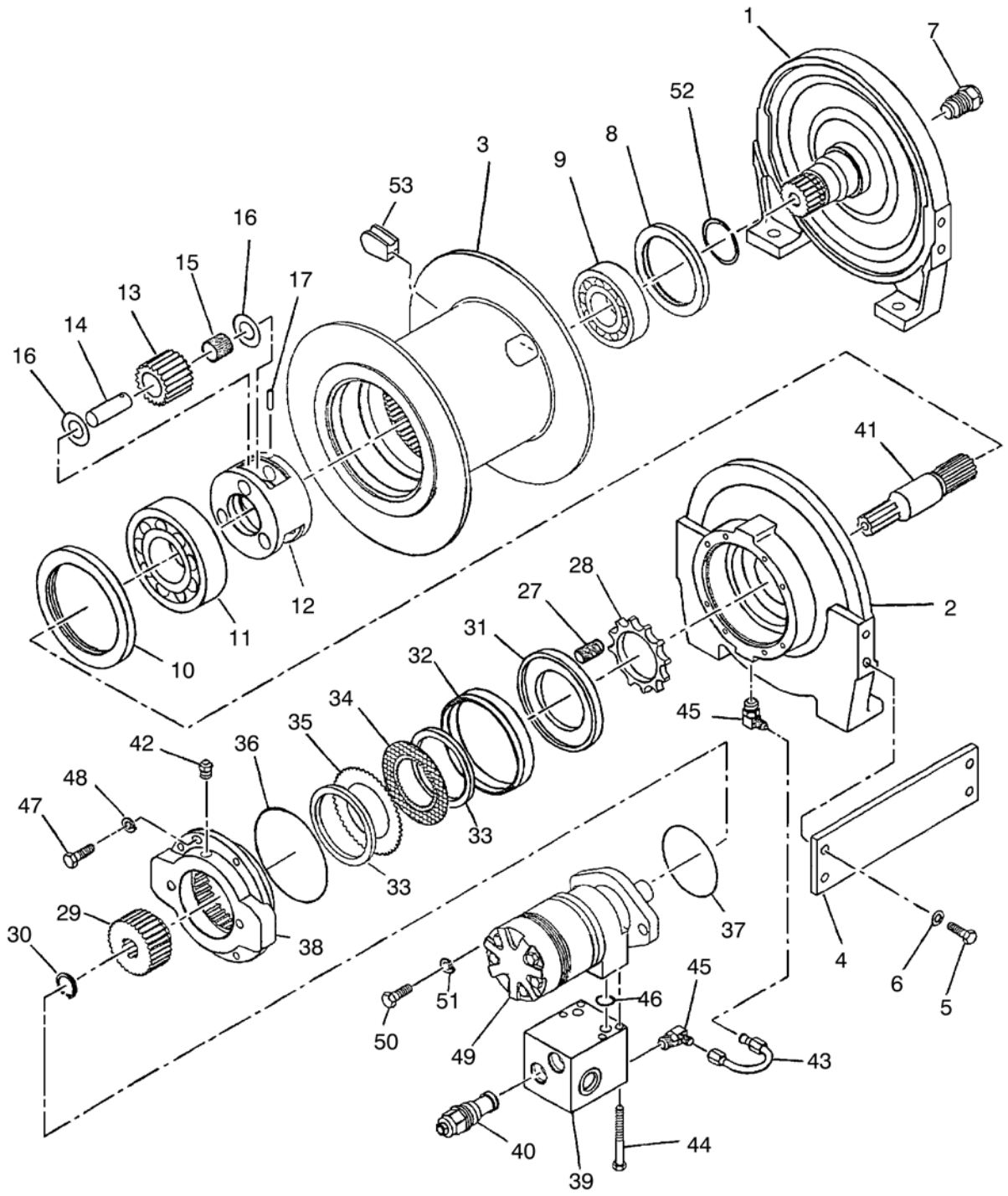
BOM 57558512

57558512 JIB,BOOM,DMC TOWER

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57626723	1.0	EA	WINCH ASM,4000#	**See Page 464**
002.0	57626939	1.0	EA	WINCH MOUNT	
003.0	57120271	1.0	EA	ARM, JIB HOIST-FIXED	
-	57264731	1.0	EA	- BAR	
004.0	57050379	1.0	EA	ROPE,WIRE-3/8 X 67'	
005.0	57200495	1.0	EA	SAFETY HOOK SWIVEL	
006.0	58060153	1.0	EA	THIMBLE, WIRE ROPE-3/8	
007.0	58060179	3.0	EA	CLAMP,CABLE	
008.0	95104204	6.0	EA	CAPSCREW,HEX	
009.0	95260055	6.0	EA	NUT,HEX LOCK	
010.0	50245810	1.0	EA	SHEAVE,WIRE	
011.0	57003634	2.0	EA	BAR, FLAT	
012.0	95201547	1.0	EA	FITTING,LUBE	
013.0	95093381	1.0	EA	PIN,COTTER	
014.0	57120339	1.0	EA	PIN, JIB ARM	
015.0	50258193	4.0	EA	PLATE, MOUNTING	
022.0	95376141	2.0	EA	ELBOW,90DEG STRT THRD	
027.0	95934451	4.0	EA	CAPSCREW,HEXHEAD,PLATED	
028.0	95922902	4.0	EA	NUT,HEX,FINISHED,PLATED	
029.0	95245767	4.0	EA	WASHER,BEVEL	
030.0	95081667	8.0	EA	WASHER,FLAT,WIDE	
038.0	57120347	2.0	EA	SPACER	
039.0	57146474	1.0	EA	LINK, SLING	

BOM 57626723

57626723 WINCH ASM,4000#



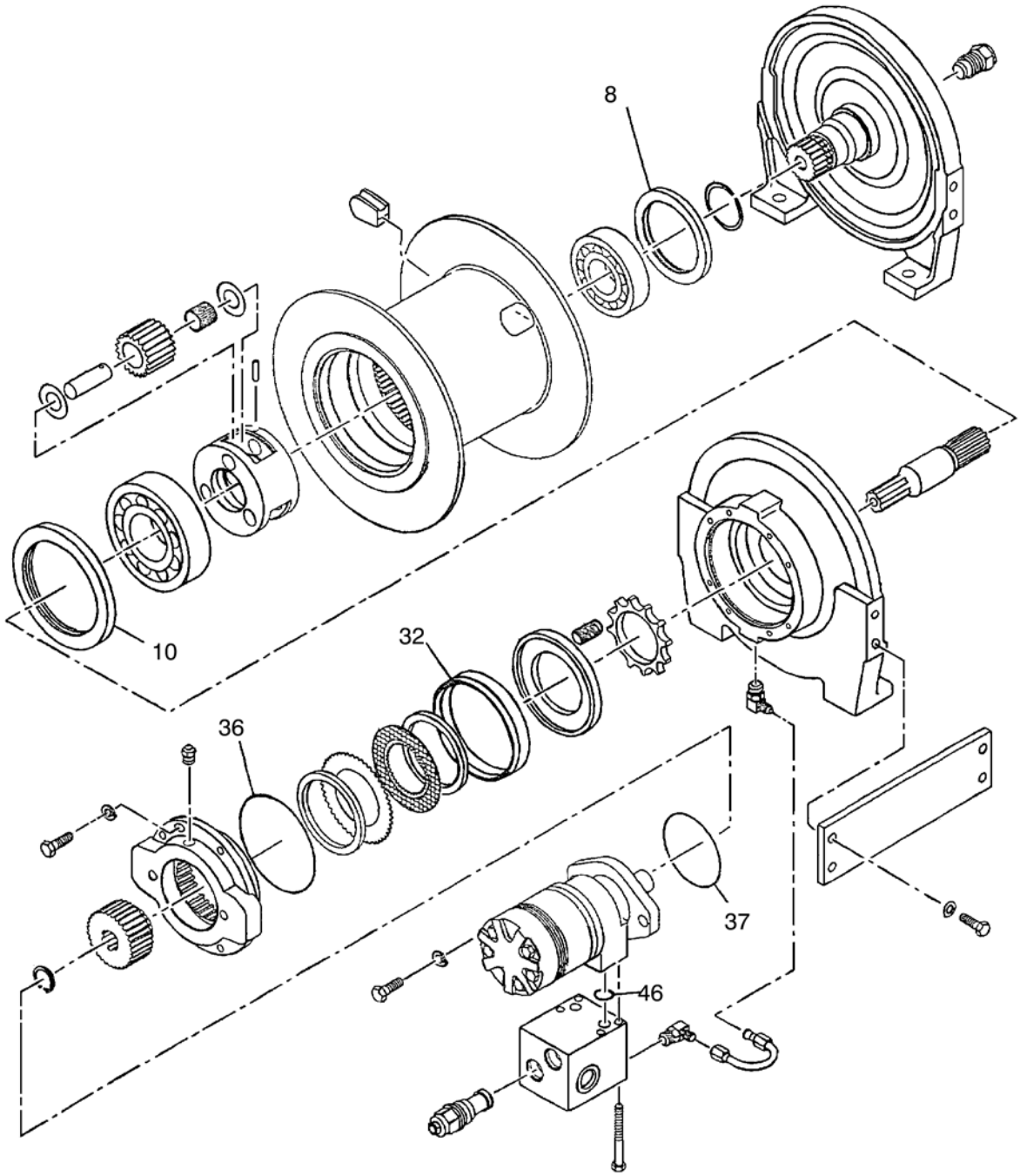
B2657626723 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57626723

57626723 WINCH ASM,4000#

000 KIT,SEAL INCLUDES THE FOLLOWING ITEMS: 8,10,32,36,37 & (2)–46



B2657626723 REV 001

BOM 57626723

57626723 WINCH ASM,4000#

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
000.0	57623374	1.0	EA	BG4A EXPLODED DWG	
000.0	57630402	1.0	EA	KIT,SEAL BG4A	
001.0	57630410	1.0	EA	PLATE,END BEARING SUPRT	
002.0	57630428	1.0	EA	PLATE,END BRAKE CYL	
003.0	57630436	1.0	EA	DRUM,CABLE	
004.0	57630444	1.0	EA	TIEPLATE	
005.0	56987266	1.0	EA	CAPSCREW	
006.0	56987233	1.0	EA	WASHER,LOCK	
007.0	57630451	1.0	EA	GAUGE,SIGHT	
008.0	57241325	1.0	EA	OIL SEAL-WINCH	
009.0	57353567	1.0	EA	BEARING, BALL	
010.0	57241333	1.0	EA	OIL SEAL-WINCH	
011.0	57630469	1.0	EA	BEARING,BALL	
012.0	57630477	1.0	EA	CARRIER,OUTPUT PLANET	
013.0	57630485	1.0	EA	GEAR,OUTPUT PLANET	
014.0	57630493	1.0	EA	SHAFT,GEAR OUTPUT PLANET	
015.0	57630501	1.0	EA	BEARING,ROLLER	
016.0	57630519	1.0	EA	RACE,THRUST	
017.0	57630527	1.0	EA	ROLLPIN	
027.0	57353880	1.0	EA	SPRING, BRAKE	
028.0	57630535	1.0	EA	LOCATOR,SPRING	
029.0	57630543	1.0	EA	COUPLING,BRAKE	
030.0	57630550	1.0	EA	RING,SNAP	
031.0	57353609	1.0	EA	SPRING PLATE	
032.0	57353617	1.0	EA	U-CUP SEAL	
033.0	57353849	1.0	EA	SPACER, BRAKE PLATE	
034.0	57353856	1.0	EA	FRICTION DISC	
035.0	57353872	1.0	EA	DISC, BRAKE	
036.0	57353674	1.0	EA	O-RING	
037.0	57511750	1.0	EA	O-RING	
038.0	57630568	1.0	EA	ADAPTER,MOTOR	
039.0	57630576	1.0	EA	BLOCK,BRAKE VALVE	
040.0	57632382	1.0	EA	CARTRIDGE,COUNTERBLNCE	
041.0	57632325	1.0	EA	GEAR,SUN	
042.0	52221389	1.0	EA	PLUG VENT	
043.0	57632333	1.0	EA	TUBE ASSEMBLY	
044.0	57632341	1.0	EA	CAPSCREW	
045.0	57213530	1.0	EA	FITTING, ELBOW	
046.0	57632358	1.0	EA	O-RING	
047.0	57353591	1.0	EA	CAPSCREW, HEX HD	
048.0	57353583	1.0	EA	LOCKWASHER	
049.0	57632366	1.0	EA	MOTOR,HYDRAULIC	

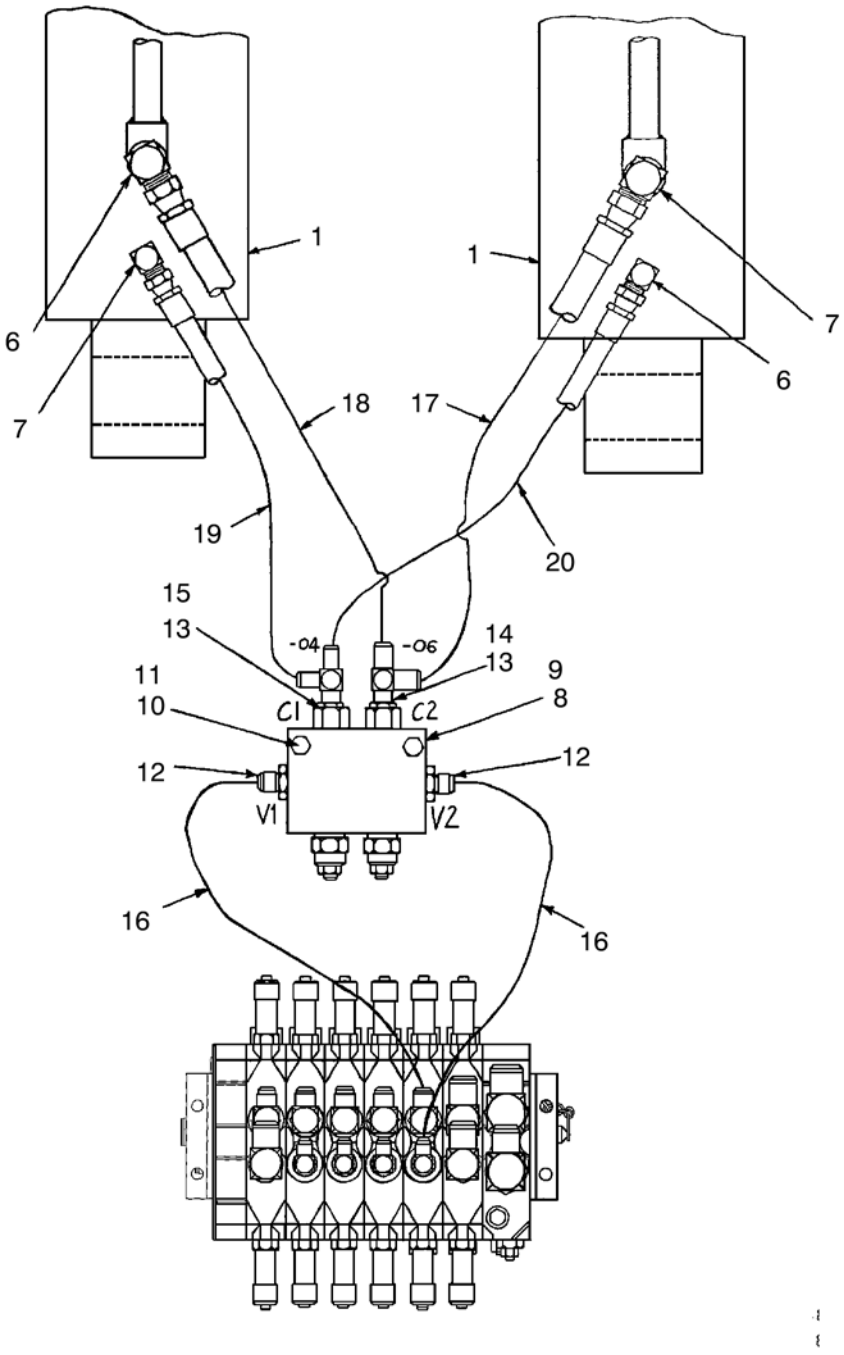
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57626723

57626723 WINCH ASM,4000#

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
050.0	52221355	1.0	EA	BOLT	
051.0	52221470	1.0	EA	LCKWSHR 1/2	
052.0	57316432	1.0	EA	RING, RETAINING	
053.0	57353716	1.0	EA	WEDGE, CABLE	

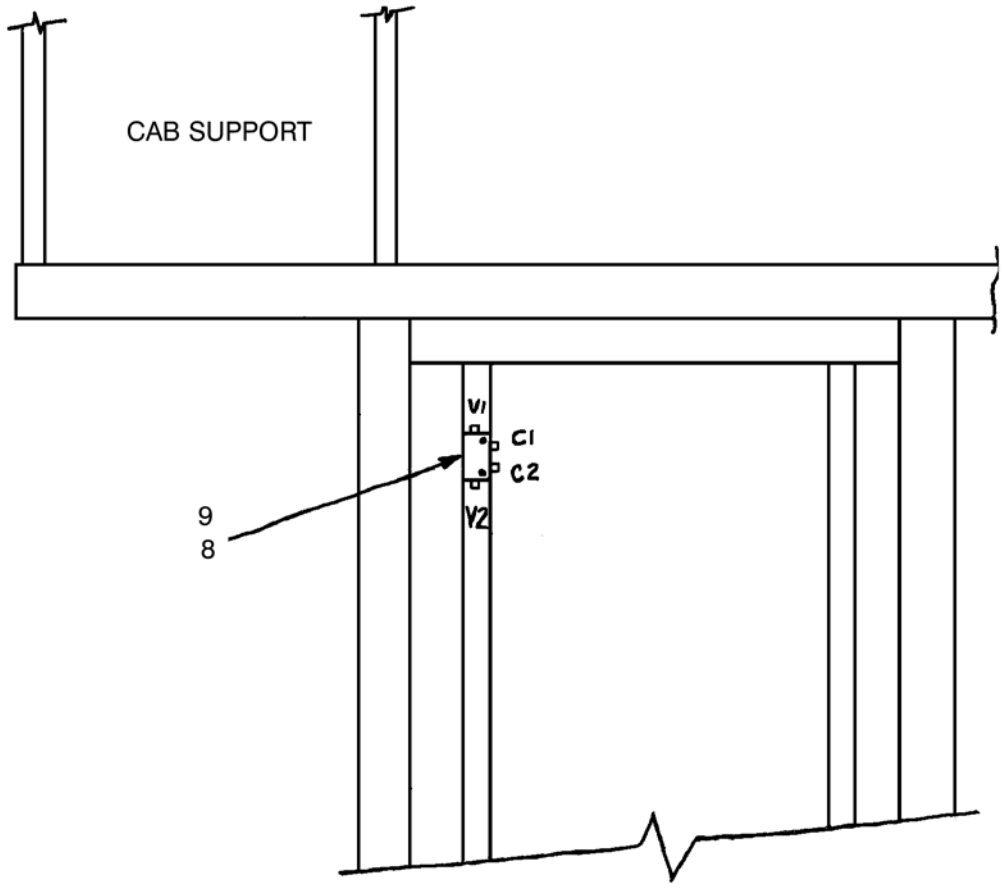
57656811 PIPING,TOWER RAISE/CYL



TB57656811 REV 004

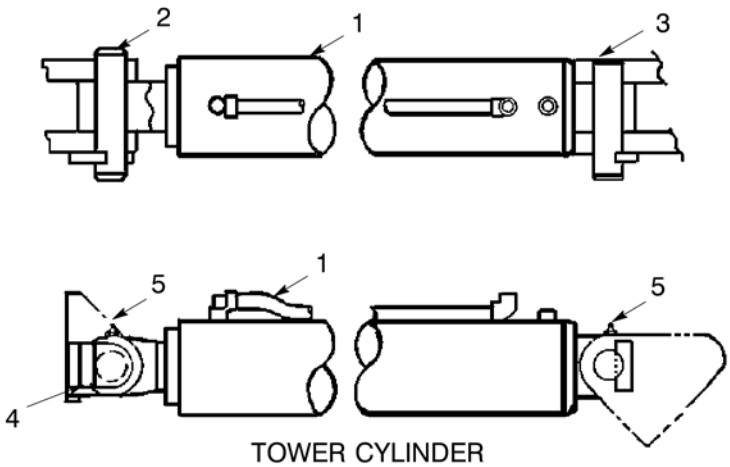
BOM 57656811

57656811 PIPING,TOWER RAISE/CYL



TB57656811 REV 004

57656811 PIPING,TOWER RAISE/CYL



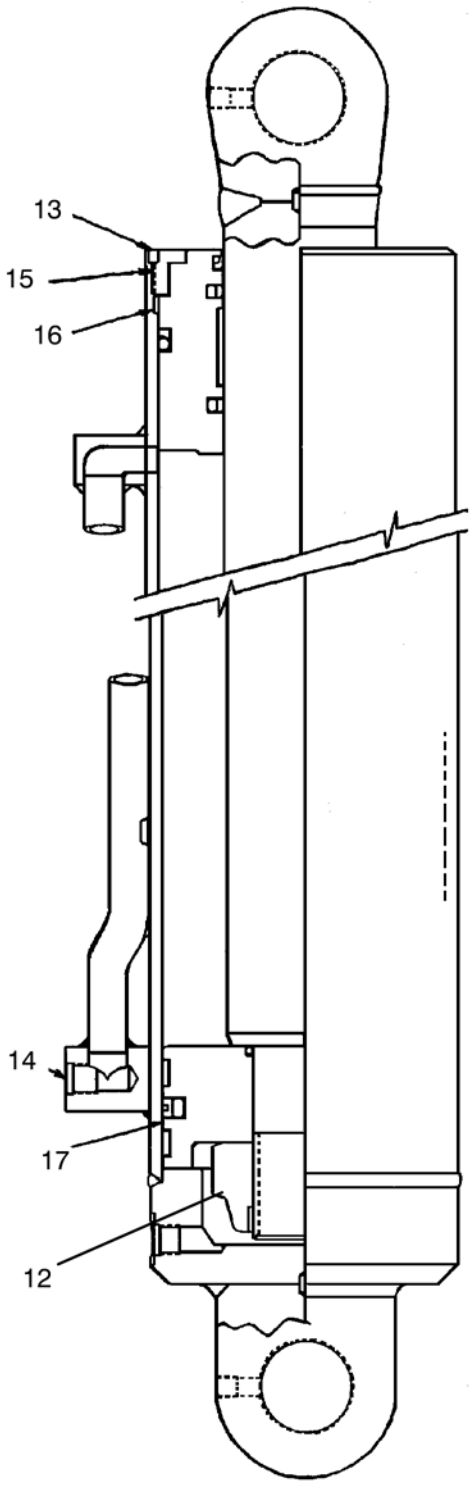
TOWER CYLINDER

BOM 57656811

57656811 PIPING,TOWER RAISE/CYL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	54578539	2.0	EA	CYLINDER,HYD-TWR RAISE	**See Page 472**
002.0	57591547	2.0	EA	PIN,TWR RAISE CYL-TOP	
003.0	57591554	2.0	EA	PIN,TWR RAISE CYL,BOTM	
004.0	50813575	4.0	EA	PLATE,LOCKING	
005.0	95201547	4.0	EA	FITTING,LUBE	
006.0	95329975	2.0	EA	ELBOW,90 DEG STRT THRD	
007.0	95365094	2.0	EA	ELBOW,90DEG,STRT THRD	
008.0	57273716	1.0	EA	VALVE, COUNTER BALANCE	
010.0	95943668	2.0	EA	CAPSCREW,HEX	
011.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
012.0	95356903	2.0	EA	CONNECTOR,STRT THRD	
013.0	95650156	2.0	EA	ADAPTER	
014.0	95188710	1.0	EA	TEE,37 DEGREE,STRT THRD	
015.0	95862371	1.0	EA	FITTING,HYD	
016.0	56957319	2.0	EA	HOSE ASSY	
017.0	57392953	1.0	EA	HOSE ASSY	
018.0	57042921	1.0	EA	HOSE ASSY	
019.0	57020752	1.0	EA	HOSE ASSY	
020.0	57010142	1.0	EA	HOSE ASSY	

54578539 CYLINDER,HYD-TWR RAISE



D2654578539 REV 001

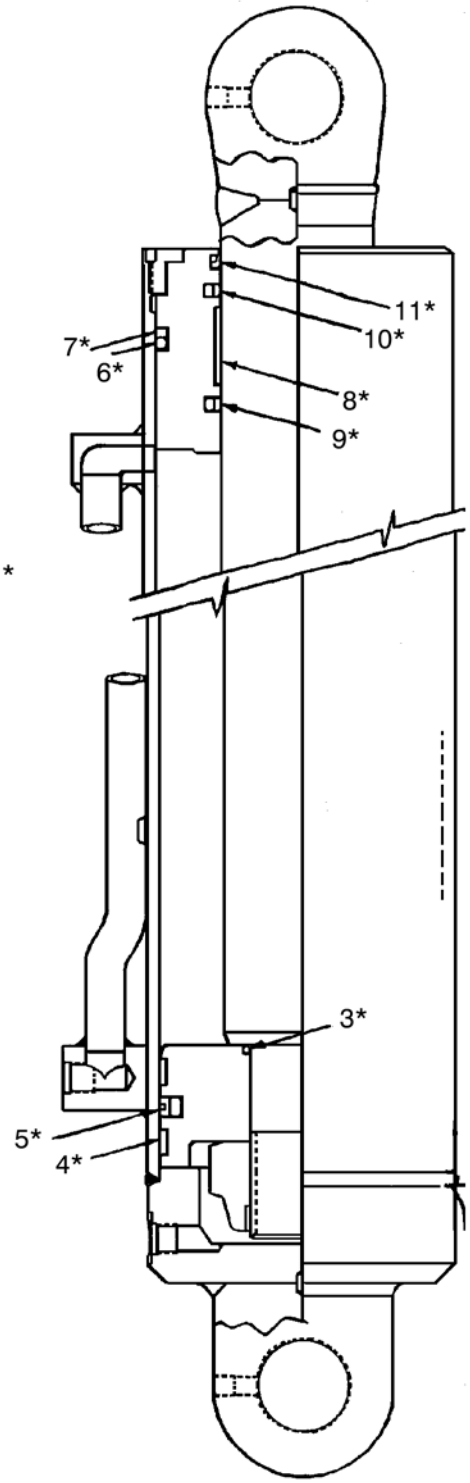
BOM 54578539

54578539 CYLINDER,HYD-TWR RAISE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57249450	1.0	EA	SEAL KIT	**See Page 474**
012.0	56944390	1.0	EA	LOCKNUT	
013.0	57357964	1.0	EA	SETSCREW	
014.0	57245284	2.0	EA	PORT PLUG	
015.0	57206971	1.0	EA	HEAD CAP	
016.0	57249518	1.0	EA	HEAD	
017.0	57357972	1.0	EA	PISTON	

57249450 SEAL KIT

1 – SEAL KIT CONSISTS OF *



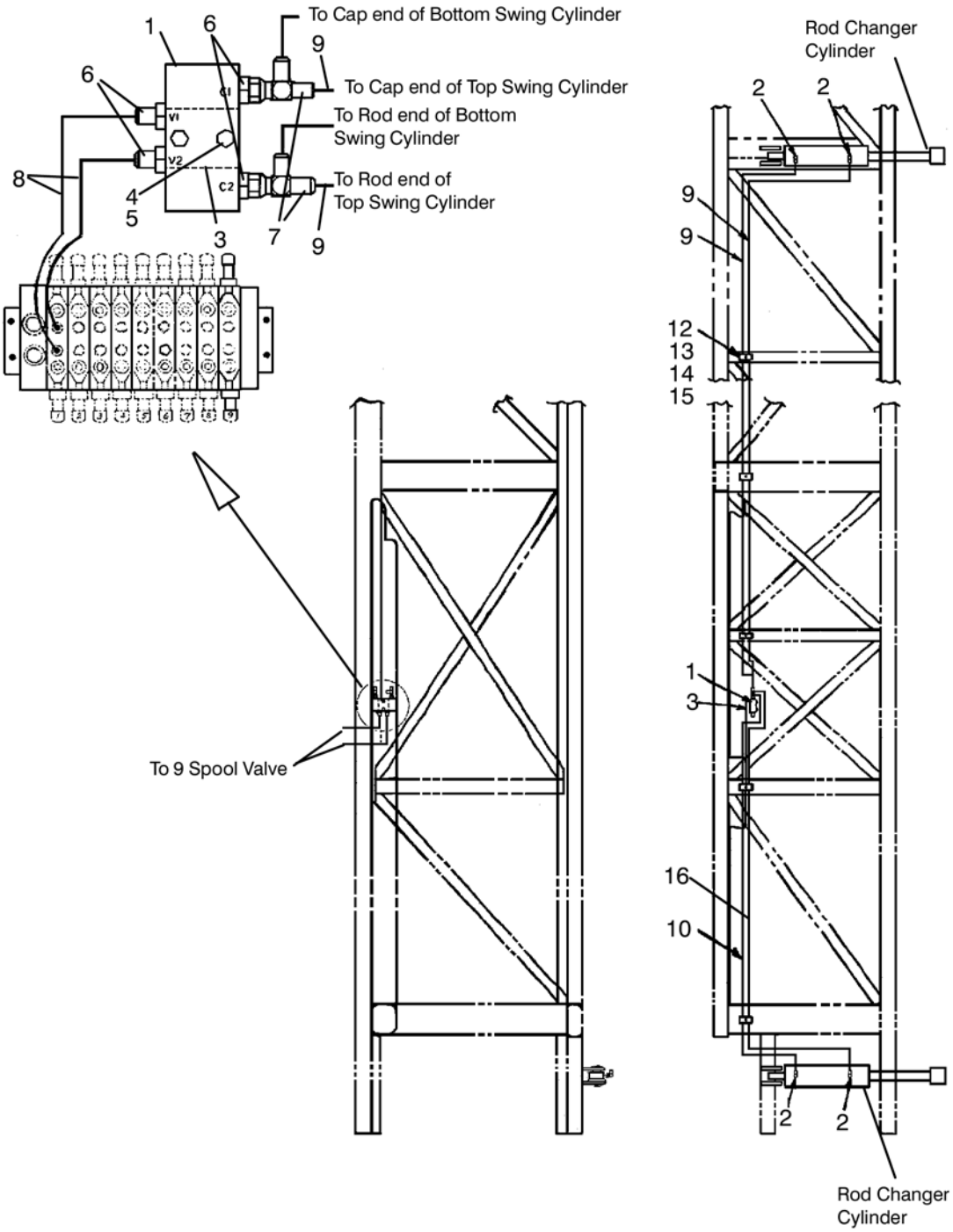
D2657249450 REV 000

BOM 57249450

57249450 SEAL KIT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
003.0	57249476	1.0	EA	O-RING	
004.0	57249484	2.0	EA	SLYDRING	
005.0	57249492	1.0	EA	SEAL ASSY, AQ	
006.0	57207029	2.0	EA	O-RING	
006.0	57249492	1.0	EA	SEAL ASSY, AQ	
007.0	57207011	1.0	EA	BACK-UP RING	
008.0	57431025	1.0	EA	WEAR RING	
009.0	57431017	1.0	EA	SEAL	
010.0	54533724	1.0	EA	STEPSEAL	
011.0	54533732	1.0	EA	EXCLUDER	

56245681 PIPING,ROD CHGR, 35'ELEC



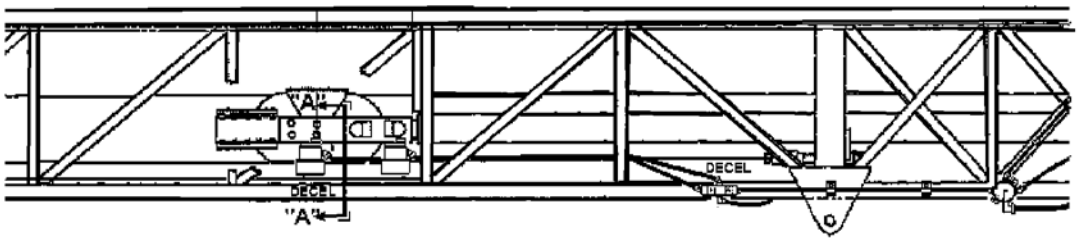
BOM 56245681

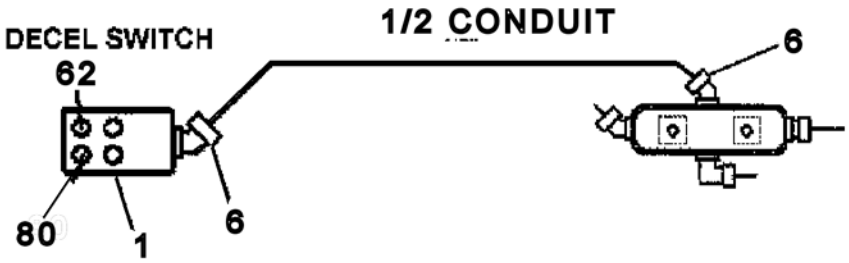
56245681 PIPING,ROD CHGR, 35'ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50462944	1.0	EA	VALVE,CHECK-DBL PILOTOP	
002.0	95356903	4.0	EA	CONNECTOR,STRT THRD	
004.0	95943668	2.0	EA	CAPSCREW,HEX	
005.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
006.0	95329975	4.0	EA	ELBOW,90 DEG STRT THRD	
007.0	95415667	2.0	EA	FITTING, HYD	
008.0	56955776	2.0	EA	HOSE ASSY	
009.0	57157422	2.0	EA	HOSE ASSY	
010.0	56957319	1.0	EA	HOSE ASSY	
012.0	50034826	10.0	EA	CLAMP,HOSE,HALF	
013.0	95934782	5.0	EA	CAPSCREW	
014.0	95934766	5.0	EA	WASHER,LOCK,HELICAL	
015.0	95931564	5.0	EA	NUT,HEX,FINISHED	
016.0	56994510	1.0	EA	HOSE ASSY	

57519902 SWITCH-HEAD DECEL

30 FT. TOWER WITHOUT HOLDBACK VALVE



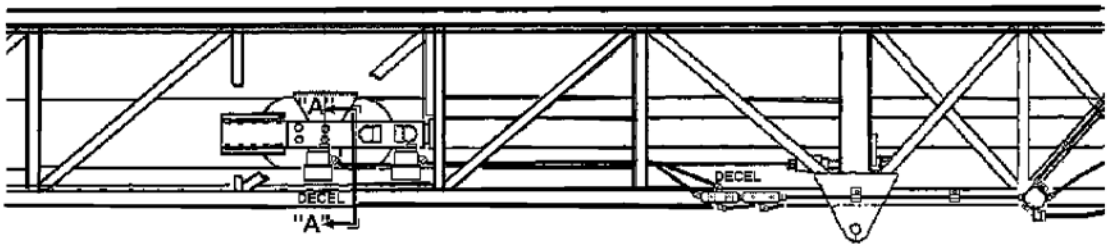


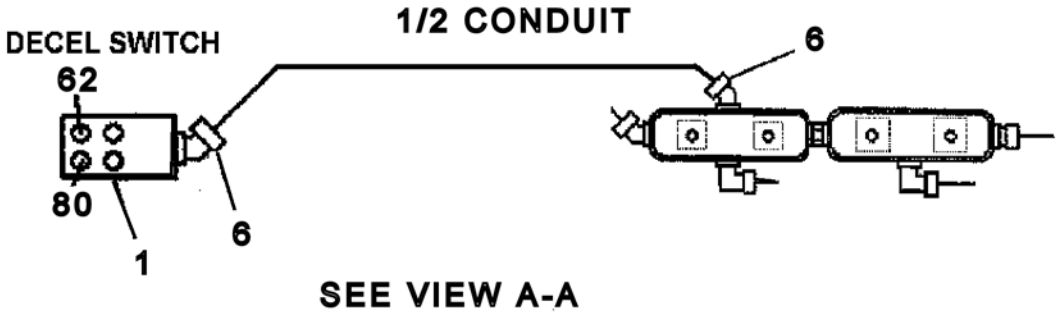
SEE VIEW A-A

BOM 57519902

57519902 SWITCH-HEAD DECEL

30 FT. TOWER WITH HOLDBACK VALVE

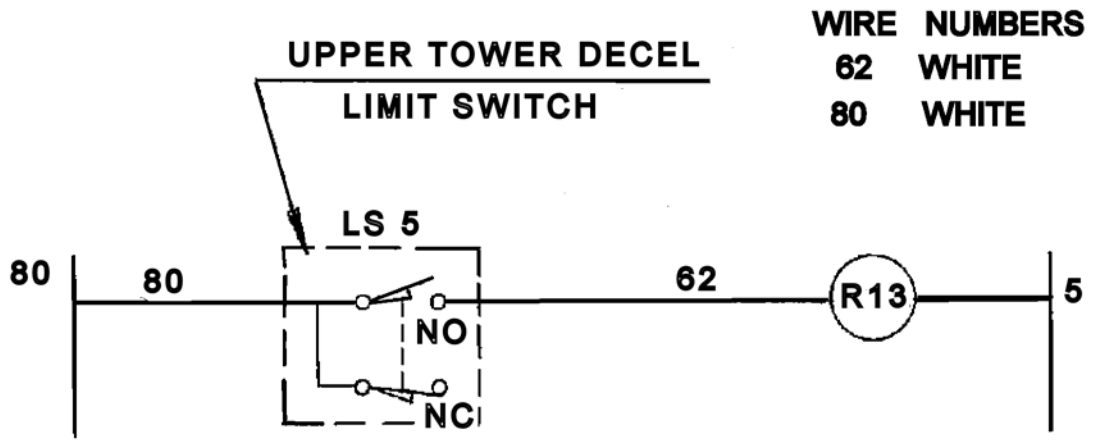


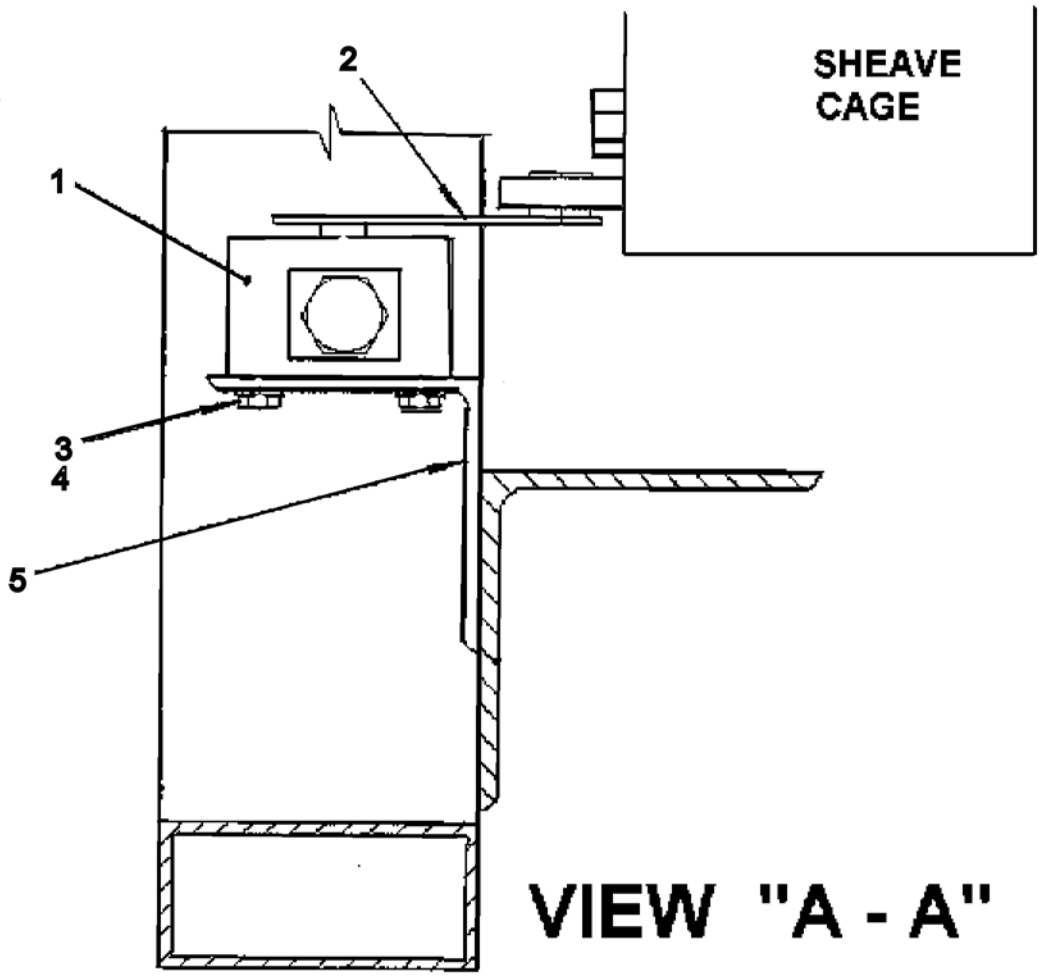


C2657519902 REV 001

BOM 57519902

57519902 SWITCH-HEAD DECEL





C2657519902 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

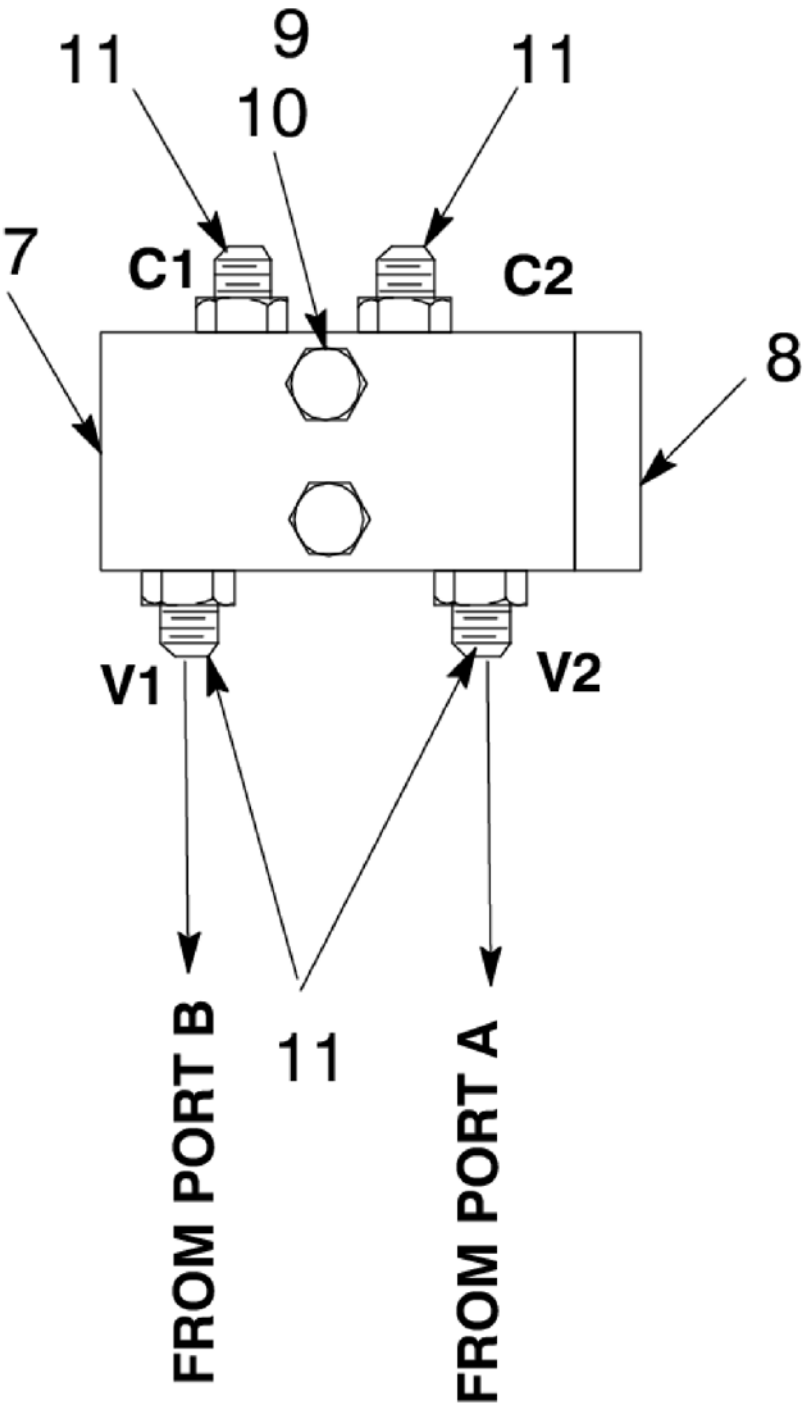
BOM 57519902

57519902 SWITCH-HEAD DECEL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50518653	1.0	EA	SWITCH,LIMIT	
002.0	57194987	1.0	EA	ARM,ADJUSTABLE	
003.0	95934816	4.0	EA	CAPSCREW,HEX	
004.0	95934766	4.0	EA	WASHER,LOCK,HELICAL	
005.0	57391641	1.0	EA	BRACKET,MICRO SWITCH	
006.0	95368536	2.0	EA	CONNECTOR,1/2,45 DEG	

BOM 57535858

57535858 WRENCH CYL.INSTL-ELEC

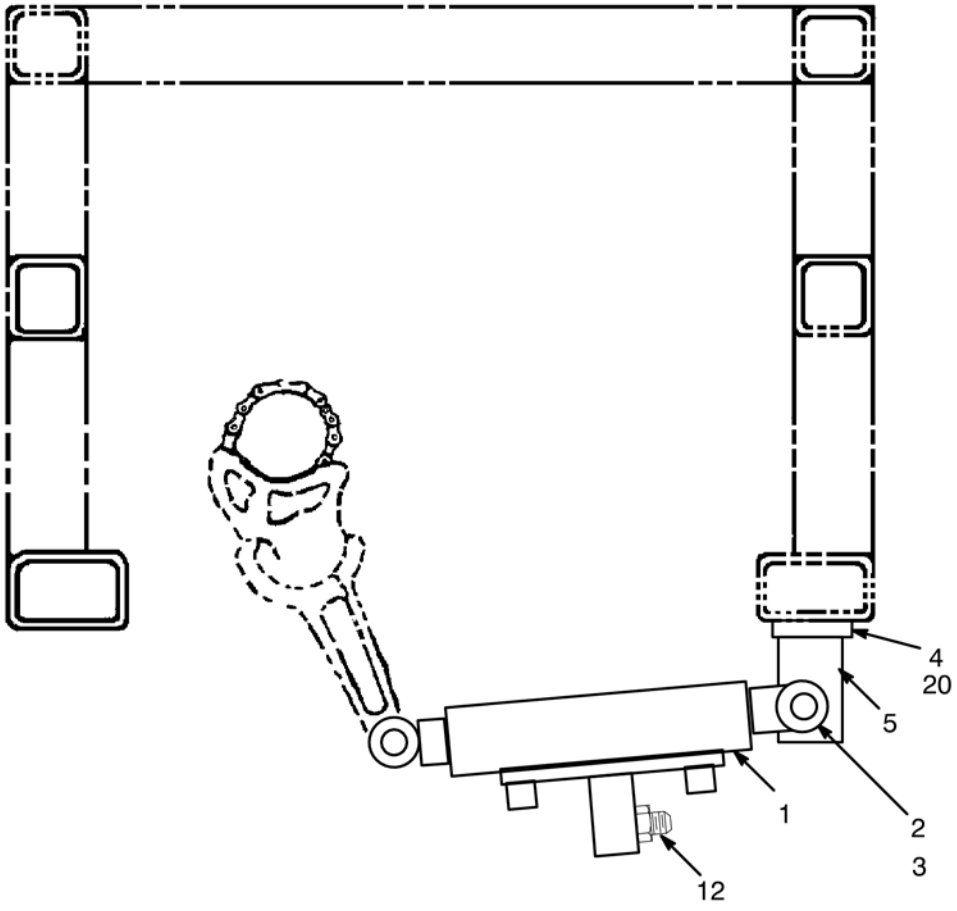


TB57535858 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

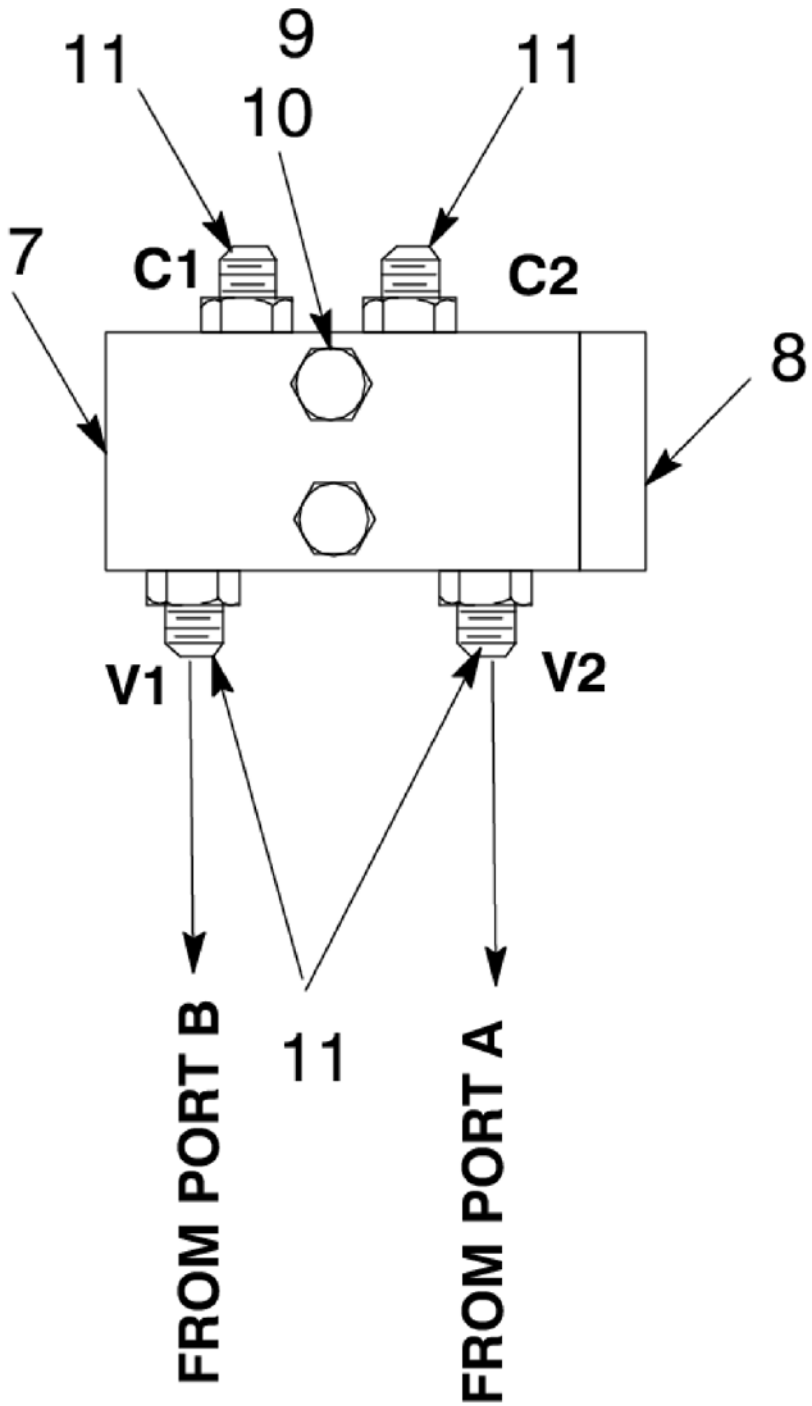
BOM 57535858

57535858 WRENCH CYL.INSTL-ELEC



TB57535858 REV 001

57535858 WRENCH CYL.INSTL-ELEC



TB57535858 REV 001

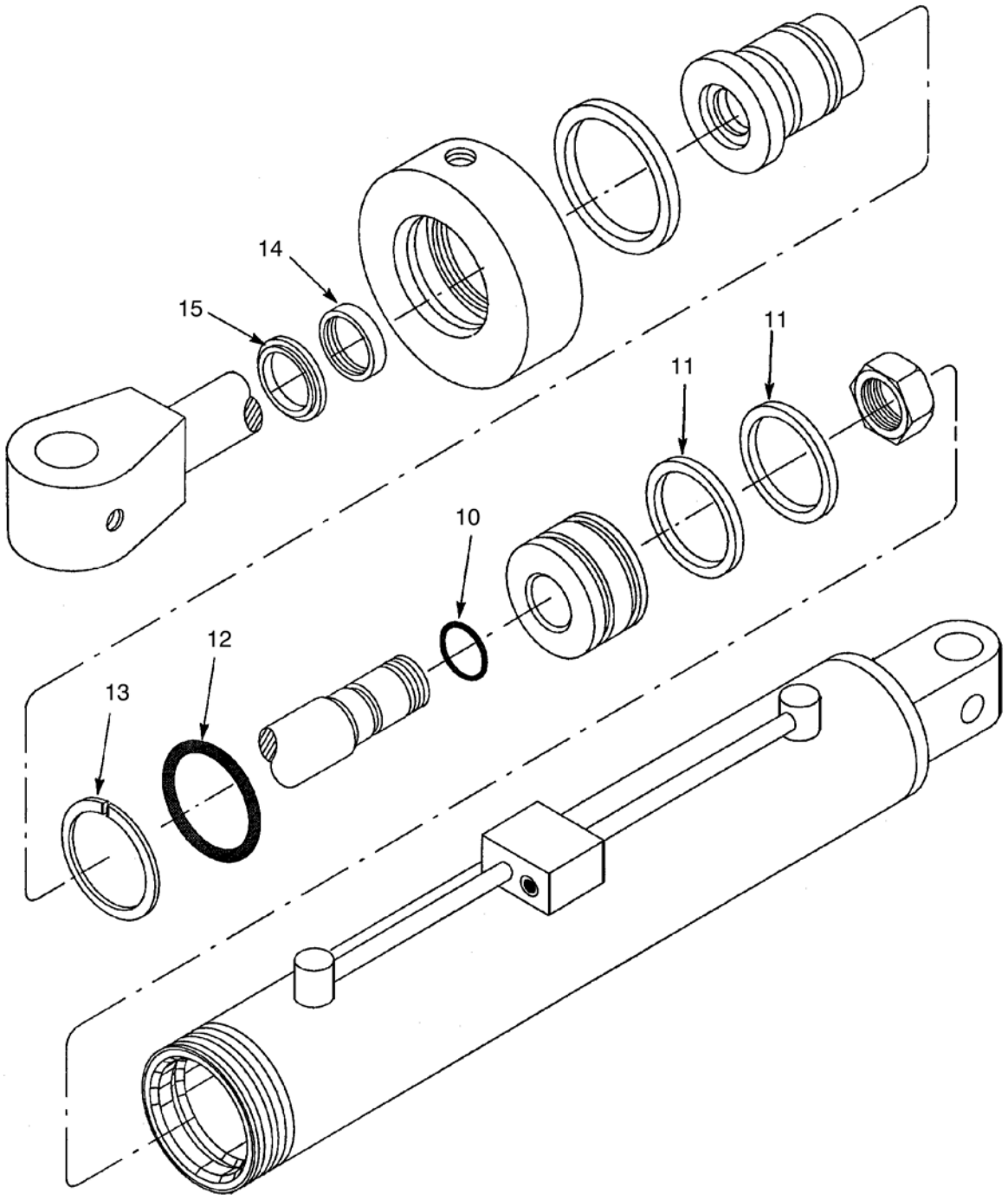
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57535858

57535858 WRENCH CYL.INSTL-ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57039638	1.0	EA	CYLINDER, HYDRAULIC	**See Page 486**
002.0	95342028	1.0	EA	PIN,HINGE	
003.0	95093381	2.0	EA	PIN,COTTER	
004.0	57391104	1.0	EA	BRACKET-WRENCH CYL MOUNT	
005.0	57391112	1.0	EA	PIVOT - WRENCH CYL MOUNT	
006.0	52233954	1.0	EA	CYL RETAINER	
007.0	50462944	1.0	EA	VALVE,CHECK-DBL PILOTOP	
008.0	57728255	1.0	EA	BAR,TAPPED	
009.0	95943668	2.0	EA	CAPSCREW,HEX	
010.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
011.0	95419594	4.0	EA	CONNECTOR,STRT THRD	
012.0	95371258	2.0	EA	FITTING,HYD	
014.3	58148040	2.0	EA	HOSE ASSY	
015.1	56964232	2.0	EA	HOSE ASSY	
016.0	50034826	4.0	EA	CLAMP,HOSE,HALF	
017.0	95931564	2.0	EA	NUT,HEX,FINISHED	
018.0	95934766	2.0	EA	WASHER,LOCK,HELICAL	
019.0	95920724	2.0	EA	CAPSCREW	
020.0	95201547	1.0	EA	FITTING,LUBE	

57039638 CYLINDER, HYDRAULIC

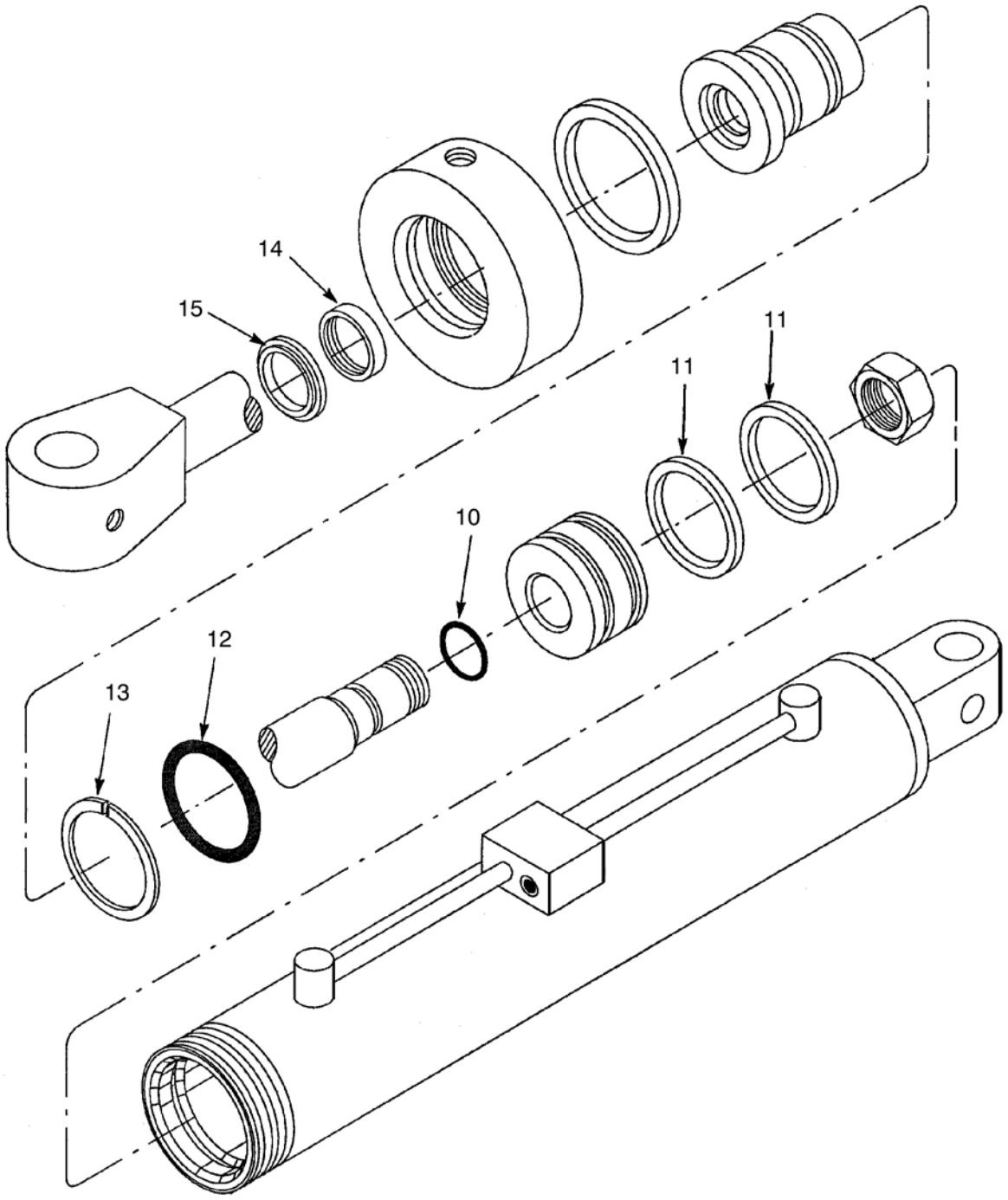


BOM 57039638

57039638 CYLINDER, HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
000.0	57039810	1.0	EA	KIT,SEAL	**See Page 488**
006.0	57012676	1.0	EA	PLUG, NYLON	
007.0	57012684	1.0	EA	SCREW, SET	

57039810 KIT,SEAL

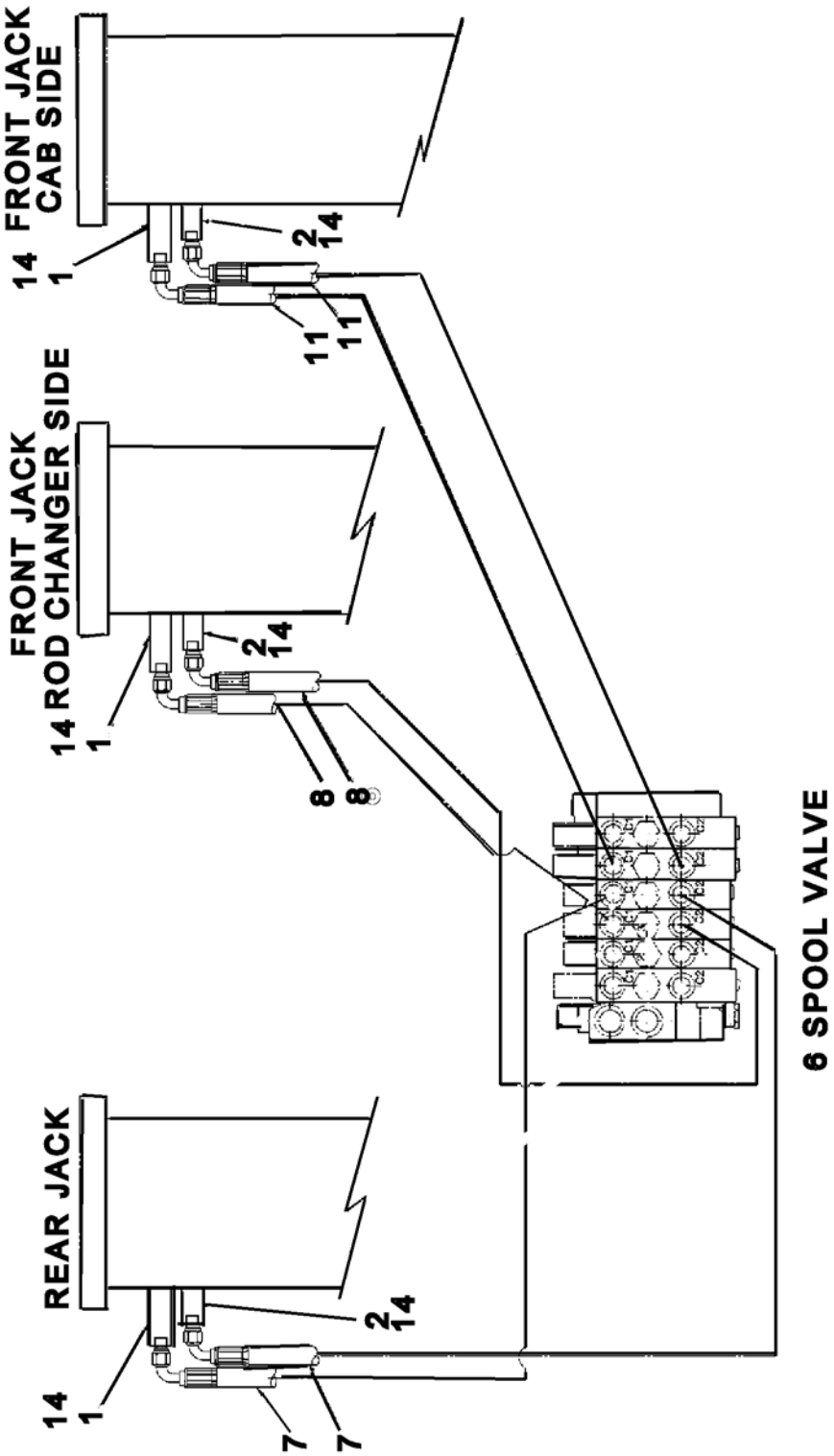


BOM 57039810

57039810 KIT,SEAL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
010.0	57326795	1.0	EA	O'RING	
011.0	57326803	2.0	EA	U-CUP	
012.0	57224081	1.0	EA	O-RING	
013.0	57163529	1.0	EA	RING, BACK UP	
014.0	57163453	1.0	EA	U-CUP	
015.0	59322677	1.0	EA	WIPER	

57501983 JACKS,PIPING-ELEC



TB2657501983 REV 003

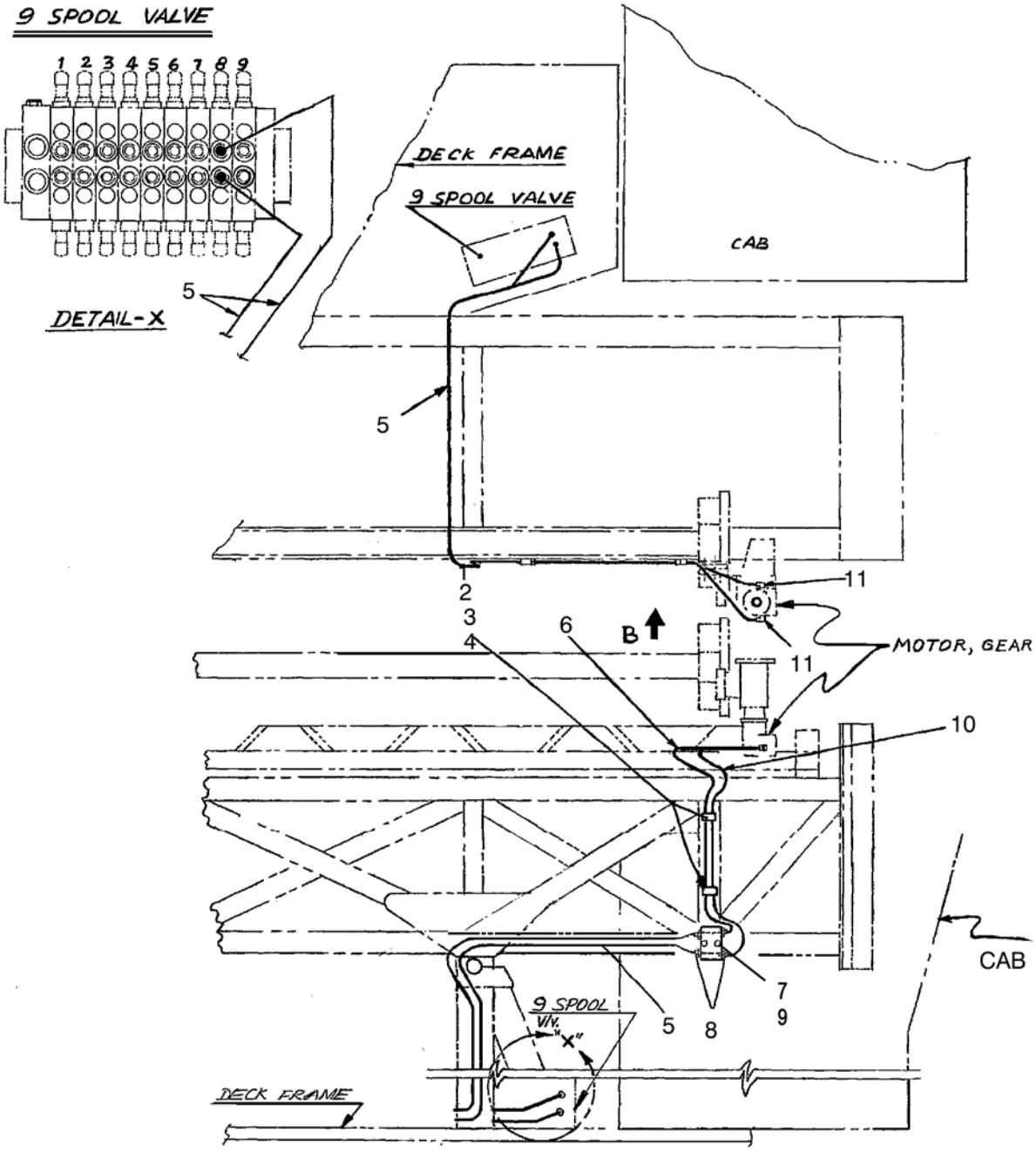
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57501983

57501983 JACKS,PIPING-ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57116758	3.0	EA	ADAPTER, JACK-LONG	
002.0	57116766	3.0	EA	ADAPTER, JACK-SHORT	
007.1	56255680	2.0	EA	HOSE ASSEMBLY	
008.0	57116840	2.0	EA	HOSE ASSY	
011.0	57138885	2.0	EA	HOSE ASSY	
014.0	95209888	6.0	EA	O-RING,HYD	

57535957 ROD INDEX PIPING-ELEC



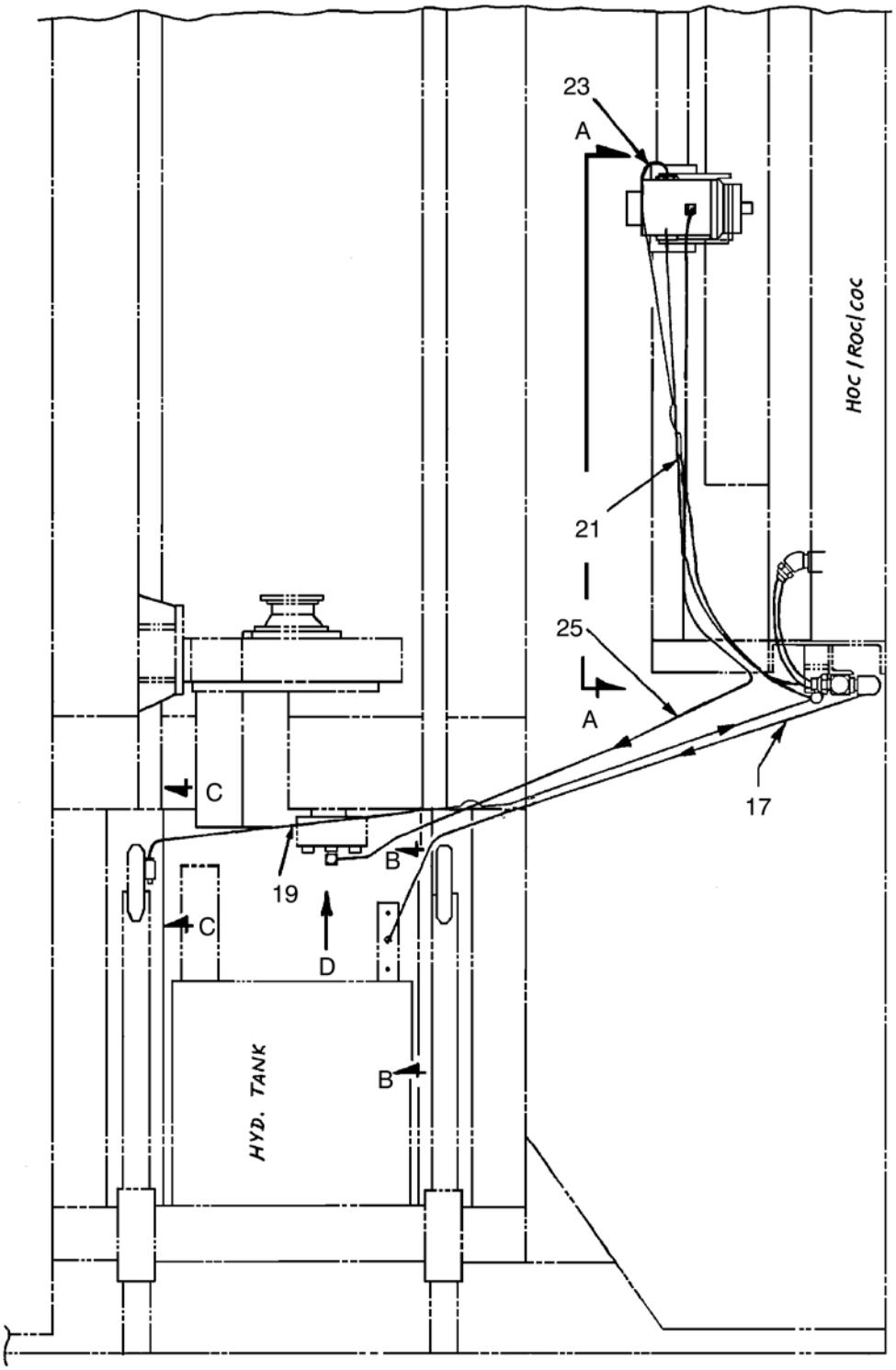
TB2657535957 REV 005

BOM 57535957

57535957 ROD INDEX PIPING-ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	50034826	2.0	EA	CLAMP,HOSE,HALF	
002.1	95931564	2.0	EA	NUT,HEX,FINISHED	
003.1	95934766	2.0	EA	WASHER,LOCK,HELICAL	
004.1	95920724	2.0	EA	CAPSCREW	
005.0	57094930	2.0	EA	HOSE ASSY	
006.0	57014375	1.0	EA	HOSE ASSY	
007.0	50462944	1.0	EA	VALVE,CHECK-DBL PILOTOP	
008.0	95303368	4.0	EA	CONNECTOR,STRT THRD	
009.0	95958948	2.0	EA	CAPSCREW	
010.0	57696171	1.0	EA	HOSE ASSEMBLY	
011.0	95303335	2.0	EA	ELBOW,90 DEG STRT THRD	

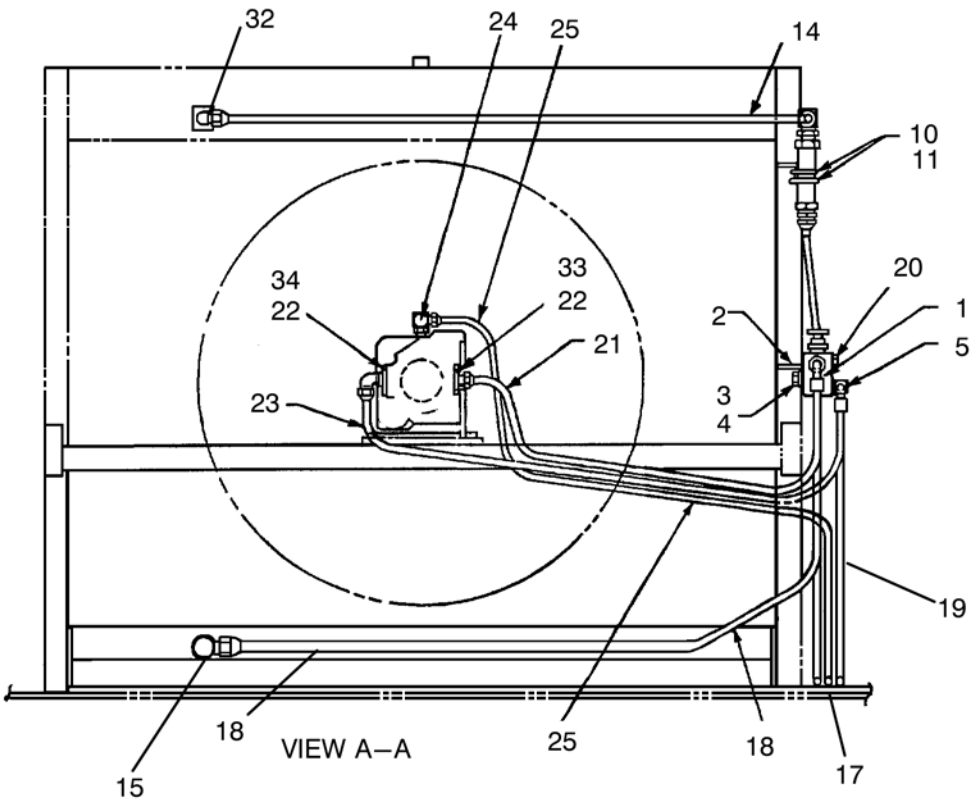
57773301 PIPING,FAN/HOC,54"



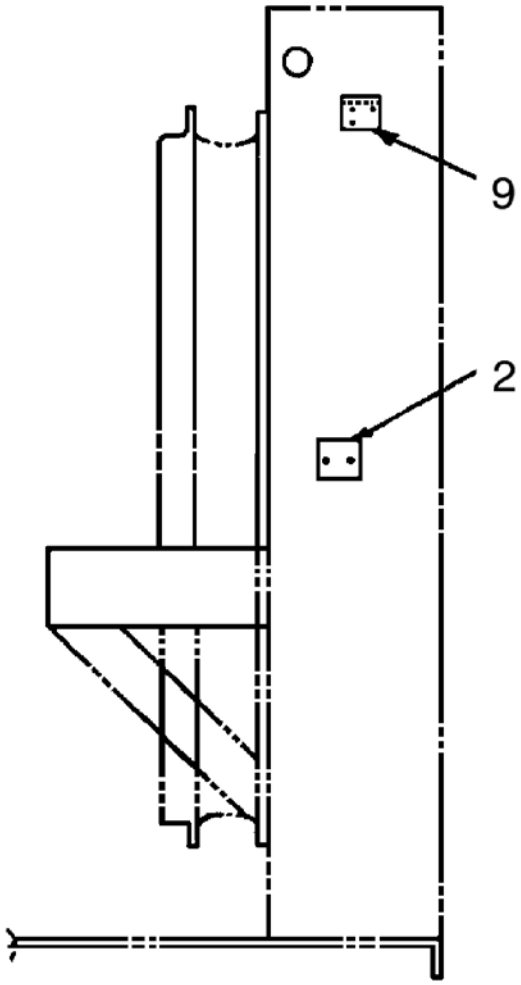
TB57661597 REV 008

BOM 57773301

57773301 PIPING,FAN/HOC,54"



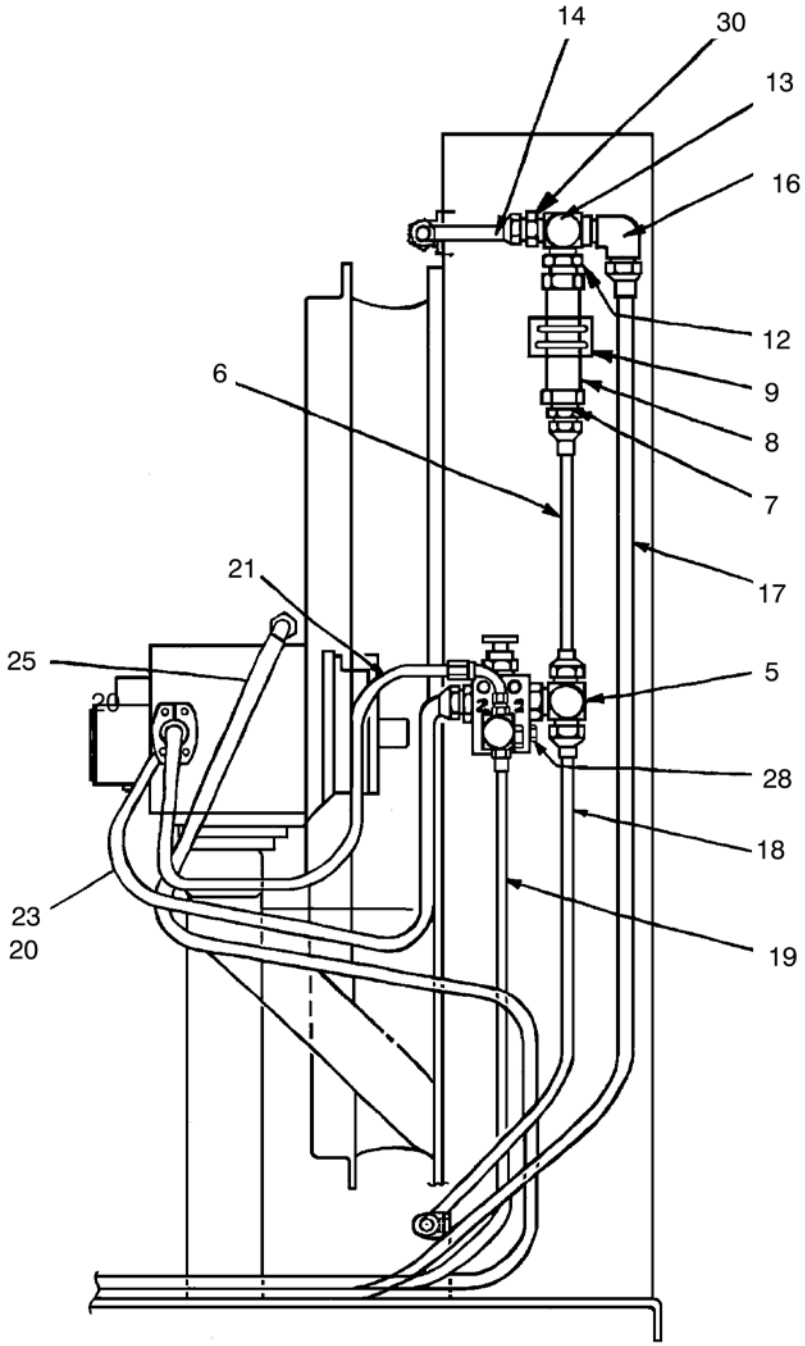
57773301 PIPING,FAN/HOC,54"



TB57661597 REV 008

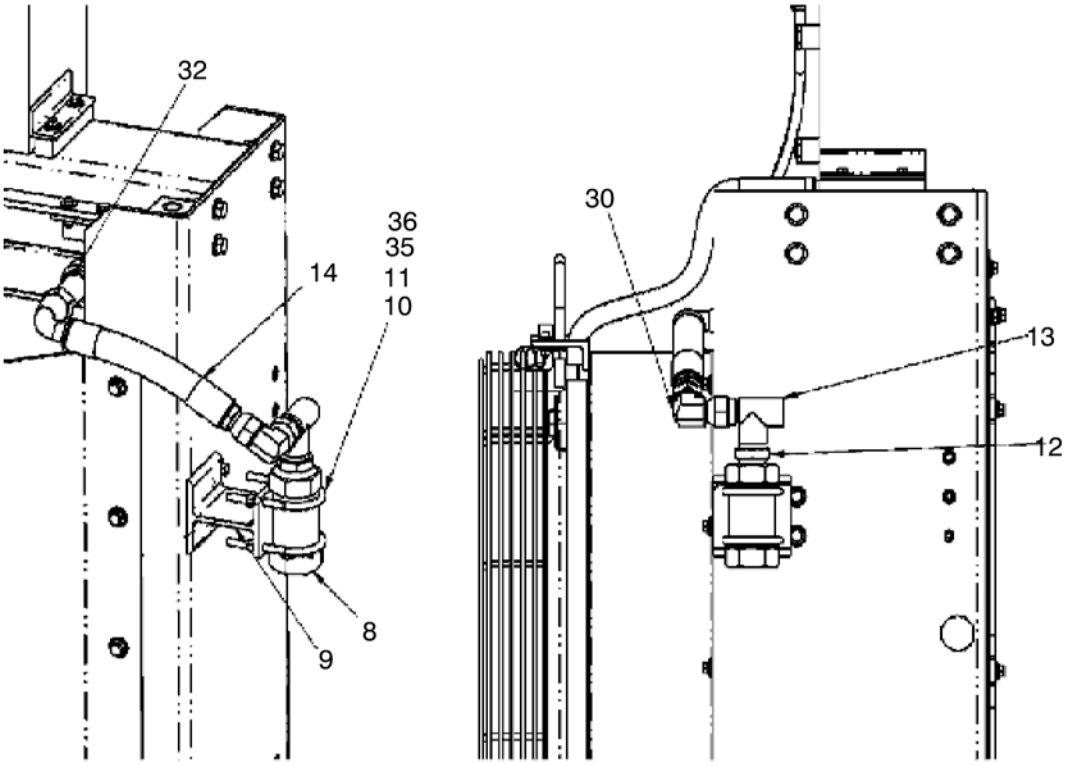
BOM 57773301

57773301 PIPING,FAN/HOC,54"



TB57661597 REV 008

57773301 PIPING,FAN/HOC,54"



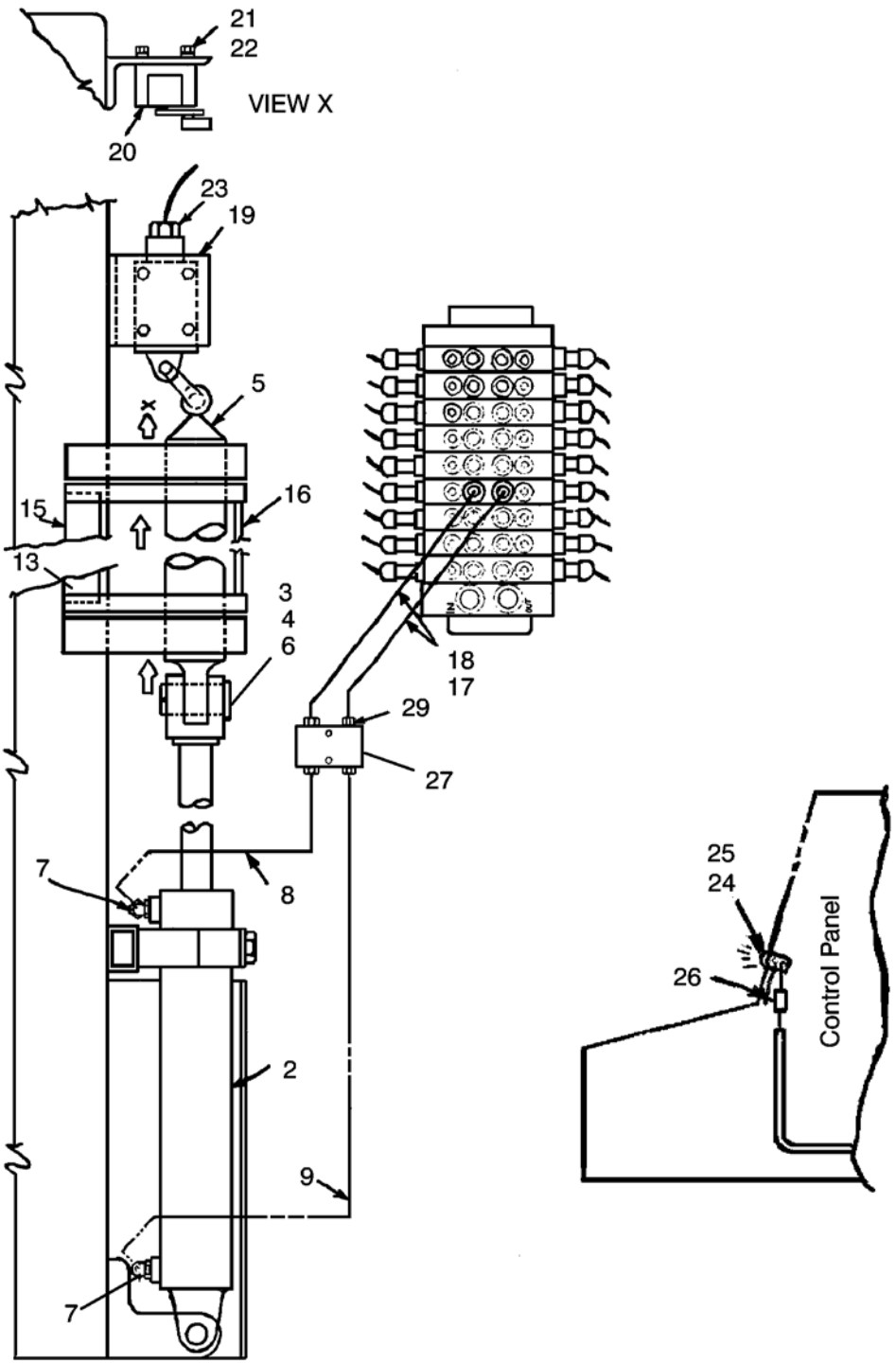
MOUNTING FOR TIER 3

BOM 57773301

57773301 PIPING,FAN/HOC,54"

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57142515	1.0	EA	VALVE, RELIEF-VENTED	
002.0	57499196	1.0	EA	ANGLE	
003.0	95934550	2.0	EA	CAPSCREW,HEX	
004.0	95937413	2.0	EA	WASHER,LOCK,HELICAL	
005.0	57482580	2.0	EA	TEE-JIC RUN/ORING	
006.0	56947674	1.0	EA	HOSE,ASSM	
007.0	95316956	1.0	EA	FITTING,HYD	
008.0	50261825	1.0	EA	VALVE, CHECK	
009.0	57783516	1.0	EA	BRACKET,CHECK VALVE	
010.0	95381828	2.0	EA	U-BOLT,ROUND BEND	
011.0	95922894	4.0	EA	NUT,HEX	
012.0	95479861	1.0	EA	FITTING-STR EXT NPT	
013.0	57783557	1.0	EA	FITTING,INT,INT,37 DEG	
014.0	57783540	1.0	EA	HOSE,ASSM	
015.0	95280160	1.0	EA	FITTING,HYD	
016.0	95279410	1.0	EA	FITTING,HYD	
017.0	52225596	1.0	EA	HOSE,ASSEMBLY	
018.0	57010175	1.0	EA	HOSE ASSY	
019.0	58082900	1.0	EA	HOSE ASSY	
020.0	95371217	1.0	EA	CONNECTOR,STRT THRD	
021.0	56988827	1.0	EA	HOSE ASSY	
022.0	56950579	2.0	EA	KIT,SPLIT FLANGE	
023.0	57714719	1.0	EA	HOSE ASSEMBLY	
024.0	95376141	1.0	EA	ELBOW,90DEG STRT THRD	
025.0	57498081	1.0	EA	HOSE ASSY	
028.0	95343596	2.0	EA	PLUG,HEX HEAD,O-RING	
030.0	95278990	1.0	EA	ELBOW,90 DEG SWIVEL NUT	
032.0	57035222	1.0	EA	FITTING, HYD	
033.0	56986821	1.0	EA	ADAPTER	
034.0	56986821	1.0	EA	ADAPTER	
035.0	95922373	4.0	EA	WASHER,FLAT	
036.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	

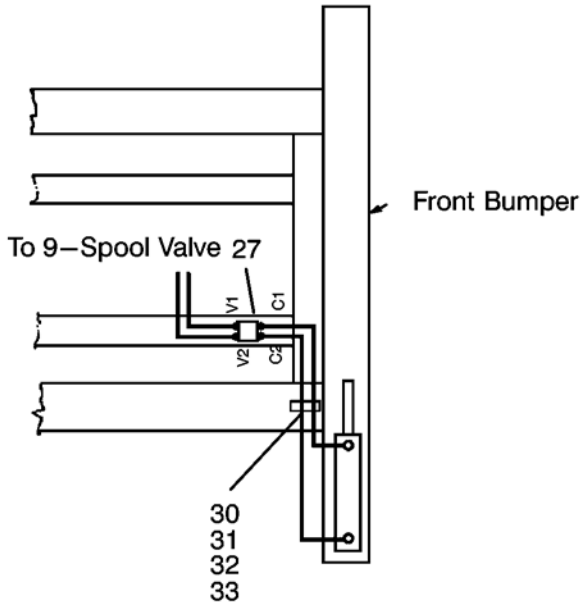
57533127 PINNING,TOWER-DMC/ELEC



D2657533127 REV 004

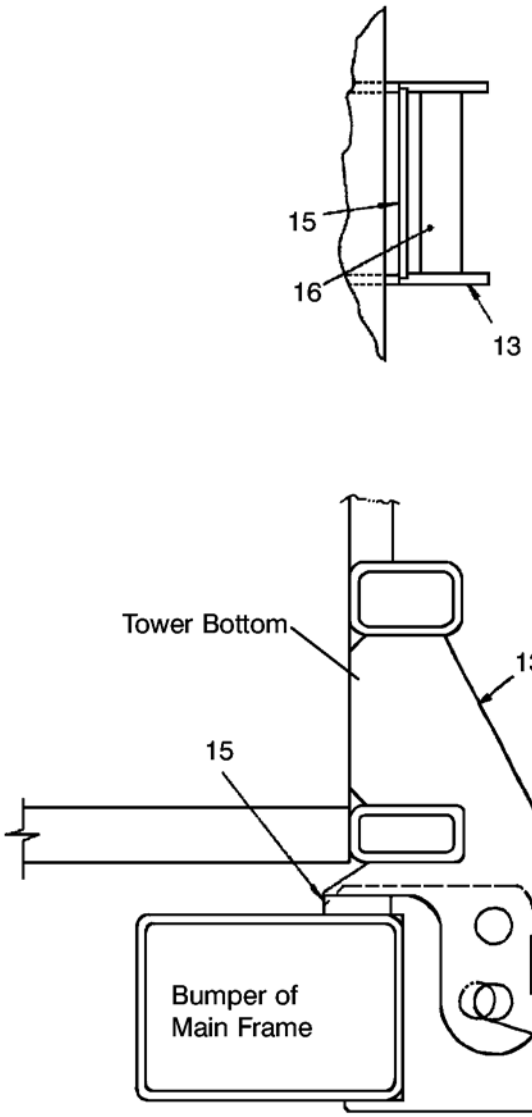
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57533127 PINNING,TOWER-DMC/ELEC



D2657533127 REV 004

57533127 PINNING,TOWER-DMC/ELEC



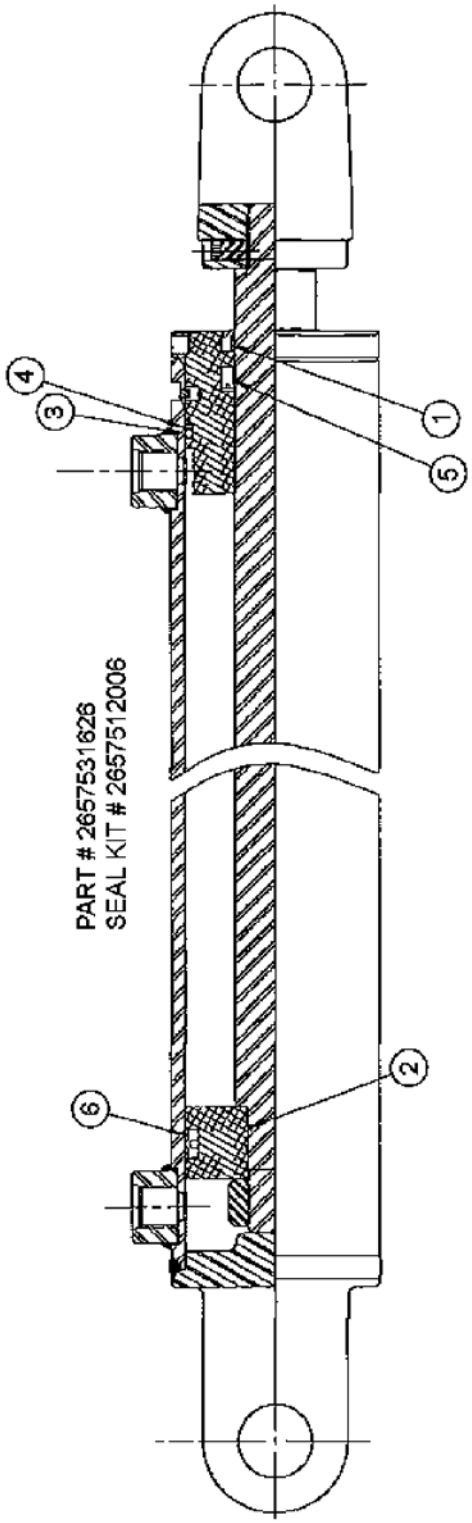
D2657533127 REV 004

BOM 57533127

57533127 PINNING,TOWER-DMC/ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57531626	1.0	EA	CYLINDER,HYDRAULIC	
-	57512006	1.0	EA	- SEAL KIT	**See Page 504**
005.0	57141715	1.0	EA	PIN,TOWER LOCKING	
007.0	95329975	2.0	EA	ELBOW,90 DEG STRT THRD	
008.0	56950082	1.0	EA	HOSE ASSY	
009.3	56954076	1.0	EA	HOSE ASSY	
013.0	57389330	2.0	EA	PLATE, TOWER PINNING	
015.0	57389694	1.0	EA	BAR FLAT, 1X3.50X15.50	
016.0	57389686	1.0	EA	BAR FLAT, 3/8 X 3 X14.75	
017.0	95364972	2.0	EA	FITTING,HYD	
018.1	56954084	2.0	EA	HOSE ASSY	
019.0	57359176	1.0	EA	BRACKET,LIMIT SWITCH	
020.0	50518653	1.0	EA	SWITCH,LIMIT	
021.0	95928982	4.0	EA	CAPSCREW	
022.0	95934766	4.0	EA	WASHER,LOCK,HELICAL	
023.0	50625946	1.0	EA	CONNECTOR,CORD GRIP	
024.0	50270040	1.0	EA	LIGHT,PILOT	
025.1	56275449	1.0	EA	LAMP, LED, RED, 24V	
026.0	56762248	1.0	EA	CONNECTOR,SPLICE	
027.0	50462944	1.0	EA	VALVE,CHECK-DBL PILOTOP	
029.0	95356903	4.0	EA	CONNECTOR,STRT THRD	
030.0	50034826	2.0	EA	CLAMP,HOSE,HALF	
031.0	95934766	1.0	EA	WASHER,LOCK,HELICAL	
032.0	95931564	1.0	EA	NUT,HEX,FINISHED	
033.0	95920724	1.0	EA	CAPSCREW	

57512006 SEAL KIT



B2657512006 REV 000

BOM 57512006

57512006 SEAL KIT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57220311	1.0	EA	WIPER	
002.0	57220360	1.0	EA	O'RING	
003.0	57220345	1.0	EA	O-RING	
004.0	57220337	1.0	EA	SEAL,BACKUP	
005.0	57823452	1.0	EA	SEAL	
006.0	57823460	1.0	EA	SEAL	

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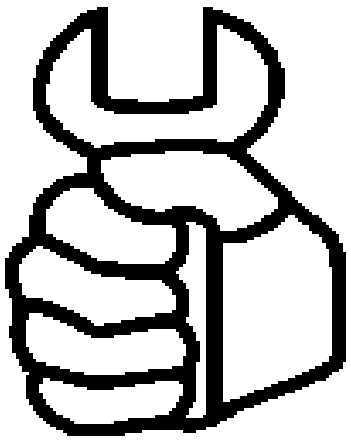
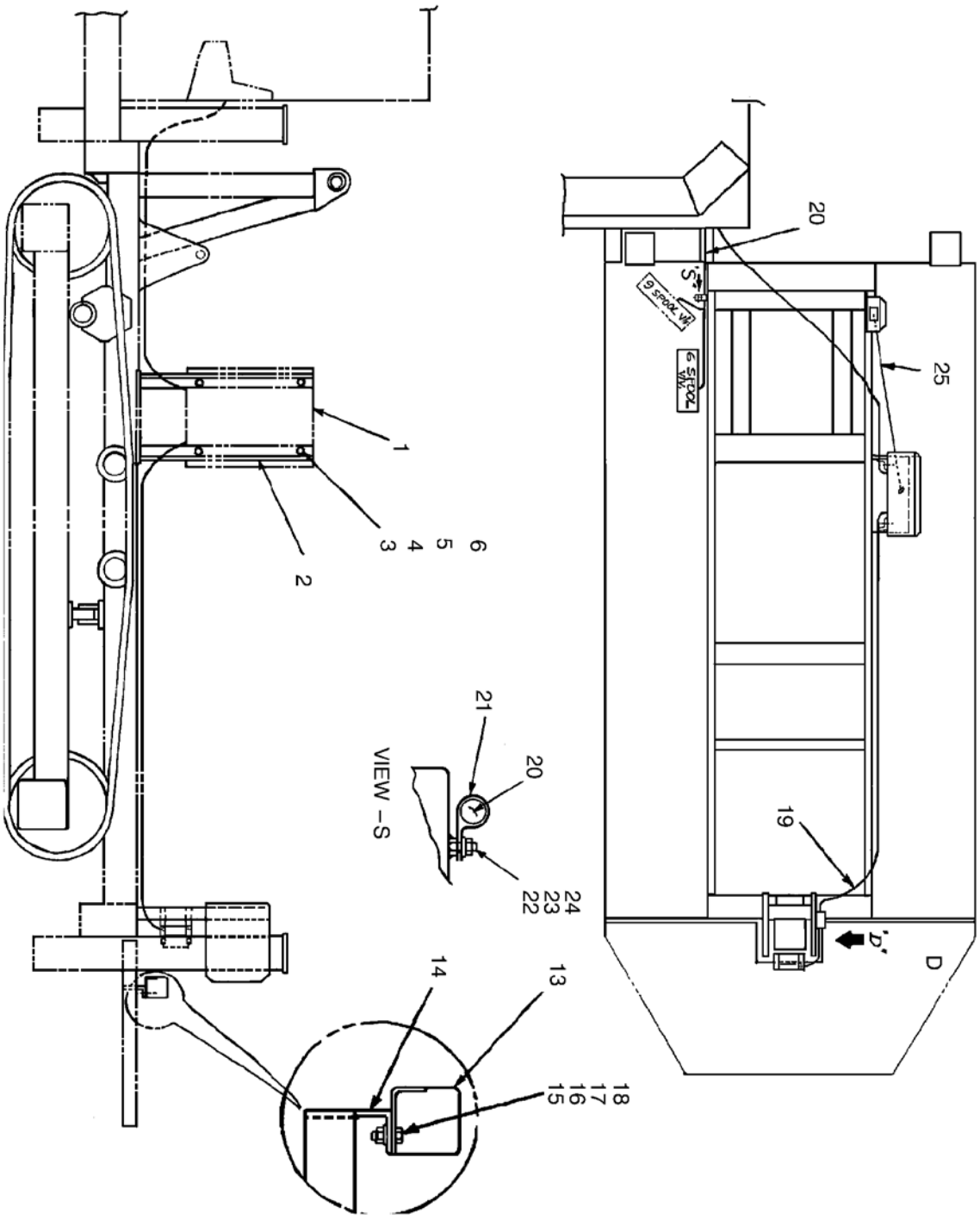


Section K - Electrical System

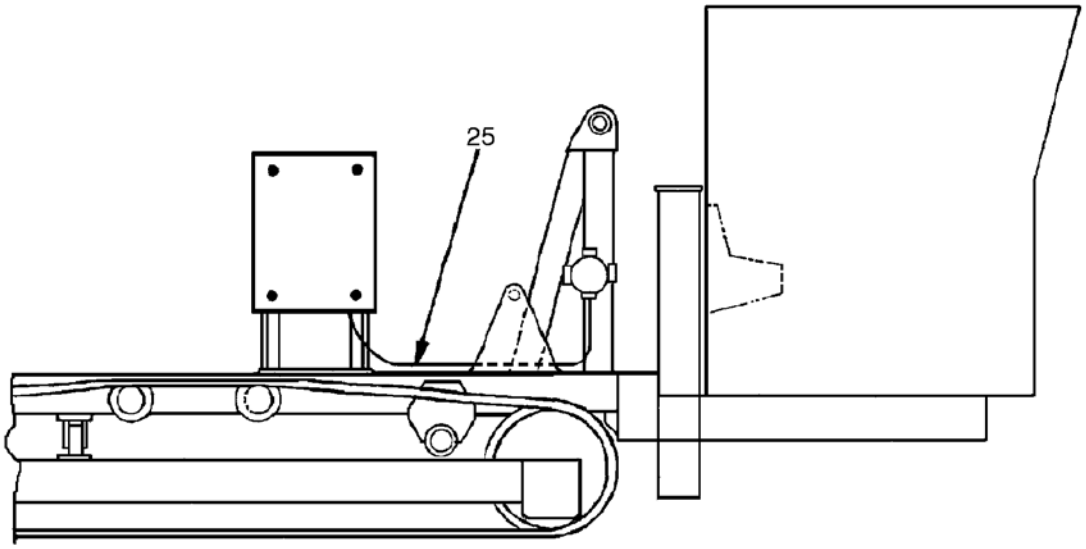
57775934 WIRING,BASIC CAT



D2657775934 REV 001

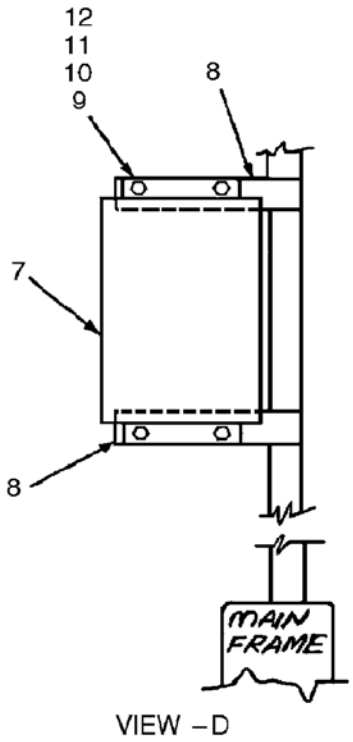
BOM 57775934

57775934 WIRING,BASIC CAT



D2657775934 REV 001

57775934 WIRING,BASIC CAT



VIEW –D

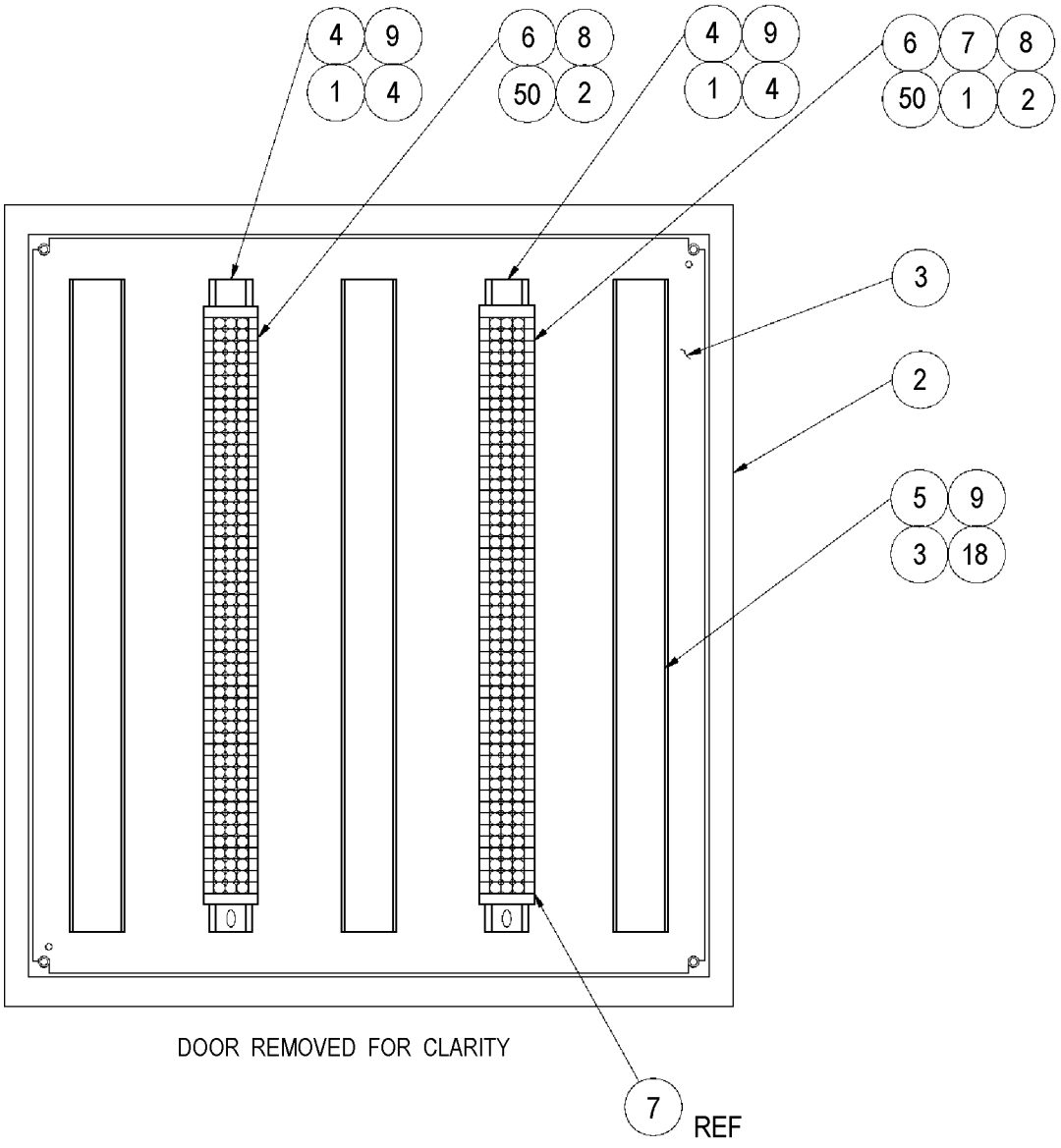
D2657775934 REV 001

BOM 57775934

57775934 WIRING,BASIC CAT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57665044	1.0	EA	BOX,ELEC ASM TIER 2	**See Page 512**
002.0	57549503	1.0	EA	BRACKET, ELEC BOX 24X20	
003.0	95920682	4.0	EA	CAPSCREW,HEX	
004.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
005.0	95922373	8.0	EA	WASHER,FLAT	
006.0	95922894	4.0	EA	NUT,HEX	
007.0	57549941	1.0	EA	BOX, ELEC ASSY-8X6X3.5	
-	57443525	17.0	EA	- BLOCK,UK10 TERMINAL	
-	57429748	2.0	EA	- HOLDER, LOCKING END	
008.0	56257553	2.0	EA	BRACKET-ELEC BOX, 8X6	
009.0	95934816	4.0	EA	CAPSCREW,HEX	
010.0	95934766	4.0	EA	WASHER,LOCK,HELICAL	
011.0	95922324	8.0	EA	WASHER,FLAT,NARROW	
012.0	95931564	4.0	EA	NUT,HEX,FINISHED	
013.0	57366387	1.0	EA	ALARM,BACKUP-12 TO36VDC	
015.0	95929006	2.0	EA	CAPSCREW	
016.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
017.0	95922225	2.0	EA	WASHER,FLAT	
018.0	95929782	2.0	EA	NUT,HEX,FINISHED	
019.0	57549982	1.0	EA	HARNESS WIRE-BOX TO BOX	
020.0	56256605	1.0	EA	HARNESS-6&9 SPOOL VALVE	**See Page 514**
021.0	95378873	1.0	EA	CLAMP,HOSE	
022.0	95104147	1.0	EA	CAPSCREW,HEX	
023.0	95934733	1.0	EA	WASHER,LOCK	
024.0	95922902	1.0	EA	NUT,HEX,FINISHED,PLATED	
025.0	57662876	1.0	EA	HARNESS,WIRE ELEC BOX	

57665044 BOX,ELEC ASM TIER 2



BOM 57665044

57665044 BOX,ELEC ASM TIER 2

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
006.0	57684888	120.0	EA	TERMINAL,BLOCK	
007.0	57684979	120.0	EA	MARKER,TERMINAL	
008.0	57429748	4.0	EA	HOLDER, LOCKING END	

56256605 HARNESS-6&9 SPOOL VALVE

1) Figure 1 shows completed Wire Harness. Five ft of wire shall extend from the Conduit Connector, 2 ft of wire shall extend from the non-bushing end of the conduit.

2) The Harness has 32 Circuits, each Circuit has 1 White Wire and 1 Black Wire.

3) Install a Female Packard Connector on each wire pair.

4) Put Temporary Wire Labels on each wire as per Table 1.

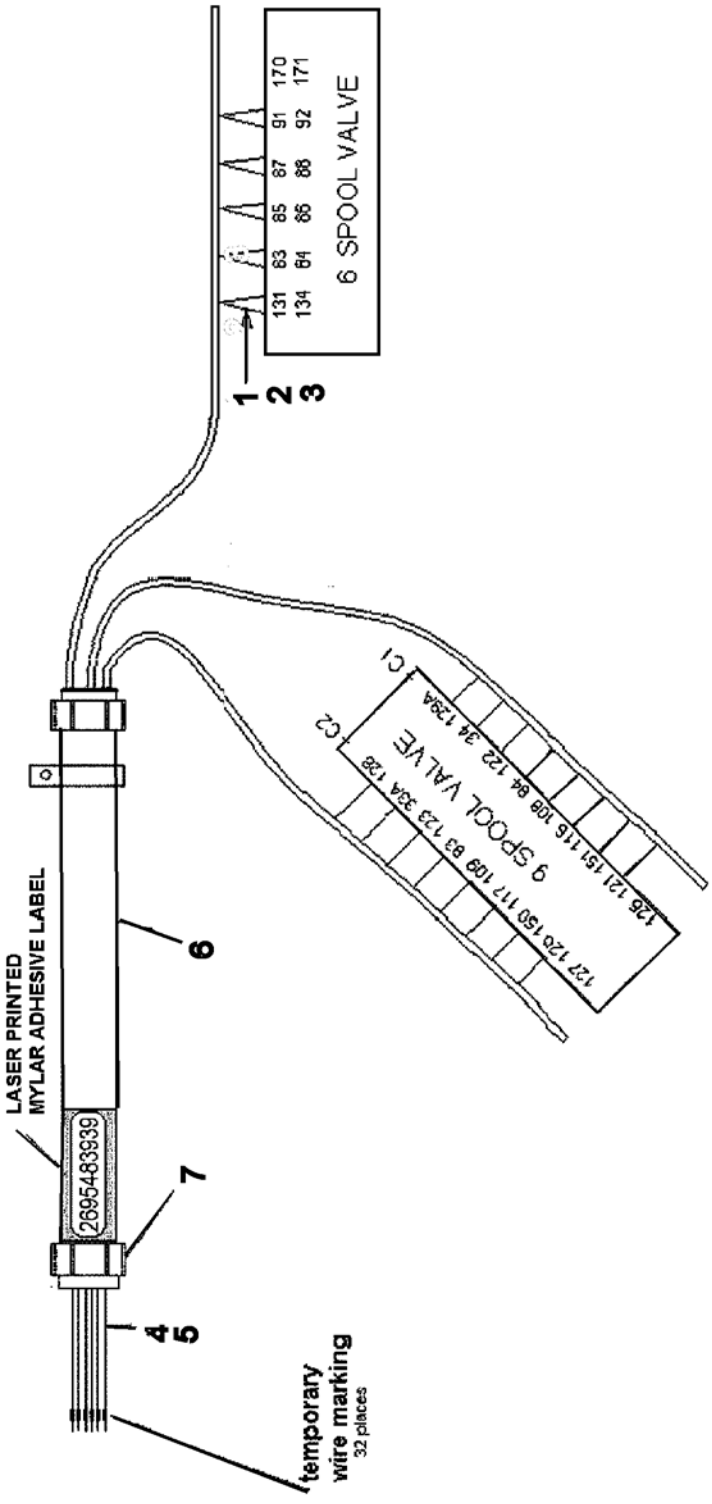
5) Pull Completed harness into 10 ft. of 1-1/2 in Flexible Conduit, leaving the Harness extending from both sides of the conduit as describe in step 1 and shown in figure 1.

6) Place a Clear, Heat Shrinkable Sleeve Label near the ConduitFitting showing the part number for the completed harness. Use "2656256605

7) All wires to be 16 AWG.

BOM 56256605

56256605 HARNESS-6&9 SPOOL VALVE



B2656256605 REV 002

56256605 HARNESS-6&9 SPOOL VALVE

Function	White Wire	Black Wire
Hoist	170	5
Hoist	171	5
Tower Raising	92	5
Tower Raising	91	5
D/C Jack	88	5
D/C Jack	87	5
Rear Jack	86	5
Rear Jack	85	5
Cab jack	84	5
Cab jack	83	5
Dust Collector	131	5
Water Injector	134	5
Spare 1	SPARE 1	5
Carousel Swing	128	5
Carousel Swing	129A	5
Rod Support	33A	5
Rod Support	34	5
Chain Wrench	122	5
Chain Wrench	123	5
Tower Pinning	94	5
Tower Pinning	93	5
Telescoping Dust Curtain	108	5
Telescoping Dust Curtain	109	5
Air Throttle Valve	116	5
Air Throttle Valve	117	5
Dust Flap	151	5
Dust Flap	150	5
Carousel Index	120	5
Carousel Index	121	5
Sliding Breakout	127	5
Sliding Breakout	126	5
Spare 2	Spare 2	5

BOM 56256605

56256605 HARNESS-6&9 SPOOL VALVE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	59854943	32.0	EA	CONNECTOR,16-14,FEMALE	
002.0	59854828	64.0	EA	TERMINAL,16-14,MALE PIN	
003.0	57400715	64.0	EA	SEAL,14-12AWG,PIN,CABLE	
006.0	95333381	120.0	EA	CONNECTOR	
007.0	95483939	1.0	FT	CONDUIT, FLEX-1-1/2	

57828261 WIRING,STD,ELECTRIC RIG

PENDING REV 000

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57828261

57828261 WIRING,STD,ELECTRIC RIG

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
005.1	52240959	14.0	EA	PLATE,TAPPED	
005.2	52240959	16.0	EA	PLATE,TAPPED	
006.0	52175809	3.0	EA	BOX,4" STONCO W/COVER	
007.0	52240397	3.0	EA	BOX,3/4,STONCO	
046.0	95344867	10.0	EA	GASKET,COVER	
047.0	95344727	5.0	EA	OUTLET BODY	
048.0	95344826	5.0	EA	COVER	
049.0	95344875	5.0	EA	GASKET,COVER	
050.0	57443525	200.0	EA	BLOCK,UK10 TERMINAL	
051.0	57429748	20.0	EA	HOLDER, LOCKING END	
052.0	57429730	20.0	EA	COVER,TERMINAL BLOCK END	
053.0	57221855	120.0	IN	MOUNTING RAIL (DIN)	
054.0	57435034	10.0	EA	BRIDGE, ELEC. INSULATED	
055.0	57455586	600.0	EA	SLEEVE,WIRE .14	
056.0	57455594	200.0	EA	SLEEVE,WIRE 12,TRANSPAR	
057.0	57455602	30.0	EA	SLEEVE,WIRE,#8	
058.0	57471344	500.0	EA	CHARACTER,WIRE SLEEVE 0	
059.0	57471351	500.0	EA	CHARACTER, WIRE SLEEVE 1	
060.0	57471369	500.0	EA	CHARACTER, WIRE SLEEVE 2	
061.0	57471377	500.0	EA	CHARACTER, WIRE SLEEVE 3	
062.0	57471385	400.0	EA	CHARACTER, WIRE SLEEVE 4	
063.0	57471393	600.0	EA	CHARACTER, WIRE SLEEVE 5	
064.0	57471401	300.0	EA	CHARACTER, WIRE SLEEVE 6	
065.0	57471419	300.0	EA	CHARACTER, WIRE SLEEVE 7	
066.0	57471427	300.0	EA	CHARACTER, WIRE SLEEVE 8	
067.0	57471435	300.0	EA	CHARACTER, WIRE SLEEVE 9	
068.0	57471443	100.0	EA	CHARACTER, WIRE SLEEVE A	
069.0	57471450	50.0	EA	CHARACTER, WIRE SLEEVE B	
070.0	57522443	120.0	EA	CHARACTER, WIRESLEEVE- E	
071.0	57455628	10.0	EA	LABEL,NUMBER,ADHESIVE	
072.1	57036881	1.0	EA	BAR,COPPER	
080.0	95414033	2.0	EA	OUTLET BODY	
082.0	57427148	2.0	EA	ADAPTER, 1-1/2 PVC	
083.0	52236544	2.0	EA	GASKET, 1-1/2	
084.0	95414058	2.0	EA	COVER	
085.0	95414066	2.0	EA	GASKET,COVER-1-1/2	
086.0	95482451	2.0	EA	CONNECTOR,1-45 DEG	
087.0	52236551	2.0	EA	GASKET, 1	
088.0	58081647	50.0	EA	RIVET,1/8 DIA X .357 POP	
089.1	57387904	10.0	EA	CONNECTOR,16-14,MALE,2W	
090.1	59854828	25.0	EA	TERMINAL,16-14,MALE PIN	
091.2	57400715	50.0	EA	SEAL,14-12AWG,PIN,CABLE	

BOM 57828261

57828261 WIRING,STD,ELECTRIC RIG

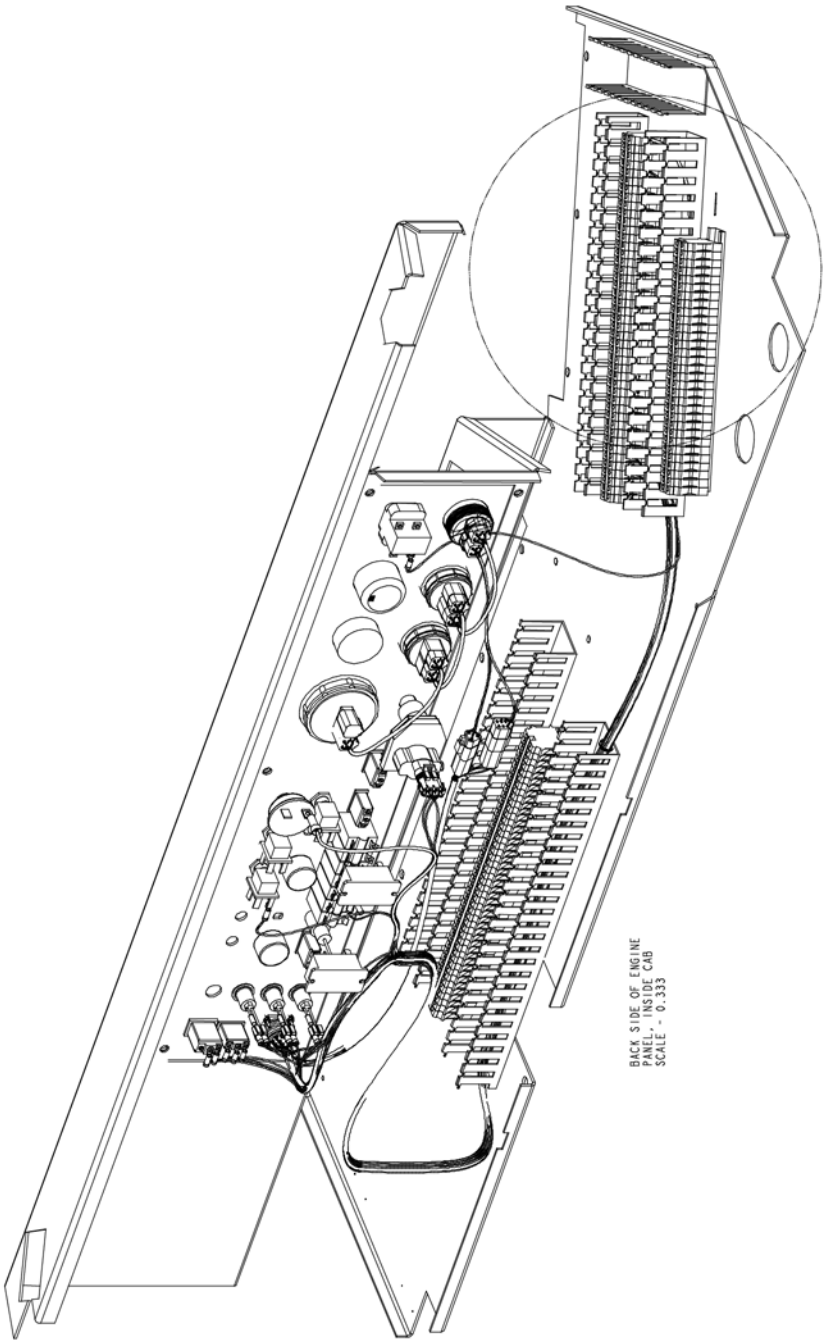
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
092.1	59854943	10.0	EA	CONNECTOR,16-14,FEMALE	
093.1	57176604	25.0	EA	TERMINAL,PACKARD SLEEVE	
096.0	56954852	1.0	EA	CHANNEL, DUCT	
097.0	56954860	1.0	EA	COVER, DUCT	
098.0	57472839	1.0	EA	CHANNEL, WIRING DUCT	
099.0	57472847	1.0	EA	COVER, WIRING DUCT	
100.0	57435075	2.0	EA	BRIDGE,UK-4,INSULATED	
101.0	57429714	7.0	EA	BLOCK, 6MM COMPONENTELEC	
102.0	57429722	7.0	EA	PLUG, 6MM COMPONENT	
103.0	59356907	1.0	EA	CONNECTOR,16-14,MALE,3W	
104.0	59895151	1.0	EA	CONNECTOR,16-14,FEMALE	
105.0	57196677	7.0	EA	DIODE,3AMP,600 VOLT	
107.0	57387904	4.0	EA	CONNECTOR,16-14,MALE,2W	
108.0	59854828	8.0	EA	TERMINAL,16-14,MALE PIN	
109.0	57400715	16.0	EA	SEAL,14-12AWG,PIN,CABLE	
110.0	59854943	4.0	EA	CONNECTOR,16-14,FEMALE	
111.0	52240397	1.0	EA	BOX,3/4,STONCO	
112.0	95735049	1.0	EA	OUTLET BODY	
113.0	95344719	1.0	EA	OUTLET BODY	
114.0	95344818	2.0	EA	COVER	
115.0	95344867	2.0	EA	GASKET,COVER	
116.0	95368536	4.0	EA	CONNECTOR,1/2,45 DEG	
117.0	95361390	2.0	EA	CONNECTOR, 1/2 90 DEG	
118.0	95318457	1.0	EA	CONNECTOR	
119.0	95256863	3.0	EA	BUSHING,REDUCING	
120.0	95245072	4.0	EA	CONNECTOR	
121.0	95256749	4.0	EA	CLAMP-3/4	
122.0	95256723	4.0	EA	CLAMP-1/2	
123.0	57433781	1.0	EA	POTENTIOMETER,500-OHM	
124.0	56263452	6.0	EA	CONNECTOR, CORD GRIP	
126.0	52236577	10.0	EA	GASKET,SEALING	
127.0	52236544	1.0	EA	GASKET, 1-1/2	
128.0	50625839	10.0	EA	BUSHING,CONDUIT	
129.0	50625847	10.0	EA	BUSHING, CONDUIT-3/4	
130.0	50628726	1.0	EA	BUSHING	
131.0	52240959	12.0	EA	PLATE,TAPPED	
132.0	95361853	2.0	EA	CONNECTOR,1.5 X 45 DEG	
133.0	58814419	1.0	EA	CONNECTOR,16-14,MALE,4W	
134.0	57828279	1.0	EA	HARNESS,MAIN PUMPS	
135.0	56277759	4.0	IN	TUBING,SHINK-1/8 DIA.	
136.0	95985925	12.0	EA	TERMINAL, FEMALE	
137.0	54501093	2.0	EA	TUBING,SHRINK 1/4"	

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57828261

57828261 WIRING,STD,ELECTRIC RIG

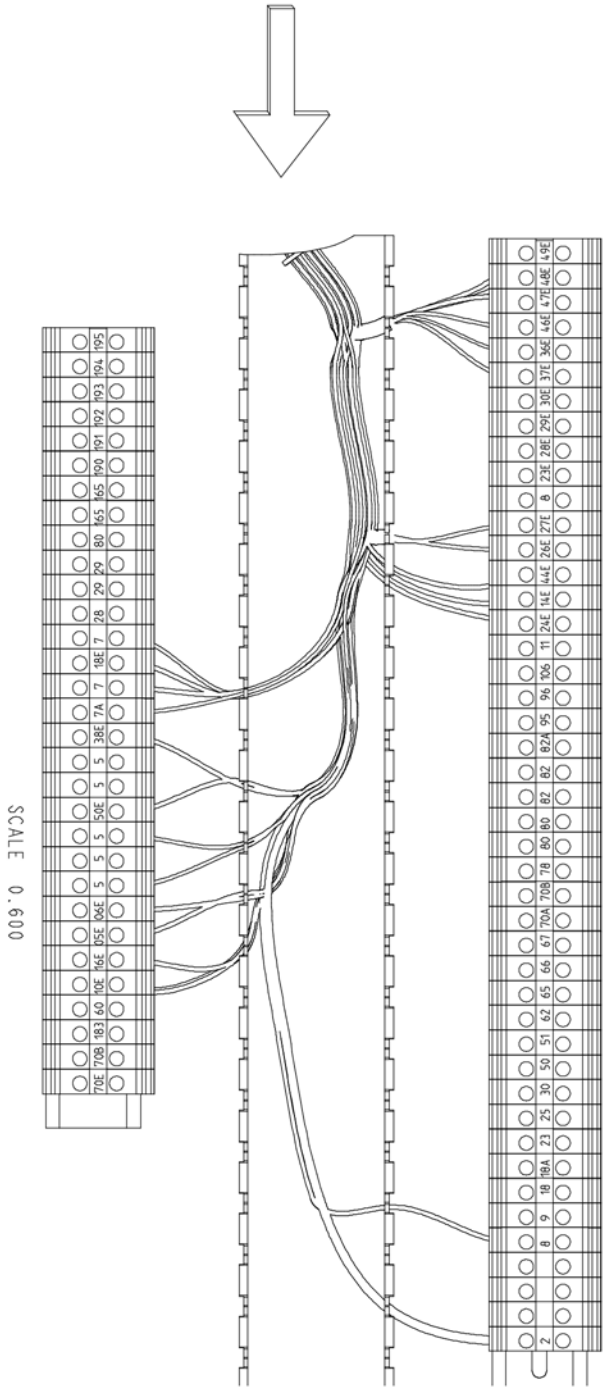
57800625 WIRING,PANEL,ENG,CUMMINS



D57800625 REV 000

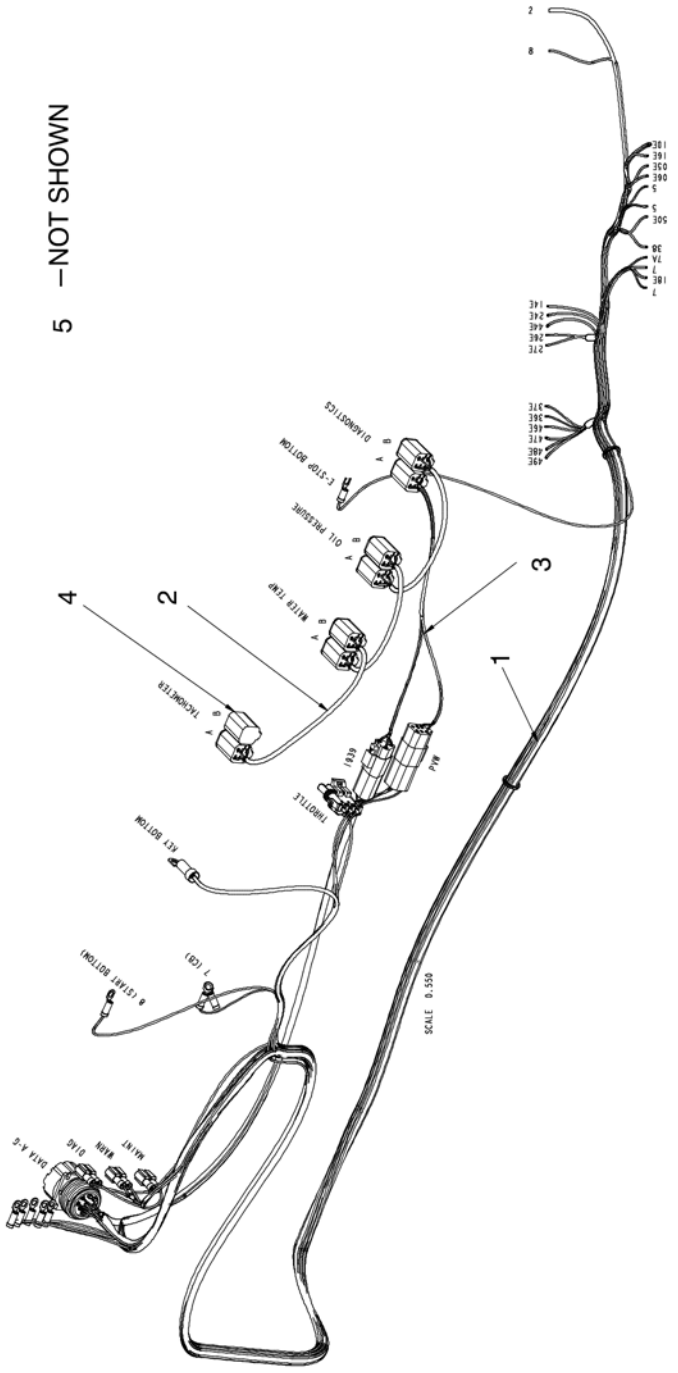
BOM 57800625

57800625 WIRING,PANEL,ENG,CUMMINS



D57800625 REV 000

57800625 WIRING,PANEL,ENG,CUMMINS



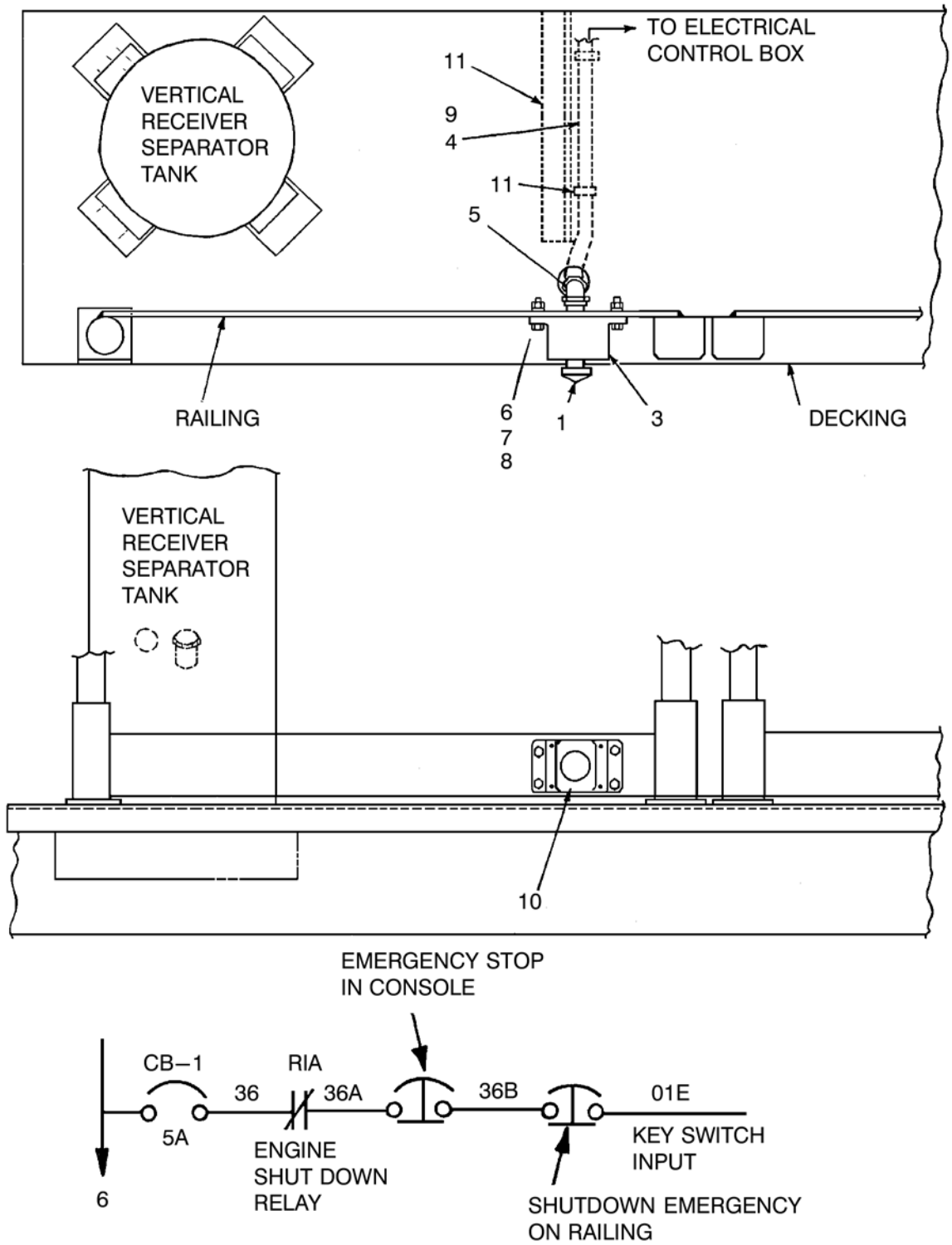
D57800625 REV 000

BOM 57800625

57800625 WIRING,PANEL,ENG,CUMMINS

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57800658	1.0	EA	HARNESS,ENGINE,CUMMINS	
002.0	57744674	3.0	EA	HARNESS,GAUGE	
003.0	57760555	1.0	EA	HARNESS,CAN & POWER	
004.0	57744682	1.0	EA	RESISTOR,TERMINATION	
005.0	57634917	1.0	EA	HARNESS,ECM QSX	

57600777 SHUTDOWN,EMERGENCY,GL



C57600777 REV 000

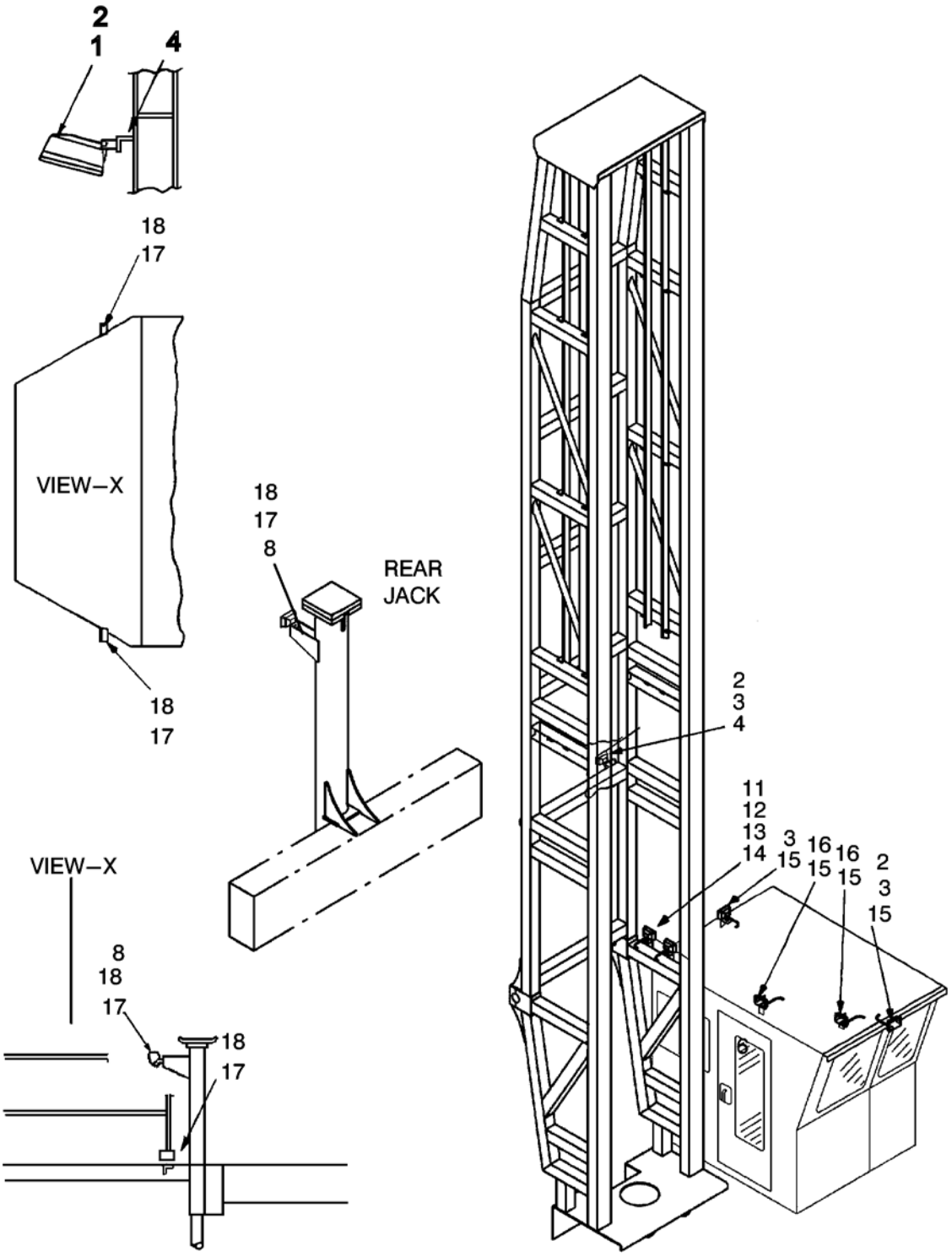
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57600777

57600777 SHUTDOWN,EMERGENCY,GL

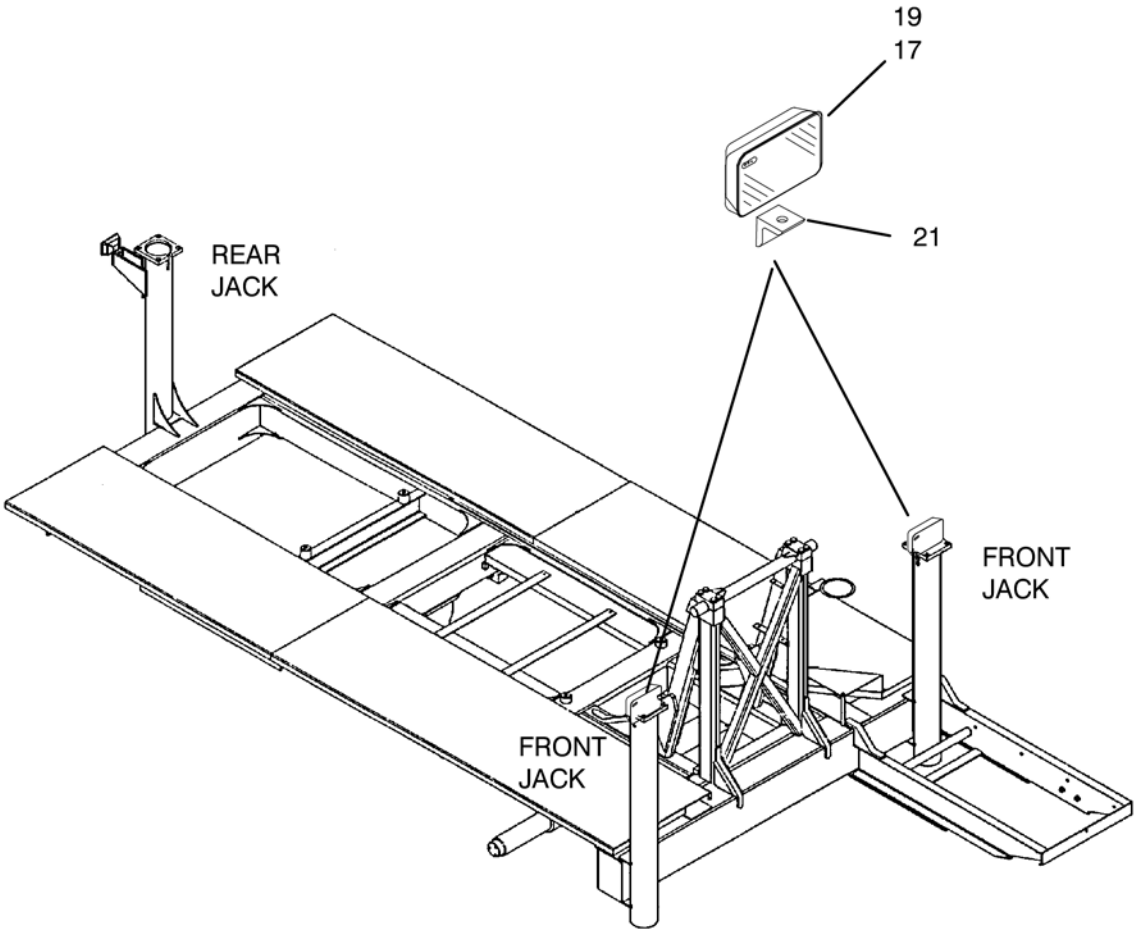
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	855017P0286	1.0	EA	SWITCH PUSHBUTTON	
003.0	57170730	1.0	EA	BOX,1-HOLE PENEDENT	
004.0	95245049	240.0	IN	CONDUIT,FLEX-1/2SEALTITE	
005.0	95368536	1.0	EA	CONNECTOR,1/2,45 DEG	
006.0	95934550	4.0	EA	CAPSCREW,HEX	
007.0	95922894	4.0	EA	NUT,HEX	
008.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
010.0	57608960	1.0	EA	DECAL.EMERGENCY STOP	
011.0	56999964	2.0	EA	CLAMP ASSY, 1/2	

57541930 LIGHTS,NIGHT-9 LIGHT PKG



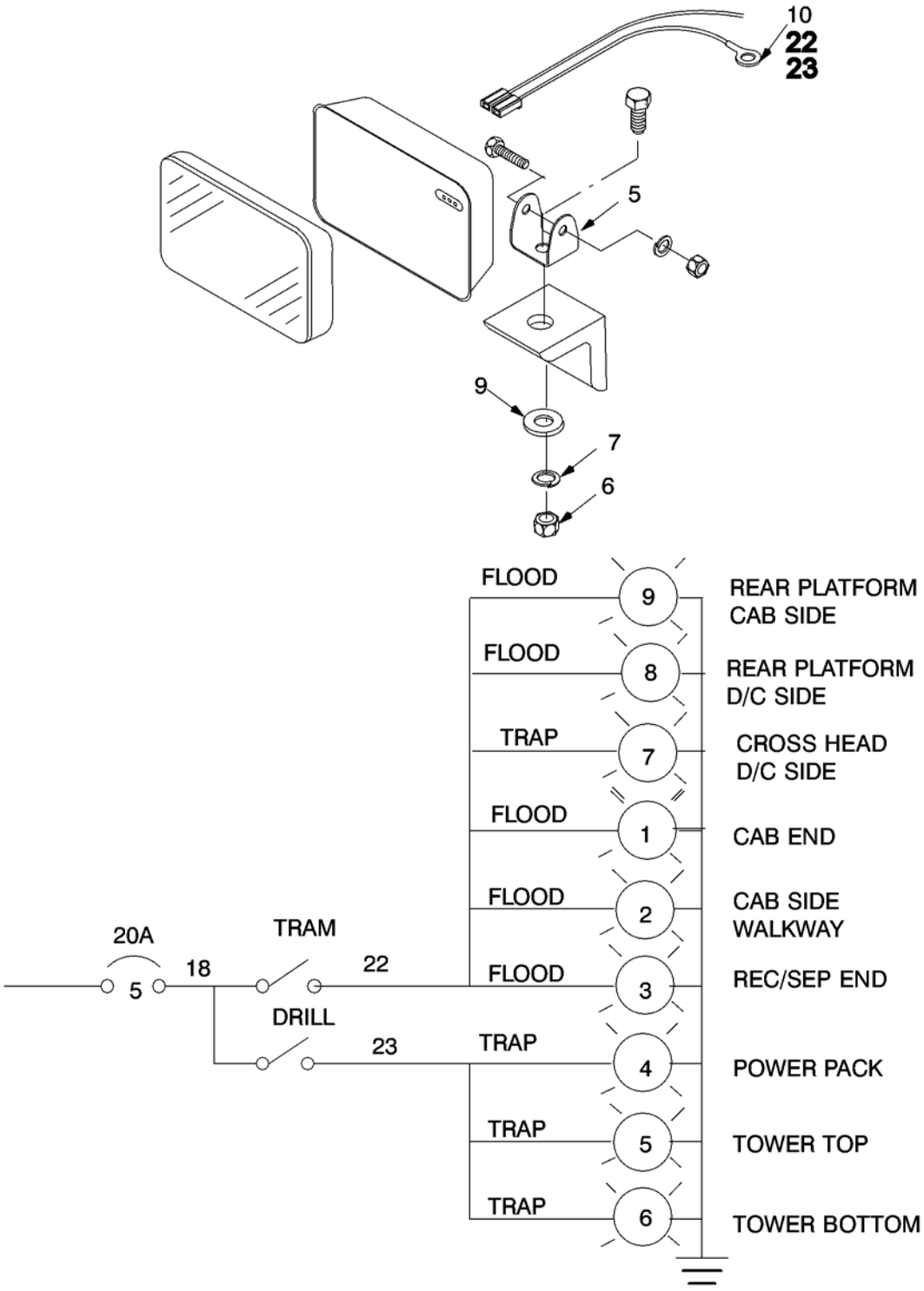
BOM 57541930

57541930 LIGHTS,NIGHT-9 LIGHT PKG



D2657541930 REV 007

57541930 LIGHTS,NIGHT-9 LIGHT PKG

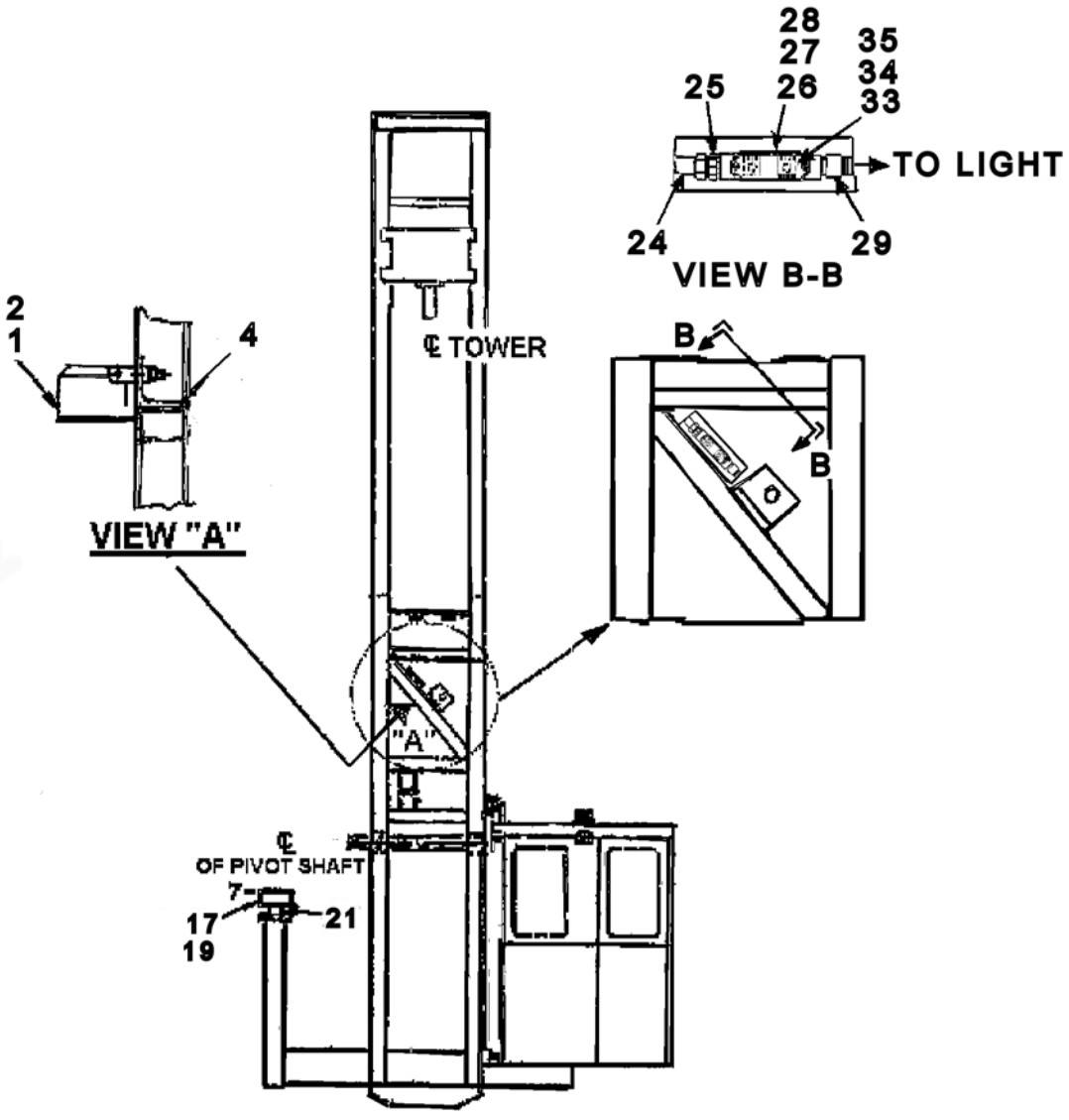


D2657541930 REV 007

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

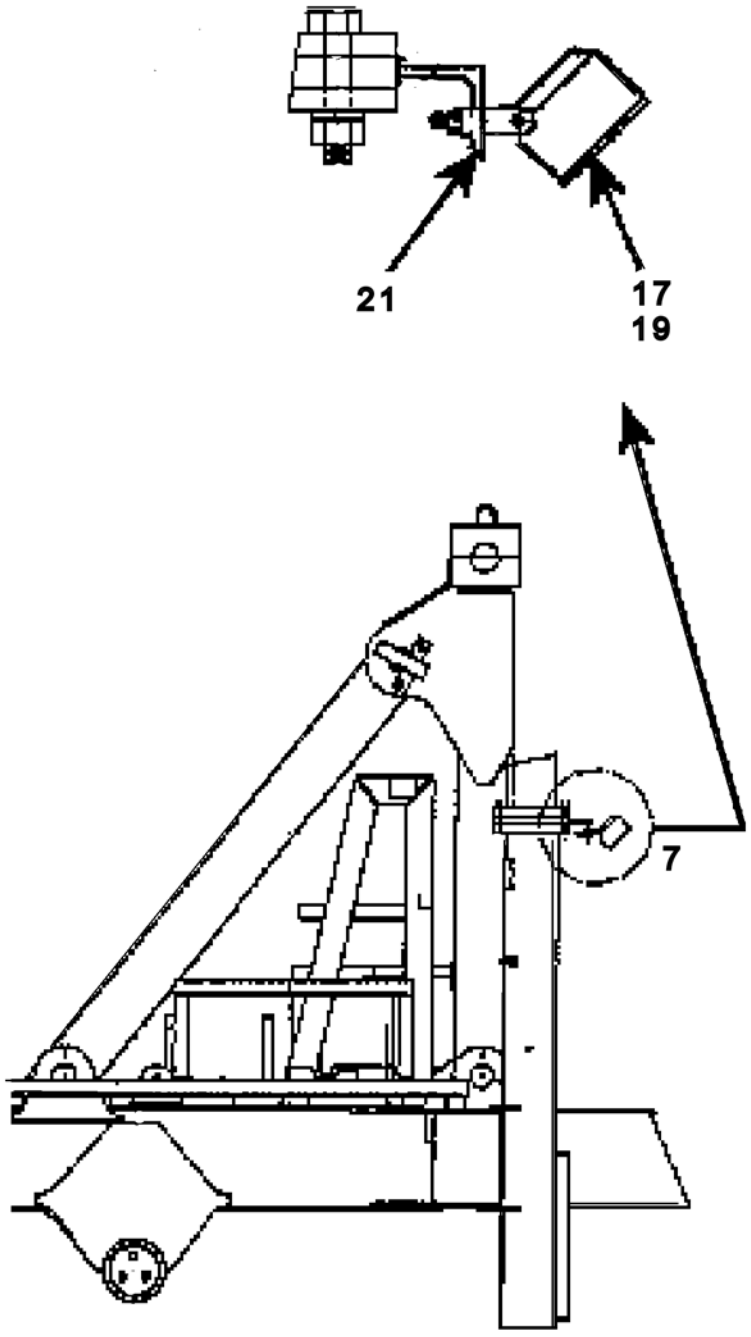
BOM 57541930

57541930 LIGHTS,NIGHT-9 LIGHT PKG



D2657541930 REV 007

57541930 LIGHTS,NIGHT-9 LIGHT PKG

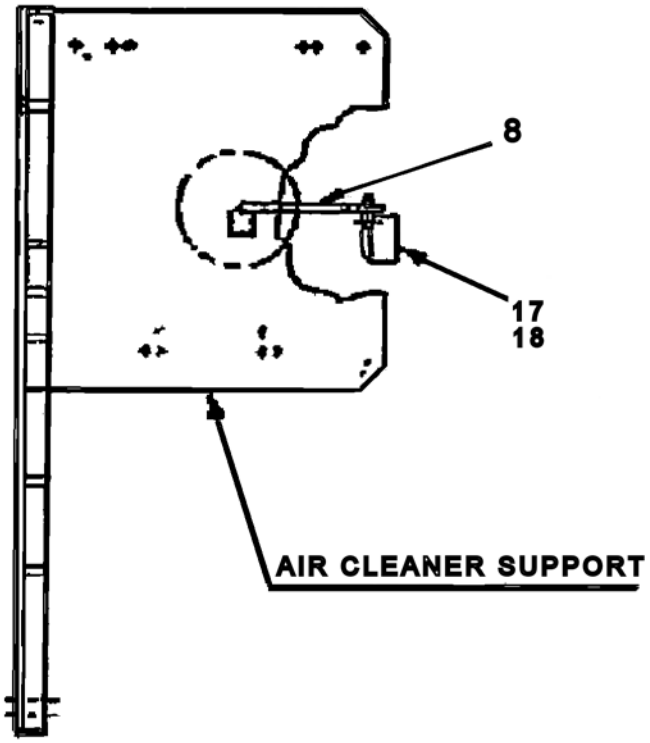


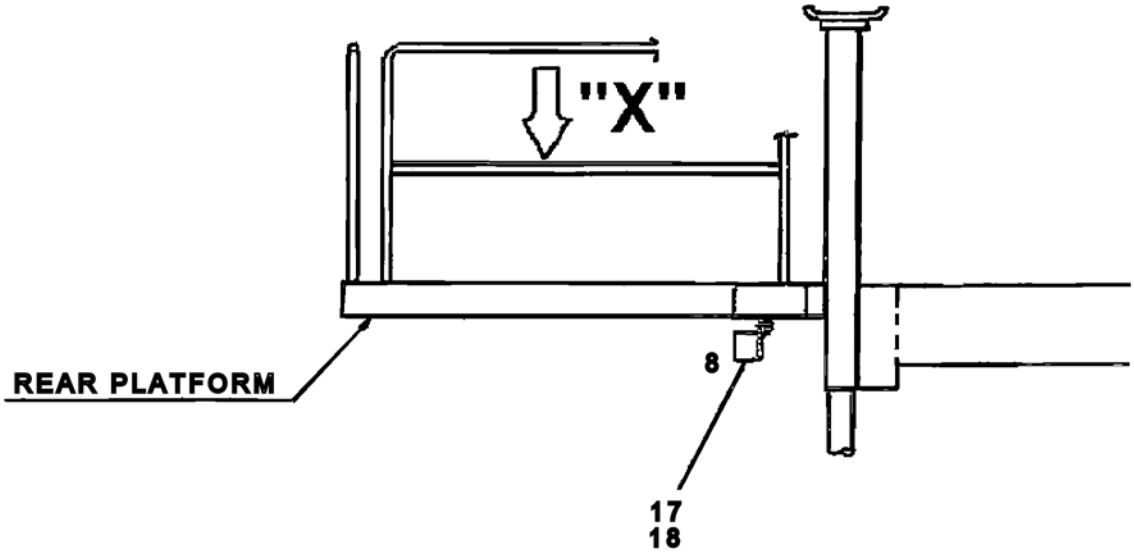
SINGLE PASS

D2657541930 REV 007

BOM 57541930

57541930 LIGHTS,NIGHT-9 LIGHT PKG





D2657541930 REV 007

BOM 57541930

57541930 LIGHTS,NIGHT-9 LIGHT PKG

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57157885	1.0	EA	HOUSING, 4X6 LIGHT	
002.0	57157893	1.0	EA	LAMP, TRAP-70W HALOGEN	
003.0	57147282	2.0	EA	LAMP, FLOOD-70W HALOGEN	
005.0	95920682	9.0	EA	CAPSCREW,HEX	
006.0	95922654	9.0	EA	WASHER,LOCK	
007.0	95922894	9.0	EA	NUT,HEX	
008.0	57330110	1.0	EA	BAR, W/HOLES, 3/8X2X11	
009.0	95922233	9.0	EA	WASHER,FLAT,WIDE	
010.0	59854943	6.0	EA	CONNECTOR,16-14,FEMALE	
011.0	95301834	7.0	EA	CLAMP,HOSE	
012.0	95934550	7.0	EA	CAPSCREW,HEX	
013.0	95922894	7.0	EA	NUT,HEX	
014.0	95937413	7.0	EA	WASHER,LOCK,HELICAL	
015.0	57157885	4.0	EA	HOUSING, 4X6 LIGHT	
016.0	57157893	2.0	EA	LAMP, TRAP-70W HALOGEN	
017.0	57157885	4.0	EA	HOUSING, 4X6 LIGHT	
018.0	57147282	3.0	EA	LAMP, FLOOD-70W HALOGEN	
019.0	57157893	1.0	EA	LAMP, TRAP-70W HALOGEN	
022.0	57400715	12.0	EA	SEAL,14-12AWG,PIN,CABLE	
023.0	59854828	12.0	EA	TERMINAL,16-14,MALE PIN	
024.0	95245049	220.0	IN	CONDUIT,FLEX-1/2SEALTITE	
025.0	52243862	1.0	EA	CONNECTOR	
026.0	52161767	1.0	EA	OUTLET BODY	
027.0	95344818	3.0	EA	COVER	
028.0	95344867	3.0	EA	GASKET,COVER	
029.0	95245072	3.0	EA	CONNECTOR	
030.0	95361390	1.0	EA	CONNECTOR, 1/2 90 DEG	
031.0	95735049	1.0	EA	OUTLET BODY	
032.0	95344719	1.0	EA	OUTLET BODY	
033.0	95934774	8.0	EA	CAPSCREW	
034.0	95934766	8.0	EA	WASHER,LOCK,HELICAL	
035.0	52240959	8.0	EA	PLATE,TAPPED	
036.0	95256863	1.0	EA	BUSHING,REDUCING	
037.0	52240348	1.0	EA	NUT,SEALING	
038.0	52240397	1.0	EA	BOX,3/4,STONCO	
039.0	95315214	1.0	EA	NIPPLE,NPTF DRYSEAL	
040.0	52236783	2.0	EA	CLAMP ASSY, 1/2	
-	52240439	1.0	EA	- PLATE,TAPPED	
-	95256723	1.0	EA	- CLAMP-1/2	
-	95934766	1.0	EA	- WASHER,LOCK,HELICAL	
-	95865937	1.0	EA	- CAPSCREW	

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57541930

57541930 LIGHTS,NIGHT-9 LIGHT PKG

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
041.0	95318457	1.0	EA	CONNECTOR	

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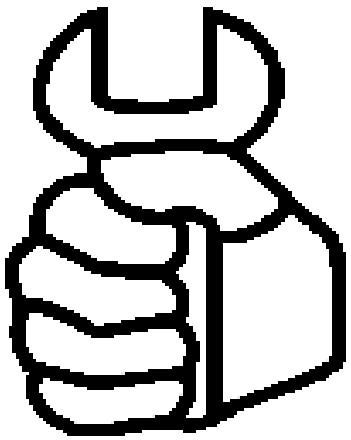
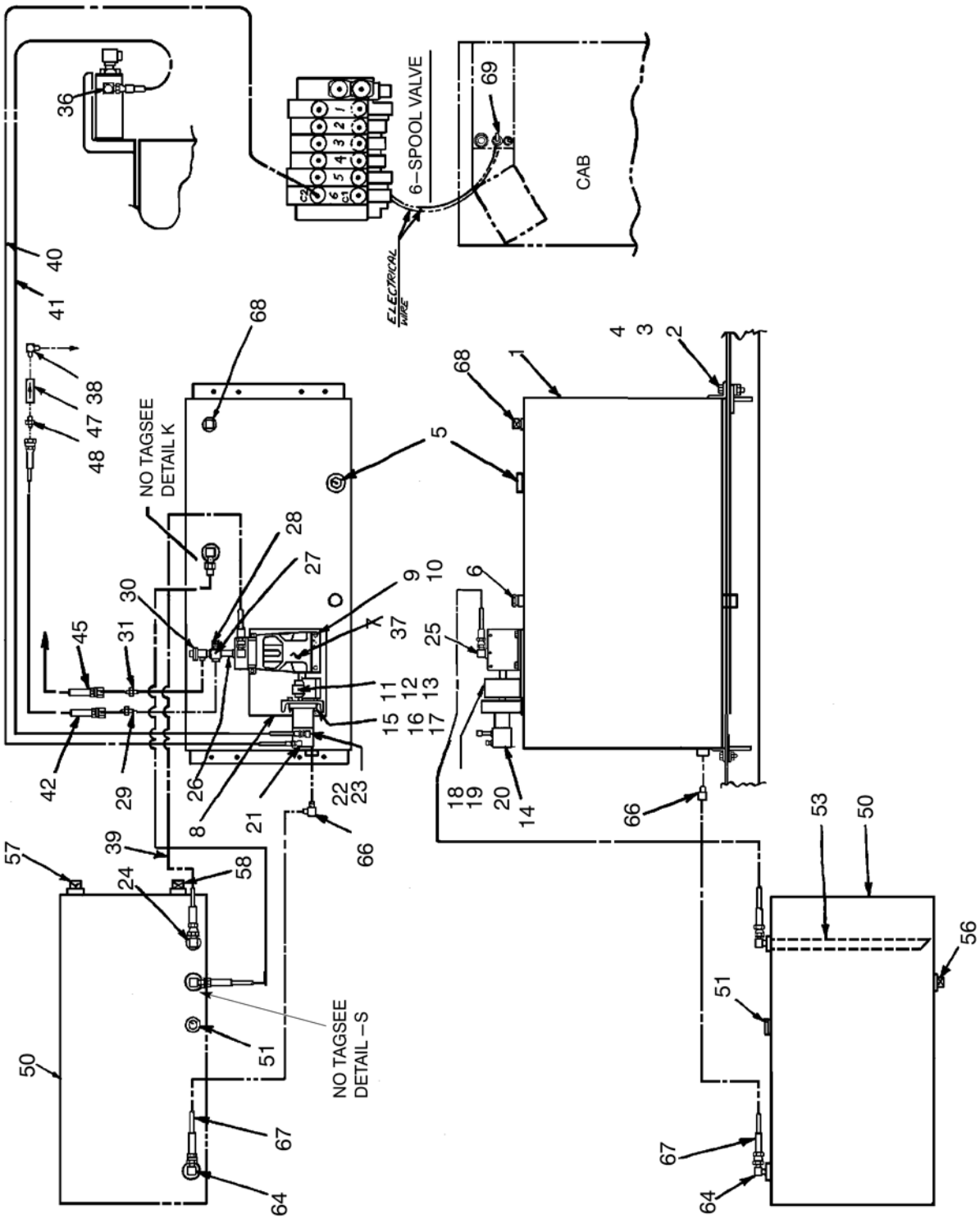


Section L - Options

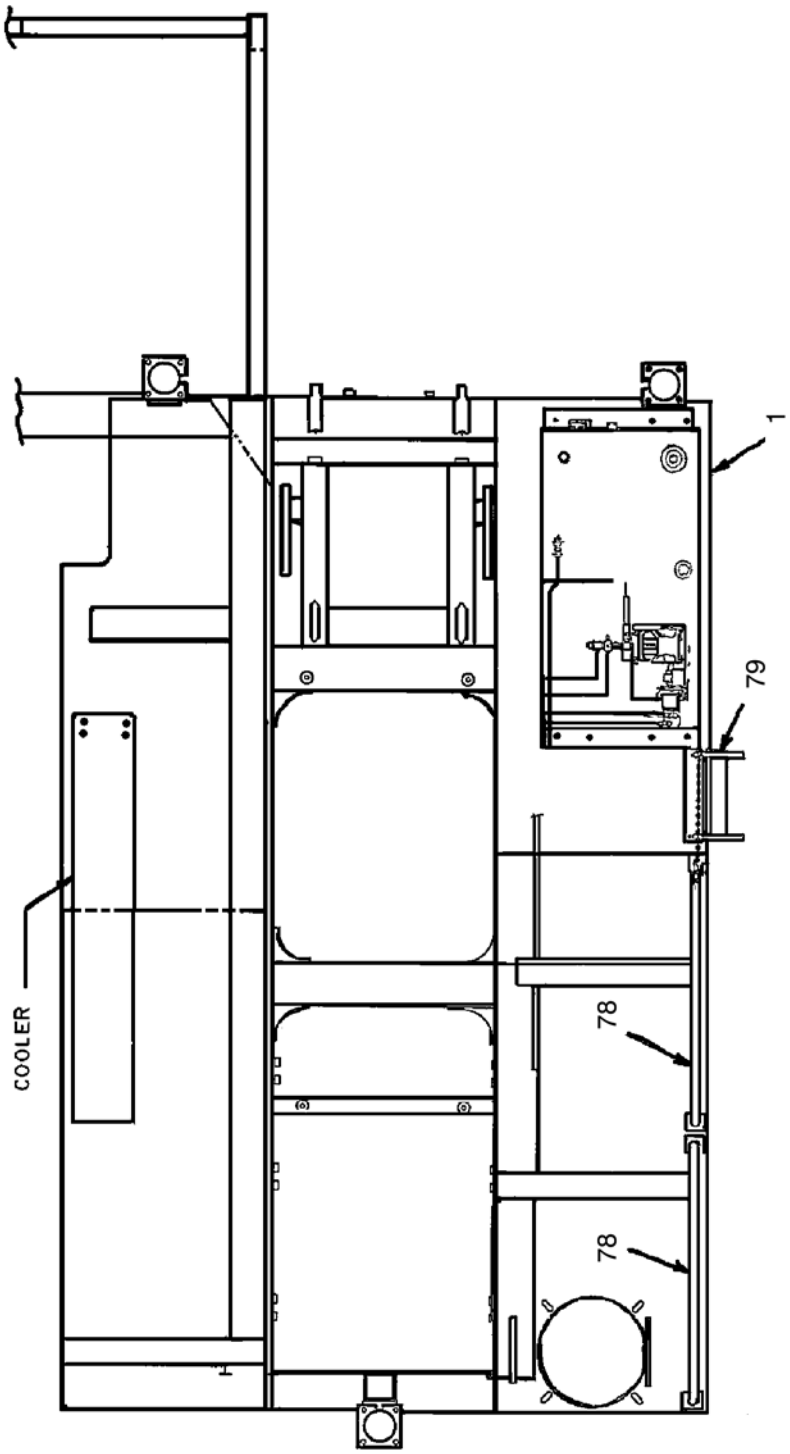
56256266 INJ,WATER,700G/8GPM,ELEC



TB2656256266 REV 012

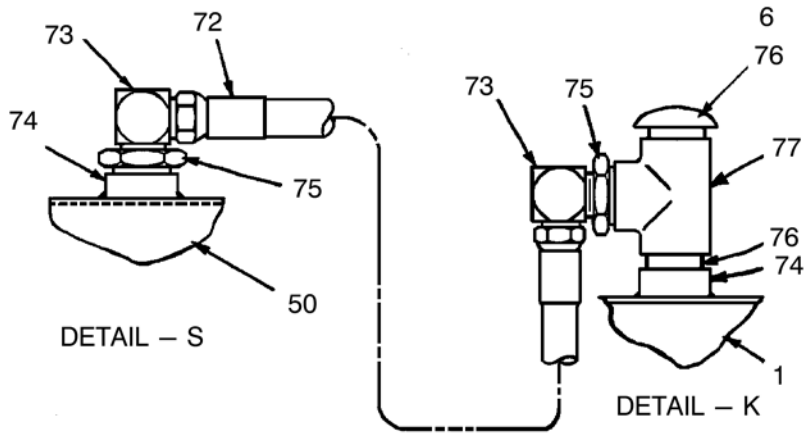
BOM 56256266

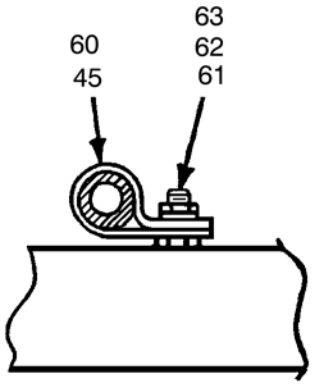
56256266 INJ,WATER,700G/8GPM,ELEC



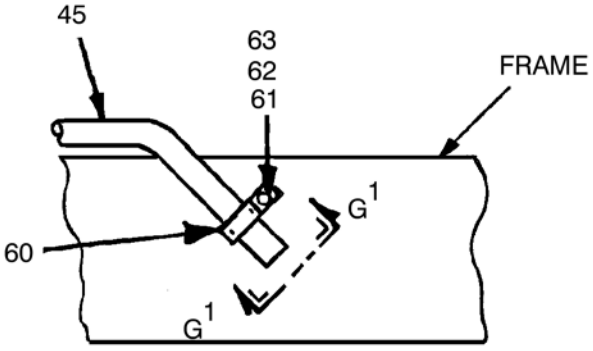
TB2656256266 REV 012

56256266 INJ,WATER,700G/8GPM,ELEC





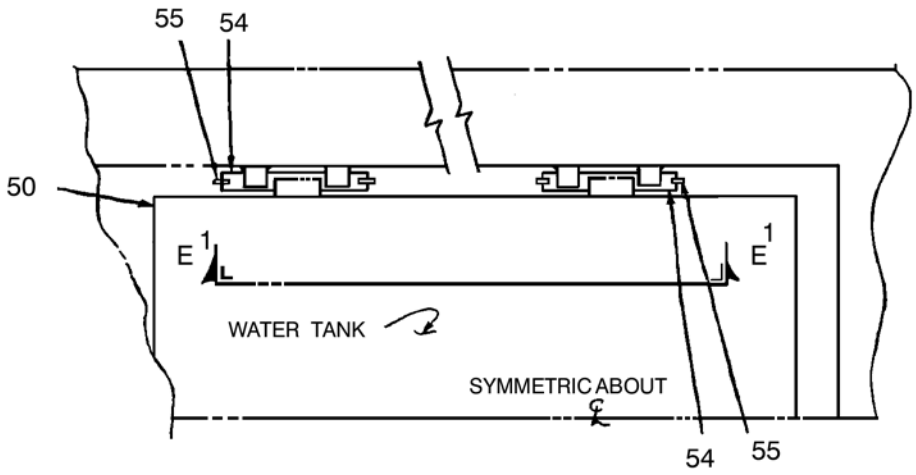
VIEW $G^1 - G^1$

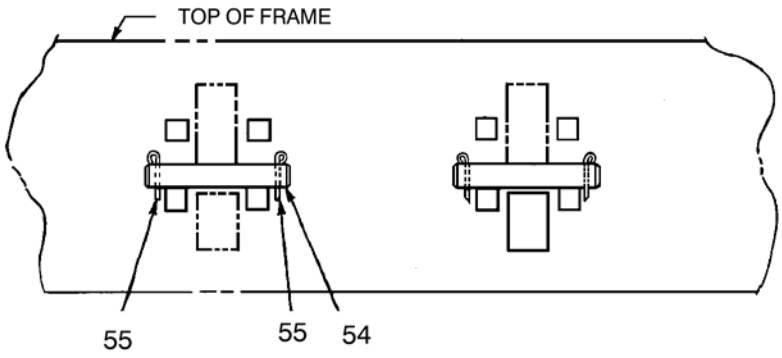


VIEW G

BOM 56256266

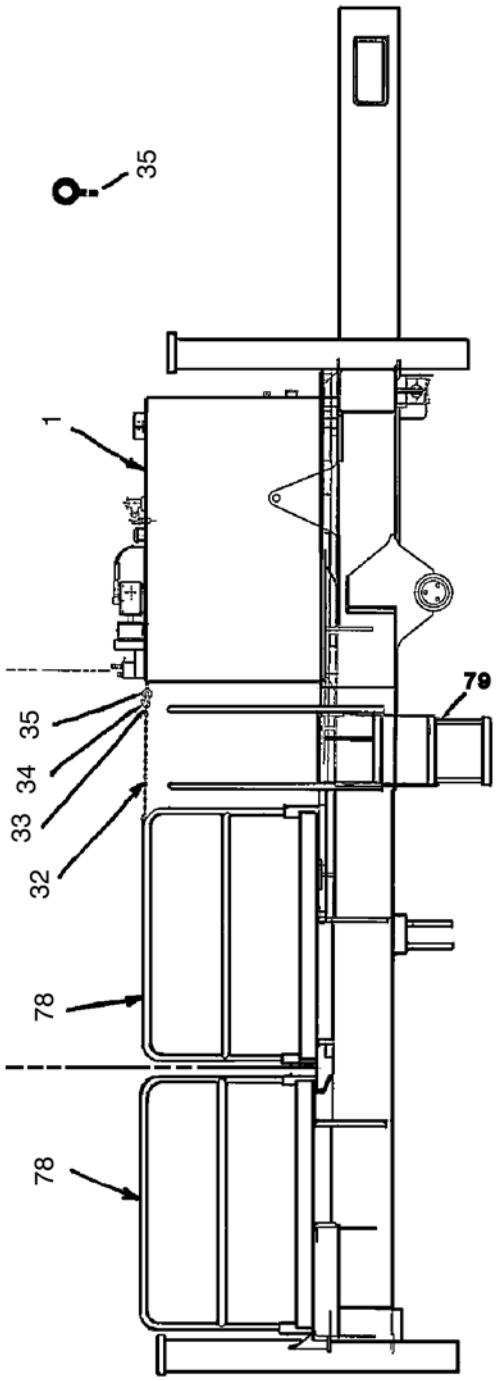
56256266 INJ,WATER,700G/8GPM,ELEC





VIEW $E^1 - E^1$

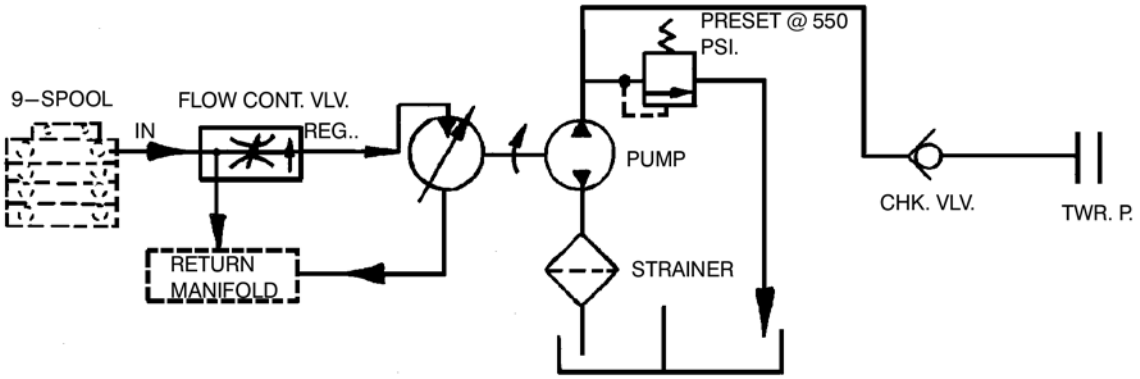
56256266 INJ,WATER,700G/8GPM,ELEC

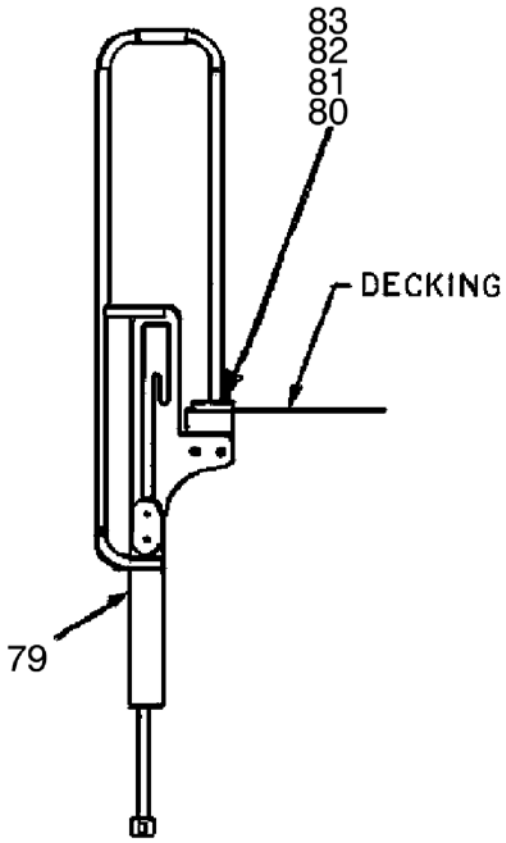


TB2656256266 REV 012

BOM 56256266

56256266 INJ,WATER,700G/8GPM,ELEC





VIEW A–A

TB2656256266 REV 012

BOM 56256266

56256266 INJ,WATER,700G/8GPM,ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57383127	1.0	EA	TANK VAPOSAL-400 GALS	
002.0	95287439	8.0	EA	CAPSCREW	
003.0	95064721	8.0	EA	WASHER,LOCK-9/16	
004.0	95077806	8.0	EA	NUT,HEX	
005.0	50617562	1.0	EA	GAUGE,FUEL	
006.1	50067479	2.0	EA	CAP	
007.0	50822147	1.0	EA	PUMP,WATER-8 GPM	**See Page 546**
008.0	52153087	1.0	EA	BASE,WATER INJECTION	
009.0	95920674	4.0	EA	CAPSCREW,HEX	
010.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
011.0	50463868	1.0	EA	COUPLING ASM	
012.0	95279659	1.0	EA	KEY	
013.0	95268611	1.0	EA	KEY	
014.0	52235207	1.0	EA	MOTOR, HYDRAULIC	**See Page 550**
015.0	95919569	2.0	EA	CAPSCREW	
016.0	95934733	2.0	EA	WASHER,LOCK	
017.0	95922902	2.0	EA	NUT,HEX,FINISHED,PLATED	
018.0	52231107	1.0	EA	GUARD, COUPLING	
019.0	95067583	2.0	EA	CAPSCREW	
020.0	95934766	4.0	EA	WASHER,LOCK,HELICAL	
021.0	95303350	1.0	EA	ELBOW	
022.0	95529079	1.0	EA	ADAPTER,FEMALE,STRT,THD	
023.0	95381380	1.0	EA	FITTING,HYD	
024.1	95280194	1.0	EA	ELBOW,90 DEG STRT THRD	
025.0	95219853	1.0	EA	ELBOW,90 DEG MALE	
026.0	95084125	1.0	EA	NIPPLE,PIPE	
027.0	95364956	1.0	EA	FITTING,HYD	
028.0	95002143	1.0	EA	PLUG,PIPE-SQ HEAD	
029.0	95219739	1.0	EA	ADAPTER	
030.0	52146883	1.0	EA	VALVE,RELIEF	
031.0	95219747	1.0	EA	CONNECTOR,MALE,37 DEG	
032.0	50699321	33.0	IN	CHAIN,BULK-3/16 COIL	
033.0	56801053	1.0	EA	LINK	
034.0	57376246	1.0	EA	HOOK,SAFETY SNAP	
035.0	95037255	1.0	EA	BOLT,EYE	
036.0	95330692	1.0	EA	ELBOW,90 DEG STRT THRD	
037.0	57596108	1.0	QT	OIL,SAE-30WT,NON-DETERG	
038.1	95364469	1.0	EA	FITTING,HYD	
039.0	56973605	1.0	EA	HOSE ASSY	
040.0	57009367	1.0	EA	HOSE ASSY	
041.1	57328973	1.0	EA	HOSE ASSY	
042.1	58202557	1.0	EA	HOSE ASSY	

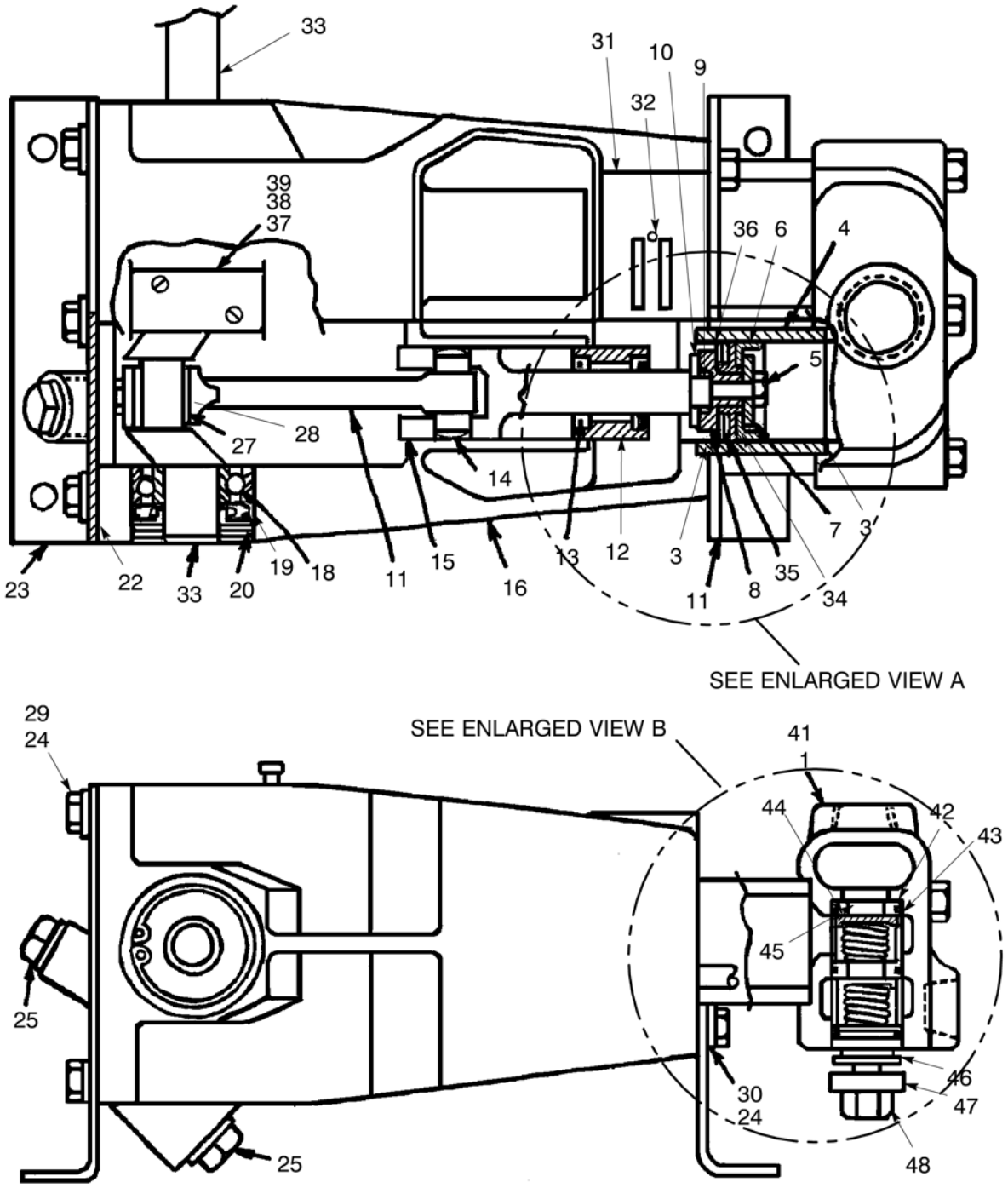
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 56256266

56256266 INJ,WATER,700G/8GPM,ELEC

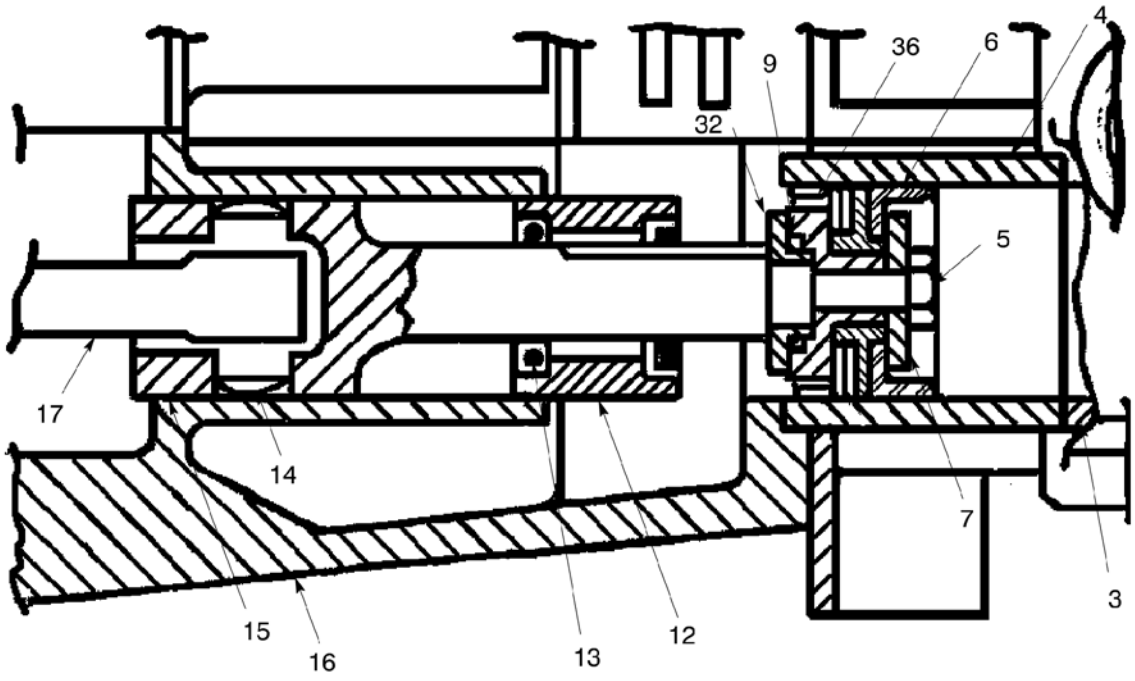
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
045.1	57438699	1.0	EA	HOSE ASSY	
047.0	57552275	1.0	EA	VALVE,CHECK,.25NPT	
048.0	95338372	1.0	EA	FITTING,HYD	
050.0	57474603	1.0	EA	TANK,WATER-300 GAL.	
051.1	50616770	1.0	EA	GAUGE,FUEL	
053.0	57475873	1.0	EA	TUBE,SUCTION,FUEL	
-	95663803	1.0	EA	- FITTING, TUBE	
054.0	57474579	4.0	EA	PIN, SUPPORT-FUEL TANK	
055.0	52266731	8.0	EA	PIN, COTTER	
056.1	95746194	1.0	EA	PLUG, ORING-SAE 32	
057.0	95101044	1.0	EA	PLUG,PIPE	
058.0	95249694	1.0	EA	PLUG,PIPE,SQ HEAD	
060.0	95301883	1.0	EA	CLAMP,HOSE	
061.0	95920674	1.0	EA	CAPSCREW,HEX	
062.0	95937413	1.0	EA	WASHER,LOCK,HELICAL	
063.0	95922894	1.0	EA	NUT,HEX	
064.0	95316915	1.0	EA	ADPT 90 DEG.	
066.0	95286910	1.0	EA	ELBOW,90 DEG MALE	
067.1	57436735	1.0	EA	HOSE ASSY	
068.0	95038394	1.0	EA	CAP	
069.0	57338279	1.0	EA	CONTROLLER, ROTARY PROP	
072.0	56972631	1.0	EA	HOSE ASSY	
073.0	95279477	2.0	EA	FITTING,HYD	
074.0	50518083	4.0	EA	SHIM SET	
075.0	95038212	2.0	EA	BUSHING,PIPE,REDUCING	
076.0	95048641	1.0	EA	NIPPLE	
077.0	95063525	1.0	EA	TEE,PIPE	
078.0	57471989	2.0	EA	HANDRAIL ASSY-60 CNTDIST	
079.0	57724619	1.0	EA	LADDER,W/HANDRAIL,FOLD	**See Page 552**
080.0	95934584	4.0	EA	CAPSCREW	
081.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
082.0	95922894	4.0	EA	NUT,HEX	
083.0	95922233	4.0	EA	WASHER,FLAT,WIDE	

50822147 PUMP,WATER-8 GPM



50822147 PUMP,WATER-8 GPM

52 – KIT, REPAIR–PISTON (NOT SHOWN) INCLUDES ITEMS 3,6,9,36

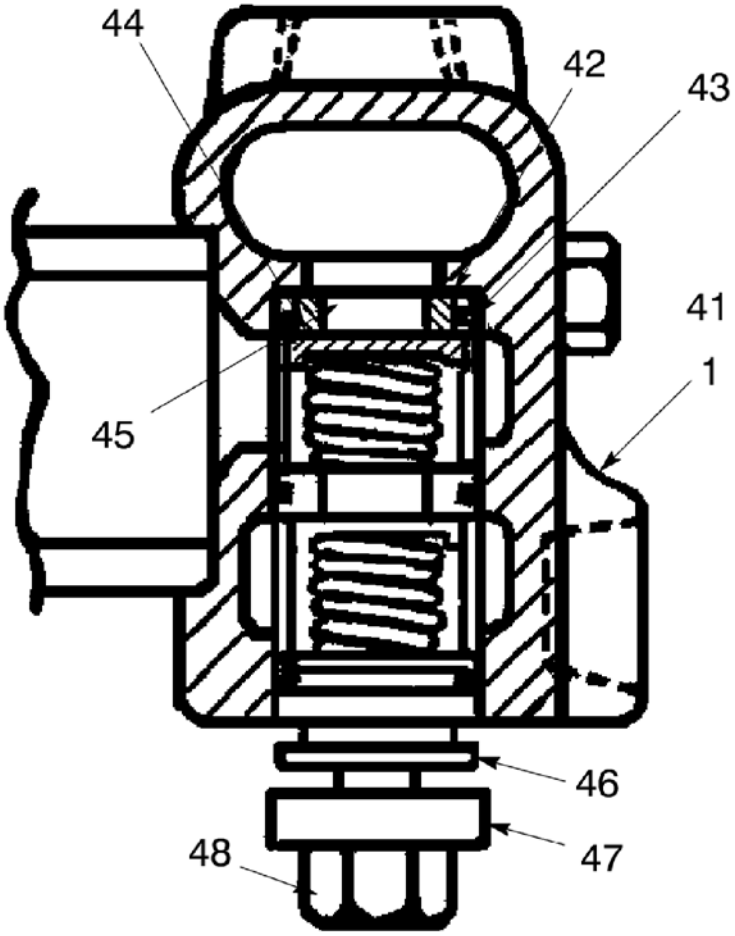


ENLARGED VIEW– A

50822147 PUMP,WATER-8 GPM

1 – VALVE CHAMBER INCLUDES ITEMS 41,42,43,44,45,46,47,48,

51 – KIT, REPAIR–VALVE (NOT SHOWN) INCLUDES ITEMS 42,43,44



ENLARGED VIEW– B

E2650822147 REV 003

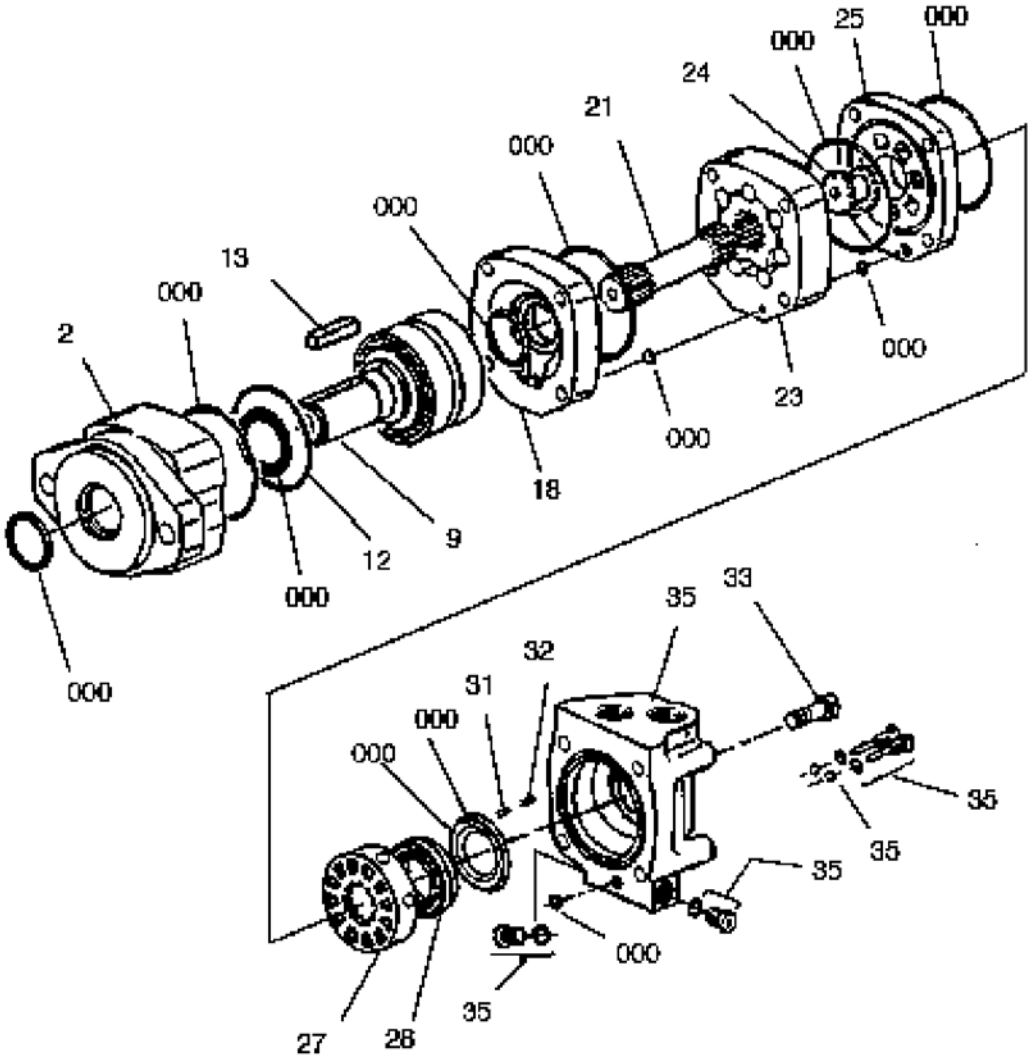
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 50822147

50822147 PUMP,WATER-8 GPM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52144276	2.0	EA	CHAMBER	
003.0	57726861	4.0	EA	GASKET,CYLINDER	
004.0	50615871	2.0	EA	CYLINDER,WATER PUMP	
005.0	50718105	2.0	EA	SCREW	
006.0	57726895	2.0	EA	CUP,FABRIC,1.625	
007.0	52144425	2.0	EA	WASHER	
008.0	52144318	2.0	EA	PACKING	
009.0	50632660	2.0	EA	O'RING	
010.0	57778276	2.0	EA	WASHER,UMBRELLA	
011.0	50718063	1.0	EA	FOOT, FRONT	
012.0	50718071	2.0	EA	SEAL	
013.0	50718089	4.0	EA	SEAL	
014.0	50718030	2.0	EA	PIN,WRIST	
015.0	50718048	2.0	EA	CROSSHEAD	
016.0	50718055	1.0	EA	CASE	
017.0	50718022	2.0	EA	ROD ASSY	
018.0	50717974	2.0	EA	BEARING,BALL	
019.0	50632694	2.0	EA	SEAL	
020.0	50717982	2.0	EA	RING, SNAP	
022.0	57778664	1.0	EA	GASKET,BASE	
023.0	50717990	1.0	EA	REAR FOOT	
025.0	50718162	2.0	EA	PLUG	
027.0	50709013	2.0	EA	INSERT, BEARING	
028.0	50718170	1.0	EA	AIR VENT	
029.0	50632710	6.0	EA	WASHER	
030.0	50718188	2.0	EA	WASHER, LOCK	
033.0	50708890	1.0	EA	CRANKSHAFT	
034.0	52144334	2.0	EA	SPACER	
035.0	52144326	2.0	EA	WASHER	
036.0	57780090	2.0	EA	PACKING	
037.0	52144391	1.0	EA	SLINGER	
038.0	52144409	1.0	EA	NUT, SPEED	
039.0	52144417	2.0	EA	SCREW	
051.0	50822154	1.0	EA	KIT,WATER INJ REPAIR-VLV	
052.0	50822162	1.0	EA	KIT,WATER INJ REPR-PSNT	

52235207 MOTOR, HYDRAULIC

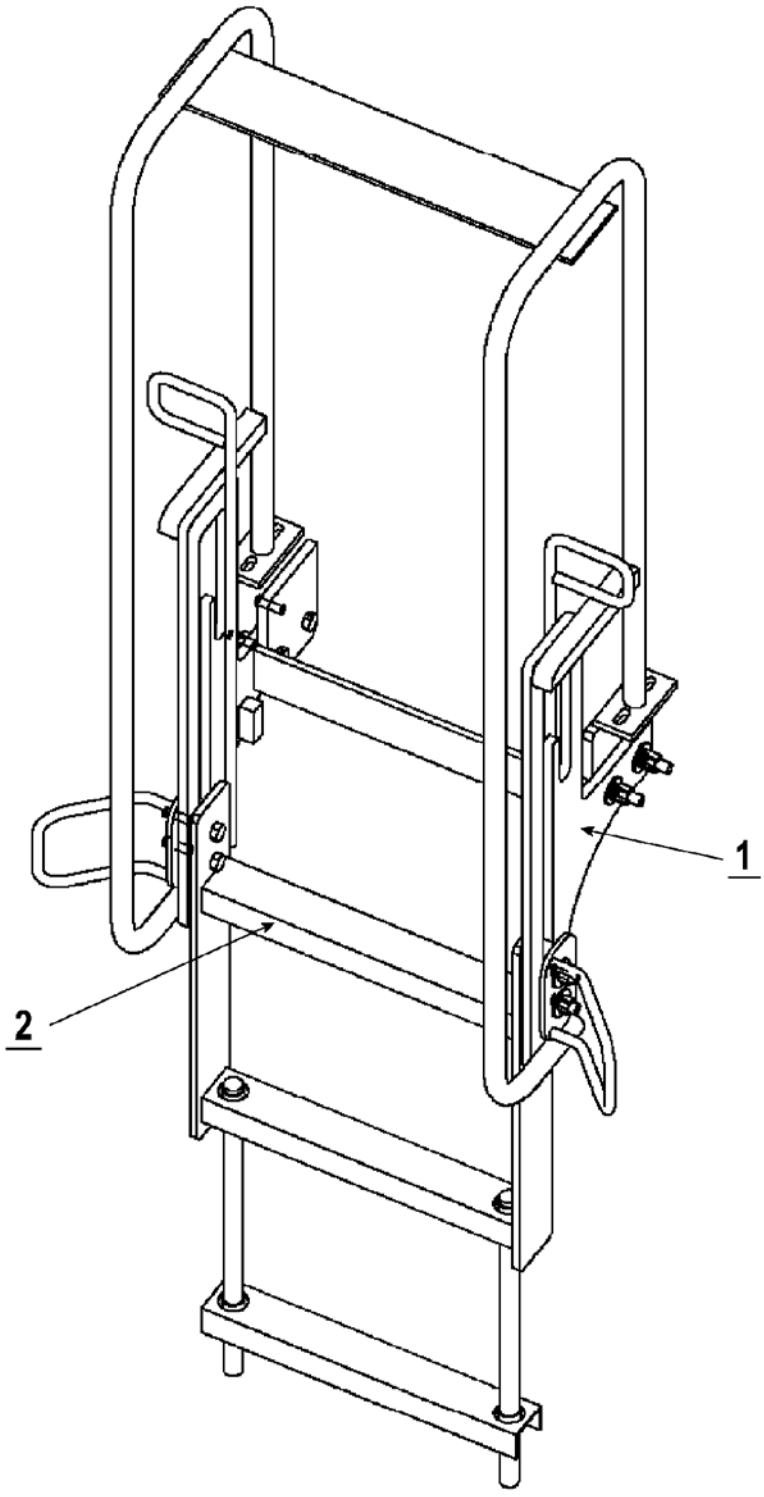


BOM 52235207

52235207 MOTOR, HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
000.0	59729707	1.0	EA	KIT, SEAL	
002.0	50875368	1.0	EA	HOUSING, BEARING	
009.0	52249869	1.0	EA	SUB 58182874 MOTOR,HYD	
012.0	51375475	1.0	EA	KIT, SPACER BEARING	
013.0	52249877	1.0	EA	KEY	
018.0	50875426	1.0	EA	PLATE, WEAR	
021.0	52249885	1.0	EA	DRIVE	
023.0	57012478	1.0	EA	GEROLER	
024.0	50907104	1.0	EA	DRIVE	
025.0	50907112	1.0	EA	PLATE	
027.0	50907120	1.0	EA	VALVE	
028.0	50875491	1.0	EA	PLATE, BALANCE	
031.0	50875525	2.0	EA	PIN	
032.0	50875533	2.0	EA	SPRING	
033.0	52249901	4.0	EA	BOLT	
035.0	50961184	1.0	EA	HOUSING, VALVE	
-	50907146	1.0	EA	- PLUG ASSEMBLY	
-	50907179	2.0	EA	- PLUG ASSEMBLY, CHECK	
-	50806488	2.0	EA	- BALL, STEEL	

57724619 LADDER,W/HANDRAIL,FOLD



D57724619 REV 004

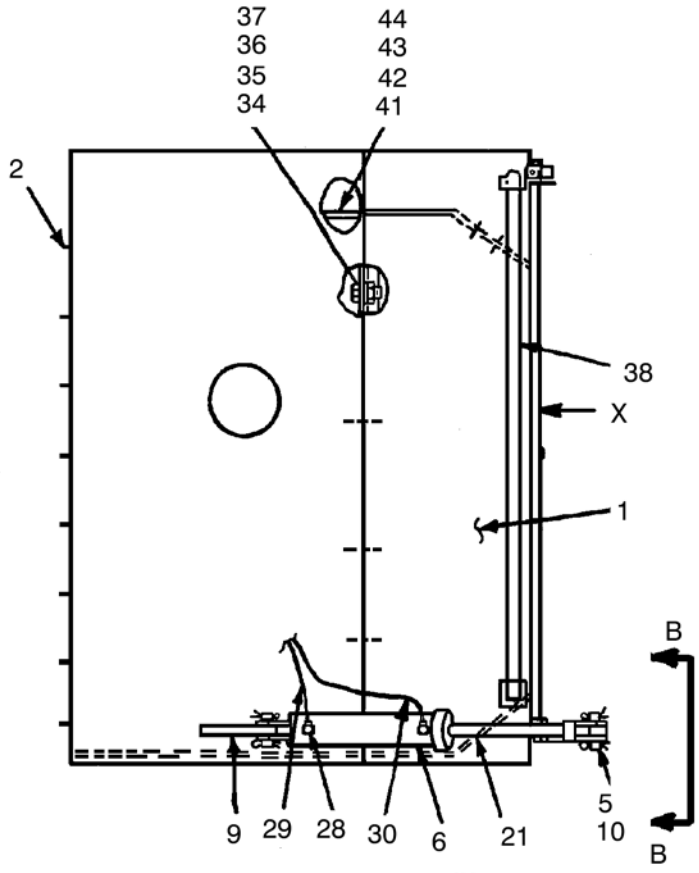
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57724619

57724619 LADDER,W/HANDRAIL,FOLD

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57664666	1.0	EA	SUB,57724619,LADDER/WHRL	
002.0	57664674	1.0	EA	HANDRAIL ASSEMBLY	

57555658 CURTAIN ASSY, STD, DML

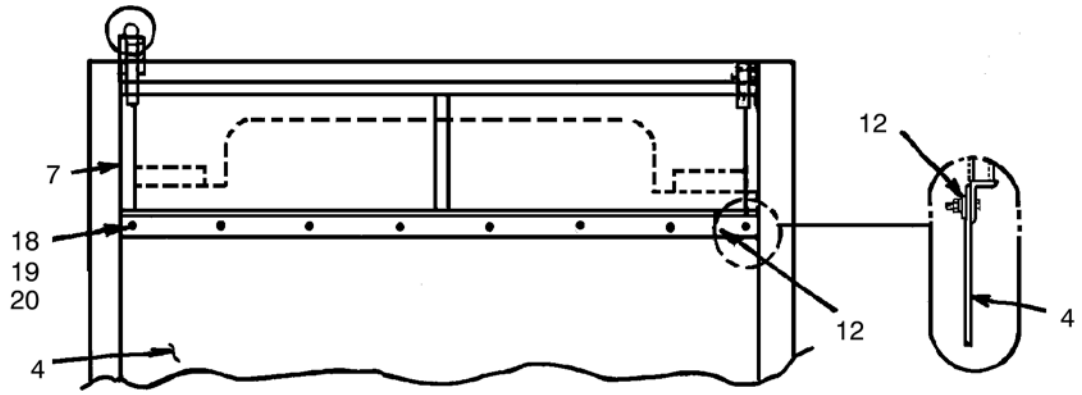


TB57555641 REV 003

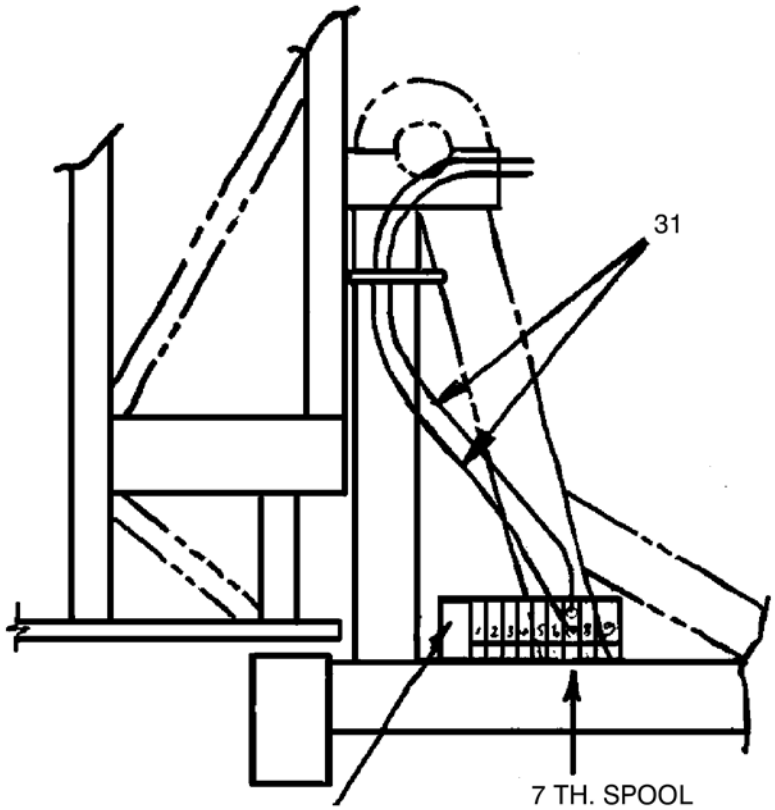
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57555658

57555658 CURTAIN ASSY, STD, DML



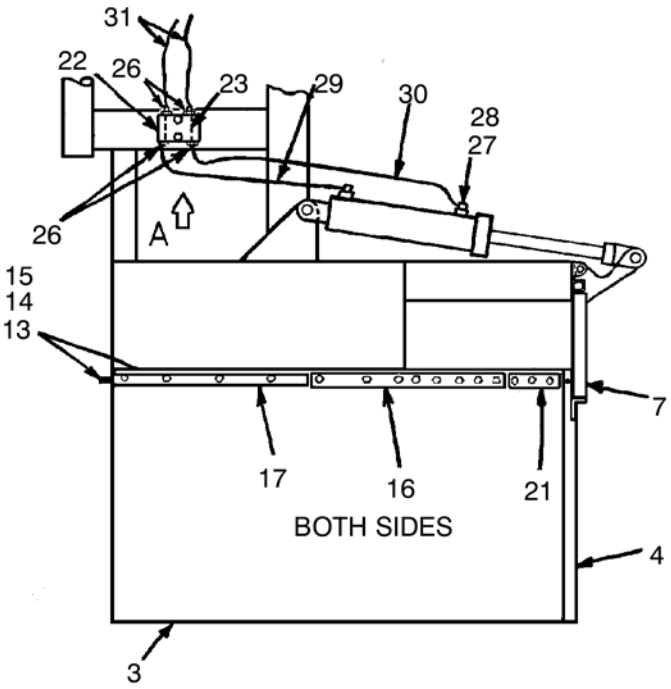
VIEW X

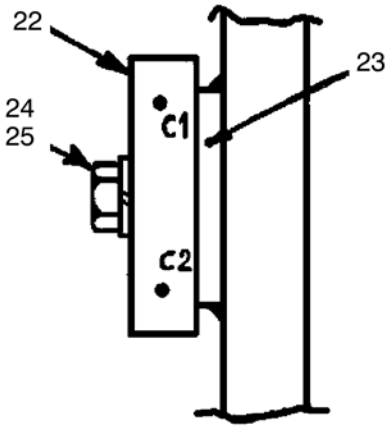


9–SPOOL VALVE

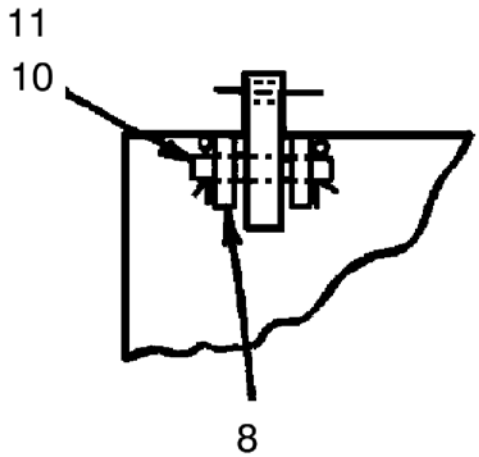
TB57555641 REV 003

57555658 CURTAIN ASSY, STD, DML





VIEW –A



VIEW B–B

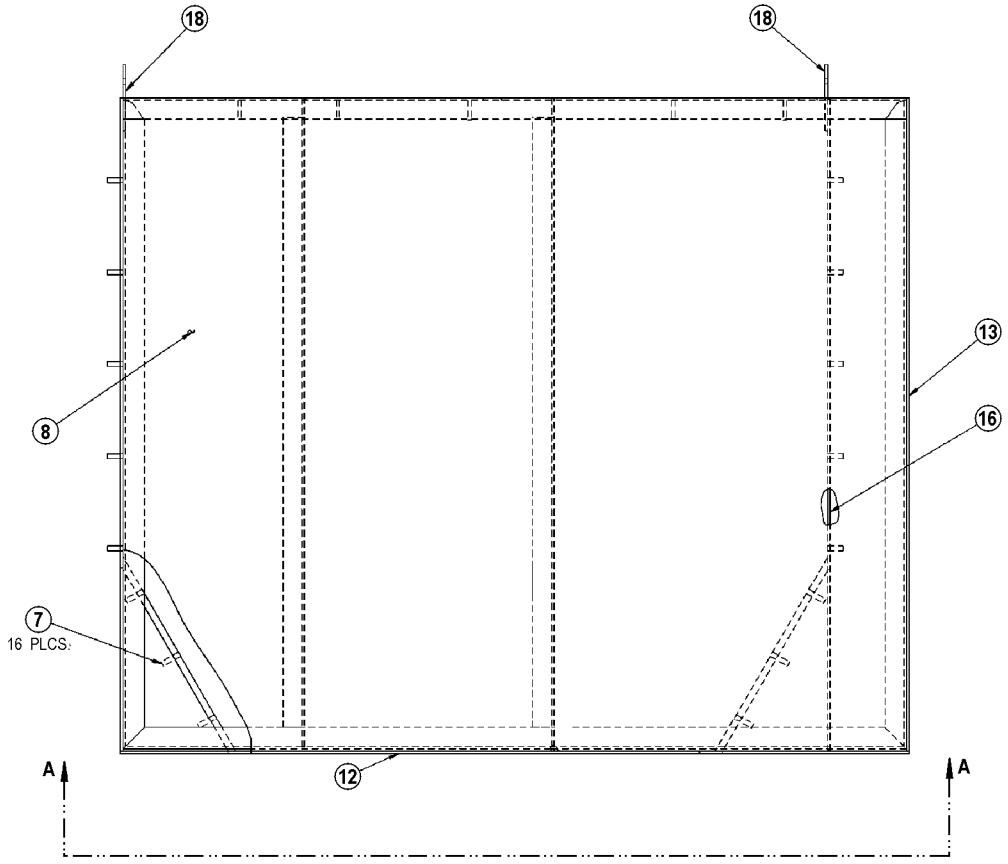
TB57555641 REV 003

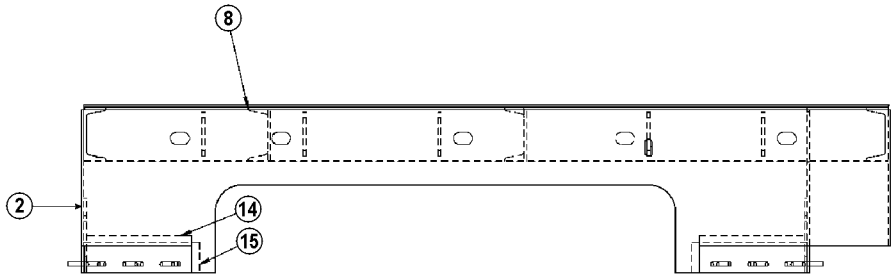
BOM 57555658

57555658 CURTAIN ASSY, STD, DML

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	56244916	1.0	EA	PLATFORM,DUST CURTAIN	**See Page 558**
003.0	57555633	1.0	EA	CURTAIN, DUST, STD, DML	
004.0	57521361	1.0	EA	CURTAIN FLAPPER	
005.0	95328530	2.0	EA	PIN,HINGE-1,DIAX1.13GRP	
006.0	57389983	1.0	EA	CYLINDER, HYDRAULIC	**See Page 560**
007.0	56245244	1.0	EA	FLAP,FRONT DUST CURTAIN	
008.0	57184616	4.0	EA	BRACKET	
009.0	57184590	1.0	EA	MOUNT, CYL.	
010.0	95210852	8.0	EA	PIN, COTTER	
011.0	95159331	2.0	EA	PIN,HINGE-5/8DIAX2.25GRP	
012.0	57507832	1.0	EA	STRAP	
013.0	95922894	38.0	EA	NUT,HEX	
014.0	95922233	38.0	EA	WASHER,FLAT,WIDE	
015.0	95937413	38.0	EA	WASHER,LOCK,HELICAL	
016.0	57555617	3.0	EA	STRAP, DUST CURTAIN	
017.0	57555609	2.0	EA	STRAP, DUST CURTAIN	
018.0	95920724	8.0	EA	CAPSCREW	
019.0	95242368	8.0	EA	NUT,HEX JAM	
020.0	95934766	8.0	EA	WASHER,LOCK,HELICAL	
021.0	57522104	2.0	EA	STRAP	
022.0	50462944	1.0	EA	VALVE,CHECK-DBL PILOTOP	
024.0	95943668	2.0	EA	CAPSCREW,HEX	
025.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
026.0	95356903	4.0	EA	CONNECTOR,STRT THRD	
027.0	57291049	1.0	EA	RESTRICTOR, JIC/JIC .062	
028.0	95279527	2.0	EA	ELBOW,90 DEG MALE	
029.0	58143439	1.0	EA	HOSE ASSY	
030.0	57392912	1.0	EA	HOSE ASSY	
031.0	57038424	2.0	EA	HOSE ASSY	
034.0	54565569	5.0	EA	SCREW,CAP,HEX	
035.0	95081659	5.0	EA	WASHER,FLAT	
036.0	95043162	5.0	EA	LOCKWASHER	
037.0	95941019	5.0	EA	LOCK NUT,HEX	
038.0	57424418	1.0	EA	HANDRAIL ASSY-50 CNTDIST	
041.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
042.0	95920682	4.0	EA	CAPSCREW,HEX	
043.0	95922233	4.0	EA	WASHER,FLAT,WIDE	
044.0	95958831	4.0	EA	NUT,HEX-LOCK,3/8-16UNC	

56244916 PLATFORM,DUST CURTAIN





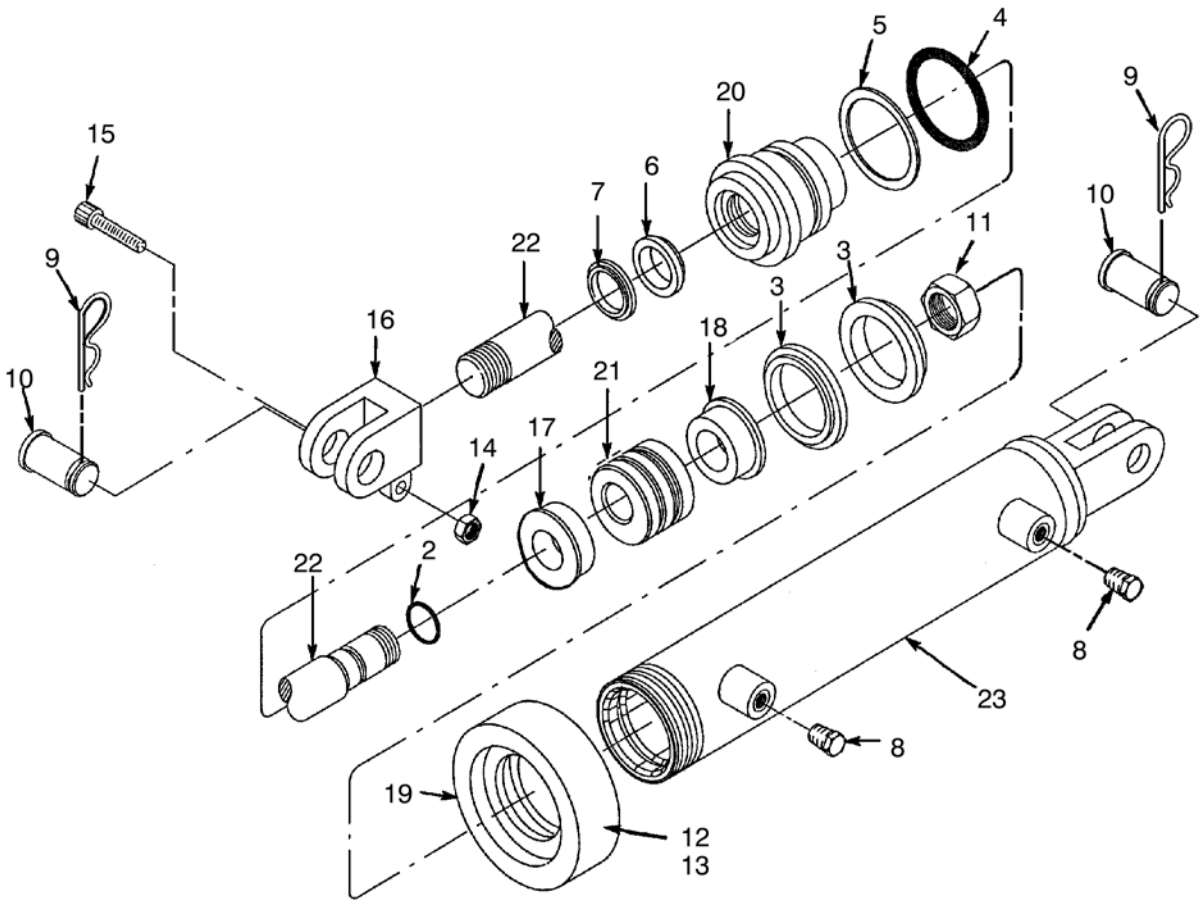
VIEW A-A

BOM 56244916

56244916 PLATFORM,DUST CURTAIN

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	56244940	1.0	EA	PLATE	
008.0	56244973	1.0	EA	PLATE	
012.0	57507394	1.0	EA	PLATE	
013.0	56244965	1.0	EA	PLATE	
014.0	57520512	2.0	EA	GUSSET	
015.0	57520520	2.0	EA	CORNER, PLATE	
016.0	56244981	1.0	EA	PLATE,DUST CURTAIN	
018.0	56243835	2.0	EA	PLATE,CONNECTION	

57389983 CYLINDER, HYDRAULIC



1 SEAL KIT
24 SEAL KIT

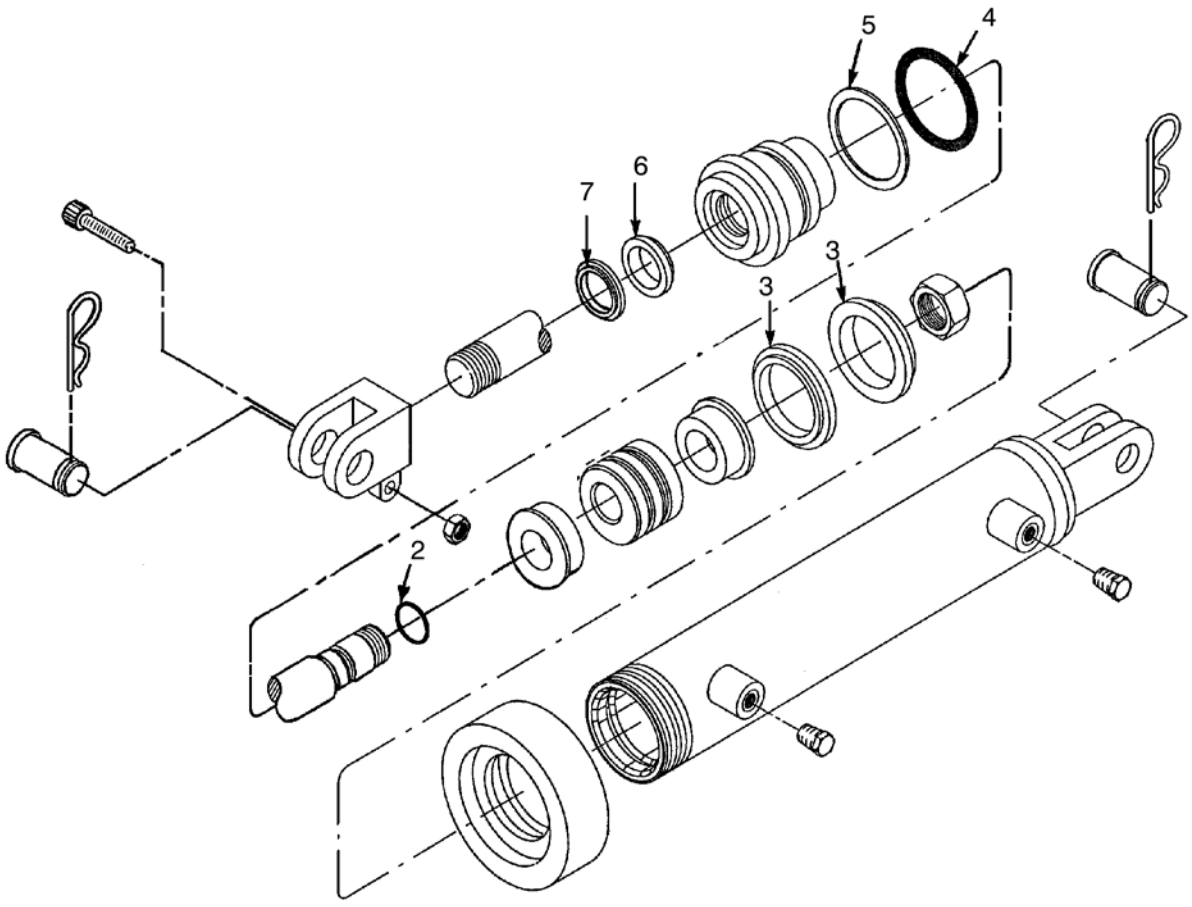
C2657389983 REV 002

BOM 57389983

57389983 CYLINDER, HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57396475	1.0	EA	SEAL KIT	**See Page 562**
002.0	57220238	1.0	EA	O-RING	
003.0	59752063	2.0	EA	U-CUP	
004.0	57163511	1.0	EA	O-RING	
005.0	57163529	1.0	EA	RING, BACK UP	
006.0	57233652	1.0	EA	U-CUP	
007.0	57233660	1.0	EA	WIPER	
008.0	57396491	2.0	EA	PLUG, PORT	
009.0	56975972	2.0	EA	PIN, CLIP	
010.0	56975964	2.0	EA	PIN, CLEVIS	
011.0	56998503	1.0	EA	NUT, LOCK	
012.0	57012684	1.0	EA	SCREW, SET	
013.0	57012676	1.0	EA	PLUG, NYLON	
014.0	57396509	1.0	EA	LOCKNUT	
015.0	57396517	1.0	EA	SCREW, CAP	
016.0	59321208	1.0	EA	CLEVIS, ROD	
017.0	57396525	1.0	EA	CUSHION SLEEVE	
018.0	57396533	1.0	EA	CUSHION SLEEVE	
019.0	59861179	1.0	EA	HEADCAP	
020.0	59861153	1.0	EA	HEAD	
021.0	57396566	1.0	EA	PISTON	
022.0	57396574	1.0	EA	ROD	
023.0	57396582	1.0	EA	TUBE ASSY	
024.0	57630931	0.0	EA	KIT,SEAL (CYL)ARCTIC	

57396475 SEAL KIT



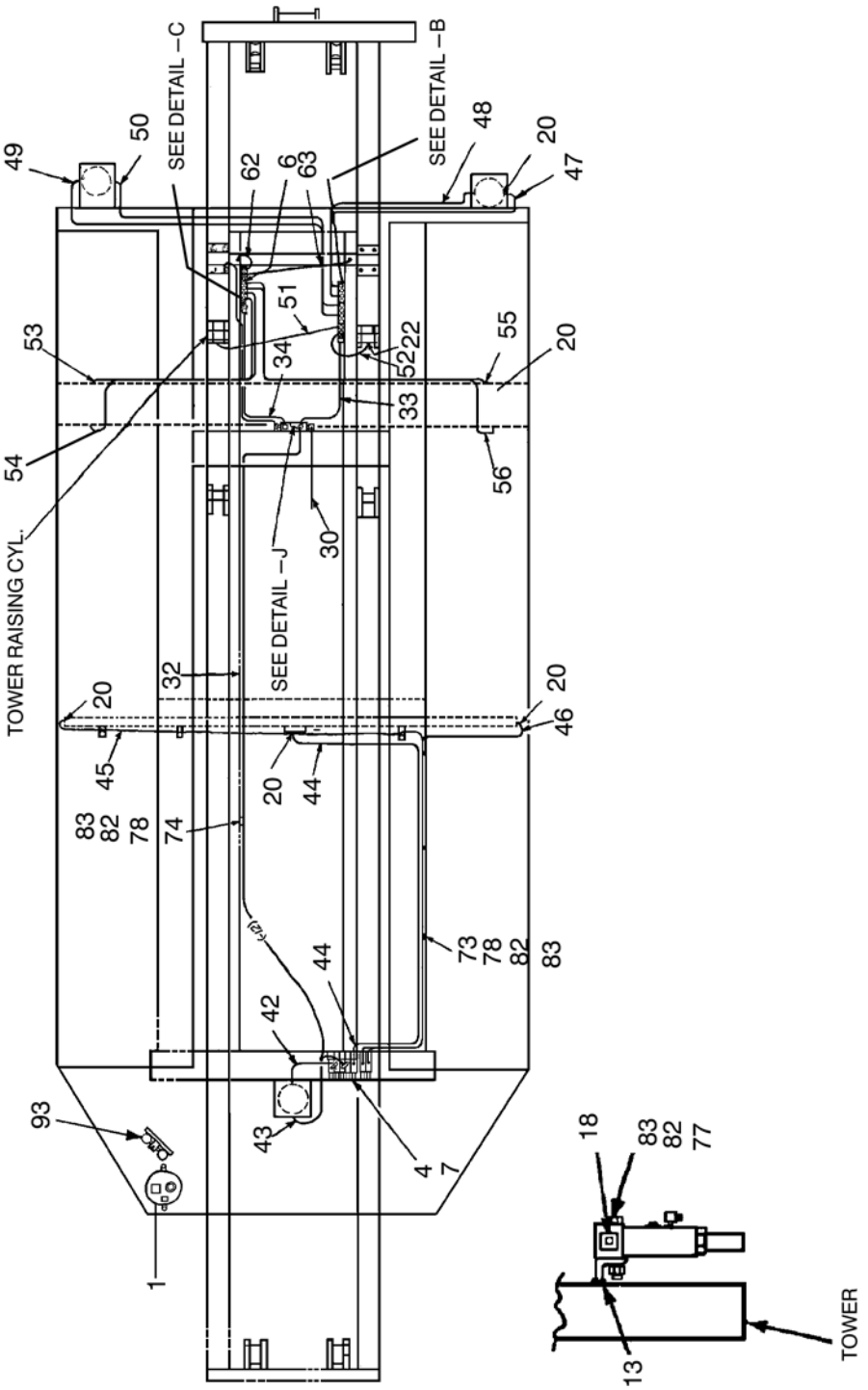
C57389983 REV 000

BOM 57396475

57396475 SEAL KIT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57220238	1.0	EA	O-RING	
003.0	59752063	2.0	EA	U-CUP	
004.0	57163511	1.0	EA	O-RING	
005.0	57163529	1.0	EA	RING, BACK UP	
006.0	57233652	1.0	EA	U-CUP	
007.0	57233660	1.0	EA	WIPER	

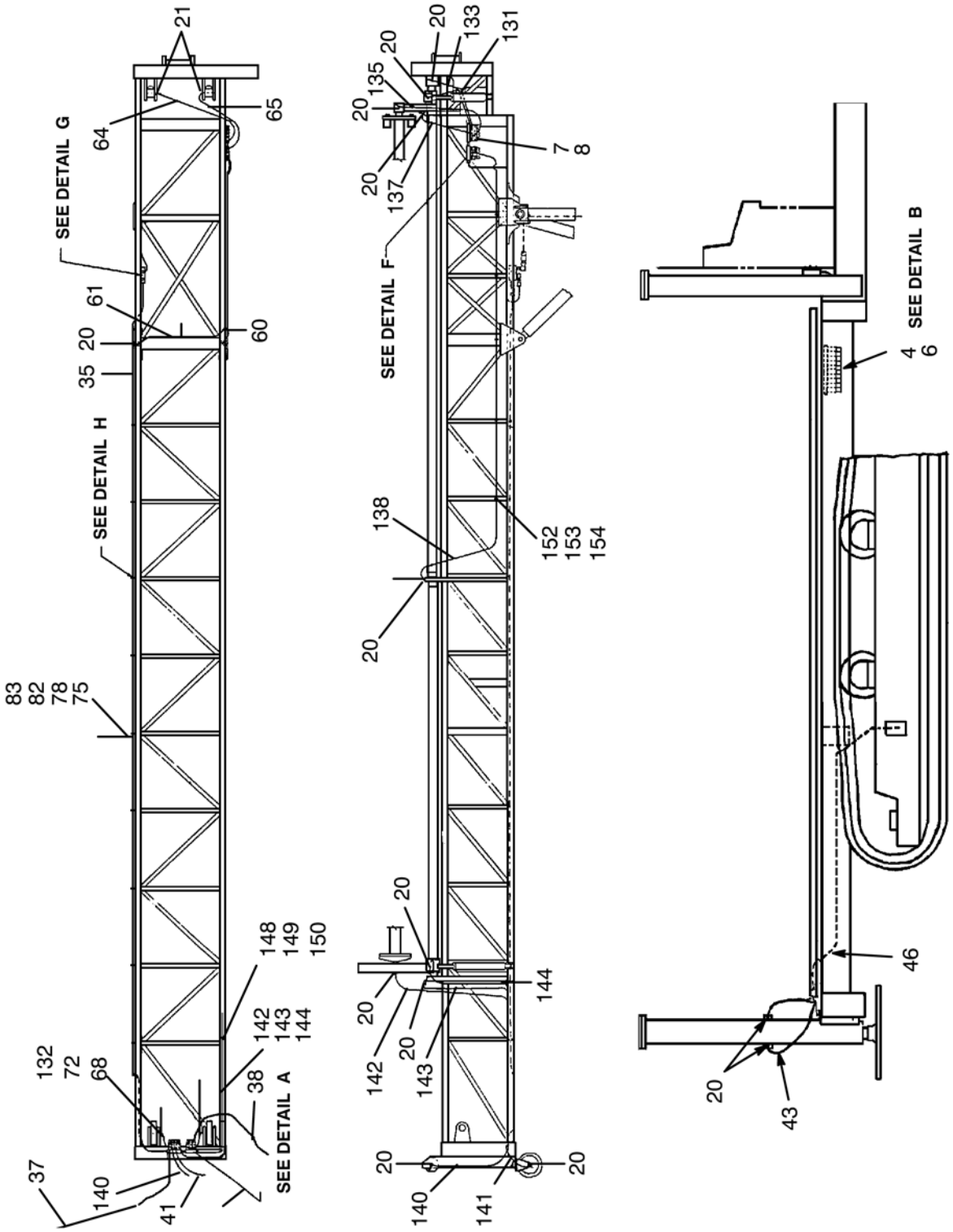
57475980 LUBE,SYSTEM-35'TWR



TB2657475980 REV 012

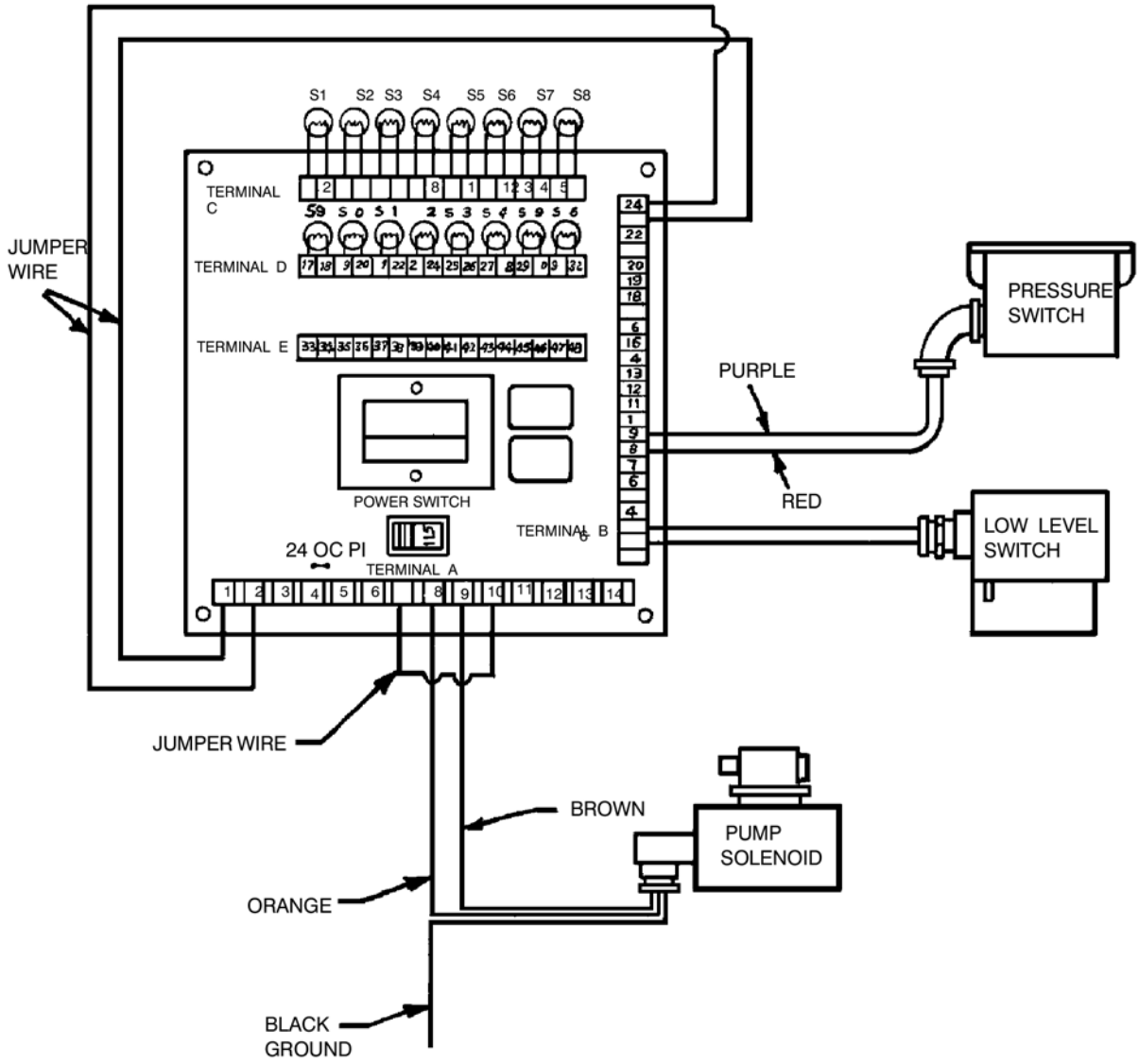
BOM 57475980

57475980 LUBE,SYSTEM-35'TWR



TB2657475980 REV 012

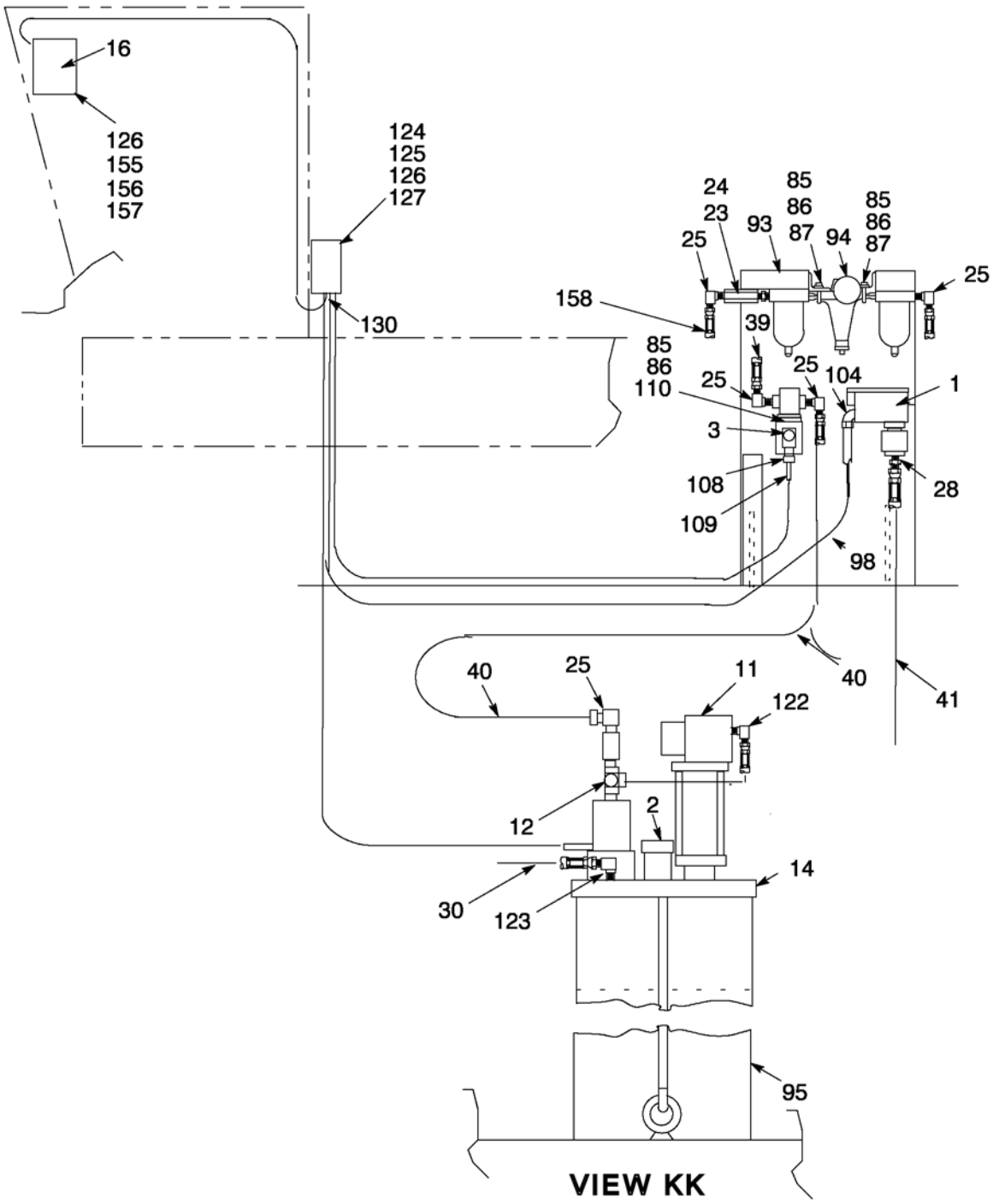
57475980 LUBE,SYSTEM-35'TWR



TB2657475980 REV 012

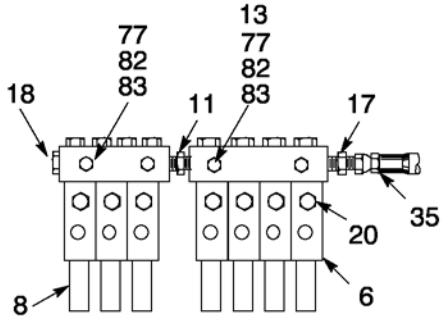
BOM 57475980

57475980 LUBE,SYSTEM-35'TWR

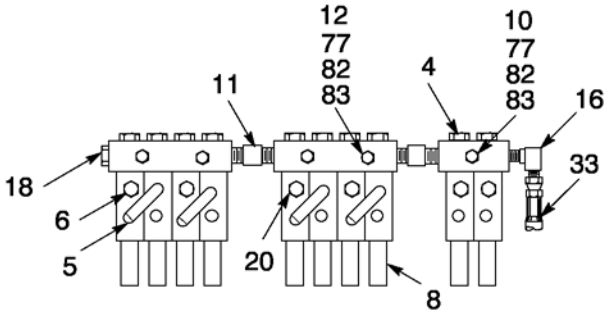


TB2657475980 REV 012

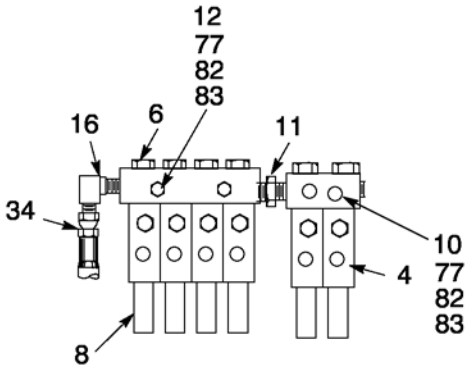
57475980 LUBE,SYSTEM-35'TWR



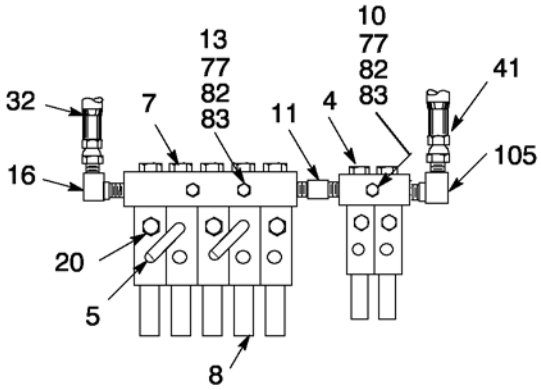
DETAIL A



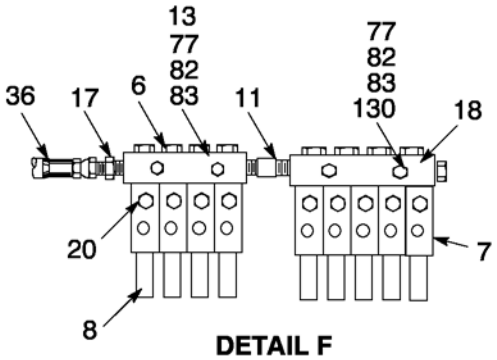
DETAIL B



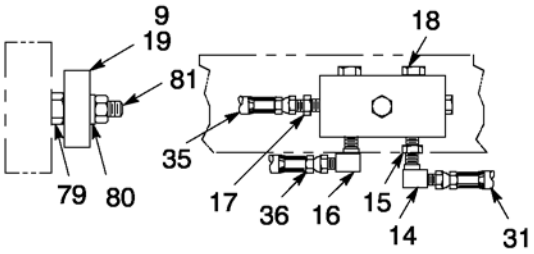
DETAIL C



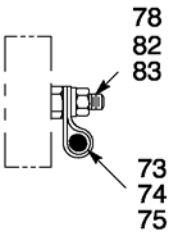
DETAIL D



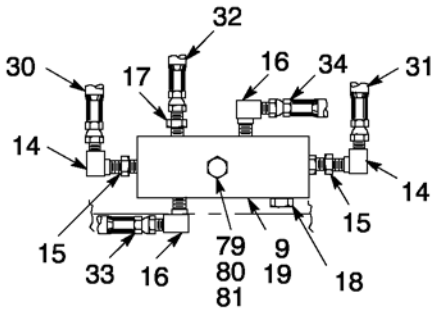
DETAIL F



DETAIL G



DETAIL H TYP. ALL PLACES



DETAIL J

BOM 57475980

57475980 LUBE,SYSTEM-35'TWR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57166795	1.0	EA	PUMP/TIMER,LINCOLNCENTRL	**See Page 572**
002.0	56967292	1.0	EA	SWITCH ASSY	
003.0	56799125	1.0	EA	VENT, FILTER	
004.0	57070757	3.0	EA	INJECTOR, SL1/2 BANK	
005.0	57137036	6.0	EA	TUBE-CROSS PORT CONNECT.	
006.0	57070773	6.0	EA	INJECTOR, SL1/4 BANK	
007.0	57070781	2.0	EA	INJECTOR,SL1/5 BANK	
008.0	57070849	40.0	EA	CAP, COVER	
009.0	57083883	2.0	EA	MANIFOLD,HYD	
-	56849672	1.0	EA	- MANIFOLD	
011.0	95056412	6.0	EA	NIPPLE	
012.0	57071409	6.0	EA	BRACKET	
-	A0031	5.5	IN	- ANGLE A36	
014.0	85597904	3.0	EA	FITTING, HYD	
015.0	95286563	3.0	EA	ADAPTER	
016.0	95279519	7.0	EA	FITTING,HYD	
017.0	50814581	3.0	EA	FITTING, HYD	
018.0	95033601	9.0	EA	PLUG,PIPE,SQ HEAD	
019.0	95033585	8.0	EA	PLUG,PIPE,SQ HEAD,SOLID	
020.0	95209086	34.0	EA	FITTING,HYD	
021.0	95287629	2.0	EA	CONNECTOR,MALE,37 DEG	
022.0	95302170	2.0	EA	FITTING,HYD	
023.0	95048377	1.0	EA	NIPPLE	
024.0	50829605	1.0	EA	VALVE,BALL-1/2	
025.1	95279535	5.0	EA	ELBOW,90 DEG MALE	
028.0	95316972	1.0	EA	CONNECTOR,MALE,37 DEG	
030.0	57691263	1.0	EA	HOSE ASSEMBLY	
031.0	57011850	1.0	EA	HOSE ASSY	
032.0	57022246	1.0	EA	HOSE ASSY	
033.0	56987936	1.0	EA	HOSE ASSY	
034.0	56950504	1.0	EA	HOSE ASSY, F12X032J--/J-	
035.2	57498917	1.0	EA	HOSE ASSY	
036.2	56966898	1.0	EA	HOSE ASSY	
037.0	56964208	1.0	EA	HOSE ASSY	
038.0	56964208	1.0	EA	HOSE ASSY	
039.0	57496135	1.0	EA	HOSE ASSY	
040.0	56956139	1.0	EA	HOSE ASSY	
041.0	56956998	1.0	EA	HOSE ASSY	
042.0	57044745	1.0	EA	HOSE ASSY	
043.0	57004020	1.0	EA	HOSE ASSY	
044.0	56964299	1.0	EA	HOSE ASSY	

BOM 57475980

57475980 LUBE,SYSTEM-35'TWR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
045.0	57005688	1.0	EA	HOSE ASSY	
046.0	56964315	1.0	EA	HOSE ASSY	
047.0	56970627	1.0	EA	HOSE ASSY	
048.0	58081662	1.0	EA	HOSE ASSY	
049.0	57043218	1.0	EA	HOSE ASSY	
050.0	56966211	1.0	EA	HOSE ASSY	
051.0	58140328	1.0	EA	HOSE ASSY	
052.0	56964190	1.0	EA	HOSE ASSY	
053.0	56994544	1.0	EA	HOSE ASSY	
054.0	56964265	1.0	EA	HOSE ASSY	
055.0	58144585	1.0	EA	HOSE ASSY	
056.0	58205261	1.0	EA	HOSE ASSY	
060.1	56976186	1.0	EA	HOSE ASSY	
061.0	57506370	1.0	EA	HOSE ASSY	
062.0	56970627	1.0	EA	HOSE ASSY	
063.0	56974579	1.0	EA	HOSE ASSY	
064.0	57036618	1.0	EA	HOSE ASSY	
065.0	52226768	1.0	EA	HOSE ASSY	
068.3	57004020	1.0	EA	HOSE ASSY	
072.3	57004020	1.0	EA	HOSE ASSY	
073.0	95301859	30.0	EA	CLAMP,HOSE	
074.0	95378873	12.0	EA	CLAMP,HOSE	
075.0	95445664	6.0	EA	CLAMP,HOSE	
077.0	95935128	19.0	EA	CAPSCREW	
078.0	95934550	48.0	EA	CAPSCREW,HEX	
079.0	95035465	2.0	EA	CAPSCREW,HEX	
080.0	95934691	2.0	EA	WASHER,LOCK,HELICAL	
081.0	95922928	2.0	EA	NUT,HEX,FINISHED	
082.0	95937413	19.0	EA	WASHER,LOCK,HELICAL	
083.0	95922894	19.0	EA	NUT,HEX	
085.1	95934766	20.0	EA	WASHER,LOCK,HELICAL	
086.1	95931564	20.0	EA	NUT,HEX,FINISHED	
087.0	95430229	2.0	EA	U-BOLT	
093.1	57518003	1.0	EA	BRACKET,MTG-CENTRO LUBE	
-	57378549	1.0	EA	- PLATE-BRACKET MOUNTING	
-	56924764	2.0	EA	- GUSSET	
094.0	57070732	1.0	EA	FILTER REG.	
-	57516700	1.0	EA	- GUAGE 0-300 PSI	
-	57924375	1.0	EA	- SEPARATOR,WATER-AIRLINE	
095.0	56976954	1.0	EA	GREASE,EP0	
098.0	95245049	120.0	IN	CONDUIT,FLEX-1/2SEALTITE	

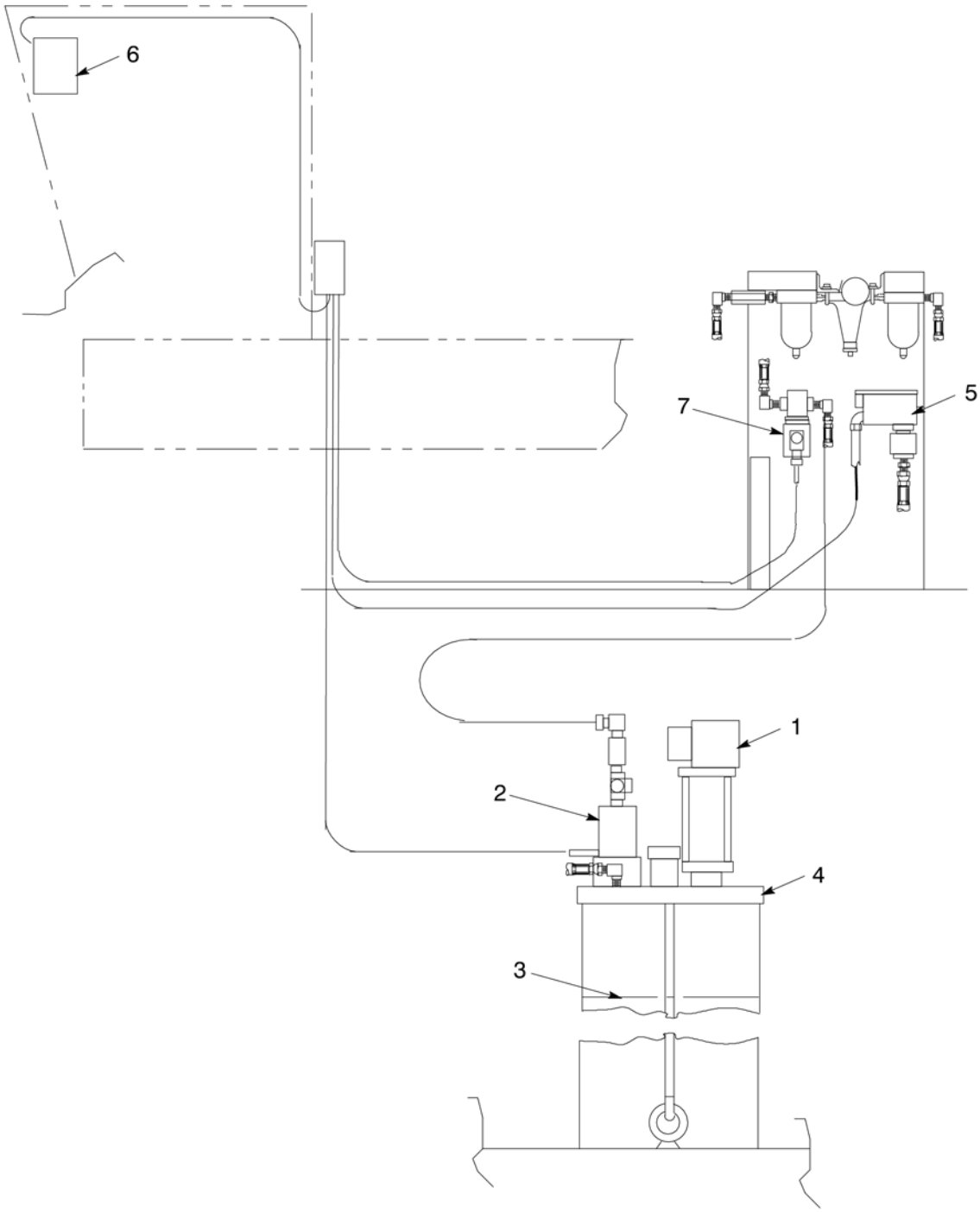
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57475980

57475980 LUBE,SYSTEM-35'TWR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
104.0	95361390	1.0	EA	CONNECTOR, 1/2 90 DEG	
105.0	95279493	1.0	EA	ELBOW,90 DEG MALE	
108.0	56992191	2.0	EA	CONNECTOR	
109.0	58150103	60.0	IN	CORD,14/2	
110.0	52231792	1.0	EA	U-BOLT	
122.0	95279535	1.0	EA	ELBOW,90 DEG MALE	
123.0	95219853	1.0	EA	ELBOW,90 DEG MALE	
131.0	56965759	1.0	EA	HOSE ASSY	
132.0	95293387	4.0	EA	ELBOW,90 DEG EXTRA LONG	
133.0	56964216	1.0	EA	HOSE ASSY	
135.0	56964240	1.0	EA	HOSE ASSY	
137.0	56964174	1.0	EA	HOSE ASSY	
138.0	56964356	1.0	EA	HOSE ASSY	
140.0	56970627	1.0	EA	HOSE ASSY	
141.0	56964208	1.0	EA	HOSE ASSY	
142.0	57005688	1.0	EA	HOSE ASSY	
143.0	52255320	1.0	EA	HOSE ASSY	
144.0	56973084	1.0	EA	HOSE ASSY	
148.0	95457586	2.0	EA	CLAMP,HOSE	
149.0	95923322	2.0	EA	NUT,ELASTIC LOCK	
150.0	95265443	2.0	EA	WASHER,LOCK-3/8	
152.0	95301842	5.0	EA	CLAMP,HOSE	
153.0	95934766	5.0	EA	WASHER,LOCK,HELICAL	
154.0	95931564	5.0	EA	NUT,HEX,FINISHED	
158.0	57094930	1.0	EA	HOSE ASSY	

57166795 PUMP/TIMER,LINCOLNCENTRL

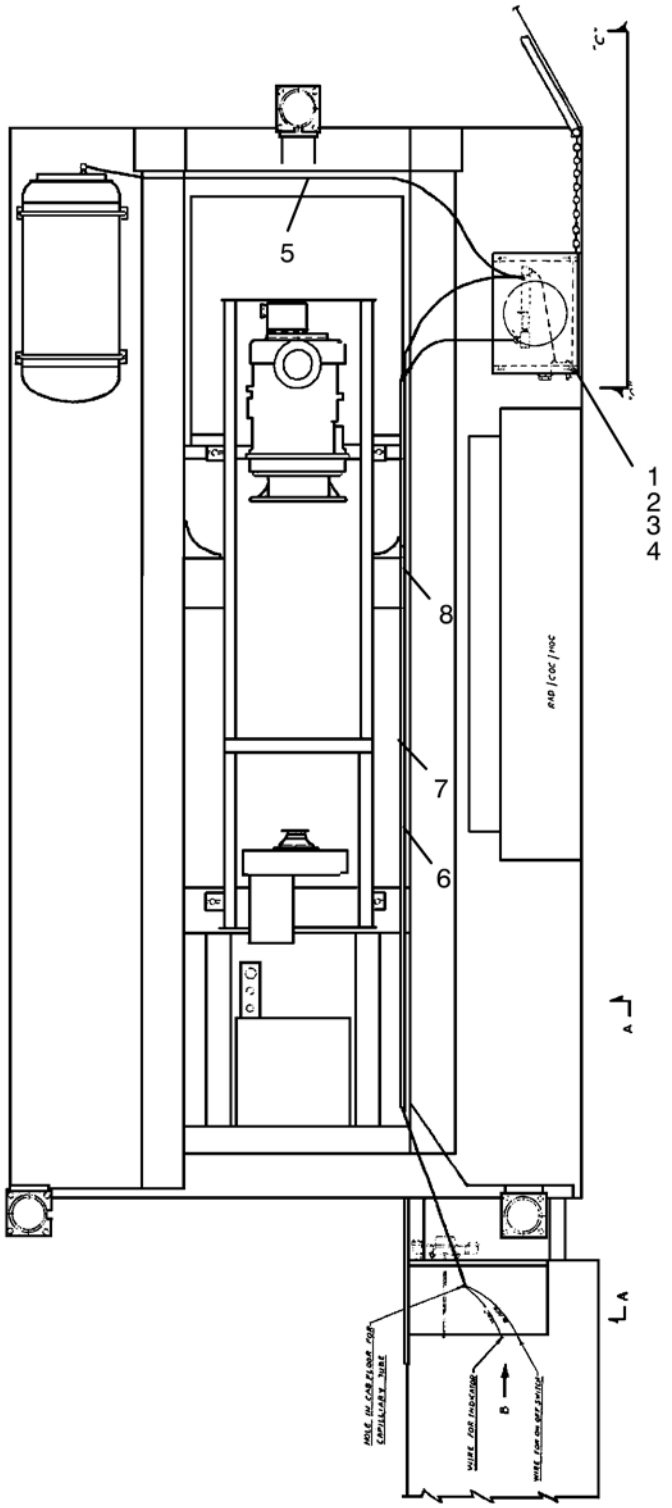


BOM 57166795

57166795 PUMP/TIMER,LINCOLNCENTRL

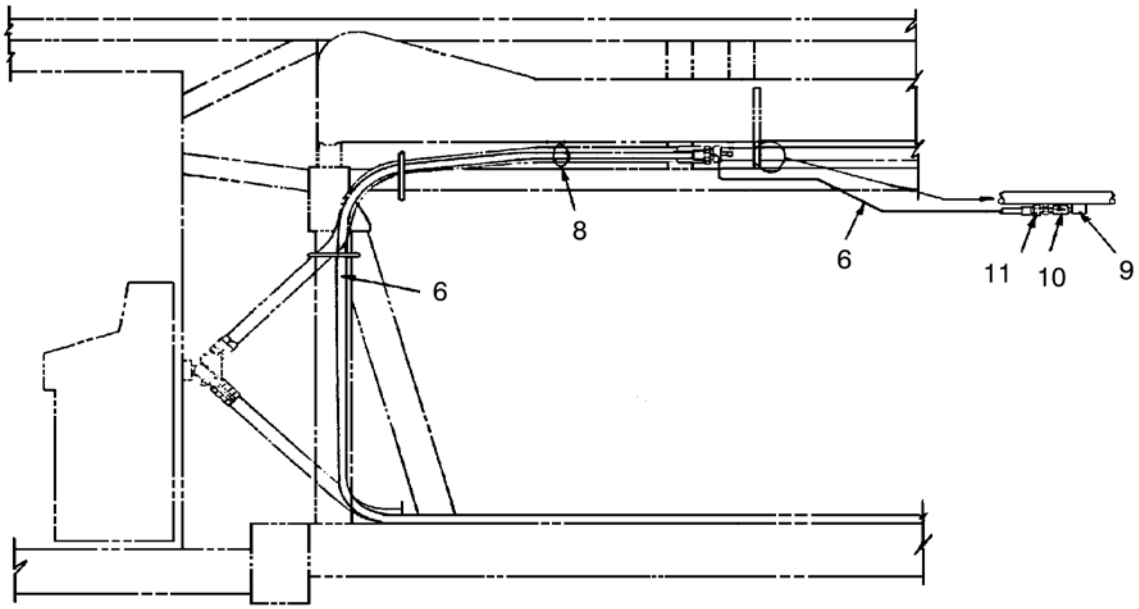
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	56964869	1.0	EA	PUMP,50 TO 1	
-	57420127	1.0	EA	- KIT, PUMP REPAIR	
-	57420135	1.0	EA	- KIT, PUMP TUBE REPAIR	
002.0	57420085	1.0	EA	VENT ASSEMBLY	
003.0	57420093	1.0	EA	PLATE, FOLLOWER	
004.0	57420101	1.0	EA	COVER,DRUM & TIE DN ASSY	
005.0	57209884	1.0	EA	SWITCH, PRESSURE	
006.0	57530446	1.0	EA	CONTROLLER,SENTRYMONITOR	
-	57530453	1.0	EA	- BOARD, SENTRY PROCESSOR	
-	57530461	1.0	EA	- BOARD, SENTRY PWR SUPPLY	
007.1	57312563	1.0	EA	VALVE,SOLENOID-3WAY/2POS	

57481509 LUBE,INJECTION,DHD,60GL

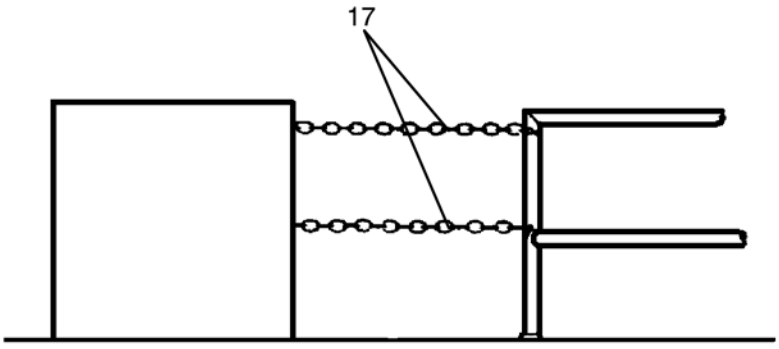


E2657481509 REV 004

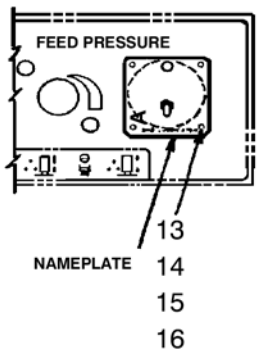
57481509 LUBE,INJECTION,DHD,60GL



VIEW – A



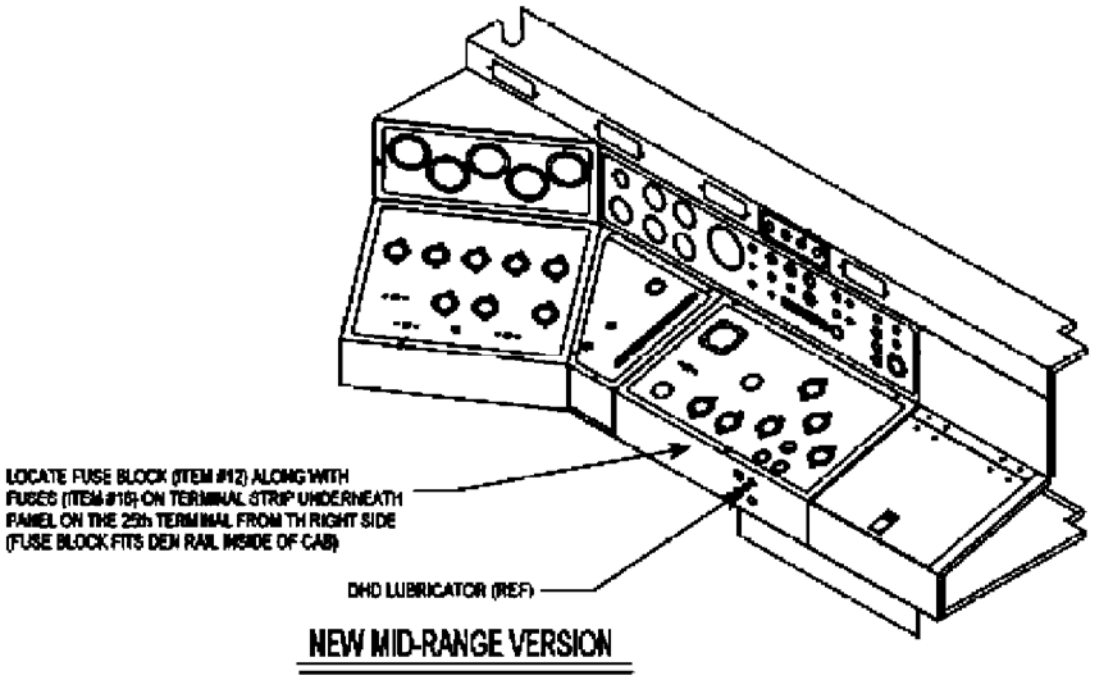
VIEW – C



VIEW – B

E2657481509 REV 004

57481509 LUBE,INJECTION,DHD,60GL



NEW MID-RANGE VERSION

E2657481509 REV 004

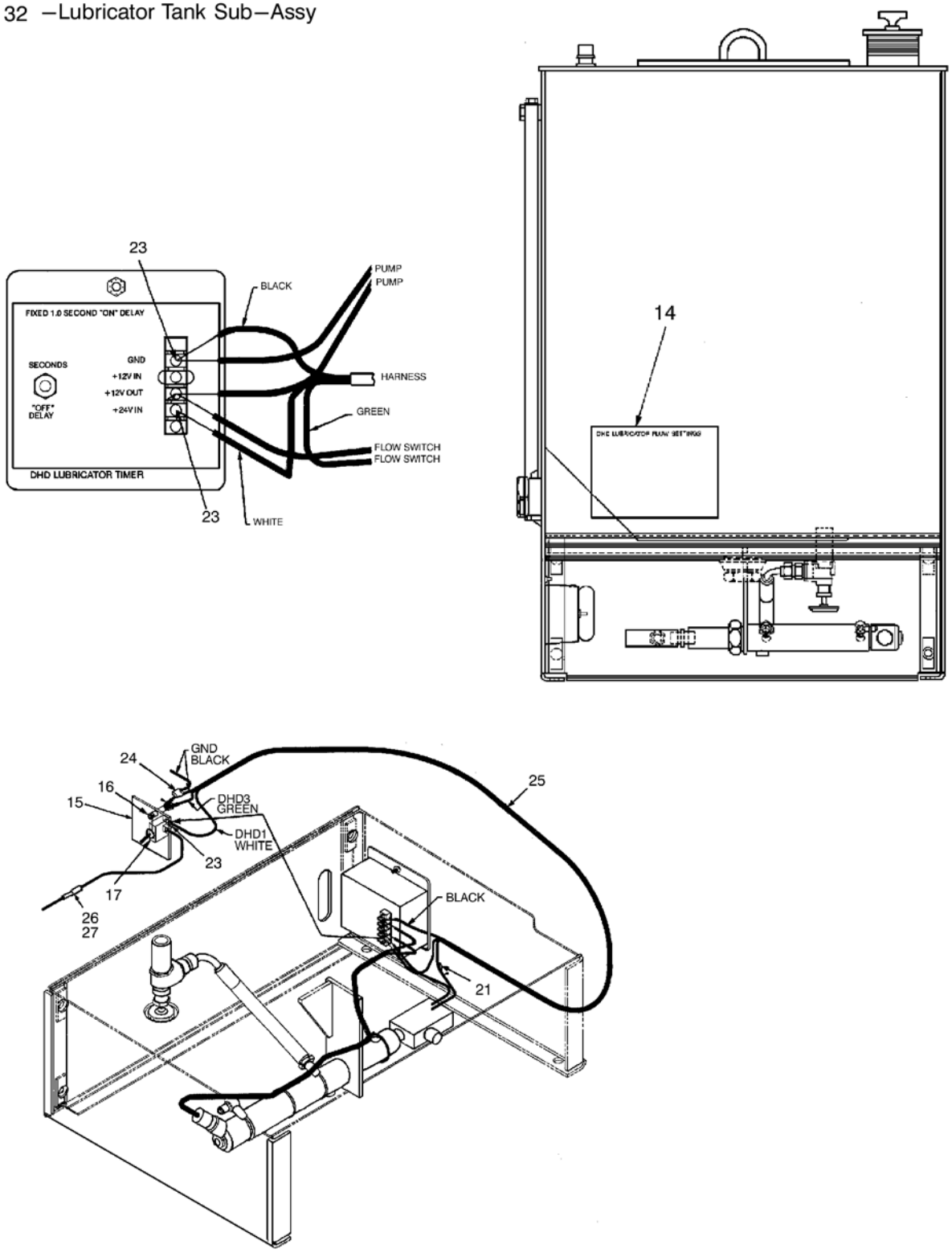
BOM 57481509

57481509 LUBE,INJECTION,DHD,60GL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57354755	1.0	EA	LUBRICATOR ASM-60GL DHD	**See Page 578**
002.0	95934659	4.0	EA	CAPSCREW,HEX	
003.0	95934733	4.0	EA	WASHER,LOCK	
004.0	95922902	4.0	EA	NUT,HEX,FINISHED,PLATED	
005.1	57496150	1.0	EA	HOSE ASSY	
006.0	57148199	1.0	EA	HOSE ASSY	
008.0	58078718	8.0	EA	TIE,CABLE	
009.0	95364469	1.0	EA	FITTING,HYD	
010.0	57552275	1.0	EA	VALVE,CHECK,.25NPT	
011.0	95338372	1.0	EA	FITTING,HYD	
012.0	57522047	1.0	EA	BLOCK,FUSE TERMINAL	
013.0	95922092	4.0	EA	SCREW,MACHINE,RD HEAD	
014.0	95064663	4.0	EA	WASHER,FLAT	
015.0	95922555	4.0	EA	WASHER,LOCK	
016.0	95076725	4.0	EA	NUT,MACHINE,HEX	
017.0	57533622	1.0	EA	HANDRAIL ASSY-20 CNTDIST	
018.0	52279338	2.0	EA	FUSE	

57354755 LUBRICATOR ASM-60GL DHD

32 –Lubricator Tank Sub–Assy

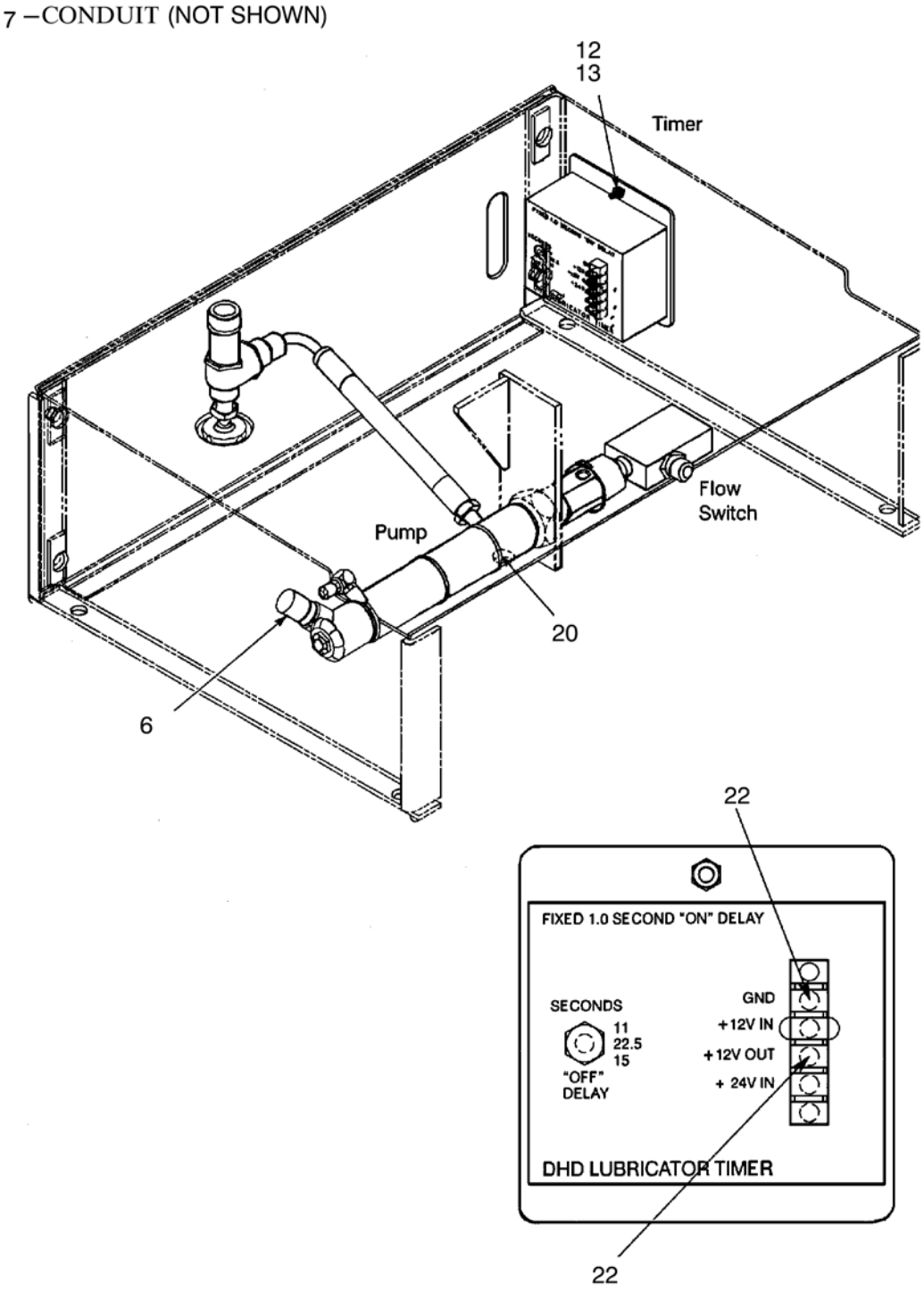


BOM 57354755

57354755 LUBRICATOR ASM-60GL DHD

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
014.0	57361982	1.0	EA	DECAL,DHD LUBE SETTINGS	
015.0	57361990	1.0	EA	NAMEPLATE, DHD CONTROL	
016.0	57297137	1.0	EA	LIGHT,LED INDICATOR	
017.0	57179608	1.0	EA	SWITCH,SPST/ON-OFF	
021.0	95239216	1.0	EA	JOINT,WIRE,10,CLEAR	
023.0	95329249	4.0	EA	TERMINAL,6 FORK	
024.0	855017P0841-1	1.0	EA	CONNECTOR,TAP TYPE	
025.0	56933690	480.0	IN	WIRE ELEC	
026.0	57130577	1.0	EA	HOLDER,FUSE	
027.0	52279338	1.0	EA	FUSE	
032.0	57428161	1.0	EA	LUBRICATOR TANK SUB-ASSY	**See Page 580**

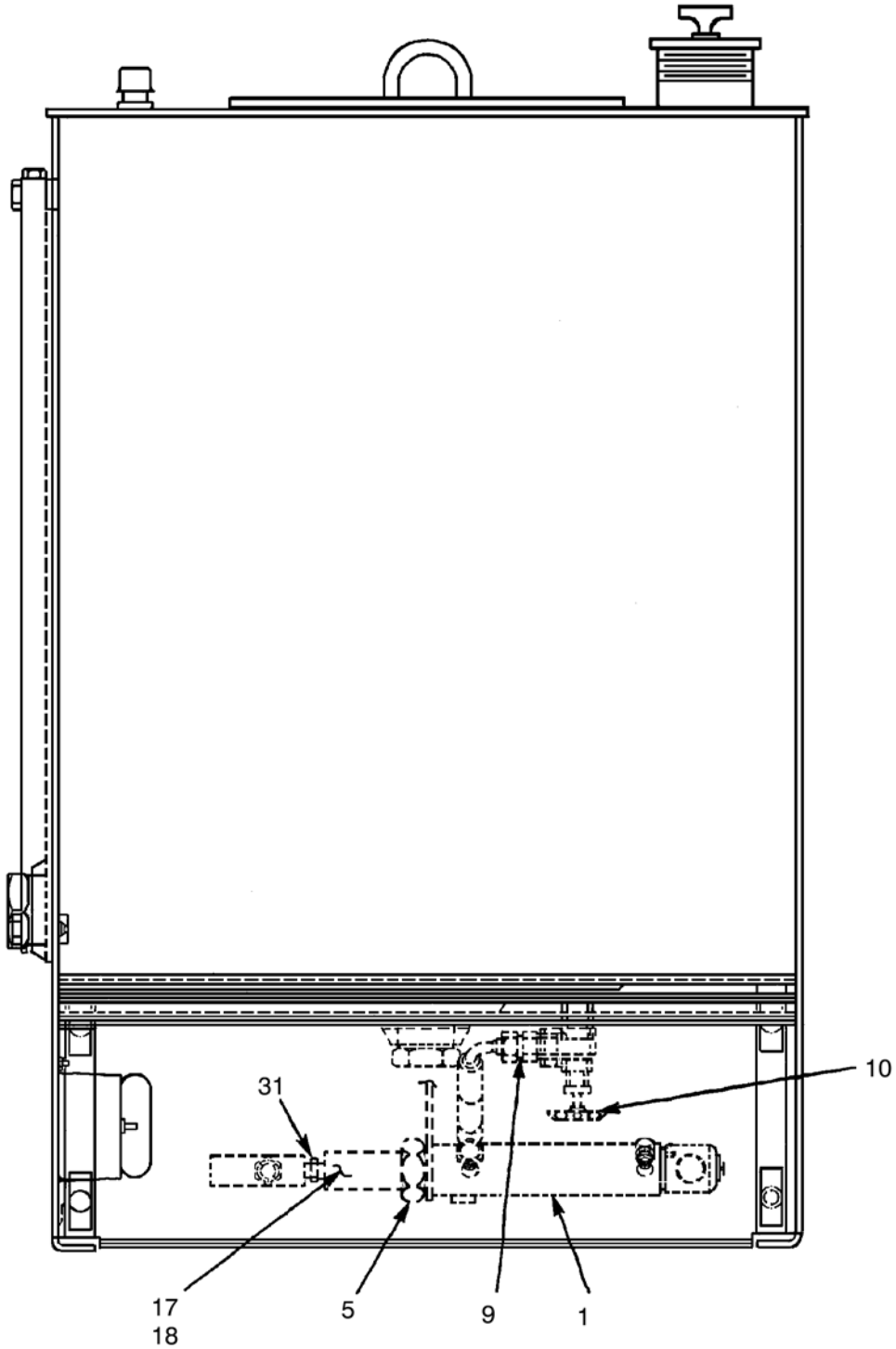
57428161 LUBRICATOR TANK SUB-ASSY



E2657428161 REV 002

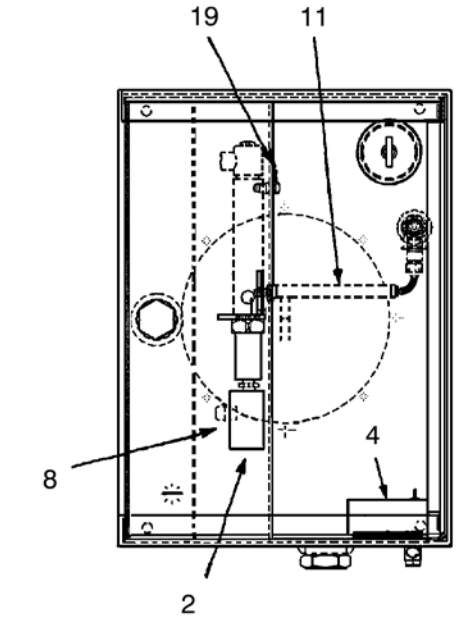
BOM 57428161

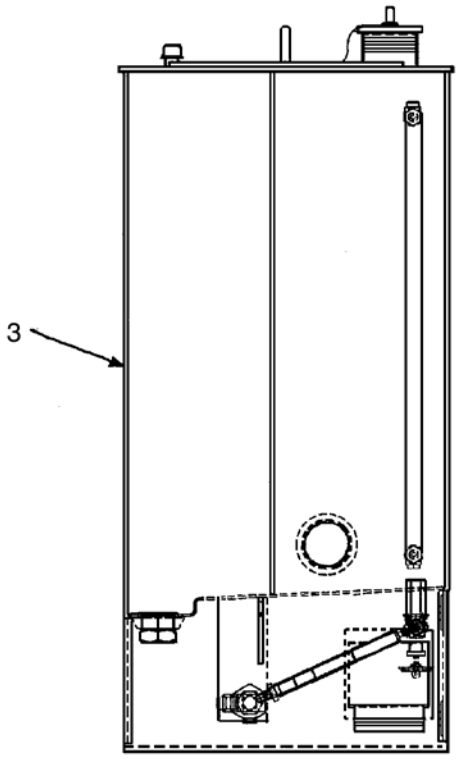
57428161 LUBRICATOR TANK SUB-ASSY



E2657428161 REV 002

57428161 LUBRICATOR TANK SUB-ASSY





E2657428161 REV 002

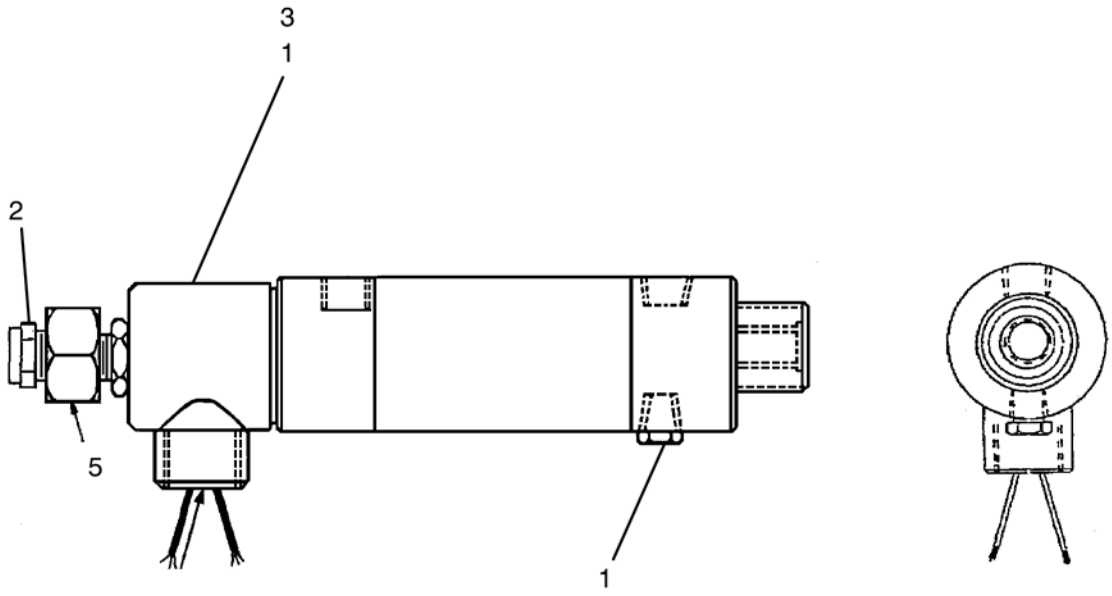
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57428161

57428161 LUBRICATOR TANK SUB-ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57352973	1.0	EA	PUMP,DHD LUBRICATOR	**See Page 584**
002.0	57353021	1.0	EA	SWITCH, FLUID FLOW	
-	57428914	1.0	EA	- SWITCH, SPST REED	
003.0	57354094	1.0	EA	TANK,DHD LUBE-60 GAL.	**See Page 586**
004.0	57354342	1.0	EA	TIMER,DHD LUBRICATOR	
005.0	95315404	1.0	EA	NUT,HEX JAM	
006.0	50625946	1.0	EA	CONNECTOR,CORD GRIP	
007.0	57358830	16.0	IN	CONDUIT, 3/8 NYLON	
008.0	95303368	1.0	EA	CONNECTOR,STRT THRD	
009.0	95219739	1.0	EA	ADAPTER	
010.0	95072971	1.0	EA	VALVE	
011.0	57481186	1.0	EA	HOSE ASSY	
012.0	95209003	1.0	EA	NUT,MACHINE	
013.0	95207478	1.0	EA	WASHER,LOCK-NO.10 INT.	
017.0	57408775	1.0	EA	VALVE, CHECK	
018.1	95209870	1.0	EA	O'RING	
019.0	95293403	1.0	EA	ELBOW,90 DEG MALE	
031.0	57408767	1.0	EA	ADAPTER, SAE 8 STRAIGHT	

57352973 PUMP,DHD LUBRICATOR



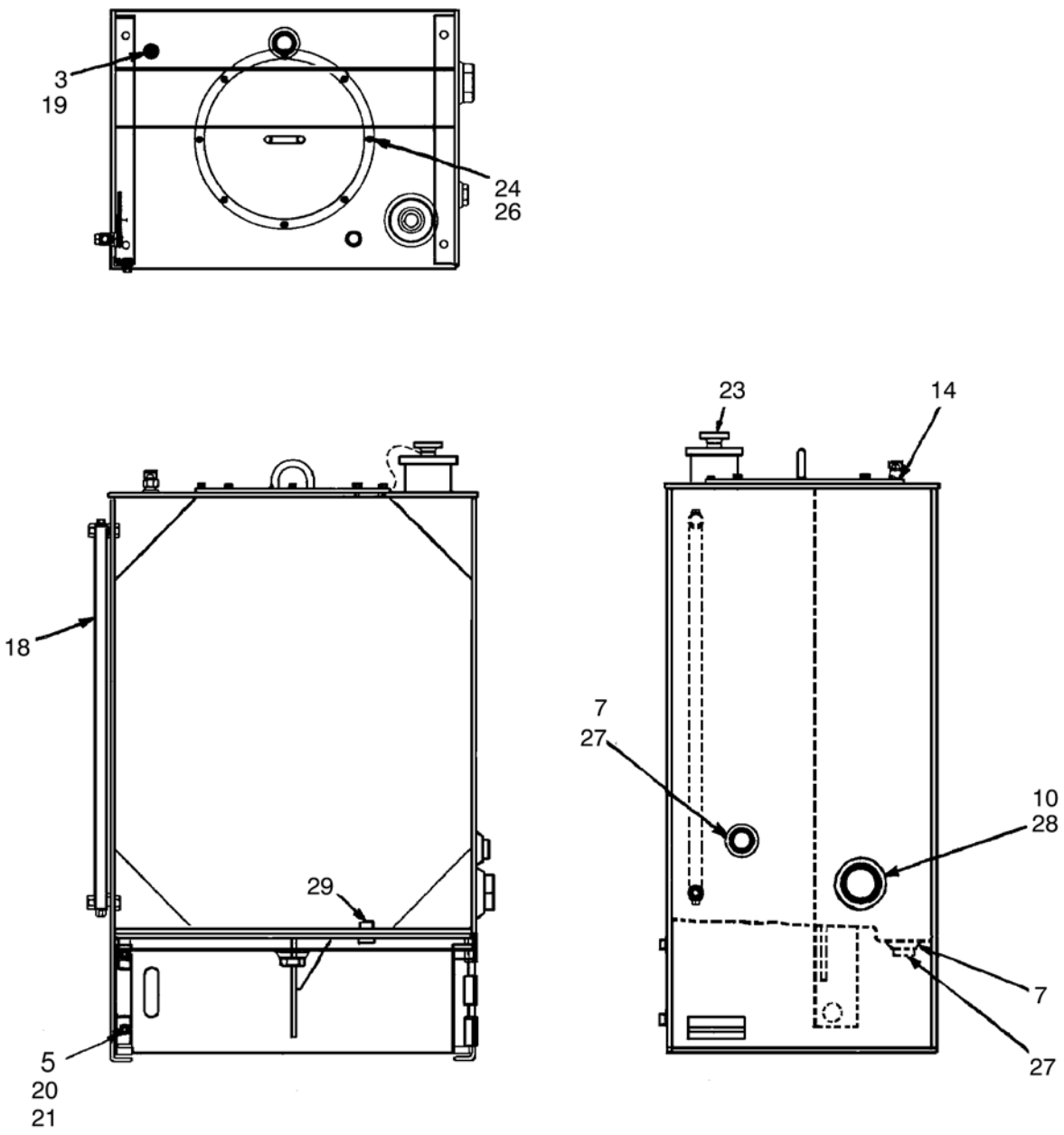
C2657352973 REV 005

BOM 57352973

57352973 PUMP,DHD LUBRICATOR

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57307886	1.0	EA	SEAL KIT,PUMP	
001.0	57725400	1.0	EA	VENT,FILTER	
002.0	57431223	1.0	EA	PLUNGER, TEFLON	
003.0	57560682	1.0	EA	SPRING	
005.0	57769390	1.0	EA	BREATHER,VENT,DHD PUMP	

57354094 TANK,DHD LUBE-60 GAL.



D2657354094 REV 005

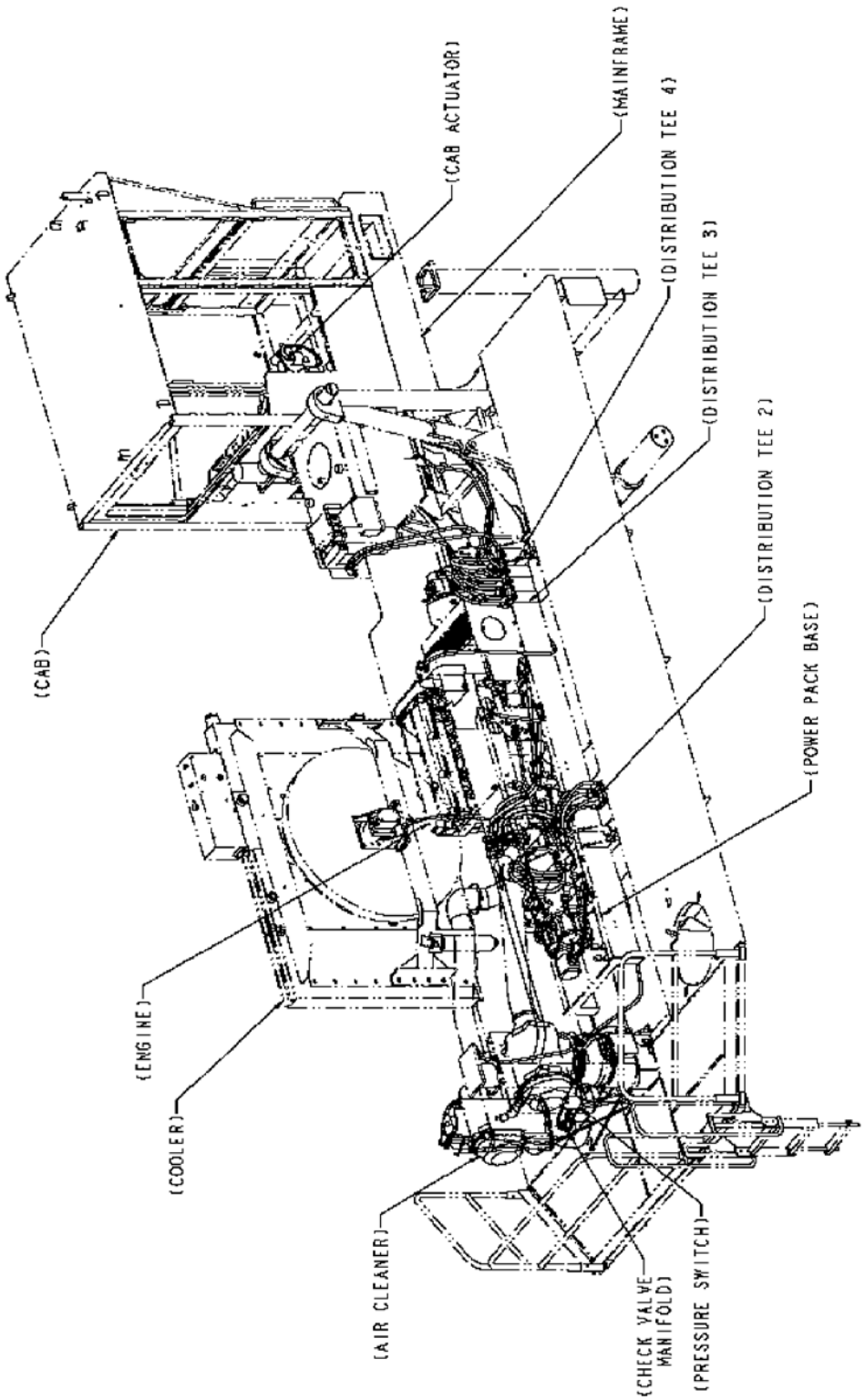
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57354094

57354094 TANK,DHD LUBE-60 GAL.

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
003.0	95446530	1.0	EA	COUPLING	
005.0	40011975	2.0	EA	NUT-CAGED	
007.0	95324083	2.0	EA	FLANGE,1 NPT	
010.0	95329215	1.0	EA	FLANGE	
014.0	57724916	1.0	EA	GASKET,HYD TANK-COVER	
018.0	57363657	1.0	EA	GAUGE,FLUID LEVEL-26	
019.0	56799125	1.0	EA	VENT, FILTER	
020.0	95934550	2.0	EA	CAPSCREW,HEX	
021.0	95937413	2.0	EA	WASHER,LOCK,HELICAL	
023.0	57408346	1.0	EA	PLUG, PIPE-3 RUBBER	
024.0	95928982	8.0	EA	CAPSCREW	
026.0	95934766	8.0	EA	WASHER,LOCK,HELICAL	
027.1	57408353	2.0	EA	PLUG,MAGNETIC,1NPT	
028.0	95437349	1.0	EA	PLUG, PIPE-2 HEX HEAD	
029.0	95048799	1.0	EA	NIPPLE	

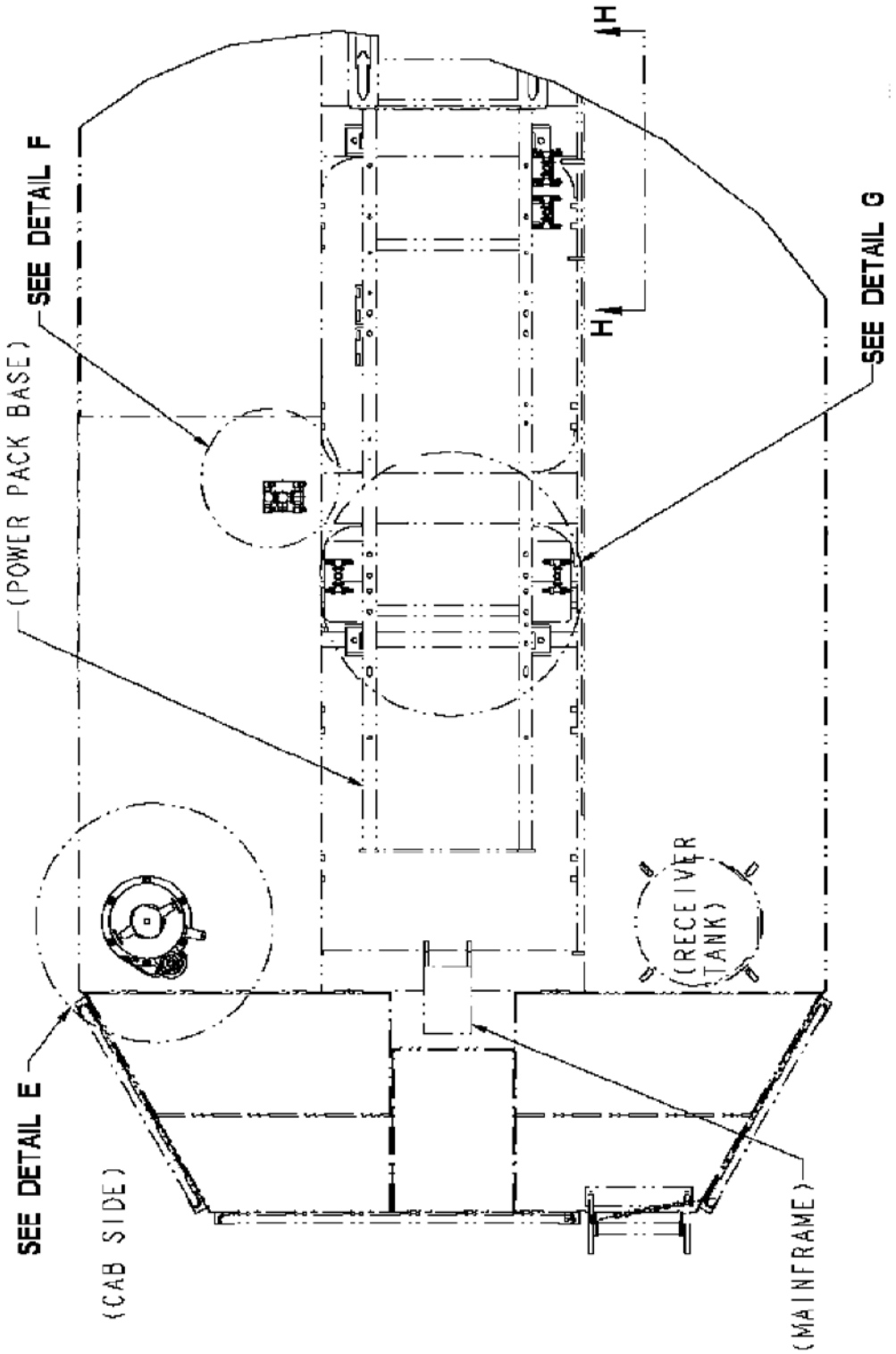
57653107 FIRE SUPPRESSION



D2657653107 REV 001

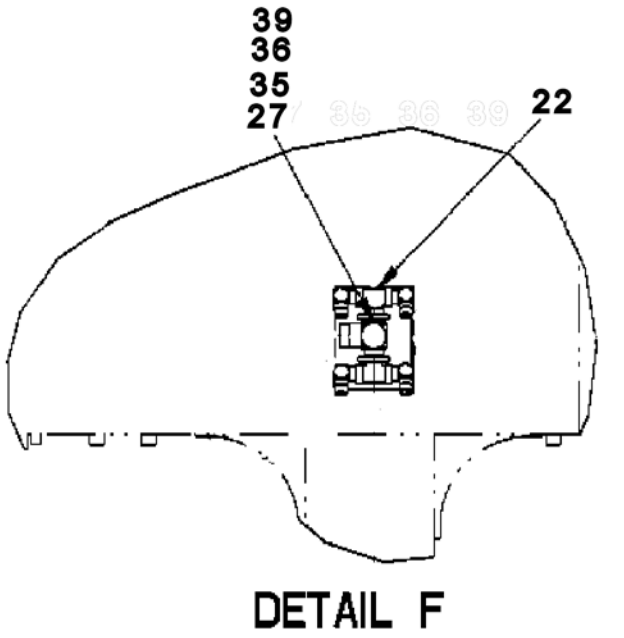
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57653107 FIRE SUPPRESSION

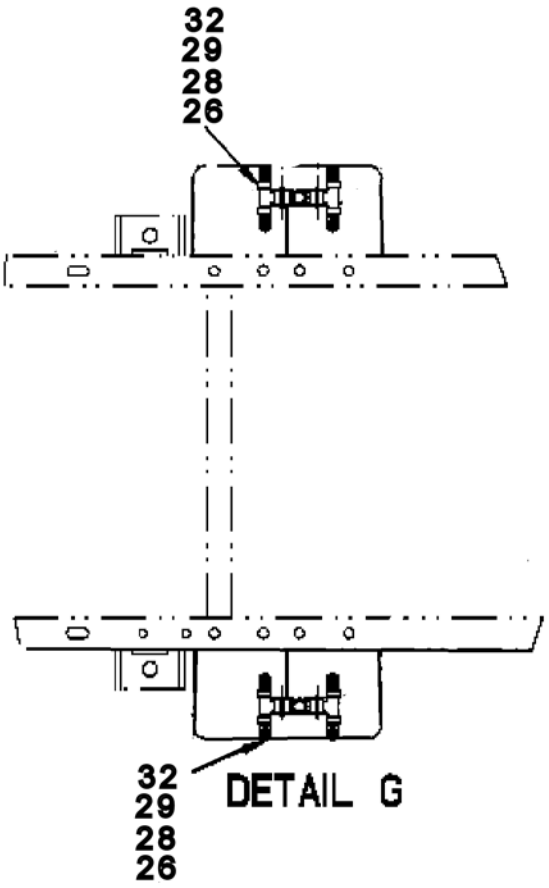


D2657653107 REV 001

57653107 FIRE SUPPRESSION



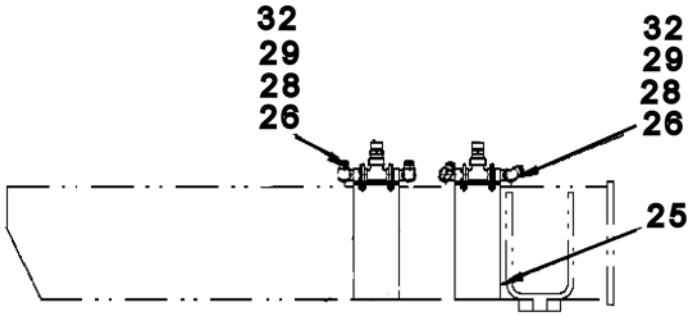
DETAIL F



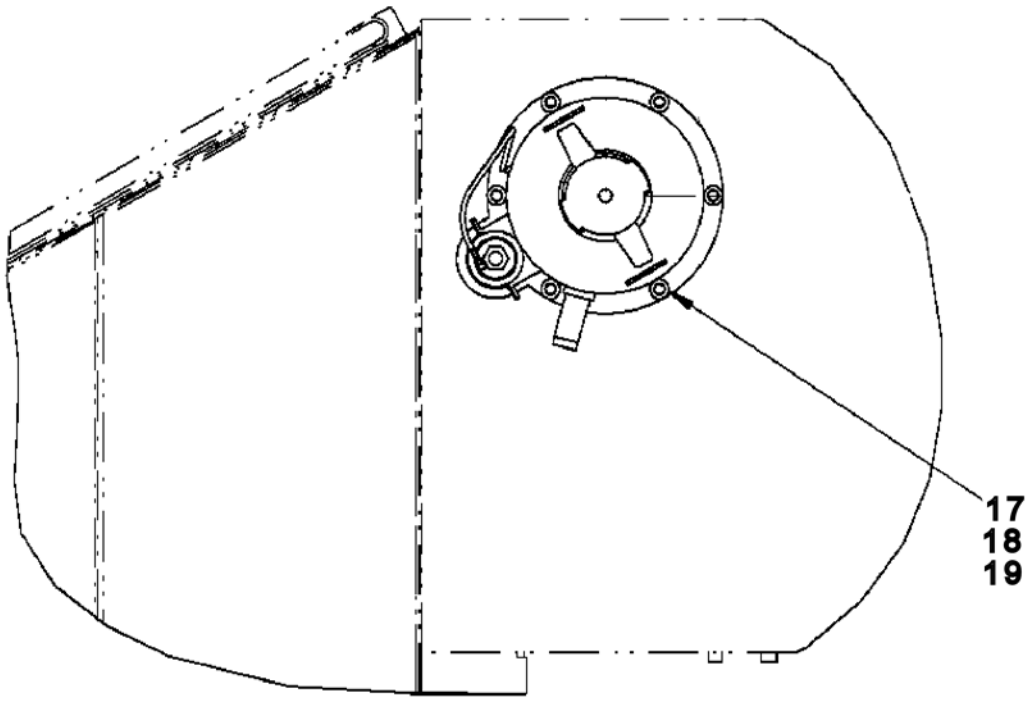
DETAIL G

D2657653107 REV 001

57653107 FIRE SUPPRESSION



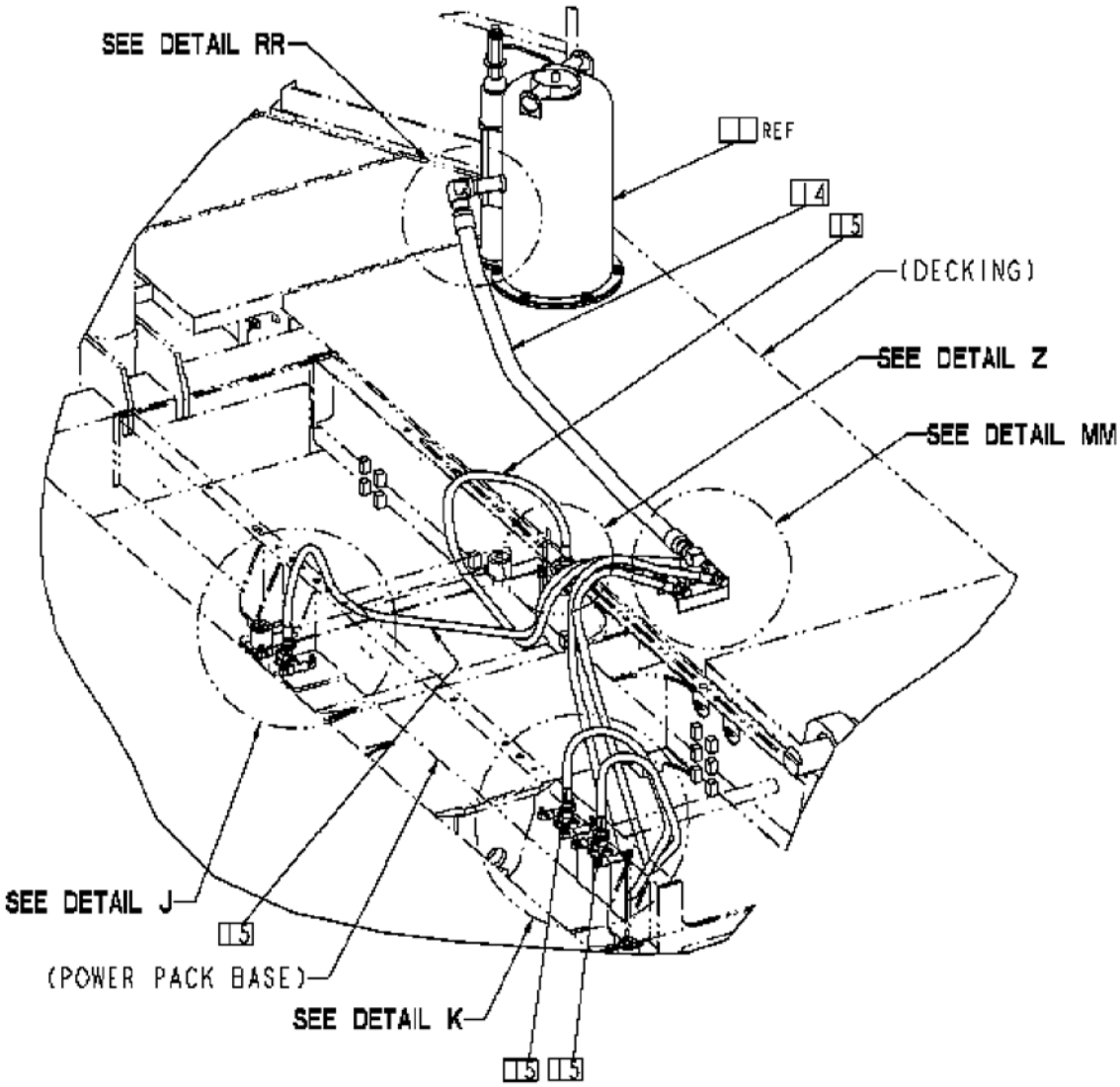
VIEW H-H

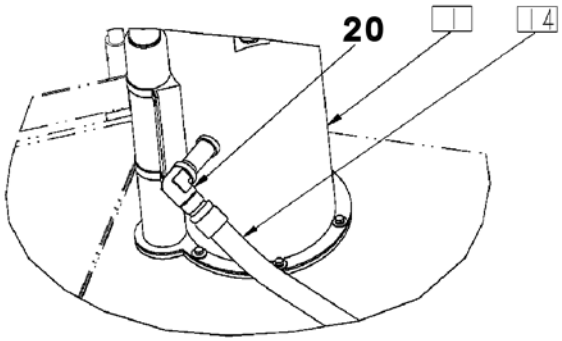


DETAIL E

D2657653107 REV 001

57653107 FIRE SUPPRESSION

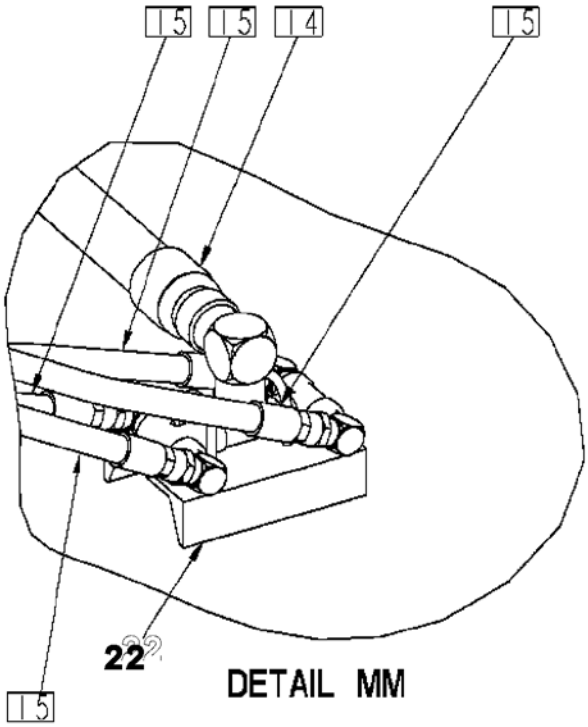




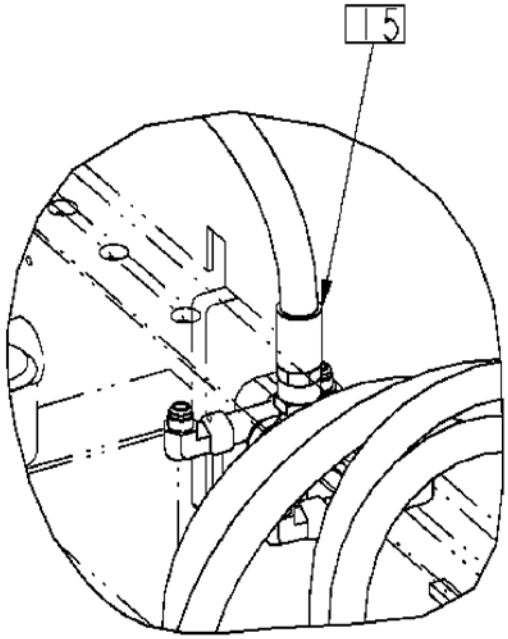
DETAIL RR

D2657653107 REV 001

57653107 FIRE SUPPRESSION



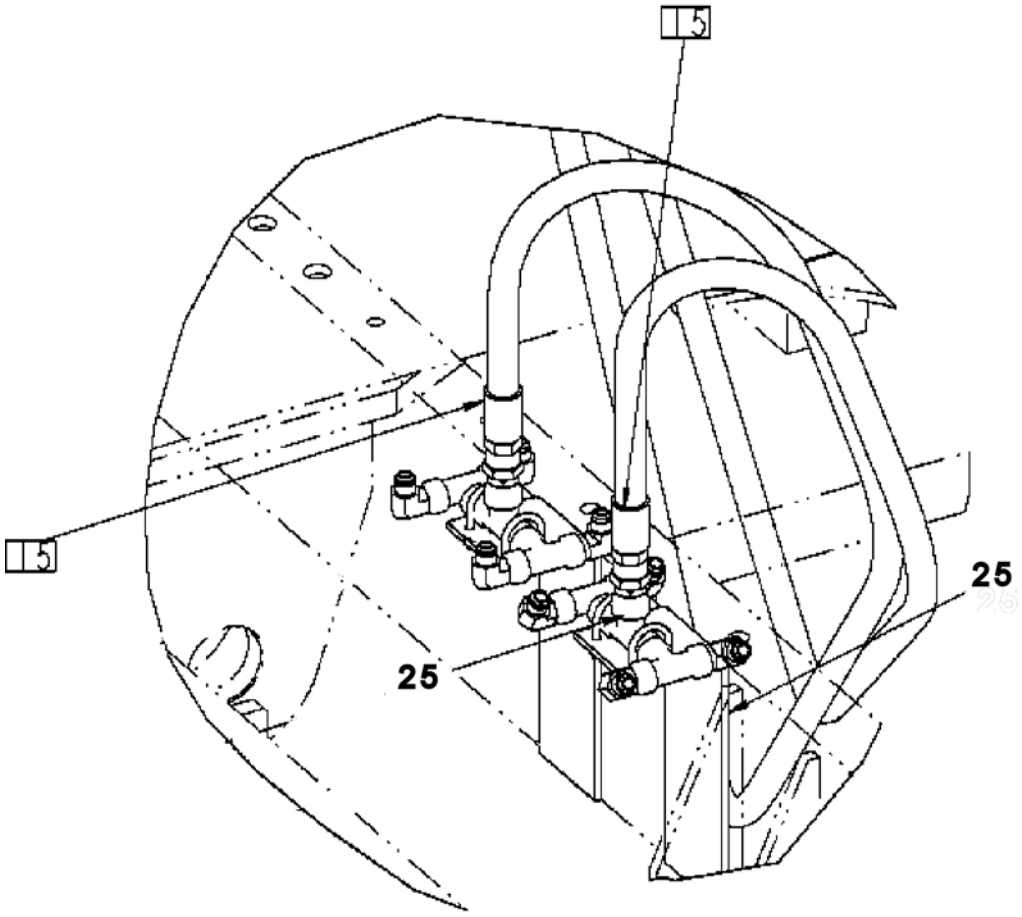
DETAIL MM



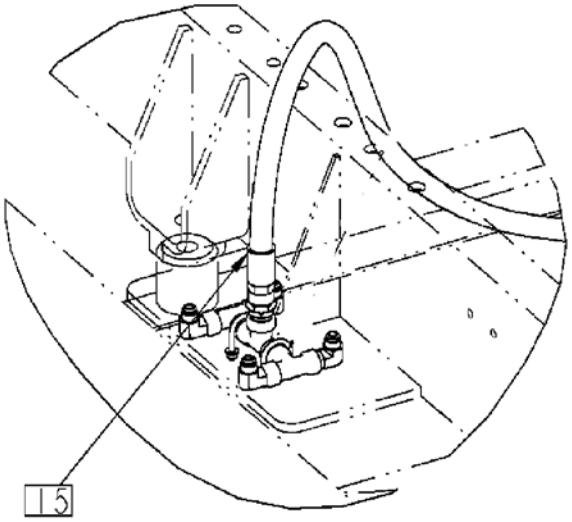
DETAIL Z

D2657653107 REV 001

57653107 FIRE SUPPRESSION



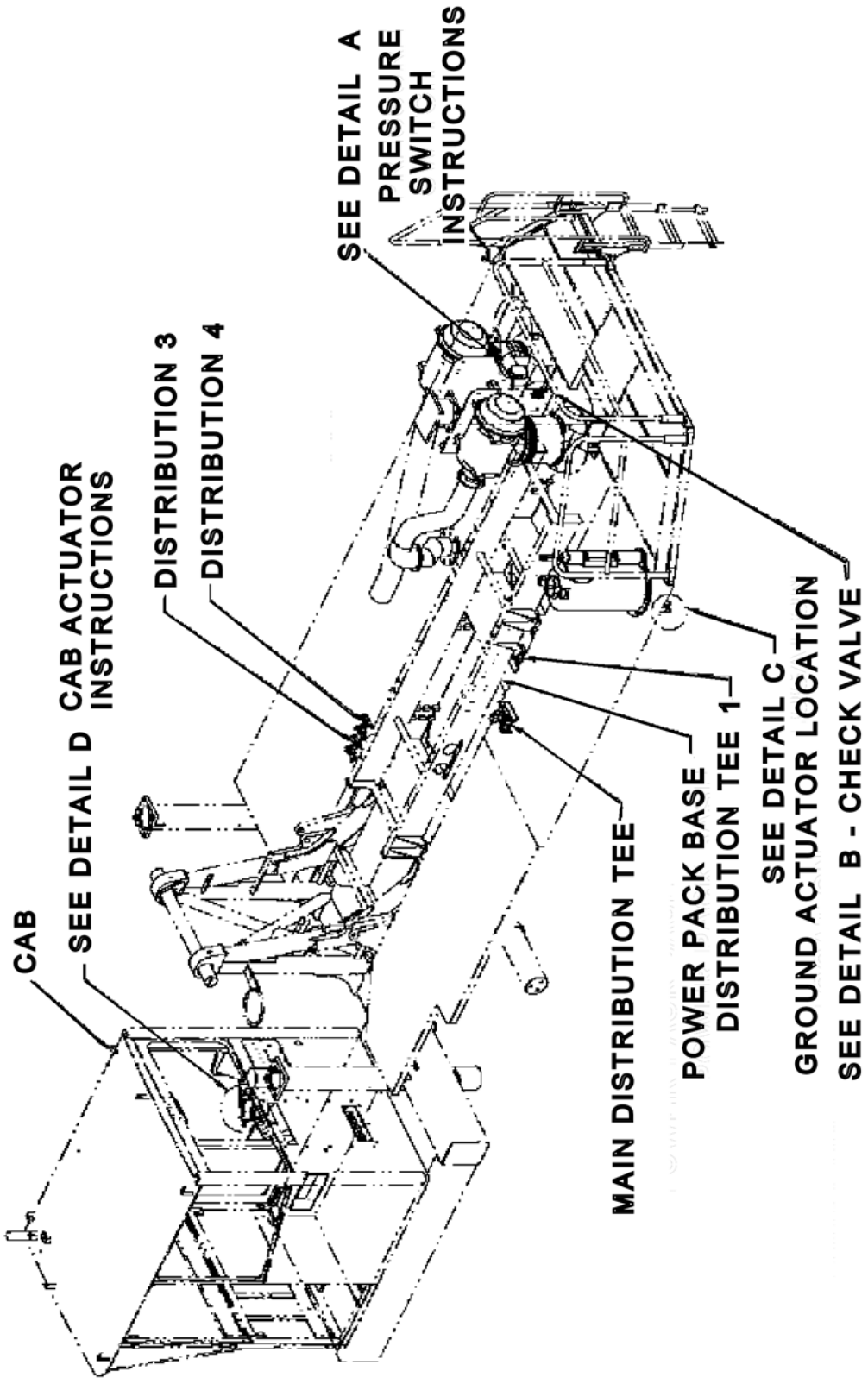
DETAIL K



DETAIL J

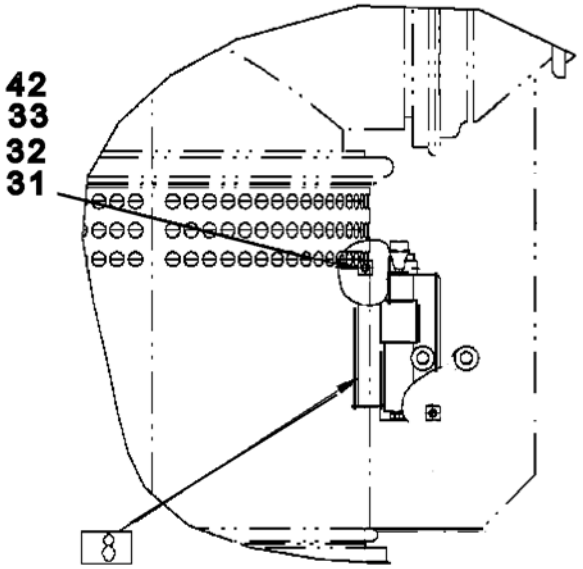
D2657653107 REV 001

57653107 FIRE SUPPRESSION

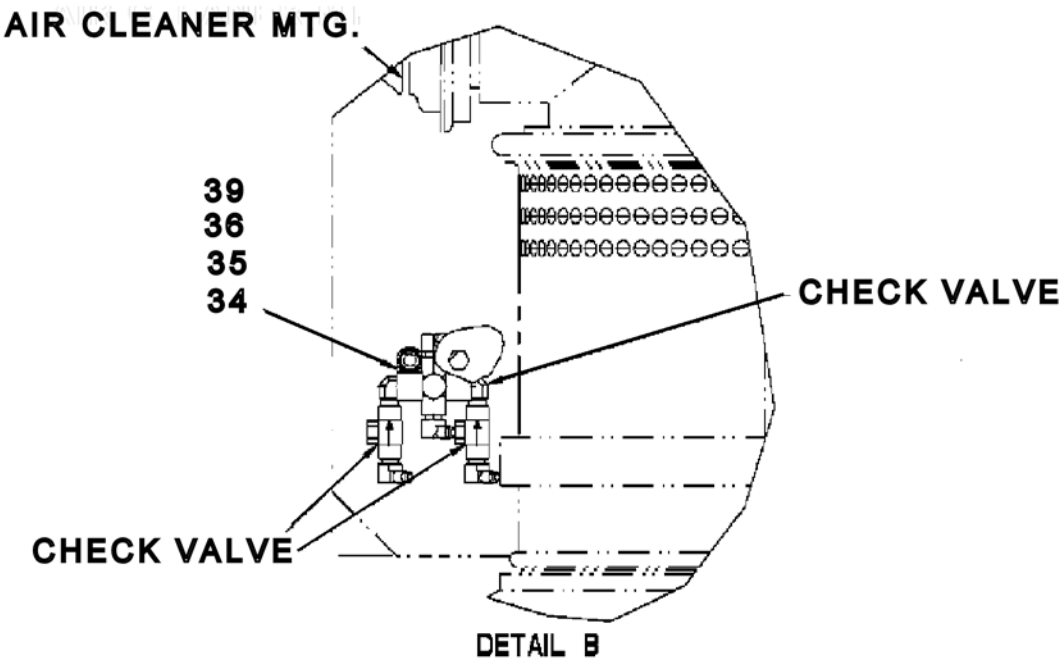


D2657653107 REV 001

57653107 FIRE SUPPRESSION



DETAIL A

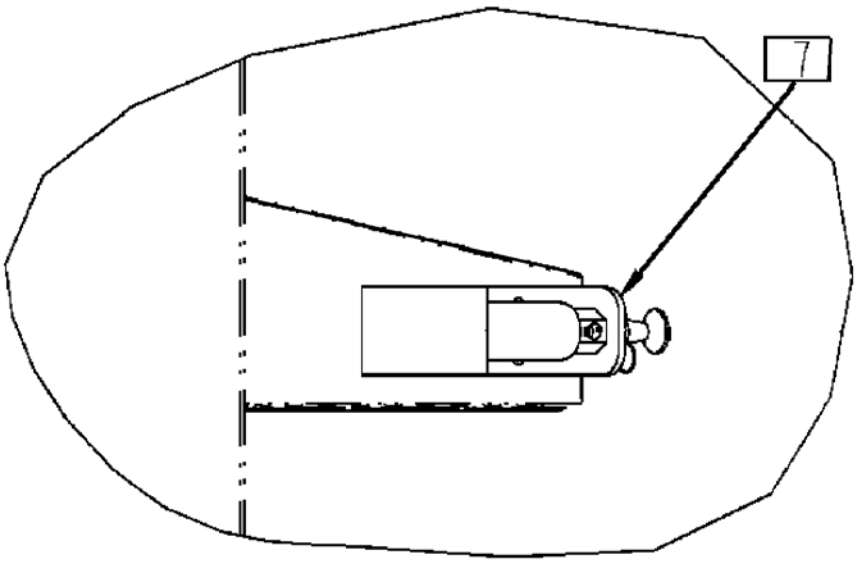


DETAIL B

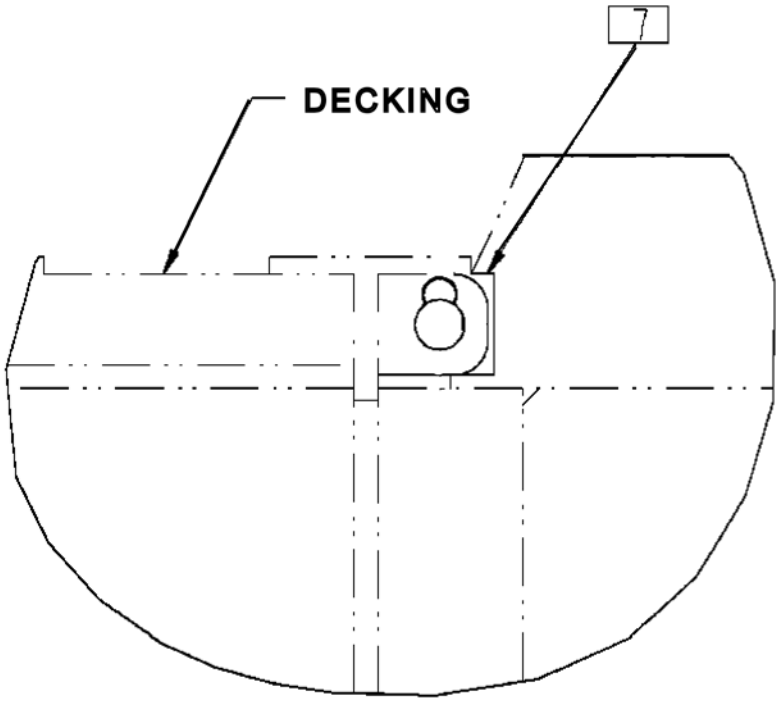
D2657653107 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57653107 FIRE SUPPRESSION



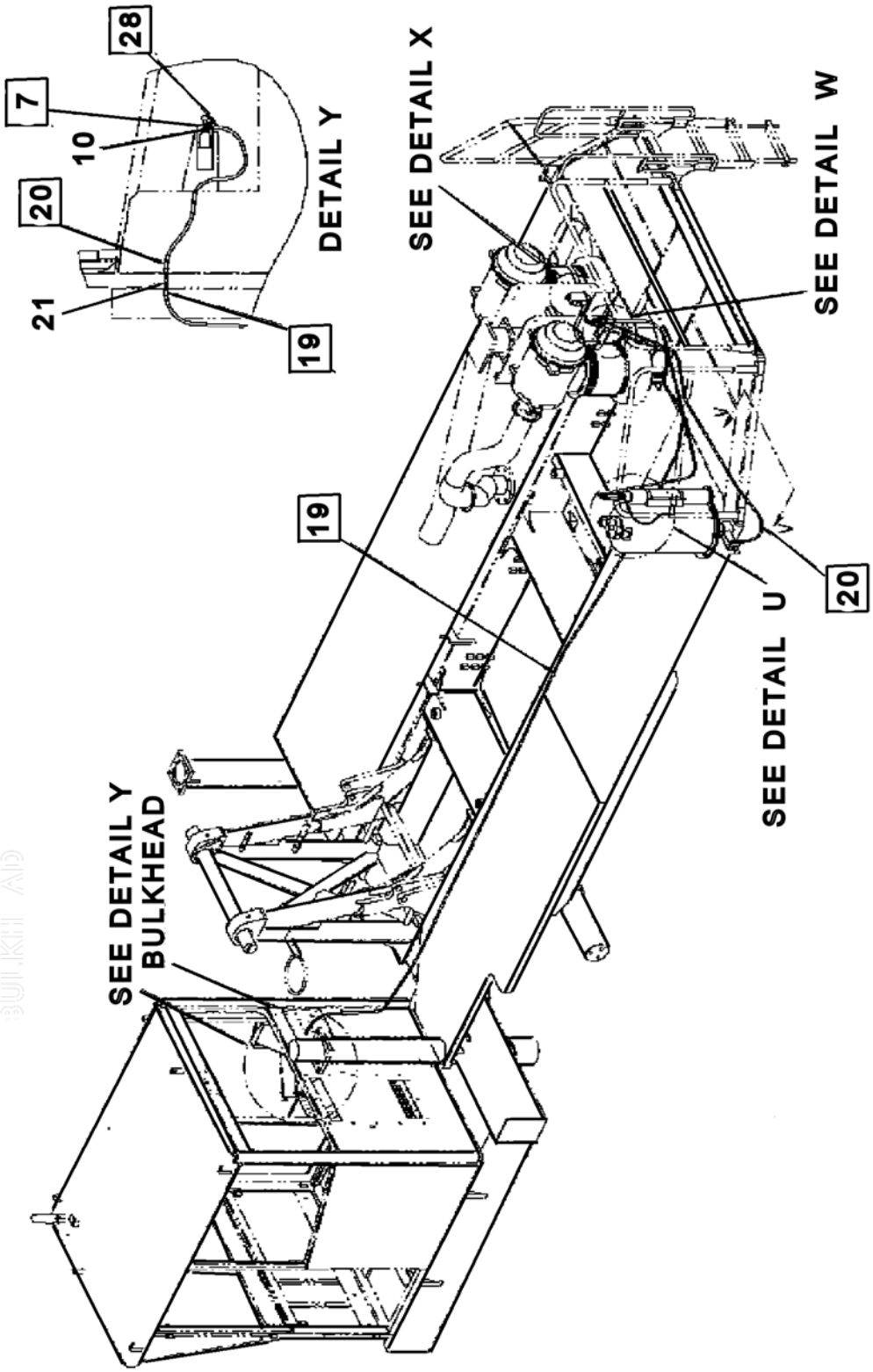
DETAIL D



DETAIL C

D2657653107 REV 001

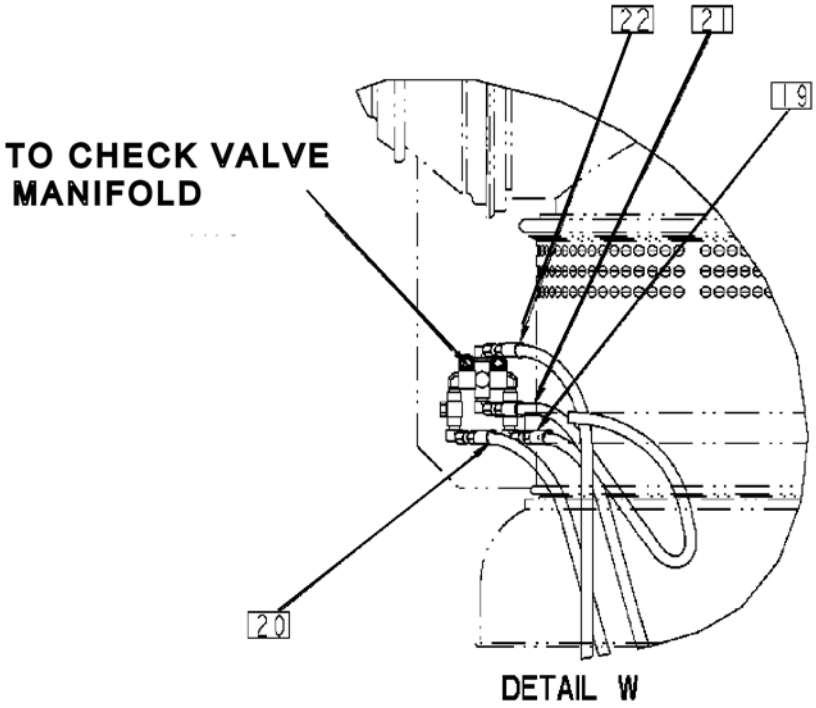
57653107 FIRE SUPPRESSION



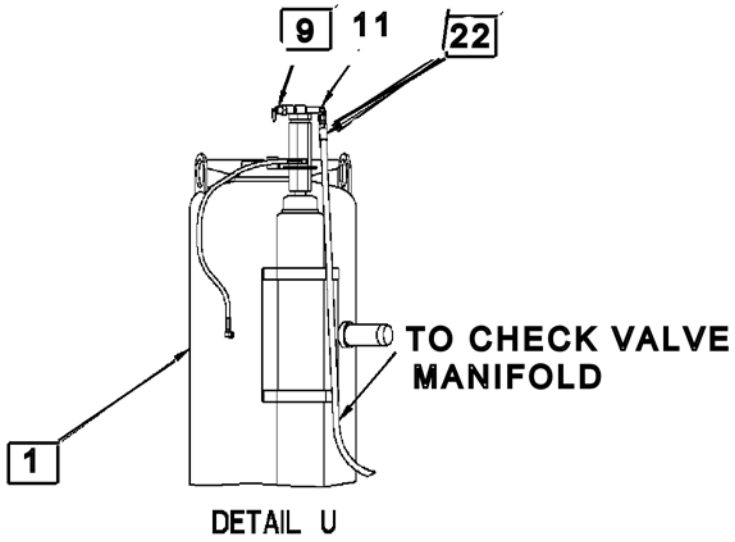
D2657653107 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57653107 FIRE SUPPRESSION

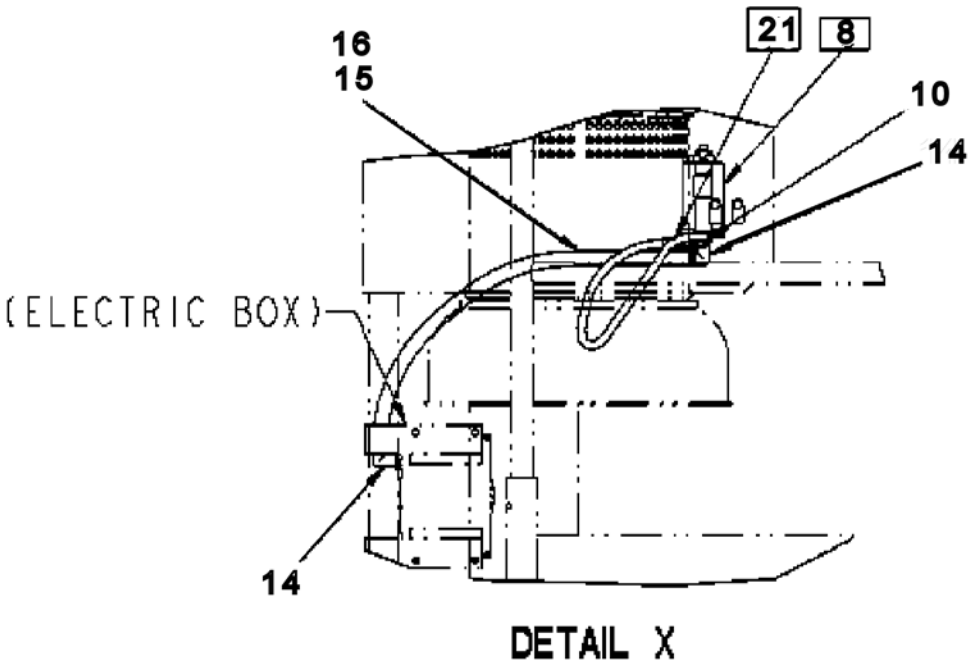


DETAIL W

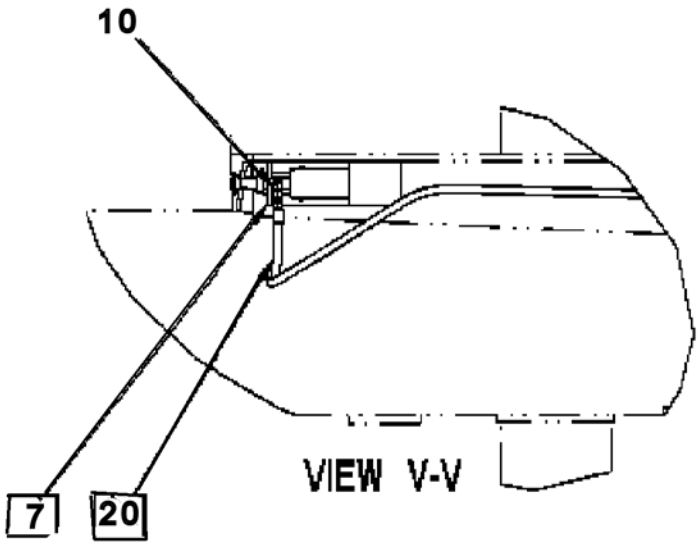


DETAIL U

57653107 FIRE SUPPRESSION



DETAIL X

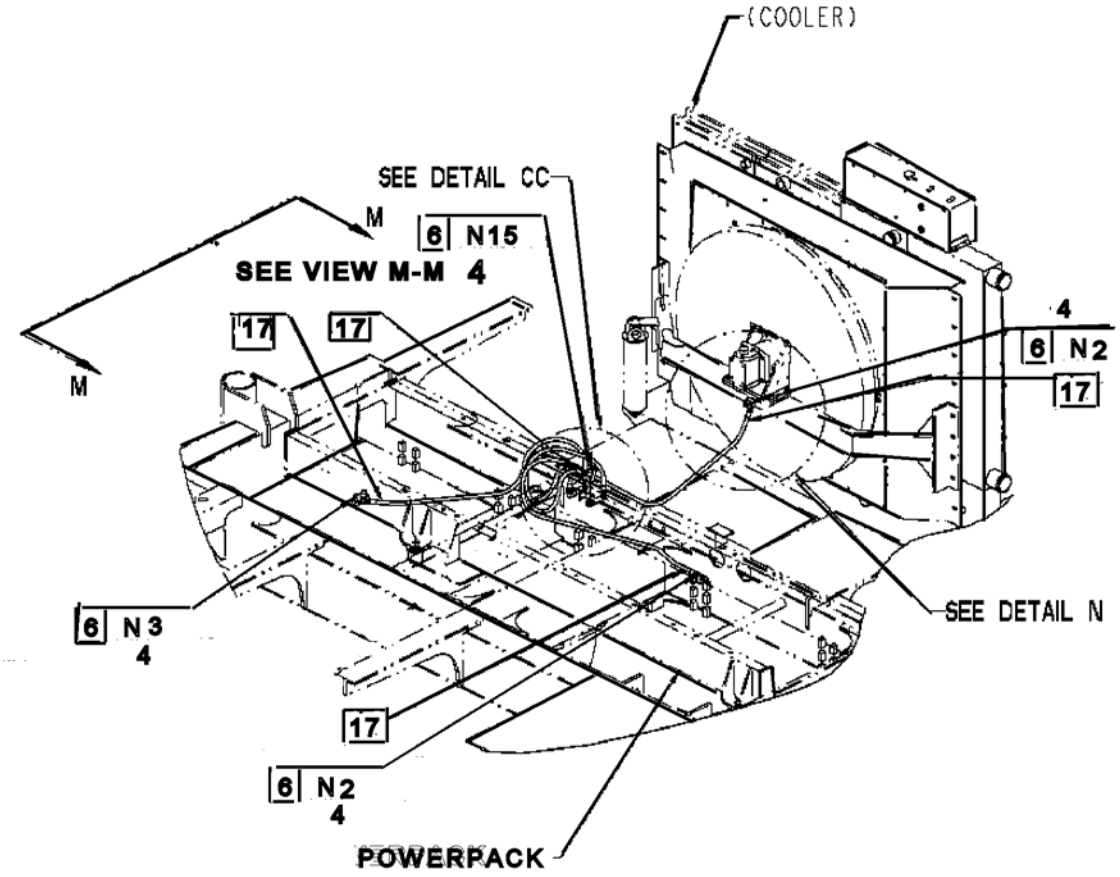


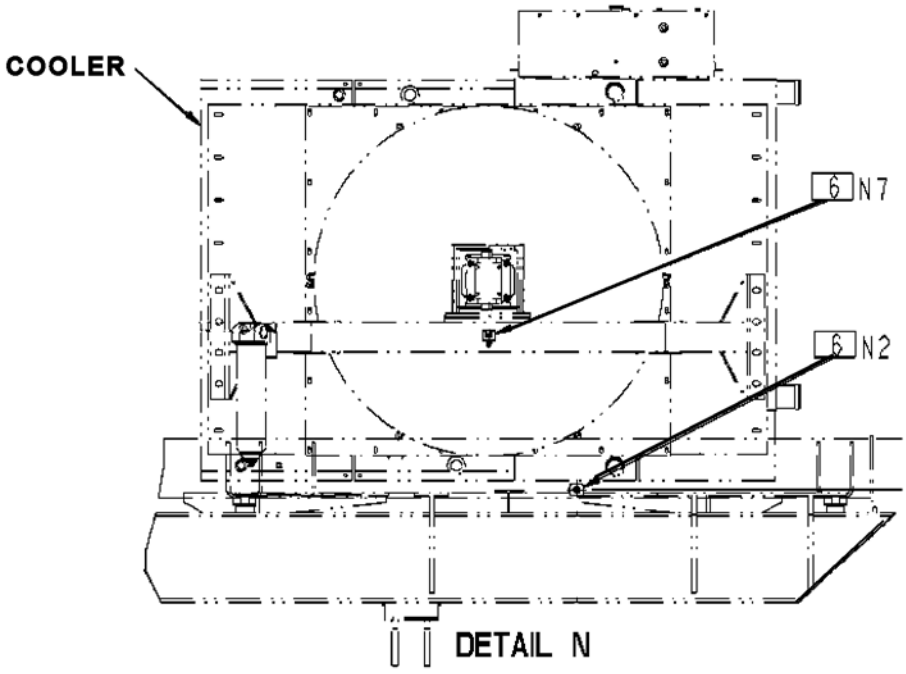
VIEW V-V

D2657653107 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

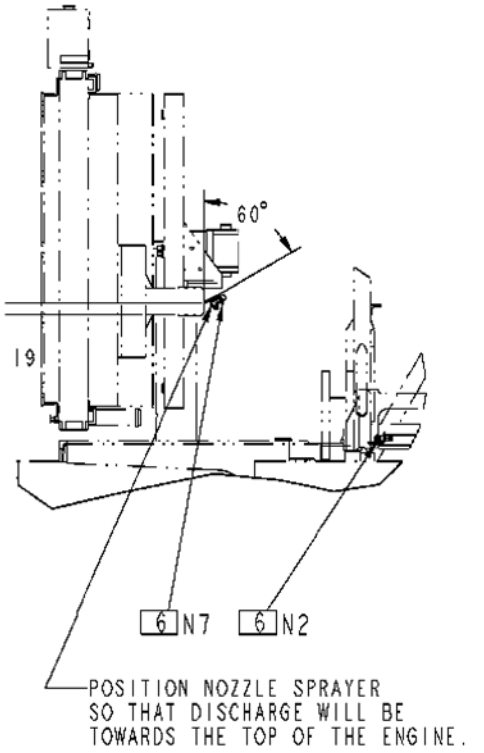
57653107 FIRE SUPPRESSION

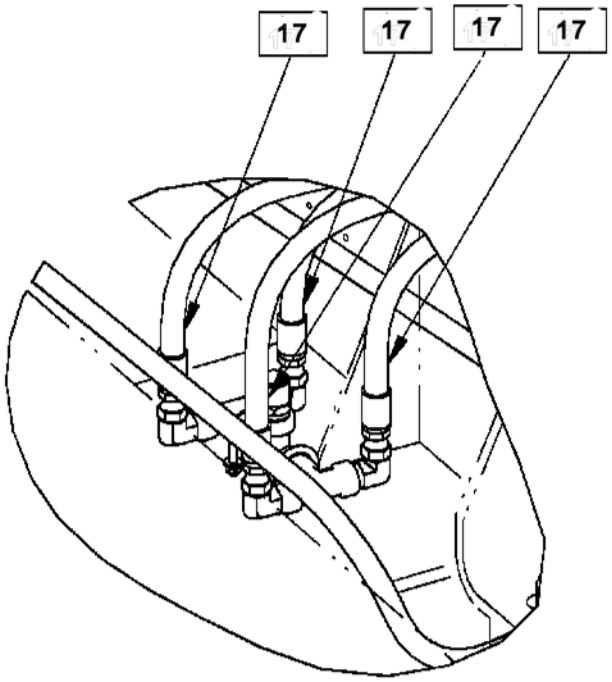




D2657653107 REV 001

57653107 FIRE SUPPRESSION

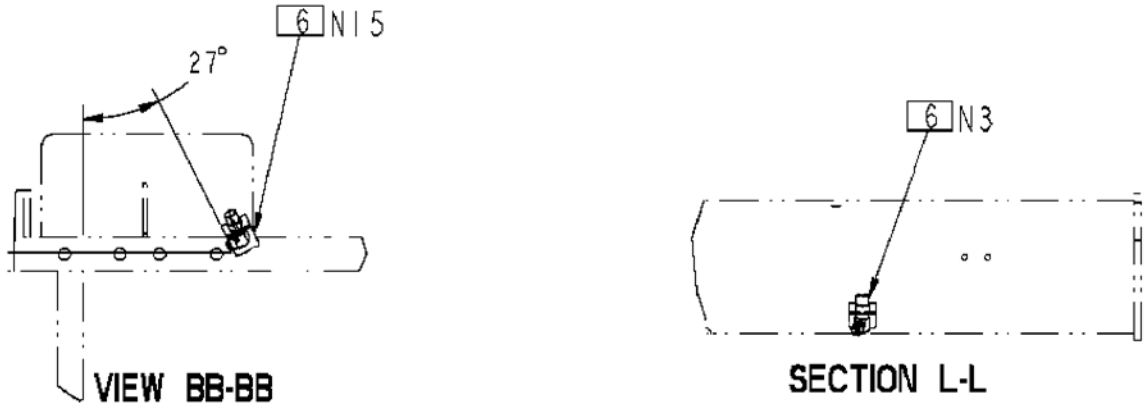


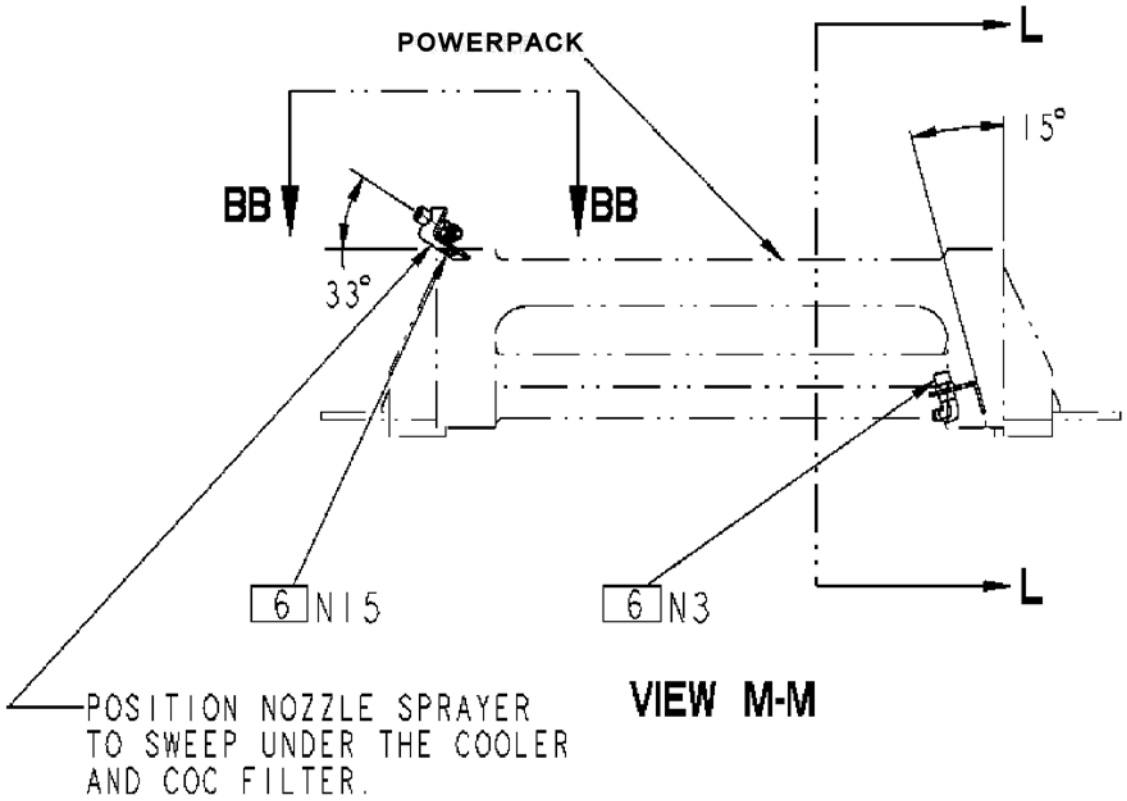


DETAIL CC

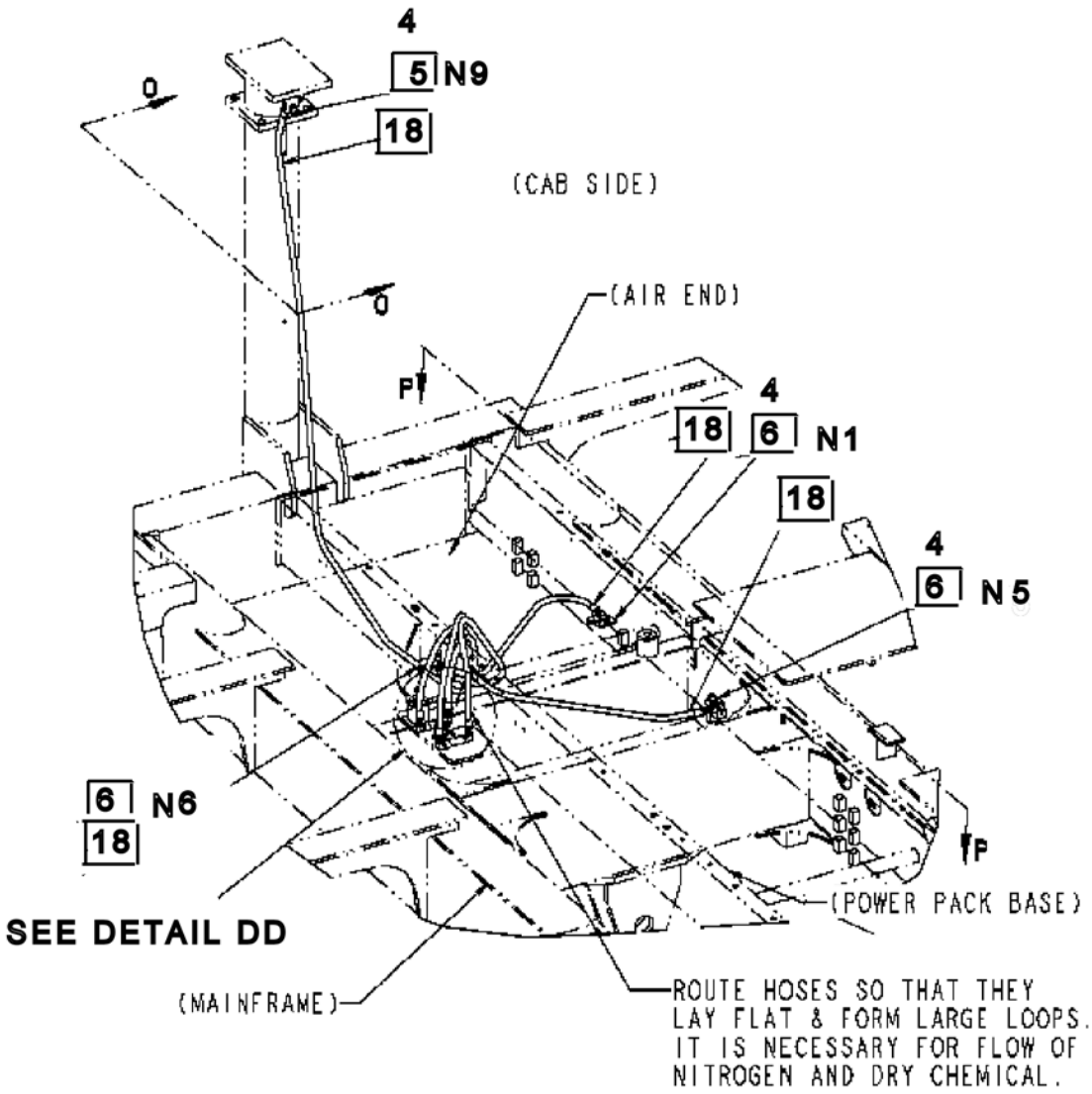
D2657653107 REV 001

57653107 FIRE SUPPRESSION



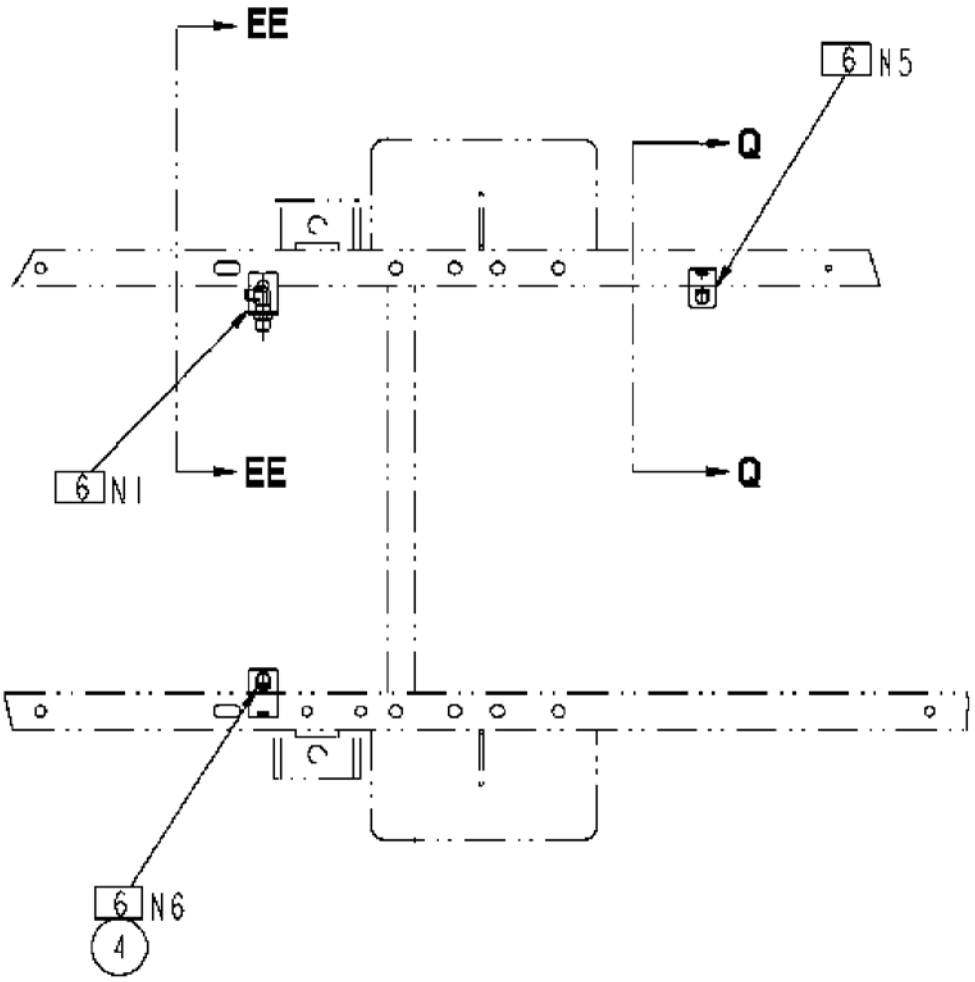


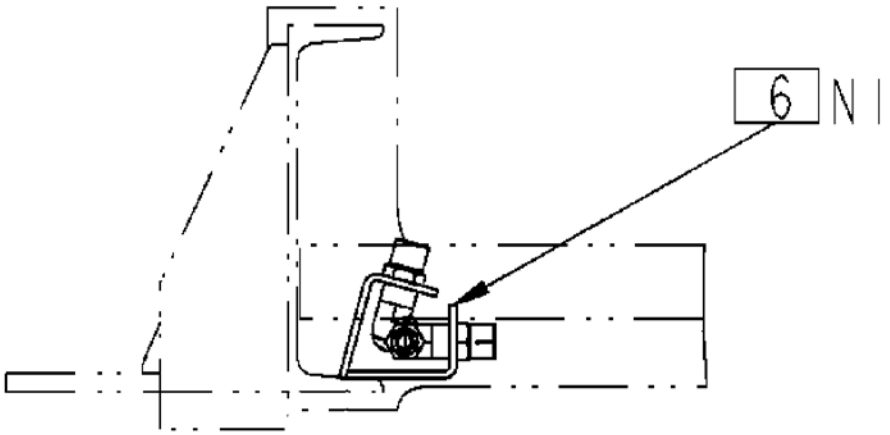
57653107 FIRE SUPPRESSION



D2657653107 REV 001

57653107 FIRE SUPPRESSION

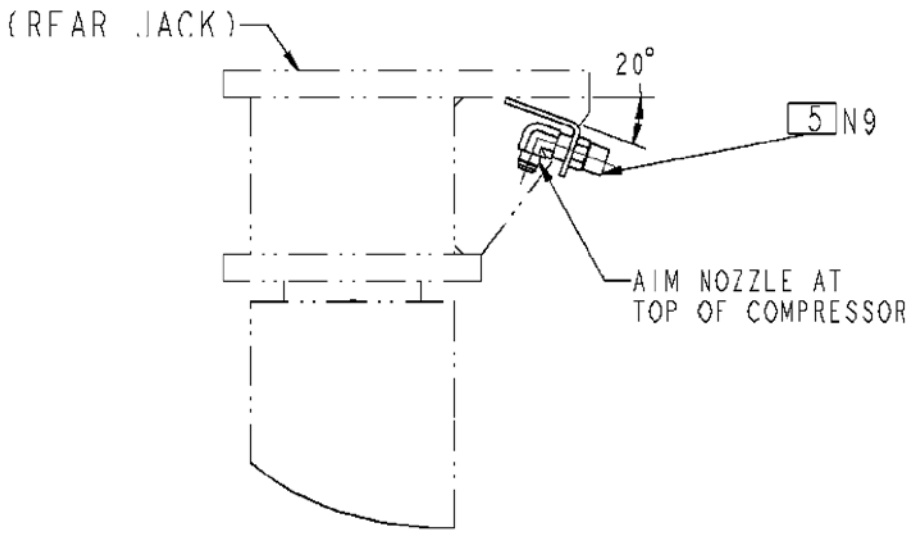




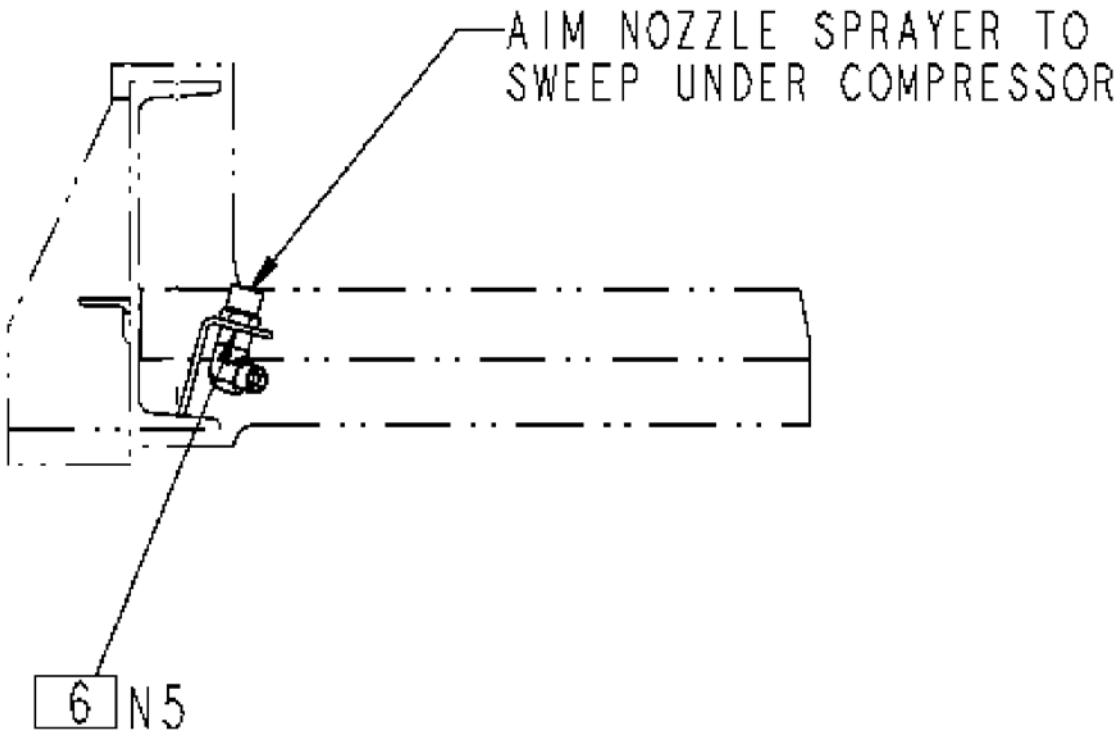
SECTION EE-EE

D2657653107 REV 001

57653107 FIRE SUPPRESSION



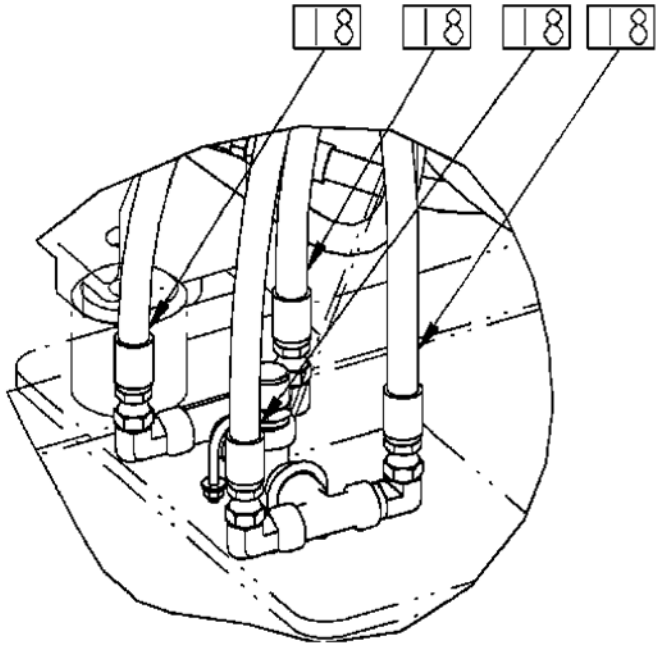
VIEW O-O



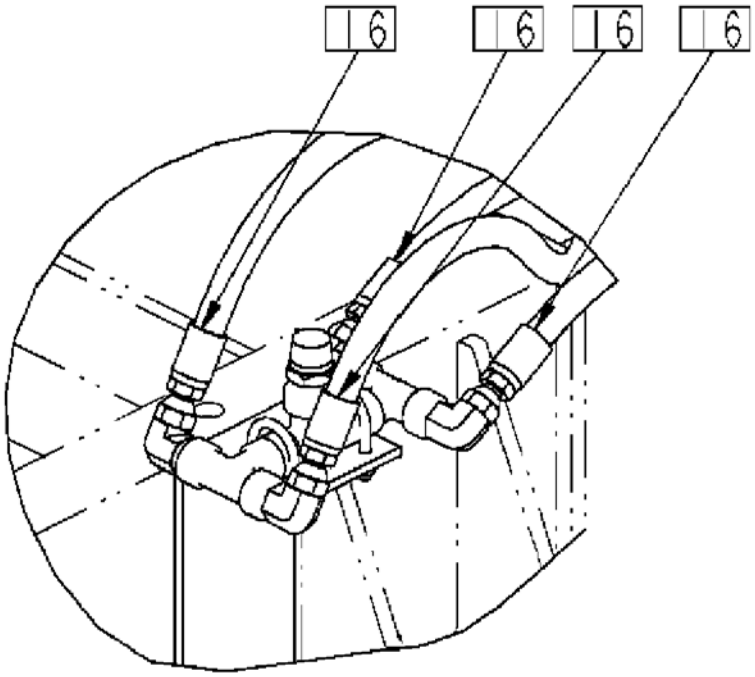
SECTION Q-Q

D2657653107 REV 001

57653107 FIRE SUPPRESSION



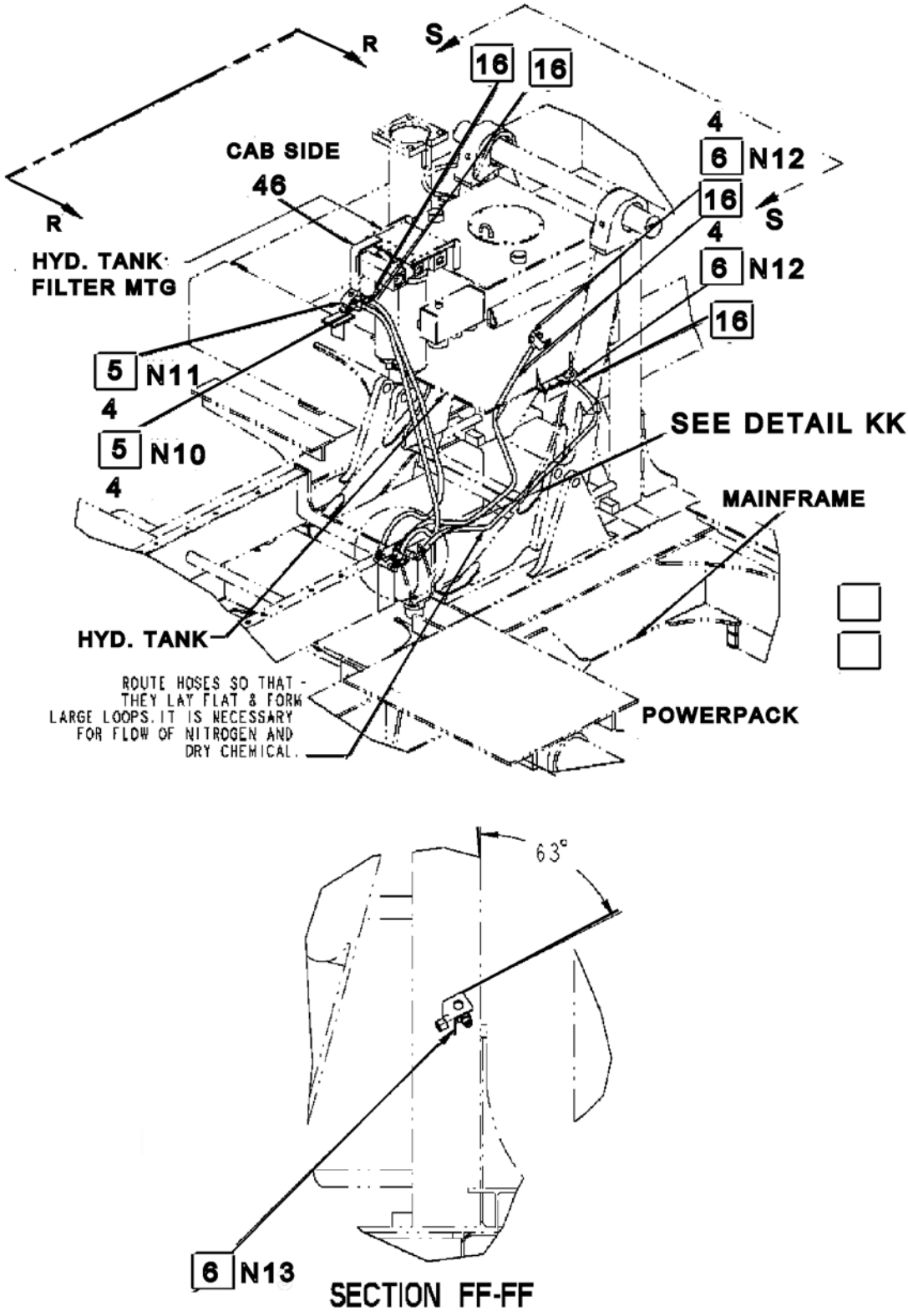
DETAIL DD



DETAIL KK

D2657653107 REV 001

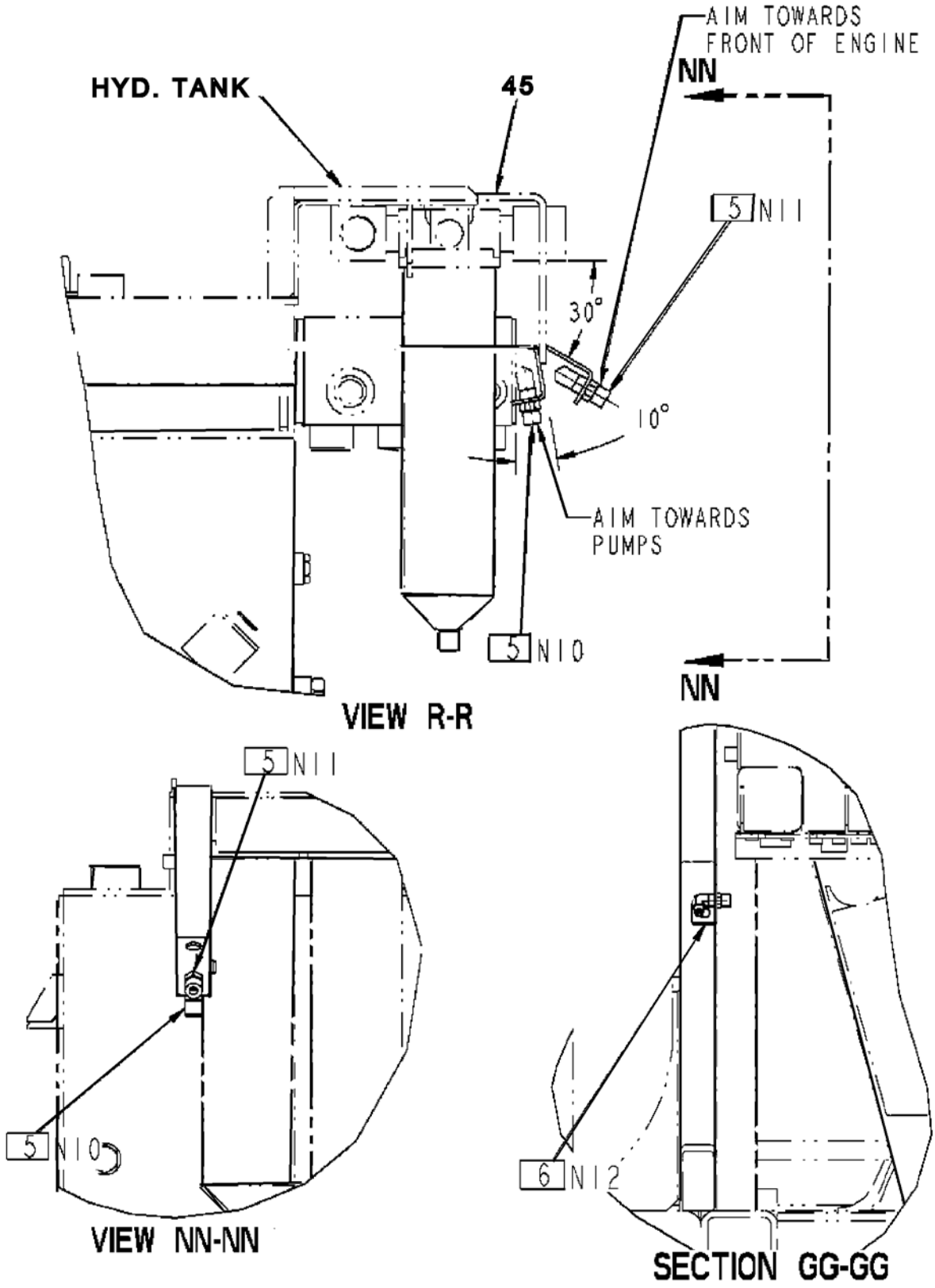
57653107 FIRE SUPPRESSION



D2657653107 REV 001

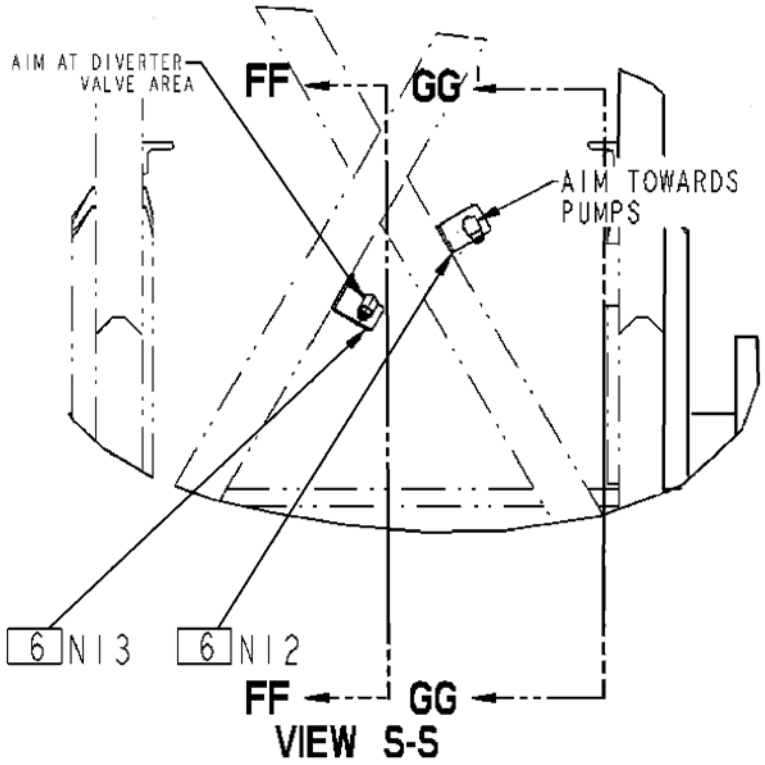
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

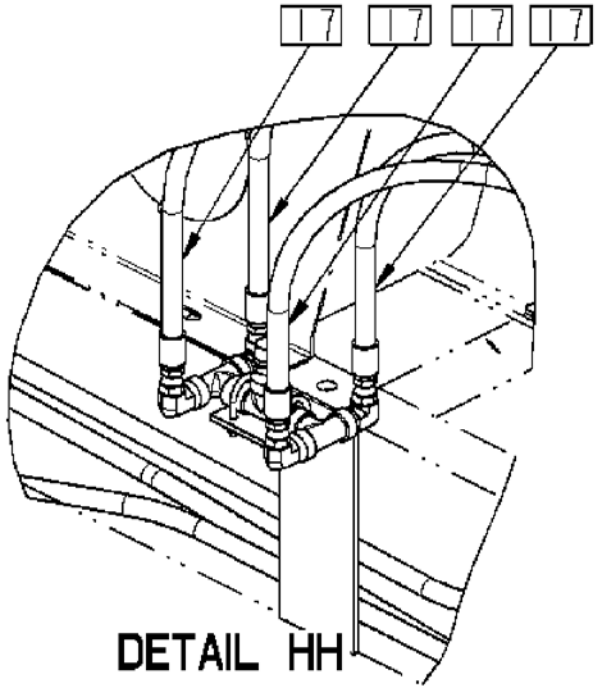
57653107 FIRE SUPPRESSION



D2657653107 REV 001

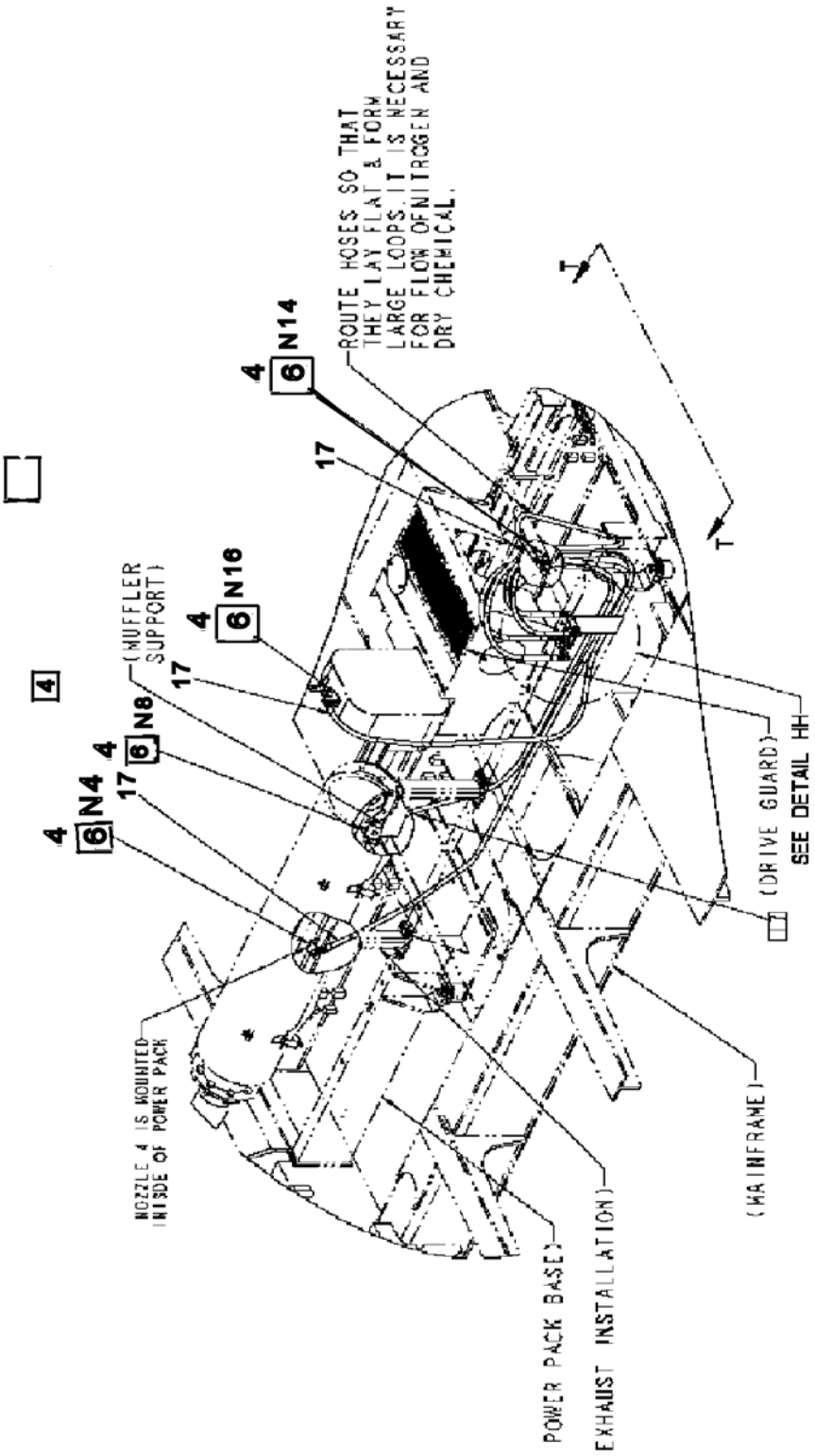
57653107 FIRE SUPPRESSION





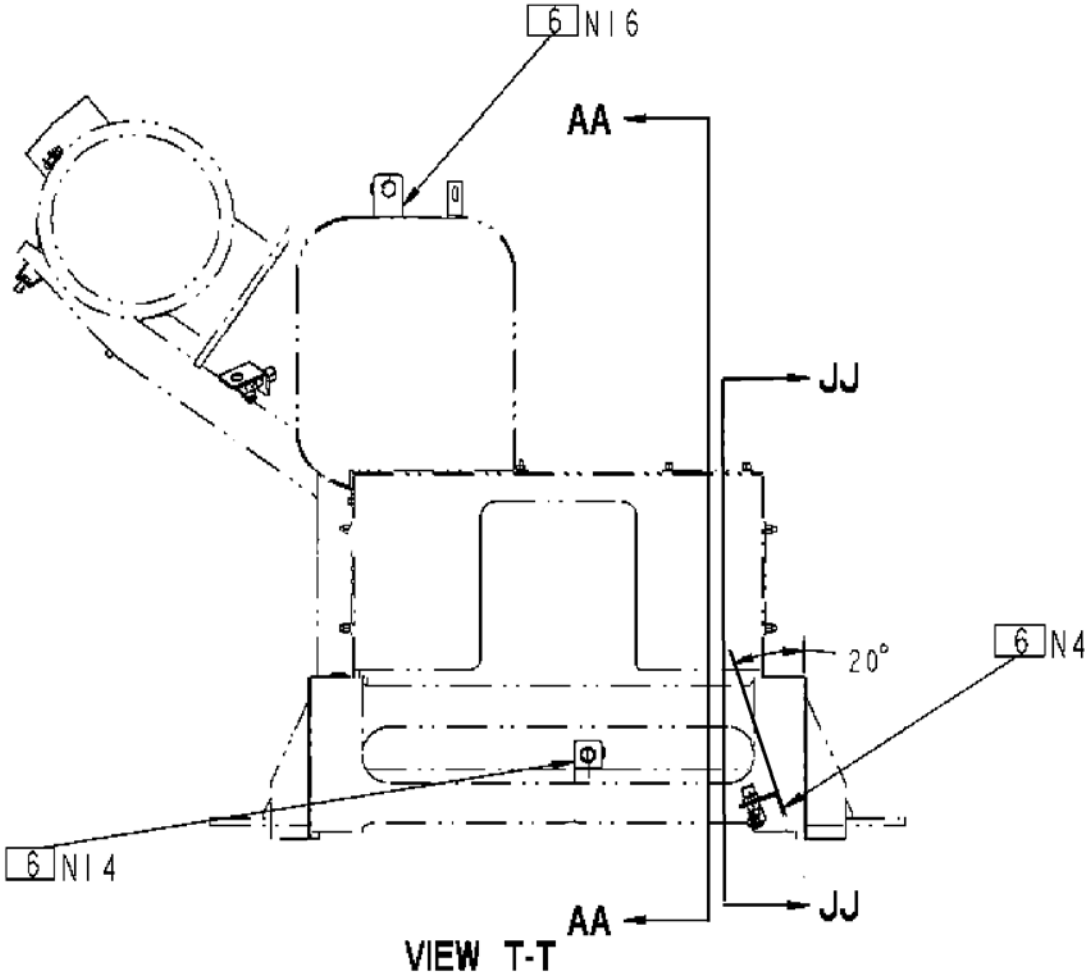
D2657653107 REV 001

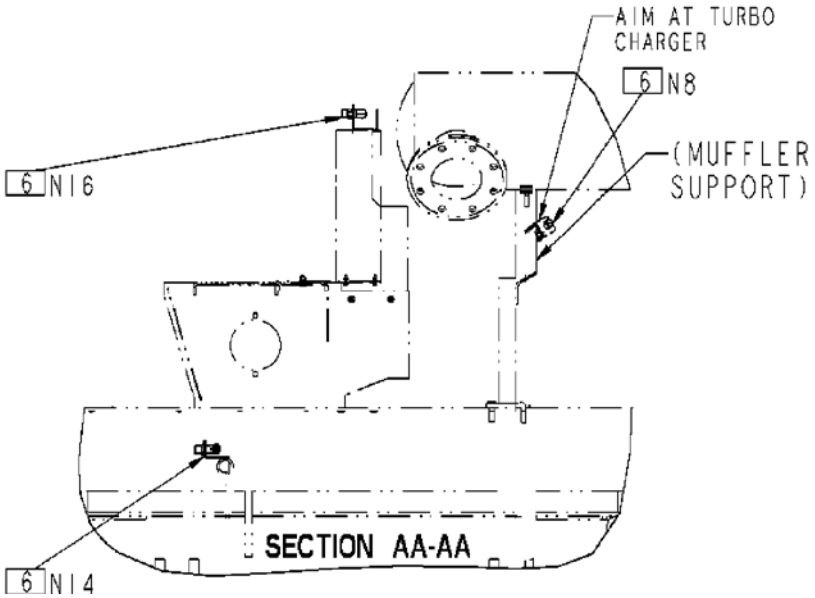
57653107 FIRE SUPPRESSION



D2657653107 REV 001

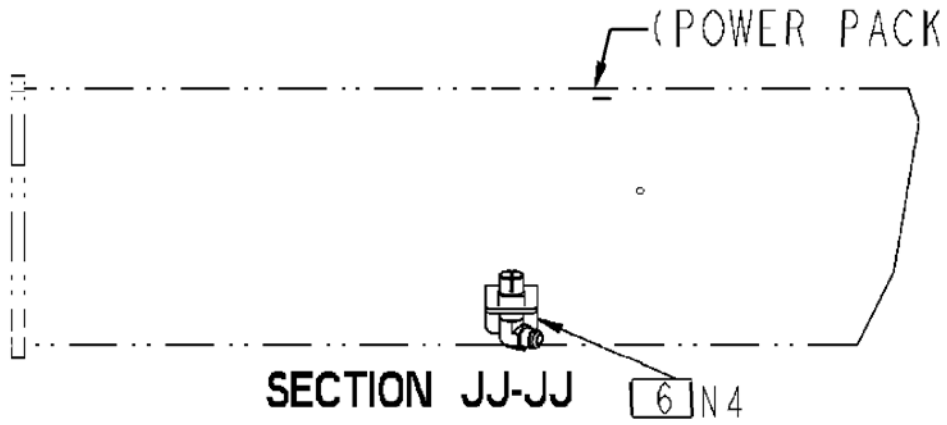
57653107 FIRE SUPPRESSION

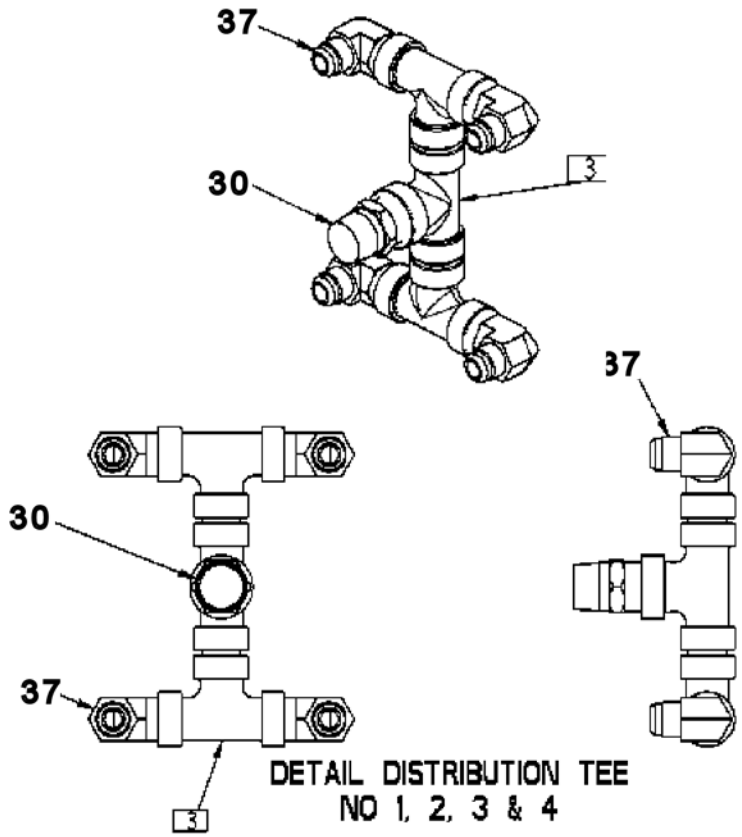




D2657653107 REV 001

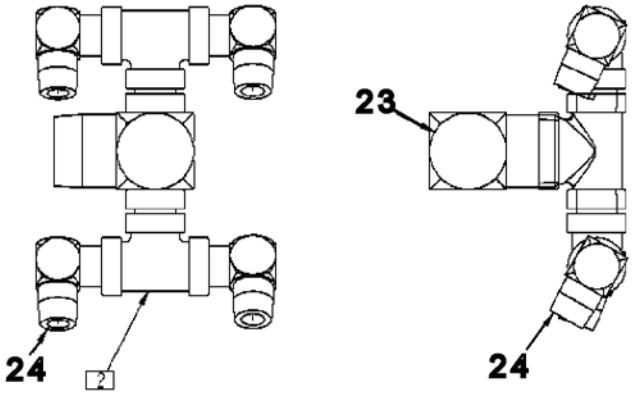
57653107 FIRE SUPPRESSION

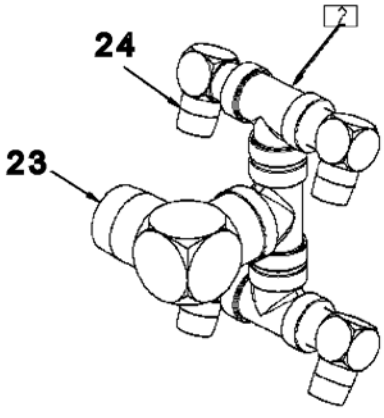




D2657653107 REV 001

57653107 FIRE SUPPRESSION



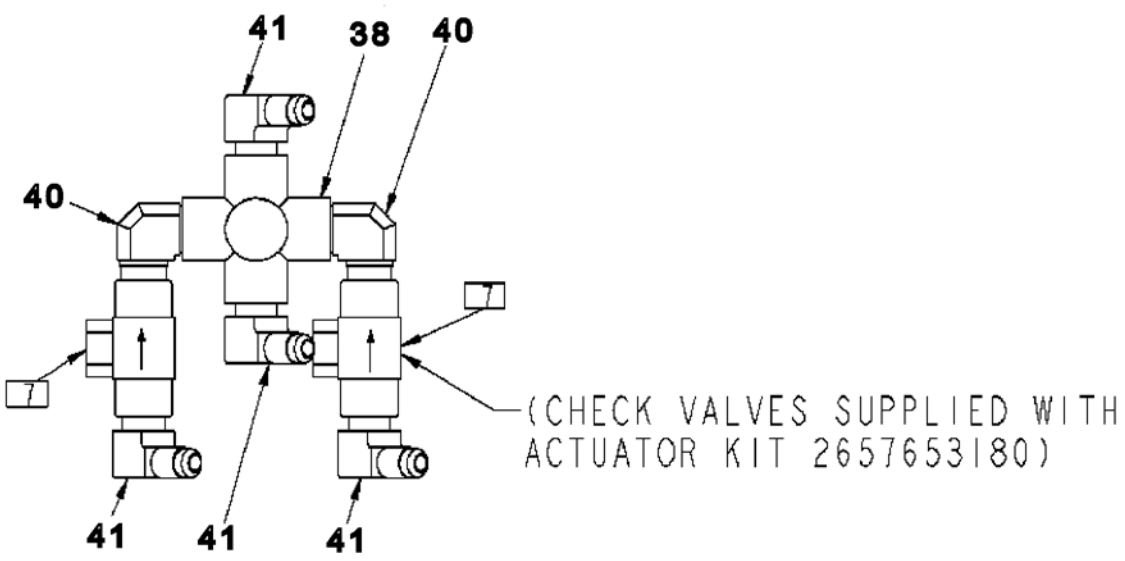


DETAIL MAIN DISTRIBUTION TEE

D2657653107 REV 001

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57653107 FIRE SUPPRESSION



DETAIL CHECK VALVE MANIFOLD

BOM 57653107

57653107 FIRE SUPPRESSION

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57653115	1.0	EA	KIT,FIRE SUPPRESSION	
-	57653123	1.0	EA	- TANK,LT-A-125	
-	57770059	1.0	EA	- ACTUATOR,PNEUMATIC	
-	57653131	1.0	EA	- SUPPLY,"T"	
-	50844067	4.0	EA	- TEE,TRIPLE	
-	57653164	1.0	EA	- NOZZLE,C1/2	
-	57653172	3.0	EA	- NOZZLE,V1/2	
-	57653180	2.0	EA	- ACTUATOR	
-	57653198	1.0	EA	- SWITCH,PRESSURE	
-	50583228	1.0	EA	- VALVE, SAFETY VENT	
-	57672347	1.0	EA	- MANUAL	
-	57672354	1.0	EA	- MANUAL	
-	57672362	1.0	EA	- MANUAL	
-	57672370	1.0	EA	- MANUAL	
-	57672388	1.0	EA	- HOSE ASSEMBLY 24X96	
-	57672396	4.0	EA	- HOSE ASSEMBLY, 12X120	
-	57705360	4.0	EA	- HOSE,ASSEMBLY	
-	57672412	8.0	EA	- HOSE,ASSEMBLY	
-	57672420	4.0	EA	- HOSE,ASSEMBLY	
-	57672438	1.0	EA	- HOSE ASSEMBLY, 04X345	
-	57672446	1.0	EA	- HOSE,ASSEMBLY	
-	57743734	1.0	EA	- HOSES,ASSEMBLY	
-	57672594	1.0	EA	- HOSE,ASSEMBLY	
-	57672479	0.0	EA	- CARTRIDGE,LT-10-R	
-	57672487	0.0	EA	- CARTRIDGE,NITROGEN	
-	57672495	0.0	EA	- NIPPLE ASSY	
-	57672503	0.0	EA	- CAP,BLOW-OFF	
-	57117202	0.0	EA	- RECHARGER, DRY CHEMICAL	
-	57672602	1.0	EA	- HOSE,ASSEMBLY	
004.0	95279212	16.0	EA	FITTING,HYD	
010.0	95293403	5.0	EA	ELBOW,90 DEG MALE	
011.0	95302238	1.0	EA	ELBOW	
014.0	95361390	2.0	EA	CONNECTOR, 1/2 90 DEG	
015.0	95245049	18.0	IN	CONDUIT,FLEX-1/2SEALTITE	
016.0	50249671	66.0	IN	WIRE,14AWG-WHITE	
017.0	95972238	6.0	EA	WASHER,FLAT,WIDE	
018.0	95934733	6.0	EA	WASHER,LOCK	
019.0	95104147	6.0	EA	CAPSCREW,HEX	
020.0	95279246	1.0	EA	FITTING,HYD	
021.0	95405221	1.0	EA	FITTING HYD	

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57653107

57653107 FIRE SUPPRESSION

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
022.0	57819187	1.0	EA	MOUNT-CHANNEL-MAIN DIST	
023.0	95279477	1.0	EA	FITTING,HYD	
024.0	95279402	4.0	EA	ELBOW,90DEG MALE 37DGFL	
025.0	57819161	2.0	EA	BRACKET-FWD DIST.TEE	
026.0	95922324	16.0	EA	WASHER,FLAT,NARROW	
027.0	95324117	2.0	EA	U-BOLT,3/8RODX1-1/4PIPE	
028.0	52231792	10.0	EA	U-BOLT	
029.0	95931564	16.0	EA	NUT,HEX,FINISHED	
030.0	95219747	4.0	EA	CONNECTOR,MALE,37 DEG	
031.0	95934816	2.0	EA	CAPSCREW,HEX	
032.0	95934766	18.0	EA	WASHER,LOCK,HELICAL	
033.0	95301859	2.0	EA	CLAMP,HOSE	
034.0	95920674	2.0	EA	CAPSCREW,HEX	
035.0	95922894	6.0	EA	NUT,HEX	
036.0	95937413	6.0	EA	WASHER,LOCK,HELICAL	
037.0	95279212	16.0	EA	FITTING,HYD	
038.0	95279873	1.0	EA	CROSS	
039.0	95922233	6.0	EA	WASHER,FLAT,WIDE	
041.0	95032082	4.0	EA	ADAPTER	
042.0	52240959	2.0	EA	PLATE,TAPPED	
046.0	57390171	1.0	EA	BRACKET - HOSE TRAY	

BOM 57536500

57536500 ANGLE DRILL-0-30DEG,ELEC

LIST REV 000

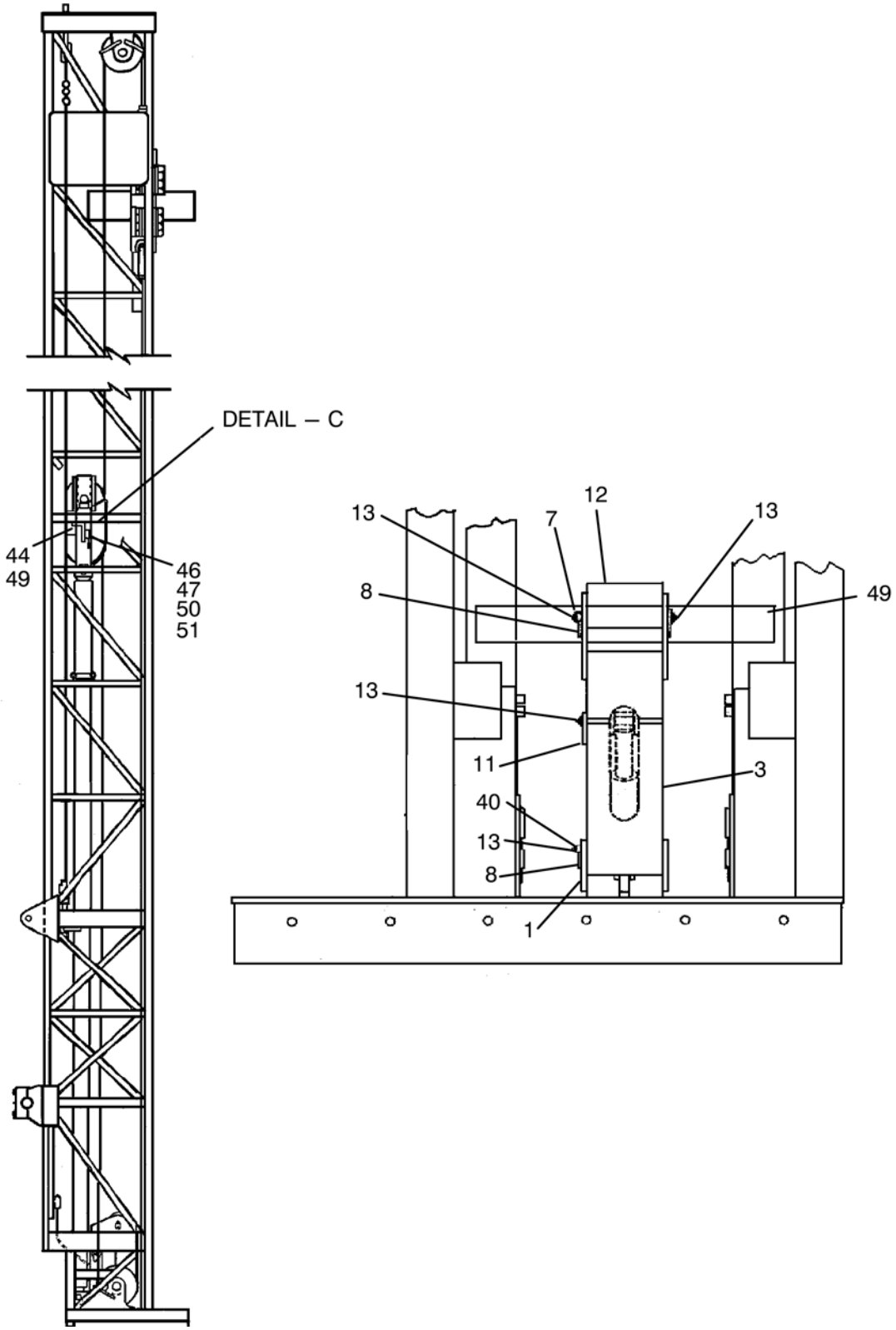
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57536500

57536500 ANGLE DRILL-0-30DEG,ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57429326	1.0	EA	BAR,TIE,O-30 DEGREES	
002.1	56250301	1.0	EA	ROD SUPPORT ASY,ELEC,MAN	**See Page 620**
003.0	57145468	1.0	EA	PIN, TIEBAR- 0-30 DEG	
004.0	95935151	1.0	EA	CAPSCREW	
005.0	95922894	1.0	EA	NUT,HEX	
006.0	95937413	1.0	EA	WASHER,LOCK,HELICAL	

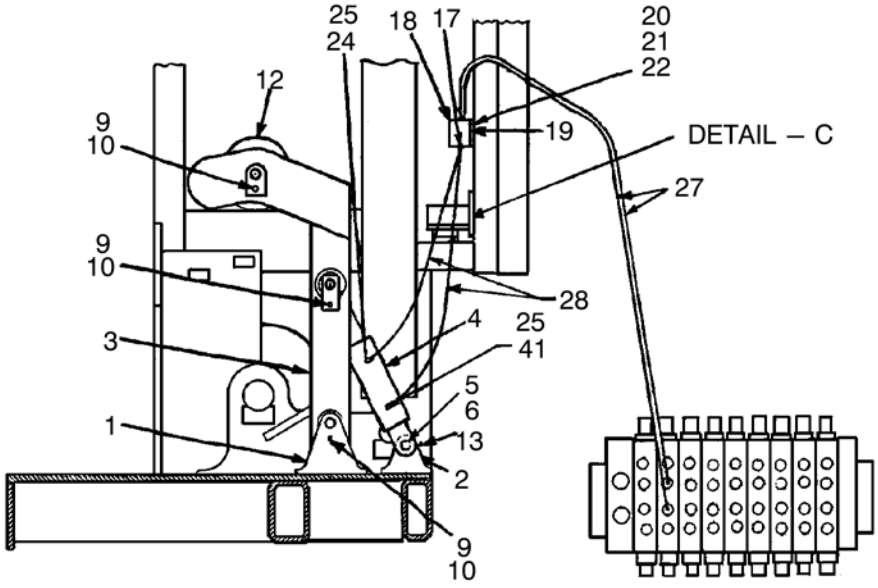
56250301 ROD SUPPORT ASY,ELEC,MAN



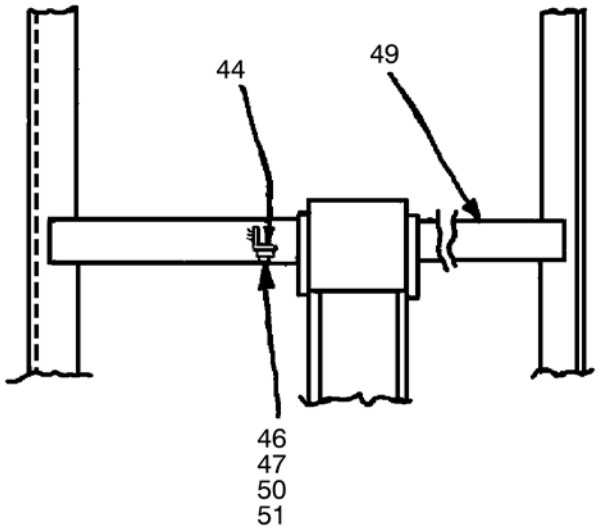
TB2657535940 REV 009

BOM 56250301

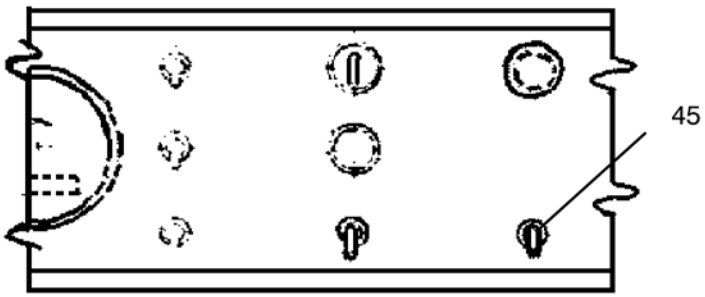
56250301 ROD SUPPORT ASY,ELEC,MAN



56250301 ROD SUPPORT ASY,ELEC,MAN

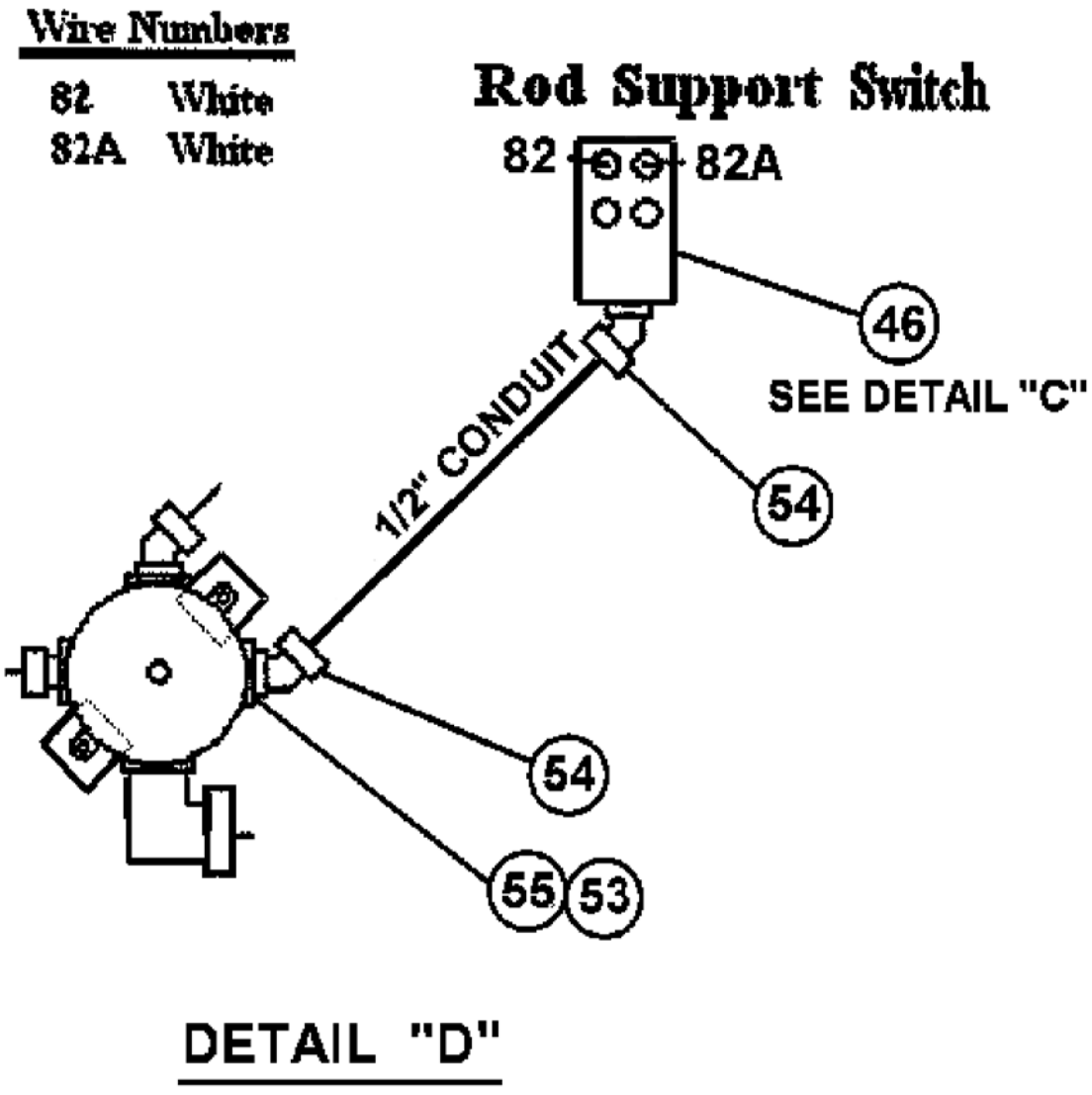


DETAIL – C

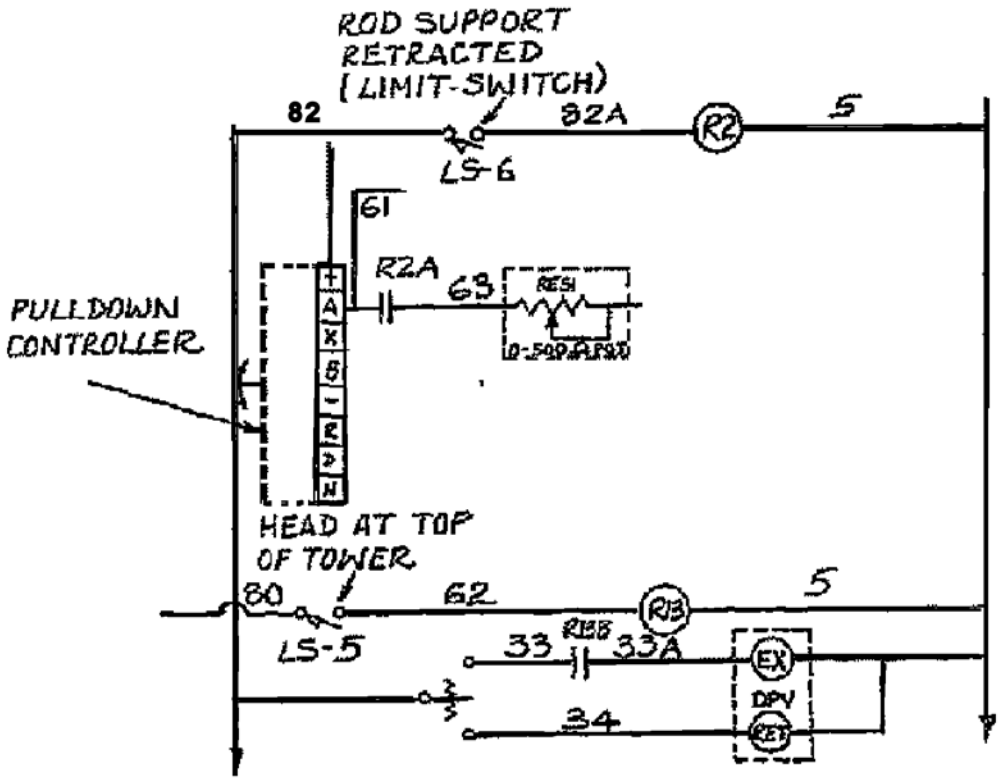


CONTROL PANEL

56250301 ROD SUPPORT ASY,ELEC,MAN



56250301 ROD SUPPORT ASY,ELEC,MAN



ROD SUPPORT ELECTRICALSCHEMATIC

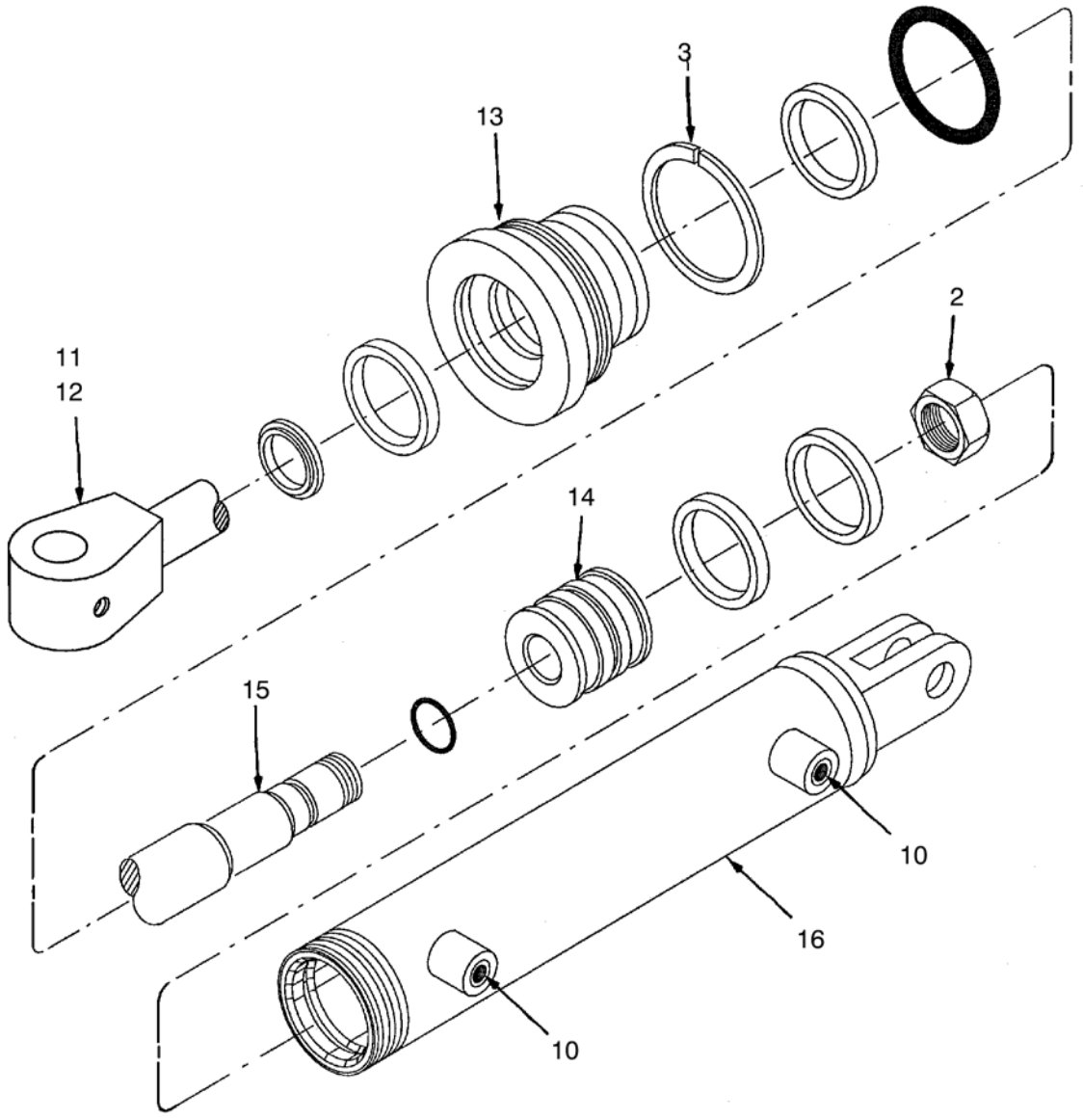
BOM 56250301

56250301 ROD SUPPORT ASY,ELEC,MAN

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	56250020	2.0	EA	BRACKET,ARM MTG,ROD SUPT	
002.0	57423782	1.0	EA	BRKT, CYL MTG-ROD SUPT	
003.0	56250038	1.0	EA	ARM,ROD SUPORT,DMC TWR	
004.0	57423808	1.0	EA	CYLINDER, HYDRAULIC	**See Page 626**
005.0	95342028	1.0	EA	PIN,HINGE	
006.0	95093381	2.0	EA	PIN,COTTER	
007.1	57273237	1.0	EA	PIN, PIVOT	
-	57273229	1.0	EA	- PIN	
-	57046831	1.0	EA	- RETAINER	
008.0	57273245	2.0	EA	RETAINER	
009.0	95937413	5.0	EA	WASHER,LOCK,HELICAL	
010.0	95920674	5.0	EA	CAPSCREW,HEX	
011.0	57423832	1.0	EA	PIN, LOCKING -CYL.	
012.0	57423824	1.0	EA	ROLLER GUIDE, RODSUPPORT	
-	95381190	2.0	EA	- BEARING	
013.0	95201547	6.0	EA	FITTING,LUBE	
017.0	95316972	4.0	EA	CONNECTOR,MALE,37 DEG	
018.0	50462944	1.0	EA	VALVE,CHECK-DBL PILOTOP	
019.0	57728255	1.0	EA	BAR,TAPPED	
020.0	95943668	2.0	EA	CAPSCREW,HEX	
021.0	95934303	2.0	EA	WASHER,LOCK,PLATED	
022.0	95922225	2.0	EA	WASHER,FLAT	
024.2	95279089	1.0	EA	ELBOW	
025.0	57291049	2.0	EA	RESTRICTOR, JIC/JIC .062	
027.1	56957764	2.0	EA	HOSE ASSY	
028.1	56950082	2.0	EA	HOSE ASSY	
040.0	56250012	1.0	EA	PIN, ROD SUPPORT ARM	
041.0	95219713	1.0	EA	CONNECTOR,MALE,37 DEG.	
044.0	57541245	1.0	EA	BRACKET,SWITCH,ROD SUPT	
045.0	57216913	1.0	EA	SWITCH,TOGGLE	
046.1	50518653	1.0	EA	SWITCH,LIMIT	
047.1	57194987	1.0	EA	ARM,ADJUSTABLE	
049.0	57535064	1.0	EA	BAR, FLAT	
050.1	95934766	4.0	EA	WASHER,LOCK,HELICAL	
051.1	95928982	4.0	EA	CAPSCREW	
053.0	52240348	1.0	EA	NUT,SEALING	
054.0	95368536	2.0	EA	CONNECTOR,1/2,45 DEG	
055.0	95256863	1.0	EA	BUSHING,REDUCING	

57423808 CYLINDER, HYDRAULIC

1 –Seal Kit



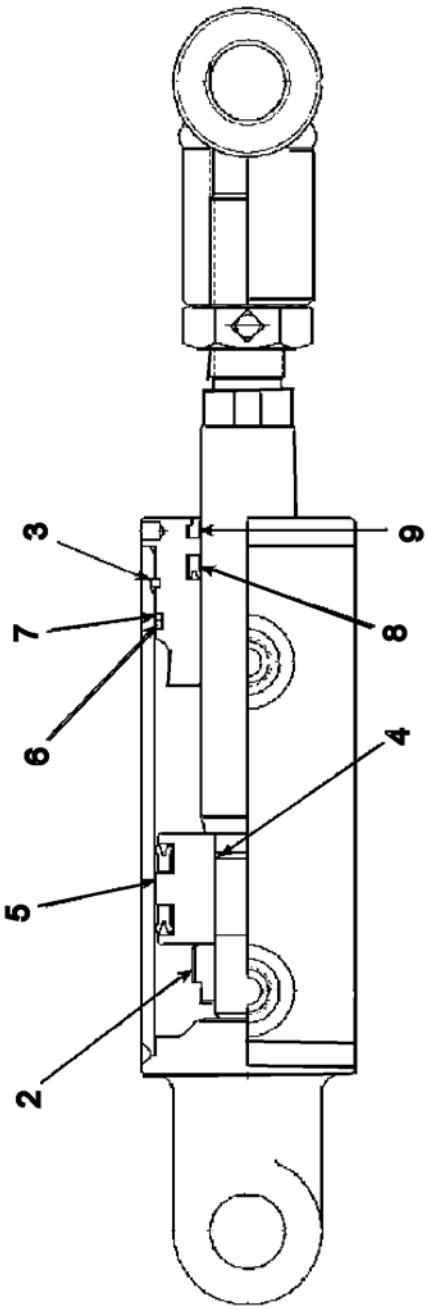
C2657423808 REV 003

BOM 57423808

57423808 CYLINDER, HYDRAULIC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57425043	1.0	EA	SEAL KIT	**See Page 628**
002.0	13084207	1.0	EA	LOCK-NUT	
003.0	57068215	1.0	EA	RING, RETAINING	
010.0	57401622	2.0	EA	PLUG-PORT	
011.0	95531133	1.0	EA	NUT,HEX JAM-1 -12	
012.0	57423915	1.0	EA	PINEYE ASSEMBLY	
013.0	13084215	1.0	EA	HEAD	
014.0	57423931	1.0	EA	PISTON	
015.0	57423949	1.0	EA	ROD	
016.0	57423956	1.0	EA	TUBE ASSEMBLY	

57425043 SEAL KIT



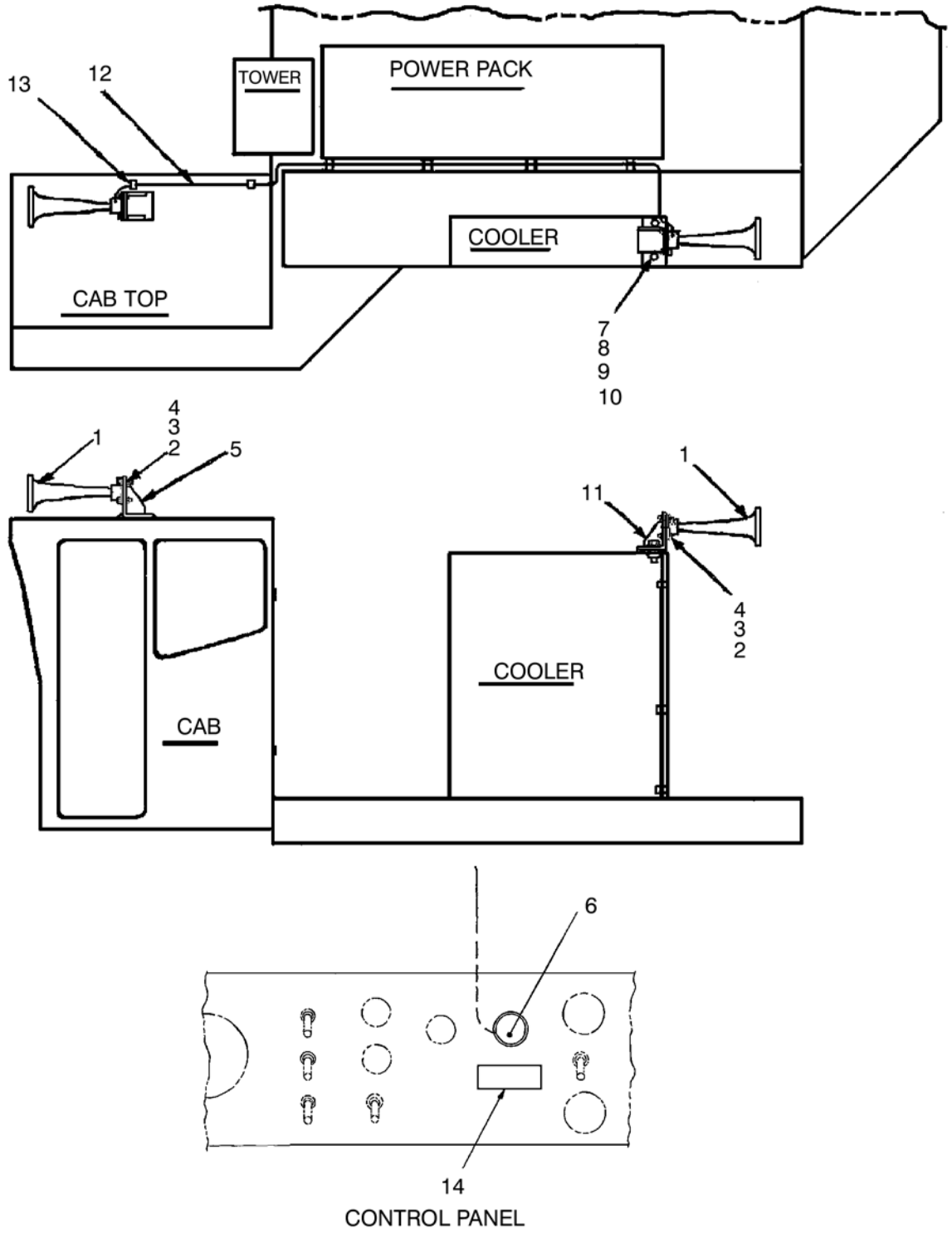
C2657425043 REV 000

BOM 57425043

57425043 SEAL KIT

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	13084207	1.0	EA	LOCK-NUT	
003.0	57068215	1.0	EA	RING, RETAINING	
004.0	57362105	1.0	EA	O-RING	
005.0	57220352	2.0	EA	U-CUP	
006.0	57220345	1.0	EA	O-RING	
007.0	57220337	1.0	EA	SEAL,BACKUP	
008.0	57233652	1.0	EA	U-CUP	
009.0	57233660	1.0	EA	WIPER	

57536534 HORN,WARNING-ASSY



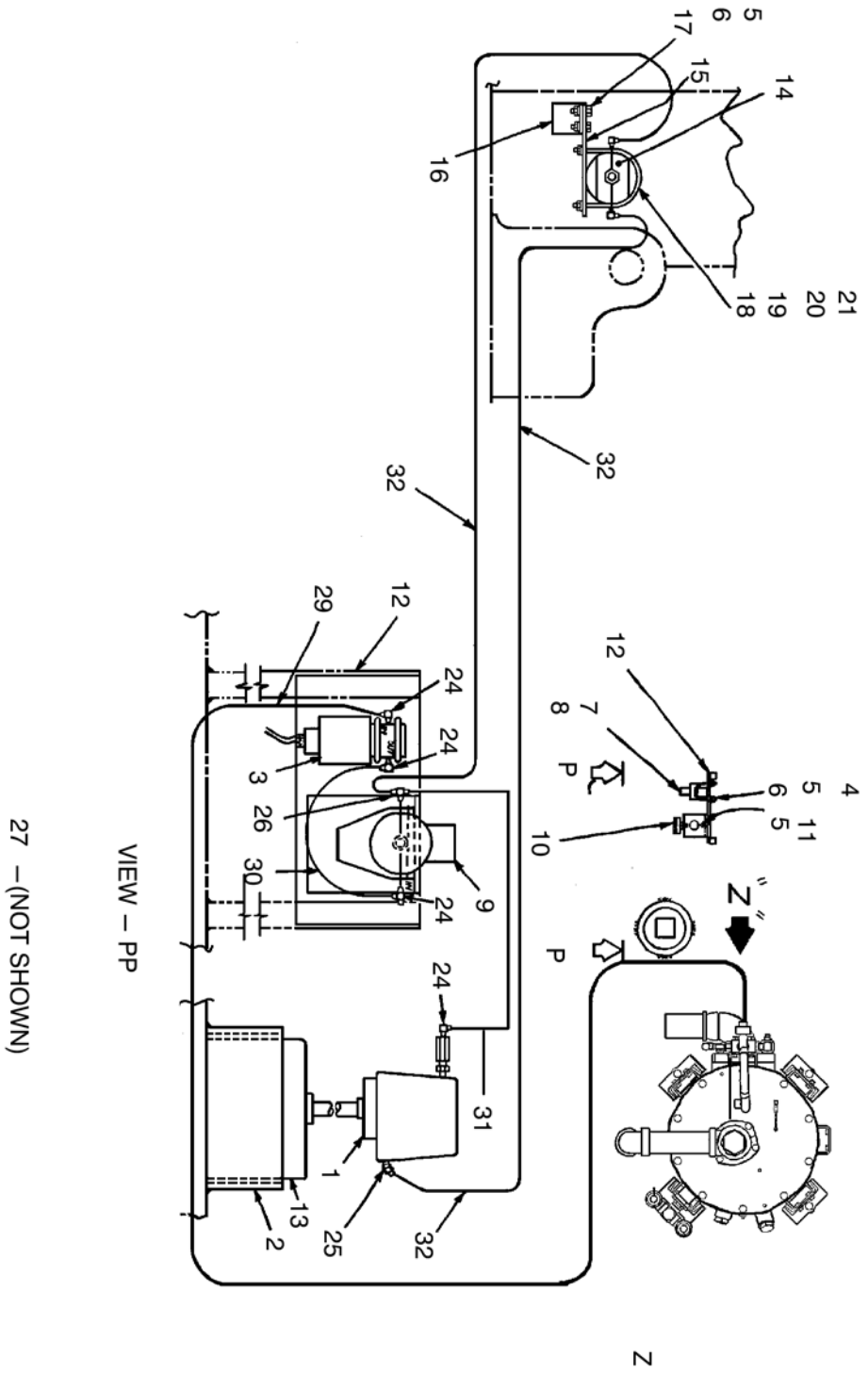
C57536534 REV 003

BOM 57536534

57536534 HORN,WARNING-ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.1	57372484	1.0	EA	HORN,24VDC	
001.2	57372484	1.0	EA	HORN,24VDC	
002.1	95938544	6.0	EA	CAPSCREW	
003.1	95929782	6.0	EA	NUT,HEX,FINISHED	
004.1	95934303	6.0	EA	WASHER,LOCK,PLATED	
005.0	57536559	1.0	EA	BRACKET, HORN INSTL	
006.0	52185832	1.0	EA	SWITCH, PUSH BUTTON	
007.0	95934469	2.0	EA	CAPSCREW,HEX	
008.0	95081667	2.0	EA	WASHER,FLAT,WIDE	
009.0	95209409	2.0	EA	WASHER,LOCK	
010.0	95922902	2.0	EA	NUT,HEX,FINISHED,PLATED	
011.0	56243033	1.0	EA	BRACKET, HORN MOUNTING	
-	57536559	1.0	EA	- BRACKET, HORN INSTL	
012.0	58150111	780.0	IN	WIRE, ELECTRICAL-14/3	
013.0	95301834	15.0	EA	CLAMP,HOSE	
014.0	57406837	1.0	EA	NAMEPLATE,HORN	

57548083 GREASER,THREAD,PIPE,ELEC

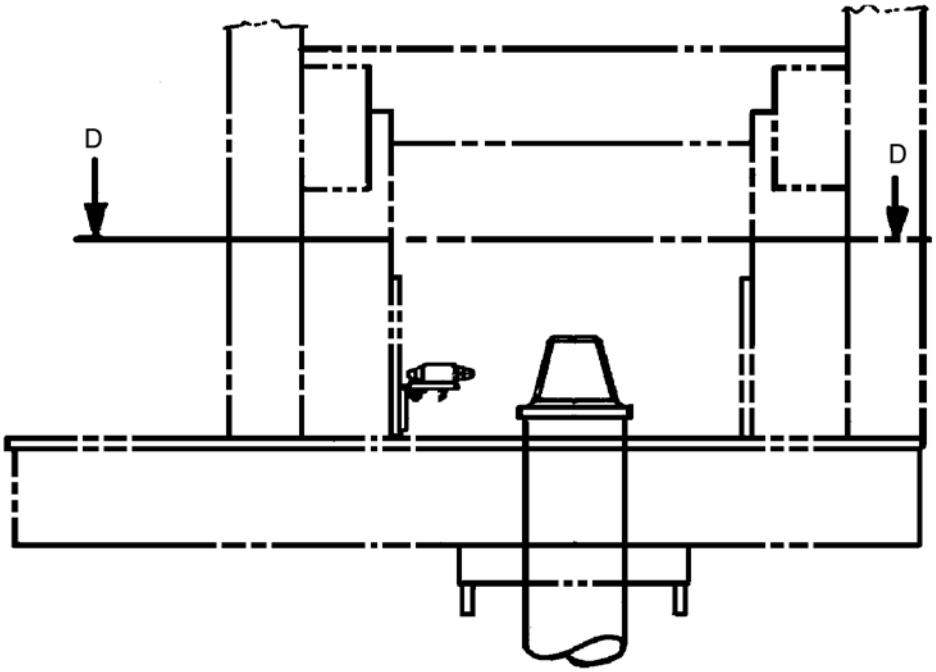


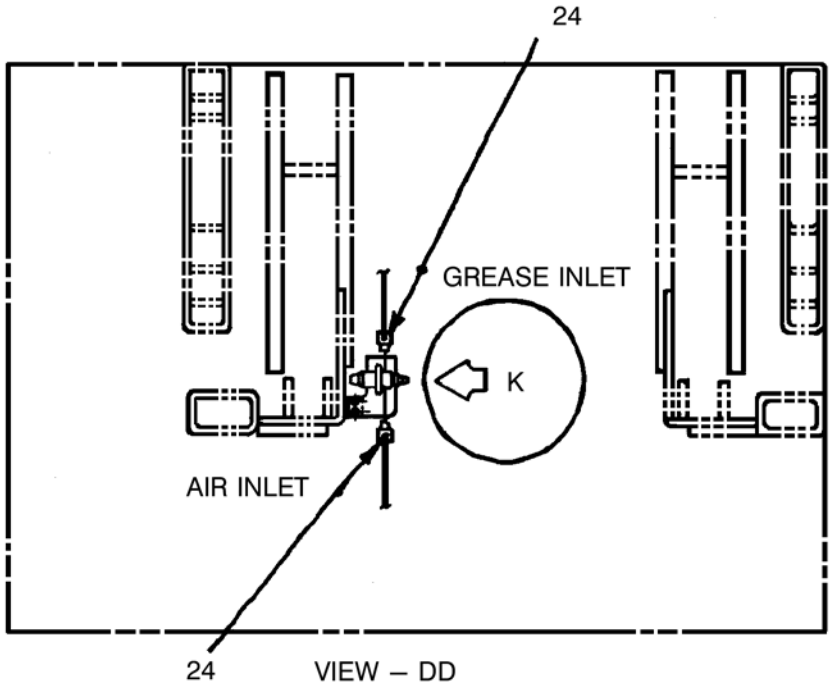
D57548083 REV 003

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57548083

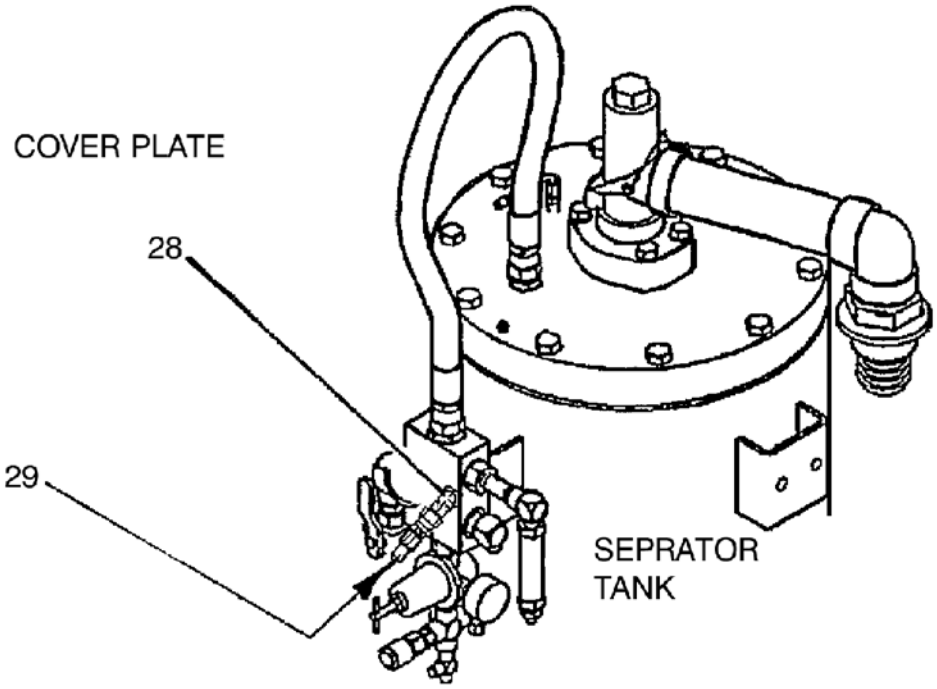
57548083 GREASER,THREAD,PIPE,ELEC





D57548083 REV 003

57548083 GREASER,THREAD,PIPE,ELEC



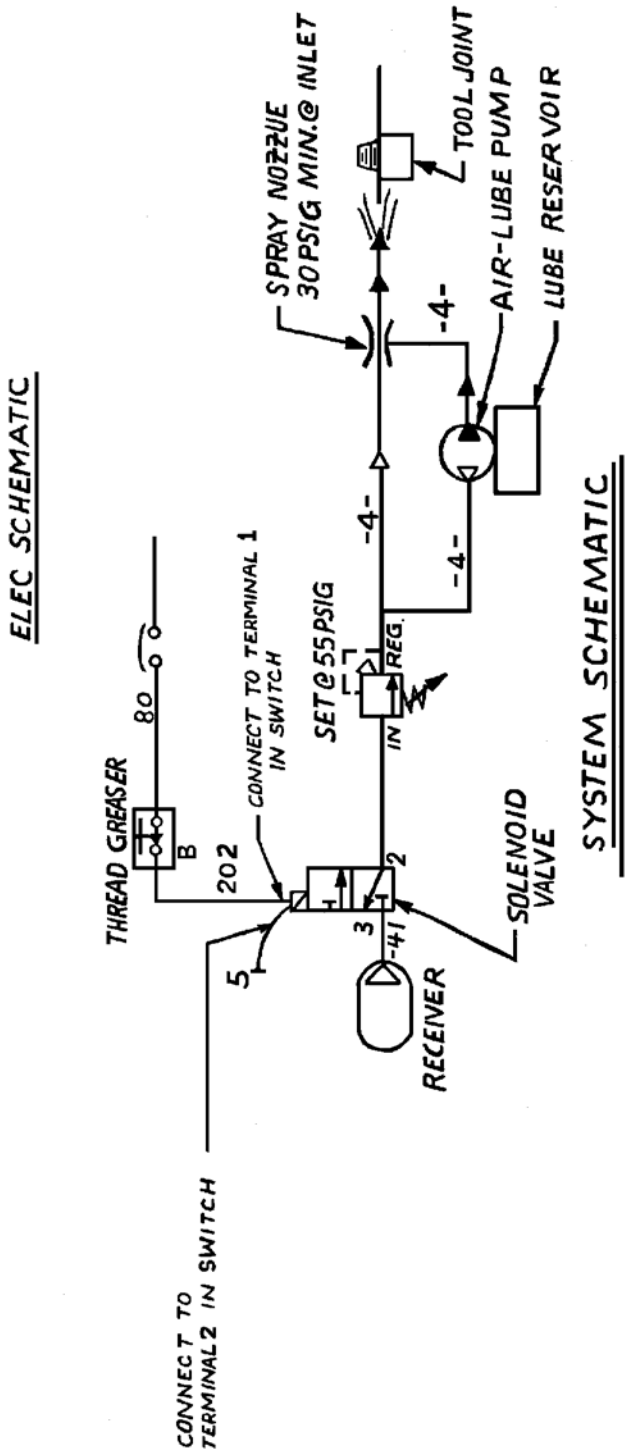
VIEW – Z

D57548083 REV 003

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

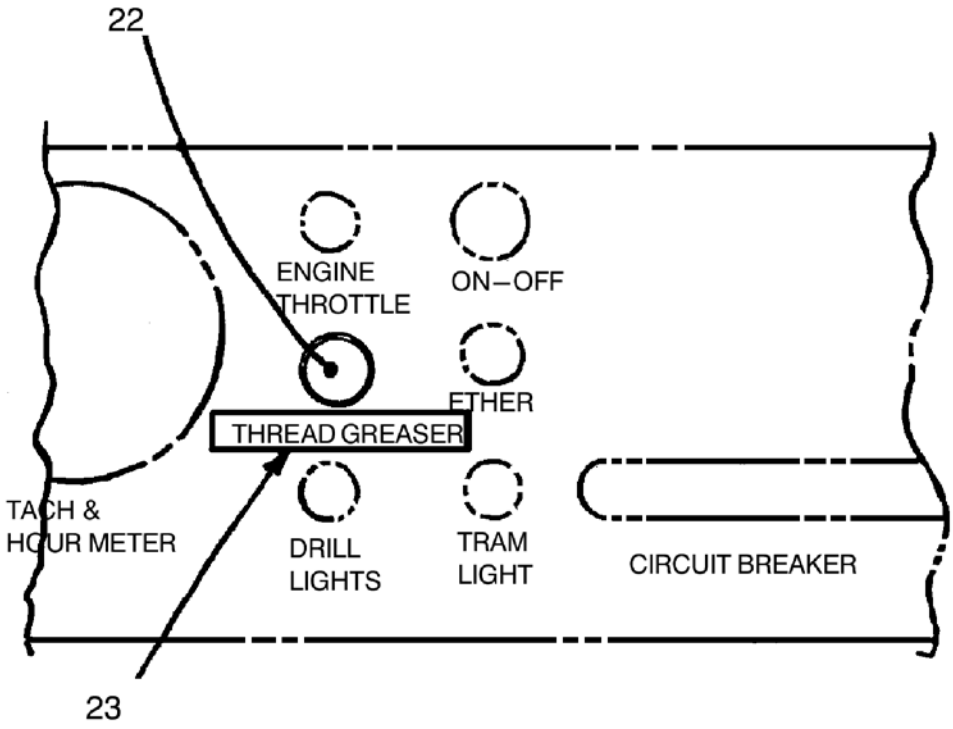
BOM 57548083

57548083 GREASER,THREAD,PIPE,ELEC



D57548083 REV 003

57548083 GREASER,THREAD,PIPE,ELEC



D57548083 REV 003

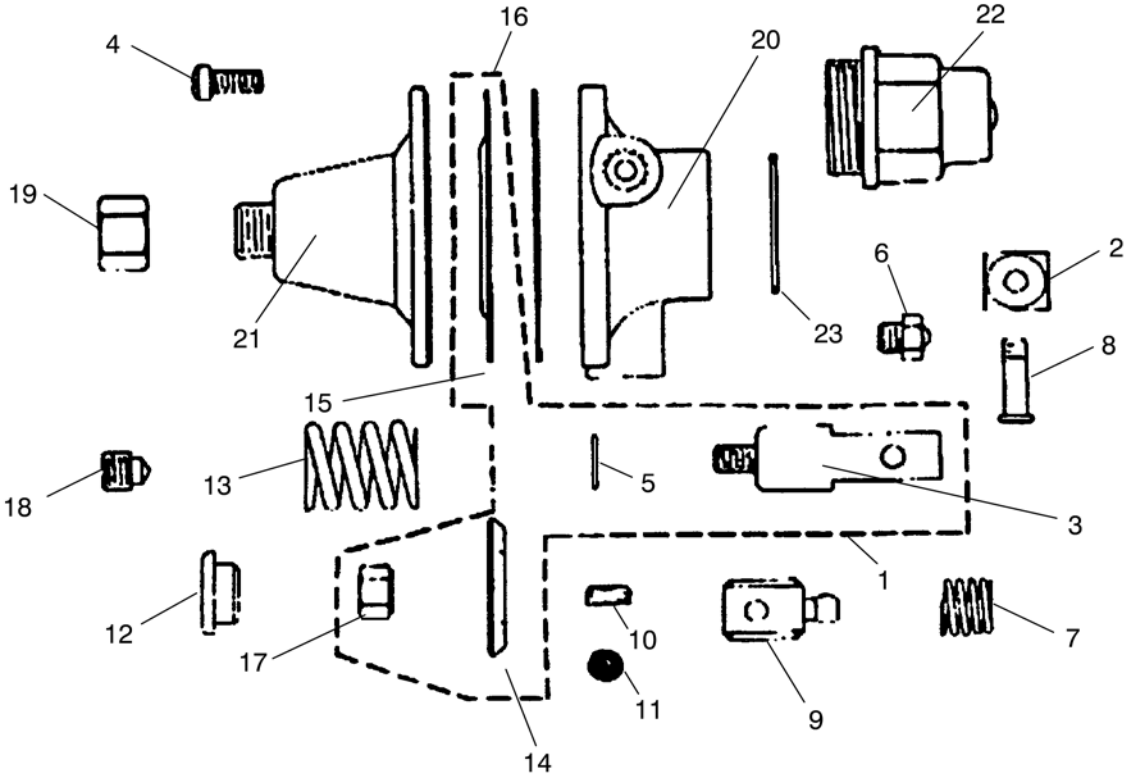
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57548083

57548083 GREASER,THREAD,PIPE,ELEC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57336430	1.0	EA	POWERLUBER,AUTO-GREASING	
002.0	57469140	1.0	EA	BRACKET, LUBE CAN-35LB	
003.0	57312563	1.0	EA	VALVE,SOLENOID-3WAY/2POS	
004.0	95335154	2.0	EA	U-BOLT,1/4ROD X 1 PIPE	
005.0	95934766	8.0	EA	WASHER,LOCK,HELICAL	
006.0	95923298	6.0	EA	NUT,ELASTIC LOCK-1/4-20	
007.0	52142031	1.0	EA	MUFFLER,FILTER	
008.0	95038030	1.0	EA	BUSHING,PIPE-REDUCING	
009.0	57079550	1.0	EA	REGULATOR,AIR-RELIEVING	**See Page 638**
010.0	57112963	1.0	EA	GAUGE,PRESSURE	
011.0	95934857	2.0	EA	CAPSCREW,HEX	
012.0	57548034	1.0	EA	BRACKET,THREAD GREASER	
-	57246795	1.0	EA	- BRACKET, REGULATOR	
013.0	50525187	1.0	EA	LUBRICANT,TOOL JOINT	
014.0	57392821	1.0	EA	NOZZLE,GREASE SPRAY	
-	57392862	1.0	EA	- TIP, SPRAY NOZZLE	
-	57392870	1.0	EA	- NEEDLE, SPRAY NOZZLE	
-	57801367	1.0	EA	- NUT,RETAINING	
015.0	57389587	1.0	EA	BRACKET, NOZZLE	
016.0	57549024	1.0	EA	ANGLE-WITH HOLES	
017.0	95920724	2.0	EA	CAPSCREW	
018.0	95353942	1.0	EA	U-BOLT,1.5,PIPE-3/8THD	
019.0	95937413	2.0	EA	WASHER,LOCK,HELICAL	
020.0	95922233	2.0	EA	WASHER,FLAT,WIDE	
021.0	95922894	2.0	EA	NUT,HEX	
022.0	52185832	1.0	EA	SWITCH, PUSH BUTTON	
023.0	56260342	1.0	EA	DECAL,THREAD GREASER	
024.0	95293403	6.0	EA	ELBOW,90 DEG MALE	
025.0	95279055	1.0	EA	FITTING,HYD	
026.0	52226149	1.0	EA	FITTING,HYD	
027.0	95302113	1.0	EA	FITTING,HYD	
028.0	95419594	1.0	EA	CONNECTOR,STRT THRD	
029.0	52255254	1.0	EA	HOSE ASSY	
030.0	56975980	1.0	EA	HOSE ASSY	
031.0	56964174	1.0	EA	HOSE ASSY	
032.0	57672271	2.0	EA	HOSE ASSEMBLY	

57079550 REGULATOR,AIR-RELIEVING

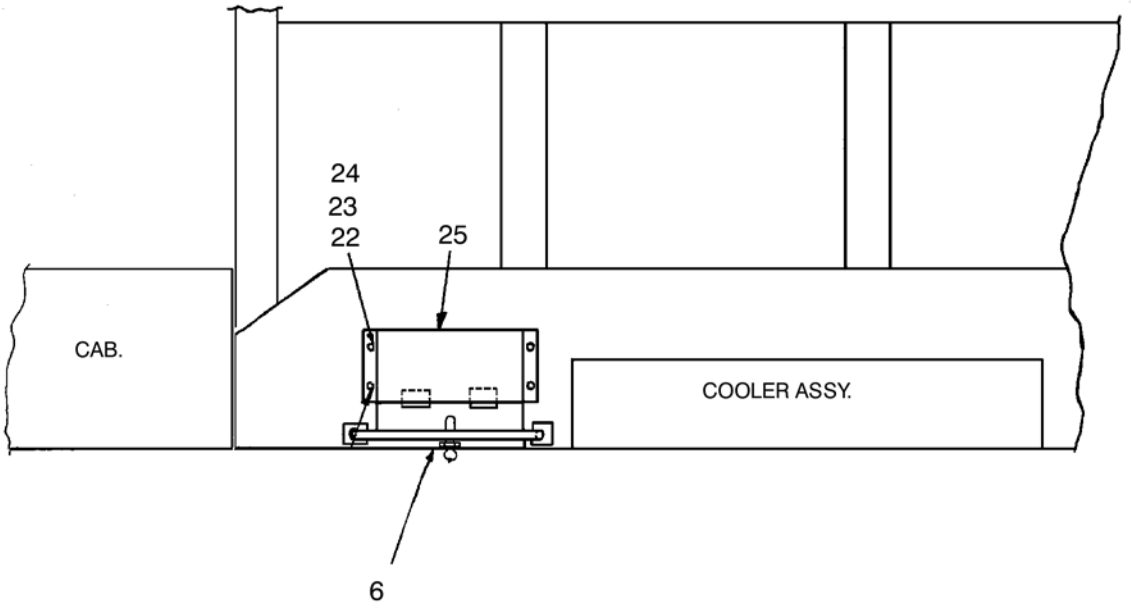


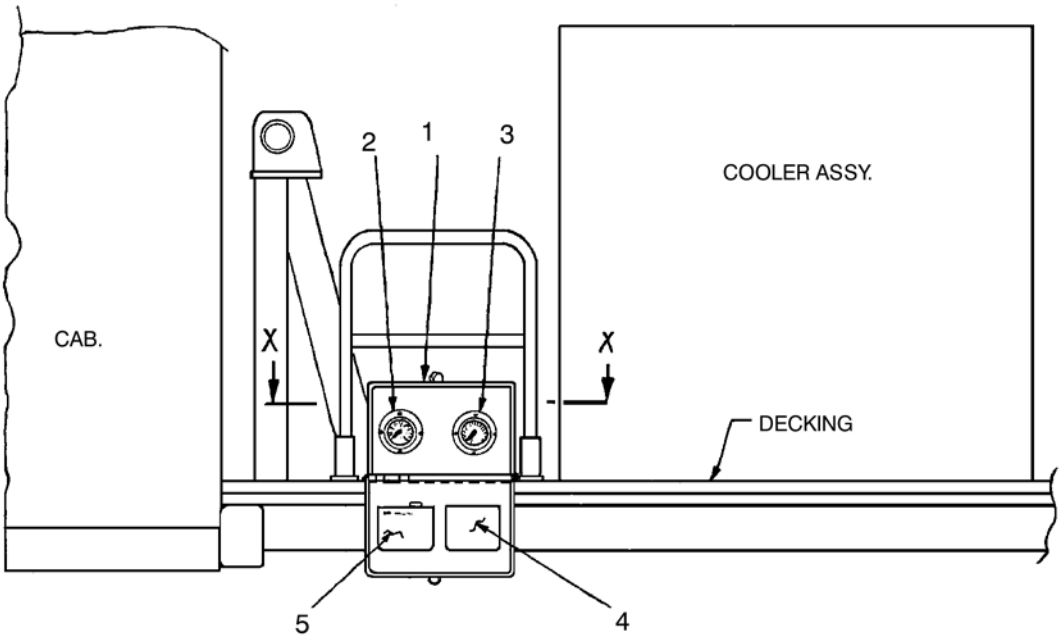
BOM 57079550

57079550 REGULATOR,AIR-RELIEVING

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57341083	1.0	EA	DIAPHRAGM, YOKE ASSY	
002.0	57341091	1.0	EA	SEAT BLOCK W/WHT NYLON	
003.0	57341133	1.0	EA	YOKE	
004.0	57341141	1.0	EA	SCREW, BONNET	
005.0	57341158	1.0	EA	GASKET, TEFLON YOKE	
006.0	57341166	1.0	EA	NOZZLE, W/3/16 ORIFICE	
007.0	57341174	1.0	EA	SPRING,REAR +500 LB PRES	
008.0	57341182	1.0	EA	SCREW, YOKE CLAMP	
009.0	57341190	1.0	EA	GUIDE, YOKE	
010.0	57341208	1.0	EA	SCREEN, FILTER	
011.0	57341216	1.0	EA	FILTER, SINTERED	
012.0	57341224	1.0	EA	BUTTON, SPRING	
013.0	57341240	1.0	EA	SPRING, COMPRESSION125LB	
014.0	57341265	1.0	EA	PLATE, DIAPHRAGM	
015.0	57341273	1.0	EA	DIAPHRAGM, STAINLESS STL	
016.0	57341281	1.0	EA	GASKET, DIAPHRAGM	
017.0	57341299	1.0	EA	NUT, DIAPHRAGM PLATE	
018.0	57341307	1.0	EA	SCREW, ADJUSTING -SLOT	
019.0	57341315	1.0	EA	CAP, PROTECTION	
020.0	57341356	1.0	EA	BODY, 1 INLET, 3 OUTLETS	
021.0	57341380	1.0	EA	BONNET, SCREW	
022.0	57341398	1.0	EA	BACK CAP	
023.0	57341406	1.0	EA	GASKET, BACK CAP	

57597965 STATION,TEST,CENTRAL



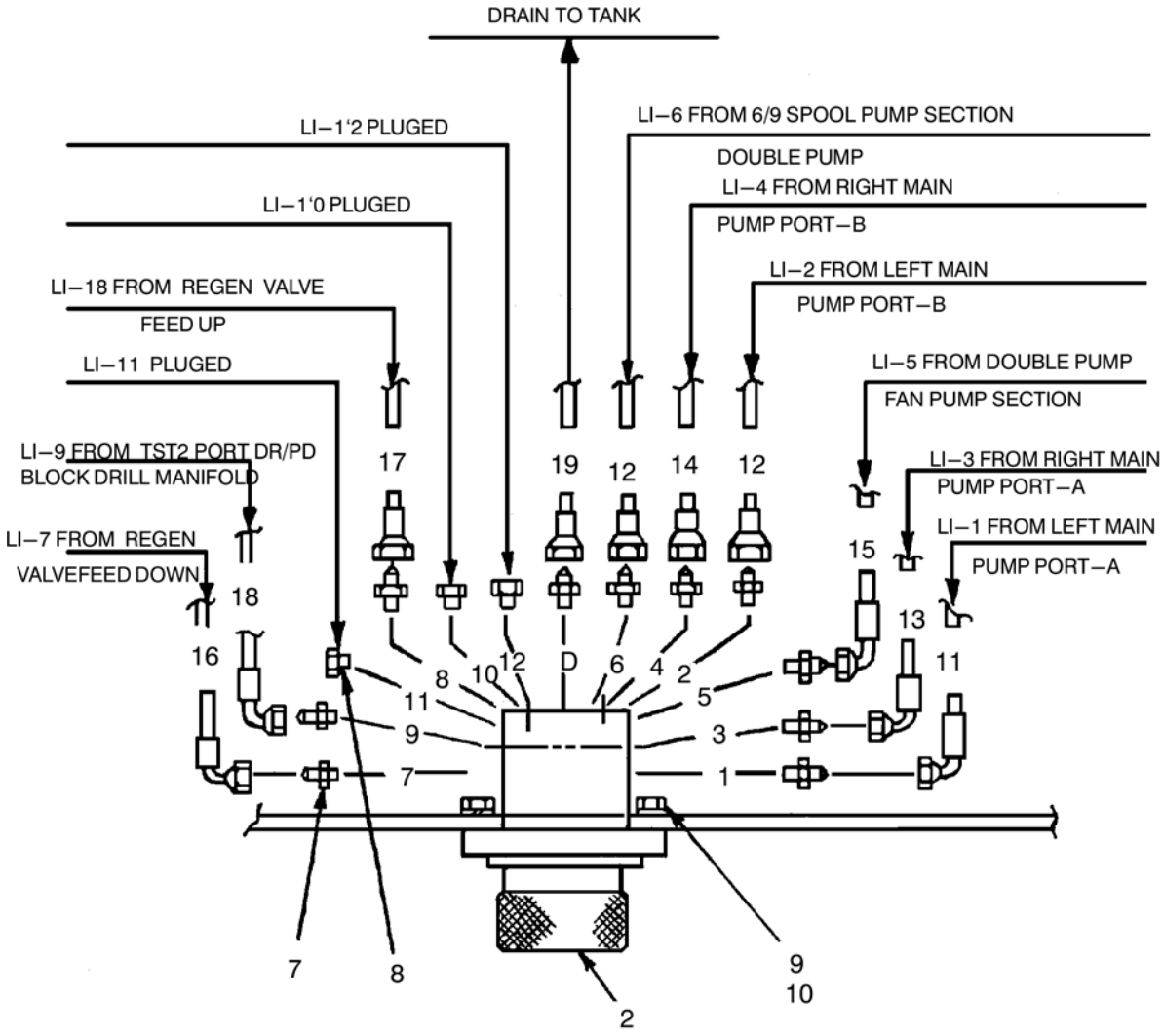


32 –(NOT SHOWN)
33 –(NOT SHOWN)
34 –(NOT SHOWN)

C2657597965 REV 003

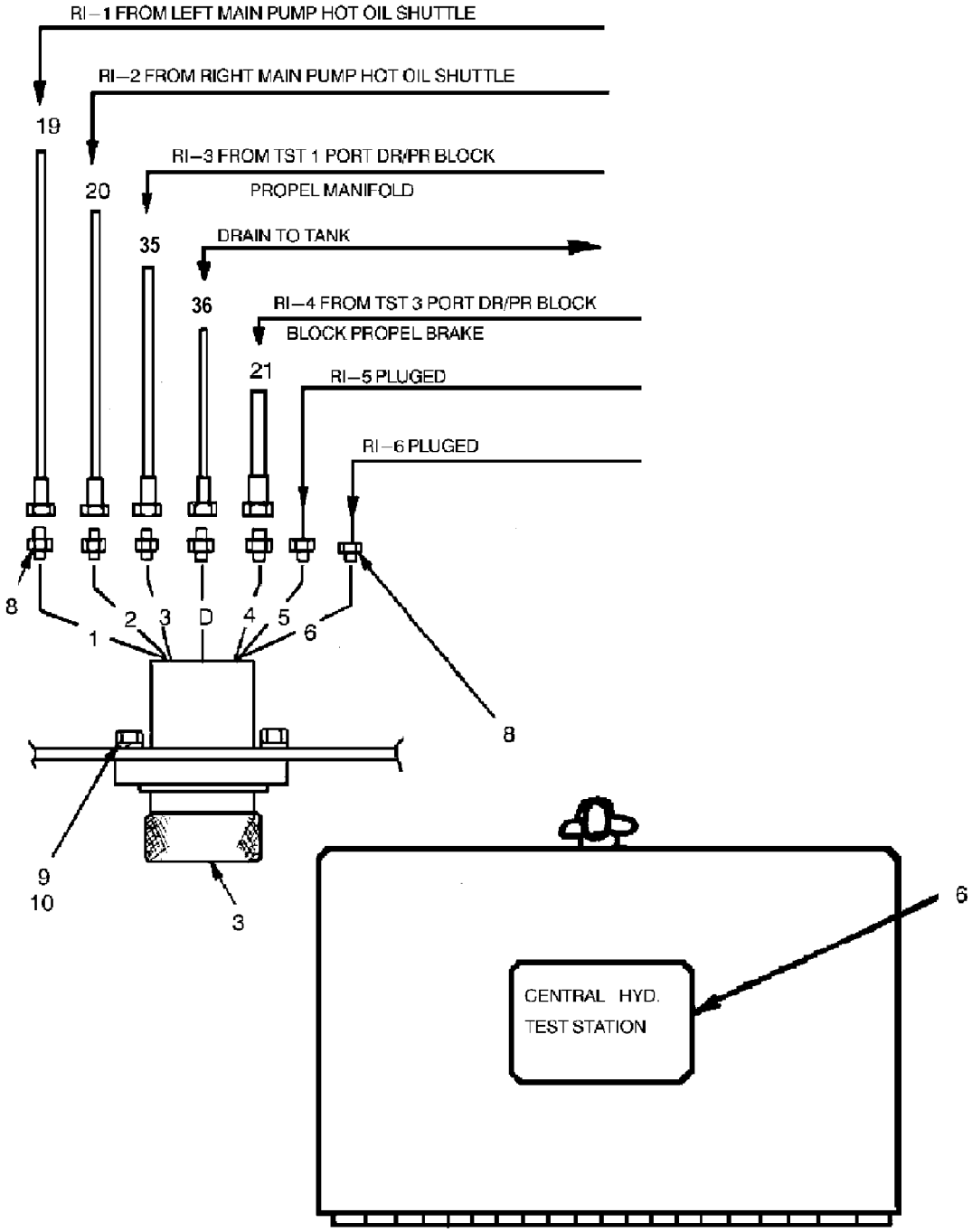
BOM 57597965

57597965 STATION,TEST,CENTRAL



C2657597965 REV 003

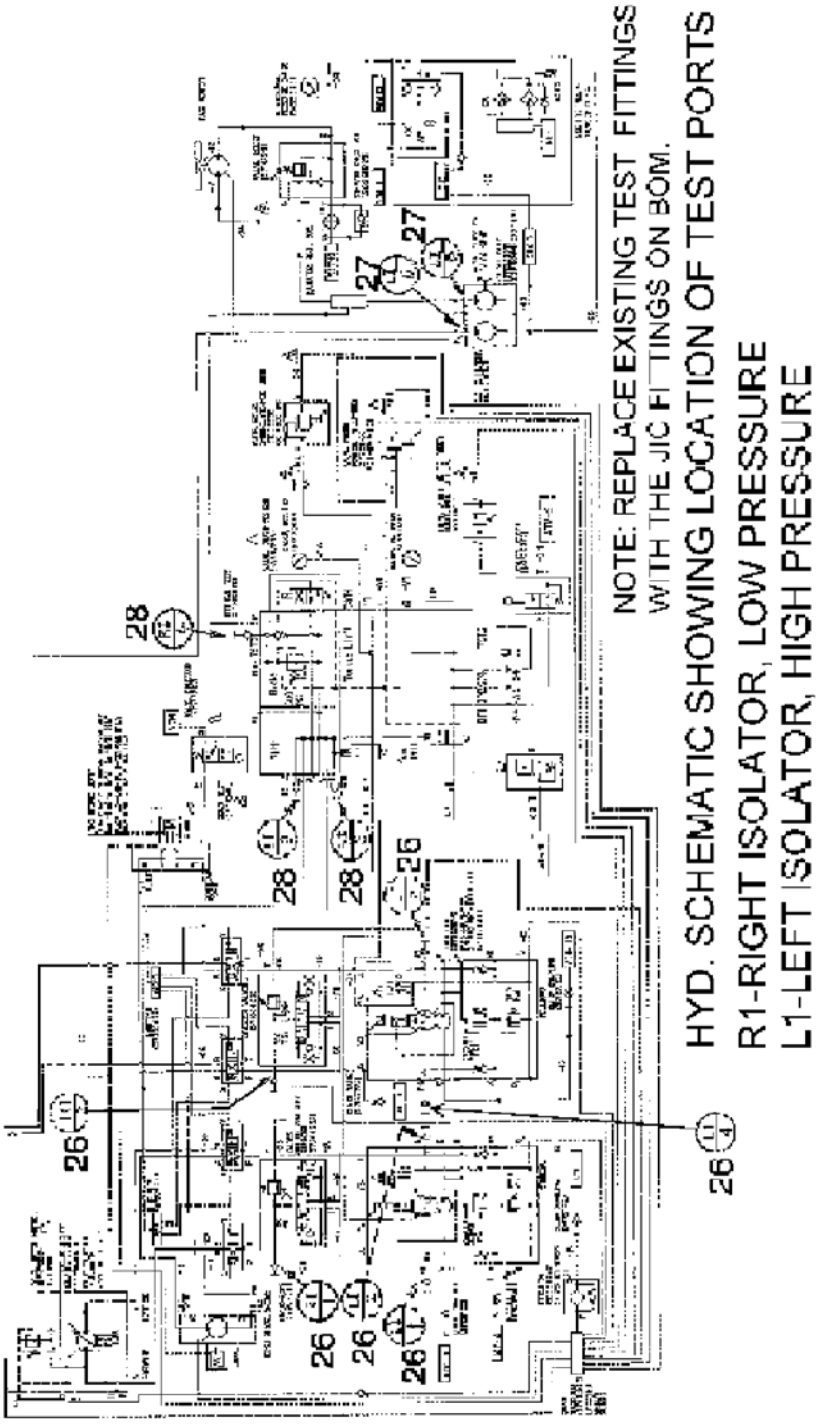
57597965 STATION,TEST,CENTRAL



C2657597965 REV 003

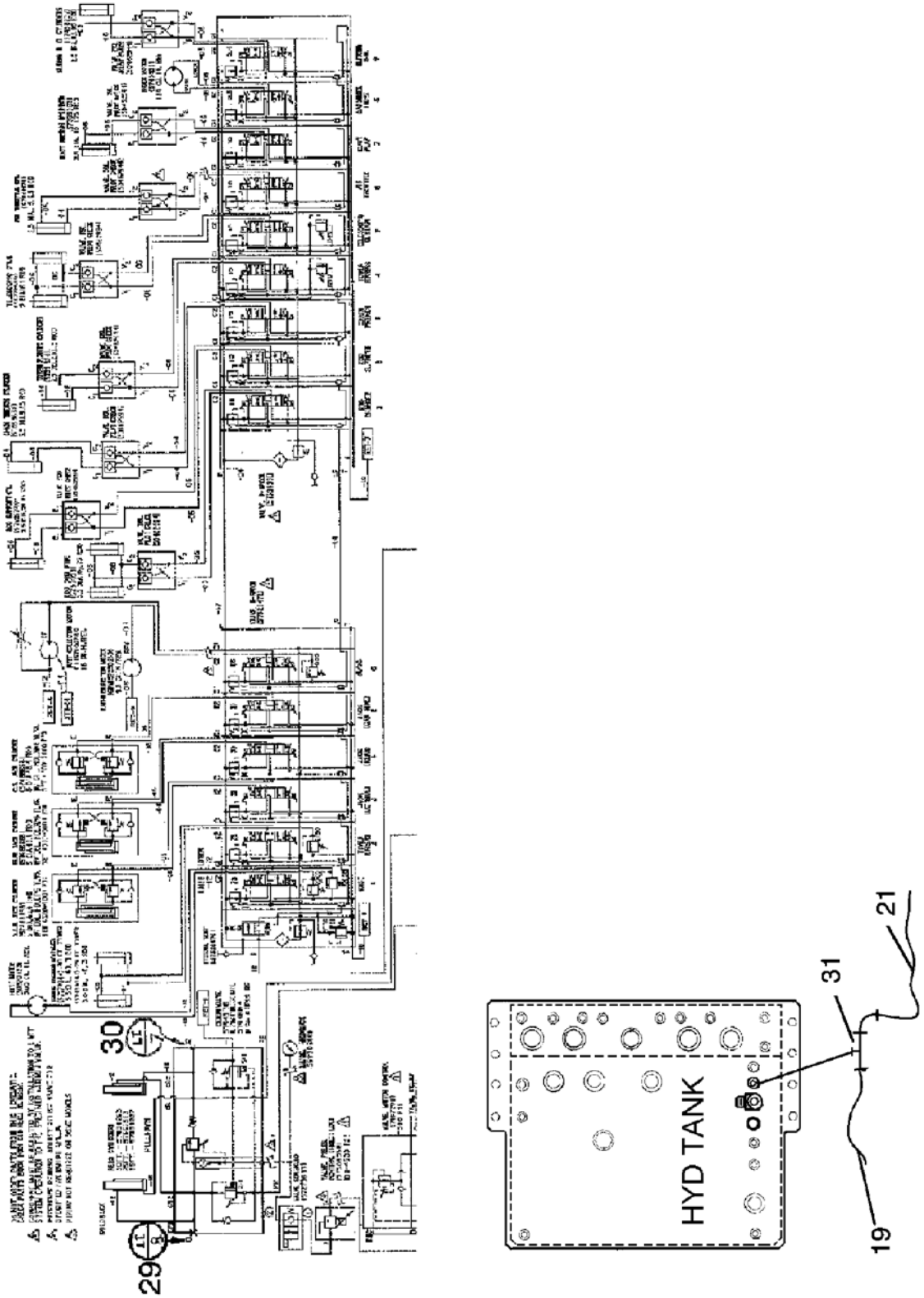
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57597965 STATION,TEST,CENTRAL



C2657597965 REV 003

57597965 STATION,TEST,CENTRAL



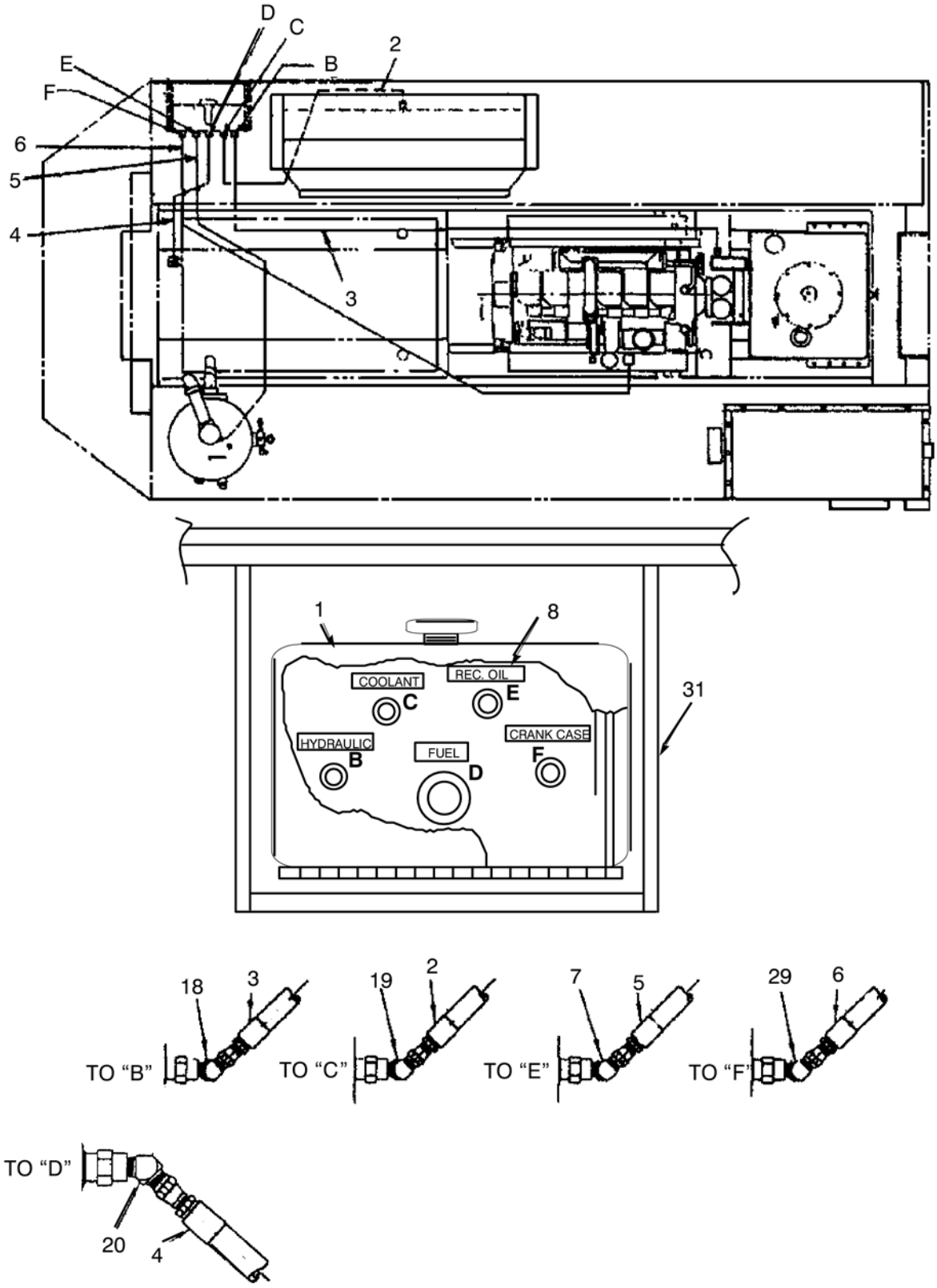
C2657597965 REV 003

BOM 57597965

57597965 STATION,TEST,CENTRAL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57597981	1.0	EA	BOX,CENTRAL TEST STATION	
002.0	57597940	1.0	EA	GAUGE,MULTI-STN ISOLATOR	
-	57598146	1.0	EA	- GAUGE,BARE 0-5000 PSI	
003.0	57597957	1.0	EA	GAUGE,MULTI-STN ISOLATOR	
-	57598153	1.0	EA	- GAUGE,BARE 0-600 PSI	
004.0	57598021	1.0	EA	NAMEPLATE,GAUGE LOW PR.	
005.0	57598039	1.0	EA	NAMEPLATE,GAUGE HI-PR.	
006.0	57598377	1.0	EA	DECAL,HYD TEST STATION	
007.0	95365086	15.0	EA	CONNECTOR,STRT THRD	
008.0	95754867	5.0	EA	FITTING,HYD	
009.0	95934774	8.0	EA	CAPSCREW	
010.0	95934766	8.0	EA	WASHER,LOCK,HELICAL	
011.0	57036618	1.0	EA	HOSE ASSY	
012.0	56964281	2.0	EA	HOSE ASSY	
013.0	52255270	1.0	EA	HOSE ASSY	
014.0	58081662	1.0	EA	HOSE ASSY	
015.0	52225547	1.0	EA	HOSE ASSY	
016.0	57248445	1.0	EA	HOSE ASSY	
017.0	56972714	1.0	EA	HOSE ASSY	
018.0	52197647	1.0	EA	HOSE,ASM	
019.0	58205261	2.0	EA	HOSE ASSY	
020.0	56970627	1.0	EA	HOSE ASSY	
021.0	52225950	1.0	EA	HOSE ASSY	
022.0	95920682	4.0	EA	CAPSCREW,HEX	
023.0	95937413	4.0	EA	WASHER,LOCK,HELICAL	
024.0	95922894	4.0	EA	NUT,HEX	
025.0	57600090	1.0	EA	GUARD,HOSE-TEST STATION	
026.0	95365094	6.0	EA	ELBOW,90DEG,STRT THRD	
027.0	95371258	2.0	EA	FITTING,HYD	
028.0	95371258	3.0	EA	FITTING,HYD	
029.0	95365094	1.0	EA	ELBOW,90DEG,STRT THRD	
030.0	95371258	1.0	EA	FITTING,HYD	
031.0	95862371	1.0	EA	FITTING,HYD	
032.0	95929006	4.0	EA	CAPSCREW	
033.0	95929782	4.0	EA	NUT,HEX,FINISHED	
034.0	95934303	4.0	EA	WASHER,LOCK,PLATED	
035.0	57480782	1.0	EA	HOSE ASSY	
036.0	56974587	1.0	EA	HOSE ASSY	

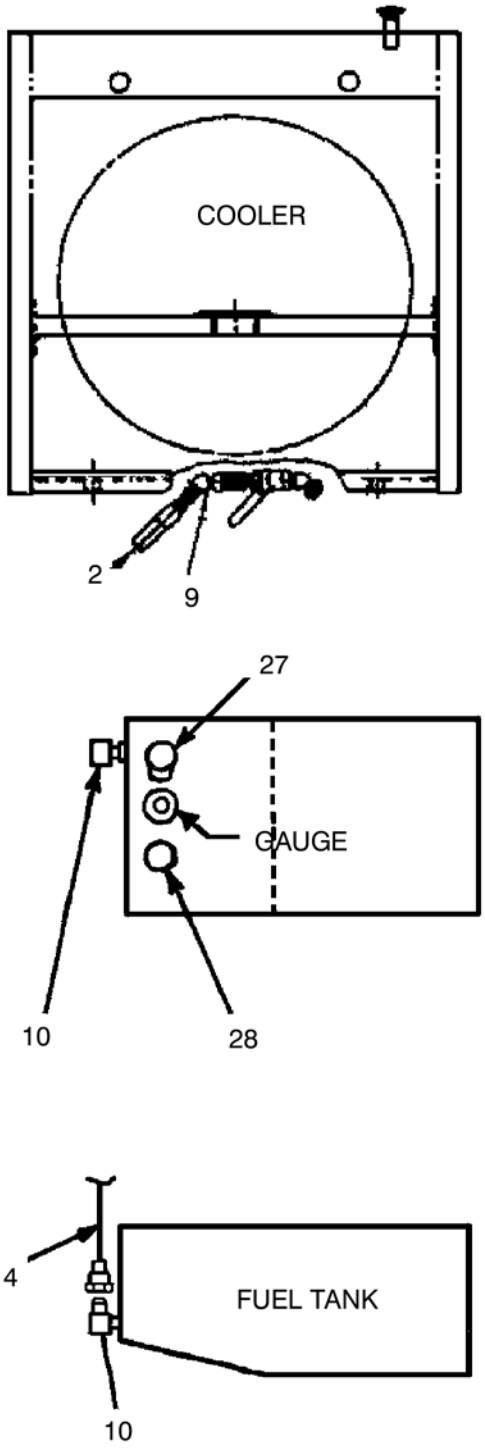
57600165 WIGGIN AUTO SER-VERT REC



TB2657600165 REV 005

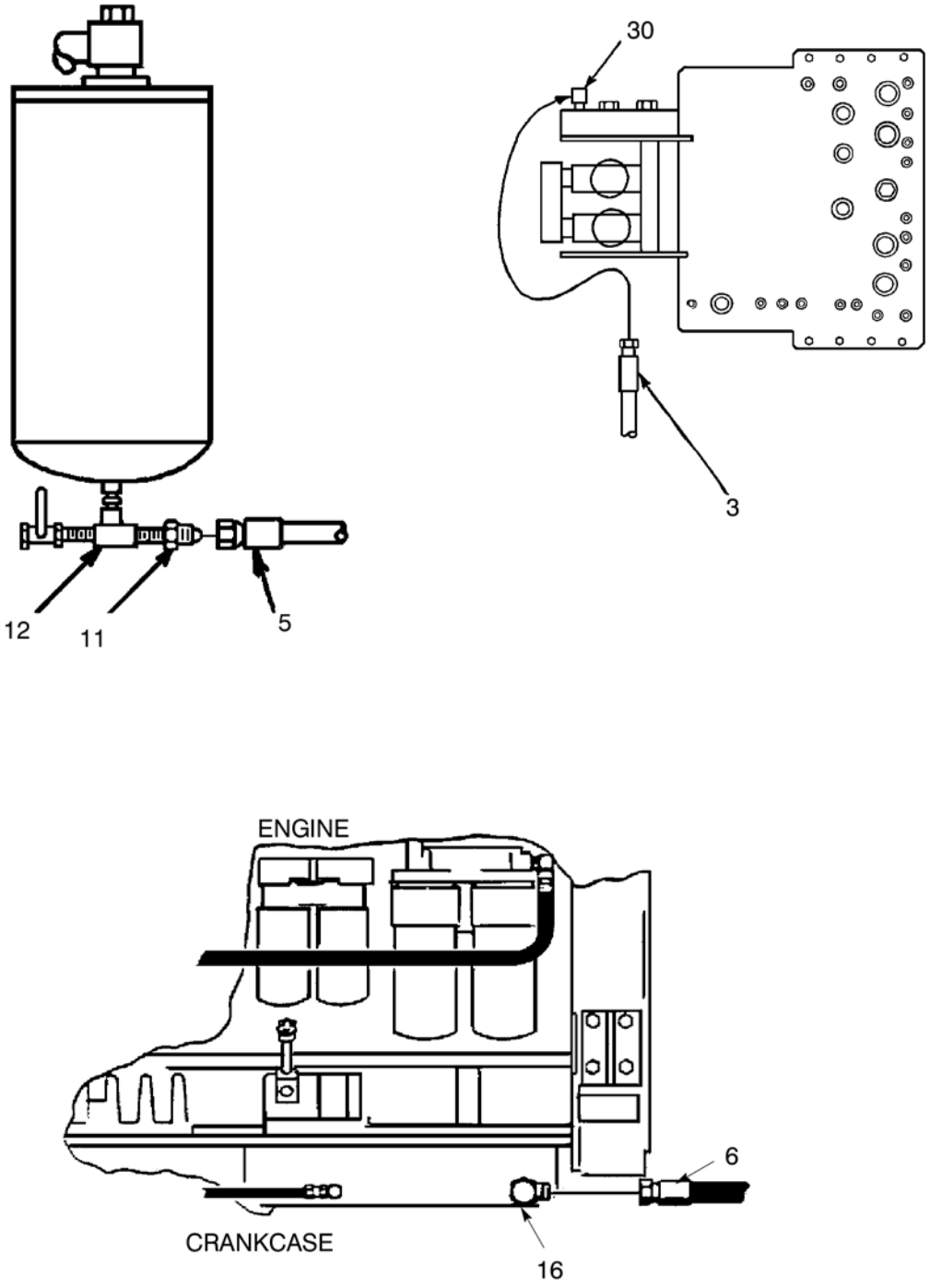
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57600165 WIGGIN AUTO SER-VERT REC



TB2657600165 REV 005

57600165 WIGGIN AUTO SER-VERT REC



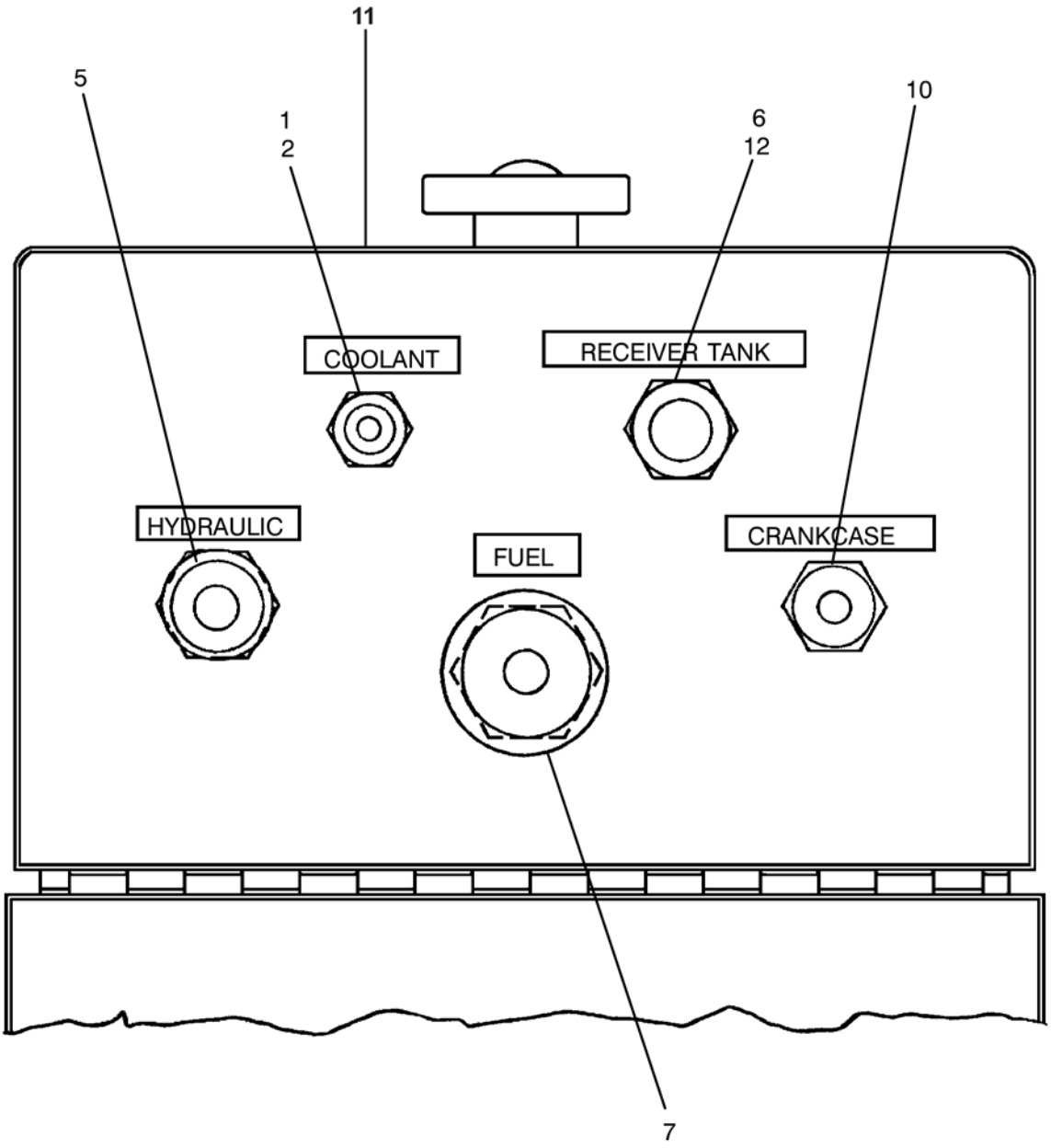
TB2657600165 REV 005

BOM 57600165

57600165 WIGGIN AUTO SER-VERT REC

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57142994	1.0	EA	SERVICE KIT,WIGGINS	**See Page 650**
002.0	56974322	1.0	EA	HOSE ASSY	
003.0	57665416	1.0	EA	HOSE ASSEMBLY	
004.0	57018889	1.0	EA	HOSE ASSY	
005.0	56956444	1.0	EA	HOSE ASSY	
006.0	57042905	1.0	EA	HOSE ASSY	
007.0	95279105	1.0	EA	FITTING,HYD	
008.0	57325029	1.0	EA	NAMEPLATE,REC.OIL	
009.0	95279170	1.0	EA	ELBOW,45 DEG MALE	
010.0	50692011	1.0	EA	FITTING,HYD	
011.0	95279378	1.0	EA	FITTING,HYD	
012.0	95264941	1.0	EA	TEE,MALE RUN,NPTF	
016.0	54505268	1.0	EA	ELBOW,90DEG	
018.0	95279113	1.0	EA	FITTING,HYD	
019.0	95279170	1.0	EA	ELBOW,45 DEG MALE	
020.0	95279147	1.0	EA	FITTING,HYD	
027.0	95038337	1.0	EA	CAP	
028.0	57538530	1.0	EA	COUPLING,BREATHER DIESEL	
-	57538522	1.0	EA	- BREATHER,DIESEL CAP	
-	95748562	1.0	EA	- FITTING, HYD	
029.0	95279105	1.0	EA	FITTING,HYD	
030.0	95278990	1.0	EA	ELBOW,90 DEG SWIVEL NUT	
031.0	57579450	1.0	EA	BRACKET,WIGGINS MTG	

57142994 SERVICE KIT,WIGGINS



TB2657142994 REV 002

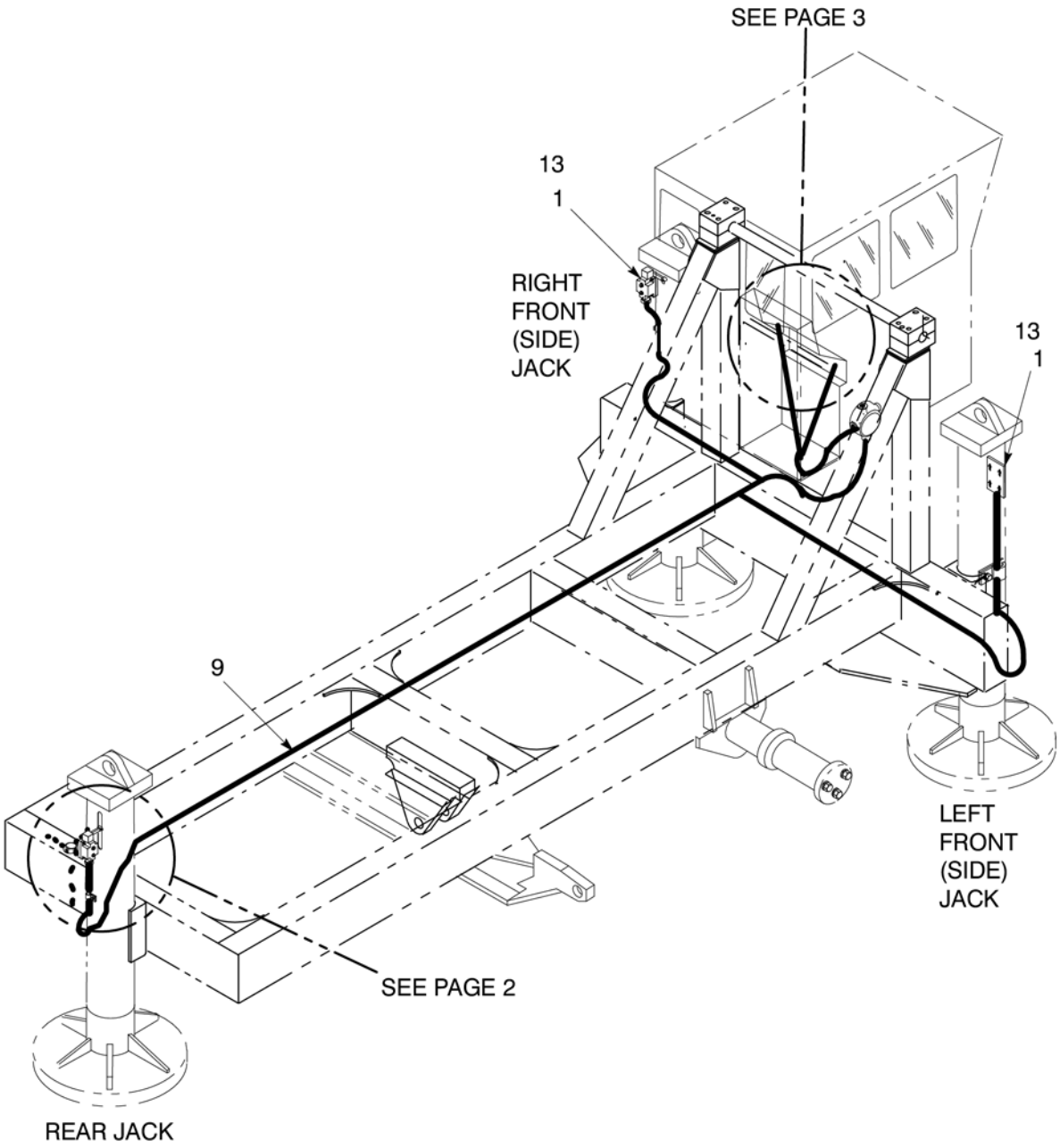
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57142994

57142994 SERVICE KIT,WIGGINS

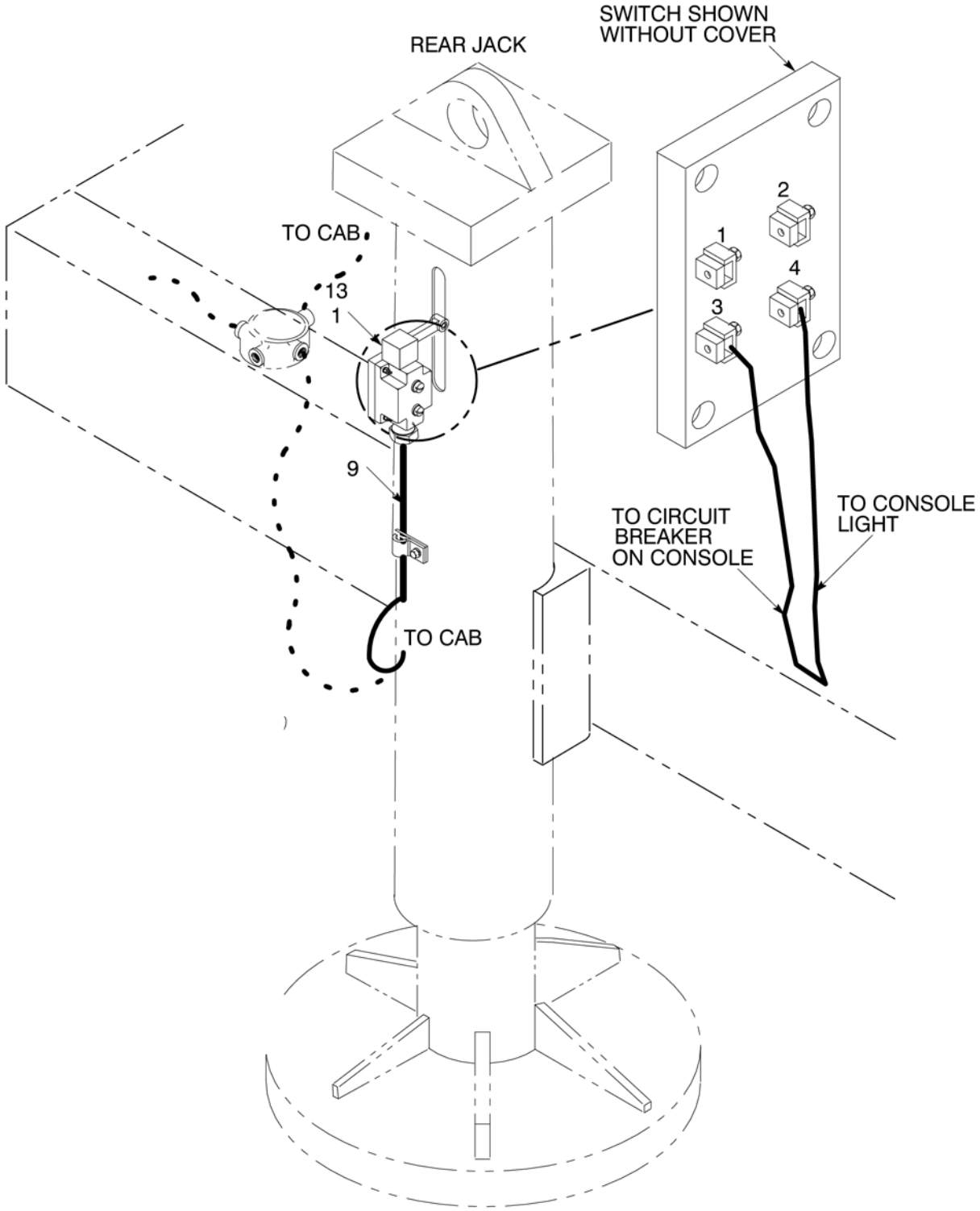
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	59729566	1.0	EA	NOZZLE, COOLANT	
002.0	57142945	1.0	EA	PLUG, COOLANT	
005.0	57142937	1.0	EA	NOZZLE, COMP./REC.	
006.0	50695972	1.0	EA	NIPPLE,RECEIVER-HYD	
007.0	50695980	1.0	EA	RECEIVER,FUEL	
010.0	50695964	1.0	EA	CAP	
011.0	57193765	1.0	EA	BOX,QUICK FILL	
-	57417719	1.0	EA	- HANDLE-RUBBER LATCH	
012.0	50695998	1.0	EA	CAP,HYD RECEIVER	

56245152 INDICATOR,JACK UP-ELEC



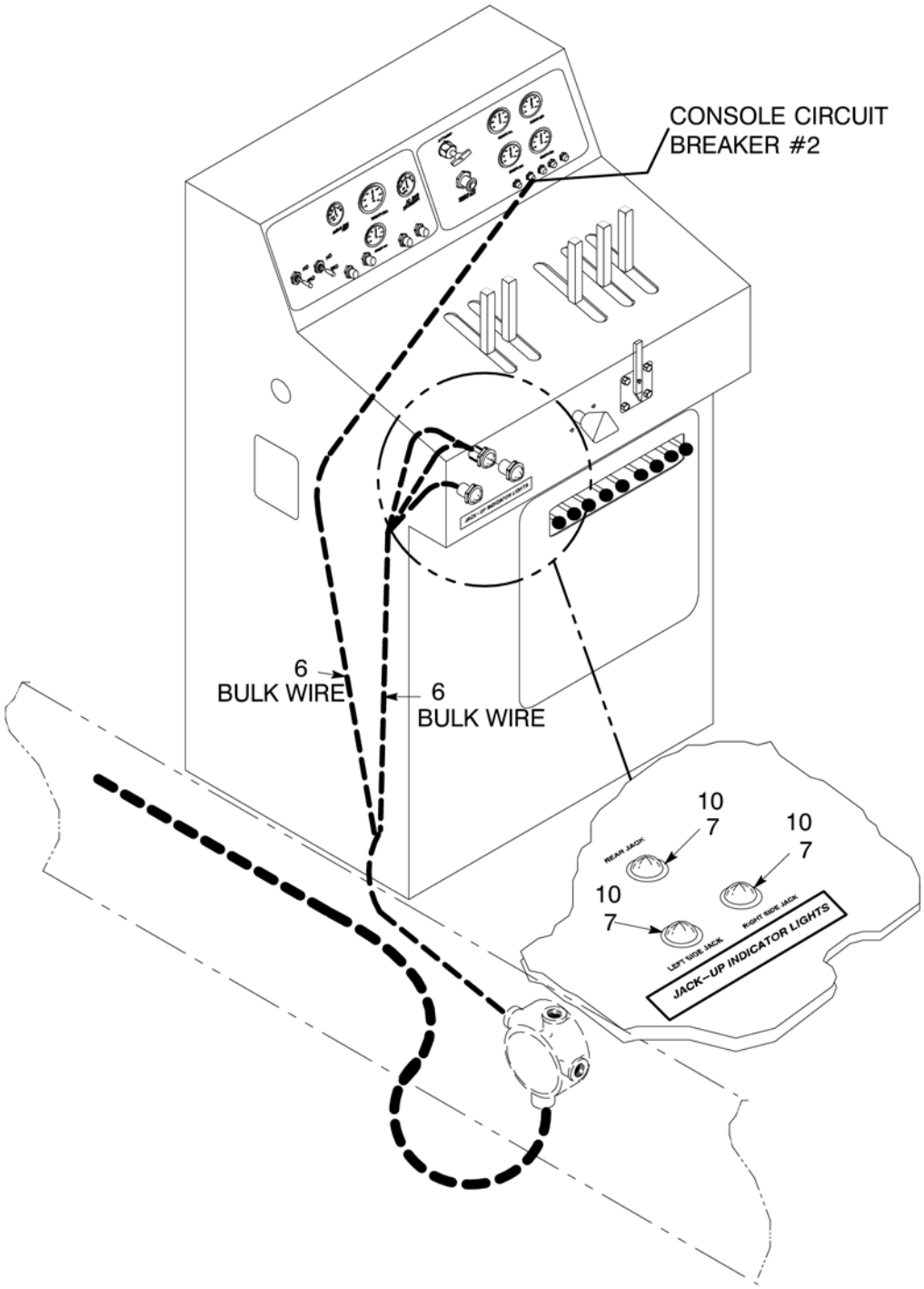
BOM 56245152

56245152 INDICATOR,JACK UP-ELEC



D2657295859 REV 007

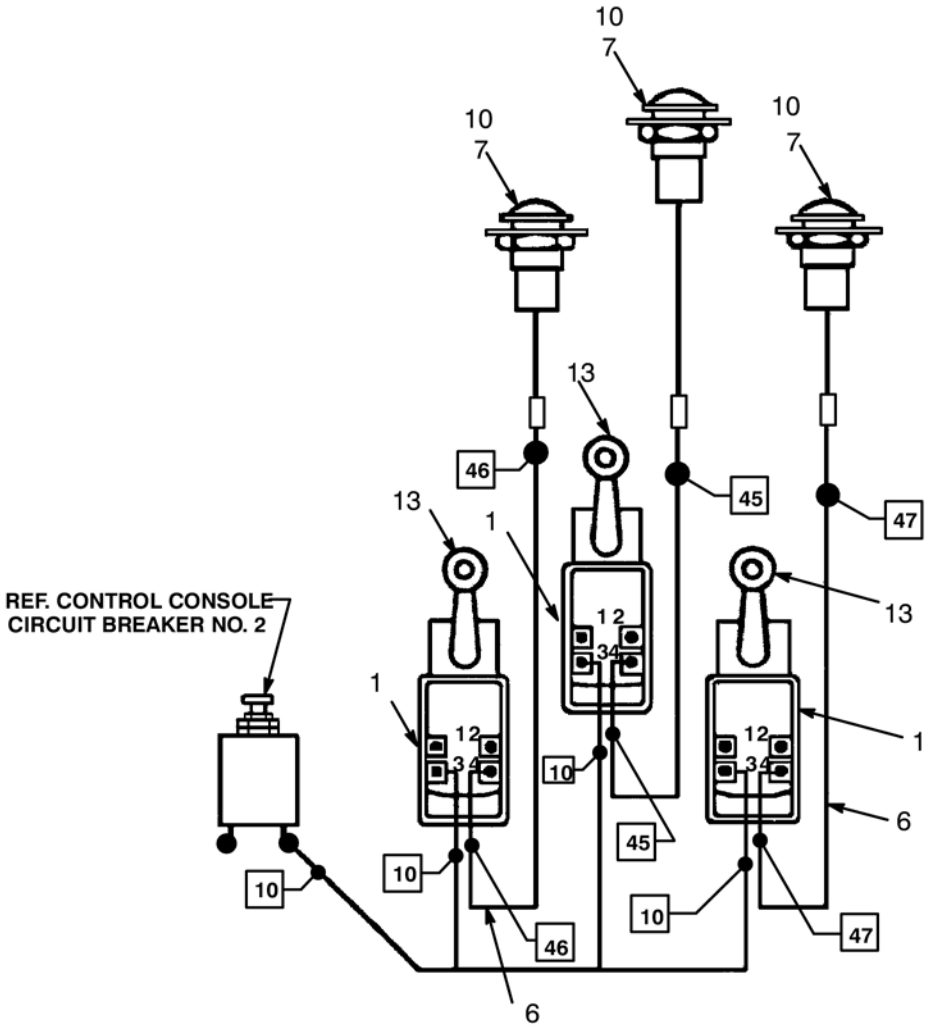
56245152 INDICATOR,JACK UP-ELEC



D2657295859 REV 007

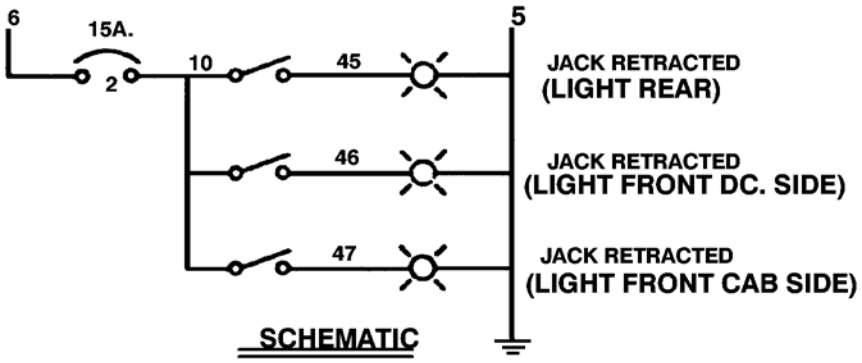
BOM 56245152

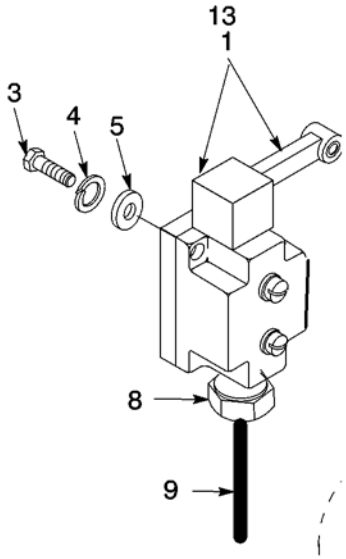
56245152 INDICATOR,JACK UP-ELEC



GENERAL DIAGRAM

56245152 INDICATOR,JACK UP-ELEC





D2657295859 REV 007

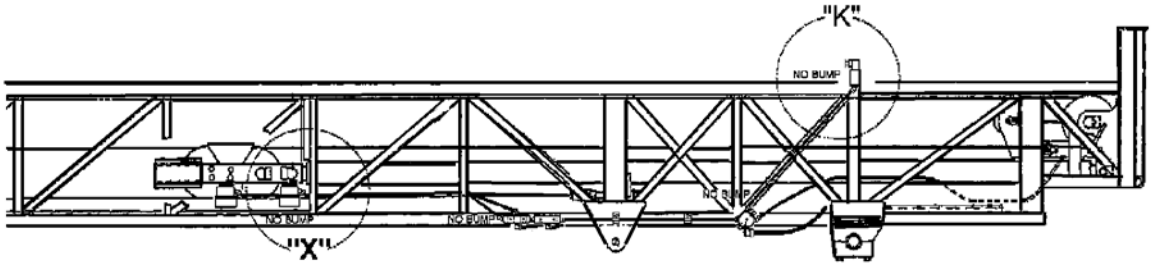
BOM 56245152

56245152 INDICATOR,JACK UP-ELEC

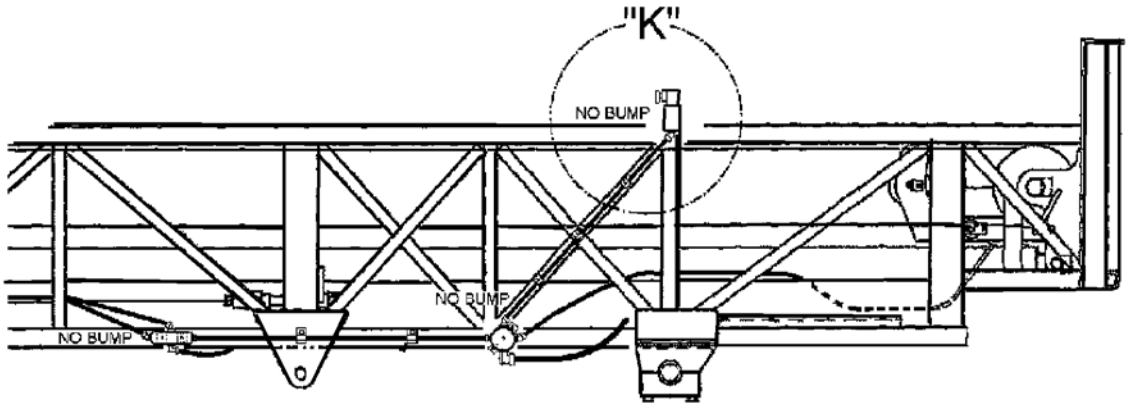
REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52192556	3.0	EA	SWITCH,LIMIT	
003.0	95928982	12.0	EA	CAPSCREW	
004.0	95096350	12.0	EA	LOCKWASHER	
005.0	95922183	12.0	EA	WASHER,FLAT	
006.0	50249671	1000.0	IN	WIRE,14AWG-WHITE	
007.0	57266181	3.0	EA	LIGHT, INDICATOR	
008.0	95245072	4.0	EA	CONNECTOR	
009.0	95245049	480.0	IN	CONDUIT,FLEX-1/2SEALTITE	
010.1	56275431	3.0	EA	LAMP,LED,GREEN,24V	
013.0	52192564	3.0	EA	LEVER,OPERATING	

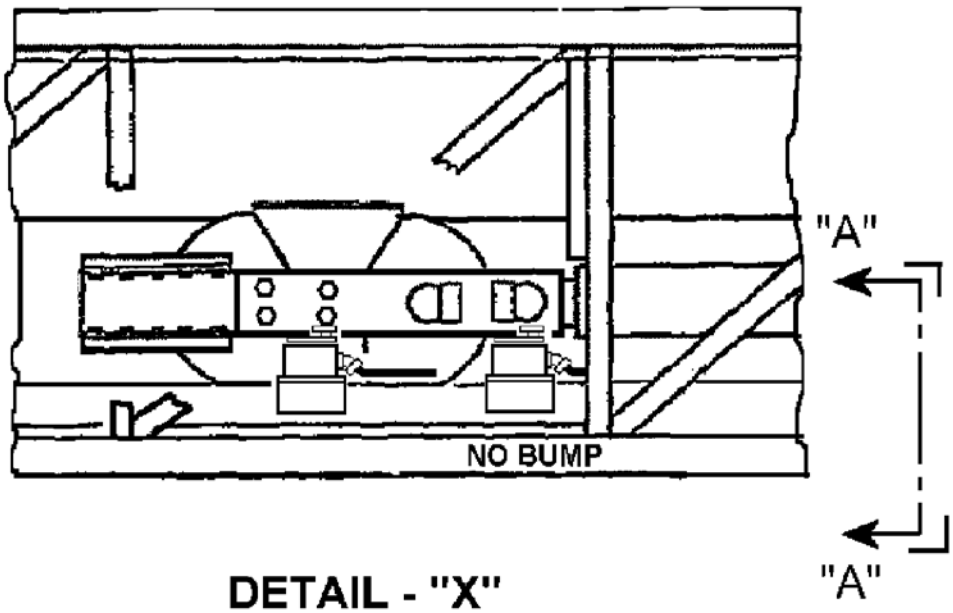
57531543 INSTL-NO BUMP,ELEC/HYD

30 FT. TOWER WITH HOLDBACK VALVE



30 FT. TOWER WITHOUT HOLDBACK VALVE





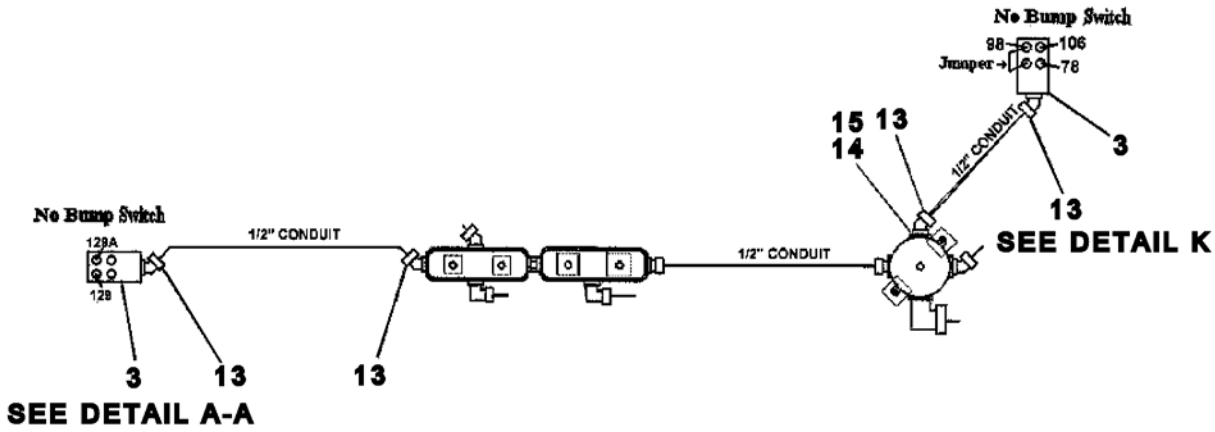
DETAIL - "X"
30 FT. TOWER

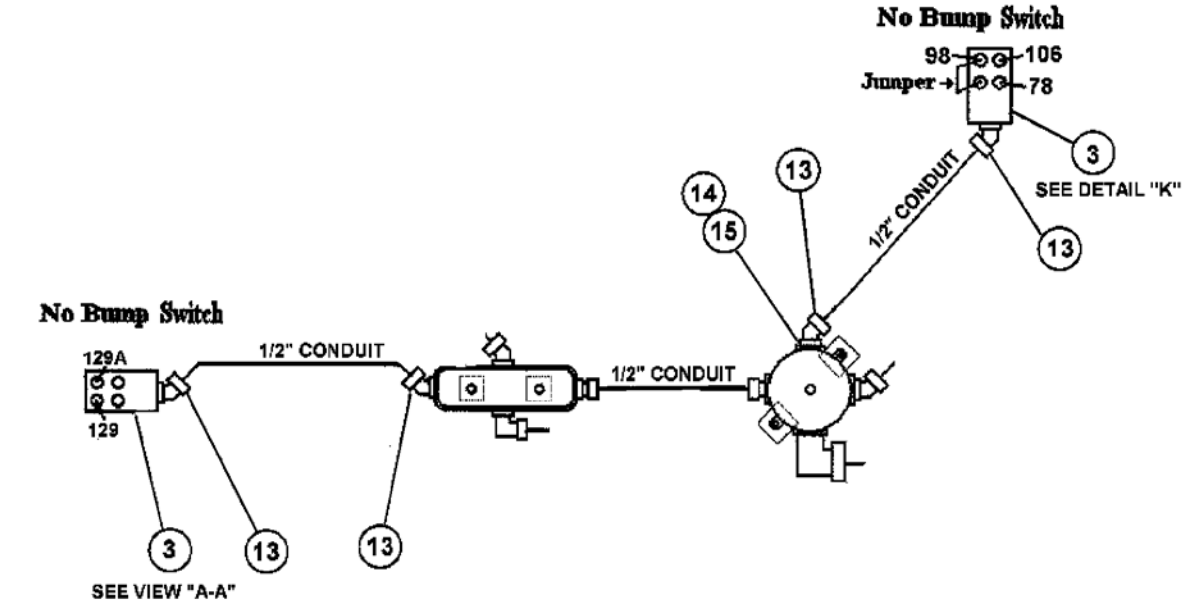
D2657531543 REV 003

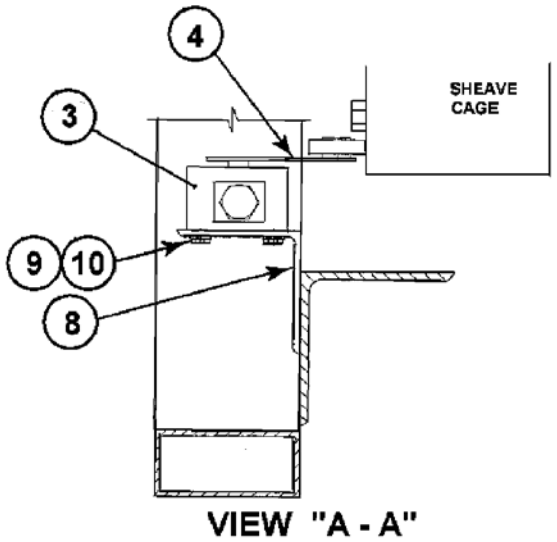
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

BOM 57531543

57531543 INSTL-NO BUMP,ELEC/HYD





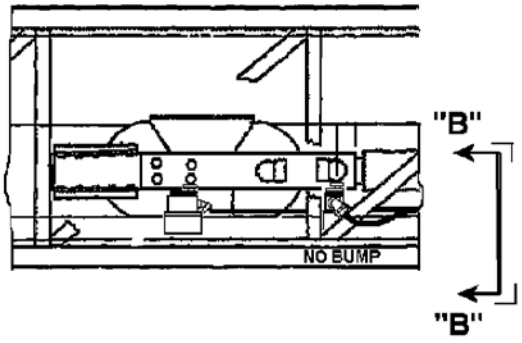


Wire Numbers

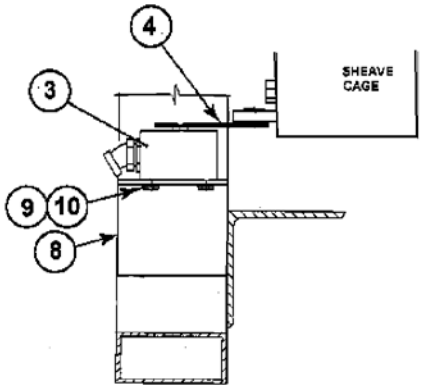
106	White
98	White
78	White
129	White
129A	White

D2657531543 REV 003

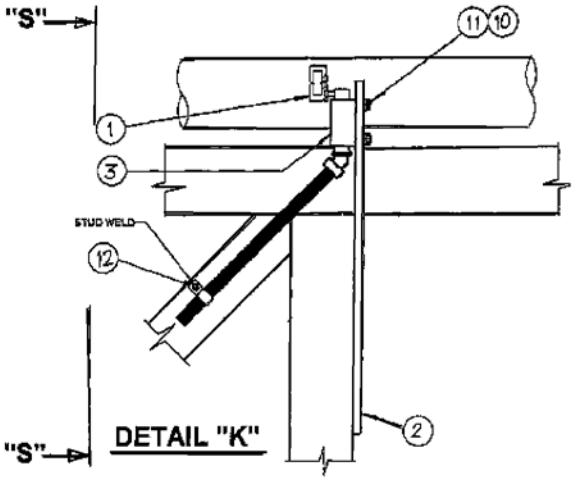
57531543 INSTL-NO BUMP,ELEC/HYD

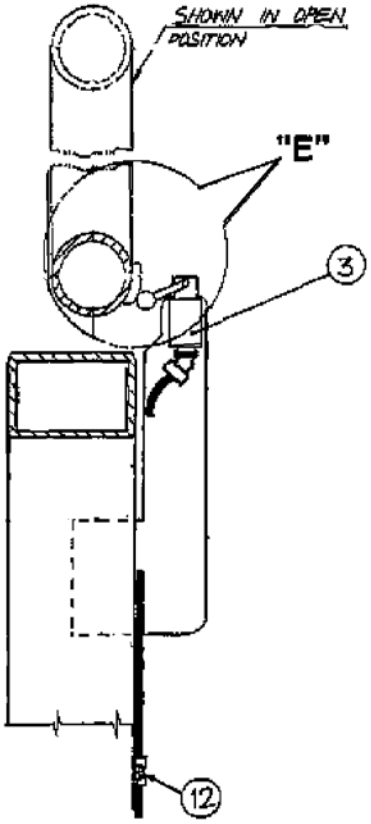


DETAIL - "Y"



VIEW "B - B"





SECTION "S - S"

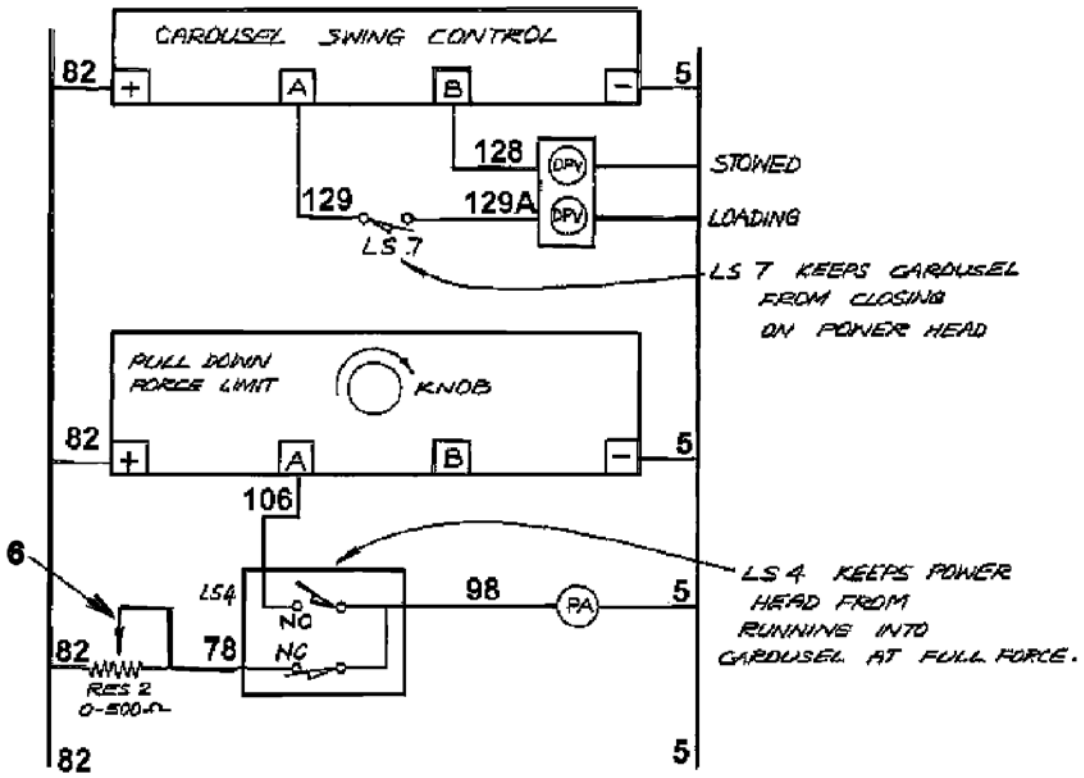
Wire Numbers

5	Black
78	White
82	White
98	White
106	White
128	White
129	White
129A	White

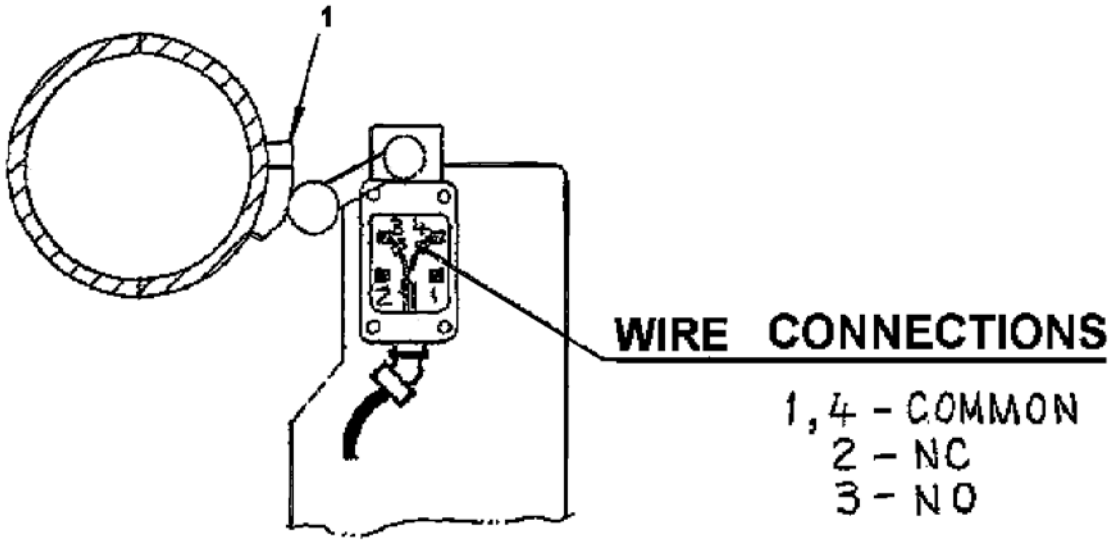
D2657531543 REV 003

WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

57531543 INSTL-NO BUMP,ELEC/HYD



57531543 INSTL-NO BUMP,ELEC/HYD



DETAIL "E"

(SWITCH SHOWN WITH WIRING COVER REMOVED TO SHOW TERMINAL CONNECTIONS)

BOM 57531543

57531543 INSTL-NO BUMP,ELEC/HYD

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57205288	1.0	EA	BLOCK	
002.0	57205478	1.0	EA	PLATE, MOUNT	
003.2	50518653	2.0	EA	SWITCH,LIMIT	
004.2	57194987	1.0	EA	ARM,ADJUSTABLE	
006.2	57433781	1.0	EA	POTENTIOMETER,500-OHM	
008.1	57391641	1.0	EA	BRACKET,MICRO SWITCH	
009.1	95934816	4.0	EA	CAPSCREW,HEX	
010.2	95934766	8.0	EA	WASHER,LOCK,HELICAL	
011.0	95934857	4.0	EA	CAPSCREW,HEX	
012.0	52236783	8.0	EA	CLAMP ASSY, 1/2	
-	52240439	1.0	EA	- PLATE,TAPPED	
-	95256723	1.0	EA	- CLAMP-1/2	
-	95934766	1.0	EA	- WASHER,LOCK,HELICAL	
-	95865937	1.0	EA	- CAPSCREW	
013.0	95344719	1.0	EA	OUTLET BODY	
013.0	95368536	4.0	EA	CONNECTOR,1/2,45 DEG	
014.0	52240348	1.0	EA	NUT,SEALING	
014.0	95245049	220.0	IN	CONDUIT,FLEX-1/2SEALTITE	
015.0	95256863	1.0	EA	BUSHING,REDUCING	
015.0	95735049	1.0	EA	OUTLET BODY	
016.0	95344818	2.0	EA	COVER	
017.0	95344867	2.0	EA	GASKET,COVER	

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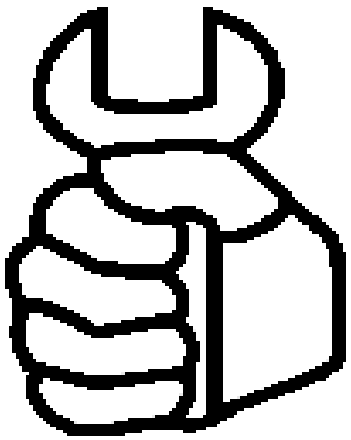
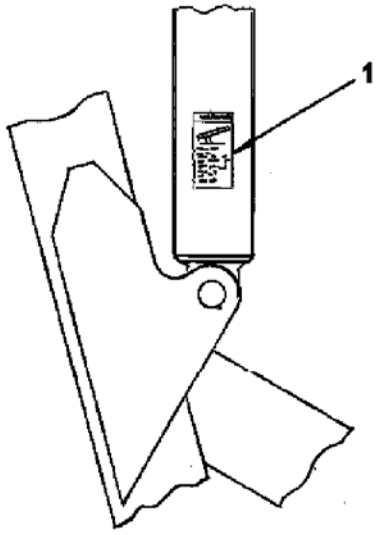
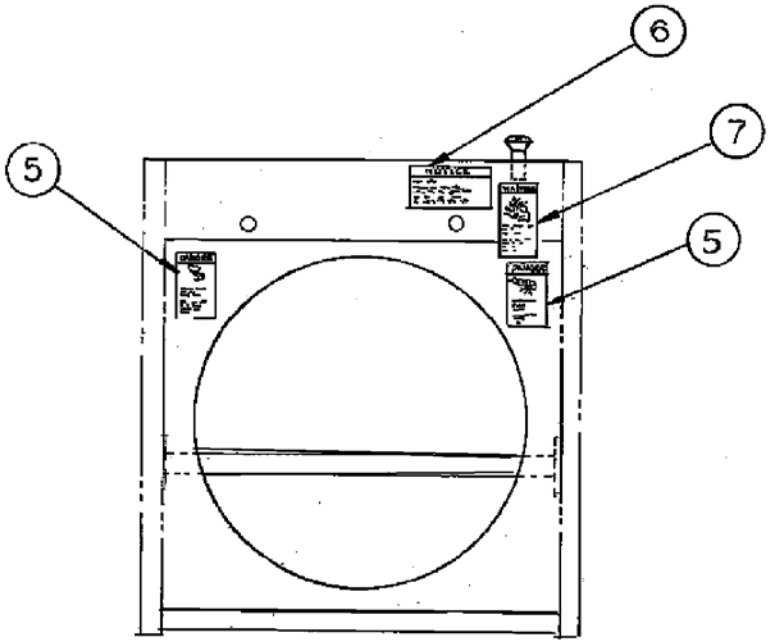


Section M - Tools/Accessories

57147910 DECALS,SAFETY



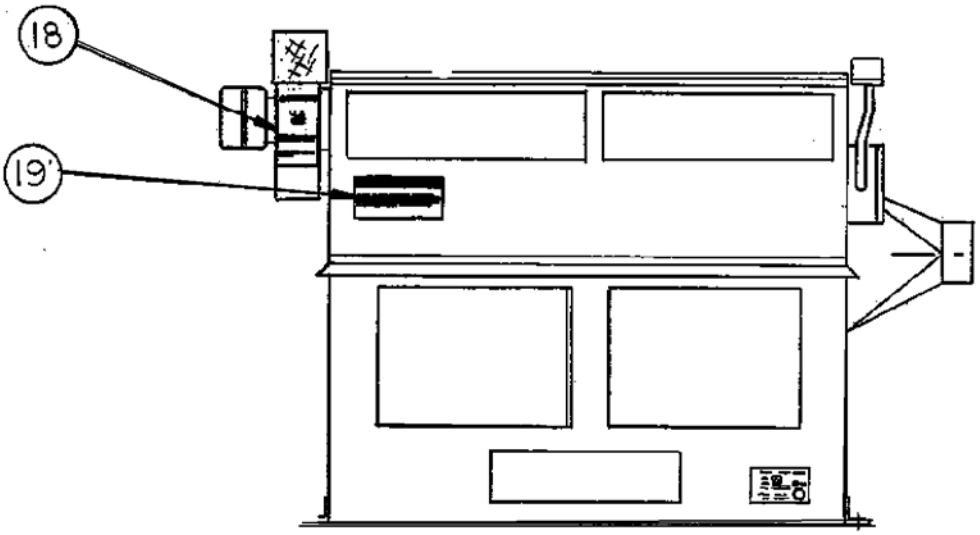
TOWER RAISING CYL.



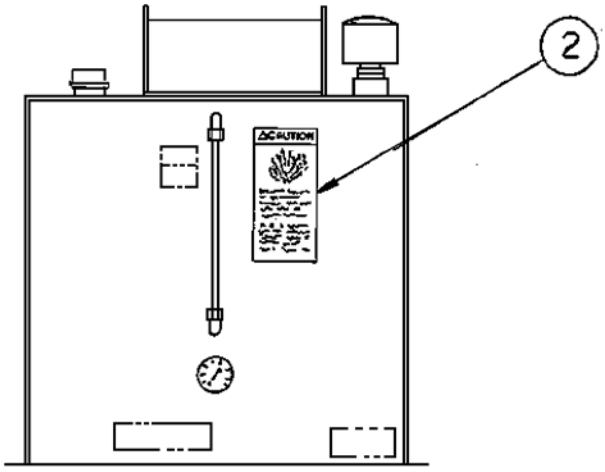
COOLER

BOM 57147910

57147910 DECALS,SAFETY



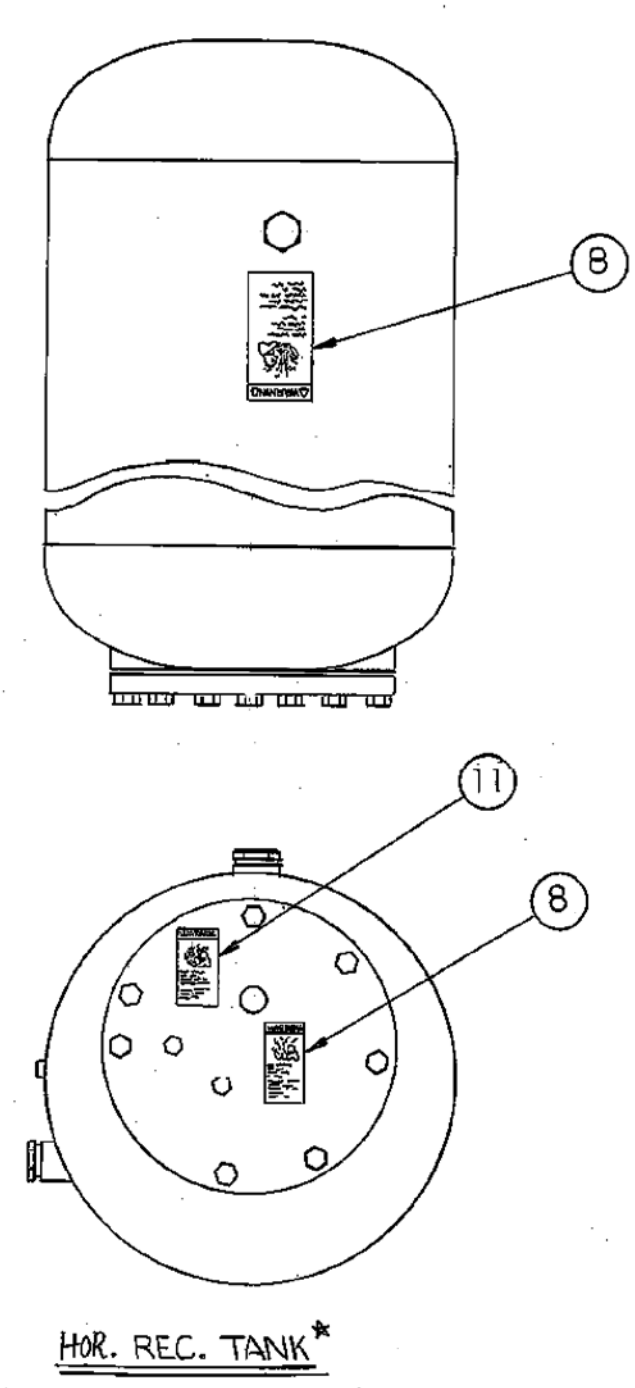
DUST COLLECTOR



HYD. TANK

TB2657147910 REV 011

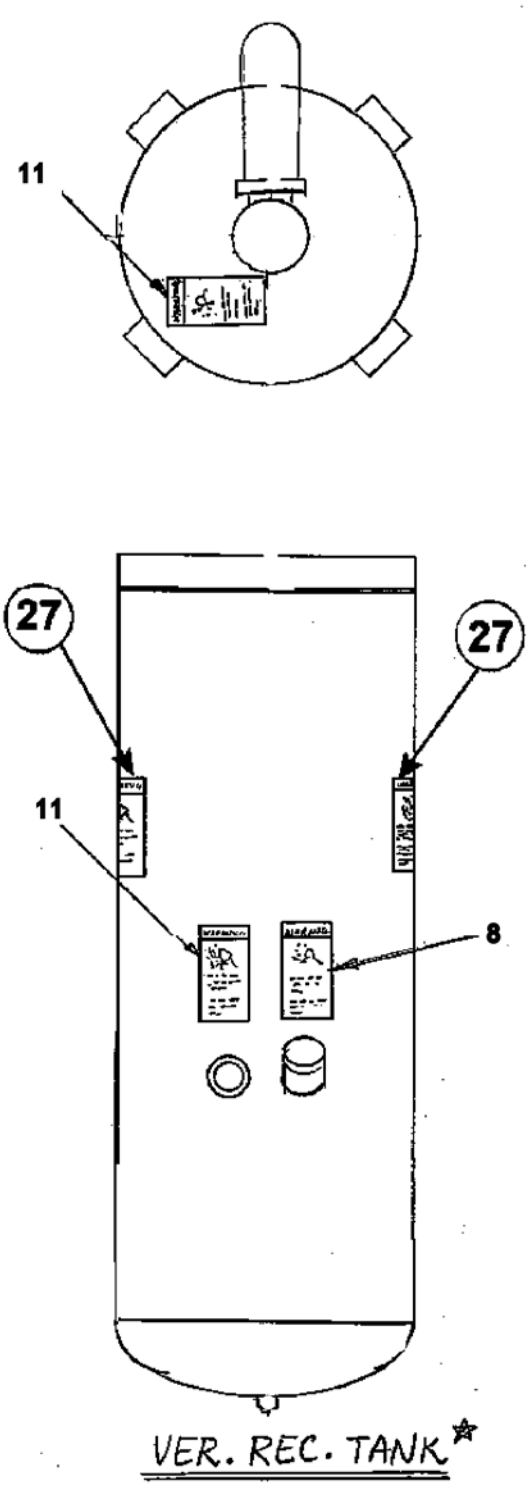
57147910 DECALS,SAFETY



TB2657147910 REV 011

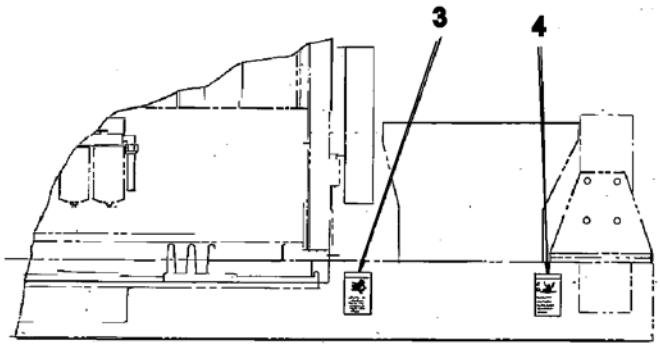
BOM 57147910

57147910 DECALS,SAFETY

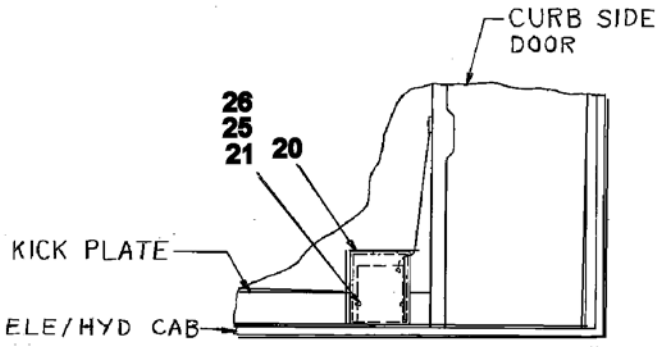


TB2657147910 REV 011

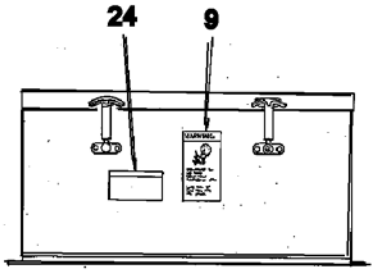
57147910 DECALS,SAFETY



ENG. ASSY. / COUPLING GUARD



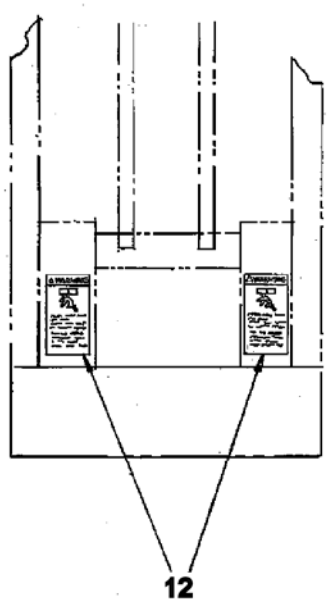
MANUAL LOCATION
USE EXISTING TAPPED
HOLES IN KICK PLATE



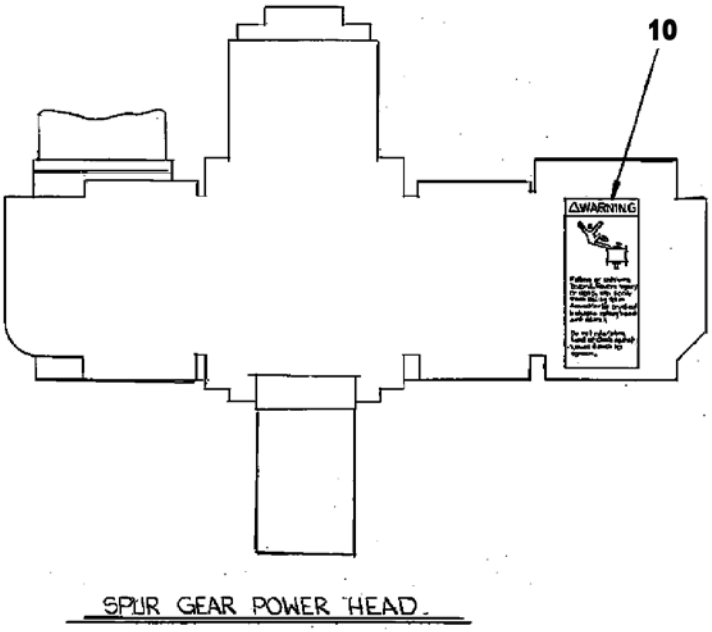
BATTERY BOX ON RIG

BOM 57147910

57147910 DECALS,SAFETY



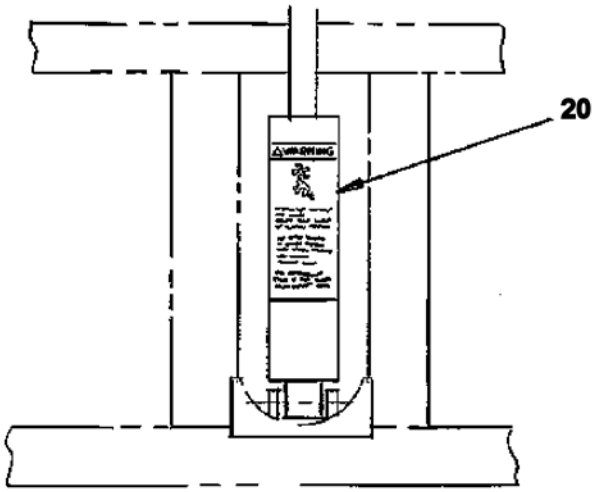
TOWER BOTTOM



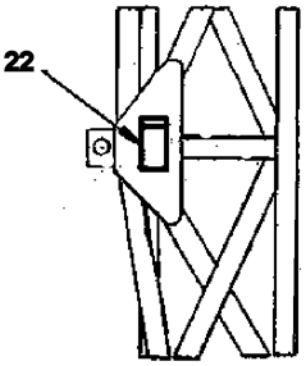
SPUR GEAR POWER HEAD.

TB2657147910 REV 011

57147910 DECALS,SAFETY



ROD CHANGER CYL.

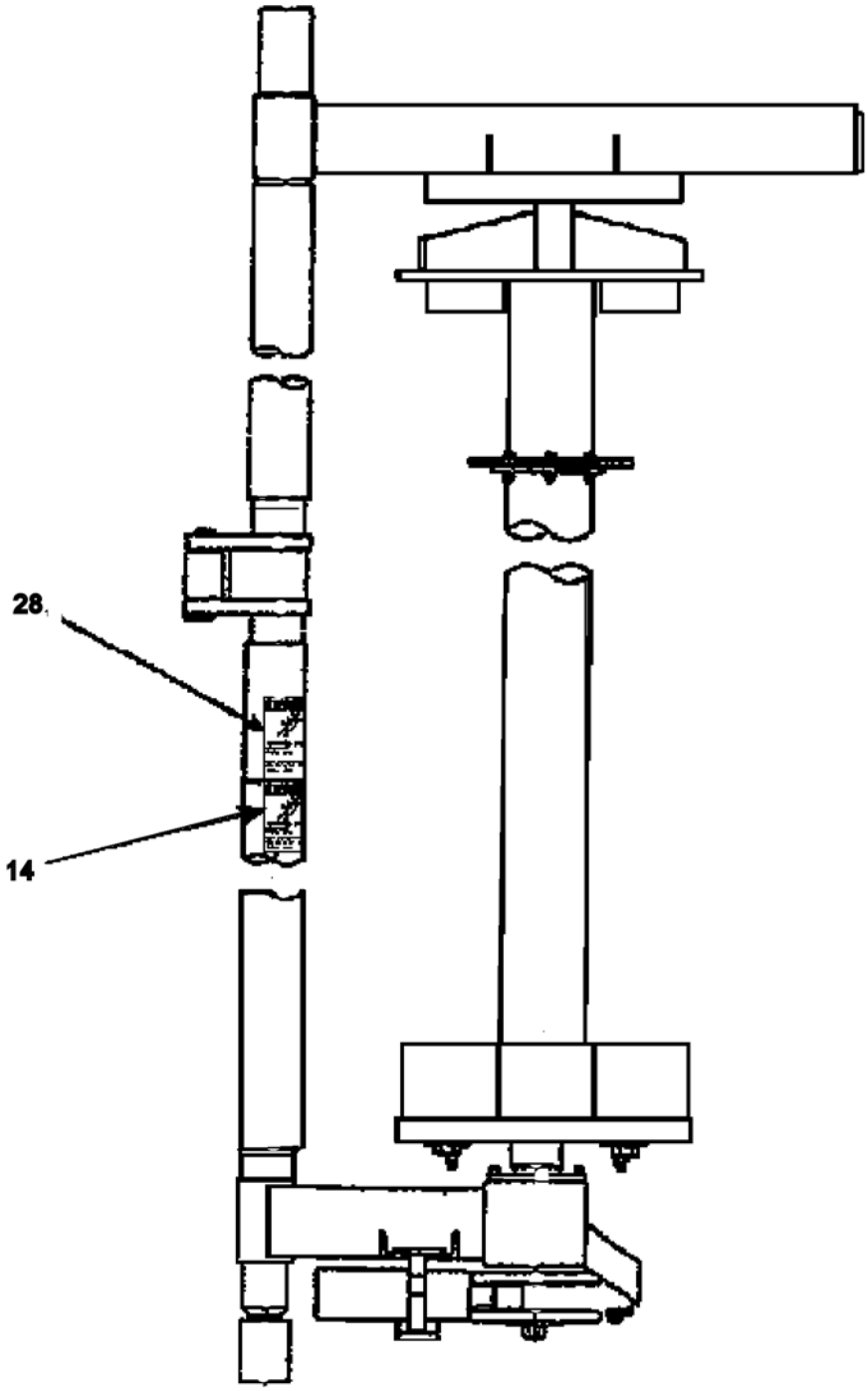


DERRICK

TB2657147910 REV 011

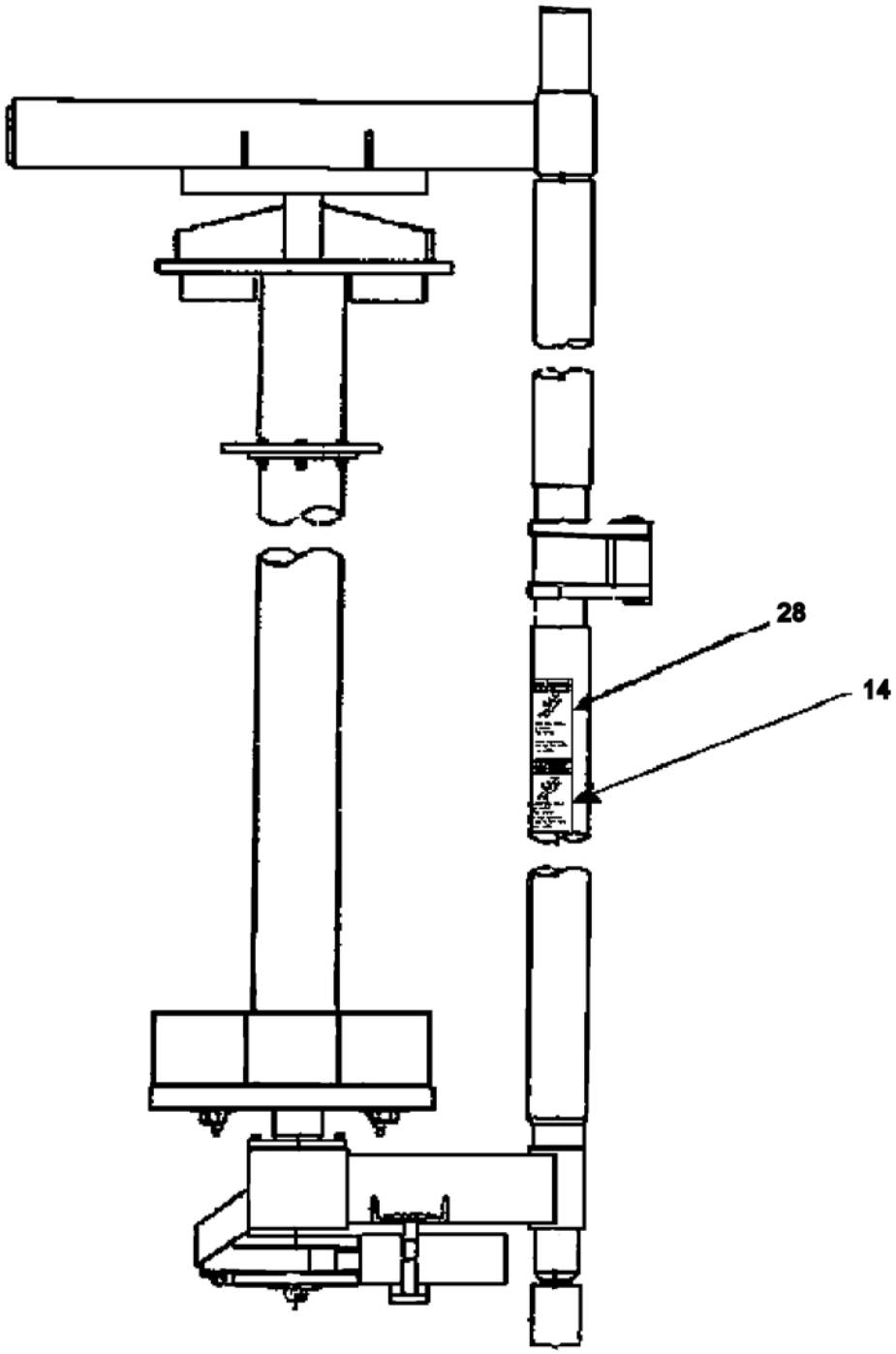
BOM 57147910

57147910 DECALS,SAFETY



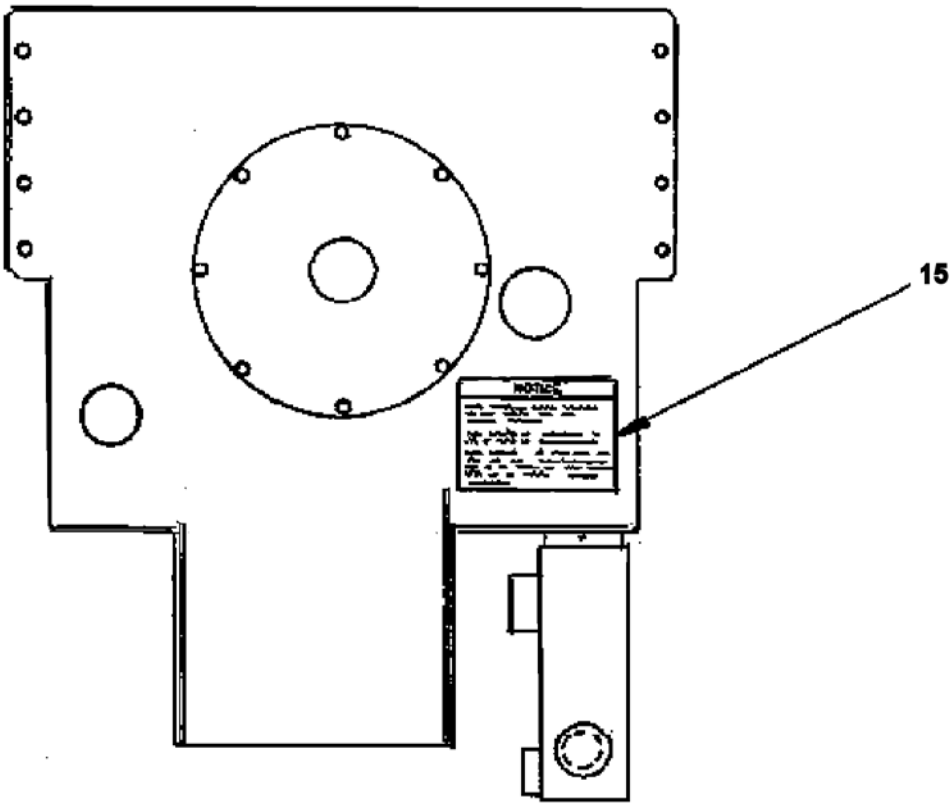
TB2657147910 REV 011

57147910 DECALS,SAFETY



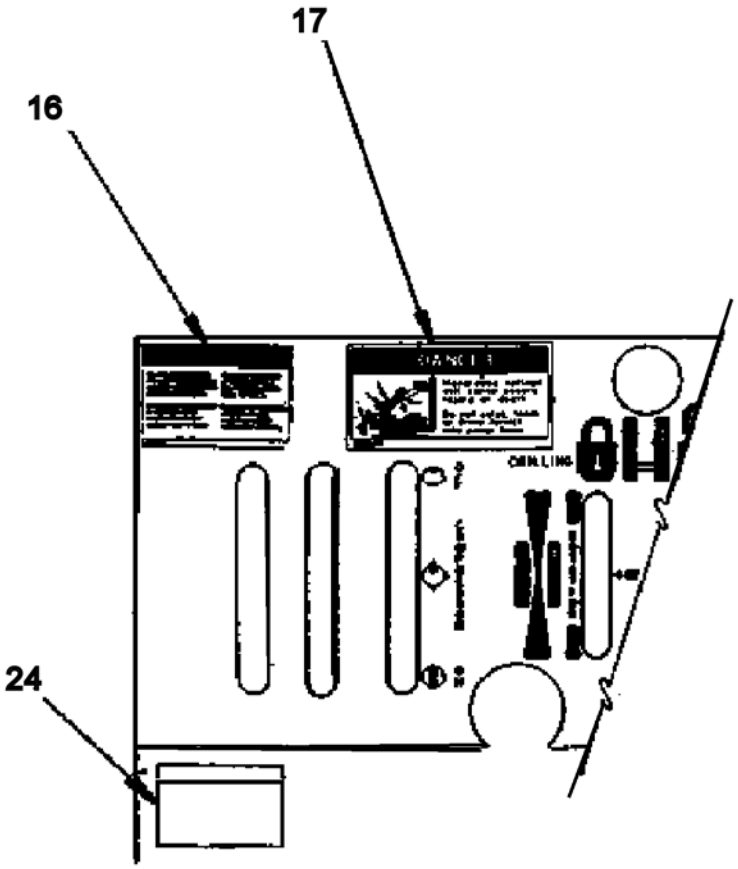
TB2657147910 REV 011

57147910 DECALS,SAFETY



HYD. TANK

57147910 DECALS,SAFETY



CONSOLE

BOM 57147910

57147910 DECALS,SAFETY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
000.1	57404295	1.0	EA	DECAL & MANUALSET-DM45/5	**See Page 678**
001.1	57140360	0.0	EA	DECAL,WARNING-FALLDERRIC	
002.1	57140477	0.0	EA	DECAL,CAUTION-EXCESSOIL	
003.1	57140345	0.0	EA	DECALWARNING-ROTAT.PARTS	
004.1	57140337	0.0	EA	DECAL,WARNING-ROTATINGPT	
005.1	57140469	0.0	EA	DECAL,WARNING-ROT.BLADE	
006.1	57140444	0.0	EA	DECAL, ENG.FAILURECOOLSY	
007.1	57140402	0.0	EA	DECAL,WARNING-HOT FLUID	
008.2	57140352	0.0	EA	DECAL,WARNING-HIGH PRESS	
009.1	57140394	0.0	EA	DECALWARNING-COMBUST.GAS	
010.1	57140410	0.0	EA	DECAL,WARNING-POWERHEAD	
011.2	57140428	0.0	EA	DECAL,WARNING-HIGHPRESS	
012.1	57140329	0.0	EA	DECAL,WARNING-FALL PWRHD	
013.2	57140386	0.0	EA	DECAL,WARNING-FALLCAROUS	
014.1	57140378	0.0	EA	DECAL,WARNING-FALL DRLPI	
015.1	57156465	0.0	EA	DECAL,NOTICE-HYD.FAILURE	
016.2	57310831	0.0	EA	DECAL,WARNING-DON'TALTER	
017.1	57311086	0.0	EA	DECAL,DANGER-HAZ. VOLT.	
018.1	57335192	0.0	EA	DECAL,WARNING-FANBLADES	
019.1	57335200	0.0	EA	DECAL,NOTICE-DUST	
020.1	57311151	0.0	EA	MANUAL,SAFETY-DM45/50/L	**See Page 682**
021.0	95934766	3.0	EA	WASHER,LOCK,HELICAL	
022.1	57318040	0.0	EA	DECAL,WARNING-NOCLIMBNG	
024.1	57345878	0.0	EA	DECAL, NOTICE	
025.0	95928982	3.0	EA	CAPSCREW	
026.0	95922183	2.0	EA	WASHER,FLAT	
027.0	51777407	0.0	EA	NAMEPLATE,HOT SURFACE	
028.0	57285272	0.0	EA	DECAL,WARNING-HOIST	

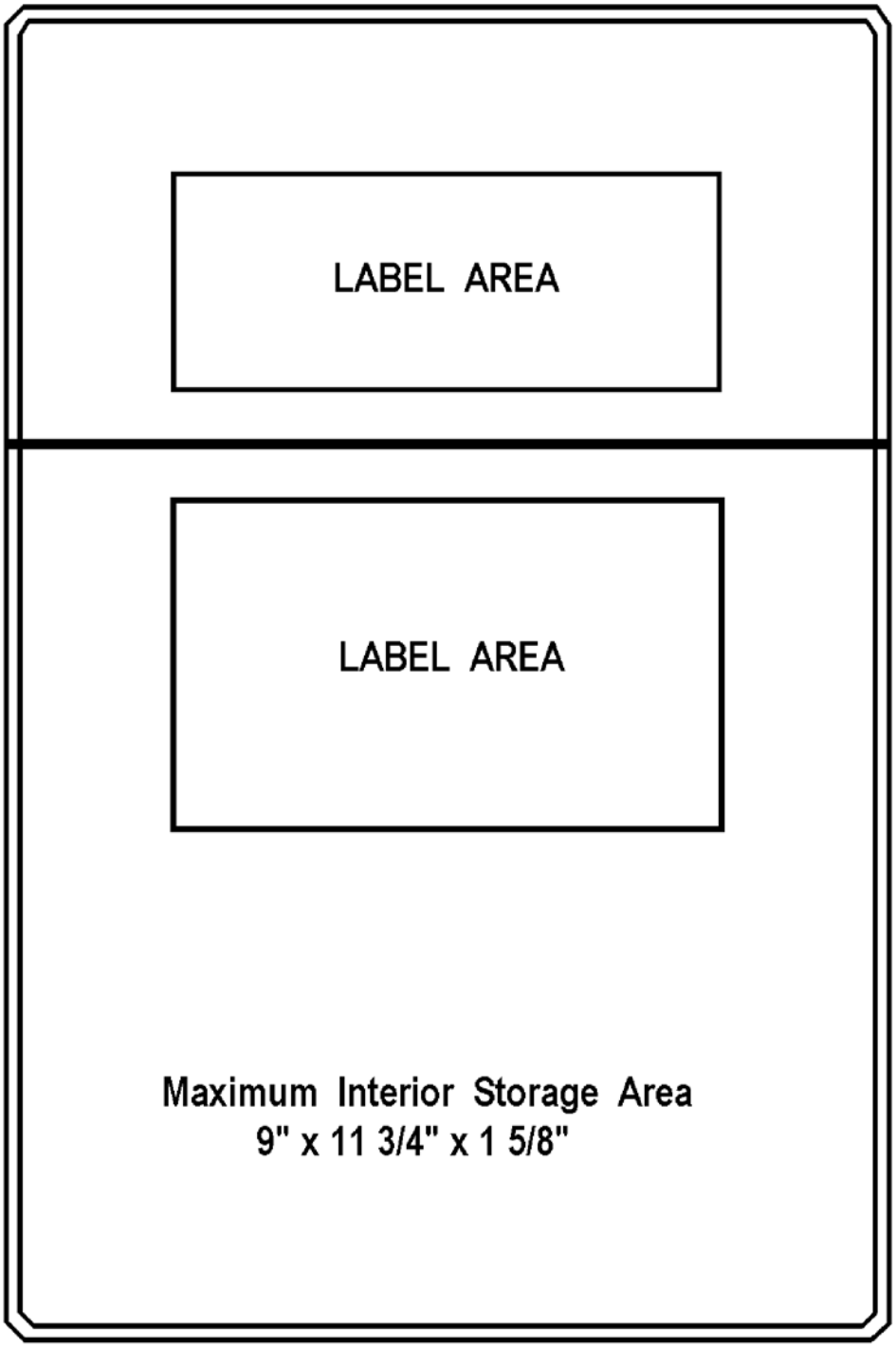
57404295 DECAL & MANUALSET-DM45/5

BOM 57404295

57404295 DECAL & MANUALSET-DM45/5

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57140360	2.0	EA	DECAL,WARNING-FALLDERRIC	
002.0	57140477	1.0	EA	DECAL,CAUTION-EXCESSOIL	
003.0	57140345	2.0	EA	DECALWARNING-ROTAT.PARTS	
004.0	57140337	2.0	EA	DECAL,WARNING-ROTATINGPT	
005.0	57140469	2.0	EA	DECAL,WARNING-ROT.BLADE	
006.0	57140444	1.0	EA	DECAL, ENG.FAILURECOOLSY	
007.0	57140402	1.0	EA	DECAL,WARNING-HOT FLUID	
008.1	57140352	2.0	EA	DECAL,WARNING-HIGH PRESS	
009.0	57140394	2.0	EA	DECALWARNING-COMBUST.GAS	
010.0	57140410	1.0	EA	DECAL,WARNING-POWERHEAD	
011.1	57140428	1.0	EA	DECAL,WARNING-HIGHPRESS	
012.0	57140329	2.0	EA	DECAL,WARNING-FALL PWRHD	
013.1	57140386	2.0	EA	DECAL,WARNING-FALLCAROUS	
014.0	57140378	2.0	EA	DECAL,WARNING-FALL DRLPI	
015.0	57156465	1.0	EA	DECAL,NOTICE-HYD.FAILURE	
016.1	57310831	1.0	EA	DECAL,WARNING-DON'TALTER	
017.0	57311086	1.0	EA	DECAL,DANGER-HAZ. VOLT.	
018.0	57335192	1.0	EA	DECAL,WARNING-FANBLADES	
019.0	57335200	1.0	EA	DECAL,NOTICE-DUST	
020.0	57311151	1.0	EA	MANUAL,SAFETY-DM45/50/L	**See Page 680**
022.0	57318040	2.0	EA	DECAL,WARNING-NOCLIMBNG	
024.0	57345878	3.0	EA	DECAL, NOTICE	
027.0	51777407	2.0	EA	NAMEPLATE,HOT SURFACE	
028.0	57285272	2.0	EA	DECAL,WARNING-HOIST	

57311151 MANUAL,SAFETY-DM45/50/L

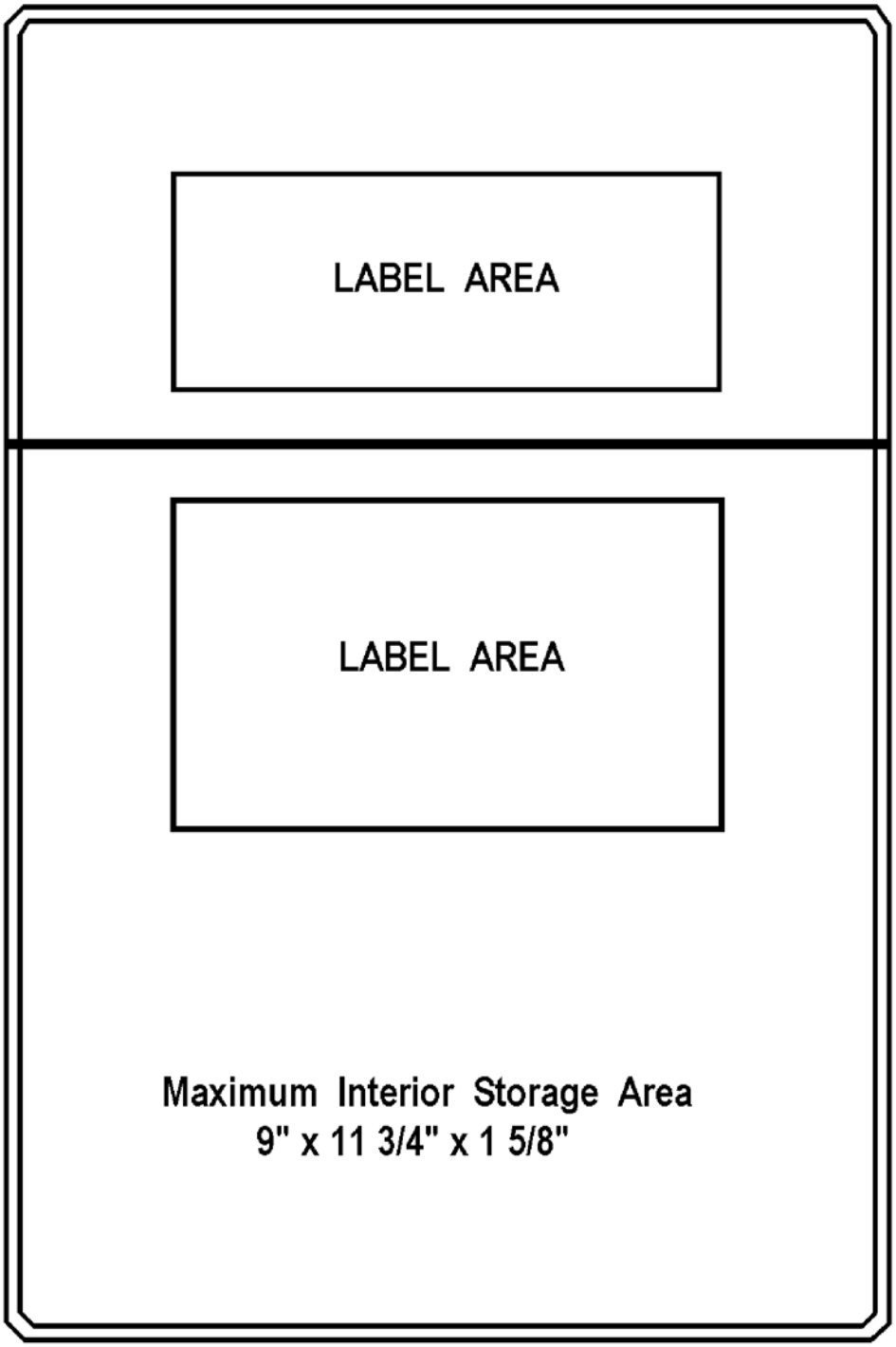


BOM 57311151

57311151 MANUAL,SAFETY-DM45/50/L

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57311169	1.0	EA	PAGE,COVER	
002.0	57311649	1.0	EA	PAGE,ORDER INFORMATION	
003.0	57311656	1.0	EA	PAGE,LABEL REFERENCE	
004.1	57324154	1.0	EA	PAGE, TABLE-DM 45/50/DML	
005.0	57299422	1.0	EA	PAGE,EXCESSIVE HYD. OIL	
006.0	57299430	1.0	EA	PAGE,ROTATING PARTS	
007.0	57299448	1.0	EA	PAGE,ROTATING PARTS	
008.0	57299455	1.0	EA	PAGE,ROTATING BLADE	
009.0	57299463	1.0	EA	PAGE,PRESSURIZED FLUID	
011.0	57299489	1.0	EA	PAGE,HIGH PRESSURE	
012.0	57299497	1.0	EA	PAGE,COMBUSTIBLE GAS	
013.0	57299505	1.0	EA	PAGE,FALL OR CRUSHHAZARD	
014.0	57299513	1.0	EA	PAGE,HIGH PRESSURE	
015.0	57299521	1.0	EA	PAGE,FALLING POWER HEAD	
016.2	57299539	1.0	EA	PAGE,FALLING RODCAROUSEL	
017.0	57299547	1.0	EA	PAGE,FALLING DRILL PIPE	
018.0	57299554	1.0	EA	PAGE,COMBINED WARNING	
019.0	57299562	1.0	EA	PAGE,HAZARDOUS VOLTAGE	
021.0	57299588	1.0	EA	PAGE,HIGH PRESSURE	
022.0	57299596	1.0	EA	PAGE,HIGH PRESSURE	
023.0	57318834	1.0	EA	PAGE,DON'T CLIMB	
024.0	57299414	1.0	EA	PAGE,FALLING DERRICK	
025.0	57338329	1.0	EA	PAGE,FAN BLADES	
026.0	57755225	1.0	EA	PAGE,TABLE,DMLSP	

57311151 MANUAL,SAFETY-DM45/50/L



BOM 57311151

57311151 MANUAL,SAFETY-DM45/50/L

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57311169	1.0	EA	PAGE,COVER	
002.0	57311649	1.0	EA	PAGE,ORDER INFORMATION	
003.0	57311656	1.0	EA	PAGE,LABEL REFERENCE	
004.1	57324154	1.0	EA	PAGE, TABLE-DM 45/50/DML	
005.0	57299422	1.0	EA	PAGE,EXCESSIVE HYD. OIL	
006.0	57299430	1.0	EA	PAGE,ROTATING PARTS	
007.0	57299448	1.0	EA	PAGE,ROTATING PARTS	
008.0	57299455	1.0	EA	PAGE,ROTATING BLADE	
009.0	57299463	1.0	EA	PAGE,PRESSURIZED FLUID	
011.0	57299489	1.0	EA	PAGE,HIGH PRESSURE	
012.0	57299497	1.0	EA	PAGE,COMBUSTIBLE GAS	
013.0	57299505	1.0	EA	PAGE,FALL OR CRUSHHAZARD	
014.0	57299513	1.0	EA	PAGE,HIGH PRESSURE	
015.0	57299521	1.0	EA	PAGE,FALLING POWER HEAD	
016.2	57299539	1.0	EA	PAGE,FALLING RODCAROUSEL	
017.0	57299547	1.0	EA	PAGE,FALLING DRILL PIPE	
018.0	57299554	1.0	EA	PAGE,COMBINED WARNING	
019.0	57299562	1.0	EA	PAGE,HAZARDOUS VOLTAGE	
021.0	57299588	1.0	EA	PAGE,HIGH PRESSURE	
022.0	57299596	1.0	EA	PAGE,HIGH PRESSURE	
023.0	57318834	1.0	EA	PAGE,DON'T CLIMB	
024.0	57299414	1.0	EA	PAGE,FALLING DERRICK	
025.0	57338329	1.0	EA	PAGE,FAN BLADES	
026.0	57755225	1.0	EA	PAGE,TABLE,DMLSP	

57496481 EXPORT PACKAGE

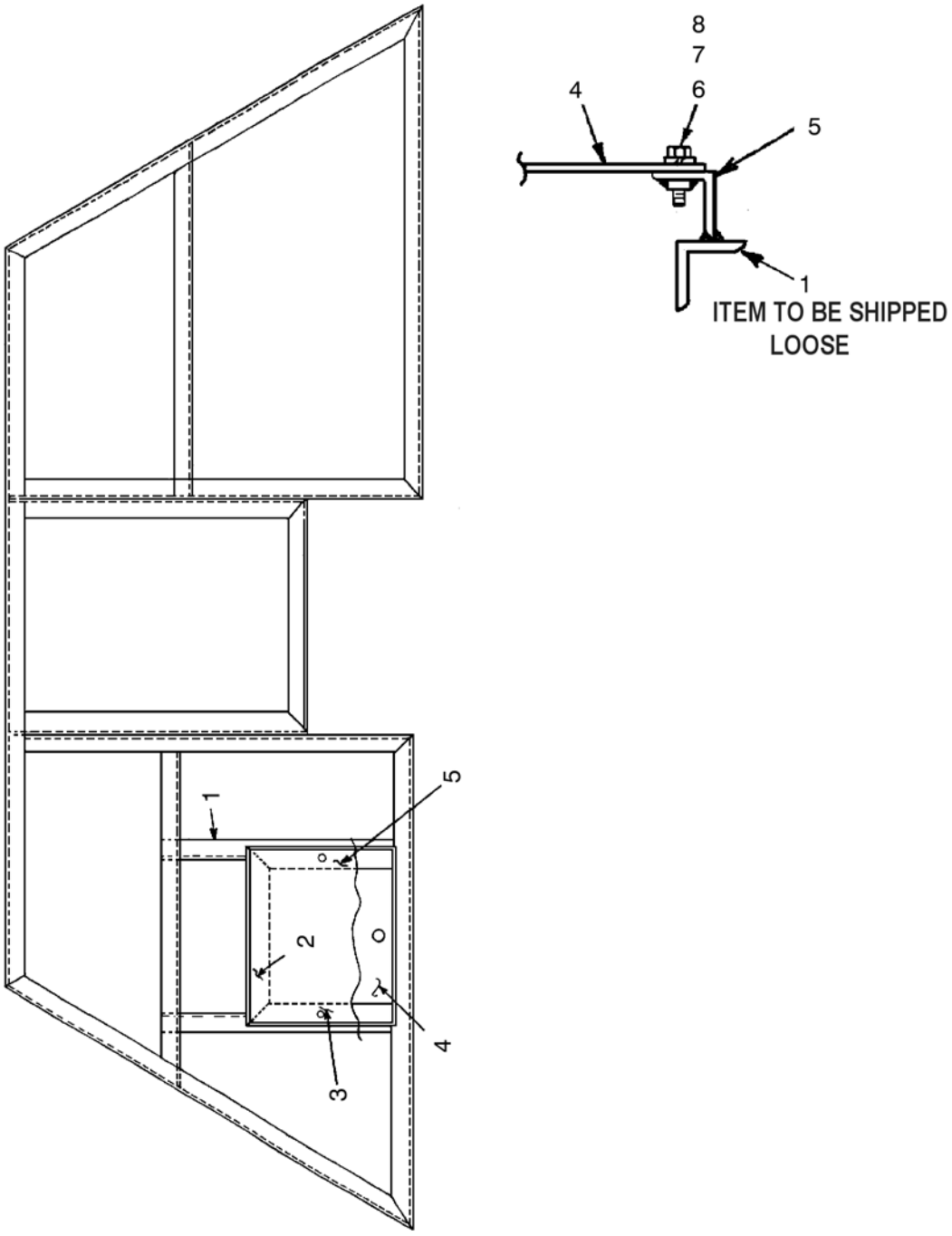
NONE REV 000

BOM 57496481

57496481 EXPORT PACKAGE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57371544	50.0	EA	TAG, BLANK ALUM	
007.0	57495855	2.0	EA	MODIFICATION,REARPLATFM	**See Page 686**
102.0	50525187	1.0	EA	LUBRICANT,TOOL JOINT	

57495855 MODIFICATION,REARPLATFM



D2657495855 REV 004

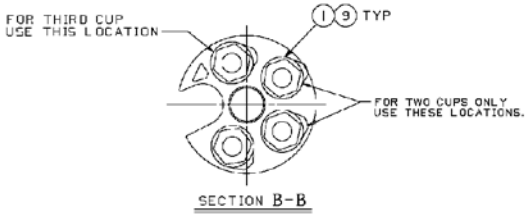
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

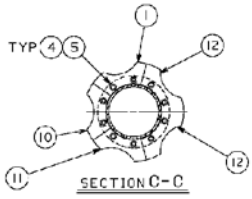
BOM 57495855

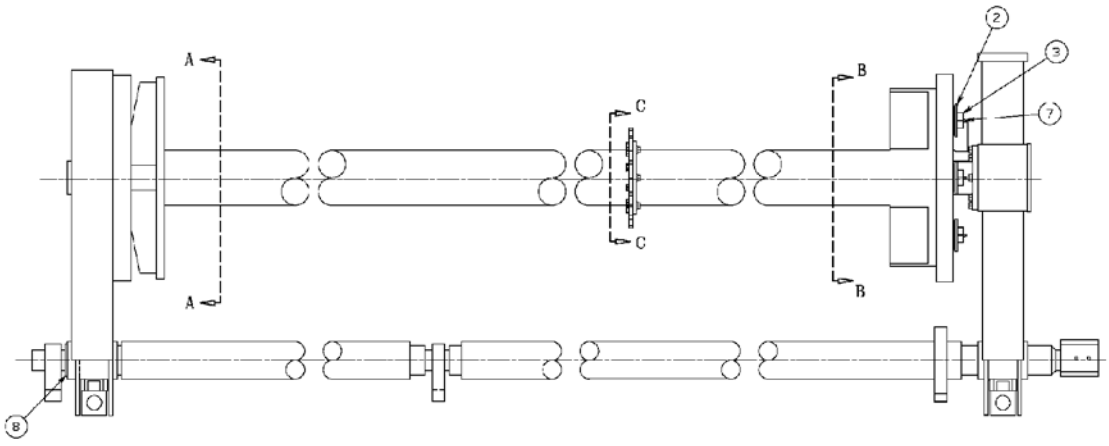
57495855 MODIFICATION,REARPLATFM

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57496432	2.0	EA	ANGLE - SUPPORT	
002.0	57496440	1.0	EA	ANGLE - SUPPORT	
003.0	57496457	1.0	EA	ANGLE - SUPPORT	
004.0	57496465	1.0	EA	COVER	
005.0	57496473	1.0	EA	ANGLE - SUPPORT	
006.0	95920682	1.0	EA	CAPSCREW,HEX	
007.0	95937413	1.0	EA	WASHER,LOCK,HELICAL	
008.0	95922894	1.0	EA	NUT,HEX	

57564791 RODTOOLS,7.63 PIPE





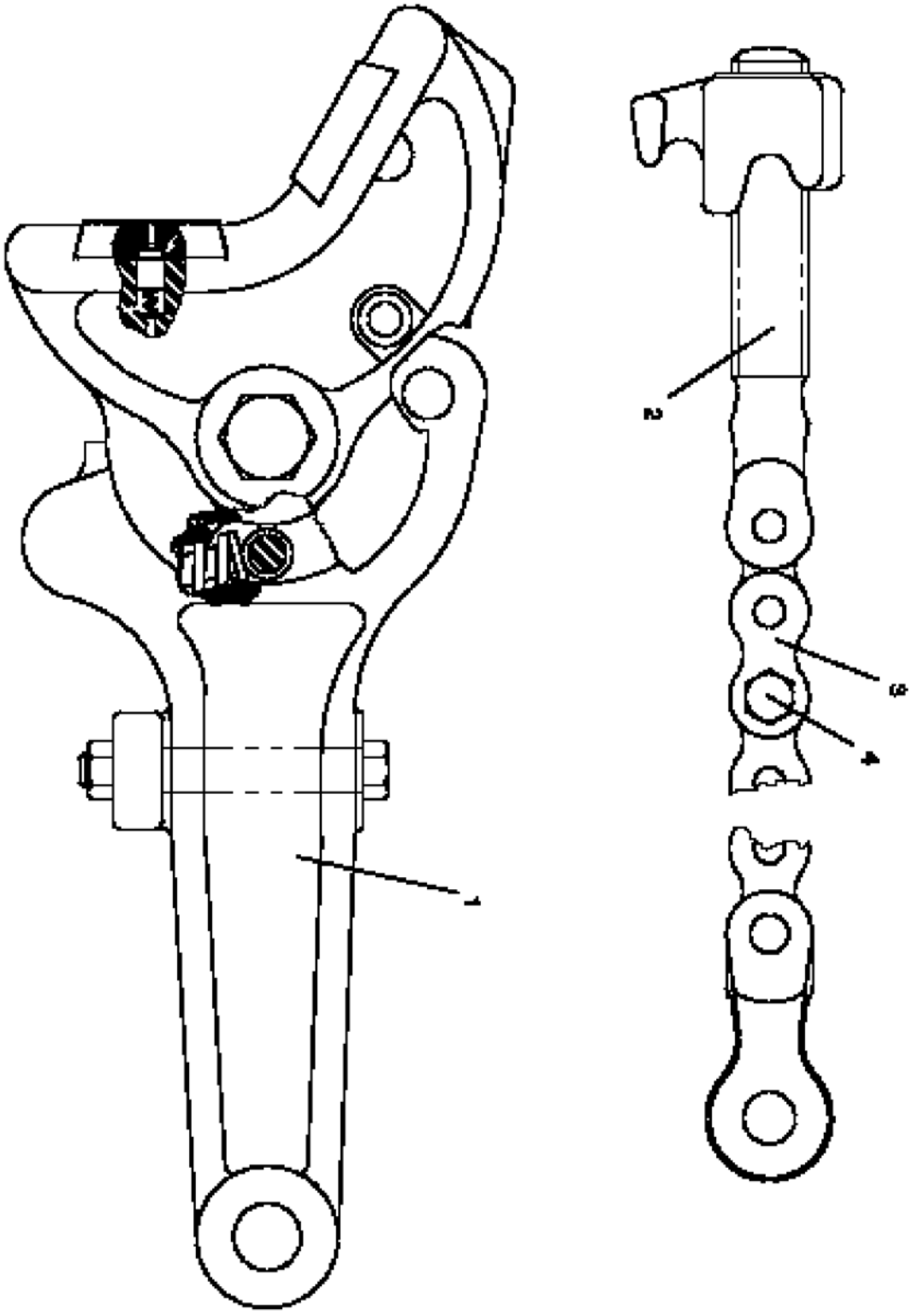


BOM 57564791

57564791 RODTOOLS,7.63 PIPE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57562662	2.0	EA	CHUCK,ROD-7.63 PIPE	
002.0	50519560	2.0	EA	PLATE,ROD CHUCK LOCKING	
003.0	57562670	2.0	EA	BOLT,ROD CUP,UNF-THD.	
004.0	95934592	10.0	EA	CAPSCREW,HEX	
005.0	95923322	10.0	EA	NUT,ELASTIC LOCK	
007.0	95201547	2.0	EA	FITTING,LUBE	
008.0	52185162	2.0	EA	SPACER-ROD CHANGER	
009.0	57083479	2.0	EA	BUSHING, ROD CHUCK-STEEL	
010.0	57562712	1.0	EA	ADAPTER,MIDDLE-7.63 PIPE	
011.0	57562720	2.0	EA	ADAPTER,MIDDLE-7.63 PIPE	
012.0	57564650	2.0	EA	ADAPTER,MIDDLE-7.63 PIPE	
013.0	57638082	1.0	EA	FORK,6" FLATS	
014.0	57225526	1.0	EA	BUSHING,CENT-7.63 ROD	
015.0	57226151	1.0	EA	CHAIN WRENCH 7-1/4 8-1/4	**See Page 690**
016.0	50243088	1.0	EA	REST,WRENCH	
017.0	52230786	1.0	EA	WRENCH, CHAIN ADJUSTING	
018.0	50219955	1.0	EA	PIN,LOCKING	
019.0	50245281	1.0	EA	GUN,BLOW-WITH 25' HOSE	**See Page 696**
020.0	57386427	8.0	EA	GUIDE,BLOCK-LONG R.H.	
021.0	57376832	4.0	EA	GUIDE SLIDE - R.H.	

57226151 CHAIN WRENCH 7-1/4 8-1/4

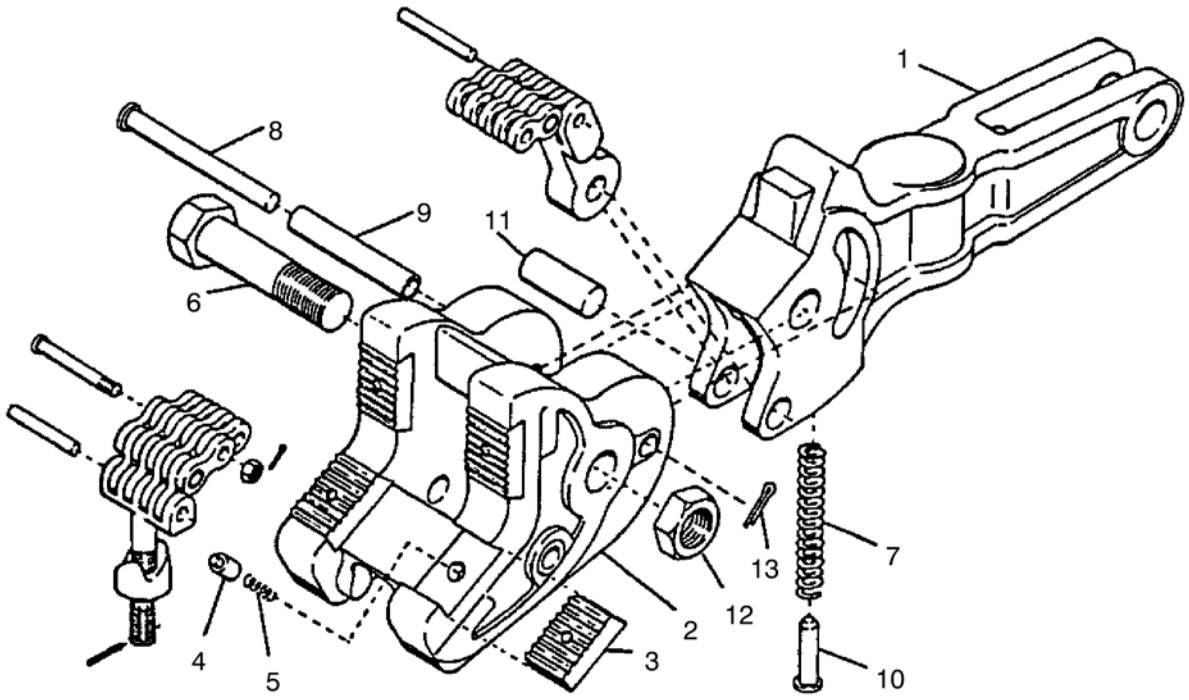


BOM 57226151

57226151 CHAIN WRENCH 7-1/4 8-1/4

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50021120	1.0	EA	TONG ASSY-W/FLAT INSERTS	**See Page 692**
002.0	57129090	1.0	EA	CHAIN ASSY	**See Page 694**
003.0	58229790	4.0	EA	BOLT AND NUT	

50021120 TONG ASSY-W/FLAT INSERTS

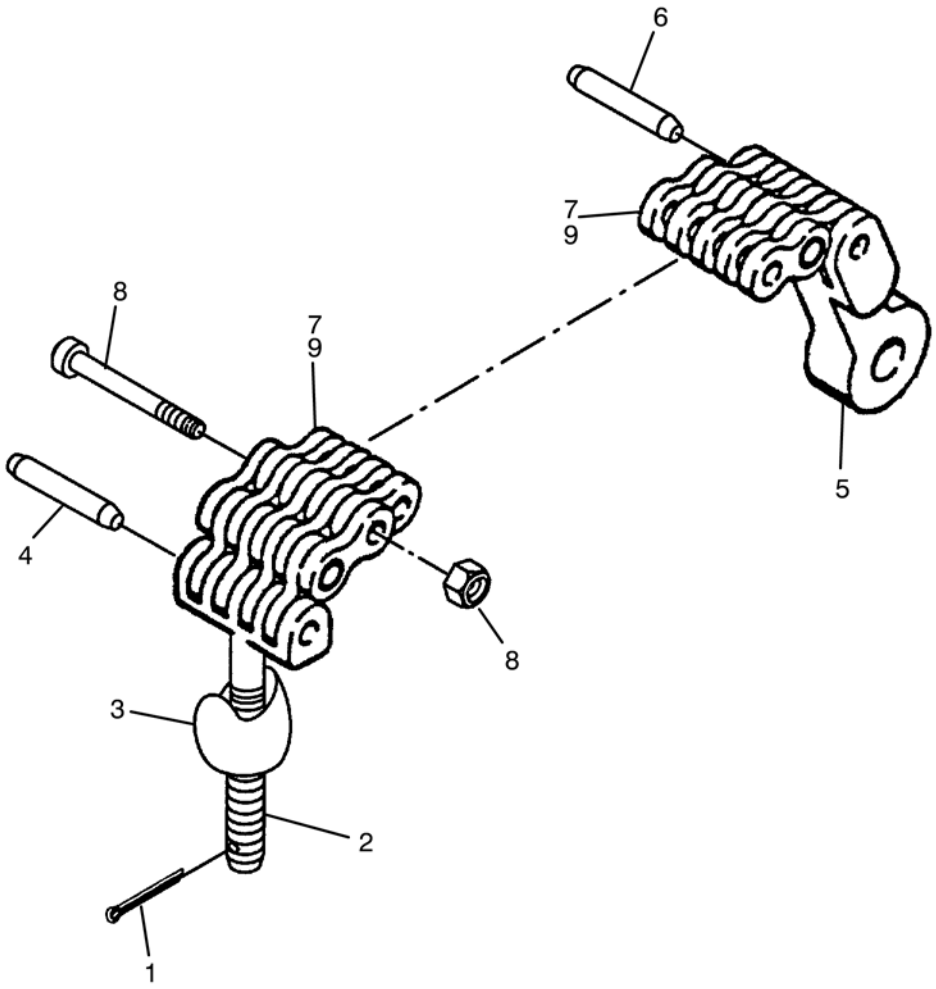


BOM 50021120

50021120 TONG ASSY-W/FLAT INSERTS

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50209675	1.0	EA	HANDLE, CHAIN TONG	
002.0	50021187	1.0	EA	JAW-CHAIN TONG	
003.0	50024397	4.0	EA	INSERT,JAW-FLAT	
004.0	50024389	4.0	EA	KEY,INSERT-CHAIN TONG	
005.0	50024371	4.0	EA	SPRING, CHAIN TONG	
006.0	50014414	1.0	EA	BOLT,JAW-CHAIN TONG	
007.0	50021229	1.0	EA	SPRING, CHAIN TONG	
008.0	50024512	1.0	EA	PIN,SPRING-CHAIN TONG	
009.0	50021237	1.0	EA	BUSHING,CHAIN TONG	
010.0	50209501	1.0	EA	GUIDE,SPRING-CHAIN TONG	
011.0	50021202	1.0	EA	PIN,HANDLE-CHAIN TONG	
012.0	95076907	1.0	EA	NUT,HEX,JAM	
013.0	95002697	1.0	EA	PIN, COTTER	

57129090 CHAIN ASSY



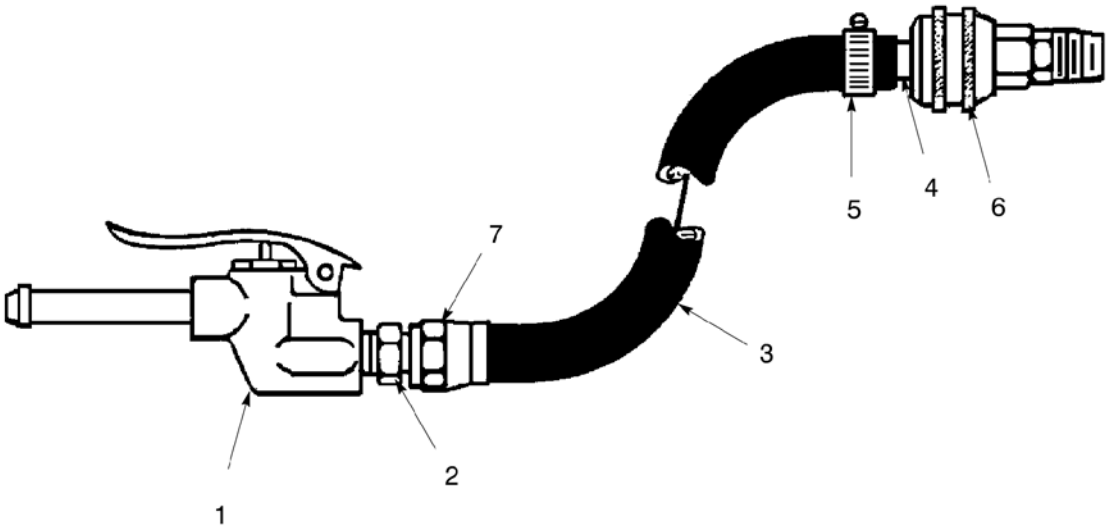
C57129066 REV 000

BOM 57129090

57129090 CHAIN ASSY

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57129132	1.0	EA	PIN	
002.0	57129140	1.0	EA	SCREW,CHAIN	
003.0	57129157	1.0	EA	NUT	
004.0	57129165	1.0	EA	PIN	
005.0	57129173	1.0	EA	LINK,MASTER	
006.0	57129181	1.0	EA	PIN	
007.0	57129199	76.0	EA	SUB 50021377	
008.0	58229790	4.0	EA	BOLT AND NUT	
009.0	57129207	12.0	EA	RIVET	

50245281 GUN,BLOW-WITH 25' HOSE



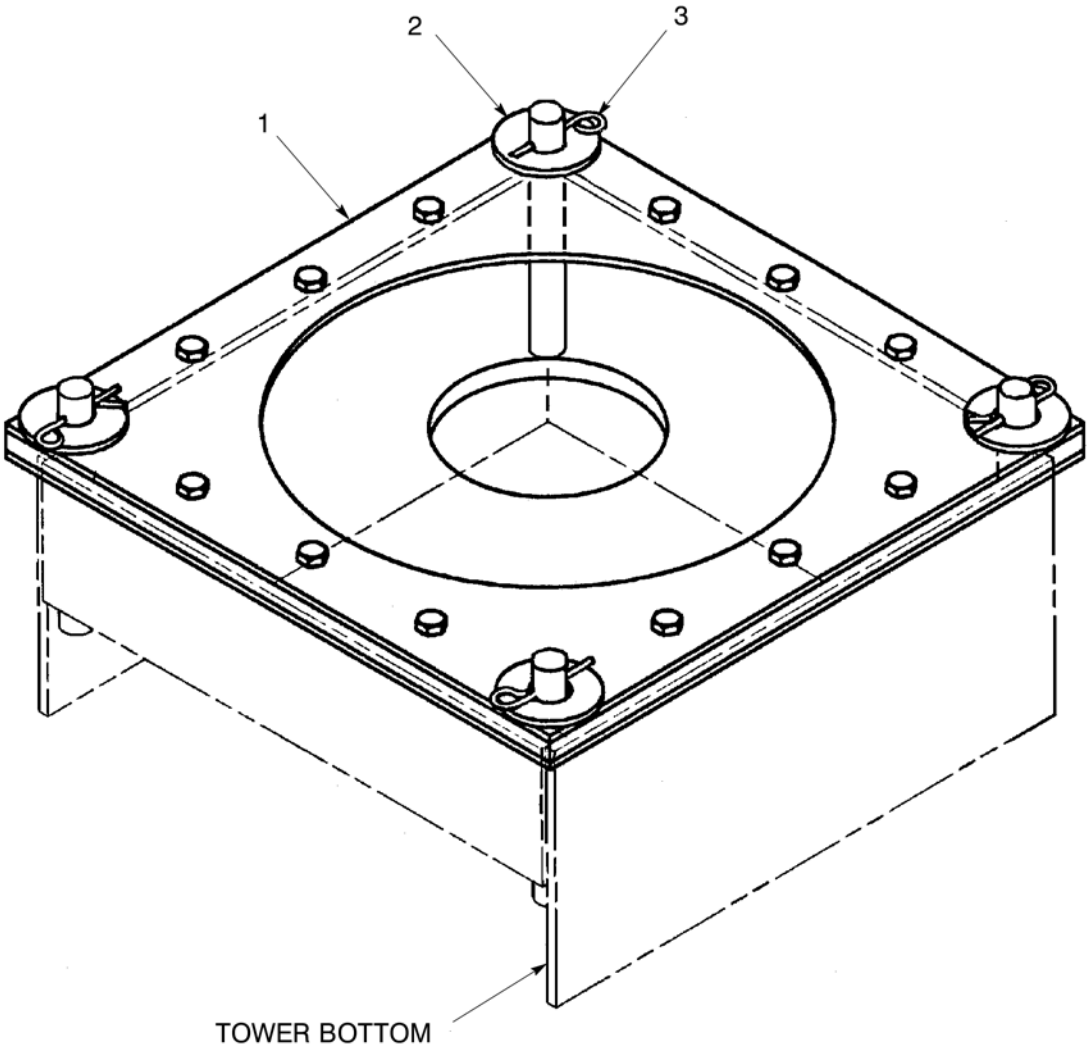
BOM 50245281

50245281 GUN,BLOW-WITH 25' HOSE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	50067131	1.0	EA	GUN,BLOW,D	
002.0	95316972	1.0	EA	CONNECTOR,MALE,37 DEG	
003.0	57053183	300.0	IN	HOSE,HYD-A06 BULK	
004.0	50245299	1.0	EA	CONNECTOR, HOSE	
005.1	95220844	1.0	EA	CLAMP,HOSE	
006.0	50245307	1.0	EA	COUPLING,QD	
007.0	59506436	1.0	EA	FITTING,HOSE	

BOM 57614307

57614307 ROD SEAL ASM,7-5/8 PIPE



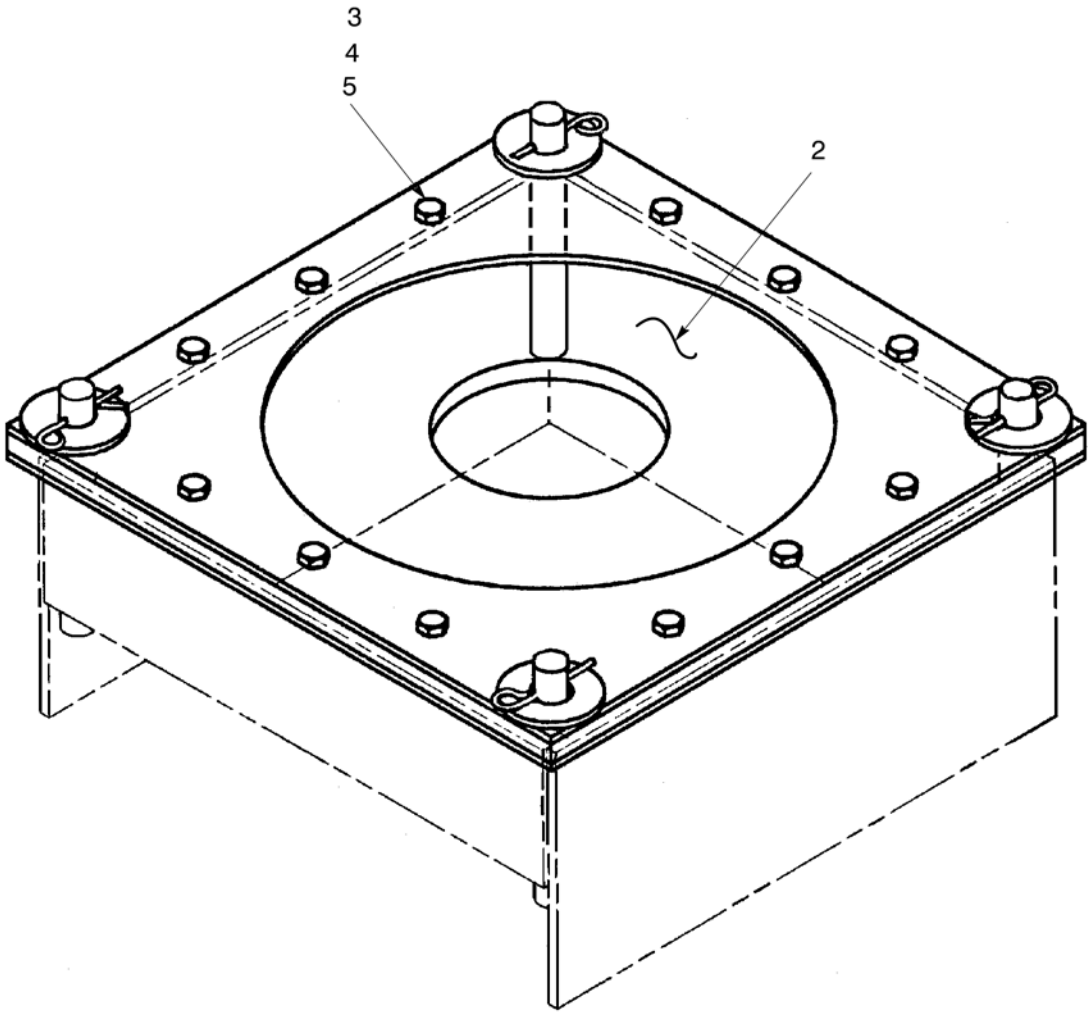
TB2657554172 REV 003

BOM 57614307

57614307 ROD SEAL ASM,7-5/8 PIPE

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57614315	1.0	EA	DUST SEAL	**See Page 700**
002.0	95081659	8.0	EA	WASHER,FLAT	
003.0	95433819	4.0	EA	CLIP	

57614315 DUST SEAL



C57519746 REV 002

BOM 57614315

57614315 DUST SEAL

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
002.0	57614323	1.0	EA	SEAL	
003.0	95934584	12.0	EA	CAPSCREW	
004.0	95937413	12.0	EA	WASHER,LOCK,HELICAL	
005.0	95922894	12.0	EA	NUT,HEX	

BOM 57747008

57747008 KIT,FILTER,FIELD,285 A/E

LIST REV 000

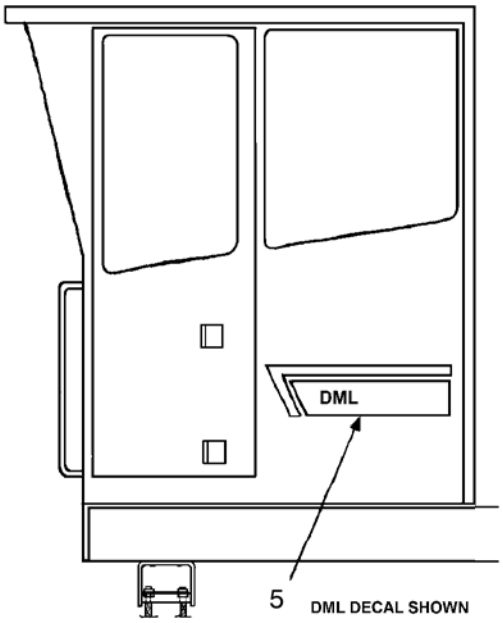
WARNING: This manual contains data **SPECIFIC** to the drilling rig with serial number: 8593

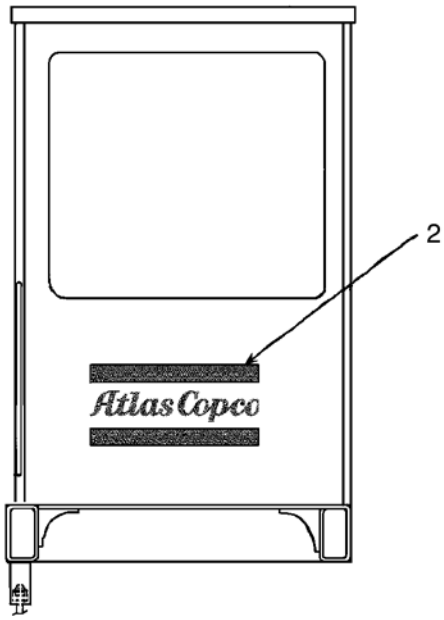
BOM 57747008

57747008 KIT,FILTER,FIELD,285 A/E

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	52263183	2.0	EA	ELEMENT,FILTER-MAIN HYD	
002.0	57336406	1.0	EA	ELEMENT,KF3 FILTER S3	
003.0	57065534	1.0	EA	ELEMENT,FILTER	

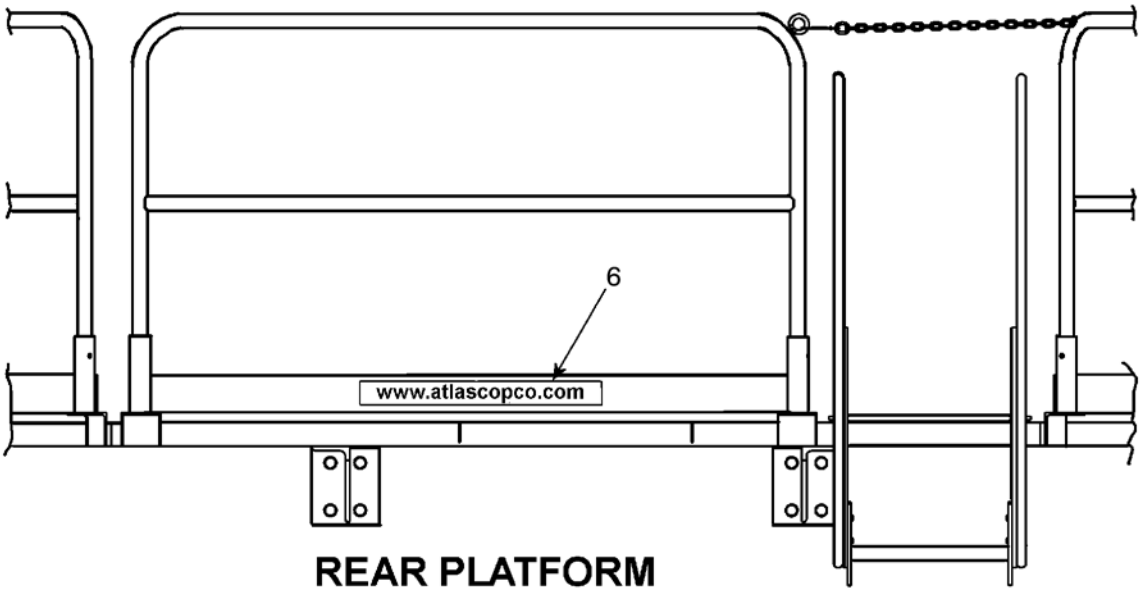
57788440 DECALS,COMMON,RIG-DML



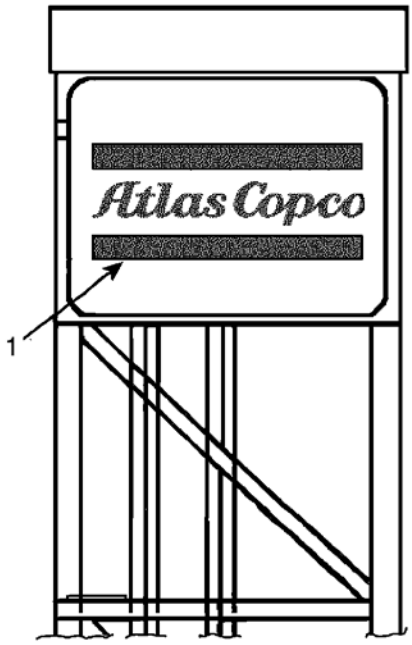


D2657788424 REV 001

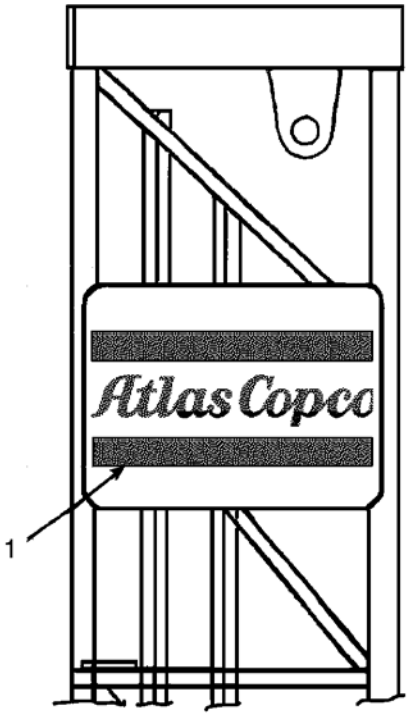
57788440 DECALS,COMMON,RIG-DML



REAR PLATFORM



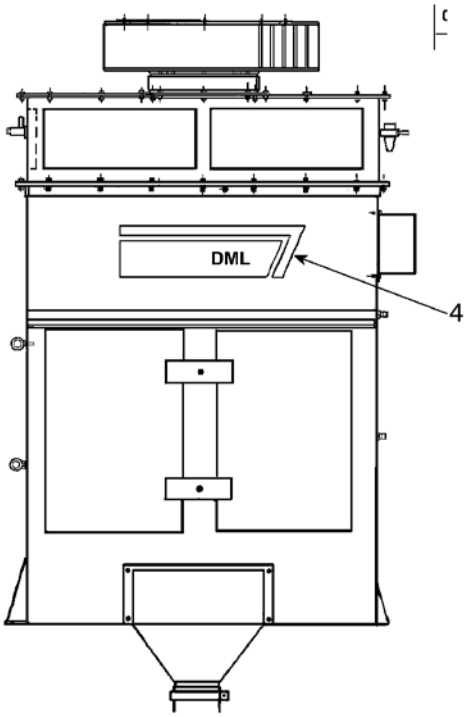
FOR DML – SP RIGS

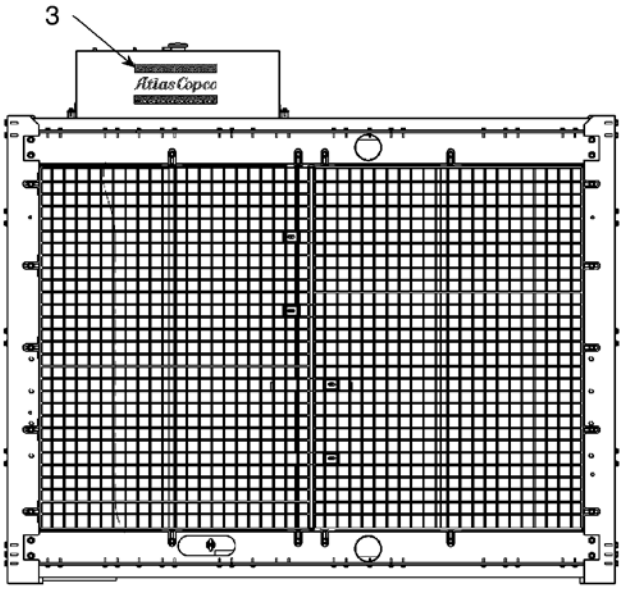


FOR DM45/50/DML RIGS

D2657788424 REV 001

57788440 DECALS,COMMON,RIG-DML





D2657788424 REV 001

BOM 57788440

57788440 DECALS,COMMON,RIG-DML

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57787525	2.0	EA	LOGO,AC-33X15,BLACK	
002.0	57787525	1.0	EA	LOGO,AC-33X15,BLACK	
003.0	57779308	1.0	EA	DECAL,ATLAS COPCO,11.5"W	
004.0	57215311	1.0	EA	DECAL, DML - RH	
005.0	57215378	1.0	EA	DECAL DML-LH	
006.0	57786048	1.0	EA	DECAL,WEB PAGE,BLACK,2.5	

50421908 PAINT & SUPPLIES

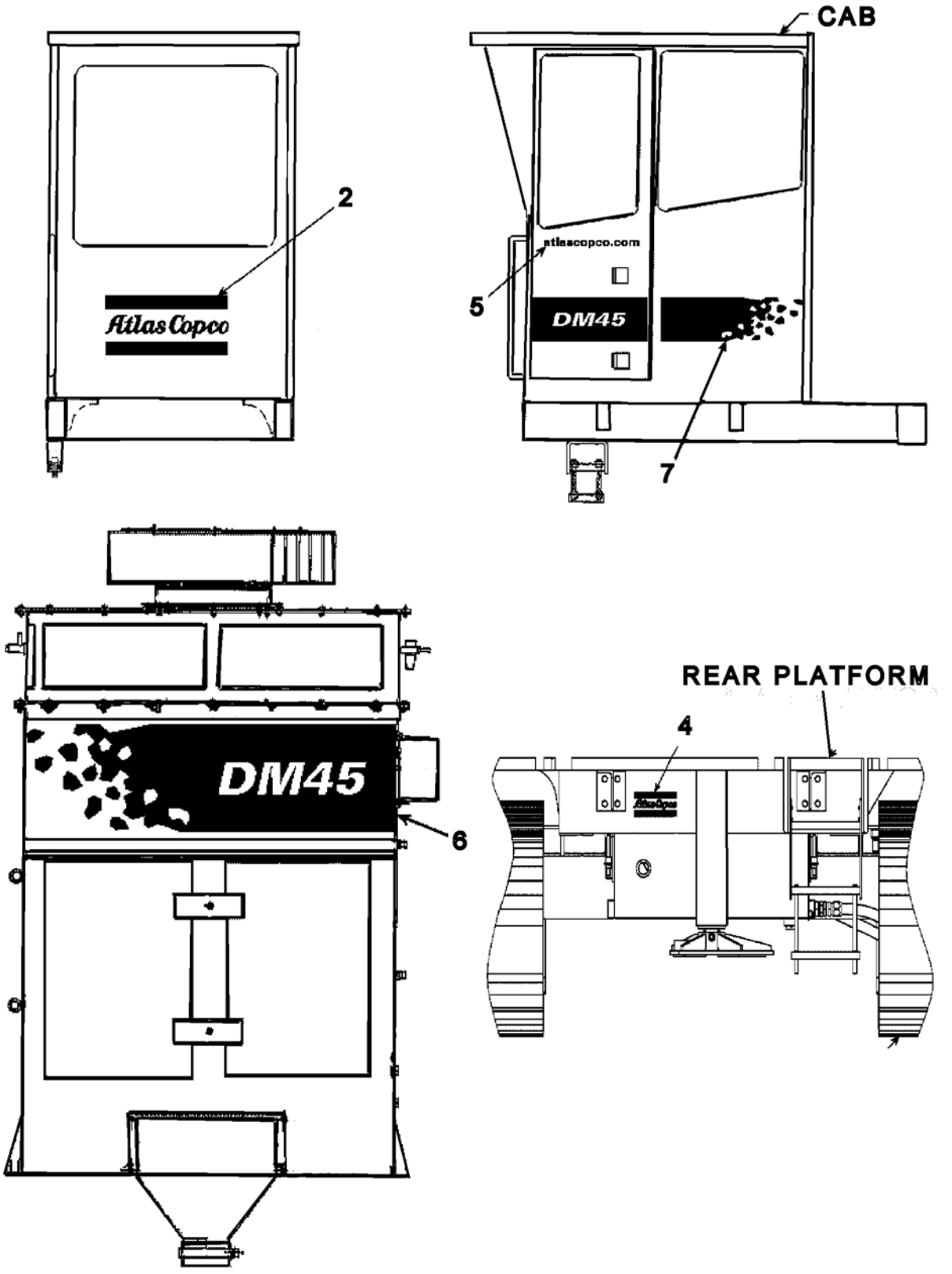
NONE REV 000

BOM 50421908

50421908 PAINT & SUPPLIES

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.3	35323567	15.0	GL	PAINT, BEIGE	
002.0	50261437	5.0	GL	THINNER,	
004.0	50261445	5.0	GL	PAINT, BLACK	
007.1	58220773	1.0	GL	PAINT, BLACK	
008.3	57135501	10.0	GL	PRIMER, GREY EPOXY	
009.1	50407451	3.0	EA	SEALANT	
010.0	57136459	10.0	QT	CATALYST, PRIMER	

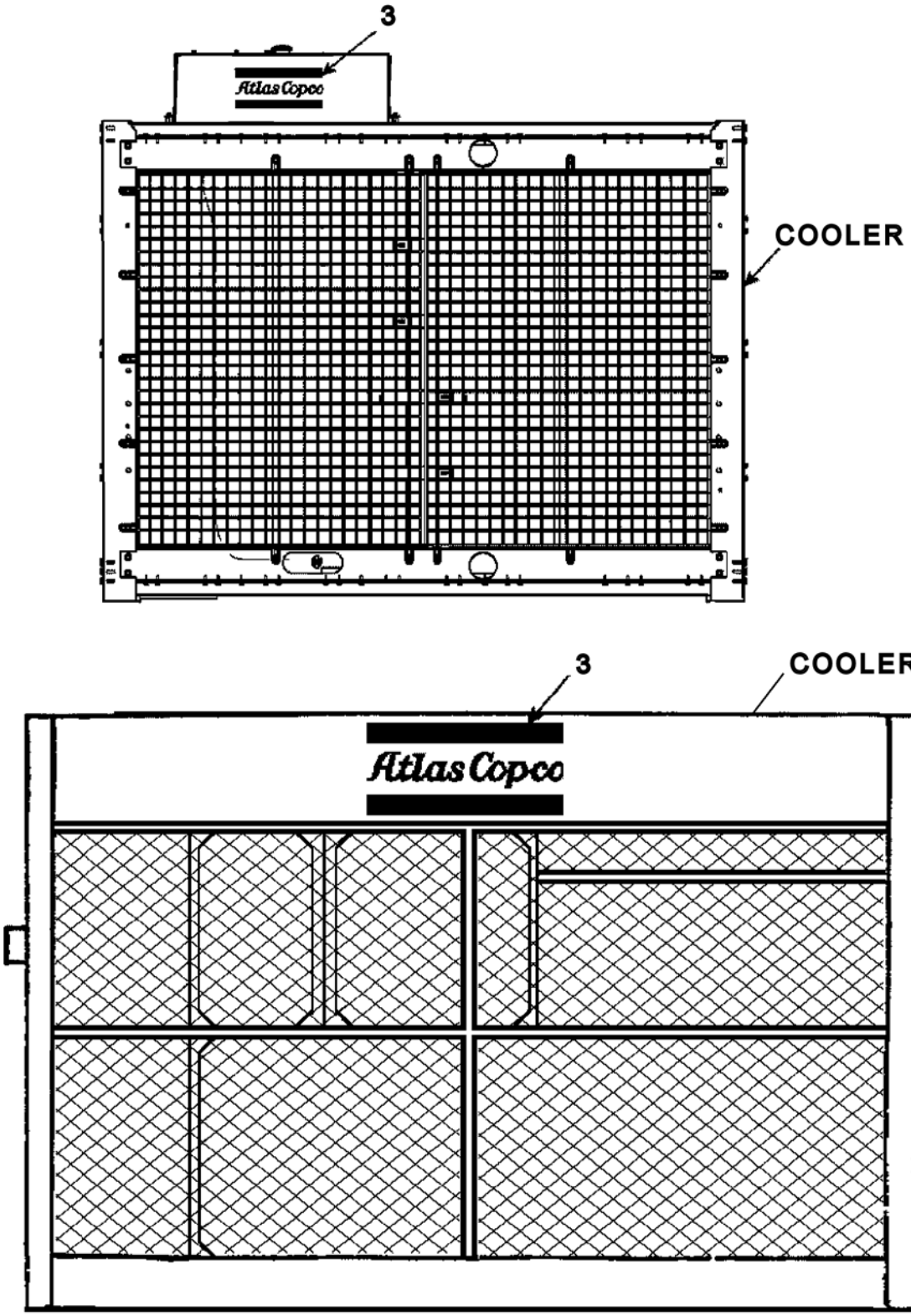
57911521 DECALS,F.R,RIG-DML



TB2657907974 REV 000

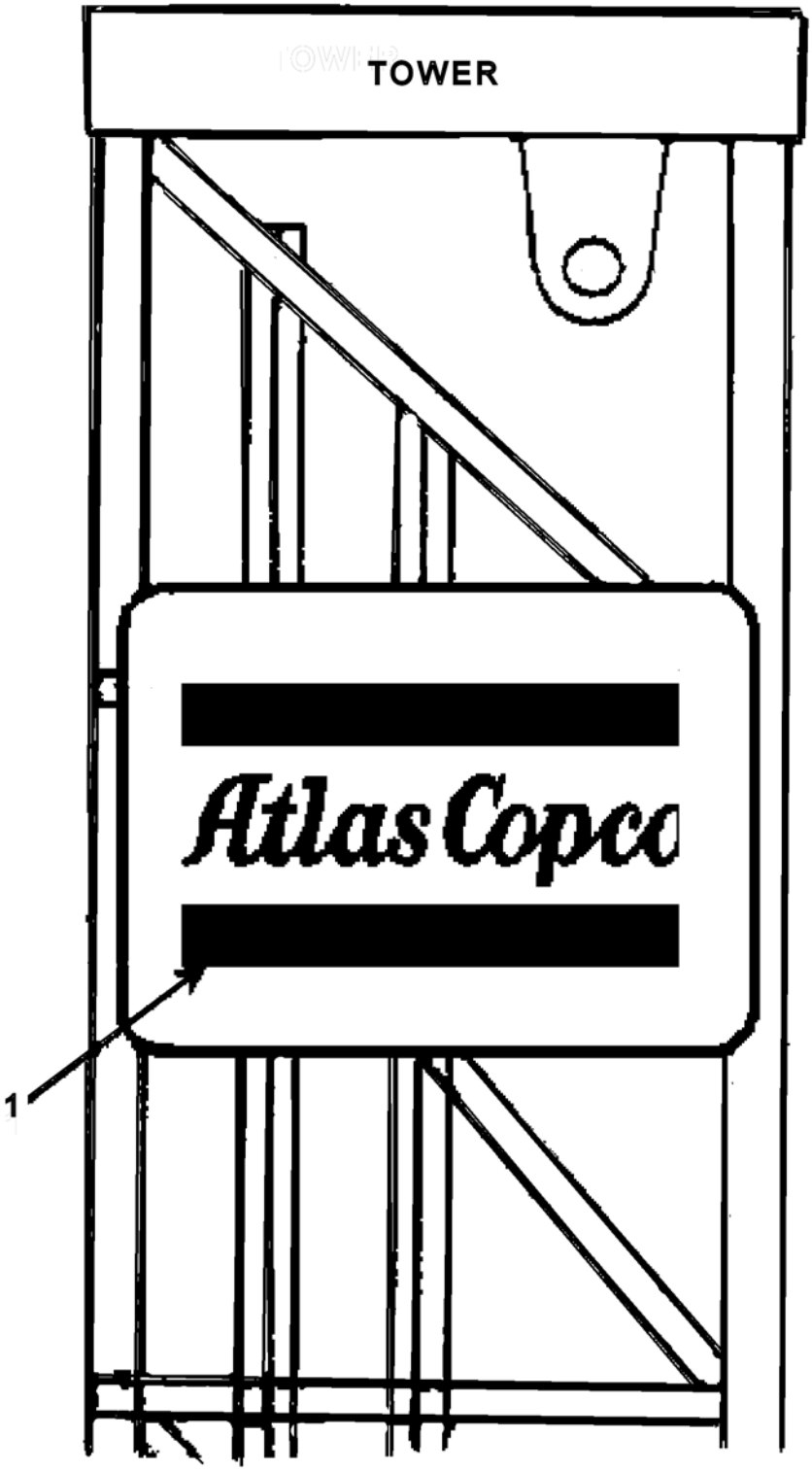
BOM 57911521

57911521 DECALS,F.R,RIG-DML



TB2657907974 REV 000

57911521 DECALS,F.R,RIG-DML



TB2657907974 REV 000

BOM 57911521

57911521 DECALS,F.R,RIG-DML

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57907917	1.0	EA	DECAL,AC LOGO,BLACK,24	
002.0	57895633	3.0	EA	DECAL,AC LOGO,BLACK,33	
003.0	57912594	1.0	EA	DECAL,AC,200MM,BLACK RF	
004.0	57895658	1.0	EA	DECAL,AC LOGO,WHITE,10	
005.0	57895666	1.0	EA	DECAL,AC WEBSITE,BLACK	
006.0	57911539	1.0	EA	DECAL,MACHINE,DML	
007.0	57911547	1.0	EA	DECAL,MACHINE,DML-SPLIT	

ACCESS8593 ACCESSORIES

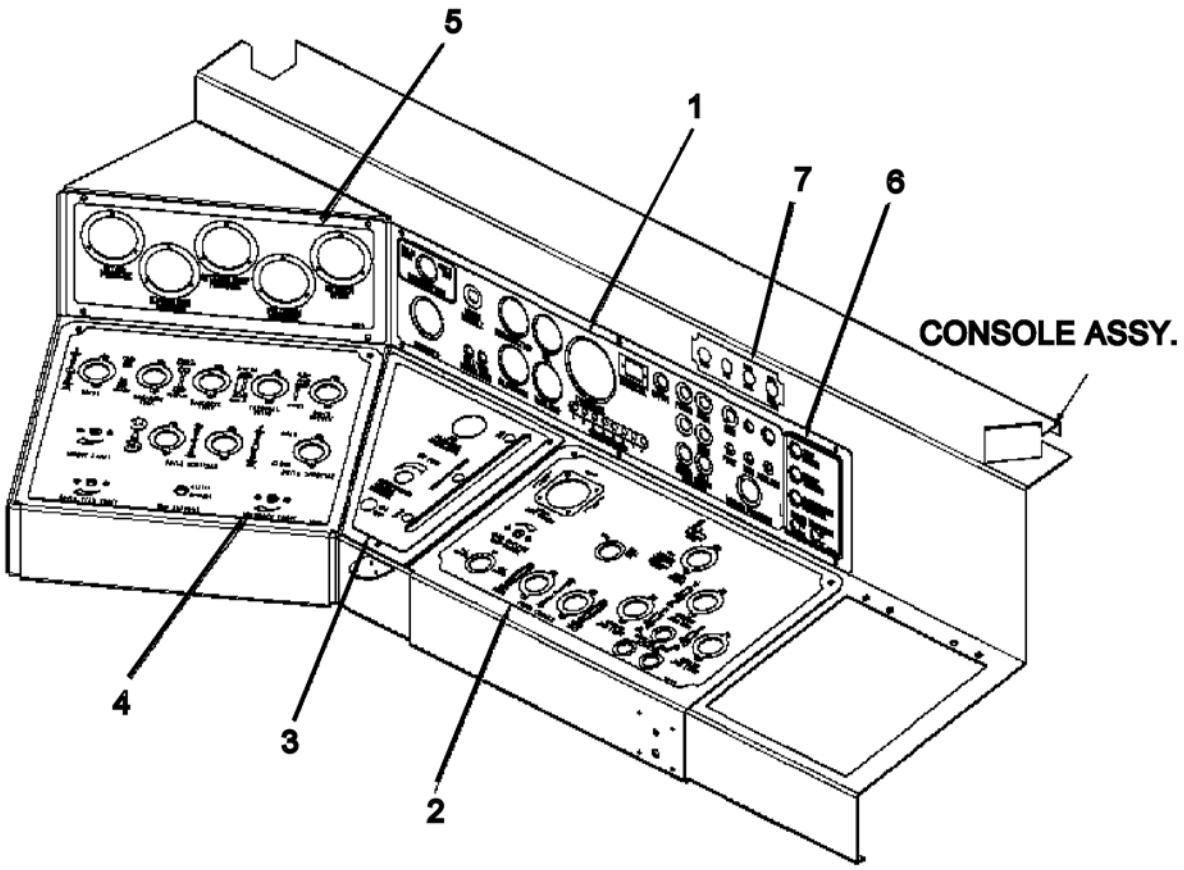
NONE REV 000

BOM ACCESS8593

ACCESS8593 ACCESSORIES

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57902512	1.0	EA	NPLATES,CUM LP,ENGL,BLK	**See Page 716**

57902512 NPLATES,CUM LP,ENGL,BLK



BOM 57902512

57902512 NPLATES,CUM LP,ENGL,BLK

REF.	PART NO.	QTY	UNIT	DESCRIPTION	NOTES
001.0	57829319	1.0	EA	DECAL,ENGINE,BLACK	
002.0	57895815	1.0	EA	DECAL,TRAM,BLACK	
003.0	57886848	1.0	EA	DECAL,COMP,BLACK	
004.0	57895948	1.0	EA	DECAL,DRILL,BLACK	
005.0	57886863	1.0	EA	DECAL,GAUGES,BLACK	
006.0	57893711	1.0	EA	DECAL,DIAG,CUM,BLACK	
007.0	57886889	1.0	EA	DECAL,AC/HTR,BLACK	

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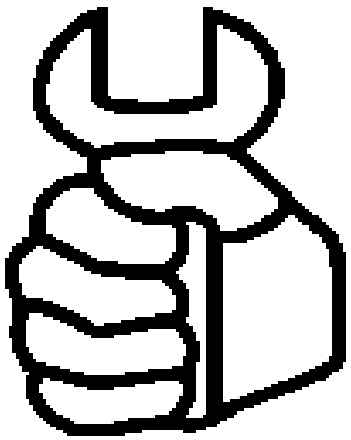

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