

Parts Manual



See "General Information"
for New Parts Manual
Features.

834G Wheel Tractor

BPC1-Up (Machine)
BNT1-Up (Engine)
3NY1-Up (Transmission)
5XT1-Up (Torque Converter)

Powered By 3456 Engine

Product and Dealer Information

Note: For product identification plate locations, see the section “Product Identification Information” in the Operation and Maintenance Manual.

Delivery Date: _____

Product Information

Model: _____

Product Identification Number: _____

Engine Serial Number: _____

Transmission Serial Number: _____

Generator Serial Number: _____

Attachment Serial Numbers: _____

Attachment Information: _____

Customer Equipment Number: _____

Dealer Equipment Number: _____

Dealer Information

Name: _____ Branch: _____

Address: _____

Dealer Contact

Phone Number

Hours

Sales: _____

Parts: _____

Service: _____

Informations produit et concessionnaire

Nota: Voir l'emplacement de la plaque signalétique du produit au chapitre "Informations produit" du guide d'utilisation et d'entretien.

Date de livraison: _____

Informations produit

Modèle: _____

Numéro d'identification produit: _____

Numéro de série du moteur: _____

Numéro de série de la boîte de vitesses: _____

Numéro de série de l'alternateur: _____

Numéros de série d'équipement: _____

Informations sur l'équipement: _____

Numéro matériel client: _____

Numéro matériel concessionnaire: _____

Informations concessionnaire

Nom: _____ Agence: _____

Adresse: _____

Contact concessionnaire

Numéro de téléphone

Heures

Ventes: _____

Pièces: _____

Service: _____

Información del Producto/Distribuidor

Nota: Para saber la ubicación de las placas de identificación del producto, ver la sección “Información sobre identificación del producto” en el Manual de Operación y Mantenimiento.

Fecha de entrega: _____

Información del producto

Modelo: _____

Número de identificación del producto: _____

Número de serie del motor: _____

Número de serie de la transmisión: _____

Número de serie del generador: _____

Números de serie de los accesorios: _____

Información sobre los accesorios: _____

Número del equipo del cliente: _____

Número del equipo del distribuidor: _____

Información del distribuidor

Nombre: _____ Sucursal: _____

Dirección: _____

	<u>Comunicación con el distribuidor</u>	<u>Número de teléfono</u>	<u>Horas</u>
Ventas:	_____	_____	_____
Piezas:	_____	_____	_____
Servicio:	_____	_____	_____

Informações Sobre Produto e Revendedor

Nota: Para localizações da placa de identificação do produto, consulte a seção, “Informações Sobre Identificação do Produto” no Manual de Operação e Manutenção.

Data de Entrega: _____

Informações Sobre o Produto

Modelo: _____

Número de Identificação do Produto: _____

Número de Série do Motor: _____

Número de Série da Transmissão: _____

Número de Série do Gerador: _____

Números de Série de Acessórios: _____

Informações Sobre Acessórios: _____

Número do Equipamento do Cliente: _____

Número do Equipamento do Revendedor: _____

Informações Sobre o Revendedor

Nome: _____ Filial: _____

Endereço: _____

Contato do Revendedor

Telefone

Horas

Vendas: _____

Peças: _____

Serviço: _____

Produkt- und Händlerinformation

Anmerkung: Für die Lage der Produkt-Identnummer und Seriennummern siehe Abschnitt "Produkt-Identinformation" im Betriebs- und Wartungshandbuch.

Lieferdatum: _____

Produkt-Identinformation

Modell: _____

Produkt-Identnummer: _____

Seriennummer des Motors: _____

Seriennummer des Getriebes: _____

Seriennummer des Generators: _____

Seriennummern der Arbeitsgeräte: _____

Arbeitsgeräteinformation: _____

Kundennummer: _____

Händlernummer: _____

Händlerinformation

Name: _____ Niederlassung: _____

Adresse: _____

Kontaktperson beim Händler

Telefon

Dienststunden

Verkauf: _____

Ersatzteile: _____

Service: _____

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GENERAL INFORMATION

1. MACHINE IDENTIFICATION

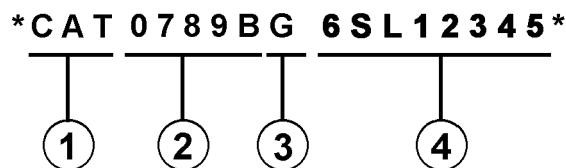
Caterpillar machines are identified by Product Identification Numbers (PIN). Some components included in a machine may be identified by Serial Numbers (S/N). Typical components that will be serialized include engines, transmissions, bulldozers, and rippers. The machine and engine are further identified by arrangement numbers and in some cases modification numbers. These numbers are shown on the product identification plate(s) and on the master plate in the operator's compartment.

Caterpillar dealers need all of these numbers to determine accurate parts identification.



New Feature

Effective First Quarter 2001 the Caterpillar Product Identification Number (PIN) will change from 8 to 17 characters. In an effort to provide uniform equipment identification, Caterpillar and other construction equipment manufacturers are moving to comply with the latest version of the product identification numbering standard. Non-road machine PINs are defined by ISO 10261. The new PIN format will apply to all Caterpillar machines and generator sets. The PIN plates and frame marking will display the 17 character PIN. The new format will look like the following:



Where:

1. Caterpillar's World Manufacturing Code (characters 1-3)
2. Machine Descriptor (characters 4-8)
3. Check Character (character 9)
4. Machine Indicator Section (MIS) or Product Sequence Number (characters 10-17). These were previously referred to as the Serial Number.

Machines and generator sets produced before First Quarter 2001 will maintain their 8 character PIN format.

Components such as engines, transmissions, axles, etc. and work tools will continue to use an 8 character Serial Number (S/N).

2. ORDERING PARTS



WARNING

When replacement parts are required for this product Caterpillar recommends using Caterpillar replacement parts or parts with equivalent specifications including, but not limited to, physical dimensions, type, strength and material.

Failure to heed this warning can lead to premature failures, product damage, personal injury or death.

Quality Caterpillar replacement parts are available from Caterpillar dealers throughout the world. Their parts inventories are up to date and include all parts normally required to protect your investment in Caterpillar machines. Dealers may offer repair kits or remanufactured parts to allow selection of the most effective repair alternative for a particular situation. When ordering parts, your order should specify the quantity, part number, part name, and the serial number/product identification number of the machine for which the parts are needed.

3. PARTS MANUAL ORGANIZATION

Product information in this manual is presented as "information elements" that represent all of the components for the specific model. Engine Arrangement and Seat Group are examples of information elements. The information elements are organized alphabetically by part name and secondarily by part number within each major section of the manual.

4. TABLE OF CONTENTS



New Feature

A table of contents (TOC) is found at the beginning of the manual. The TOC lists each section of the manual with a complete list of all information elements organized as they appear in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

5. MAINTENANCE PARTS INDEX

The Maintenance Parts Index, located near the beginning of the manual, references most frequently used maintenance part numbers, providing description, quantity, usage and page number. This information is organized alphabetically by part description.

GENERAL INFORMATION

6. INDEX

The index located near the front of the manual is an alphabetical listing of all information elements included in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

7. PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

8. CAPTIONS

Captions located at the top of each page of an information element identify the part number and part name along with additional descriptive information. PIN and S/N information found in each caption should be used to select correct information for a specific machine. Field replacement options, identification of optional attachment components, and where used ("part of") information is also provided.



New Feature

The first line of a caption is shown in larger type font to indicate the beginning of an information element. Captions for additional pages that may be required to illustrate an information element will be shown in standard type font and will include the term (*contd.*)

9. NON-SERVICED PARTS



New Feature

In some instances it is necessary to display non-serviced parts that are a link to a lower level serviceable consist lists. These non-serviced part numbers are shown in *italic* type indicating that they are not available.

10. PARTS LIST REFERENCE NUMBERS



New Feature

Numbers shown in the Ref No column correspond to numbers used in the associated graphic(s). An alphabetic suffix may be added to a reference number to identify lower level consist items. Numbers shown in the Graphic Ref column refer to the graphic number identifier displayed in the lower left corner of each illustration. The Graphic Ref number may be used in combination with the item Ref No to determine the correct part number. There may be intentional omission of a Ref No in a consist list as information is updated to reflect the latest serviceable part numbers.

11. INDENTED PART NAMES

When a part name is indented in a parts list, it is part of (included in) the group or assembly under which it is indented.

12. ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations contain reference letters (A, B, C etc.) that are intended to track lines and harnesses from one point to another. They are also used to show where to reconnect illustrations that have been separated.

13. ABBREVIATIONS AND SYMBOLS

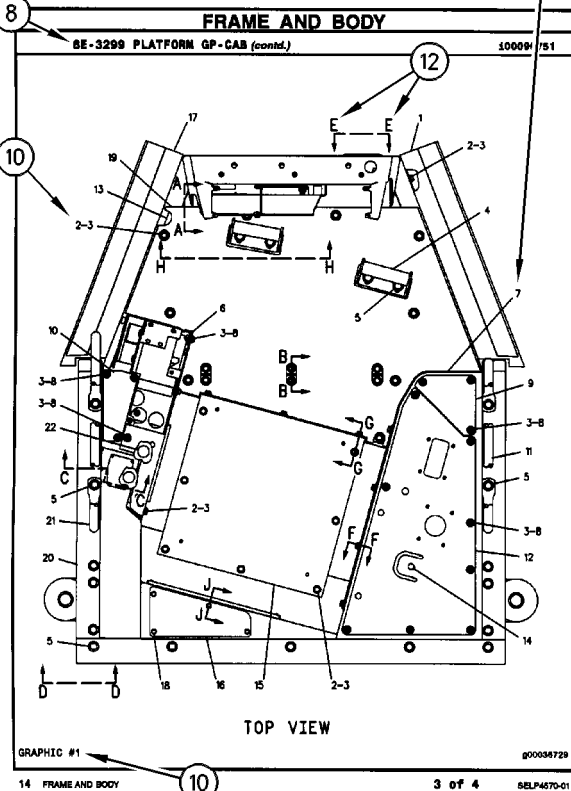
- O.D. – Outside Diameter
- I.D. – Inside Diameter
- A – Not Part Of This Group
- B – Use As Required
- C – Change From Previous Type
- D – Order By The Meter
- E – Order By The Centimeter
- F – Not Shown
- G – Order By The Inch
- I – See Hose Fabrication Guide
- M – Metric Part
- R – Remfg Part May Be Available
- Y – Separate Illustration
- Z – Not Serviced Separately

NOTE:

Continuing improvement and advancement of product design may cause changes to your machine which may not be included in this publication. Whenever a question arises regarding your Caterpillar product or this publication, please consult your Caterpillar dealer for the latest available information.

GENERAL INFORMATION

8 FRAME AND BODY 8E-3299 PLATFORM GP-CAB PIN 38X1-99999									
100090751									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 PRODUCT LEVEL			
									SEE PAGE
	1		31-3883	1	PLATE AS				
	2		8E-3082	25	BOLT (3/8-16X.750IN)				
	3		8E-1078	41	WASHER-HARD (.3MM THK)				
	4		8E-1464	2	SUPPORT AS-FOOT				
	5		8E-3229	18	BOLT (1/2-13X1IN)				
	6		8E-3274	18	WASHER-HARD (.4MM THK)				
	7		8E-3136	1	COVER AS-LH				
	8		8E-3273	8	NUT-WELD (3/8-16 THD)				
	9		1P-8189	1	CLIP				
	10		78-3411	4	COVER				
	11		8E-3489	18	SCREW-HEAD (3/8-16X.875IN)				
	12		8E-3074	1	COVER				
	13		8E-3072	1	GASKET				
	14		8E-3249	1	GASKET				
	15		8E-3250	1	GASKET				
	16		8E-3036	1	HANDHOLD				
	17		8E-3076	1	COVER AS				
	18		8E-3078	8	NUT-WELD (3/8-16 THD)				
	19		8E-3079	1	GASKET				
	20		7T-0181	1	FLOORPLATE AS				
	21		1P-0748	4	NUT-WELD (1/2-13 THD)				
	22		7T-0487	1	PLUG-BUTTON				
	23		7T-0186	1	PLATE AS				
	24		8E-3076	6	NUT-WELD (3/8-16 THD)				
	25		7T-0086	1	COVER				
	26		8E-3079	1	GASKET				
	27		8E-3081	1	PLATE AS				
	28		8E-3084	4	BOLT (1/4-20X.625IN)				
	29		8E-3085	4	WASHER-HARD (.2MM THK)				
	30		8E-3086	1	FLOOR MAT				
	31		8E-3087	1	MODULE AS-OPERATOR				
	32		8E-3088	1	HANDHOLD				
	33		8E-3089	2	PLUG				
	34		8E-3090	4	BOLT (1/4-20X.625IN)				
	35		8E-3091	4	WASHER-HARD (.2MM THK)				
	36		8E-3092	17	BOLT (3/8-16X.750IN)				
	37		8E-1078	21	WASHER-HARD (.3MM THK)				
	38		7T-0186	1	SEAL				
	39		7E-0378	2	BOLT (3/4-10X5IN)				
	40		7E-0482	2	WASHER-HARD (.8MM THK)				
	41		3T-3482	2	PLATE				
	42		3T-3580	1	PLATE AS				
	43		78-4828	6	SPACER				
	44		3T-3281	1	SEAL				
	45		78-8617	1	GASKET				
	46		78-8616	1	COVER AS				
	47		28-8278	2	WASHER				
	48		8E-3082	2	SCREW-KNURLED				
	49		8E-3429	1	COVER				
	50		8E-3087	1	COVER				
	51		8E-3091	8	SCREW-ROCKET HEAD				
	52		8E-3148	8	MOUNTING				
	53		8E-3082	2	PLATE				
	54		7E-0380	2	BOLT (7/8-9X5IN)				
	55		7E-0572	2	WASHER-HARD				
	56		4E-3454	4	BOLT (3/8-16X1.0IN)				
	57		3T-6788	1	COVER				



8E-3299 PLATFORM GP-CAB (cont'd.)									
100090751									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 PRODUCT LEVEL			
									SEE PAGE
	41		8E-3515	1	COVER				
	42		7T-0134	1	PLATE				
	43		7T-0136	1	GASKET				
	44		78-8724	1	GASKET				
	45		78-8723	1	COVER				
	46		8E-1859	2	PLUG-BUTTON				

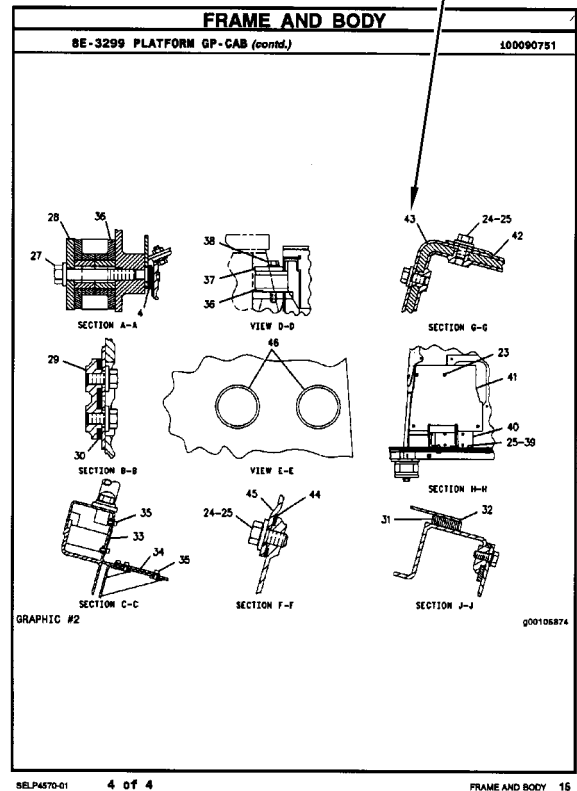
M-METRIC PART

13

10

SELPA470-01 2 OF 4

FRAME AND BODY 13



GÉNÉRALITÉS

1. IDENTIFICATION DE LA MACHINE

Toutes les machines Caterpillar portent un numéro d'identification (PIN). Certains composants des machines peuvent porter des numéros de série (S/N). En général, parmi les composants qui portent des numéros de série il y a les moteurs, les transmissions, les bulldozers et les rippers. En plus, la machine et le moteur peuvent recevoir des numéros de version, et dans certains cas, de modification. Ces numéros figurent sur les plaques de numéro de série et sur la plaque signalétique principale qui se trouve dans le poste de conduite.

Les concessionnaires Caterpillar doivent connaître tous ces numéros pour identifier correctement les pièces.



Nouvelle Caractéristique

À partir du premier trimestre 2001, le numéro d'identification produit (PIN) Caterpillar passe de 8 à 17 caractères. Afin de permettre une identification uniforme des matériels, Caterpillar et d'autres constructeurs de machines de travaux publics s'efforcent de se conformer à la norme la plus récente portant sur les numéros d'identification des produits. Les numéros d'identification (PIN) de machines de chantier sont définis par la norme ISO 10261. Le nouveau format du numéro d'identification est valable pour toutes les machines et tous les groupes électrogènes Caterpillar. Le numéro d'identification produit (PIN) figurant sur la plaque et sur le châssis se composera de 17 caractères. Le nouveau format ressemblera à ceci:

*** C A T 0 7 8 9 B G 6 S L 1 2 3 4 5 ***

1 2 3 4

Il se décomposera de la façon suivante:

1. Code international de fabrication de Caterpillar (caractères 1 à 3)
2. Descriptif de la machine (caractères 4 à 8)
3. Contrôle (caractère 9)
4. Indicateur machine (MIS) ou numéro de séquence produit (caractères 10 à 17). Ceux-ci étaient auparavant désignés sous le terme de numéro de série.

Les machines et les groupes électrogènes construits avant le premier trimestre 2001 garderont le format à 8 caractères du numéro d'identification produit (PIN).

Les organes tels que les moteurs, les boîtes de vitesses, les essieux, etc., continueront d'être désignés par un numéro de série (S/N) à 8 caractères.

2. COMMANDE DE PIÈCES



Lorsqu'il faut remplacer des pièces de rechange pour ce produit Caterpillar recommande d'utiliser les pièces de rechange Caterpillar ou les pièces qui ont des spécifications équivalentes dont les dimensions physiques, le type, la force et le matériau. Ces équivalences ne se limitent pas à l'énoncé précédent.

L'inobservation de cette mise en garde peut entraîner des défaillances prématurées, des dommages au produit, des blessures ou même la mort.

Les concessionnaires Caterpillar fournissent dans le monde entier des pièces de rechange de qualité Caterpillar. Leurs stocks de pièces sont constamment réapprovisionnés et comptent toutes les pièces nécessaires pour assurer la bonne marche de vos machines Caterpillar. Certains concessionnaires proposent également des kits de réparation ou des pièces rénovées, ce qui permet de choisir la solution la plus économique dans une situation donnée. Lors des commandes de pièces, mentionner la quantité, le numéro et la désignation des pièces ainsi que le numéro de série ou le numéro d'identification (PIN) de la machine pour laquelle ces pièces sont requises.

3. ORGANISATION DU CATALOGUE DE PIÈCES

Les renseignements sur les produits sont présentés sous forme de "Information element" (élément d'information) représentant tous les composants d'un modèle donné. "Engine Arrangement" (version de moteur) et "Seat Group" (assemblage de siège) sont des exemples d'éléments d'information. Les éléments d'information sont classés par ordre alphabétique par la désignation standard des pièces et par numéros de pièces dans chaque partie importante du manuel.

4. TABLE DES MATIÈRES



Nouvelle Caractéristique

La table des matières se trouve au début du manuel. La table des matières fournit la liste de tous les chapitres du manuel avec une liste complète de tous les éléments d'information classés par ordre d'apparition dans le manuel. Les numéros de page sont fournis afin que l'utilisateur puisse trouver rapidement les illustrations détaillées concernant l'identification des pièces et les listes des pièces d'entretien.

5. INDEX DES PIÈCES D'ENTRETIEN

La rubrique "Index des pièces d'entretien" qui se trouve au début du manuel renvoie aux pièces d'entretien les plus fréquemment utilisées en précisant la désignation, la quantité, là où la pièce est utilisée et le numéro de page. Ces pièces sont classés par ordre alphabétique.

6. INDEX

L'index qui se trouve vers le début du manuel est une liste alphabétique de tous les éléments d'information du manuel. Les numéros de page sont fournis afin que l'utilisateur puisse trouver rapidement les illustrations détaillées concernant l'identification des pièces et les listes des pièces d'entretien.

7. INDEX DES NUMÉROS DE PIÈCES

Une liste numérique de tous les numéros de pièces et des pages correspondantes se trouve à la fin du manuel.

8. LÉGENDES

Les légendes qui se trouvent en haut de chaque page de chaque élément d'information fournissent le numéro de pièce, la désignation ainsi que des renseignements supplémentaires sur les pièces. Les renseignements concernant les numéros de série (S/N) qui se trouvent dans chaque légende doivent être utilisés pour sélectionner les informations correctes pour un moteur donné. Les informations concernant les options de remplacement sur le chantier, l'identification des composants des équipements offerts en option et les lieux d'application sont aussi fournies.



Nouvelle Caractéristique

Les lettres de la première ligne d'une légende sont présentées en police plus grande afin d'indiquer le début d'une unité d'information. Les légendes qui pourraient être requises pour des pages supplémentaires afin d'illustrer une unité d'information seront présentées en police standard et comprendront le terme (à suivre).

9. PIÈCES NON FOURNIES



Nouvelle Caractéristique

Dans certains cas, il est nécessaire d'indiquer les pièces non fournies qui sont en aval de la liste des pièces d'entretien. Les numéros des pièces non fournies dans la liste des pièces et les légendes seront en italique pour signaler qu'ils ne sont pas disponibles.

10. NUMÉROS DE RÉFÉRENCE DE LA LISTE DES PIÈCES



Nouvelle Caractéristique

Les numéros indiqués dans la colonne des numéros de références correspondent aux numéros utilisés dans les illustrations auxquelles ils sont associés. Un suffixe alphabétique peut être ajouté à un numéro de référence pour identifier la liste des articles en aval. Les numéros indiqués dans la colonne de référence de l'illustration renvoient à l'identification du numéro affiché dans le coin inférieur gauche de chaque illustration. Le numéro de référence de l'illustration pourrait être utilisé avec le numéro de référence de l'article pour déterminer le numéro de pièce correct. Il peut y avoir une omission intentionnelle d'un numéro de référence dans une liste de pièces suite à la mise à jour des informations en vue de refléter les numéros de pièces les plus récentes.

11. DÉSIGNATIONS DE PIÈCES EN RETRAIT

Lorsqu'une désignation de pièce est en retrait, cela veut dire que l'article en regard fait partie de l'ensemble sous lequel il figure.

12. LETTRES DE RÉFÉRENCE DES ILLUSTRATIONS

Quand cela est nécessaire, les illustrations comportent des lettres de référence (A, B, C, etc.) pour montrer le trajet des canalisations et faisceaux de câbles d'un point à l'autre. Elles sont utilisées également pour indiquer où relier les illustrations séparées auparavant.

13. ABRÉVIATIONS ET SYMBOLES

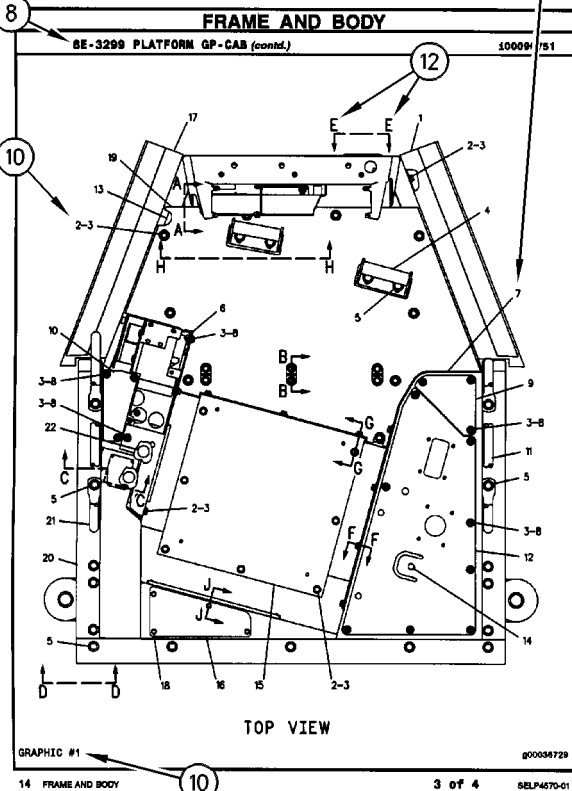
- O.D. – Diamètre extérieur
- I.D. – Diamètre intérieur
- A – Ne fait pas partie de ce groupe
- B – Utiliser selon besoin
- C – Modification
- D – Commander par mètre
- E – Commander par centimètre
- F – Non représenté
- G – Commander par pouce
- I – Voir "Hose Fabrication Guide"
- M – Pièce métrique
- R – Pièce rénovée éventuellement disponible
- Y – Illustration séparée
- Z – Non fourni séparément

NOTA:

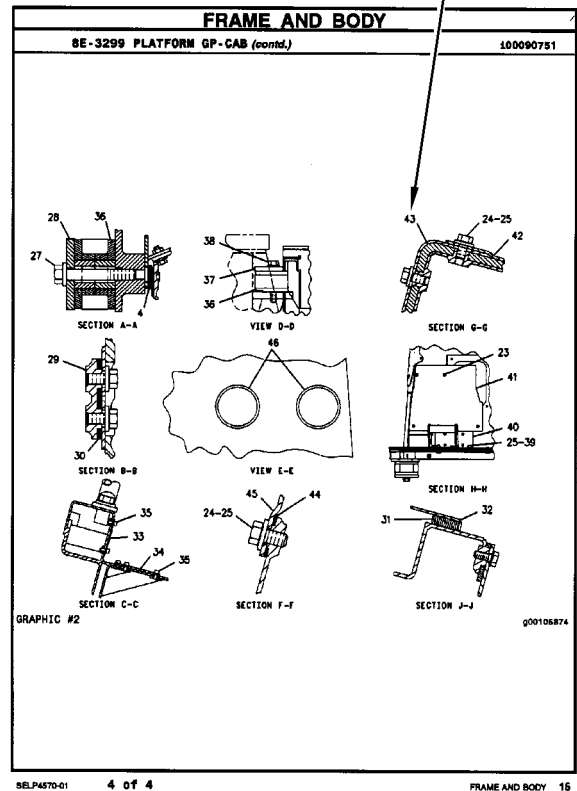
En raison du progrès technique et des améliorations continues apportées au matériel, votre machine comporte peut-être des modifications qui n'apparaissent pas dans la présente publication. En cas de doute sur un détail de votre machine Caterpillar ou sur le texte de la présente publication, adressez-vous à votre concessionnaire Caterpillar.

GÉNÉRALITÉS

FRAME AND BODY									
8E-3299 PLATFORM GP-CAB									
PIN 38X1-99000									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 PRODUCT LEVEL	100090751	SEE PAGE	
	1		31-3882	1	PLATE AS				
	2		8E-3082	25	BOLT (3/8-16X.750IN)				
	3		8E-1078	41	WASHER-HARD (3MM THK)				
	4		8E-1464	2	SUPPORT AS-FOOT				
	5		8E-2229	18	BOLT (1/2-13X1IN)				
	6		8E-1978	18	WASHER-HARD (4MM THK)				
	7		8E-0136	1	COVER AS-LH				
	8		8E-0173	8	NUT-WELD (3/8-16 THD)				
	9		1P-0189	1	CLIP				
	10		78-2411	4	COVER				
	11		8E-0489	18	SCREW-HEAD (3/8-16X.875IN)				
	12		8E-0174	1	COVER				
	13		8E-0172	1	GASKET				
	14		8E-3249	1	GASKET				
	15		8E-3249	1	GASKET				
	16		8E-3249	1	GASKET				
	17		8E-3249	1	GASKET				
	18		8E-3249	1	GASKET				
	19		8E-3249	1	GASKET				
	20		8E-3249	1	GASKET				
	21		8E-3249	1	GASKET				
	22		8E-3249	1	GASKET				
	23		8E-3249	1	GASKET				
	24		8E-3249	1	GASKET				
	25		8E-3249	1	GASKET				
	26		8E-3249	1	GASKET				
	27		8E-3249	1	GASKET				
	28		8E-3249	1	GASKET				
	29		8E-3249	1	GASKET				
	30		8E-3249	1	GASKET				
	31		8E-3249	1	GASKET				
	32		8E-3249	1	GASKET				
	33		8E-3249	1	GASKET				
	34		8E-3249	1	GASKET				
	35		8E-3249	1	GASKET				
	36		8E-3249	1	GASKET				
	37		8E-3249	1	GASKET				
	38		8E-3249	1	GASKET				
	39		8E-3249	1	GASKET				
	40		8E-3249	1	GASKET				
	41		8E-3249	1	GASKET				
	42		8E-3249	1	GASKET				
	43		8E-3249	1	GASKET				
	44		8E-3249	1	GASKET				
	45		8E-3249	1	GASKET				
	46		8E-3249	1	GASKET				
	47		8E-3249	1	GASKET				
	48		8E-3249	1	GASKET				
	49		8E-3249	1	GASKET				
	50		8E-3249	1	GASKET				



FRAME AND BODY									
8E-3299 PLATFORM GP-CAB (contd.)									
100090751									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 PRODUCT LEVEL	100090751	SEE PAGE	
	41		8E-2515	1	COVER				
	42		7T-0134	1	PLATE				
	43		7T-0136	1	GASKET				
	44		78-0124	1	GASKET				
	45		78-0123	1	COVER				
	46		8E-1959	2	PLUG-BUTTON				
H-METRIC PART									



INFORMACIÓN GENERAL

1. MÁQUINAS

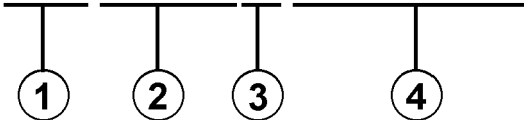
Las máquinas Caterpillar se identifican con Números de Identificación del Producto (PIN). Algunos componentes incluidos en la máquina pueden estar identificados con Números de Serie (N/S). Los componentes que tienen típicamente esta identificación incluyen motores, transmisiones, hojas topadoras y desgarradores. La máquina y el motor se identifican además con Números de Configuración y en algunos casos, Números de Modificación. Estos números están en las placas de identificación del producto o en la placa principal en la cabina del operador.

Los distribuidores Caterpillar necesitan estos números para identificar con exactitud los números de piezas de repuesto.

Nueva Característica

A partir del primer trimestre del 2001, el Número de Identificación de Producto (PIN) de Caterpillar cambiará de 8 a 17 caracteres. Para hacer más uniforme el método de identificación de equipos, Caterpillar y otros fabricantes de equipo de construcción han tomado medidas para cumplir con la versión más reciente de la norma de numeración de identificación de productos. Los Números de Identificación de Producto para máquinas que no se operan en carreteras son definidos por la norma ISO 10261. El nuevo formato PIN corresponderá a todas las máquinas y grupos electrógenos Caterpillar. Las placas y los caracteres PIN estampados en el bastidor mostrarán el PIN de 17 caracteres. El nuevo formato tendrá la apariencia siguiente:

CAT 0789BG 6SL12345



The diagram shows the PIN structure: *CAT 0789BG 6SL12345*. Brackets are placed under the characters: CAT (characters 1-3), 0789 (characters 4-8), BG (characters 9-10), 6 (character 11), SL (characters 12-13), 12345 (characters 14-18). Below these brackets are numbered circles 1, 2, 3, and 4, corresponding to the descriptions in the list below.

Significado de los caracteres:

1. Código de Fabricación Mundial de Caterpillar (caracteres 1-3)
2. Sección Descriptor de la Máquina (caracteres 4-8)
3. Carácter de Verificación (carácter 9)

4. Sección Indicador de la Máquina (MIS) o Número de Secuencia de Producto (caracteres 10-17). Anteriormente, estos caracteres constituían el Número de Serie.

Las máquinas y grupos electrógenos producidos antes del primer semestre del 2001 mantendrán su formato PIN de 8 caracteres.

Los componentes como motores, transmisiones, ejes, herramientas de trabajo, etc., continuarán usando un Número de Serie (S/N) de 8 caracteres.

2. COMO PEDIR REPUESTOS

ADVERTENCIA

Cuando se necesiten piezas de repuesto para este producto, Caterpillar recomienda usar piezas de repuesto Caterpillar o piezas que tengan especificaciones equivalentes incluyendo, pero sin estar limitadas a, dimensiones físicas, tipo, fortaleza y material.

El no hacer caso de esta advertencia puede llevar a fallas prematuras, daños al producto y lesiones graves o mortales.

Las piezas de repuesto Caterpillar de calidad están a la disposición de los distribuidores Caterpillar en todo el mundo. Sus existencias actualizadas incluyen todas las piezas normalmente requeridas para proteger su inversión en máquinas Caterpillar. Los distribuidores pueden tener juegos de reparación o piezas remanufacturadas para permitir la selección de la mejor alternativa de reparación en un caso en particular. Al pedir piezas de repuesto, especifique en su pedido la cantidad, el número de pieza, el nombre de la pieza y el número de serie/número de identificación del producto, de la máquina para la cual se necesitan estas piezas.

3. ORGANIZACION DEL MANUAL DE PIEZAS

La información sobre el producto, se presenta en este manual, como "elementos de información" que representan todos los componentes de un modelo específico. Las configuraciones de motores y los grupos de asientos son ejemplos de elementos de información. Los elementos de información están organizados primeramente por nombres de piezas en orden alfabético y en segundo lugar, por el número de pieza dentro de cada sección principal del manual.

4. CONTENIDO



Nueva Característica

La página de Contenido se encuentra al principio del manual. El Contenido indica cada sección del manual con una lista completa de todos los elementos de información organizados en el orden que aparecen en el manual. Los números de página proporcionan una referencia rápida a las ilustraciones detalladas de identificación de piezas y a las listas de componentes de repuesto de dichas piezas.

5. ÍNDICE DE PIEZAS DE MANTENIMIENTO

Al principio de este catálogo se encuentra un índice de los números de piezas utilizadas más frecuentemente para el mantenimiento, que incluye descripción, cantidad necesaria, lugar de utilización y número de página. Esta información está organizada alfabéticamente, por descripción de la pieza.

6. ÍNDICE

El Índice, ubicado cerca del principio del manual, es una lista en orden alfabético de todos los elementos de información incluidos en el manual. Los números de página proporcionan una referencia rápida a las ilustraciones detalladas de identificación de piezas y a las listas de componentes de repuesto de dichas piezas.

7. INDICE NUMÉRICO DE PIEZAS

Un índice numérico de piezas con el correspondiente número de página aparece al final de este catálogo.

8. TÍTULOS

Los títulos ubicados en la parte superior de cada página de elementos de información identifican el número y el nombre de la pieza junto con información descriptiva adicional para ayudar al usuario a determinar las piezas necesarias para una máquina en particular. También se suministra información sobre las opciones de reparación en el campo, la identificación de componentes de accesorios optativos y el lugar de ubicación de la pieza ("es parte de").



Nueva Característica

La primera línea del título se muestra con un tipo de letra más grande para indicar el comienzo de un elemento de información. Si se requieren páginas adicionales para ilustrar un elemento de información, los títulos se muestran con un tipo de letra normal y la continuación se indica entre paréntesis.

9. PIEZAS QUE NO SE SUMINISTRAN COMO REPUESTO



Nueva Característica

En algunos casos es necesario indicar piezas que no se suministran como repuesto pero que pueden estar conectadas a listas de componentes de otras piezas de repuesto. En tal caso, dichas piezas se muestran en cursiva para indicar que no son piezas disponibles.

10. NÚMEROS DE REFERENCIA



Nueva Característica

Los números en la columna de No. de Referencia corresponden a los números indicados en la ilustración que pertenece a ese número de pieza. Los números que tienen un sufijo alfabético identifican artículos de las listas de componentes de piezas. Los números en la columna de Referencia de la ilustración se identifican en la esquina inferior izquierda de cada ilustración. Para determinar el número de pieza correcto se puede utilizar tanto el No. de Referencia de la ilustración como el No. de Referencia del artículo. A medida que se actualiza la información para indicar los más recientes números de piezas de repuesto, puede omitirse intencionalmente un No. de Referencia en una lista de componentes de piezas.

11. NOMBRES DE PIEZA SANGRADOS

Cuando el nombre de una pieza está sangrado en una lista, significa que esta pieza forma parte del grupo o conjunto del renglón inmediatamente superior.

12. LETRAS DE REFERENCIA DE ILUSTRACIONES

Las ilustraciones contienen algunas veces letras de referencia (A, B, C etc.) cuyo propósito es seguir el trayecto de líneas y mazos de cables de un punto a otro. También se utilizan para mostrar dónde volver a unir ilustraciones que se habían separado.

INFORMACIÓN GENERAL

13. ABREVIATURAS Y SIMBOLOS

O.D. – Diámetro exterior

I.D. – Diámetro interior

A – No es pieza de este grupo

B – Utilizado según la demanda

C – Indica cambio

D – Se pide por metro

E – Se pide por centímetro

F – No se muestra

G – Se pide por pulgada

I – Ver "Hose Fabrication Guide"

M – Pieza métrica

R – Puede estar disponible como pieza remanufacturada

Y – Ilustración separada

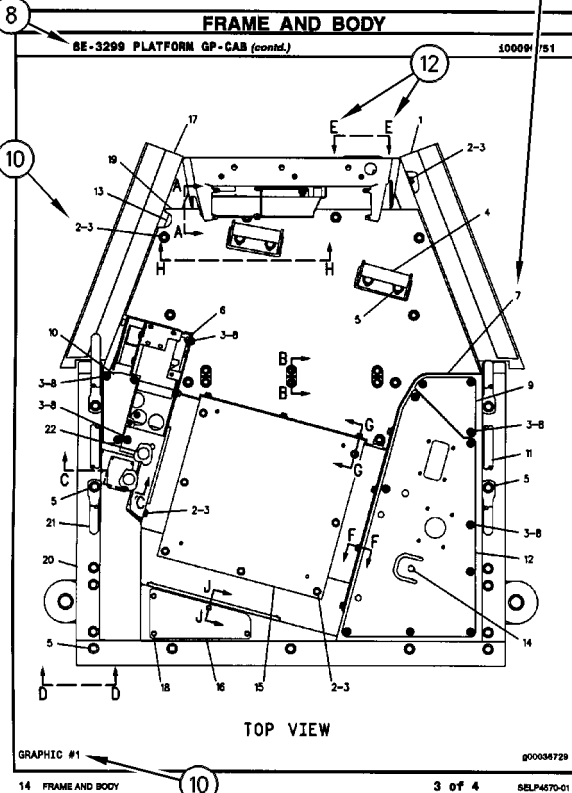
Z – No se suministra por separado

NOTA:

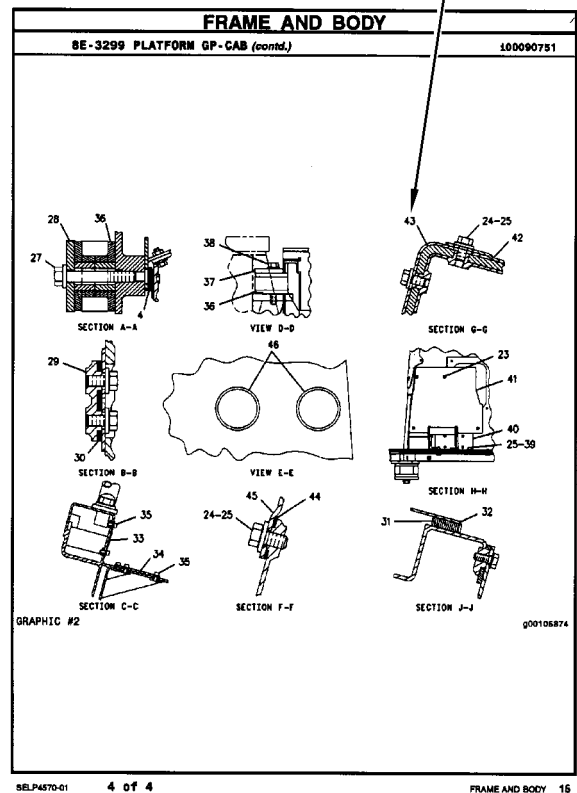
Las continuas mejoras y adelantos en diseño podrían originar cambios a su máquina que no se incluyen en esta publicación. Cuando tenga alguna pregunta acerca de su producto Caterpillar o de esta publicación, consulte al distribuidor Caterpillar para obtener la información más reciente.

INFORMACIÓN GENERAL

FRAME AND BODY									
8E-3299 PLATFORM GP-CAB									
PIN 38X1-99999									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 PRODUCT LEVEL	100090751	SEE PAGE	
	1		31-3882	1	PLATE AS				
	2		8E-3082	25	BOLT (3/8-16X.750IN)				
	3		8E-1078	41	WASHER-HARD (3MM THK)				
	4		8E-1464	2	SUPPORT AS-2007				
	5		8E-2229	18	BOLT (1/2-13X1IN)				
	6		8E-1978	18	WASHER-HARD (4MM THK)				
	7		8E-0136	1	COVER AS-LH				
	8		8E-0173	8	NUT-WELD (3/8-16 THD)				
	9		1P-0189	1	CLIP				
	10		78-2411	4	COVER				
	11		8E-0489	18	SCREW-HEAD (3/8-16X.875IN)				
	12		8E-0774	1	COVER				
	13		8E-0912	1	GASKET				
	14		8E-3249	1	GASKET				
	15		8E-3249	1	GASKET				
	16		8E-3249	1	GASKET				
	17		8E-3249	1	GASKET				
	18		8E-3249	1	GASKET				
	19		8E-3249	1	GASKET				
	20		8E-3249	1	GASKET				
	21		8E-3249	1	GASKET				
	22		8E-3249	1	GASKET				
	23		8E-3249	1	GASKET				
	24		8E-3249	1	GASKET				
	25		8E-3249	1	GASKET				
	26		8E-3249	1	GASKET				
	27		8E-3249	1	GASKET				
	28		8E-3249	1	GASKET				
	29		8E-3249	1	GASKET				
	30		8E-3249	1	GASKET				
	31		8E-3249	1	GASKET				
	32		8E-3249	1	GASKET				
	33		8E-3249	1	GASKET				
	34		8E-3249	1	GASKET				
	35		8E-3249	1	GASKET				
	36		8E-3249	1	GASKET				
	37		8E-3249	1	GASKET				
	38		8E-3249	1	GASKET				
	39		8E-3249	1	GASKET				
	40		8E-3249	1	GASKET				
	41		8E-3249	1	GASKET				
	42		8E-3249	1	GASKET				
	43		8E-3249	1	GASKET				
	44		8E-3249	1	GASKET				
	45		8E-3249	1	GASKET				
	46		8E-3249	1	GASKET				
	47		8E-3249	1	GASKET				
	48		8E-3249	1	GASKET				
	49		8E-3249	1	GASKET				
	50		8E-3249	1	GASKET				



FRAME AND BODY									
8E-3299 PLATFORM GP-CAB (contd.)									
100090751									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 PRODUCT LEVEL	100090751	SEE PAGE	
	41		8E-2515	1	COVER				
	42		7T-0134	1	PLATE				
	43		7T-0136	1	GASKET				
	44		78-0724	1	GASKET				
	45		78-0723	1	COVER				
	46		8E-1959	2	PLUG-BUTTON				
H-METRIC PART									



INFORMAÇÃO GERAL

1. IDENTIFICAÇÃO DA MÁQUINA

As máquinas Caterpillar são identificadas pelos Números de Informação do Produto (PIN). Alguns componentes incluídos numa máquina podem ser identificados por Números de Série (S/N). Componentes típicos que serão enumerados com números de série incluem motores, transmissões, lâminas e ríperes. Além do número de série, a máquina e o motor são ainda identificados por números de arranjo e, em alguns casos, números de modificações. Tais números encontram-se na(s) placa(s) de identificação do produto e na placa mestre no compartimento do operador.

Novidades

A partir do primeiro trimestre de 2001 o Número de Identificação de Produto da Caterpillar (PIN) vai mudar de 8 para 17 caracteres. Esforçando-se para fornecer uma identificação uniforme de equipamentos, a Caterpillar e outros fabricantes de equipamento de construção estão mudando para atender a versão mais atualizada do padrão de identificação de produtos. Os números de PIN para produtos de aplicações não rodoviárias são definidos pela ISO 10261. O novo formato de número PIN será adotado em todas as máquinas e grupos geradores Caterpillar. As placas e as marcações do chassi mostrarão os 17 dígitos de PIN. O novo formato terá a seguinte disposição:

* C A T 0 7 8 9 B G 6 S L 1 2 3 4 5 *

1 2 3 4

Onde:

1. Código de Fabricação Mundial da Caterpillar (dígitos 1-3)
2. Descrição da Máquina (dígitos 4-8)
3. Dígito de Verificação (dígito 9)
4. Seção de Indicador da Máquina (MIS) ou Número de Seqüência de Produto (dígitos 10-17). Estes eram anteriormente chamados de Número de Série.

Máquinas e grupos geradores produzidos antes do primeiro trimestre de 2001 manterão o formato de 8 caracteres de PIN.

Componentes como motores, transmissões, eixos, ferramentas de trabalho, etc. continuarão a usar Número de Série (S/N) com oito caracteres.

2. COMO OBTER PEÇAS

CUIDADO

Quando peças de substituição são exigidas para este produto, a Caterpillar recomenda a utilização de peças de substituição Caterpillar ou peças com as especificações equivalentes incluindo, mas não limitadas, à dimensões físicas, tipos, resistência e materiais.

A inobservância desta advertência poderá resultar em falhas prematuras, danos ao produto, ferimentos ou morte.

As Peças de Reposição de Qualidade Caterpillar encontram-se disponíveis nos revendedores Caterpillar no mundo inteiro. Seus estoques de peças são atualizados e incluem todas as peças normalmente necessárias para proteger seu investimento em máquinas Caterpillar. Alguns revendedores podem oferecer jogos de reparo ou peças de troca/remanufaturadas disponíveis como uma opção da alternativa de reparo mais eficaz para uma situação específica. Ao encomendar peças, seu pedido deve especificar a quantidade, o número e o nome da peça e o número de série/número de identificação do produto referentes à máquina para a qual as peças se destinam.

3. ORGANIZAÇÃO DO MANUAL DE PEÇAS

A informação do produto neste manual é apresentada em forma de "elementos de informação" que representam todos os componentes para o modelo específico. Arranjo de Motor e Grupo de Assento são exemplos de elementos de informação. Os elementos de informação são organizados em ordem alfabética por nome de peça ou secundariamente, por número de peça incluído em cada seção principal do manual.

4. LISTA DE CONTEÚDOS

Novidades

A Lista de Conteúdos (TOC) se encontra no princípio do manual. A Lista de Conteúdos (TOC) relaciona em cada seção do manual uma lista completa com todos os elementos de informação organizados conforme aparecem no manual. Números de página são fornecidos para que se tenha referência rápida de ilustrações de peças detalhadas e listas de conteúdos que podem receber serviço de manutenção.

5. ÍNDICE DE PEÇAS DE MANUTENÇÃO

O Índice de Peças de Manutenção, localizado perto do princípio do manual, faz referência aos números de peça de manutenção usados com maior frequência, fornecendo uma descrição, a quantidade, o uso e o número de página. Esta informação é organizada com a descrição da peça em ordem alfabética.

6. ÍNDICE

O Índice localizado perto do princípio do manual, consiste de uma lista em ordem alfabética de todos os elementos de informação incluídos no manual. Números de página são fornecidos para que se tenha referência rápida de ilustrações de peças detalhadas e listas de conteúdos que podem receber serviço de manutenção.

7. ÍNDICE DE NÚMERO DE PEÇA

Um índice numérico relacionando todos os números de peça e a(s) página(s) correspondentes, aparece no final do manual.

8. LEGENDAS

As legendas localizadas na parte de cima de cada página de um elemento de informação identifica o número de peça e o nome da peça, juntamente com informação descritiva adicional. Informações sobre o Número de Informação do Produto (PIN) e o Número de Série (S/N) encontradas em cada legenda devem ser usadas para selecionar a informação correta sobre uma máquina específica. Opções de substituição no campo, identificação de componentes de acessórios opcionais e informações sobre onde são utilizados ("parte de") são também fornecidas.



Novidades

A primeira linha de uma legenda é indicada em tipo maior para indicar o princípio de um elemento de informação. Legendas para páginas adicionais que podem ser necessárias para ilustrar um elemento de informação serão apresentadas em tipo padrão e incluirão o termo (*continua*) .

9. NÃO DISPONÍVEL SEPARADAMENTE



Novidades

Em alguns casos, é necessário mostrar peças não disponíveis separadamente que têm uma ligação com listas de conteúdos de nível inferior que podem receber serviço de manutenção. Os números de peça destes componentes não disponíveis aparecerão em *italico* , a fim de indicar que não estão disponíveis.

10. NÚMEROS DE REFERÊNCIA À LISTA DE PEÇAS



Novidades

Os números indicados na coluna Ref No (No. de Referência) correspondem-se aos números usados no(s) gráfico(s) correspondente(s). Um sufixo com letras pode ser acrescentado a um número de referência para identificar itens de conteúdo de nível inferior. Os números indicados na coluna Graphic Ref (Referência de Gráfico) referem-se ao identificador de número de gráfico presente no canto esquerdo inferior de cada ilustração. O número de Referência de Gráfico pode ser usado em combinação com o item Ref No para determinar-se o número de peça correto. Poderá haver omissão intencional de um número de referência (Ref No) de uma lista de conteúdos uma vez que as informações são atualizadas para refletir os números de peça mais recentes que podem receber serviço de manutenção.

11. NOMES DE PEÇAS DESALINHADOS

Quando um nome de peça encontra-se desalinhado numa lista de peças, significa que tal item faz parte do (está incluído no) grupo ou conjunto sob o qual está relacionado.

12. LETRAS DE REFERÊNCIA NAS ILUSTRAÇÕES

Quando necessário, as ilustrações contêm letras de referência (A, B, C, etc.) que são utilizadas para seguir tubulações e cabos elétricos de um ponto a outro. Também foram utilizadas para indicar onde se pode reconectar as ilustrações que foram separadas.

13. ABREVIações E SÍMBOLOS

O.D. – "Outside Diameter" (Diâmetro Externo)

I.D. – "Inside Diameter" (Diâmetro Interno)

A – Não faz parte deste grupo

B – Use conforme necessário

C – Indica modificação

D – Vendido por metro

E – Vendido por centímetro

F – Não ilustrado

G – Vendido por polegada

I – Consulte o seu revendedor quanto a mangueira

M – Peça métrica

R – Peça remanufaturada pode estar disponível; consulte o seu revendedor Cat

Y – Ilustração separada

Z – Não disponível separadamente

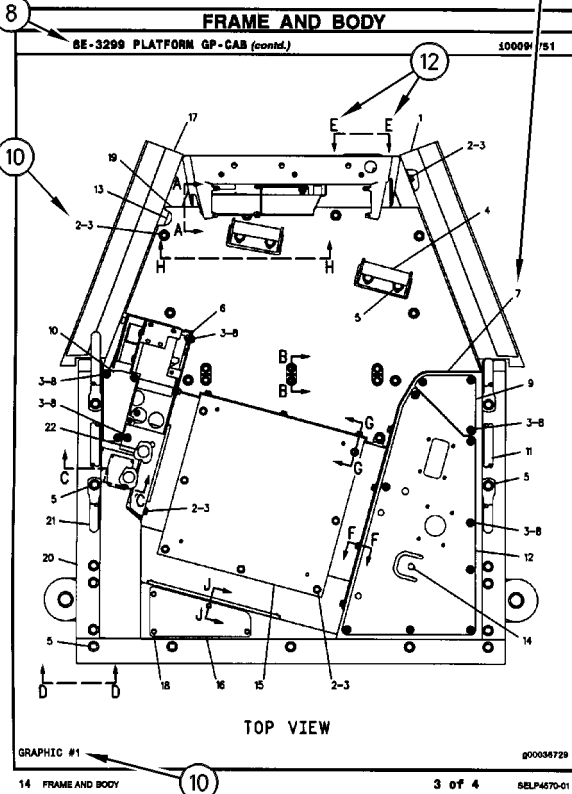
INFORMAÇÃO GERAL

NOTA:

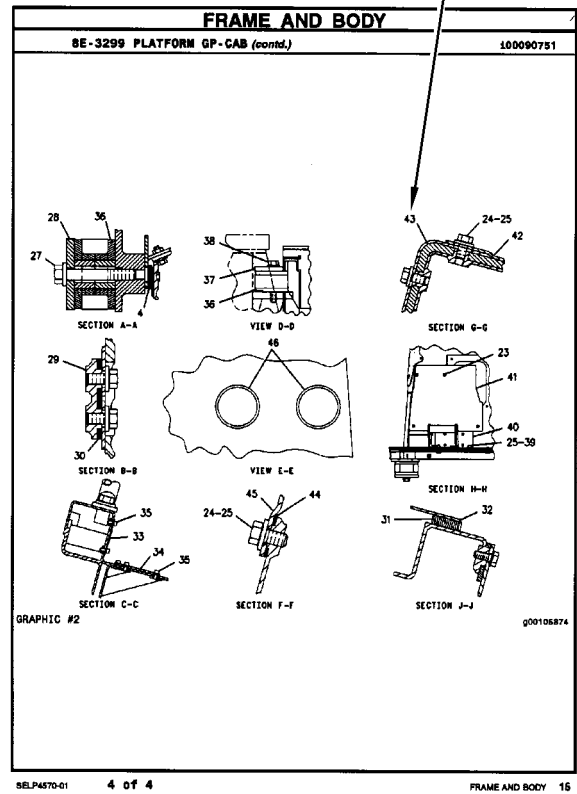
Os contínuos aperfeiçoamentos e avanços no projeto do produto podem ocasionar modificações em sua máquina que talvez ainda não estejam incluídas nesta publicação. Sempre que surgirem dúvidas quanto a um produto Caterpillar ou quanto à presente publicação, consulte o seu revendedor Caterpillar para obter as informações mais recentes disponíveis.

INFORMAÇÃO GERAL

FRAME AND BODY									
8E-3299 PLATFORM GP-CAB									
PIN 38X1-99999									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6	PRODUCT LEVEL	SEE PAGE	
	1		31-3883	1	PLATE AS				
	2		8E-3082	25	BOLT (3/8-16X.750 IN)				
	3		8E-1078	41	WASHER-HARD (3MM THK)				
	4		8E-1464	2	SUPPORT AS-FOOT				
	5		8E-2229	18	BOLT (1/2-13X1 IN)				
	6		8E-1974	18	WASHER-HARD (4MM THK)				
	7		8E-0136	1	COVER AS-LH				
	8		8E-0172	6	NUT-WELD (3/8-16 THD)				
	9		1P-0189	1	CLIP				
	10		78-2411	4	COVER				
	11		8E-0489	18	SCREW-HEAD (3/8-16X.875 IN)				
	12		8E-0174	1	COVER				
	13		8E-0172	1	GASKET				
	14		8E-3240	1	GASKET				
	15		8E-3240	1	GASKET				
	16		8E-3240	1	GASKET				
	17		8E-3240	1	GASKET				
	18		8E-3240	1	GASKET				
	19		8E-3240	1	GASKET				
	20		8E-3240	1	GASKET				
	21		8E-3240	1	GASKET				
	22		8E-3240	1	GASKET				
	23		8E-3240	1	GASKET				
	24		8E-3240	1	GASKET				
	25		8E-3240	1	GASKET				
	26		8E-3240	1	GASKET				
	27		8E-3240	1	GASKET				
	28		8E-3240	1	GASKET				
	29		8E-3240	1	GASKET				
	30		8E-3240	1	GASKET				
	31		8E-3240	1	GASKET				
	32		8E-3240	1	GASKET				
	33		8E-3240	1	GASKET				
	34		8E-3240	1	GASKET				
	35		8E-3240	1	GASKET				
	36		8E-3240	1	GASKET				
	37		8E-3240	1	GASKET				
	38		8E-3240	1	GASKET				
	39		8E-3240	1	GASKET				
	40		8E-3240	1	GASKET				
	41		8E-3240	1	GASKET				
	42		8E-3240	1	GASKET				
	43		8E-3240	1	GASKET				
	44		8E-3240	1	GASKET				
	45		8E-3240	1	GASKET				
	46		8E-3240	1	GASKET				
	47		8E-3240	1	GASKET				
	48		8E-3240	1	GASKET				
	49		8E-3240	1	GASKET				
	50		8E-3240	1	GASKET				



FRAME AND BODY									
8E-3299 PLATFORM GP-CAB (contd.)									
100090751									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6	PRODUCT LEVEL	SEE PAGE	
	41		8E-2515	1	COVER				
	42		7T-0134	1	PLATE				
	43		7T-0136	1	GASKET				
	44		78-0724	1	GASKET				
	45		78-0723	1	COVER				
	46		8E-1959	2	PLUG-BUTTON				
H-METRIC PART									



ALLGEMEINE HINWEISE

1. MASCHINENKENNZEICHNUNG

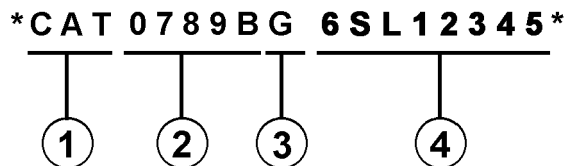
Caterpillar-Maschinen sind mit PRODUCT IDENTIFICATION NUMBERS (PIN) (Produkt-Identnummern) gekennzeichnet. Einige Baugruppen, z.B. Motoren, Getriebe, Planierschilde und Aufreißer, sind mit SERIAL NUMBERS (S/N) (Seriennummern) gekennzeichnet. An der Maschine und am Motor befinden sich außerdem ARRANGEMENT NUMBERS (Ausrüstungsnummern) sowie in einigen Fällen MODIFICATION NUMBERS (Änderungsnummern). Sie befinden sich auf den PIN-Schildern und auf dem Typenschild im Fahrerhaus.

Bei Ersatzteilbestellungen müssen dem Händler alle diese Nummern zur Verfügung gestellt werden.



Neu im Parts Manual

Vom ersten Quartal 2001 ab wird die Caterpillar Produkt-Identnummer (PIN) von 8 auf 17 Zeichen geändert. Um zur Standardisierung der Produkt-Identnummer beizutragen, sind Caterpillar und andere Baumaschinenhersteller bestrebt, die aktuellste Norm zur Produkt-Identnummerierung einzuführen. Produkt-Identnummern für Baumaschinen sind durch ISO 10261 definiert. Das neue Format der Produkt-Identnummern gilt für alle Caterpillar-Maschinen und -Stromaggregate. Die Produkt-Identschilder und -Identrahmenmarkierung enthalten die aus 17 Zeichen bestehende Identnummer. Das neue Format hat folgende Abschnitte:



Abschnitte:

1. Caterpillars weltweiter Herstellungscode (Zeichen 1-3)
2. Modell (Zeichen 4-8)
3. Kontrollzeichen (Zeichen 9)
4. Maschinenspezifische Kennung (MIS) oder Produktsequenznummer (Zeichen 10-17). Diese wurde früher als Seriennummer bezeichnet.

Für vor dem ersten Quartal 2001 hergestellte Maschinen und Stromaggregate wird das aus 8 Zeichen bestehende PIN-Format beibehalten.

Bauteile wie z.B. Motoren, Getriebe, Achsen sowie Arbeitsgeräte werden weiterhin eine aus 8 Zeichen bestehende Seriennummer (S/N) aufweisen.

2. BESTELLEN VON ERSATZTEILEN



WARNUNG

Wenn für diese Maschine Ersatzteile benötigt werden, empfiehlt Caterpillar, ausschließlich Caterpillar-Ersatzteile oder solche zu verwenden, die die gleichen technischen Merkmale hinsichtlich Typ, Festigkeit, Werkzeugeigenschaften und die gleichen Maße aufweisen.

Bei Nichtbeachtung dieser Warnung besteht Verletzungs- oder sogar Lebensgefahr! Ferner kann Nichtbeachtung vorzeitige Ausfälle der Teile und Beschädigung der Maschine zur Folge haben.

Original Caterpillar-Ersatzteile können weltweit bei jedem Caterpillar-Händler bestellt werden. Die umfangreichen Händlerlager enthalten normalerweise alle Teile, die Sie für Ihre Caterpillar-Maschine benötigen. Einige Händler bieten Reparatursätze, Austausch- oder werküberholte Teile an, so daß Sie eine Auswahl unter verschiedenen Reparaturmöglichkeiten treffen können. Ihre Bestellung muß folgende Angaben enthalten: Anzahl der benötigten Teile, Bestellnummer, Bezeichnung des Teils, Serien-Nr./Produkt-Ident-Nr., Ausrüstungs-Nr. und Änderungs-Nr. der Maschine, für die diese Teile benötigt werden.

3. AUFBAU DES PARTS MANUAL

Die Produktinformationen für alle Komponenten eines bestimmten Modells sind in INFORMATION ELEMENTS (Informationseinheiten) gegliedert. ENGINE ARRANGEMENT (Motorausführung) und SEAT GROUP (Fahrsitz) sind Beispiele für solche Informationseinheiten. Sie sind innerhalb jeder Gruppe alphabetisch, entsprechend der Ersatzteilbezeichnung, und zusätzlich numerisch, entsprechend der Ersatzteilnummer, geordnet.

4. INHALTSVERZEICHNIS



Neu im Parts Manual

Das Inhaltsverzeichnis befindet sich am Anfang des Buches. Im Inhaltsverzeichnis werden die einzelnen Abschnitte des Buches aufgeführt. Die Abschnitte enthalten eine vollständige Aufstellung aller Informationseinheiten. Diese sind entsprechend ihrem Erscheinen im Buch geordnet. Das Inhaltsverzeichnis enthält Seitenangaben für Schnellverweise auf detaillierte Abbildungen und Teillisten.

5. INDEX FÜR WARTUNGSTEILE

Der Index für Wartungsteile vorn im Buch enthält die Bestellnummern, Seitenangaben, Mengenangaben und Informationen über den Einsatzbereich für die am häufigsten benötigten Ersatzteile. Die Angaben sind alphabetisch entsprechend der Teilebezeichnung geordnet.

6. INDEX

Der Index vorn im Buch enthält eine alphabetische Liste aller Informationseinheiten. Er enthält Seitenangaben für Schnellverweise auf detaillierte Abbildungen und Teillisten.

7. INDEX FÜR BESTELLNUMMERN

Hinten im Buch befindet sich ein numerischer Index, mit allen Bestellnummern und dem Hinweis auf die Seite, auf der sich die betreffende Abbildung befindet.

8. ÜBERSCHRIFTEN

Die Überschriften, die sich oben auf den Seiten der Informationseinheiten befinden, enthalten Bestellnummern, Ersatzteilbezeichnungen und zusätzliche beschreibende Informationen. Produkt-Ident- und Seriennummern in den Überschriften sollten zur Auswahl der richtigen Informationen für die betreffende Maschine verwendet werden. Die Überschriften enthalten außerdem Informationen über möglichen Außendienstersatz, mögliche Baugerätekomponenten und die Baugruppe, zu der das Teil gehört.



Neu im Parts Manual

Die erste Zeile einer Überschrift erscheint in einer größeren Schriftart, um den Anfang einer Informationseinheit zu kennzeichnen. Überschriften für zusätzliche Seiten, die zur Erläuterung einer Informationseinheit notwendig sind, erscheinen in normaler Schriftart und enthalten den Begriff "(contd.)".

9. NICHT EINZELN LIEFERBARE TEILE



Neu im Parts Manual

In einigen Fällen ist es notwendig nicht lieferbare Teile, die selbst mit einer eigenen Teilliste im Buch vertreten sind, aufzuführen. Die Bestellnummern dieser nicht einzeln lieferbaren Teile erscheinen kursiv, wodurch angezeigt wird, daß sie nur in Verbindung mit anderen Teilen lieferbar sind.

10. REFERENZNUMMER FÜR ERSATZTEILE



Neu im Parts Manual

Die Zahlen, die in der Spalte "Ref No" aufgeführt sind, stimmen mit den Zahlen in den beigefügten Abbildungen überein. Ein Buchstaben-Suffix kann zu einer Referenznummer hinzugefügt werden, um zu kennzeichnen, daß das Teil mit einer eigenen Teilliste im Buch aufgeführt ist. Die in der Spalte "Graphic Ref" angeführten Zahlen verweisen auf die Identifikationsnummer der Abbildung, die sich in der linken unteren Ecke der Abbildung befindet. Diese Nummer kann zusammen mit der Referenznummer des Teils angegeben werden, um die richtige Ersatzteilnummer zu ermitteln. Referenznummern können absichtlich weggelassen werden, da die Nummern der lieferbaren Ersatzteile ständig aktualisiert werden.

11. EINGERÜCKTE BEZEICHNUNGEN

Wenn eine Bezeichnung eingerückt ist, wird dadurch angezeigt, daß das Teil zu einer Baugruppe gehört, unter deren Bezeichnung es eingerückt ist.

12. REFERENZBUCHSTABEN

Falls erforderlich sind in den Abbildungen Referenzbuchstaben enthalten (z.B. A, B, C, usw.), die Leitungen und Kabelbäume von einem Punkt zum anderen verfolgen. Außerdem geben sie die Stelle an, an der getrennte Abbildungen fortgesetzt werden.

13. ABKÜRZUNGEN UND SYMBOLE

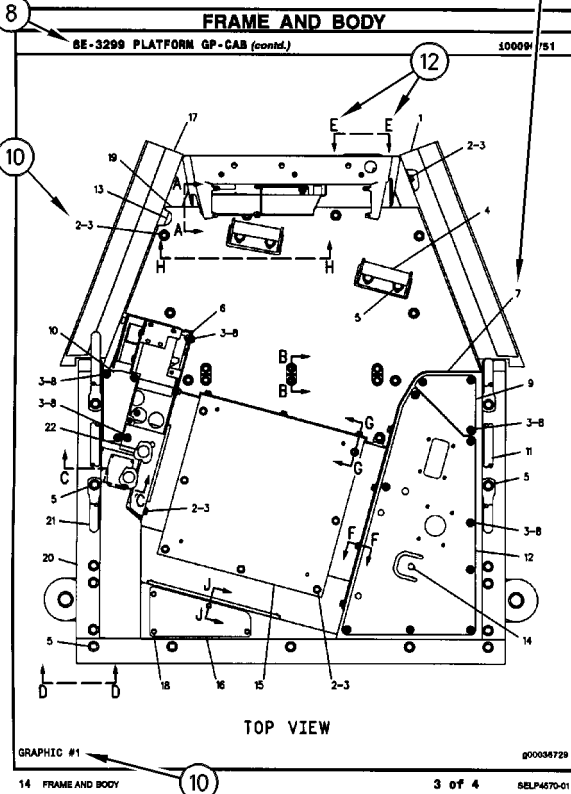
O.D. – Außendurchmesser
I.D. – Innendurchmesser
A – kein Teil dieser Gruppe
B – nach Bedarf verwenden
C – Hinweis auf eine Änderung
D – in Meter-Länge bestellen
E – in Zentimeter-Länge bestellen
F – nicht gezeigt
G – in Zoll-Länge bestellen
I – siehe "Hose Fabrication Guide"
M – metrisches Teil
R – werküberholtes Teil unter Umständen lieferbar
Y – separate Abbildung
Z – nicht einzeln lieferbar

ANMERKUNG:

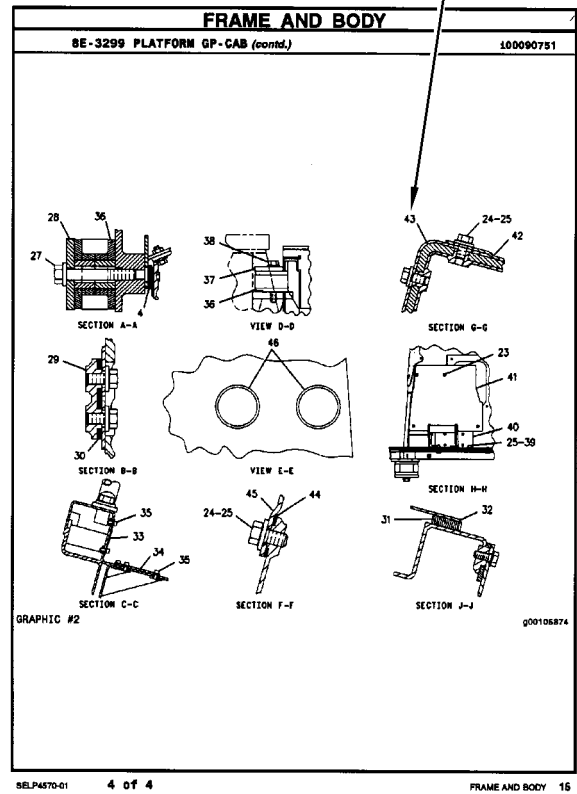
Ständig vorgenommene Verbesserungen und Weiterentwicklungen an Ihrer Maschine können Änderungen verursachen, die in der vorliegenden Ausgabe noch nicht berücksichtigt sind. Fragen zu Ihrer Caterpillar-Maschine oder diesem Ersatzteillbuch beantwortet Ihr Caterpillar-Händler.

ALLGEMEINE HINWEISE

FRAME AND BODY									
8E-3299 PLATFORM GP-CAB									
PIN 38X1-99999									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 PRODUCT LEVEL	SEE PAGE	100090751	
1	1	1	31-3882	1	PLATE AS				
2	1	1	8E-3082	25	BOLT (3/8-16X.750IN)				
3	1	1	8E-1078	41	WASHER-HARD (3MM THK)				
4	1	1	8E-1464	2	SUPPORT AS-FOOT				
5	1	1	8E-3229	18	BOLT (1/2-13X1IN)				
6	1	1	8E-3229	18	WASHER-HARD (4MM THK)				
7	1	1	8E-3136	1	COVER AS-LH				
8	1	1	8E-3273	8	NUT-WELD (3/8-16 THD)				
9	1	1	1P-8189	1	CLIP				
10	1	1	78-3411	4	COVER				
11	1	1	8E-3489	18	SCREW-HEAD (3/8-16X.875IN)				
12	1	1	8E-3474	1	COVER				
13	1	1	8E-3472	1	GASKET				
14	1	1	8E-3249	1	GASKET				
15	1	1	8E-3489	1	GASKET				
16	1	1	8E-3489	1	GASKET				
17	1	1	8E-3489	1	GASKET				
18	1	1	8E-3489	1	GASKET				
19	1	1	8E-3489	1	GASKET				
20	1	1	8E-3489	1	GASKET				
21	1	1	8E-3489	1	GASKET				
22	1	1	8E-3489	1	GASKET				
23	1	1	8E-3489	1	GASKET				
24	1	1	8E-3489	1	GASKET				
25	1	1	8E-3489	1	GASKET				
26	1	1	8E-3489	1	GASKET				
27	1	1	8E-3489	1	GASKET				
28	1	1	8E-3489	1	GASKET				
29	1	1	8E-3489	1	GASKET				
30	1	1	8E-3489	1	GASKET				
31	1	1	8E-3489	1	GASKET				
32	1	1	8E-3489	1	GASKET				
33	1	1	8E-3489	1	GASKET				
34	1	1	8E-3489	1	GASKET				
35	1	1	8E-3489	1	GASKET				
36	1	1	8E-3489	1	GASKET				
37	1	1	8E-3489	1	GASKET				
38	1	1	8E-3489	1	GASKET				
39	1	1	8E-3489	1	GASKET				
40	1	1	8E-3489	1	GASKET				



FRAME AND BODY									
8E-3299 PLATFORM GP-CAB (contd.)									
100090751									
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	1 2 3 4 5 6 PRODUCT LEVEL	SEE PAGE	100090751	
41	2	2	8E-3515	1	COVER				
42	2	2	7T-0134	1	PLATE				
43	2	2	7T-0136	1	GASKET				
44	2	2	78-8724	1	GASKET				
45	2	2	78-8723	1	COVER				
46	2	2	8E-1959	2	PLUG-BUTTON				
H-METRIC PART									



REPAIR ALTERNATIVES

REMANUFACTURED COMPONENTS

As an option when making repairs consider Caterpillar Remanufactured Components. Components that are available through the Caterpillar Remanufactured Program are identified three ways in the parts book:

- with the letter R in the note field of the parts list
- with an R* at the beginning of the first line of the caption
- with an *R at the end of the first line of the caption

Typical components included in the Remanufacturing Program include:

ALTERNATORS
CONNECTING RODS
CRANKSHAFTS - UNDERSIZE
CRANKSHAFTS - UPGRADE TO NEW
CYLINDER HEADS
ELECTRONIC CONTROL MODULES (ECM)
ELECTRONIC SENSORS
FUEL INJECTORS
FUEL NOZZLES
FUEL PUMPS
GOVERNORS
OIL PUMPS
PISTONS
SHORT BLOCKS
STARTERS
TURBOCHARGERS - COMPLETE
TURBOCHARGER CARTRIDGES
WATER PUMPS

Caterpillar Remanufactured engines for many engine arrangements are also available.

OPTIONS DE RÉPARATION

COMPOSANTS RÉNOVÉS

Comme option de réparation, considérer les composants rénovés Caterpillar. Les composants disponibles dans le cadre du programme Caterpillar de composants rénovés sont identifiés de trois façons dans le catalogue de pièces:

- avec la lettre "R" dans l'espace note de la liste des pièces
- avec R* au début de la première ligne des légendes
- avec *R à la fin de la première ligne des légendes

Les composants suivants figurent parmi les composants typiques du programme de rénovation:

ALTERNATEURS
BIELLES
VILEBREQUINS - SOUS-DIMENSIONNÉS
VILEBREQUINS - REMIS À NEUF
CULASSES
MODULES DE COMMANDE ÉLECTRONIQUE (ECM)
CAPTEURS ÉLECTRONIQUES
INJECTEURS
TÊTES D'INJECTEURS
POMPES À CARBURANT
RÉGULATEURS
POMPES À HUILE
PISTONS
BLOCS EMBIELLÉS
DÉMARREURS
TURBOCOMPRESSEURS - COMPLETS
CARTOUCHES DE TURBOCOMPRESSEUR
POMPES À EAU

Des moteurs rénovés sont aussi disponibles pour plusieurs versions de moteur.

ALTERNATIVAS DE REPARACIÓN

COMPONENTES REMANUFACTURADOS

Al hacer reparaciones, tenga en cuenta la opción de Componentes Remanufacturados Caterpillar. Los componentes que están disponibles por medio del programa de Productos Remanufacturados Caterpillar se identifican de tres maneras en el manual de piezas:

- con la letra R en el espacio de Nota de la lista de piezas
- con una R* al comienzo de la primera línea de la leyenda
- con una *R al final de la primera línea de la leyenda

Los componentes que se incluyen típicamente en el Programa de Productos Remanufacturados son:

ALTERNADORES
BIELAS
CIGÜEÑALES - BAJOMEDIDA
CIGÜEÑALES - REMANUFACTURADOS A NUEVO
CULATAS
MÓDULOS DE CONTROL ELECTRÓNICO (ECM)
SENSORES ELECTRONICOS
INYECTORES
BOQUILLAS
BOMBAS DE COMBUSTIBLE
REGULADORES
BOMBAS DE ACEITE
PISTONES
MONOBLOQUES
MOTORES DE ARRANQUE
TURBOCOMPRESORES - COMPLETOS
NÚCLEOS DE TURBOCOMPRESOR
BOMBAS DE AGUA

También hay disponibles motores Remanufacturados Caterpillar para muchas de las configuraciones de motores.

ALTERNATIVAS DE REPARO

COMPONENTES REMANUFATURADOS

Considere o uso de Componentes Remanufaturados Caterpillar ao efetuar reparos. Os componentes disponíveis através do Programa de Remanufatura Caterpillar são identificados de três formas no manual de peças:

- com um R na área da nota da lista de peças
- com um R* no princípio da primeira linha da legenda
- com um *R no final da primeira linha da legenda

Os componentes típicos que constam no Programa de Remanufatura incluem:

ALTERNADORES
BIELAS
VIRABREQUINS - SUBMEDIDAS
VIRABREQUINS - ATUALIZAÇÃO
CABEÇOTES
MÓDULOS DE CONTROLE ELETRÔNICO (ECM)
SENSORES ELETRÔNICOS
INJETORES DE COMBUSTÍVEL
BICOS DE ABASTECIMENTO DE COMBUSTÍVEL
BOMBAS DE COMBUSTÍVEL
GOVERNADORES
BOMBAS DE ÓLEO
PISTÕES
BLOCOS BÁSICOS DO MOTOR
MOTORES DE PARTIDA
TURBOALIMENTADORES - COMPLETOS
CARTUCHOS DE TURBOALIMENTADORES
BOMBAS D'ÁGUA

Motores Remanufaturados Caterpillar também encontram-se disponíveis para diversos arranjos de motor.

REPARATURALTERNATIVEN

WERKÜBERHOLTE AT-PRODUKTE

Bei Reparaturen sollten werküberholte AT-Produkte von Caterpillar in Betracht gezogen werden. Die durch das AT-Programm von Caterpillar erhältlichen Teile sind im Parts Book auf drei verschiedene Arten gekennzeichnet:

- mit dem Buchstaben R in der Spalte NOTE der Ersatzteilliste
- mit einem R* am Anfang der ersten Zeile der Überschrift
- mit einem *R am Ende der ersten Zeile der Überschrift

Das AT-Programm umfaßt u.a. folgende Produkte:

DREHSTROMGENERATOREN
PLEUELSTANGEN
KURBELWELLEN - MIT UNTERMASSE
KURBELWELLEN - MIT ORIGINALMASSE
ZYLINDERKÖPFE
ELEKTRONISCHE STEUEREINHEITEN (EMC)
ELEKTRONISCHE SENSOREN
PUMPENDÜSEN
EINSPRITZDÜSEN
KRAFTSTOFFPUMPEN
DREHZAHLREGLER
ÖLPUMPEN
KOLBEN
TEILMOTOREN
ANLASSER
TURBOLADER - KOMPLETT
TURBOLADERLAUFZEUGE
KÜHLWASSERPUMPEN

Viele Motoren können durch werküberholte AT-Motoren von Caterpillar ersetzt werden.

SUPPLEMENTAL COOLANT ADDITIVES

CUSTOMER BENEFITS:

Protects against cavitation, foam, erosion, corrosion, and scale buildup in cooling systems.

- Provides measured coolant conditioner.

DESCRIPTION:

Additives deplete from the coolant with normal operation. For this reason, Supplemental Coolant Additives (SCA) must be added to all heavy duty coolants at regular intervals. In addition, when not using a fully formulated, pre-charged antifreeze, like Caterpillar's DEAC, an initial charge of SCA must be added to the cooling system. The amount of SCA added to the system is dependent on the capacity of the system.

The SCA for initial fill is provided as a liquid. SCA's for maintenance intervals are available in liquid form and as a spin-on element. (No Spin-on available for 3600 Family of Engines)

NOTE:

The amount of SCA added at initial fill is not the same as the amount added at maintenance intervals.

The coolant additive elements can be used with any ethylene or propylene glycol type antifreeze which meets ASTM D4985 or ASTM D5345 Specifications.

NOTE:

For use with standard heavy duty coolant only, not for use with Extended Life Coolant.

PARTS NEEDED:

Cooling System Capacity		Liquid SCA at Initial Fill	Liquid SCA at Maintenance*	Spin-on SCA Maintenance Element*
Liters	Gallons			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* Normal maintenance period is 250 hrs. See your Operation and Maintenance Manual for complete coolant maintenance instructions.

() Indicates quantity required.

ADDITIFS POUR LIQUIDE DE REFROIDISSEMENT

AVANTAGES POUR LE CLIENT

L'additif protège contre la cavitation, la mousse, l'érosion, la corrosion et l'accumulation de dépôts dans le circuit de refroidissement.

- L'additif complémentaire fournit une quantité mesurée d'additif.

DESCRIPTION:

Les additifs s'épuisent pendant l'utilisation du moteur. C'est pourquoi l'on doit ajouter de l'additif au liquide de refroidissement/antigel pour moteurs diesel à intervalles réguliers. En plus, si l'on n'utilise pas de l'antigel entièrement formulé et pré-chargé comme le liquide de refroidissement/antigel Caterpillar pour moteurs diesel, une quantité initiale d'additif doit être ajoutée au circuit de refroidissement. La quantité d'additif à ajouter au circuit dépend de la contenance du circuit.

L'additif pour le remplissage initial est fourni sous forme liquide. L'additif pour l'entretien ultérieur est disponible sous forme liquide et sous forme d'élément à visser. (Il n'y a pas d'élément à visser pour les moteurs de la famille 3600).

NOTA:

La quantité d'additif à ajouter au remplissage initial diffère de la quantité à ajouter aux intervalles d'entretien.

Les éléments d'additif peuvent être utilisés avec tout antigel de type éthylène ou propylène-glycol conforme à la norme ASTM D4985 ou ASTM D5345.

NOTA:

A utiliser uniquement avec du liquide de refroidissement pour moteurs diesel et non avec le liquide de refroidissement longue durée.

PIÈCES NÉCESSAIRES:

Contenance du circuit de refroidissement		Additif liquide au remplissage initial	Additif liquide aux intervalles d'entretien*	Élément d'additif à visser aux intervalles d'entretien*
Litres	Gallons U.S.			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* L'intervalle d'entretien normal est de 250 heures-service. Voir le Guide d'utilisation et d'entretien pour de plus amples renseignements concernant l'entretien du circuit de refroidissement.

() Indique la quantité exigée.

ADITIVOS DE REFRIGERANTE SUPLEMENTARIOS

VENTAJAS PARA EL USUARIO:

Protegen contra la cavitación, la formación de espuma, la corrosión y la acumulación de escamas en los sistemas de enfriamiento.

- Suministra un acondicionador dosificado de refrigerante.

DESCRIPCIÓN:

Los aditivos en el refrigerante se agotan con la operación normal. Por esta razón, se debe agregar Aditivo de refrigerante suplementario (SCA) a todos los refrigerantes para servicio pesado, a intervalos regulares. Además, cuando no se usa un anticongelante de precarga completo, tal como el DEAC de Caterpillar, es necesario agregar una cantidad de aditivo de refrigerante suplementario inicial al sistema de enfriamiento. La cantidad de aditivo que se debe agregar depende de la capacidad del sistema.

El SCA de llenado inicial es líquido. El que se usa para el mantenimiento está disponible tanto en líquido como en un elemento enroscable. (No hay elemento enroscable disponible para la Familia de Motores 3600).

NOTA:

La cantidad de aditivo de llenado inicial no es la misma que se agrega en los intervalos de mantenimiento.

Los elementos de aditivo de refrigerante se pueden usar con cualquier anticongelante de tipo glicol etilénico o propílico que esté de acuerdo con las especificaciones de las normas ASTM D4985 o ASTM D5345.

NOTA:

Se debe utilizar únicamente con refrigerante estándar para servicio pesado; no se debe usar con Refrigerante de Larga Duración.

PIEZAS NECESARIAS:

Capacidad del Sistema de Enfriamiento		SCA líquido de llenado inicial	SCA líquido de mantenimiento*	Elemento de mantenimiento enroscable*
litros	gal EE.UU.			
22-30	6-8	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	8-10	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	10-13	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	13-17	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	17-22	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	22-30	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	30-43	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	43-64	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* El período normal de mantenimiento es de 250 horas. Para ver las instrucciones completas sobre el mantenimiento del refrigerante, consulte el Manual de Operación y Mantenimiento.

() Indica la cantidad necesaria.

ADITIVOS SUPLEMENTARES DO LÍQUIDO ARREFECEDOR

BENEFÍCIOS PARA O CLIENTE:

Protege contra cavitação, espuma, erosão, corrosão e acúmulo de crostas nos sistemas de arrefecimento.

- Fornece uma quantidade pré-determinada de condicionador de arrefecimento.

DESCRIÇÃO:

Com a operação normal, os aditivos se esgotam do líquido arrefecedor. Por isso, Aditivos Suplementares do Líquido Arrefecedor (SCA) devem ser acrescentados a todos os líquidos arrefecedores para serviço pesado em intervalos regulares. Além disso, quando um anticongelante pré-carregado, totalmente formulado não for usado, como o DEAC Caterpillar, uma carga inicial de SCA deve ser acrescentada ao sistema de arrefecimento. A quantidade de SCA acrescentada ao sistema depende da capacidade do sistema.

O SCA para abastecimento inicial é fornecido em forma de líquido. Os aditivos suplementares (SCA) para intervalos de manutenção estão à disposição em forma líquida e como um elemento com roscas. (Exceto os Motores da Família 3600)

NOTA:

A quantidade de SCA adicionada no abastecimento inicial não é a mesma que a acrescentada nos intervalos de manutenção.

Os elementos do aditivo do líquido arrefecedor podem ser usados com qualquer tipo de anticongelante etileno ou propileno que satisfaz as Especificações ASTM D4985 ou ASTM D5345.

NOTA:

Para uso apenas com líquido arrefecedor para serviço pesado padrão, não deve ser usado com Líquido Arrefecedor de Vida Longa.

PEÇAS NECESSÁRIAS:

Capacidade do Sistema de Arrefecimento		Líquido SCA Durante Abastecimento Inicial	Líquido SCA Durante Manutenção*	Elemento de Manutenção de SCA com Roscas*
Litros	Galões			
22-30	6-8	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	8-10	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	10-13	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	13-17	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	17-22	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	22-30	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	30-43	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	43-64	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* O período normal de manutenção é de 250 horas. Consulte o Manual de Operação e Manutenção para obter instruções completas quanto à manutenção do líquido arrefecedor.

() Indica a quantidade exigida.

KÜHLMITTELZUSATZ

VORTEILE FÜR DEN KUNDEN:

Schutz gegen Kavitation, Schaumbildung, Erosion, Korrosion und Kesselsteinbildung in Kühlsystemen.

- Richtig dosierter Kühlmittelzusatz

BESCHREIBUNG:

Additive erschöpfen sich während des Motorbetriebs. Deshalb muß allen HD-Kühlmitteln regelmäßig Kühlmittelzusatz beigelegt werden. Wenn bei Erstfüllung kein vollwertiges Fertigkühlmittel, wie das Frostschutz- und Kühlmittel für Dieselmotoren von Caterpillar (DEAC), verwendet wird, muß bei Erstfüllung Kühlmittelzusatz beigelegt werden. Wieviel Kühlmittelzusatz beigelegt werden muß, hängt vom Inhalt des Kühlsystems ab.

Für Erstfüllung ist Kühlmittelzusatz nur in flüssiger Form erhältlich. Für Wartungsintervalle ist Kühlmittelzusatz in flüssiger Form und als Zusatzelement erhältlich. (Für die Motorbaureihe 3600 sind keine Zusatzelemente erhältlich.)

ANMERKUNG:

Die Kühlmittelmenge bei Erstfüllung ist nicht die gleiche Menge, die bei Wartungsintervallen beigelegt werden muß.

Die Kühlmittelzusatzelemente können mit allen Frostschutzmitteln auf Ethylen- oder Propylenglykolbasis verwendet werden, die den Standards nach ASTM D4985 oder ASTM D5345 entsprechen.

ANMERKUNG:

Den Kühlmittelzusatz nicht mit Langzeitkühlmittel (ELC) von Caterpillar verwenden. Der Kühlmittelzusatz ist nur für HD-Kühlmittel bestimmt.

TEILEBEZEICHNUNG:

Kühlsysteminhalt		Kühlmittelzusatz bei Erstfüllung	Flüssiger Kühlmittelzusatz bei Wartung*	Kühlmittelzusatzelement bei Wartung*
Liter	US-Gall.			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

* Der normale Wartungsintervall beträgt 250 Betriebsstunden. Für vollständige Anweisungen zur Wartung des Kühlsystems, siehe Betriebs- und Wartungshandbuch.

() Erforderliche Anzahl

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
AIR INLET AND EXHAUST SYSTEM				
FILTER ELEMENT AS-PRIMARY AIR	6I-2509	1	AIR CLEANER GP	93
FILTER ELEMENT AS-SEC AIR	6I-2510	1	AIR CLEANER GP	93
INDICATOR-AIR FILTER SERVICE	1W-0613	1	LINES GP-AIR	96
BASIC ENGINE				
GASKET	4N-1151	2	PAN GP-OIL	48
PLUG-DRAIN	5F-0304	1	HOUSING GP-FLYWHEEL	40
PLUG-OIL DRAIN	109-5839	1	PAN GP-OIL	48
BRAKING SYSTEM				
CAP-DUST	6V-0852	5	CONTROL GP-SERVICE BRAKE	444
	8C-3451	1	CONTROL GP-SERVICE BRAKE	444
COOLING SYSTEM				
CAP-RADIATOR	6L-8617	1	RADIATOR GP	84
FILTER-WATER PUMP	136-3742	1	PUMP GP-WATER	82
REGULATOR-WATER TEMPERATURE (92 DEG C.)	4W-4794	1	LINES GP-WATER	80
ELECTRICAL AND STARTING SYSTEM				
BATTERY (MAINTENANCE FREE) (12 VOLT)	3T-5760	4	BATTERY & WIRING GP	129
BELT-DRIVE (WARNING BEACON)	9X-8139	1	LAMP GP-WARNING BEACON	156
CAP AS-DUST	133-6517	1	HEATER GP-JACKET WATER	149
		1	HEATER GP-JACKET WATER	150
CAP AS-FUEL TANK	123-6305	1	HEATER AR-FUEL	145
CAP-DUST	6V-0852	2	WIRING GP-POWER TRAIN	228
CIRCUIT BREAKER AS (10 AMP)	6T-3642	1	WIRING GP-ELECTRONIC CONTROL	210
CIRCUIT BREAKER AS (15 AMP)	3T-2662	1	WIRING GP-ELECTRONIC CONTROL	210
	6T-3643	1	WIRING GP-ELECTRONIC CONTROL	210
FLASHER AS-ELECTRONIC	108-0358	1	SWITCH GP-SIGNAL	198
FUSE (10 AMP)	3K-8782	11	WIRING GP-ELECTRONIC CONTROL	211
FUSE (15 AMP)	8M-8948	3	WIRING GP-ELECTRONIC CONTROL	211
FUSE (20 AMP)	8M-0456	1	WIRING GP-ELECTRONIC CONTROL	211
KEY (BATTERY DISCONNECT)	8H-5306	1	SWITCH GP-DISCONNECT	193
LAMP AS-LH	5C-9029	1	LIGHTING GP-FLOOD & SIGNAL	168
LAMP AS-RH	5C-8964	1	LIGHTING GP-FLOOD & SIGNAL	168
LAMP GP-SIGNAL	135-0426	2	LIGHTING GP-FLOOD & SIGNAL	168
LAMP GP-SIGNAL (STOP/TAIL)	135-0426	2	LIGHTING GP-STOP	171
LAMP (WARNING BEACON)	9X-7849	1	LAMP GP-WARNING BEACON	156
LAMP (24 VOLT)	9X-4493	2	LIGHTING GP-FLOOD & SIGNAL	168
LAMP (24 VOLT) (DOME)	7N-9943	1	LAMP GP-DOME	151
LAMP (24 VOLT) (FLOOD)(ENGINE WORK)	9X-3463	1	LAMP GP-FLOOD	152
LAMP (24 VOLT) (FLOOD)(LADDER/BACKUP)	9X-3463	1	LAMP GP-FLOOD	153
LENS-AMBER (WARNING BEACON)	9X-8121	1	LAMP GP-WARNING BEACON	156
LENS AS (FLOODLIGHT) (ENGINE WORK)	158-0248	1	LAMP GP-FLOOD	152
LENS AS (FLOODLIGHT) (LADDER/BACKUP)	158-0248	1	LAMP GP-FLOOD	153
LENS-DOME LAMP	7T-0020	1	LAMP GP-DOME	151

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
FRAME AND BODY				
FITTING-GREASE (1/8-27 THD)	3B-8489	7	LINES GP-GREASE	414
KEY	5P-8500	1	COVER GP-BUMPER	370
		1	HOOD & GUARD GP	398
PADLOCK GP	5P-8502	2	COVER GP-BUMPER	370
		2	COVER GP-BUMPER	372
		2	HOOD & GUARD GP	398
FUEL SYSTEM				
CAP AS-FUEL TANK FILLER	101-8909	1	ADAPTER GP-FAST FILL FUEL	107
CAP AS-FUEL TANK (VENTED)	123-6305	1	FUEL AR-CONVENTIONAL FILL	110
COVER-DUST	9D-0630	1	ADAPTER GP-FAST FILL FUEL	107
ELEMENT-FILTER	129-0373	1	FILTER GP-WATER SEP & FUEL	109
FILTER AS-FUEL	1R-0749	1	FILTER GP-FUEL	108
FILTER AS-WATER SEP & FUEL (PRIMARY)	129-0372	1	FILTER GP-WATER SEP & FUEL	109
GASKET (FUEL PRIMING PUMP)	1P-0436	1	FILTER GP-FUEL	108
		1	LINES GP-FUEL	116
SEAL-O-RING (110.49MM ID)	9X-8600	1	ADAPTER GP-FAST FILL FUEL	107
STRAINER-FUEL	9P-7121	1	TANK GP-FUEL	122
HYDRAULIC SYSTEM				
CAP-DUST	6V-0852	1	LINES GP-HYDRAULIC	532
		1	LINES GP-HYDRAULIC FAN	536
		6	VALVE & MTG GP-MAIN CONTROL	562
	8C-3451	1	VALVE & MTG GP-MAIN CONTROL	562
CAP-FILLER	4J-3754	1	TANK GP-HYDRAULIC	560
COVER-HYDRAULIC CAP	5D-1902	1	TANK GP-HYDRAULIC	560
FILTER	1G-8878	1	FILTER GP-OIL	529
FILTER AS-OIL	126-1817	1	FILTER GP-OIL	528
PLUG-DRAIN	9J-7031	1	TANK GP-HYDRAULIC	560
PLUG-O-RING	9S-8008	1	PUMP GP-GEAR	552
SCREEN AS	9T-9227	2	TANK GP-HYDRAULIC	560
STRAINER AS	3D-6678	1	TANK GP-HYDRAULIC	560
IMPLEMENTS				
FITTING-GREASE (1/8-27 THD)	3B-8489	1	STABILIZER GP-BULLDOZER	590
LUBRICATION SYSTEM				
CAP-DUST	8C-3445	1	FILTER GP-ENGINE OIL	64
CAP-OIL FILLER	9L-8439	1	FILLER GP-ENGINE OIL	62
FILTER AS-ENGINE OIL	1R-0716	1	FILTER GP-ENGINE OIL	64

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
OPERATOR STATION				
BLADE AS-WIPER	6V-7419	2	WIPER GP-WINDOW	690
CAP	3W-6398	1	WASHER GP-WINDOW	688
CLAMP-HOSE	9X-2488	4	LINES GP-HEATER	634
FILTER-CAB AIR	107-0266	1	DUCT & FILTER GP-AIR	614
	112-7448	1	DUCT & FILTER GP-AIR	614
FILTER-SCREEN	8T-5913	2	WASHER GP-WINDOW	688
HOSE (22 CM)	136-1953		LINES GP-HEATER	634
HOSE (39 CM)	136-1953		LINES GP-HEATER	634
KEY-HANDLE	3V-7476	1	DUCT & FILTER GP-AIR	614
KEY (MASTER)	5P-8500	2	LITERATURE GP	635
LAMP-YELLOW	163-1883	3	PANEL GP-INSTRUMENT	654
LAMP (24 VOLT)	7N-5876	2	PANEL GP-INSTRUMENT	650
		4	PANEL GP-INSTRUMENT	654
POWER TRAIN				
BREATHER	4H-6112	1	LINES GP-POWER TRAIN OIL	288
CAP-DUST	6V-0852	3	LINES GP-POWER TRAIN OIL	288
		1	TORQUE CONVERTER & HOUSING GP	346
	8C-3447	1	LINES GP-POWER TRAIN OIL	288
FILTER-AIR	8S-7374	1	SLIP JOINT GP	311
FILTER AS-HYDRAULIC	1G-8878	1	FILTER GP-OIL	268
FILTER ELEMENT AS-OIL (HYDRAULIC) (POWER TRAIN)	139-1535	1	FILTER GP-OIL	266
FITTING	1K-6853	2	AXLE GP-OSCILLATING	238
FITTING-GREASE	3B-8489	1	SHAFT GP-DRIVE	308
PLUG	129-0988	1	GEAR GP-OUTPUT TRANSFER	274
PLUG-MAGNETIC	5P-4484	1	AXLE GP-FIXED	236
		1	AXLE GP-OSCILLATING	238
SCREEN-SUCTION	4S-8598	1	GEAR GP-OUTPUT TRANSFER	275
SEAL-O-RING	161-4511	1	FILTER GP-OIL	266
SERVICE EQUIPMENT AND SUPPLIES				
CAP AS-OIL FILTER	7W-1484	1	PROTECTION GP-VANDALISM	696
KEY	5P-8500	1	PROTECTION GP-VANDALISM	696
PADLOCK GP	5P-8502	1	PROTECTION GP-VANDALISM	696
STEERING SYSTEM				
CAP-DUST	6V-0852	1	LINES GP-SECONDARY STEERING	466
		2	LINES GP-STEERING	470
		1	VALVE & MTG GP-STEERING	487
FITTING-GREASE (1/8-27 THD)	3B-8489	2	CYLINDER & MTG GP-STEERING	463

PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIECÈS	QTÉ	DOMAINE D'APPLICATION	PAGE
CHÂSSIS ET BENNE				
CADENAS (ASS)	5P-8502	2	CAPOT ET PROTECTION (ASS)	398
		2	COUVERCLE-PARE-CHOCS (ASS)	370
		2	COUVERCLE-PARE-CHOCS (ASS)	372
CLÉ	5P-8500	1	CAPOT ET PROTECTION (ASS)	398
		1	COUVERCLE-PARE-CHOCS (ASS)	370
GRAISSEUR (FILET 1/8-27)	3B-8489	7	CANALISATIONS DE GRAISSAGE (ASS)	414
CIRCUIT D'ADMISSION D'AIR ET D'ÉCHAPPEMENT				
ÉLÉMENT DE FILTRE À AIR PRIMAIRE (ENS)	6I-2509	1	FILTRE A AIR (ASS)	93
ÉLÉMENT DE FILTRE À AIR SECONDAIRE (ENS)	6I-2510	1	FILTRE A AIR (ASS)	93
INDICATEUR DE COLMATAGE DE FILTRE A AIR	1W-0613	1	CANALISATIONS D'AIR (ASS)	96
CIRCUIT DE CARBURANT				
BOUCHON DE REMPLISSAGE DU RÉSERVOIR DE CARBURANT	101-8909	1	ADAPTATEUR DE REMPLIS. RAPIDE DE CARBURANT (ASS)	107
BOUCHON DE RÉSERVOIR DE CARBURANT (ENS) (À ÉVENT)	123-6305	1	CARBURANT - REMPLISSAGE CLASSIQUE (VERSION)	110
COUVERCLE ANTI-POUSSIÈRE	9D-0630	1	ADAPTATEUR DE REMPLIS. RAPIDE DE CARBURANT (ASS)	107
ÉLÉMENT DE FILTRE	129-0373	1	FILTRE DE SÉPARATEUR D'EAU ET DE CARBURANT (ASS)	109
FILTRE - SÉPARATEUR D'EAU ET DE CARBURANT (ENS) (PRINCIPAL)	129-0372	1	FILTRE DE SÉPARATEUR D'EAU ET DE CARBURANT (ASS)	109
FILTRE À CARBURANT	9P-7121	1	RÉSERVOIR DE CARBURANT (ASS)	122
FILTRE A CARBURANT (ENS)	1R-0749	1	FILTRE A CARBURANT (ASS)	108
JOINT PLAT (POMPE D'AMORÇAGE DE CARBURANT)	1P-0436	1	CANALISATIONS DE CARBURANT (ASS)	116
		1	FILTRE A CARBURANT (ASS)	108
JOINT TORIQUE (DIA INT 110,49MM)	9X-8600	1	ADAPTATEUR DE REMPLIS. RAPIDE DE CARBURANT (ASS)	107
CIRCUIT DE DIRECTION				
GRAISSEUR (FILET 1/8-27)	3B-8489	2	VERIN DE DIRECTION ET MONTAGE (ASS)	463
PARE-POUSSIÈRE	6V-0852	1	CANALISATION DE DIRECTION AUXILIAIRE	466
		2	CANALISATIONS DE DIRECTION (ASS)	470
		1	SOUPAPE DE DIRECTION ET MONTAGE (ENS)	487
CIRCUIT DE FREINS				
PARE-POUSSIÈRE	6V-0852	5	FREIN DE MANOEUVRE - COMMANDE (ASS)	444
	8C-3451	1	FREIN DE MANOEUVRE - COMMANDE (ASS)	444

PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
CIRCUIT DE GRAISSAGE				
BOUCHON DE GOULOTTE DE REMPLISSAGE D'HUILE	9L-8439	1	BOUCHON DE REMPLISSAGE D'HUILE MOTEUR (ASS)	62
FILTRE A HUILE MOTEUR (ENS)	1R-0716	1	FILTRE À HUILE MOTEUR (ASS)	64
PARE-POUSSIÈRE	8C-3445	1	FILTRE À HUILE MOTEUR (ASS)	64
CIRCUIT DE REFROIDISSEMENT				
CHAPEAU - RADIATEUR	6L-8617	1	RADIATEUR (ASS)	84
FILTRE DE POMPE À EAU	136-3742	1	POMPE A EAU (ASS)	82
THERMOSTAT-TEMPÉRATURE D'EAU (92 DEGRÉS C)	4W-4794	1	CANALISATIONS D'EAU (ASS)	80

PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
CIRCUIT ELECTRIQUE ET DE DEMARRAGE				
AMPOULE (GYROPHARE)	9X-7849	1	LAMPE - GYROPHARE (ASS)	156
AMPOULE (24 VOLTS)	9X-4493	2	ÉCLAIRAGE - PROJECTEURS ET CLIGNOTANTS (ASS)	168
AMPOULE (24 VOLTS) (PLAFONNIER)	7N-9943	1	PLAFONNIER (ASS)	151
AMPOULE (24 VOLTS) (PROJECTEUR)(ÉCHELLE/APPOINT)	9X-3463	1	LAMPE - PHARE (ASS)	153
AMPOULE (24 VOLTS) (PROJECTEUR)(TRAVAIL DE MOTEUR)	9X-3463	1	LAMPE - PHARE (ASS)	152
BATTERIE (SANS ENTRETIEN) (12 VOLTS)	3T-5760	4	BATTERIE ET CÂBLAGE	129
BOUCHON DE RÉSERVOIR DE CARBURANT (ENS)	123-6305	1	RÉCHAUFFEUR DE CARBURANT (VERSION)	145
CHAPEAU ANTI-POUSSIÈRE	133-6517	1	EAU DES CHEMISES - RECHAUFFEUR (ASS)	149
		1	EAU DES CHEMISES - RECHAUFFEUR (ASS)	150
CLÉ (COUPE-BATTERIE)	8H-5306	1	ROBINET DE BATTERIE (ASS)	193
CLIGNOTANT ÉLECTRONIQUE (ENS)	108-0358	1	INTERRUPTEUR - SIGNAL (ASS)	198
DISJONCTEUR (ENS) (10A)	6T-3642	1	COMMANDE ÉLECTRONIQUE - CÂBLAGE	210
DISJONCTEUR (ENS) (15A)	3T-2662	1	COMMANDE ÉLECTRONIQUE - CÂBLAGE	210
	6T-3643	1	COMMANDE ÉLECTRONIQUE - CÂBLAGE	210
ENTRAÎNEMENT POUR COURROIE (GYROPHARE)	9X-8139	1	LAMPE - GYROPHARE (ASS)	156
FUSIBLE (10A)	3K-8782	11	COMMANDE ÉLECTRONIQUE - CÂBLAGE	211
FUSIBLE (15A)	8M-8948	3	COMMANDE ÉLECTRONIQUE - CÂBLAGE	211
FUSIBLE (20 A)	8M-0456	1	COMMANDE ÉLECTRONIQUE - CÂBLAGE	211
LAMPE - CLIGNOTANT DE DIRECTION (ASS)	135-0426	2	ÉCLAIRAGE - PROJECTEURS ET CLIGNOTANTS (ASS)	168
LAMPE - CLIGNOTANT DE DIRECTION (ASS) (ARRÊT/ARRIÈRE)	135-0426	2	ÉCLAIRAGE-FEUX D'ARRÊT (ASS)	171
LAMPE-CÔTÉ DROIT (ENS)	5C-8964	1	ÉCLAIRAGE - PROJECTEURS ET CLIGNOTANTS (ASS)	168
LAMPE-CÔTÉ GAUCHE (ENS)	5C-9029	1	ÉCLAIRAGE - PROJECTEURS ET CLIGNOTANTS (ASS)	168
LENTILLE DE PLAFONNIER	7T-0020	1	PLAFONNIER (ASS)	151
LENTILLE (ENS) (PLAFONNIER) (ÉCHELLE/APPOINT)	158-0248	1	LAMPE - PHARE (ASS)	153
LENTILLE (ENS) (PLAFONNIER) (PROJECTEUR DE TRAVAIL DU MOTEUR)	158-0248	1	LAMPE - PHARE (ASS)	152
LENTILLE ORANGE (GYROPHARE)	9X-8121	1	LAMPE - GYROPHARE (ASS)	156
PARE-POUSSIÈRE	6V-0852	2	CÂBLAGE DE TRANSMISSION (ASS)	228

PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
CIRCUIT HYDRAULIQUE				
BOUCHON DE GOULOTTE DE REMPLISSAGE	4J-3754	1	RÉSERVOIR HYDRAULIQUE (ASS)	560
BOUCHON DE VIDANGE	9J-7031	1	RÉSERVOIR HYDRAULIQUE (ASS)	560
BOUCHON-JOINT TORIQUE	9S-8008	1	POMPE A ENGRENAGES (ASS)	552
COUVERCLE - BOUCHON DU RÉSERVOIR HYDRAULIQUE	5D-1902	1	RÉSERVOIR HYDRAULIQUE (ASS)	560
CREPINE (ENS)	3D-6678	1	RÉSERVOIR HYDRAULIQUE (ASS)	560
ÉCRAN (ENS)	9T-9227	2	RÉSERVOIR HYDRAULIQUE (ASS)	560
FILTRE	1G-8878	1	FILTRE A HUILE (ASS)	529
FILTRE À HUILE (ENS)	126-1817	1	FILTRE A HUILE (ASS)	528
PARE-POUSSIÈRE	6V-0852	1	CANALISATIONS HYDRAULIQUES (ASS)	532
		1	CANALISATIONS HYDRAULIQUES DE VENTILATEUR (ASS)	536
		6	COMMANDE PRINCIPALE DE SOUPAPE ET MONTAGE (ASS)	562
	8C-3451	1	COMMANDE PRINCIPALE DE SOUPAPE ET MONTAGE (ASS)	562
ÉQUIPEMENTS				
GRAISSEUR (FILET 1/8-27)	3B-8489	1	STABILISATEUR DE LAME DE BULLDOZER (ASS)	590
MATÉRIEL ET FOURNITURES D'ENTRETIEN				
CADENAS (ASS)	5P-8502	1	PROTECTION ANTIVANDALISME (ASS)	696
CHAPEAU DE FILTRE A HUILE (ENS)	7W-1484	1	PROTECTION ANTIVANDALISME (ASS)	696
CLÉ	5P-8500	1	PROTECTION ANTIVANDALISME (ASS)	696
MOTEUR STANDARD				
BOUCHON DE VIDANGE	5F-0304	1	CARTER DE VOLANT (ASS)	40
BOUCHON DE VIDANGE D'HUILE	109-5839	1	HUILE MOTEUR - CARTER (ASS)	48
JOINT PLAT	4N-1151	2	HUILE MOTEUR - CARTER (ASS)	48
POSTE DE CONDUITE				
AMPOULE JAUNE	163-1883	3	TABLEAU DE BORD (ASS)	654
AMPOULE (24 VOLTS)	7N-5876	2	TABLEAU DE BORD (ASS)	650
		4	TABLEAU DE BORD (ASS)	654
BALAI D'ESSUIE-GLACE (ENS)	6V-7419	2	ESSUIE-GLACE (ASS)	690
CHAPEAU	3W-6398	1	LAVE-GLACE - VITRE (ASS)	688
CLAVETTE - POIGNÉE	3V-7476	1	CONDUIT ET FILTRE À AIR (ASS)	614
CLÉ (PASSE-PARTOUT)	5P-8500	2	LITTÉRATURE (ASS)	635
COLLIER DE FLEXIBLE	9X-2488	4	CANALISATIONS DE CHAUFFAGE (ASS)	634
FILTRE À AIR DE CABINE	107-0266	1	CONDUIT ET FILTRE À AIR (ASS)	614
	112-7448	1	CONDUIT ET FILTRE À AIR (ASS)	614
FLEXIBLE (22 CM)	136-1953		CANALISATIONS DE CHAUFFAGE (ASS)	634
FLEXIBLE (39 CM)	136-1953		CANALISATIONS DE CHAUFFAGE (ASS)	634
TAMIS DE FILTRE	8T-5913	2	LAVE-GLACE - VITRE (ASS)	688

PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
TRANSMISSION				
BOUCHON AIMANTÉ	5P-4484	1	ESSIEU FIXE	236
		1	ESSIEU OSCILLANT	238
BOUCHON FILETÉ	129-0988	1	ENGRENAGE DE TRANSFERT DE RENDEMENT (ASS)	274
ÉLÉMENT DE FILTRE À HUILE (ENS) (HYDRAULIQUE) (TRANSMISSION)	139-1535	1	FILTRE A HUILE (ASS)	266
FILTRE À AIR	8S-7374	1	CARDAN COULISSANT (ASS)	311
FILTRE HYDRAULIQUE (ENS)	1G-8878	1	FILTRE A HUILE (ASS)	268
GRAISSEUR	1K-6853	2	ESSIEU OSCILLANT	238
	3B-8489	1	ARBRE D'ENTRAÎNEMENT (ASS)	308
JOINT TORIQUE	161-4511	1	FILTRE A HUILE (ASS)	266
PARE-POUSSIÈRE	6V-0852	3	CANALISATIONS D'HUILE DE TRANSMISSION (ASS)	288
		1	CONVERTISSEUR DE COUPLE ET CARTER (ASS)	346
	8C-3447	1	CANALISATIONS D'HUILE DE TRANSMISSION (ASS)	288
RENIFLARD	4H-6112	1	CANALISATIONS D'HUILE DE TRANSMISSION (ASS)	288
TAMIS D'ASPIRATION	4S-8598	1	ENGRENAGE DE TRANSFERT DE RENDEMENT (ASS)	275

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
BASTIDOR Y CAJA				
CANDADO (GR)	5P-8502	2	CAPO Y PROTECTOR (GR)	398
		2	TAPA DEL PARAGOLPES (GR)	370
		2	TAPA DEL PARAGOLPES (GR)	372
CONEXIÓN DE ENGRASE (ROSCA DE 1/8-27)	3B-8489	7	TUBERÍAS DE ENGRASE (GR)	414
LLAVE	5P-8500	1	CAPO Y PROTECTOR (GR)	398
		1	TAPA DEL PARAGOLPES (GR)	370
EQUIPO DE SERVICIO Y SUMINISTROS				
CANDADO (GR)	5P-8502	1	GRUPO DE PROTECCIÓN CONTRA EL VANDALISMO	696
LLAVE	5P-8500	1	GRUPO DE PROTECCIÓN CONTRA EL VANDALISMO	696
TAPA DE TUBO DE LLENADO DEL FILTRO DE ACEITE (GR)	7W-1484	1	GRUPO DE PROTECCIÓN CONTRA EL VANDALISMO	696
IMPLEMENTOS				
CONEXIÓN DE ENGRASE (ROSCA DE 1/8-27)	3B-8489	1	ESTABILIZADOR DE LA HOJA TOPADORA (GR)	590
MOTOR BÁSICO				
EMPAQUETADURA	4N-1151	2	CÁRTER - COLECTOR DEL (GR)	48
TAPÓN DE DRENAJE	5F-0304	1	VOLANTE - CAJA DE (GR)	40
TAPON DE DRENAJE DE ACEITE	109-5839	1	CÁRTER - COLECTOR DEL (GR)	48
PUESTO DEL OPERADOR				
ABRAZADERA DE MANGUERA	9X-2488	4	TUBERÍAS DE LA CALEFACCIÓN (GR)	634
FILTRO DE AIRE DE CABINA	107-0266	1	CONDUCTO Y FILTRO DE AIRE (GR)	614
	112-7448	1	CONDUCTO Y FILTRO DE AIRE (GR)	614
HOJA DE LIMPIAPARABRISAS (CONJ)	6V-7419	2	LIMPIAPARABRISAS DE LA VENTANA (GR)	690
LÁMPARA DE LUZ AMARILLA	163-1883	3	TABLERO DE INSTRUMENTOS (GR)	654
LÁMPARA (24 VOLTIOS)	7N-5876	2	TABLERO DE INSTRUMENTOS (GR)	650
		4	TABLERO DE INSTRUMENTOS (GR)	654
LLAVE - MANIJA	3V-7476	1	CONDUCTO Y FILTRO DE AIRE (GR)	614
LLAVE (MAESTRA)	5P-8500	2	PUBLICACIONES (GR)	635
MANGUERA (22 CM)	136-1953		TUBERÍAS DE LA CALEFACCIÓN (GR)	634
MANGUERA (39 CM)	136-1953		TUBERÍAS DE LA CALEFACCIÓN (GR)	634
REJILLA DE FILTRO	8T-5913	2	LAVAPARABRISAS DE LA VENTANA (GR)	688
TAPA	3W-6398	1	LAVAPARABRISAS DE LA VENTANA (GR)	688
SISTEMA DE AIRE DE ADMISIÓN Y ESCAPE				
ELEMENTO PRIMARIO DEL FILTRO DE AIRE (CONJ)	6I-2509	1	FILTRO DE AIRE (GR)	93
ELEMENTO SECUNDARIO DEL FILTRO DE AIRE (CONJ)	6I-2510	1	FILTRO DE AIRE (GR)	93
INDICADOR DE SERVICIO DEL FILTRO DE AIRE	1W-0613	1	AIRE - TUBERÍAS DE (GR)	96

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
SISTEMA DE COMBUSTIBLE				
COLADOR DE COMBUSTIBLE	9P-7121	1	COMBUSTIBLE - TANQUE DE (GR)	122
ELEMENTO DE FILTRO	129-0373	1	FILTRO DE COMBUSTIBLE Y SEPARADOR DE AGUA (GR)	109
EMPAQUETADURA (BOMBA DE CEBADO DE COMBUSTIBLE)	1P-0436	1	FILTRO DE COMBUSTIBLE (GR)	108
		1	TUBERÍAS DE COMBUSTIBLE (GR)	116
FILTRO DE COMBUSTIBLE (CONJ)	1R-0749	1	FILTRO DE COMBUSTIBLE (GR)	108
FILTRO DE COMBUSTIBLE Y SEPARADOR DE AGUA (CONJ) (PRIMARIO)	129-0372	1	FILTRO DE COMBUSTIBLE Y SEPARADOR DE AGUA (GR)	109
SELLO ANULAR (DI DE 110,49 MM)	9X-8600	1	ADAPTADOR DE LLENADO RÁPIDO DE COMBUSTIBLE (GR)	107
TAPA CONTRA EL POLVO	9D-0630	1	ADAPTADOR DE LLENADO RÁPIDO DE COMBUSTIBLE (GR)	107
TAPA DEL TANQUE DE COMBUSTIBLE (CONJ) (CON ABERTURA DE DESCARGA)	123-6305	1	COMBUSTIBLE-LLENADO CONVENCIONAL (CONFIG)	110
TAPA DEL TUBO DE LLENADO DEL TANQUE DE COMBUSTIBLE (CONJ)	101-8909	1	ADAPTADOR DE LLENADO RÁPIDO DE COMBUSTIBLE (GR)	107
SISTEMA DE DIRECCIÓN				
CONEXIÓN DE ENGRASE (ROSCA DE 1/8-27)	3B-8489	2	CILINDRO DE DIRECCIÓN Y MONTAJE (GR)	463
TAPA CONTRA EL POLVO	6V-0852	2	TUBERÍAS DE DIRECCIÓN (GR)	470
		1	TUBERÍAS DE LA DIRECCIÓN SECUNDARIA (GR)	466
		1	VÁLVULA DE DIRECCIÓN Y MONTAJE (GR)	487
SISTEMA DE ENFRIAMIENTO				
FILTRO DE LA BOMBA DE AGUA	136-3742	1	BOMBA DE AGUA (GR)	82
REGULADOR DE TEMPERATURA DEL AGUA (92 GR C)	4W-4794	1	TUBERÍAS DEL AGUA (GR)	80
TAPA DEL RADIADOR	6L-8617	1	RADIADOR (GR)	84
SISTEMA DE FRENOS				
TAPA CONTRA EL POLVO	6V-0852	5	FRENO DE SERVICIO - CONTROL (GR)	444
	8C-3451	1	FRENO DE SERVICIO - CONTROL (GR)	444
SISTEMA DE LUBRICACIÓN				
FILTRO DE ACEITE DEL MOTOR (CONJ)	1R-0716	1	FILTRO DE ACEITE DEL MOTOR (GR)	64
TAPA CONTRA EL POLVO	8C-3445	1	FILTRO DE ACEITE DEL MOTOR (GR)	64
TAPA DEL TUBO DE LLENADO DE ACEITE	9L-8439	1	TUBO DE LLENADO DE ACEITE (GR)	62

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
SISTEMA ELECTRICO Y DE ARRANQUE				
BATERÍA (LIBRE DE MANTENIMIENTO)(12 VOLTIOS)	3T-5760	4	BATERÍA Y CABLES (GR)	129
DESTELLADOR ELECTRONICO (CONJ)	108-0358	1	INTERRUPTOR DEL SEÑALERO (GR)	198
DISYUNTOR (CONJ) (10 A)	6T-3642	1	CABLES DEL CONTROL ELECTRÓNICO (GR)	210
DISYUNTOR (CONJ) (15 A)	3T-2662	1	CABLES DEL CONTROL ELECTRÓNICO (GR)	210
	6T-3643	1	CABLES DEL CONTROL ELECTRÓNICO (GR)	210
FUSIBLE (10 A)	3K-8782	11	CABLES DEL CONTROL ELECTRÓNICO (GR)	211
FUSIBLE (15 A)	8M-8948	3	CABLES DEL CONTROL ELECTRÓNICO (GR)	211
FUSIBLE (20 A)	8M-0456	1	CABLES DEL CONTROL ELECTRÓNICO (GR)	211
LÁMPARA (BALIZA GIRATORIA DE ADVERTENCIA)	9X-7849	1	LÁMPARA DE BALIZA DE ADVERTENCIA (GR)	156
LAMPARA DERECHA (CONJ)	5C-8964	1	LUCES DE REFLECTOR Y CAMBIO DE DIRECCION (GR)	168
LAMPARA IZQUIERDA (CONJ)	5C-9029	1	LUCES DE REFLECTOR Y CAMBIO DE DIRECCION (GR)	168
LÁMPARA (24 VOLTIOS)	9X-4493	2	LUCES DE REFLECTOR Y CAMBIO DE DIRECCION (GR)	168
LÁMPARA (24 VOLTIOS) (CÚPULA)	7N-9943	1	LÁMPARA DEL TECHO (GR)	151
LÁMPARA (24 VOLTIOS) (LUCES DE TRABAJO DEL MOTOR)	9X-3463	1	REFLECTOR (GR)	152
LÁMPARA (24 VOLTIOS) (RETROCESO/ESCALERILLA)	9X-3463	1	REFLECTOR (GR)	153
LENTE AMBAR (BALIZA GIRATORIA DE ADVERTENCIA)	9X-8121	1	LÁMPARA DE BALIZA DE ADVERTENCIA (GR)	156
LENTE DE LAMPARA DEL TECHO	7T-0020	1	LÁMPARA DEL TECHO (GR)	151
LLAVE (DESCONECTAR BATERIA)	8H-5306	1	DISYUNTOR (GR)	193
LUZ DE SEÑAL DE GIRO (GR)	135-0426	2	LUCES DE REFLECTOR Y CAMBIO DE DIRECCION (GR)	168
LUZ DE SEÑAL DE GIRO (GR) (PARADA/TRASERA)	135-0426	2	LUCES DE PARADA (GR)	171
MANDO DE CORREA (BALIZA GIRATORIA DE ADVERTENCIA)	9X-8139	1	LÁMPARA DE BALIZA DE ADVERTENCIA (GR)	156
TAPA CONTRA EL POLVO	6V-0852	2	CABLES DEL TREN DE FUERZA (GR)	228
TAPA CONTRA EL POLVO (CONJ)	133-6517	1	AGUA DE LAS CAMISAS - CALENTADOR DEL (GR)	149
		1	AGUA DE LAS CAMISAS - CALENTADOR DEL (GR)	150
TAPA DEL TANQUE DE COMBUSTIBLE (CONJ)	123-6305	1	CALENTADOR DE COMBUSTIBLE	145
VIDRIO (CONJ) (REFLECTOR) (ESCALERILLA/RETROCESO)	158-0248	1	REFLECTOR (GR)	153
VIDRIO (CONJ) (REFLECTOR) (TRABAJO DE MOTOR)	158-0248	1	REFLECTOR (GR)	152

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
SISTEMA HIDRÁULICO				
COLADOR (CONJ)	3D-6678	1	TANQUE HIDRÁULICO (GR)	560
FILTRO	1G-8878	1	FILTRO DE ACEITE (GR)	529
FILTRO DE ACEITE (CONJ)	126-1817	1	FILTRO DE ACEITE (GR)	528
PANTALLA (CONJ)	9T-9227	2	TANQUE HIDRÁULICO (GR)	560
TAPA CONTRA EL POLVO	6V-0852	6	MONTAJE Y VALVULA DEL CONTROL PRINCIPAL (GR)	562
		1	TUBERÍAS HIDRÁULICAS DEL VENTILADOR (GR)	536
		1	TUBERÍAS HIDRÁULICAS (GR)	532
	8C-3451	1	MONTAJE Y VALVULA DEL CONTROL PRINCIPAL (GR)	562
TAPA DEL TUBO DE LLENADO	4J-3754	1	TANQUE HIDRÁULICO (GR)	560
TAPA PROTECTORA DEL TANQUE HIDRÁULICO	5D-1902	1	TANQUE HIDRÁULICO (GR)	560
TAPÓN	9S-8008	1	BOMBA DE ENGRANAJES (GR)	552
TAPÓN DE DRENAJE	9J-7031	1	TANQUE HIDRÁULICO (GR)	560
TREN DE FUERZA				
CONEXIÓN	1K-6853	2	EJE OSCILANTE (GR)	238
CONEXIÓN DE ENGRASE	3B-8489	1	EJE DE MANDO (GR)	308
ELEMENTO DE FILTRO DE ACEITE (CONJ) (HIDRAULICO) (TREN DE FUERZA)	139-1535	1	FILTRO DE ACEITE (GR)	266
FILTRO DE AIRE	8S-7374	1	JUNTA DESLIZANTE (GR)	311
FILTRO HIDRÁULICO (CONJ)	1G-8878	1	FILTRO DE ACEITE (GR)	268
REJILLA DE SUCCIÓN	4S-8598	1	ENGRANAJE DE TRANSFERENCIA DE SALIDA	275
RESPIRADERO	4H-6112	1	TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR)	288
SELLO ANULAR	161-4511	1	FILTRO DE ACEITE (GR)	266
TAPA CONTRA EL POLVO	6V-0852	1	CONVERTIDOR DE PAR Y CAJA (GR)	346
		3	TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR)	288
	8C-3447	1	TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR)	288
TAPÓN	129-0988	1	ENGRANAJE DE TRANSFERENCIA DE SALIDA	274
TAPÓN MAGNÉTICO	5P-4484	1	EJE FIJO (GR)	236
		1	EJE OSCILANTE (GR)	238

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
ACESSÓRIOS				
GRAXEIRA (ROSCA 1/8-27 POL)	3B-8489	1	ESTABILIZADOR DA LÂMINA	590
CHASSI E CARROCERIA				
CADEADO	5P-8502	2	CAPÔ E PROTETOR	398
		2	TAMPA - PÁRA-CHOQUE	370
		2	TAMPA - PÁRA-CHOQUE	372
CHAVE	5P-8500	1	CAPÔ E PROTETOR	398
		1	TAMPA - PÁRA-CHOQUE	370
GRAXEIRA (ROSCA 1/8-27 POL)	3B-8489	7	TUBOS - GRAXA	414
EQUIPAMENTOS DE SERVIÇO E SUPRIMENTOS				
CADEADO	5P-8502	1	PROTEÇÃO CONTRA VANDALISMO	696
CHAVE	5P-8500	1	PROTEÇÃO CONTRA VANDALISMO	696
PROTETOR DO FILTRO DE ÓLEO	7W-1484	1	PROTEÇÃO CONTRA VANDALISMO	696
ESTAÇÃO DO OPERADOR				
BRAÇADEIRA DE MANGUEIRA	9X-2488	4	TUBOS - AQUECEDOR	634
CHAVE - ALAVANCA	3V-7476	1	DUCTO E FILTRO	614
CHAVE (MESTRE)	5P-8500	2	PUBLICAÇÃO	635
FILTRO - TELA	8T-5913	2	LAVADOR DO VIDRO	688
FILTRO DE AR DE CABINA	107-0266	1	DUCTO E FILTRO	614
	112-7448	1	DUCTO E FILTRO	614
LÂMINA DO LIMPADOR DE PÁRA-BRISA	6V-7419	2	LIMPADOR DO VIDRO	690
LÂMPADA AMARELA	163-1883	3	PAINEL DE INSTRUMENTOS	654
LÂMPADA (24 V)	7N-5876	2	PAINEL DE INSTRUMENTOS	650
		4	PAINEL DE INSTRUMENTOS	654
MANGUEIRA (22 CM)	136-1953		TUBOS - AQUECEDOR	634
MANGUEIRA (39 CM)	136-1953		TUBOS - AQUECEDOR	634
TAMPA	3W-6398	1	LAVADOR DO VIDRO	688
MOTOR BÁSICO				
BUJÃO - DRENAGEM DO ÓLEO	109-5839	1	CÁRTER DO ÓLEO DO MOTOR	48
BUJÃO DO DRENO	5F-0304	1	CAIXA DO VOLANTE DO MOTOR	40
JUNTA	4N-1151	2	CÁRTER DO ÓLEO DO MOTOR	48
SISTEMA DA ADMISSÃO DE AR E DE ESCAPE				
ELEMENTO DO FILTRO PRIMÁRIO DE AR	6I-2509	1	PURIFICADOR DE AR	93
ELEMENTO DO FILTRO SECUNDÁRIO DE AR	6I-2510	1	PURIFICADOR DE AR	93
INDICADOR - LIMPEZA DO FILTRO DE AR	1W-0613	1	TUBOS - AR	96
SISTEMA DE ARREFECIMENTO				
FILTRO - BOMBA DE ÁGUA	136-3742	1	BOMBA DE ÁGUA	82
REGULADOR DE TEMPERATURA DA ÁGUA (92 GRAUS CENTÍGRADOS)	4W-4794	1	TUBOS - ÁGUA	80
TAMPA - RADIADOR	6L-8617	1	RADIADOR	84

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
SISTEMA DE COMBUSTÍVEL				
ELEMENTO - FILTRANTE	129-0373	1	FILTRO DE COMBUSTÍVEL E SEPARADOR DE ÁGUA	109
FILTRO - COMBUSTÍVEL	1R-0749	1	FILTRO - COMBUSTÍVEL	108
	9P-7121	1	TANQUE DE COMBUSTÍVEL	122
FILTRO - SEPARADOR DE ÁGUA E COMBUSTÍVEL (PRIMÁRIO)	129-0372	1	FILTRO DE COMBUSTÍVEL E SEPARADOR DE ÁGUA	109
JUNTA (BOMBA DE ESCORVA DE COMBUSTÍVEL)	1P-0436	1	FILTRO - COMBUSTÍVEL	108
		1	TUBOS - COMBUSTÍVEL	116
PROTETOR CONTRA POEIRA	9D-0630	1	ADAPTADOR - ABASTECIMENTO RÁPIDO DE COMBUSTÍVEL	107
RETENTOR DE ANEL-O (DIÂMETRO INTERNO DE 110,49 MM)	9X-8600	1	ADAPTADOR - ABASTECIMENTO RÁPIDO DE COMBUSTÍVEL	107
TAMPA DO BOCAL DE ENCHIMENTO DO TANQUE DE COMBUSTÍVEL	101-8909	1	ADAPTADOR - ABASTECIMENTO RÁPIDO DE COMBUSTÍVEL	107
TAMPA DO TANQUE DE COMBUSTÍVEL (VENTILADO)	123-6305	1	COMBUSTÍVEL - ABASTECIMENTO CONVENCIONAL	110
SISTEMA DE DIREÇÃO				
GRAXEIRA (ROSCA 1/8-27 POL)	3B-8489	2	CILINDRO DE DIREÇÃO E MONTAGEM	463
TAMPA CONTRA POEIRA	6V-0852	2	TUBOS - DIREÇÃO	470
		1	TUBOS - DIREÇÃO SECUNDÁRIA	466
		1	VÁLVULA DA DIREÇÃO E MONTAGEM	487
SISTEMA DE FREIO				
TAMPA CONTRA POEIRA	6V-0852	5	CONTROLE DO FREIO DE SERVIÇO	444
	8C-3451	1	CONTROLE DO FREIO DE SERVIÇO	444
SISTEMA DE LUBRIFICAÇÃO				
FILTRO - ÓLEO DO MOTOR	1R-0716	1	FILTRO - ÓLEO DO MOTOR	64
TAMPA - BOCAL DE ENCHIMENTO DE ÓLEO	9L-8439	1	BOCAL DE ENCHIMENTO DE ÓLEO DO MOTOR	62
TAMPA CONTRA POEIRA	8C-3445	1	FILTRO - ÓLEO DO MOTOR	64

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
SISTEMA ELÉTRICO E DE PARTIDA				
BATERIA (LIVRE DE MANUTENÇÃO)(12 VOLTS)	3T-5760	4	BATERIA E CABOS / FIOS ELÉTRICOS	129
CHAVE (DESCONECTAR A BATERIA)	8H-5306	1	CHAVE GERAL	193
CORREIA DE COMANDO (PISCA-PISCA DE ADVERTÊNCIA)	9X-8139	1	LUZ GIRATÓRIA DE ALARME	156
DISJUNTOR AUTOMÁTICO DE CIRCUITO (10 A)	6T-3642	1	CABOS/FIOS ELÉTRICOS - CONTROLE ELETRÔNICO	210
DISJUNTOR AUTOMÁTICO DE CIRCUITO (15 A)	3T-2662	1	CABOS/FIOS ELÉTRICOS - CONTROLE ELETRÔNICO	210
	6T-3643	1	CABOS/FIOS ELÉTRICOS - CONTROLE ELETRÔNICO	210
FUSÍVEL (10 A)	3K-8782	11	CABOS/FIOS ELÉTRICOS - CONTROLE ELETRÔNICO	211
FUSÍVEL (15 A)	8M-8948	3	CABOS/FIOS ELÉTRICOS - CONTROLE ELETRÔNICO	211
FUSÍVEL (20 A)	8M-0456	1	CABOS/FIOS ELÉTRICOS - CONTROLE ELETRÔNICO	211
LÂMPADA - LADO DIREITO	5C-8964	1	SISTEMA DE ILUMINAÇÃO - FARÓIS E SINAL	168
LÂMPADA - LADO ESQUERDO	5C-9029	1	SISTEMA DE ILUMINAÇÃO - FARÓIS E SINAL	168
LÂMPADA - SINALIZAÇÃO	135-0426	2	SISTEMA DE ILUMINAÇÃO - FARÓIS E SINAL	168
LÂMPADA - SINALIZAÇÃO (FREIO E TRASEIRA)	135-0426	2	ILUMINAÇÃO - FREIOS	171
LÂMPADA (PISCA-PISCA DE ADVERTÊNCIA)	9X-7849	1	LUZ GIRATÓRIA DE ALARME	156
LÂMPADA (24 V)	9X-4493	2	SISTEMA DE ILUMINAÇÃO - FARÓIS E SINAL	168
LÂMPADA (24 V) (FAROL) (ESCADA - RÉ)	9X-3463	1	LÂMPADA - FAROL	153
LÂMPADA (24 V) (FAROL) (MOTOR FUNCIONANDO)	9X-3463	1	LÂMPADA - FAROL	152
LÂMPADA (24 V) (TETO)	7N-9943	1	LÂMPADA - TETO	151
LENTE ÂMBAR (PISCA-PISCA DE ADVERTÊNCIA)	9X-8121	1	LUZ GIRATÓRIA DE ALARME	156
LENTE DA LÂMPADA DO TETO	7T-0020	1	LÂMPADA - TETO	151
LENTE (HOLOFOTE) (ESCADA - RÉ)	158-0248	1	LÂMPADA - FAROL	153
LENTE (HOLOFOTE) (TRABALHO NO MOTOR)	158-0248	1	LÂMPADA - FAROL	152
PISCA-PISCA ELETRÔNICO	108-0358	1	INTERRUPTOR DE SINALIZAÇÃO	198
TAMPA CONTRA POEIRA	6V-0852	2	CABOS/FIOS ELÉTRICOS - TREM DE FORÇA	228
	133-6517	1	AQUECEDOR DA ÁGUA DO MOTOR	149
		1	AQUECEDOR DA ÁGUA DO MOTOR	150
TAMPA DO TANQUE DE COMBUSTÍVEL	123-6305	1	AQUECEDOR - COMBUSTÍVEL	145

PEÇAS DE MANUTENÇÃO

DESCRIÇÃO	NÚMERO DE PEÇA	QUANT	UTILIZADA EM	PÁGINA
SISTEMA HIDRÁULICO				
BUJÃO - ANEL O	9S-8008	1	BOMBA DE ENGRENAGENS	552
BUJÃO DO DRENO	9J-7031	1	TANQUE HIDRÁULICO	560
FILTRO	1G-8878	1	FILTRO - ÓLEO	529
FILTRO - ÓLEO	126-1817	1	FILTRO - ÓLEO	528
TAMPA - BOCAL DE ENCHIMENTO	4J-3754	1	TANQUE HIDRÁULICO	560
TAMPA CONTRA POEIRA	6V-0852	1	TUBOS - ÓLEO HIDRÁULICO	532
		1	TUBOS - VENTILADOR HIDRÁULICOS	536
		6	VÁLVULA DO CONTROLE PRINCIPAL E MONTAGEM	562
	8C-3451	1	VÁLVULA DO CONTROLE PRINCIPAL E MONTAGEM	562
TAMPA DO RESERVATÓRIO HIDRÁULICO	5D-1902	1	TANQUE HIDRÁULICO	560
TELA FILTRANTE	3D-6678	1	TANQUE HIDRÁULICO	560
	9T-9227	2	TANQUE HIDRÁULICO	560
TREM DE FORÇA				
BUJÃO MAGNÉTICO	5P-4484	1	EIXO FIXO	236
		1	EIXO OSCILANTE	238
CONEXÃO	1K-6853	2	EIXO OSCILANTE	238
ELEMENTO FILTRANTE - ÓLEO (HIDRÁULICO) (TREM DE FORÇA)	139-1535	1	FILTRO - ÓLEO	266
FILTRO - AR	8S-7374	1	JUNTA CORREDIÇA	311
FILTRO - HIDRÁULICO	1G-8878	1	FILTRO - ÓLEO	268
GRAXEIRA	3B-8489	1	EIXO DE TRANSMISSÃO	308
RESPIRO	4H-6112	1	TUBOS - ÓLEO DA TRANSMISSÃO	288
RETENTOR DE ANEL-O	161-4511	1	FILTRO - ÓLEO	266
TAMPA CONTRA POEIRA	6V-0852	1	CONVERSOR DE TORQUE E CARCAÇA	346
		3	TUBOS - ÓLEO DA TRANSMISSÃO	288
	8C-3447	1	TUBOS - ÓLEO DA TRANSMISSÃO	288
TAMPÃO	129-0988	1	ENGRENAGENS DE SAÍDA DE TRANSFERÊNCIA	274
TELA DE SUCÇÃO	4S-8598	1	ENGRENAGENS DE SAÍDA DE TRANSFERÊNCIA	275

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
ARBEITSGERÄTE				
SCHMIERNIPPEL (1/8-27-GEWINDE)	3B-8489	1	STABILISATOR - PLANIERSCHILD	590
BREMSSYSTEM				
STAUBKAPPE	6V-0852	5	BREMSGESTÄNGE	444
	8C-3451	1	BREMSGESTÄNGE	444
ELEKTRISCHE ANLAGE U. STARTSYSTEM				
ABDECKGLAS (ARBEITSSCHEINWERFER) (LEITER/RÜCKWÄRTSFAHRT)	158-0248	1	ARBEITSLEUCHTEN	153
ABDECKGLAS (ARBEITSSCHEINWERFER) (MOTORLEUCHTE)	158-0248	1	ARBEITSLEUCHTEN	152
ABDECKGLAS (GELB) (RUNDUM-KENNLEUCHTE)	9X-8121	1	RUNDUM-KENNLEUCHTE	156
BATTERIE (WARTUNGSFREI) (12 V)	3T-5760	4	BATTERIE UND VERDRAHTUNG	129
BLINKLEUCHTE	135-0426	2	ARBEITS- U. SIGNALLEUCHTE	168
BLINKLEUCHTE (BREMS-/RÜCKLEUCHTE)	135-0426	2	BREMSBELEUCHTUNG	171
ELEKTRON. BLINKER	108-0358	1	RICHTUNGSSIGNALSCHALTER	198
FAHRERHAUSLEUCHTENLINSE	7T-0020	1	FAHRERHAUSBELEUCHTUNG	151
KRAFTSTOFFTANKKAPPE	123-6305	1	KRAFTSTOFFHEIZUNG	145
LAUFBAND UND ANTRIEB (RUNDUM-KENNLEUCHTE)	9X-8139	1	RUNDUM-KENNLEUCHTE	156
LEUCHTE - RECHTS	5C-8964	1	ARBEITS- U. SIGNALLEUCHTE	168
LEUCHTE, LINKS	5C-9029	1	ARBEITS- U. SIGNALLEUCHTE	168
LEUCHTE (RUNDUM-KENNLEUCHTE)	9X-7849	1	RUNDUM-KENNLEUCHTE	156
LEUCHTE (24 V)	9X-4493	2	ARBEITS- U. SIGNALLEUCHTE	168
LEUCHTE (24 V) (ARBEITSSCHEINWERFER)(RÜCKFAHRLEUCHTE)	9X-3463	1	ARBEITSLEUCHTEN	153
LEUCHTE (24 V) (ARBEITSSCHEINWERFER)(MOTORRAUMLEUCHTE)	9X-3463	1	ARBEITSLEUCHTEN	152
LEUCHTE (24 V) (FAHRERHAUSDACH)	7N-9943	1	FAHRERHAUSBELEUCHTUNG	151
SCHLÜSSEL (HAUPTSCHALTER)	8H-5306	1	TRENNSCHALTER	193
SICHERUNG (10 A)	3K-8782	11	VERDRAHTUNG (ELEKTRON. STEUERUNG)	211
SICHERUNG (15 A)	8M-8948	3	VERDRAHTUNG (ELEKTRON. STEUERUNG)	211
SICHERUNG (20 A)	8M-0456	1	VERDRAHTUNG (ELEKTRON. STEUERUNG)	211
STAUBKAPPE	6V-0852	2	KRAFTÜBERTRAGUNGSVERDRAHTUNG	228
	133-6517	1	UMLAUFKÜHLWASSERHEIZUNG	149
		1	UMLAUFKÜHLWASSERHEIZUNG	150
UNTERBRECHER (10 A)	6T-3642	1	VERDRAHTUNG (ELEKTRON. STEUERUNG)	210
UNTERBRECHER (15 A)	3T-2662	1	VERDRAHTUNG (ELEKTRON. STEUERUNG)	210
	6T-3643	1	VERDRAHTUNG (ELEKTRON. STEUERUNG)	210

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
FAHRERHAUS				
FAHRERHAUSLUFTFILTER	107-0266	1	LUFTKANAL U. FILTER	614
	112-7448	1	LUFTKANAL U. FILTER	614
FILTERSIEB	8T-5913	2	SCHEIBENWASCHANLAGE	688
KAPPE	3W-6398	1	SCHEIBENWASCHANLAGE	688
LEUCHTE - GELB	163-1883	3	INSTRUMENTENTAFEL	654
LEUCHTE (24 V)	7N-5876	2	INSTRUMENTENTAFEL	650
		4	INSTRUMENTENTAFEL	654
SCHEIBENWISCHERBLATT	6V-7419	2	SCHEIBENWISCHER	690
SCHLAUCHLEITUNG (22 CM)	136-1953		HEIZUNGSLEITUNGEN	634
SCHLAUCHLEITUNG (39 CM)	136-1953		HEIZUNGSLEITUNGEN	634
SCHLAUCHSCHELLE	9X-2488	4	HEIZUNGSLEITUNGEN	634
SCHLÜSSEL (HAUPTSCHLÜSSEL)	5P-8500	2	DOKUMENTATION	635
SCHLÜSSELGRIFF	3V-7476	1	LUFTKANAL U. FILTER	614
HYDRAULIKSYSTEM				
ABLASSTOPFEN	9J-7031	1	HYDRAULIKTANK	560
EINFÜLLSTUTZENKAPPE	4J-3754	1	HYDRAULIKTANK	560
FILTER	1G-8878	1	ÖLFILTER	529
FILTERSIEB	3D-6678	1	HYDRAULIKTANK	560
HYDRAULIKTANKKAPPENDECKEL	5D-1902	1	HYDRAULIKTANK	560
O-RING-STOPFEN	9S-8008	1	ZAHNRADPUMPE	552
ÖLFILTER	126-1817	1	ÖLFILTER	528
SIEB	9T-9227	2	HYDRAULIKTANK	560
STAUBKAPPE	6V-0852	1	HYDRAULIKLEITUNGEN	532
		1	HYDRAULIKLÜFTERLEITUNGEN	536
		6	VENTIL UND BEFESTIGUNGSTEILE - HAUPTSTEUERUNG	562
	8C-3451	1	VENTIL UND BEFESTIGUNGSTEILE - HAUPTSTEUERUNG	562
KRAFTSTOFFSYSTEM				
DICHTUNG (KRAFTSTOFFENTLÜF- TUNGSPUMPE)	1P-0436	1	KRAFTSTOFFFILTER	108
		1	KRAFTSTOFFLEITUNGEN	116
FILTER	129-0373	1	WASSERABSCHIEDER- U. KRAFTSTOFFFILTER	109
KRAFTSTOFFFILTER	1R-0749	1	KRAFTSTOFFFILTER	108
KRAFTSTOFFKAPPE	101-8909	1	SCHNELLBETANKUNGSANSCHLUSS	107
KRAFTSTOFFSIEB	9P-7121	1	KRAFTSTOFFTANK	122
KRAFTSTOFFTANKKAPPE (ENTLÜFTET)	123-6305	1	KRAFTSTOFFEINFÜLLVORRICHTUNG (STANDARD)	110
O-RING-DICHTUNG (110,49 MM INNENDURCHMESSER)	9X-8600	1	SCHNELLBETANKUNGSANSCHLUSS	107
STAUBDECKEL	9D-0630	1	SCHNELLBETANKUNGSANSCHLUSS	107
WASSERABSCHIEDER UND KRAFTSTOFFFILTER (HAUPTLEMENT)	129-0372	1	WASSERABSCHIEDER- U. KRAFTSTOFFFILTER	109

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
KRAFTÜBERTRAGUNG				
ANSAUGSIEB	4S-8598	1	VERTEILERGETRIEBEANTRIEB	275
ENTLÜFTER	4H-6112	1	ÖLLEITUNGEN - KRAFTÜBERTRAGUNG	288
HYDRAULIKFILTER	1G-8878	1	ÖLFILTER	268
LUFTFILTER	8S-7374	1	ANTRIEBSWELLEN-KEILVERZÄH- NUNG	311
MAGNETSTOPFEN	5P-4484	1	PENDELACHSE	238
		1	STARRACHSE	236
NIPPEL	1K-6853	2	PENDELACHSE	238
O-RING-DICHTUNG	161-4511	1	ÖLFILTER	266
ÖLFILTERELEMENT (HYDRAULISCH) (KRAFTÜBERTRAGUNG)	139-1535	1	ÖLFILTER	266
SCHMIERNIPPEL	3B-8489	1	ANTRIEBSWELLE	308
SCHRAUBE	129-0988	1	VERTEILERGETRIEBEANTRIEB	274
STAUBKAPPE	6V-0852	1	DREHZAHLWANDLER U. GEHÄUSE	346
		3	ÖLLEITUNGEN - KRAFTÜBERTRAGUNG	288
	8C-3447	1	ÖLLEITUNGEN - KRAFTÜBERTRAGUNG	288
KÜHLSYSTEM				
KÜHLERKAPPE	6L-8617	1	KÜHLER	84
WASSERPUMPENFILTER	136-3742	1	KÜHLWASSERPUMPE	82
WASSEITEMPERATURREGLER (92 GRAD CELSIUS)	4W-4794	1	KÜHLWASSERLEITUNGEN	80
LENKSYSTEM				
SCHMIERNIPPEL (1/8-27-GEWINDE)	3B-8489	2	LENKZYLINDER UND AUFHÄNGUNG	463
STAUBKAPPE	6V-0852	2	LENKÖLLEITUNGEN	470
		1	LENKVENTIL U. BEFESTIGUNGSTEILE	487
		1	NOTLENKUNGSLEITUNGEN	466
LUFTANSAUG- UND ABGASSYSTEM				
HAUPTFILTER	6I-2509	1	LUFTREINIGER	93
LUFTFILTER-WARTUNGSANZEIGE	1W-0613	1	DRUCKLUFTLEITUNGEN	96
SICHERHEITSFILTER	6I-2510	1	LUFTREINIGER	93
MOTOR (GRUNDAUSFÜHRUNG)				
ABLASSTOPFEN	5F-0304	1	SCHWUNGRADGEHÄUSE	40
DICHTUNG	4N-1151	2	ÖLWANNE	48
ÖLABLASSSCHRAUBE	109-5839	1	ÖLWANNE	48
RAHMEN UND FAHRGESTELL				
SCHLÜSSEL	5P-8500	1	MOTORHAUBE UND VERKLEIDUNG	398
		1	STOSSSTANGENVERKLEIDUNG	370
SCHMIERNIPPEL (1/8-27-GEWINDE)	3B-8489	7	SCHMIERLEITUNGEN	414
VORHÄNGESCHLOSS	5P-8502	2	MOTORHAUBE UND VERKLEIDUNG	398
		2	STOSSSTANGENVERKLEIDUNG	370
		2	STOSSSTANGENVERKLEIDUNG	372

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
SCHMIERSYSTEM				
ÖLEINFÜLLKAPPE	9L-8439	1	MOTORÖLEINFÜLLSTUTZEN	62
ÖLFILTER	1R-0716	1	ÖLFILTER	64
STAUBKAPPE	8C-3445	1	ÖLFILTER	64
WARTUNGSAUSRÜSTUNG UND -ZUBEHÖR				
ÖLFILTERKAPPE	7W-1484	1	SCHUTZABDECKUNG	696
SCHLÜSSEL	5P-8500	1	SCHUTZABDECKUNG	696
VORHÄNGESCHLOSS	5P-8502	1	SCHUTZABDECKUNG	696

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VERDRAHTUNG (ELEKTRON. STEUERUNG)	210	ZYLINDERKOPF	22
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VERDRAHTUNG, VORNE	220		25
VERDRAHTUNGSGEHÄUSE	142	ZYLINDERKOPFSTOPFEN	53
VERDRAHTUNGSSATZ (LUFTGEFEDERTER SITZ)	684		
VERSTELLBARER SITZ	666		
VERTEILERGETRIEBANTRIEB	270		
	274		
VORDERRAHMEN	387		
VORHÄNGESCHLOSS	370		
	372		
	398		
	696		
VORSTEUERLEITUNGEN	544		
VORSTEUERSTELLANTRIEB	510		
VORSTEUERVENTIL	493		
VORSTEUERVENTIL (STIC-LENKUNG)	460		
W			
WÄHLENSOR	122		
WÄRMESCHIRM	103		
WARNAUFKLEBER (NICHT HEBEN)	694		
WARNAUFKLEBER (STARTHILFE)	695		
WARNHORN (24 VOLT)(HOCHTON)	563		
WARNHORN (24V)(NIEDERTON)	562		
WARNLEUCHTEN	172		
WARNSCHILD (MASCHINENBETRIEB)	694		
WARNSCHILD (QUETSCHGEFAHR)	695		
WARNVORRICHTUNG	125		

* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

MACHINE ARRANGEMENT

203 - 1568 CHASSIS AR

S/N: BPC1-UP

PART OF 203-1565 COMMON AR

SMCS-7000

i01622672

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	114-5136	1	AFTERCOOLER GP-AIR						90
Y	197-6885	1	BUMPER GP-REAR						366
Y	114-5172	1	CONDENSER GP-REFRIGERANT						606
Y	143-3980	1	COOLER GP-HYDRAULIC OIL						516
Y	172-0089	1	COUNTERWEIGHT GP						368
Y	142-2617	1	COVER GP-CONTROL VALVE						374
Y	160-4327	1	FAN GP-SUCTION						77
Y	114-5126	1	FIREWALL GP						386
Y	142-1760	1	FRAME AS-FRONT						387
	208-2381	1	FRAME AS-REAR						
Y	114-5137	1	GUARD GP-POWER TRAIN						390
Y	114-5123	1	GUARD GP-RADIATOR						392
Y	170-7118	1	HARDWARE GP-CAB SUPPORT						618
Y	114-5118	1	HITCH GP-ARTICULATING						396
Y	114-5122	1	HOOD & GUARD GP						398
Y	147-9537	1	LADDER GP						406
Y	114-5142	1	LINES GP-AIR CONDITIONER						628
Y	204-6672	1	LINES GP-FUEL						116
Y	154-0931	1	LINES GP-GREASE						414
Y	142-1757	1	LINK GP-STEERING FRAME LOCK						416
Y	6V-1970	1	LITERATURE GP						635
Y	115-1527	1	MIRROR GP-REAR VIEW						636
Y	202-9739	1	OPERATOR AR						646
Y	163-1034	1	PANEL GP-SIDE (RH)						418
Y	143-3997	1	PLATE & FILM GP						694
Y	143-8939	1	PLATFORM GP-OPERATOR						662
Y	143-3999	1	RADIATOR GP						84
Y	114-5176	1	STARTING AID GP-ETHER						186
Y	114-5138	1	SUPPORT GP-TRANSMISSION						312
Y	142-1765	1	TANK GP-FUEL						122
Y	4C-8195	1	TOOL GP-CONTROL SERVICE						697
Y	153-0460	1	WASHER GP-WINDOW						688

Y-SEPARATE ILLUSTRATION

MACHINE ARRANGEMENT

203 - 1565 COMMON AR

S/N: BPC1-UP

SMCS-7000

i01622253

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	203-1568	1	CHASSIS AR						1
Y	203-1580	1	ELECTRICAL AR						137
Y	203-1583	1	HYDRAULIC AR						530
Y	201-4341	1	INSTALLATION AR-ENGINE						7
Y	139-5896	1	POWER TRAIN AR						301
Y-SEPARATE ILLUSTRATION									

ENGINE ARRANGEMENT

200-6923 ENGINE AR

S/N: BPC1-UP

CANNOT BE USED WITH 198-6493—PAGE 4
AN ATTACHMENT

SMCS-1000

i01616292

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	198-6494	1	ENGINE AR-COMPLETE						5
Y	176-8350	1	SWITCH GP-ENGINE BRAKE						194

GASKET KITS WILL BE PROVIDED WHEN AVAILABLE

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

198-6493 ENGINE AR-COMPLETE

S/N: BNT1-UP
AN ATTACHMENT

SMCS-1000

i01605505

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	126-7631	1	CONNECTION GP-ELECTRICAL						131
Y	188-1758	1	CONTROL & MTG GP-ENGINE ELEK						132
Y	107-6736	1	COVER GP-CYLINDER BLOCK						12
Y	140-9746	1	COVER GP-CYLINDER BLOCK						13
Y	159-6159	1	COVER GP-FRONT HOUSING						14
Y	187-1328	1	COVER GP-VALVE MECHANISM						17
Y	185-6168	1	DAMPER GP						26
Y	145-5012	1	DRIVE GP-ACCESSORY						28
Y	198-6492	1	ENGINE AR-CORE						6
Y	108-9382	1	FASTENER GP-FRONT HOUSING						32
Y	109-1657	1	FASTENER GP-VALVE MECHANISM						33
Y	109-2373	1	FASTENER GP-WATER PUMP						78
Y	167-7696	1	FILLER GP-ENGINE OIL						62
Y	191-0966	1	FILTER GP-ENGINE OIL						64
Y	209-3164	1	FILTER GP-FUEL						108
Y	4P-6817	1	FLYWHEEL GP						34
Y	159-9362	1	FUMES DISPOSAL GP						66
Y	199-6348	1	GAUGE GP-OIL LEVEL (DIPSTICK)						67
Y	134-2809	1	HOUSING GP-FLYWHEEL						40
Y	199-1445	1	HOUSING GP-FRONT						42
Y	111-2088	1	LIFTING GP-ENGINE						44
Y	111-2355	1	LIFTING GP-ENGINE						45
Y	114-1904	1	LINES GP-AIR						95
Y	191-6147	1	LINES GP-AIR						97
Y	175-3862	1	LINES GP-ENGINE OIL						68
Y	199-6554	1	LINES GP-FUEL						114
Y	138-2770	1	LINES GP-TURBOCHARGER OIL						70
Y	199-2882	1	LINES GP-WATER						80
Y	135-6552	1	MANIFOLD GP-EXHAUST						98
Y	188-1754	1	MOUNTING GP-ALTERNATOR & COMPR						46
Y	199-8013	1	MOUNTING GP-MUFFLER						100
Y	200-2301	1	MOUNTING GP-PRESSURE SENSOR						173
Y	175-3860	1	PAN GP-OIL						48
Y	145-6851	1	PLUG GP-CYLINDER BLOCK						52
Y	200-2794	1	PLUG GP-CYLINDER HEAD						53
Y	150-4279	1	PUMP & MTG GP-FUEL TRANSFER						120
Y	174-5986	1	PUMP GP-WATER						83
Y	191-1041	1	SHIELD GP-HEAT						103
Y	185-6278	1	SUPPORT GP-ENGINE						59
Y	199-6551	1	WIRING GP-ENGINE						214

GASKET KITS WILL BE PROVIDED WHEN AVAILABLE

Y- SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

198-6494 ENGINE AR-COMPLETE

S/N: BNT1-UP

PART OF 200-6923 ENGINE AR
AN ATTACHMENT

SMCS-1000

i01616372

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	126-7631	1	CONNECTION GP-ELECTRICAL						131
Y	188-1758	1	CONTROL & MTG GP-ENGINE ELEK						132
Y	107-6736	1	COVER GP-CYLINDER BLOCK						12
Y	140-9746	1	COVER GP-CYLINDER BLOCK						13
Y	159-6159	1	COVER GP-FRONT HOUSING						14
Y	187-1328	1	COVER GP-VALVE MECHANISM						17
Y	185-6168	1	DAMPER GP						26
Y	145-5012	1	DRIVE GP-ACCESSORY						28
Y	198-6492	1	ENGINE AR-CORE						6
Y	148-7486	1	ENGINE BRAKE GP						30
Y	108-9382	1	FASTENER GP-FRONT HOUSING						32
Y	109-2373	1	FASTENER GP-WATER PUMP						78
Y	167-7696	1	FILLER GP-ENGINE OIL						62
Y	191-0966	1	FILTER GP-ENGINE OIL						64
Y	209-3164	1	FILTER GP-FUEL						108
Y	4P-6817	1	FLYWHEEL GP						34
Y	159-9362	1	FUMES DISPOSAL GP						66
Y	199-6348	1	GAUGE GP-OIL LEVEL (DIPSTICK)						67
Y	134-2809	1	HOUSING GP-FLYWHEEL						40
Y	199-1445	1	HOUSING GP-FRONT						42
Y	111-2088	1	LIFTING GP-ENGINE						44
Y	111-2355	1	LIFTING GP-ENGINE						45
Y	114-1904	1	LINES GP-AIR						95
Y	191-6147	1	LINES GP-AIR						97
Y	175-3862	1	LINES GP-ENGINE OIL						68
Y	199-6554	1	LINES GP-FUEL						114
Y	138-2770	1	LINES GP-TURBOCHARGER OIL						70
Y	199-2882	1	LINES GP-WATER						80
Y	135-6552	1	MANIFOLD GP-EXHAUST						98
Y	188-1754	1	MOUNTING GP-ALTERNATOR & COMPR						46
Y	199-8013	1	MOUNTING GP-MUFFLER						100
Y	200-2301	1	MOUNTING GP-PRESSURE SENSOR						173
Y	175-3860	1	PAN GP-OIL						48
Y	145-6851	1	PLUG GP-CYLINDER BLOCK						52
Y	200-2794	1	PLUG GP-CYLINDER HEAD						53
Y	150-4279	1	PUMP & MTG GP-FUEL TRANSFER						120
Y	174-5986	1	PUMP GP-WATER						83
Y	191-1041	1	SHIELD GP-HEAT						103
Y	185-6278	1	SUPPORT GP-ENGINE						59
Y	199-6551	1	WIRING GP-ENGINE						214

GASKET KITS WILL BE PROVIDED WHEN AVAILABLE

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

198-6492 ENGINE AR-CORE

S/N: BNT1-UP

392 BRAKE KW (525 BHP) AT 1900 RPM

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1000

i01605740

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	122-1248	1	BASE GP-VALVE COVER & INJ HARN						9
Y	185-9699	1	CAMSHAFT GP						11
Y	160-3913	1	CRANKSHAFT GP						18
Y	198-9765	1	CYLINDER BLOCK GP						20
Y	191-8423	1	CYLINDER HEAD GP						25
Y	6I-3638	1	DRIVE GP-PUMP						29
	191-7679	1	ELECTRONICS GP-ENGINE RATINGS						
Y	4P-6846	1	FASTENER GP-FRONT HOUSING						31
Y	4N-2481	1	FASTENER GP-OIL PUMP MOUNTING						61
Y	208-9490	1	GEAR GP-FRONT						36
Y	128-8510	6	INJECTOR GP-FUEL						113
YR	134-3071	6	PISTON & ROD GP						50
YR	161-4113	1	PUMP GP-ENGINE OIL						72
Y	199-1002	1	SENSOR GP-ENGINE						174
Y	210-8818	1	TURBOCHARGER GP						104
Y	208-2820	1	VALVE MECHANISM GP						60

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

201-4341 INSTALLATION AR-ENGINE

S/N: BPC1-UP

PART OF 203-1565 COMMON AR

SMCS-1000

i01516307

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	132-6248	1	AIR CLEANER GP						92
Y	190-6564	1	ALTERNATOR GP-CHARGING						127
Y	172-1248	1	COMPRESSOR GP-REFRIGERANT						605
Y	164-5789	1	DRAIN GP-ENGINE OIL						27
Y	132-6237	1	DUST EJECTOR GP						94
Y	132-6250	1	LINES GP-AIR						96
Y	132-6235	1	MUFFLER GP						102
Y	170-1757	1	PULLEY GP-CRANKSHAFT						54
Y	105-4729	1	STARTING MOTOR GP-ELECTRIC						191
Y	132-6236	1	SUPPORT GP-ENGINE						58
Y	190-6563	1	BELT TENSIONER GP						10

Y-SEPARATE ILLUSTRATION

BASIC ENGINE

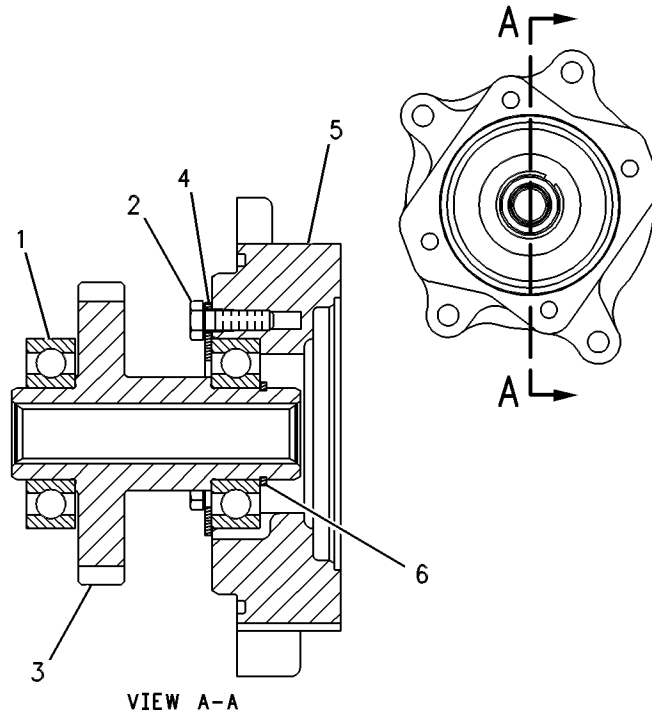
133-9907 ADAPTER GP-PUMP DRIVE

S/N: BNT1-UP
PART OF 6I-3638 DRIVE GP-PUMP
AN ATTACHMENT

SMCS-3108

i01152889

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1B-3867	2	BALL BEARING						
	2	1	4F-7957	3	BOLT (1/4-20X.875IN)						
	3	1	6I-4575	1	GEAR (34 TEETH)						
	4	1	9X-2038	3	WASHER (2MM THK)						
	5	1	133-9906	1	ADAPTER						
	6	1	1H-8647	1	RING-SNAP						



GRAPHIC #1

g00263602

BASIC ENGINE

122-1248 BASE GP-VALVE COVER & INJ HARN

S/N: BNT1-UP

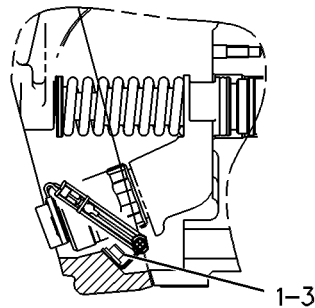
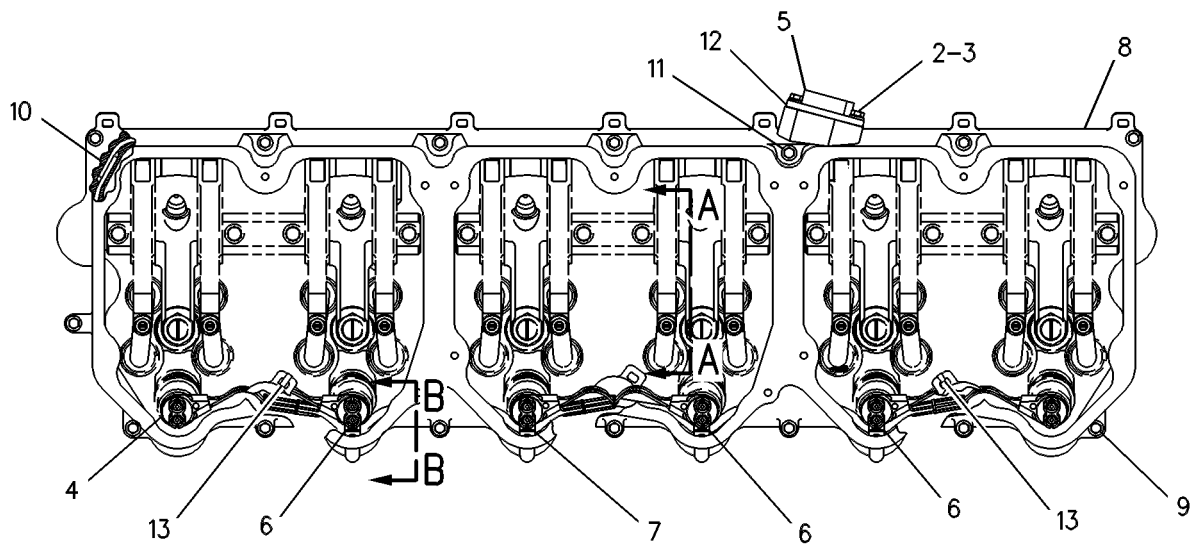
PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1120, 1408

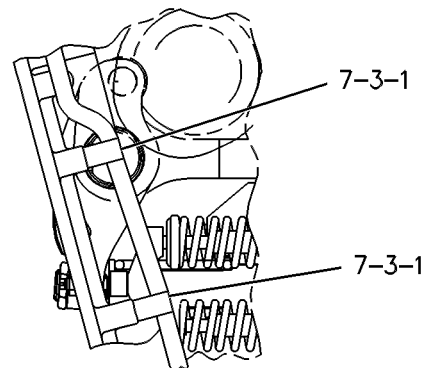
i01586394

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8H-3127	6	BOLT (1/4-20X3/4 IN)						
	2	1	4F-7957	2	BOLT (1/4-20X0.875 IN)						
	3	1	5P-0537	8	WASHER-HARD (7.2X14.5X2MM THK)						
	4	1	7E-6508	6	CAP AS						
	5	1	122-1486	1	HARNESS AS-WIRING						
		1	103-8134	1	KIT-RECEPTACLE (12 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	6	1	100-5218	3	CLIP						
	7	1	100-5219	3	CLIP						
	8	1	177-4152	1	BASE-VALVE COVER						
	9	1	9L-8925	14	BOLT (5/16-18X1.25IN)						
D	10	1	5P-5678		SEAL (2.9M)						
	11	1	122-1472	1	BOLT						
	12	1	6V-0128	1	SEAL-CONNECTOR						
	13	1	123-3202	2	STRAP-CABLE						

D-ORDER BY THE METER



SECTION B-B



VIEW A-A

GRAPHIC #1

g00257337

BASIC ENGINE

190-6563 BELT TENSIONER GP

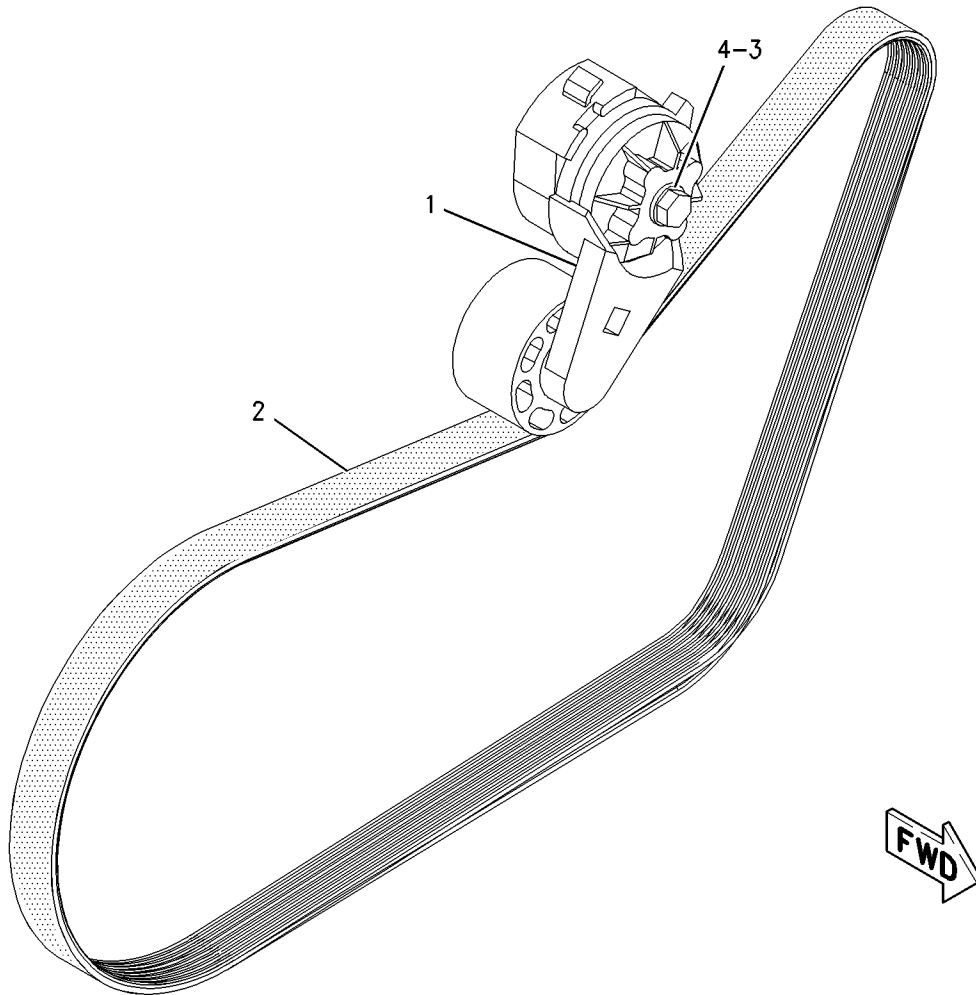
S/N: BPC1-UP

**PART OF 201-4341 INSTALLATION AR-ENGINE
FOR USE WITH A 62 MILLIMETER DIAMETER PULLEY**

SMCS-1357, 1358, 1397

i01398910

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	135-2151	1	TENSIONER-BELT						
	2	1	190-6560	1	BELT						
	3	1	8T-4121	1	WASHER-HARD (11X21X2.5MM THK)						
M	4	1	8T-4178	1	BOLT (M10X1.5X90MM)						
M-METRIC PART											



GRAPHIC #1

g00737396

BASIC ENGINE

185-9699 CAMSHAFT GP

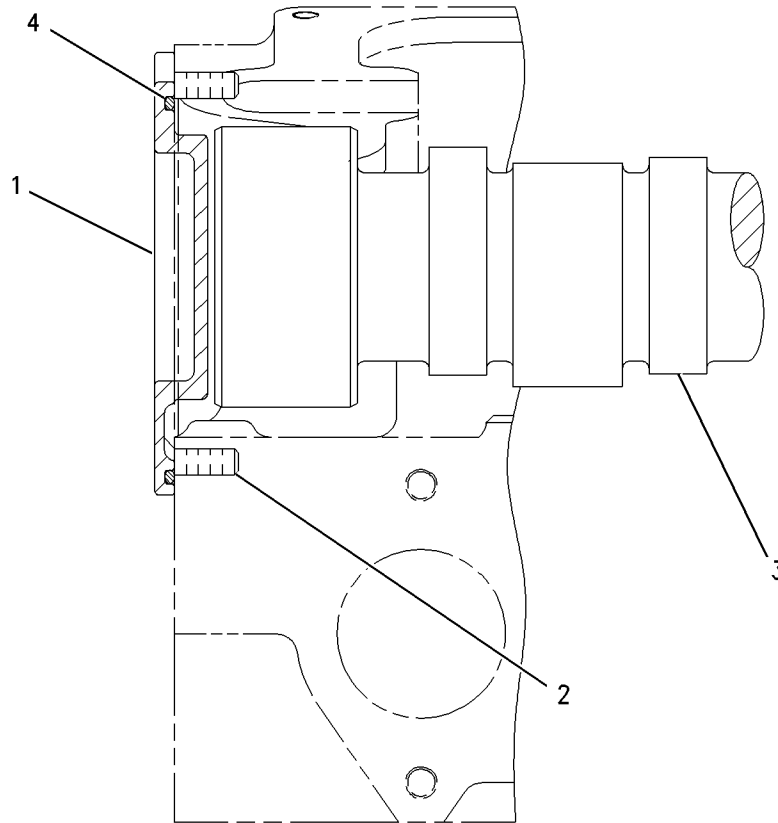
S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1210, 1211, 1212

i01297651

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-9089	1	COVER						
	2	1	119-0036	3	SCREW-FLAT HEAD						
	3	1	185-6349	1	CAMSHAFT						
	4	1	6V-1197	1	SEAL-O-RING (98.02MM ID)						



RIGHT SIDE VIEW

GRAPHIC #1

g00687973

BASIC ENGINE

107-6736 COVER GP-CYLINDER BLOCK

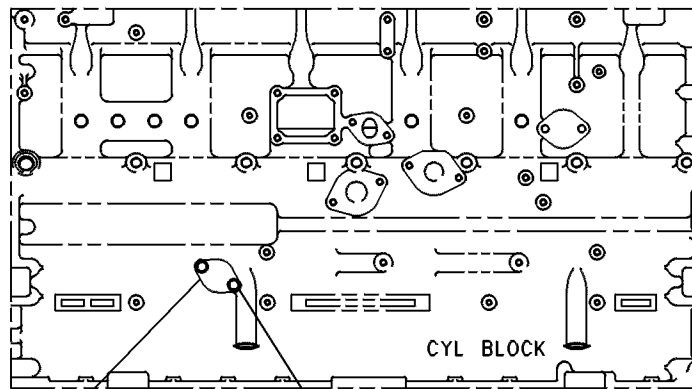
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
FOR USE WITH MID MOUNTED TURBO AND/OR RH OIL FILL
AN ATTACHMENT

SMCS-1201

i00670739

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0S-1594	2	BOLT (3/8-16X1IN)						
	2	1	5M-2894	2	WASHER (2.5MM THK)						
	3	1	4W-9890	1	COVER						
	4	1	4N-0699	1	GASKET						



4-3 1-2

LEFT SIDE VIEW

GRAPHIC #1

g00244599

BASIC ENGINE

140-9746 COVER GP-CYLINDER BLOCK

S/N: BNT1-UP

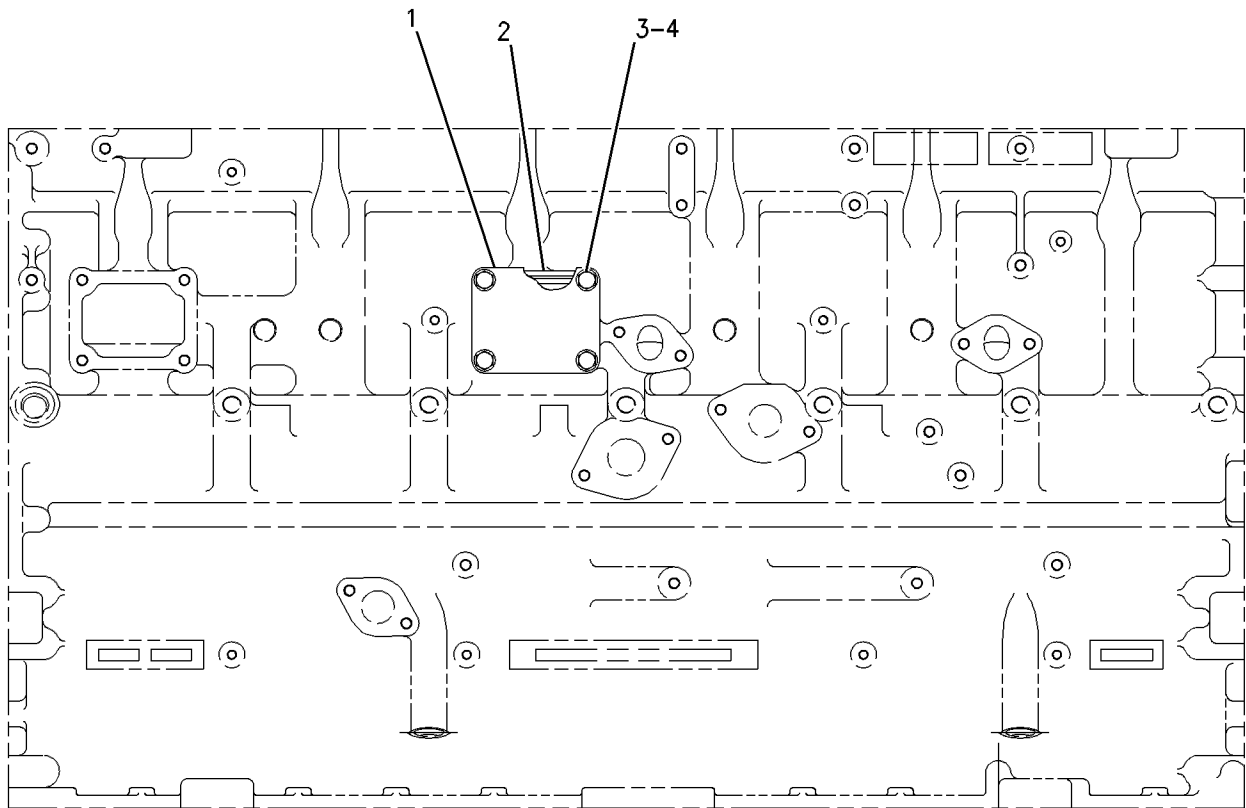
#4 CYLINDER WATER INLET

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1201

i00990977

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	145-3849	1	COVER						
	2	1	126-4935	1	SEAL - INTEGRAL						
	3	1	0S-1594	4	BOLT (3/8-16X1.0IN)						
	4	1	5M-2894	4	WASHER (2.5MM THK)						



GRAPHIC #1

g00506684

BASIC ENGINE

159-6159 COVER GP-FRONT HOUSING

S/N: BNT1-UP

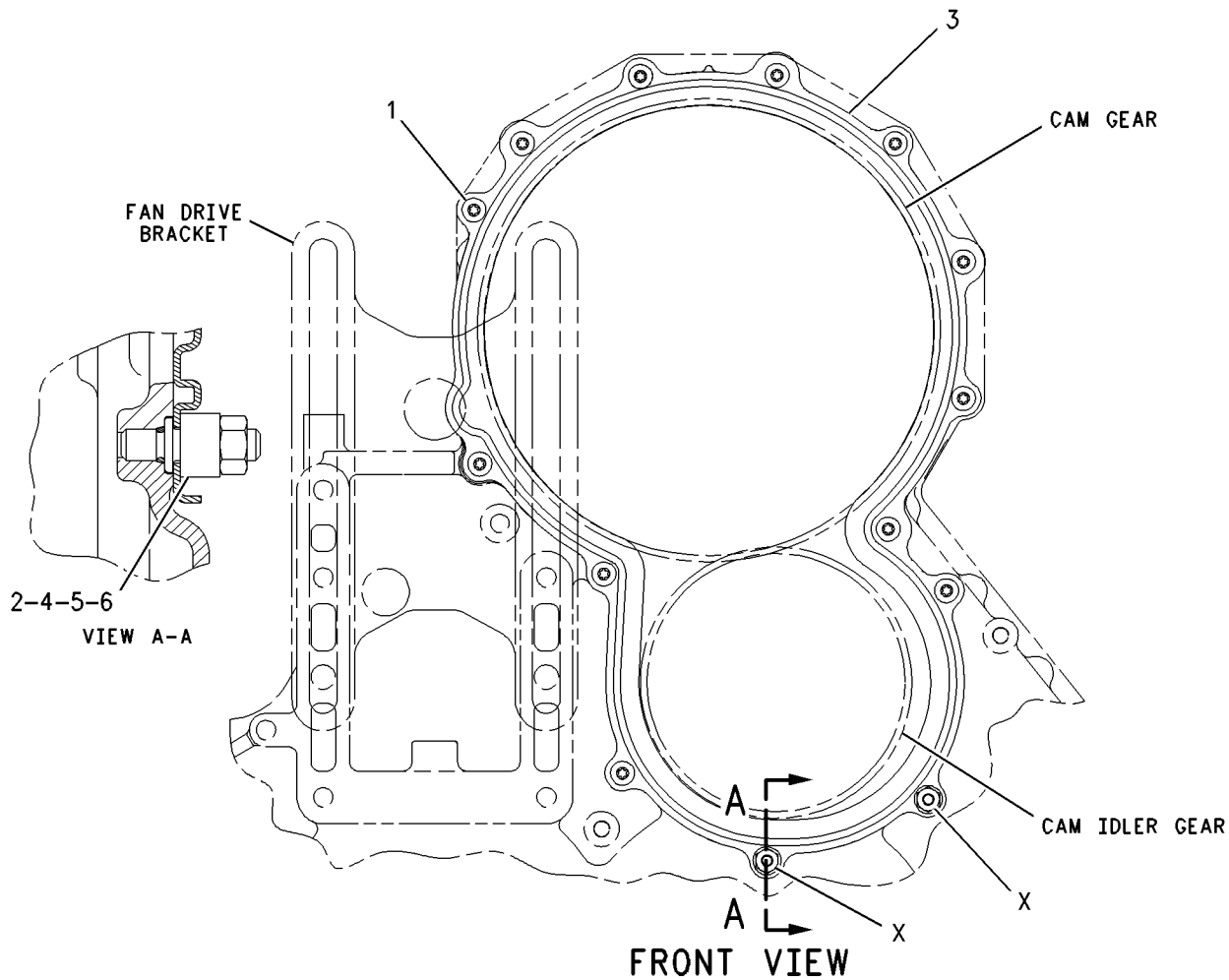
CAM AND IDLER GEAR ACCESS

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1151, 1166

i01565580

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	174-7462	12	SCREW-BUTTON HEAD	
	2	1	175-1367	2	SPACER (8.8X16X10MM THK) (MARKED X)	
	3	1	209-3569	1	COVER AS	
		1	160-7271	1	SEAL	
	4	1	5S-0003	2	NUT (5/16-18 THD) (MARKED X)	
	5	1	175-1366	2	STUD (MARKED X)	
	6	1	163-4565	2	SEAL-O-RING (MARKED X)	



GRAPHIC #1

g00631258

BASIC ENGINE

150-3135 COVER GP-VALVE MECHANISM

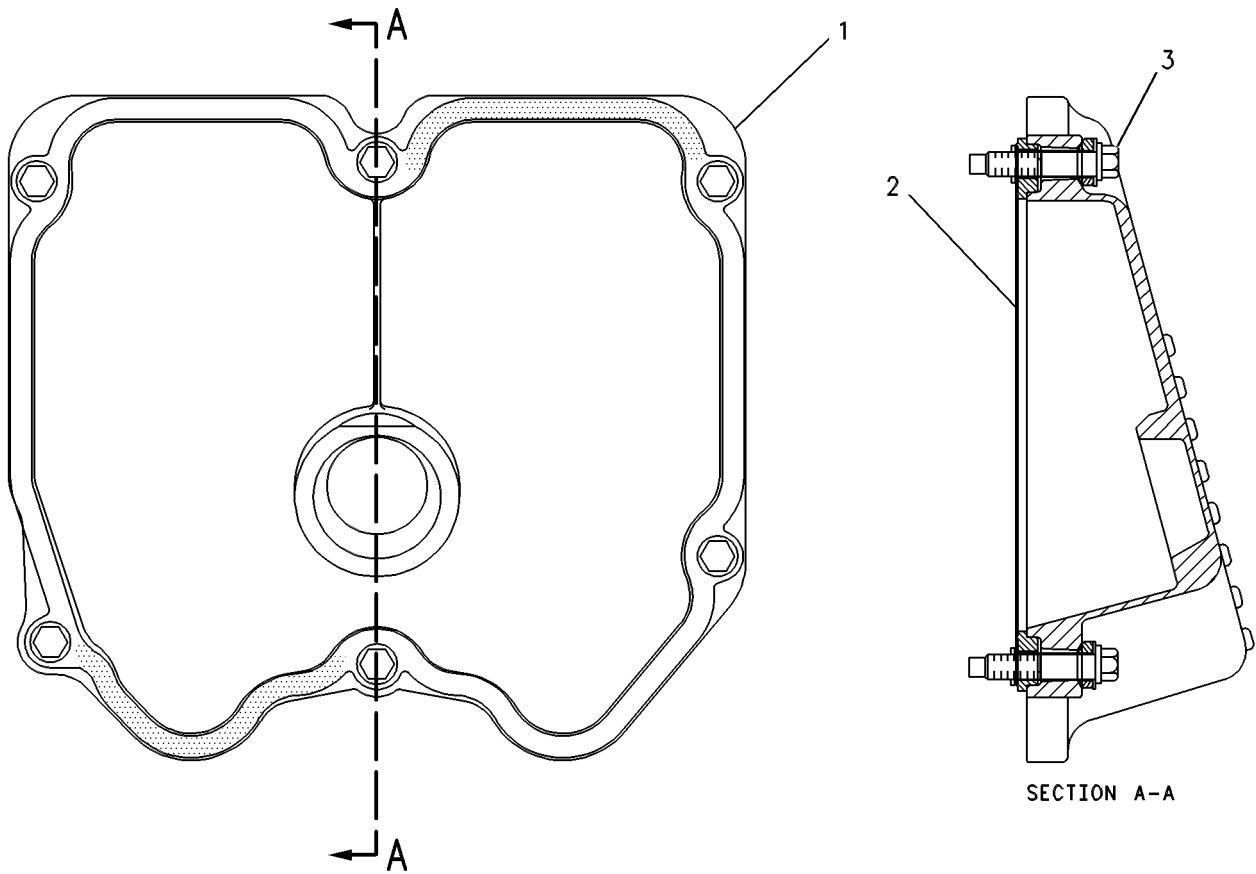
S/N: BNT1-UP

PART OF 187-1328 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107

i01163675

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	150-2557	1	COVER-VALVE MECH						
	2	1	172-8027	1	SEAL						
	3	1	173-2390	6	FASTENER AS						



GRAPHIC #1

g00620207

BASIC ENGINE

187-1326 COVER GP-VALVE MECHANISM

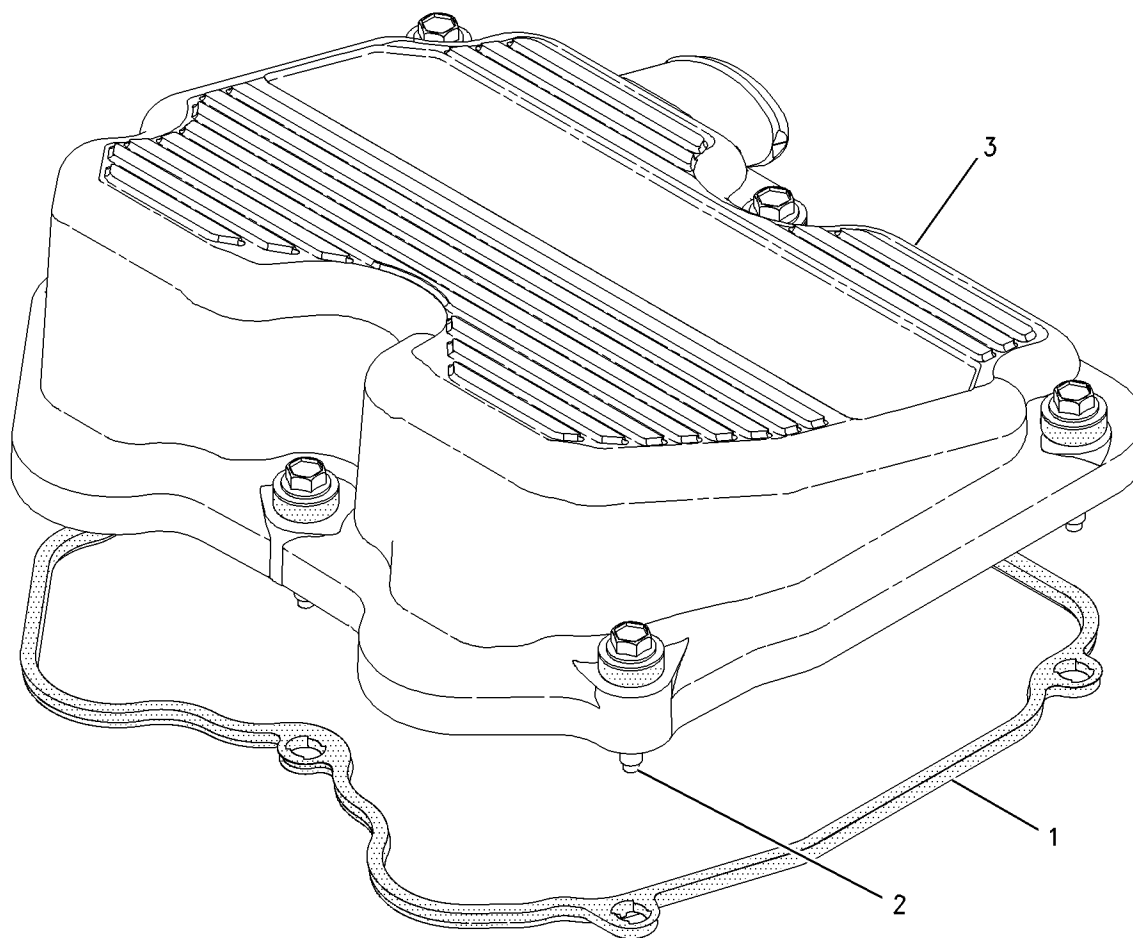
S/N: BNT1-UP

PART OF 187-1328 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107

i01391606

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	172-8027	1	SEAL						
	2	1	173-2390	6	FASTENER AS						
	3	1	187-1325	1	COVER AS-VALVE						



GRAPHIC #1

g00740415

BASIC ENGINE

187-1328 COVER GP-VALVE MECHANISM

S/N: BNT1-UP

REAR MOUNTED BREATHER, NO OIL FILL

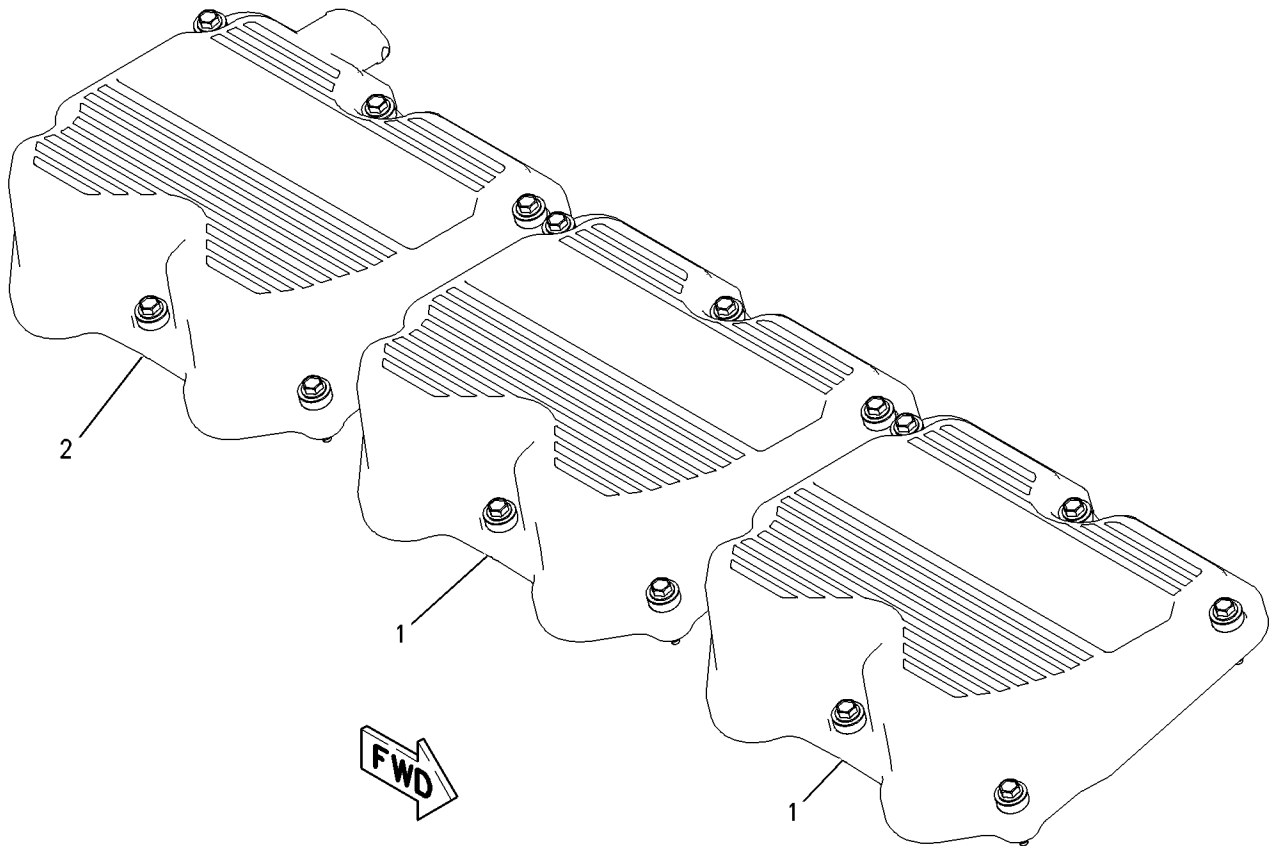
PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1107

i01391600

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	150-3135	2	COVER GP-VALVE MECHANISM	15
Y	2	1	187-1326	1	COVER GP-VALVE MECHANISM	16

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00740203

BASIC ENGINE

160-3913 CRANKSHAFT GP

S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1202

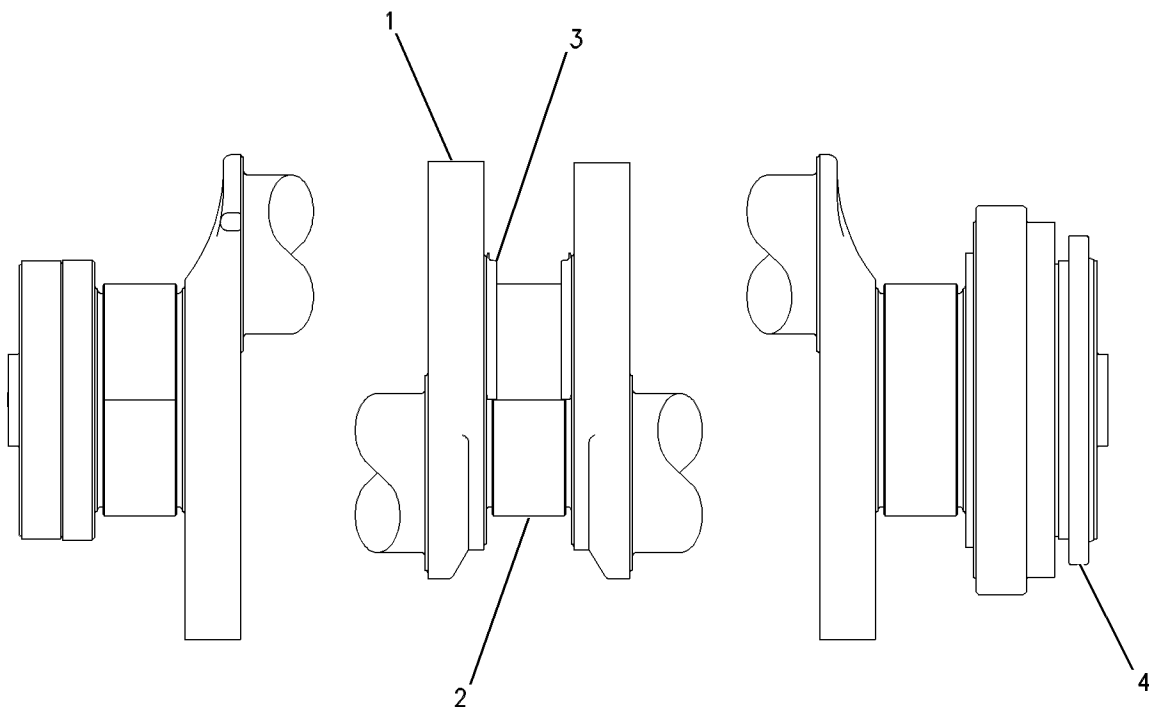
i01586459

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
R	1	1	155-6632	1	CRANKSHAFT AS						
		1	4N-0684	1	DOWEL						
		1	7S-5005	1	DOWEL						
		1	160-5120	1	GEAR-CRANKSHAFT (80 TEETH)						
	2	1	4W-5492	7	BEARING-MAIN						
AB		1	4W-5698		BEARING-MAIN (0.63MM U.S.)						
AB		1	4W-5699		BEARING-MAIN (1.27MM U.S.)						
AB		1	4W-5700		BEARING-MAIN (0.63MM O.S.)						
AB		1	4W-5701		BEARING-MAIN (0.63MM U.S. / 0.63MM O.S.)						
	3	1	7E-9262	2	PLATE-THRUST						
	4	1	2W-1733	1	SEAL GP-CRANKSHAFT						

A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1

g00555619

BASIC ENGINE

155-0741 CYLINDER BLOCK AS

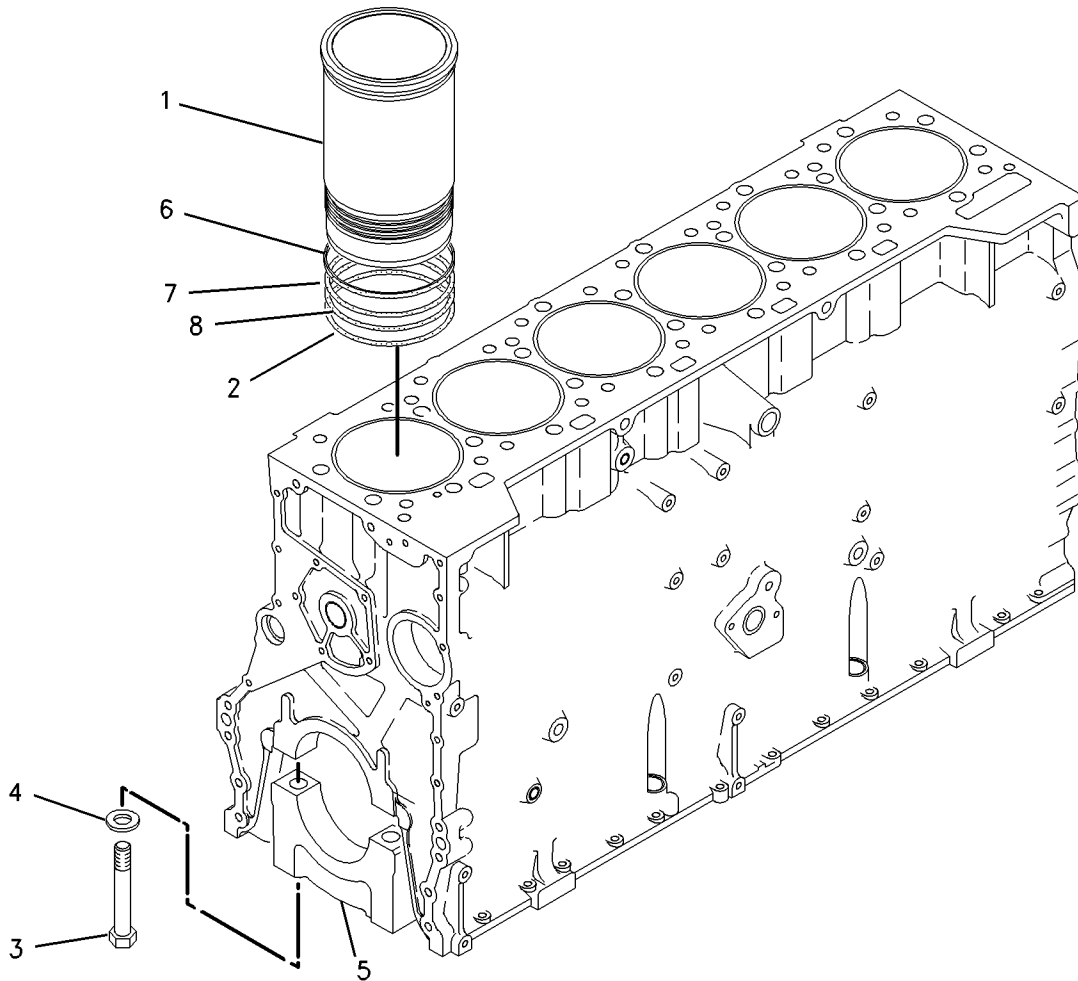
S/N: BNT1-UP

PART OF 198-9765 CYLINDER BLOCK GP
AN ATTACHMENT

SMCS-1201

i01582958

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132-6881	6	LINER-CYLINDER						
	2	1	142-6217	6	SEAL-LINER						
	3	1	167-8083	14	BOLT						
	4	1	9H-1031	14	WASHER-HARD (24X41.5X6MM THK)						
	5	1	167-8081	7	CAP-CRANKSHAFT BEARING						
	6	1	9L-5854	6	BAND-FILLER (5.125MM ID)						
	7	1	131-3717	6	SEAL D-RING						
	8	1	110-2220	6	SEAL-LINER (141MM ID)						



GRAPHIC #1

g00821466

BASIC ENGINE

198-9765 CYLINDER BLOCK GP

S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1201

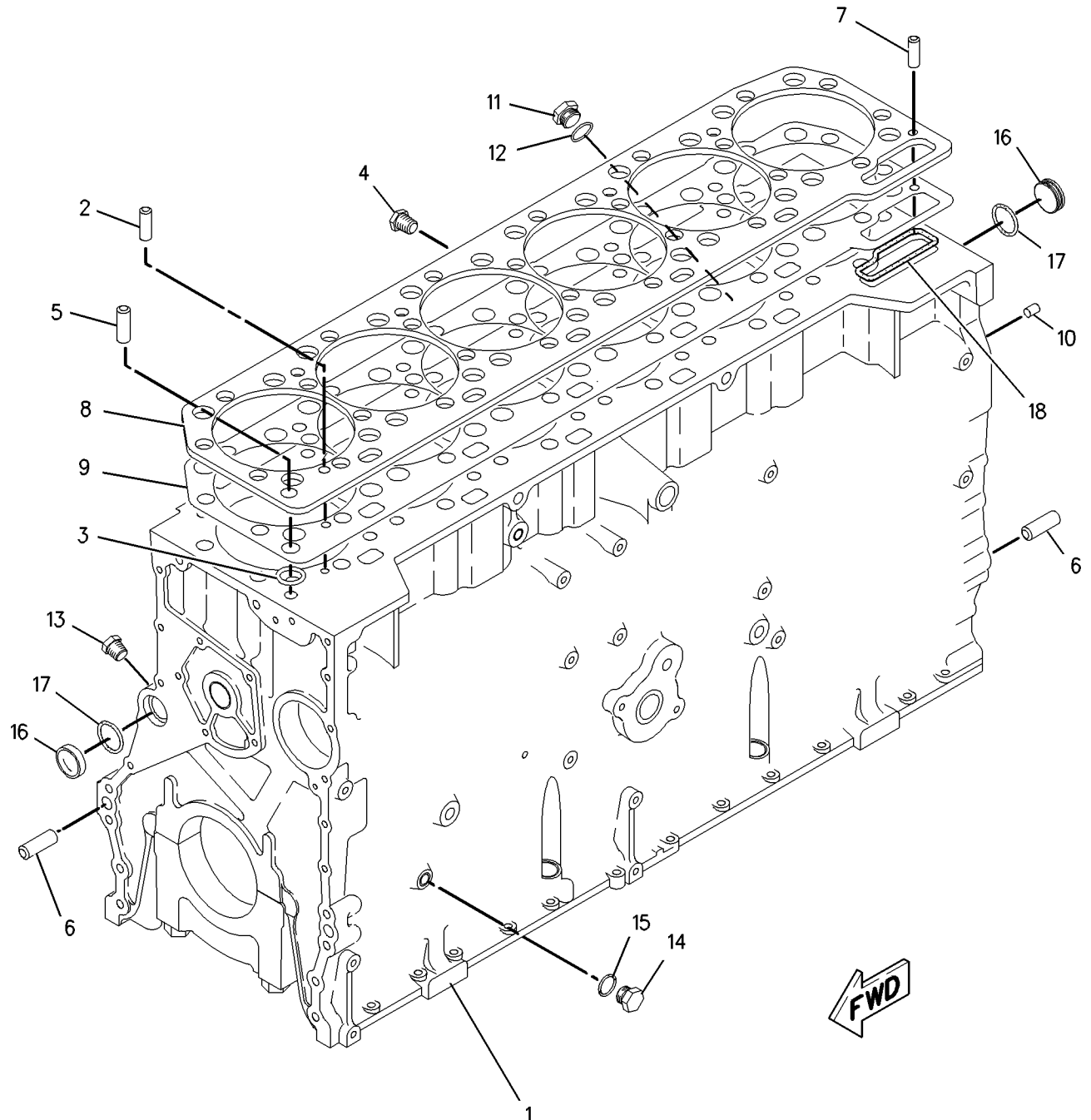
i01515209

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	155-0741	1	CYLINDER BLOCK AS	19
	2	1	1S-9540	1	DOWEL (30.23MMX9.37MM)	
	3	1	5P-0840	1	SEAL-O-RING	
	4	1	7W-6492	2	PLUG-PIPE	
	5	1	6I-1055	1	DOWEL	
	6	1	4N-0683	4	DOWEL	
	7	1	4N-1650	1	DOWEL (1.25 IN LG X.376 DIA)	
	8	1	6I-4421	1	PLATE-SPACER	
	9	1	180-5734	1	GASKET-PLATE	
	10	1	8S-9094	1	PLUG-ORIFICE	
	11	1	9S-4190	1	PLUG-O-RING	
	12	1	114-4427	1	SEAL-O-RING	
	13	1	7X-7732	5	PLUG-PIPE	
	14	1	9S-4182	1	PLUG-O-RING	
	15	1	9X-7378	1	SEAL-O-RING	
	16	1	100-7399	2	PLUG	
	17	1	3E-6747	2	SEAL-O-RING	
	18	1	142-2329	1	SEAL-DRAINBACK	
Y-SEPARATE ILLUSTRATION						

BASIC ENGINE

198-9765 CYLINDER BLOCK GP (contd.)

i01515209



GRAPHIC #1

g00786657

BASIC ENGINE

176-9918 CYLINDER HEAD GP*R

S/N: BNT1-UP

PART OF 183-5296 CYLINDER HEAD GP
AN ATTACHMENT

SMCS-1100

i01599465

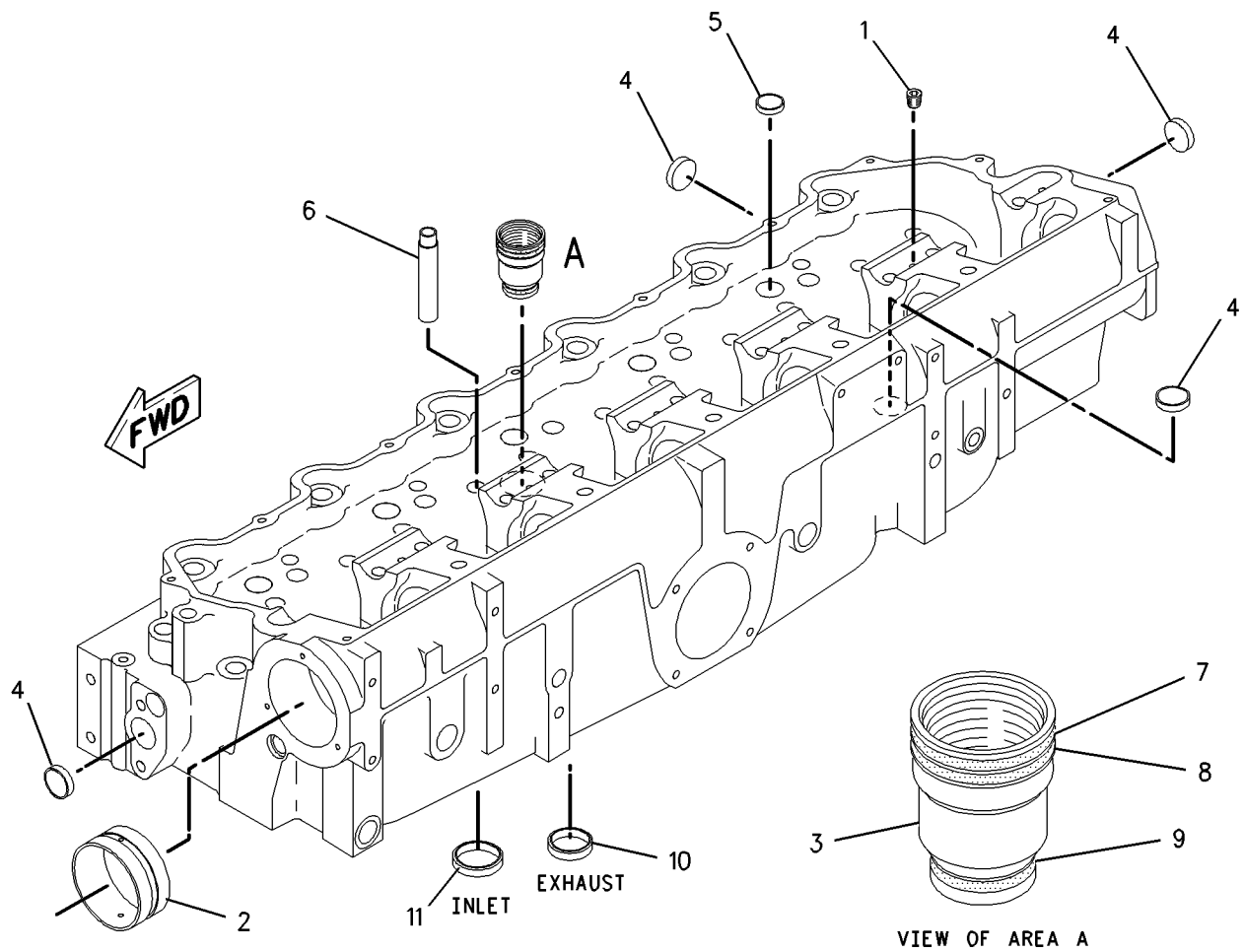
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8T-6757	3	PLUG-PIPE						
B	2	1	134-5251	7	BEARING-CAMSHAFT (STANDARD)						
AB		1	150-4793	7	BEARING-CAMSHAFT (0.254MM O.S.)						
AB		1	160-8151	7	BEARING-CAMSHAFT (0.762MM O.S.)						
	3	1	166-3739	6	SLEEVE-INJECTOR						
	4	1	3B-0645	20	PLUG-CUP						
	5	1	3B-0623	17	PLUG-CUP						
B	6	1	122-7375	24	GUIDE-VALVE (STANDARD)						
AB		1	122-8612	24	GUIDE-VALVE (0.13 MM O.S.)						
AB		1	122-0447	24	GUIDE-VALVE (0.51 MM O.S.)						
	7	1	166-2903	6	SEAL-O-RING (34.59MM ID)						
	8	1	166-2904	6	SEAL-O-RING (34.59MM ID)						
	9	1	9X-7430	6	SEAL-O-RING (25.63MM ID)						
B	10	1	152-7582	12	INSERT-VALVE SEAT (EXHAUST) (STANDARD)						
AB		1	167-0642	12	INSERT-VALVE SEAT (0.76 MM O.S.)						
AB		1	170-4737	12	INSERT-VALVE SEAT (0.51 MM O.S.)						
B	11	1	175-3617	12	INSERT-VALVE SEAT (INLET) (STANDARD)						
AB		1	167-0643	12	INSERT-VALVE SEAT (0.76 MM O.S.)						
AB		1	170-4738	12	INSERT-VALVE SEAT (0.51 MM O.S.)						

A- NOT PART OF THIS GROUP
B- USE AS REQUIRED

BASIC ENGINE

176-9918 CYLINDER HEAD GP (contd.)

i01599465



GRAPHIC #1

g00828905

BASIC ENGINE

183-5296 CYLINDER HEAD GP*R

S/N: BNT1-UP

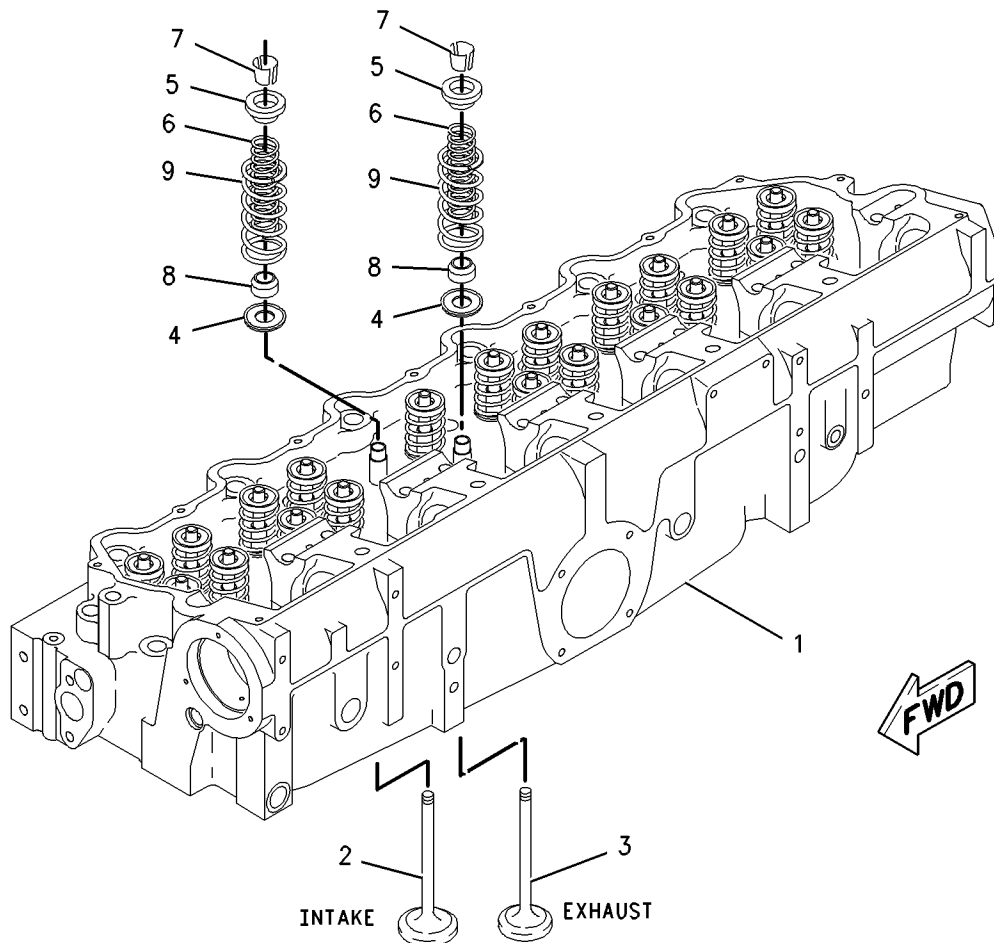
PART OF 191-8423 CYLINDER HEAD GP
AN ATTACHMENT

SMCS-1100

i01599463

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
YR	1	1	176-9918	1	CYLINDER HEAD GP	22
	2	1	153-7023	12	VALVE-INLET	
	3	1	153-7024	12	VALVE-EXHAUST	
	4	1	6I-0928	24	WASHER	
	5	1	186-2001	24	ROTOCOIL AS	
	6	1	175-7523	24	SPRING-VALVE (INNER)	
	7	1	2A-4429	48	LOCK-RETAINER	
	8	1	102-6229	24	SEAL-VALVE STEM	
	9	1	175-7526	24	SPRING-VALVE (OUTER)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00828906

BASIC ENGINE

191-8423 CYLINDER HEAD GP

S/N: BNT1-UP

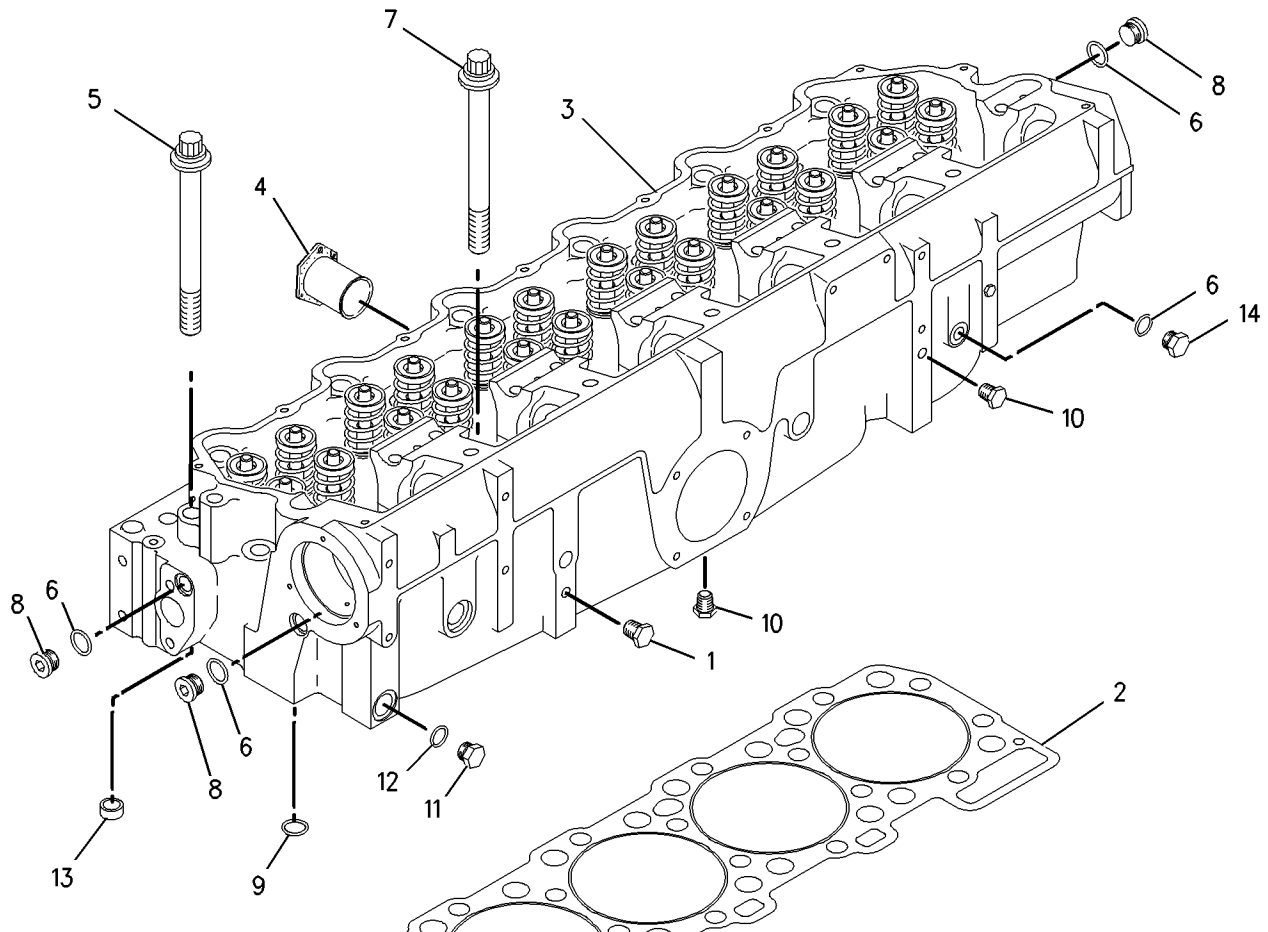
PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1100

i01411833

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	8T-6763	1	PLUG-PIPE	
	2	1	153-9653	1	GASKET-CYLINDER HEAD	
Y	3	1	183-5296	1	CYLINDER HEAD GP	24
	4	1	194-8124	6	SLEEVE AS (EXHAUST PORT)	
	5	1	124-1854	10	BOLT-12 POINT HEAD (3/4-16X216MM)	
		1	5H-1504	10	WASHER-HARD (20X33.5X5MM THK)	
	6	1	6V-5049	4	SEAL-O-RING (11.89MM ID)	
	7	1	124-1855	16	BOLT-12 POINT HEAD (3/4-16X194MM)	
		1	5H-1504	16	WASHER-HARD (20X33.5X5MM THK)	
	8	1	9S-8004	3	PLUG-O-RING	
	9	1	5P-0840	1	SEAL-O-RING (12.29MM ID)	
	10	1	8T-6765	2	PLUG-PIPE	
	11	1	9S-4190	1	PLUG-O-RING	
	12	1	6V-3251	1	SEAL-O-RING (19.18MM ID)	
	13	1	3E-6772	24	SEAL-WATER	
	14	1	9S-4191	1	PLUG-O-RING	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00744612

BASIC ENGINE

185-6168 DAMPER GP

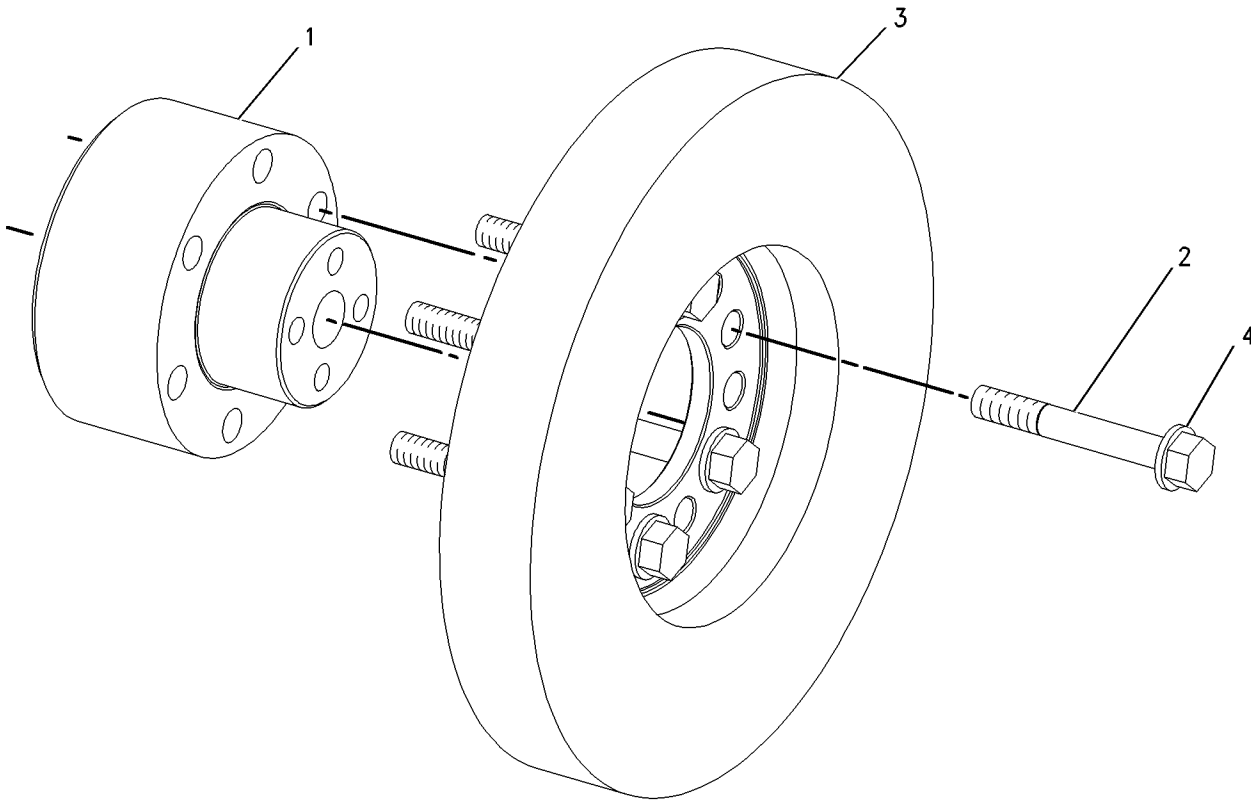
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1205

i01287821

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	183-7185	1	ADAPTER-DAMPER						
	2	1	0T-0857	6	BOLT (5/8-18X4.5IN)						
	3	1	155-6634	1	DAMPER AS						
	4	1	5P-8247	6	WASHER-HARD (3.5MM THK)						



GRAPHIC #1

g00682643

BASIC ENGINE

164-5789 DRAIN GP-ENGINE OIL

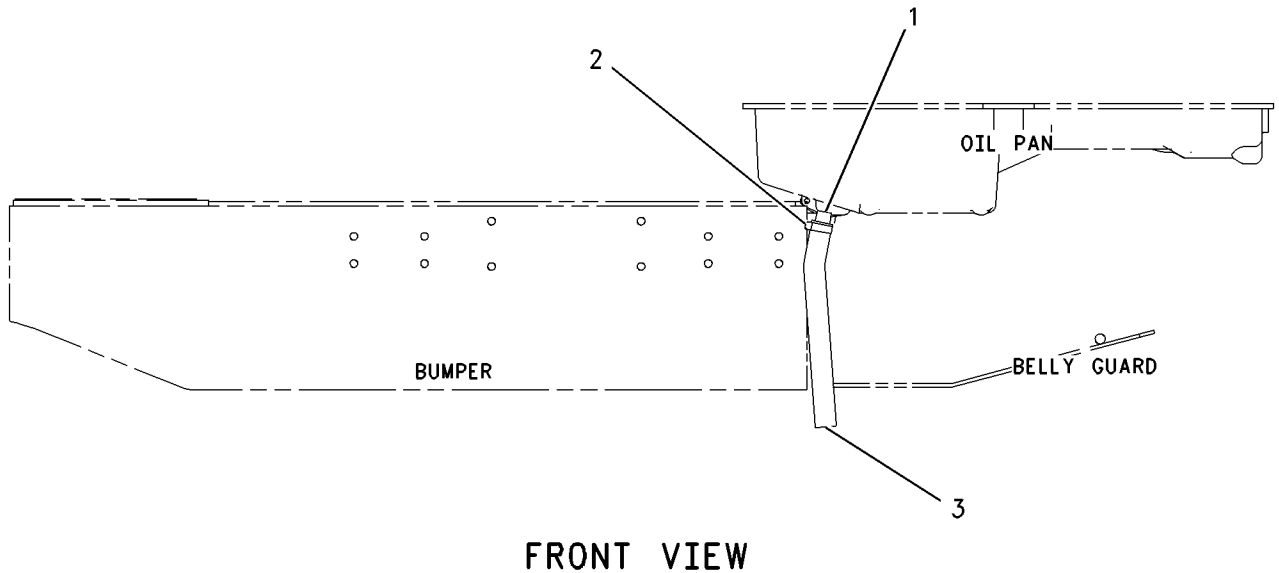
S/N: BPC1-UP

PART OF 201-4341 INSTALLATION AR-ENGINE

SMCS-1302

i01510435

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6B-0689	1	PIPE						
	2	1	9M-2904	1	CLAMP-HOSE						
G	3	1	9X-2370	1	HOSE (13IN)						
G-ORDER BY THE INCH											



GRAPHIC #1

g00777099

BASIC ENGINE

145-5012 DRIVE GP-ACCESSORY

S/N: BNT1-UP

LH FRONT

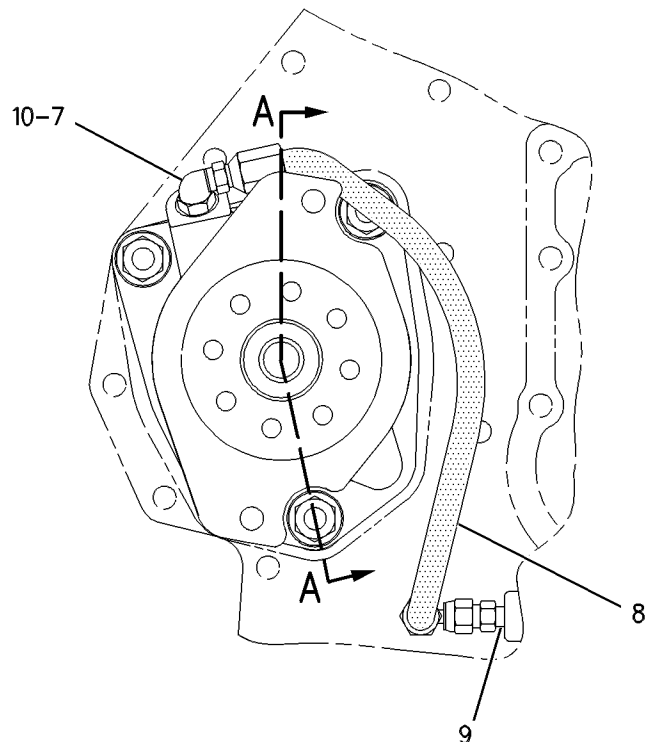
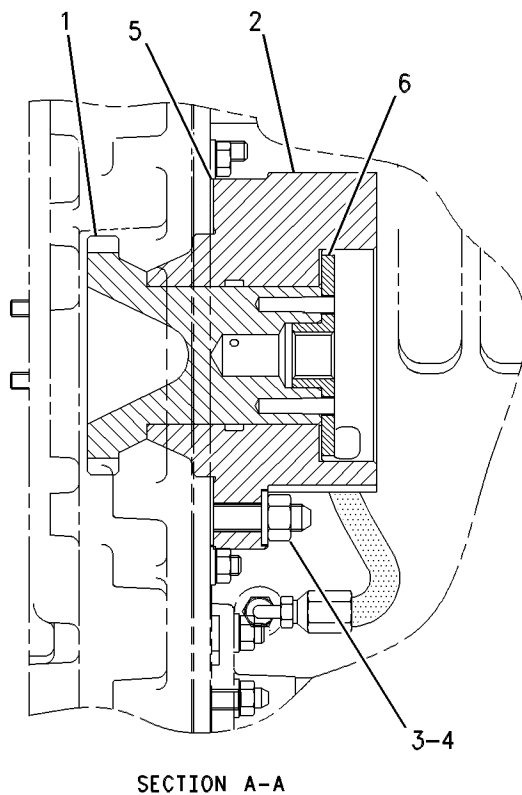
PART OF 198-6493, 198-6494 ENGINE AR-COMPLETE
AN ATTACHMENT

SMCS-1207

i01461478

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	143-9732	1	GEAR (40 TEETH)	
	2	1	143-8971	1	BEARING-DRIVE	
	3	1	6V-8188	3	NUT (1/2-13 THD)	
	4	1	8T-4223	3	WASHER-HARD (13.5X25.5X3MM THK)	
	5	1	144-6142	1	SEAL-INTEGRAL	
	6	1	1N-3974	1	COUPLING	
	7	1	030-7946	1	ELBOW	
I	8	1	101-6596	1	HOSE AS	
	9	1	8L-6557	1	CONNECTOR	
	10	1	3J-7354	1	SEAL-O-RING	

I - SEE HOSE FABRICATION GUIDE



GRAPHIC #1

g00504324

BASIC ENGINE

6I-3638 DRIVE GP-PUMP

S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE

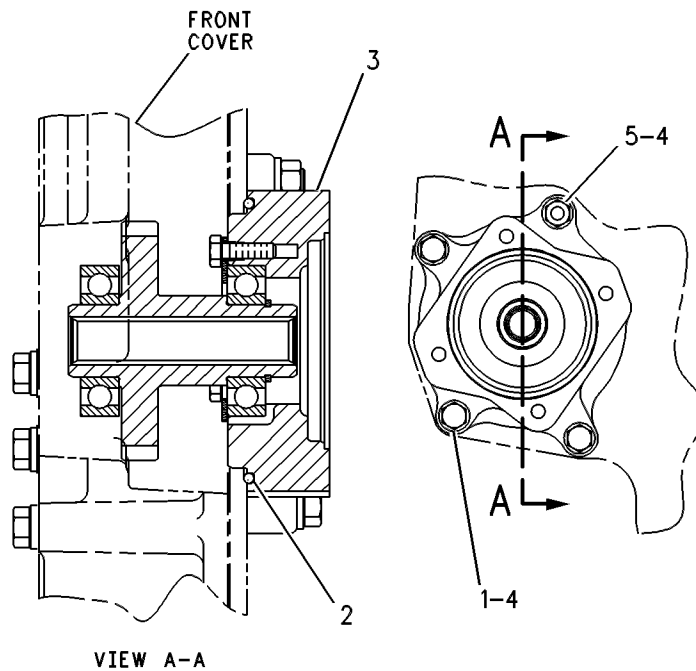
FOR USE WITH THE 2.5 BASE MODULE LARGE CAM GEAR TRAIN
AN ATTACHMENT

SMCS-1207

i00670574

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	0S-1590	3	BOLT (3/8-16X2IN)	
	2	1	8T-9527	1	SEAL-O-RING (110.72MM ID)	
YC	3	1	133-9907	1	ADAPTER GP-PUMP DRIVE	8
	4	1	5M-2894	4	WASHER (2.5MM THK)	
	5	1	9S-8752	1	NUT-FULL (3/8-16 THD)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00263601

BASIC ENGINE

148-7486 ENGINE BRAKE GP

S/N: BNT1-UP

24 VOLT

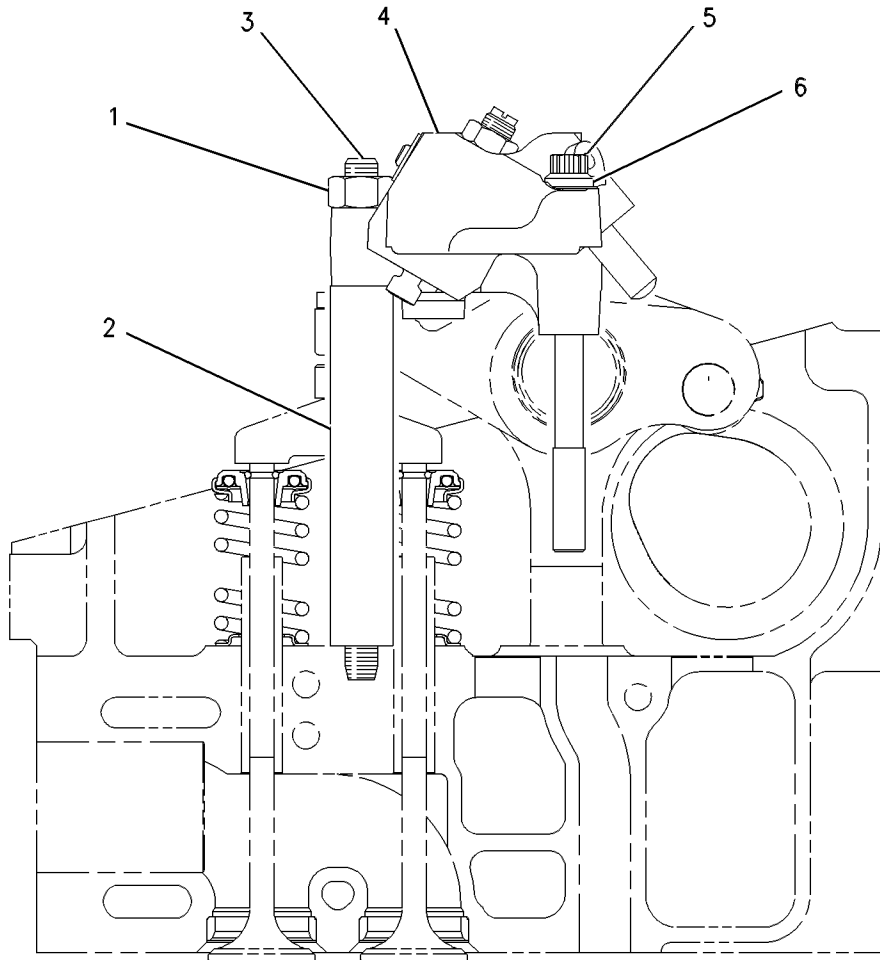
PART OF 198-6494 ENGINE AR-COMPLETE
AN ATTACHMENT

SMCS-1119

i01396011

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	141-1497	3	NUT	
	2	1	6I-1483	3	SUPPORT-BRAKE	
	3	1	8T-7062	3	STUD-TAPERLOCK	
CY	4	1	189-5950	3	HOUSING GP-ENGINE BRAKE	38
	5	1	167-0867	12	BOLT-12 POINT HEAD	
	6	1	3H-7654	12	WASHER-HARD (13.5X22.5X3MM THK)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00293256

BASIC ENGINE

4P-6846 FASTENER GP-FRONT HOUSING

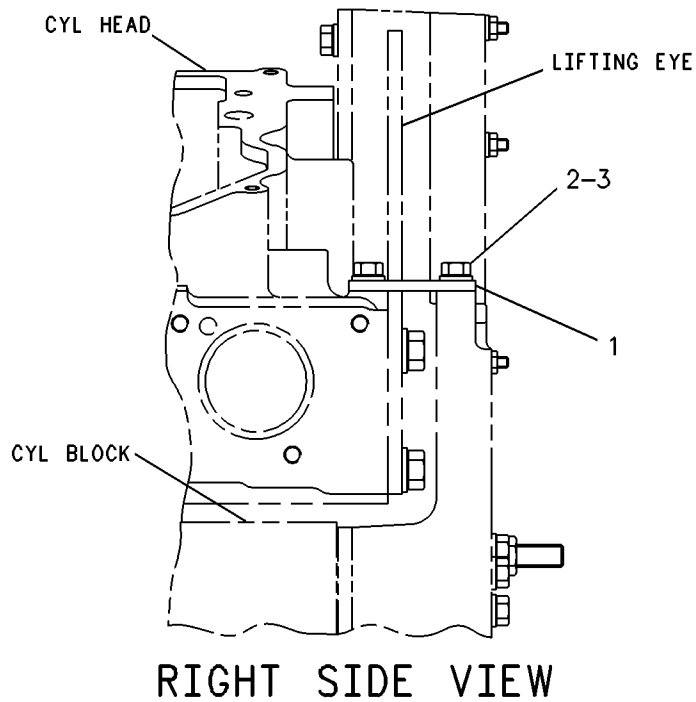
S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1151, 1162

i00670557

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-0452	1	PLATE						
	2	1	0S-1594	2	BOLT (3/8-16X1IN)						
	3	1	5M-2894	2	WASHER (2.5MM THK)						



GRAPHIC #1

g00231021

BASIC ENGINE

108-9382 FASTENER GP-FRONT HOUSING

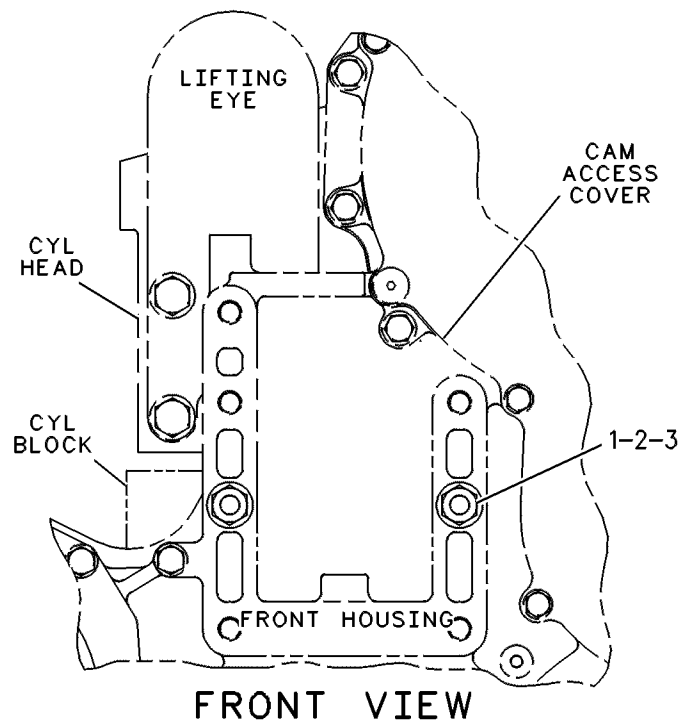
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
FOR USE WITH FRONT HOUSING WHEN FAN DRIVE IS NOT INSTALLED
AN ATTACHMENT

SMCS-1151, 1162

i00670762

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1F-7958	2	NUT-FULL (1/2-13 THD)						
	2	1	5P-8245	2	WASHER (3MM THK)						
	3	1	149-5268	2	STUD-TAPERLOCK						



FRONT VIEW

GRAPHIC #1

g00237936

BASIC ENGINE

109 - 1657 FASTENER GP-VALVE MECHANISM

S/N: BNT1-UP

PART OF 198-6493 ENGINE AR-COMPLETE

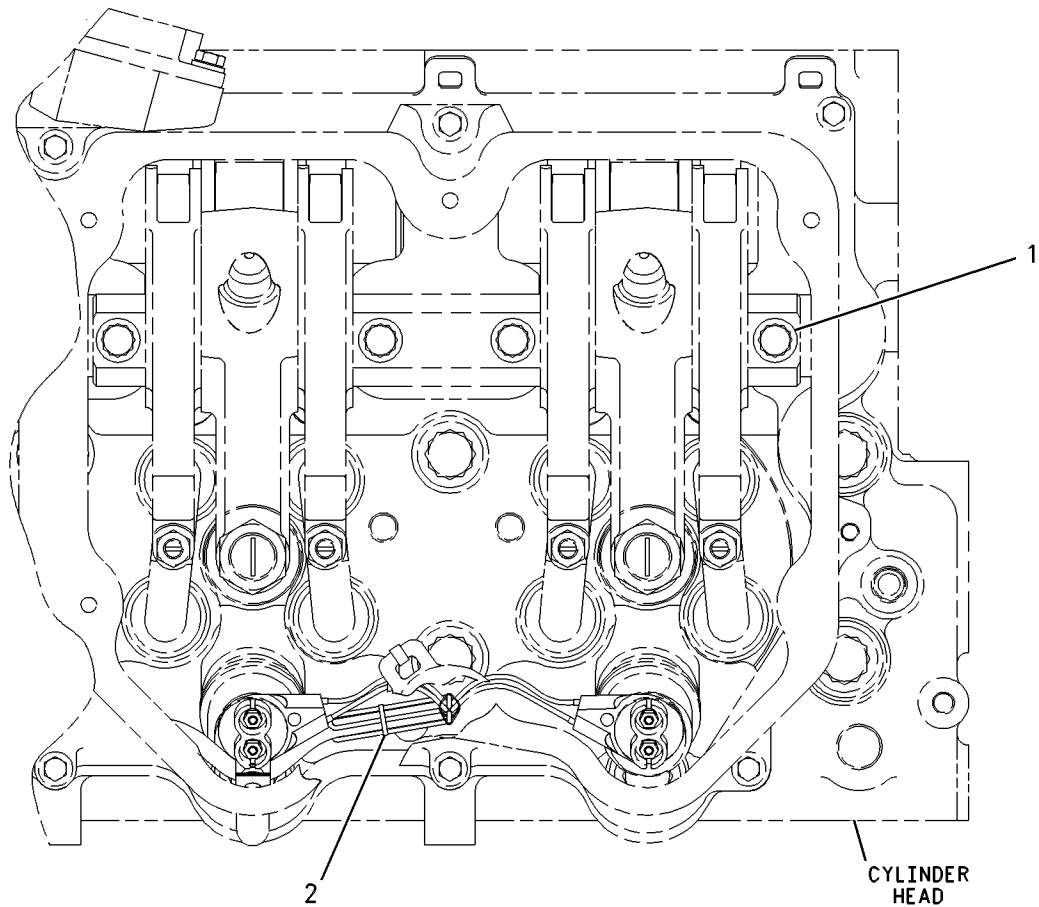
CANNOT BE USED WITH JAKE BRAKE

AN ATTACHMENT

SMCS-1102

i01090405

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5J-5794	12	BOLT (1/2-13X3.5IN)						
	2	1	8L-8413	6	STRAP-CABLE (1.12IN DIA)						



TOP VIEW

GRAPHIC #1

g00571205

BASIC ENGINE

4P-6817 FLYWHEEL GP

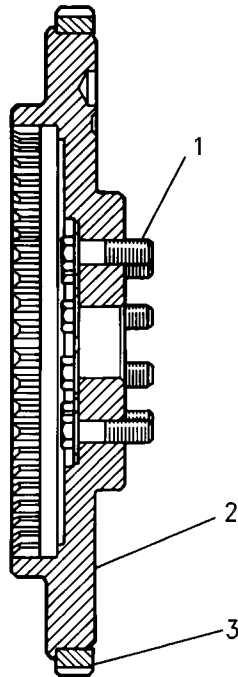
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1156

i01124563

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0S-1577	12	BOLT (5/8-18X2.25IN)						
		1	4D-3704	12	WASHER-HARD (5MM THK)						
	2	1	4P-6818	1	FLYWHEEL AS						
	3	1	4N-2514	1	GEAR (113 TEETH)						



GRAPHIC #1

g00594779

BASIC ENGINE

204-9316 GEAR GP-CAMSHAFT

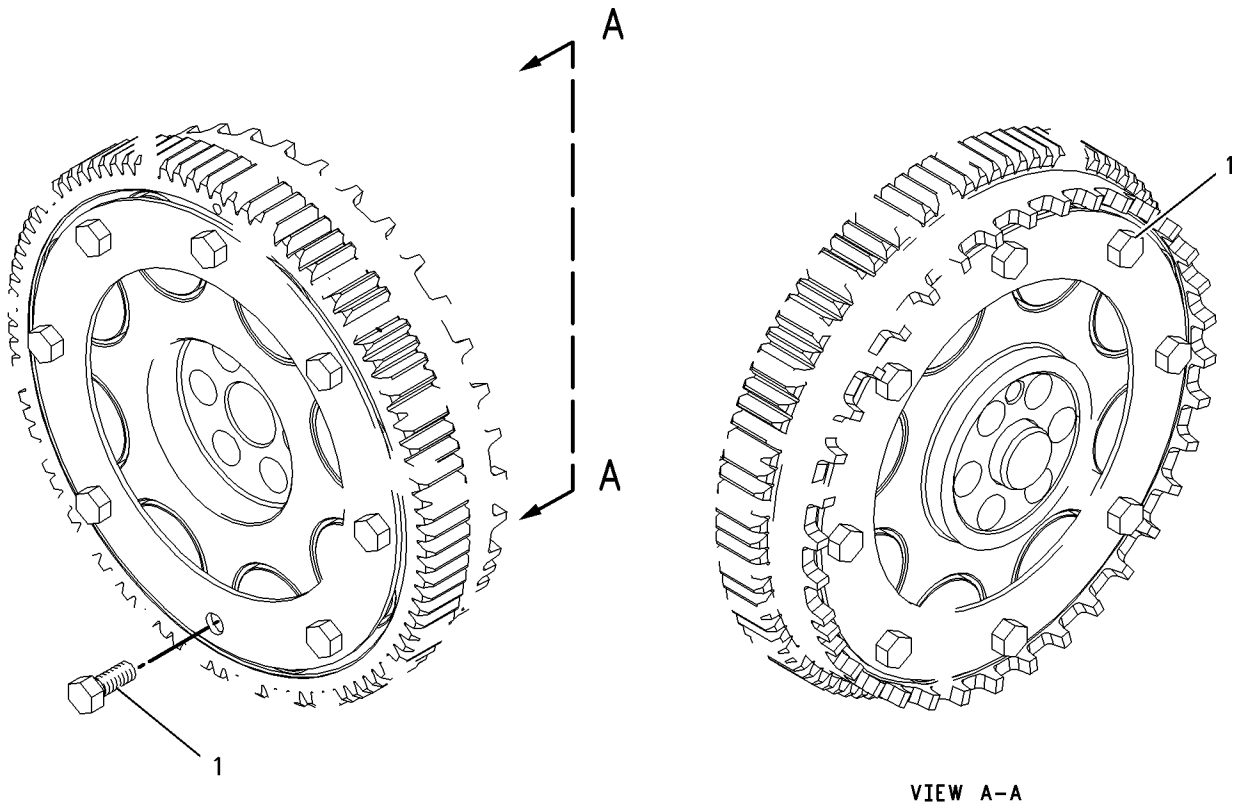
S/N: BNT1-UP

PART OF 208-9490 GEAR GP-FRONT
AN ATTACHMENT

SMCS-1212

i01549424

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-8872	16	BOLT-LOCKING (3/8-16X0.875 IN)						



VIEW A-A

GRAPHIC #1

g00809033

BASIC ENGINE

208-9490 GEAR GP - FRONT

S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1206

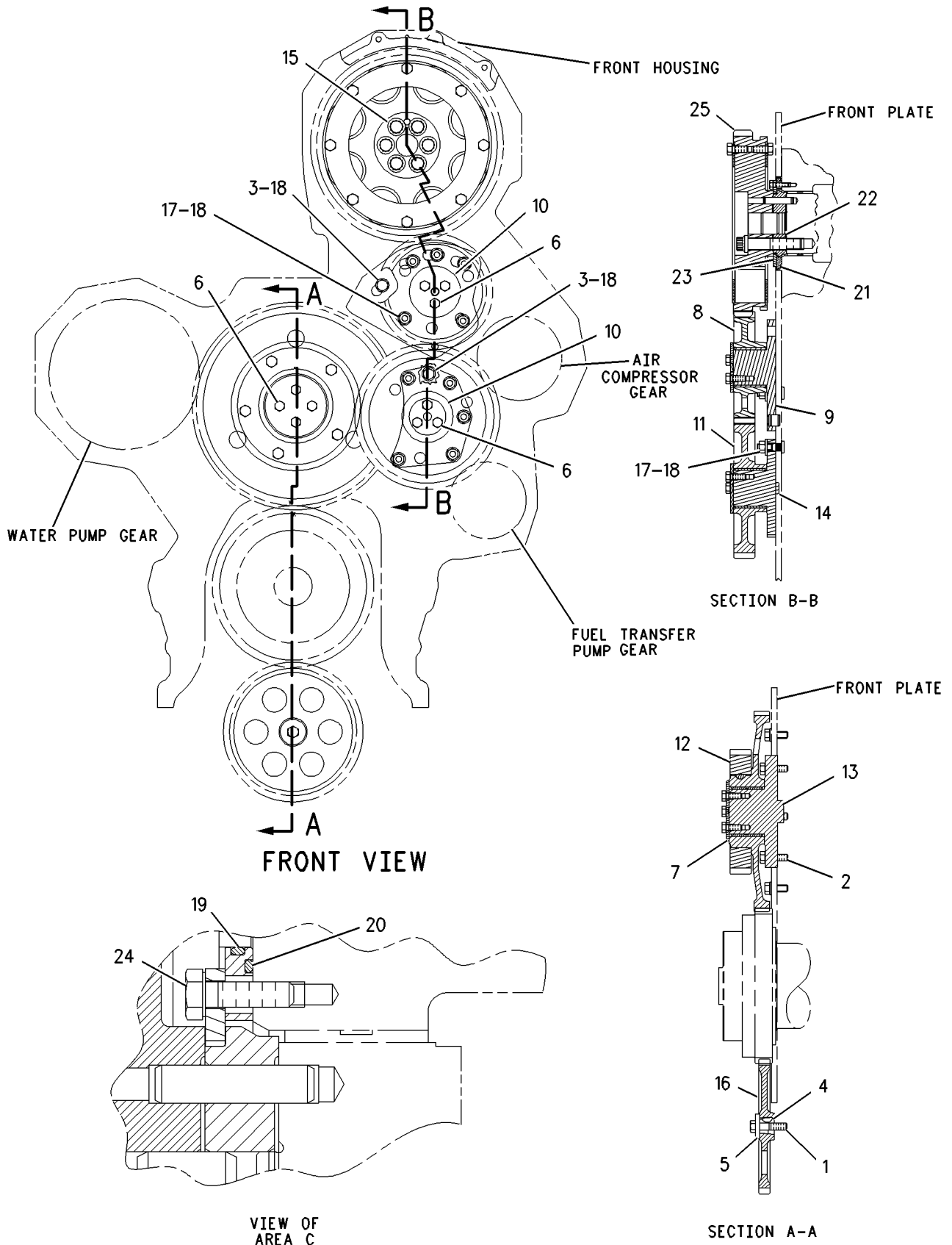
i01602836

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	0S-1571	1	BOLT (3/8-16X1.75 IN)	
	2	1	2J-3118	5	BOLT-LOCKING (3/8-16X1.25 IN)	
	3	1	5P-4142	2	BOLT-LOCKING	
	4	1	1B-8705	1	KEY-WOODRUFF	
	5	1	1P-7346	1	WASHER-HARD (10.2X35X6MM THK)	
	6	1	126-1756	10	BOLT-LOCKING	
	7	1	112-9217	1	PLATE-THRUST	
	8	1	130-4701	1	GEAR AS (56 TEETH)	
		1	130-4698	1	BEARING-SLEEVE	
9		1	151-5966	1	SHAFT AS-STUB	
		1	6I-3623	1	DOWEL	
10		1	6I-3624	2	PLATE-THRUST	
11		1	6I-3625	1	GEAR AS (71 TEETH)	
		1	101-8468	1	BEARING-SLEEVE	
12		1	149-9107	1	GEAR AS-CLUSTER (105/63 TEETH)	
		1	1B-8705	1	KEY-WOODRUFF	
		1	128-2661	1	BEARING-SLEEVE	
13		1	197-4971	1	SHAFT-STUB	
14		1	158-3416	1	STUBSHAFT	
15		1	031-3185	6	BOLT-12 POINT HEAD (76.2MM)	
16		1	149-9110	1	GEAR-OIL PUMP DRIVE (69 TEETH)	
17		1	9S-8752	10	NUT-FULL (3/8-16 THD)	
18		1	9X-6458	12	WASHER-HARD (10.2X22.5X3MM THK)	
19		1	117-8801	1	SEAL-O-RING	
20		1	5E-8771	1	SEAL-O-RING	
21		1	159-1533	1	PLATE-SEALING	
22		1	159-8524	1	ADAPTER AS	
		1	6V-3677	1	DOWEL	
23		1	102-5861	1	PLATE-THRUST	
24		1	107-0583	3	BOLT-LOCKING (1/4-20 X 0.87IN)	
Y	25	1	204-9316	1	GEAR GP-CAMSHAFT	35
Y-SEPARATE ILLUSTRATION						

BASIC ENGINE

208-9490 GEAR GP - FRONT (contd.)

i01602836



GRAPHIC #1

g00840424

BASIC ENGINE

189-5950 HOUSING GP - ENGINE BRAKE

S/N: BNT1-UP

PART OF 148-7486 ENGINE BRAKE GP
AN ATTACHMENT

SMCS-1119

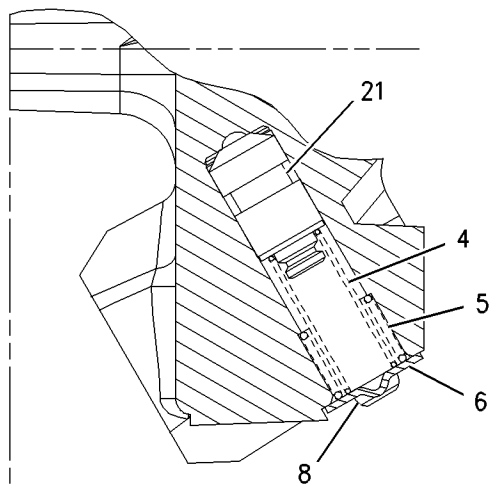
i01396012

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	143-6580	2	PISTON						
	2	1	2U-1493	1	SEAL						
	3	1	2U-1492	1	SEAL						
	4	1	143-2536	2	SPRING						
	5	1	143-2596	2	SPRING						
	6	1	143-6589	2	COVER						
	7	1	143-6679	2	RING-RETAINING						
	8	1	1Q-9551	2	SCREW-BUTTONHEAD						
	9	1	143-6581	2	SPRING						
	10	1	143-6588	2	WASHER						
	11	1	143-6561	2	RING-RETAINING						
	12	1	192-5501	2	PUSHROD AS						
	13	1	143-6582	2	SPRING						
	14	1	192-5502	2	SCREW AS-ADJUSTING						
	15	1	6B-6684	2	NUT-FULL (1/2-20 THD)						
	16	1	143-6579	1	CLIP-HARNESS						
	17	1	143-6583	2	PISTON-MASTER						
	18	1	143-6584	2	SPRING						
	19	1	164-2025	2	KIT-RETAINER						
					(EACH INCLUDES RETAINER WASHERS)						
	20	1	143-6585	2	PUSHROD						
	21	1	102-8780	2	SPOOL AS-VALVE						
	22	1	163-1553	1	SOLENOID						
	23	1	143-6680	1	SCREW-DRIVE						
	24	1	143-6642	1	SEAL						

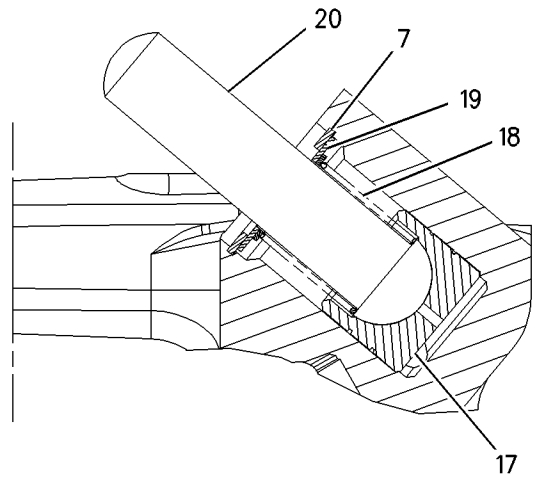
BASIC ENGINE

189-5950 HOUSING GP - ENGINE BRAKE (contd.)

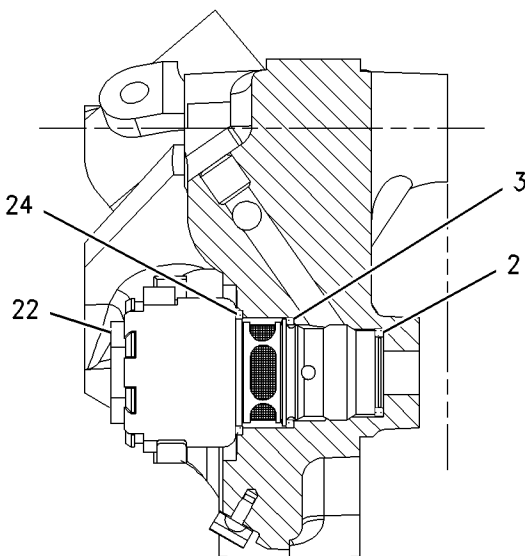
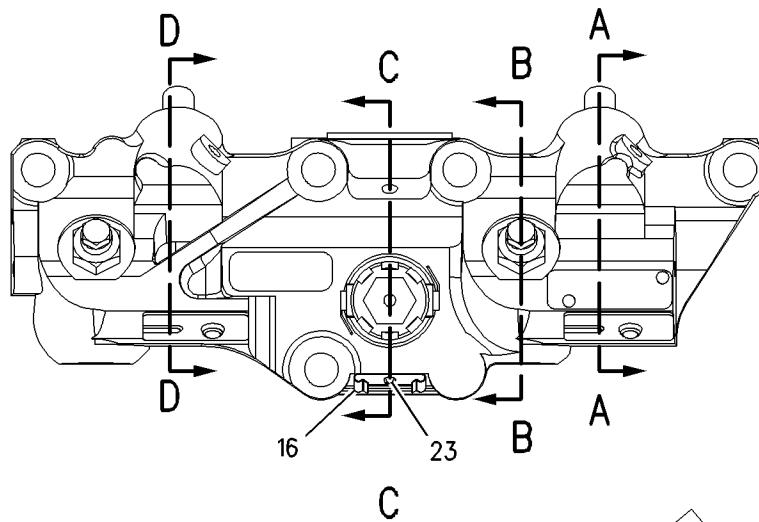
i01396012



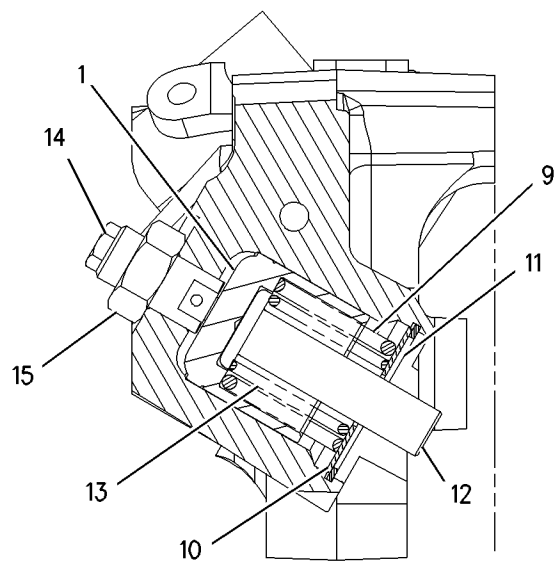
SECTION D-D



SECTION A-A



SECTION C-C



SECTION B-B

GRAPHIC #1

g00737464

BASIC ENGINE

134-2809 HOUSING GP-FLYWHEEL

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1157

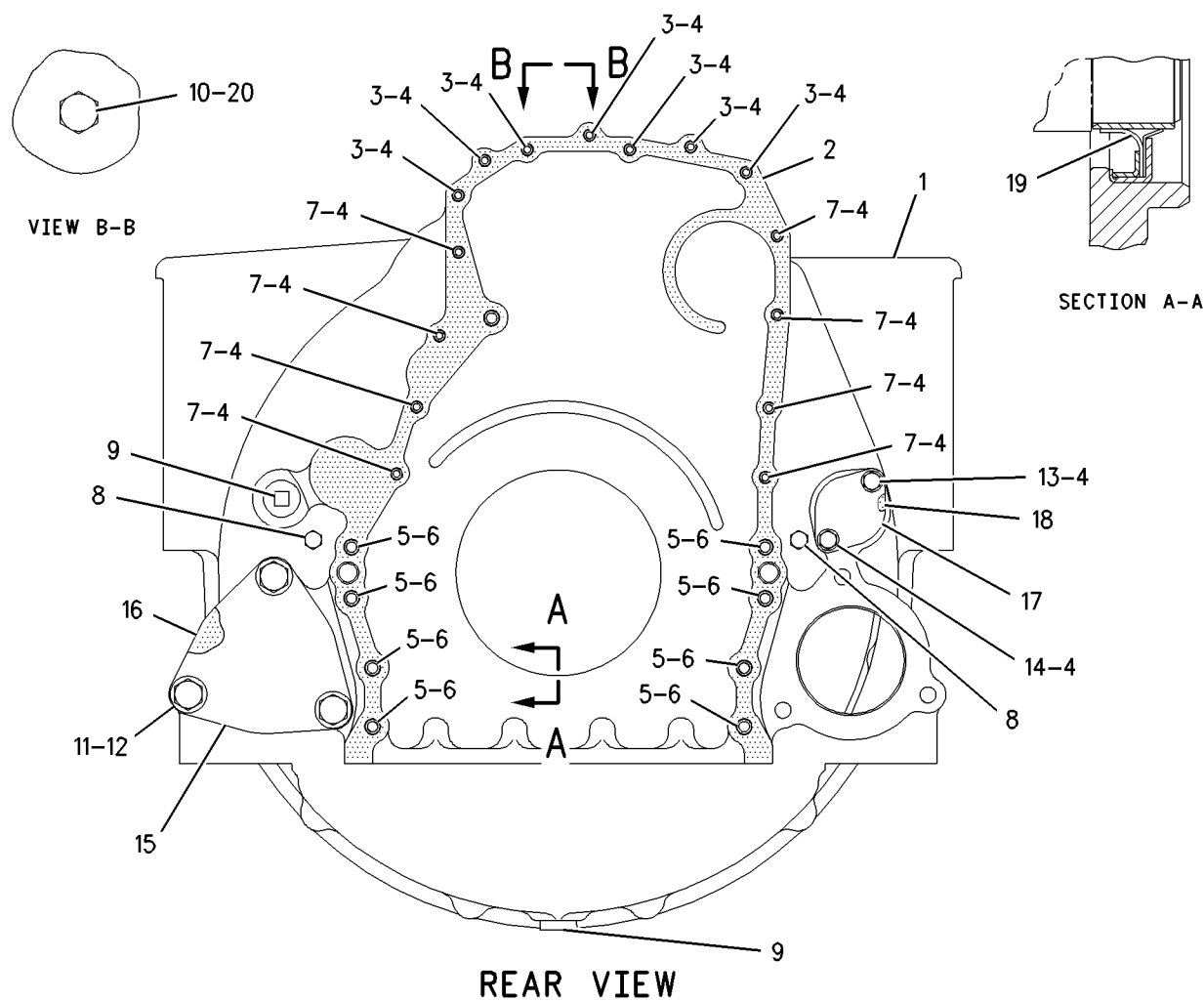
i01625462

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	131-8107	1	HOUSING AS-FLYWHEEL						
		1	1W-3136	1	BAFFLE						
	2	1	155-5619	1	GASKET-FLYWHEEL						
	3	1	165-3929	8	BOLT-HEX HEAD						
	4	1	5M-2894	17	WASHER-HARD (10.2X18.5X2.5MM THK)						
	5	1	7K-6058	9	BOLT-12 POINT HEAD (1/2-13X2.5IN)						
	6	1	5P-8245	9	WASHER-HARD (13.5X25.5X3MM THK)						
	7	1	165-3933	7	BOLT-HEX HEAD						
	8	1	5M-6213	2	PLUG-PIPE						
	9	1	1B-5174	2	PLUG-PIPE						
	10	1	5F-0304	1	PLUG-DRAIN						
	11	1	4B-4043	3	BOLT (5/8-11X1.375 IN)						
	12	1	5P-8247	3	WASHER-HARD (17X32X3.5MM THK)						
	13	1	0S-1619	1	BOLT (3/8-16X3 IN)						
	14	1	0S-1594	1	BOLT (3/8-16X1 IN)						
	15	1	3H-0761	1	COVER-OPENING						
	16	1	9Y-6089	1	GASKET						
	17	1	2P-2772	1	COVER						
	18	1	4N-0933	1	GASKET						
	19	1	2W-1734	1	SEAL GP-CRANKSHAFT						
	20	1	2A-1162	1	GASKET						

BASIC ENGINE

134 - 2809 HOUSING GP - FLYWHEEL (contd.)

i01625462



GRAPHIC #1

g00841432

BASIC ENGINE

199-1445 HOUSING GP-FRONT

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1151, 1162

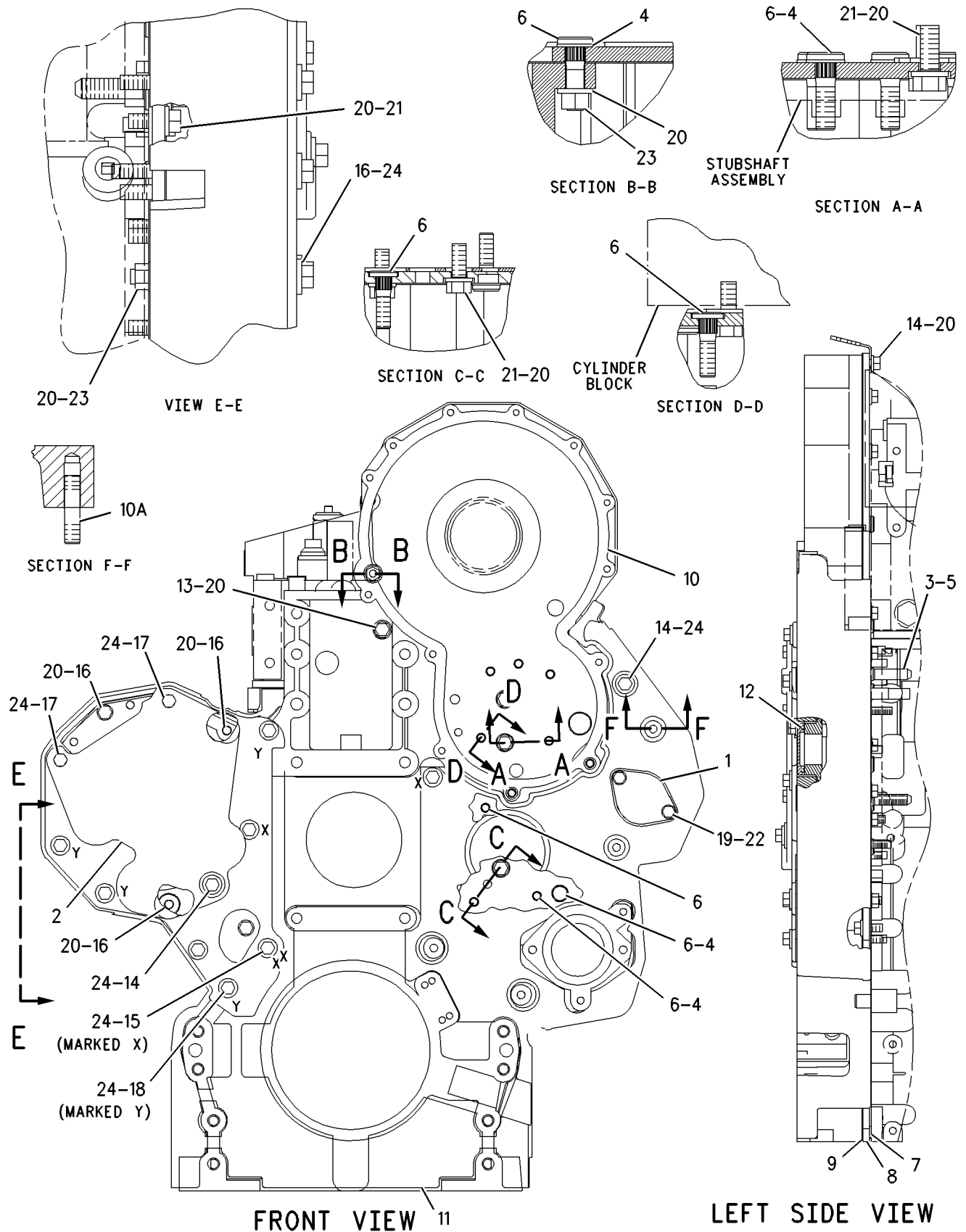
i01516063

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7C-1445	1	COVER						
	2	1	100-3098	1	COVER AS-PANEL						
	3	1	120-9243	2	STUD-BRAKE						
	4	1	126-1757	9	WASHER-SEAL						
	5	1	129-5427	2	WASHER (14X27X1.27MM THK)						
	6	1	129-5428	12	STUD						
	7	1	155-9524	1	SEAL-INTEGRAL						
	8	1	158-8881	1	PLATE						
	9	1	166-9144	1	GASKET						
	10	1	175-1483	1	HOUSING AS-FRONT						
	10A	1	3E-8044		STUD						
	11	1	178-7597	1	COVER AS						
	12	1	061-9455	1	SEAL-O-RING						
	13	1	0L-2070	1	BOLT (3/8-16X2.25 IN)						
	14	1	0S-1588	10	BOLT (3/8-16X1.25 IN)						
	15	1	0S-1594	3	BOLT (3/8-16X1 IN)						
	16	1	0T-0055	4	BOLT (3/8-16X4.25 IN)						
	17	1	1A-5183	2	BOLT (3/8-16X4.75 IN)						
	18	1	1A-5964	4	BOLT (3/8-16X4.5 IN)						
	19	1	2B-2695	2	BOLT (5/16-18X0.875 IN)						
	20	1	5M-2894	22	WASHER-HARD (10.2X18.5X2.5MM THK)						
	21	1	5P-4255	8	BOLT-LOCKING (3/8-16 X 1 IN)						
	22	1	9M-1974	2	WASHER-HARD (8.8X16X2MM THK)						
	23	1	9S-8752	2	NUT-FULL (3/8-16 THD)						
	24	1	9X-6458	12	WASHER-HARD (10.2X22.5X3MM THK)						

BASIC ENGINE

199-1445 HOUSING GP - FRONT (contd.)

i01516063



GRAPHIC #1

g00789532

BASIC ENGINE

111-2088 LIFTING GP-ENGINE

S/N: BNT1-UP

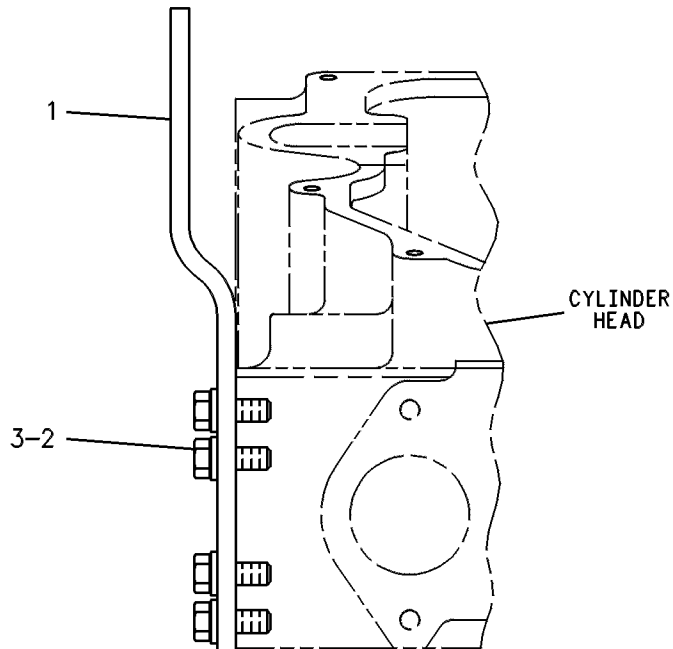
REAR- LOW PROFILE LIFTING EYE

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1122

i00702749

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	109-9985	1	EYE-LIFTING						
	2	1	0S-1594	8	BOLT (3/8-16X1IN)						
	3	1	5M-2894	8	WASHER (2.5MM THK)						



GRAPHIC #1

g00238183

BASIC ENGINE

111-2355 LIFTING GP-ENGINE

S/N: BNT1-UP

FRONT- OFFSET LIFTING EYE

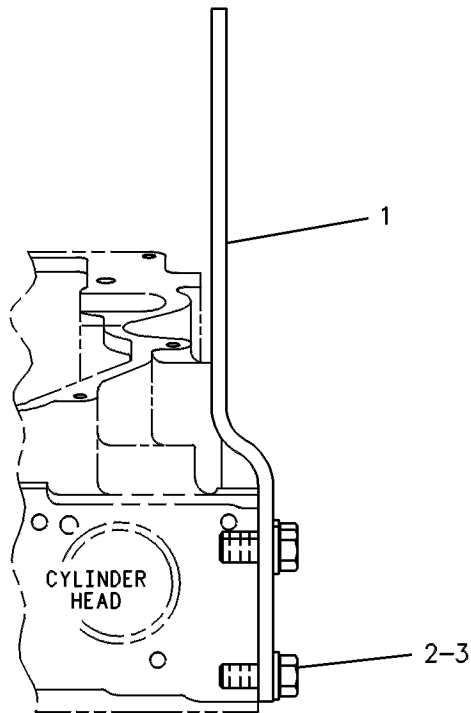
PART OF 198-6493, 198-6494 ENGINE AR-COMplete

CANNOT BE USED WITH ALTERNATOR MOUNTING
AN ATTACHMENT

SMCS-1122

i00833389

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	110-4344	1	EYE-LIFTING						
	2	1	0S-1595	4	BOLT (1/2-13X1.25IN)						
	3	1	5P-8245	4	WASHER (3MM THK)						



GRAPHIC #1

g00238181

BASIC ENGINE

188-1754 MOUNTING GP-ALTERNATOR & COMPR

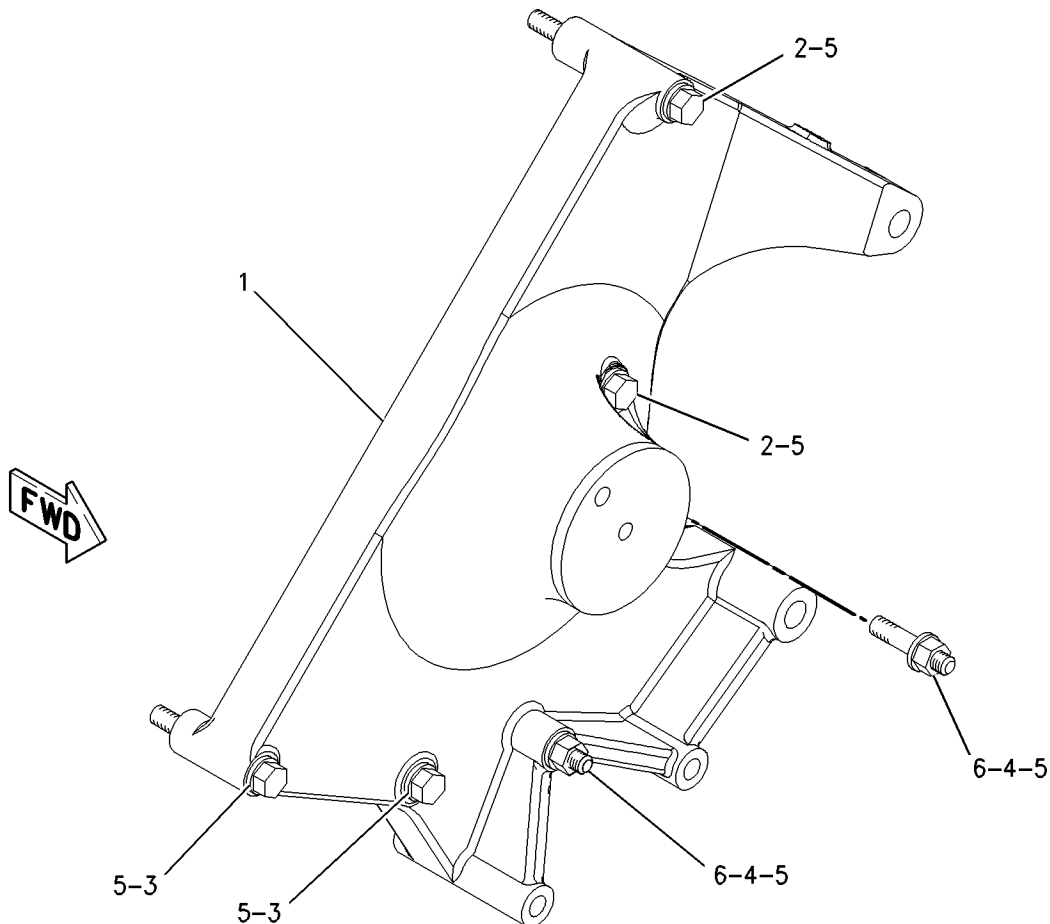
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMPLETE
AN ATTACHMENT

SMCS-1405, 1802

i01444958

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	188-1755	1	SUPPORT						
	2	1	0S-1608	2	BOLT (3/8-16X3.75 IN)						
	3	1	0T-0573	2	BOLT (3/8-16X2.75 IN)						
	4	1	2P-1974	2	STUD-TAPERLOCK (3/8IN NC X 4-7/32)						
	5	1	5M-2894	6	WASHER-HARD (10.2X18.5X2.5MM THK)						
	6	1	9S-8752	2	NUT-FULL (3/8-16 THD)						



GRAPHIC #1

g00759989

MEMORANDA

BASIC ENGINE

175-3860 PAN GP-OIL

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1302

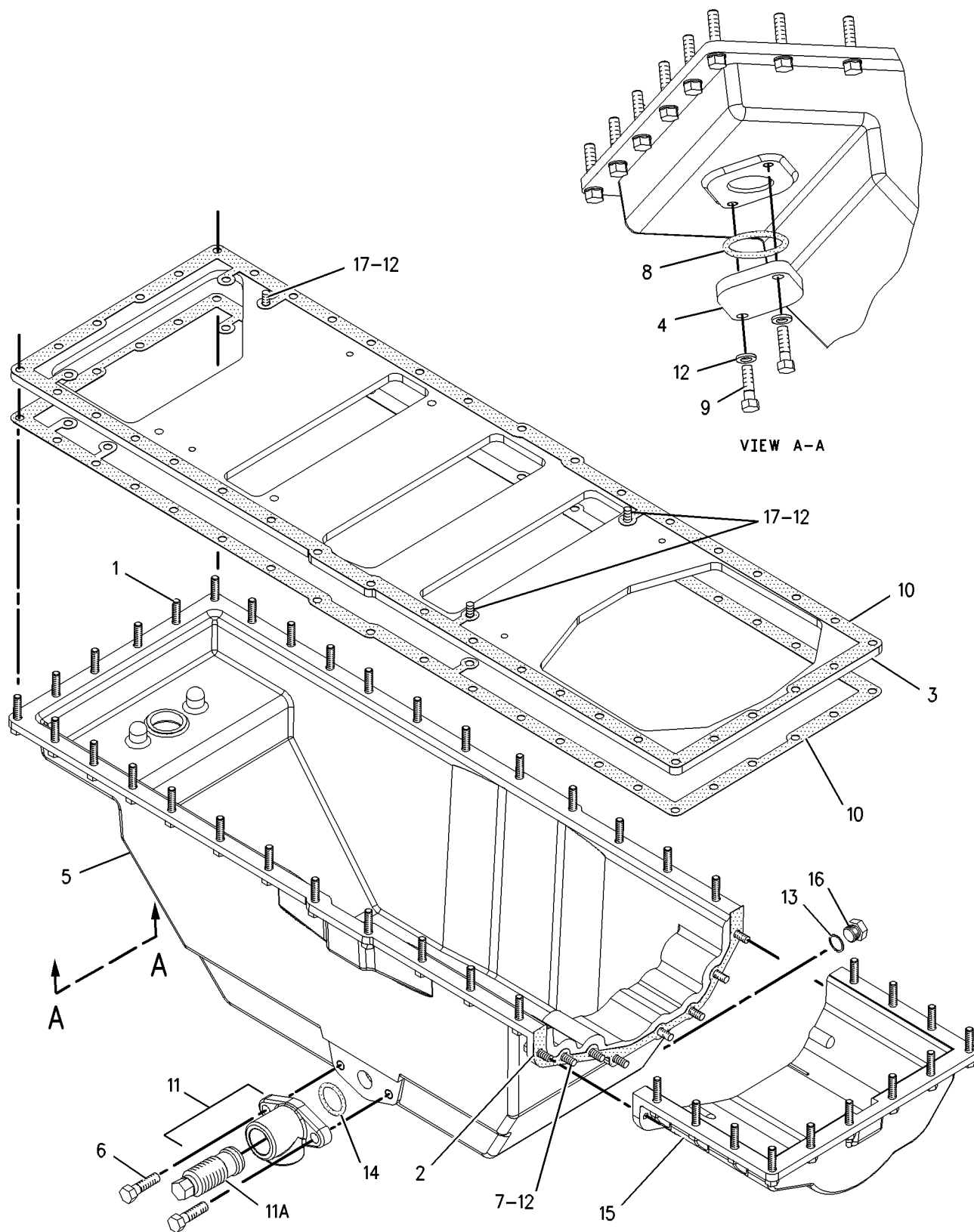
i01396008

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2P-3205	40	BOLT-WASHER HEAD						
	2	1	7E-4342	1	GASKET						
	3	1	9N-3167	1	PLATE-BLOCK BOTTOM						
	4	1	175-3868	1	COVER						
	5	1	179-3211	1	PAN-OIL						
	6	1	0S-1587	2	BOLT (1/2-13X1.75 IN)						
	7	1	0S-1588	8	BOLT (3/8-16X1.25 IN)						
	8	1	109-0076	1	SEAL-O-RING (50.17MM ID)						
	9	1	3B-1915	2	BOLT (3/8-16X1.37 IN)						
	10	1	4N-1151	2	GASKET						
	11	1	4P-0519	1	ADAPTER AS-DRAIN						
	11A	1	109-5839	1	PLUG-OIL DRAIN						
	12	1	5M-2894	13	WASHER-HARD (10.2X18.5X2.5MM THK)						
	13	1	5P-7701	1	SEAL-O-RING (29.74MM ID)						
	14	1	6V-3830	1	SEAL-O-RING (34.29MM ID)						
	15	1	7E-4341	1	PAN-OIL						
	16	1	9S-9334	1	PLUG (1 5/16-12 THD)						
	17	1	1A-2029	3	BOLT (3/8-16X1.125 IN)						

BASIC ENGINE

175-3860 PAN GP-OIL (contd.)

i01396008



GRAPHIC #1

g00735585

BASIC ENGINE

134-3071 PISTON & ROD GP*R

S/N: BNT1-UP

RATIO 16:1

PART OF 198-6492 ENGINE AR-CORE

AN ATTACHMENT

SMCS-1225

i01546824

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	192-8810	1	CROWN AS-PISTON						
	2	1	158-0446	1	SKIRT-PISTON						
	3	1	168-7246	1	PIN-PISTON						
	4	1	7E-1177	2	RETAINER-PIN						
R	5	1	9Y-6054	1	ROD AS-CONNECTING						
		1	7N-2043	2	DOWEL						
M	6	1	7E-4195	2	BOLT-CONNECTING ROD						
	7	1	153-4101	1	RING-PISTON TOP						
	8	1	147-1730	1	RING-PISTON (INTERMEDIATE)						
	9	1	139-8505	1	RING-PISTON (OIL)						
	10	1	9Y-7735	1	BEARING-ROD (STANDARD)						
	11	1	151-5925	1	BOLT-OIL JET						
	12	1	168-4539	1	TUBE AS-OIL JET						
A		1	7E-0558	1	BEARING-ROD (.635 MM US)						
A		1	7E-0559	1	BEARING-ROD (1.27 MM US)						

A-NOT PART OF THIS GROUP

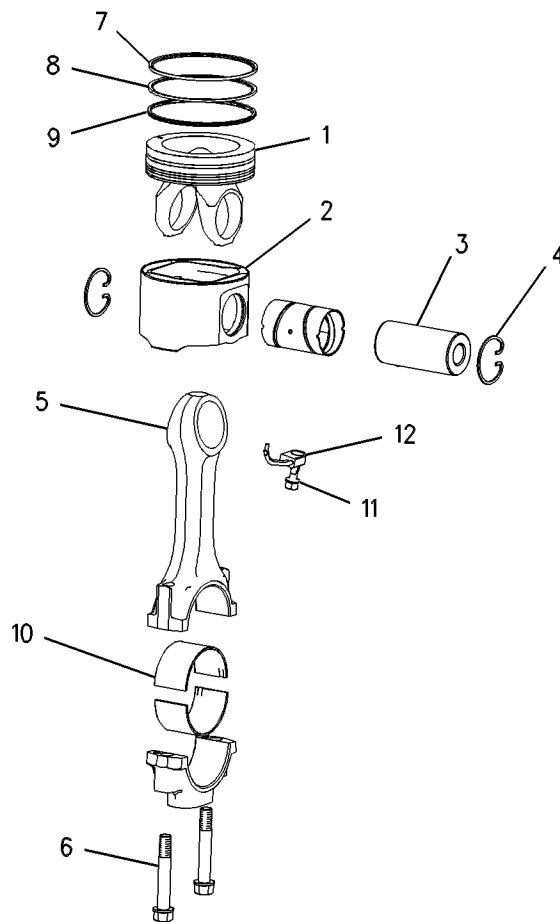
M-METRIC PART

R-REMFG PART MAY BE AVAILABLE

BASIC ENGINE

134-3071 PISTON & ROD GP (contd.)

i01546824



GRAPHIC #1

g00557188

BASIC ENGINE

145-6851 PLUG GP-CYLINDER BLOCK

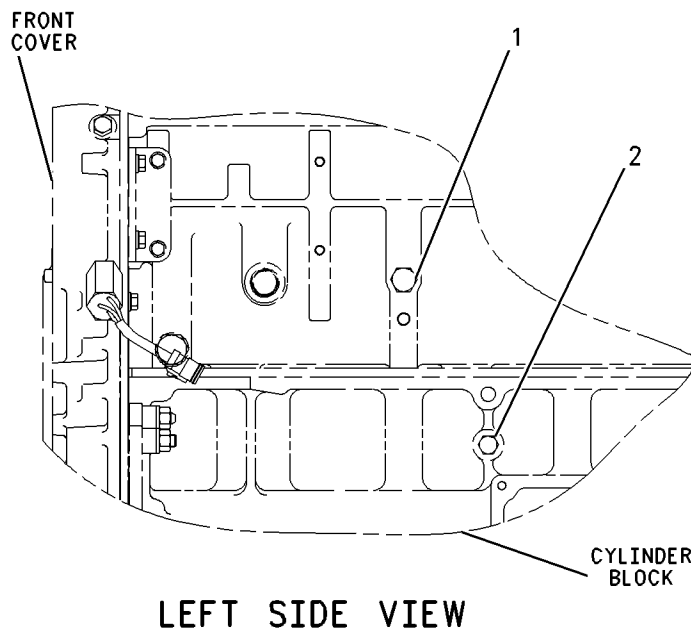
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
CANNOT BE USED WITH AIR COMPRESSOR OR PUMP DRIVE
AN ATTACHMENT

SMCS-1201

i01328017

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD)						
	2	1	8T-6767	1	PLUG-PIPE (3/8-18 NPTF THD)						



GRAPHIC #1

g00702666

BASIC ENGINE

200-2794 PLUG GP-CYLINDER HEAD

S/N: BNT1-UP

FOR THE WATER VENT PORTS IN THE TOP OF THE CYLINDER HEAD

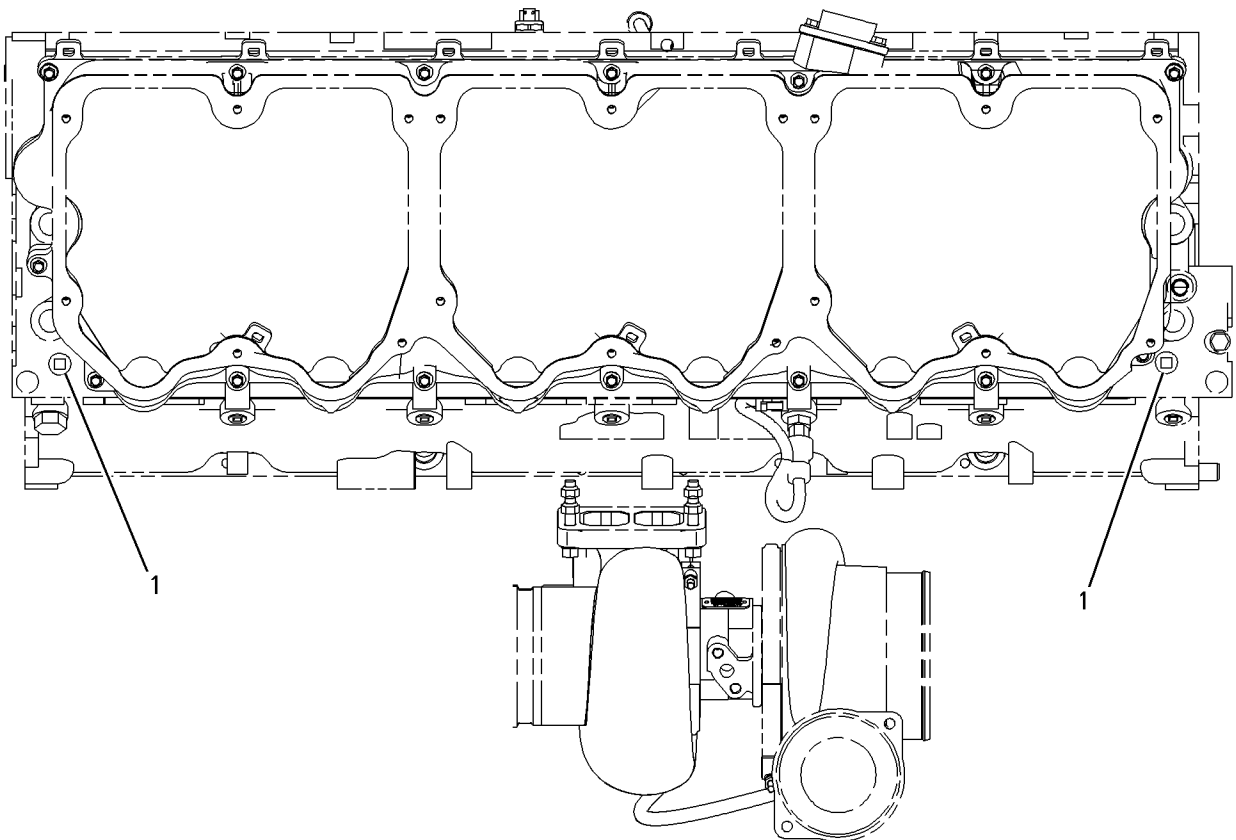
PART OF 198-6493, 198-6494 ENGINE AR-COMplete

AN ATTACHMENT

SMCS-1100

i01607604

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8T-6762	2	PLUG-PIPE						



TOP VIEW

GRAPHIC #1

g00788960

BASIC ENGINE

170-1757 PULLEY GP-CRANKSHAFT

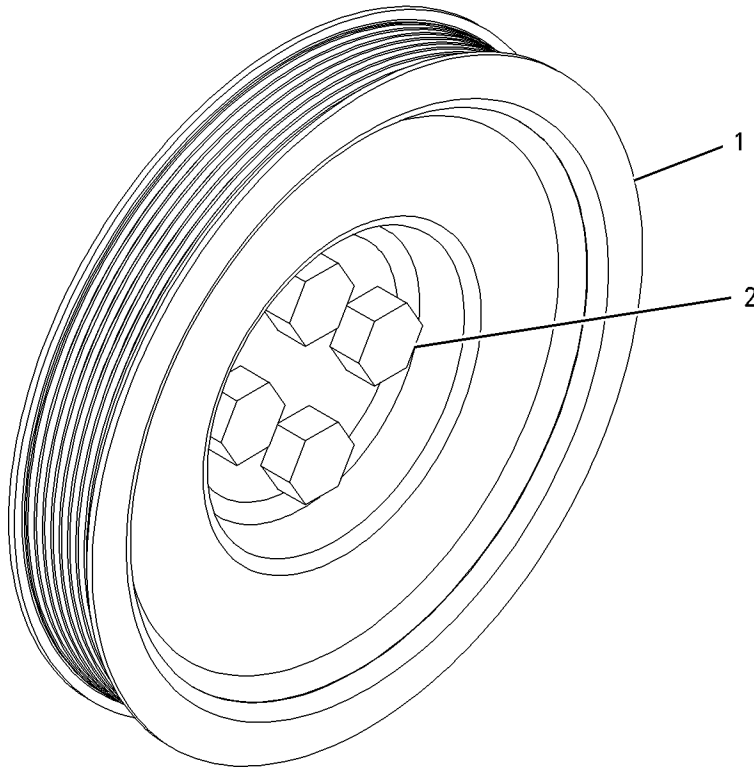
S/N: BPC1-UP

PART OF 201-4341 INSTALLATION AR-ENGINE

SMCS-1205

i01288019

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	172-4848	1	PULLEY (8 GROOVE)						
	2	1	7X-0345	4	BOLT (5/8-11X1.75IN)						



GRAPHIC #1

g00684206

MEMORANDA

BASIC ENGINE

207-5244 ROCKER ARM GP

S/N: BNT1-UP

PART OF 208-2820 VALVE MECHANISM GP
AN ATTACHMENT

SMCS-1123

i01565907

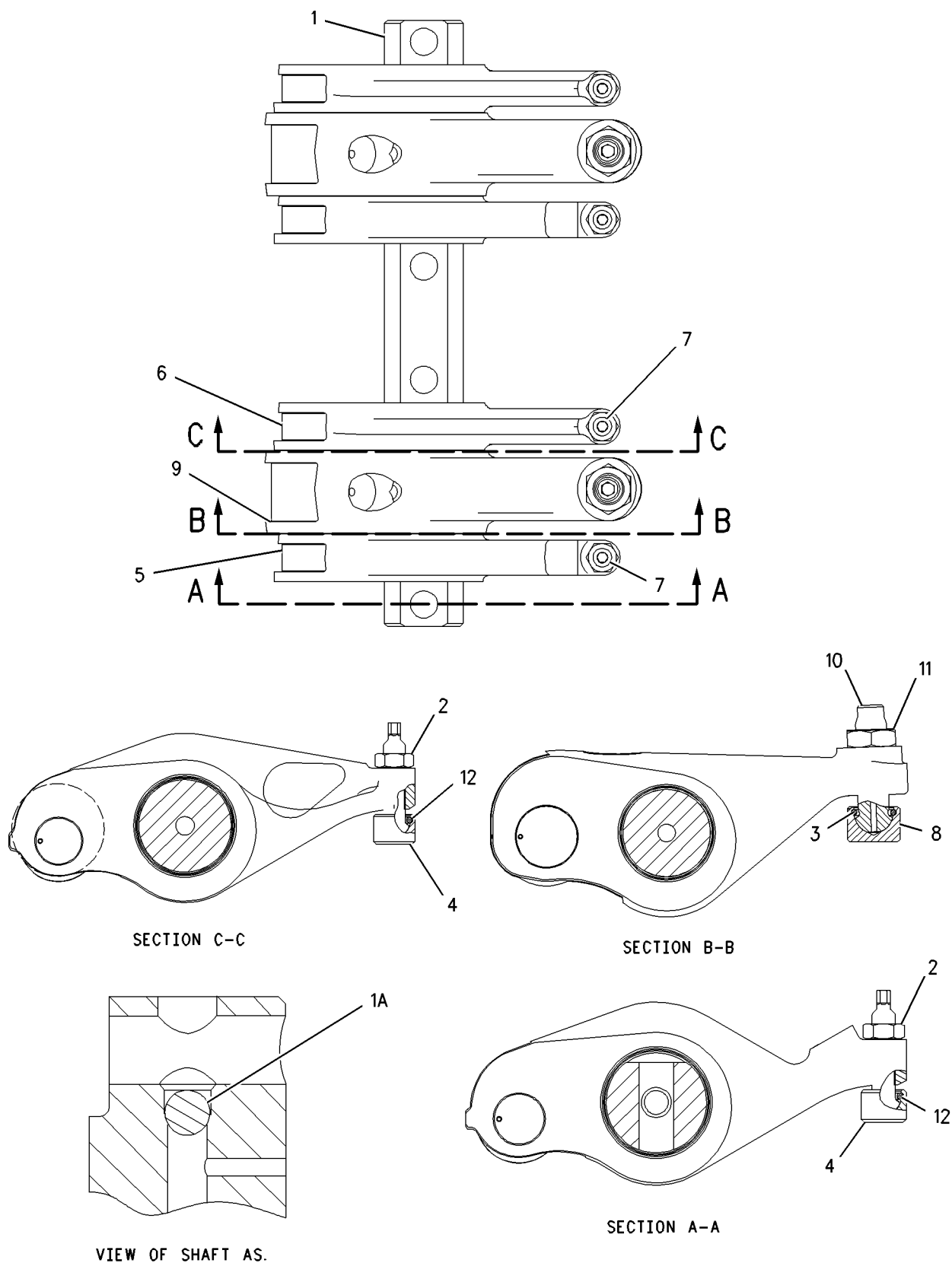
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0901	1	SHAFT AS-ROCKER ARM						
	1A	1	4B-9782	2	BALL (9.525MM)						
	2	1	9L-7712	4	NUT (3/8-24 THD)						
	3	1	061-8639	2	SEAL-O-RING (15.54MM ID)						
	4	1	104-9270	4	BUTTON						
R	5	1	162-9175	2	ROCKER ARM AS (EXHAUST)						
	6	1	170-8661	2	ROCKER ARM AS (INLET)						
	7	1	183-7547	4	SCREW-ROCKER ARM						
	8	1	192-4151	1	BUTTON						
	9	1	192-8215	2	ARM AS (UNIT INJECTOR)						
	10	1	196-5069	2	SCREW						
	11	1	196-5070	2	NUT-JAM (9/16-18 THD)						
	12	1	8L-2777	4	SEAL-O-RING						

R-REMFG PART MAY BE AVAILABLE

BASIC ENGINE

207-5244 ROCKER ARM GP (contd.)

i01565907



GRAPHIC #1

g00805051

BASIC ENGINE

132-6236 SUPPORT GP-ENGINE

S/N: BPC1-UP

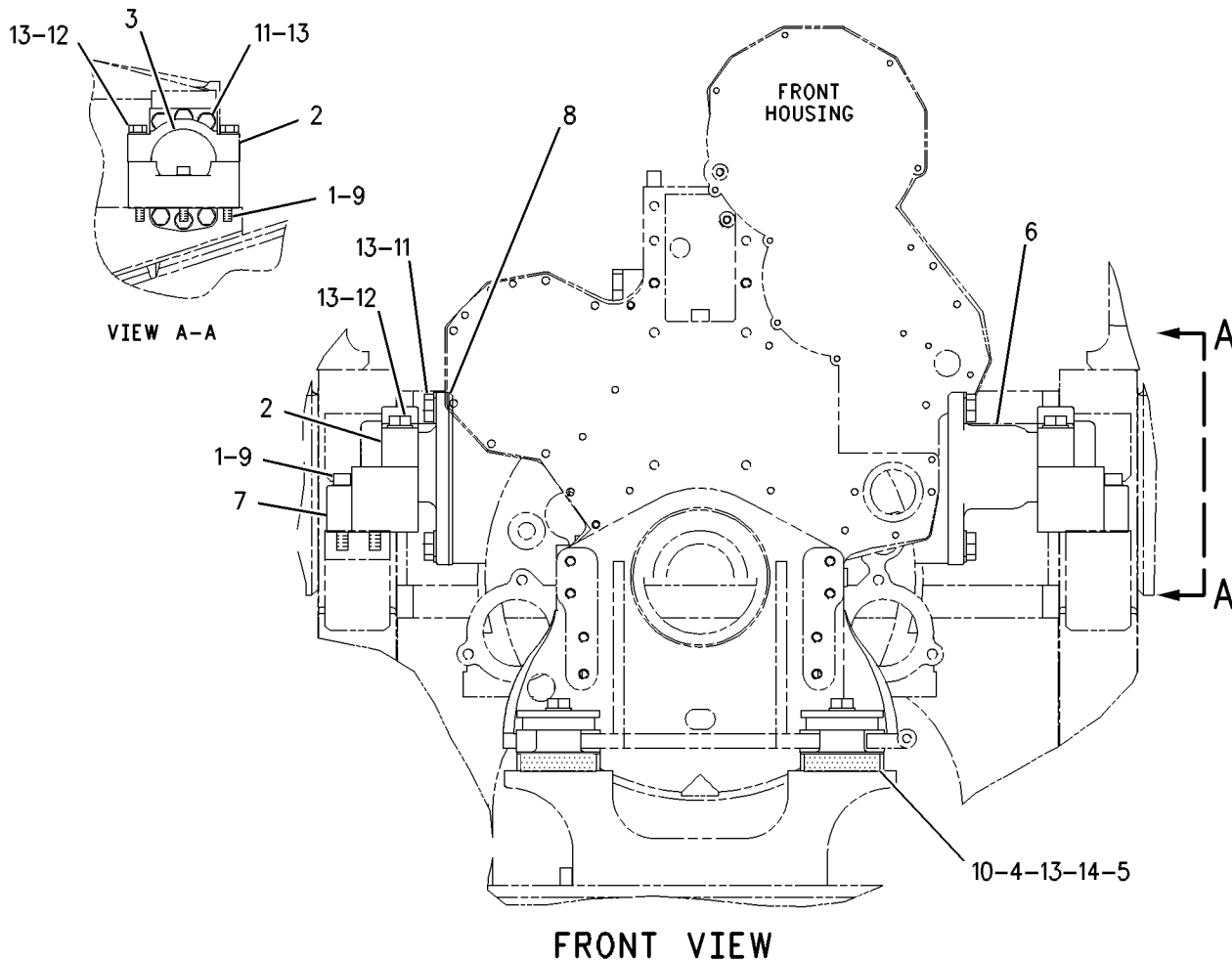
PART OF 201-4341 INSTALLATION AR-ENGINE

SMCS-1154

i00984158

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4J-2677	6	WASHER						
	2	1	4P-7882	2	CAP						
	3	1	6Y-2090	2	MOUNT AS						
	4	1	9W-6582	2	SLEEVE						
	5	1	9W-9930	2	MOUNT AS						
	6	1	136-6381	1	SUPPORT-ENGINE						
	7	1	136-6382	2	SUPPORT-ENGINE						
	8	1	137-2196	1	SUPPORT-ENGINE						
M	9	1	3E-8008	6	BOLT-SOCKET HEAD (M16X2X90MM)						
M	10	1	7X-2532	2	BOLT (M20X2.5X130MM)						
M	11	1	7X-2563	12	BOLT (M20X2.5X60MM)						
M	12	1	7X-2564	4	BOLT (M20X2.5X90MM)						
	13	1	8T-4123	18	WASHER-PLATED (3.5MM THK)						
	14	1	9W-6584	2	WASHER (10MM THK)						

M-METRIC PART



GRAPHIC #1

g00505953

BASIC ENGINE

185-6278 SUPPORT GP-ENGINE

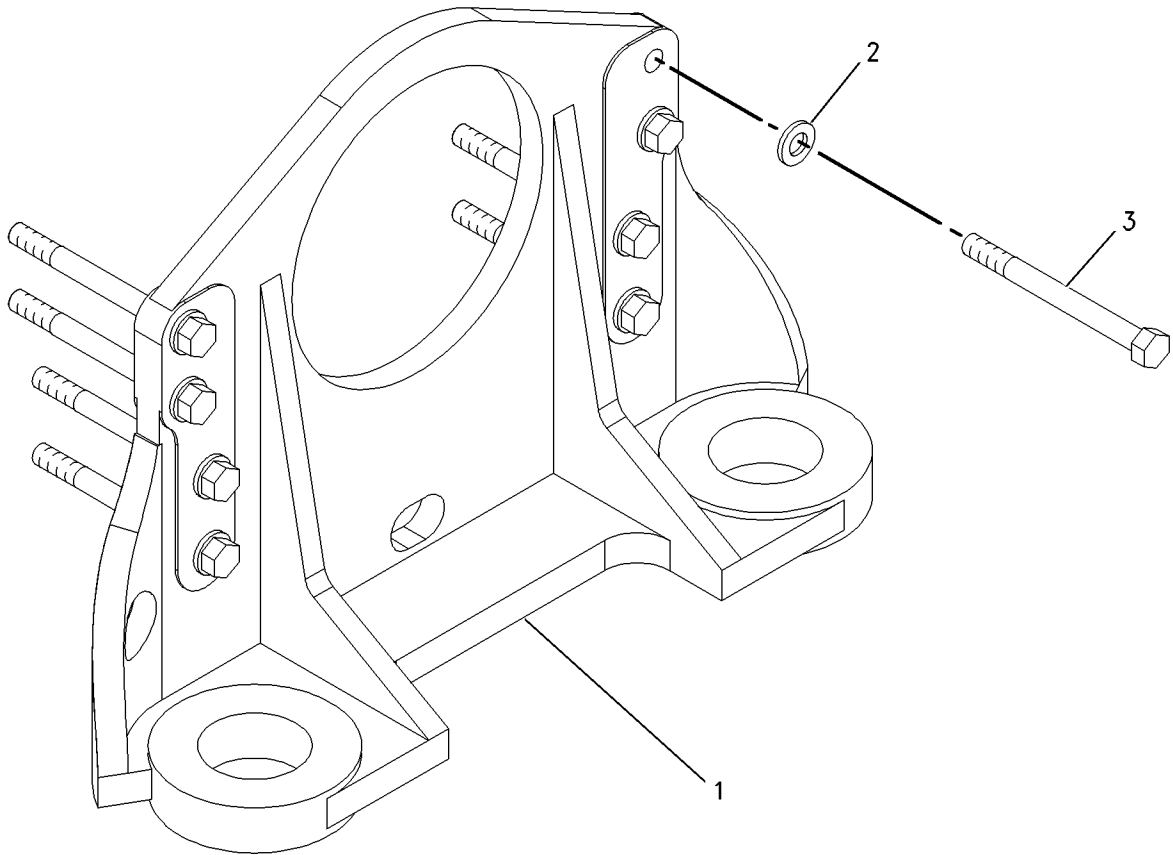
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1154

i01287823

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7E-0505	1	SUPPORT-ENGINE						
	2	1	5P-8245	8	WASHER-HARD (3MM THK)						
	3	1	9X-8878	8	BOLT (1/2-13 THD X 5.25 IN)						



GRAPHIC #1

g00682558

BASIC ENGINE

208-2820 VALVE MECHANISM GP

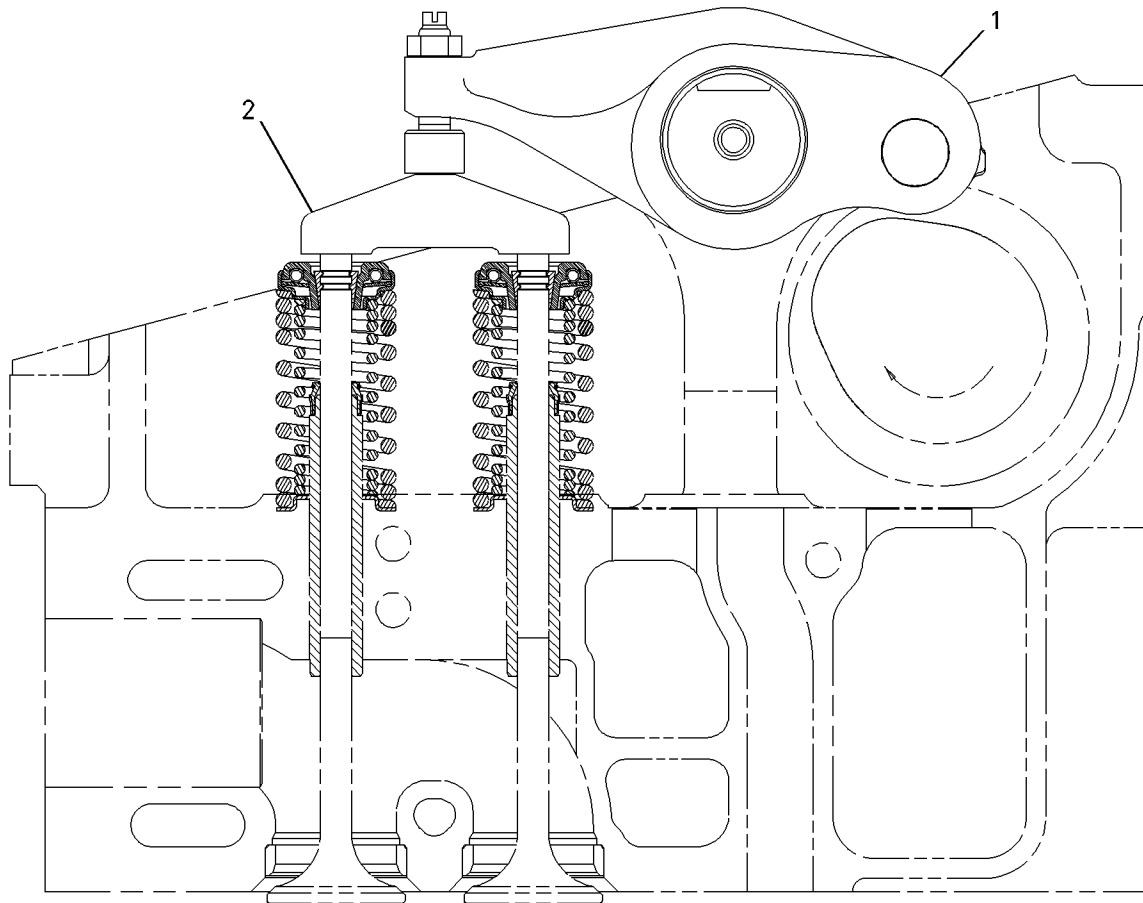
S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1102, 1121, 1123

i01547371

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	207-5244	3	ROCKER ARM GP						56
	2	1	6I-1458	12	BRIDGE - VALVE						
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

g00805062

LUBRICATION SYSTEM

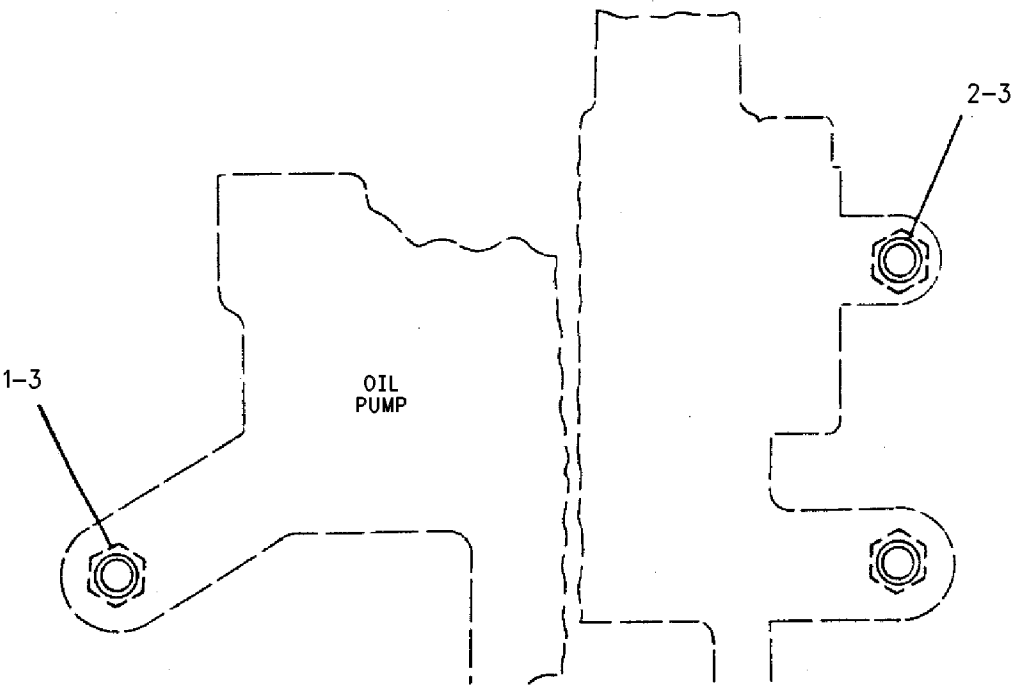
4N-2481 FASTENER GP-OIL PUMP MOUNTING

S/N: BNT1-UP
PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1304

i01446823

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	0L-1143	2	BOLT (3/8-16X2.50 IN)						
	2	1	0S-1590	1	BOLT (3/8-16X2 IN)						
	3	1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5MM THK)						



GRAPHIC #1

g00604525

LUBRICATION SYSTEM

167-7696 FILLER GP-ENGINE OIL

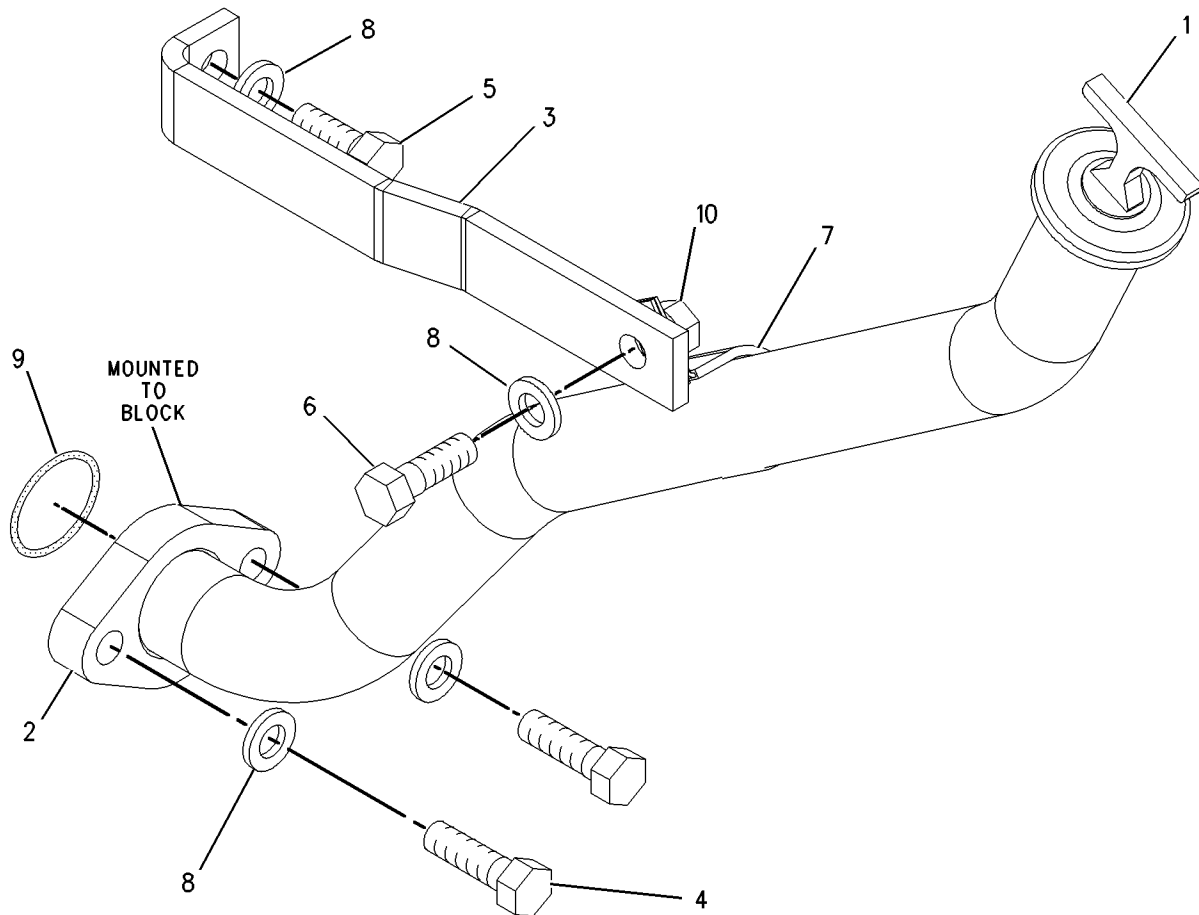
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1316

i01278092

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9L-8439	1	CAP-OIL FILLER						
	2	1	167-7695	1	TUBE AS-OIL FILLER						
	3	1	176-7658	1	BRACKET						
	4	1	0S-1588	2	BOLT (3/8-16X1.25IN)						
	5	1	0S-1594	1	BOLT (3/8-16X1 IN)						
	6	1	1A-2029	1	BOLT (3/8-16X1.125IN)						
	7	1	4S-4455	1	CLIP (31.75MM ID)						
	8	1	5M-2894	5	WASHER (2.5MM THK)						
	9	1	8C-0624	1	SEAL-O-RING (37.77MM ID)						
	10	1	9S-8752	1	NUT (3/8-16 THD)						



GRAPHIC #1

g00678096

MEMORANDA

LUBRICATION SYSTEM

191-0966 FILTER GP-ENGINE OIL

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1306, 1308

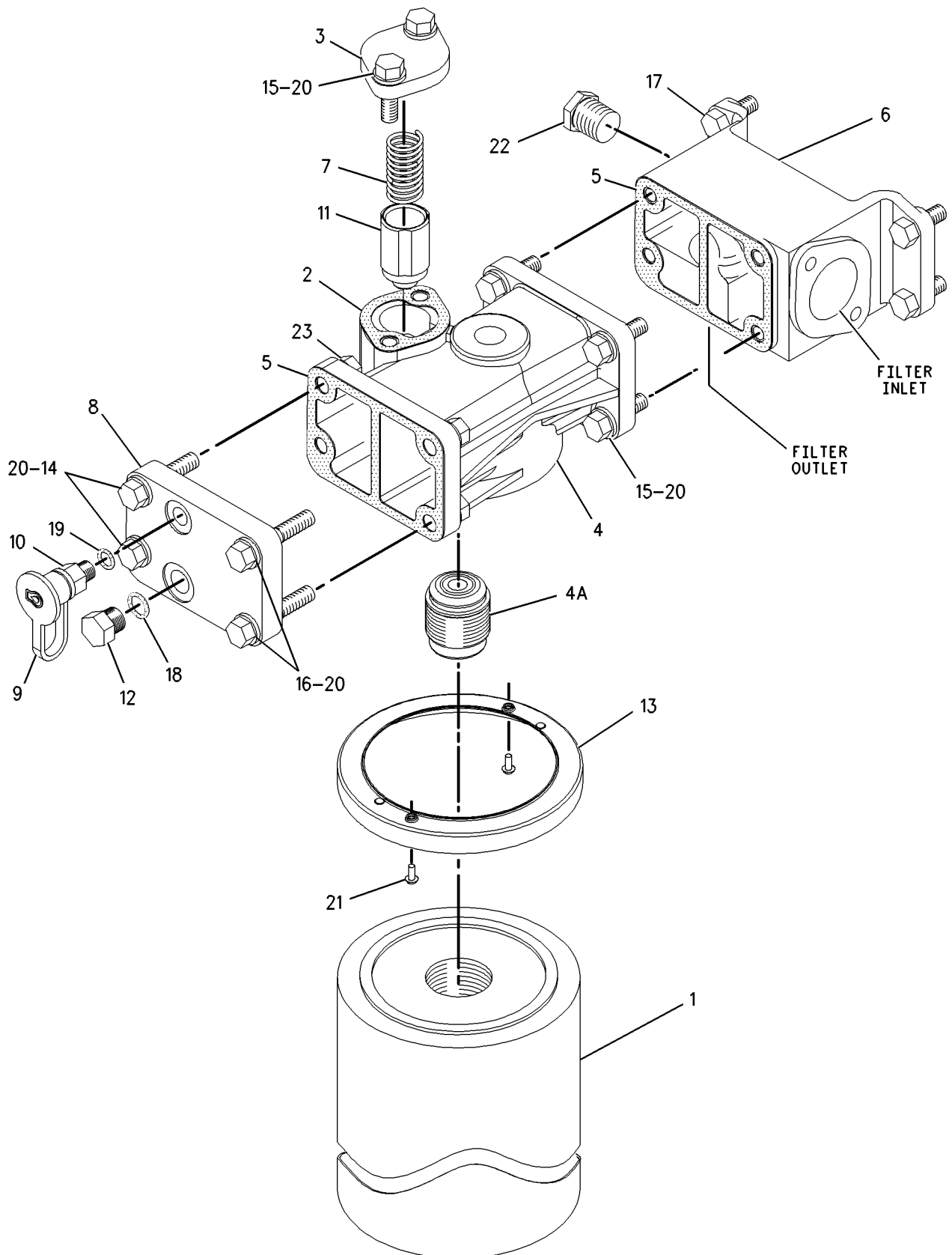
i01328279

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1R-0716	1	FILTER AS-ENGINE OIL						
	2	1	2P-3760	1	GASKET						
	3	1	2P-3761	1	COVER						
	4	1	2P-4301	1	BASE AS						
	4A	1	2P-4304	1	STUD-TAPERLOCK						
	5	1	2P-4305	2	GASKET						
	6	1	4N-0827	1	ADAPTER-FILTER						
	7	1	4N-8150	1	SPRING						
	8	1	7C-4038	1	COVER						
	9	1	8C-3445	1	CAP-DUST						
	10	1	8C-3446	1	VALVE-FLUID SAMPLING						
	11	1	1P-1367	1	PLUNGER (OIL COOLER RELIEF VALVE)						
	12	1	9S-4191	1	PLUG-O-RING (9/16-18 THD)						
	13	1	191-0965	1	SHIELD-OIL FILTER						
	14	1	0S-1571	2	BOLT (3/8-16X1.75 IN)						
	15	1	0S-1588	6	BOLT (3/8-16X1.25 IN)						
	16	1	0S-1590	2	BOLT (3/8-16X2 IN)						
	17	1	0S-1594	4	BOLT (3/8-16X1 IN)						
	18	1	3J-1907	1	SEAL-O-RING (11.89MM ID)						
	19	1	3J-7354	1	SEAL-O-RING (8.92MM ID)						
	20	1	5M-2894	14	WASHER-HARD (2.5MM THK)						
	21	1	7F-9090	2	SCREW-DRIVE						
	22	1	7W-6492	1	PLUG-PIPE (1/2-14 NPTF THD)						
	23	1	9S-8752	4	NUT-FULL (3/8-16 THD)						

LUBRICATION SYSTEM

191-0966 FILTER GP-ENGINE OIL (contd.)

i01328279



GRAPHIC #1

g00703555

LUBRICATION SYSTEM

159-9362 FUMES DISPOSAL GP

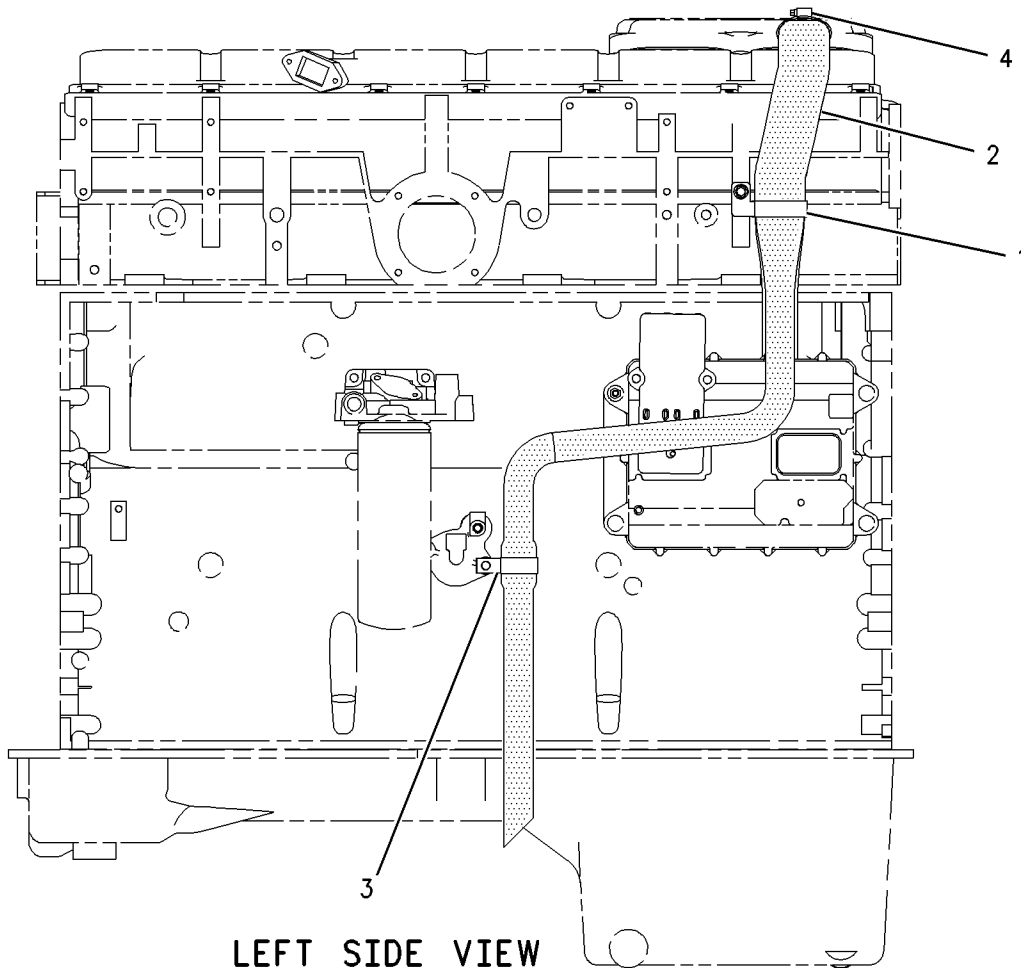
S/N: BNT1-UP

REAR VALVE COVER MOUNTED FUMES DISPOSAL
PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1317

i01625507

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	161-6622	1	CLIP						
	2	1	207-8128	1	HOSE AS						
	3	1	5P-2369	1	CLIP						
	4	1	9M-7959	1	CLAMP (HOSE)						



GRAPHIC #1

g00843396

LUBRICATION SYSTEM

199-6348 GAUGE GP-OIL LEVEL (DIPSTICK)

S/N: BNT1-UP

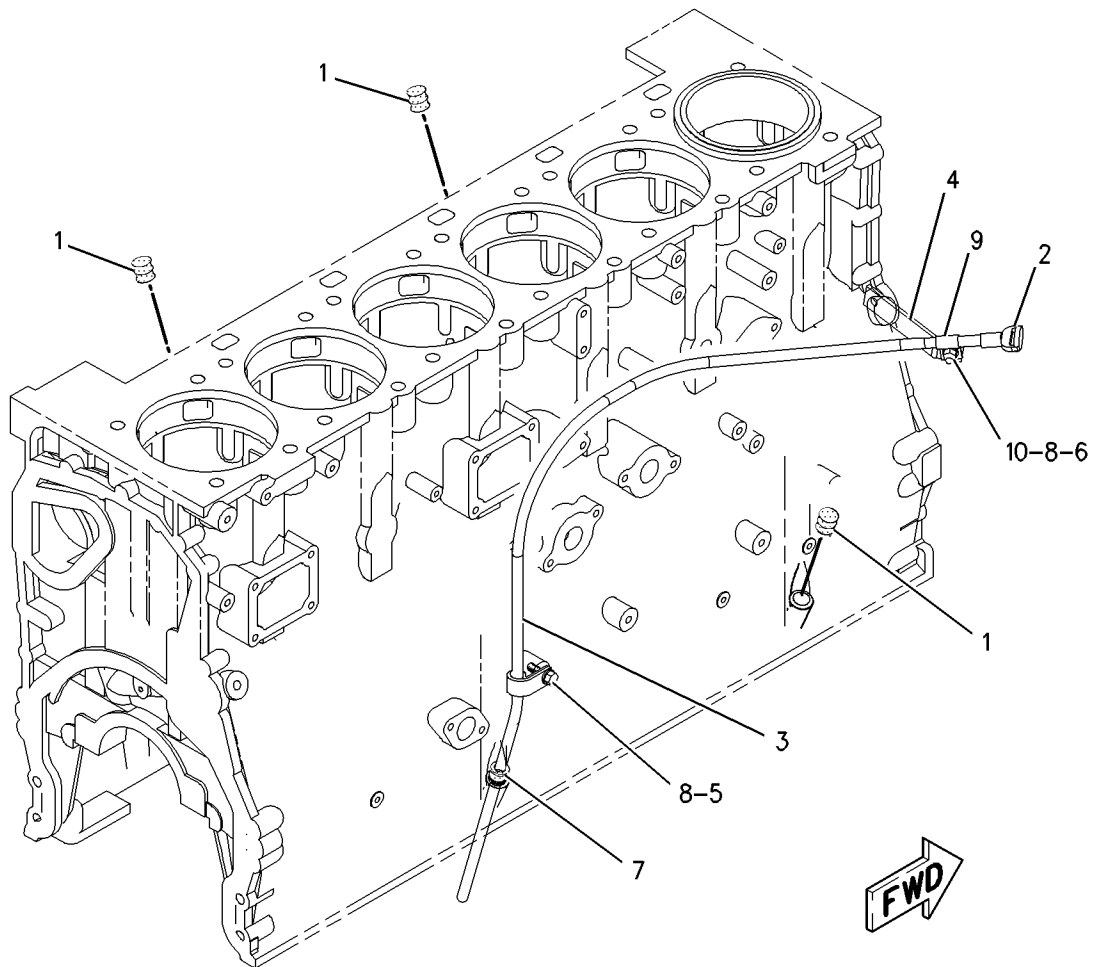
PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1326

i01516040

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
J	1	1	165-6170	3	PLUG						
	2	1	180-5567	1	GAUGE AS-OIL LEVEL (DIPSTICK)						
	3	1	180-5733	1	TUBE AS						
	4	1	183-6437	1	BRACKET						
	5	1	0S-1588	1	BOLT (3/8-16X1.25 IN)						
	6	1	0S-1594	1	BOLT (3/8-16X1 IN)						
	7	1	118-5068	1	SEAL-O-RING						
	8	1	5M-2894	3	WASHER-HARD (10.2X18.5X2.5MM THK)						
	9	1	5P-9299	1	CLIP						
	10	1	9S-8752	1	NUT-FULL (3/8-16 THD)						

J-USE TO PLUG OPTIONAL DIPSTICK LOCATION



GRAPHIC #1

g00790124

LUBRICATION SYSTEM

175-3862 LINES GP-ENGINE OIL

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
FOR USE WITH 56 LITER OIL PAN
AN ATTACHMENT

SMCS-1307

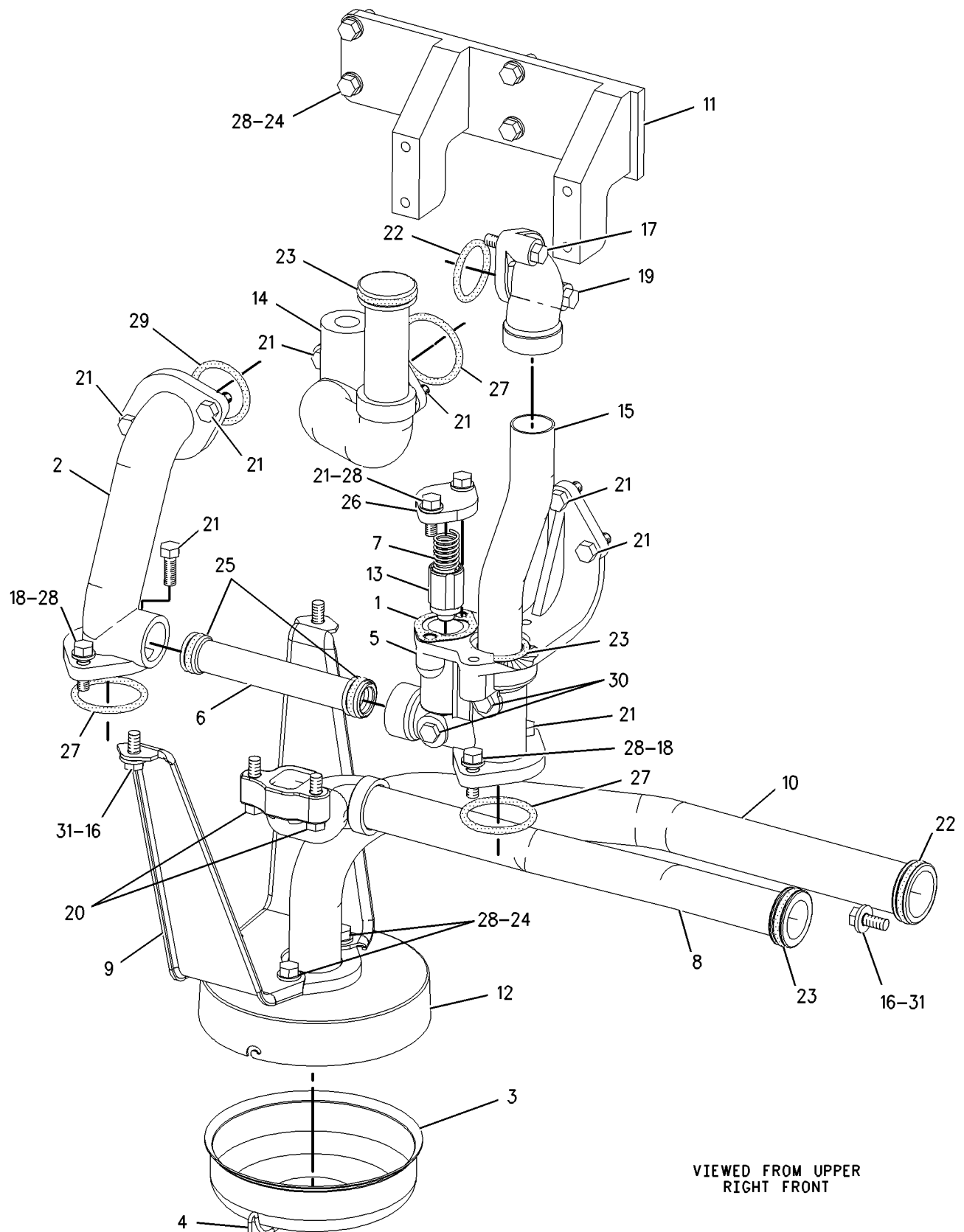
i01287815

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2P-3760	1	GASKET						
	2	1	4N-0826	1	ELBOW-COOLER INLET						
	3	1	4N-0913	1	SCREEN AS-BELL						
	4	1	4N-0914	1	CLIP (SUCTION SCREEN)						
	5	1	4N-1215	1	BODY-COOLER BYPASS						
	6	1	4N-1216	1	TUBE-COOLER BYPASS						
	7	1	4N-8150	1	SPRING						
	8	1	4P-7373	1	TUBE AS						
	9	1	4P-9131	1	SUPPORT-BELL						
	10	1	7E-4508	1	TUBE AS						
	11	1	7E-7599	1	BRACKET AS						
	12	1	8N-2104	1	BELL AS-SUCTION						
		1	1F-0750	2	NUT-WELD (3/8-16 THD)						
	13	1	1P-1367	1	PLUNGER (OIL COOLER RELIEF VALVE)						
	14	1	138-3102	1	TUBE AS						
	15	1	187-3993	1	TUBE AS						
	16	1	0L-1351	3	BOLT (3/8-16X.875IN)						
	17	1	0S-1571	1	BOLT (3/8-16X1.75IN)						
	18	1	0S-1588	2	BOLT (3/8-16X1.25IN)						
	19	1	0S-1590	1	BOLT (3/8-16X2 IN)						
	20	1	0S-1591	2	BOLT (3/8-16X1.5 IN)						
	21	1	0S-1594	10	BOLT (3/8-16X1 IN)						
	22	1	109-0072	2	SEAL-O-RING (40.64MM ID)						
	23	1	109-0078	3	SEAL-O-RING (33.47MM ID)						
	24	1	1A-2029	6	BOLT (3/8-16X1.125IN)						
	25	1	2N-3350	2	SEAL-O-RING (21.59MM ID)						
	26	1	2P-3761	1	COVER						
	27	1	3P-0650	3	SEAL-O-RING (50.16MM ID)						
	28	1	5M-2894	10	WASHER (2.5MM THK)						
	29	1	8C-5230	1	SEAL-O-RING (43.82MM ID)						
	30	1	8T-6765	2	PLUG-PIPE (1/4-18 NPTF THD)						
	31	1	9X-6458	3	WASHER-HARD (3MM THK)						

LUBRICATION SYSTEM

175-3862 LINES GP-ENGINE OIL (contd.)

i01287815



VIEWED FROM UPPER
RIGHT FRONT

GRAPHIC #1

g00684714

LUBRICATION SYSTEM

138-2770 LINES GP-TURBOCHARGER OIL

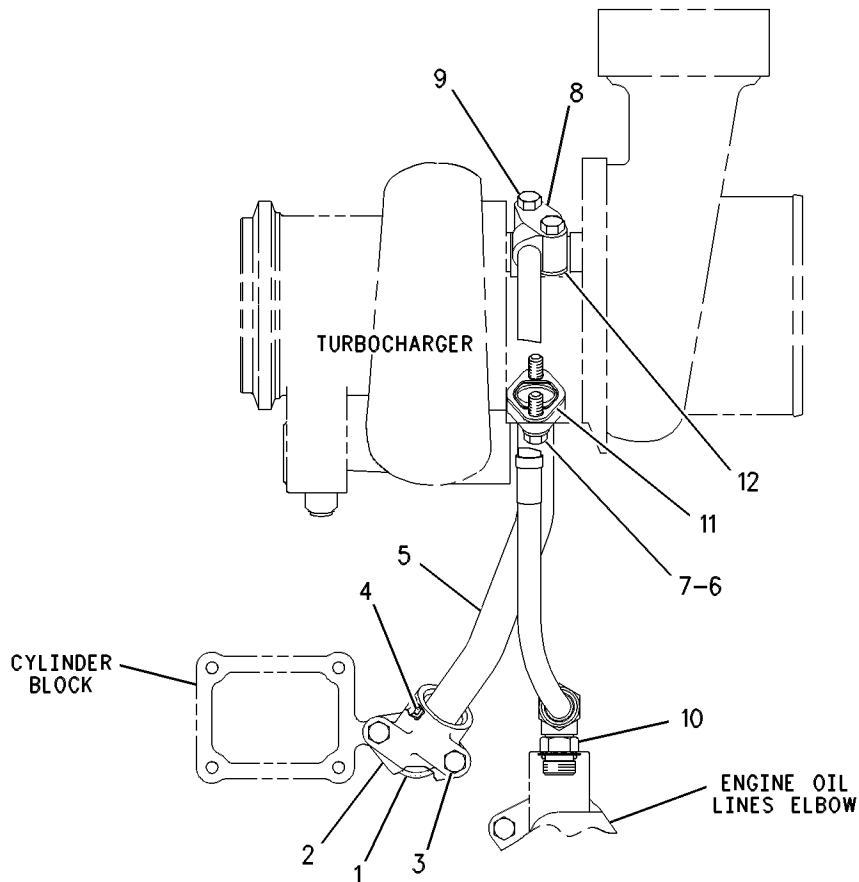
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMPLETE
AN ATTACHMENT

SMCS-1052, 1307

i00983462

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-5266	1	SEAL-O-RING (36.09MM ID)						
	2	1	106-3544	1	ELBOW						
	3	1	0L-2070	2	BOLT (3/8-16X2.25IN)						
	4	1	114-2687	1	SEAL-O-RING (23.16MM ID)						
	5	1	152-5269	1	TUBE AS-DRAIN						
	6	1	3B-1915	2	BOLT (3/8-16X1.375IN)						
	7	1	5M-2894	2	WASHER (2.5MM THK)						
	8	1	138-2870	1	TUBE AS-SUPPLY						
	9	1	0S-1571	2	BOLT (3/8-16X1.75IN)						
	10	1	137-4057	1	ELBOW AS						
	11	1	126-2702	1	SEAL-INTEGRAL						
	12	1	126-2704	1	SEAL-INTEGRAL						



GRAPHIC #1

g00506596

LUBRICATION SYSTEM

114-5198 OIL CHANGE GP-HIGH SPEED

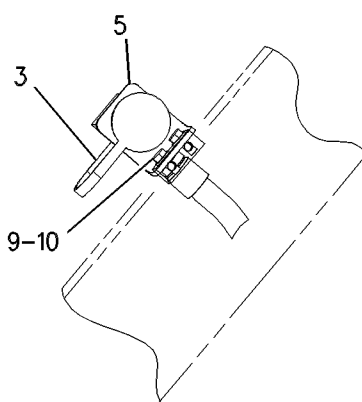
S/N: BPC1-UP
AN ATTACHMENT

SMCS-1325

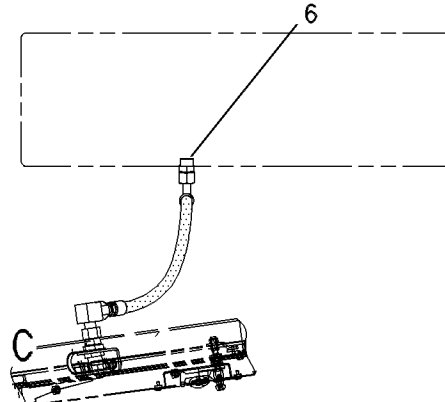
i01220915

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	2V-2043	1	LOCKNUT-FLARED	
	3	1	110-8827	1	RECEIVER AS	
		1	110-8826	1	CAP	
I	4	1	157-4428	1	HOSE AS	
	5	1	169-3295	1	BRACKET	
	6	1	148-8335	2	CONNECTOR AS	
					(EACH INCLUDES)	
		1	5K-9090	1	SEAL-O-RING (23.52MM ID)	
		1	6V-8635	1	CONNECTOR-SEAL	
		1	7M-8485	1	SEAL-O-RING (29.74MM ID)	
	7	1	148-8352	1	ELBOW AS	
		1	5K-9090	1	SEAL-O-RING (23.52MM ID)	
	9	1	8T-4121	2	WASHER-HARD (2.5MM THK)	
M	10	1	8T-4136	2	BOLT (M10X1.50X25MM)	

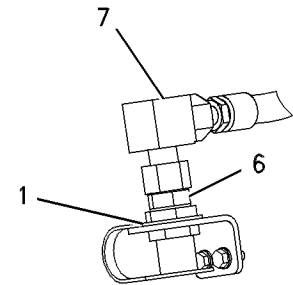
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART



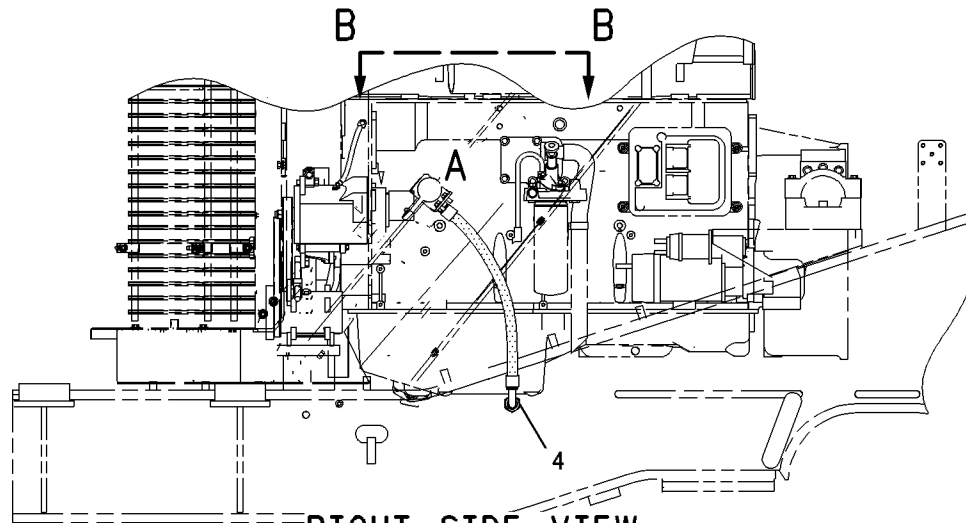
VIEW OF AREA A



VIEW B-B



VIEW OF AREA C



RIGHT SIDE VIEW

GRAPHIC #1

g00653075

LUBRICATION SYSTEM

161-4113 PUMP GP-ENGINE OIL

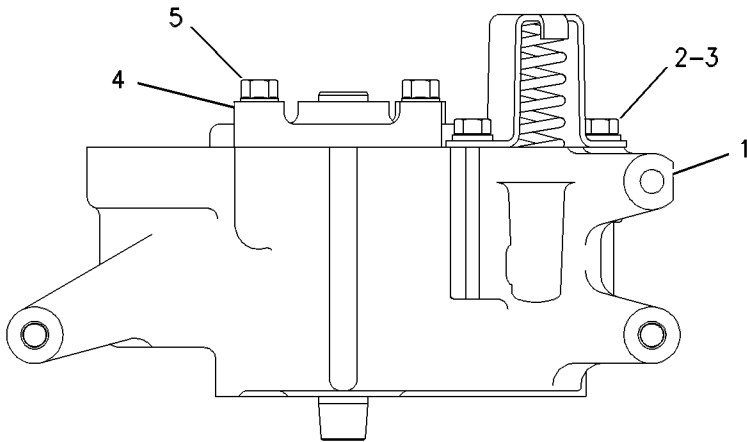
S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

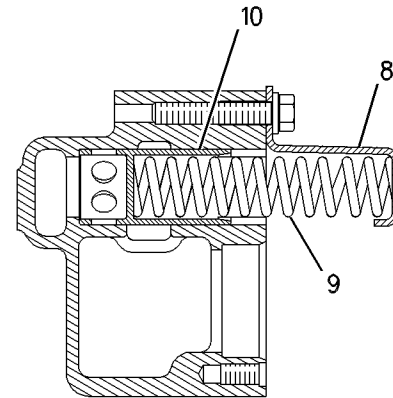
SMCS-1304, 1315

i01037805

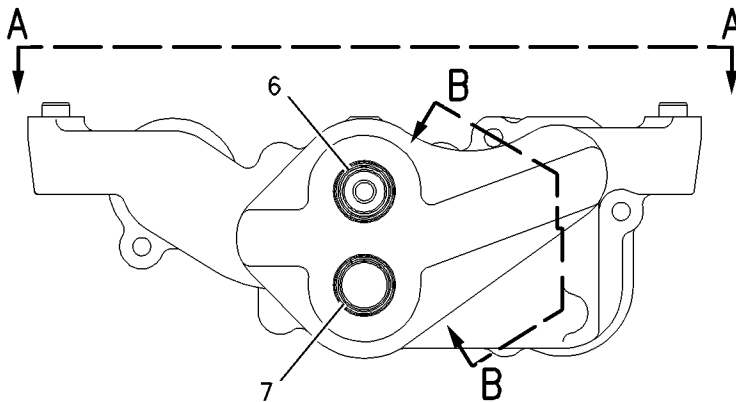
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4N-0513	1	BODY AS-OIL PUMP						
		1	7N-2156	2	BEARING-SLEEVE (27.013MM OD)						
		1	8M-8489	2	DOWEL (12.54MM DIA)						
	2	1	1M-0644	2	BOLT (3/8-16X2-1/4 IN)						
	3	1	5M-2894	2	WASHER (2.5MM THK)						
	4	1	127-6356	1	COVER AS-PUMP						
		1	8S-6511	2	BEARING-SLEEVE (.8775IN ID)						
	5	1	2P-3205	4	BOLT-WASHER HEAD						
	6	1	1W-7238	1	SHAFT AS-PUMP DRIVE						
	7	1	1W-7239	1	SHAFT AS-IDLER						
	8	1	9Y-1792	1	RETAINER						
	9	1	2S-2760	1	SPRING						
	10	1	6N-1931	1	PLUNGER-RELIEF						



VIEW A-A



SECTION B-B



GRAPHIC #1

g00544956

MEMORANDA

COOLING SYSTEM

114-5175 FAN GP-SUCTION

S/N: BPC1-UP

PART OF 160-4327 FAN GP-SUCTION

SMCS-1356

i01470847

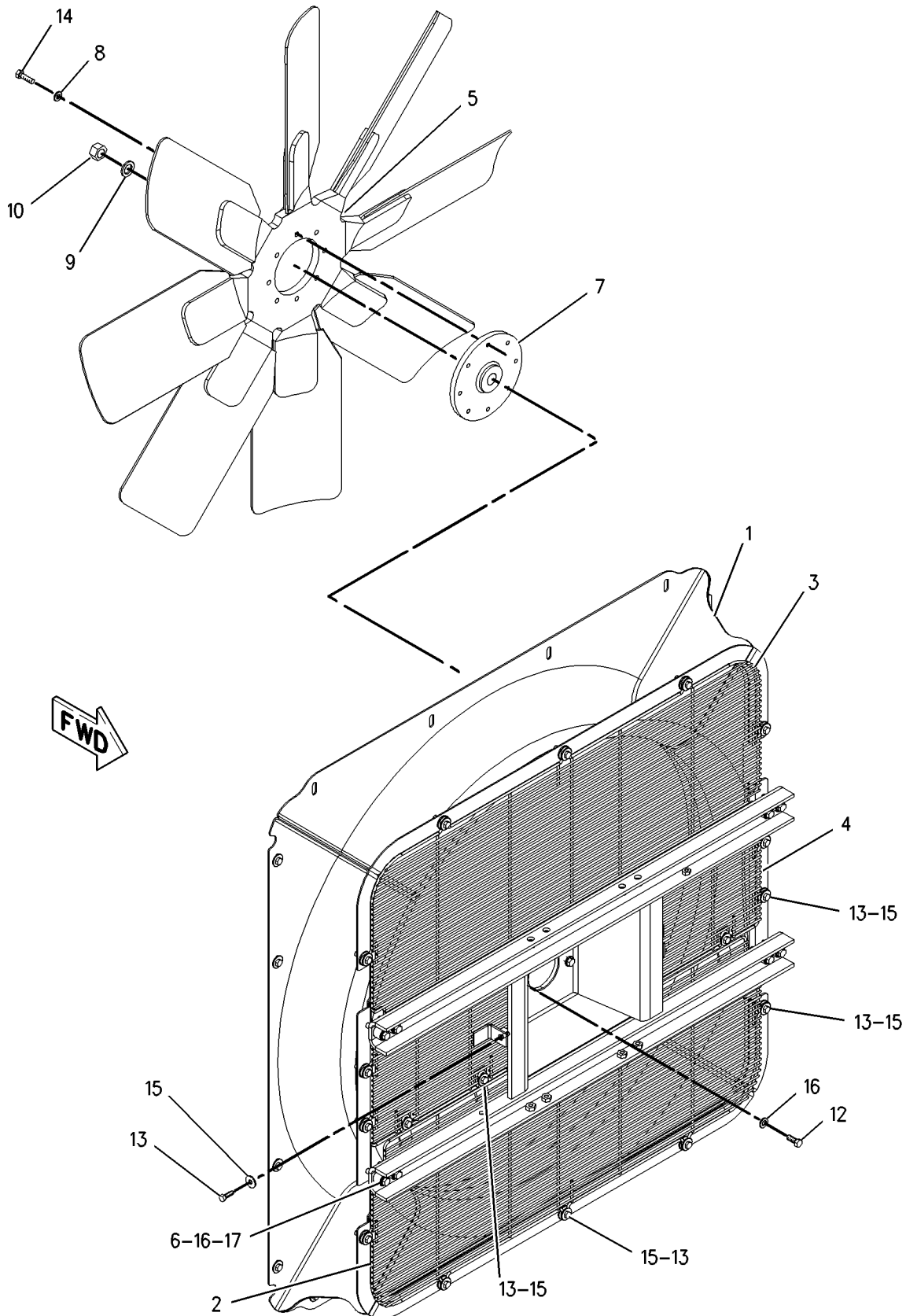
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	131-7812	1	SHROUD AS-FAN						
	2	1	140-8949	1	SUPPORT AS						
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)						
M		1	8T-3597	8	NUT-WELD (M12X1.75 THD)						
	3	1	140-9859	2	GUARD AS-FAN						
					(EACH INCLUDES)						
M		1	8T-3490	4	NUT-WELD (M10X1.5 THD)						
	4	1	140-9860	2	GUARD AS-FAN						
	5	1	142-0811	1	SPIDER AS-FAN						
	6	1	146-5067	8	SPACER (22.2MM LG X 30MM DIA)						
	7	1	167-1335	1	ADAPTER-FAN						
	8	1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)						
	9	1	8T-4123	1	WASHER-PLATED (22X35X3.5MM THK)						
M	10	1	8T-4131	1	NUT (M20X2.5 THD)						
M	12	1	8T-4139	2	BOLT (M12X1.75X30MM)						
M	13	1	8T-4195	36	BOLT (M10X1.5X30MM)						
M	14	1	8T-4196	8	BOLT (M10X1.5X35MM)						
	15	1	8T-4222	36	WASHER-PLATED (11X32X2.5MM THK)						
	16	1	8T-4223	10	WASHER-HARD (13.5X25.5X3MM THK)						
M	17	1	8T-4910	8	BOLT (M12X1.75X60MM)						

M-METRIC PART

COOLING SYSTEM

114-5175 FAN GP-SUCTION (contd.)

i01470847



GRAPHIC #1

g00767205

COOLING SYSTEM

138-2239 FAN GP-SUCTION-AXLE OIL COOLER

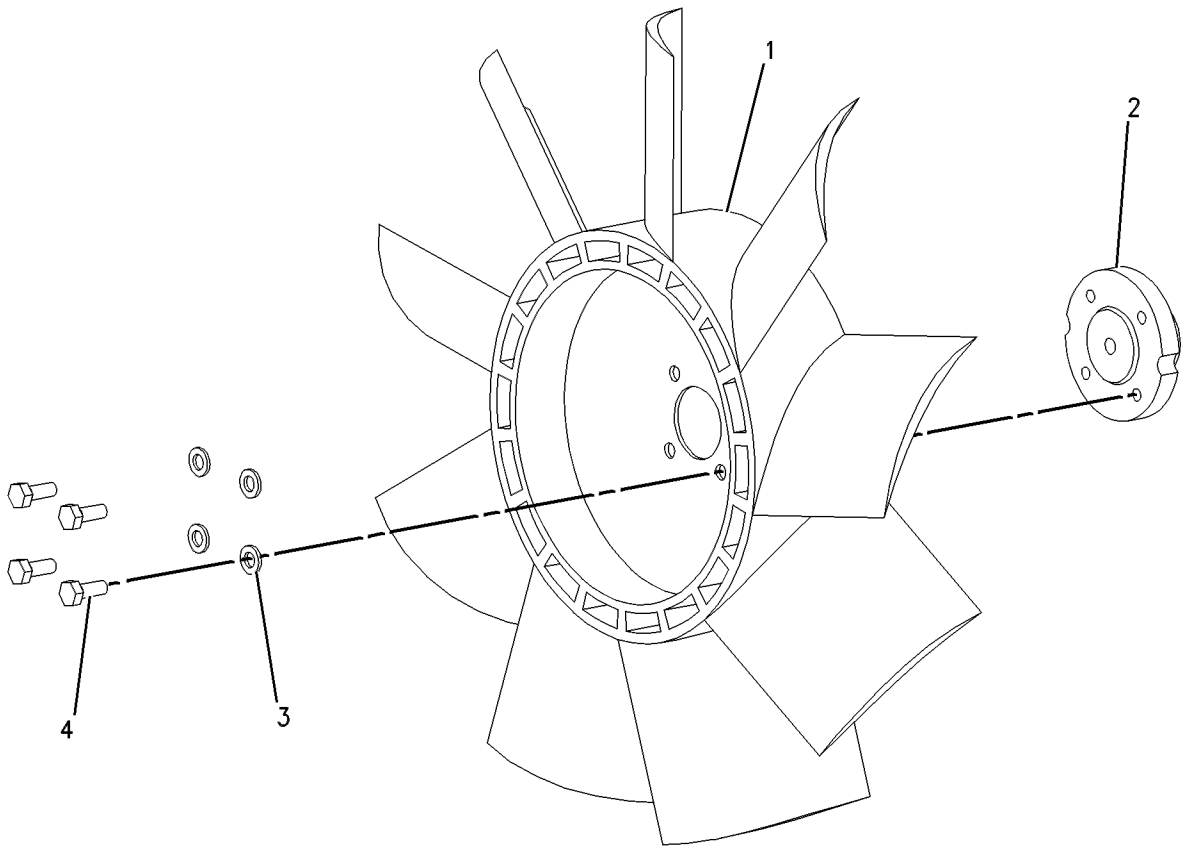
S/N: BPC1-UP

PART OF 150-3157 COOLER GP-AXLE OIL
AN ATTACHMENT

SMCS-1356

i01051999

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	138-2240	1	FAN AS						
	2	1	142-8870	1	ADAPTER						
	3	1	8T-4224	4	WASHER-HARD (2MM THK)						
M	4	1	8T-4189	4	BOLT (M8X1.25X20MM)						
M-METRIC PART											



GRAPHIC #1

g00523770

COOLING SYSTEM

160-4327 FAN GP-SUCTION

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-1356

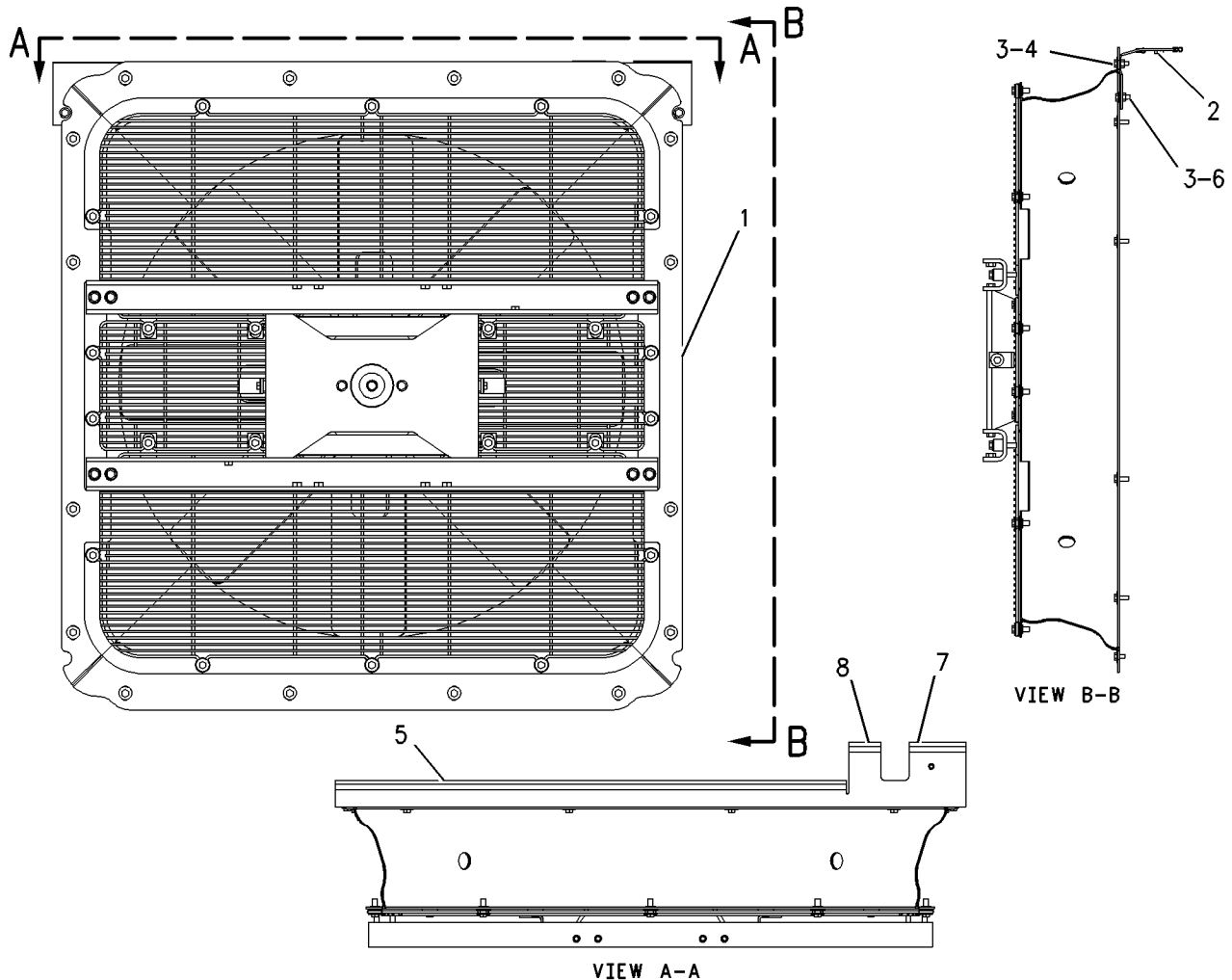
i01423224

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
Y	1	1	114-5175	1	FAN GP-SUCTION	74
	2	1	160-4317	1	BAFFLE AS	
M	3	1	8T-4195	6	BOLT (M10X1.5X30MM)	
	4	1	8T-4222	4	WASHER-PLATED (11X32X2.5MM THK)	
D	5	1	5P-7211		SEAL (1.26M)	
	6	1	7X-7729	2	WASHER (11X25X3MM THK)	
D	7	1	5P-7211		SEAL (.14M)	
D	8	1	5P-7211		SEAL (.079M)	

D-ORDER BY THE METER

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00746352

COOLING SYSTEM

109-2373 FASTENER GP-WATER PUMP

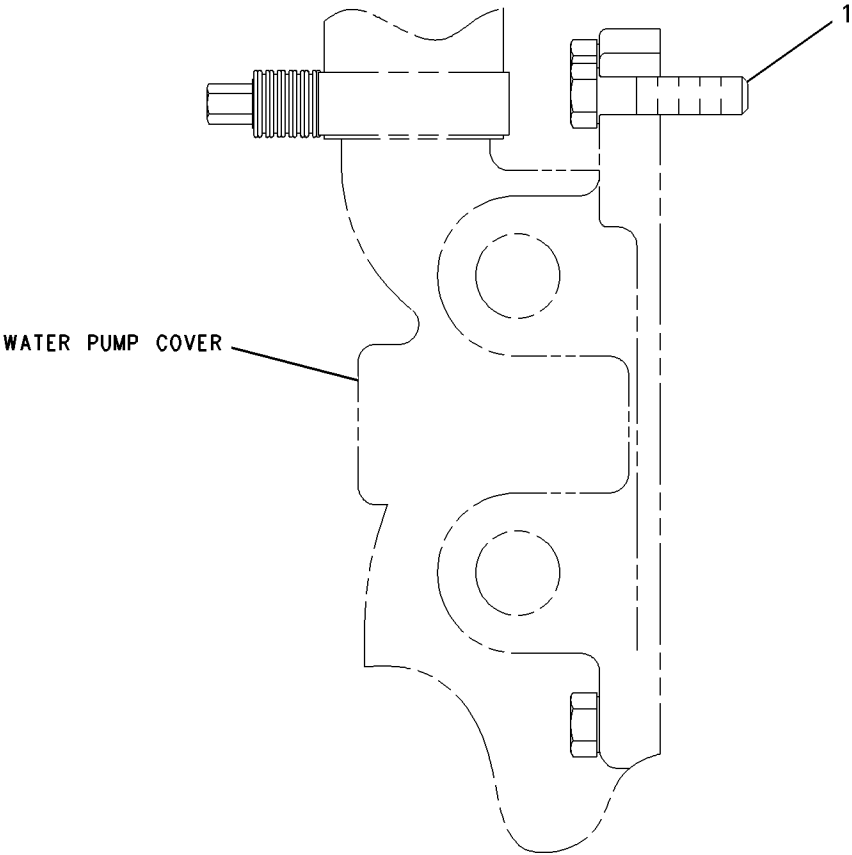
S/N: BNT1-UP

FOR USE WHEN ALTERNATOR MOUNTING BRACKET IS NOT INSTALLED
PART OF 198-6493, 198-6494 ENGINE AR-COMPLETE
CANNOT BE USED WITH RH FRONT OIL GUIDE
AN ATTACHMENT

SMCS-1361

i01606278

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	OS-1591	1	BOLT (3/8-16X1.5 IN)						



RIGHT SIDE VIEW

GRAPHIC #1

g00832155

COOLING SYSTEM

193-8225 LINES GP-VENT

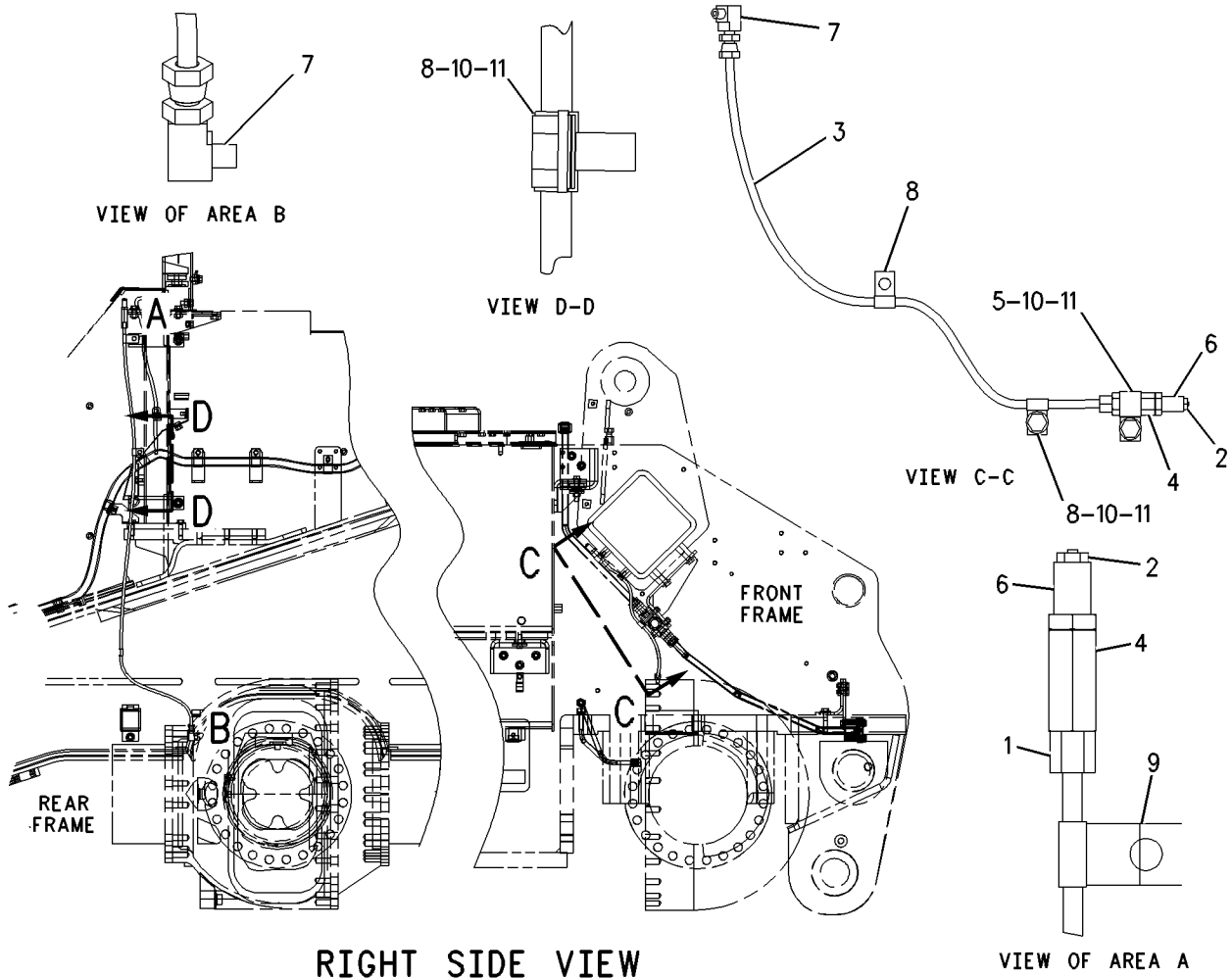
S/N: BPC1-UP

PART OF 139-5896 POWER TRAIN AR

SMCS-1380

i01560955

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2T-2927	1	HOSE AS						
	2	1	8T-0336	2	FITTING-RELIEF						
	3	1	139-2480	1	HOSE AS						
	4	1	194-7264	2	BREATHER AS						
	5	1	1S-0994	1	CLIP						
	6	1	3B-6487	2	COUPLING						
	7	1	3B-6552	2	ELBOW						
	8	1	5P-9085	3	CLIP						
	9	1	6V-2383	1	CLIP						
	10	1	8T-4121	3	WASHER-HARD (11X21X2.5MM THK)						
M	11	1	8T-4137	3	BOLT (M10X1.5X20MM)						
M-METRIC PART											



GRAPHIC #1

g00811056

COOLING SYSTEM

199-2882 LINES GP-WATER

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMPLETE
AN ATTACHMENT

SMCS-1380

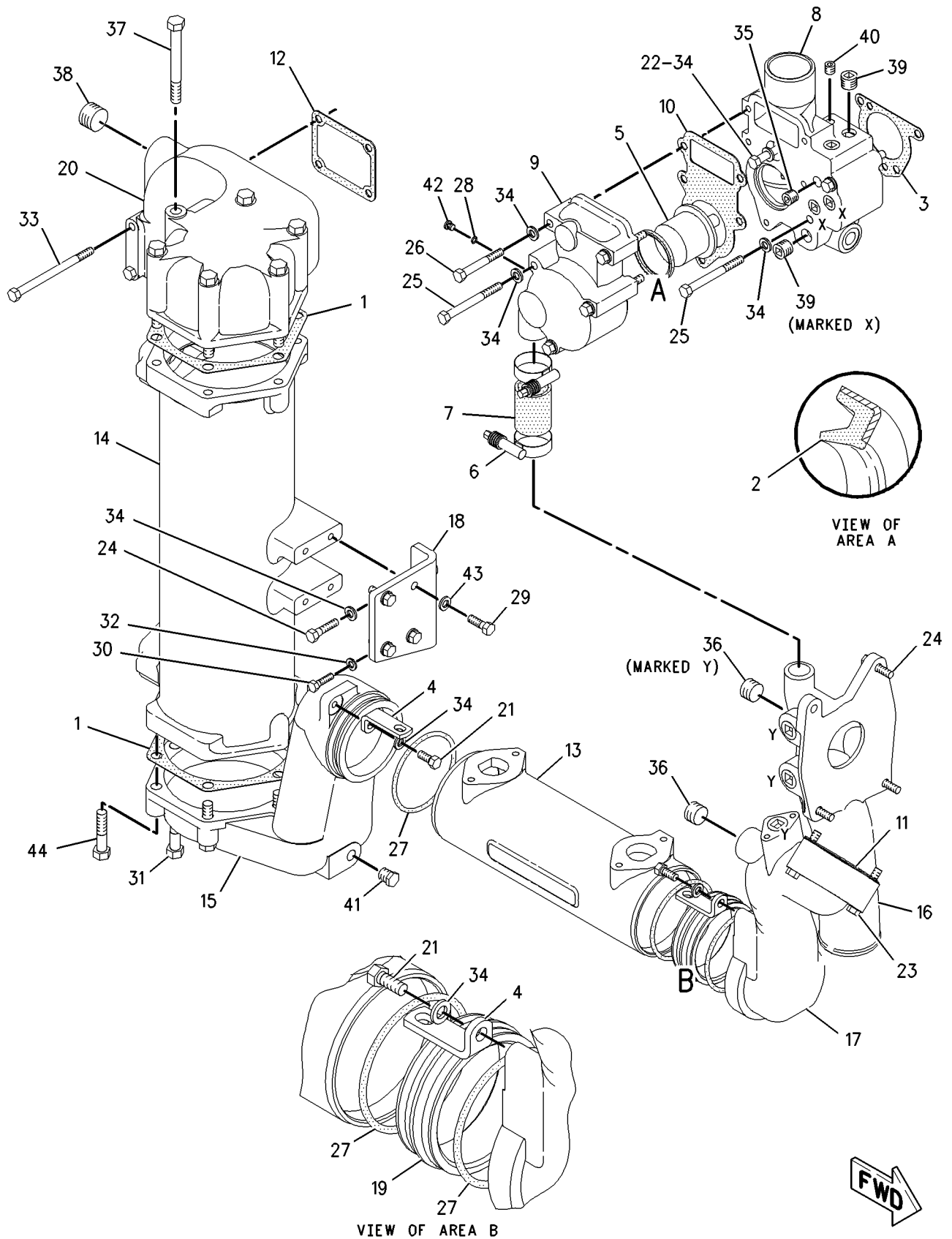
i01620756

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2S-0795	2	GASKET						
	2	1	3S-9643	1	SEAL-LIP						
	3	1	4N-1156	1	GASKET-REGULATOR COVER						
	4	1	4N-1199	2	CLIP						
	5	1	4W-4794	1	REGULATOR-WATER TEMPERATURE (92 DEG C.)						
	6	1	8T-4983	2	CLAMP-HOSE						
	7	1	9Y-4104	1	HOSE						
	8	1	104-8583	1	MANIFOLD-HOUSING						
	9	1	104-8584	1	HOUSING-REGULATOR						
	10	1	104-8585	1	GASKET-REGULATOR HOUSING						
	11	1	125-0434	1	SEAL-INTEGRAL						
	12	1	126-4935	1	SEAL-INTEGRAL						
	13	1	133-0125	1	CORE AS-ENGINE OIL COOLER						
	14	1	145-9283	1	CORE AS-TRANSMISSION COOLER						
	15	1	147-0192	1	BONNET						
	16	1	161-3565	1	COVER-WATER PUMP						
	17	1	170-4673	1	BONNET-OIL COOLER INLET						
	18	1	187-6236	1	BRACKET AS						
	19	1	187-6237	1	ADAPTER						
	20	1	205-9293	1	BONNET						
	21	1	0L-1351	2	BOLT (3/8-16X0.875 IN)						
	22	1	0L-1352	1	BOLT (3/8-16X3.25 IN)						
	23	1	0L-2070	2	BOLT (3/8-16X2.25 IN)						
	24	1	0S-1591	3	BOLT (3/8-16X1.5 IN)						
	25	1	0S-1608	5	BOLT (3/8-16X3.75 IN)						
	26	1	0T-0573	2	BOLT (3/8-16X2.75 IN)						
	27	1	109-0077	3	SEAL-O-RING						
	28	1	109-0093	1	SEAL-O-RING						
	29	1	1A-2029	4	BOLT (3/8-16X1.125 IN)						
	30	1	1A-9579	1	BOLT (5/16-18X1.5 IN)						
	31	1	1D-4566	4	BOLT (1/2-13X3.5 IN)						
	32	1	3E-4352	1	WASHER-HARD (8.8X20.5X2.5MM THK)						
	33	1	5B-2638	4	BOLT (3/8-16X5.25 IN)						
	34	1	5M-2894	10	WASHER-HARD (10.2X18.5X2.5MM THK)						
	35	1	7W-6534	1	PLUG-PIPE (3/8X1/2)						
	36	1	7X-7731	4	PLUG-PIPE						
	37	1	8S-9089	6	BOLT (1/2-13X4.5 IN)						
	38	1	8T-6761	1	PLUG-PIPE						
	39	1	8T-6762	5	PLUG-PIPE						
	40	1	8T-6763	1	PLUG-PIPE						
	41	1	8T-6767	1	PLUG-PIPE						
	42	1	9S-8001	1	PLUG						
	43	1	9X-6458	4	WASHER-HARD (10.2X22.5X3MM THK)						
	44	1	9X-8873	2	BOLT (1/2-13X2.25 IN)						

COOLING SYSTEM

199-2882 LINES GP-WATER (contd.)

i01620756



GRAPHIC #1

g00841260

COOLING SYSTEM

161-5719 PUMP GP-WATER*R

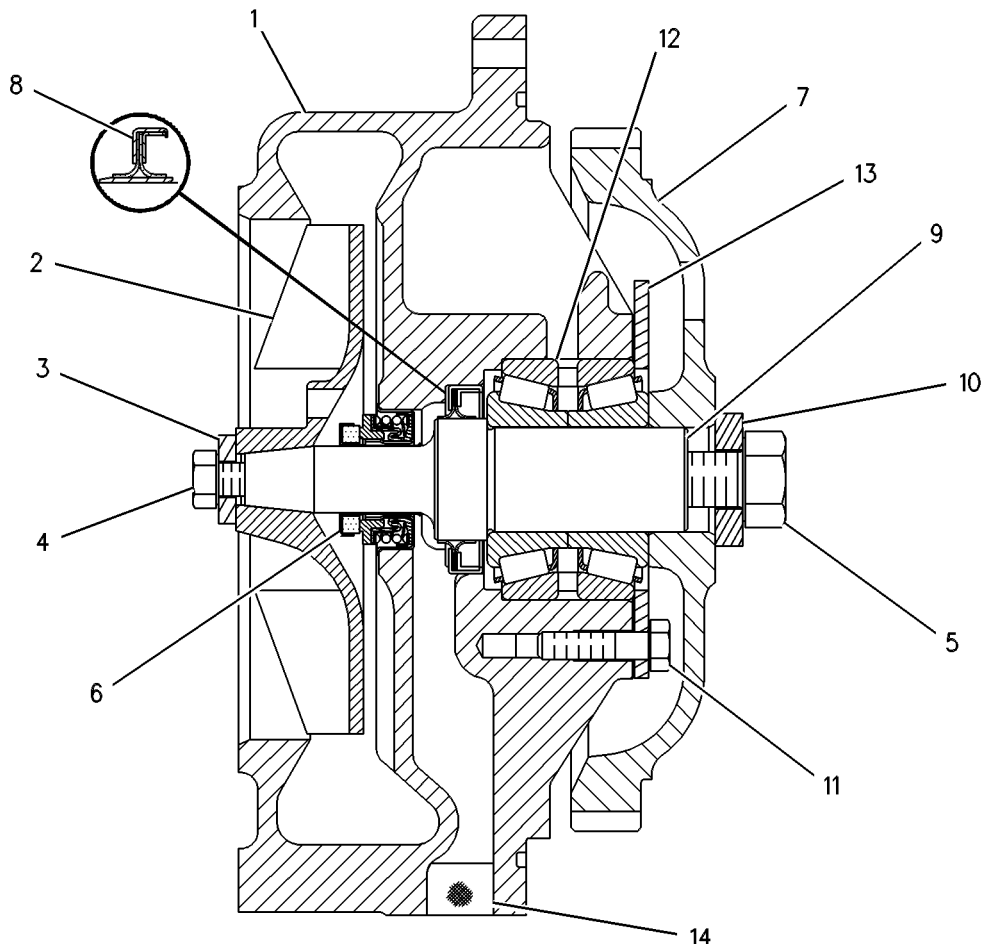
S/N: BNT1-UP

PART OF 174-5986 PUMP GP-WATER
AN ATTACHMENT

SMCS-1361

i01461480

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	161-5718	1	HOUSING-WATER PUMP	
	2	1	129-9907	1	IMPELLER-PUMP	
W	3	1	9M-6527	1	WASHER-HARD (10.2X25.5X5MM THK)	
	4	1	0S-1591	1	BOLT (3/8-16X1.5 IN)	
	5	1	1A-1135	1	BOLT (5/8-11X2 IN)	
W	6	1	128-0317	1	SEAL GP	
	7	1	153-9023	1	GEAR (74 TEETH)	
W	8	1	153-1256	1	SEAL-LIP TYPE	
W	9	1	135-4928	1	SHAFT-WATER PUMP	
W	10	1	5S-0581	1	WASHER-HARD (17X38X8MM THK)	
	11	1	1B-7182	4	BOLT (5/16-18X1.25 IN)	
W	12	1	108-7930	1	BEARING AS-ROLLER	
W	13	1	136-1107	1	RETAINER	
W	14	1	136-3742	1	FILTER-WATER PUMP	
AVAILABLE REPAIR KIT(S) :						
W			138-6744	1	KIT-PUMP REBUILD (WATER)	
W-KIT MARKED W INCLUDES PARTS MARKED W						



GRAPHIC #1

g00263499

COOLING SYSTEM

174-5986 PUMP GP-WATER

S/N: BNT1-UP

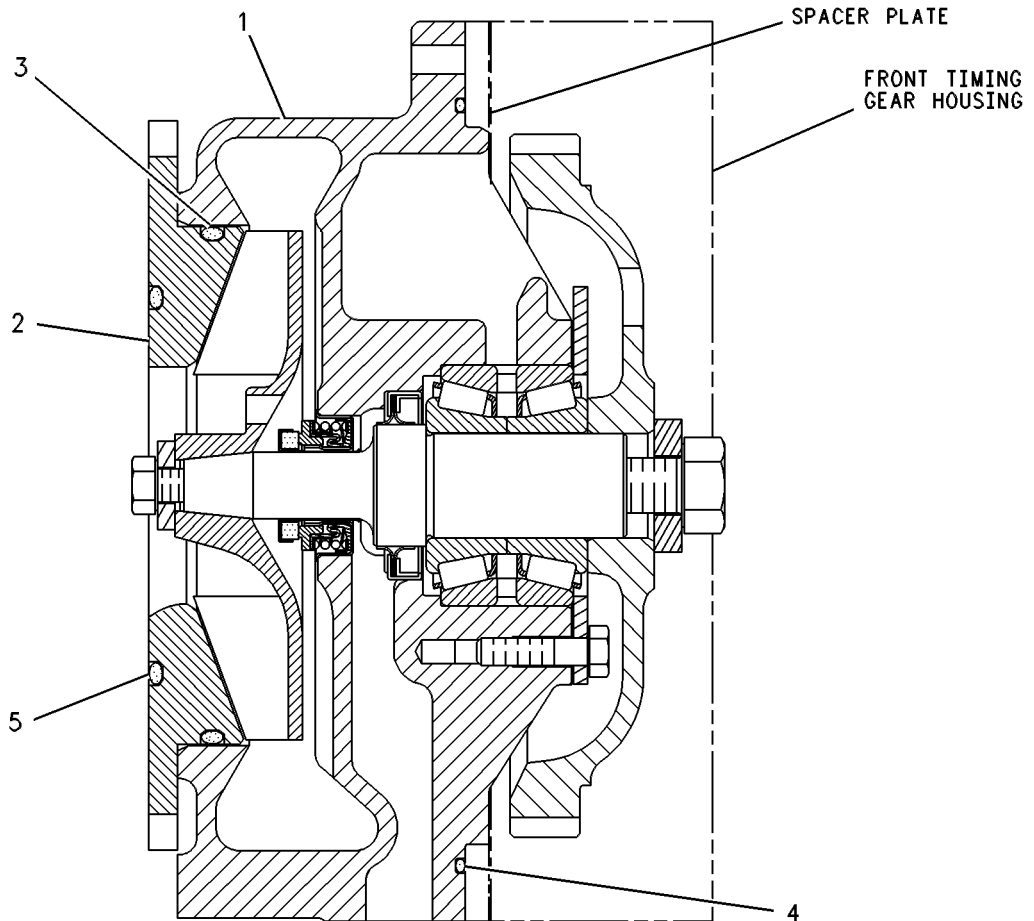
PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1361

i01133688

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
Y	1	1	161-5719	1	PUMP GP-WATER	82
	2	1	4P-2383	1	ADAPTER-INLET	
	3	1	9M-3786	1	SEAL-O-RING (139.06MM ID)	
	4	1	122-3772	1	SEAL-O-RING (215.49MM ID)	
	5	1	109-0077	1	SEAL-O-RING (100.97MM ID)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00263504

COOLING SYSTEM

143-3999 RADIATOR GP

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-1353

i01627852

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	2	1P-4278	20	CLAMP-HOSE	
E	2	2	5P-1265	2	HOSE (76.2MM ID) (17.78CM EACH)	
CI	3	2	204-8042	1	HOSE AS	
	4	1	3S-2093	5	STRAP-CABLE	
E	5	1,2	5P-1262	2	HOSE (17.78CM EACH)	
I	6	1	4E-9271	1	HOSE AS	
	7	2	6I-2431	10	SEAL	
	8	2	6I-2435	10	SPACER	
	9	1	6L-8617	1	CAP-RADIATOR	
	10	2	6S-8620	2	CLAMP-HOSE	
I	11	1	7T-1159	1	HOSE AS	
	12	1	8C-6866	1	CONNECTOR	
	13	2	8C-6871	2	CONNECTOR	
	14	1	8T-4983	4	CLAMP-HOSE	
	15	2	8T-4984	2	CLAMP-HOSE	
C	16	1,2	8T-6675	14	CLAMP-HOSE	
	17	1	9Y-9236	1	BODY AS-GAUGE	
	18	1	061-7208	1	CLAMP-TUBE	
	19	2	106-4572	9	HOSE	
	20	2	112-9486	10	RETAINER	
	21	1	135-6928	1	ANGLE	
	22	2	135-6929	1	ANGLE AS	
M		2	8T-3490	7	NUT-WELD (M10X1.5 THD)	
	23	2	138-7524	1	TUBE AS	
Y	24	2	148-7919	1	VALVE GP-RADIATOR DRAIN	88
	25	1	152-1237	1	TANK AS-RADIATOR BOTTOM	
BE		1	125-6743		SEAL-RUBBER	
I	26	2	152-3832	1	HOSE AS	
	27	2	154-6611	1	TUBE AS	
	28	2	161-0105	1	ANGLE AS	
M		2	8T-3490	3	NUT-WELD (M10X1.5 THD)	
	29	1	161-9903	1	TANK AS-RADIATOR TOP	
	30	1	164-8911	1	HOSE AS	
	31	2	180-9267	1	TUBE AS	
C	32	2	148-8316	3	CONNECTOR GP	
					(EACH INCLUDES)	
		2	6V-8647	1	CONNECTOR	
		2	3J-7354	1	SEAL-O-RING	
		2	4J-5477	1	SEAL-O-RING	
	33	1	150-4029	1	TEE GP	
		1	6V-8780	1	TEE-FACE SEAL	
		1	3J-7354	1	SEAL-O-RING	
		1	4J-5477	2	SEAL-O-RING	
	34	1	152-5877	10	CORE AS-RADIATOR	
	35	1	2S-1647	1	GROMMET	
	36	1	3E-6753	1	GROMMET	
	37	1	122-4026	1	SPACER	
CI	38	2	204-8043	1	HOSE AS	
	39	1	3S-8665	1	CLIP	
	40	1	4D-7388	3	CLIP	
	41	1	4J-5477	1	SEAL-O-RING	
	42	1,2	5P-1076	5	WASHER-HARD (13.5X30X4MM THK)	
	43	1	5P-2228	1	BOLT (1/2-13X1 IN)	
	45	1	6B-6205	1	SPACER (7/8X1-5/16X1-9/32 THK)	
	46	1,2	6D-3479	4	CLIP	
	47	1,2	6V-8398	4	SEAL-O-RING	

COOLING SYSTEM

143-3999 RADIATOR GP (contd.)

i01627852

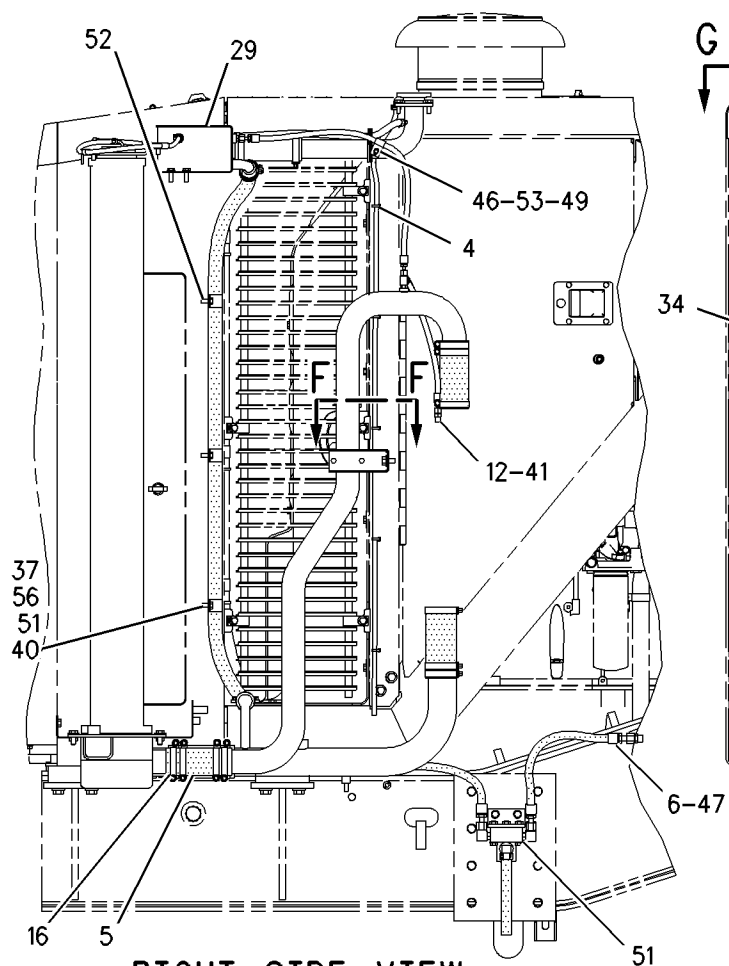
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	48	1	7M-8485	1	SEAL-O-RING	
	49	1,2	7X-7729	30	WASHER (11X25X3MM THK)	
	50	1	8K-1433	1	GROMMET	
	51	1,2	8T-4121	12	WASHER-HARD (11X21X2.5MM THK)	
M	52	1,2	8T-4136	4	BOLT (M10X1.5X25MM)	
M	53	1,2	8T-4137	4	BOLT (M10X1.5X20MM)	
M	54	2	8T-4139	4	BOLT (M12X1.75X30MM)	
M	55	1,2	8T-4195	32	BOLT (M10X1.5X30MM)	
M	56	1	8T-6466	2	BOLT (M10X1.50X60MM)	
E	57	2	5P-1259		HOSE (17.78CM)	
E	58	2	9X-2133		HOSE (47.3CM)	
E	59	1	5P-1251		HOSE (228CM)	
D	60	1	5P-5755		SEAL (1.167M)	
E	61	1	7Y-1976		HOSE-WATER (181CM)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

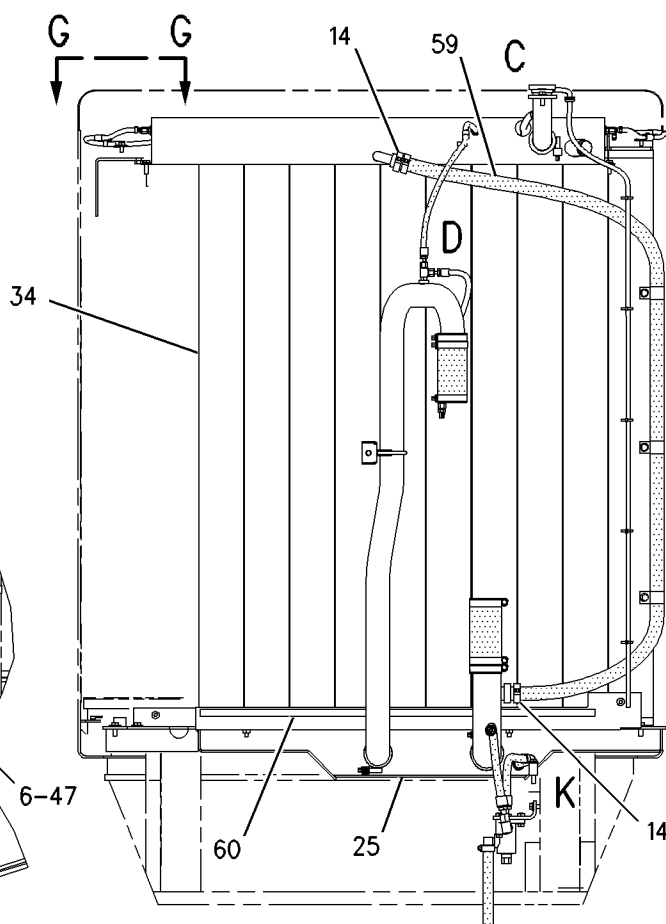
COOLING SYSTEM

143-3999 RADIATOR GP (contd.)

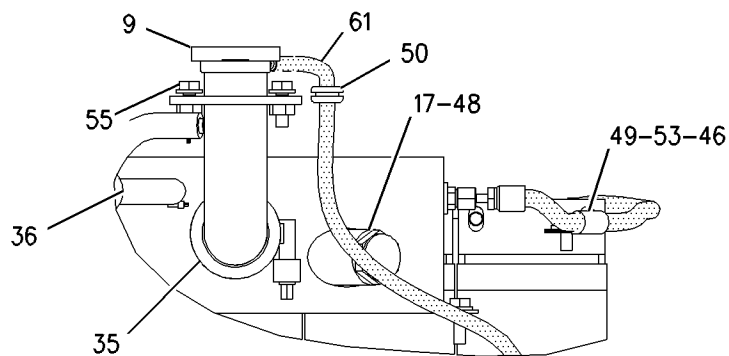
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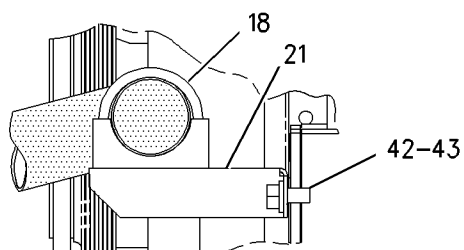
RIGHT SIDE VIEW



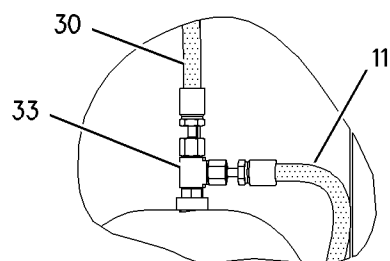
FRONT VIEW



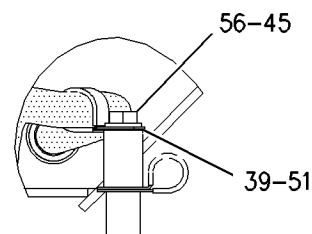
VIEW OF AREA C



SECTION F-F



VIEW OF AREA D



VIEW OF AREA K

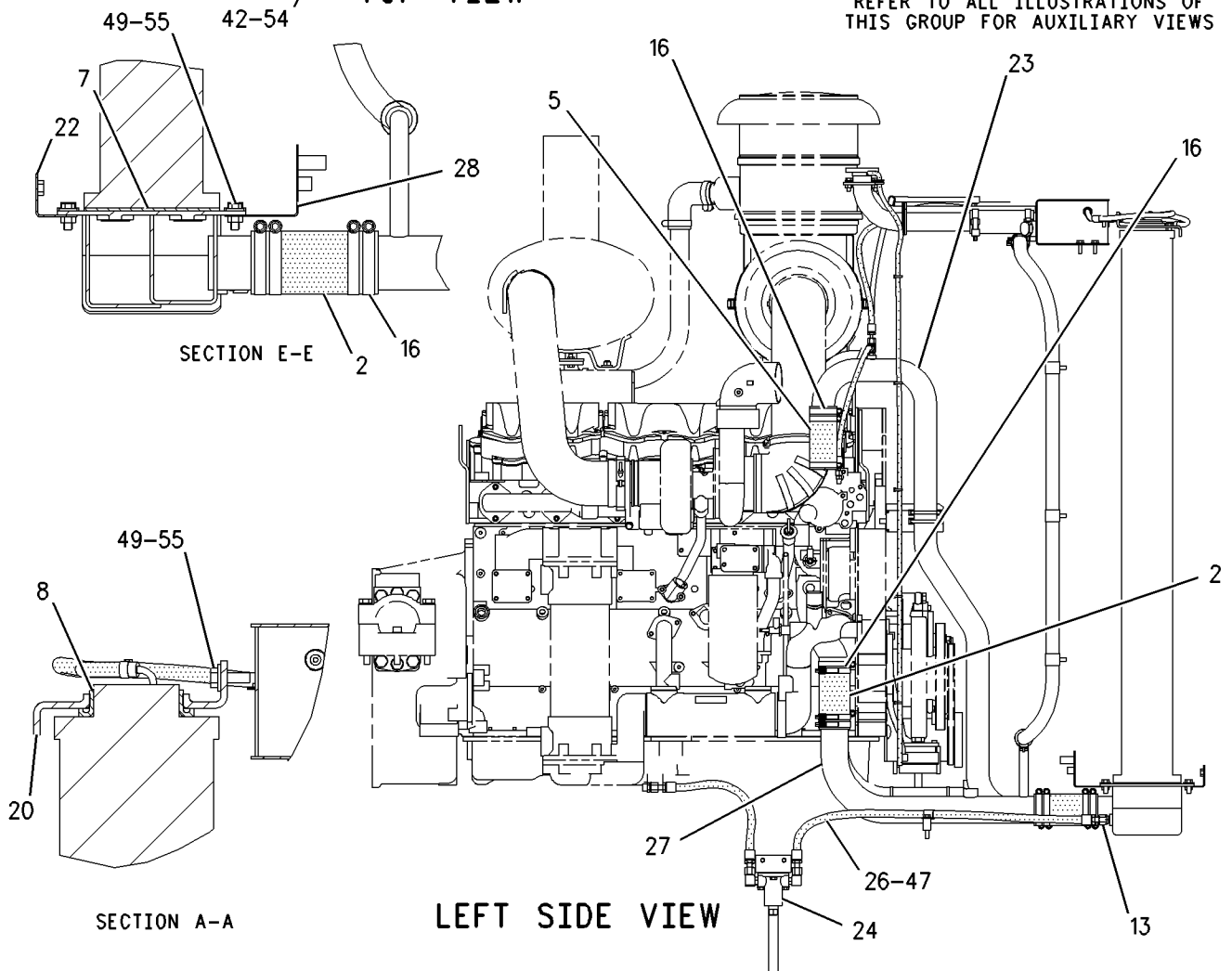
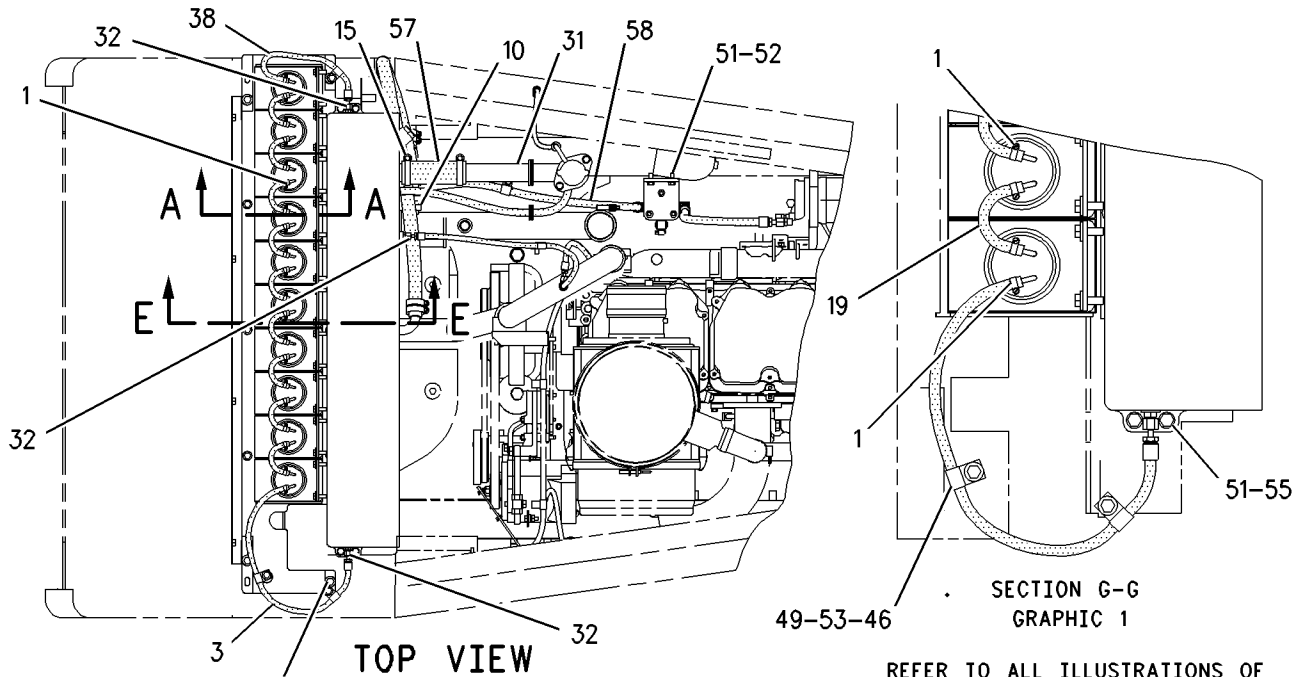
GRAPHIC #1

g00842285

COOLING SYSTEM

143-3999 RADIATOR GP (contd.)

i01627852



GRAPHIC #2

g00843442

COOLING SYSTEM

148-7919 VALVE GP-RADIATOR DRAIN

S/N: BPC1-UP

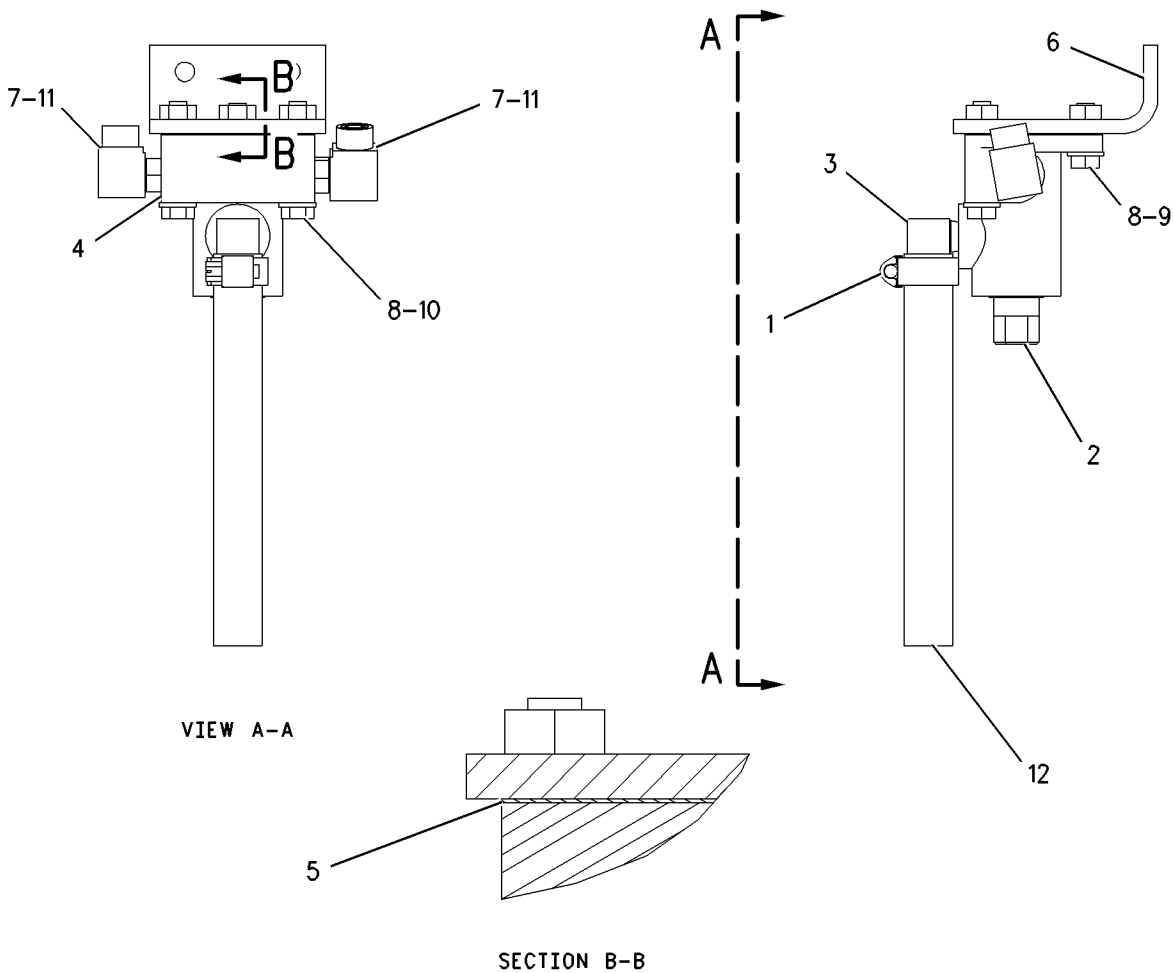
PART OF 143-3999 RADIATOR GP

SMCS-1353

i01267168

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2S-3440	1	CLAMP-HOSE						
	2	1	6N-9590	1	PLUG-DRAIN						
	3	1	6V-0675	1	ELBOW						
	4	1	7E-9171	1	ADAPTER-PLUG						
	5	1	8M-7066	1	GASKET						
	6	1	117-3335	1	BRACKET AS						
	7	1	3J-1907	2	SEAL-O-RING (11.89MM ID)						
	8	1	8T-4121	3	WASHER-HARD (2.5MM THK)						
M	9	1	8T-4195	1	BOLT (M10X1.50X30MM)						
M	10	1	8T-6466	2	BOLT (M10X1.50X60MM)						
	11	1	8T-6876	2	ELBOW-ORFS (9/16-18 THD)						
G	12	1	122-6872		HOSE-HYDRAULIC (9.06 IN)						

G- ORDER BY THE INCH
M- METRIC PART



GRAPHIC #1

g00673298

MEMORANDA

AIR INLET AND EXHAUST SYSTEM

114-5136 AFTERCOOLER GP-AIR

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-1063

i01480037

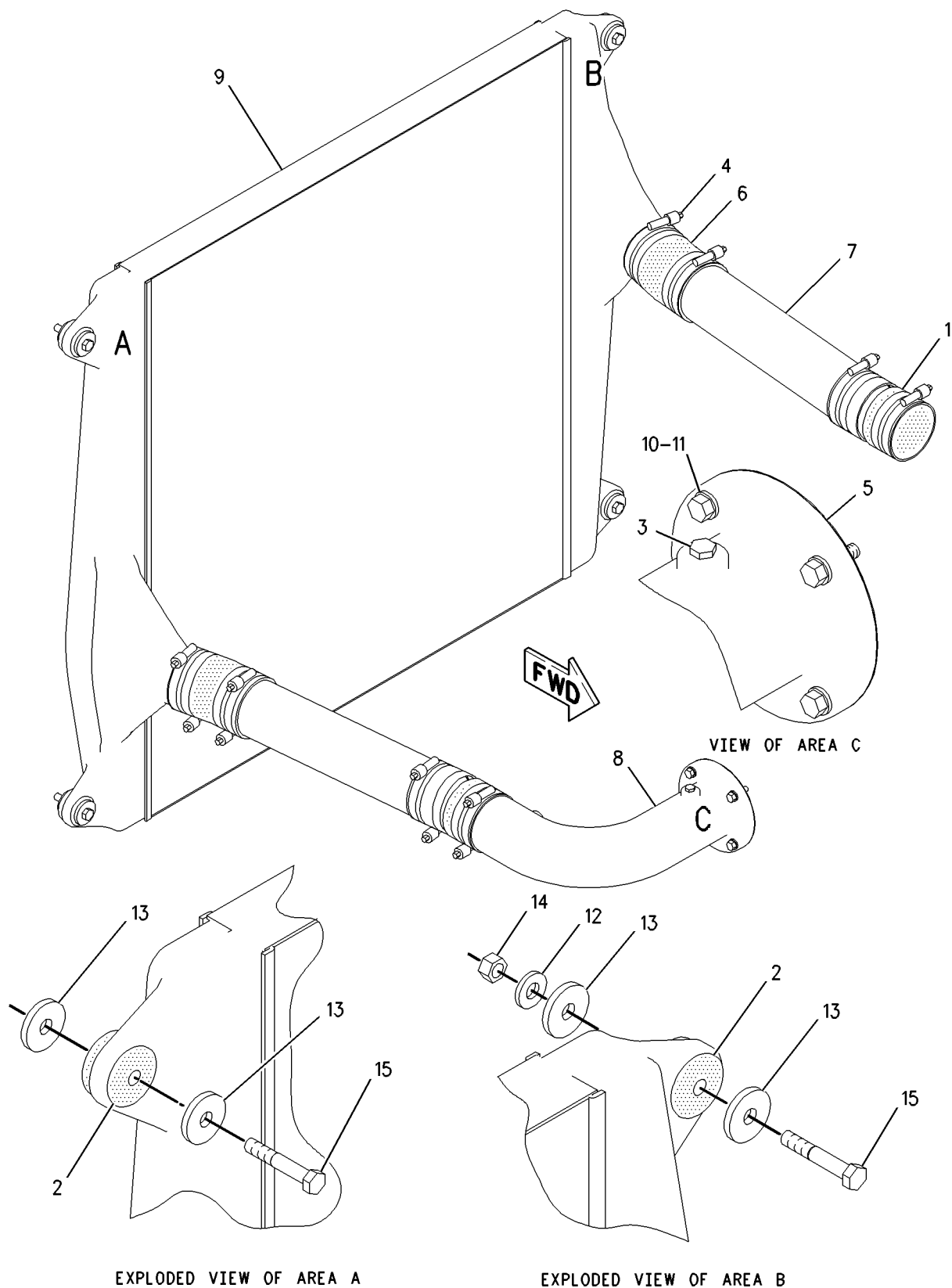
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7E-8630	2	HOSE-HUMP						
	2	1	7T-8331	4	MOUNTING						
	3	1	8T-6765	1	PLUG-PIPE						
	4	1	9X-2201	16	CLAMP-HOSE						
	5	1	101-3125	1	GASKET (AIR INLET MANIFOLD)						
	6	1	147-7109	2	HOSE						
	7	1	167-9196	2	TUBE						
	8	1	185-6334	1	ELBOW-AIR INLET						
	9	1	200-1137	1	CORE AS-AFTERCOOLER						
	10	1	0S-1588	4	BOLT (3/8-16X1.25 IN)						
	11	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
	12	1	5P-1076	2	WASHER-HARD (13.5X30X4MM THK)						
	13	1	7X-0590	8	WASHER-HARD (13.5X44.5X6MM THK)						
M	14	1	8T-4244	2	NUT (M12X1.75 THD)						
M	15	1	8T-4648	4	BOLT (M12X1.75X70MM)						

M-METRIC PART

AIR INLET AND EXHAUST SYSTEM

114-5136 AFTERCOOLER GP-AIR (contd.)

i01480037



EXPLODED VIEW OF AREA A

EXPLODED VIEW OF AREA B

GRAPHIC #1

g00774531

AIR INLET AND EXHAUST SYSTEM

132-6248 AIR CLEANER GP

S/N: BPC1-UP

PART OF 201-4341 INSTALLATION AR-ENGINE

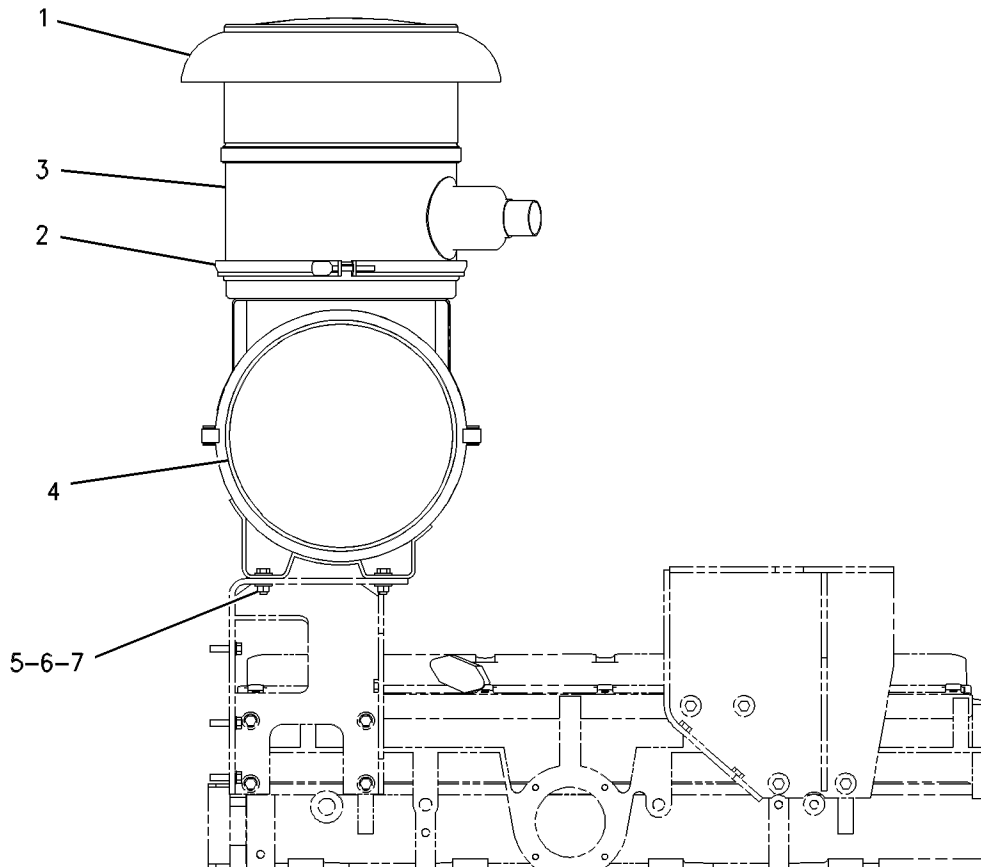
SMCS-1051, 1054

i01182068

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	8S-6823	1	HOOD AS	
	2	1	8S-6824	1	CLAMP AS	
	3	1	100-4995	1	BODY AS-PRECLEANER	
Y	4	1	174-2245	1	AIR CLEANER GP	93
	5	1	7X-7729	8	WASHER (3MM THK)	
M	6	1	8T-4133	4	NUT (M10X1.50 THD)	
M	7	1	8T-4195	4	BOLT (M10X1.50X30MM)	

M-METRIC PART

Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW

GRAPHIC #1

g00505880

AIR INLET AND EXHAUST SYSTEM

174-2245 AIR CLEANER GP

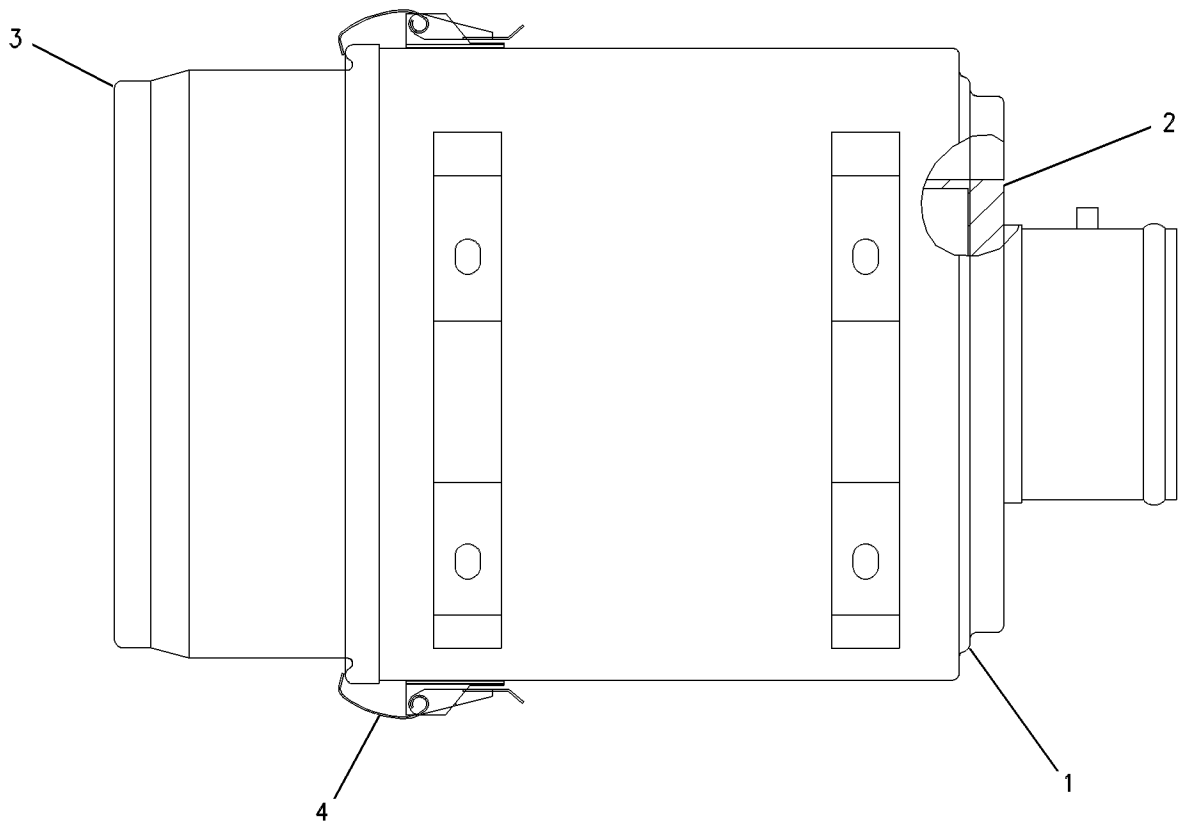
S/N: BPC1-UP

PART OF 132-6248 AIR CLEANER GP

SMCS-1051, 1054

i01182058

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-2509	1	FILTER ELEMENT AS-PRIMARY AIR						
	2	1	6I-2510	1	FILTER ELEMENT AS-SEC AIR						
	3	1	6I-4467	1	COVER AS-AIR CLEANER						
		1	101-2850	1	FILM-AIR CLEANER (RADIAL SEAL)						
	4	1	8N-4617	2	KIT-AIR CLEANER CLAMP						
					(EACH INCLUDES)						
		1	1N-4403	1	CLIP AS						
		1	9B-2596	1	RIVET						



GRAPHIC #1

g00505812

AIR INLET AND EXHAUST SYSTEM

132-6237 DUST EJECTOR GP

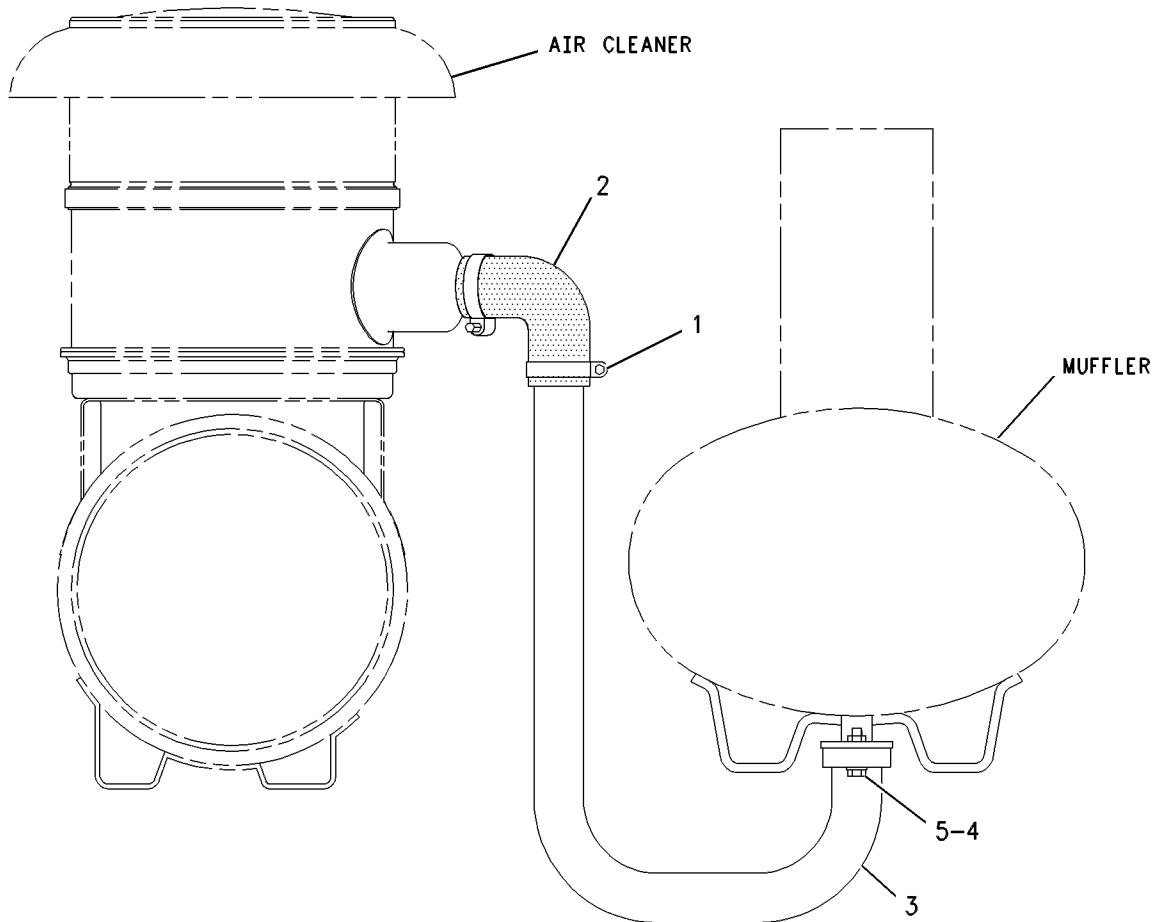
S/N: BPC1-UP

PART OF 201-4341 INSTALLATION AR-ENGINE

SMCS-1068

i00984163

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-0597	2	CLAMP						
	2	1	067-9425	1	HOSE-RADIATOR						
	3	1	137-9442	1	TUBE AS						
	4	1	6V-5839	2	WASHER (2.5MM THK)						
M	5	1	6V-5842	2	BOLT (M10X1.50X40MM)						
M-METRIC PART											



LEFT SIDE VIEW

GRAPHIC #1

g00503333

AIR INLET AND EXHAUST SYSTEM

114-1904 LINES GP-AIR

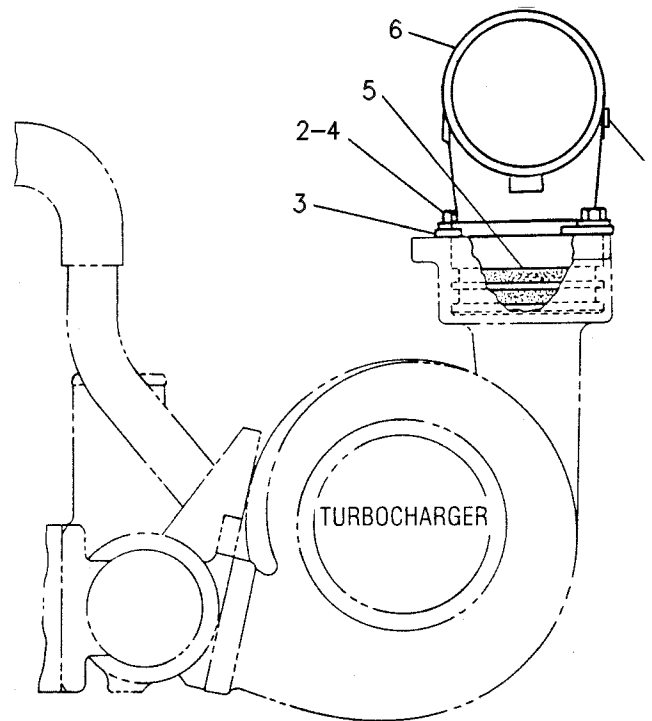
S/N: BNT1-UP

PROVIDES A 90 DEGREE TURBO COMPRESSOR OUTLET ELBOW
PART OF 198-6493, 198-6494 ENGINE AR-COMplete
FOR USE WITH 101.6MM (4 IN) DIAMETER HOSE
AN ATTACHMENT

SMCS-1071

i00703034

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8T-6757	1	PLUG-PIPE (1/8-27 NPTF THD)						
	2	1	5M-2894	2	WASHER (2.5MM THK)						
	3	1	7W-3145	2	PLATE						
	4	1	0S-1594	2	BOLT (3/8-16X1IN)						
	5	1	5H-7704	2	SEAL-O-RING						
	6	1	7C-5665	1	ELBOW-90 DEGREE						



GRAPHIC #1

g00247052

AIR INLET AND EXHAUST SYSTEM

132-6250 LINES GP-AIR

S/N: BPC1-UP

PART OF 201-4341 INSTALLATION AR-ENGINE

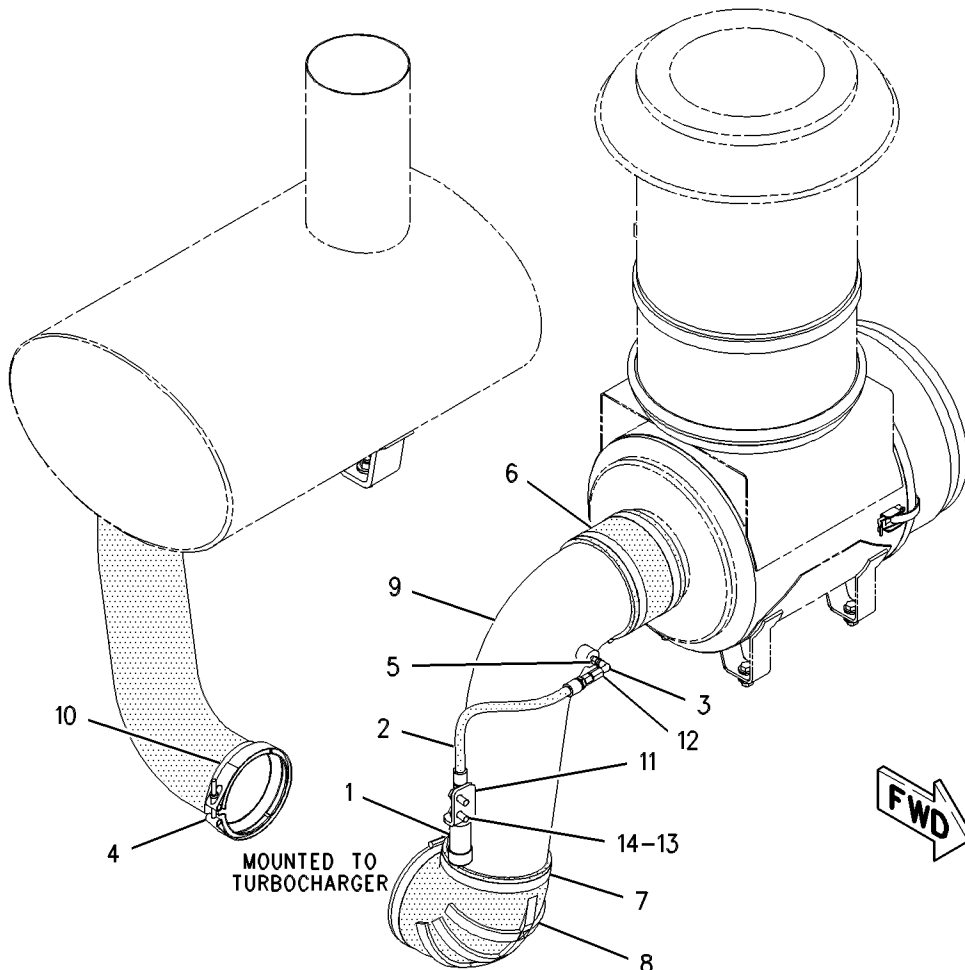
SMCS-1071

i01192732

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
I	1	1	1W-0613	1	INDICATOR-AIR FILTER SERVICE						
	2	1	2W-1374	1	HOSE AS						
	3	1	3B-6552	1	ELBOW (90 DEGREES)						
	4	1	4W-9160	1	CLAMP (V-BAND)						
	5	1	5L-3233	1	FITTING						
	6	1	6N-1097	1	HOSE						
	7	1	8T-4988	4	CLAMP-HOSE						
	8	1	9N-0720	1	ELBOW-RUBBER						
	9	1	137-3601	1	TUBE AS						
	10	1	137-6499	1	PIPE AS						
	1	9N-1940	1	ADAPTER-EXHAUST PIPE							
11	1	166-7057	1	BRACKET AS							
	1	3B-7733	1	NIPPLE-PIPE							
12	1	5D-9231	2	CONNECTOR							
13	1	8T-4121	2	WASHER (2.5MM THK)							
M	14	1	8T-4136	2	BOLT (M10X1.50X25MM)						

I-SEE HOSE FABRICATION GUIDE

M-METRIC PART



GRAPHIC #1

g00638486

AIR INLET AND EXHAUST SYSTEM

191-6147 LINES GP-AIR

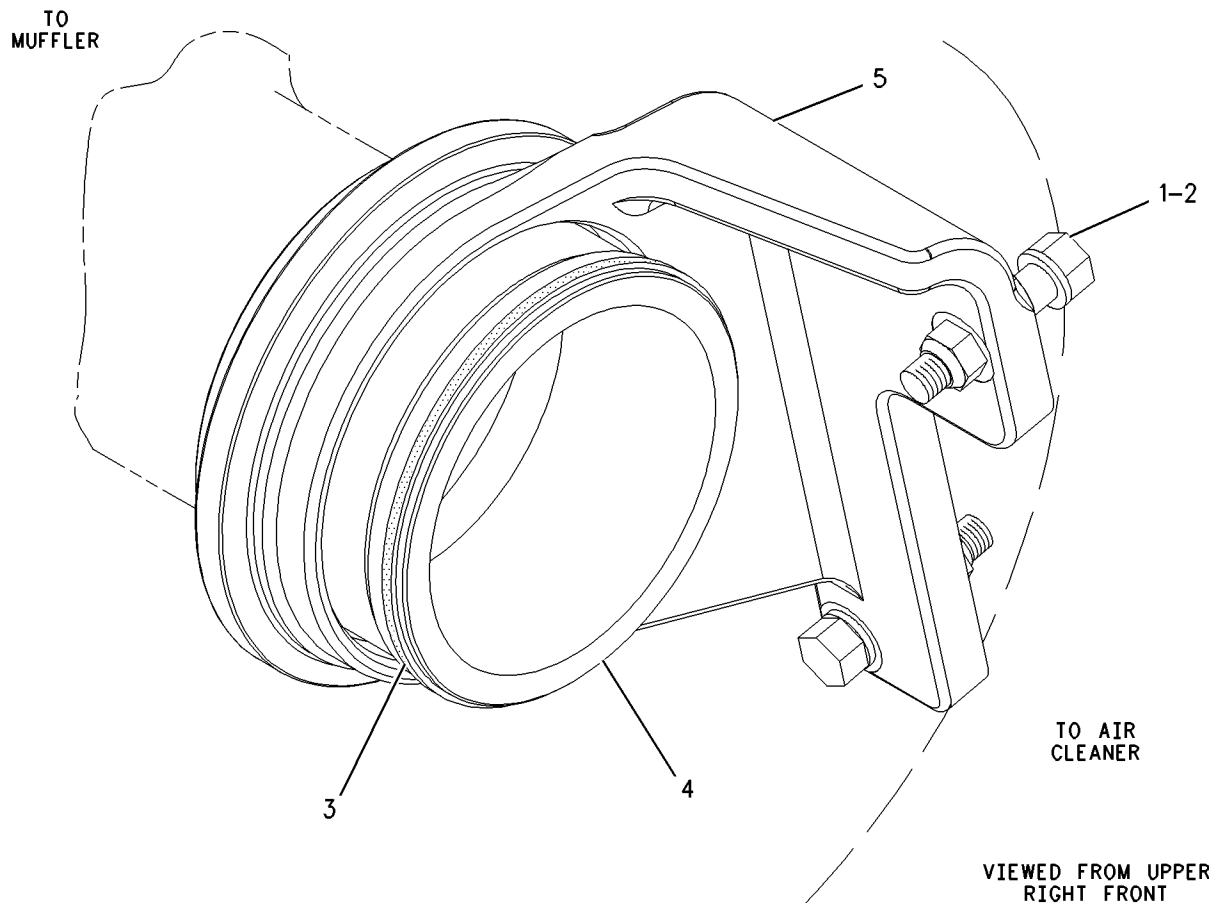
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
FOR USE WITH WASTE GATE TURBO
AN ATTACHMENT

SMCS-1071

i01328274

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2N-2765	2	BOLT-HIGH TEMPERATURE (3/8-16X1.75IN)						
	2	1	2N-2766	2	LOCKNUT (3/8-16 THD)						
	3	1	5L-8854	2	RING-SEALING						
	4	1	9Y-8968	1	COUPLING-EXHAUST						
	5	1	137-5103	1	SUPPORT-EXHAUST PIPE						



GRAPHIC #1

g00703087

AIR INLET AND EXHAUST SYSTEM

135-6552 MANIFOLD GP-EXHAUST

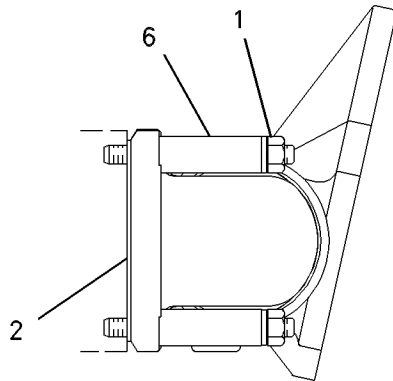
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
FOR USE WITH REAR EXHAUST TURBO
AN ATTACHMENT

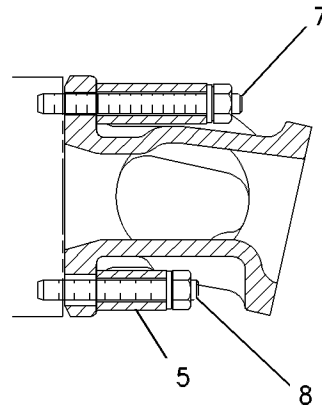
SMCS-1059

i00986070

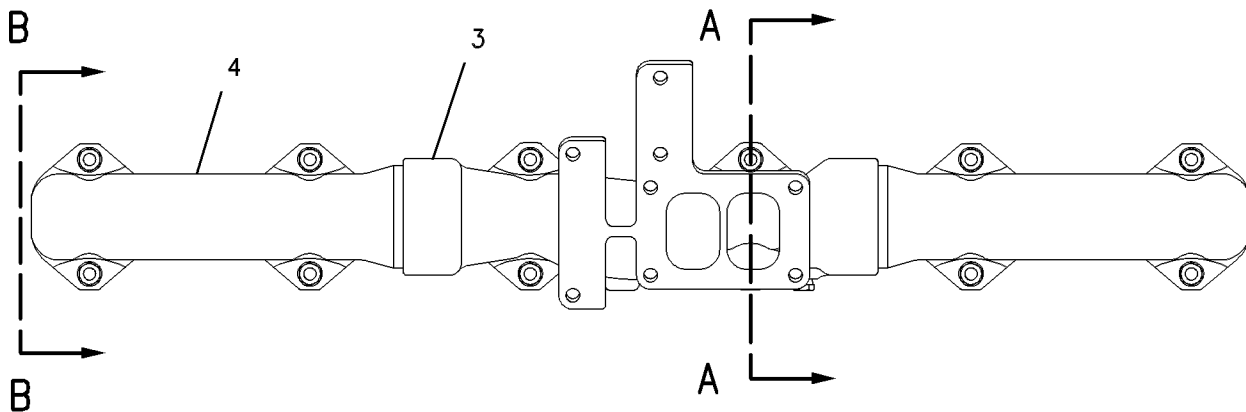
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2N-2766	12	LOCKNUT (3/8-16 THD)						
		1	5M-2894	12	WASHER (2.5MM THK)						
	2	1	129-9452	6	GASKET-EXHAUST MANIFOLD						
	3	1	101-7354	1	MANIFOLD-EXHAUST						
	4	1	102-8608	2	MANIFOLD-EXHAUST						
	5	1	2S-3770	1	SPACER (33.5MM THK)						
	6	1	108-3612	11	SPACER (53MM THK)						
	7	1	106-1792	11	STUD-TAPERLOCK (3/8-16X3.93IN)						
	8	1	4S-6137	1	STUD-TAPERLOCK (3/8-16X3.1IN)						



SECTION B-B



SECTION A-A



GRAPHIC #1

g00509782

MEMORANDA

AIR INLET AND EXHAUST SYSTEM

199-8013 MOUNTING GP-MUFFLER

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMPLETE
AN ATTACHMENT

SMCS-1062

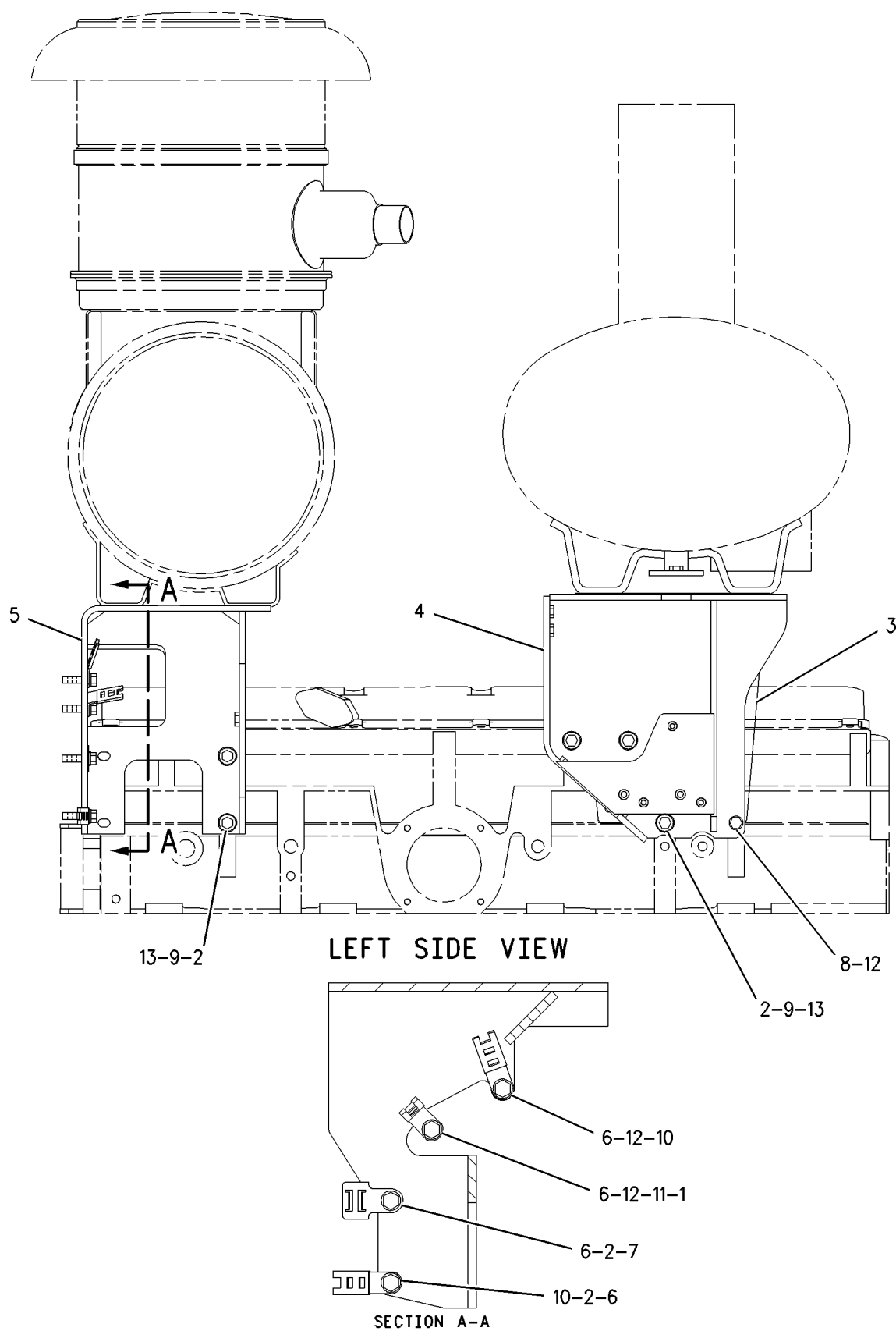
i01515995

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	068-8438	1	SPACER						
	2	1	101-3120	5	SPACER (10.5X25X20MM THK)						
	3	1	162-7175	1	SUPPORT AS						
	4	1	199-6552	1	SUPPORT AS						
		1	1F-0750	4	NUT-WELD (3/8-16 THD)						
		1	4K-9097	5	NUT-WELD (5/16-18 THD)						
5		1	200-7851	1	SUPPORT AS						
		1	1F-0750	1	NUT-WELD (3/8-16 THD)						
6		1	0S-1591	4	BOLT (3/8-16X1.5 IN)						
7		1	130-5300	1	CLIP						
8		1	1A-2029	1	BOLT (3/8-16X1.125 IN)						
9		1	1C-2251	5	BOLT (3/8-16X1.87 IN)						
10		1	4P-7581	2	CLIP						
11		1	4P-8134	1	CLIP						
12		1	5M-2894	5	WASHER-HARD (10.2X18.5X2.5MM THK)						
13		1	8M-9024	5	WASHER-HARD (10.2X22.5X5MM THK)						

AIR INLET AND EXHAUST SYSTEM

199-8013 MOUNTING GP-MUFFLER (contd.)

i01515995



GRAPHIC #1

g00789756

AIR INLET AND EXHAUST SYSTEM

132-6235 MUFFLER GP

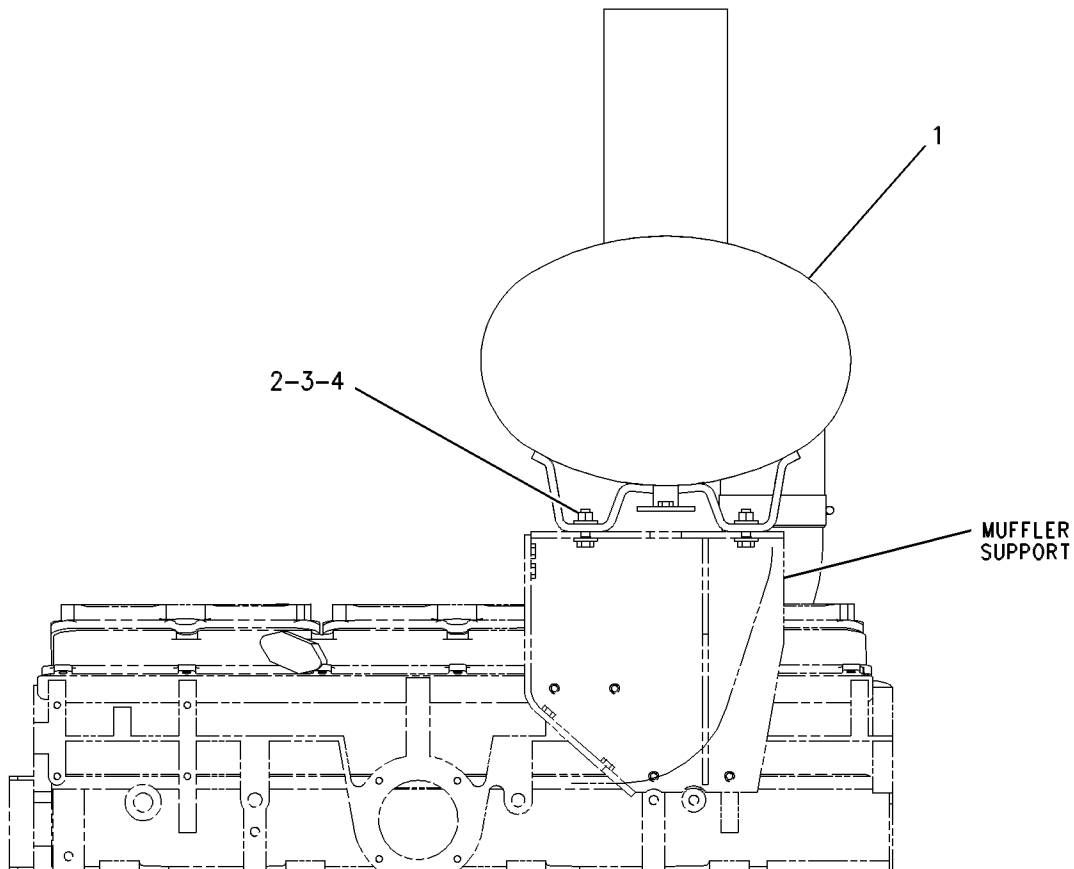
S/N: BPC1-UP

PART OF 201-4341 INSTALLATION AR-ENGINE

SMCS-1062

i00983784

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132-6199	1	MUFFLER AS						
		1	7E-6455	1	CLAMP						
	2	1	5P-1076	8	WASHER-HARD (4MM THK)						
M	3	1	8T-4183	4	BOLT (M12X1.75 THD)						
M	4	1	8T-4244	4	NUT (M12X1.75 THD)						
M-METRIC PART											



LEFT SIDE VIEW

GRAPHIC #1

g00505817

AIR INLET AND EXHAUST SYSTEM

191-1041 SHIELD GP-HEAT

S/N: BNT1-UP

PROTECTS THE SEAL BETWEEN THE VALVE COVER BASE AND THE CYLINDER HEAD

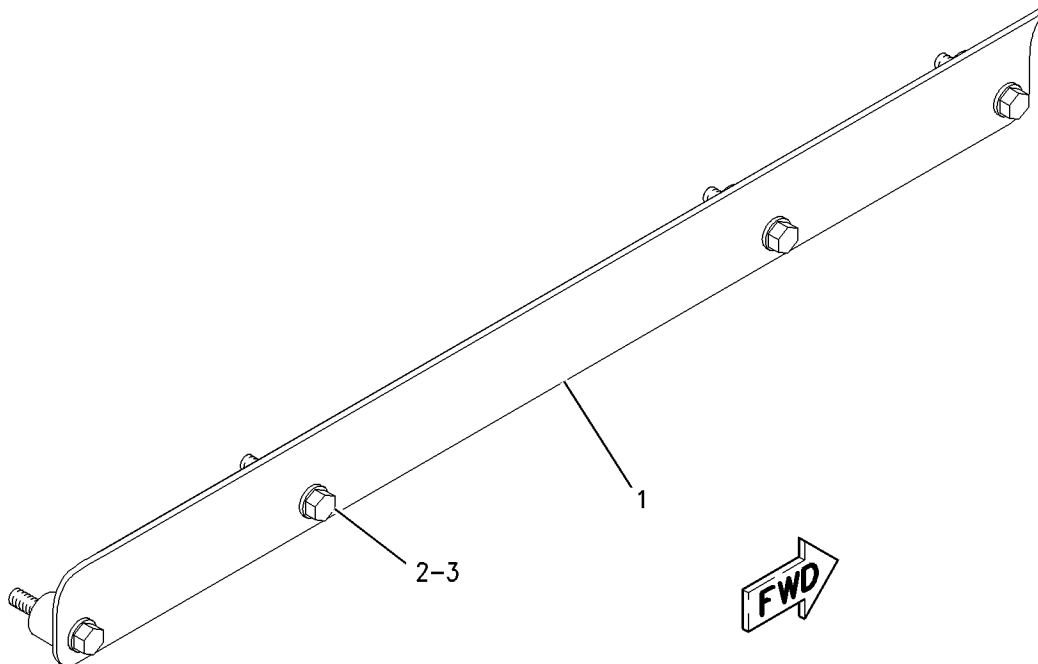
PART OF 198-6493, 198-6494 ENGINE AR-COMplete

AN ATTACHMENT

SMCS-1067

i01395180

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	191-1040	1	SHIELD AS						
	2	1	8T-2501	4	BOLT (3/8-16X2 IN)						
	3	1	8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)						



GRAPHIC #1

g00735360

AIR INLET AND EXHAUST SYSTEM

210-8818 TURBOCHARGER GP

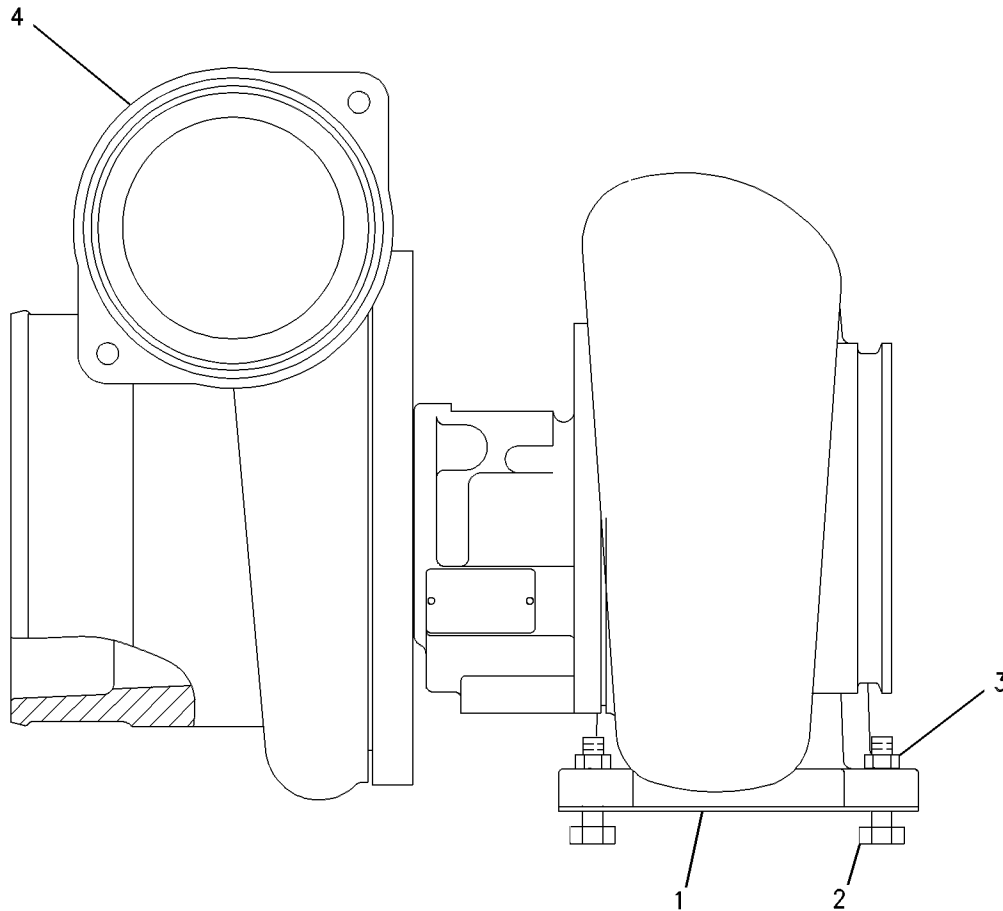
S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1052, 1053

i01611064

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1S-4295	1	GASKET - TURBOCHARGER						
	2	1	2N-2765	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75 IN)						
	3	1	2N-2766	4	LOCKNUT						
Y	4	1	211-2254	1	TURBOCHARGER GP						105
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

g00417819

AIR INLET AND EXHAUST SYSTEM

211-2254 TURBOCHARGER GP

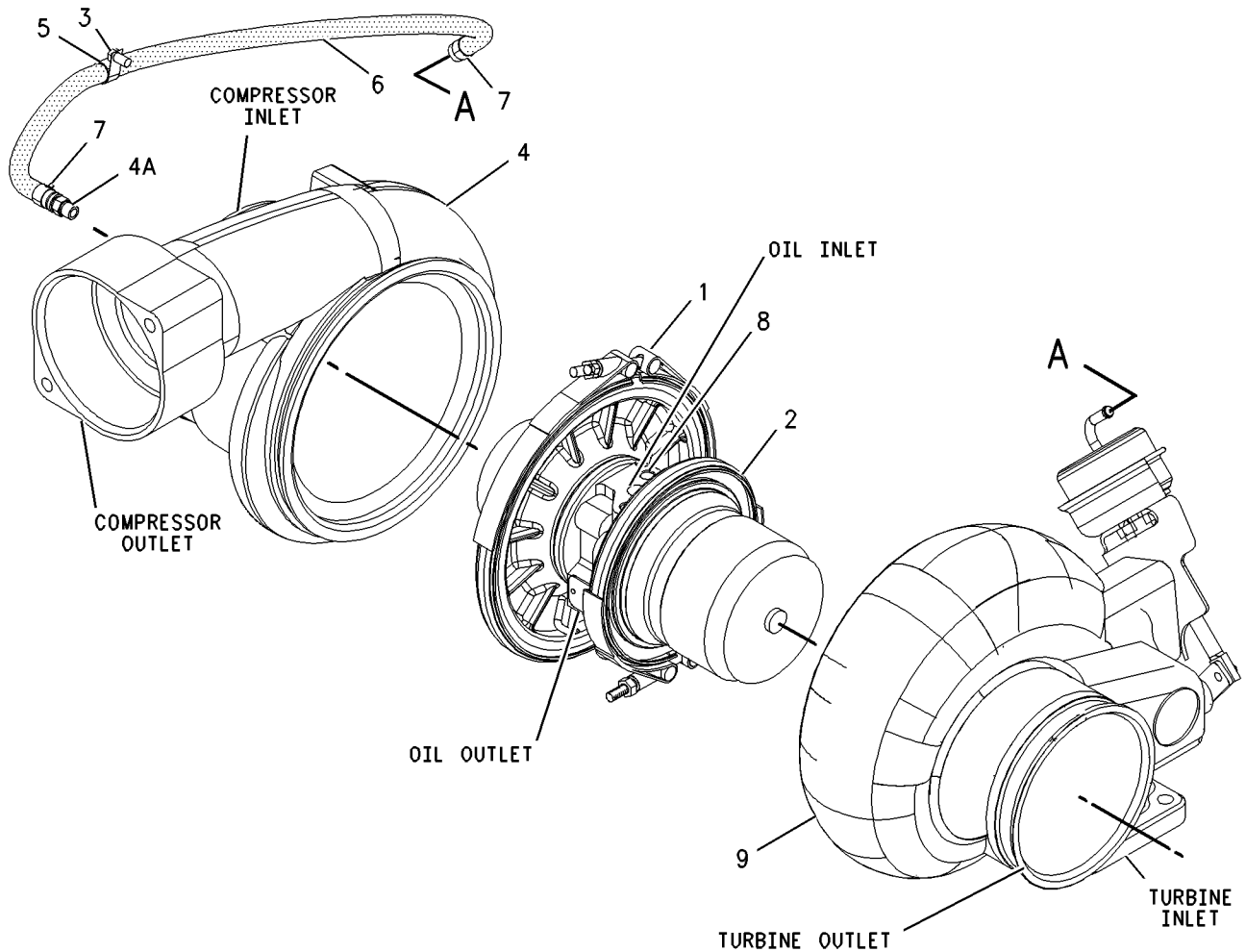
S/N: BNT1-UP

PART OF 210-8818 TURBOCHARGER GP
AN ATTACHMENT

SMCS-1052, 1053

i01611055

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	137-4550	1	CLAMP AS-COMPRESSOR						
	2	1	9N-2038	1	CLAMP AS (TURBINE)						
	3	1	115-7087	1	BOLT						
	4	1	194-7915	1	COVER AS-COMPRESSOR						
	4A	1	2V-4868	1	FITTING (1/8-27 PTF)						
	5	1	161-6958	1	CLIP-HOSE						
	6	1	161-6960	1	HOSE						
	7	1	161-6963	2	CLAMP						
	8	1	211-2255	1	CARTRIDGE GP-TURBOCHARGER						
	9	1	212-0396	1	HOUSING AS-TURBINE						



GRAPHIC #1

g00840338

FUEL SYSTEM

2G-9000 ADAPTER GP-FAST FILL FUEL

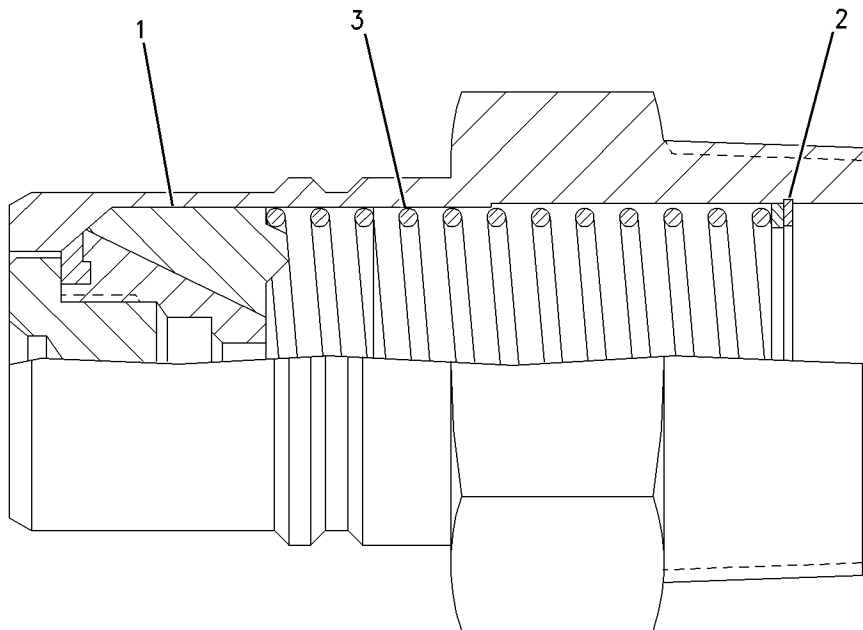
S/N: BPC1-UP

PART OF 139-6114 ADAPTER GP-FAST FILL FUEL
AN ATTACHMENT

SMCS-1710

i01395752

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Z	1	1		1	PLUNGER						
Z	2	1		1	RING-RETAINING						
Z	3	1		1	SPRING						
Z- NOT SERVICED SEPARATELY											



GRAPHIC #1

g00735689

FUEL SYSTEM

139-6114 ADAPTER GP-FAST FILL FUEL

S/N: BPC1-UP

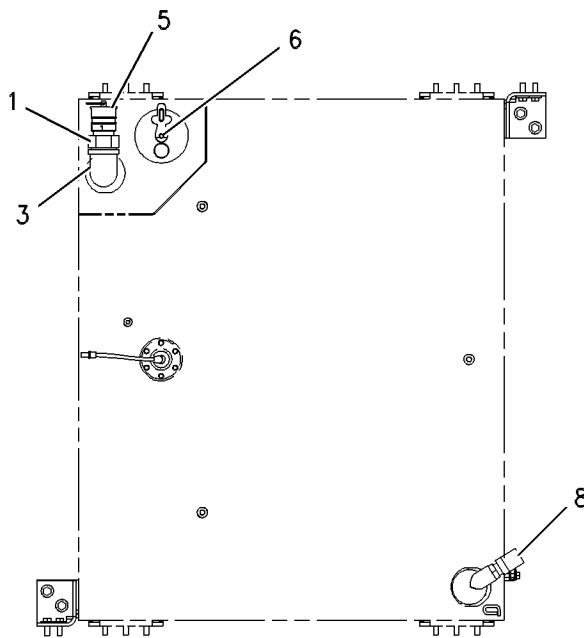
PART OF 139-6113 FUEL AR-FAST FILL, 139-6115 FUEL AR-HEATER & FAST FILL
AN ATTACHMENT

SMCS-1710

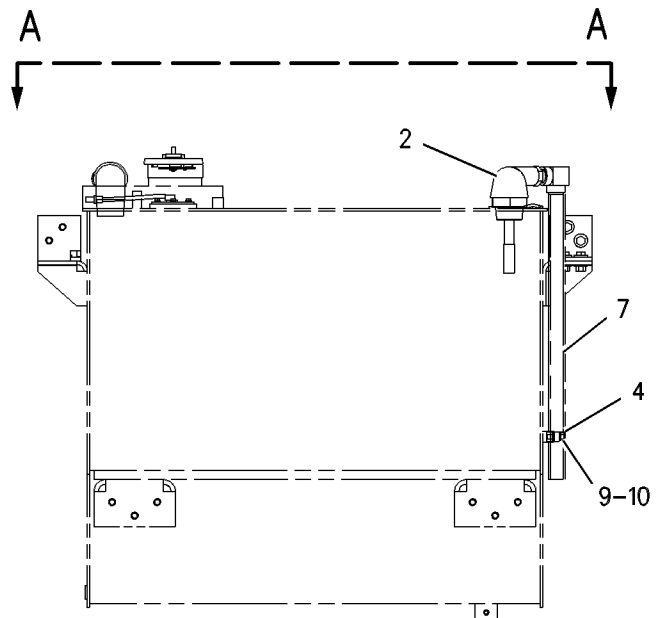
i01027803

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	2G-9000	1	ADAPTER GP-FAST FILL FUEL						106
J	2	1	5V-6106	1	VENT AS						
	3	1	7B-7138	1	ELBOW						
	4	1	8M-4106	1	CLAMP						
	5	1	9D-0630	1	COVER-DUST						
	6	1	101-8909	1	CAP AS-FUEL TANK FILLER						
		1	9X-8600	1	SEAL-O-RING (110.49MM ID)						
	7	1	131-8447	1	PIPE						
	8	1	3B-6498	1	ELBOW (1 IN)						
	9	1	8T-4121	1	WASHER (2.5MM THK)						
M	10	1	8T-4195	1	BOLT (M10X1.50X30MM)						
AVAILABLE REPAIR KIT(S) :											
J			5T-8645	1	KIT-VENT						

J-KIT MARKED J INCLUDES PART(S) MARKED J
M-METRIC PART
Y-SEPARATE ILLUSTRATION



VIEW A-A



GRAPHIC #1

g00490707

FUEL SYSTEM

209-3164 FILTER GP-FUEL

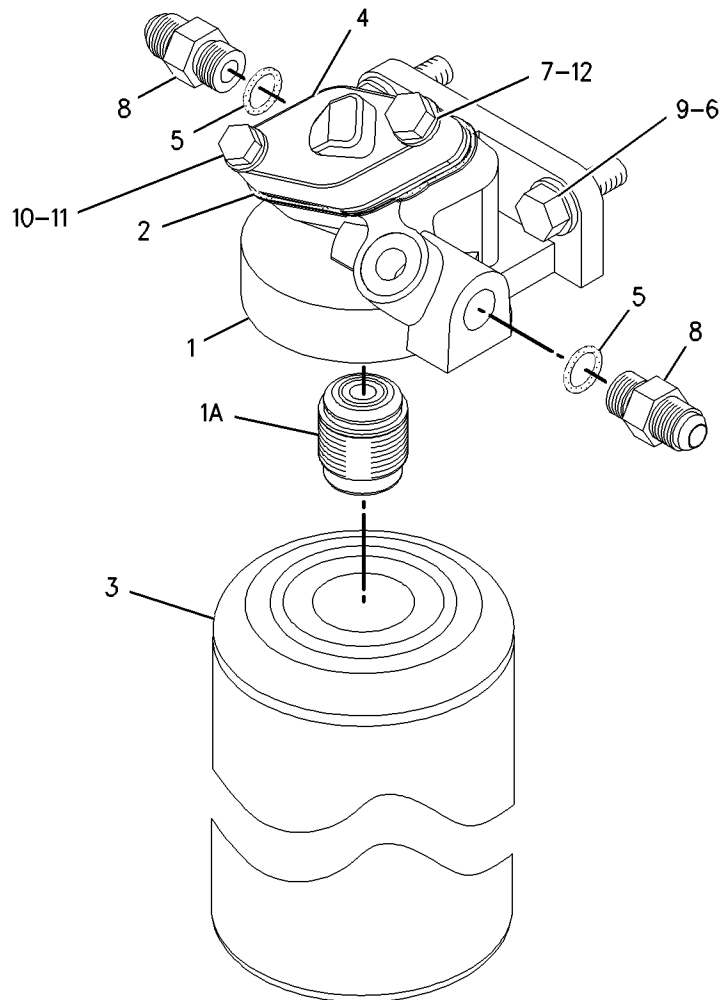
S/N: BNT1-UP

PROVIDES A PORT FOR THE FUEL PRESSURE SENSOR
PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1261

i01585146

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1N-3789	1	BASE AS-FILTER						
	1A	1	9S-4167	1	STUD-HOLLOW						
	2	1	1P-0436	1	GASKET (FUEL PRIMING PUMP)						
	3	1	1R-0749	1	FILTER AS-FUEL						
	4	1	6N-4414	1	COVER-FILTER BASE						
	5	1	033-6042	2	SEAL-O-RING						
	6	1	1A-2029	2	BOLT (3/8-16X1.125 IN)						
	7	1	1B-2790	1	BOLT (5/16-18X1.375 IN)						
	8	1	2R-6806	2	CONNECTOR						
	9	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
	10	1	5P-0537	1	WASHER-HARD (7.2X14.5X2MM THK)						
	11	1	7B-2742	1	BOLT (1/4-20X1.25 IN)						
	12	1	9M-1974	1	WASHER-HARD (8.8X16X2MM THK)						



GRAPHIC #1

g00826033

FUEL SYSTEM

131-0463 FILTER GP-WATER SEP & FUEL

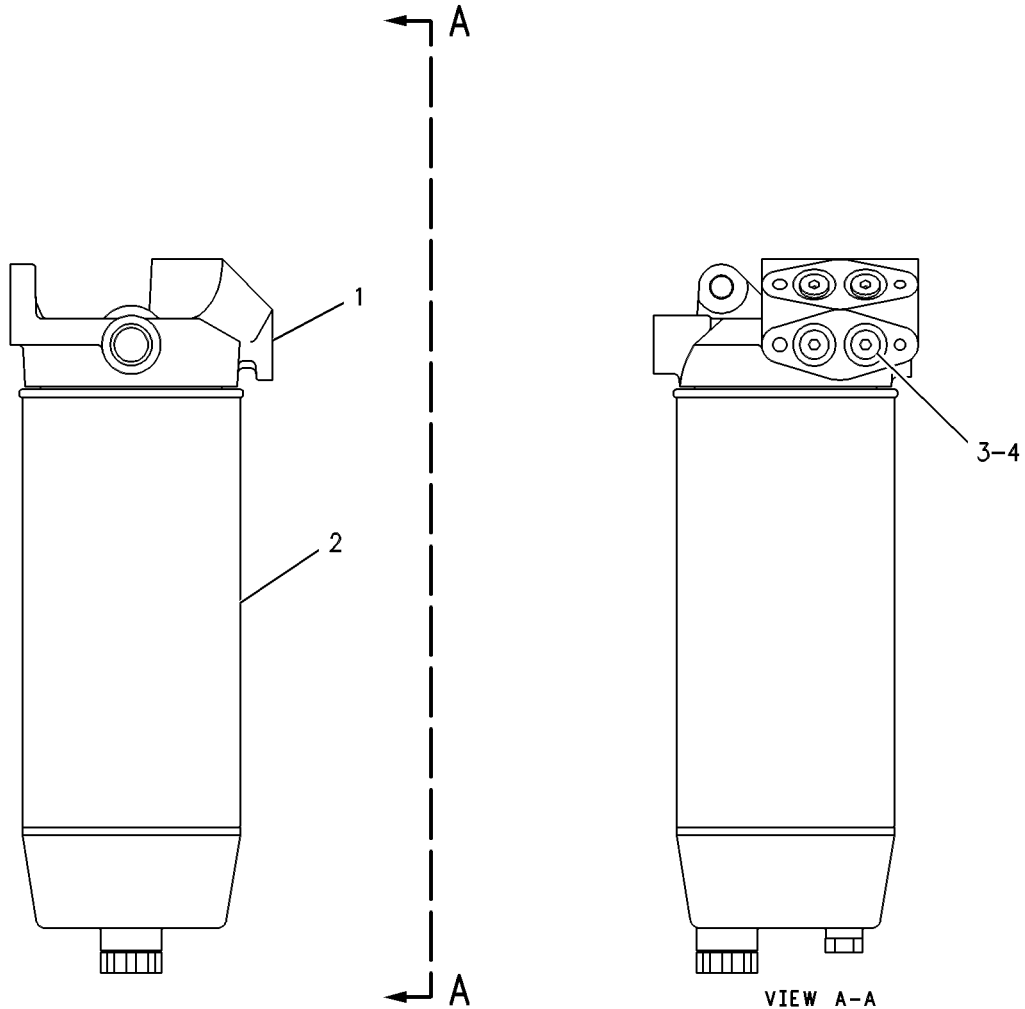
S/N: BPC1-UP

PART OF 204-6672 LINES GP-FUEL

SMCS-1261, 1263

i01400843

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	128-8557	1	BASE AS-FILTER						
		1	7E-5346	1	VALVE AS						
		1	9S-4167	1	STUD-HOLLOW						
J	2	1	129-0372	1	FILTER AS-WATER SEP & FUEL (PRIMARY)						
		1	129-0373	1	ELEMENT-FILTER						
		1	129-0375	1	BOWL AS-WATER COLLECTION						
	3	1	9S-8002	4	PLUG-O-RING						
	4	1	6V-5048	4	SEAL-O-RING (8.92MM ID)						
					AVAILABLE REPAIR KIT(S) :						
J			141-0284		KIT-FUEL FILTER & WATER SEP						
					(INCLUDES SEAL TOP AND GASKET)						
J-PART MARKED J INCLUDES KIT MARKED J											



GRAPHIC #1

g00121760

FUEL SYSTEM

139-6112 FUEL AR-CONVENTIONAL FILL

S/N: BPC1-UP
AN ATTACHMENT

SMCS-1273, 1274

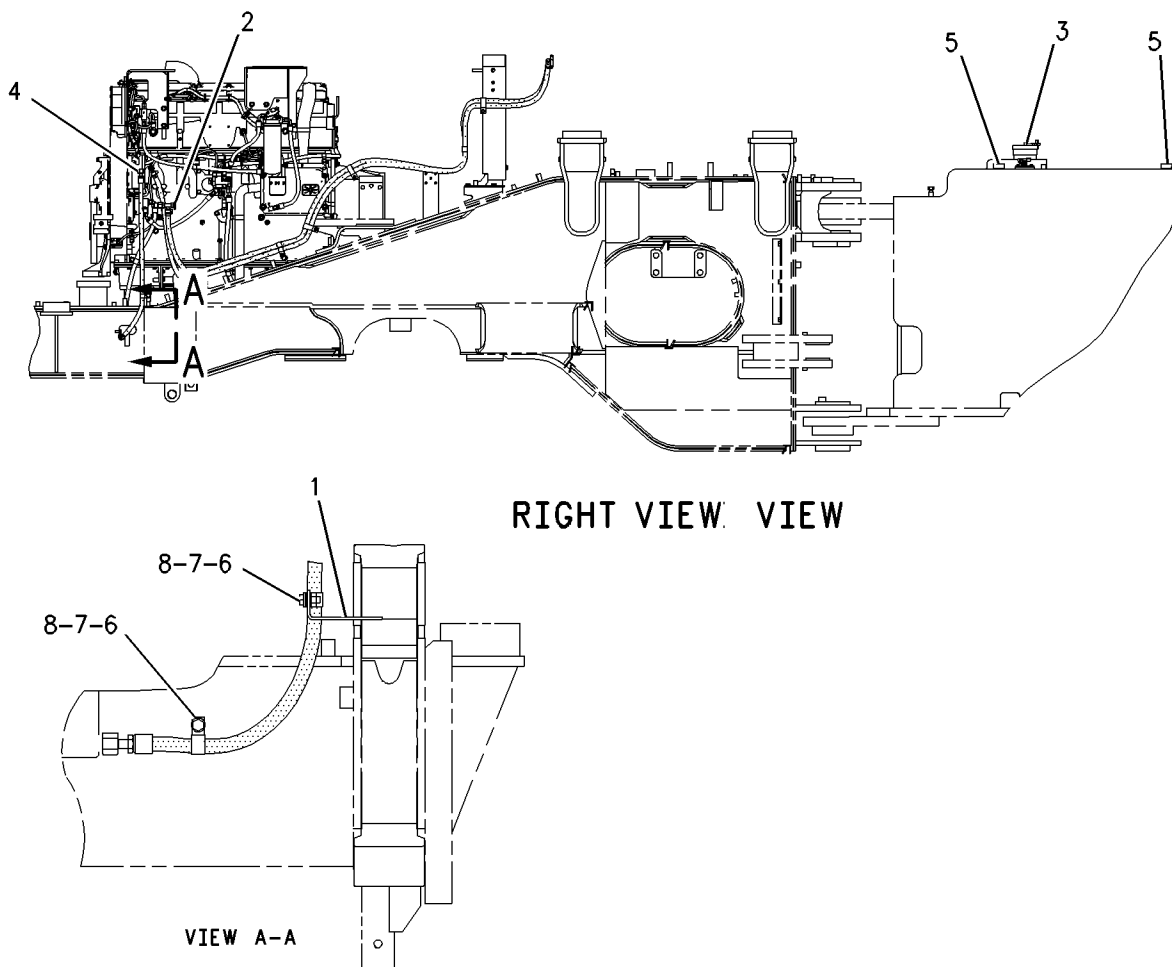
i01541098

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	142-1657	1	BRACKET AS	
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)	
Y	2	1	114-5141	1	LINES GP-HEATER	632
	3	1	123-6305	1	CAP AS-FUEL TANK (VENTED)	
I	4	1	171-4346	1	HOSE AS	
	5	1	4H-9027	2	PLUG-PIPE	
	6	1	6D-4244	2	CLIP	
	7	1	8T-4121	2	WASHER-HARD (11X21X2.5MM THK)	
M	8	1	8T-4136	2	BOLT (M10X1.5X25MM)	

I-SEE HOSE FABRICATION GUIDE

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00804542

FUEL SYSTEM

139-6113 FUEL AR-FAST FILL

S/N: BPC1-UP

AN ATTACHMENT

SMCS-1710

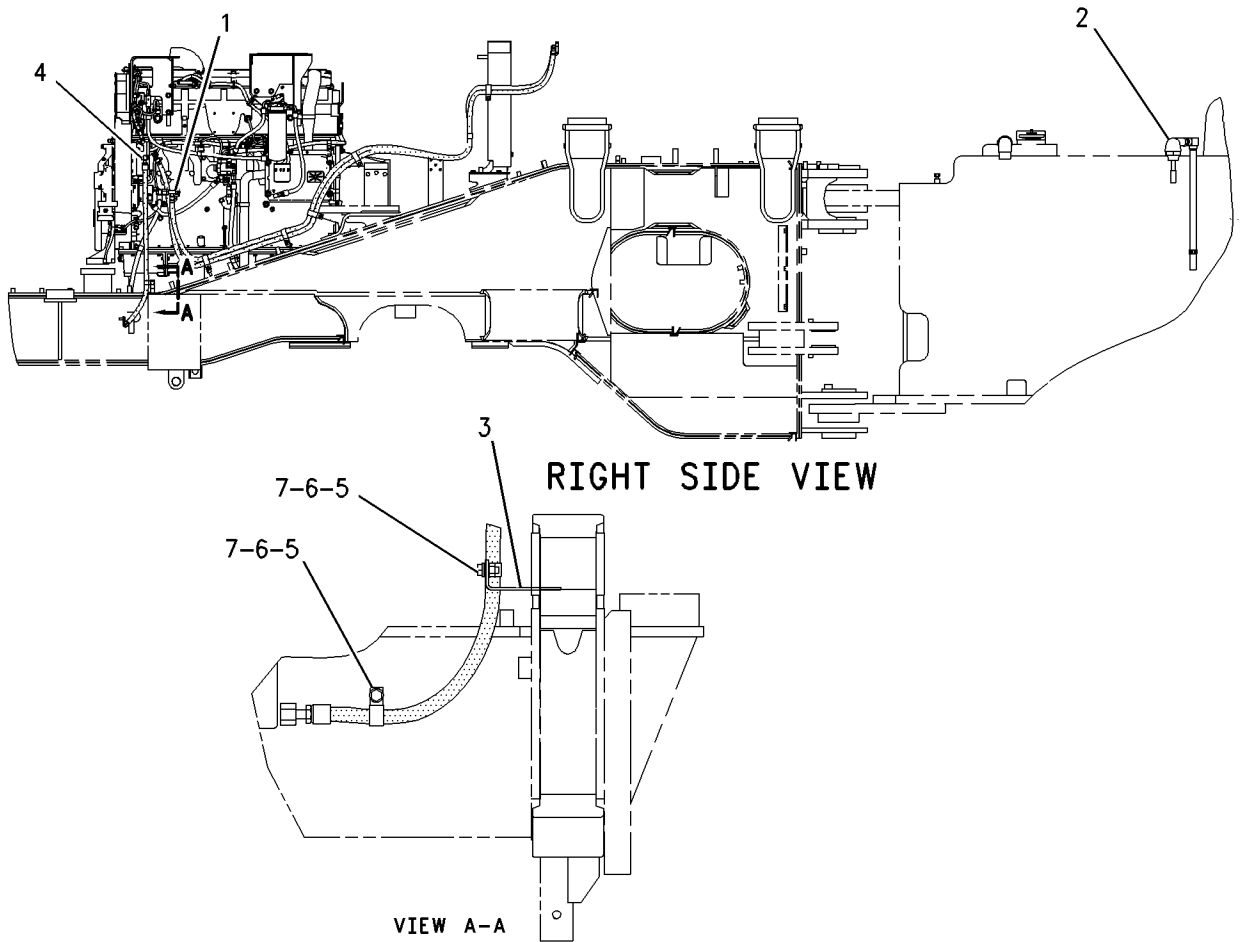
i01541300

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	114-5141	1	LINES GP-HEATER						632
Y	2	1	139-6114	1	ADAPTER GP-FAST FILL FUEL						107
	3	1	142-1657	1	BRACKET AS						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
I	4	1	171-4346	1	HOSE AS						
	5	1	6D-4244	2	CLIP						
	6	1	8T-4121	2	WASHER-HARD (11X21X2.5MM THK)						
M	7	1	8T-4136	2	BOLT (M10X1.5X25MM)						

I-SEE HOSE FABRICATION GUIDE

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00804625

FUEL SYSTEM

139-6115 FUEL AR-HEATER & FAST FILL

S/N: BPC1-UP
AN ATTACHMENT

SMCS-1296, 1710

i01083641

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	139-6114	1	ADAPTER GP-FAST FILL FUEL						107
Y	139-6116	1	HEATER GP-FUEL						146
Y-SEPARATE ILLUSTRATION									

FUEL SYSTEM

128-8510 INJECTOR GP-FUEL

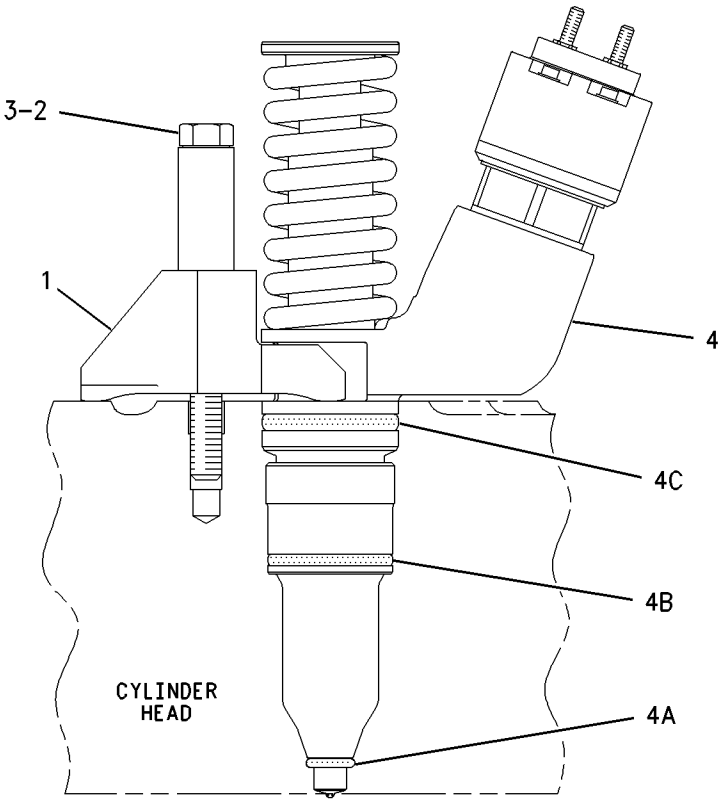
S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE
AN ATTACHMENT

SMCS-1254, 1290

i01404350

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0213	1	CLAMP						
	2	1	8S-9191	1	BOLT (3/8-16X4 IN)						
	3	1	100-5072	1	SPACER						
	4	1	191-3005	1	INJECTOR GP-FUEL						
	4A	1	9X-7317	1	SEAL-O-RING (9.6MM ID)						
	4B	1	9X-7418	1	SEAL-O-RING (32.99MM ID)						
	4C	1	9X-7419	1	SEAL-O-RING (36.09MM ID)						



REAR VIEW

GRAPHIC #1

g00665501

FUEL SYSTEM

199-6554 LINES GP-FUEL

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMPLETE
AN ATTACHMENT

SMCS-1274

i01626718

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1W-3189	3	SPACER						
	2	1	2B-2814	2	SPACER						
I	3	1	9V-9295	1	HOSE AS						
	4	1	103-4656	1	MANIFOLD-FUEL						
I	5	1	113-9002	1	HOSE AS						
I	6	1	116-2579	1	HOSE AS						
I	7	1	166-7952	1	HOSE AS-FUEL						
	8	1	141-9308	1	BRACKET AS						
Y	9	1	156-5783	1	VALVE GP-CHECK						124
	10	1	168-8974	1	TUBE AS						
I	11	1	172-8827	1	HOSE AS						
	12	1	168-0300	1	MANIFOLD						
	12A	1	9S-8005	2	PLUG-O-RING						
	12B	1	033-6042	2	SEAL-O-RING						
	12C	1	2R-6806	2	CONNECTOR						
	12D	1	6V-6609	2	SEAL-O-RING						
	13	1	196-1312	2	BRACKET AS						
		1	1F-0750	1	NUT-WELD (3/8-16 THD)						
	14	1	030-7942	2	ELBOW						
	15	1	030-7947	2	ELBOW						
	16	1	033-6042	9	SEAL-O-RING						
	17	1	067-2551	3	CLIP						
	18	1	0L-1143	2	BOLT (3/8-16X2.50 IN)						
	19	1	0S-0509	3	BOLT (3/8-16X0.75 IN)						
	20	1	0S-1571	3	BOLT (3/8-16X1.75 IN)						
	21	1	0S-1576	2	BOLT (5/8-18X2IN)						
	22	1	0S-1594	1	BOLT (3/8-16X1 IN)						
	23	1	0S-1619	2	BOLT (3/8-16X3 IN)						
	24	1	104-6202	2	CLIP (LADDER)						
	25	1	6V-8723	1	ELBOW						
	25A	1	3K-0360	1	SEAL-O-RING						
	25B	1	6V-8397	1	SEAL-O-RING						
	26	1	2R-6806	3	CONNECTOR						
	27	1	5M-2894	12	WASHER-HARD (10.2X18.5X2.5MM THK)						
	28	1	5P-8247	2	WASHER-HARD (17X32X3.5MM THK)						
	29	1	6K-8178	1	CLIP						
	30	1	6K-9194	2	ELBOW						
	31	1	6V-4589	1	SEAL-O-RING						
	32	1	6V-5048	2	SEAL-O-RING						
	33	1	9S-4182	1	PLUG-O-RING						
	34	1	9S-8002	1	PLUG-O-RING						
	35	1	9S-8004	2	PLUG						
	36	1	9S-8752	1	NUT-FULL (3/8-16 THD)						

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

FUEL SYSTEM

199-6554 LINES GP-FUEL (contd.) i01626718

EXPLODED VIEW OF AREA A

EXPLODED VIEW OF AREA B

TO FUEL RAIL

TO ELECTRIC PRIMING PUMP

TO FUEL TRANSFER PUMP

TO CYLINDER HEAD

FWD

GRAPHIC #1

g00842557

FUEL SYSTEM

204-6672 LINES GP-FUEL

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-1274

i01622829

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1P-0436	1	GASKET (FUEL PRIMING PUMP)	
	2	1	5G-7817	1	BOSS	
	3	2	8T-0131	2	ELBOW	
Y	4	1	131-0463	1	FILTER GP-WATER SEP & FUEL	109
	5	1	137-5541	1	PUMP GP-FUEL PRIMING	
		1	7E-2985	2	VALVE AS	
		1	1H-8171	1	SEAL-O-RING	
		1	6V-1903	1	SEAL-O-RING	
6		1	141-8368	1	BRACKET AS	
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)	
	7	2	154-4495	1	TUBE AS	
	8	2	154-4496	1	TUBE AS	
I	9	1	154-6628	1	HOSE AS	
I	10	1	154-6629	1	HOSE AS	
	11	1	161-8678	1	BRACKET AS	
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)	
M		1	8T-3597	2	NUT-WELD (M12X1.75 THD)	
	12	2	171-6729	2	VALVE AS	
					(EACH INCLUDES)	
		2	8T-0081	1	VALVE-BALL	
		2	3K-0360	1	SEAL-O-RING	
I	13	1	172-1533	1	HOSE AS	
	14	1,2	175-3183	2	ANGLE AS	
					(EACH INCLUDES)	
M		1,2	8T-3490	1	NUT-WELD (M10X1.5 THD)	
I	15	1	200-6153	1	HOSE AS	
I	16	1	204-6674	1	HOSE AS	
	17	2	148-8340	2	CONNECTOR GP	
					(EACH INCLUDES)	
		2	6V-8639	1	CONNECTOR	
		2	3K-0360	1	SEAL-O-RING	
		2	6V-8398	1	SEAL-O-RING	
18		2	148-8365	2	ELBOW GP	
					(EACH INCLUDES)	
		2	8T-6876	1	ELBOW	
		2	3J-1907	1	SEAL-O-RING	
		2	6V-8398	1	SEAL-O-RING	
19		1	148-8380	2	ELBOW AS	
					(EACH INCLUDES)	
		1	6V-8398	2	SEAL-O-RING	
		1	6V-8988	1	ELBOW	
20		2	148-8390	1	ELBOW GP	
		2	6V-8626	1	ELBOW	
		2	2M-9780	1	SEAL-O-RING	
		2	7J-9108	1	SEAL-O-RING	
21		2	150-4048	1	ELBOW GP	
		2	6V-8722	1	ELBOW	
		2	3K-0360	1	SEAL-O-RING	
		2	7J-9108	1	SEAL-O-RING	
22		1	164-5624	1	ELBOW GP	
		1	9X-2085	1	ELBOW	
		1	3J-1907	1	SEAL-O-RING	
		1	6V-8398	1	SEAL-O-RING	
23		2	1B-3057	2	CLIP	
24		1	3G-8054	1	CLIP (TAB)	
25		1	3G-8057	1	CLIP (SLOT)	

FUEL SYSTEM

204-6672 LINES GP - FUEL (contd.)

i01622829

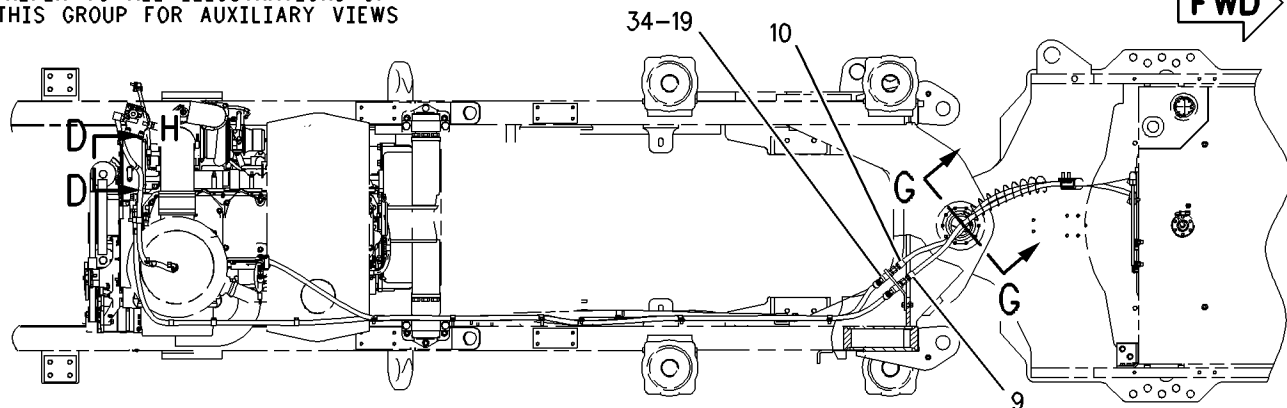
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	26	1, 2	3S-8665	5	CLIP						
	27	1	5M-3062	1	BOLT (3/8-16X0.75 IN)						
	28	1	6D-4244	3	CLIP						
	29	1	6D-4247	7	CLIP						
	30	1	6D-4636	1	CLIP						
	31	1	6V-0974	1	GROMMET						
	32	1	6V-8732	1	UNION-FACE SEAL						
	33	2	6V-8918	1	BOLT (5/16-18X1.25 IN)						
	34	1	6V-9169	2	NUT-BULKHEAD (13/16-16 THD)						
	35	1, 2	7J-9108	4	SEAL-O-RING						
	36	2	7X-2501	1	BOLT (1/4-20X1.25 IN)						
	37	1, 2	8T-4121	15	WASHER-HARD (11X21X2.5MM THK)						
M	38	2	8T-4136	3	BOLT (M10X1.5X25MM)						
M	39	1, 2	8T-4137	5	BOLT (M10X1.5X20MM)						
M	40	1	8T-4183	4	BOLT (M12X1.75X40MM)						
M	41	1	8T-4186	1	BOLT (M10X1.5X40MM)						
M	42	1, 2	8T-4195	5	BOLT (M10X1.5X30MM)						
	43	2	8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)						
	44	1	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)						
	45	2	8T-4224	1	WASHER-HARD (8.8X16X2MM THK)						
	46	2	161-5104	1	GUARD						
I-SEE HOSE FABRICATION GUIDE											
M-METRIC PART											
Y-SEPARATE ILLUSTRATION											

FUEL SYSTEM

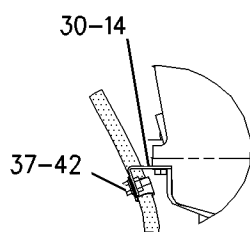
204-6672 LINES GP-FUEL (contd.)

i01622829

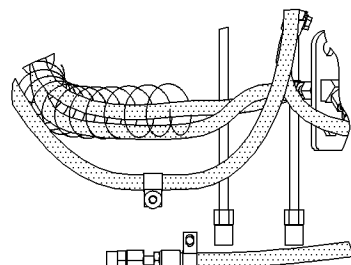
REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



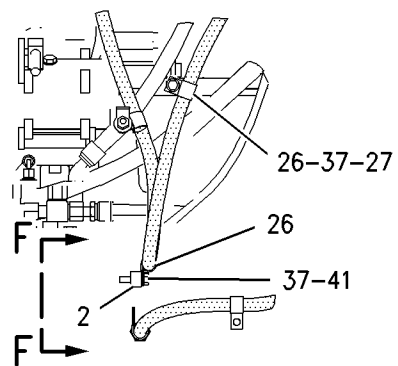
TOP VIEW



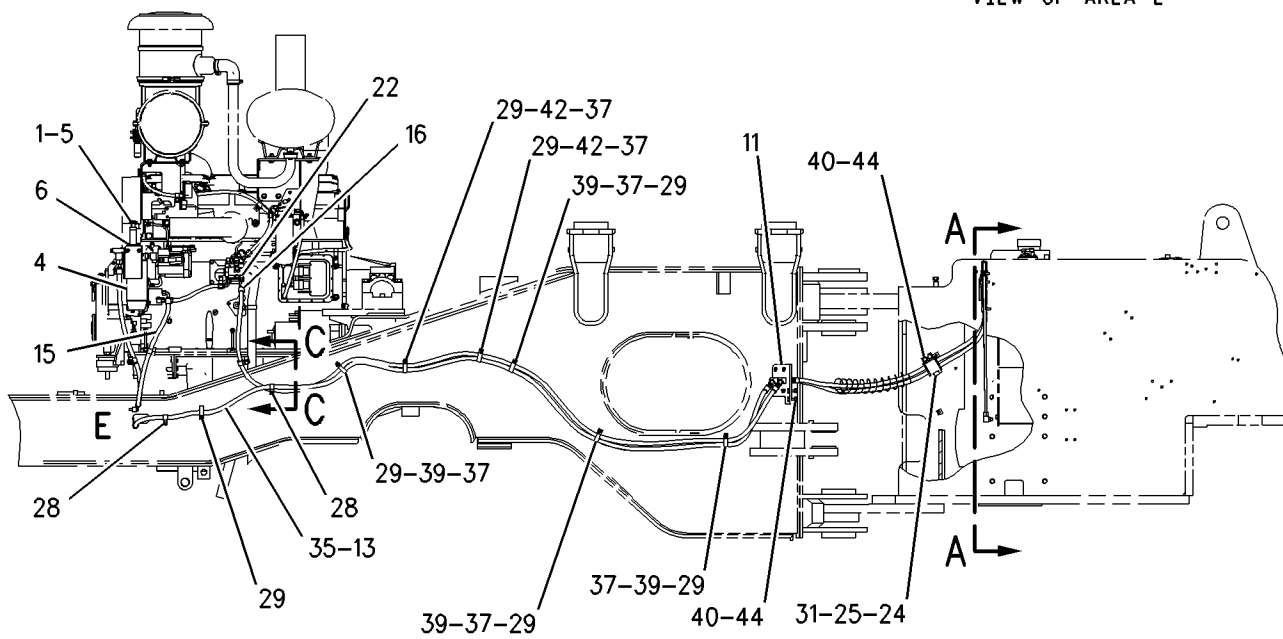
SECTION C-C



SECTION F-F



VIEW OF AREA E



RIGHT SIDE VIEW

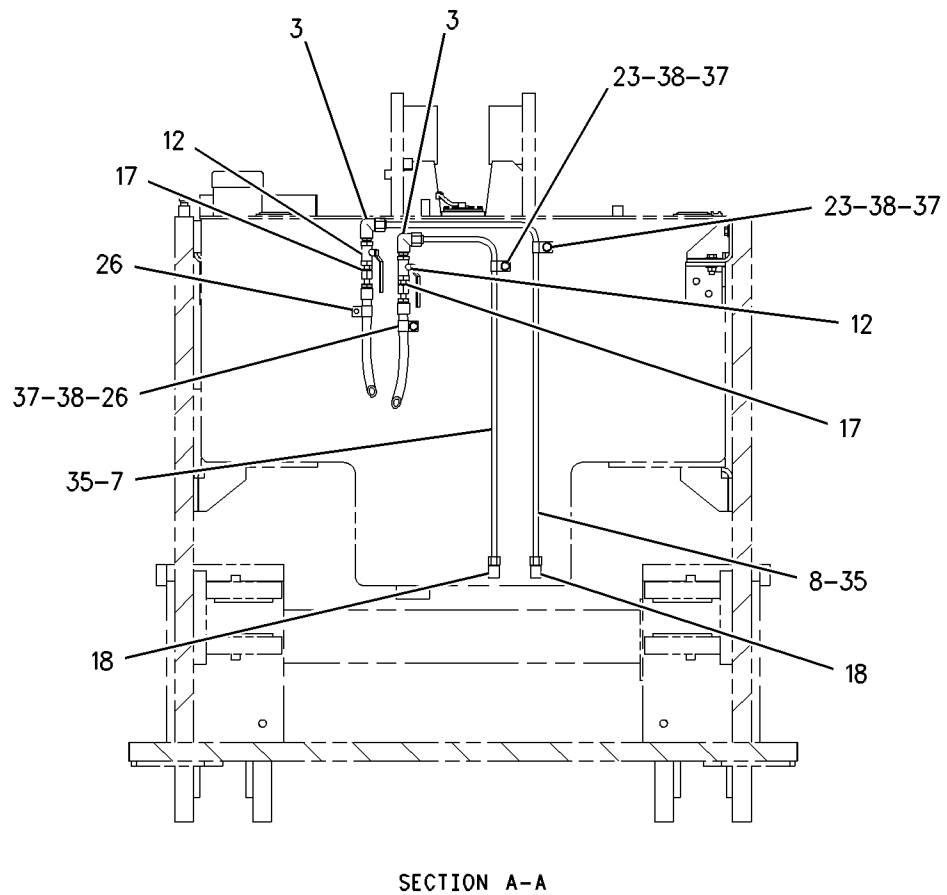
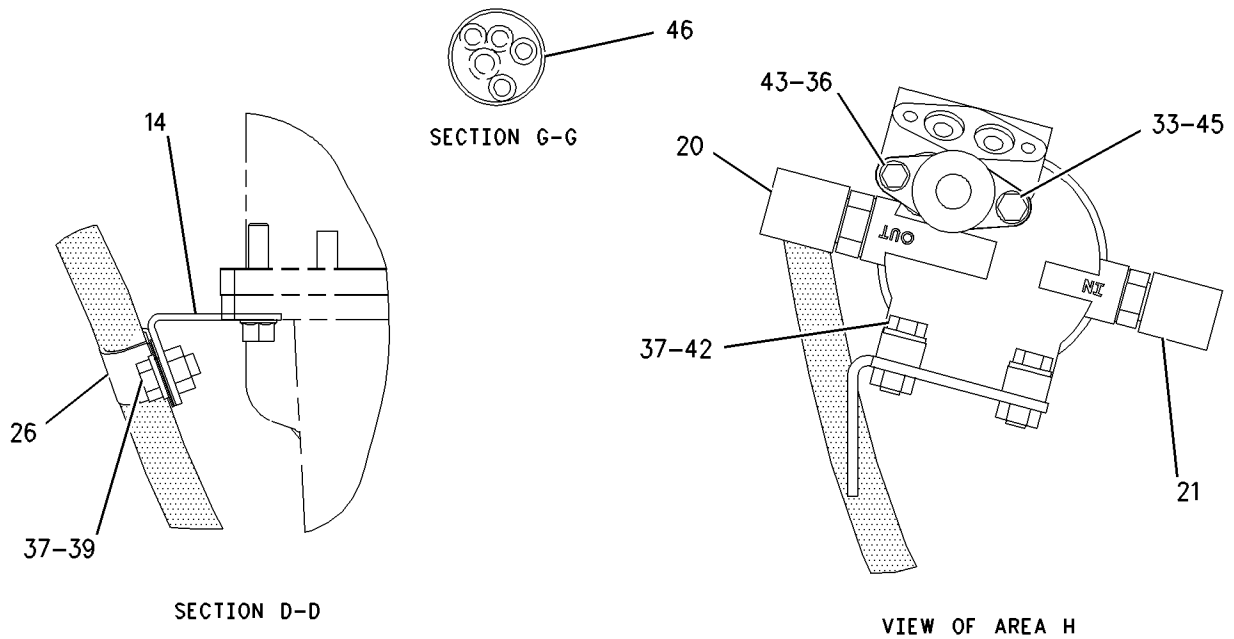
GRAPHIC #1

g00839870

FUEL SYSTEM

204-6672 LINES GP-FUEL (contd.)

i01622829



GRAPHIC #2

g00815359

FUEL SYSTEM

150-4279 PUMP & MTG GP-FUEL TRANSFER

S/N: BNT1-UP

ALLOWS USE OF FRONT MOUNTED PUMP EXCEPT WHEN LH MOUNTING GP-ALTERNATOR IS PROVIDED

PART OF 198-6493, 198-6494 ENGINE AR-COMplete

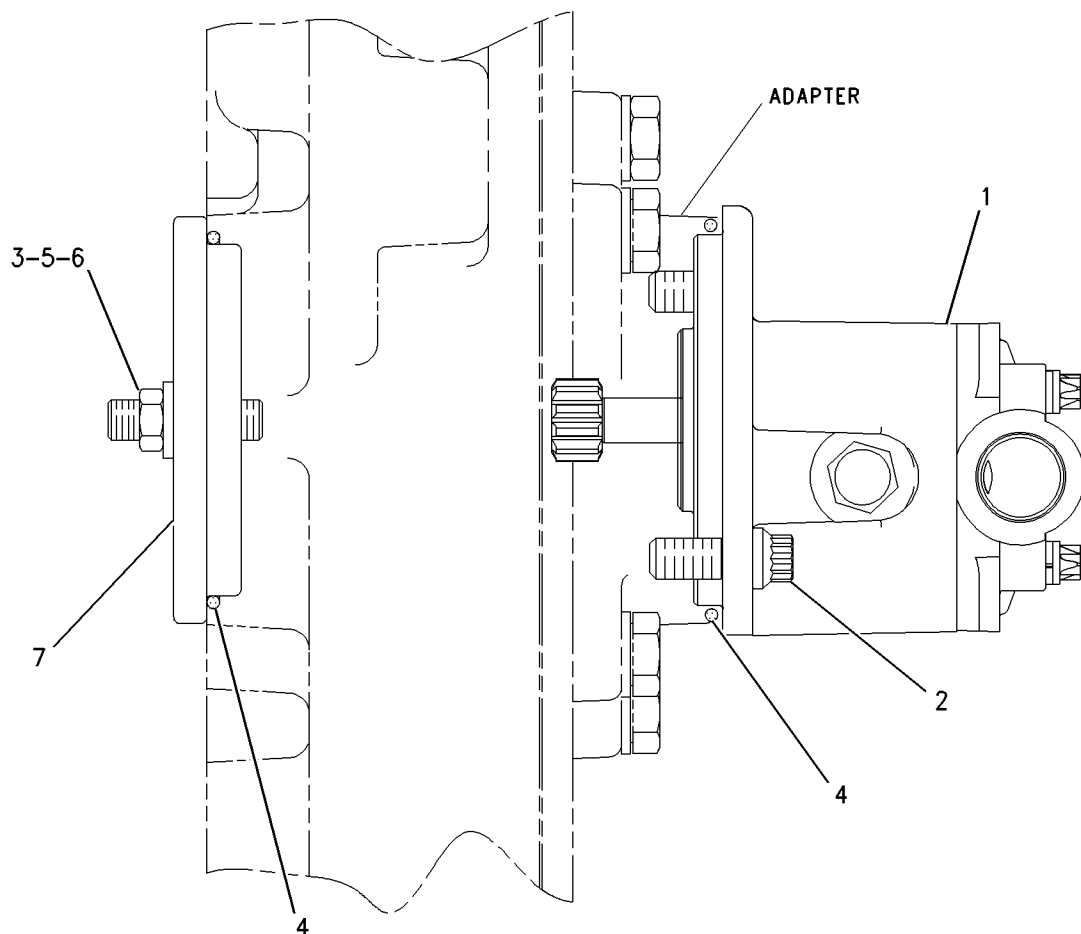
AN ATTACHMENT

SMCS-1256

i01517568

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
C	1	1	190-3443	1	PUMP GP-FUEL TRANSFER	
	2	1	1T-0765	2	BOLT (3/8-16X1 IN)	
	3	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	4	1	107-5769	2	SEAL-O-RING	
	5	1	0S-0699	2	STUD	
	6	1	9S-8752	2	NUT-FULL (3/8-16 THD)	
	7	1	133-9116	1	COVER	

C-CHANGE FROM PREVIOUS TYPE



LEFT SIDE VIEW

GRAPHIC #1

g00762253

MEMORANDA

FUEL SYSTEM

142-1765 TANK GP-FUEL

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-1273

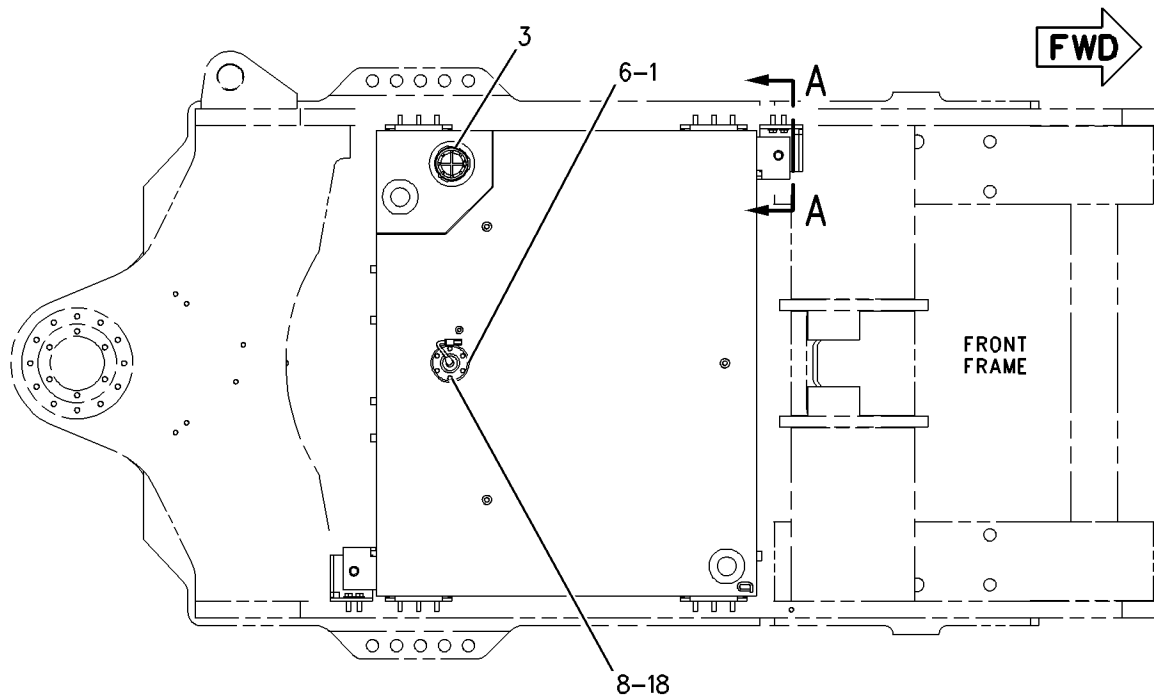
i01542976

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6C-3060	1	GASKET						
	2	1	6S-6251	2	MOUNT						
	3	1	9P-7121	1	STRAINER-FUEL						
	4	1	151-1076	4	BRACKET						
	5	1	151-1079	1	TANK AS-FUEL						
	6	1	151-1399	1	SENDER AS						
		1	138-0444	1	KIT-DIAL SENSOR						
M	8	1	5C-9553	6	BOLT (M6X1X16MM)						
	9	1	1S-4305	4	WASHER (0.531X1X0.56 IN THK)						
	10	1	7M-8485	1	SEAL-O-RING						
	11	1	7X-0590	6	WASHER-HARD (13.5X44.5X6MM THK)						
M	12	1	8T-4956	4	BOLT (M12X1.75X35MM)						
M	13	1	8T-4183	16	BOLT (M12X1.75X40MM)						
	14	1	8T-4223	18	WASHER-HARD (13.5X25.5X3MM THK)						
M	15	1	8T-4244	2	NUT (M12X1.75 THD)						
M	16	1	8T-4648	2	BOLT (M12X1.75X70MM)						
	17	1	9S-9334	1	PLUG						
	18	1	9X-8256	6	WASHER (6.6X12X2MM THK)						
	19	1	1H-8306	1	SCREW-PURGE (1/2-20X1.625IN)						
M-METRIC PART											

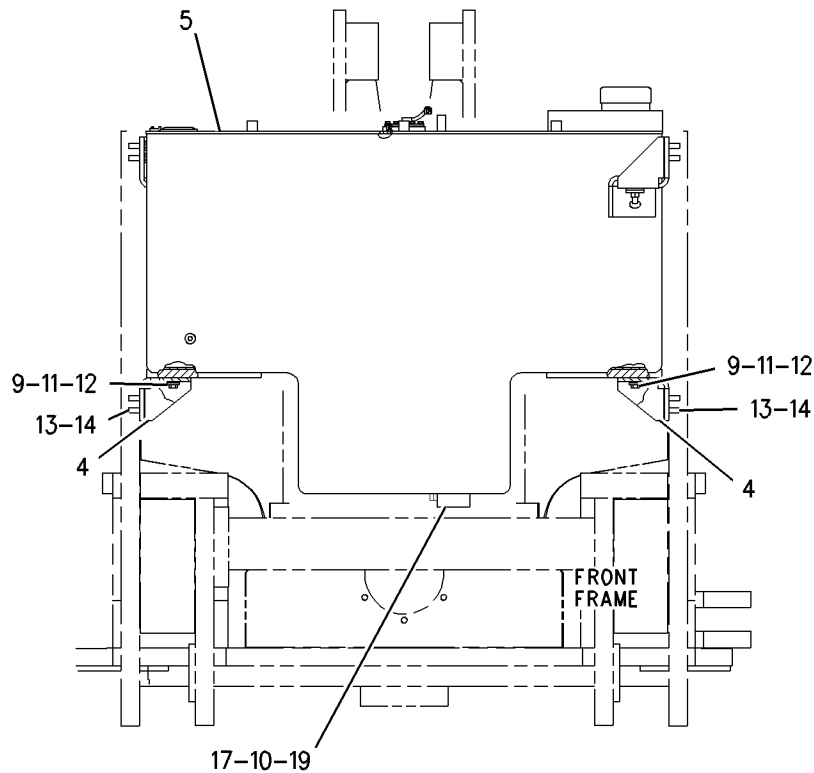
FUEL SYSTEM

142-1765 TANK GP - FUEL (contd.)

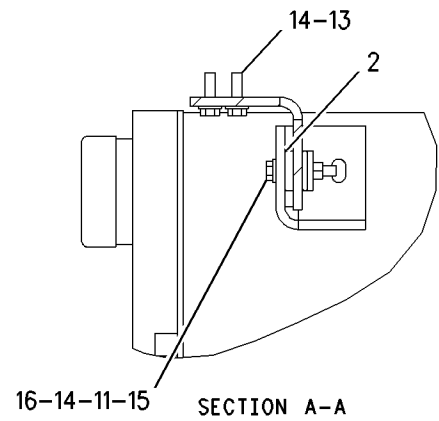
i01542976



TOP VIEW



FRONT VIEW



GRAPHIC #1

g00801561

FUEL SYSTEM

156-5783 VALVE GP-CHECK

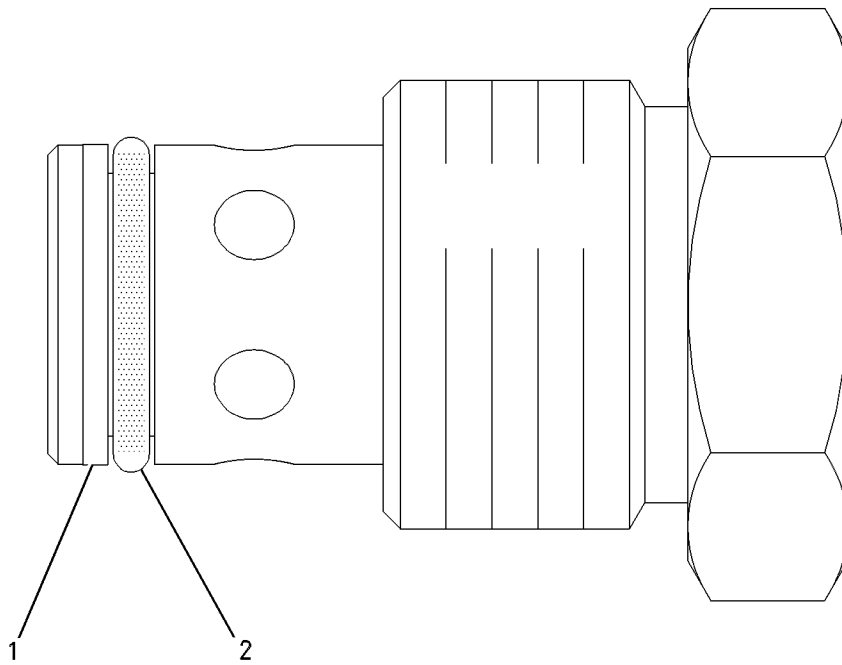
S/N: BNT1-UP

PART OF 199-6554 LINES GP-FUEL
AN ATTACHMENT

SMCS-1251, 1274

i01226449

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-6923	1	RING-BACKUP (13.16MM ID)						
	2	1	033-6033	1	SEAL-O-RING (12.42MM ID)						



GRAPHIC #1

g00655663

ELECTRICAL AND STARTING SYSTEM

3E-6328 ALARM GP-ACTION

S/N: BPC1-UP

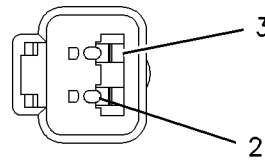
24 VOLT

PART OF 144-2622 PANEL GP-INSTRUMENT

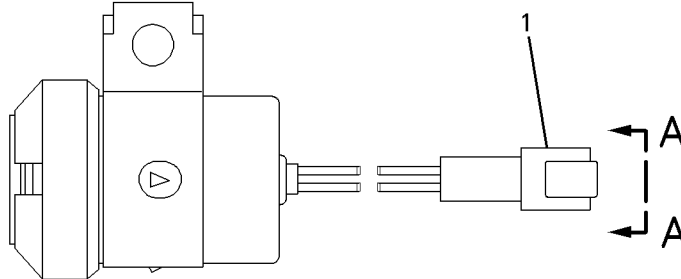
SMCS-7406, 7407

i01592644

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	102-8802	1	KIT-RECEPTACLE (2 PIN) (ACTION ALARM) (INCLUDES RECEPTACLE AS AND WEDGE)	
	2	1	186-3735	2	PIN-CONNECTOR	
	3	1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)	



VIEW A-A



GRAPHIC #1

g00826023

ELECTRICAL AND STARTING SYSTEM

165-5140 ALTERNATOR GP-CHARGING

S/N: BPC1-UP

24 VOLT, 100 AMPERE

PART OF 190-6564 ALTERNATOR GP-CHARGING

SMCS-1405

i01242199

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
			(NO SERVICED PARTS)						

ELECTRICAL AND STARTING SYSTEM

190-6564 ALTERNATOR GP-CHARGING

S/N: BPC1-UP

110 AMP/24 VOLT

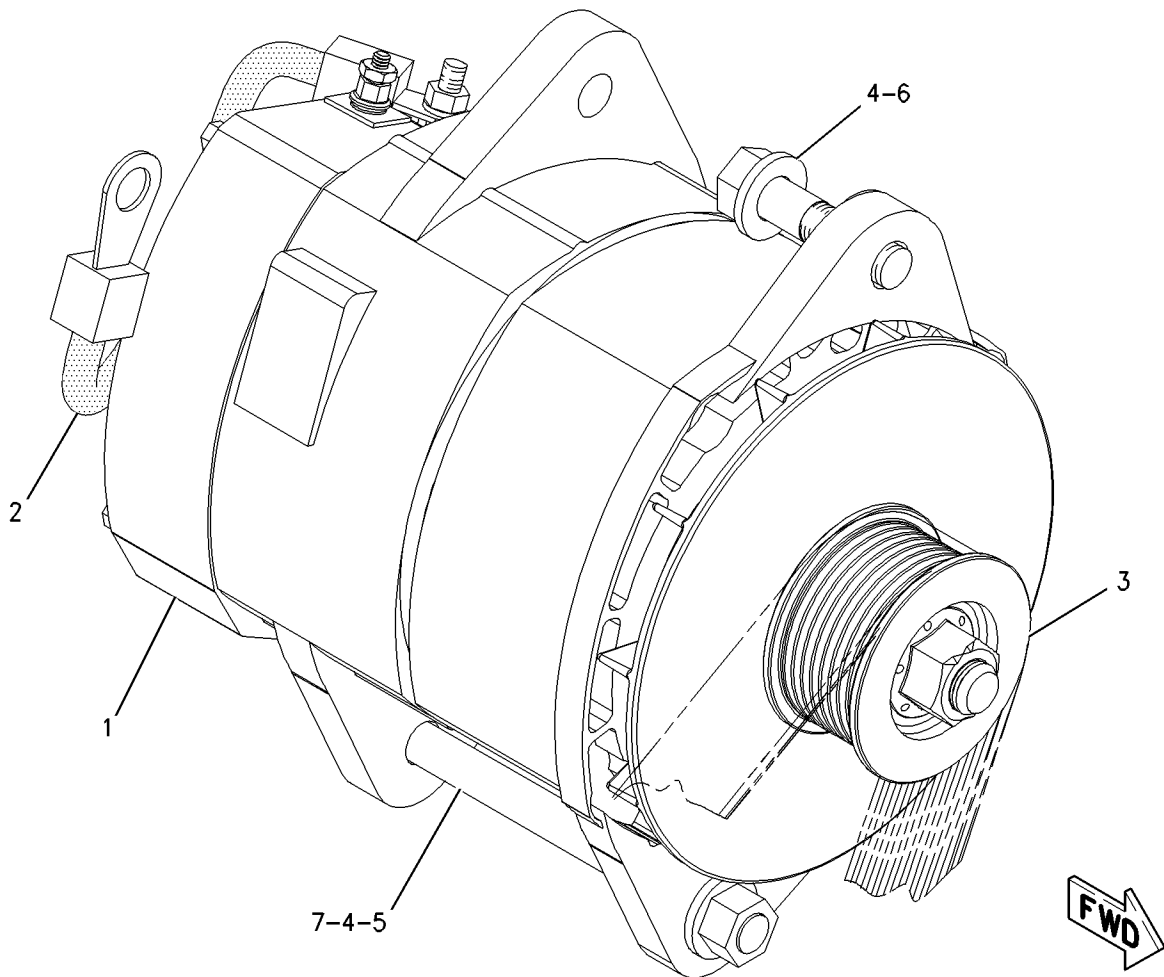
PART OF 201-4341 INSTALLATION AR-ENGINE
FOR USE WITH 62 MILLIMETER DIAMETER PULLEY

SMCS-1405

i01398936

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	165-5140	1	ALTERNATOR GP-CHARGING	126
	2	1	179-8318	1	WIRE AS	
	3	1	190-3635	1	PULLEY	
	4	1	8T-4223	3	WASHER-HARD (13.5X25.5X3MM THK)	
M	5	1	8T-4244	1	NUT (M12X1.75 THD)	
	6	1	8T-4835	1	BOLT (1/2-13X2 IN)	
M	7	1	8T-5092	1	BOLT (M12X1.75X150MM)	

M-METRIC PART
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00737387

ELECTRICAL AND STARTING SYSTEM

114-5179 BATTERY & WIRING GP

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-1401, 1408

i01625807

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3E-8320	1	PLATE-INSTRUCTION (BATTERY)	
	2	1	3S-2093	15	STRAP-CABLE	
	3	1	7F-0560	6	WASHER (2.57MM THK)	
Y	4	1	7N-0719	1	SWITCH GP-DISCONNECT (BATTERY)	193
	5	1	8C-6358	1	JUNCTION BLOCK AS	
		1	1D-5117	3	NUT-JAM (1/2-13 THD)	
		1	8T-3519	3	BOLT-BRONZE (1/2-13X2.0 IN)	
	6	1	8S-2634	1	COVER AS	
		1	2P-2975	2	SEAL-O-RING	
	7	1	118-1277	2	CABLE AS	
					(EACH INCLUDES)	
E		1	5P-0761		CABLE (00GA) (RED) (20 CM)	
		1	9G-0003	1	COVER-TERMINAL (BLACK)	
		1	9G-0004	1	COVER-TERMINAL (RED)	
		1	1M-6119	2	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	1M-6120	2	NUT-BATTERY TERMINAL (5/16-18 THD)	
	8	1	118-2080	2	HOLD-DOWN AS	
	9	1	121-7848	2	PLATE	
	10	1	139-2212	1	BRACKET	
	11	1	139-3884	1	PLATE AS	
	12	1	139-5908	1	CABLE AS	
E		1	5P-0747		CABLE (00GA) (BLACK) (93 CM)	
		1	1S-7252	1	TERMINAL-RING (FOR 3/8 IN BOLT)	
		1	6T-0465	1	COVER-TERMINAL (BLACK)	
		1	9S-5755	1	TERMINAL AS	
		1	1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
		1	7N-5274	1	COVER-TERMINAL (BLACK)	
		1	3S-6050	1	TERMINAL AS-BATTERY (NEGATIVE)	
		1	1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
		1	9X-3410	1	COVER-TERMINAL	
	13	1	139-5909	1	CABLE AS	
E		1	5P-0761		CABLE (00GA) (RED) (21 CM)	
		1	3S-6049	1	TERMINAL AS-BATTERY (POSITIVE)	
		1	1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
		1	8N-0869	1	COVER-TERMINAL (RED)	
		1	8N-1725	1	COVER-TERMINAL (RED)	
		1	1S-7251	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
	14	1	139-5910	1	CABLE AS	
E		1	5P-0761		CABLE (00GA) (RED) (57 CM)	
		1	8N-1725	1	COVER-TERMINAL (RED)	
		1	9X-9120	1	BOOT (RED)	
		1	9X-9825	1	TERMINAL-CABLE	
		1	3S-6049	1	TERMINAL AS-BATTERY (POSITIVE)	
		1	1M-6119	1	BOLT-BATTERY TERMINAL (5/16-18X1.375 IN)	
		1	1M-6120	1	NUT-BATTERY TERMINAL (5/16-18 THD)	
	15	1	139-5911	1	CABLE AS	
E		1	5P-0747		CABLE (00GA) (BLACK) (146 CM)	
		1	1S-7251	1	TERMINAL-RING (FOR 1/2 IN BOLT)	
		1	1S-7252	1	TERMINAL-RING (FOR 3/8 IN BOLT)	
		1	6T-0465	1	COVER-TERMINAL (BLACK)	
	16	1	139-5912	1	CABLE AS	
E		1	5P-0761		CABLE (00GA) (RED) (161 CM)	
		1	1S-7251	1	TERMINAL-RING (FOR 1/2 IN BOLT)	

ELECTRICAL AND STARTING SYSTEM

114-5179 BATTERY & WIRING GP (contd.)

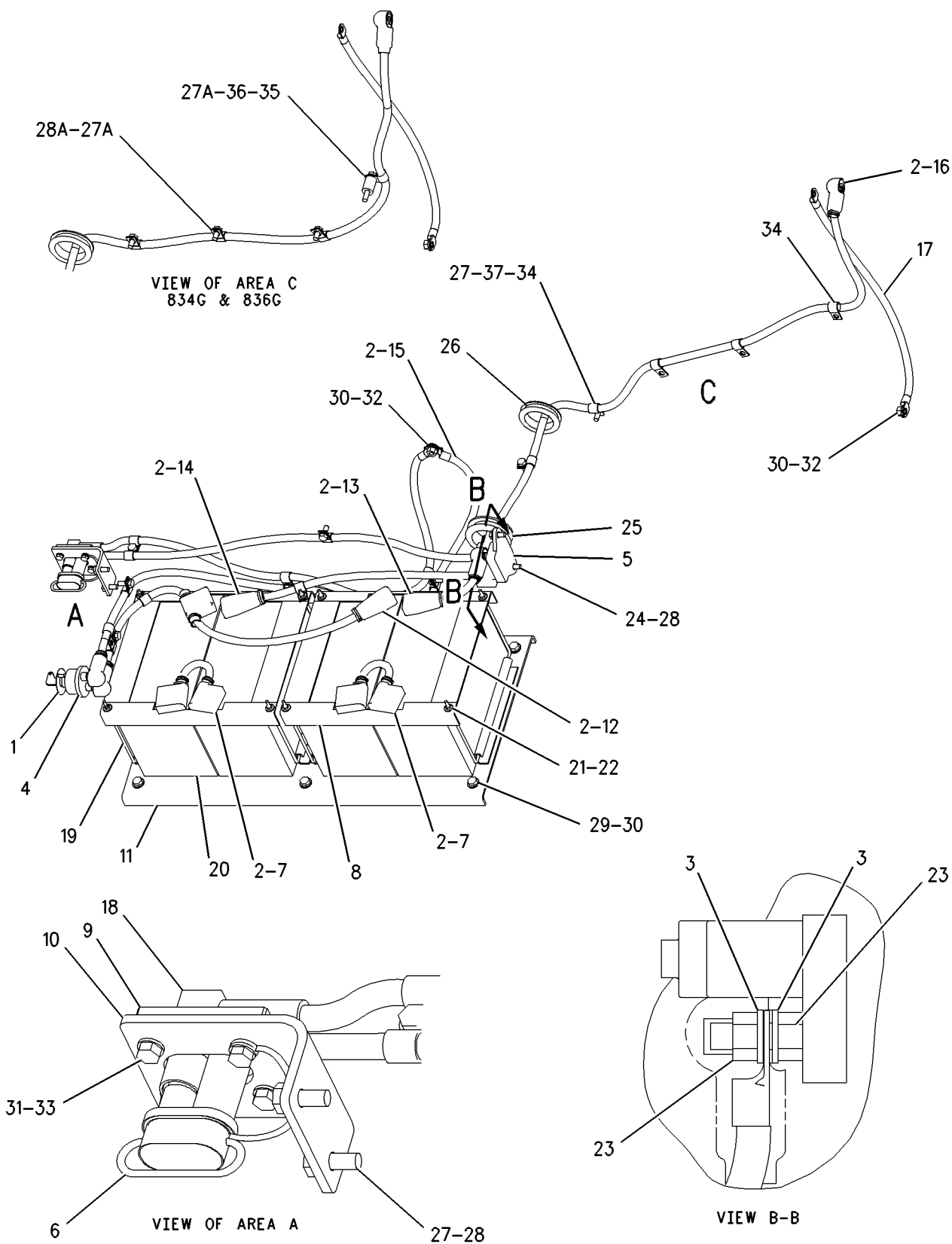
i01625807

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
		1	8N-0869	1	COVER-TERMINAL (RED)	
	17	1	139-5913	1	CABLE AS	
E		1	5P-0747		CABLE (00GA) (BLACK) (66 CM)	
		1	1S-7251	2	TERMINAL-RING (FOR 1/2 IN BOLT)	
		1	8N-0869	1	COVER-TERMINAL (RED)	
	18	1	141-4353	1	RECEPTACLE AS-AUXILIARY START	
	19	1	118-2079	4	ROD	
	20	1	3T-5760	4	BATTERY (MAINTENANCE FREE) (12 VOLT)	
M	21	1	5C-2890	8	NUT (M6X1 THD)	
	22	1	5P-4115	8	WASHER-HARD (7.2X19X2MM THK)	
	23	1	6V-8188	6	NUT (1/2-13 THD)	
	24	1	7X-7729	2	WASHER (11X25X3MM THK)	
	25	1	7Y-8168	1	GROMMET	
	26	1	8D-0482	1	GROMMET	
	27	1	8T-4121	10	WASHER-HARD (11X21X2.5MM THK)	
J	27A	1	8T-4121	3	WASHER-HARD (11X21X2.5MM THK)	
M	28	1	8T-4136	11	BOLT (M10X1.5X25MM)	
JM	28A	1	8T-4137	2	BOLT (M10X1.5X20MM)	
M	29	1	8T-4139	6	BOLT (M12X1.75X30MM)	
	30	1	8T-4223	8	WASHER-HARD (13.5X25.5X3MM THK)	
	31	1	8T-4224	4	WASHER-HARD (8.8X16X2MM THK)	
M	32	1	8T-4244	2	NUT (M12X1.75 THD)	
M	33	1	8T-4908	4	BOLT (M8X1.25X25MM)	
	34	1	205-7299	17	CLIP	
J	35	1	6B-6205	1	SPACER (7/8X1-5/16X1-9/32 THK)	
JM	36	1	8T-6466	1	BOLT (M10X1.50X60MM)	
M	37	1	8T-4137	1	BOLT (M10X1.5X20MM)	
E-ORDER BY THE CENTIMETER						
J-PARTS MARKED J FOR USE WITH 824G & 836G						
M-METRIC PART						
Y-SEPARATE ILLUSTRATION						

ELECTRICAL AND STARTING SYSTEM

114-5179 BATTERY & WIRING GP (contd.)

i01625807



GRAPHIC #1

g00841700

ELECTRICAL AND STARTING SYSTEM

126-7631 CONNECTION GP-ELECTRICAL

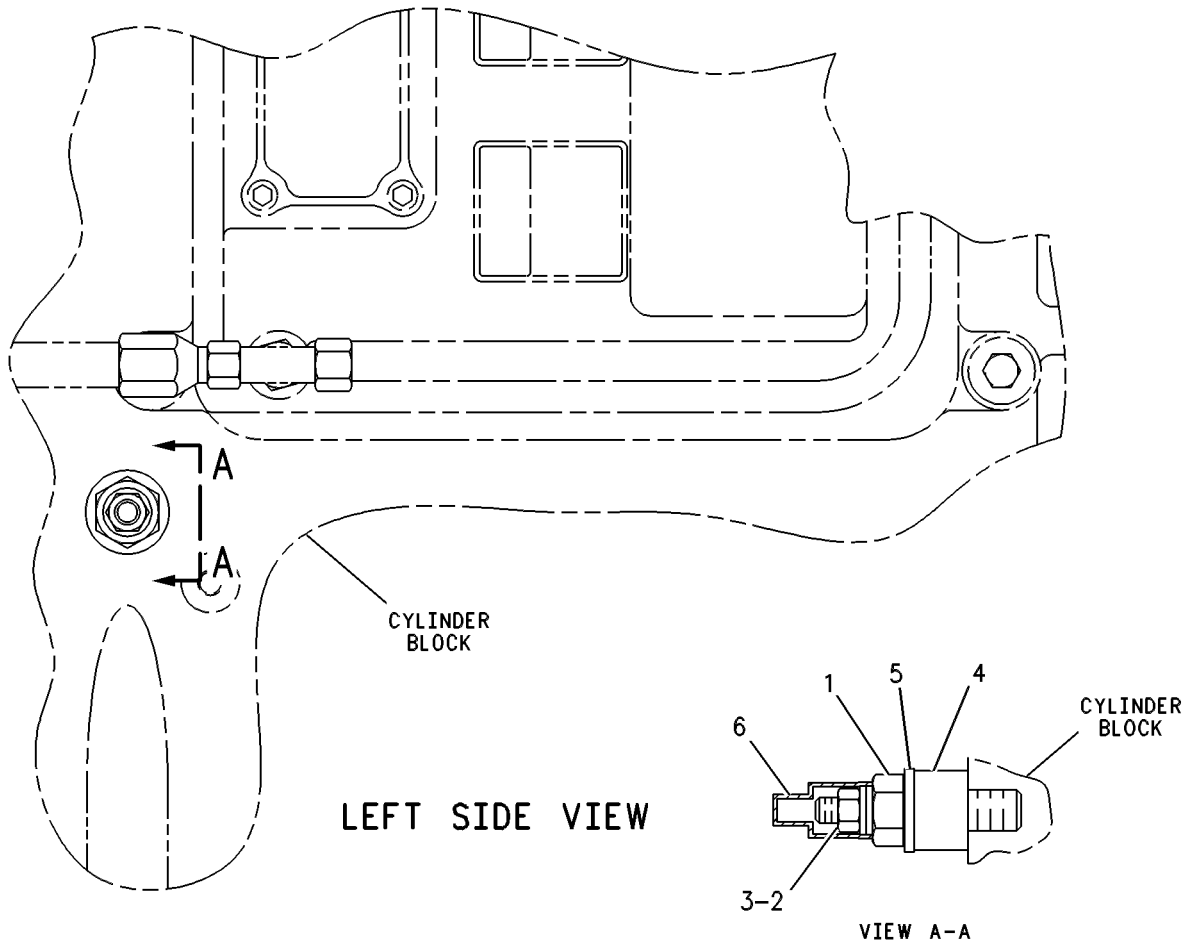
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
FOR USE WITH BLOCK SOUND PANEL
AN ATTACHMENT

SMCS-1408

i00834312

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	126-8449	1	STUD-BOLT						
	2	1	8T-4896	2	WASHER-HARD (2.5MM THK)						
	3	1	6V-8801	1	NUT (3/8-16 THD)						
	4	1	9M-7783	1	SPACER						
	5	1	5P-8247	1	WASHER-HARD (3.5MM THK)						
	6	1	101-6603	1	CAP						



GRAPHIC #1

g00263455

ELECTRICAL AND STARTING SYSTEM

188-1758 CONTROL & MTG GP-ENGINE ELEK

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMPLETE
AN ATTACHMENT

SMCS-1901

i01625546

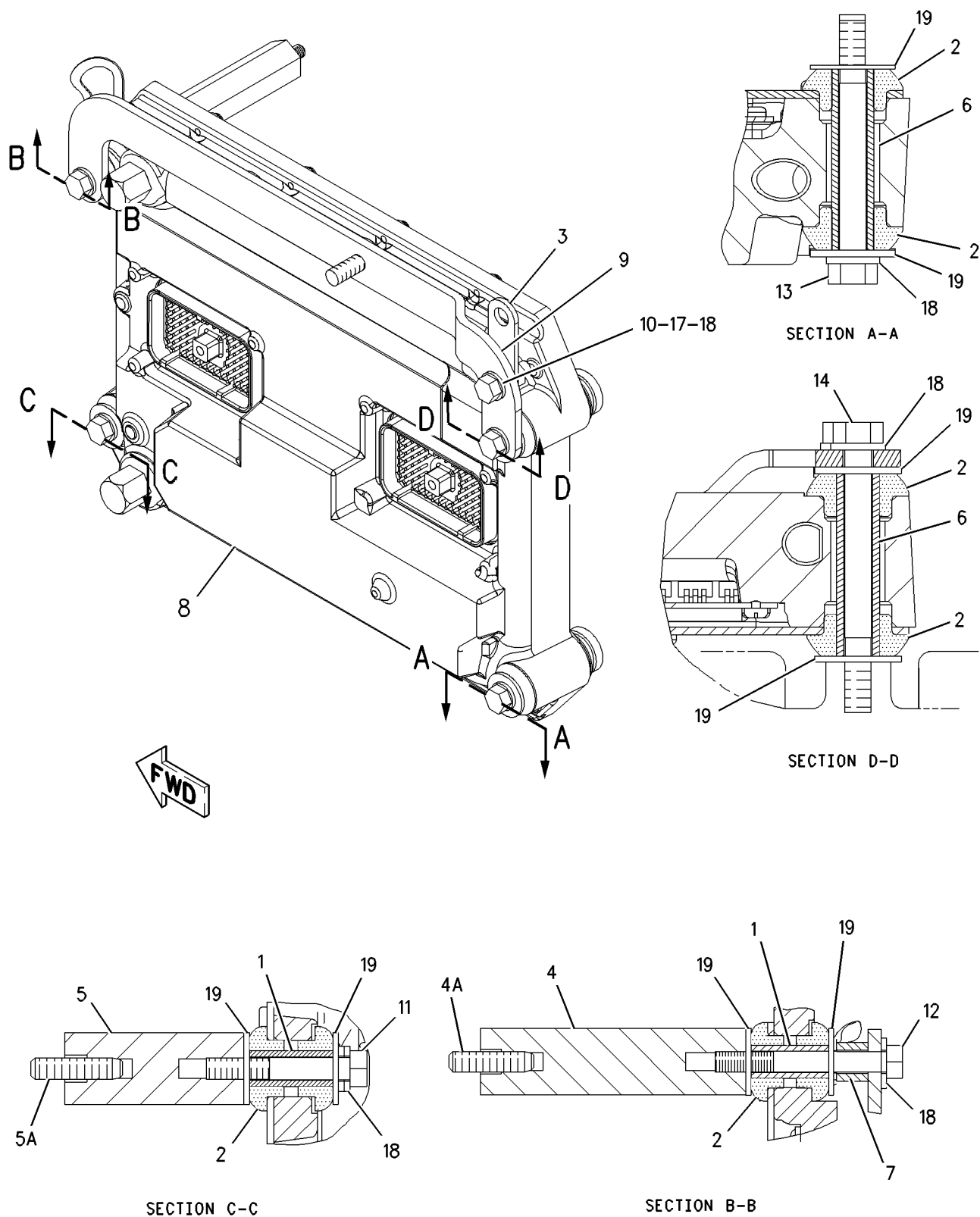
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	6I-1418	2	SPACER (8.2X12.7X28.7MM THK)	
	2	1	8T-9655	8	MOUNT (ISOLATION)	
	3	1	118-7809	1	PLATE	
	4	1	155-0696	1	SUPPORT AS	
	4A	1	5L-3708	1	STUD-TAPERLOCK	
	5	1	155-0698	1	SUPPORT AS	
	5A	1	5L-3708	1	STUD-TAPERLOCK	
	6	1	168-4594	2	SPACER	
	7	1	175-1367	1	SPACER (8.8X16X10MM THK)	
Y	8	1	178-3091	1	CONTROL GP-ENGINE ELECTRONIC	134
	9	1	190-7645	1	PLATE AS	
	10	1	0S-1618	1	BOLT (5/16-18X1 IN)	
	11	1	1B-9575	2	BOLT (5/16-18X1.75 IN)	
	12	1	1D-4539	1	BOLT (5/16-18X2.5 IN)	
	13	1	1D-4540	1	BOLT (5/16-18X2.75 IN)	
	14	1	1D-4541	1	BOLT (5/16-18X3 IN)	
	17	1	5S-0003	1	NUT (5/16-18 THD)	
	18	1	9M-1974	6	WASHER-HARD (8.8X16X2MM THK)	
	19	1	9N-0869	8	WASHER-HARD (8.8X25.5X2MM THK)	

Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

188-1758 CONTROL & MTG GP-ENGINE ELEK (contd.)

i01625546



GRAPHIC #1

g00841570

ELECTRICAL AND STARTING SYSTEM

178-3091 CONTROL GP-ENGINE ELECTRONIC

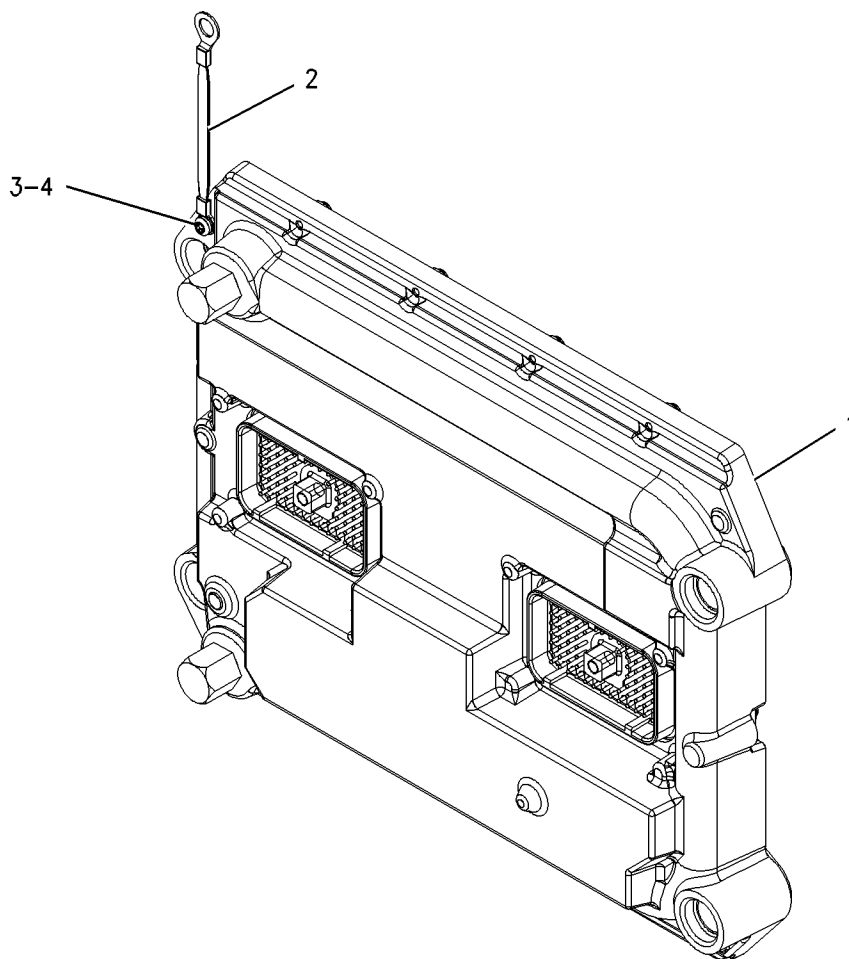
S/N: BNT1-UP

PART OF 188-1758 CONTROL & MTG GP-ENGINE ELEK
AN ATTACHMENT

SMCS-1901

i01265349

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	179-9850	1	CONTROL GP-ENGINE ELECTRONIC						
	2	1	7X-6315	1	STRAP-GROUNDING						
	3	1	134-4126	1	WASHER (.76MM THK)						
	4	1	184-2472	1	SCREW-PAN HEAD						



GRAPHIC #1

g00673185

ELECTRICAL AND STARTING SYSTEM

172-9389 CONTROL GP-UNPROGRAMMED

S/N: BPC1-UP

POWER TRAIN

PART OF 203-1603 WIRING GP-ELECTRONIC CONTROL

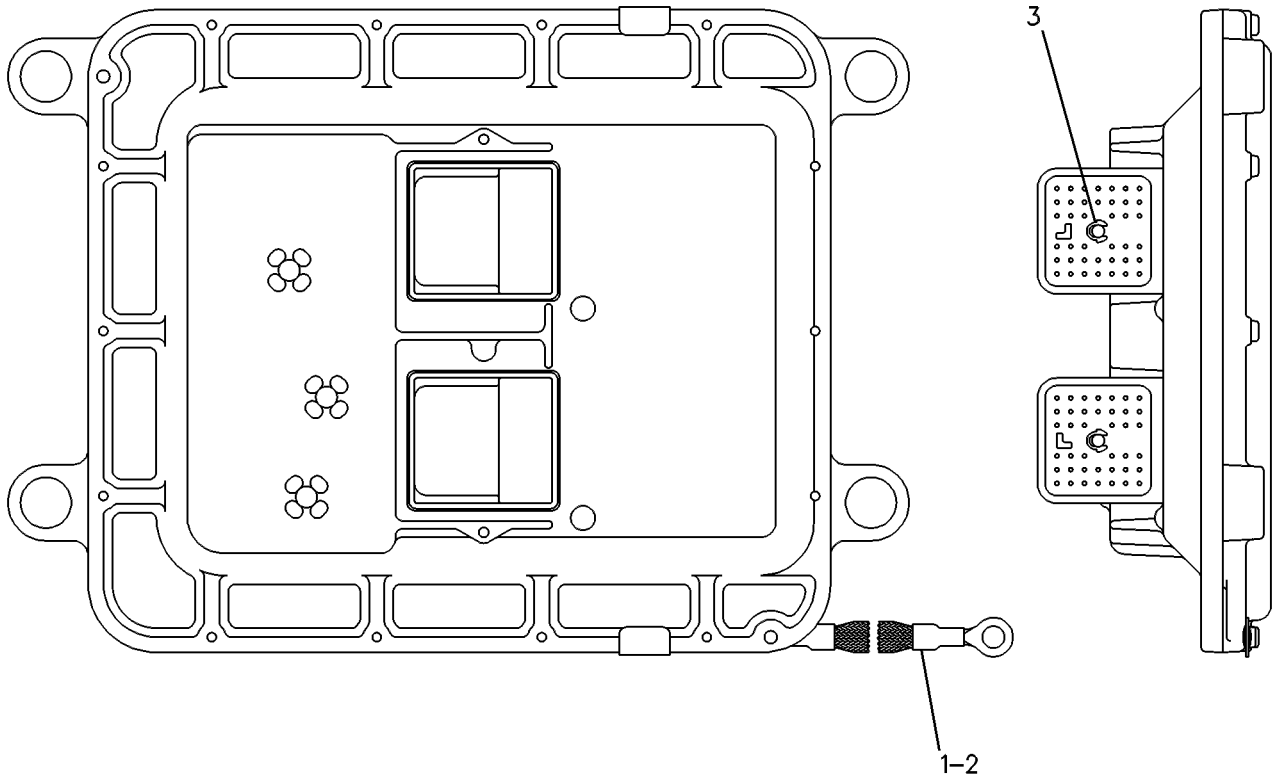
SMCS-7610

i01273399

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	7X-6315	1	STRAP-GROUNDING	
	2	1	101-0852	1	SCREW-PAN HEAD (NO 8 X 3/8 IN)	
M	3	1	6V-6703	2	KIT-RETAINING BOLT (EACH INCLUDES BOLT, RING, AND SEALS)	

FOR SOFTWARE, SEE ELECTRONICS GP

M-METRIC PART



GRAPHIC #1

g00087166

ELECTRICAL AND STARTING SYSTEM

172-9391 CONTROL GP-UNPROGRAMMED

S/N: BPC1-UP

PART OF 203-1603 WIRING GP-ELECTRONIC CONTROL

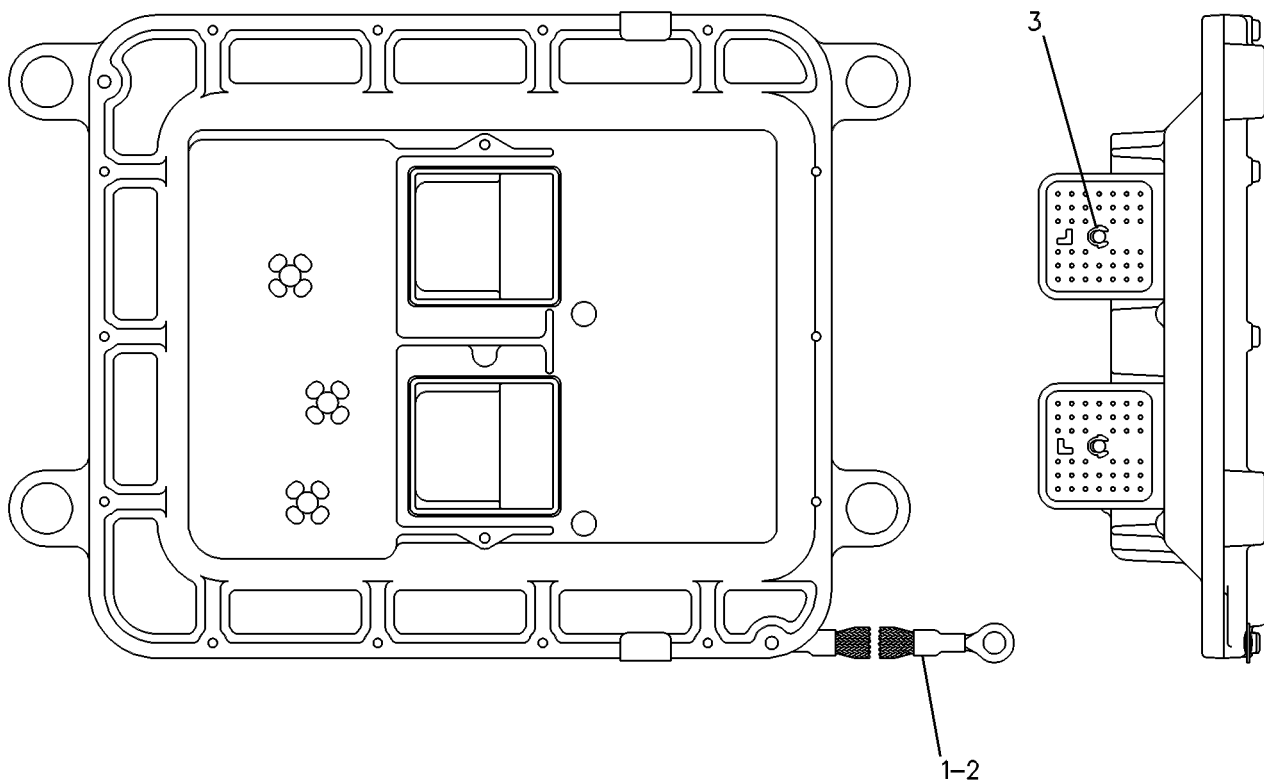
SMCS-7610

i01591118

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	7X-6315	1	STRAP AS	
	2	1	101-0852	1	SCREW-PAN HEAD (NO 8 X 3/8 IN)	
M	3	1	6V-6703	2	KIT-RETAINING BOLT (UNPROGRAMMED CONTROL) (INCLUDES BOLT, RING, AND SEALS)	

FOR SOFTWARE, SEE ELECTRONICS GP

M-METRIC PART



GRAPHIC #1

g00087166

ELECTRICAL AND STARTING SYSTEM

203-1580 ELECTRICAL AR

S/N: BPC1-UP

PART OF 203-1565 COMMON AR

SMCS-1408, 1429, 7402, 7406

i01628421

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	114-5179	1	BATTERY & WIRING GP						128
Y	204-8694	1	ELECTRONICS GP-IMPLEMENT						138
Y	204-9890	1	ELECTRONICS GP-MONITOR (CATERPILLAR MONITORING SYSTEM)						139
Y	204-8697	1	ELECTRONICS GP-POWER TRAIN						140
Y	153-0124	1	FASTENER GP-ELECTRONICS						144
Y	114-5186	1	LIGHTING GP-FLOOD						160
Y	109-6904	1	WARNING GP-BACKUP						200
Y	114-5143	1	WIRING GP-BUMPER						202
Y	203-1603	1	WIRING GP-ELECTRONIC CONTROL						210
Y	203-0973	1	WIRING GP-ENGINE						218
Y	143-3690	1	WIRING GP-FRONT						220
Y	203-1598	1	WIRING GP-MACHINE						222
Y	203-1602	1	WIRING GP-POWER TRAIN						228
Y	114-5183	1	WIRING GP-REAR						230
Y	163-3997	1	WIRING GP-SHUTOFF (GROUND LEVEL-VIDS)						232
Y-SEPARATE ILLUSTRATION									

ELECTRICAL AND STARTING SYSTEM

204-8694 ELECTRONICS GP-IMPLEMENT

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-7610, 7620

i01622772

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	134-3379	1	FILM-INFORMATION						
			(NOT SERVICED SEPARATELY-FACTORY INSTALLED)						
	204-8028	1	SOFTWARE GP-IMPLEMENT						
			NOTE: 204-8029 SERVICE GP-IMPLEMENT IS AVAILABLE						
			NOTE: THIS ELECTRONICS GP CONTAINS SOFTWARE FOR CONTROL GP-UNPROGRAMMED (IMPLEMENT)						

ELECTRICAL AND STARTING SYSTEM

204-9890 ELECTRONICS GP-MONITOR

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-7490, 7601, 7603, 7620

i01622770

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	134-3379	1	FILM-INFORMATION						
			(NOT SERVICED SEPARATELY-FACTORY INSTALLED)						
	204-9870	1	SOFTWARE GP-MONITOR						
			(CATERPILLAR MONITORING SYSTEM)						
			NOTE: 204-9871 SERVICE GP-CATERPILLAR						
			MONITORING SYSTEM IS AVAILABLE						
			NOTE: THIS ELECTRONICS GP CONTAINS SOFRTWARE FOR						
			CONTROL GP UNPROGRAMMED (CAT MONITORING SYSTEM)						

ELECTRICAL AND STARTING SYSTEM

204-8697 ELECTRONICS GP-POWER TRAIN

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-4808, 7620

i01622776

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	134-3379	1	FILM-INFORMATION						
			(NOT SERVICED SEPARATELY-FACTORY INSTALLED)						
	204-8003	1	SOFTWARE GP-POWER TRAIN						
			NOTE: 204-8004 SERVICE GP-POWER TRAIN IS AVAILABLE						
			NOTE: THIS ELECTRONICS GP CONTAINS SOFTWARE FOR CONTROL GP-UNPROGRAMMED (POWER TRAIN)						

MEMORANDA

ELECTRICAL AND STARTING SYSTEM

134-6724 ENCLOSURE GP-WIRING

S/N: BPC1-UP

PART OF 203-1603 WIRING GP-ELECTRONIC CONTROL

SMCS-1408

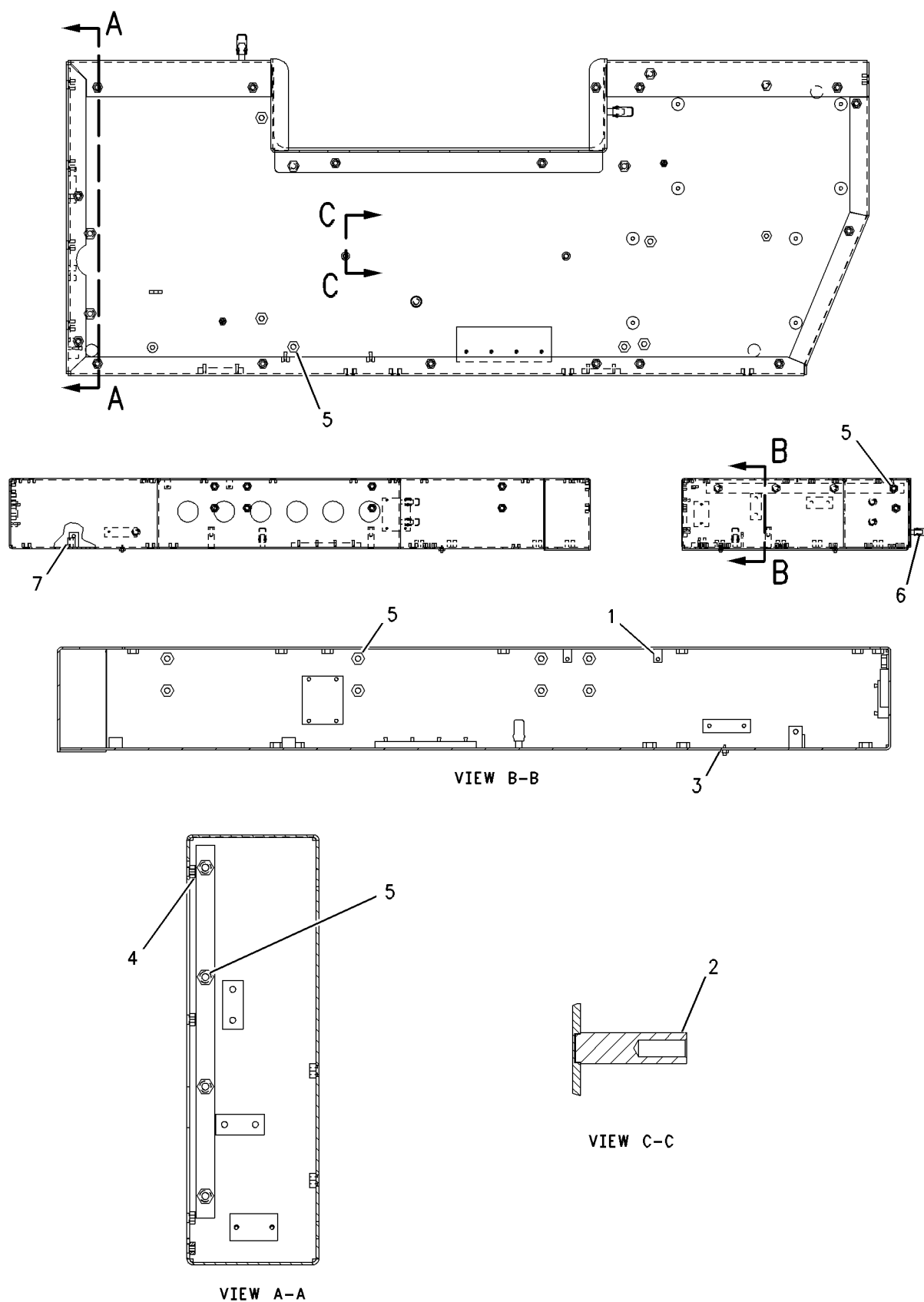
i01505564

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	095-2887	2	PLATE	
	2	1	151-0961	2	BOSS	
M	3	1	6V-9632	2	NUT-WELD (M6X1 THD)	
M	4	1	8T-3490	19	NUT-WELD (M10X1.5 THD)	
M	5	1	8T-3597	25	NUT-WELD (M12X1.75 THD)	
M	6	1	8T-3635	4	STUD (M12X1.75X34.93MM)	
	7	1	9R-2613	1	BOSS (M10X25MM)	
M-METRIC PART						

ELECTRICAL AND STARTING SYSTEM

134-6724 ENCLOSURE GP-WIRING (contd.)

i01505564



GRAPHIC #1

g00783128

ELECTRICAL AND STARTING SYSTEM

153-0124 FASTENER GP-ELECTRONICS

S/N: BPC1-UP

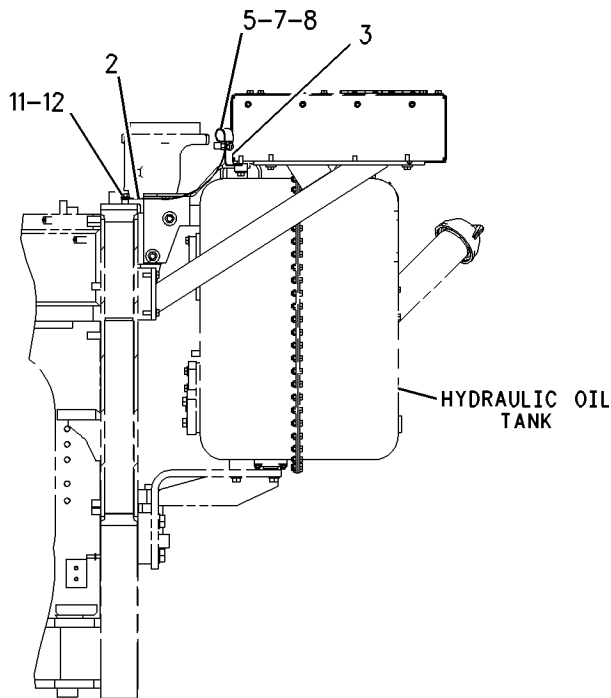
PART OF 203-1580 ELECTRICAL AR

SMCS-7553

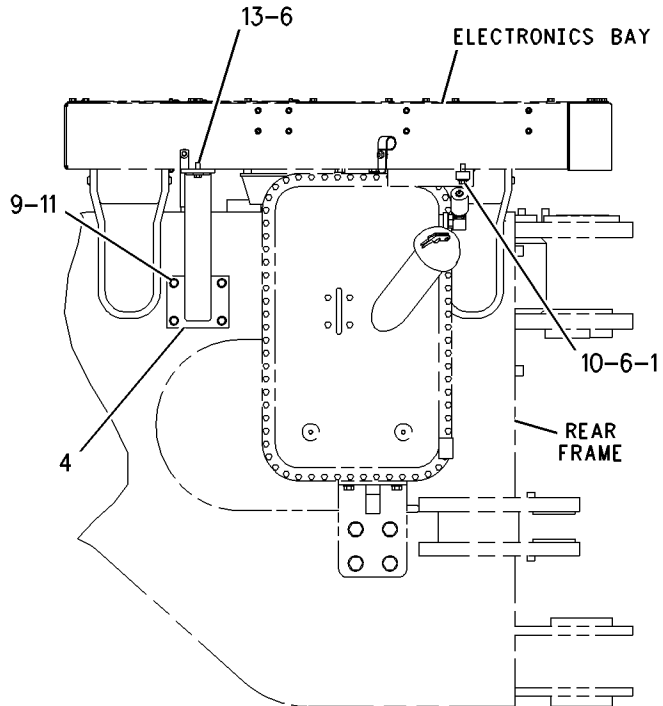
i01369883

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4S-8875	2	SPACER (22.63MM THK)						
	2	1	6Y-6584	1	STRAP AS-GROUND						
	3	1	127-4667	1	STRIP AS						
	4	1	153-9149	1	PLATE AS						
	5	1	4D-7388	1	CLIP						
	6	1	5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
	7	1	8T-4121	1	WASHER-HARD (2.5MM THK)						
M	8	1	8T-4137	1	BOLT (M10X1.5X20MM)						
M	9	1	8T-4183	4	BOLT (M12X1.75X40 MM)						
M	10	1	8T-4194	2	BOLT (M12X1.75X50MM)						
	11	1	8T-4223	6	WASHER-HARD (3.0MM THK)						
M	12	1	8T-4244	2	NUT (M12X1.75 THD)						
M	13	1	8T-4956	2	BOLT (M12X1.75X35MM)						

M-METRIC PART



REAR VIEW OF MACHINE



RIGHT SIDE VIEW OF MACHINE

GRAPHIC #1

g00723071

ELECTRICAL AND STARTING SYSTEM

155-5196 HEATER AR-FUEL

S/N: BPC1-UP

AN ATTACHMENT

SMCS-1296

i01083645

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	139-6116	1	HEATER GP-FUEL						146
	4H-9027	2	PLUG-PIPE (2-11 1/2 NPTF THD)						
	123-6305	1	CAP AS-FUEL TANK						
Y-SEPARATE ILLUSTRATION									

ELECTRICAL AND STARTING SYSTEM

139-6116 HEATER GP-FUEL

S/N: BPC1-UP

PART OF 139-6115 FUEL AR-HEATER & FAST FILL, 155-5196 HEATER AR-FUEL
AN ATTACHMENT

SMCS-1296

i01625838

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
E	1	2	5P-0767		HOSE (52CM)						
E	2	1	5P-0767		HOSE (305CM)						
	3	1,2	3K-7928	2	ELBOW						
	4	1,2	7D-7026	2	CONNECTOR-HOSE						
	5	1,2	8L-6005	2	TEE-PIPE						
	6	1	8S-0948	1	CLIP						
	7	2	8T-0081	1	VALVE-BALL						
I	8	2	8W-5428	1	HOSE AS						
	9	1,2	9N-3666	2	VALVE AS						
	10	2	9W-8394	1	ORIFICE						
	11	1,2	9X-2488	8	CLAMP-HOSE						
	12	2	111-9289	1	HEATER AS						
		2	2M-9780	2	SEAL-O-RING						
		2	111-9827	2	ADAPTER						
	13	2	160-6381	1	PLATE						
I	14	2	171-5469	1	HOSE AS						
	15	2	148-8342	1	CONNECTOR GP						
		2	6V-8632	1	CONNECTOR						
		2	3K-0360	1	SEAL-O-RING						
		2	7J-9108	1	SEAL-O-RING						
	16	2	150-4048	2	ELBOW GP						
					(EACH INCLUDES)						
		2	6V-8722	1	ELBOW						
		2	3K-0360	1	SEAL-O-RING						
		2	7J-9108	1	SEAL-O-RING						
	17	1	3B-7255	1	BUSHING-REDUCING						
	18	2	5M-3062	4	BOLT (3/8-16X0.75 IN)						
	19	2	6B-4661	1	BUSHING-REDUCER						
	20	1,2	6D-1641	6	CLIP						
	21	2	1S-0994	1	CLIP						
	22	1	8B-2664	1	BUSHING-REDUCER						
E	23	2	5P-0767		HOSE (35CM)						
E	24	1	5P-0767		HOSE (327CM)						
	25	2	8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)						

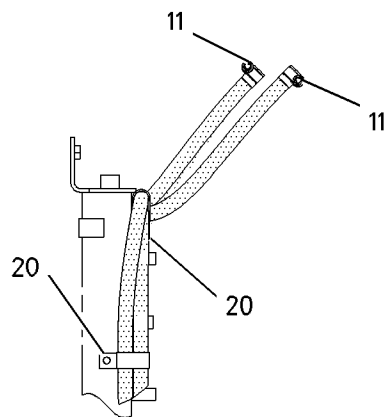
E-ORDER BY THE CENTIMETER
I-SEE HOSE FABRICATION GUIDE

ELECTRICAL AND STARTING SYSTEM

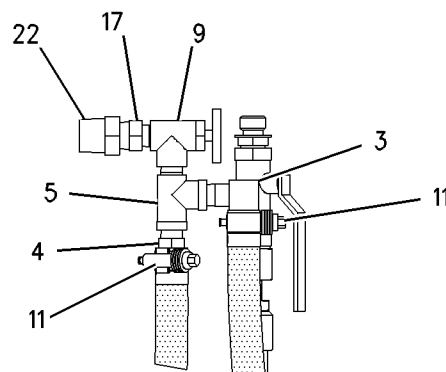
139-6116 HEATER GP-FUEL (contd.)

i01625838

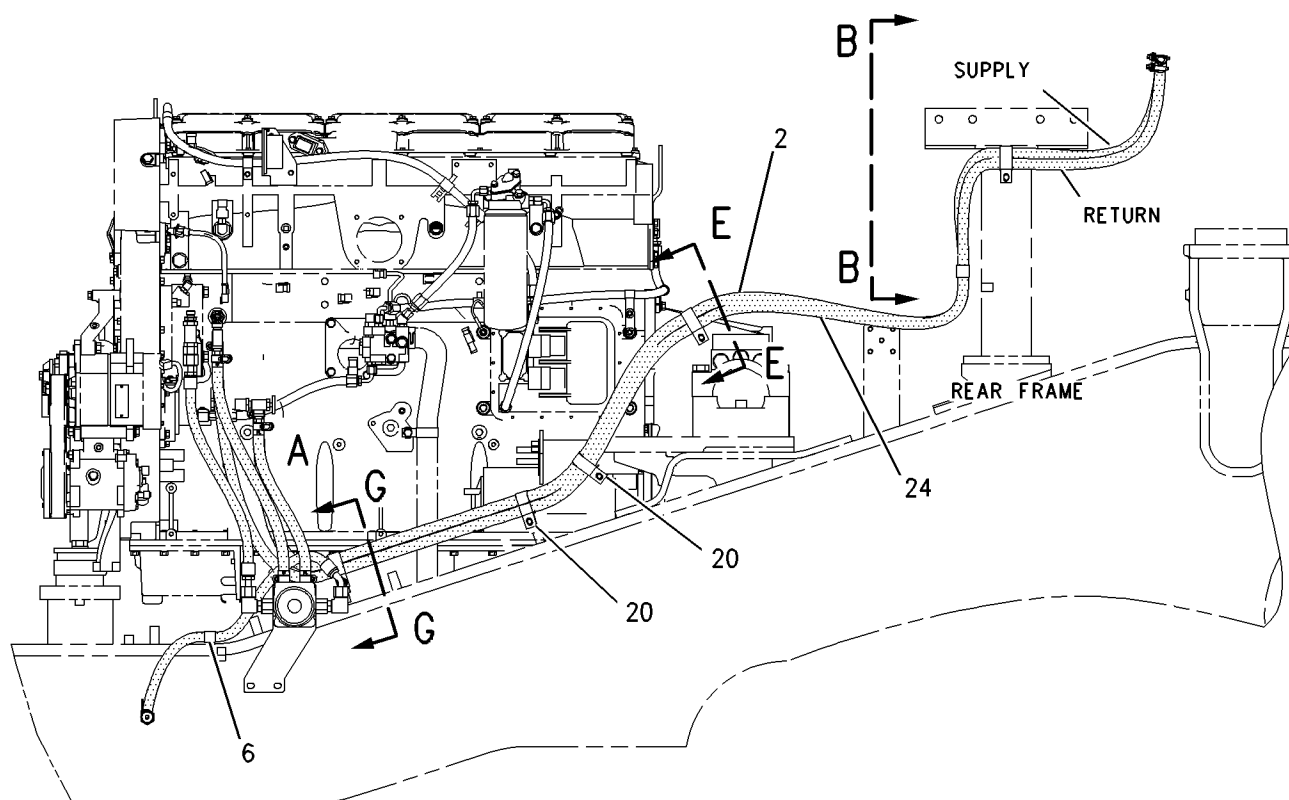
REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



VIEW B-B



VIEW OF AREA D



RIGHT SIDE VIEW

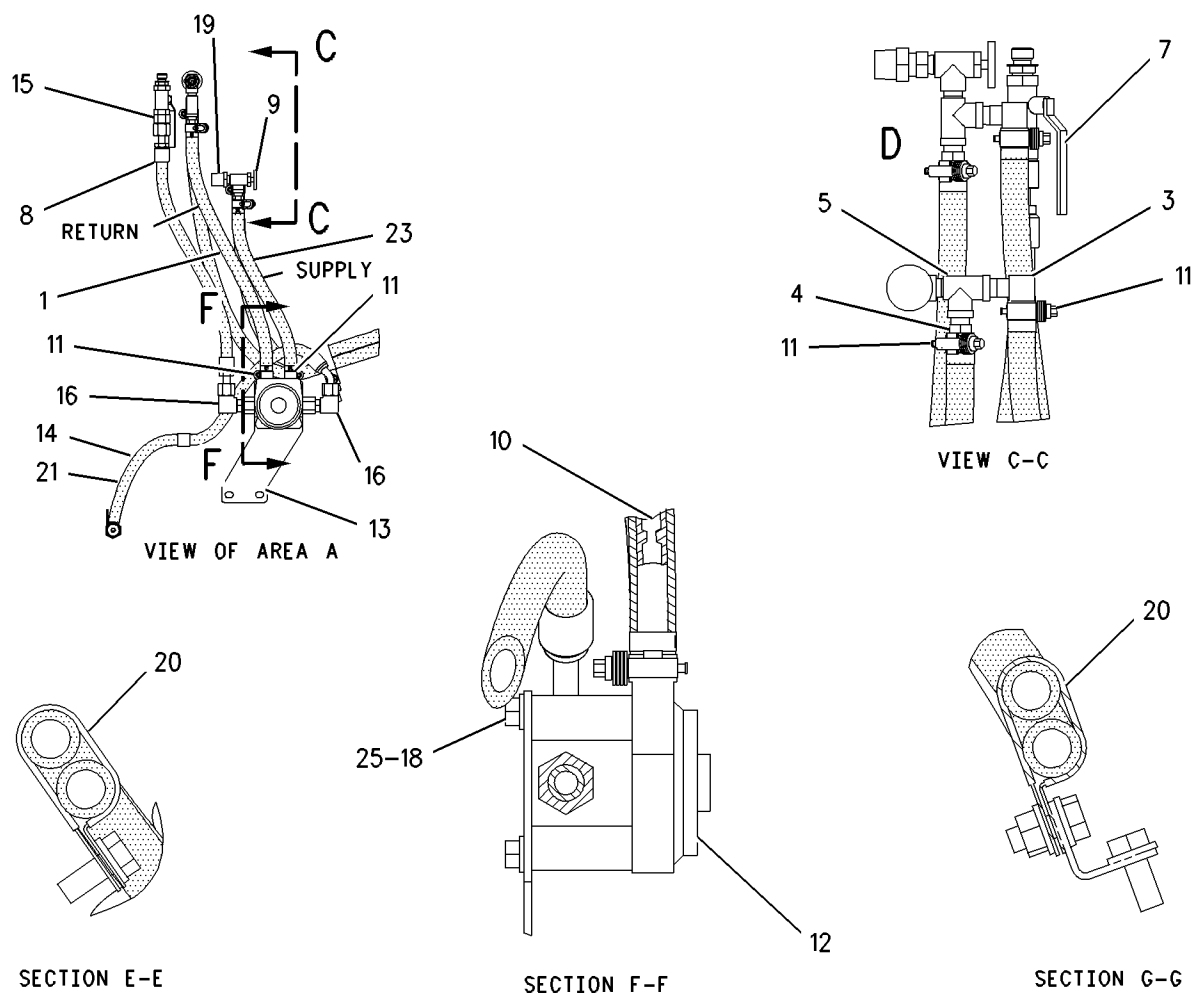
GRAPHIC #1

g00841760

ELECTRICAL AND STARTING SYSTEM

139-6116 HEATER GP - FUEL (contd.)

i01625838



GRAPHIC #2

g00841761

ELECTRICAL AND STARTING SYSTEM

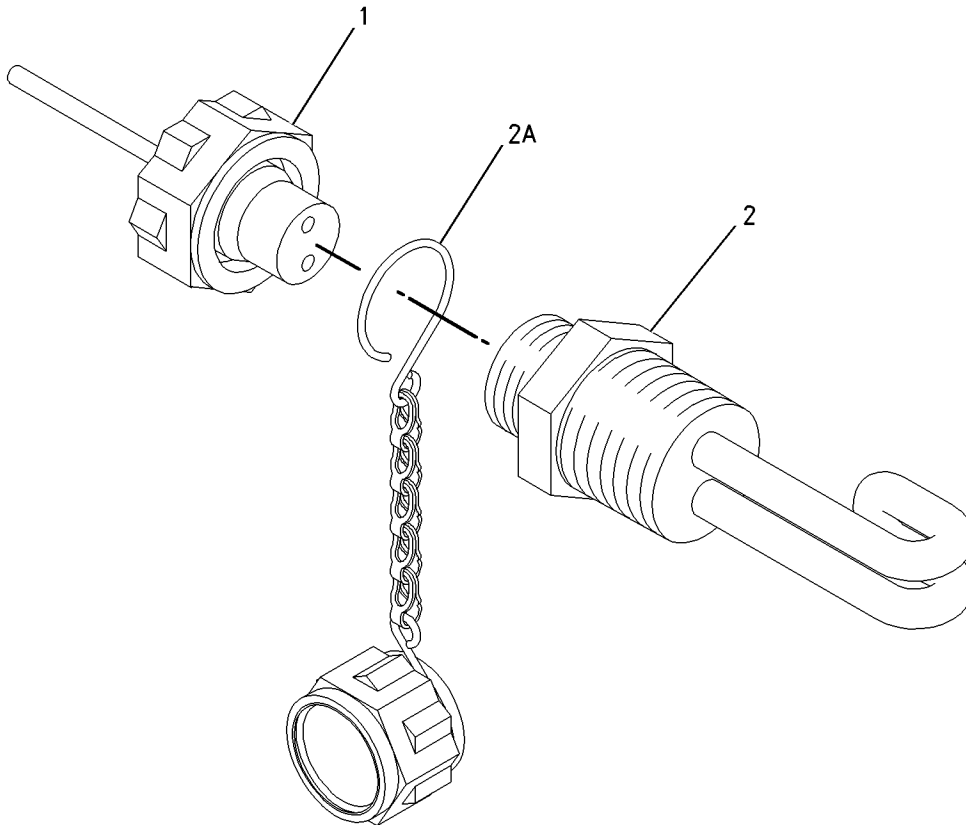
190-3132 HEATER GP-JACKET WATER

S/N: BPC1-UP
1500 WATT, 220 VOLT
AN ATTACHMENT

SMCS-1383

i01620054

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4N-8227	1	CORD AS-HEATER						
C	2	1	207-6901	1	ELEMENT AS (1500 WATT-220 VOLT)						
	2A	1	133-6517	1	CAP AS-DUST						
C-CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

g00841521

ELECTRICAL AND STARTING SYSTEM

207-7030 HEATER GP-JACKET WATER

S/N: BPC1-UP

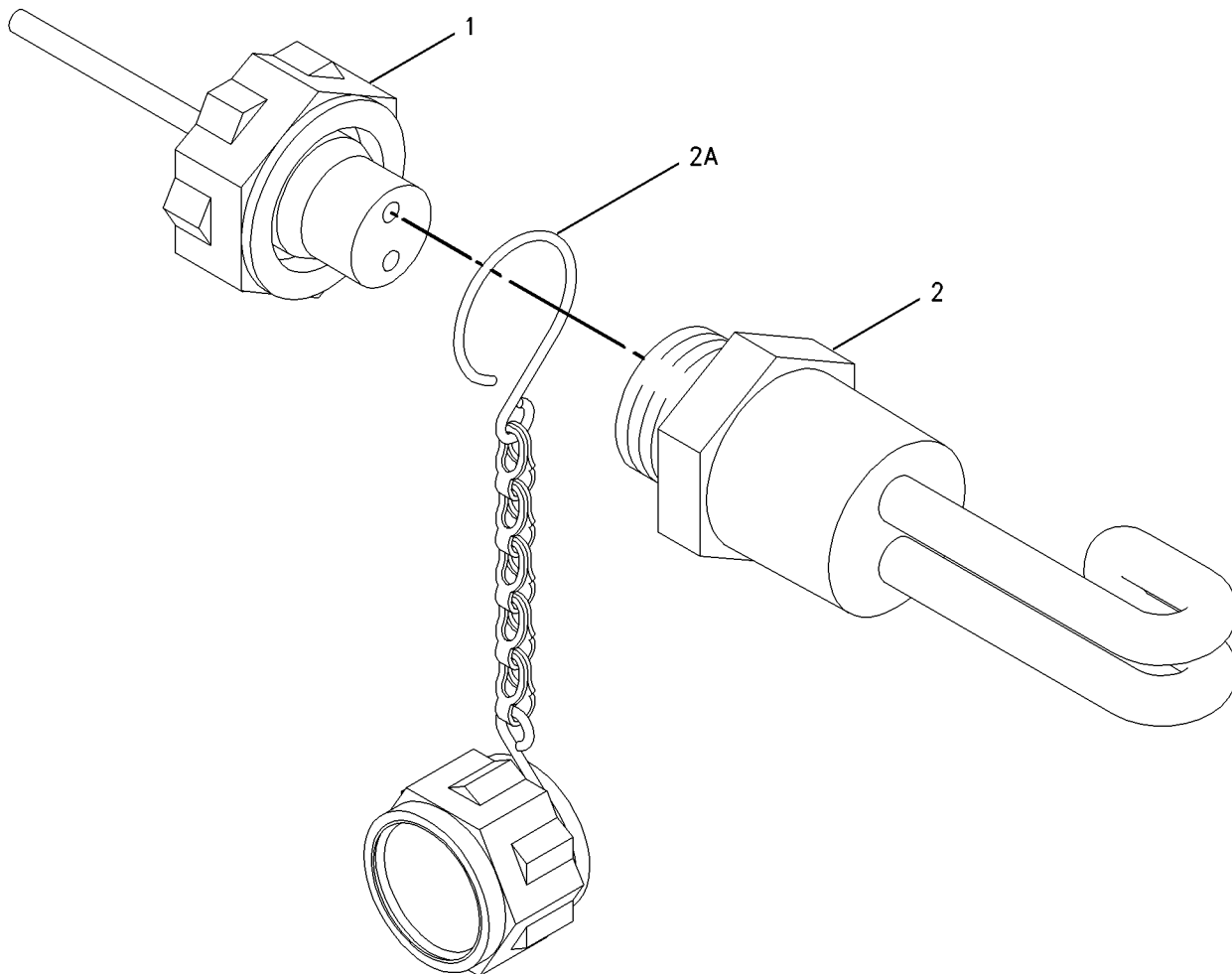
120 VOLT/1500 WATT

FOR USE WITH ENGINES REQUIRING A 110 VOLT HEATER ASSEMBLY THAT IS SHORTER THAN THE
STANDARD HEATER
AN ATTACHMENT

SMCS-1383

i01608101

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9N-5253	1	CORD AS-HEATER (WATER JACKET)						
	2	1	207-7025	1	ELEMENT AS						
	2A	1	133-6517	1	CAP AS-DUST						



GRAPHIC #1

g00840607

ELECTRICAL AND STARTING SYSTEM

3E-6389 LAMP GP-DOME

S/N: BPC1-UP

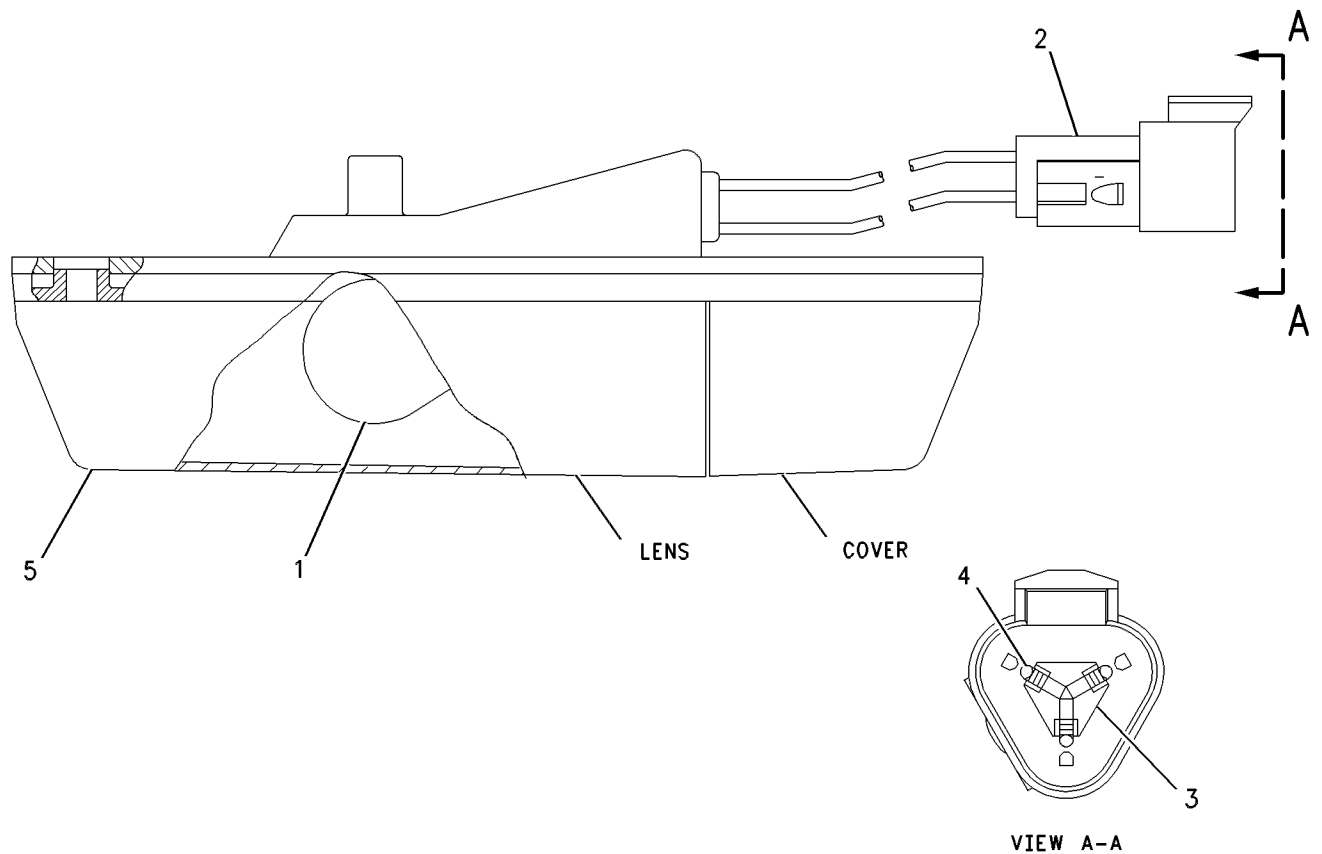
24 VOLT. WITH SWITCH

PART OF 144-2622 PANEL GP-INSTRUMENT

SMCS-1433

i01590533

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-9943	1	LAMP (24 VOLT) (DOME)						
	2	1	102-8803	1	KIT-RECEPTACLE (3 PIN) (DOME LAMP)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	3	1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)						
	4	1	8T-8729	3	PIN-CONNECTOR						
	5	1	7T-0020	1	LENS-DOME LAMP						



GRAPHIC #1

g00647928

ELECTRICAL AND STARTING SYSTEM

147-0319 LAMP GP-FLOOD

S/N: BPC1-UP

24 VOLT. SUSPENDED

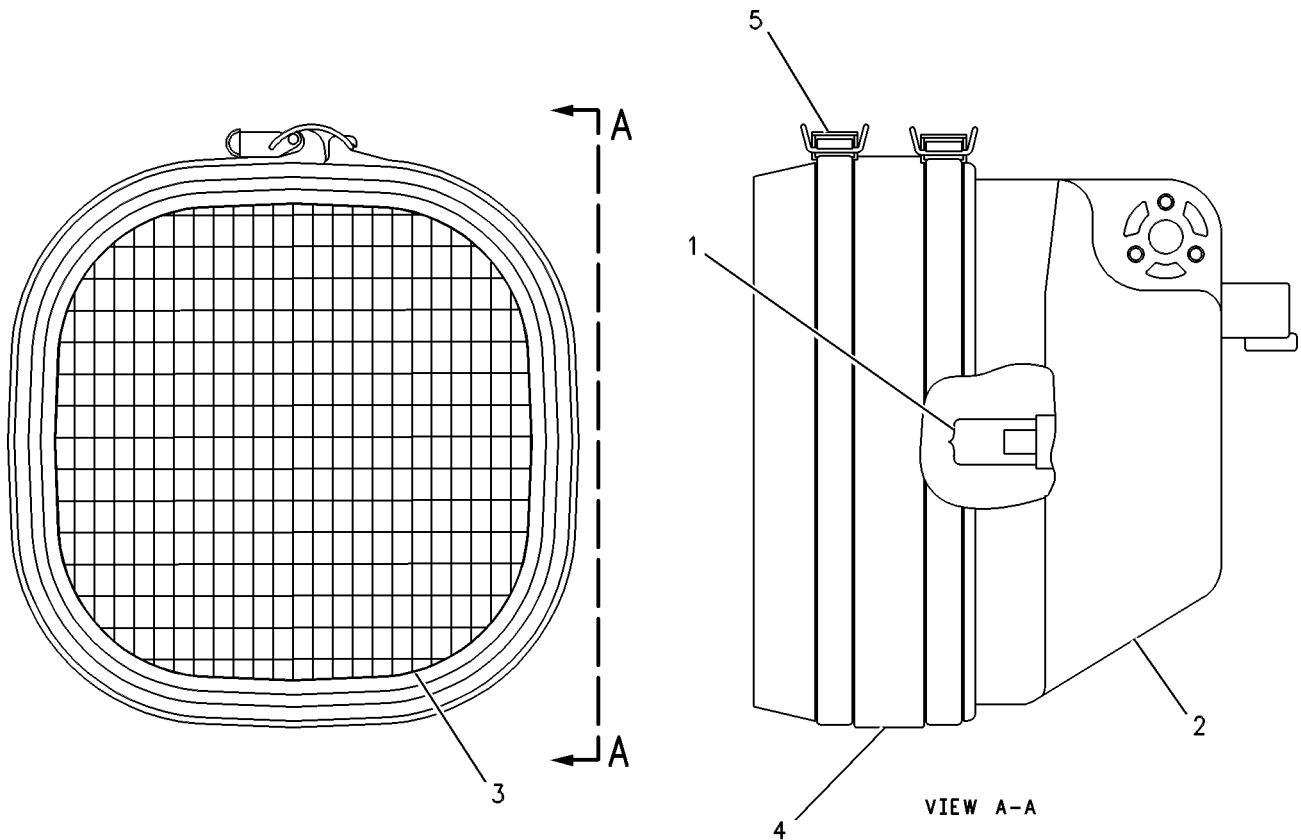
PART OF 152-9027, 152-9028 LIGHTING GP-FLOOD

ALSO AN ATTACHMENT

SMCS-1434

i01626110

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-3463	1	LAMP (24 VOLT) (FLOOD) (ENGINE WORK)						
	2	1	158-0250	1	BODY AS-LAMP						
	3	1	158-0248	1	LENS AS (FLOODLIGHT) (ENGINE WORK)						
	4	1	158-0252	1	BEZEL						
	5	1	188-8849	2	CLAMP						



GRAPHIC #1

g00458549

ELECTRICAL AND STARTING SYSTEM

153-2073 LAMP GP-FLOOD

S/N: BPC1-UP

24 VOLT. VERTICAL

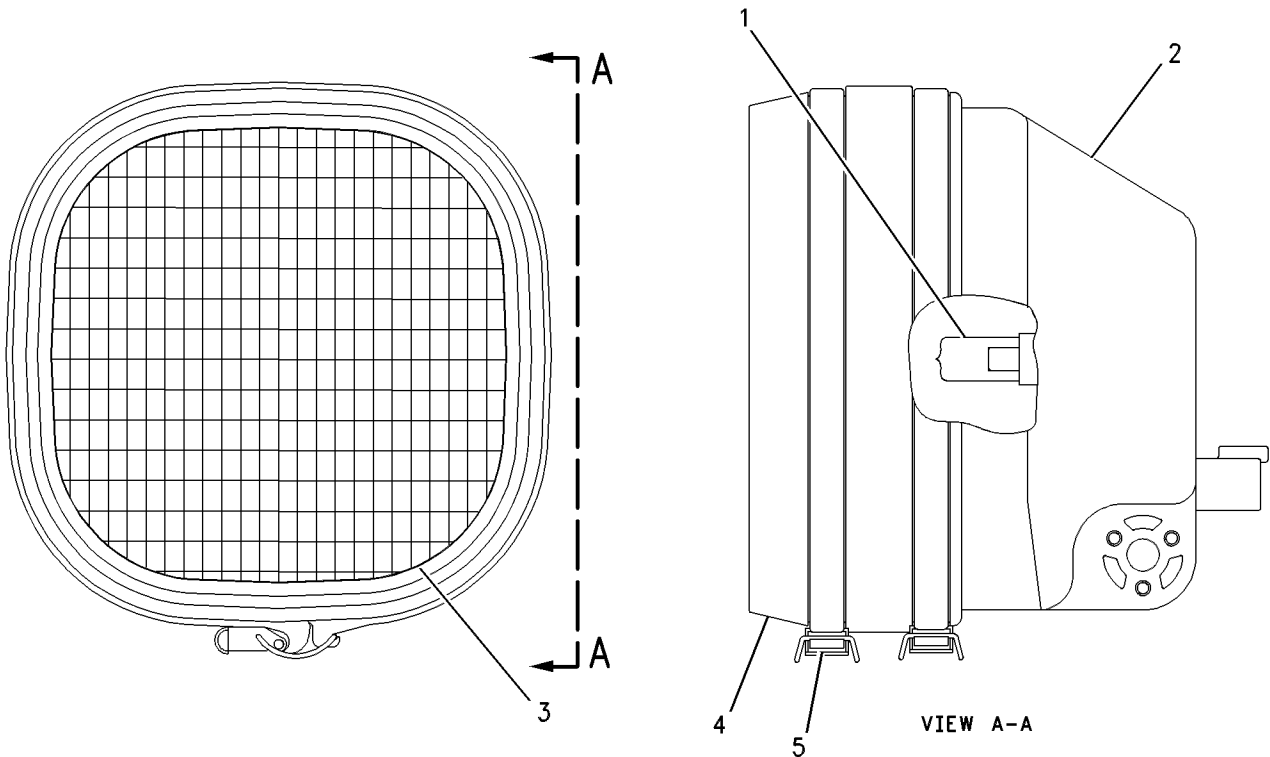
PART OF 114-5186, 143-3600 LIGHTING GP-FLOOD, 143-8943 LIGHTING GP-FLOOD & SIGNAL

ALSO AN ATTACHMENT

SMCS-1434

i01626112

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-3463	1	LAMP (24 VOLT) (FLOOD) (LADDER/BACKUP)						
	2	1	158-0250	1	BODY AS-LAMP						
	3	1	158-0248	1	LENS AS (FLOODLIGHT) (LADDER/BACKUP)						
	4	1	158-0252	1	BEZEL						
	5	1	188-8849	2	CLAMP						



GRAPHIC #1

g00449633

ELECTRICAL AND STARTING SYSTEM

135-0426 LAMP GP-SIGNAL-STOP/TAIL

S/N: BPC1-UP

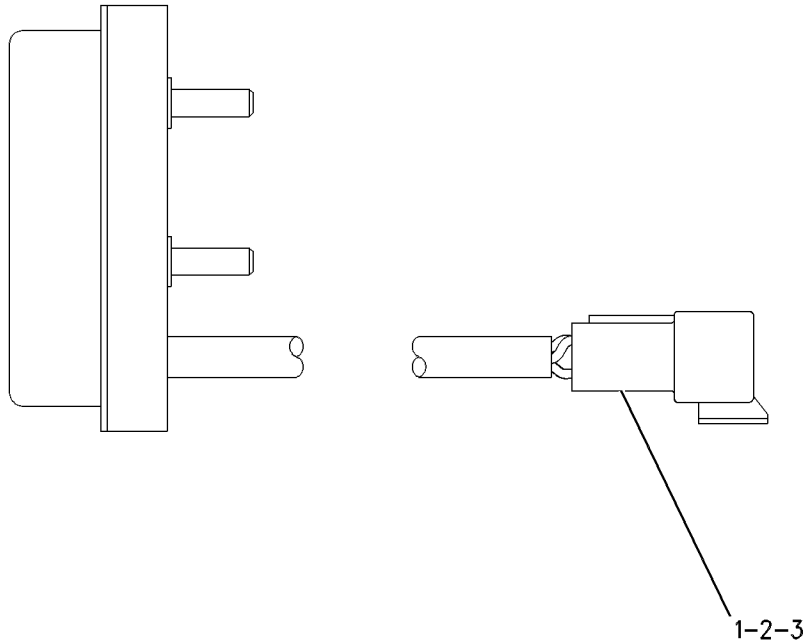
24 VOLT

PART OF 143-8943 LIGHTING GP-FLOOD & SIGNAL, 8R-5645 LIGHTING GP-STOP
AN ATTACHMENT

SMCS-1430

i01626120

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8803	1	KIT-RECEPTACLE (3 PIN) (STOP/TAIL LAMP)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	2	1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)						
	3	1	186-3735	3	PIN-CONNECTOR						



GRAPHIC #1

g00305543

ELECTRICAL AND STARTING SYSTEM

199-3368 LAMP GP-SIGNAL

S/N: BPC1-UP

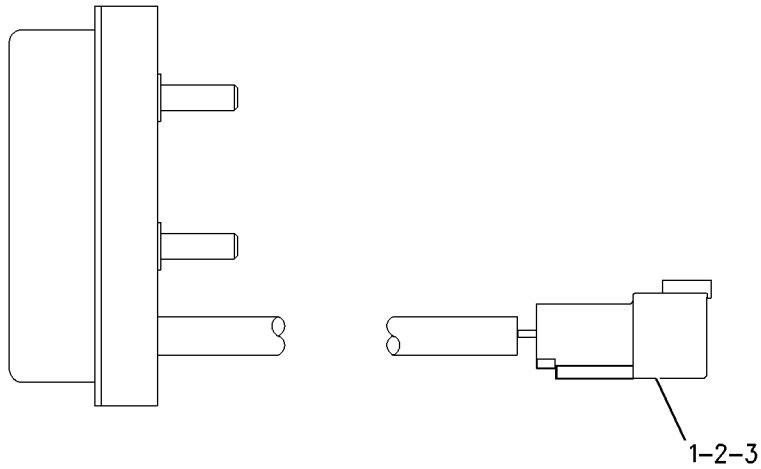
24 VOLT

PART OF 143-8943 LIGHTING GP-FLOOD & SIGNAL
AN ATTACHMENT

SMCS-1430

i01497390

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
	2	1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
	3	1	186-3735	2	PIN-CONNECTOR	



GRAPHIC #1

g00777463

ELECTRICAL AND STARTING SYSTEM

128-6983 LAMP GP-WARNING BEACON

S/N: BPC1-UP

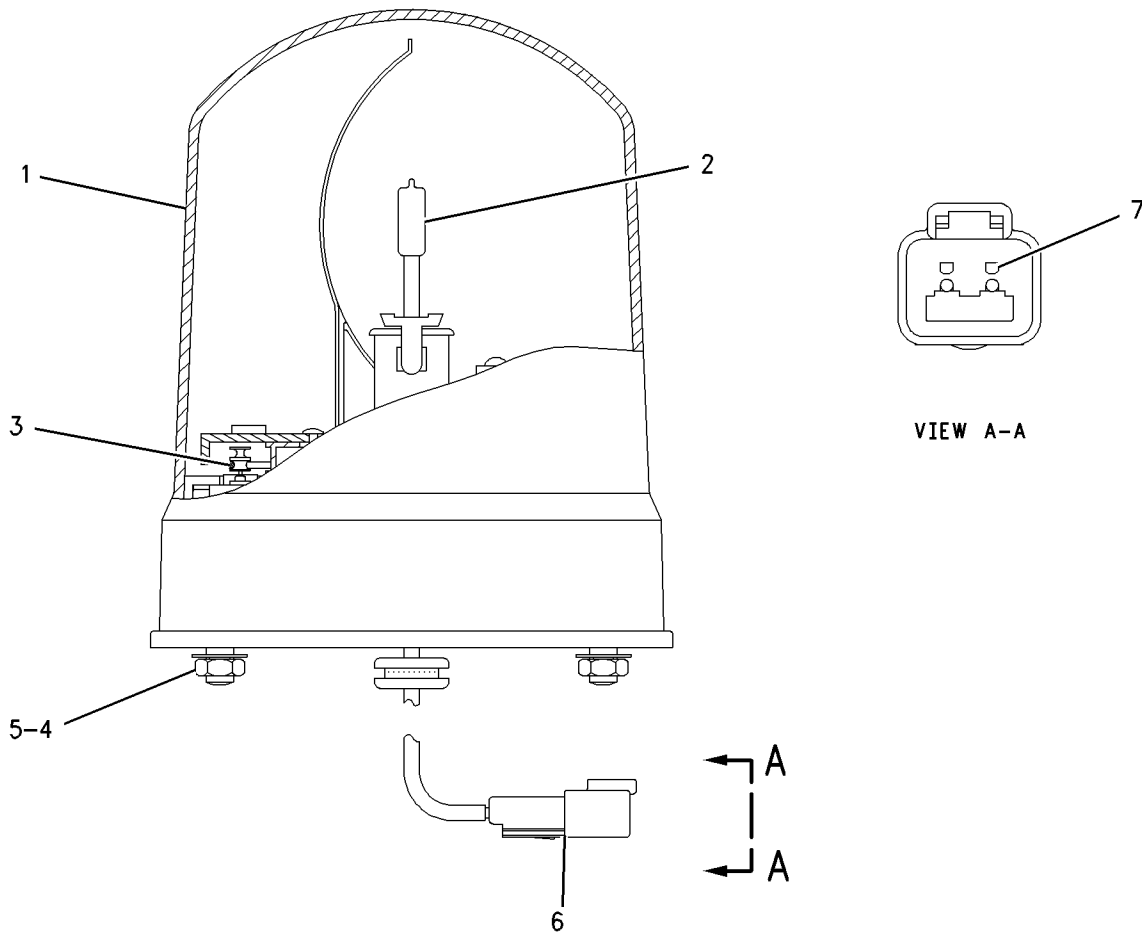
24 VOLT. AMBER , W/O REGULATOR

PART OF 190-3980 LIGHTING GP-WARNING
AN ATTACHMENT

SMCS-1431

i01455898

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	9X-8121	1	LENS-AMBER (WARNING BEACON)						
	2	1	9X-7849	1	LAMP (WARNING BEACON)						
	3	1	9X-8139	1	BELT-DRIVE (WARNING BEACON)						
	4	1	6V-8225	3	NUT (M6X1 THD)						
	5	1	5P-0537	3	WASHER-HARD (7.2X14.5X2MM THK)						
	6	1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
	(INCLUDES RECEPTACLE AS AND WEDGE)										
7	1	8T-8729	2	PIN-CONNECTOR							
M-METRIC PART											



GRAPHIC #1

g00711055

ELECTRICAL AND STARTING SYSTEM

143-8942 LIGHTING AR-FLOOD & SIGNAL

S/N: BPC1-UP

AN ATTACHMENT

SMCS-1430, 1434

i00953297

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	143-8943	1	LIGHTING GP-FLOOD & SIGNAL						168
Y	154-6699	1	SWITCH GP-SIGNAL						198
Y-SEPARATE ILLUSTRATION									

ELECTRICAL AND STARTING SYSTEM

143-3766 LIGHTING AR-STOP & FLOOD

S/N: BPC1-UP
AN ATTACHMENT

SMCS-1432, 1434

i00953293

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	143-3600	1	LIGHTING GP-FLOOD						162
Y	8R-5645	1	LIGHTING GP-STOP						171
Y-SEPARATE ILLUSTRATION									

MEMORANDA

ELECTRICAL AND STARTING SYSTEM

114-5186 LIGHTING GP-FLOOD

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-1434

i01412014

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3S-2093	6	STRAP-CABLE						
	2	1	8R-7102	2	BRACKET AS						
					(EACH INCLUDES)						
M		1	6V-9632	1	NUT-WELD (M6X1 THD)						
	3	1	140-1088	4	BRACKET AS						
					(EACH INCLUDES)						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
	4	1	141-8713	1	HARNESS AS-LIGHTING (FLOOD)						
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN)						
					(INCLUDES PLUG AS & WEDGE)						
Y	5	1	153-2073	4	LAMP GP-FLOOD (24 VOLT) (VERTICAL)						153
	6	1	2V-3216	2	CLIP						
M	7	1	5C-7261	4	NUT (M8X1.25 THD)						
M	8	1	5C-9553	2	BOLT (M6X1X16MM)						
	9	1	5P-8439	2	GROMMET						
	10	1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)						
M	11	1	8T-4137	8	BOLT (M10X1.5X20MM)						
	12	1	8T-4224	8	WASHER-HARD (8.8X16X2MM THK)						
M	13	1	8T-6869	4	BOLT (M8X1.25X60MM)						
	14	1	9X-8256	2	WASHER (6.6X12X2MM THK)						

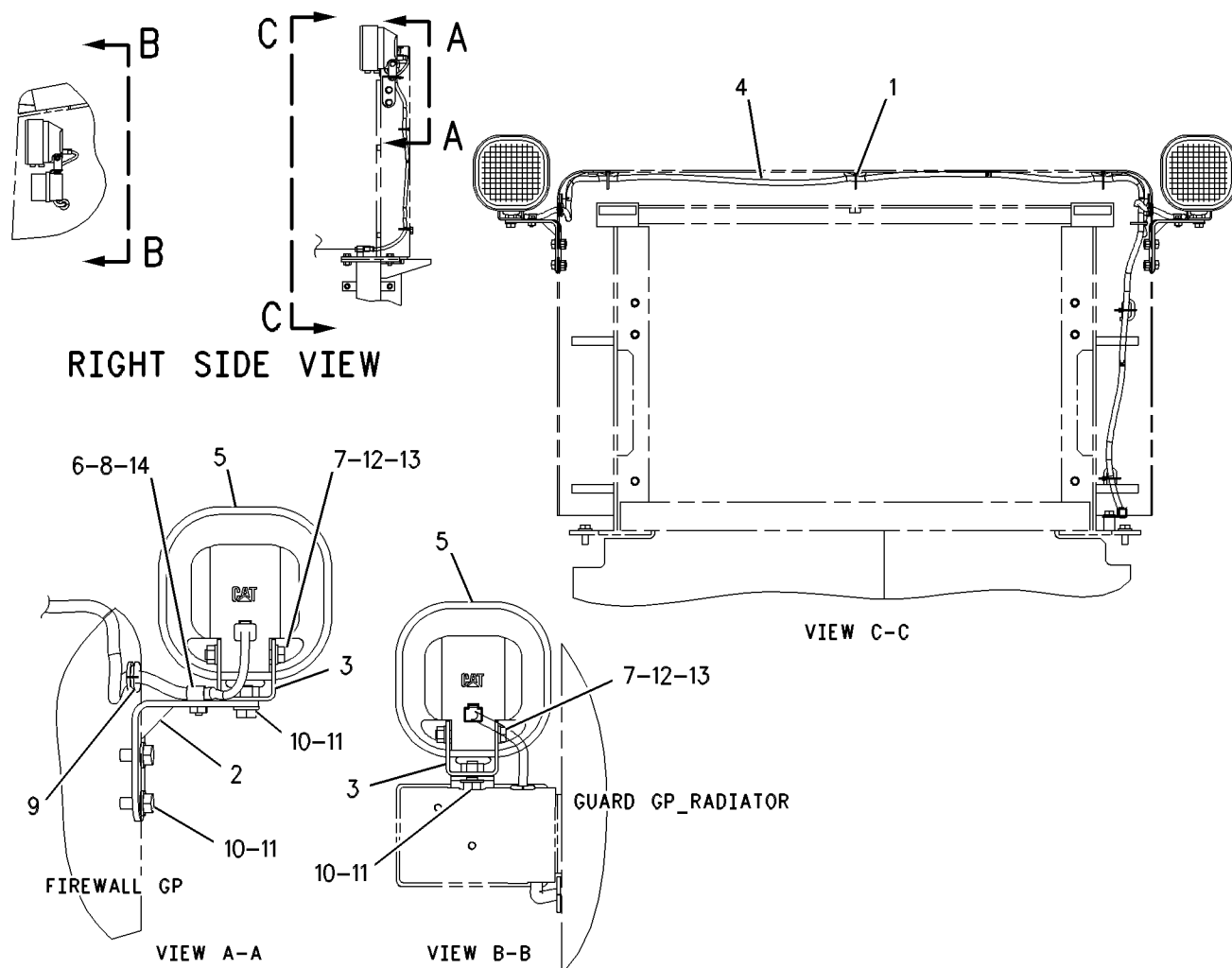
M-METRIC PART

Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

114-5186 LIGHTING GP-FLOOD (contd.)

i01412014



GRAPHIC #1

g00523357

ELECTRICAL AND STARTING SYSTEM

143-3600 LIGHTING GP-FLOOD

S/N: BPC1-UP

PART OF 143-3766 LIGHTING AR-STOP & FLOOD
AN ATTACHMENT

SMCS-1434

i01623457

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7S-3998	1	SPACER (2.470IN THK)						
	2	1	9X-6772	3	STRAP-CABLE						
	3	1	119-9004	2	BRACKET AS						
	4	1	119-9005	2	HOUSING AS						
					(EACH INCLUDES)						
		1	5D-9629	1	ROD						
	5	1	140-1088	4	BRACKET AS						
					(EACH INCLUDES)						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
Y	6	1	153-2073	4	LAMP GP-FLOOD (24 VOLT)						153
	7	1	160-2439	2	HARNESS AS-LIGHTING (FLOOD)						
					(EACH INCLUDES)						
		1	155-2270	2	KIT-CONNECTING PLUG (2 PIN)						
		1	155-2271	1	KIT-CONNECTING PLUG (4 PIN)						
		1	8T-8737	1	PLUG-SEAL						
	8	1	4D-7794	4	CLIP						
M	9	1	5C-7261	4	NUT (M8X1.25 THD)						
	10	1	2T-3019	8	CLIP						
	11	1	8T-4121	12	WASHER-HARD (11X21X2.5MM THK)						
M	12	1	8T-4136	8	BOLT (M10X1.5X25MM)						
M	13	1	8T-4137	4	BOLT (M10X1.5X20MM)						
M	14	1	8T-4183	11	BOLT (M12X1.75X40MM)						
	15	1	8T-4223	12	WASHER-HARD (13.5X25.5X3MM THK)						
	16	1	8T-4224	8	WASHER-HARD (8.8X16X2MM THK)						
M	17	1	8T-4176	1	BOLT (M12X1.75X90MM)						
M	18	1	8T-6869	4	BOLT (M8X1.25X60MM)						

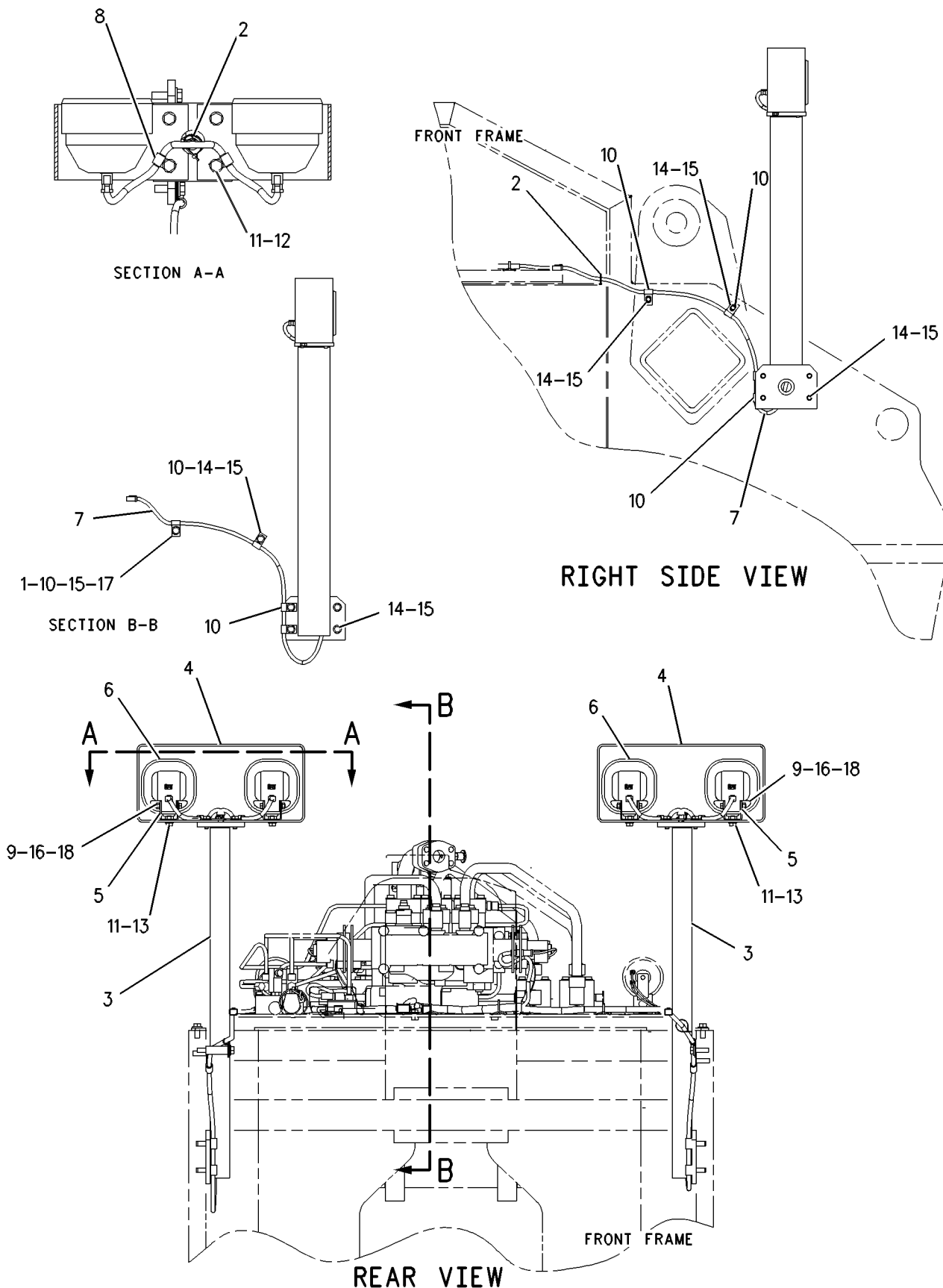
M-METRIC PART

Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

143-3600 LIGHTING GP-FLOOD (contd.)

i01623457



GRAPHIC #1

g00585716

ELECTRICAL AND STARTING SYSTEM

152-9027 LIGHTING GP-FLOOD

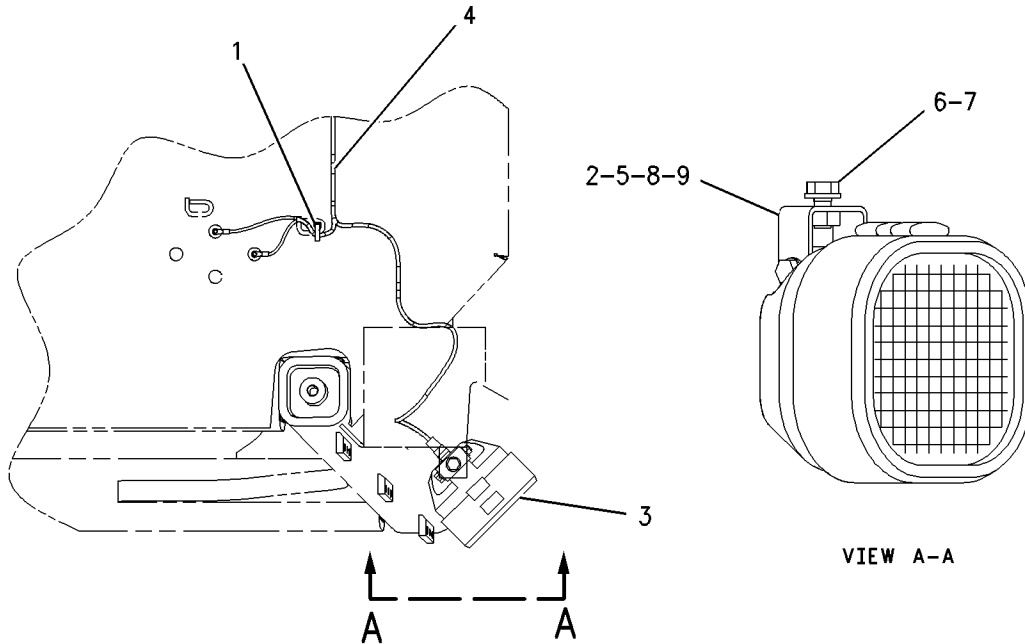
S/N: BPC1-UP
AN ATTACHMENT

SMCS-1434

i01419721

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3S-2093	2	STRAP-CABLE	
C	2	1	140-1088	2	BRACKET AS	
CY	3	1	147-0319	2	LAMP GP-FLOOD (24 VOLT) (SUSPENDED)	152
	4	1	152-9023	1	HARNESS AS-LIGHTING (FLOOD)	
		1	155-2270	2	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS & WEDGE)	
CM	5	1	5C-7261	2	NUT (M8X1.25 THD)	
	6	1	8T-4121	2	WASHER-HARD (11X21X2.5MM THK)	
M	7	1	8T-4137	2	BOLT (M10X1.5X20MM)	
C	8	1	8T-4224	4	WASHER-HARD (8.8X16X2MM THK)	
M	9	1	8T-6869	2	BOLT (M8X1.25X60MM)	

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00693715

MEMORANDA

ELECTRICAL AND STARTING SYSTEM

152-9028 LIGHTING GP-FLOOD

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-1434

i01529589

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3S-2093	5	STRAP-CABLE						
	2	1	4I-7596	2	SUPPORT AS						
					(EACH INCLUDES)						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
	3	1	140-1088	2	BRACKET AS						
					(EACH INCLUDES)						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
Y	4	1	147-0319	4	LAMP GP-FLOOD (24 VOLT) (SUSPENDED)						152
	5	1	152-9024	1	HARNESS AS-LIGHTING (FLOOD)						
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN)						
					(INCLUDES WEDGE AND PLUG AS)						
M	6	1	5C-7261	4	NUT (M8X1.25 THD)						
	7	1	8T-4121	6	WASHER-HARD (11X21X2.5MM THK)						
M	8	1	8T-4136	4	BOLT (M10X1.5X25MM)						
M	9	1	8T-4137	2	BOLT (M10X1.5X20MM)						
	10	1	8T-4224	8	WASHER-HARD (8.8X16X2MM THK)						
M	11	1	8T-6869	4	BOLT (M8X1.25X60MM)						
	12	1	193-5572	2	BRACKET AS						

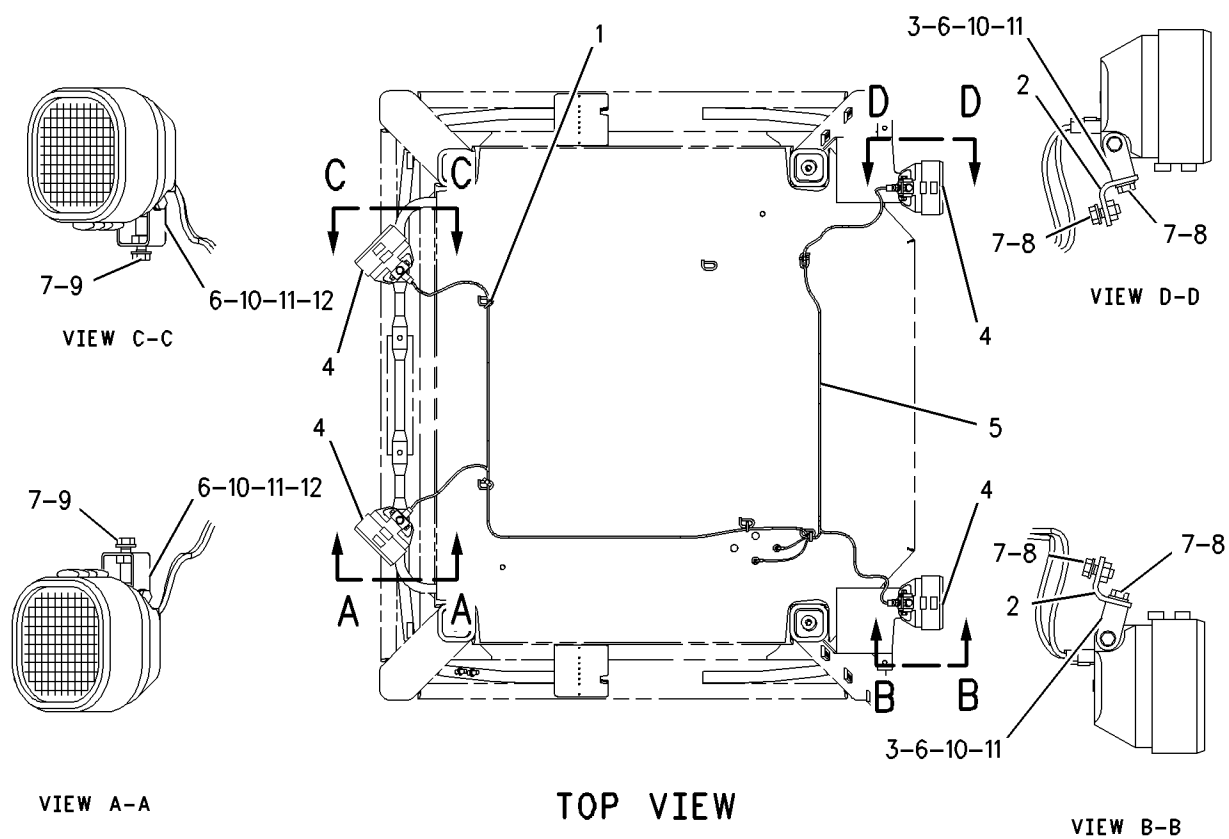
M-METRIC PART

Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

152-9028 LIGHTING GP - FLOOD (contd.)

i01529589



GRAPHIC #1

g00794087

ELECTRICAL AND STARTING SYSTEM

143-8943 LIGHTING GP-FLOOD & SIGNAL

S/N: BPC1-UP

PART OF 143-8942 LIGHTING AR-FLOOD & SIGNAL
AN ATTACHMENT

SMCS-1430, 1434

i01627876

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	199-3368	2	LAMP GP-SIGNAL (24 VOLT) (REAR TURN)	155
Y	2	1	135-0426	2	LAMP GP-SIGNAL	154
M	3	1	4E-7497	4	SPACER (M6X1 THD)	
	4	1	4E-7498	1	COVER-RH	
	5	1	4E-7499	1	COVER-LH	
	6	2	5C-8964	1	LAMP AS-RH	
	7	2	5C-9029	1	LAMP AS-LH	
	8	2	7S-3998	1	SPACER (2.470IN THK)	
	9	1	9U-0561	1	BRACKET-RH	
	10	1	9U-2277	2	CLIP AS	
	11	2	9X-4493	2	LAMP (24 VOLT)	
	12	1, 2	9X-6772	3	STRAP-CABLE	
	13	2	119-9004	2	BRACKET AS	
	14	1	140-1088	4	BRACKET AS	
	15	2	144-3971	2	HOUSING AS	
					(EACH INCLUDES)	
		2	5D-9629	1	ROD	
Y	16	1	153-2073	4	LAMP GP-FLOOD (24 VOLT)	153
	17	2	160-2437	1	HARNESS AS-LIGHTING (RH TURN SIGNAL)	
		2	155-2270	2	KIT-CONNECTING PLUG (2 PIN)	
		2	155-2271	1	KIT-CONNECTING PLUG (4 PIN)	
	18	2	160-2438	1	HARNESS AS-LIGHTING (LH TURN SIGNAL)	
		2	155-2270	2	KIT-CONNECTING PLUG (2 PIN)	
		2	155-2271	1	KIT-CONNECTING PLUG (4 PIN)	
	19	1	2V-3216	2	CLIP	
	20	1	4D-7794	6	CLIP	
M	21	1	5C-2874	4	NUT (M5X.8 THD)	
M	22	1	5C-2890	12	NUT (M6X1 THD)	
M	23	1	5C-7261	4	NUT (M8X1.25 THD)	
	24	2	2T-3019	8	CLIP	
	25	1	7X-0620	8	WASHER-HARD (5.5X13X1.6MM THK)	
	26	1	8T-4121	16	WASHER-HARD (11X21X2.5MM THK)	
M	27	1	8T-4127	4	SCREW-MACHINE (M5X0.8X20MM)	
M	28	1	8T-4136	8	BOLT (M10X1.5X25MM)	
M	29	1	8T-4137	4	BOLT (M10X1.5X20MM)	
M	30	2	8T-4183	11	BOLT (M12X1.75X40MM)	
M	31	1	8T-4195	4	BOLT (M10X1.5X30MM)	
	32	1	8T-4205	12	WASHER-HARD (7.2X14.5X2MM THK)	
	33	2	8T-4223	12	WASHER-HARD (13.5X25.5X3MM THK)	
	34	1	8T-4224	8	WASHER-HARD (8.8X16X2MM THK)	
M	35	2	8T-4176	1	BOLT (M12X1.75X90MM)	
M	36	1	8T-6411	4	SCREW-MACHINE (M6X1X12MM)	
M	37	1	8T-6869	4	BOLT (M8X1.25X60MM)	
	38	1	9U-0560	1	BRACKET-LH	

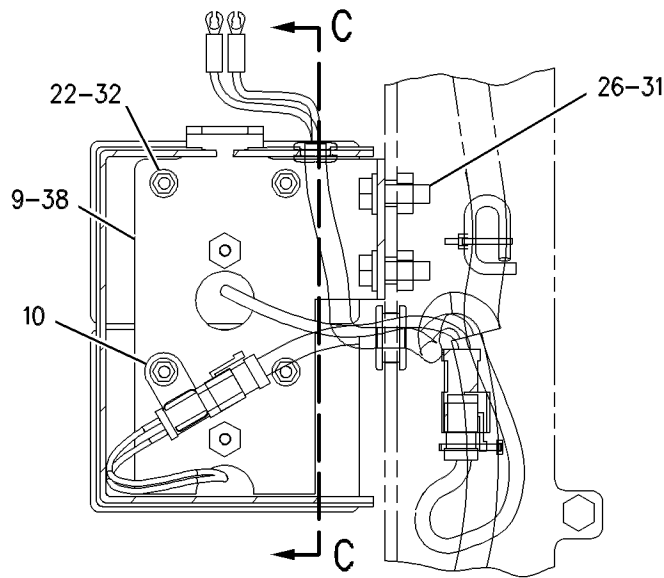
M-METRIC PART

Y-SEPARATE ILLUSTRATION

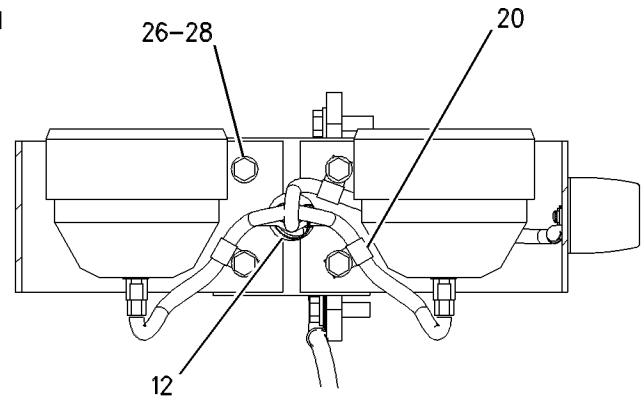
ELECTRICAL AND STARTING SYSTEM

143-8943 LIGHTING GP-FLOOD & SIGNAL (contd.)

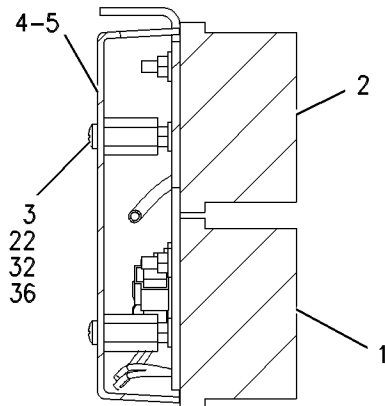
i01627876



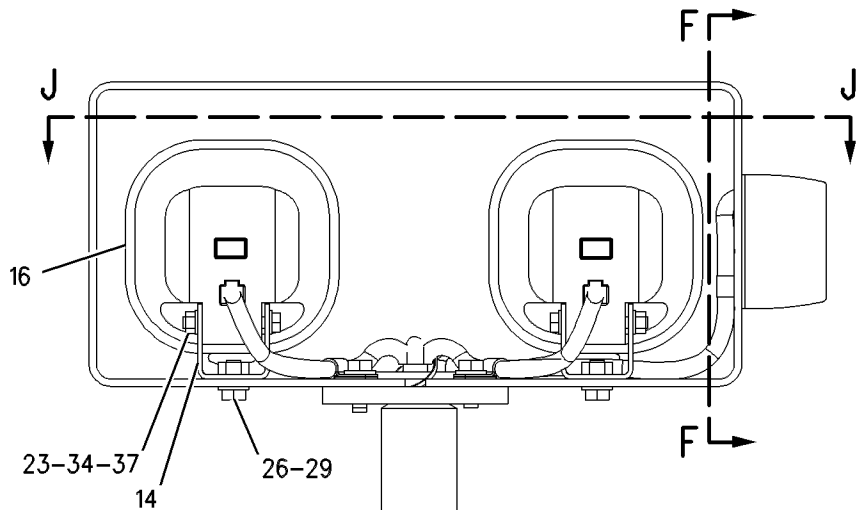
SECTION A-A



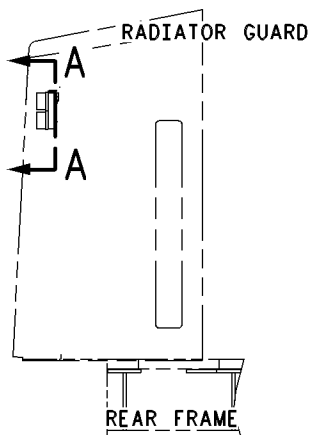
SECTION J-J



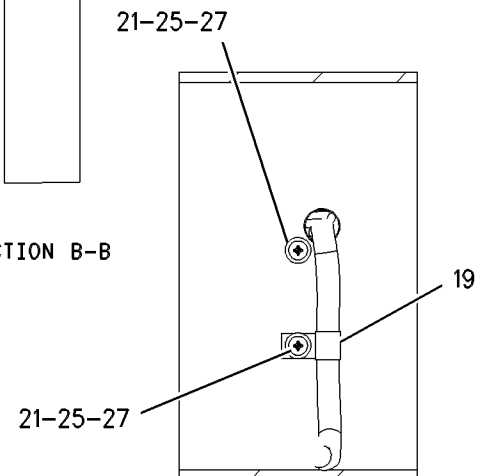
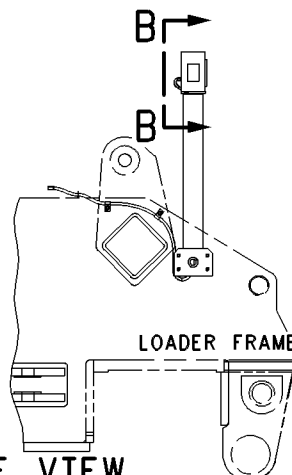
SECTION C-C



SECTION B-B



RIGHT SIDE VIEW



SECTION F-F

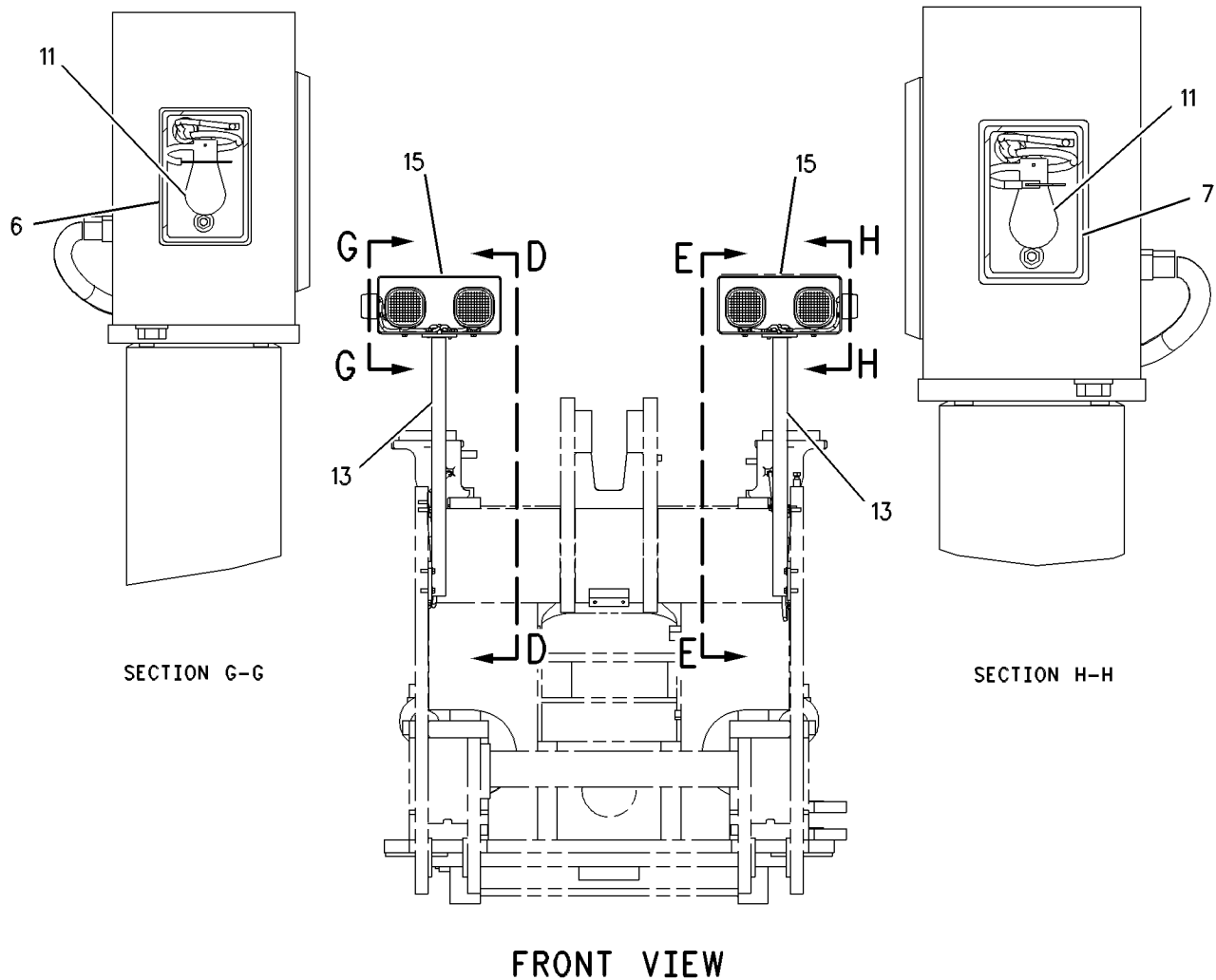
GRAPHIC #1

g00509426

ELECTRICAL AND STARTING SYSTEM

143-8943 LIGHTING GP-FLOOD & SIGNAL (contd.)

i01627876



GRAPHIC #2

g00608954

ELECTRICAL AND STARTING SYSTEM

8R-5645 LIGHTING GP-STOP

S/N: BPC1-UP

PART OF 143-3766 LIGHTING AR-STOP & FLOOD
AN ATTACHMENT

SMCS-1432

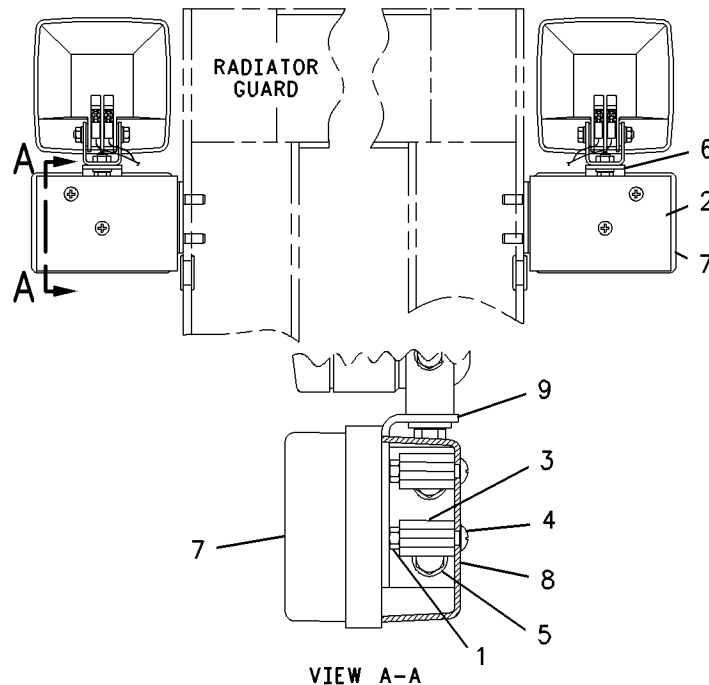
i01491922

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	5C-2890	6	NUT (M6X1 THD)	
	2	1	4E-9925	1	COVER-LH	
M	3	1	4E-7497	4	SPACER (M6X1 THD)	
M	4	1	8T-6411	4	SCREW-MACHINE (M6X1X12MM)	
M	5	1	8T-4195	4	BOLT (M10X1.5X30MM)	
		1	8T-4121	4	WASHER-HARD (11X21X2.5MM THK)	
	6	1	4E-8975	1	BRACKET	
CY	7	1	135-0426	2	LAMP GP-SIGNAL (STOP/TAIL)	154
	8	1	4E-9924	1	COVER-RH	
	9	1	4E-8976	1	BRACKET	

C-CHANGE FROM PREVIOUS TYPE

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00776857

ELECTRICAL AND STARTING SYSTEM

190-3980 LIGHTING GP-WARNING

S/N: BPC1-UP
AN ATTACHMENT

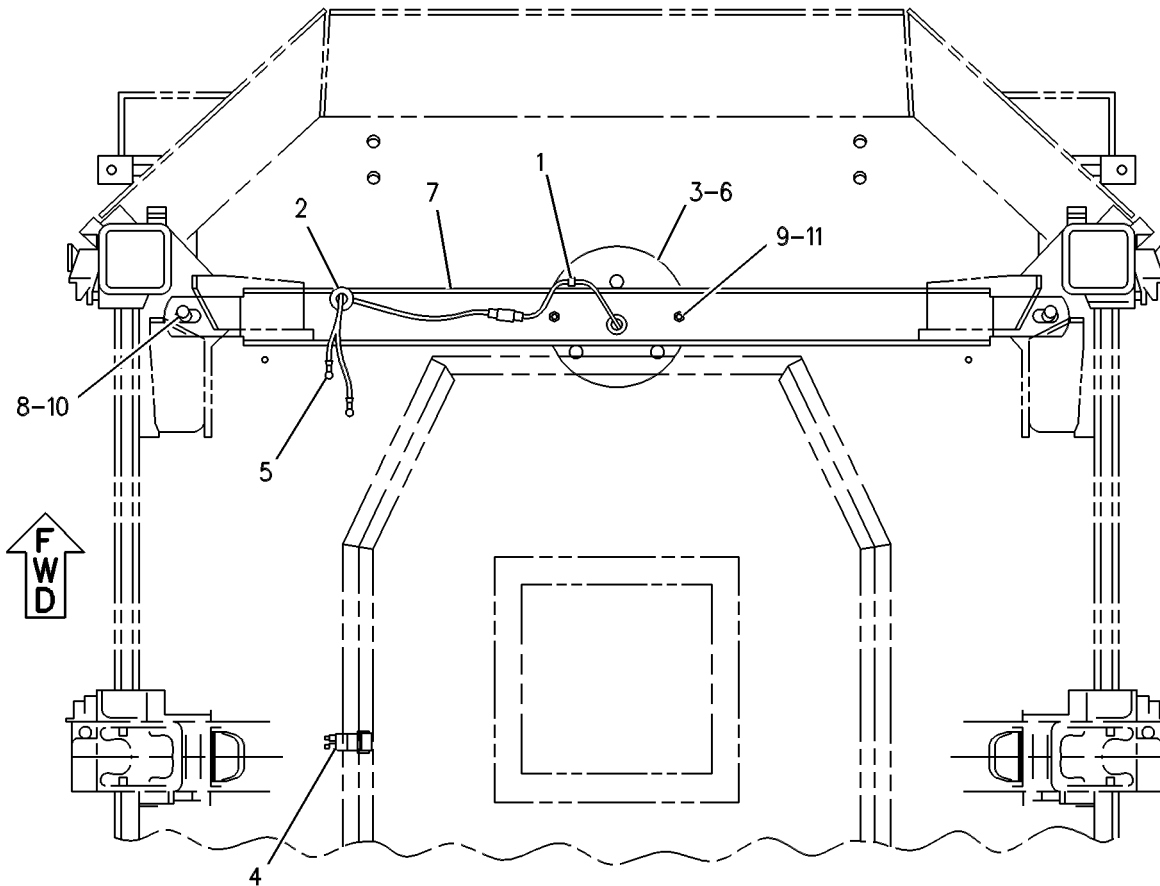
SMCS-1431

i01492973

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3S-2093	1	STRAP-CABLE	
	2	1	7G-7053	1	GROMMET	
	3	1	8R-4001	1	PLATE	
	4	1	170-1318	1	SWITCH AS-ROCKER (WARNING LAMP)	
	5	1	119-8984	1	HARNESS AS-LIGHTING (BEACON LAMP)	
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS & WEDGE)	
Y	6	1	128-6983	1	LAMP GP-WARNING BEACON (AMBER)	156
	7	1	129-5150	1	CHANNEL AS	
		1	5D-9629	1	ROD	
M		1	6V-9632	2	NUT-WELD (M6X1 THD)	
	8	1	8T-4122	2	WASHER-HARD (17X32X3.5MM THK)	
M	9	1	8T-4138	2	BOLT (M6X1X20MM)	
M	10	1	8T-4140	2	BOLT (M16X2X60MM)	
	11	1	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)	

M-METRIC PART

Y-SEPARATE ILLUSTRATION



BOTTOM VIEW OF CAB

GRAPHIC #1

g00122118

ELECTRICAL AND STARTING SYSTEM

200-2301 MOUNTING GP-PRESSURE SENSOR

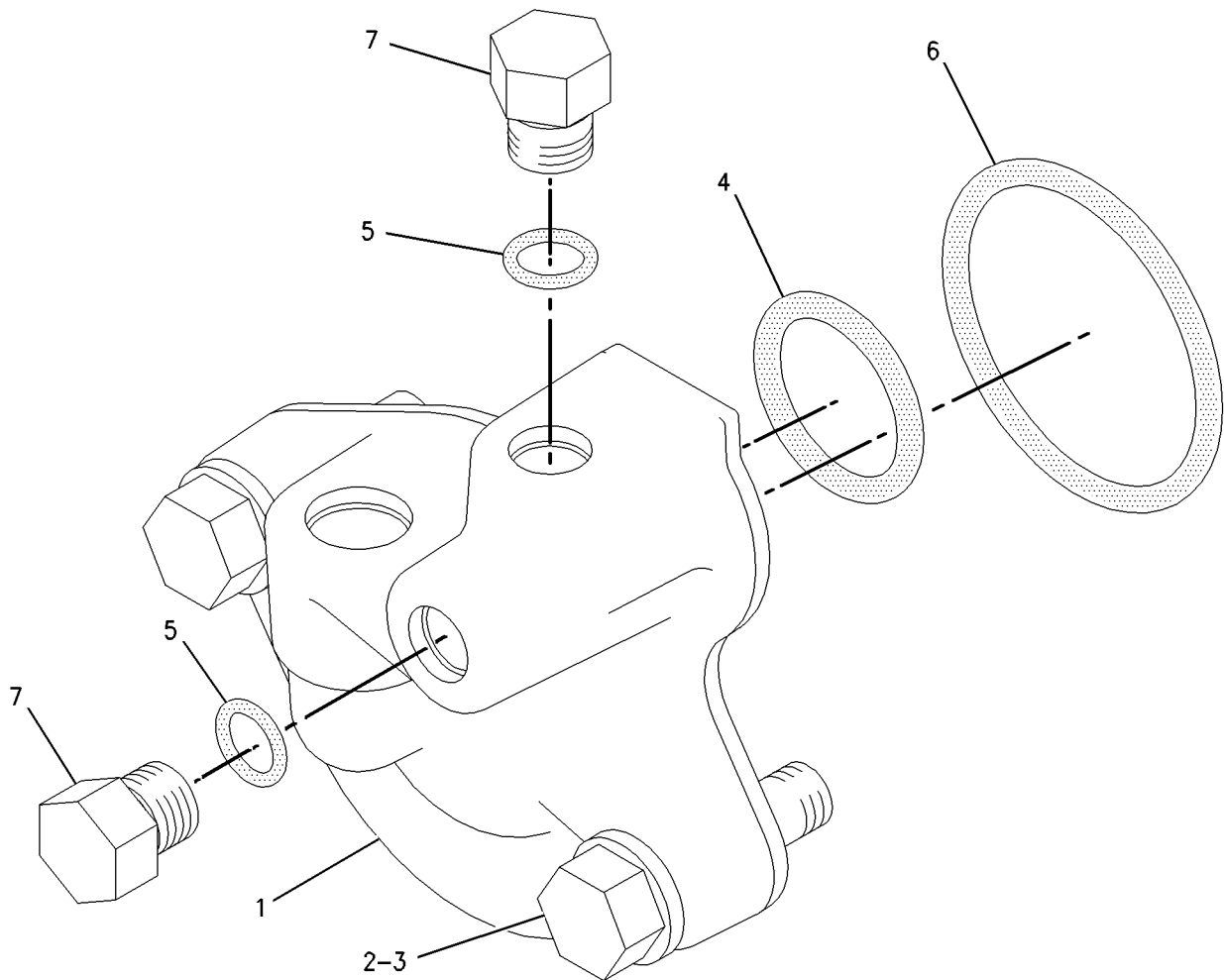
S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-7494

i01536596

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	166-6693	1	ADAPTER						
	2	1	3B-1915	2	BOLT (3/8-16X1.37 IN)						
	3	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
	4	1	6V-3683	1	SEAL-O-RING						
	5	1	6V-5048	2	SEAL-O-RING						
	6	1	8J-4351	1	SEAL-O-RING						
	7	1	9S-4182	2	PLUG-O-RING						



GRAPHIC #1

g00788950

ELECTRICAL AND STARTING SYSTEM

199-1002 SENSOR GP-ENGINE

S/N: BNT1-UP

PART OF 198-6492 ENGINE AR-CORE

AN ATTACHMENT

SMCS-1718, 1906, 1907, 1912, 1917, 1923, 1924,
1928, 1929, 7400

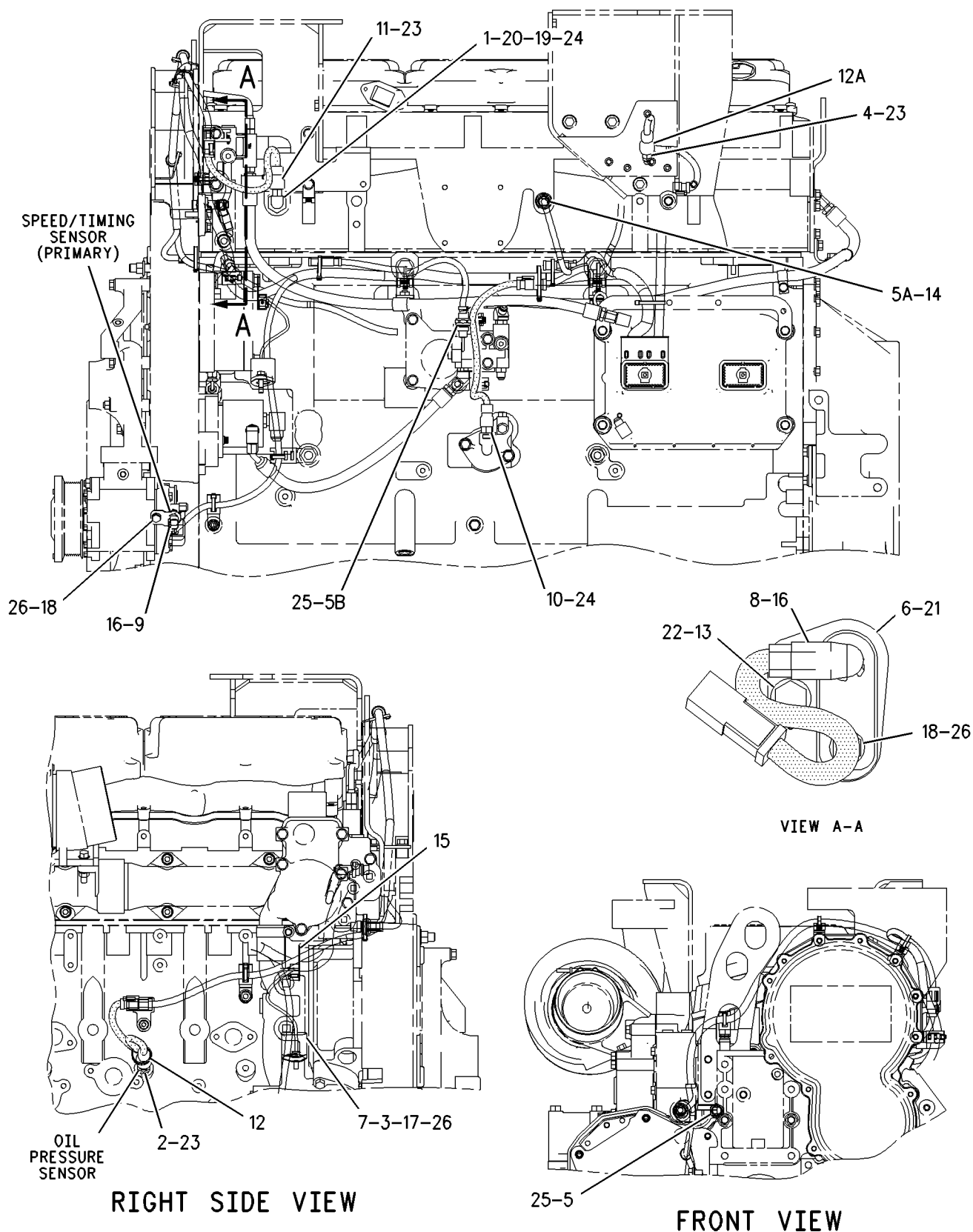
i01620473

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3E-2332	1	ELBOW	
	2	1	3E-7448	1	CONNECTOR	
	3	1	4N-3841	1	GASKET	
	4	1	9X-0262	1	ADAPTER	
	5	1	130-9811	1	SENSOR GP-TEMPERATURE (COOLANT)	
	5A	1	130-9811	1	SENSOR GP-TEMPERATURE (AIR INLET)	
	5B	1	130-9811	1	SENSOR GP-TEMPERATURE (FUEL)	
	6	1	132-9770	1	SPACER AS	
		1	1W-6448	2	DOWEL	
Y	7	1	134-6054	1	SWITCH GP-FLOW (COOLANT)	196
	8	1	188-7513	1	SENSOR GP-SPEED (TIMING-SECONDARY)	
	9	1	189-9266	1	SENSOR GP-SPEED (TIMING-PRIMARY)	
Y	10	1	194-6722	1	SENSOR GP-PRESSURE (ATMOSPHERIC)	180
Y	11	1	194-6724	1	SENSOR GP-PRESSURE (INLET MANIFOLD BOOST)	181
Y	12	1	194-6725	1	SENSOR GP-PRESSURE (OIL)	182
Y	12A	1	194-6725	1	SENSOR GP-PRESSURE (FUEL)	182
	13	1	0S-1591	1	BOLT (3/8-16X1.5 IN)	
	14	1	112-5282	1	SEAL-O-RING	
	15	1	130-5300	1	CLIP	
	16	1	203-3940	2	SEAL-O-RING	
	17	1	2B-2695	2	BOLT (5/16-18X0.875 IN)	
	18	1	2H-3755	2	BOLT (5/16-18X0.62 IN)	
	19	1	2P-8421	1	ADAPTER-O-RING	
	20	1	3D-2824	1	SEAL-O-RING	
	21	1	3P-1155	1	SEAL-O-RING	
	22	1	5M-2894	1	WASHER-HARD (10.2X18.5X2.5MM THK)	
	23	1	6V-5048	4	SEAL-O-RING	
	24	1	6V-5049	2	SEAL-O-RING	
	25	1	8L-2786	2	SEAL-O-RING	
	26	1	9M-1974	4	WASHER-HARD (8.8X16X2MM THK)	
Y- SEPARATE ILLUSTRATION						

ELECTRICAL AND STARTING SYSTEM

199-1002 SENSOR GP-ENGINE (contd.)

i01620473



GRAPHIC #1

g00842665

ELECTRICAL AND STARTING SYSTEM

147-1680 SENSOR GP-POSITION-LEFT BRAKE PEDAL

S/N: BPC1-UP

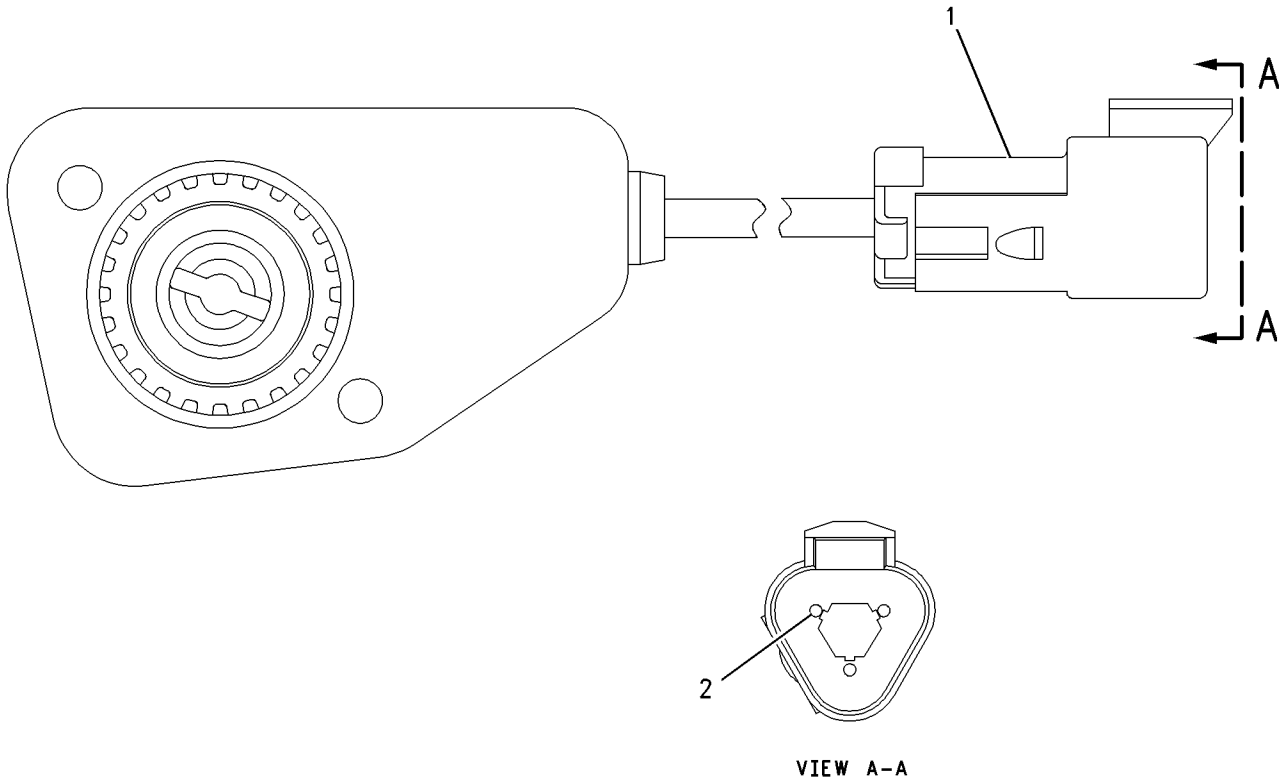
ROTARY

PART OF 180-4001 BASE GP-FOOT BRAKE

SMCS-4269, 5702, 5736, 5737, 7494

i01346290

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	2	1	8T-8729	3	PIN-CONNECTOR						



GRAPHIC #1

g00711081

ELECTRICAL AND STARTING SYSTEM

161-8979 SENSOR GP-POSITION-CONTROL LEVER

S/N: BPC1-UP

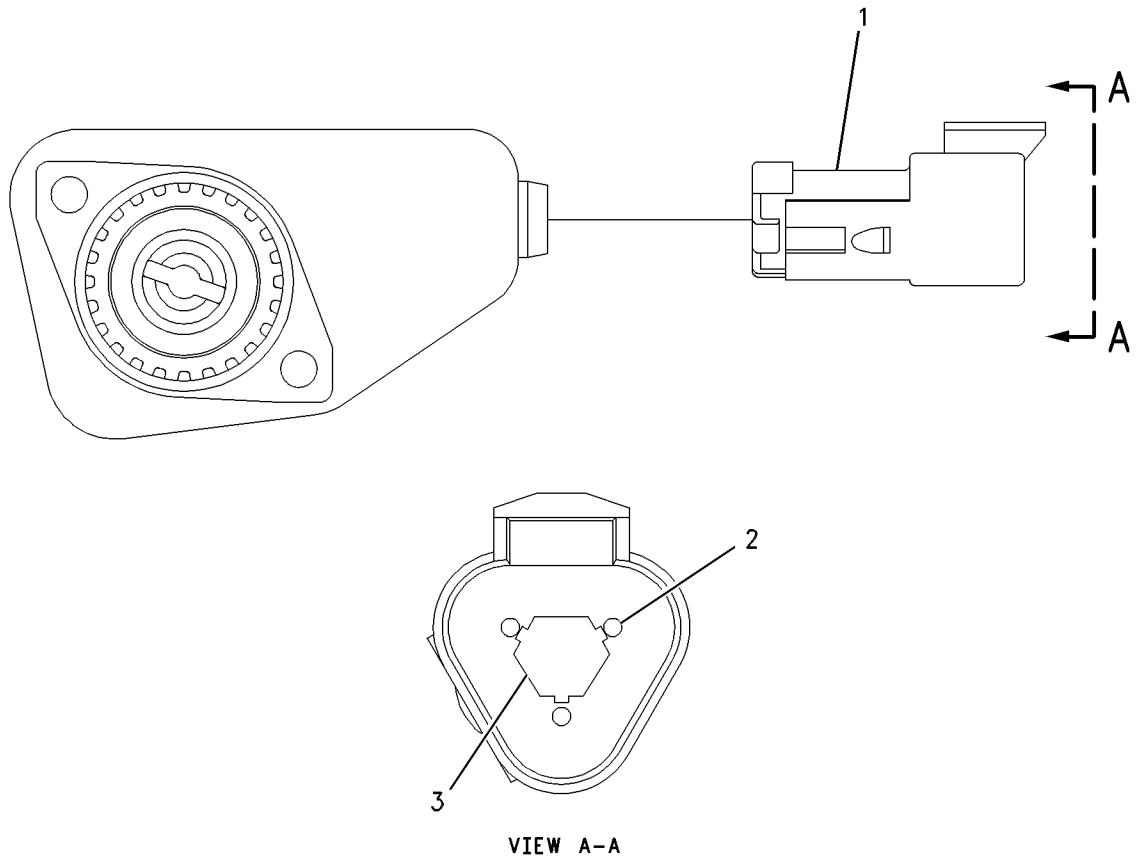
SPRINGLESS

PART OF 183-8479 CONTROL GP-ELECTROHYDRAULIC

SMCS-4269, 5702, 5736, 5737, 7494

i01216799

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	2	1	8T-8729	3	PIN-CONNECTOR						
	3	1	3E-3371	1	WEDGE-RECEPTACLE LOCK						



GRAPHIC #1

g00550816

ELECTRICAL AND STARTING SYSTEM

176-1602 SENSOR GP-POSITION-THROTTLE

S/N: BPC1-UP

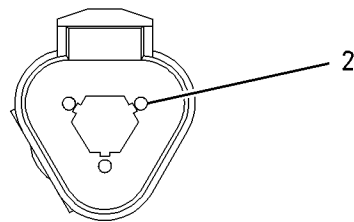
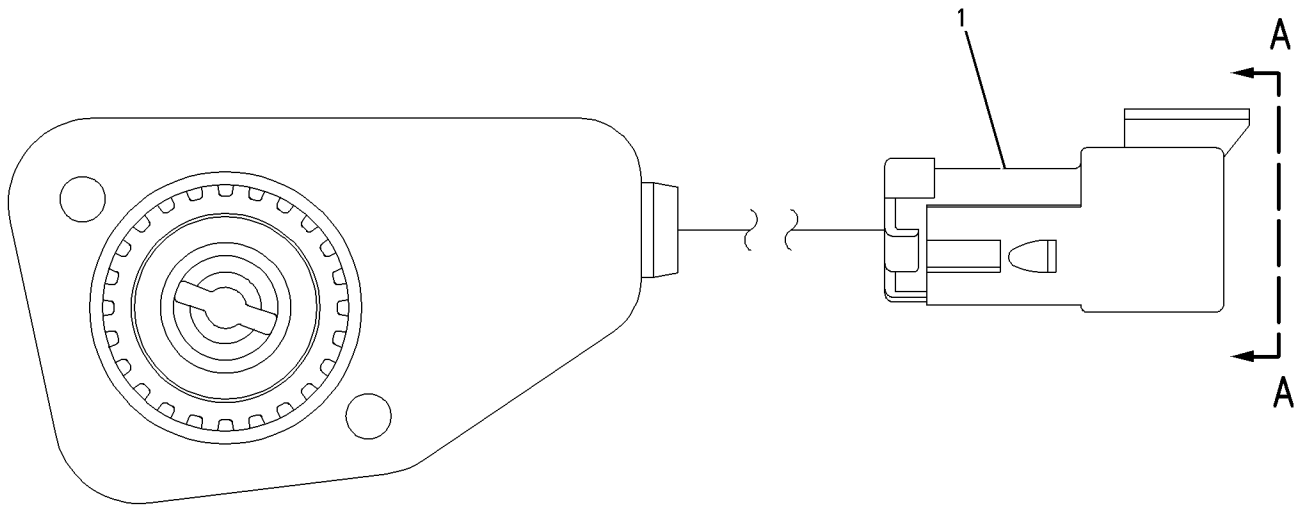
ROTARY, PROVIDES PEDAL MOUNTED CONTROL

PART OF 130-8176 PEDAL GP-GOVERNOR

SMCS-4269, 5702, 5736, 5737, 7494

i01602945

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8803	1	KIT-RECEPTACLE (3 PIN) (ACCELERATOR POSITION SENSOR) (INCLUDES RECEPTACLE AS & WEDGE)						
	2	1	8T-8729	3	PIN-CONNECTOR						



VIEW A-A

GRAPHIC #1

g00810740

ELECTRICAL AND STARTING SYSTEM

100-4311 SENSOR GP-PRESSURE

S/N: BPC1-UP

5 KHZ. PULSE WIDTH MODULATION

PART OF 203-1602 WIRING GP-POWER TRAIN

SMCS-7494

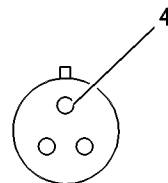
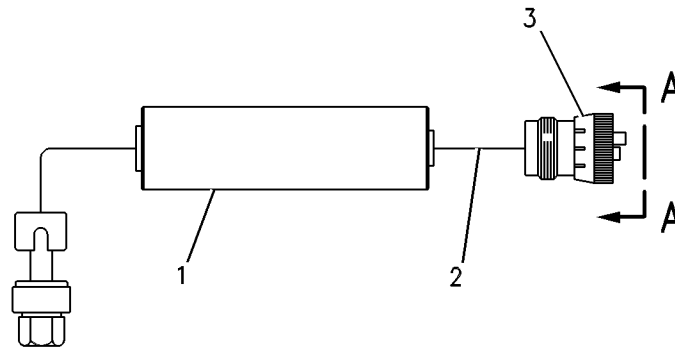
i00547152

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Z	1	1		1	CONTROL AS-ELECTRONIC						
BE	2	1	9X-1813		SLEEVE						
	3	1	8T-8731	1	PLUG-CONNECTOR						
	4	1	8T-8730	3	SOCKET-CONNECTOR						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

Z-NOT SERVICED SEPARATELY



VIEW A-A

GRAPHIC #1

g00268727

ELECTRICAL AND STARTING SYSTEM

194-6722 SENSOR GP-PRESSURE

S/N: BNT1-UP

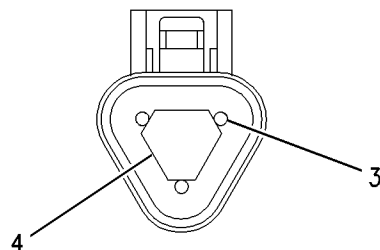
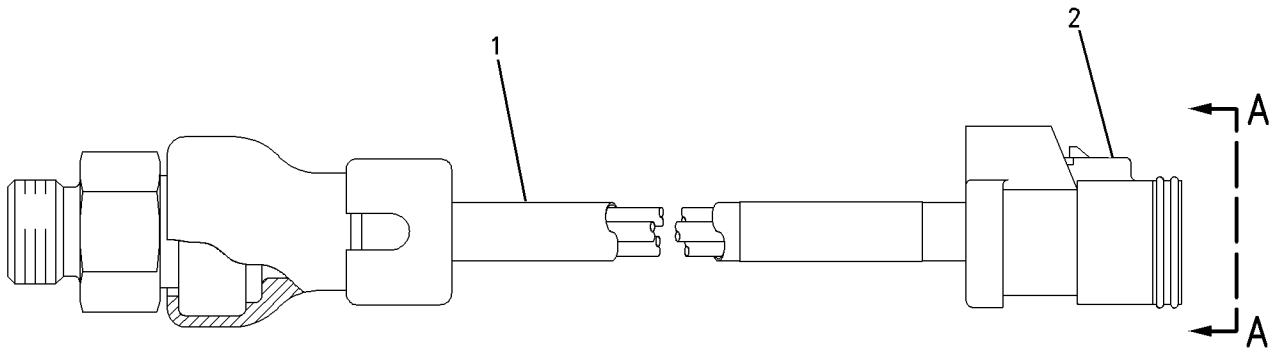
PART OF 199-1002 SENSOR GP-ENGINE
AN ATTACHMENT

SMCS-7494

i01562222

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
BE	1	1	9X-1813		SLEEVE						
	2	1	155-2260	1	KIT-CONNECTING PLUG (3 PIN) (INCLUDES PLUG AS & WEDGE)						
	3	1	180-9340	3	SOCKET-CONNECTOR						
	4	1	3E-3368	1	WEDGE-PLUG LOCK						

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER



VIEW A-A

GRAPHIC #1

g00807030

ELECTRICAL AND STARTING SYSTEM

194-6724 SENSOR GP-PRESSURE

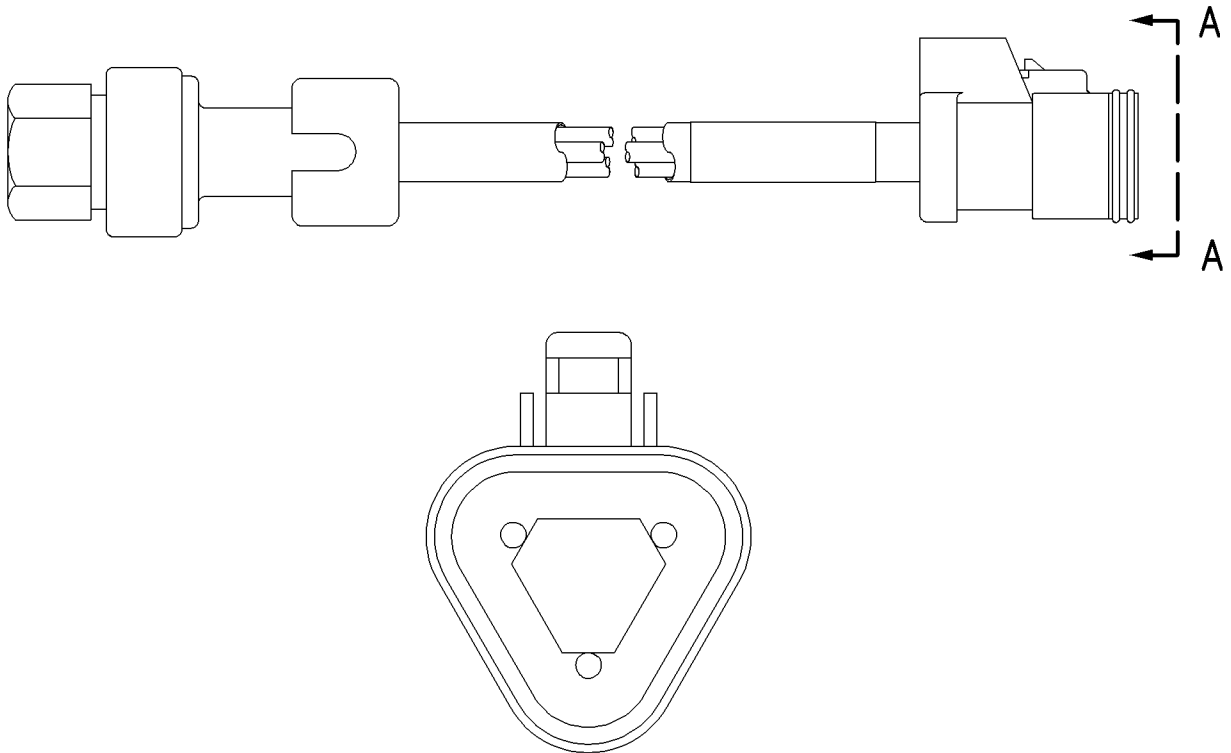
S/N: BNT1-UP

PART OF 199-1002 SENSOR GP-ENGINE
AN ATTACHMENT

SMCS-7494

i01586482

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
(NO SERVICED PARTS)											



VIEW A-A

GRAPHIC #1

g00823280

ELECTRICAL AND STARTING SYSTEM

194-6725 SENSOR GP-PRESSURE

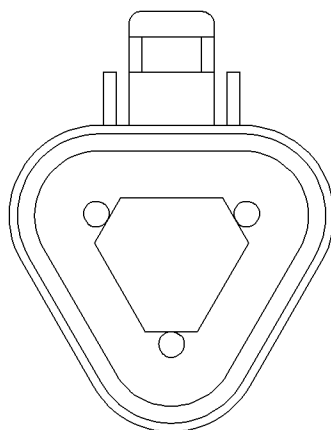
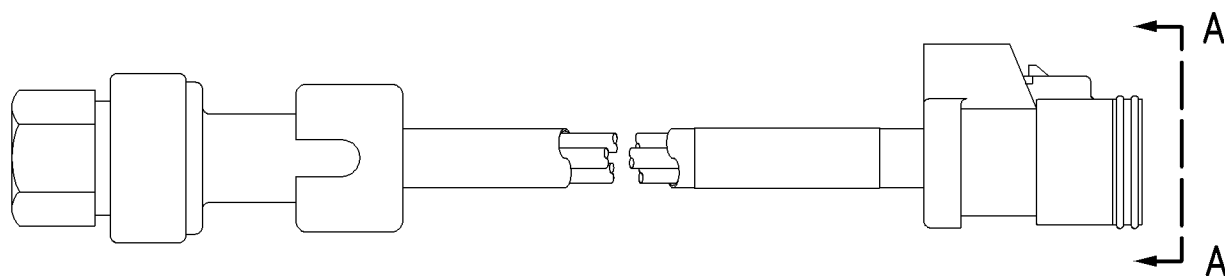
S/N: BNT1-UP

PART OF 199-1002 SENSOR GP-ENGINE
AN ATTACHMENT

SMCS-7494

i01586520

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
					(NO SERVICED PARTS)						



VIEW A-A

GRAPHIC #1

g00823280

ELECTRICAL AND STARTING SYSTEM

193-2550 SENSOR GP-SPEED-TRANSMISSION OUTPUT

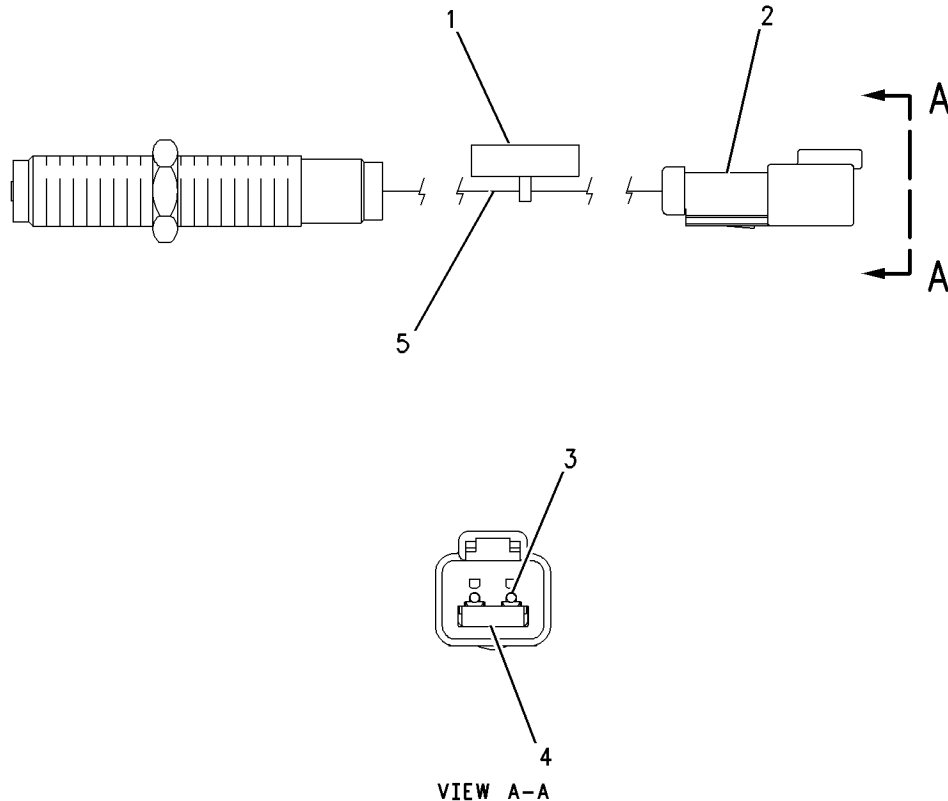
S/N: 3NY1-UP

PART OF 133-8116 GEAR GP-OUTPUT TRANSFER

SMCS-1907, 1912, 3175, 4803, 7493

i01397109

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	171-5349	1	STRAP-MARKER						
	2	1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	3	1	8T-8729	2	PIN-CONNECTOR						
	4	1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)						
E	5	1	9X-1813		SLEEVE (14CM)						
E-ORDER BY THE CENTIMETER											



GRAPHIC #1

g00690327

ELECTRICAL AND STARTING SYSTEM

100-3055 SENSOR GP-TEMPERATURE

S/N: BPC1-UP

8 VOLT. PULSE WIDTH MODULATION

PART OF 203-1602 WIRING GP-POWER TRAIN

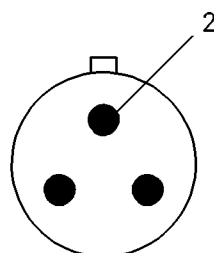
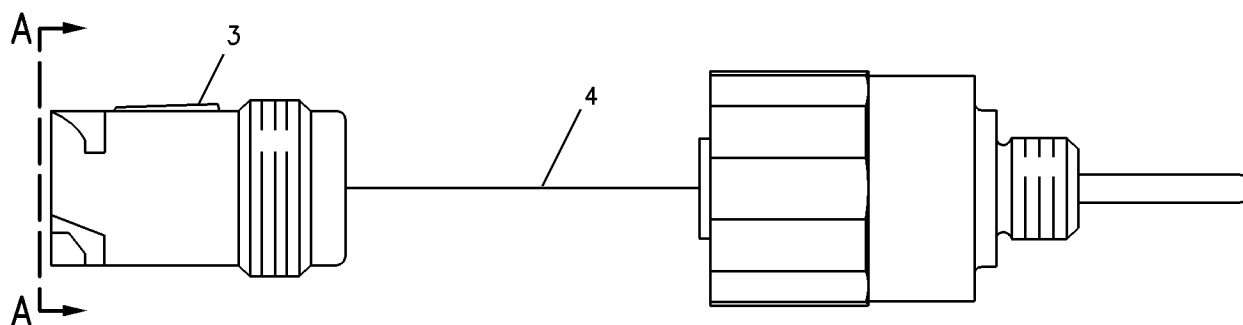
SMCS-1408, 1906, 1921, 1922, 301T, 429T, 509T

i01613320

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	2	1	8T-8729	3	PIN-CONNECTOR						
	3	1	8T-8732	1	RECEPTACLE-CONNECTOR						
BE	4	1	9X-1813		SLEEVE						

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER



VIEW A-A

GRAPHIC #1

g00835076

ELECTRICAL AND STARTING SYSTEM

131-0427 SENSOR GP-TEMPERATURE

S/N: BPC1-UP

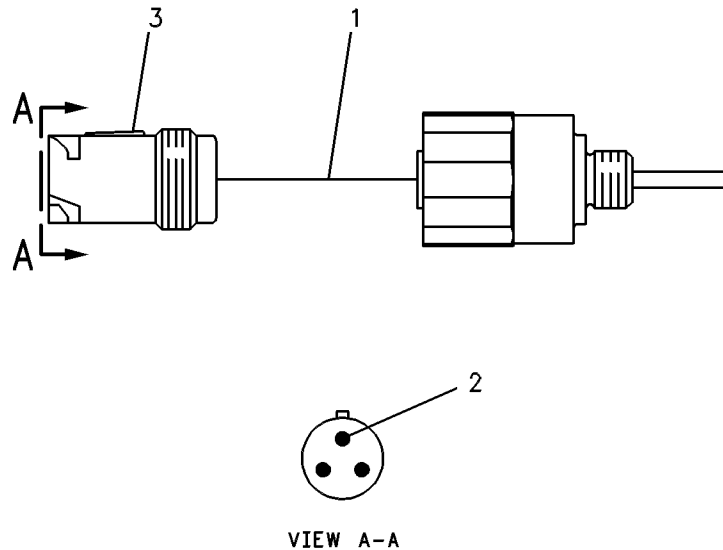
8 VOLT.PULSE WIDTH MODULATION

PART OF 143-3690 WIRING GP-FRONT, 203-1598 WIRING GP-MACHINE, 203-1602 WIRING GP-POWER TRAIN

SMCS-1408, 1906, 1921, 1922, 301T, 429T, 509T

i01500305

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
E	1	1	112-4550		SLEEVE (33CM)						
	2	1	8T-8729	3	PIN-CONNECTOR						
	3	1	8T-8732	1	RECEPTACLE-CONNECTOR						
E-ORDER BY THE CENTIMETER											



GRAPHIC #1

g00084552

ELECTRICAL AND STARTING SYSTEM

114-5176 STARTING AID GP-ETHER

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

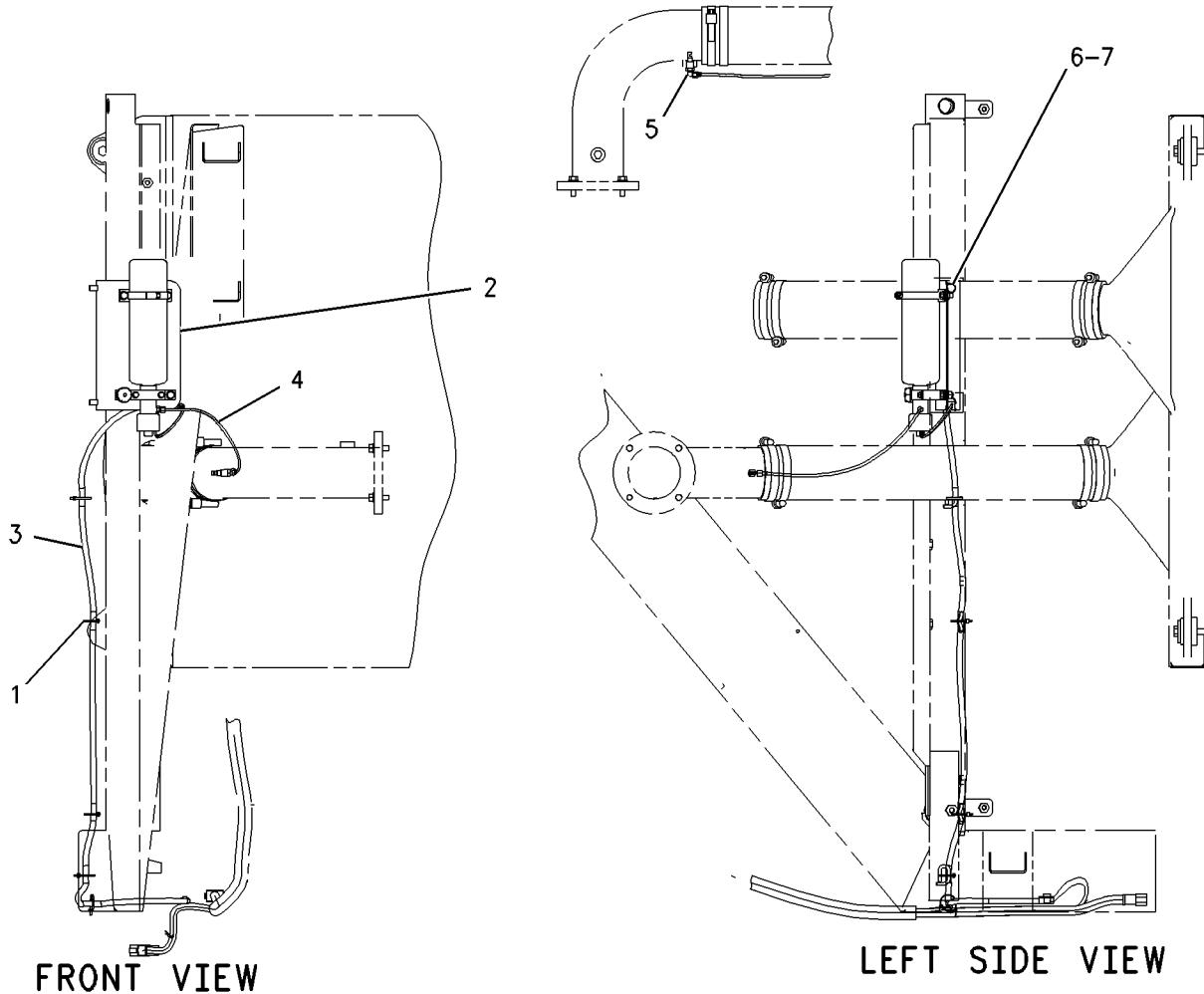
SMCS-1456

i01420692

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3S-2093	5	STRAP-CABLE	
Y	2	1	<i>136-2048</i>	1	STARTING AID GP-ETHER	187
	3	1	141-8715	1	HARNESS AS-POWER (ETHER STARING AID)	
		1	155-2270		KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS & WEDGE)	
	4	1	178-8888	1	HOSE AS	
	5	1	195-1292	1	ATOMIZER AS-ETHER	
	6	1	8T-4121	2	WASHER-HARD (11X21X2.5MM THK)	
M	7	1	8T-4137	2	BOLT (M10X1.5X20MM)	

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00727633

ELECTRICAL AND STARTING SYSTEM

136-2048 STARTING AID GP-ETHER

S/N: BPC1-UP

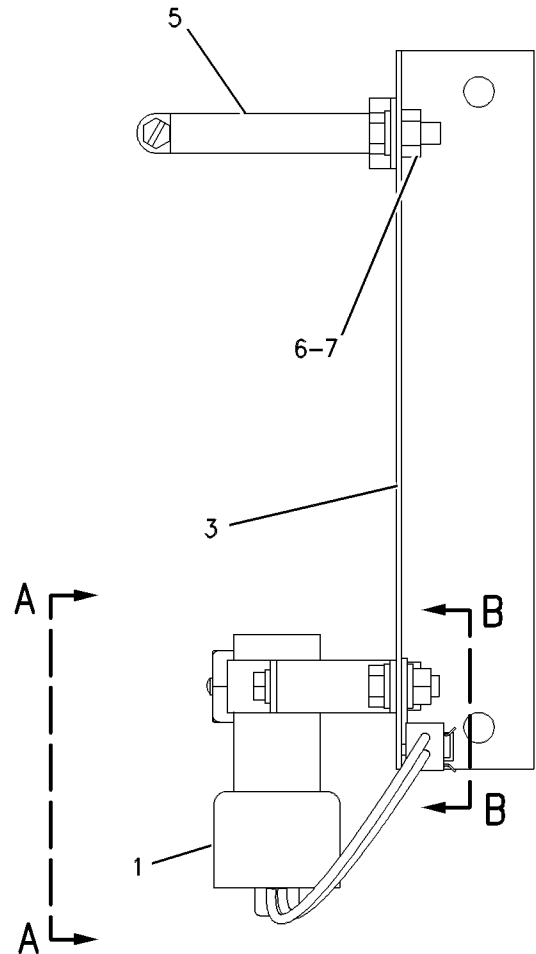
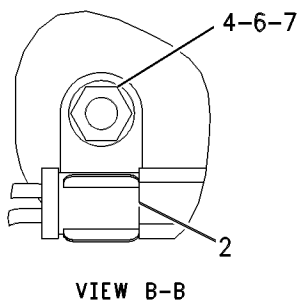
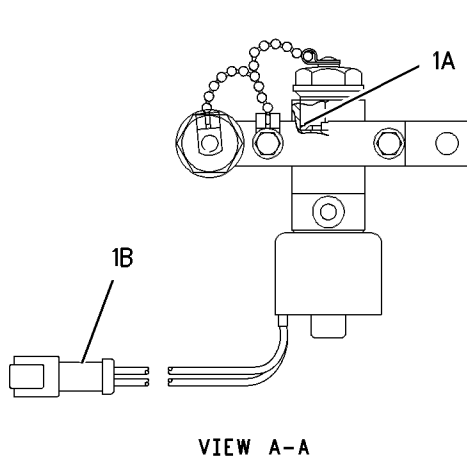
PART OF 114-5176 STARTING AID GP-ETHER

SMCS-1456

i01492970

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	3E-6333	1	VALVE AS (ETHER START) (24 VOLT)	
	1A	1	7N-9801	1	GASKET	
	1B	1	102-8802	1	KIT-RECEPTACLE (2 PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
	2	1	9U-2277	1	CLIP AS	
	3	1	145-2379	1	BRACKET AS	
M		1	8T-3612	3	NUT-WELD (M8X1.25 THD)	
M	4	1	5C-7261	1	NUT (M8X1.25 THD)	
	5	1	7N-2059	1	CLAMP AS-CYLINDER	
M	6	1	8T-4189	4	BOLT (M8X1.25X20MM)	
	7	1	8T-4224	5	WASHER-HARD (8.8X16X2MM THK)	

M-METRIC PART



GRAPHIC #1

g00503032

ELECTRICAL AND STARTING SYSTEM

6V-0890 STARTING MOTOR GP-ELECTRIC*R

S/N: BPC1-UP

24 VOLT

PART OF 105-4729 STARTING MOTOR GP-ELECTRIC

SMCS-1453

i01585385

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7M-0326	1	CONNECTOR						
	2	1	9H-3757	2	WASHER (0.516X1X0.094 IN THK)						
	3	1	1S-7446	3	SCREW-MACHINE (8-32X0.437 THD)						
	4	1	8C-9660	3	WASHER (4.6X7.9X0.8MM THK)						
	5	1	9S-2544	9	SCREW-HEX HEAD (8-32X11.13MM)						
	6	1	7M-0327	1	WASHER-THRUST (17.40X25.4X1.6MM THK)						
	7	1	3T-3418	1	FRAME AS-END						
		1	3T-3423	1	CUP						
		1	9G-4101	1	BUSHING-END						
		1	3T-3424	1	PLUG-FELT						
8		1	3T-9525	1	PLATE AS-BRUSH						
		1	6T-0371	1	INSULATOR						
		1	5P-6298	12	SCREW-MACHINE (10-32X0.5 IN)						
		1	9F-5599	12	LOCKWASHER						
		1	7F-3525	6	WASHER-BUSHING						
		1	6T-0363	6	HOLDER AS-BRUSH						
					(EACH INCLUDES)						
		1	3T-9494	1	SPRING-BRUSH						
9		1	7F-3491	2	WASHER (0.516X1X0.094 IN THK)						
10		1	3T-3422	1	WIRE AS						
11		1	2J-8163	2	SEAL-O-RING						
12		1	7X-3373	1	BOLT (5/16-18X0.88 IN)						
13		1	3T-3434	6	PLUG						
14		1	5J-5314	5	BOLT (5/16-18X1.5 IN)						
15		1	3L-3380	1	BUSHING-TERMINAL						
16		1	036-9821	1	WASHER						
17		1	4M-1828	1	RETAINER-SPRING						
18		1	4M-1829	1	BOOT-RUBBER						
19		1	9M-7606	1	PLUNGER AS						
20		1	9M-7609	1	SPRING						
21		1	4M-1827	1	RETAINER-SPRING						
22		1	8C-3089	1	SEAL-O-RING						
23		1	4M-1853	1	LEVER AS-SHIFT						
24		1	5M-3034	1	LOCKNUT						
25		1	7L-2894	4	GASKET						
26		1	4M-1831	4	PLUG-LEVER HOUSING						
27		1	4M-1854	1	SHAFT-LEVER						
28		1	1H-1023	1	SEAL-O-RING						
29		1	2D-6392	1	SEAL-O-RING						
30		1	7T-3974	1	HOUSING AS-DRIVE						
31		1	6N-3826	1	DRIVE AS-MOTOR						
32		1	2H-3429	2	RING-RETAINING						
33		1	6V-1322	4	BOLT (1/4-20X0.375 IN)						
34		1	8T-4205	4	WASHER-HARD (7.2X14.5X2MM THK)						
35		1	6N-3279	1	INSULATOR						
36		1	036-9823	13	BOLT						
37		1	1M-9971	1	SPACER						
38		1	1H-2629	3	STRIP-INSULATION						
39		1	7M-0324	1	COIL AS-FIELD						
40		1	3F-0379	12	SCREW-POLE SHOE						
41		1	7F-3488	6	SHOE-POLE						
42		1	7M-8651	1	ARMATURE AS						
43		1	7M-0325	1	INSULATOR-COIL						
44		1	3T-9524	6	BRUSH AS (STARTING MOTOR)						
45		1	125-6537	1	INSULATOR						

ELECTRICAL AND STARTING SYSTEM

6V-0890 STARTING MOTOR GP-ELECTRIC (contd.)

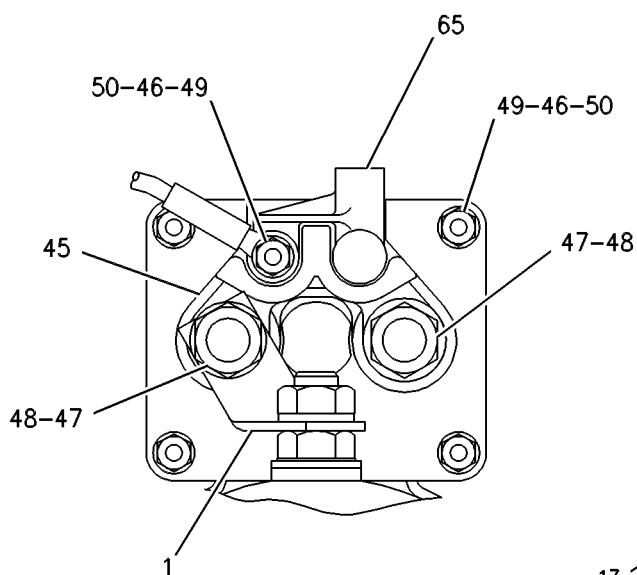
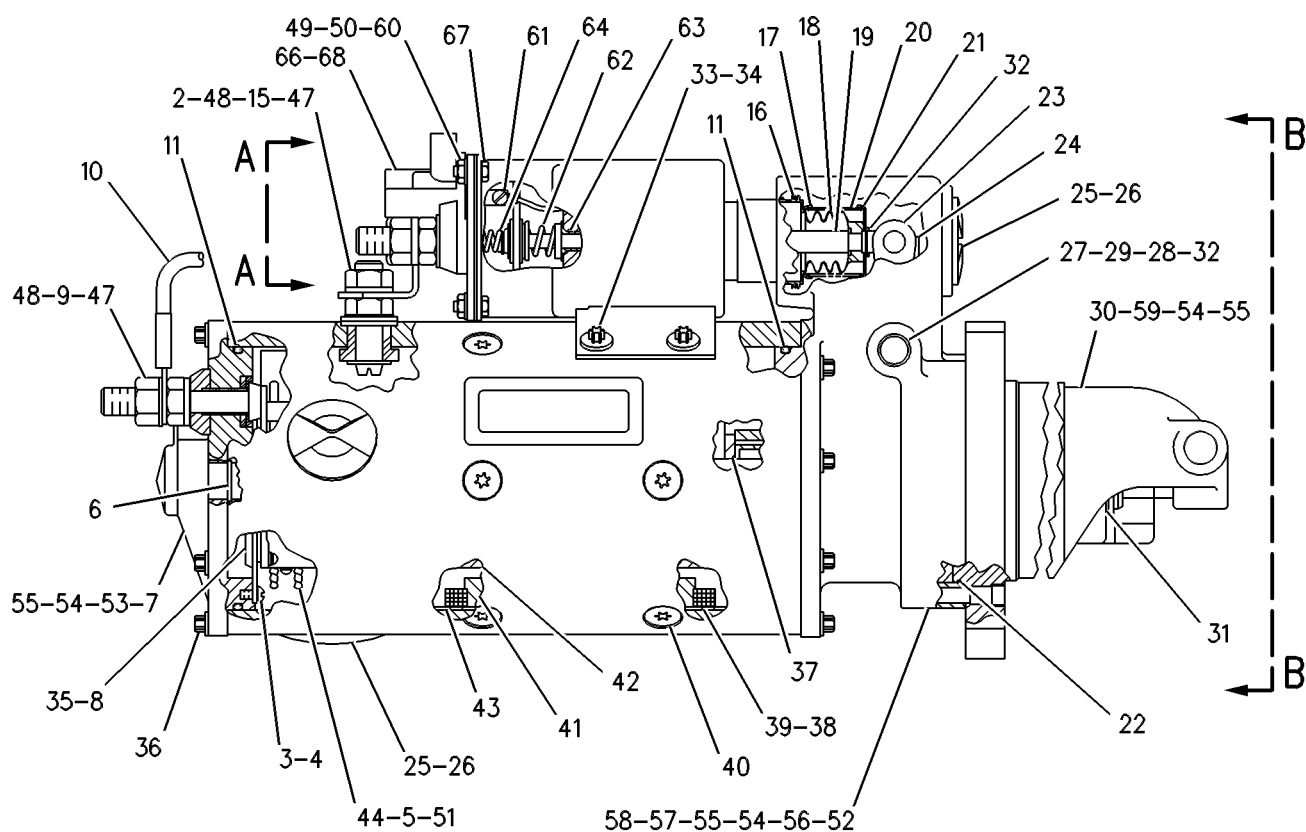
i01585385

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	46	1	8F-1434	2	LOCKWASHER						
	47	1	6V-8188	6	NUT (1/2-13 THD)						
	48	1	7X-0562	6	WASHER-HARD (13.5X19X0.8MM THK)						
	49	1	4B-2049	6	NUT (10-32 THD)						
	50	1	8T-0328	10	WASHER-HARD (5.5X10X1MM THK)						
	51	1	3T-9494	6	SPRING-BRUSH						
	52	1	3E-7771	1	HOUSING AS						
	53	1	9G-4101	1	BUSHING-END						
	54	1	3T-3424	3	PLUG-FELT						
	55	1	3T-3423	3	CUP						
	56	1	1M-9968	1	BUSHING						
	57	1	2F-6678	1	SEAL-LIP						
	58	1	4L-2729	1	WASHER (0.844X1.9X0.188 IN THK)						
	59	1	4M-1896	1	BUSHING-TERMINAL						
	60	1	045-4065	4	SCREW-MACHINE (10-32X0.75 IN)						
	61	1	6V-8373	3	SCREW-MACHINE (6-32X0.187 IN)						
	62	1	9G-6770	1	CONTACT AS						
	63	1	6T-1120	1	BUSHING-TERMINAL						
	64	1	4M-1815	1	SPRING-CONTACT						
	65	1	125-6535	1	COVER-STARTING MOTOR						
	66	1	7T-9123	1	GASKET-PLATE						
	67	1	125-6533	1	SOLENOID AS (STARTING MOTOR 24 VOLT)						
		1	3R-8801	1	CLAMP						
	68	1	125-6536	1	TERMINAL AS						
					AVAILABLE REPAIR KIT(S) :						
				3N-3763	1	KIT-TERMINAL (STARTING MOTOR)					
					(INCLUDES INSULATOR, BUSHINGS & WASHER)						

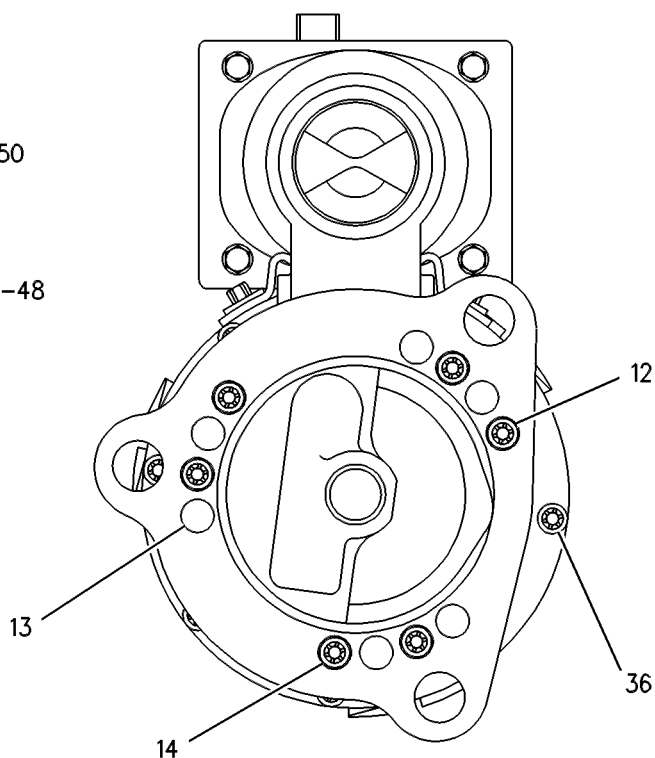
ELECTRICAL AND STARTING SYSTEM

6V-0890 STARTING MOTOR GP-ELECTRIC (contd.)

i01585385



VIEW A-A



VIEW B-B

GRAPHIC #1

g00066598

ELECTRICAL AND STARTING SYSTEM

105-4729 STARTING MOTOR GP-ELECTRIC

S/N: BPC1-UP

24 VOLT

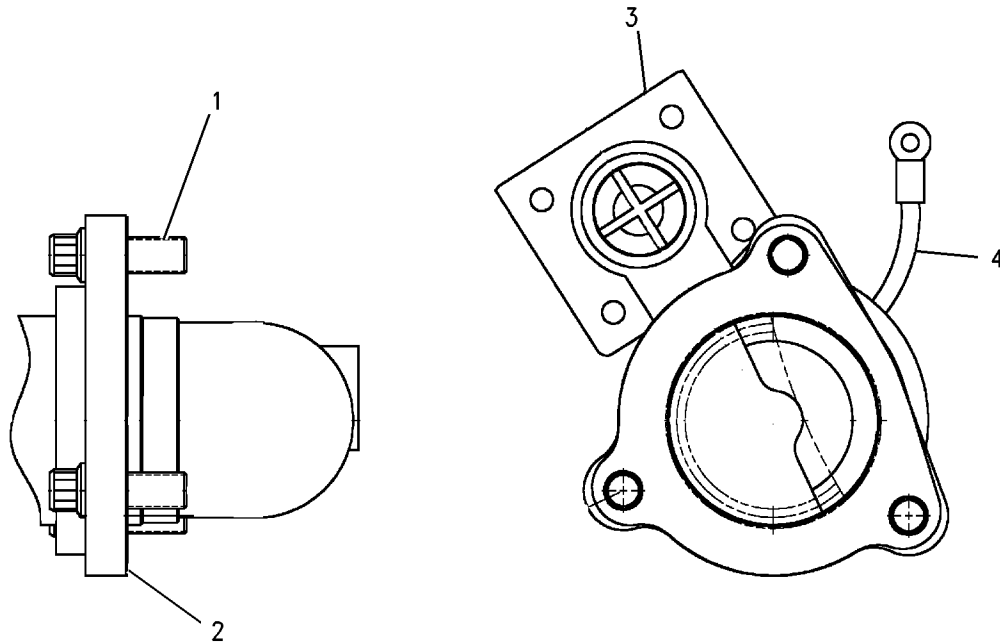
PART OF 201-4341 INSTALLATION AR-ENGINE

SMCS-1453

i01227718

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8S-2332	3	BOLT-12 POINT HEAD (5/8-11X1.75IN)						
	2	1	4N-1059	1	GASKET						
YR	3	1	6V-0890	1	STARTING MOTOR GP-ELECTRIC						188
	4	1	105-4728	1	WIRE AS						

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00658745

ELECTRICAL AND STARTING SYSTEM

164-7577 SWITCH GP-BYPASS

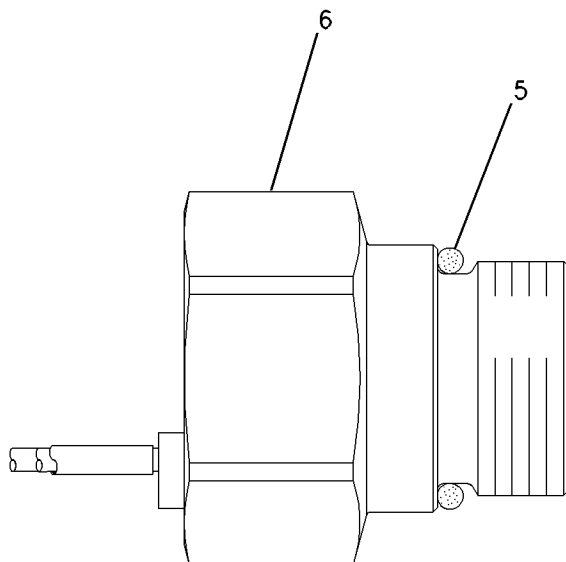
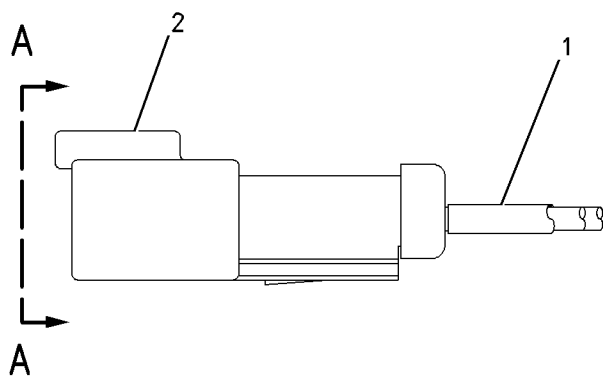
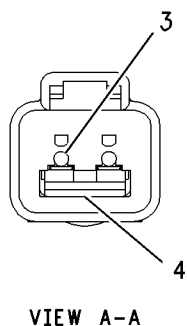
S/N: BPC1-UP

PART OF 203-1598 WIRING GP-MACHINE

SMCS-1408, 1435

i01606272

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
E	1	1	9X-1813		SLEEVE (19CM)						
	2	1	102-8802	1	KIT-RECEPTACLE (2 PIN) (BYPASS SWITCH)						
	3	1	186-3735	2	PIN-CONNECTOR						
	4	1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)						
	5	1	3D-2824	1	SEAL-O-RING						
Z	6	1		1	SWITCH AS						
E-ORDER BY THE CENTIMETER											
Z-NOT SERVICED SEPARATELY											



GRAPHIC #1

g00750019

ELECTRICAL AND STARTING SYSTEM

7N-0719 SWITCH GP-DISCONNECT

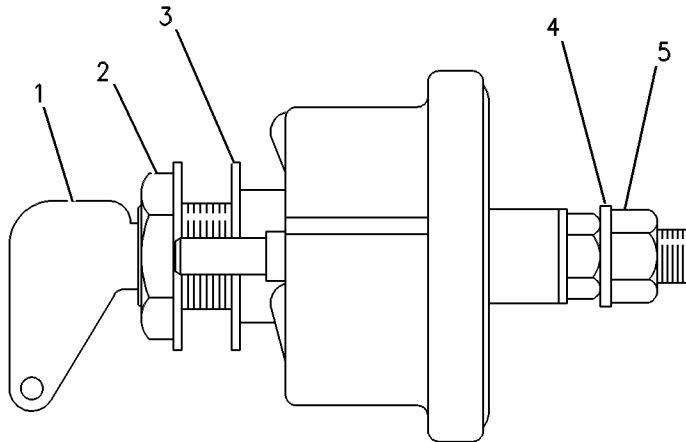
S/N: BPC1-UP

PART OF 114-5179 BATTERY & WIRING GP

SMCS-1411

i01289277

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8H-5306	1	KEY (BATTERY DISCONNECT)						
	2	1	8H-5303	1	NUT (3/4-16-2A THD)						
	3	1	2H-3922	2	LOCKWASHER (19.9X31.3X1.3MM THK)						
	4	1	9F-5644	2	LOCKWASHER (9.93X17.3X.9MM THK)						
	5	1	6F-7045	2	NUT-FULL (3/8X24 THD)						



GRAPHIC #1

g00117885

ELECTRICAL AND STARTING SYSTEM

176-8350 SWITCH GP-ENGINE BRAKE

S/N: BPC1-UP

PART OF 200-6923 ENGINE AR
AN ATTACHMENT

SMCS-7332

i01559027

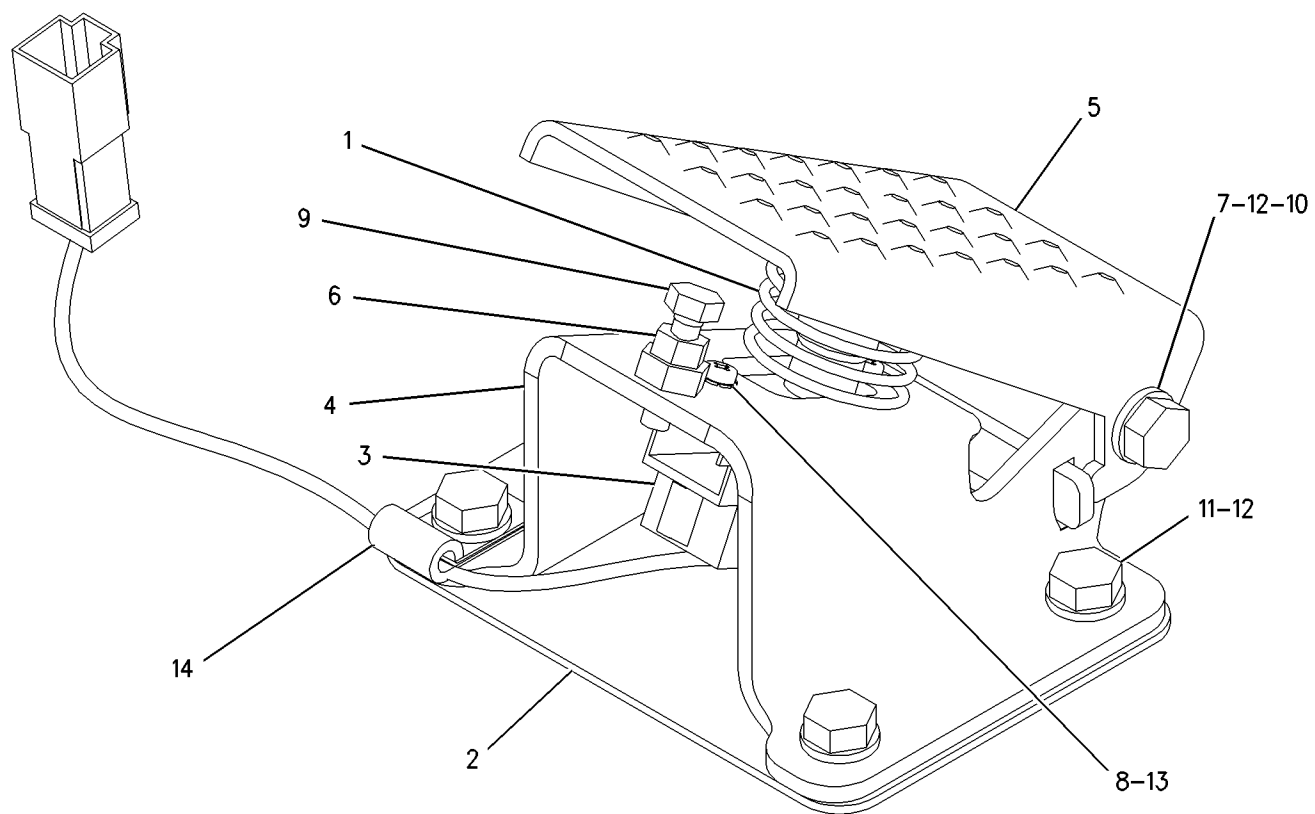
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8J-2357	1	SPRING						
	2	1	179-8107	1	BRACKET AS						
	3	1	185-6690	1	SWITCH AS-FOOT (BRAKE)						
		1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)						
		1	8T-8729	3	PIN-CONNECTOR						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	4	1	195-2251	1	BRACKET AS						
M		1	6V-9632	1	NUT-WELD (M6X1 THD)						
	5	1	195-2271	1	PEDAL AS						
M	6	1	5C-2890	1	NUT (M6X1 THD)						
M	7	1	5C-7261	1	NUT (M8X1.25 THD)						
	8	1	5H-6555	2	LOCKWASHER						
M	9	1	6V-7357	1	BOLT (M6X1.0X25MM)						
M	10	1	8T-4177	1	BOLT (M8X1.25X90MM)						
M	11	1	8T-4200	4	BOLT (M8X1.25X16MM)						
	12	1	8T-4224	6	WASHER-HARD (8.8X16X2MM THK)						
	13	1	9X-6258	2	SCREW-MACHINE (6-32X.50 IN)						
	14	1	8M-2772	1	CLIP						

M-METRIC PART

ELECTRICAL AND STARTING SYSTEM

176-8350 SWITCH GP-ENGINE BRAKE (contd.)

i01559027



GRAPHIC #1

g00843438

ELECTRICAL AND STARTING SYSTEM

134-6054 SWITCH GP-FLOW-COOLANT

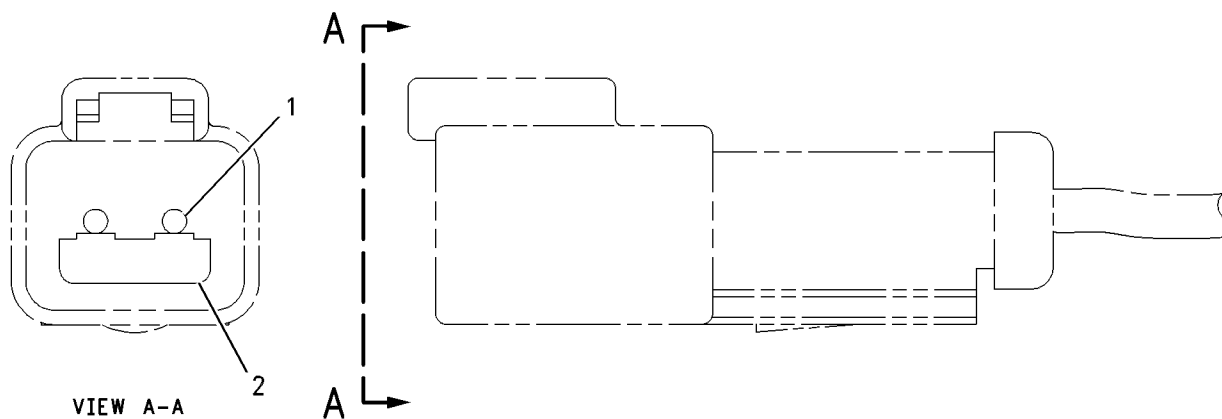
S/N: BNT1-UP

PART OF 199-1002 SENSOR GP-ENGINE
AN ATTACHMENT

SMCS-1435

i00986315

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8T-8729	2	PIN-CONNECTOR						
	2	1	3E-3365	1	WEDGE						
AVAILABLE REPAIR KIT(S) :											
			102-8802	1	KIT-RECEPTACLE (2 PIN)						
INCLUDES RECEPTACLE AS. AND WEDGE											



GRAPHIC #1

g00502937

ELECTRICAL AND STARTING SYSTEM

3E-0075 SWITCH GP-MAGNETIC

S/N: BPC1-UP

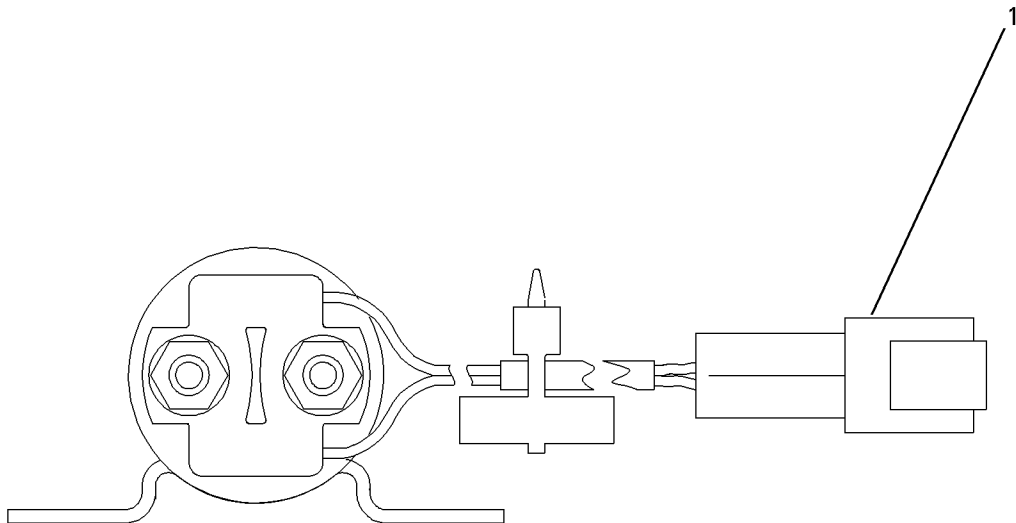
24 VOLT

PART OF 203-1603 WIRING GP-ELECTRONIC CONTROL

SMCS-7499

i01506857

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
(INCLUDES RECEPTACLE AS AND WEDGE)											



GRAPHIC #1

g00782300

ELECTRICAL AND STARTING SYSTEM

154-6699 SWITCH GP-SIGNAL

S/N: BPC1-UP

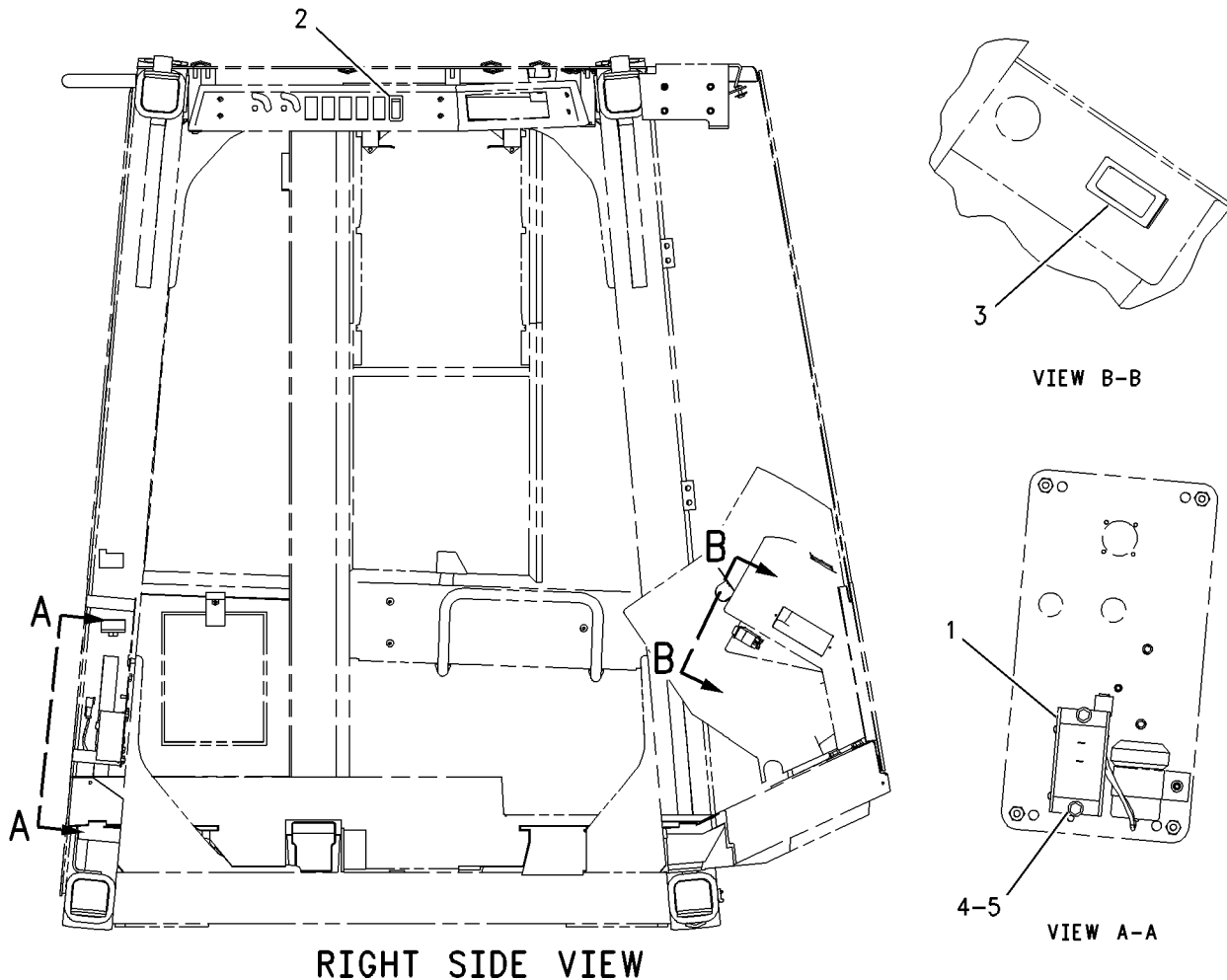
PART OF 143-8942 LIGHTING AR-FLOOD & SIGNAL
AN ATTACHMENT

SMCS-7332

i01496295

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	108-0358	1	FLASHER AS-ELECTRONIC	
	2	1	165-5957	1	SWITCH AS-ROCKER (HAZARD WARNING LIGHTS)	
	3	1	180-2568	1	SWITCH AS-ROCKER (TURN SIGNAL)	
	4	1	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)	
M	5	1	8T-4970	2	BOLT (M6X1X14MM)	

M-METRIC PART



GRAPHIC #1

g00777497

ELECTRICAL AND STARTING SYSTEM

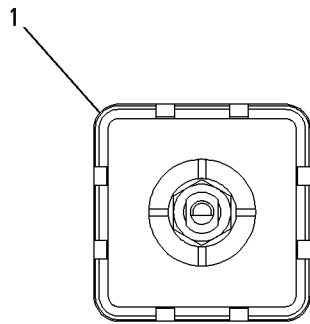
180-3732 SWITCH GP-WIPER

S/N: BPC1-UP
INTERMITTENT
AN ATTACHMENT

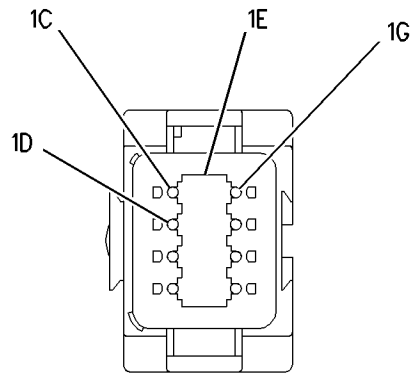
SMCS-7332

i01492974

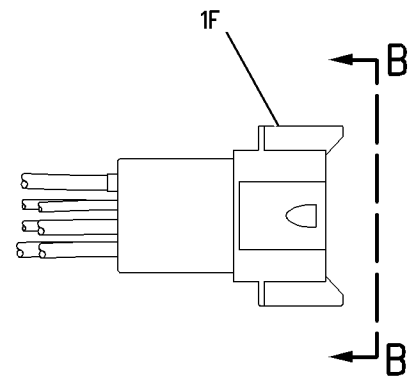
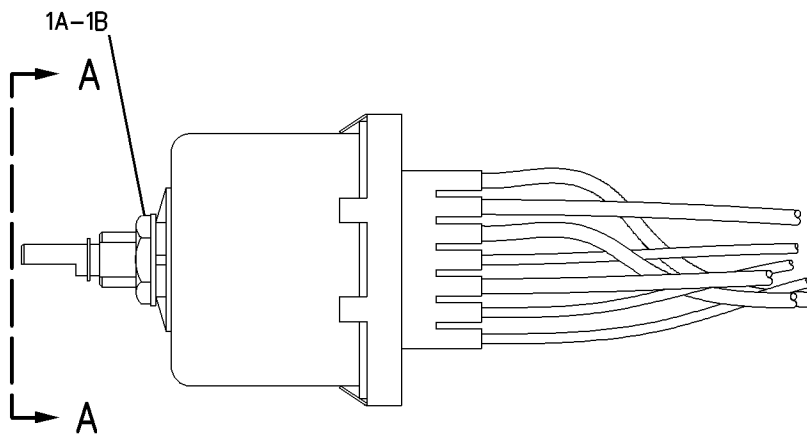
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	110-7886	1	SWITCH AS-WIPER (& WASHER) (INTERMITTENT)	
	1A	1	2H-3920	1	LOCKWASHER	
	1B	1	3E-3389	1	WEDGE-RECEPTACLE LOCK	
	1C	1	6V-8369	1	NUT (7/16-28 THD)	
	1D	1	8T-8729	3	PIN-CONNECTOR	
	1E	1	8T-8737	1	PLUG-SEAL	
	1F	1	9W-0852	4	PIN-CONNECTOR	
	1G	1	102-8806	1	KIT-RECEPTACLE (8 PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	



VIEW A-A



VIEW B-B



GRAPHIC #1

g00656684

ELECTRICAL AND STARTING SYSTEM

109-6904 WARNING GP-BACKUP

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-7406

i01495606

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	123-6449	1	ALARM AS-BACKUP	
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
D		1	5P-5677		WIRE (18 GA) (.6M)	
		1	8T-8729	2	PIN-CONNECTOR	
JM	2	1	8T-4198	2	BOLT (M10X1.5X100MM)	
J	3	1	8T-4121	2	WASHER-HARD (11X21X2.5MM THK)	
J	4	1	9U-2277	1	CLIP AS	
L	5	1	5P-9085	1	CLIP	
LM	6	1	8T-4137	1	BOLT (M10X1.5X20MM)	
L	7	1	8T-4121	1	WASHER-HARD (11X21X2.5MM THK)	
N	8	1	9X-6772	1	STRAP-CABLE	

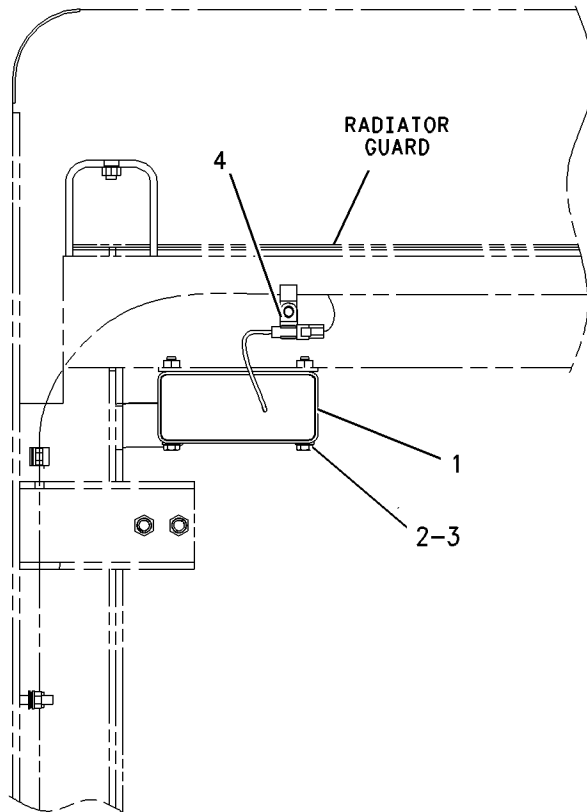
D- ORDER BY THE METER

J- FOR USE WITH 992G & 854G ONLY

L- FOR USE WITH 988G & 834G ONLY

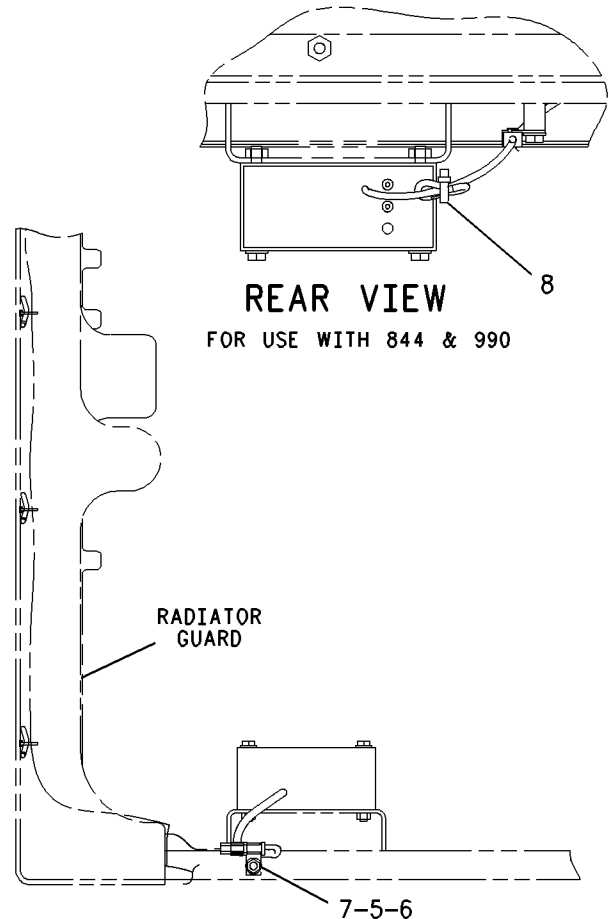
M- METRIC PART

N- FOR USE WITH 844 & 990 ONLY



REAR VIEW

FOR USE WITH 992G & 854G



REAR VIEW

FOR USE WITH 844 & 990

REAR VIEW

FOR USE WITH 988G & 834G

GRAPHIC #1

g00776469

MEMORANDA

ELECTRICAL AND STARTING SYSTEM

114-5143 WIRING GP - BUMPER

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-1408

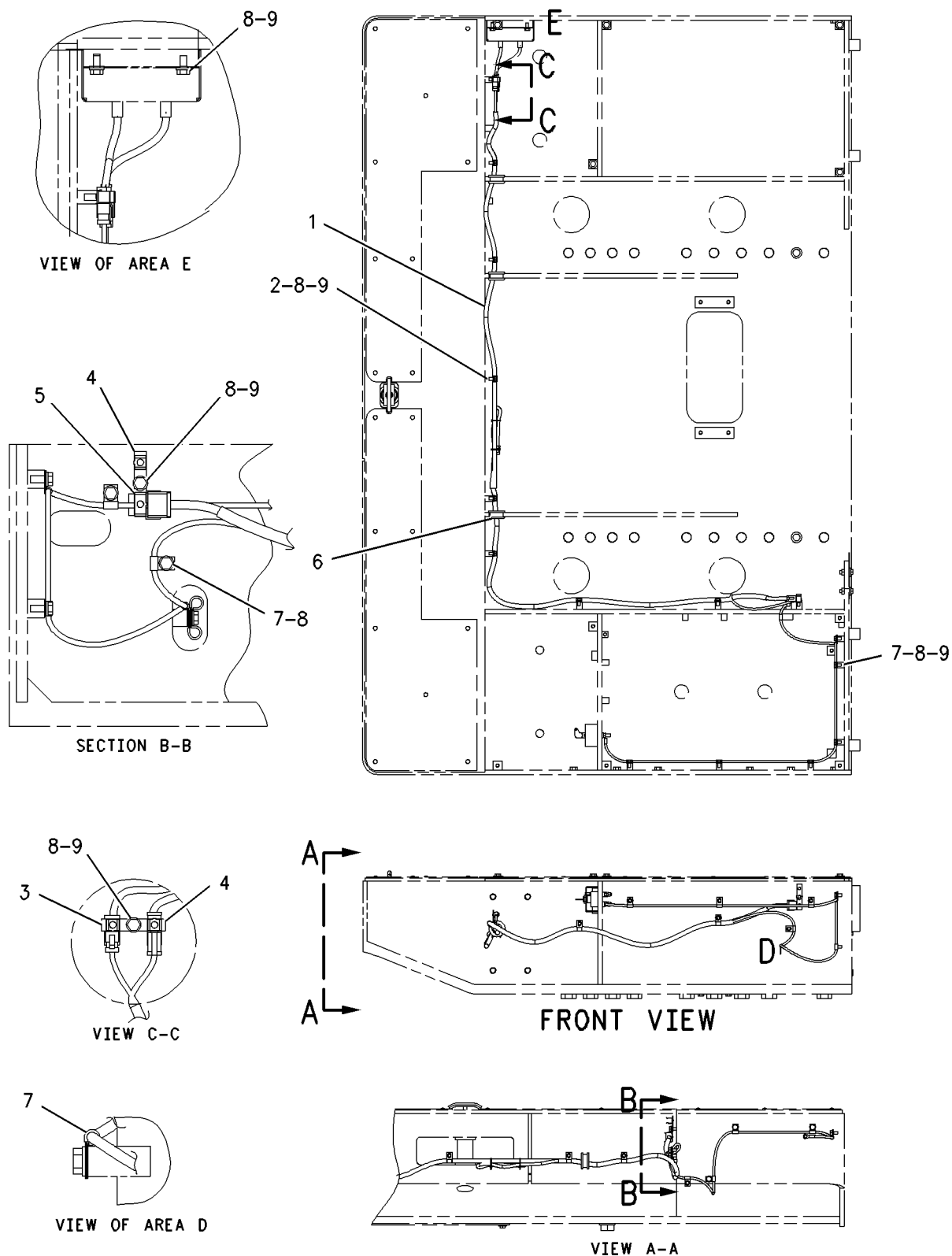
i01492975

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	141-8718	1	HARNESS AS-BUMPER						
		1	3S-2093	2	STRAP-CABLE						
	2	1	033-8248	8	CLIP						
	3	1	115-3069	1	CLIP AS-CONNECTOR						
	4	1	115-3070	2	CLIP AS-CONNECT						
	5	1	115-3073	1	CLIP AS-CONNECTING						
	6	1	1R-6072	3	GROMMET						
	7	1	5P-9085	8	CLIP						
	8	1	8T-4121	21	WASHER-HARD (11X21X2.5MM THK)						
M	9	1	8T-4137	21	BOLT (M10X1.5X20MM)						
M-METRIC PART											

ELECTRICAL AND STARTING SYSTEM

114-5143 WIRING GP-BUMPER (contd.)

i01492975



GRAPHIC #1

g00775156

ELECTRICAL AND STARTING SYSTEM

210-1649 WIRING GP-CAB

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-1408, 7301

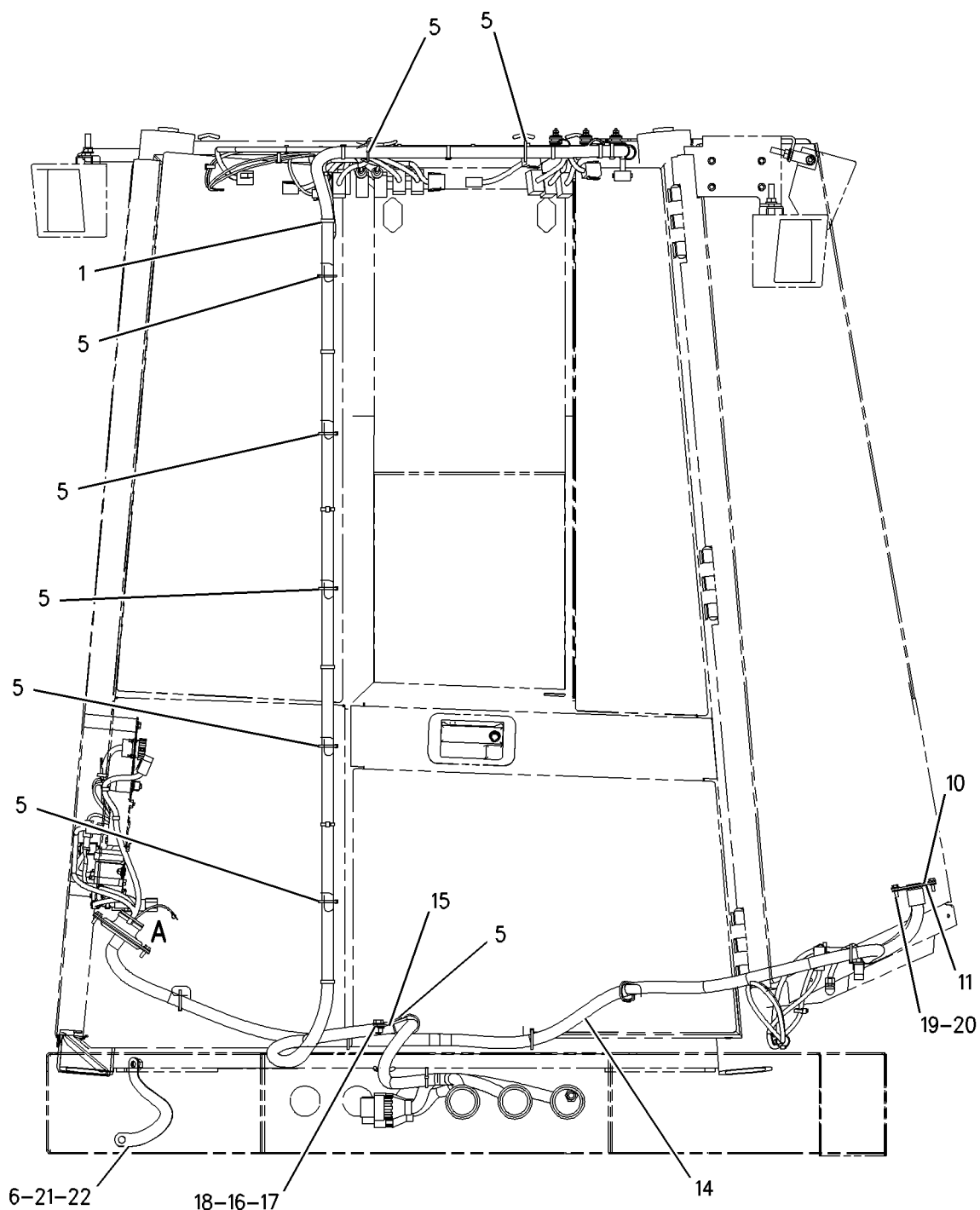
i01622768

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2,3,4	3S-2093	20	STRAP-CABLE	
	2	3	4B-2049	8	NUT (10-32 THD)	
	3	3	4V-4164	8	BUSHING-TERMINAL	
	4	3	6D-6146	4	SCREW-MACHINE (10-32X1.25)	
	5	1,3,4	7K-1181	15	STRAP-CABLE	
	6	1	8X-5803	1	STRAP AS-GROUND	
	7	3	9F-8125	8	LOCKWASHER	
	8	3	098-8968	8	WASHER (5X16X1.2MM THK)	
	9	3	118-7362	1	GROMMET-SPLIT	
	10	1	122-4429	1	PLATE	
	11	1	122-9854	1	GASKET	
	12	3	123-4627	1	GASKET	
	13	3	169-1529	2	PLATE	
	14	1	207-7893	1	HARNESS AS-CAB	
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)	
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)	
		1	102-8804	1	KIT-RECEPTACLE (4 PIN)	
		1	102-8806	1	KIT-RECEPTACLE (8 PIN)	
		1	102-8801	1	KIT-RECEPTACLE (12 PIN)	
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
		1	155-2271	1	KIT-CONNECTING PLUG (4 PIN)	
		1	155-2274	1	KIT-CONNECTING PLUG (6 PIN)	
		1	155-2265	1	KIT-CONNECTING PLUG (8 PIN)	
		1	155-2255	1	KIT-CONNECTING PLUG (12 PIN)	
		1	8N-1520	1	PLUG AS-CONNECTOR (12 PIN)	
		1	3T-0203	1	PLUG AS-CONNECTOR (20 PIN)	
		1	8N-1514	2	PLUG AS-CONNECTOR (37 PIN)	
		1	3T-3412	1	PLUG AS-CONNECTOR (37 PIN)	
		1	7G-7917	33	PLUG-SEAL	
		1	7G-7918	2	PLUG-SEAL	
		1	7G-7919	3	PLUG-SEAL	
		1	7G-7920	1	PLUG-SEAL	
		1	8T-8737	53	PLUG-SEAL	
		1	8L-8413	101	STRAP-CABLE	
		1	8N-1521	4	BELL AS-END	
		1	8N-1535	1	BELL AS-END	
		1	9X-0141	1	PLUG AS-CONNECTOR (40 PIN)	
		1	3E-4367	1	RING-RETAINING	
M		1	3E-8557	1	BOLT (M5X0.8X39.37MM)	
		1	9X-3490	2	SEAL-CONNECTOR	
		1	9X-7146	1	PLUG AS-CONNECTOR (24 PIN)	
		1	3E-4367	1	RING-RETAINING	
M		1	3E-8558	1	BOLT	
		1	9X-3265	2	SEAL-CONNECTOR	
	15	1	4P-7581	1	CLIP	
	16	1	8T-4121	2	WASHER-HARD (11X21X2.5MM THK)	
M	17	1	8T-4133	1	NUT (M10X1.5 THD)	
M	18	1	8T-4137	1	BOLT (M10X1.5X20MM)	
M	19	1,3	8T-4138	8	BOLT (M6X1X20MM)	
	20	1,3	8T-4205	8	WASHER-HARD (7.2X14.5X2MM THK)	
	21	1	8T-4223	1	WASHER-HARD (13.5X25.5X3MM THK)	
M	22	1	8T-4244	1	NUT (M12X1.75 THD)	
	23	3	9M-5870	4	GROMMET (11.11MM ID)	
M-METRIC PART						

ELECTRICAL AND STARTING SYSTEM

210-1649 WIRING GP-CAB (contd.)

i01622768



RIGHT SIDE VIEW

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

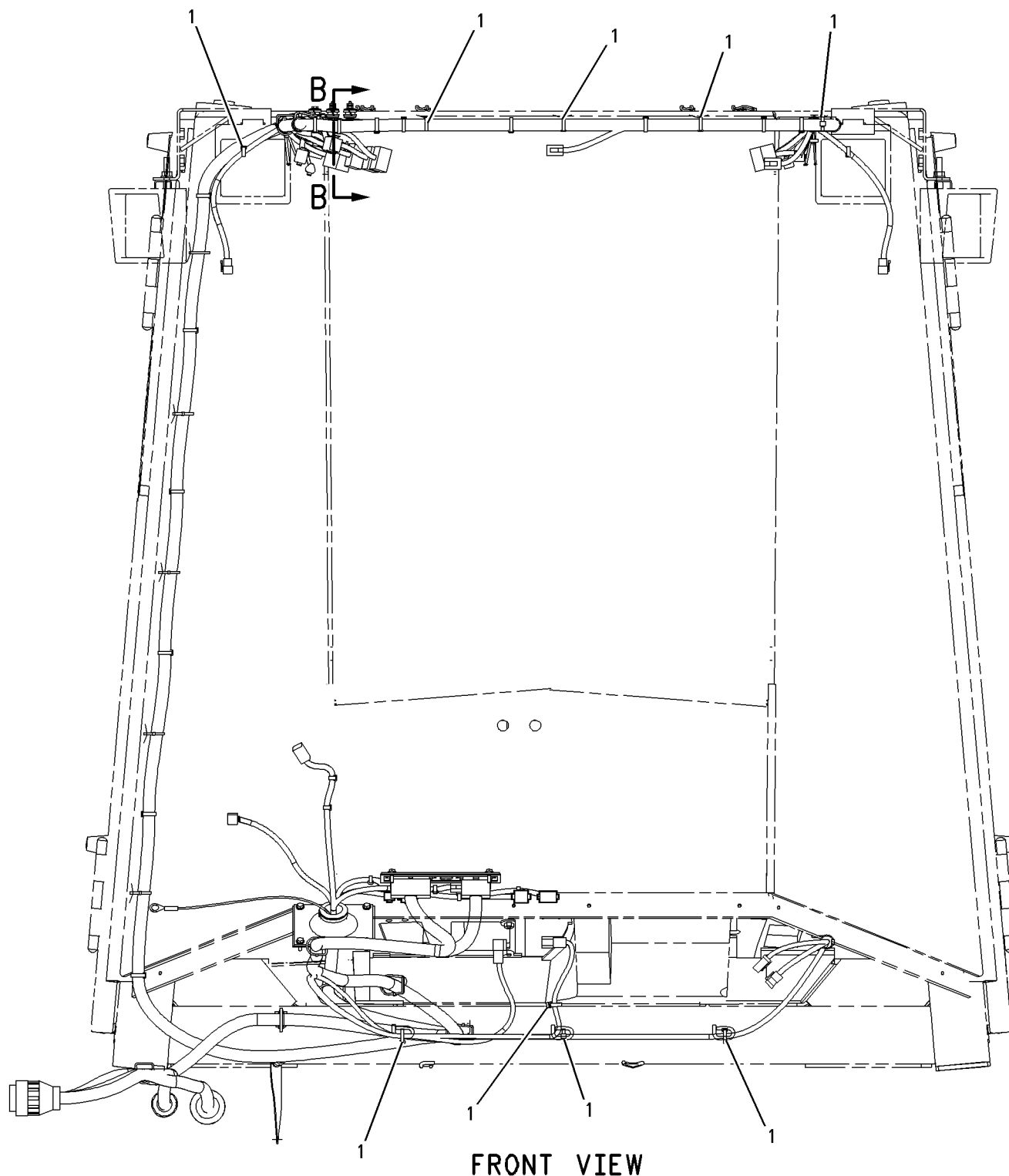
GRAPHIC #1

g00840320

ELECTRICAL AND STARTING SYSTEM

210-1649 WIRING GP-CAB (contd.)

i01622768



FRONT VIEW

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

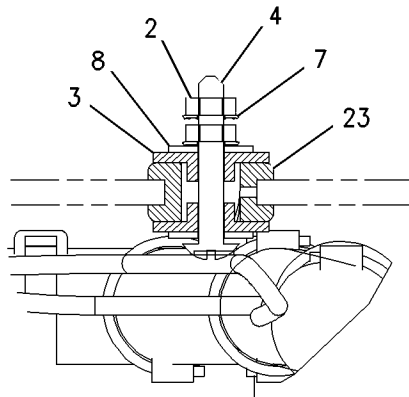
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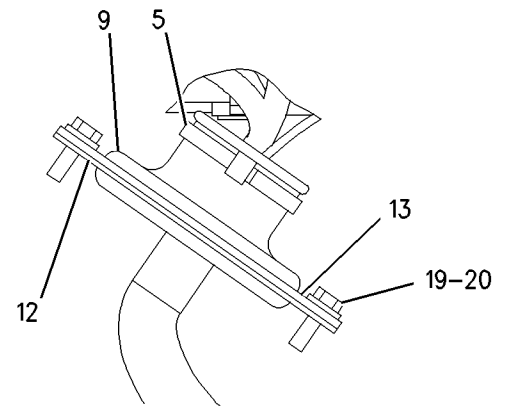
ELECTRICAL AND STARTING SYSTEM

210-1649 WIRING GP-CAB (contd.)

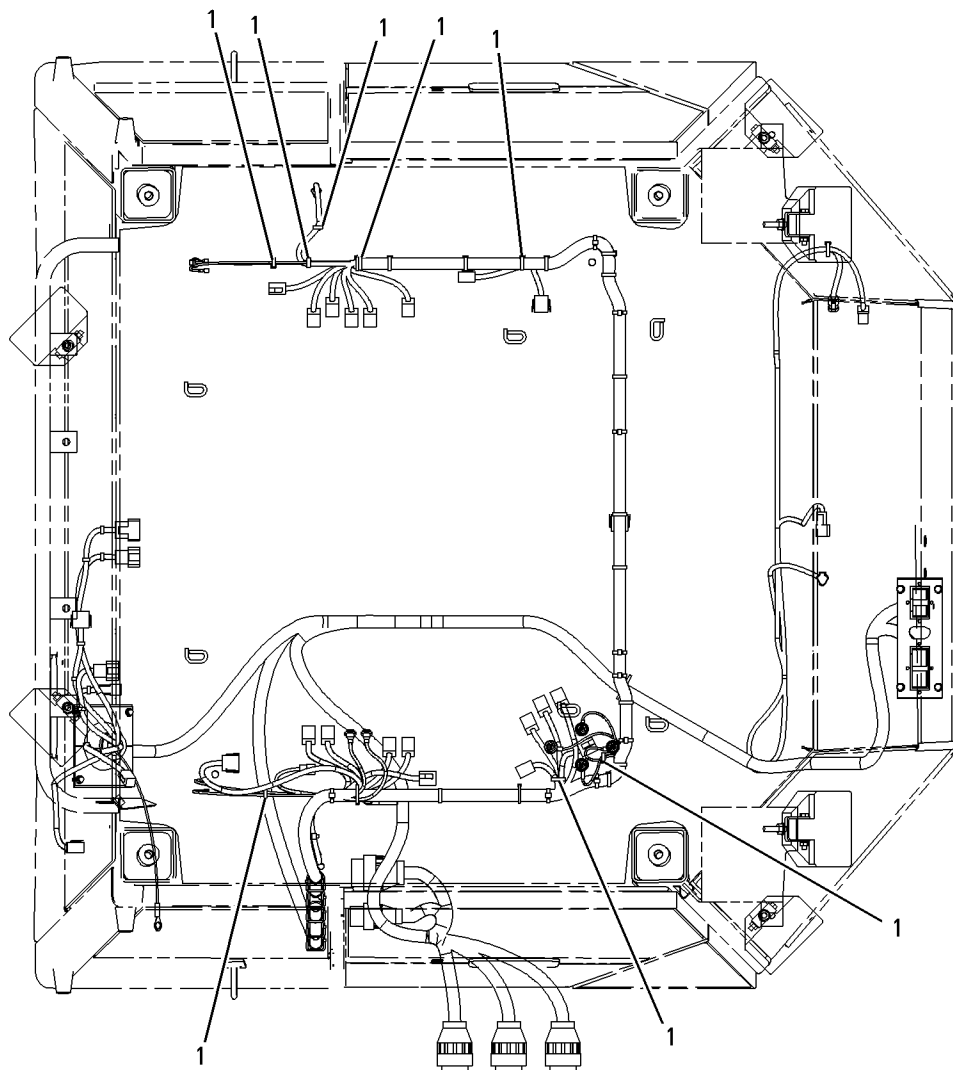
i01622768



SECTION B-B



VIEW OF AREA A



TOP VIEW

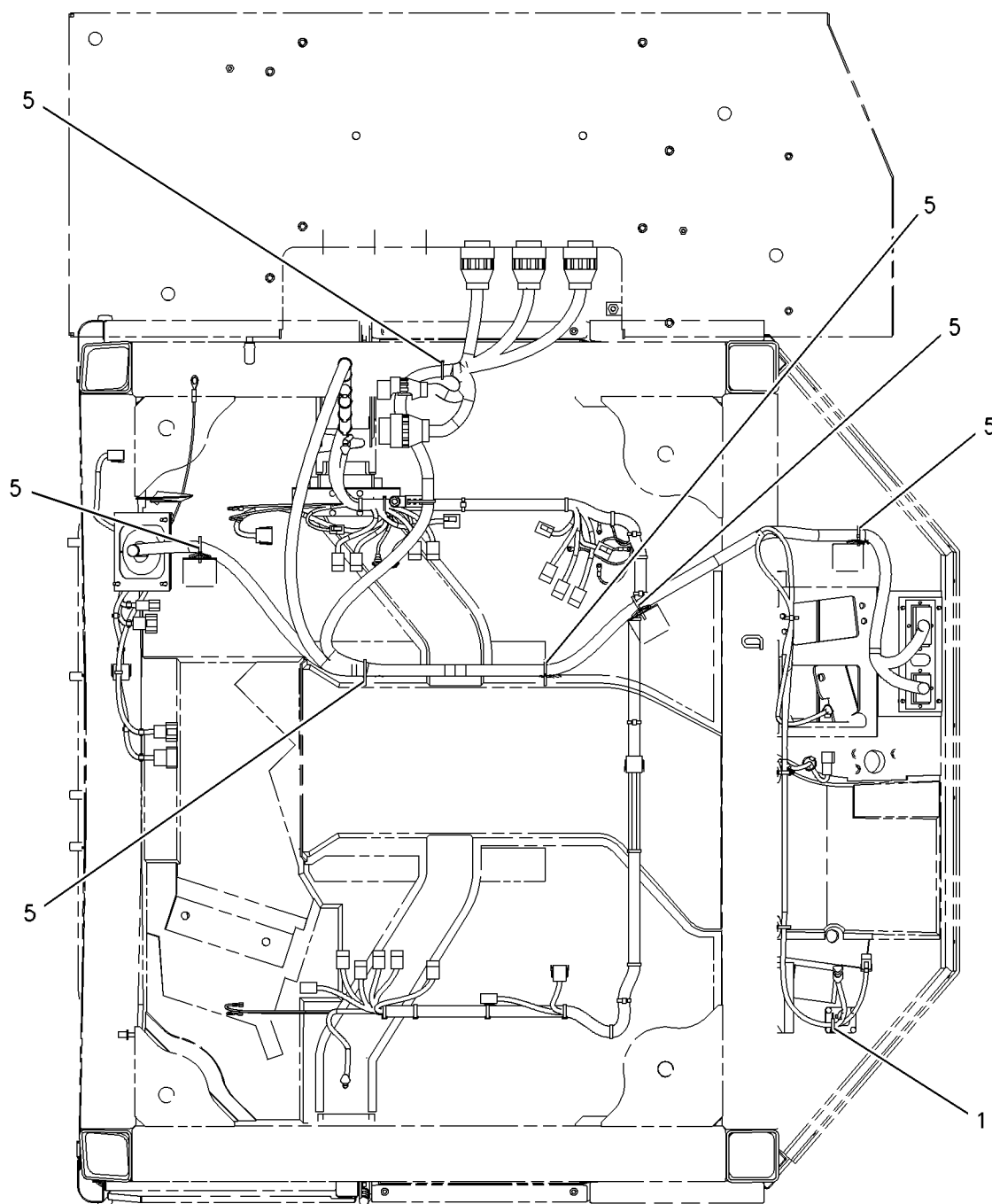
GRAPHIC #3

g00840322

ELECTRICAL AND STARTING SYSTEM

210-1649 WIRING GP-CAB (contd.)

i01622768



BOTTOM VIEW

GRAPHIC #4

g00840323

MEMORANDA

ELECTRICAL AND STARTING SYSTEM

203-1603 WIRING GP-ELECTRONIC CONTROL

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-1408

i01622957

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	134-6726	1	COVER AS	
	2	1	134-6725	1	COVER AS	
		1	1V-6755	2	LATCH AS	
		1	6V-2370	10	RIVET-POP	
M	3	1,2	8T-4137	25	BOLT (M10X1.5X20MM)	
	4	1,2	8T-4121	25	WASHER-HARD (11X21X2.5MM THK)	
	5	2	142-0358	1	TUBE	
M	6	1,2	9X-2042	11	SCREW-TRUSS HEAD (M6X1X12MM)	
	7	1	8T-4223	3	WASHER-HARD (13.5X25.5X3MM THK)	
M	8	1	8T-4244	3	NUT (M12X1.75 THD)	
	9	1	144-7261	1	FILM-IDENTIFICATION	
Y	10	1	172-9391	1	CONTROL GP-UNPROGRAMMED	136
Y	11	1	172-9389	1	CONTROL GP-UNPROGRAMMED	135
	12	2	165-4026	1	SWITCH AS-MAGNETIC	
		2	4F-2294	2	NUT-JAM (5/16-24 THD)	
		2	6V-8186	2	NUT-FULL (5/16-24 THD)	
		2	6V-8378	2	NUT (10-32 THD)	
	13	2	8T-9655	16	MOUNT (ISOLATION)	
	14	2	6I-1418	8	SPACER (8.2X12.7X28.7MM THK)	
M	15	2	7X-0818	8	BOLT (M8X1.25X45MM)	
	16	2	9N-0869	8	WASHER-HARD (8.8X25.5X2MM THK)	
	17	1	9U-2277	1	CLIP AS	
	18	2	107-3727	4	SCREW-PAN HEAD	
	19	2	4B-4274	6	WASHER (5.5X13X1.2MM THK)	
	20	2	145-3845	1	PLATE AS	
	21	2	171-2212	2	CIRCUIT BREAKER AS (105 AMP)	
					(EACH INCLUDES)	
		2	1H-3244	2	LOCKWASHER	
		2	6V-8187	2	NUT (1/4-28 THD)	
		2	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)	
	22	2	7V-9275	1	STRAP	
	23	2	3T-2662	1	CIRCUIT BREAKER AS (15 AMP)	
		2	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
		2	9B-7233	2	LOCKWASHER	
	24	2	6T-3642	1	CIRCUIT BREAKER AS (10 AMP)	
		2	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
		2	9B-7233	2	LOCKWASHER	
	25	2	6T-3643	1	CIRCUIT BREAKER AS (15 AMP)	
		2	6V-8376	2	SCREW-MACHINE (8-32X0.25 IN)	
		2	9B-7233	2	LOCKWASHER	
	26	1	9G-4360	1	CAP-CONNECTOR	
	27	2	112-1760	1	WIRE AS	
	28	1	114-0931	1	FILM-IDENTIFICATION (SERVICE CONNECTOR)	
	29	2	5P-4115	2	WASHER-HARD (7.2X19X2MM THK)	
M	30	2	8T-4138	2	BOLT (M6X1X20MM)	
	31	2	9X-8256	2	WASHER (6.6X12X2MM THK)	
M	32	2	5C-2890	2	NUT (M6X1 THD)	
	33	2	9G-8451	1	BLOCK AS	
		2	1H-3244	1	LOCKWASHER	
		2	4B-4276	2	WASHER (7X16X1.6MM THK)	
		2	4L-7124	1	BOLT (1/4-20X1.25 IN)	
		2	6V-8185	2	NUT (1/4-20 THD)	
Y	34	1	3E-0075	1	SWITCH GP-MAGNETIC	197
	35	2	3S-2093	2	STRAP-CABLE	
	36	1	3E-5239	1	RELAY AS (24 VOLT) (CAB FLOOD LIGHT)	
	37	1,2	4P-8134	3	CLIP	

ELECTRICAL AND STARTING SYSTEM

203-1603 WIRING GP-ELECTRONIC CONTROL (contd.)

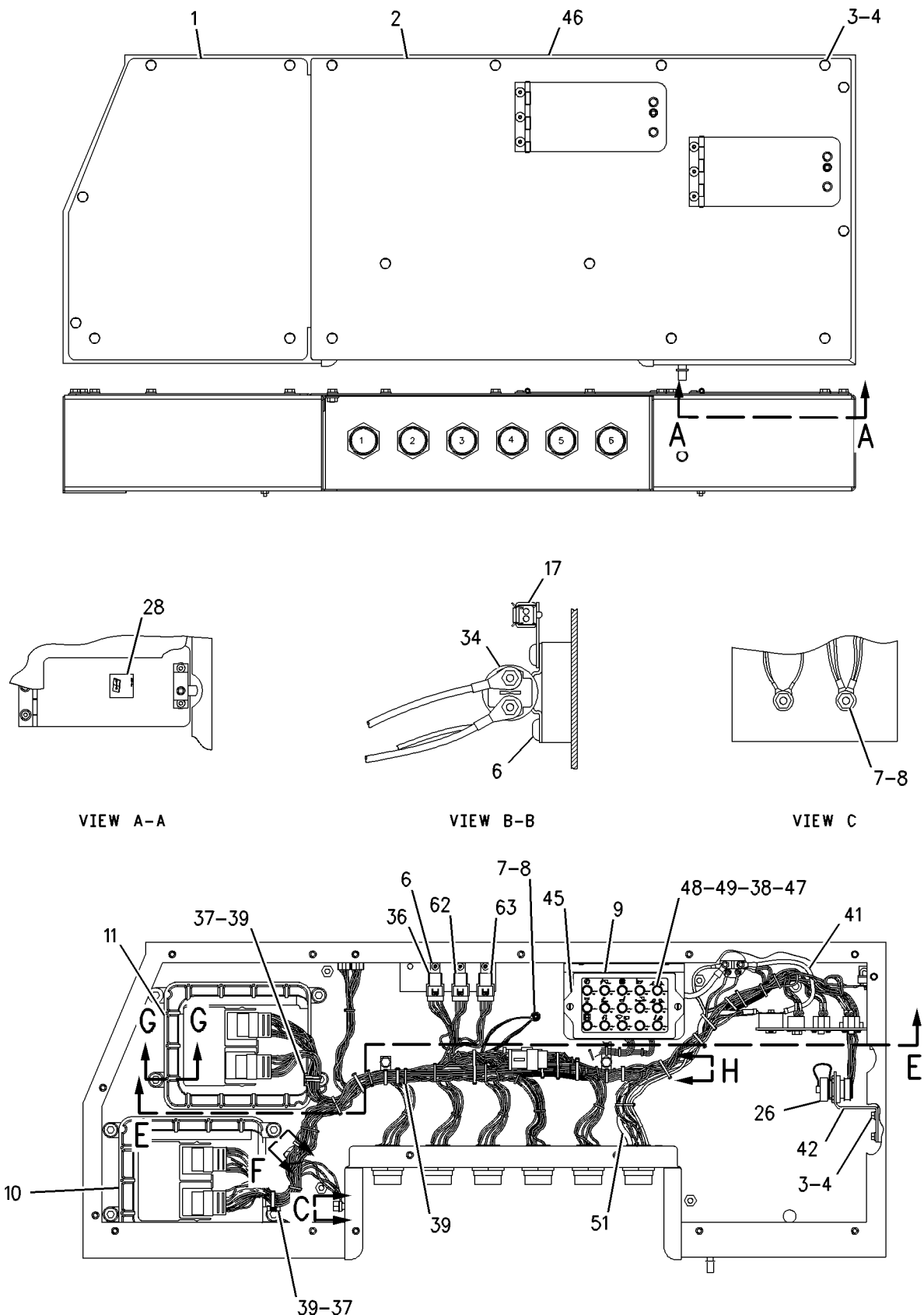
i01622957

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	38	1	4K-5122	15	HOLDER AS-FUSE (EACH INCLUDES)	
		1	139-0178	1	CAP	
	39	1, 2	9X-6772	22	STRAP-CABLE	
	40	2	112-1761	2	HARNESS AS-PANEL (FUSE) (EACH INCLUDES)	
		2	1S-9593	3	STRAP-CABLE	
	41	1	141-8698	1	WIRE AS	
	42	1	144-2186	1	PLATE	
	43	2	164-3766	2	SCREW	
	44	2	170-9372	1	COVER	
	45	1	144-2223	1	GASKET	
Y	46	1	134-6724	1	ENCLOSURE GP-WIRING	142
	47	1	8M-8948	3	FUSE (15 AMP)	
	48	1	8M-0456	1	FUSE (20 AMP)	
	49	1	3K-8782	11	FUSE (10 AMP)	
	50	2	141-8700	1	HARNESS AS-ELECTRONIC CONTROL	
		2	1S-9593	13	STRAP-CABLE	
		2	155-2255	1	KIT-CONNECTING PLUG (12 PIN)	
		2	102-8801	1	KIT-RECEPTACLE (12 PIN)	
		2	8T-8737	5	PLUG-SEAL	
	51	1	203-1605	1	HARNESS AS-POWER	
		1	155-2255	1	KIT-CONNECTING PLUG (12 PIN)	
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN)	
		1	102-8801	1	KIT-RECEPTACLE (12 PIN)	
		1	7G-7917	52	PLUG-SEAL	
		1	7G-7918	2	PLUG-SEAL	
		1	7G-7919	3	PLUG-SEAL	
		1	7G-7920	1	PLUG-SEAL	
		1	8T-8737	79	PLUG-SEAL	
		1	7K-1181	37	STRAP-CABLE	
		1	8L-8413	1	STRAP-CABLE	
		1	3T-0204	1	RECEPTACLE AS (20 PIN)	
		1	3T-3410	2	RECEPTACLE AS (37 PIN)	
		1	8N-1513	2	RECEPTACLE AS (37 PIN)	
		1	8N-1517	1	RECEPTACLE AS (25 PIN)	
		1	8N-1519	1	RECEPTACLE AS	
	52	2	4P-7581	3	CLIP	
	53	2	033-8248	2	CLIP	
	54	2	192-7433	1	PLATE	
	55	2	3D-9799	6	SCREW-MACHINE (8-32X.875IN)	
	56	2	4B-4863	4	WASHER (4.7X11X1.2MM THK)	
	57	2	122-8450	1	PLATE-IDENTIFICATION (CIRCUIT BREAKER)	
	58	2	4B-1240	4	SCREW-MACHINE (10-32X1IN)	
	59	2	115-9346	1	PLATE-IDENTIFICATION (CIRCUIT BREAKER)	
	60	2	164-3765	2	RETAINER	
	61	2	9G-4224	2	RECEPTACLE	
	62	1	3E-5239	1	RELAY AS (24 VOLT) (MACHINE FLOOD LIGHT)	
	63	1	3E-5239	1	RELAY AS (24 VOLT) (ETHER START AID)	
M-METRIC PART						
Y-SEPARATE ILLUSTRATION						

ELECTRICAL AND STARTING SYSTEM

203-1603 WIRING GP-ELECTRONIC CONTROL (contd.)

i01622957



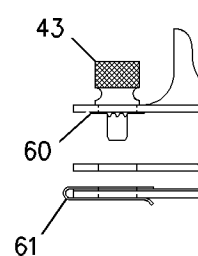
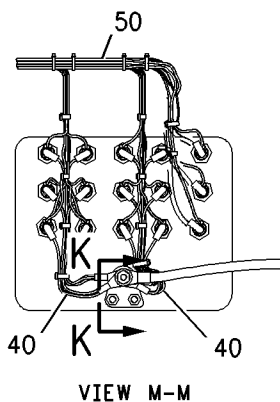
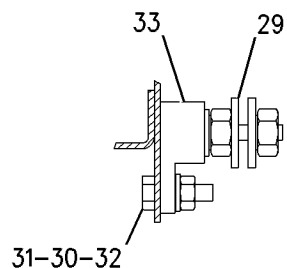
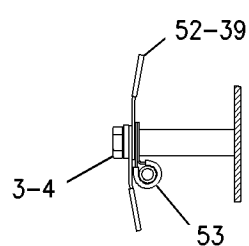
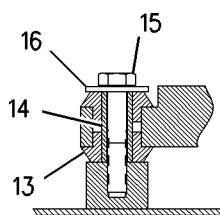
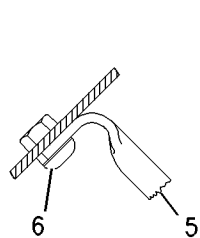
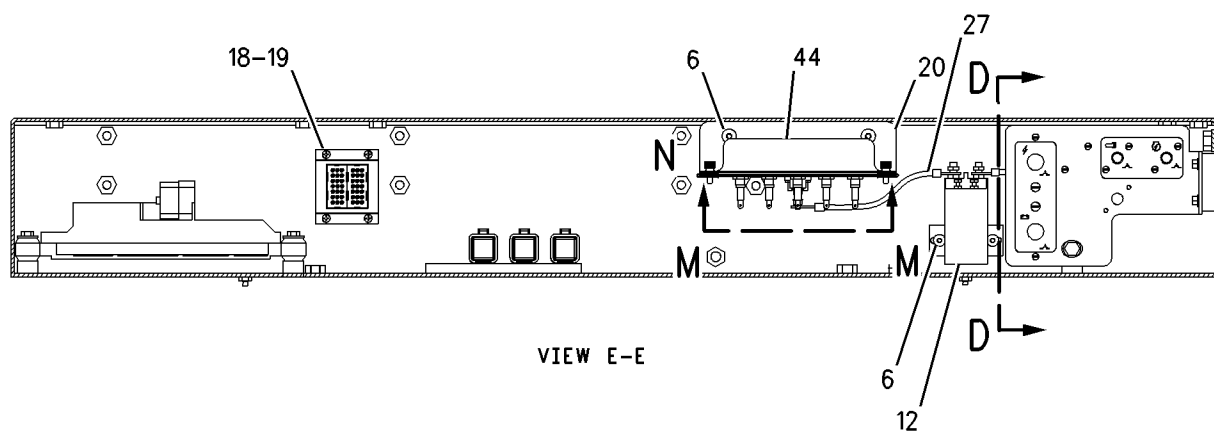
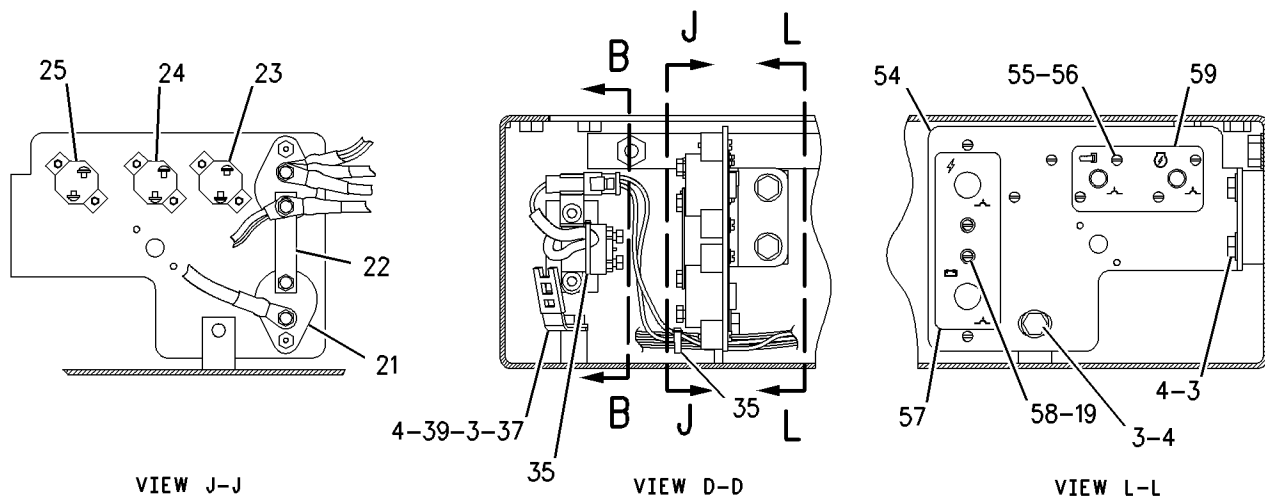
GRAPHIC #1

g00781129

ELECTRICAL AND STARTING SYSTEM

203-1603 WIRING GP-ELECTRONIC CONTROL (contd.)

i01622957



GRAPHIC #2

g00781130

ELECTRICAL AND STARTING SYSTEM

199-6551 WIRING GP-ENGINE

S/N: BNT1-UP

PART OF 198-6493, 198-6494 ENGINE AR-COMplete
AN ATTACHMENT

SMCS-1403, 1408

i01606925

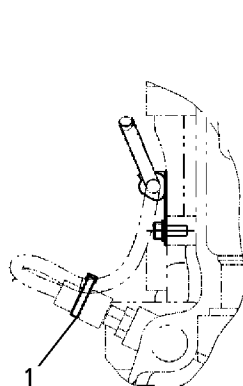
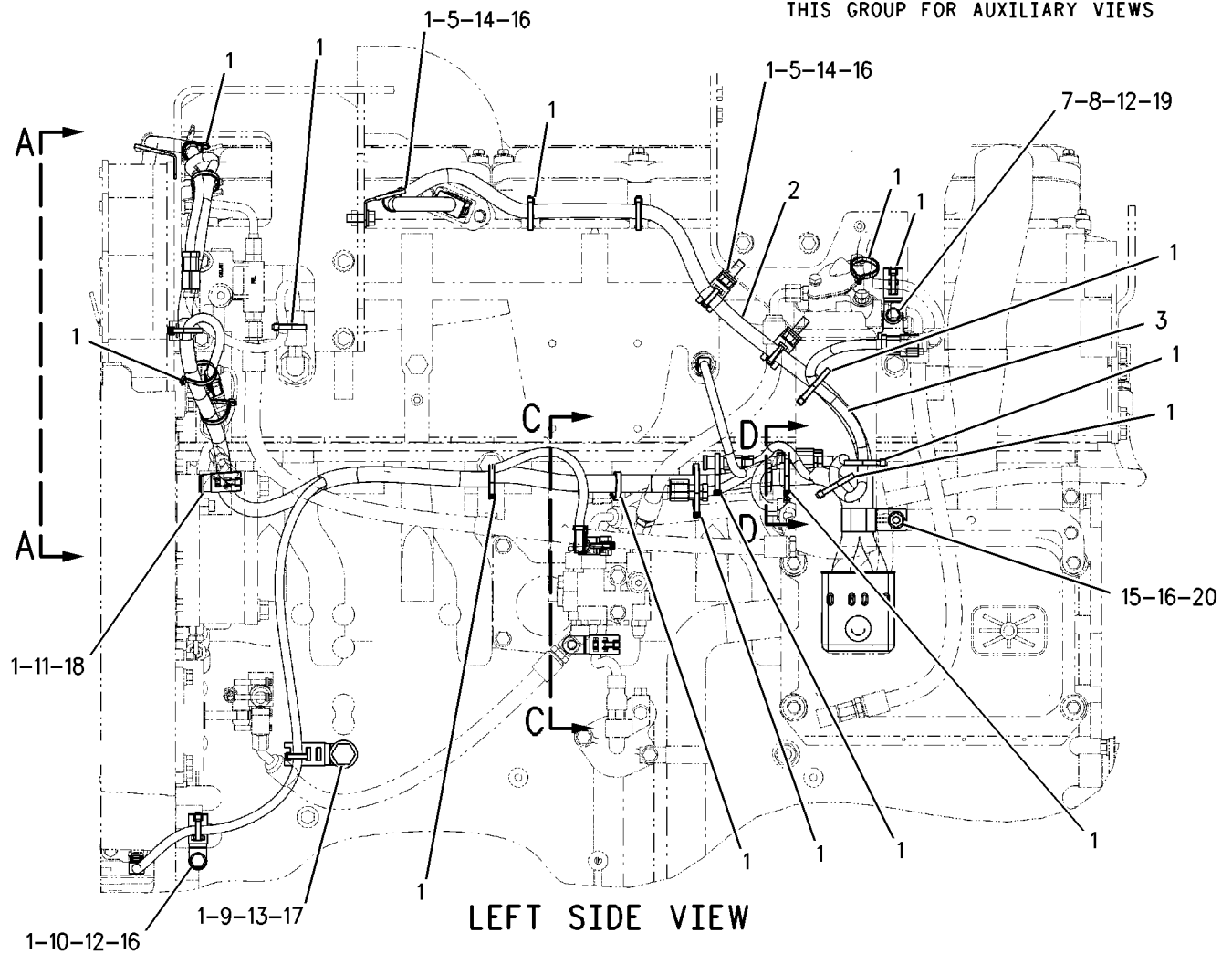
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	3S-2093	31	STRAP-CABLE	
	2	1	176-0274	1	HARNESS AS-ENGINE	
		1	160-7690	1	PLUG AS-CONNECTOR (70 PIN)	
		1	155-2270	7	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS AND WEDGE)	
		1	155-2255	1	KIT-CONNECTING PLUG (12 PIN) (INCLUDES PLUG AS AND WEDGE)	
		1	102-8803		KIT-RECEPTACLE (3 PIN) (INCLUDES RECEPTACLE AS AND WEDGE)	
		1	102-8802	2	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS AND WEDGE)	
	3	1	180-5947	1	HARNESS AS-WIRING	
	4	1,2	0S-0509	2	BOLT (3/8-16X0.75 IN)	
	5	1	0S-1594	3	BOLT (3/8-16X1 IN)	
	6	2	0S-1617	1	BOLT (5/16-18X0.75 IN)	
	7	1	0S-1618	1	BOLT (5/16-18X1 IN)	
	8	1,2	130-5300	2	CLIP	
	9	1	1A-4273	1	BOLT (5/8-18X1.25IN)	
	10	1	3B-1915	1	BOLT (3/8-16X1.37 IN)	
	11	1	4P-7429	1	CLIP	
	12	1,2	4P-7581	4	CLIP	
	13	1	4P-7582	1	CLIP	
	14	1,2	4P-8134	7	CLIP	
	15	1	4S-4456	1	CLIP	
	16	1,2	5M-2894	7	WASHER-HARD (10.2X18.5X2.5MM THK)	
	17	1	5P-8247	1	WASHER-HARD (17X32X3.5MM THK)	
	18	1	8T-4223	1	WASHER-HARD (13.5X25.5X3MM THK)	
	19	1,2	9M-1974	2	WASHER-HARD (8.8X16X2MM THK)	
	20	1	9S-8752	1	NUT-FULL (3/8-16 THD)	

ELECTRICAL AND STARTING SYSTEM

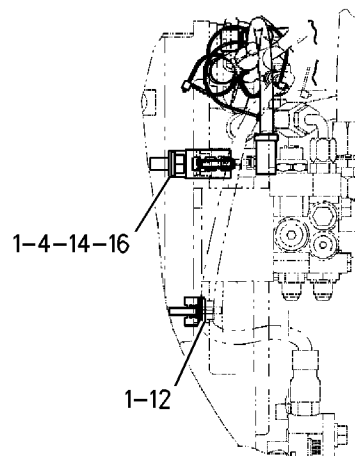
199-6551 WIRING GP-ENGINE (contd.)

i01606925

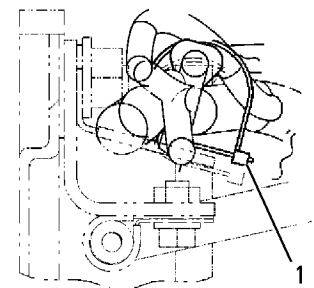
REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



SECTION E-E



SECTION C-C



SECTION D-D

GRAPHIC #1

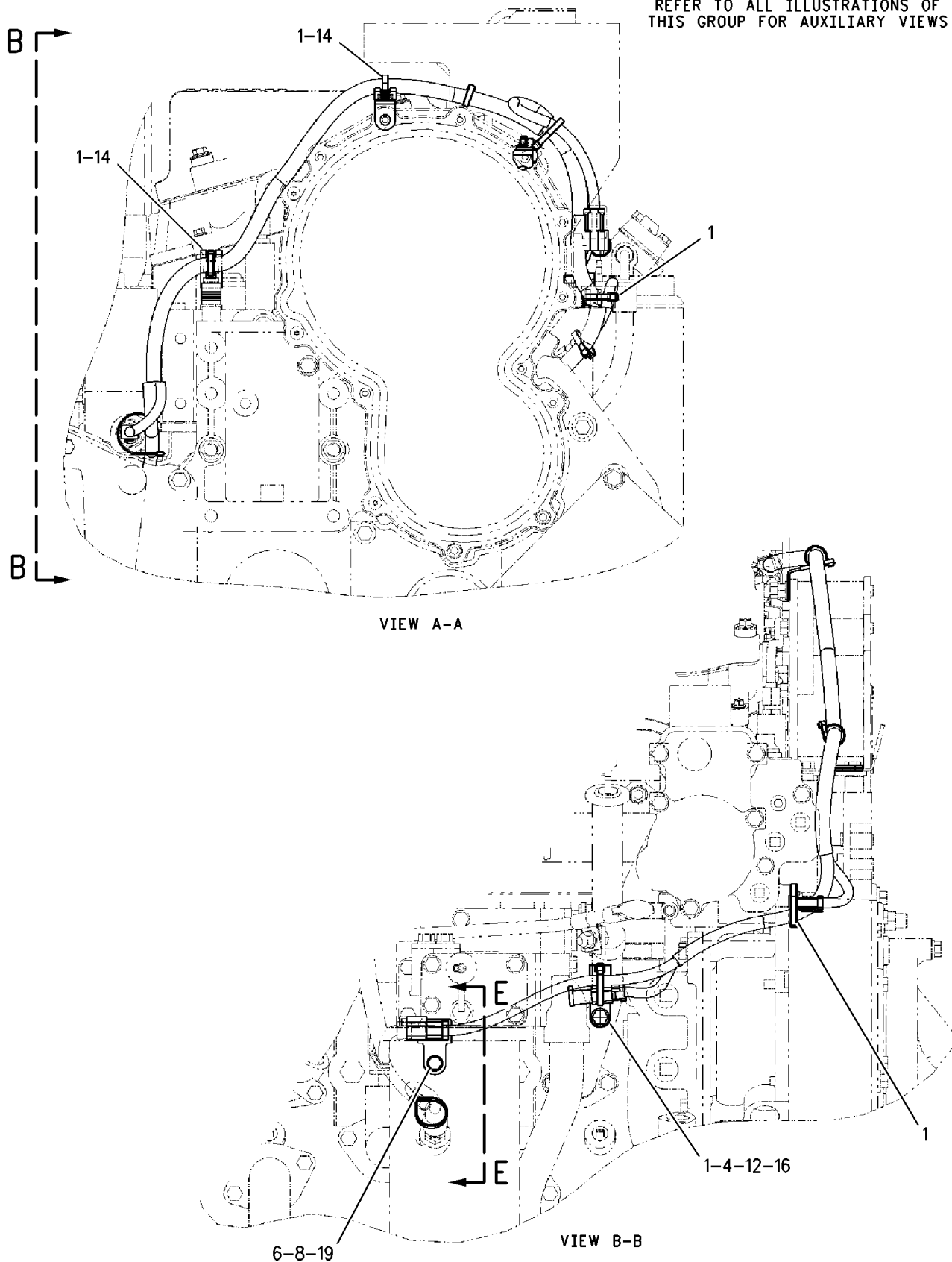
g00841797

ELECTRICAL AND STARTING SYSTEM

199-6551 WIRING GP-ENGINE (contd.)

i01606925

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



GRAPHIC #2

g00841798

MEMORANDA

ELECTRICAL AND STARTING SYSTEM

203-0973 WIRING GP-ENGINE

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-1403, 1408

i01623056

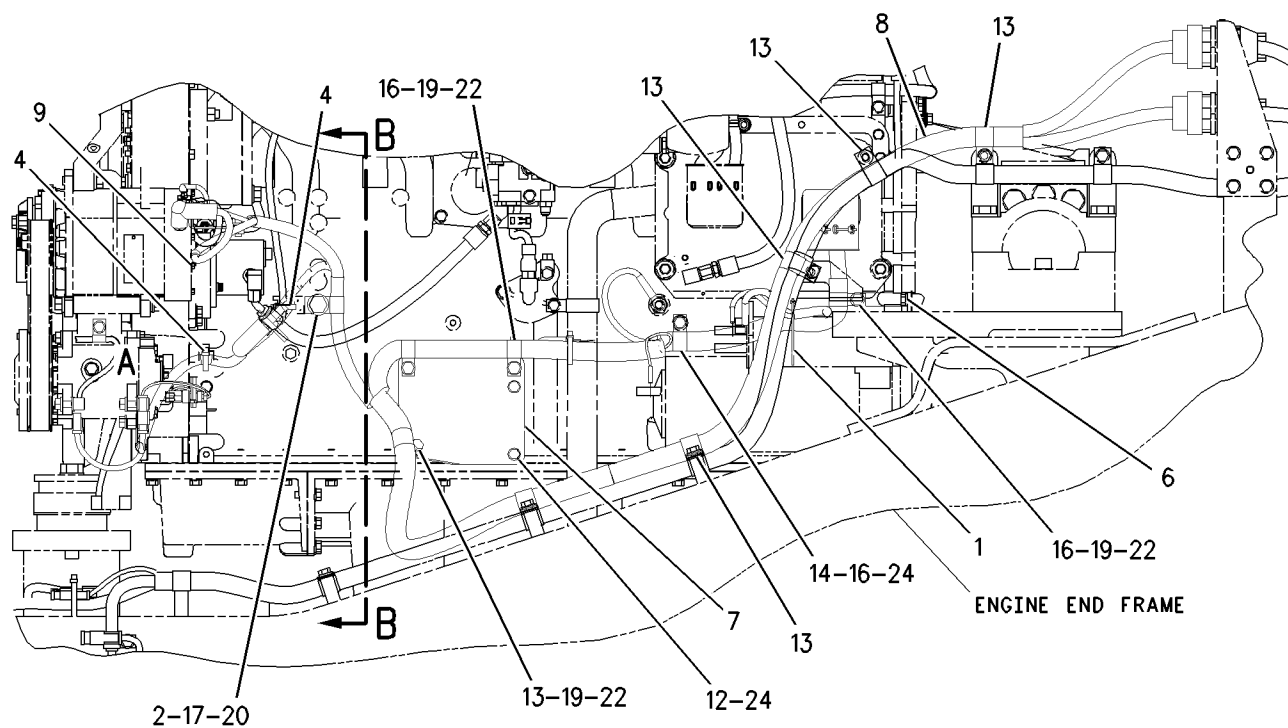
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7K-1181	1	STRAP-CABLE						
	2	1	8C-7528	1	CLIP						
	3	1	9U-2277	2	CLIP AS						
	4	1	9X-6772	3	STRAP-CABLE						
	5	1	114-5333	1	SWITCH AS-PRESSURE (REFRIGERANT)						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)						
	6	1	116-4491	2	BRACKET AS						
					(EACH INCLUDES)						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
	7	1	152-2944	1	STRIP AS						
M		1	8T-3490	3	NUT-WELD (M10X1.5 THD)						
	8	1	203-0971	1	HARNESS AS-ENGINE						
		1	7G-7917	18	PLUG-SEAL						
		1	7G-7918	2	PLUG-SEAL						
		1	7G-7919	1	PLUG-SEAL						
		1	7G-7920	1	PLUG-SEAL						
		1	8T-8737	45	PLUG-SEAL						
		1	7K-1181	1	STRAP-CABLE						
		1	9X-6772	4	STRAP-CABLE						
	9	1	2V-3216	1	CLIP						
	10	1	4D-9517	1	CLIP						
	11	1	4K-8864	1	CLIP						
	12	1	4L-6454	3	BOLT (3/8-16X1 IN)						
	13	1	4S-1962	6	CLIP						
	14	1	5M-3062	1	BOLT (3/8-16X0.75 IN)						
	15	1	5P-9085	1	CLIP						
	16	1	6D-4244	4	CLIP						
	17	1	6F-7316	1	BOLT (5/8-18X1IN)						
	18	1	8M-2771	1	CLIP						
	19	1	8T-4121	11	WASHER-HARD (11X21X2.5MM THK)						
	20	1	8T-4122	1	WASHER-HARD (17X32X3.5MM THK)						
M	21	1	8T-4133	3	NUT (M10X1.5 THD)						
M	22	1	8T-4137	5	BOLT (M10X1.5X20MM)						
M	23	1	8T-4195	3	BOLT (M10X1.5X30MM)						
	24	1	8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
	25	1	9X-7378	1	SEAL-O-RING						

M-METRIC PART

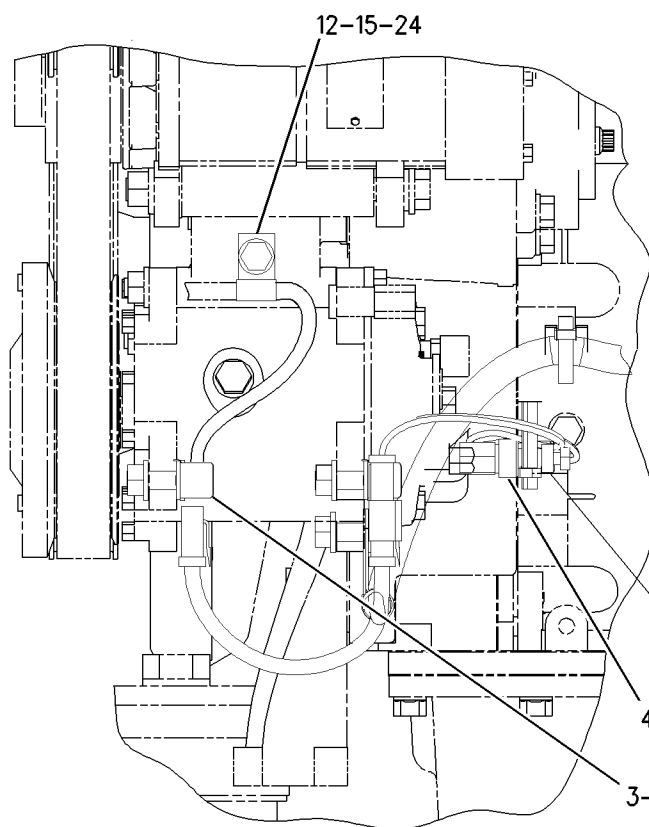
ELECTRICAL AND STARTING SYSTEM

203-0973 WIRING GP-ENGINE (contd.)

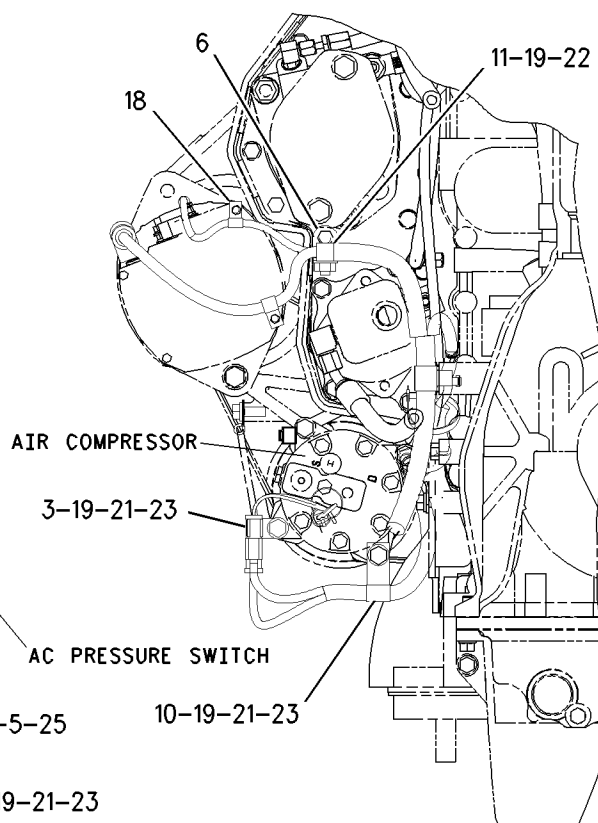
101623056



RIGHT SIDE VIEW



VIEW OF AREA A



SECTION B-B

GRAPHIC #1

g00840058

ELECTRICAL AND STARTING SYSTEM

143-3690 WIRING GP-FRONT

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-5734

i01623486

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	2T-3019	5	CLIP	
	2	1	9X-6772	2	STRAP-CABLE	
	3	1	5V-6152	6	CLAMP	
	4	1	5V-6153	3	PLATE-COVER	
	5	1	9U-2277	1	CLIP AS	
	6	1	9X-3495	1	CLIP AS	
Y	7	1	131-0427	1	SENSOR GP-TEMPERATURE (FRONT AXLE OIL)	185
	8	1	144-3945	1	ANGLE	
	9	1	144-3957	1	CHAIN	
	10	1	144-3960	1	HARNES AS-AXLE OIL COOLER (FRONT TEMPERATURE SENSOR)	
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
	11	1	144-3975	1	HANGER-CLAMP	
	12	1	160-2430	1	HARNES AS-FRONT	
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN)	
		1	155-2265	1	KIT-CONNECTING PLUG (8 PIN)	
		1	155-2274	1	KIT-CONNECTING PLUG (6 PIN)	
		1	155-2255	2	KIT-CONNECTING PLUG (12 PIN)	
		1	8T-8737	1	PLUG-SEAL	
	13	1	3J-1907	1	SEAL-O-RING	
	14	1	1S-0994	2	CLIP	
M	15	1	5C-2890	4	NUT (M6X1 THD)	
	17	1	7N-3718	3	CLIP	
	18	1	8T-4121	9	WASHER-HARD (11X21X2.5MM THK)	
M	19	1	8T-4133	2	NUT (M10X1.5 THD)	
M	20	1	8T-4137	4	BOLT (M10X1.5X20MM)	
M	21	1	8T-4183	3	BOLT (M12X1.75X40MM)	
M	22	1	8T-4185	1	BOLT (M10X1.5X50MM)	
M	23	1	8T-4195	3	BOLT (M10X1.5X30MM)	
	24	1	8T-4223	3	WASHER-HARD (13.5X25.5X3MM THK)	
M	25	1	8T-6974	6	BOLT (M6X1X80MM)	
	26	1	9X-8256	10	WASHER (6.6X12X2MM THK)	

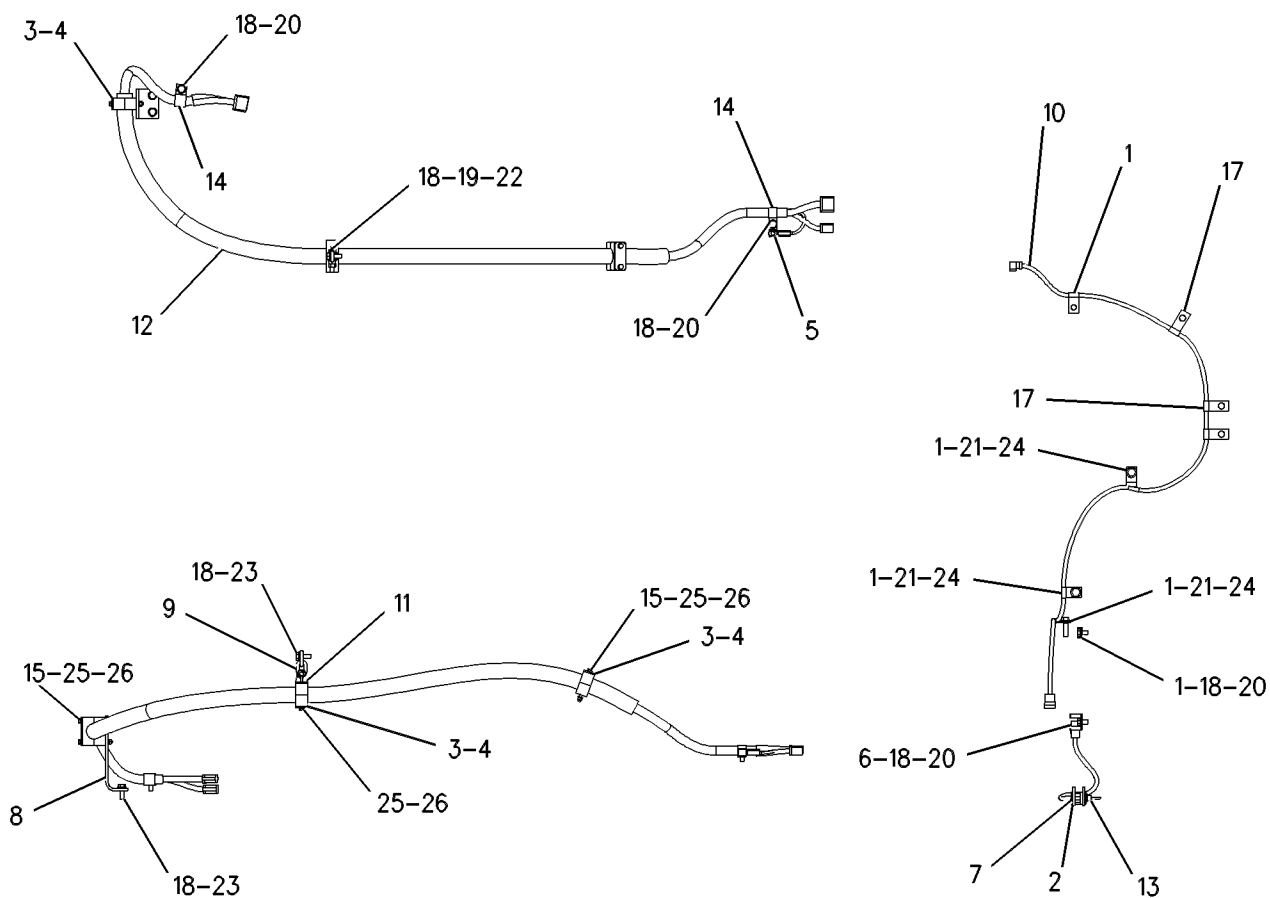
M-METRIC PART

Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

143-3690 WIRING GP - FRONT (contd.)

i01623486



GRAPHIC #1

g00530069

ELECTRICAL AND STARTING SYSTEM

203-1598 WIRING GP-MACHINE

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-1408

i01622250

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	8B-8679	1	SPACER (.44X.406X.75 IN THK)	
	2	2,3	9U-2277	2	CLIP AS	
	3	1,4	9X-3495	2	CLIP AS	
	4	1,2,3,4	9X-6772	15	STRAP-CABLE	
	5	3	119-7839	1	BRACKET-RH	
Y	6	1	131-0427	1	SENSOR GP-TEMPERATURE (REAR AXLE OIL)	185
Y	6A	2	131-0427	1	SENSOR GP-TEMPERATURE (HYDRAULIC OIL)	185
	7	1	141-8714	1	HARNESS AS-SENSOR (REAR AXLE OIL TEMPERATURE)	
		1	102-8804	1	KIT-RECEPTACLE (4 PIN)	
	8	2	144-3950	1	HARNESS AS-HYDRAULIC TANK	
		2	155-2270	1	KIT-CONNECTING PLUG (2 PIN)	
		2	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
		2	102-8805	1	KIT-RECEPTACLE (6 PIN)	
	9	3	146-6734	1	PLATE AS	
M		3	8T-3490	2	NUT-WELD (M10X1.5 THD)	
	10	3	148-6729	1	BRACKET AS	
M		3	8T-3490	1	NUT-WELD (M10X1.5 THD)	
	11	3	153-7095	2	BRACKET AS	
M		3	8T-3490	1	NUT-WELD (M10X1.5 THD)	
	12	1	154-6626	1	BRACKET AS	
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)	
Y	13	2	164-7577	1	SWITCH GP-BYPASS (POWER TRAIN FILTER)	192
	14	4	175-3244	1	SWITCH AS-PRESSURE (BRAKE ACCUMULATOR CHARGE)	
		4	102-8803	1	KIT-RECEPTACLE (3 PIN)	
		4	5P-6008	2	TUBE	
		4	8T-5677	1	SLEEVE	
		4	8T-8729	3	PIN-CONNECTOR	
	15	2	192-7454	1	HARNESS AS-WIPER	
		2	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
		2	155-2265	1	KIT-CONNECTING PLUG (8 PIN)	
		2	102-8803	1	KIT-RECEPTACLE (3 PIN)	
		2	8T-8737	3	PLUG-SEAL	
		2	9X-6772	3	STRAP-CABLE	
	16	2	203-1600	1	HARNESS AS-CHASSIS (MAIN)	
		2	102-8802	1	KIT-RECEPTACLE (2 PIN)	
		2	102-8803	1	KIT-RECEPTACLE (3 PIN)	
		2	102-8804	1	KIT-RECEPTACLE (4 PIN)	
		2	102-8805	1	KIT-RECEPTACLE (6 PIN)	
		2	102-8806	1	KIT-RECEPTACLE (8 PIN)	
		2	102-8801	1	KIT-RECEPTACLE (12 PIN)	
		2	155-2255	1	KIT-CONNECTING PLUG (12 PIN)	
		2	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
		2	155-2271	1	KIT-CONNECTING PLUG (4 PIN)	
		2	155-2274	1	KIT-CONNECTING PLUG (6 PIN)	
		2	3S-2093	4	STRAP-CABLE	
		2	3T-0204	1	RECEPTACLE AS (20 PIN)	
		2	8N-1517	1	RECEPTACLE AS (25 PIN)	
		2	8N-1513	1	RECEPTACLE AS (37 PIN)	
		2	8N-1518	1	PLUG AS-CONNECTOR (25 PIN)	
		2	3T-3412	1	PLUG AS-CONNECTOR (37 PIN)	
		2	8N-1514	1	PLUG AS-CONNECTOR (37 PIN)	
		2	7G-7917	71	PLUG-SEAL	
		2	7G-7918	2	PLUG-SEAL	
		2	7G-7919	1	PLUG-SEAL	
		2	7G-7920	1	PLUG-SEAL	
		2	8T-8737	62	PLUG-SEAL	

ELECTRICAL AND STARTING SYSTEM

203-1598 WIRING GP-MACHINE (contd.)

i01622250

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
		2	8N-1515	1	RECEPTACLE AS						
		2	8N-1521	6	BELL AS-END						
		2	8N-1535	1	BELL AS-END						
		2	8T-8732	1	RECEPTACLE-CONNECTOR						
17		3	115-3070	1	CLIP AS-CONNECT						
18		2,3	115-3071	2	CLIP AS-CONNECTOR (6 PIN)						
19		2,4	115-3072	2	CLIP AS-CONNECTOR						
20		2	115-5579	1	CLIP AS-CONNECT						
21		1,2,4	130-5300	4	CLIP						
22		2	148-8313	1	ADAPTER GP						
		2	5P-6944	1	ADAPTER-STRAIGHT THREAD						
		2	3K-0360	1	SEAL-O-RING						
23		1,4	1S-0994	6	CLIP						
24		2	2S-4078	1	SEAL-O-RING						
25		1,2,4	3J-1907	3	SEAL-O-RING						
26		3	4D-7388	3	CLIP						
27		4	4D-7794	1	CLIP						
28		2	4D-8123	1	CLIP						
29		1,3	4S-1962	9	CLIP						
30		2	4S-6679	1	ADAPTER-STRAIGHT THREAD						
31		3,4	5P-7854	5	CLIP						
32		1,3,4	5P-9085	9	CLIP						
33		3	6B-6205	2	SPACER (7/8X1-5/16X1-9/32 THK)						
34		2	6D-3479	1	CLIP						
35		2	6D-4246	1	CLIP						
36		2	6H-4005	1	GROMMET						
37		2	6V-1889	1	CLIP						
38		3	6V-2383	1	CLIP						
39		3	6V-3265	1	CLIP						
40		2	7D-1553	1	CLIP						
41		4	7N-3718	2	CLIP						
42		2	8M-2770	2	CLIP						
43		1,2,3,4	8T-4121	58	WASHER-HARD (11X21X2.5MM THK)						
M	44	1,2,3,4	8T-4137	44	BOLT (M10X1.5X20MM)						
M	45	3	8T-4192	1	BOLT (M12X1.75X25MM)						
M	46	1,2,3,4	8T-4195	12	BOLT (M10X1.5X30MM)						
47		3	8T-4223	1	WASHER-HARD (13.5X25.5X3MM THK)						
M	48	3	8T-6466	2	BOLT (M10X1.50X60MM)						
49		1	9M-8406	1	CLIP						
50		2,4	9X-8250	2	CLIP						

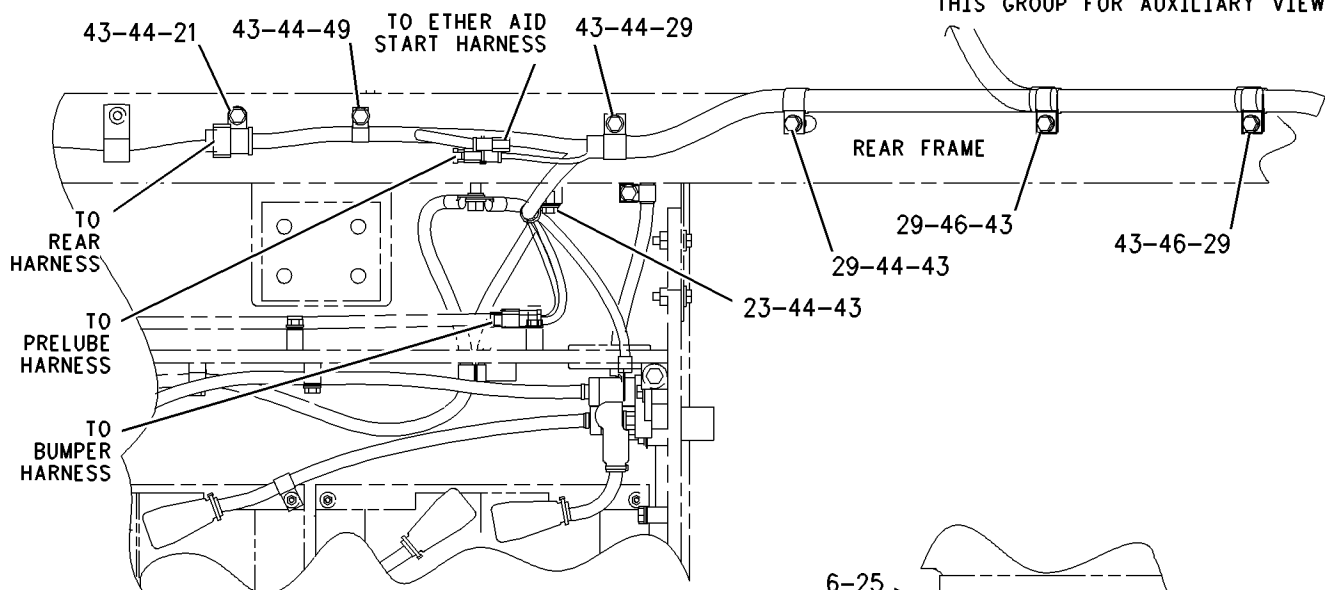
M-METRIC PART
Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

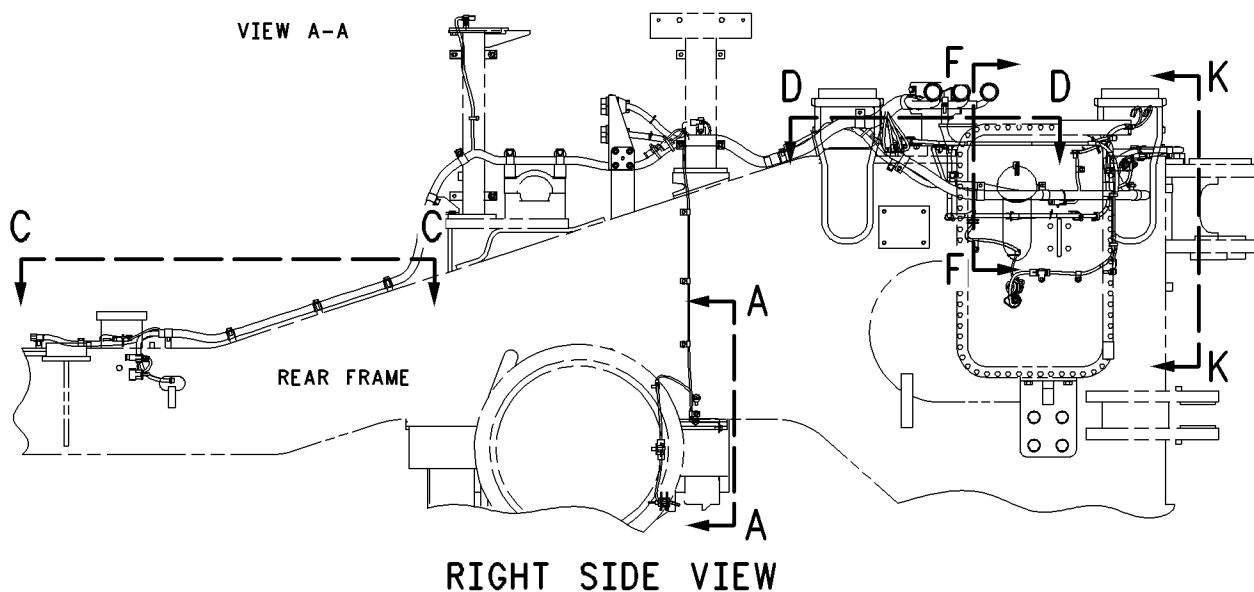
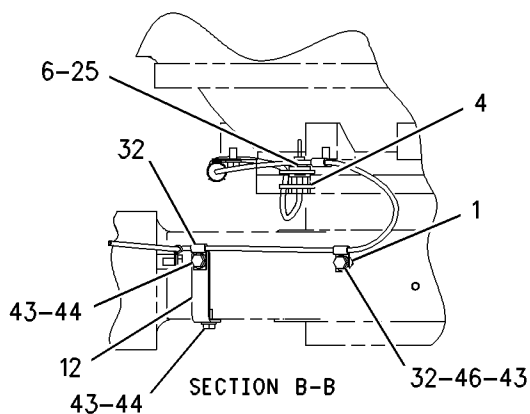
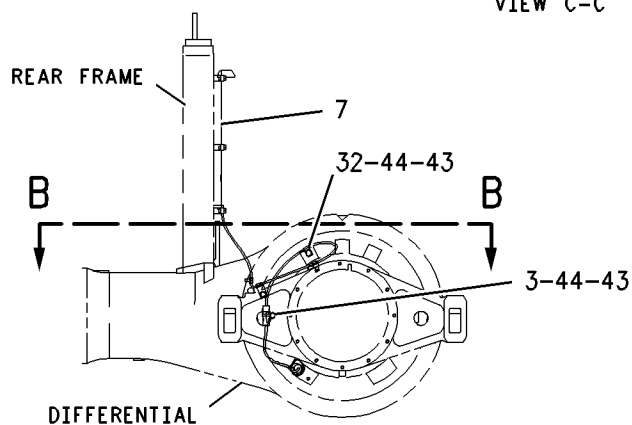
203-1598 WIRING GP-MACHINE (contd.)

i01622250

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS



VIEW C-C



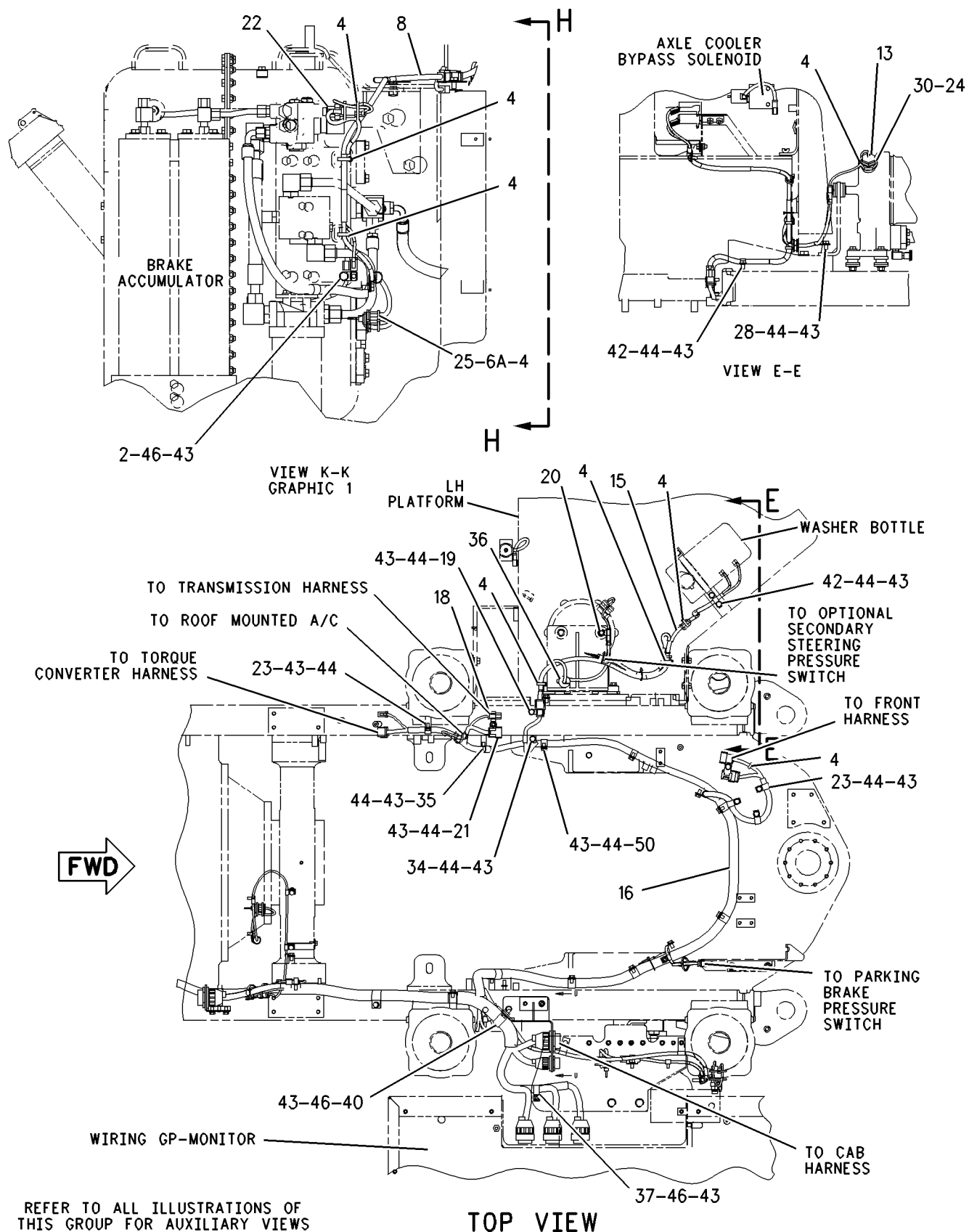
GRAPHIC #1

g00840133

ELECTRICAL AND STARTING SYSTEM

203-1598 WIRING GP-MACHINE (contd.)

i01622250



REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

TOP VIEW

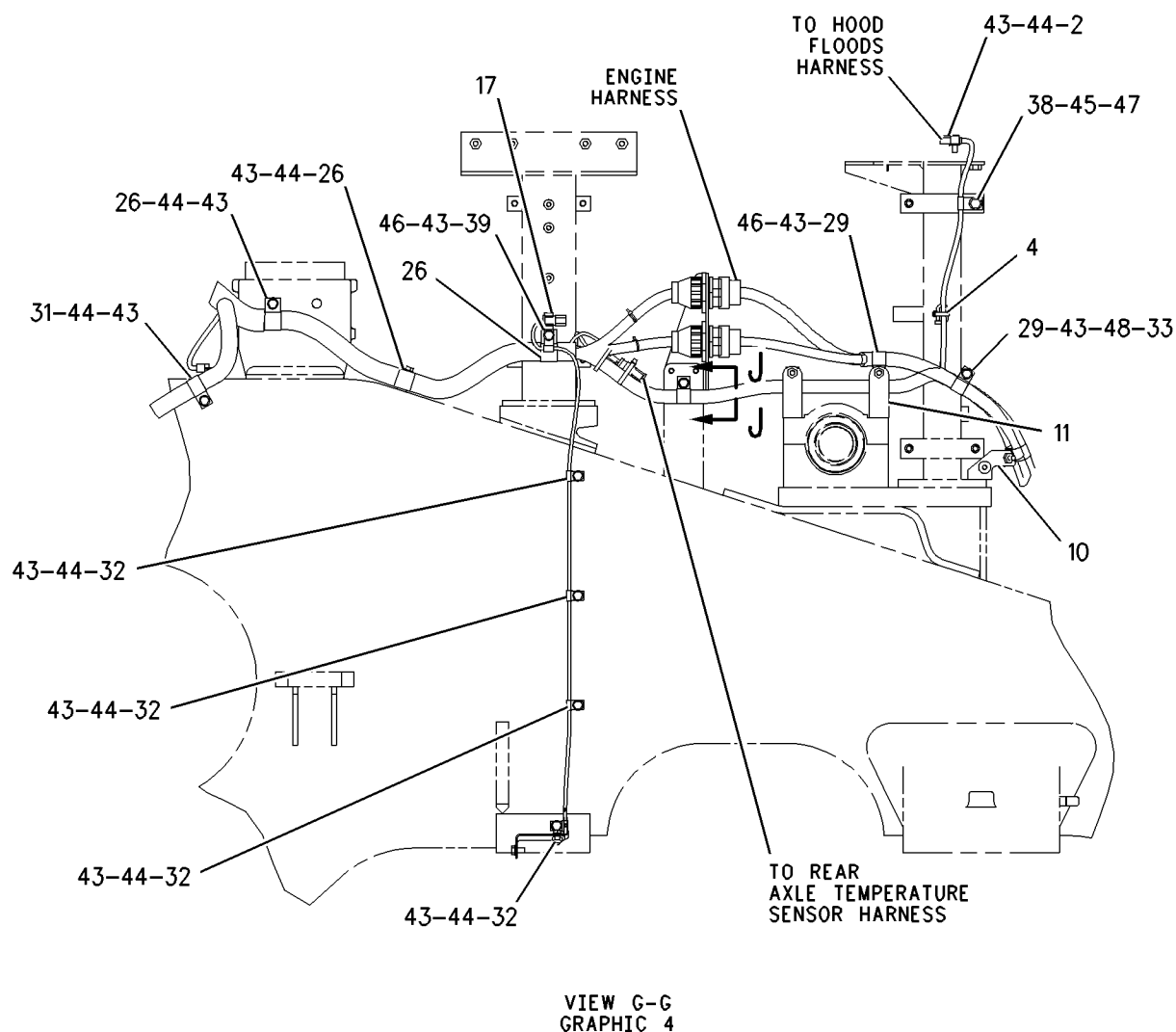
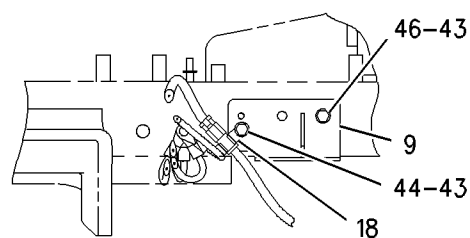
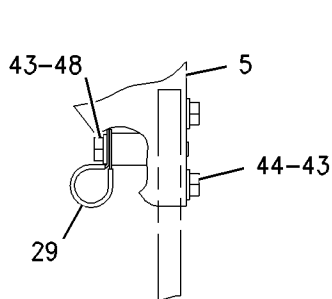
GRAPHIC #2

g00840134

ELECTRICAL AND STARTING SYSTEM

203-1598 WIRING GP-MACHINE (contd.)

i01622250



GRAPHIC #3

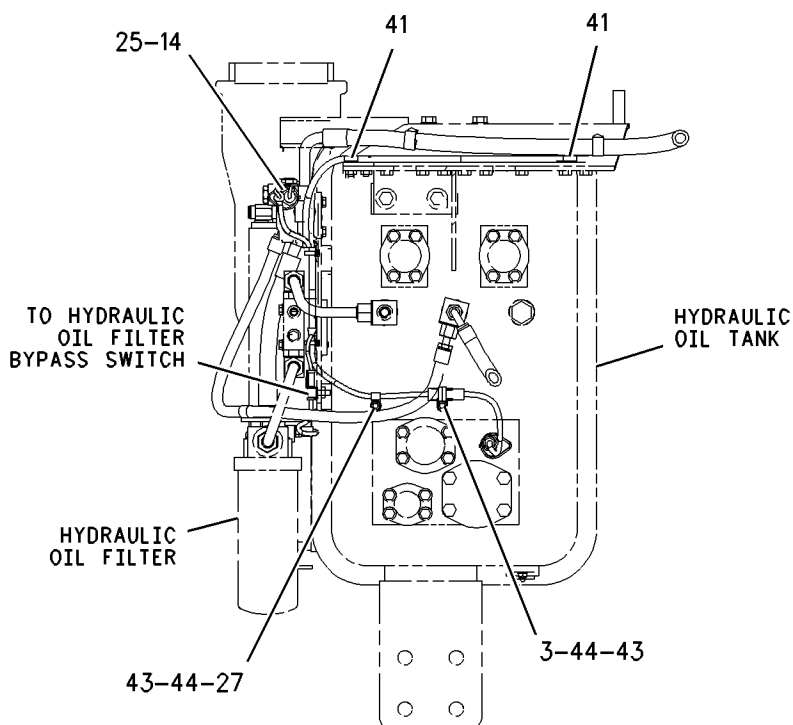
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ELECTRICAL AND STARTING SYSTEM

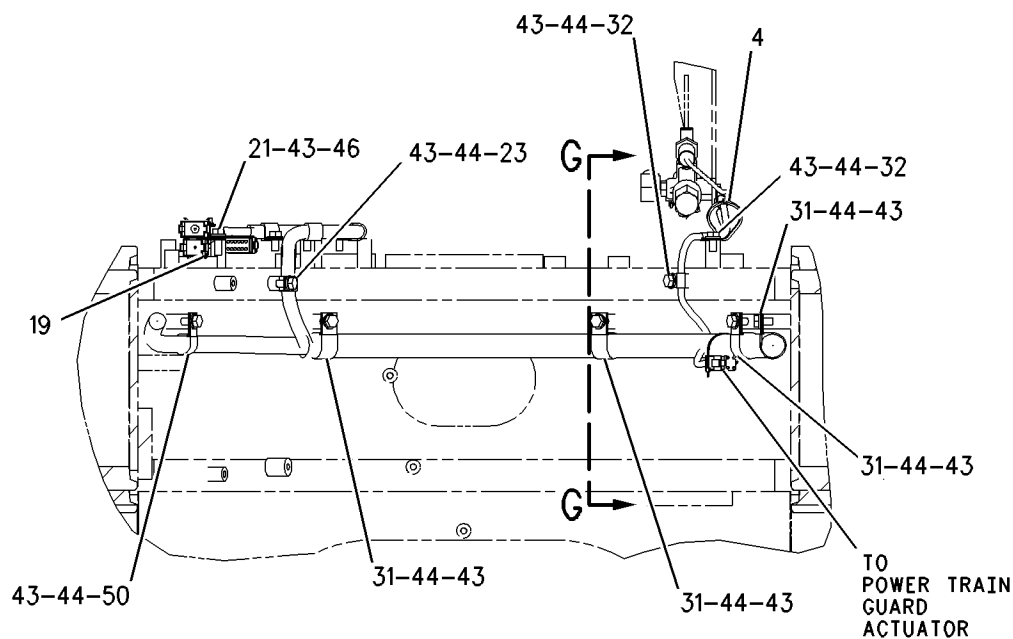
203-1598 WIRING GP-MACHINE (contd.)

i01622250

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



VIEW H-H
GRAPHIC 2



SECTION F-F
GRAPHIC 1

GRAPHIC #4

g00842354

ELECTRICAL AND STARTING SYSTEM

203-1602 WIRING GP-POWER TRAIN

S/N: BPC1-UP

PART OF 203-1580 ELECTRICAL AR

SMCS-1634

i01628166

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	2T-3019	5	CLIP	
	2	1	6V-0852	2	CAP-DUST	
	3	1	8C-7528	1	CLIP	
	4	1	9X-3495	3	CLIP AS	
	5	1	9X-6772	8	STRAP-CABLE	
Y	6	1	100-3055	1	SENSOR GP-TEMPERATURE (TRANSMISSION)	184
Y	7	1	131-0427	1	SENSOR GP-TEMPERATURE (TORQUE CONVERTER)	185
	8	1	141-8708	1	HARNESS AS-CONTROL (POWER TRAIN ELEK-REAR)	
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN)	
		1	155-2274	1	KIT-CONNECTING PLUG (6 PIN)	
		1	155-2255	1	KIT-CONNECTING PLUG (12 PIN)	
	9	1	144-0178	1	SENSOR GP-SPEED	
	10	1	145-9959	1	BRACKET AS	
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)	
	11	1	149-8379	1	SPACER	
Y	12	1	170-0761	1	VALVE GP-MODULATING (LOCKUP CLUTCH)	357
Y	13	1	186-4126	1	VALVE GP-MODULATING (IMPELLER CLUTCH)	358
	14	1	203-1576	1	HARNESS AS-ELECTRONIC CONTROL (POWER TRAIN-FRONT)	
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)	
		1	102-8804	1	KIT-RECEPTACLE (4 PIN)	
		1	102-8801	1	KIT-RECEPTACLE (12 PIN)	
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN)	
	15	1	115-3069	1	CLIP AS-CONNECTOR	
	16	1	115-3070	1	CLIP AS-CONNECT	
	17	1	115-5579	2	CLIP AS-CONNECT	
	18	1	130-5300	1	CLIP	
	19	1	2P-8421	1	ADAPTER-O-RING	
	20	1	3D-2824	1	SEAL-O-RING	
	21	1	3J-1907	3	SEAL-O-RING	
	22	1	3K-0360	1	SEAL-O-RING	
	23	1	5P-9085	2	CLIP	
	24	1	6D-4246	3	CLIP	
	25	1	6D-7889	2	SEAL-O-RING	
	26	1	6V-3265	1	CLIP	
	27	1	8M-2773	1	CLIP	
	28	1	8T-4121	6	WASHER-HARD (11X21X2.5MM THK)	
M	29	1	8T-4136	2	BOLT (M10X1.5X25MM)	
M	30	1	8T-4137	4	BOLT (M10X1.5X20MM)	
M	31	1	8T-4193	1	BOLT (M16X2X50MM)	
	32	1	8T-4224	4	WASHER-HARD (8.8X16X2MM THK)	
	33	1	8T-4994	1	WASHER-HARD (20X36.5X3.5MM THK)	
M	34	1	8T-6869	4	BOLT (M8X1.25X60MM)	
	35	1	8T-9397	1	BOLT (3/4-10X1.25 IN)	
	36	1	9M-8406	2	CLIP	
	37	1	9X-8257	1	WASHER (17.5X30X3.5MM THK)	
	38	1	4S-4455	1	CLIP	
Y	39	1	100-4311	1	SENSOR GP-PRESSURE	179
	40	1	9X-0261	1	ADAPTER	
	41	1	3J-7354	1	SEAL-O-RING	

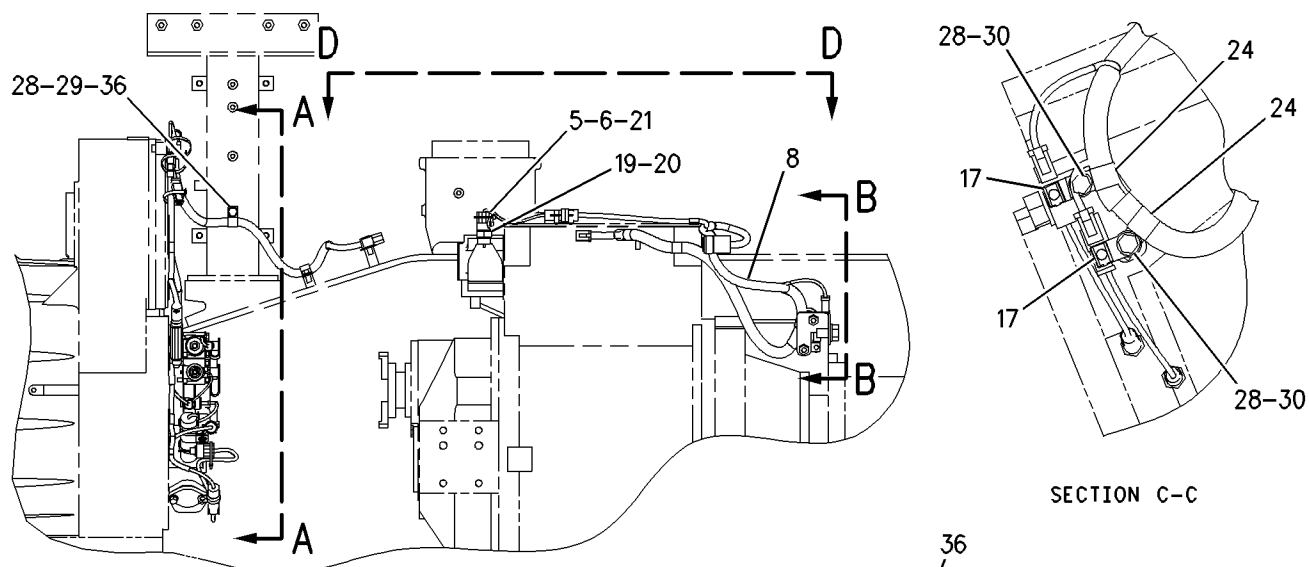
M-METRIC PART

Y-SEPARATE ILLUSTRATION

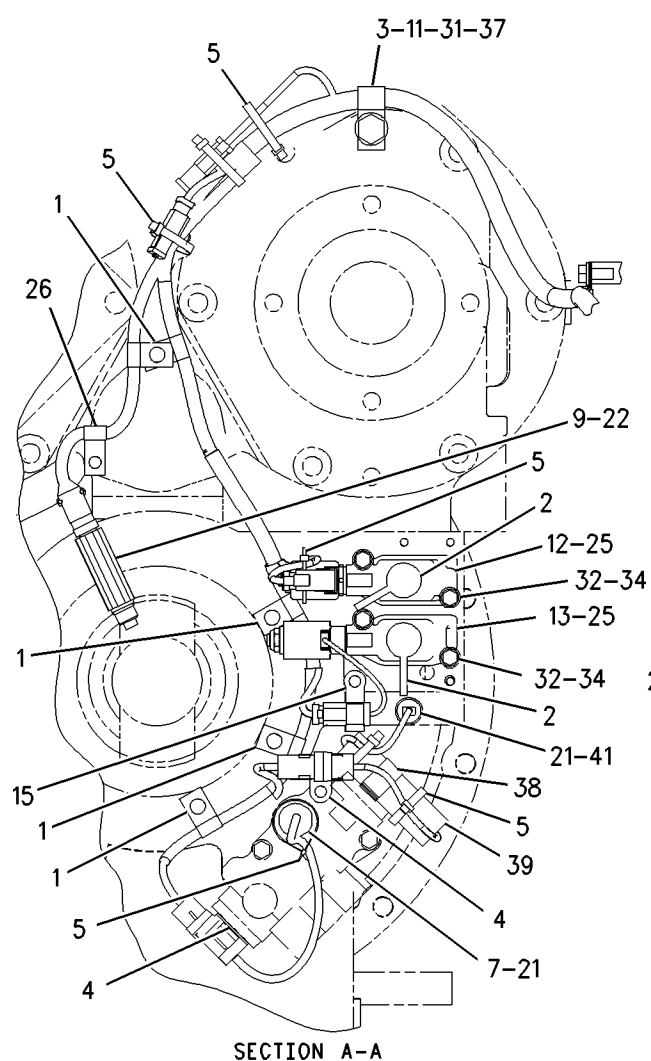
ELECTRICAL AND STARTING SYSTEM

203-1602 WIRING GP-POWER TRAIN (contd.)

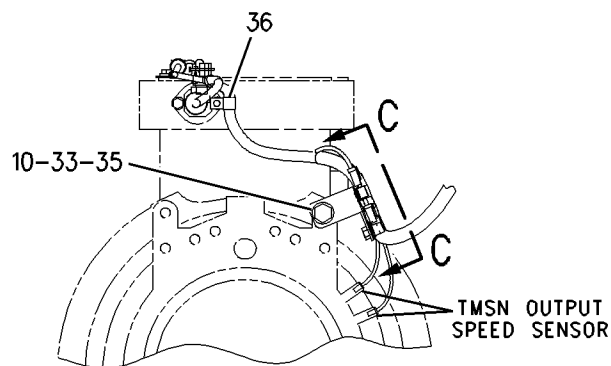
101628166



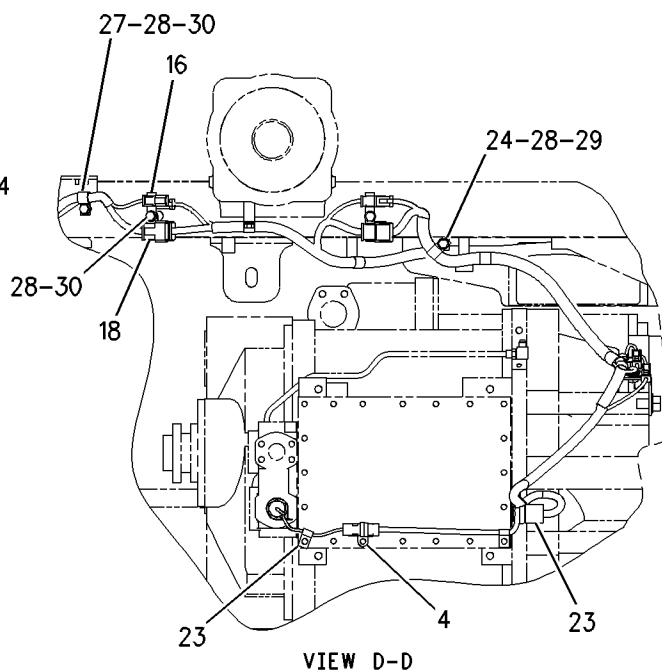
RIGHT SIDE VIEW



SECTION A-A



SECTION B-B



VIEW D-D

GRAPHIC #1

g00843710

ELECTRICAL AND STARTING SYSTEM

114-5183 WIRING GP-REAR

S/N: BPC1-UP

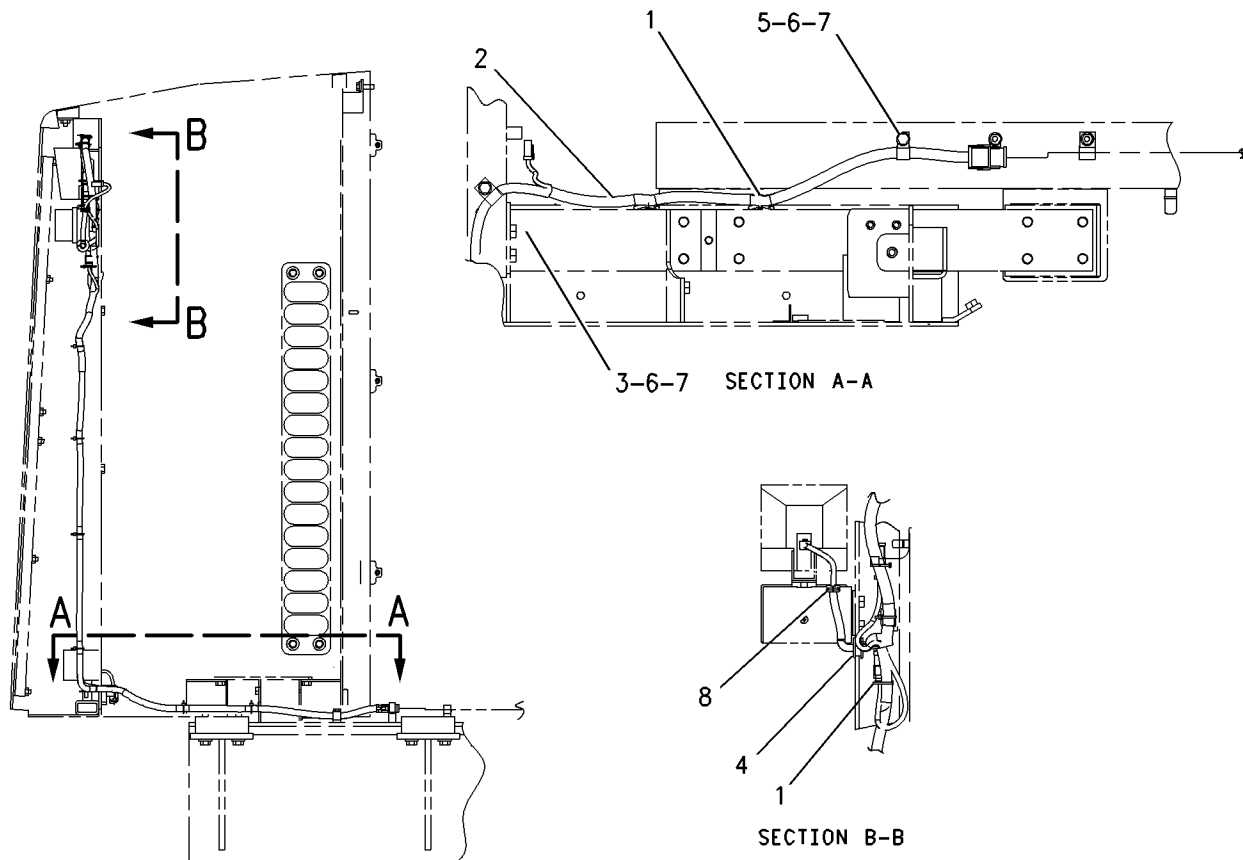
PART OF 203-1580 ELECTRICAL AR

SMCS-1408

i01493015

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	9X-6772	17	STRAP-CABLE	
	2	1	141-8716	1	HARNESS AS-REAR	
		1	102-8802	2	KIT-RECEPTACLE (2 PIN)	
					(EACH KIT INCLUDES RECEPTACLE AS & WEDGE)	
		1	155-2270	5	KIT-CONNECTING PLUG (2 PIN)	
		1	155-2260	2	KIT-CONNECTING PLUG (3 PIN)	
		1	155-2255	1	KIT-CONNECTING PLUG (12 PIN)	
					(EACH KIT INCLUDES PLUG AS & WEDGE)	
		1	8T-8737	8	PLUG-SEAL	
		1	9X-6772	2	STRAP-CABLE	
	3	1	124-0174	1	CLIP	
	4	1	7X-4780	2	GROMMET	
	5	1	8M-2773	1	CLIP	
	6	1	8T-4121	2	WASHER-HARD (11X21X2.5MM THK)	
M	7	1	8T-4137	2	BOLT (M10X1.5X20MM)	
	8	1	9X-7344	2	GROMMET	

M-METRIC PART



GRAPHIC #1

g00742712

MEMORANDA

ELECTRICAL AND STARTING SYSTEM

163-3997 WIRING GP-SHUTOFF-GROUND LEVEL

S/N: BPC1-UP

VIDS

PART OF 203-1580 ELECTRICAL AR

SMCS-1408

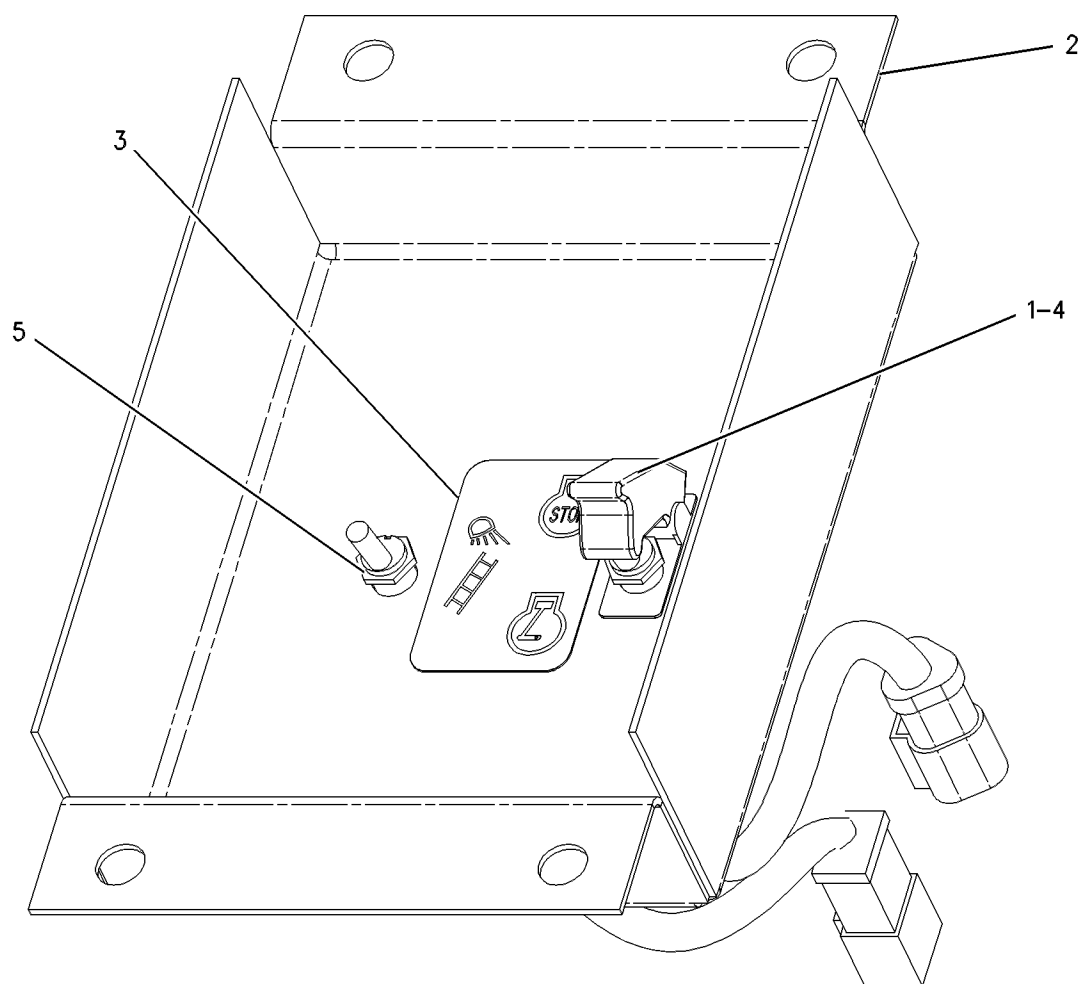
i01493024

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3E-5169	1	GUARD-SWITCH						
	2	1	119-7837	1	PLATE						
	3	1	124-7649	1	PLATE-IDENTIFICATION						
	4	1	139-2116	1	SWITCH AS-TOGGLE (GROUND LEVEL ENGINE SHUTDOWN)						
		1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)						
		1	6T-3631	2	NUT-HEX (15/32-32 THD)						
		1	6T-3632	1	LOCKWASHER						
		1	6T-3633	1	RING-LOCKING						
		1	8T-8729	3	PIN-CONNECTOR						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
	5	1	158-6634	1	SWITCH AS-TOGGLE (STAIRWAY ACCESS LIGHTS)						
		1	3E-3377	1	WEDGE-RECEPTACLE LOCK						
		1	6T-3631	2	NUT-HEX (15/32-32 THD)						
		1	6T-3632	1	LOCKWASHER						
		1	6T-3633	1	RING-LOCKING						
		1	8T-8729	3	PIN-CONNECTOR						
		1	9G-3695	1	PLUG (GROMMET SEALING)						
		1	102-8804	1	KIT-RECEPTACLE (4 PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						

ELECTRICAL AND STARTING SYSTEM

163-3997 WIRING GP-SHUTOFF (contd.)

i01493024



GRAPHIC #1

g00521039

POWER TRAIN

137-8833 AXLE AR-FIXED

S/N: BPC1-UP

FRONT

PART OF 139-5896 POWER TRAIN AR

SMCS-3013, 3278

i01499887

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	137-8862	1	AXLE GP-FIXED (FRONT)						236
Y	161-9275	2	BRAKE GP-SERVICE						440
Y	137-8851	1	DIFFERENTIAL & BEVEL GEAR GP						258
Y	125-1358	1	LINES GP-SERVICE BRAKE						452
Y	192-0822	2	WHEEL & FINAL DRIVE GP						364
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

137-8832 AXLE AR-OSCILLATING

S/N: BPC1-UP

REAR

PART OF 139-5896 POWER TRAIN AR

SMCS-3013, 3278

i01499885

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	137-8834	1	AXLE GP-OSCILLATING (REAR)						238
Y	161-9275	2	BRAKE GP-SERVICE						440
Y	137-8851	1	DIFFERENTIAL & BEVEL GEAR GP						258
Y	125-1355	1	LINES GP-SERVICE BRAKE						451
Y	192-0822	2	WHEEL & FINAL DRIVE GP						364

Y-SEPARATE ILLUSTRATION

POWER TRAIN

137-8862 AXLE GP-FIXED

S/N: BPC1-UP

FRONT

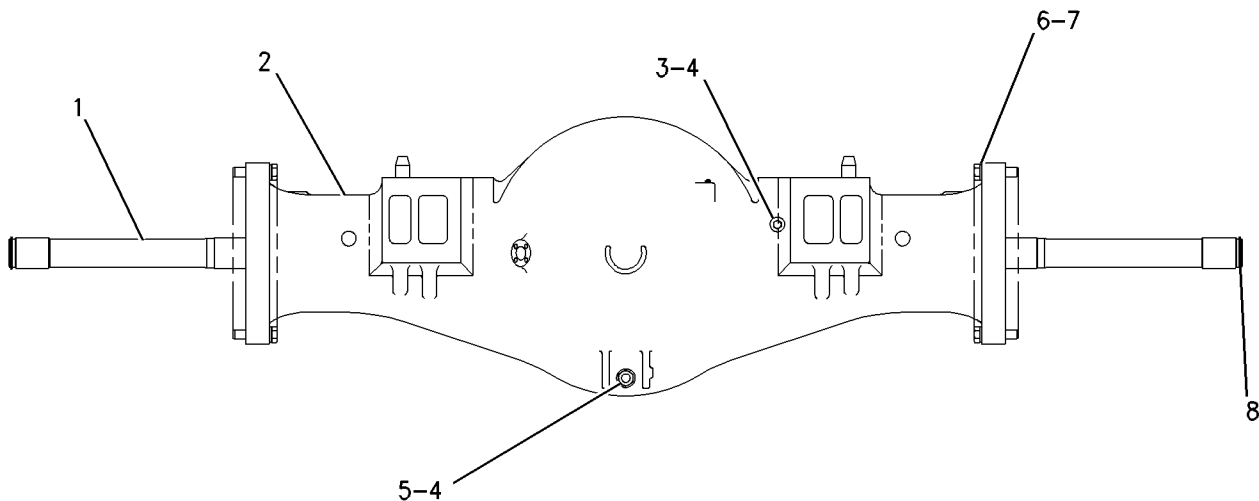
PART OF 137-8833 AXLE AR-FIXED

SMCS-3278

i01574150

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	137-8836	2	SHAFT-AXLE						
	2	1	200-0820	1	HOUSING AS						
		1	6M-1622	2	DOWEL						
	3	1	9S-4205	1	PLUG-O-RING						
	4	1	7M-8485	2	SEAL-O-RING						
	5	1	5P-4484	1	PLUG-MAGNETIC						
M	6	1	173-9684	50	BOLT (M24X3X100MM)						
	7	1	5P-6604	50	WASHER-HARD (5MM THK)						
	8	1	1T-0479	2	RING-RETAINING						

M-METRIC PART



GRAPHIC #1

g00817896

MEMORANDA

POWER TRAIN

137-8834 AXLE GP-OSCILLATING

S/N: BPC1-UP

REAR

PART OF 137-8832 AXLE AR-OSCILLATING

SMCS-3278

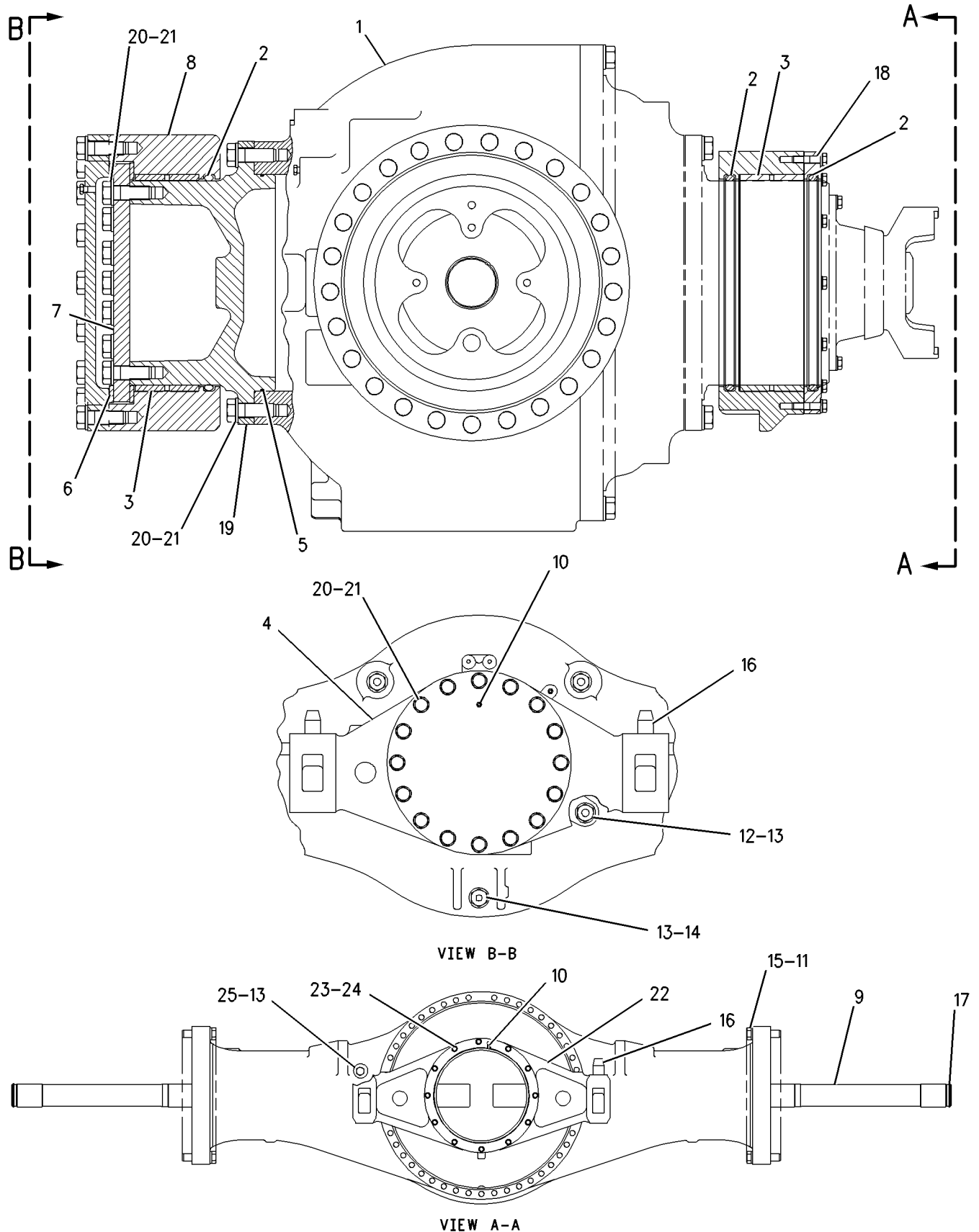
i01573564

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	200-0815	1	HOUSING-AXLE	
	2	1	9M-6097	3	SEAL-O-RING	
	3	1	6M-1592	2	BEARING-SLEEVE	
	4	1	164-2751	1	SUPPORT-TRUNNION	
	5	1	2D-6533	1	SEAL-O-RING	
	6	1	5S-0085	2	BEARING-THRUST	
	7	1	164-4175	1	PLATE-THRUST	
	8	1	164-4156	1	COVER	
	9	1	137-8836	2	SHAFT-AXLE	
	10	1	1K-6853	2	FITTING	
	11	1	5P-6604	50	WASHER-HARD (5MM THK)	
	12	1	9S-4181	1	PLUG-STRAIGHT THREAD	
	13	1	7M-8485	3	SEAL-O-RING	
	14	1	5P-4484	1	PLUG-MAGNETIC	
M	15	1	173-9684	50	BOLT (M24X3X100MM)	
	16	1	6M-1622	4	DOWEL	
	17	1	1T-0479	2	RING-RETAINING	
	18	1	119-4258	1	RETAINER-BEARING	
	19	1	164-4165	1	TRUNNION	
M	20	1	160-8510	54	BOLT-HEX HEAD	
	21	1	8T-3282	54	WASHER-HARD (22X35X3.5MM THK)	
	22	1	164-2752	1	SUPPORT-TRUNION	
M	23	1	8T-0441	12	BOLT (M10X1.5X45MM)	
	24	1	8T-4121	12	WASHER-HARD (11X21X2.5MM THK)	
	25	1	9S-4205	1	PLUG-O-RING	
M-METRIC PART						

POWER TRAIN

137-8834 AXLE GP - OSCILLATING (contd.)

i01573564



GRAPHIC #1

g00817490

POWER TRAIN

133-8114 CASE & PARTS GP-PLANETARY

S/N: 3NY1-UP

PART OF 137-6229 TRANSMISSION AR

SMCS-3064

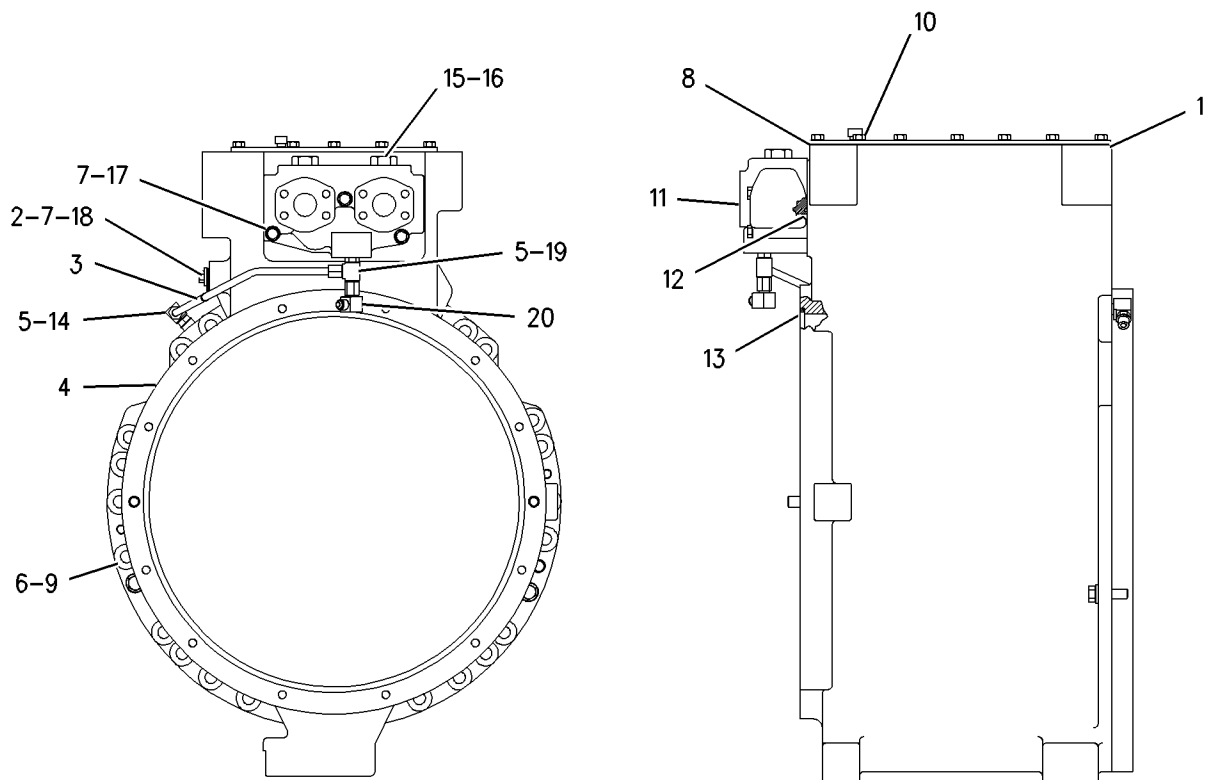
i01493026

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8E-9086	1	GASKET						
	2	1	7B-1597	1	CLIP						
	3	1	6T-6791	1	TUBE AS						
	4	1	8E-9080	1	CASE AS-TRANSMISSION						
		1	1A-2223	2	DOWEL						
	5	1	3J-1907	2	SEAL-O-RING						
	6	1	0S-1587	2	BOLT (1/2-13X1.75 IN)						
	7	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
	8	1	193-0635	1	COVER AS						
	9	1	5P-8245	2	WASHER-HARD (13.5X25.5X3MM THK)						
	10	1	0L-1351	20	BOLT (3/8-16X0.875 IN)						
	11	1	135-6792	1	MANIFOLD						
	12	1	8M-4992	2	SEAL-O-RING (40.87MM ID)						
	13	1	5P-2587	1	SEAL-O-RING						
	14	1	030-7947	1	ELBOW						
	15	1	9S-4183	2	PLUG						
	16	1	3D-2824	2	SEAL-O-RING						
	17	1	0T-0065	3	BOLT (3/8-16X3.5 IN)						
	18	1	0T-0102	1	BOLT (3/8-16X0.625 IN)						
	19	1	6M-6853	1	TEE-O-RING						
	20	1	6K-9194	1	ELBOW						

POWER TRAIN

133-8114 CASE & PARTS GP-PLANETARY (contd.)

i01493026



GRAPHIC #1

g00732263

POWER TRAIN

4E-8413 CONTROL GP-STIC

S/N: BPC1-UP

PART OF 202-9743 CAB AR

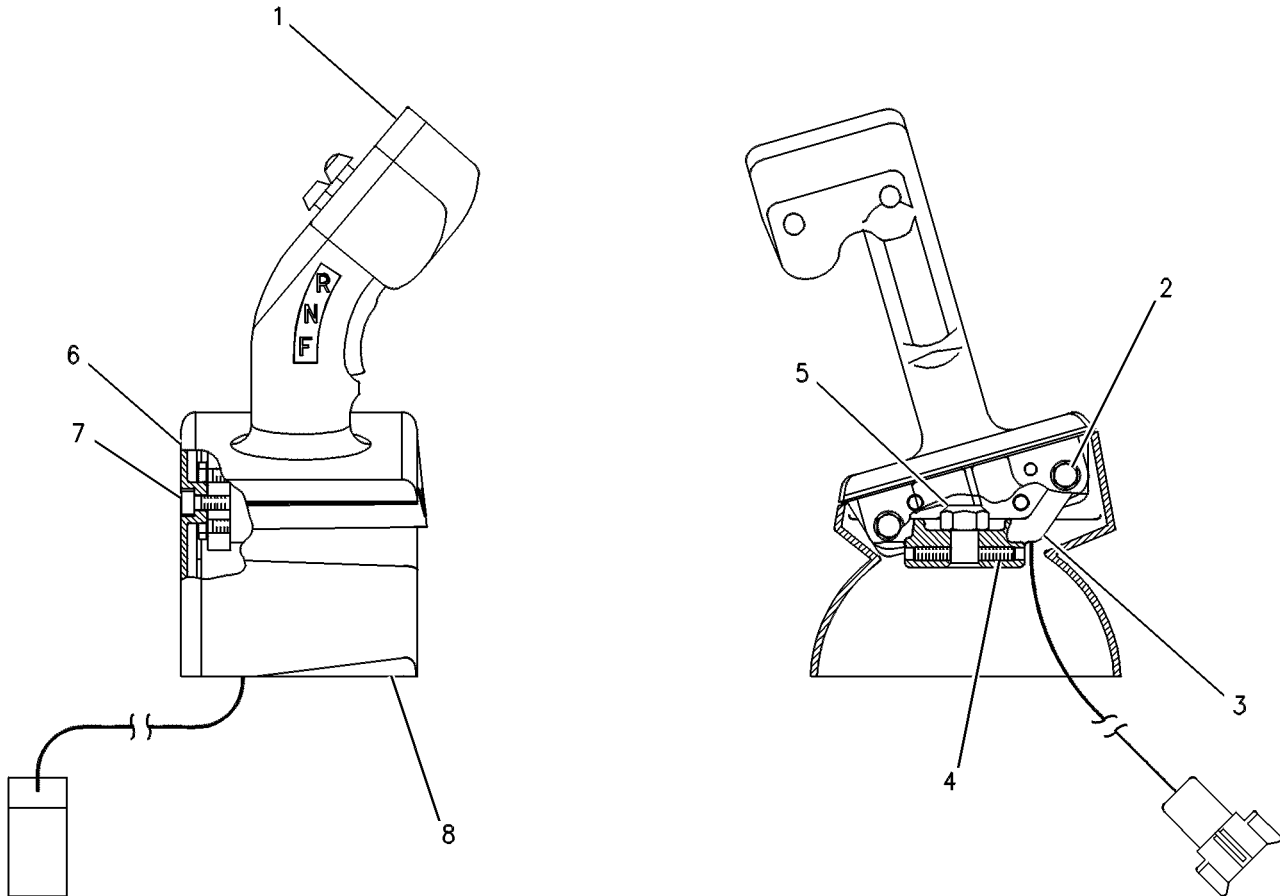
SMCS-3033

i01220908

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	177-4113	1	CONTROL GP-STIC						244
M	2	1	8T-4138	4	BOLT (M6X1.0X20MM)						
	3	1	4E-7520	1	BASE						
M	4	1	8T-0723	2	SETSCREW-SOCKET						
	5	1	6V-7587	1	WIRE-ELECTRICAL						
	6	1	4E-7628	1	COVER						
M	7	1	8T-0269	4	BOLT-SOCKET HEAD (M6X1X20MM)						
	8	1	4E-7627	1	HOUSING						

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00120734

MEMORANDA

POWER TRAIN

177-4113 CONTROL GP-STIC

S/N: BPC1-UP

PART OF 4E-8413 CONTROL GP-STIC

SMCS-3033

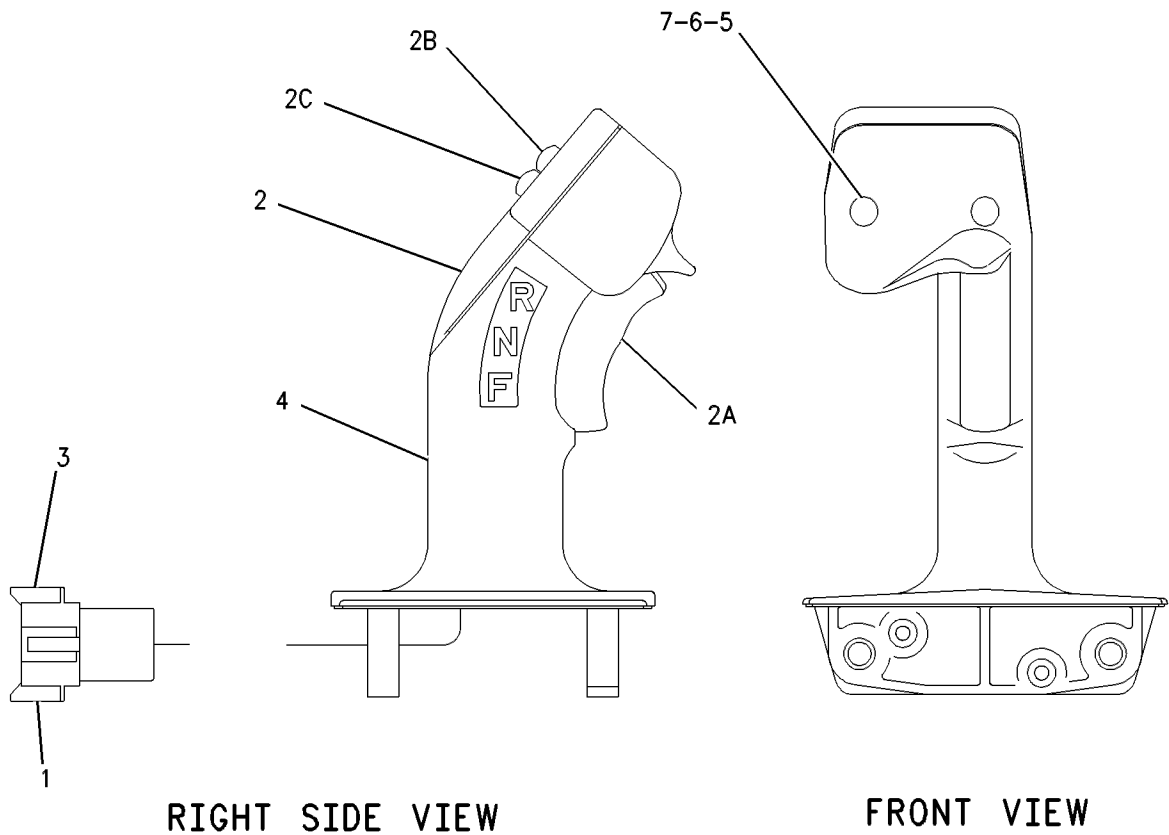
i01512086

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	160-3518	1	KIT-RECEPTACLE (8 PIN)						
	2	1	177-4112	1	CAP AS						
	2A	1	177-2374	1	SWITCH AS-ROCKER (TRANSMISSION DIRECTION)						
		1	5S-4246	2	LOCKWASHER						
		1	8T-8729	3	PIN-CONNECTOR						
		1	9X-8917	2	SCREW-MACHINE						
		1	096-5962	2	WASHER-HARD (3.4X7X0.8MM THK)						
		1	105-8029	1	ACTUATOR						
	2B	1	159-8665	1	SWITCH AS (TRANSMISSION UPSHIFT)						
	2C	1	159-8664	1	SWITCH AS (TRANSMISSION DOWNSHIFT)						
					(EACH SWITCH AS INCLUDES)						
		1	3K-0835	1	NUT (5/8-24 THD)						
		1	6F-0253	1	LOCKWASHER						
		1	8T-8729	2	PIN-CONNECTOR						
	3	1	3E-3389	1	WEDGE-RECEPTACLE LOCK						
	4	1	105-9073	1	GRIP						
M	5	1	7Y-3173	2	SCREW-BUTTON HEAD (M4X0.7X12MM)						
	6	1	8C-7508	2	LOCKWASHER						
	7	1	8C-9660	2	WASHER (4.6X7.9X0.8MM THK)						
M-METRIC PART											

POWER TRAIN

177-4113 CONTROL GP-STIC (contd.)

i01512086



GRAPHIC #1

g00624842

POWER TRAIN

165-3621 CONTROL GP-TRANSMISSION HYD

S/N: 3NY1-UP

PART OF 137-6229 TRANSMISSION AR

SMCS-3073, 3167

i01553916

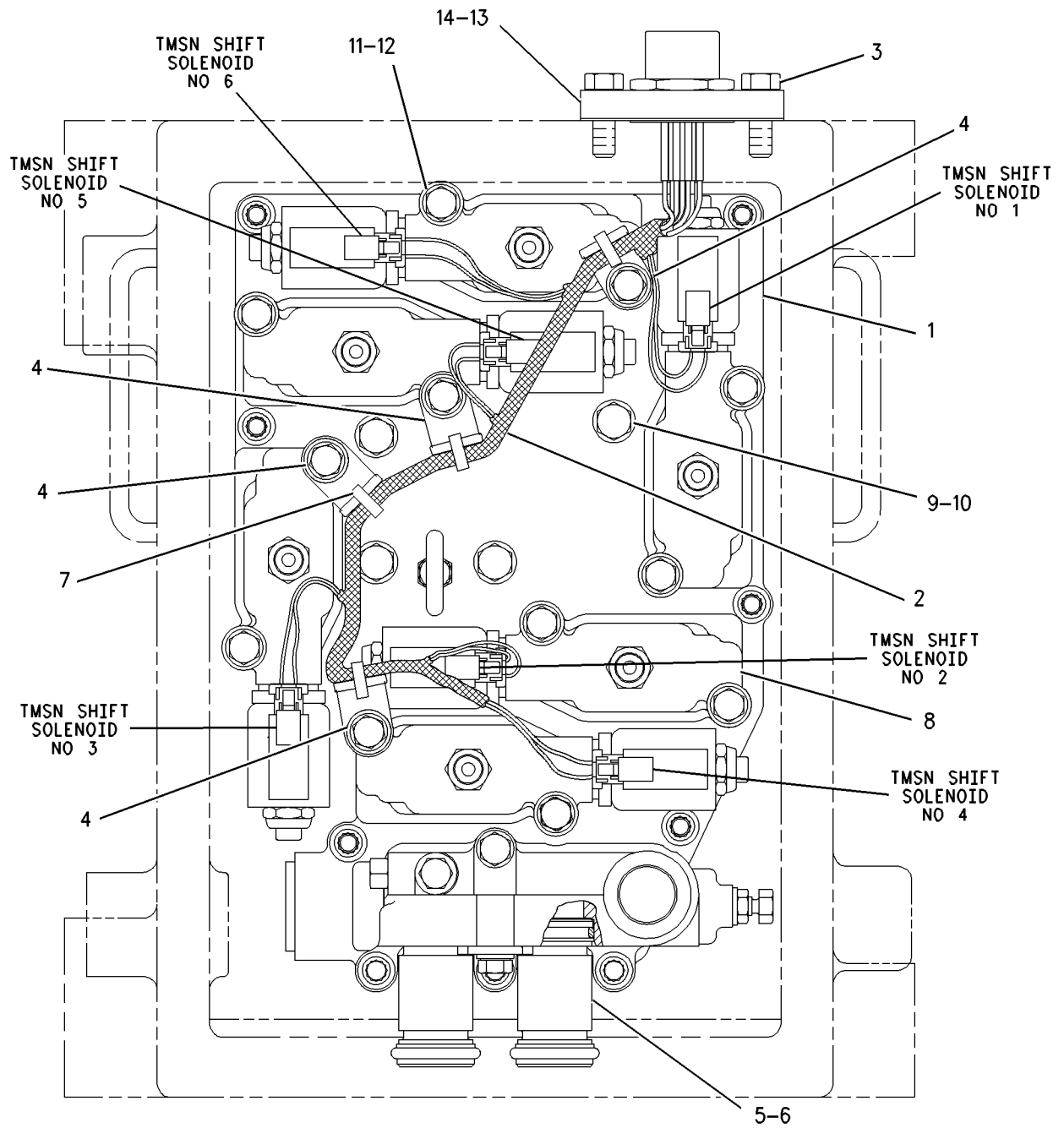
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	134-5053	1	VALVE GP-RELIEF (TRANSMISSION HYDRAULIC CONTROL)	360
	2	1	179-9445	1	HARNESS AS-TRANSMISSION	
		1	6J-2419	1	SEAL-O-RING	
BE		1	8T-6342		TUBE (3.18MM ID)	
	3	1	1A-2029	2	BOLT (3/8-16X1.125 IN)	
	4	1	132-5789	4	CLIP	
	5	1	6Y-7125	2	SLEEVE	
	6	1	8M-4432	4	SEAL-O-RING	
	7	1	3S-2093	4	STRAP-CABLE	
Y	8	1	160-8408	6	VALVE GP-MODULATING (TRANSMISSION CLUTCH)	356
	9	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5MM THK)	
	10	1	0S-1619	4	BOLT (3/8-16X3 IN)	
	11	1	9M-1974	12	WASHER-HARD (8.8X16X2MM THK)	
	12	1	1D-4540	12	BOLT (5/16-18X2.75 IN)	
	13	1	104-6729	1	RETAINER	
	14	1	104-6730	1	GASKET	

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

POWER TRAIN

165-3621 CONTROL GP - TRANSMISSION HYD (contd.)

i01553916



GRAPHIC #1

g00699633

POWER TRAIN

153-0486 COOLER AR-AXLE OIL

S/N: BPC1-UP
AN ATTACHMENT

SMCS-1365

i01327431

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	179-3445	1	COOLER GP-AXLE OIL						256
Y	160-3929	1	LINES GP-AXLE OIL COOLER (REAR)						278
Y	160-3955	1	LINES GP-AXLE OIL COOLER (FRONT)						284
Y-SEPARATE ILLUSTRATION									

MEMORANDA

POWER TRAIN

150-3157 COOLER GP-AXLE OIL

S/N: BPC1-UP

PART OF 179-3445 COOLER GP-AXLE OIL
AN ATTACHMENT

SMCS-1365

i01563715

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	3	6S-6251	4	MOUNT						
	2	3	130-9704	2	VALVE GP-CHECK (AXLE OIL COOLER BYPASS)						
	3	2	138-2237	1	SHROUD AS						
	4	1	138-2238	1	GUARD AS						
Y	5	2	138-2239	1	FAN GP-SUCTION (AXLE OIL COOLER)						76
	6	3	153-6885	4	TUBE AS						
	7	3	153-6886	1	SUPPORT AS						
M		3	8T-3490	4	NUT-WELD (M10X1.5 THD)						
M		3	8T-3597	4	NUT-WELD (M12X1.75 THD)						
M		3	8T-3612	8	NUT-WELD (M8X1.25 THD)						
	8	3	153-9259	1	TUBE AS						
	9	2	153-9265	1	PLATE						
	10	2	163-7451	2	BRACKET						
	11	3	173-6706	1	BAR						
	12	1	178-1602	1	MOTOR GP-GEAR (AXLE OIL COOLER FAN)						
	13	2	178-3228	1	TUBE AS						
	14	2	178-3230	1	TUBE AS						
	15	2	178-4111	1	TUBE AS						
	16	2	188-5038	1	PLATE AS						
	17	2	148-8327	1	CONNECTOR GP						
		2	6V-8637	1	CONNECTOR-SEAL						
		2	3D-2824	1	SEAL-O-RING						
		2	6V-9746	1	SEAL-O-RING						
	18	3	148-8339	1	CONNECTOR GP						
		3	6V-8716	1	CONNECTOR						
		3	7M-8485	1	SEAL-O-RING						
		3	6V-9746	1	SEAL-O-RING						
	19	2,3	148-8360	3	ELBOW GP						
					(EACH INCLUDES)						
		2,3	6V-9182	1	ELBOW						
		2,3	7M-8485	1	SEAL-O-RING						
		2,3	6V-9746	1	SEAL-O-RING						
	20	2	148-8361	1	ELBOW GP						
		2	6V-9200	1	ELBOW						
		2	3J-7354	1	SEAL-O-RING						
		2	6V-8397	1	SEAL-O-RING						
	21	2,3	148-8392	6	ELBOW GP						
					(EACH INCLUDES)						
		2,3	6V-9853	1	ELBOW-SWIVEL						
		2,3	6V-9746	8	SEAL-O-RING						
	22	3	148-8414	4	REDUCER AS-ORFS						
					(EACH INCLUDES)						
		3	6V-8943	1	REDUCER AS						
		3	7J-9108	4	SEAL-O-RING						
	23	2	148-8417	1	REDUCER AS-ORFS						
		2	6V-8941	1	REDUCER						
		2	6V-8397	1	SEAL-O-RING						
	24	2	148-8449	1	TEE GP-SWIVEL						
		2	6V-9839	1	TEE-SWIVEL						
		2	6V-9746	2	SEAL-O-RING						
	25	2,3	153-6259	4	TEE GP						
					(EACH INCLUDES)						
		2,3	6V-8777	1	TEE-FACE SEAL						
		2,3	6V-9746	2	SEAL-O-RING						
		2,3	3D-2824	1	SEAL-O-RING						

POWER TRAIN

150-3157 COOLER GP-AXLE OIL (contd.)

i01563715

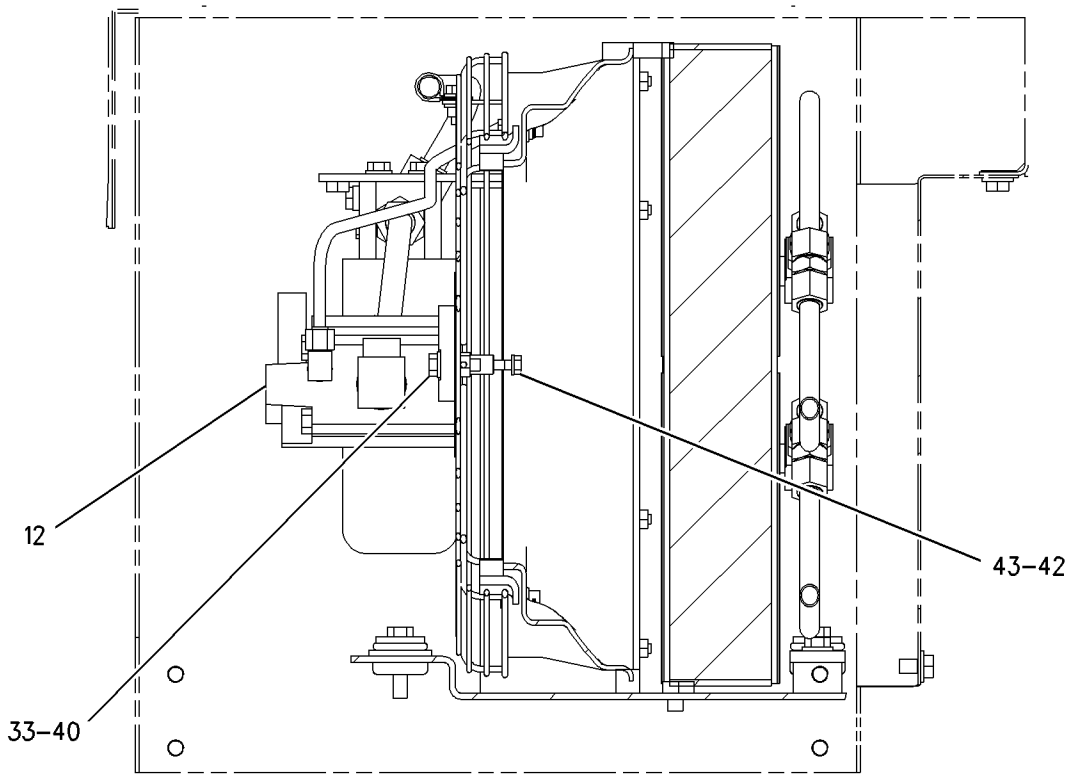
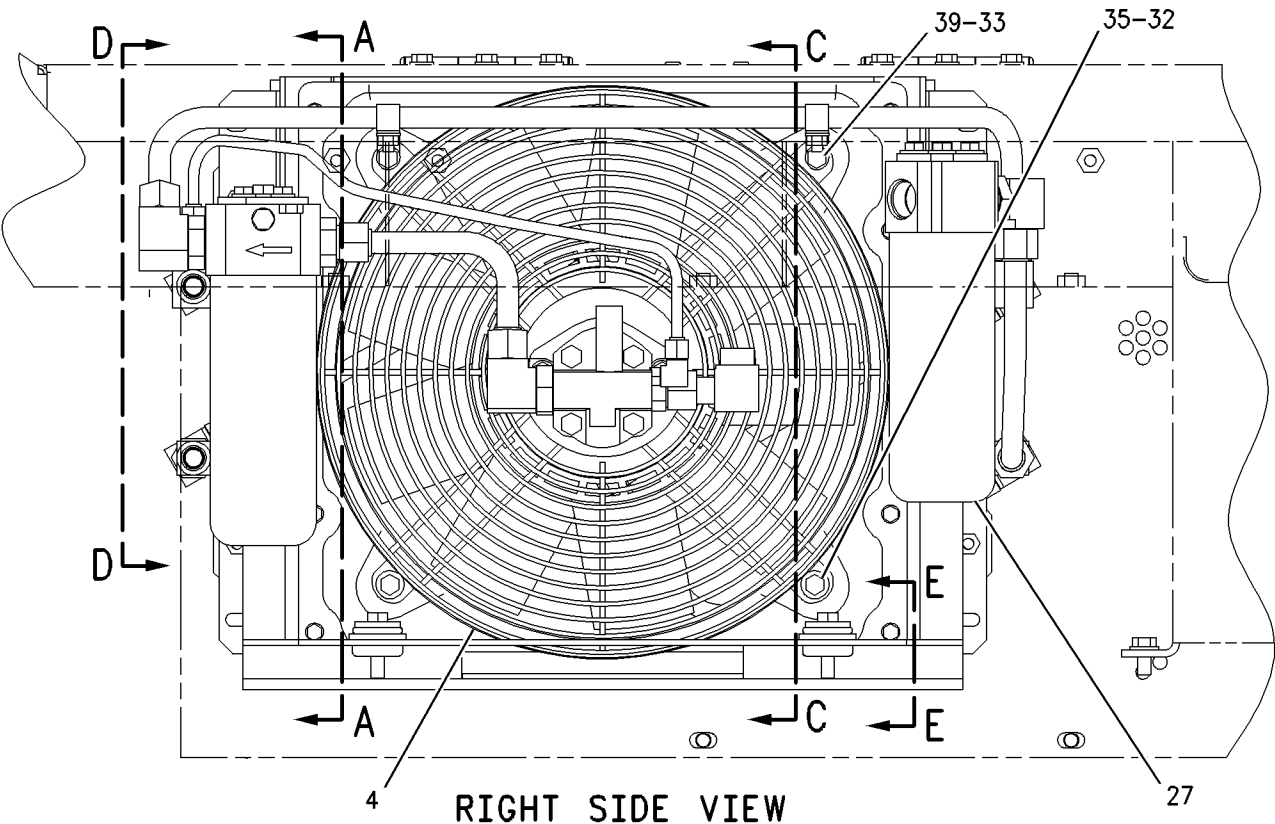
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	26	2	173-6753	1	CORE AS-AXLE OIL COOLER	
Y	27	1,2	183-6194	2	FILTER GP-OIL (AXLE OIL COOLER)	268
	28	2	6D-4246	2	CLIP	
	29	2	6V-8556	1	NUT (1 3/16-12 THD)	
	30	3	7J-9108	4	SEAL-O-RING	
	31	3	7X-0618	4	WASHER-HARD (13.5X40X5MM THK)	
	32	1,2,3	7X-7729	10	WASHER (11X25X3MM THK)	
	33	1,2	8T-4121	12	WASHER-HARD (11X21X2.5MM THK)	
M	34	2	8T-4133	2	NUT (M10X1.5 THD)	
M	35	1,2,3	8T-4136	16	BOLT (M10X1.5X25MM)	
M	36	2,3	8T-4139	6	BOLT (M12X1.75X30MM)	
M	37	2	8T-4189	8	BOLT (M8X1.25X20MM)	
M	38	3	8T-4194	4	BOLT (M12X1.75X50MM)	
M	39	1	8T-4195	2	BOLT (M10X1.5X30MM)	
M	40	1	8T-4196	2	BOLT (M10X1.5X35MM)	
	41	2,3	8T-4223	6	WASHER-HARD (13.5X25.5X3MM THK)	
	42	1,2	8T-4224	9	WASHER-HARD (8.8X16X2MM THK)	
M	43	1	8T-7547	1	BOLT (M8X1.25X30MM)	
D	44	3	5P-5639		SEAL (.565M)	
D	44A	3	5P-5639		SEAL (.64M)	
D	44B	3	5P-5639	2	SEAL (.562M EACH)	
D	45	3	5P-5641	2	SEAL (.517M EACH)	
D	45A	3	5P-5641		SEAL (.482M)	

D-ORDER BY THE METER
M-METRIC PART
Y-SEPARATE ILLUSTRATION

POWER TRAIN

150-3157 COOLER GP-AXLE OIL (contd.)

101563715



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

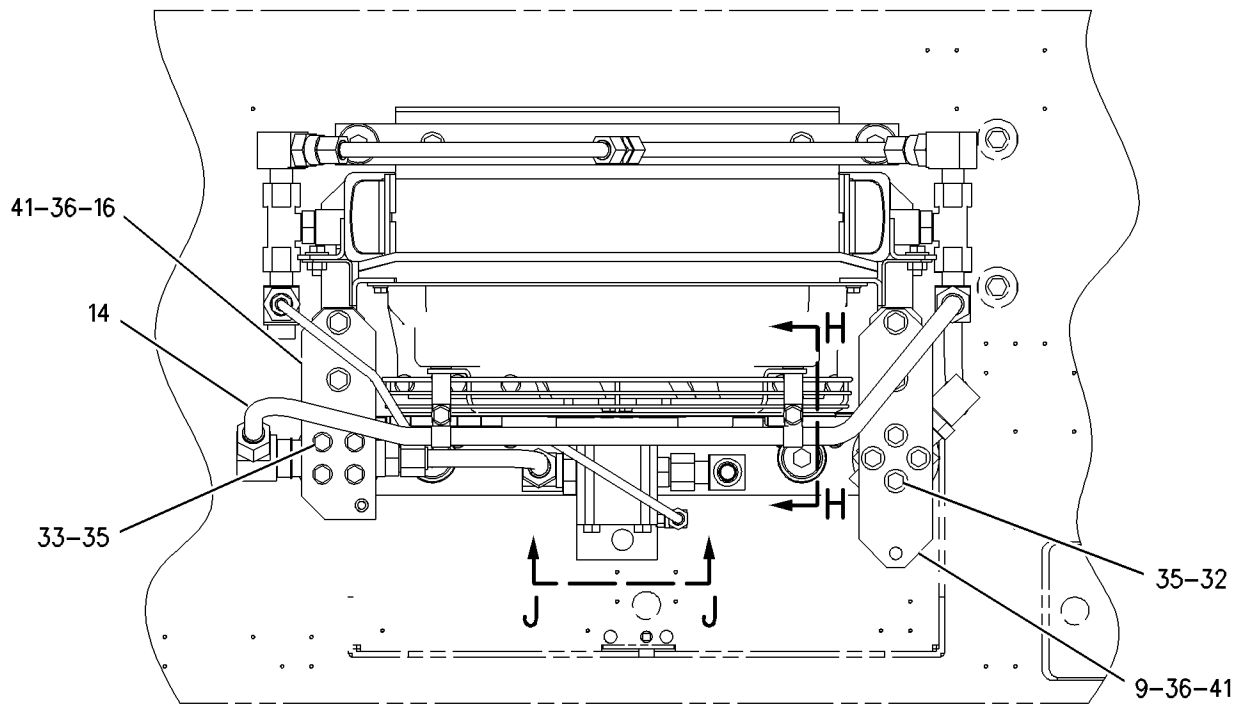
GRAPHIC #1

g00679886

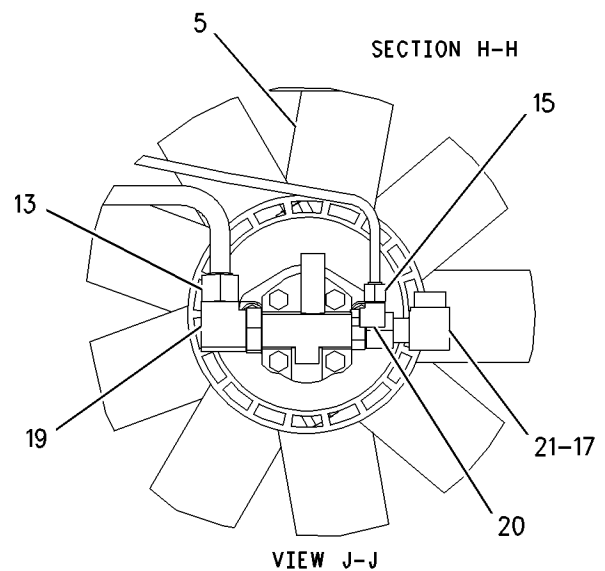
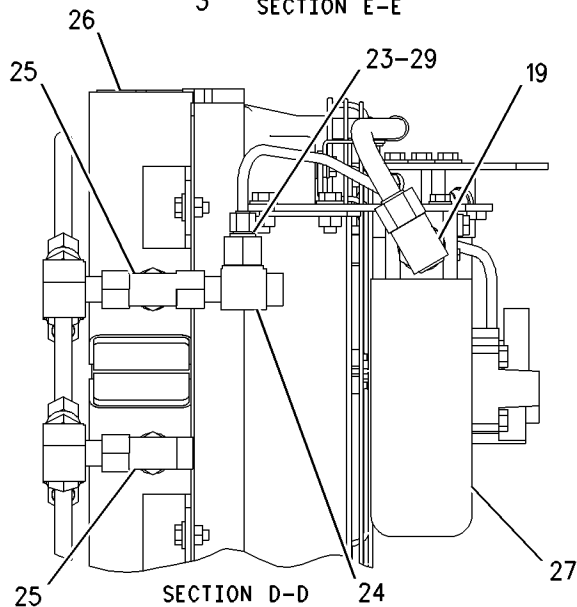
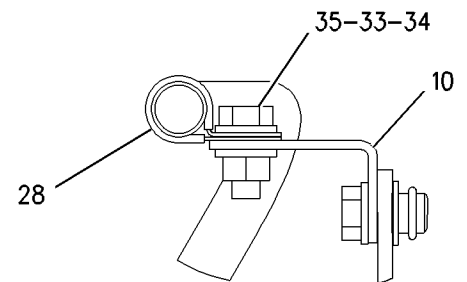
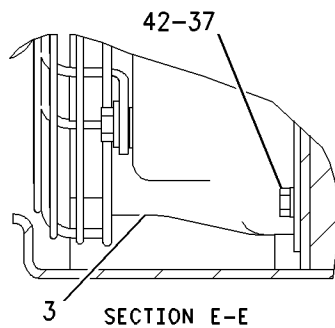
POWER TRAIN

150-3157 COOLER GP-AXLE OIL (contd.)

i01563715



TOP VIEW



REFER TO ALL ILLUSTRATION OF
THIS GROUP FOR AUXILIARY VIEWS

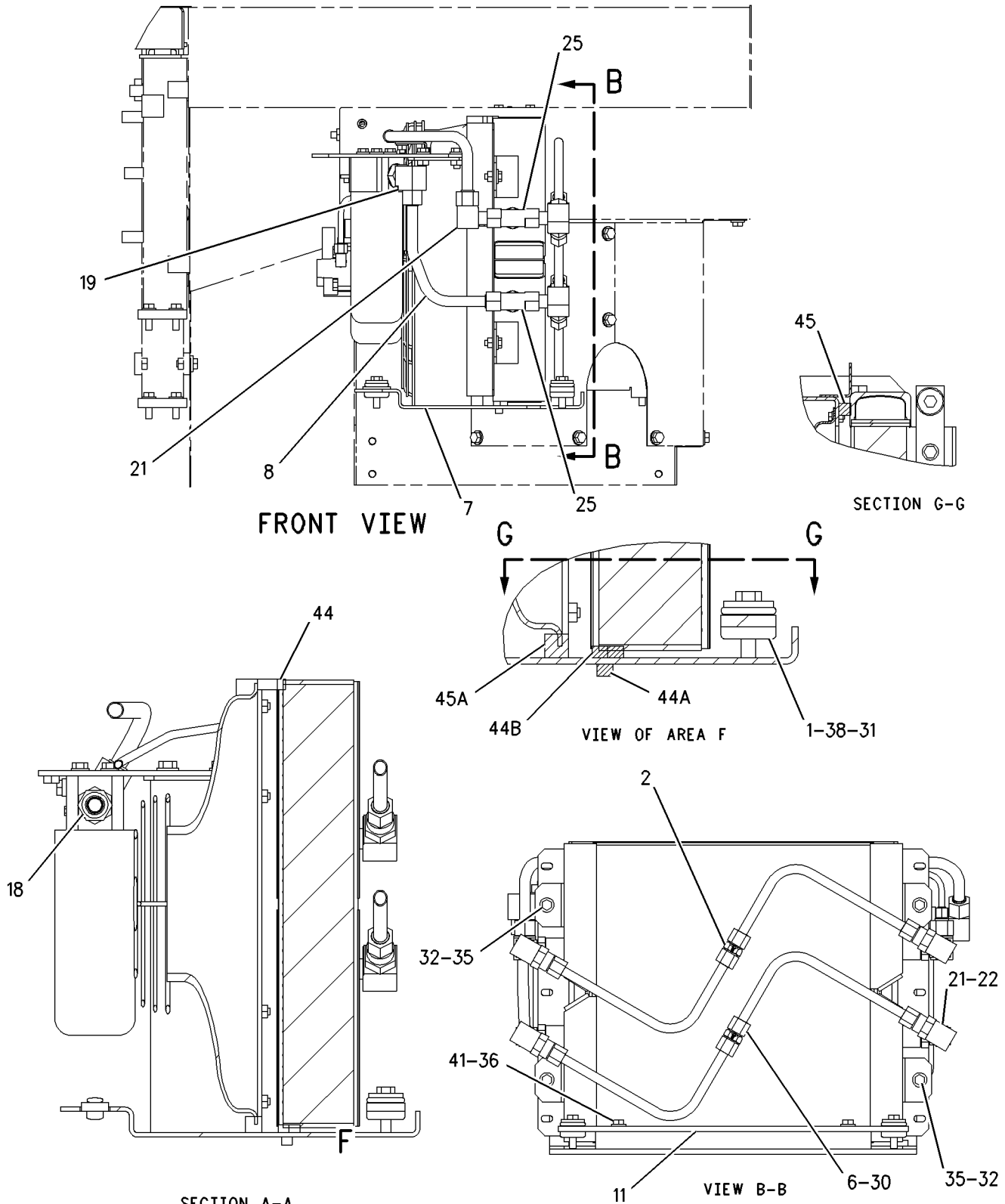
g00679951

GRAPHIC #2

POWER TRAIN

150-3157 COOLER GP-AXLE OIL (contd.)

101563715



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

g00812265

GRAPHIC #3

MEMORANDA

POWER TRAIN

179-3445 COOLER GP-AXLE OIL

S/N: BPC1-UP

PART OF 153-0486 COOLER AR-AXLE OIL
AN ATTACHMENT

SMCS-1365

i01365574

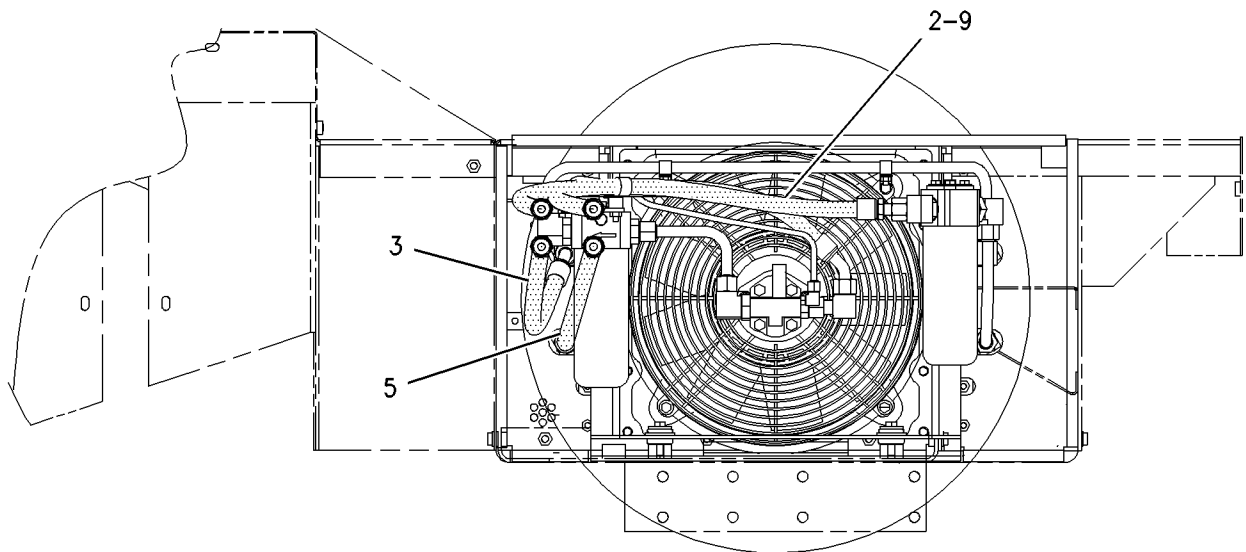
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	6H-7062	1	SPACER (19MM THK)	
I	2	1	9U-4915	1	HOSE AS	
I	3	1	100-3478	1	HOSE AS	
Y	4	1	150-3157	1	COOLER GP-AXLE OIL	250
I	5	1	159-8322	1	HOSE AS	
	6	1	160-3998	1	BAFFLE AS	
	7	1	160-3999	1	BAFFLE AS	
					(EACH BAFFLE AS INCLUDES)	
M		1	8T-3490	3	NUT-WELD (M10X1.5 THD)	
I	8	1	166-7959	1	HOSE AS	
	9	1	150-4049	1	ELBOW AS	
		1	6V-9746	1	SEAL-O-RING (18.94MM ID)	
		1	7M-8485	1	SEAL-O-RING (29.74MM ID)	
		1	8T-4149	1	ELBOW-45 DEGREE	
	10	1	6V-1889	2	CLIP (28.58MM ID)	
	11	1	7X-7729	6	WASHER (3MM THK)	
	12	1	8T-4121	1	WASHER-HARD (2.5MM THK)	
M	13	1	8T-4136	6	BOLT (M10X1.50X25MM)	
M	14	1	8T-4185	1	BOLT (M10X1.5X50MM)	
D	15	1	5P-5755		SEAL (.532M)	
D	16	1	5P-5755		SEAL (.173M)	
D	17	1	5P-5755		SEAL (.132M)	
D	18	1	5P-5755		SEAL (.521M)	
D	19	1	5P-5755		SEAL (.958M)	

D-ORDER BY THE METER
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

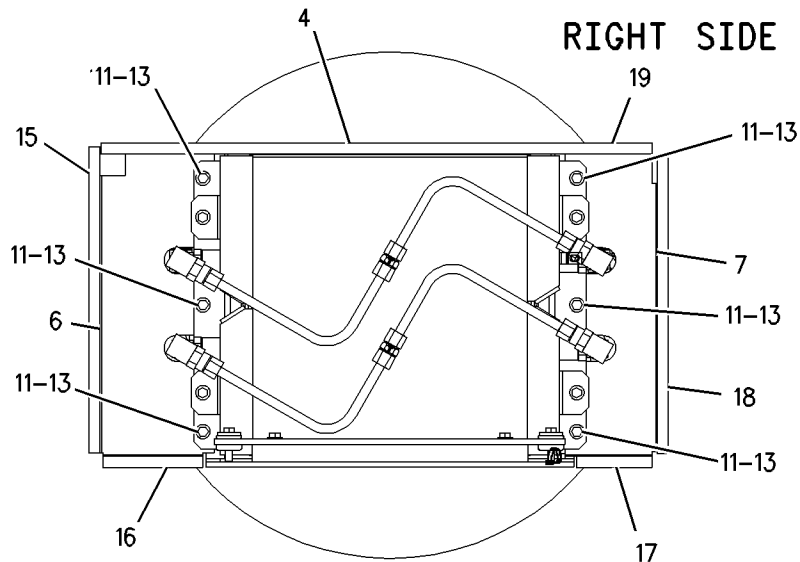
POWER TRAIN

179-3445 COOLER GP-AXLE OIL (contd.)

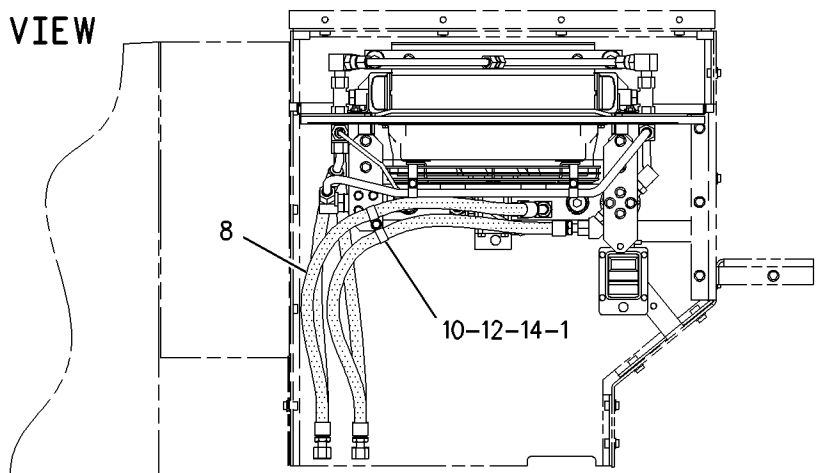
i01365574



RIGHT SIDE VIEW



LEFT SIDE VIEW



TOP VIEW

GRAPHIC #1

g00720553

POWER TRAIN

137-8851 DIFFERENTIAL & BEVEL GEAR GP

S/N: BPC1-UP

PART OF 137-8833 AXLE AR-FIXED, 137-8832 AXLE AR-OSCILLATING

SMCS-3258

i01222746

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	2	1	136-8035	1	SHAFT-BEVEL PINION	
	3	1	136-8036	1	GEAR-BEVEL (45 TEETH)	
Y	4	1	137-8858	1	DIFFERENTIAL GP	260
	5	1	5P-8248	93	WASHER-HARD (3.5MM THK)	
M	6	1	6V-3532	48	BOLT (M20X2.5X60MM)	
	7	1	137-8857	1	RING-ADJUSTING	
M	8	1	6V-8455	2	BOLT (M10X1.5X16MM)	
	9	1	5K-3661	2	LOCK-BEARING	
	10	1	8R-2857	1	RING-ADJUSTMENT	
	11	1	164-9324	1	CARRIER AS	
	12	1	3J-1907	1	SEAL-O-RING (11.89MM ID)	
M	13	1	8C-3236	4	BOLT (M30X3.5X160MM)	
	14	1	8R-2757	1	CAP-BEARING	
	15	1	9S-4191	1	PLUG-O-RING (9/16-18 THD)	
	16	1	9X-8399	4	WASHER (6.0MM THK)	
	17	1	137-8855	1	CAP-BEARING	
	18	1	5J-1086	1	SEAL-O-RING (323.44MM ID)	
	19	1	164-9333	1	HOUSING-PINION	
	20	1	6M-1638	1	CUP-ROLLER BEARING	
	21	1	6M-1637	1	CONE-ROLLER BEARING	
M	22	1	8T-4136	8	BOLT (M10X1.50X25MM)	
	23	1	8T-4121	8	WASHER-HARD (2.5MM THK)	
	24	1	4E-1966	1	RETAINER	
	25	1	133-4292	1	SEAL-LIP TYPE	
	26	1	8R-0052	1	NUT-STAKE (M90X2 THD)	
	27	1	8R-0053	1	WASHER (6.4MM THK)	
	28	1	9M-5024	1	SEAL-O-RING (209.14MM ID)	
B	29	1	164-9326	1	SHIM PACK (INCLUDES 14 SHIMS)	
	30	1	8T-3013	1	SEAL-O-RING (608.1MM ID)	
	31	1	165-2135	1	CONE-SPECIAL TAPERED	
	32	1	126-8182	11	CUP-ROLLER BEARING (236.38MM ID)	
	33	1	4B-9374	1	CUP-ROLLER BEARING	
	34	1	4B-9373	1	CONE-ROLLER BEARING	
	35	1	5M-6592	1	CUP-ROLLER BEARING	
	36	1	6B-4852	1	CONE-ROLLER BEARING	
	37	1	137-8856	1	PIN	
	38	1	154-7998	1	COVER	
M	39	1	6V-5684	4	BOLT (M12X1.75X45MM)	
	40	1	5P-8245	4	WASHER-HARD (3MM THK)	
B	41	1	154-7997	1	SHIM PACK (INCLUDES 16 SHIMS)	
	42	1	2H-3932	1	SEAL (28.17MM ID)	
M	43	1	178-2991	45	BOLT-HEX HEAD	
	44	1	173-5850	1	YOKE AS	
	45	1	1H-6227	1	SEAL-O-RING (101MM ID)	
	46	1	4E-3601	1	GUARD	
	47	1	121-1257	1	RING-RETAINING	
	48	1	144-4524	1	CUP-DUST	

B-USE AS REQUIRED

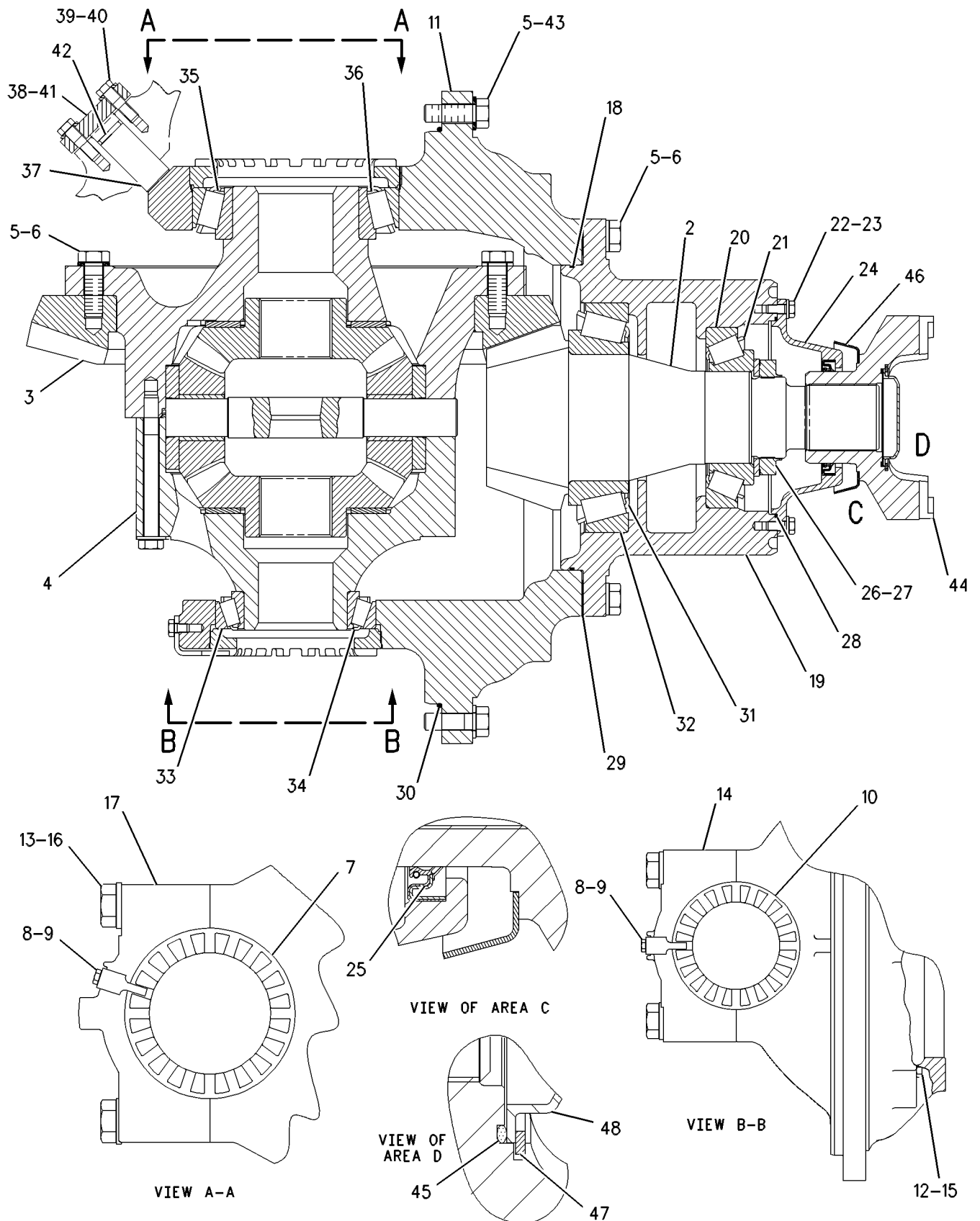
M-METRIC PART

Y-SEPARATE ILLUSTRATION

POWER TRAIN

137-8851 DIFFERENTIAL & BEVEL GEAR GP (contd.)

i01222746



GRAPHIC #1

g00510118

POWER TRAIN

137-8858 DIFFERENTIAL GP

S/N: BPC1-UP

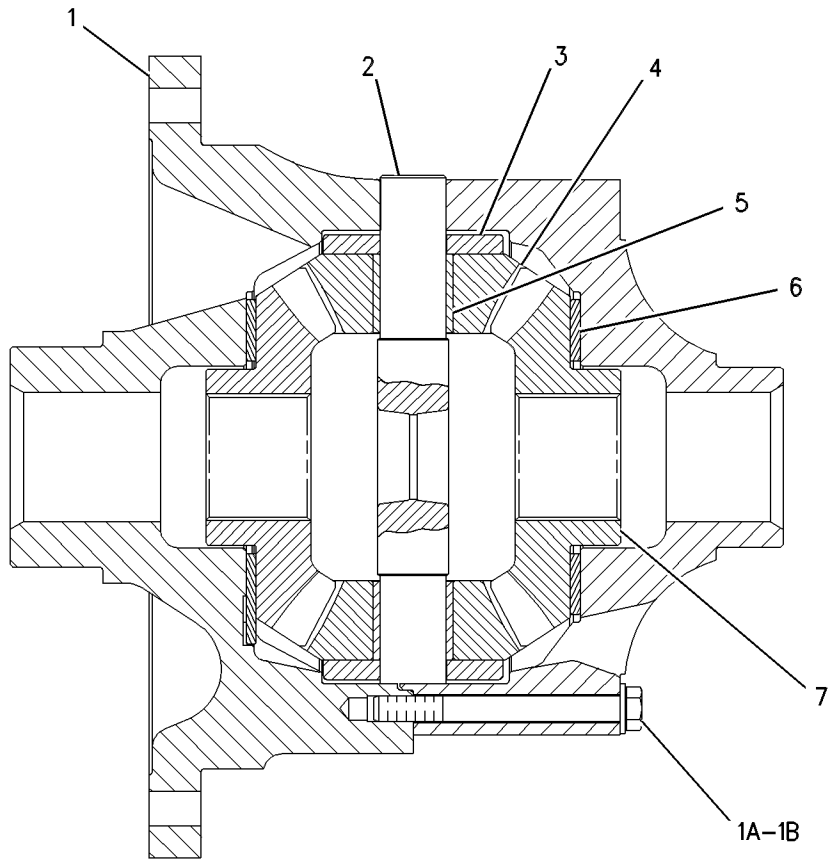
PART OF 137-8851 DIFFERENTIAL & BEVEL GEAR GP

SMCS-3258

i00952916

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	137-8859	1	CASE AS-DIFFERENTIAL	
	1A	1	5P-8247	16	WASHER-HARD (3.5MM THK)	
M	1B	1	8T-0650	16	BOLT (M16X2.0X160MM)	
	2	1	140-6554	1	SPIDER	
	3	1	154-4383	4	SPACER-THRUST	
	4	1	139-9391	4	PINION-DIFFERENTIAL BEVEL	
	5	1	140-6555	4	BEARING-SLEEVE	
	6	1	140-6553	2	WASHER-THRUST	
	7	1	139-9392	2	GEAR-DIFFERENTIAL BEVEL	

M-METRIC PART



GRAPHIC #1

g00514123

POWER TRAIN

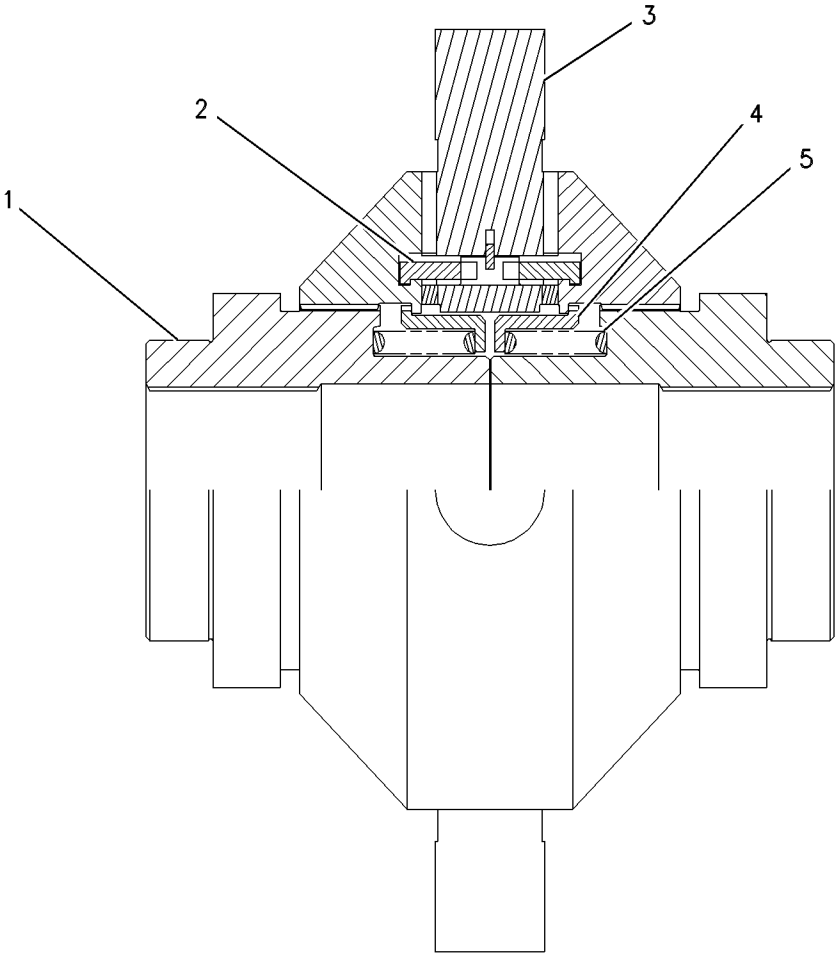
146-4378 DIFFERENTIAL GP-NOSPIN

S/N: BPC1-UP
PART OF 146-7271 DIFFERENTIAL GP-NOSPIN
AN ATTACHMENT

SMCS-3265

i00955835

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	146-7274	2	GEAR-SIDE						
	2	1	2G-3747	2	CLUTCH AS						
	3	1	146-7275	1	SPIDER AS						
	4	1	7D-4721	2	RETAINER						
	5	1	7D-4719	2	SPRING						



GRAPHIC #1

g00495057

POWER TRAIN

146-7271 DIFFERENTIAL GP-NOSPIN

S/N: BPC1-UP

PART OF 146-7272 DIFFERENTIAL GP-NOSPIN
AN ATTACHMENT

SMCS-3265

i01227876

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	137-8859	1	CASE AS-DIFFERENTIAL						
M	8T-0650	16	BOLT (M16X2.0X160MM)						
	5P-8247	16	WASHER-HARD (3.5MM THK)						
Y	146-4378	1	DIFFERENTIAL GP-NOSPIN						261
M-METRIC PART									
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

146-7272 DIFFERENTIAL GP-NOSPIN

S/N: BPC1-UP
AN ATTACHMENT

SMCS-3265

i00955844

			PART NAME						SEE PAGE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	146-7271	1	DIFFERENTIAL GP-NOSPIN						262
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

137-8865 FASTENER GP-AXLE MOUNTING

S/N: BPC1-UP

PART OF 139-5896 POWER TRAIN AR

SMCS-3260, 3278

i01212717

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
M	9X-6151	8	BOLT (M30X3.5X240MM) (REAR TRUNNION SUPPORT MTG)						
M	139-5943	12	BOLT-HEX HEAD (FRONT AXLE MTG)						
M	178-2992	4	BOLT-HEX HEAD (FRONT TRUNNION SUPPORT MTG)						
M	8T-1583	12	NUT (M30X3.50 THD) (FRONT AXLE MTG)						
	9X-8399	36	WASHER (6.0MM THK)						
M-METRIC PART									

MEMORANDA

POWER TRAIN

170-3843 FILTER GP-OIL-POWER TRAIN

S/N: BPC1-UP

PART OF 201-2458 LINES GP-POWER TRAIN OIL

SMCS-3004, 3067

i01626030

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7M-1297	1	SPRING						
	2	1	7N-1228	1	SPRING-GOVERNOR						
	3	1	9S-4191	2	PLUG-STRAIGHT THREAD						
	4	1	133-2198	1	SPRING						
	5	1	139-1535	1	FILTER ELEMENT AS-OIL (HYDRAULIC) (POWER TRAIN)						
	6	1	152-1130	1	RETAINER						
	7	1	161-4511	1	SEAL-O-RING						
	8	1	166-9367	1	SPOOL-BYPASS						
	9	1	170-0050	1	BASE-OIL FILTER						
	10	1	173-8278	1	HOUSING-FILTER						
Z	11	1		1	COVER						
	11A	1	173-7760		HANDLE						
M	11B	1	6V-8212	2	BOLT (M10X1.50X16MM)						
	11C	1	006-8350	1	SEAL-O-RING						
	11D	1	208-8661	1	STUD						
	11E	1	154-9731	1	COMPOUND-THREAD LOCK						
	11F	1	138-1509	1	DRAIN AS						
		1	138-1510	1	PLUG						
	11G	1	8F-0212	1	SEAL-O-RING						
	11H	1	7M-8485	1	SEAL-O-RING						
	12	1	3J-1907	2	SEAL-O-RING						
M	13	1	6V-4429	6	BOLT (M16X2X40MM)						
	14	1	8M-6393	1	RING-RETAINING						

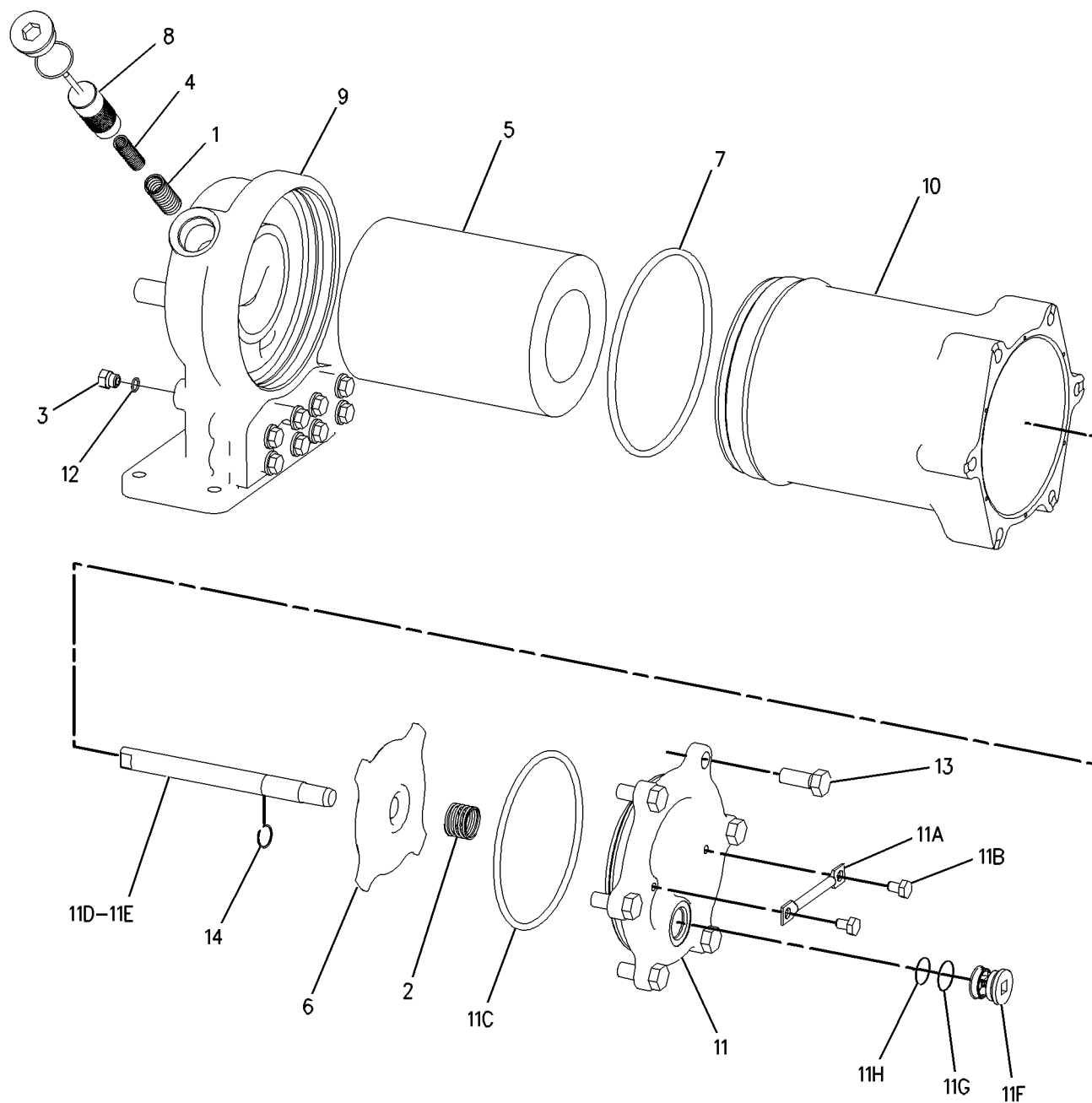
M-METRIC PART

Z-NOT SERVICED SEPARATELY

POWER TRAIN

170-3843 FILTER GP-OIL (contd.)

i01626030



GRAPHIC #1

g00842271

POWER TRAIN

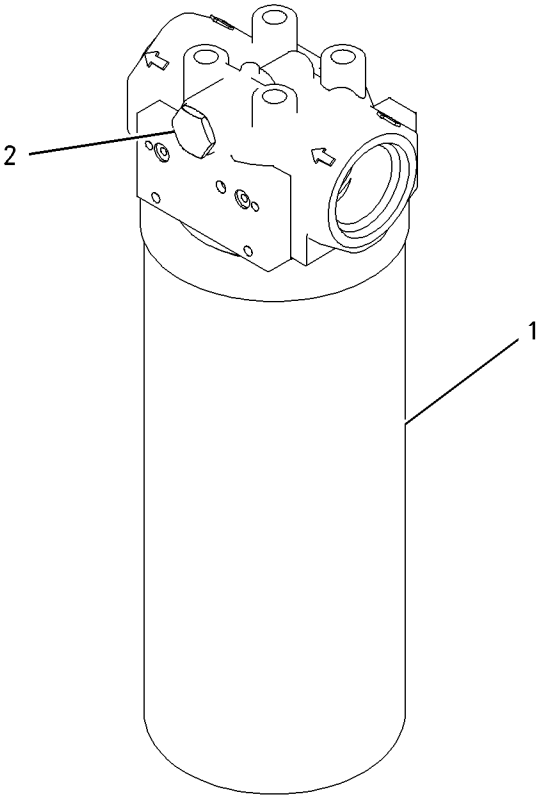
183-6194 FILTER GP-OIL-AXLE OIL COOLER

S/N: BPC1-UP
PART OF 150-3157 COOLER GP-AXLE OIL
AN ATTACHMENT

SMCS-3004, 3067

i01243679

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1G-8878	1	FILTER AS-HYDRAULIC						
	2	1	164-6709	1	PLUG AS-HYDRAULIC						



GRAPHIC #1

g00667341

POWER TRAIN

164-6884 GAUGE GP-LIQUID LEVEL

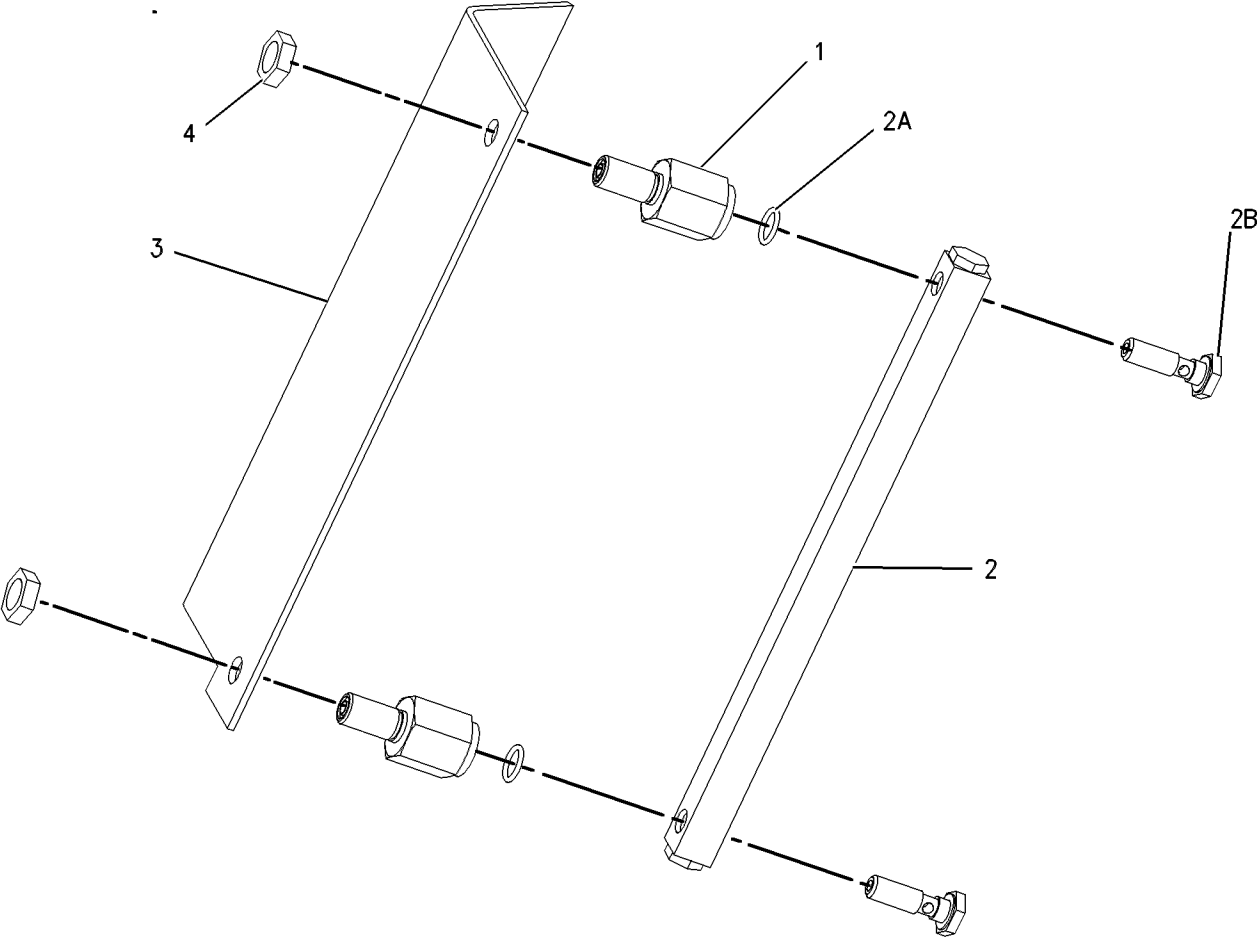
S/N: BPC1-UP

PART OF 201-2458 LINES GP-POWER TRAIN OIL

SMCS-7479

i00998468

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	124-0689	2	ADAPTER						
	2	1	132-6277	1	GAUGE-LIQUID LEVEL						
	2A	1	8F-3469	2	SEAL (15.54MM ID)						
	2B	1	121-7958	2	BOLT-MOUNTING						
	3	1	164-6420	1	BRACKET						
	4	1	6V-9168	2	NUT (11/16-16 THD)						



GRAPHIC #1

g00519901

POWER TRAIN

137-6228 GEAR GP-INPUT TRANSFER

S/N: 3NY1-UP

PART OF 137-6229 TRANSMISSION AR

SMCS-3159

i01453775

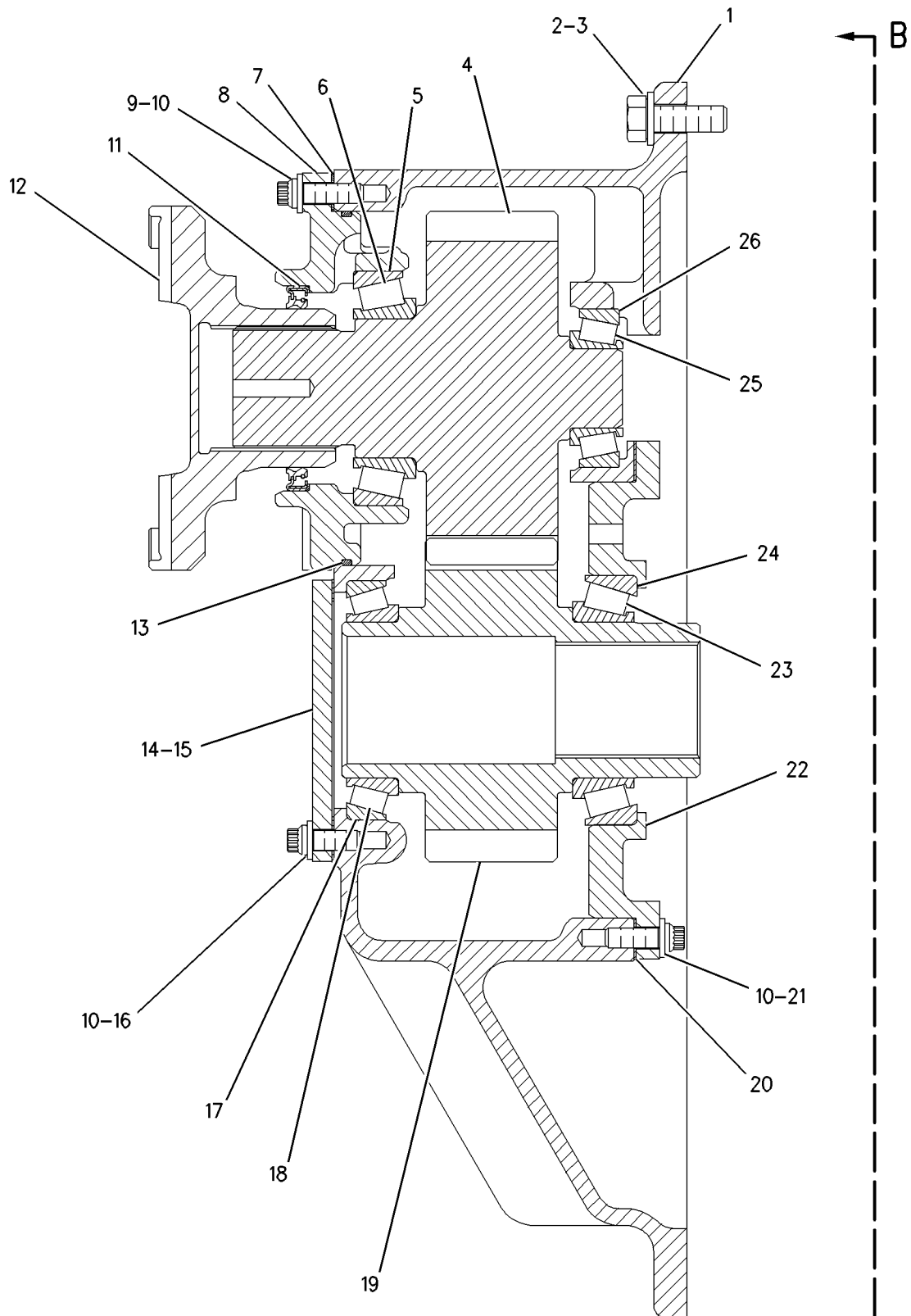
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	147-8561	1	CASE-TRANSFER						
	2	1	0S-1585	12	BOLT (1/2-13X1.50 IN)						
	3	1	5P-8245	12	WASHER-HARD (13.5X25.5X3MM THK)						
	4	1	173-1830	1	GEAR (32 TEETH)						
	5	1	3L-9409	1	CUP-ROLLER BEARING						
	6	1	3L-9410	1	CONE-ROLLER BEARING						
B	7	1	147-8563	1	SHIM PACK (INCLUDES 9 SHIMS)						
	8	1	147-8562	1	CAGE-BEARING						
	9	1	9L-7494	6	BOLT-12 POINT HEAD (3/8-16X1.250 IN)						
	10	1, 2	5M-2894	17	WASHER-HARD (10.2X18.5X2.5MM THK)						
	11	1	9X-7743	1	SEAL-LIP						
	12	1	148-8889	1	YOKE AS						
		1	8H-2768	1	PLUG-CUP						
	13	1	2K-4472	1	SEAL-O-RING (158.34MM ID)						
	14	1	2N-0822	1	PLATE						
	15	1	3P-6061	1	GASKET						
	16	1	030-8539	4	BOLT-12 POINT HEAD (3/8-16X1.125 IN)						
	17	1	9S-7949	1	CUP-ROLLER BEARING						
	18	1	9S-7950	1	CONE-ROLLER BEARING						
	19	1	173-1827	1	GEAR (29 TEETH)						
B	20	1	3P-9658	1	SHIM PACK (INCLUDES 17 SHIMS)						
	21	1	6V-1270	6	BOLT-12 POINT HEAD						
	22	1	187-0678	1	CAGE-BEARING						
	23	1	7D-8636	1	CONE-BEARING						
	24	1	7D-8637	1	CUP-BEARING						
	25	1	1B-3953	1	CONE-ROLLER BEARING						
	26	1	1B-3955	1	CUP-ROLLER BEARING						
	27	2	7B-1597	1	CLIP						
	28	2	179-6997	1	TUBE AS						
	29	2	030-7947	1	ELBOW						
	30	2	3J-1907	1	SEAL-O-RING						
	31	2	5K-9243	1	ELBOW-FLARED						
	32	2	179-6998	1	TUBE AS						
	33	2	2B-2404	1	CLIP						
	34	2	0T-0102	1	BOLT (3/8-16X0.625 IN)						

B-USE AS REQUIRED

POWER TRAIN

137-6228 GEAR GP - INPUT TRANSFER (contd.)

i01453775



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

SECTION A-A
GRAPHIC 2

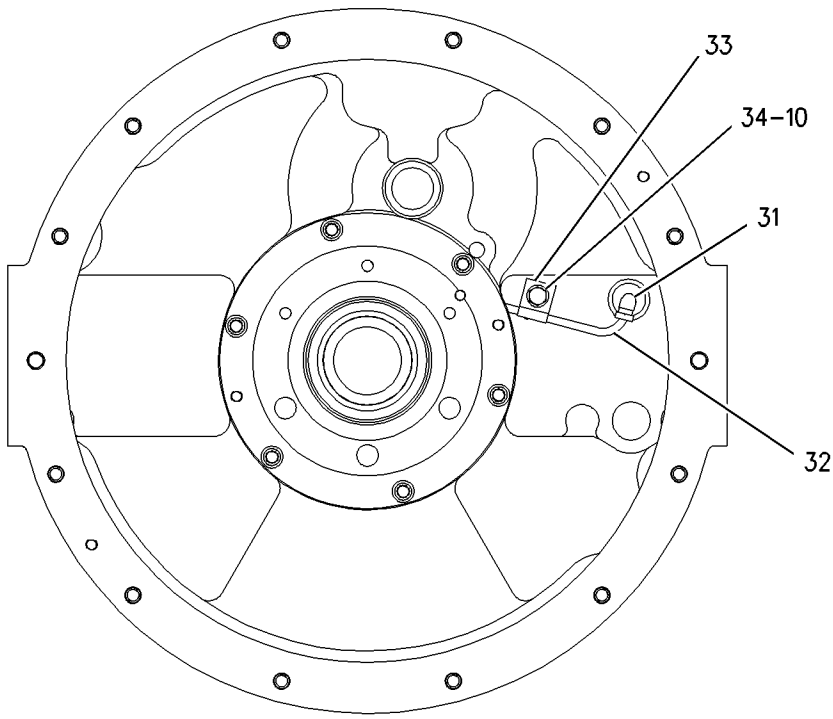
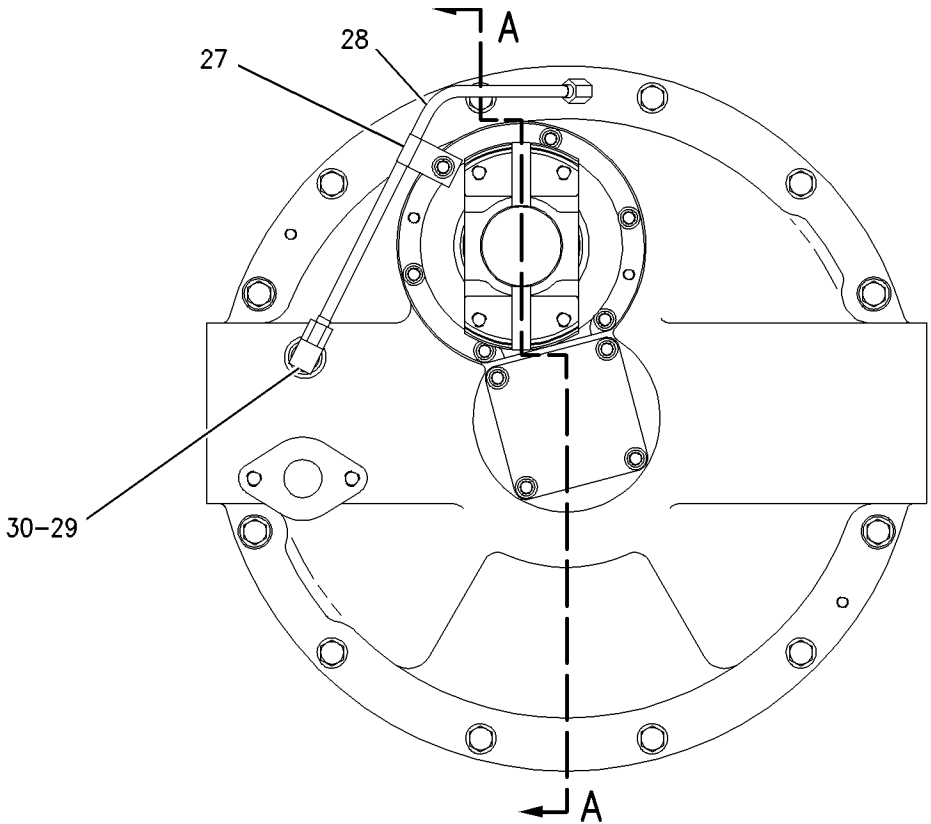
GRAPHIC #1

g00701028

POWER TRAIN

137-6228 GEAR GP - INPUT TRANSFER (contd.)

i01453775



VIEW B-B

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #2

g00701043

MEMORANDA

POWER TRAIN

133-8116 GEAR GP-OUTPUT TRANSFER

S/N: 3NY1-UP

PART OF 137-6229 TRANSMISSION AR

SMCS-3075, 3159

i01453523

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	134-9817	1	CASE AS-TRANSFER	
		2	0S-1594	1	BOLT (3/8-16X1 IN)	
		2	4D-6473	2	DOWEL	
		2	5M-2894	1	WASHER-HARD (10.2X18.5X2.5MM THK)	
		2	8M-8659	2	DOWEL	
B	2	2	6Y-6328	1	SHIM PACK (INCLUDES 13 SHIMS)	
	3	1,2	0S-1587	11	BOLT (1/2-13X1.75 IN)	
	4	1,2	5P-8245	39	WASHER-HARD (13.5X25.5X3MM THK)	
	5	2	123-5298	1	CAGE-BEARING	
B	6	2	6Y-6329	1	SHIM PACK (INCLUDES 13 SHIMS)	
	7	2	123-2997	1	CAGE AS-BEARING	
		2	3D-0490	4	STUD-TAPERLOCK (1/2-13 X 2.0 IN OAL)	
	8	2	3F-5792	1	SEAL-O-RING	
	9	2	1P-9269	1	COVER	
	10	2	1F-7958	4	NUT-FULL (1/2-13 THD)	
	11	2	1A-1460	7	BOLT (1/2-13X2 IN)	
	12	2	173-0715	1	YOKE AS	
		2	8E-4765	1	GUARD-DIRT	
	13	2	1P-4079	1	CAGE-BEARING	
	14	2	178-4641	2	CUP-BEARING	
	15	2	178-4640	2	CONE-BEARING	
	16	2	5J-1086	1	SEAL-O-RING (323.44MM ID)	
	17	2	1P-4078	1	SPACER (10.08MM THK)	
	18	2	6P-4947	1	RETAINER	
	19	2	2A-4639	6	BOLT (3/8-16X1.625 IN)	
	20	2	5M-2894	14	WASHER-HARD (10.2X18.5X2.5MM THK)	
	21	2	6Y-6441	1	SHAFT-TRANSFER	
	22	2	129-0987	1	DRAIN AS	
		2	6J-2419	1	SEAL-O-RING	
		2	8F-0212	1	SEAL-O-RING (31.47MM ID)	
		2	129-0988	1	PLUG	
	23	2	5F-8000	1	SEAL-O-RING	
	24	2	2H-6490	1	BEARING-INNER	
	25	2	2H-6489	1	RACE-BEARING OUTER	
	26	2	2K-4472	1	SEAL-O-RING (158.34MM ID)	
	27	2	1P-4082	1	CAGE-BEARING	
	28	2	173-0714	1	YOKE	
	29	2	7K-1695	2	RETAINER	
	30	2	1A-3103	2	BOLT (3/4-16X3.75IN)	
	31	2	2H-3933	2	SEAL-O-RING (66.04MM ID)	
	32	2	034-3557	8	BOLT-LOCKING (3/8-16X1.125 IN)	
	33	2	3T-6175	1	GEAR (35 TEETH)	
	34	2	123-2877	1	GEAR-TRANSFER (35 TEETH)	
	35	2	124-0503	2	CONE-TAPERED	
	36	2	124-0504	2	CUP-TAPERED	
	37	2	7L-2181	1	SEAL-O-RING (177.39MM ID)	
	38	2	123-2876	1	GEAR-TRANSFER (30 TEETH)	
	39	2	1A-8651	2	BOLT (5/8-11X4.5IN)	
	40	2	5P-8247	20	WASHER-HARD (17X32X3.5MM THK)	
	41	2	5P-2587	1	SEAL-O-RING (520.07MM ID)	
	42	2	124-0501	2	CONE-TAPERED	
	43	2	124-0502	2	CUP-TAPERED	
	44	2	8C-3075	2	SEAL-LIP	
	45	1	9X-8873	8	BOLT (1/2-13X2.25 IN)	
	46	1	170-7309	3	SPACER-HARD	
	47	1	9X-8874	8	BOLT (1/2-13X3 IN)	

POWER TRAIN

133-8116 GEAR GP - OUTPUT TRANSFER (contd.)

i01453523

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	48	1	6V-6640		SEALANT	
	49	2	1B-4367	18	BOLT (5/8-11X3 IN)	
M	50	1	6V-4248	4	BOLT (M10X1.50X25MM)	
M	51	2	8T-0722	2	BOLT-LOCKING (M10X1.5X30MM)	
	52	1	6P-4903	1	PLATE AS	
		1	7B-3028	2	SCREW-DRIVE (NO 4X3/16 IN)	
		1	7S-2962	1	WASHER-SPRING	
	53	1, 2	6V-5839	6	WASHER (11X21X2.5MM THK)	
	54	1	5F-0149	1	SEAL-O-RING (91.44MM ID)	
	55	1	4S-8603	1	TUBE AS	
	56	1	4S-8598	1	SCREEN-SUCTION	
	57	1	160-1638	1	HOUSING-SCREEN	
	58	1	9X-8875	4	BOLT (1/2-13X3.5IN)	
	59	1	2H-2665	1	SEAL-O-RING	
Y	60	1	193-2550	2	SENSOR GP-SPEED (TRANSMISSION OUTPUT)	183
M	61	1	6V-6317	2	BOLT (M10X1.5X20MM)	
	62	1	9X-8268	2	WASHER (17.5X30X3.5MM THK)	
	63	1	1V-6341	2	SEAL	
	64	1	1S-6595	1	GASKET (OIL SUPPLY)	
	65	1	5M-3154	1	COVER	

B-USE AS REQUIRED

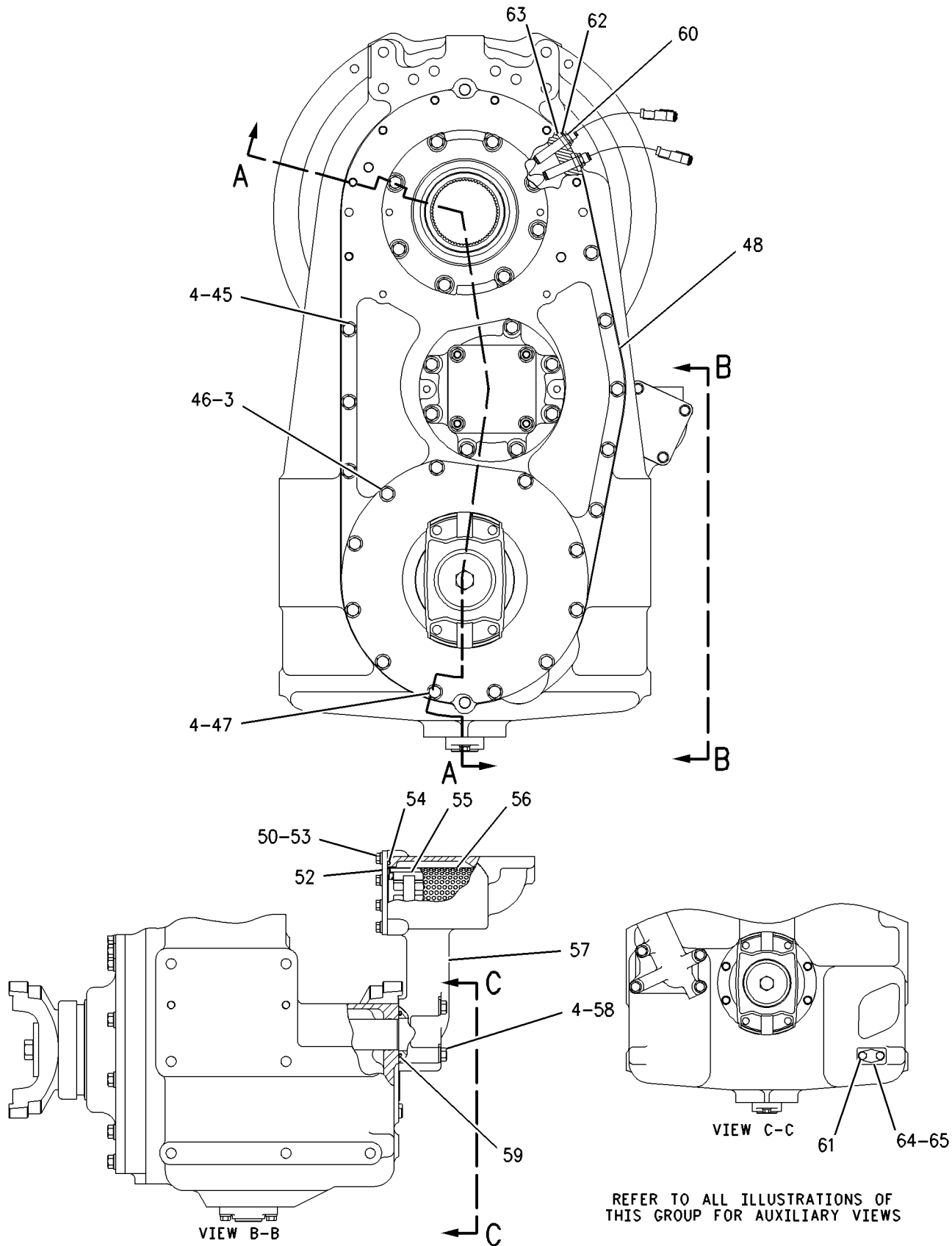
M-METRIC PART

Y-SEPARATE ILLUSTRATION

POWER TRAIN

133-8116 GEAR GP - OUTPUT TRANSFER (contd.)

i01453523



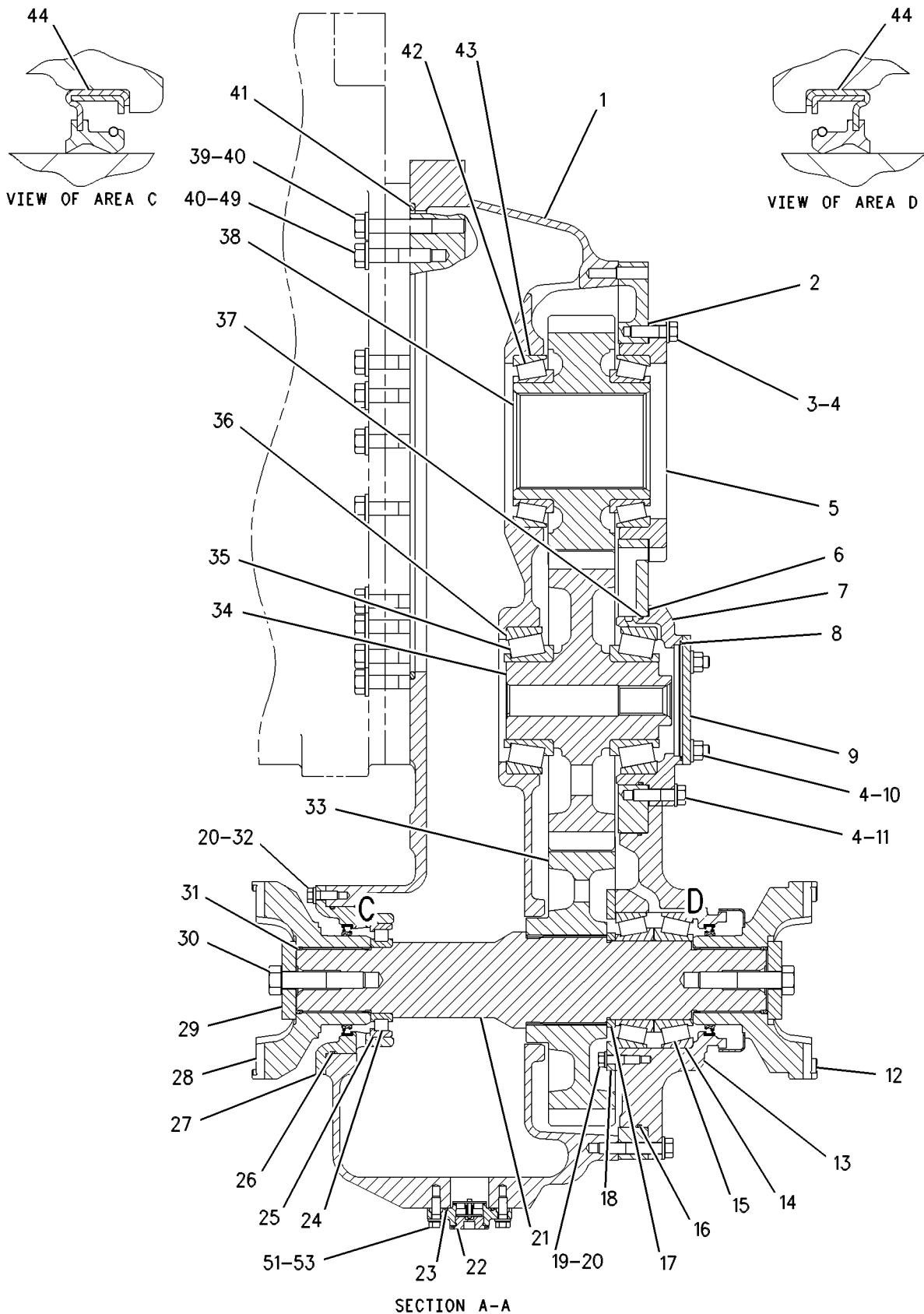
GRAPHIC #1

g00760292

POWER TRAIN

133-8116 GEAR GP - OUTPUT TRANSFER (contd.)

i01453523



GRAPHIC #2

g00625923

POWER TRAIN

160-3929 LINES GP-AXLE OIL COOLER-REAR

S/N: BPC1-UP

PART OF 153-0486 COOLER AR-AXLE OIL
AN ATTACHMENT

SMCS-3016

i01627879

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	1H-8661	1	PIPE	
	2	2	6D-1004	1	GASKET	
	3	2	6K-5290	1	BRACKET	
	4	1	8C-6162	1	MANIFOLD	
I	5	1	205-9182	1	HOSE AS	
I	6	1	203-9367	1	HOSE AS	
	7	2	9T-5134	1	VALVE-CHECK	
	8	1	9U-2277	1	CLIP AS	
	9	1	9X-6772	1	STRAP-CABLE	
I	10	1	142-8162	1	HOSE AS	
	11	1	136-0021	1	TUBE AS	
	12	1	136-0022	1	TUBE AS	
	13	2	138-4050	1	BRACKET AS	
	14	2	141-7072	1	BLOCK	
I	15	1	203-9365	1	HOSE AS	
I	16	1	149-7297	1	HOSE AS	
Y	17	1	149-2610	1	VALVE GP-SOLENOID (AXLE OIL COOLER)	362
	18	2	160-3922	1	PLATE	
I	19	1	160-3923	1	HOSE AS	
	20	2	160-3928	1	PLATE	
	21	2	167-8379	1	PLATE	
	22	1	167-9204	1	TUBE AS	
	23	1	167-9251	1	TUBE AS	
	24	2	187-3707	1	PUMP GP-GEAR (AXLE OIL COOLER)	
		2	190-3821	1	KIT-SEAL	
		2	190-3822	1	KIT-RELIEF VALVE	
I	25	1	203-9366	1	HOSE AS	
	26	1	203-9364	1	BRACKET AS	
	27	1	203-9369	1	TUBE AS	
I	28	1	205-9185	1	HOSE AS	
	29	1	190-0543	1	TUBE AS	
	30	2	110-9160	1	UNION-BULKHEAD	
	31	2	148-8327	2	CONNECTOR GP	
					(EACH INCLUDES)	
		2	6V-8637	1	CONNECTOR-SEAL	
		2	3D-2824	1	SEAL-O-RING	
		2	6V-9746	1	SEAL-O-RING	
	32	2	148-8328	2	CONNECTOR GP	
					(EACH INCLUDES)	
		2	6V-8633	1	CONNECTOR	
		2	3D-2824	1	SEAL-O-RING	
		2	6V-8398	1	SEAL-O-RING	
	33	2	148-8333	1	CONNECTOR GP	
		2	8T-7927	1	CONNECTOR	
		2	6V-8400	1	SEAL-O-RING	
		2	7M-8485	1	SEAL-O-RING	
	34	1	148-8335	1	CONNECTOR GP	
		1	6V-8635	1	CONNECTOR	
		1	5K-9090	1	SEAL-O-RING	
		1	7M-8485	1	SEAL-O-RING	
	35	2	150-4049	1	ELBOW GP	
		2	8T-4149	1	ELBOW	
		2	6V-9746	1	SEAL-O-RING	
		2	7M-8485	1	SEAL-O-RING	
	36	2	148-8355	1	ELBOW GP	

POWER TRAIN

160-3929 LINES GP-AXLE OIL COOLER (contd.)

i01627879

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
		2	6V-9005	1	ELBOW	
		2	5K-9090	1	SEAL-O-RING	
		2	7M-8485	1	SEAL-O-RING	
37		2	148-8360	1	ELBOW GP	
		2	6V-9182	1	ELBOW	
		2	6V-9746	1	SEAL-O-RING	
		2	7M-8485	1	SEAL-O-RING	
38		1	148-8364	2	ELBOW GP	
					(EACH INCLUDES)	
		1	6V-8625	1	ELBOW	
		1	3K-0360	1	SEAL-O-RING	
		1	6V-8398	1	SEAL-O-RING	
39		2	148-8387	1	ELBOW GP	
		2	6V-9855	1	ELBOW	
		2	6V-8400	1	SEAL-O-RING	
40		2	148-8392	1	ELBOW GP	
		2	6V-9853	1	ELBOW-SWIVEL	
		2	6V-9746	1	SEAL-O-RING	
41		1	148-8449	1	TEE GP-SWIVEL	
		1	6V-9839	1	TEE-SWIVEL	
		1	6V-9746	2	SEAL-O-RING	
42		2	148-8455	2	UNION GP	
					(EACH INCLUDES)	
		2	6V-8997	1	UNION	
		2	6V-9746	2	SEAL-O-RING	
43		1	148-8442	1	TEE AS	
		1	8T-1685	1	TEE	
		1	6V-9746	2	SEAL-O-RING	
		1	7M-8485	1	SEAL-O-RING	
44		2	165-4933	3	ELBOW AS	
					(EACH INCLUDES)	
		2	6V-8990	1	ELBOW	
		2	6V-9746	2	SEAL-O-RING	
45		1	1P-3703	1	SEAL-RECTANGULAR	
46		1	1P-3704	1	SEAL-RECTANGULAR	
47		2	2H-3926	8	LOCKWASHER	
48		2	2P-1293	5	LOCKNUT-BULKHEAD (1 3/16-12 THD)	
49		2	148-8339	1	CONNECTOR GP	
50		1,2	4S-4455	6	CLIP	
51		2	5P-1076	4	WASHER-HARD (13.5X30X4MM THK)	
52		1	5P-2369	2	CLIP	
53		2	5P-9085	1	CLIP	
54		1	6K-4934	1	CLIP	
55		1	6K-4935	1	BRACKET	
56		2	6K-5291	1	CLIP	
57		1	3D-2824	1	SEAL-O-RING	
58		1,2	6V-8400	3	SEAL-O-RING	
59		2	6V-9173	1	NUT-BULKHEAD	
60		1	6V-9746	1	SEAL-O-RING	
61		2	053-0558	1	CLAMP	
M		1	8T-4140	1	BOLT (M16X2X60MM)	
		1,2	8T-4121	24	WASHER-HARD (11X21X2.5MM THK)	
M		2	8T-4136	4	BOLT (M10X1.5X25MM)	
M		1,2	8T-4137	8	BOLT (M10X1.5X20MM)	
M		1,2	8T-4139	5	BOLT (M12X1.75X30MM)	
		1,2	8T-4223	6	WASHER-HARD (13.5X25.5X3MM THK)	
M		2	8T-4244	2	NUT (M12X1.75 THD)	
M		2	8T-5041	1	BOLT (M12X1.75X120MM)	
M		2	8T-4910	2	BOLT (M12X1.75X60MM)	

POWER TRAIN

160-3929 LINES GP-AXLE OIL COOLER (contd.)

i01627879

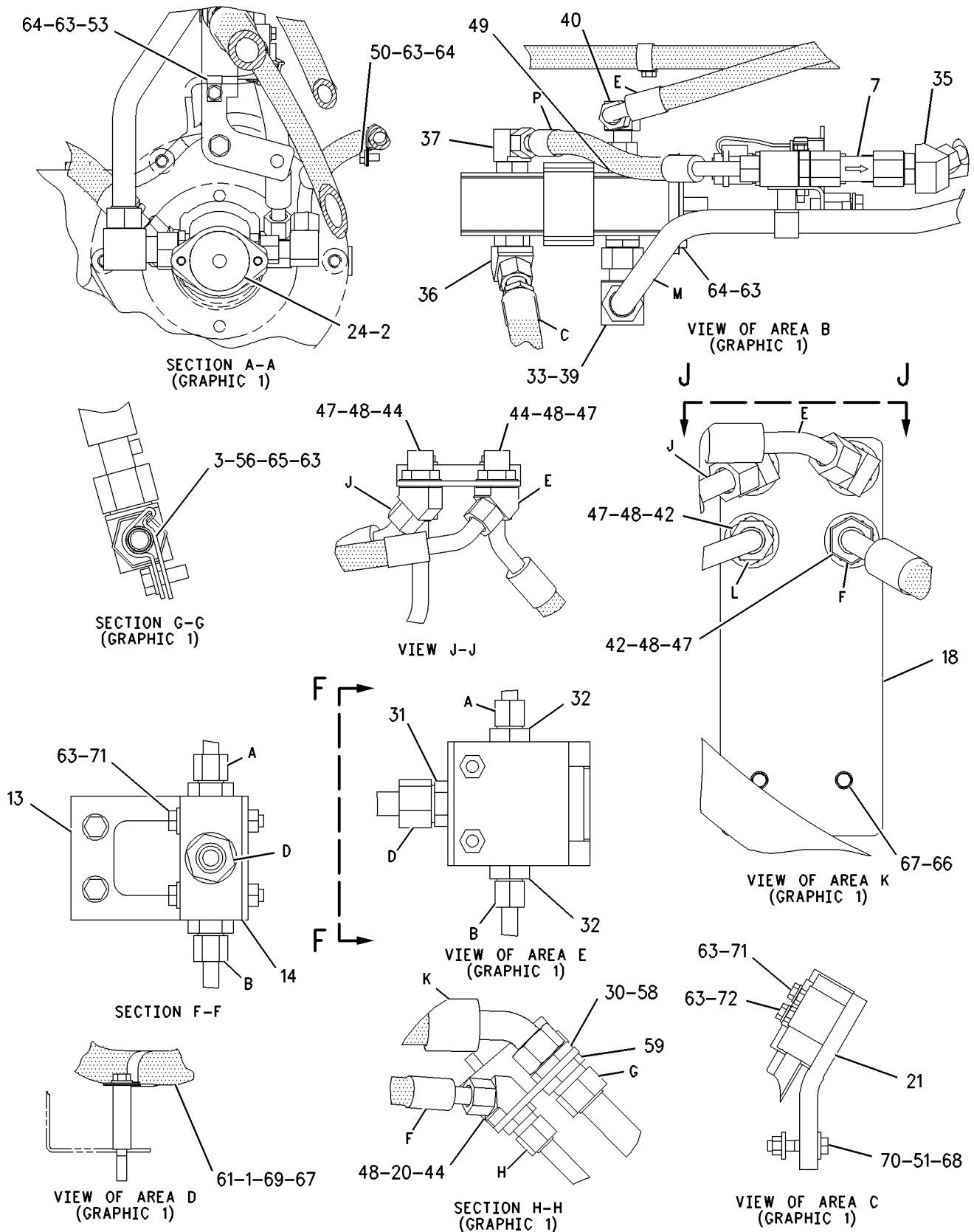
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
M	71	1,2	8T-5005	8	BOLT (M10X1.50X70MM)	
M	72	2	8T-6466	4	BOLT (M10X1.50X60MM)	
	73	1	7R-0042	1	ADAPTER	
	74	1	5T-2471	1	SPACER (17X30X35MM THK)	
	75	1	9X-8257	1	WASHER (17.5X30X3.5MM THK)	
I-SEE HOSE FABRICATION GUIDE						
M-METRIC PART						
Y-SEPARATE ILLUSTRATION						

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POWER TRAIN

160-3929 LINES GP-AXLE OIL COOLER (contd.)

101627879



GRAPHIC #2

g00806807

MEMORANDA

POWER TRAIN

160-3955 LINES GP-AXLE OIL COOLER-FRONT

S/N: BPC1-UP

PART OF 153-0486 COOLER AR-AXLE OIL
AN ATTACHMENT

SMCS-3016

i01099093

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
I	1	1	5V-0776	1	HOSE AS						
I	2	1	135-7905	1	HOSE AS						
	3	1	141-7072	1	BLOCK						
	4	1	168-3511	1	BRACKET AS						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
	5	1	168-6536	1	TUBE AS						
	6	1	168-6537	1	TUBE AS						
	7	1	168-6538	1	TUBE AS						
	8	1	168-6539	1	TUBE AS						
	9	1	168-6540	1	PLATE						
	10	1	169-5329	1	TUBE AS						
	11	1	169-5330	1	TUBE AS						
	12	1	173-1437	4	FLANGE-HALF						
	13	1	173-6120	1	BRACKET AS						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
	14	1	148-8328	2	CONNECTOR AS						
					(EACH INCLUDES)						
		1	6V-8633	1	CONNECTOR						
		1	3D-2824	1	SEAL-O-RING (23.47MM ID)						
		1	6V-8398	1	SEAL-O-RING (12.47MM ID)						
	15	1	148-8333	1	CONNECTOR AS						
		1	8T-7927	1	ADAPTER						
		1	6V-8400	1	SEAL-O-RING (29.9MM ID)						
		1	7M-8485	1	SEAL-O-RING (29.74MM ID)						
	16	1	148-8347	1	ELBOW AS						
		1	6V-9007	1	ELBOW-90 DEGREE (1 1/16-12 THD)						
		1	3D-2824	1	SEAL-O-RING (23.47MM ID)						
		1	6V-9746	1	SEAL-O-RING (18.94MM ID)						
	17	1	148-8364	2	ELBOW AS						
					(EACH INCLUDES)						
		1	6V-8625	1	ELBOW-90 DEGREE (3/4-16 THD)						
		1	6V-8398	1	SEAL-O-RING (12.47MM ID)						
		1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
	18	1	148-8387	1	ELBOW AS						
		1	6V-9855	1	ELBOW-90 DEGREE						
		1	6V-8400	1	SEAL-O-RING (29.9MM ID)						
	19	1	1P-3703	1	SEAL-RECTANGULAR (31.86MM ID)						
	20	1	1P-3704	1	SEAL-RECTANGULAR (38.2MM ID)						
	21	1	4J-0522	2	SEAL-O-RING (37.69MM ID)						
	22	1	4J-5267	2	SEAL-O-RING (24.99MM ID)						
	23	1	5K-3294	2	CLIP (12.7MM ID)						
	24	1	5P-7854	2	CLIP (31.8MM ID)						
	25	1	6D-4246	3	CLIP (19.05MM ID)						
	26	1	6V-8400	1	SEAL-O-RING (29.9MM ID)						
	27	1	6V-9746	1	SEAL-O-RING (18.94MM ID)						
	28	1	7X-7729	5	WASHER (3MM THK)						
	29	1	8C-3205	4	FLANGE-HALF						
	30	1	8T-4121	22	WASHER (2.5MM THK)						
M	31	1	8T-4133	1	NUT (M10X1.50 THD)						
M	32	1	8T-4185	8	BOLT (M10X1.5X50MM)						
M	33	1	8T-4186	2	BOLT (M10X1.50X40MM)						
M	34	1	8T-4194	2	BOLT (M12X1.75X50MM)						
M	35	1	8T-4195	4	BOLT (M10X1.50X30MM)						
M	36	1	8T-4196	8	BOLT (M10X1.50X35MM)						
	37	1	8T-4223	10	WASHER-HARD (3MM THK)						

POWER TRAIN

160-3955 LINES GP-AXLE OIL COOLER (contd.) i01099093

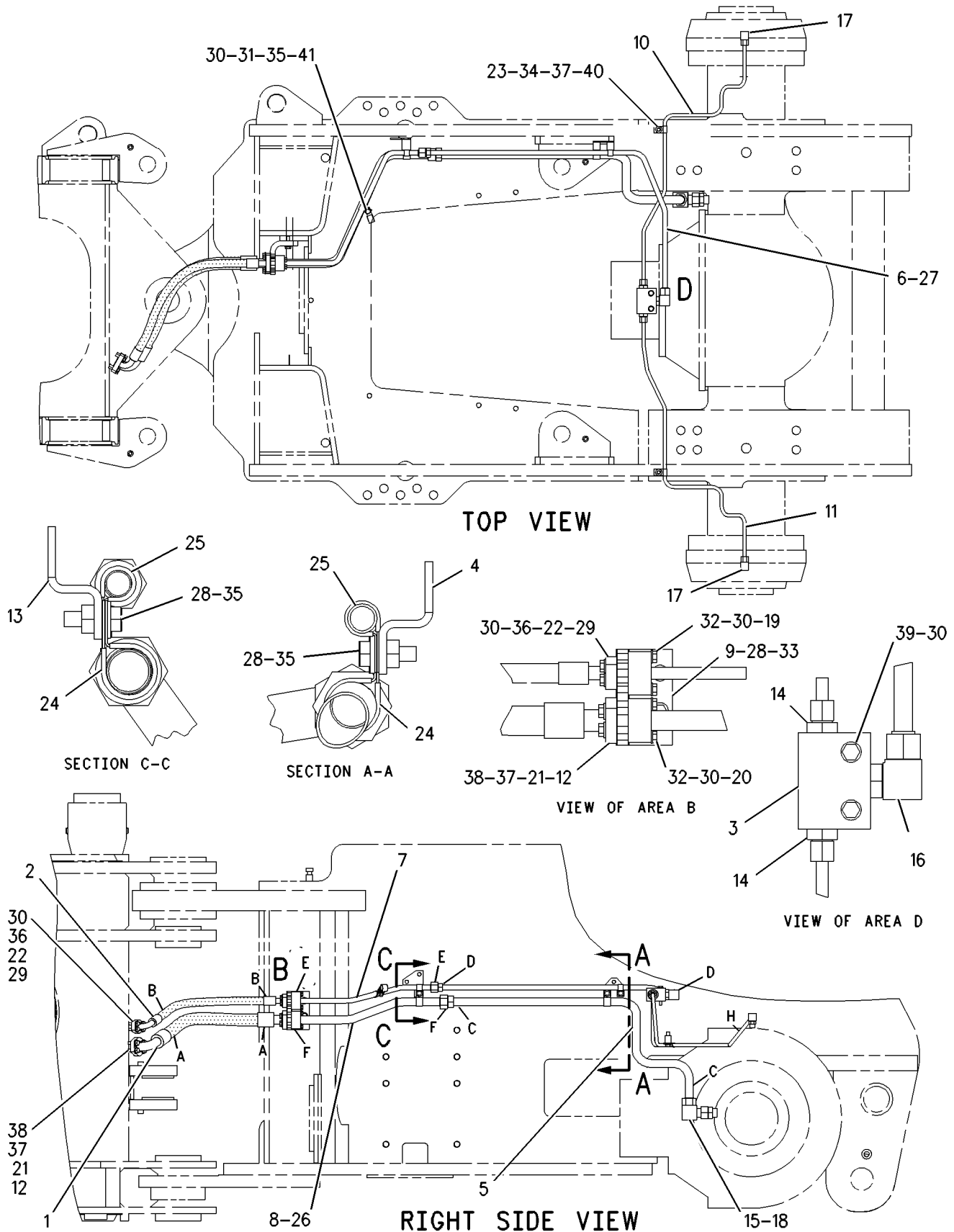
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
M	38	1	8T-4956	8	BOLT (M12X1.75X35MM)	
M	39	1	8T-5005	2	BOLT (M10X1.50X70MM)	
	40	1	9R-2216	2	BOSS	
	41	1	9X-8250	1	CLIP (23.8MM ID)	

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

POWER TRAIN

160-3955 LINES GP-AXLE OIL COOLER (contd.)

i01099093



GRAPHIC #1

g00595194

MEMORANDA

POWER TRAIN

201-2458 LINES GP-POWER TRAIN OIL

S/N: BPC1-UP

PART OF 203-1583 HYDRAULIC AR

SMCS-3016

i01628766

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	1N-4296	1	PROTECTION GP-VANDALISM						696
	2	2	4H-6112	1	BREATHER						
	3	1	5P-1291	1	HOSE						
	4	1	5P-0597	2	CLAMP-HOSE						
	5	2	6S-6251	6	MOUNT						
	6	2	6V-0852	3	CAP-DUST						
	7	1	7S-1801	1	ANCHOR-CHAIN						
	8	2	7W-2124	1	BRACKET						
	9	2	8C-3446	1	VALVE GP-FLUID SAMPLING						
	10	2	8C-3447	1	CAP-DUST						
	11	2	8C-6712	1	ELBOW						
	12	2	8C-8533	1	CLIP						
Y	13	1	8E-8427	1	VALVE GP-TORQUE CONV PRIORITY						363
Y	14	2	104-5013	1	VALVE GP-RELIEF (TORQUE CONVERTER OUTLET)						359
I	15	1	135-7052	1	HOSE AS						
I	16	1	135-7053	1	HOSE AS						
	17	1	136-6001	1	TUBE AS						
	18	2	150-3065	1	ADAPTER AS						
		2	6V-0484	1	ADAPTER-O-RING						
		2	3J-1907	1	SEAL-O-RING						
	19	1	157-6138	1	TUBE AS						
	20	2	159-7630	1	JUNCTION BLOCK						
	21	1	164-6421	1	TUBE						
Y	22	2	164-6884	1	GAUGE GP-LIQUID LEVEL (POWER TRAIN OIL)						269
I	23	1	164-9422	1	HOSE AS						
	24	1	164-9630	1	BRACKET						
	25	2	165-0373	1	BRACKET						
Y	26	2	170-3843	1	FILTER GP-OIL (POWER TRAIN)						266
	27	2	176-7677	1	BRACKET AS						
	28	2	180-9595	1	BRACKET AS						
I	29	1	187-0600	1	HOSE AS						
I	30	1	189-0416	1	HOSE AS						
I	31	1	189-0418	1	HOSE AS						
I	32	1	194-2905	1	HOSE AS						
I	33	2	194-2906	1	HOSE AS						
I	34	1	194-2907	1	HOSE AS						
	35	1	194-2909	1	HOSE AS						
Y	36	2	195-5979	1	PUMP GP-TRANSMISSION						304
	37	2	198-6536	1	BRACKET AS						
I	38	2	199-1507	1	HOSE AS						
I	39	1	199-1508	1	HOSE AS						
I	40	2	199-1509	1	HOSE AS						
	41	2	148-8327	1	CONNECTOR GP						
					(EACH INCLUDES)						
		2	6V-8637	1	CONNECTOR-SEAL						
		2	3D-2824	1	SEAL-O-RING						
		2	6V-9746	1	SEAL-O-RING						
42		1	148-8336	1	CONNECTOR GP						
		1	6V-8636	1	CONNECTOR						
		1	3J-1907	1	SEAL-O-RING						
		1	6V-8397	1	SEAL-O-RING						
43		2	148-8347	1	ELBOW GP						
		2	6V-9007	1	ELBOW						
		2	3D-2824	1	SEAL-O-RING						
		2	6V-9746	1	SEAL-O-RING						
44		2	148-8353	1	ELBOW GP						

POWER TRAIN

201-2458 LINES GP - POWER TRAIN OIL (contd.)

i01628766

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
		2	6V-9001	1	ELBOW	
		2	3J-1907	1	SEAL-O-RING	
		2	6V-8397	1	SEAL-O-RING	
	45	1,2	173-1437	12	FLANGE-HALF	
	46	2	1P-3705	2	SEAL-RECTANGULAR	
	47	1,2	1P-4579	14	FLANGE-HALF	
	48	1	1P-4582	2	FLANGE-HALF	
	49	2	1P-4584	2	FLANGE-HALF	
	50	1	2T-2305	1	ELBOW	
	51	2	9X-2289	1	TEE-SWIVEL	
	52	2	3J-1907	4	SEAL-O-RING	
	53	2	3J-7354	1	SEAL-O-RING	
	54	2	3K-0360	1	SEAL-O-RING	
	55	1,2	4J-0522	10	SEAL-O-RING	
	56	1,2	4J-0524	8	SEAL-O-RING	
	57	1	4J-0527	1	SEAL-O-RING	
	58	2	4S-1962	1	CLIP	
	59	1	5P-7464	1	CLIP (SLOT)	
	60	1	5P-7465	1	CLIP (TAB)	
	61	1	5P-7468	1	CLIP (SLOT)	
	62	1	5P-7469	1	CLIP (TAB)	
	63	2	5P-7470	6	CLIP (SLOT)	
	64	2	5P-7471	6	CLIP (TAB)	
	65	2	5P-8182	6	GROMMET	
	66	1	5P-8245	1	WASHER-HARD (13.5X25.5X3MM THK)	
	67	1	5P-8444	1	GROMMET	
	68	2	6G-6463	2	ADAPTER	
	69	2	6J-2680	1	SEAL-O-RING	
	70	2	3V-3965	3	FITTING AS	
	71	1,2	6V-8397	4	SEAL-O-RING	
	72	2	6V-9746	1	SEAL-O-RING	
	73	2	7K-1401	1	CLIP	
	74	2	7K-1402	1	BRACKET	
	75	2	7X-0590	8	WASHER-HARD (13.5X44.5X6MM THK)	
M	76	1	7X-2549	4	BOLT (M12X1.75X100MM)	
	77	2	8M-4443	1	SEAL-O-RING	
	78	1	8M-4986	1	SEAL-O-RING	
	79	1	8M-5127	1	SEAL-O-RING	
	80	2	8M-8157	1	SEAL-O-RING	
	81	2	8T-0076	1	CONNECTOR	
	82	2	8T-4121	6	WASHER-HARD (11X21X2.5MM THK)	
M	83	1,2	8T-4133	3	NUT (M10X1.5 THD)	
M	84	2	8T-4136	3	BOLT (M10X1.5X25MM)	
M	85	2	8T-4178	3	BOLT (M10X1.5X90MM)	
M	86	1,2	8T-4179	3	BOLT (M12X1.75X20MM)	
M	87	1,2	8T-4183	53	BOLT (M12X1.75X40MM)	
M	88	1,2	8T-4192	2	BOLT (M12X1.75X25MM)	
M	89	1,2	8T-4196	2	BOLT (M10X1.5X35MM)	
	90	1,2	8T-4223	94	WASHER-HARD (13.5X25.5X3MM THK)	
M	91	2	8T-4244	5	NUT (M12X1.75 THD)	
M	92	2	8T-4648	12	BOLT (M12X1.75X70MM)	
M	93	2	8T-4910	7	BOLT (M12X1.75X60MM)	
M	94	2	8T-4956	4	BOLT (M12X1.75X35MM)	
M	95	2	8T-6868	4	BOLT (M12X1.75X80MM)	
	96	1	9S-1366	1	BOLT (1/2-13X2.5 IN)	

I-SEE HOSE FABRICATION GUIDE

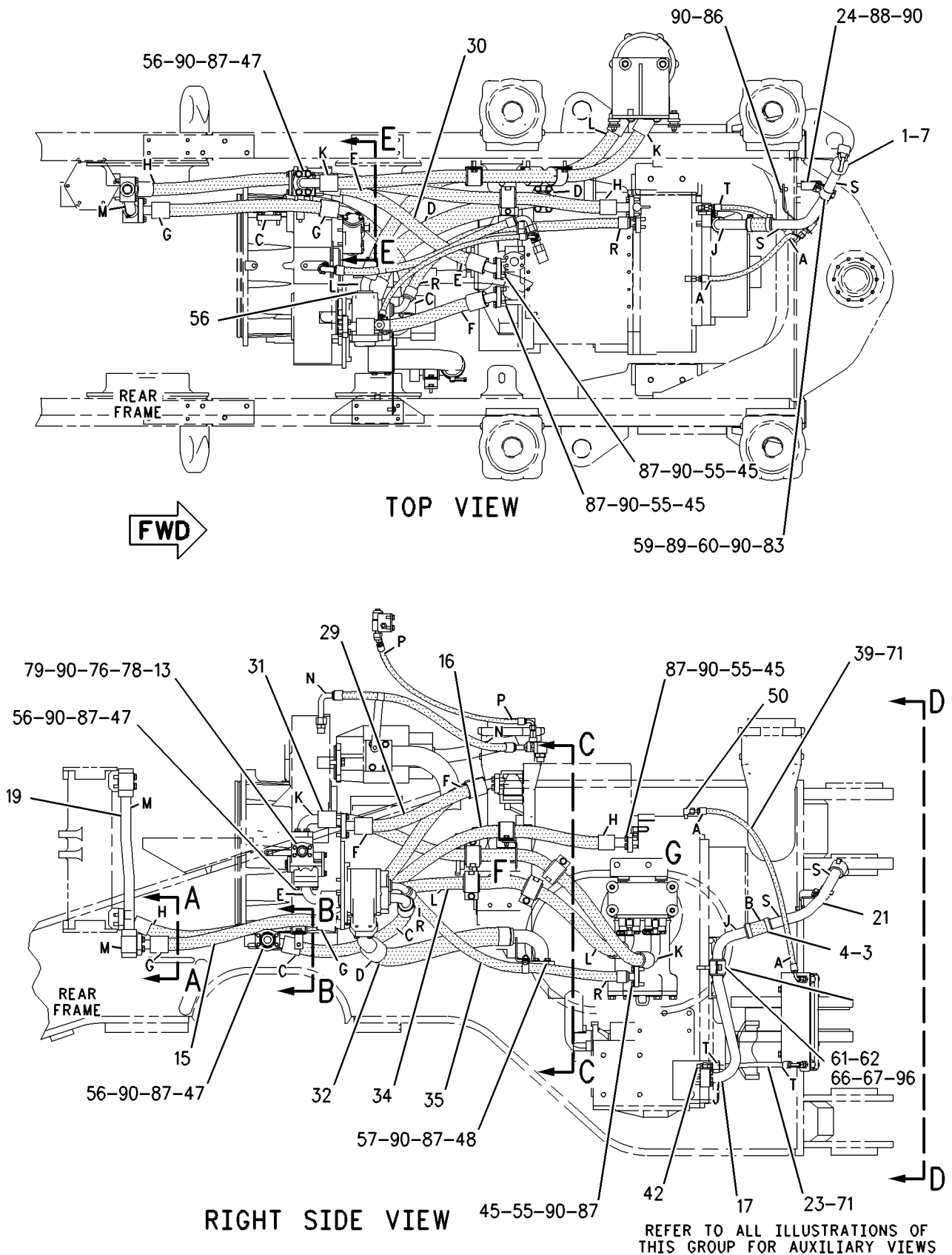
M-METRIC PART

Y-SEPARATE ILLUSTRATION

POWER TRAIN

201-2458 LINES GP-POWER TRAIN OIL (contd.)

101628766



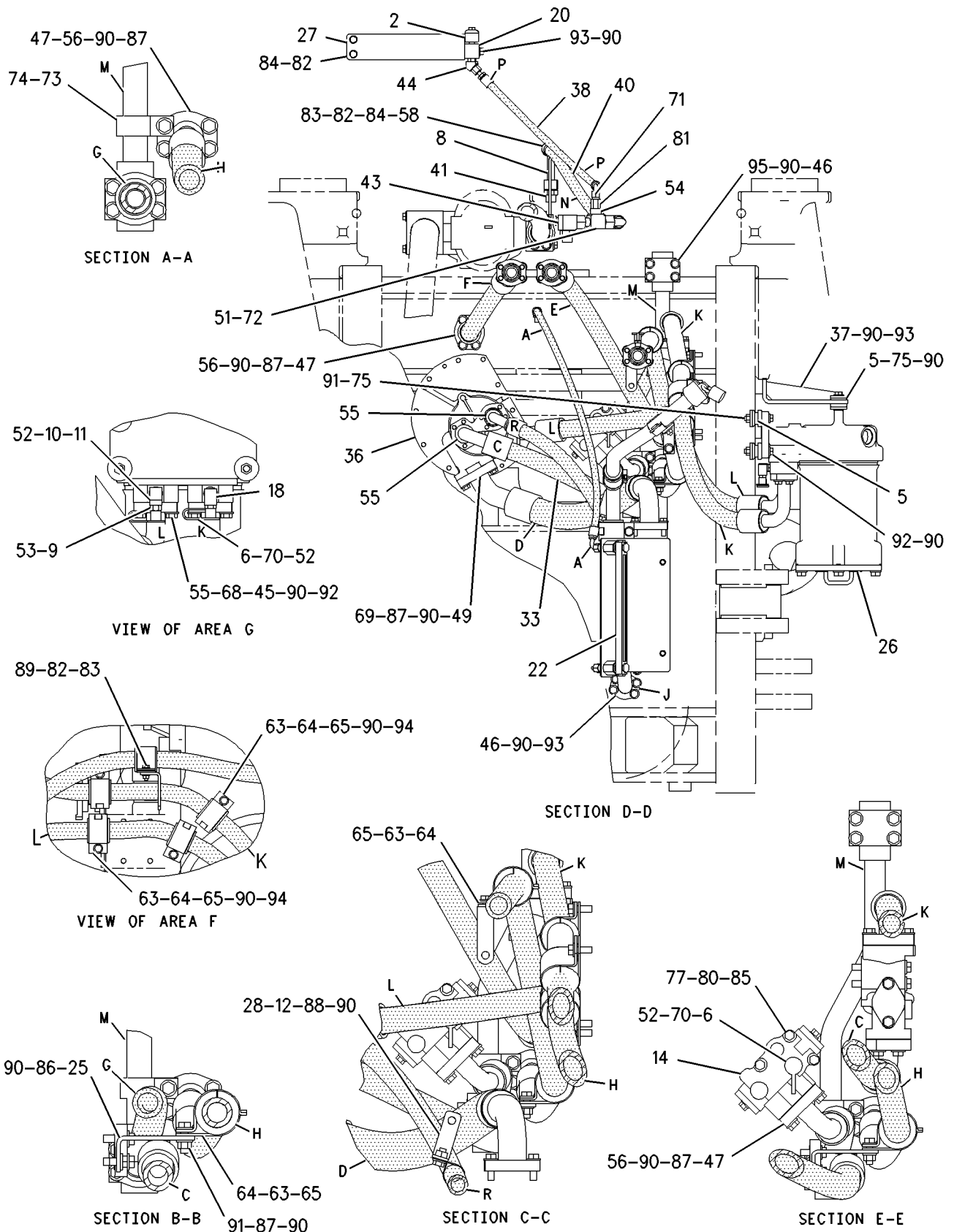
GRAPHIC #1

g00842694

POWER TRAIN

201-2458 LINES GP-POWER TRAIN OIL (contd.)

i01628766



GRAPHIC #2

g00842695

POWER TRAIN

187-0738 LOCK GP-STIC CONTROL

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-3034

i01491554

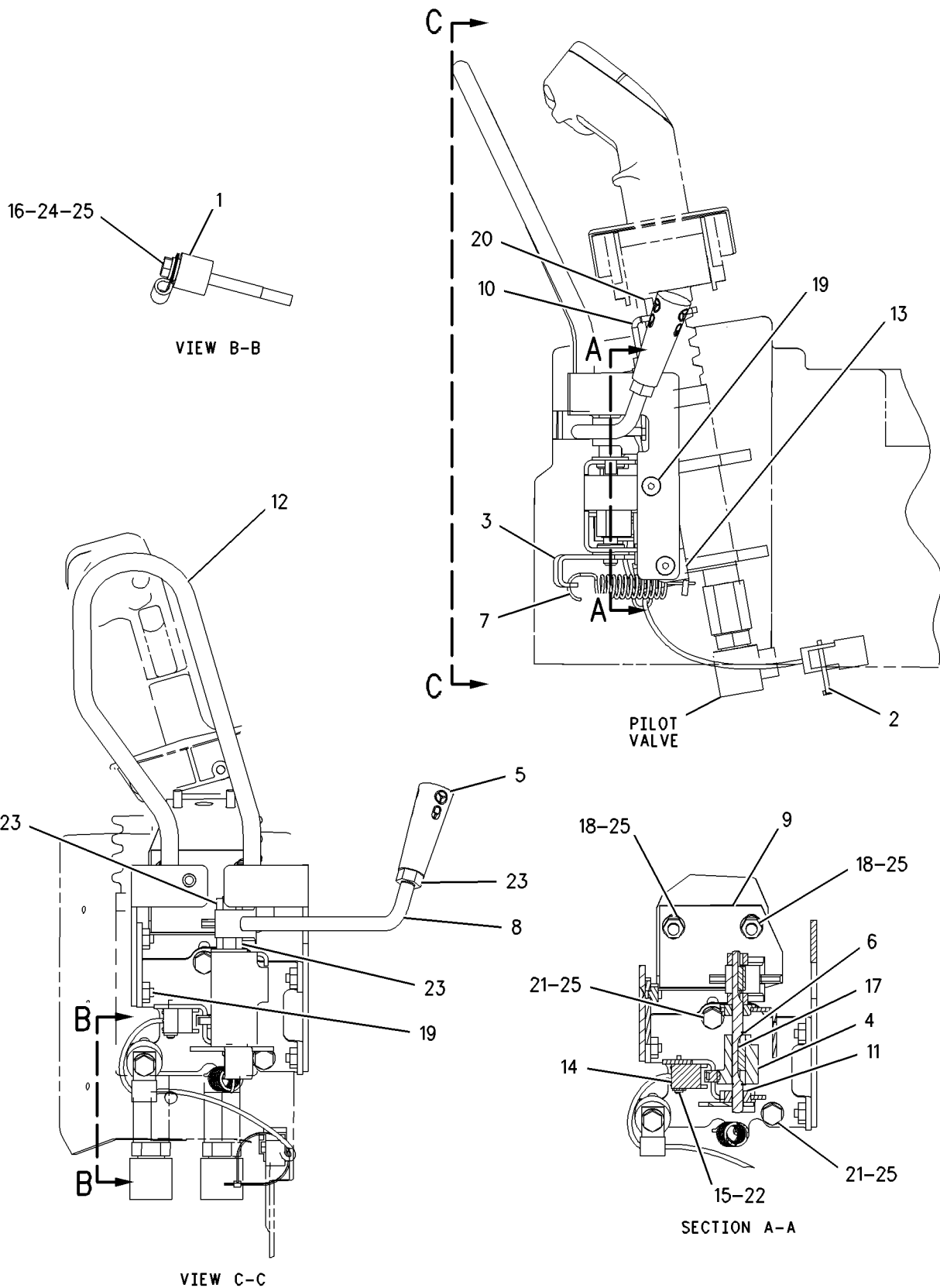
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2V-4387	1	SPACER (.406X1X.91 IN THK)						
	2	1	3S-2093	1	STRAP-CABLE						
	3	1	4E-8557	1	SHAFT AS						
	4	1	4E-8561	1	CAM						
	5	1	188-2048	1	KNOB						
	6	1	6L-8598	2	RING-RETAINING						
	7	1	8C-3442	1	SPRING-COIL						
	8	1	144-7766	1	LEVER AS-STIC STEER LOCK						
	9	1	145-8951	1	PLATE AS						
	10	1	145-8952	1	PLATE AS						
M		1	3E-6908	2	STUD-WELD (M8X1.25X20MM)						
	11	1	151-6427	2	BEARING						
	12	1	190-4764	1	GUARD AS						
M		1	6V-9632	1	NUT-WELD (M6X1 THD)						
	13	1	204-3611	1	PLATE AS						
M		1	6V-9632	4	NUT-WELD (M6X1 THD)						
	14	1	171-3759	1	SWITCH AS-LIMIT (STIC CONTROL LOCK)						
		1	102-8804	1	KIT-RECEPTACLE (4 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
		1	9G-3695	1	PLUG (GROMMET SEALING)						
		1	9X-3401	3	PIN-CONNECTOR						
BD		1	6V-1614		TUBE-SHRINKABLE						
BD		1	5P-5677		WIRE (18 GA)						
BE		1	9X-1386		SLEEVE						
BE		1	125-7874		TUBE-SHRINKABLE						
		1	126-1767	1	CONNECTOR-PIN						
	15	1	1P-7326	2	WASHER						
	16	1	4D-7794	1	CLIP						
	17	1	4E-8560	2	KEY-SQUARE						
M	18	1	5C-7261	2	NUT (M8X1.25 THD)						
M	19	1	5C-7423	4	SCREW (M6X1X16MM)						
M	20	1	5C-9553	2	BOLT (M6X1X16MM)						
M	21	1	6V-5220	2	BOLT (M8X1.25X65MM)						
M	22	1	6V-9505	2	SCREW-MACHINE (M6X1X20MM)						
M	23	1	8T-4133	3	NUT (M10X1.5 THD)						
M	24	1	8T-4177	1	BOLT (M8X1.25X90MM)						
	25	1	8T-4224	6	WASHER-HARD (8.8X16X2MM THK)						

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
M-METRIC PART

POWER TRAIN

187-0738 LOCK GP-STIC CONTROL (contd.)

i01491554



GRAPHIC #1

g00774513

POWER TRAIN

144-7263 MOUNTING GP-RIM

S/N: BPC1-UP
PART OF 141-9811 RIM AR
AN ATTACHMENT

SMCS-4202, 4209

i00978696

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
M	6V-8132	32	BOLT (M24X3.0X120MM)						
	6V-8237	32	WASHER (4.0MM THK)						
M-METRIC PART									

POWER TRAIN

114-5147 MOUNTING GP-TORQUE CONVERTER

S/N: BPC1-UP

PART OF 139-5896 POWER TRAIN AR

SMCS-3101

i00946213

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
M	8T-0375	11	BOLT						
	9X-8257	11	WASHER (3.50MM THK)						
M-METRIC PART									

POWER TRAIN

137-6225 PLANETARY GP-TRANSMISSION

S/N: 3NY1-UP

PART OF 137-6229 TRANSMISSION AR

SMCS-3160

i01626946

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	9W-1572	1	SHAFT-TRANSMISSION INPUT	
	2	2	7G-2928	1	PLATE-RETAINER	
	3	2	0L-2315	1	BOLT (1/2-20X3.5 IN)	
	4	2	137-6224	1	SPACER	
	5	2	137-6223	1	CARRIER AS	
	5A	2	4S-8537	1	DOWEL	
	6	2	8T-1141	2	RING-RETAINING	
	7	1,2	6Y-3484	3	BALL BEARING	
	8	1,2	6V-0836	3	RING-RETAINING	
	9	2	6F-0156	1	RING-METAL SEAL	
	10	2	187-0844	1	HOUSING AS-CLUTCH (REVERSE)	
	10A	2	9S-1343	1	PLUG-CUP	
	11	2	3P-3321	2	SEAL-METAL RING	
	12	2	108-2736	2	LOCK RING	
	13	2	7G-4818	1	RING-SEAL	
	14	2	9W-7040	1	PISTON-CLUTCH	
	15	1,2	3P-2793	5	SEAL-RING	
	16	2	6T-3720	1	GEAR-RING	
	17	2	9F-3788	1	RING-METAL SEAL	
	18	2	106-7798	2	BALL BEARING	
	19	2	8S-9104	2	RING-RETAINING	
	20	2	8P-4617	1	SEAL-METAL RING	
	21	2	164-4891	1	PLATE AS	
	21A	2	2D-6642	2	BALL	
	21B	2	7M-8479	2	DOWEL	
C	22	2	7G-5746	1	HOUSING-CLUTCH (FORWARD LOW)	
	23	2	3P-3059	1	GEAR-SUN (42 TEETH)	
	24	2	9W-6098	1	PISTON-CLUTCH	
	25	2	7G-4817	1	RING-SEAL	
	26	1	3P-3098	1	GEAR-RING (90 TEETH)	
	27	2	8F-8544	2	BOLT (3/8-16X6.25IN)	
	28	2	5M-6187	1	RING-METAL SEAL	
	29	2	108-2735	1	LOCK RING	
	30	1	9M-4355	20	DAMPER-BOLT	
C	31	1	3P-3738	1	HOUSING AS-CLUTCH (FORWARD HIGH)	
	31A	1	7M-8480	4	DOWEL	
	32	1,2	3P-2685	3	PISTON-CLUTCH	
	33	1,2	3P-2794	3	SEAL-RING	
	34	2	9M-1503	1	RING-METAL SEAL	
	35	2	7G-6772	1	CARRIER AS	
	35A	2	2D-6642	2	BALL	
	36	1	3P-2791	1	HOUSING-CLUTCH (SECOND & THIRD SPEED)	
C	37	2	6P-5751	1	GEAR-RING (90 TEETH)	
	38	1	9W-2977	1	HUB AS	
	38A	1	4S-8537	1	DOWEL	
	39	1	133-2904	1	RING-RETAINING (89.5MM ID)	
	40	1	3P-3304	1	PLATE-RETAINER	
	41	1	9M-2095	1	RING-RETAINING	
	42	1	3P-3635	3	SPRING-DISC	
	43	1	160-0595	1	MANIFOLD AS	
	43A	1	3D-2824	2	SEAL-O-RING	
	43B	1	3F-3442	1	DOWEL	
	43D	1	6T-6052	1	PLUG-ORIFICE	
	43E	1	7M-8480	4	DOWEL	
	43G	1	9S-8008	2	PLUG-O-RING	
	44	1	0T-0065	20	BOLT (3/8-16X3.5 IN)	

POWER TRAIN

137-6225 PLANETARY GP-TRANSMISSION (contd.)

i01626946

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	45	1	5M-2894	20	WASHER-HARD (10.2X18.5X2.5MM THK)	
	46	1	6Y-5793	2	RING-SEAL	
	47	1	0S-1617	10	BOLT (5/16-18X0.75 IN)	
	48	1	136-4839	5	LOCK	
	49	1	136-4840	1	SLINGER	
	50	1	136-4841	1	GASKET	
	51	1	6J-6721	18	BOLT (1/2-13X19.25 IN)	
	52	1	5P-8245	20	WASHER-HARD (13.5X25.5X3MM THK)	
	53	1	3P-2761	1	HOUSING-CLUTCH (FIRST SPEED)	
	54	1	7G-0283	1	GEAR-RING (80 TEETH)	
	55	1	136-4838	1	CARRIER-PLANETARY	
	56	1	3P-3060	1	GEAR-SUN (50 TEETH)	
	57	1	1N-5410	1	RING-RETAINING	
	58	1	3P-3735	1	HOUSING AS-CARRIER	
	58A	1	4S-8537	1	DOWEL	
	58B	1	6B-6863	1	PIN-SPRING	
	58C	1	6P-7705	1	CARRIER-RING	
	59	1	5J-5794	2	BOLT (1/2-13X3.5IN)	
	60	1	8S-6212	2	BOLT (1/2-13X13 IN)	
	61	2	164-5079	1	SHAFT AS-OUTPUT	
	61A	2	3P-3103	1	CARRIER-RING	
	61B	2	5P-0403	1	BEARING-ROLLER	
	62	1	3P-4050	1	SPACER (0.125 IN THK)	
	63	1	3P-3743	1	RING-RETAINING	
	64	2	1P-0014	1	LOCK RING	
	65	1	3P-3242	5	SHAFT-PLANETARY	
	66	1	5M-2054	10	BEARING	
	67	1,2	8E-8304	18	DISC-THRUST	
	68	1	7G-2486	5	GEAR-PLANETARY (20 TEETH)	
	69	1,2	3S-2708	13	PIN-SPRING	
	70	1	1S-9989	6	DOWEL-REACTION	
	71	1,2	9H-5537	36	SPRING	
	72	1	1P-9261	1	SEAL-RING	
	73	1	3P-2768	1	PISTON-CLUTCH	
	74	1	3P-2792	1	SEAL-RING	
	75	1	7F-2122	2	SEAL-O-RING	
	76	1	2D-8363	1	SEAL-O-RING	
R	77	1	3P-7489	4	PLATE-CLUTCH	
	78	1	6I-9255	5	DISC-FRICTION	
	79	1	6P-7379	1	HOUSING AS	
	79A	1	8B-1312	3	DOWEL	
	80	1	9W-8298	6	DOWEL	
	81	1,2	169-7055	8	DISC-CLUTCH	
R	82	1,2	3P-7447	13	PLATE-CLUTCH	
	83	2	7G-2476	4	GEAR-PLANET (20 TEETH)	
	84	2	5M-6126	4	BEARING	
	85	2	6P-6739	4	SHAFT-PLANETARY	
	86	2	9P-5531	1	GEAR-SUN (50 TEETH)	
	87	2	6S-1753	1	RING-RETAINING	
	88	2	9W-1579	1	SPACER	
	89	2	112-7309	4	SHAFT-PLANETARY	
	90	2	112-4511	4	PIN-SPRING	
	91	2	8E-8310	16	DISC-THRUST	
	92	2	5M-7925	8	BEARING-ROLLER	
	93	2	7G-3457	8	GEAR (25 TEETH)	
	94	2	3T-7138	1	GEAR-RING (80 TEETH)	
	95	2	112-7308	1	CARRIER-PLANETARY	
	96	2	9W-9856	10	DISC AS-FRICTION	
	97	2	8P-8406	12	ROD	

POWER TRAIN

137-6225 PLANETARY GP-TRANSMISSION (contd.)

i01626946

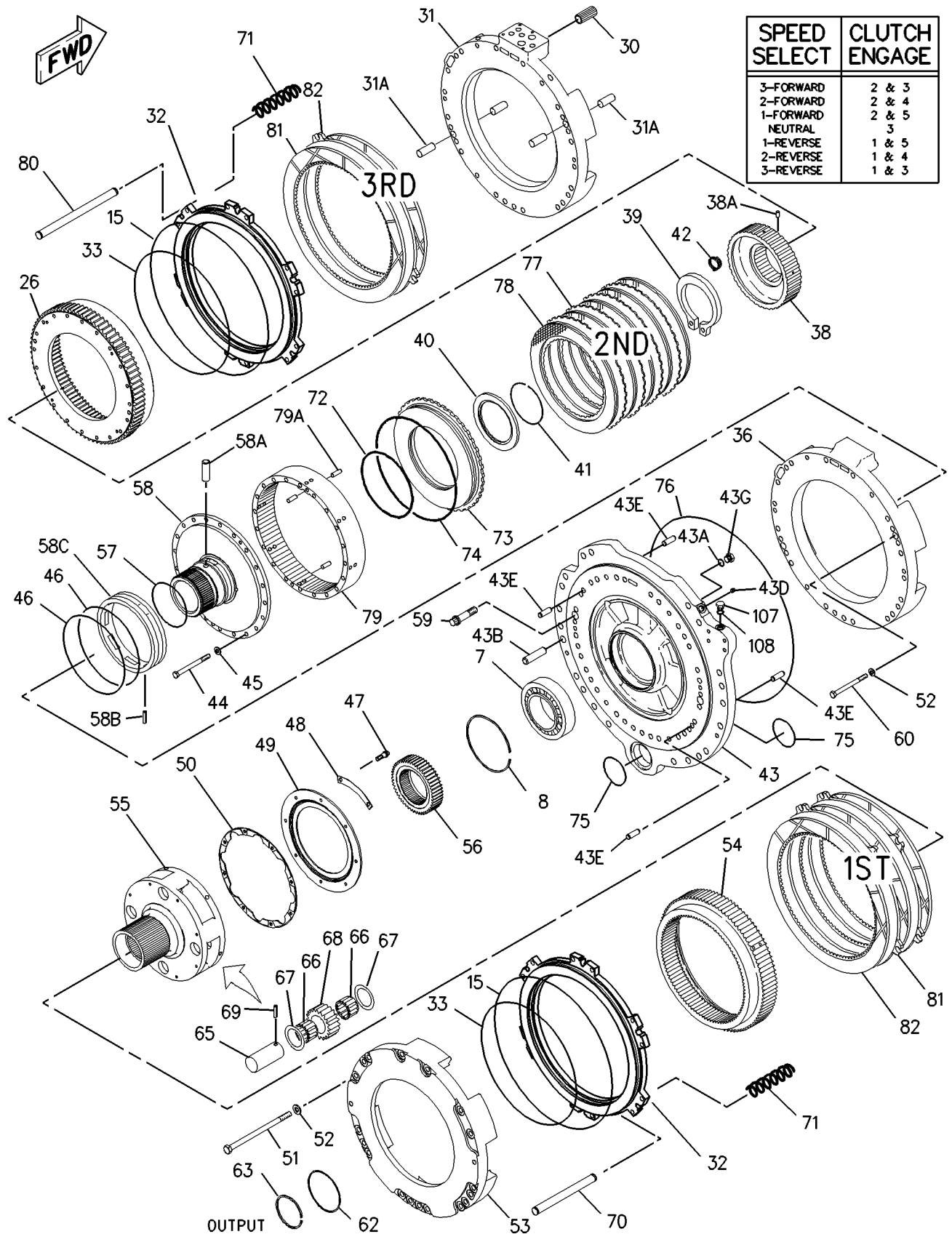
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	98	2	3P-4610	12	SPRING	
	99	2	9W-8297	6	DOWEL	
	100	2	8E-4088	1	GEAR-RING (87 TEETH)	
	101	2	6Y-8205	4	GEAR-PLANET (29 TEETH)	
	102	2	1P-3958	4	ROLLER AS-SPECIAL	
	103	2	8E-8316	8	DISC-THRUST	
	104	2	3P-3246	4	SHAFT-PLANETARY	
	105	2	8M-4390	2	SEAL-O-RING	
	106	2	8E-4086	1	GEAR-SUN (29 TEETH)	
	107	1	9S-4191	1	PLUG-STRAIGHT THREAD	
	108	1	3J-1907	1	SEAL-O-RING	

C- CHANGE FROM PREVIOUS TYPE
R- REMFG PART MAY BE AVAILABLE

POWER TRAIN

137-6225 PLANETARY GP-TRANSMISSION (contd.)

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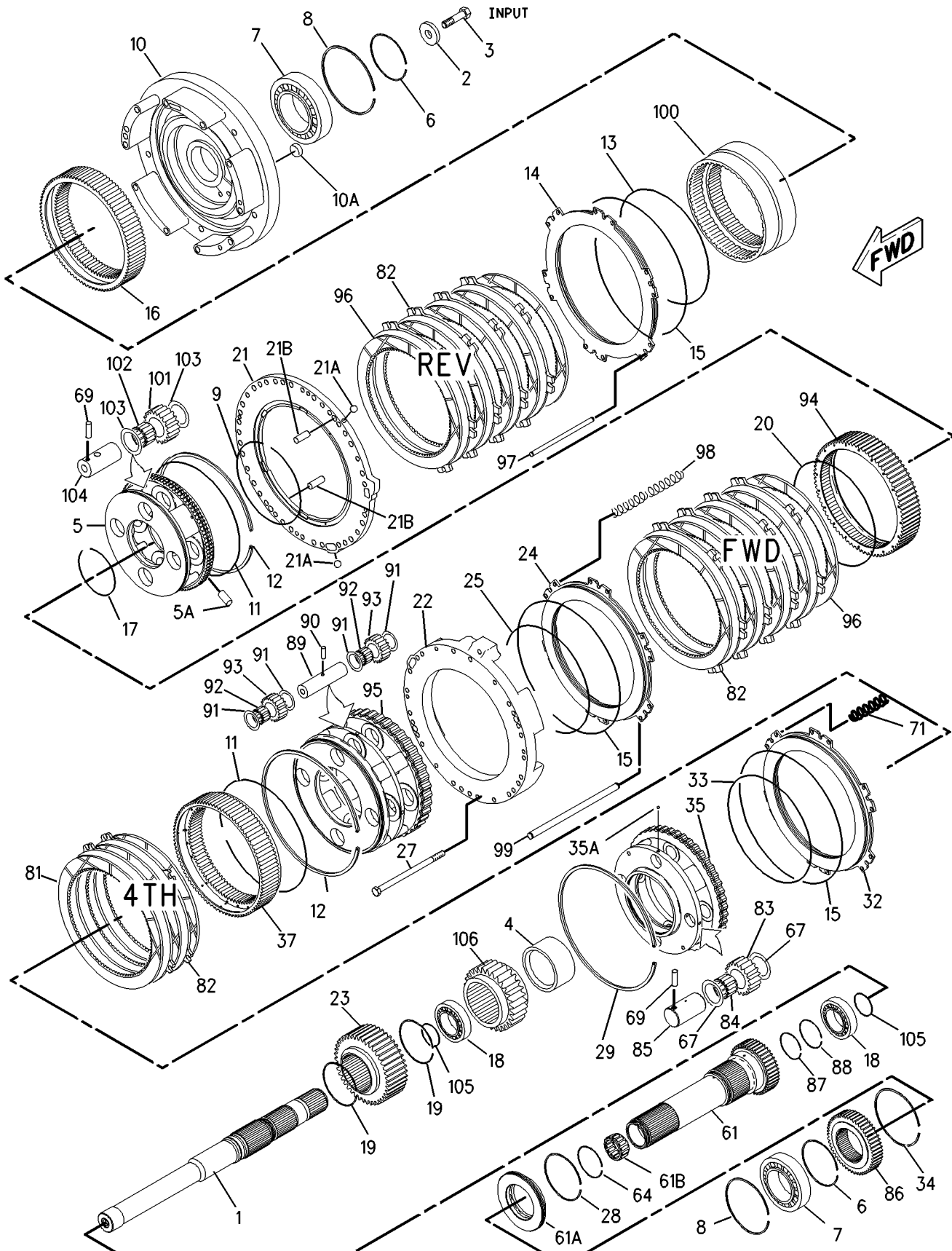
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g00842772

POWER TRAIN

137-6225 PLANETARY GP - TRANSMISSION (contd.)

i01626946



GRAPHIC #2

g00842773

POWER TRAIN

139-5896 POWER TRAIN AR

S/N: BPC1-UP

PART OF 203-1565 COMMON AR

SMCS-3000

i01562975

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	137-8833	1	AXLE AR-FIXED						234
Y	137-8832	1	AXLE AR-OSCILLATING						235
Y	174-1552	1	BRAKE GP-PARKING						438
Y	137-8865	1	FASTENER GP-AXLE MOUNTING						264
Y	193-8225	1	LINES GP-VENT						79
Y	114-5147	1	MOUNTING GP-TORQUE CONVERTER						295
Y	136-1722	1	SHAFT GP-DRIVE						308
Y	136-1754	1	SHAFT GP-INPUT DRIVE						310
Y	145-7109	1	TORQUE CONVERTER & HOUSING GP (LOCKUP)						346
Y	137-6229	1	TRANSMISSION AR						352

Y-SEPARATE ILLUSTRATION

POWER TRAIN

193-0980 PUMP GP-TRANSMISSION

S/N: BPC1-UP

PART OF 195-5979 PUMP GP-TRANSMISSION

SMCS-3066

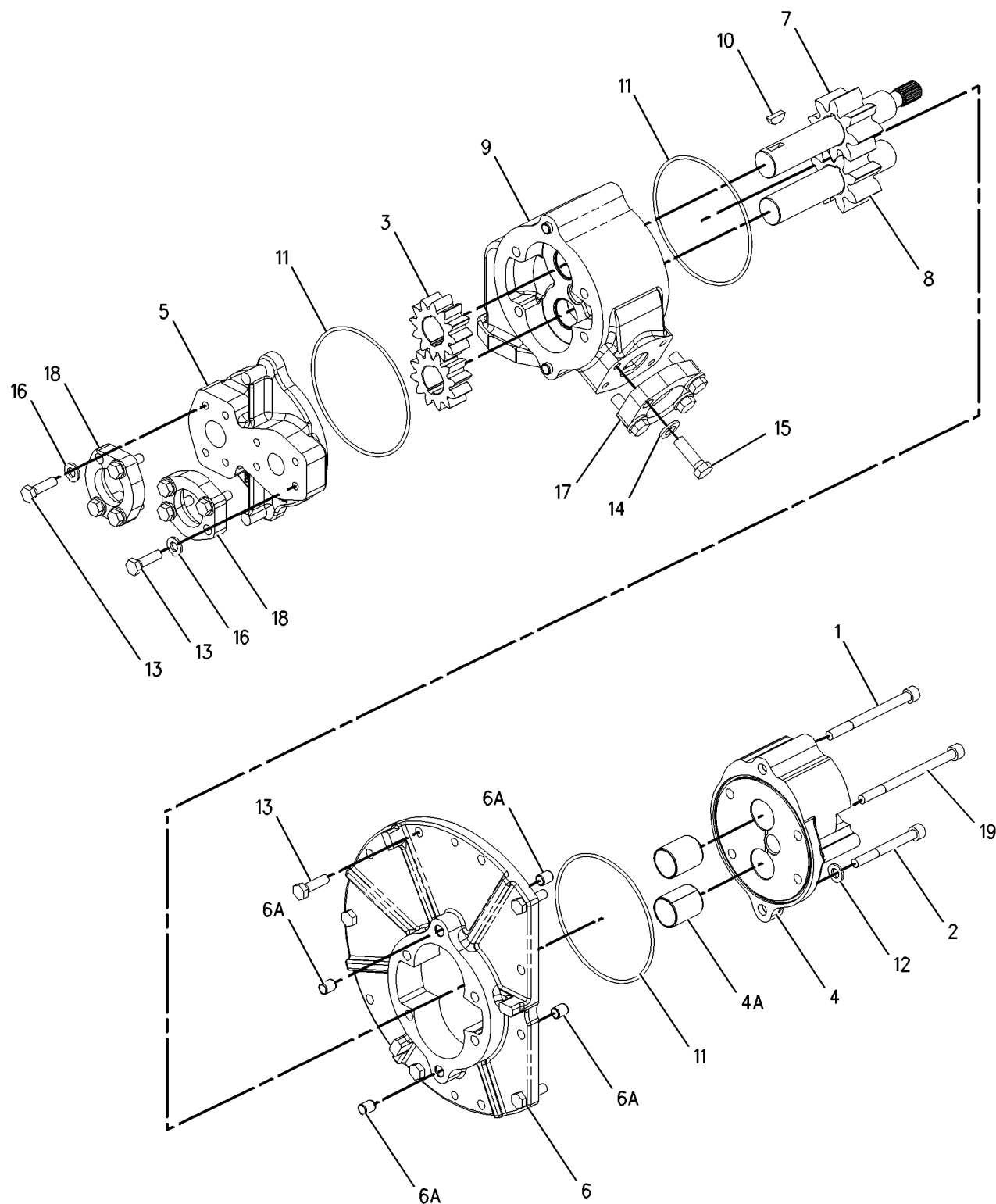
i01439819

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	096-1331	1	BOLT-SOCKET HEAD (M10X1.5X120MM)						
M	2	1	9X-2158	1	BOLT-HEX SOCKET (M10X1.5X90MM)						
	3	1	3P-0747	2	GEAR (12 TEETH)						
	4	1	134-5623	1	COVER AS						
	4A	1	1M-3909	2	BEARING-SLEEVE						
	5	1	193-9179	1	MANIFOLD-OIL PUMP						
	6	1	194-6626	1	BODY AS-OIL PUMP						
	6A	1	8M-8489	4	DOWEL						
	7	1	195-5981	1	GEAR AS (8 TEETH)						
	8	1	195-5985	1	GEAR AS (8 TEETH)						
	9	1	195-5988	1	BODY AS						
	10	1	1B-8736	1	KEY-WOODRUFF						
	11	1	2D-8009	3	SEAL-O-RING						
	12	1	6V-5839	1	WASHER (11X21X2.5MM THK)						
M	13	1	8T-4196	13	BOLT (M10X1.5X35MM)						
	14	1	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)						
M	15	1	8T-4183	4	BOLT (M12X1.75X40 MM)						
	16	1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)						
	17	1	1P-4579	2	FLANGE-HALF						
	18	1	1P-4578	4	FLANGE-HALF						
M	19	1	183-8004	4	BOLT-SOCKET HEAD						
M-METRIC PART											

POWER TRAIN

193-0980 PUMP GP - TRANSMISSION (contd.)

i01439819



GRAPHIC #1

g00755405

POWER TRAIN

195-5979 PUMP GP-TRANSMISSION

S/N: BPC1-UP

PART OF 201-2458 LINES GP-POWER TRAIN OIL

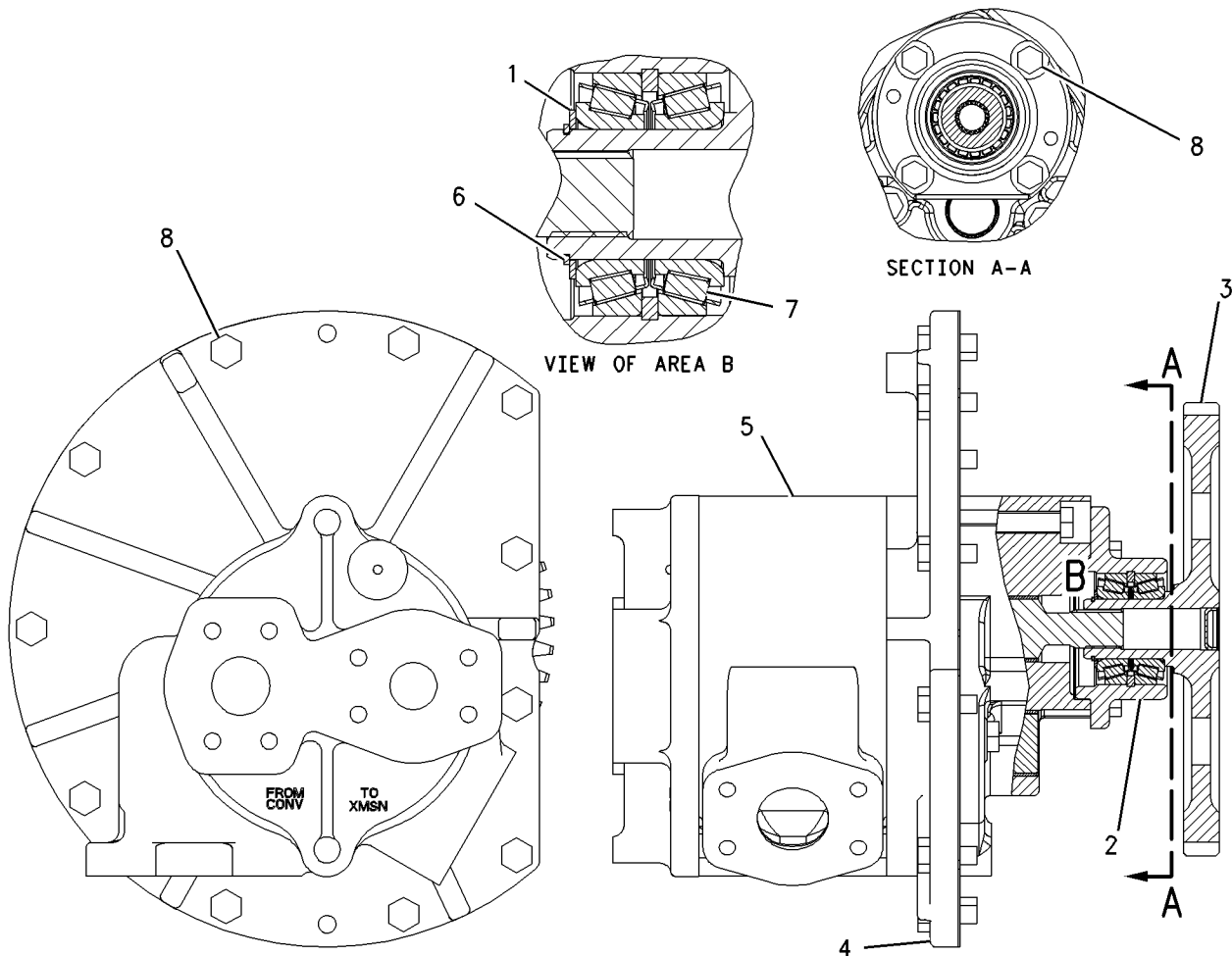
SMCS-3066

i01463110

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8P-8701	1	WASHER-THRUST						
	2	1	134-5628	1	CAGE-BEARING						
	3	1	135-1844	1	GEAR AS						
		1	4N-0952	1	PLUG-CUP						
	4	1	135-1845	1	GASKET						
Y	5	1	193-0980	1	PUMP GP-TRANSMISSION						302
	6	1	2M-4287	1	RING-SNAP						
	7	1	5P-7068	1	BEARING AS-ROLLER						
M	8	1	6V-4248	15	BOLT (M10X1.50X25MM)						

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00765823

POWER TRAIN

141-9811 RIM AR

S/N: BPC1-UP

28.00X33

PART OF 145-0403, 145-0407, 145-0409, 145-0410, 145-0412, 145-0414, 145-0415,
145-0421, 152-6687, 152-6690, 152-6693, 152-6709, 152-6710, 152-6714, 152-6717,
160-7277, 168-8740, 170-1107, 172-5554, 194-4133, 194-4136, 194-4186, 199-3722,
200-5156, 200-5165, 200-5169, 200-5170, 200-5171, 200-5172, 200-5174, 200-7949,
203-6992, 204-3547 TIRE & RIM AR

FOR USE WITH 35/65-33 TIRES
AN ATTACHMENT

SMCS-4209

i00978692

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	144-7263	1	MOUNTING GP-RIM						294
Y	141-9809	4	RIM GP-DEMOUNTABLE						306
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

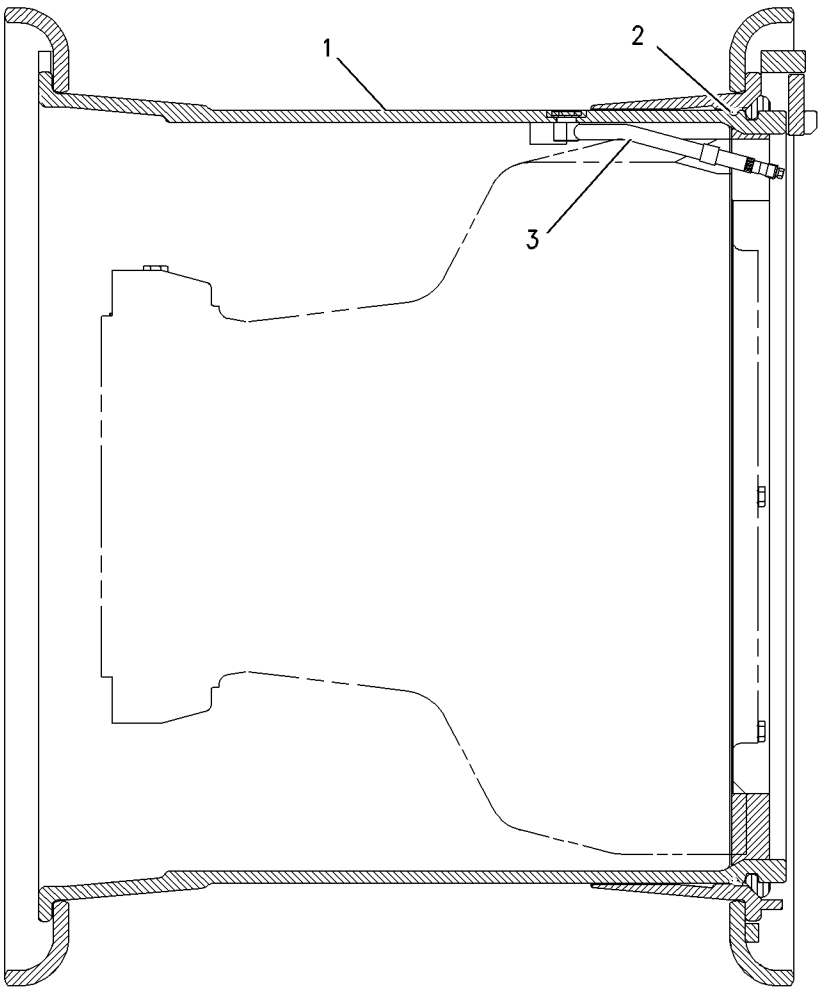
141-9809 RIM GP-DEMOUNTABLE

S/N: BPC1-UP
(28.00 X 33)
PART OF 141-9811 RIM AR
AN ATTACHMENT

SMCS-4209

i01416794

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	194-9367	1	RIM GP-DEMOUNTABLE	307
	2	1	1J-4246	1	SEAL-O-RING	
	3	1	144-0290	1	VALVE AS	
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

g00744468

POWER TRAIN

194-9367 RIM GP-DEMOUNTABLE

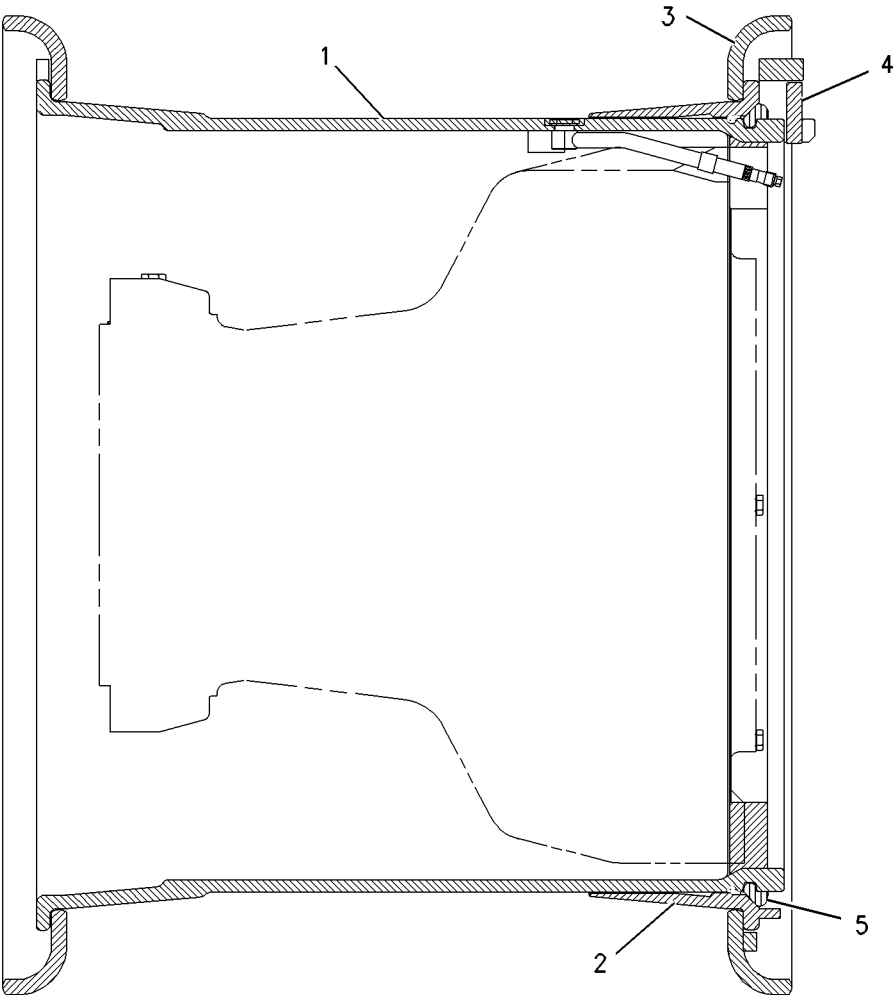
S/N: BPC1-UP

PART OF 141-9809 RIM GP-DEMOUNTABLE
AN ATTACHMENT

SMCS-4209

i01416819

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	141-9808	1	RIM AS						
	2	1	144-5385	1	BAND-BEAD SEAT						
	3	1	144-5386	2	FLANGE						
	4	1	133-5209	1	DRIVER						
	5	1	8X-4086	1	LOCK RING						



GRAPHIC #1

g00744475

POWER TRAIN

136-1722 SHAFT GP-DRIVE

S/N: BPC1-UP

PART OF 139-5896 POWER TRAIN AR

SMCS-3253

i01478798

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2D-8540	2	SEAL-LIP						
	2	1	3B-8489	1	FITTING-GREASE						
	3	1	3K-9608	1	GUARD-DIRT						
	4	1	5K-3968	1	RETAINER-BEARING						
Y	5	1	136-1747	1	UNIVERSAL JOINT GP						353
Y	6	1	136-1749	1	UNIVERSAL JOINT GP						354
	7	1	176-7289	1	YOKE AS						
	7A	1	9U-3928	1	GUARD						
	8	1	136-1753	1	CAGE-BEARING						
Y	9	1	201-7245	1	SLIP JOINT GP						311
	10	1	159-3945	1	BEARING						
	11	1	1H-8278	1	SEAL-O-RING						
	12	1	2H-3933	1	SEAL-O-RING						
	13	1	5P-8245	12	WASHER-HARD (13.5X25.5X3MM THK)						
M	14	1	6V-1820	2	BOLT (M10X1.50X30MM)						
	15	1	6V-5839	2	WASHER (11X21X2.5MM THK)						
M	16	1	6V-8149	6	NUT (M12X1.75 THD)						
M	17	1	112-3927	1	BOLT (M20X2.5X90MM)						
M	18	1	8T-0106	6	BOLT (M12X1.75X100MM)						
M	19	1	8T-0281	20	BOLT (M16X2X80MM)						
	20	1	8V-5386	1	RETAINER						

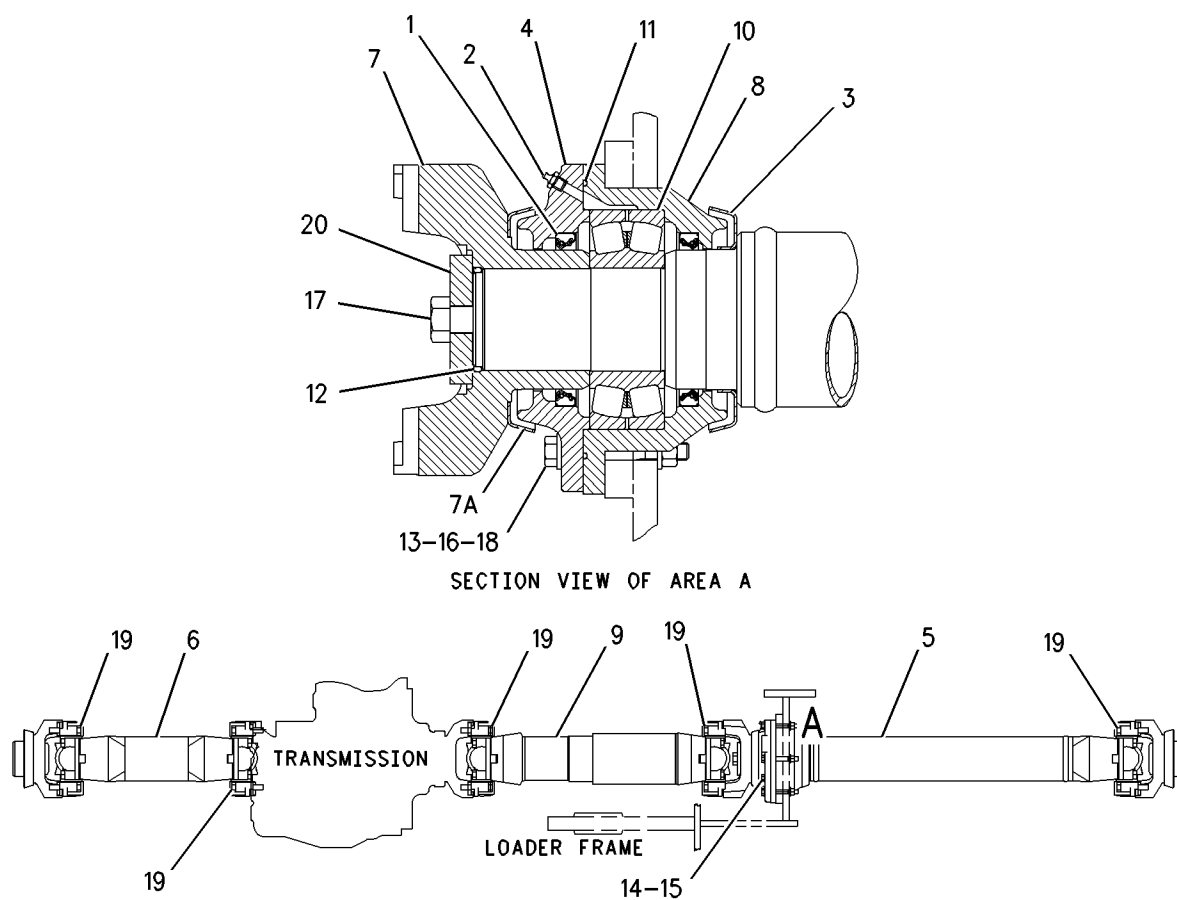
M-METRIC PART

Y-SEPARATE ILLUSTRATION

POWER TRAIN

136 - 1722 SHAFT GP - DRIVE (contd.)

i01478798



GRAPHIC #1

g00770091

POWER TRAIN

136-1754 SHAFT GP- INPUT DRIVE

S/N: BPC1-UP

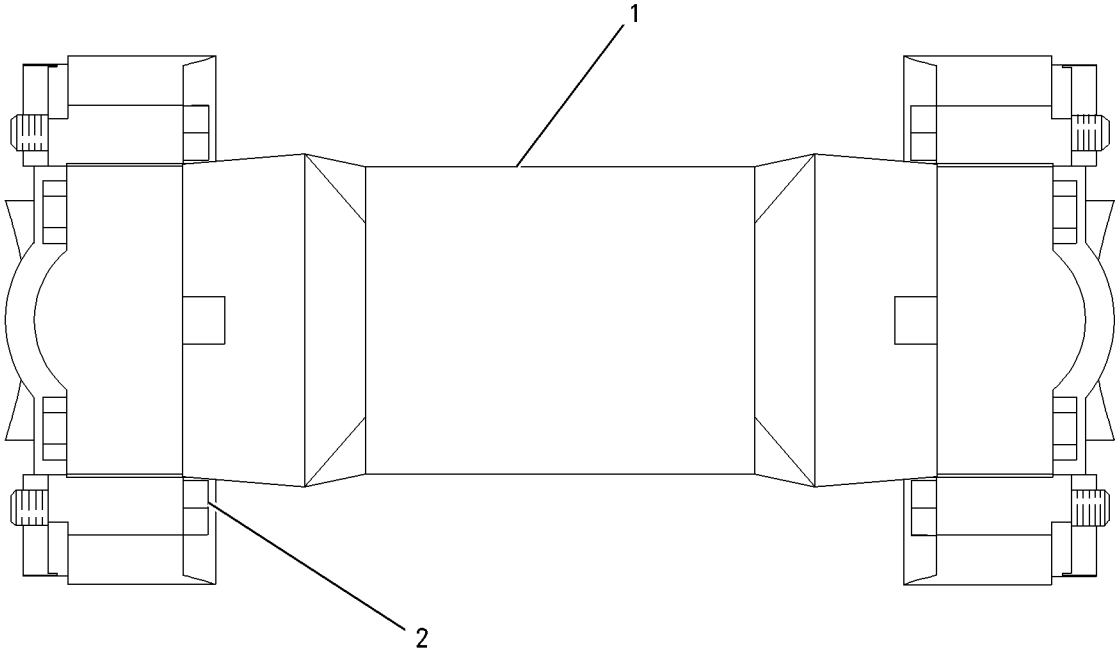
PART OF 139-5896 POWER TRAIN AR

SMCS-3253

i01626108

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	136-1755	1	UNIVERSAL JOINT GP (INPUT DRIVE SHAFT)						355
M	2	1	6V-3823	8	BOLT (M12X1.75X60MM)						

M- METRIC PART
Y- SEPARATE ILLUSTRATION



GRAPHIC #1

g00841994

POWER TRAIN

201-7245 SLIP JOINT GP

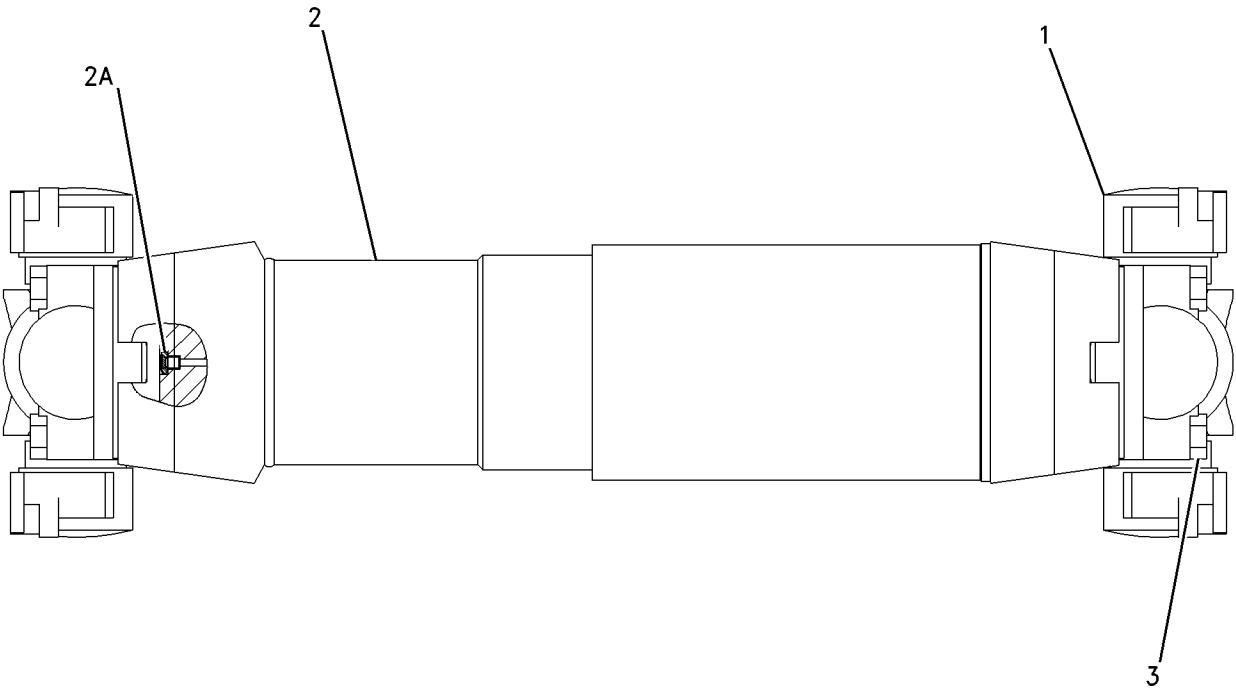
S/N: BPC1-UP

PART OF 136-1722 SHAFT GP-DRIVE

SMCS-3251

i01469231

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	106-0933	2	SPIDER & BEARING GP						
	2	1	201-7244	1	SHAFT AS						
	2A	1	8S-7374	1	FILTER-AIR						
M	3	1	8T-0281	8	BOLT (M16X2X80MM)						
M-METRIC PART											



GRAPHIC #1

g00767784

POWER TRAIN

114-5138 SUPPORT GP-TRANSMISSION

S/N: BPC1-UP

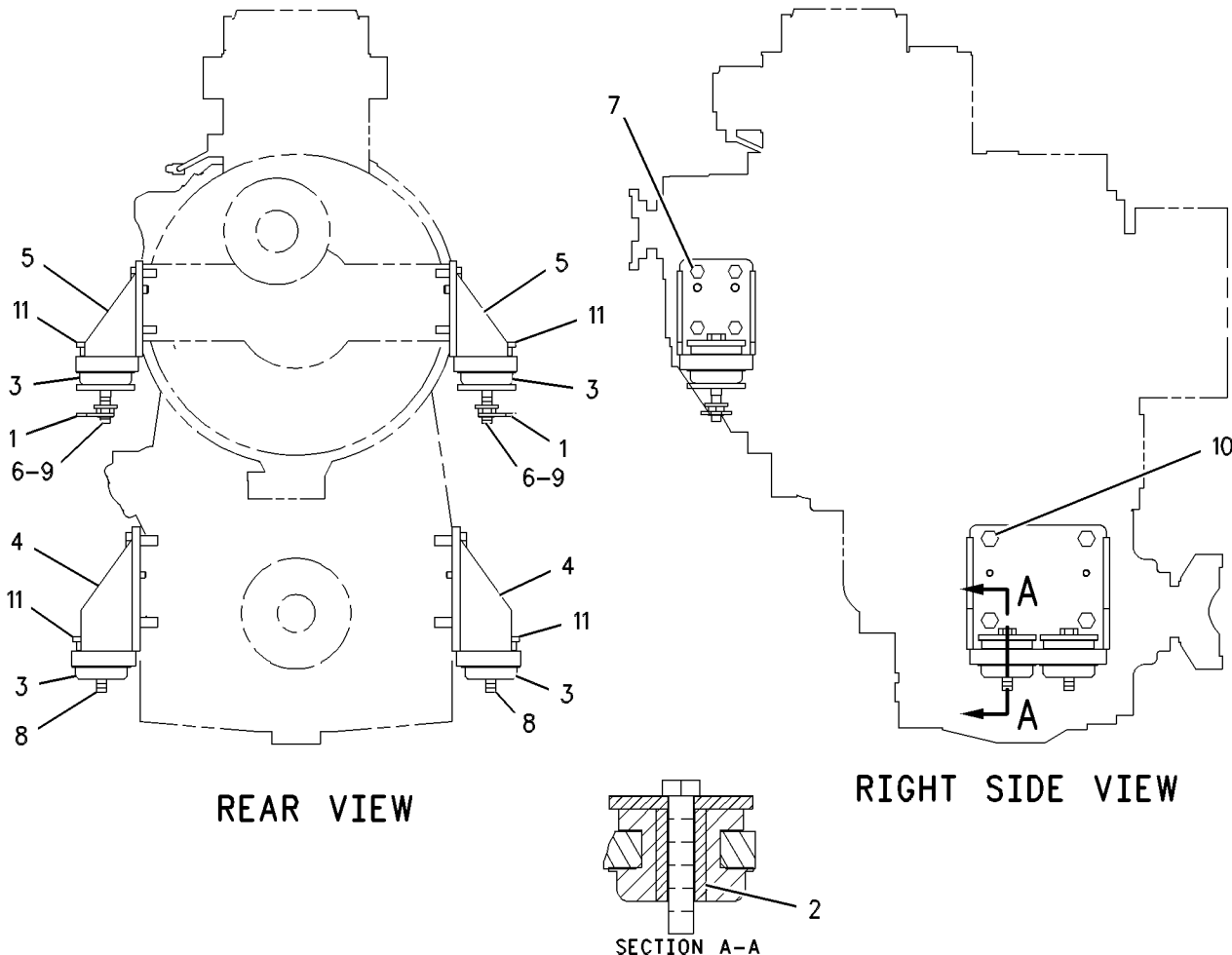
PART OF 203-1568 CHASSIS AR

SMCS-3030

i01083636

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	173-6640	2	SUPPORT AS						
	2	1	9W-6582	6	SLEEVE						
	3	1	9W-9930	6	MOUNT AS						
	4	1	132-2925	2	SUPPORT AS-LOWER						
					(EACH INCLUDES)						
		1	1A-2223	2	DOWEL						
	5	1	132-2927	2	SUPPORT AS-UPPER						
					(EACH INCLUDES)						
		1	4D-8148	2	DOWEL (1.26IN LG)						
M	6	1	7X-2488	2	BOLT (M20X2.5X160MM)						
M	7	1	7X-2553	8	BOLT (M16X2.0X40MM)						
M	8	1	7X-2566	4	BOLT (M20X2.5X110MM)						
	9	1	8T-5439	2	WASHER (6.0MM THK)						
M	10	1	8T-6430	8	BOLT (M20X2.5X50MM)						
	11	1	9W-6584	8	WASHER (10MM THK)						

M-METRIC PART



GRAPHIC #1

g00554555

POWER TRAIN

145-0403 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 30 PR L-4
AN ATTACHMENT

SMCS-4202

i00979247

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

145-0407 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 30 PR L-4
AN ATTACHMENT

SMCS-4202

i00979404

			PART NAME							SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6	(PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

145-0409 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 30 PR L-4
AN ATTACHMENT

SMCS-4202

i00979258

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

145-0410 TIRE & RIM AR

**S/N: BPC1-UP
AN ATTACHMENT**

SMCS-4202

i00979173

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

145-0412 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 30 PR L-5
AN ATTACHMENT

SMCS-4202

i00979252

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

145-0414 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 30 PR L-5
AN ATTACHMENT

SMCS-4202

i00979256

			PART NAME							SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6	(PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

145-0415 TIRE & RIM AR

S/N: BPC1-UP
35/65 R 33 * L-4
AN ATTACHMENT

SMCS-4202

i00978698

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

145-0421 TIRE & RIM AR

S/N: BPC1-UP
35/65 R 33 * L-5
AN ATTACHMENT

SMCS-4202

i00978700

			PART NAME							SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6	(PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

152-6687 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 24 PR L-4
AN ATTACHMENT

SMCS-4202

i00978702

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

152-6690 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 24 PR L-4
AN ATTACHMENT

SMCS-4202

i00978703

			PART NAME						SEE PAGE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

152-6693 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 24 PR L-4
AN ATTACHMENT

SMCS-4202

i00978725

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

152-6709 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 24 PR L-5
AN ATTACHMENT

SMCS-4202

i00979620

			PART NAME							SEE PAGE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

152-6710 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 24 PR L-5
AN ATTACHMENT

SMCS-4202

i00979664

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

152-6714 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 24 PR L-5
AN ATTACHMENT

SMCS-4202

i00979668

			PART NAME							SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6	(PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

152-6717 TIRE & RIM AR

S/N: BPC1-UP
35/65-R33 1 STAR L-3
AN ATTACHMENT

SMCS-4202

i00984469

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

160-7277 TIRE & RIM AR

**S/N: BPC1-UP
35/65 R 33 * L-3
AN ATTACHMENT**

SMCS-4202

i00997487

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

168-8740 TIRE & RIM AR

S/N: BPC1-UP
35/65R33 *L-4
AN ATTACHMENT

SMCS-4202

i01534530

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

170-1107 TIRE & RIM AR

S/N: BPC1-UP
35/65R33 *L-5 RL-5K
AN ATTACHMENT

SMCS-4202

i01534531

			PART NAME							SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6	(PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

172-5554 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 30 PR L-5
AN ATTACHMENT

SMCS-4202

i01628608

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

194-4133 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 42 PR L-5
AN ATTACHMENT

SMCS-4202

i01628604

			PART NAME							SEE PAGE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6 (PRODUCT LEVEL)		
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

194-4136 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 42 PR L-5
AN ATTACHMENT

SMCS-4202

i01628598

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

194-4186 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 42 PR L-5
AN ATTACHMENT

SMCS-4202

i01628605

			PART NAME							SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6	(PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

199-3722 TIRE & RIM AR

S/N: BPC1-UP
875/65R33 ** L-5
AN ATTACHMENT

SMCS-4202

i01463031

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

200-5156 TIRE & RIM AR

S/N: BPC1-UP
35/65 R 33 * L-5
AN ATTACHMENT

SMCS-4202

i01447141

			PART NAME						SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6 (PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

200-5165 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 36 PR L-5
AN ATTACHMENT

SMCS-4202

i01447161

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

200-5169 TIRE & RIM AR

S/N: BPC1-UP
35-65-33 36 PR L-4
AN ATTACHMENT

SMCS-4202

i01447173

			PART NAME						SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6 (PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

200-5170 TIRE & RIM AR

S/N: BPC1-UP
35-65-33 36 PR L-4
AN ATTACHMENT

SMCS-4202

i01447176

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

200-5171 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 42 PR L-4
AN ATTACHMENT

SMCS-4202

i01447179

			PART NAME							SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6	(PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

200-5172 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 42 PR L-4
AN ATTACHMENT

SMCS-4202

i01447183

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

200-5174 TIRE & RIM AR

S/N: BPC1-UP
35/65-33 42PR L-4
AN ATTACHMENT

SMCS-4202

i01447186

			PART NAME							SEE
NOTE	PART NUMBER	QTY	1	2	3	4	5	6	(PRODUCT LEVEL)	PAGE
Y	141-9811	1	RIM AR							305
Y-SEPARATE ILLUSTRATION										

POWER TRAIN

200-7949 TIRE & RIM AR

S/N: BPC1-UP
875/65R33 ** L-4
AN ATTACHMENT

SMCS-4202

i01447189

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

203-6992 TIRE & RIM AR

S/N: BPC1-UP
35/65 R33 * L-5
AN ATTACHMENT

SMCS-4202

i01497336

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

204-3547 TIRE & RIM AR

S/N: BPC1-UP
35/65R33*L-4
AN ATTACHMENT

SMCS-4202

i01496616

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	141-9811	1	RIM AR						305
Y-SEPARATE ILLUSTRATION									

POWER TRAIN

145-7109 TORQUE CONVERTER & HOUSING GP

S/N: BPC1-UP

LOCKUP

PART OF 139-5896 POWER TRAIN AR

SMCS-3101, 3105

i01628763

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	145-7108	1	TORQUE CONVERTER GP (LOCKUP)	350
	2	1	132-4454	1	HOUSING AS-TORQUE CONVERTER	
	2A	2	1F-1006	2	DOWEL	
M	3	1	8T-4956	11	BOLT (M12X1.75X35MM)	
	4	1	8T-4223	13	WASHER-HARD (13.5X25.5X3MM THK)	
	5	1	5P-2503	4	CUP	
	6	1	5P-2504	4	CONE-BEARING	
	7	1	131-7419	2	GEAR-PUMP DRIVE	
	8	1	152-1088	1	ADAPTER-PUMP	
	9	1	8T-7338	13	BOLT (M16X2.0X45MM)	
	10	1	9X-8257	13	WASHER (17.5X30X3.5MM THK)	
	11	2	133-7221	1	ADAPTER-PUMP	
	12	1	130-7093	1	COVER	
	13	1	6V-7423	1	BEARING AS-ROLLER	
	14	1	133-6347	1	SHAFT-IDLER	
	15	1	6V-7675	1	BOLT (M16X2.0X140MM)	
	16	1	5K-9065	1	RING-RETAINING	
	17	1	8J-6815	2	PLUG-ORIFICE	
	18	2	111-0810	1	MANIFOLD	
M	19	2	7X-0818	4	BOLT (M8X1.25X45MM)	
	20	2	8T-4224	4	WASHER-HARD (8.8X16X2MM THK)	
	21	2	132-4460	1	ADAPTER-SPLINED	
M	22	1	8T-4195	3	BOLT (M10X1.5X30MM)	
	23	1	7M-9909	1	SEAL-O-RING	
	24	2	9S-4191	3	PLUG-STRAIGHT THREAD	
	25	2	3J-1907	4	SEAL-O-RING	
	26	2	9S-4181	2	PLUG	
	27	2	7M-8485	2	SEAL-O-RING	
	28	2	6V-0852	1	CAP-DUST	
	29	2	6V-3965	1	FITTING AS	
	30	1	3S-1349	2	WASHER-HARD (31X52.5X6MM THK)	
	31	1	6V-3935	2	RING-RETAINING	
	32	1	132-4455	1	ADAPTER	
	33	1	205-6051	2	SEAL-O-RING	
	34	1,2	132-4458	2	SHIM PACK (INCLUDES 10 SHIMS)	
	35	1	133-9928	1	ADAPTER-LUBE	
	36	1,2	7D-1979	4	SEAL-O-RING	
	37	1	9X-8268	1	WASHER (17.5X30X3.5MM THK)	
	38	1,2	8T-4121	5	WASHER-HARD (11X21X2.5MM THK)	
	39	2	7F-8607	5	SEAL-O-RING	
	40	1	131-7418	1	GEAR-IDLER	
	41	1	8H-3981	2	RING-RETAINING	
	42	1	4H-6730	1	SEAL-O-RING	
	43	1	1D-4327	2	SEAL-LIP	
	44	1	1T-1639	1	RING	
	45	1	169-3356	1	COVER	
	46	1	9M-9936	1	SEAL-O-RING	
	47	1	8T-4139	2	BOLT (M12X1.75X30MM)	
	48	2	169-3355	1	COVER	
	49	2	107-5769	1	SEAL-O-RING	
	50	2	8T-4136	2	BOLT (M10X1.5X25MM)	

B-USE AS REQUIRED

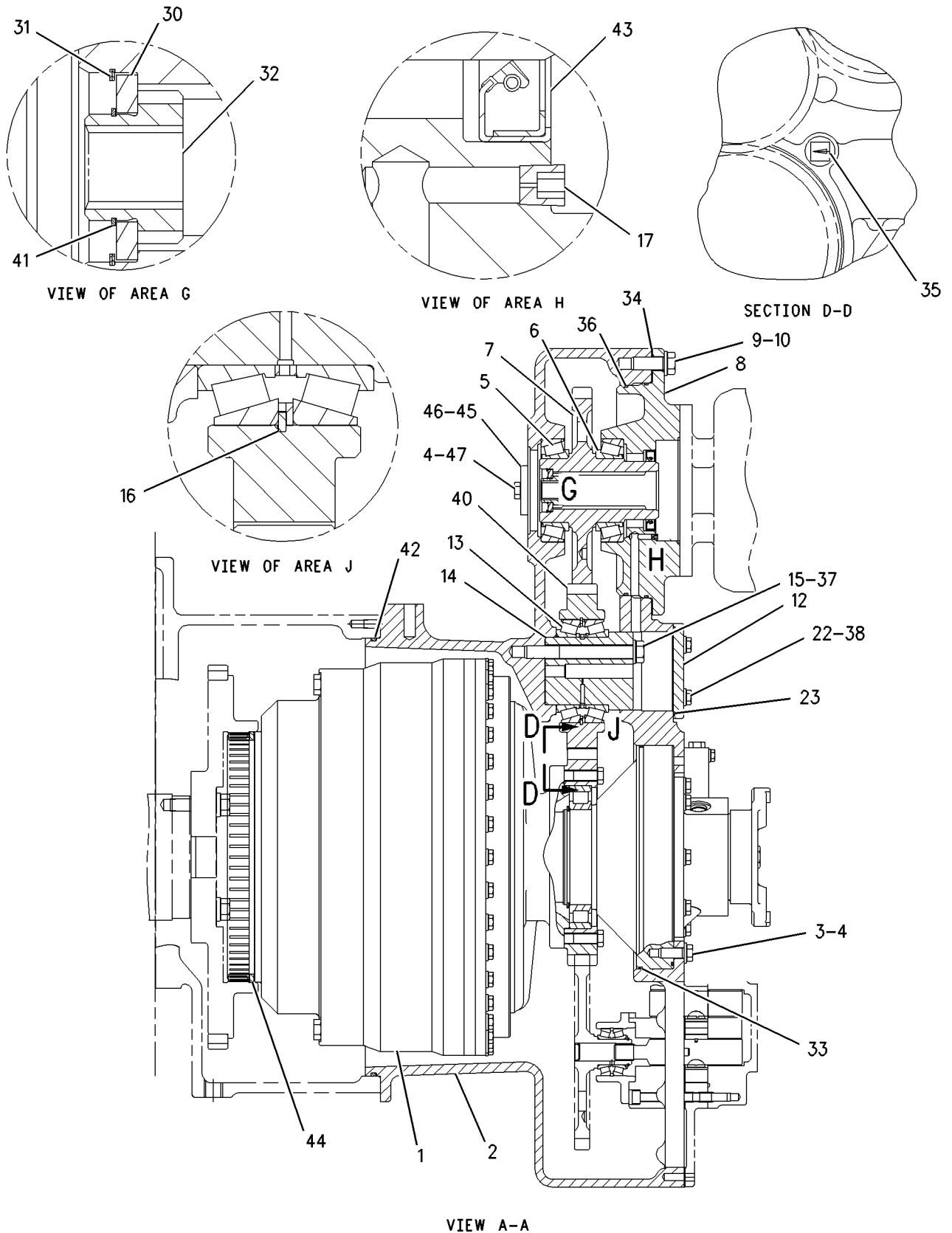
M-METRIC PART

Y-SEPARATE ILLUSTRATION

POWER TRAIN

145-7109 TORQUE CONVERTER & HOUSING GP (contd.)

i01628763



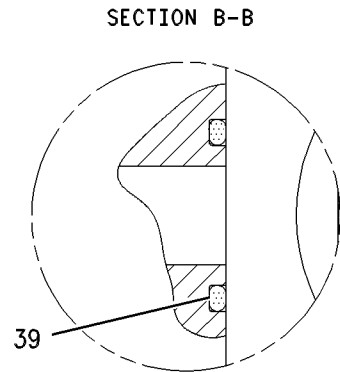
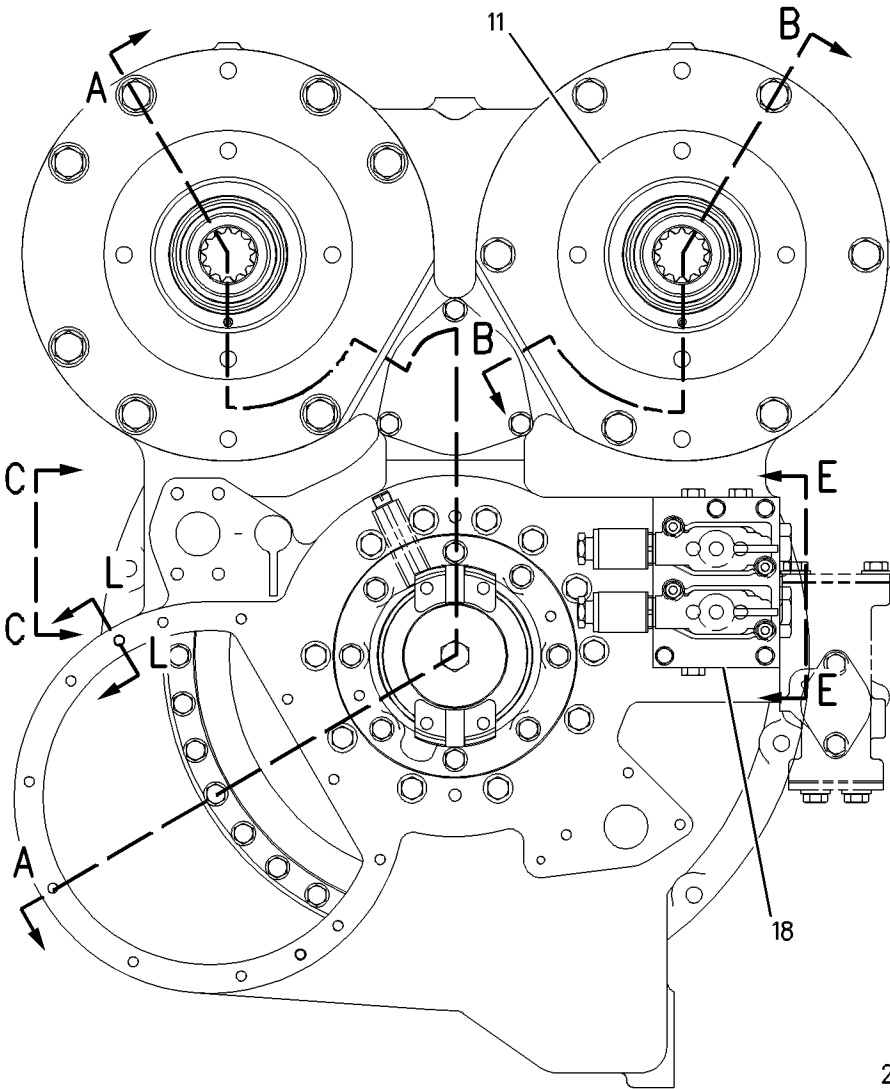
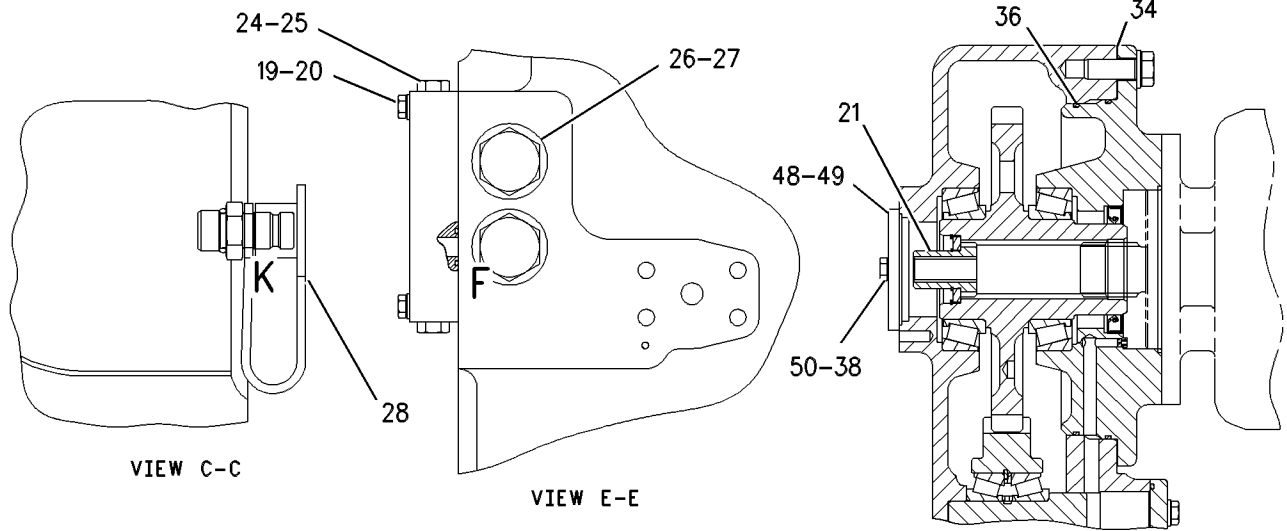
GRAPHIC #1

g00656461

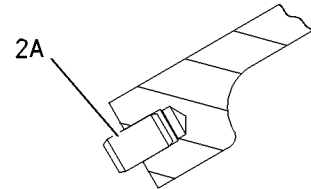
POWER TRAIN

145-7109 TORQUE CONVERTER & HOUSING GP (contd.)

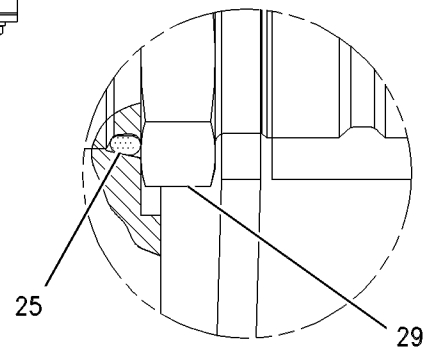
101628763



VIEW OF AREA F



SECTION L-L



VIEW OF AREA K

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #2

g00566739

MEMORANDA

POWER TRAIN

145-7108 TORQUE CONVERTER GP

S/N: 5XT1-UP

LOCKUP

PART OF 145-7109 TORQUE CONVERTER & HOUSING GP

SMCS-3101

i01493325

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	129-0790	1	CARRIER AS-STATIONARY	
		1	2H-2255	1	DOWEL	
	2	1	132-4452	1	GASKET	
	3	1	129-0822	1	RETAINER-BEARING	
M	4	1	8T-4195	8	BOLT (M10X1.5X30MM)	
	5	1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)	
	6	1	9X-4605	1	SEAL-LIP	
	7	1	155-2077	1	YOKE	
	8	1	8M-4989	1	SEAL-O-RING	
M	9	1	7X-2555	1	BOLT (M16X2X80MM)	
	10	1	9S-4372	1	RETAINER	
	11	1	7F-6013	1	BALL BEARING	
	12	1	8J-6815	1	PLUG-ORIFICE	
	13	1	6Y-1414	1	CARRIER-RING	
	14	1	3T-6246	4	RING-SEAL	
	15	1	133-7134	1	BEARING-RACE	
	16	1	133-7133	1	RACE-ROLLER	
	17	1	6H-6043	1	RING-RETAINING	
M	18	1	8T-1158	8	BOLT-SOCKET HEAD (M8X1.25X20MM)	
	19	1	148-4404	1	PISTON-CLUTCH	
	20	1	132-4450	1	HOUSING AS-CLUTCH	
		1	0L-2061	2	DOWEL	
	21	1	128-8704	1	PLATE-REACTION	
	22	1	6Y-5636	1	IMPELLER-CONVERTER	
M	23	1	6V-5684	12	BOLT (M12X1.75X45MM)	
	24	1	5P-8245	12	WASHER-HARD (13.5X25.5X3MM THK)	
	25	1	6Y-0806	1	HUB-IMPELLER	
	26	1	6Y-0803	1	STATOR-CONVERTER	
	27	1	2P-4470	1	TURBINE-CONVERTER	
	28	1	9S-4185	2	PLUG-O-RING	
	29	1	8L-2786	2	SEAL-O-RING	
	30	1	6P-9553	1	PLATE-CLUTCH BACKING	
	31	1	1T-1315	2	PLATE-CLUTCH	
	32	1	1T-0887	2	DISC AS-CLUTCH	
	33	1	1T-1426	1	PISTON-LOCKUP CLUTCH	
	34	1	6Y-0802	1	ADAPTER-CLUTCH	
	35	1	128-7348	1	HUB-TURBINE	
M	36	1	6V-4248	8	BOLT (M10X1.50X25MM)	
	37	1	1T-1356	1	RING-SEAL	
	38	1	6V-9191	1	BALL BEARING	
	39	1	1T-1616	1	WASHER-SPRING	
	40	1	132-4457	1	COVER	
	41	1	1T-1617	1	PLATE-RETAINER	
	42	1	1T-0895	1	RING-RETAINING	
	43	1	1T-0936	1	PLUG-PIPE	
M	44	1	8T-0273	24	BOLT-SOCKET HEAD (M12X1.75X40MM)	
	45	1	8S-3371	1	RING-SEAL	
	46	1	7G-0141	2	RING-SEAL	
	47	1	1T-0847	1	LOCKPIN-RACE	
	48	1	9S-4368	2	RING-RETAINING	
	49	1	128-7349	1	HOUSING-CLUTCH	
	50	1	1T-1910	2	PLATE-SIDE	
	51	1	1T-1423	1	CAM-FREEWHEEL	
	52	1	9U-9100	1	RACE-FREEWHEEL	
	53	1	1T-0795	3	RING-RETAINING	

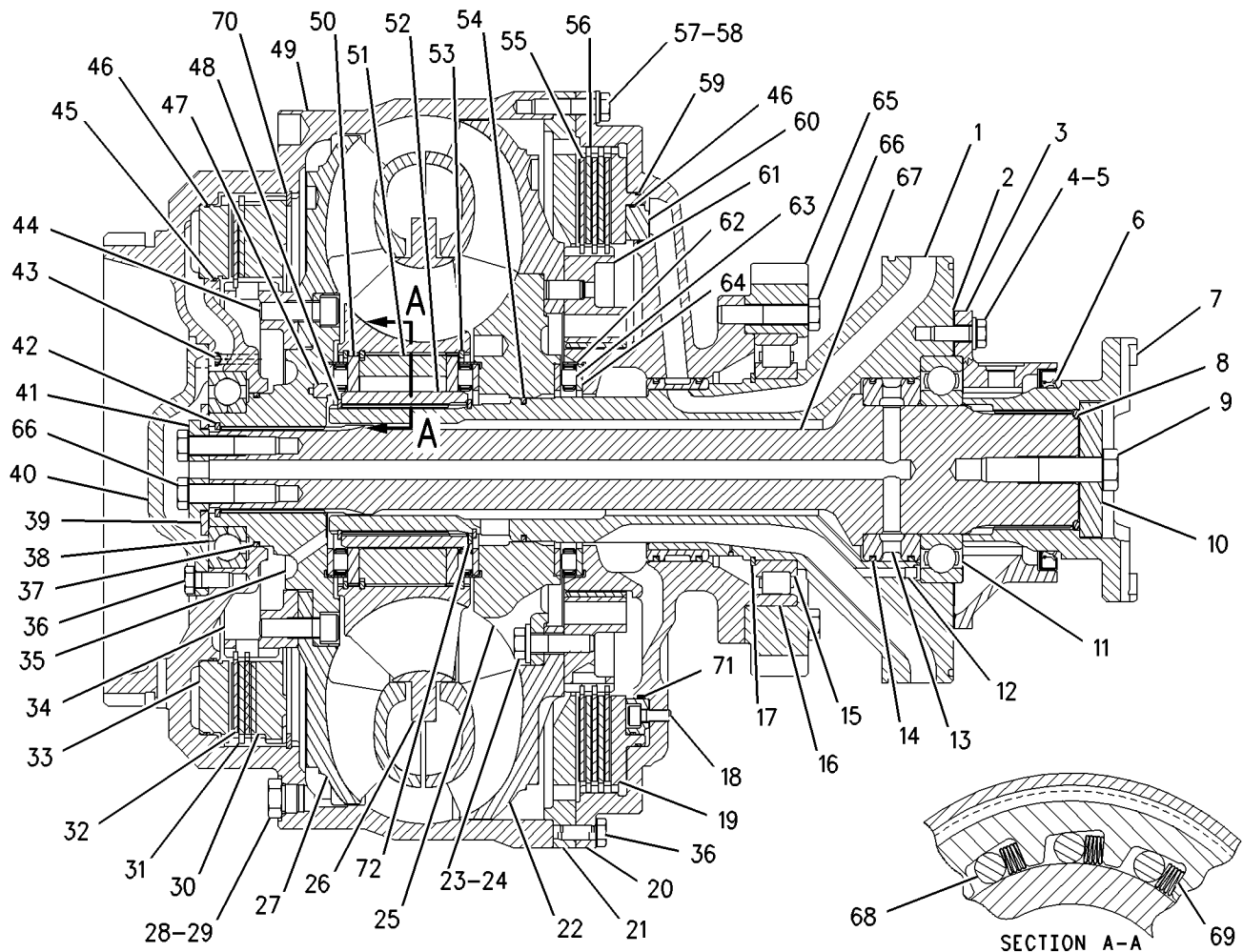
POWER TRAIN

145-7108 TORQUE CONVERTER GP (contd.)

i01493325

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	54	1	1T-1401	1	RING-SEAL						
	55	1	8E-8328	3	DISC-FRICTION						
	56	1	1T-1897	2	PLATE-CLUTCH						
M	57	1	6V-5843	36	BOLT (M10X1.50X45MM)						
	58	1	6V-5839	36	WASHER (11X21X2.5MM THK)						
	59	1	3S-1284	1	RING-SEAL						
	60	1	132-4463	1	SLEEVE						
	61	1	133-5587	1	ADAPTER AS						
		1	8E-2882	1	BEARING-SLEEVE						
		1	9M-4007	2	DOWEL						
	62	1	1T-0806	3	RETAINER-BEARING						
	63	1	1T-0786	3	BEARING-THRUST						
	64	1	1T-0807	4	RACE-THRUST BEARING						
	65	1	131-7417	1	GEAR-DRIVE						
M	66	1	6V-3823	14	BOLT (M12X1.75X60MM)						
	67	1	127-1001	1	SHAFT-OUTPUT						
	68	1	1T-1410	13	ROLLER-FREEWHEEL						
	69	1	1T-0680	13	SPRING-FREEWHEEL						
	70	1	1T-0896	1	RING-RETAINING						
	71	1	2R-0239	1	SEAL-O-RING						
	72	1	172-0084	1	SPACER						

M-METRIC PART



GRAPHIC #1

g00772717

POWER TRAIN

137-6229 TRANSMISSION AR

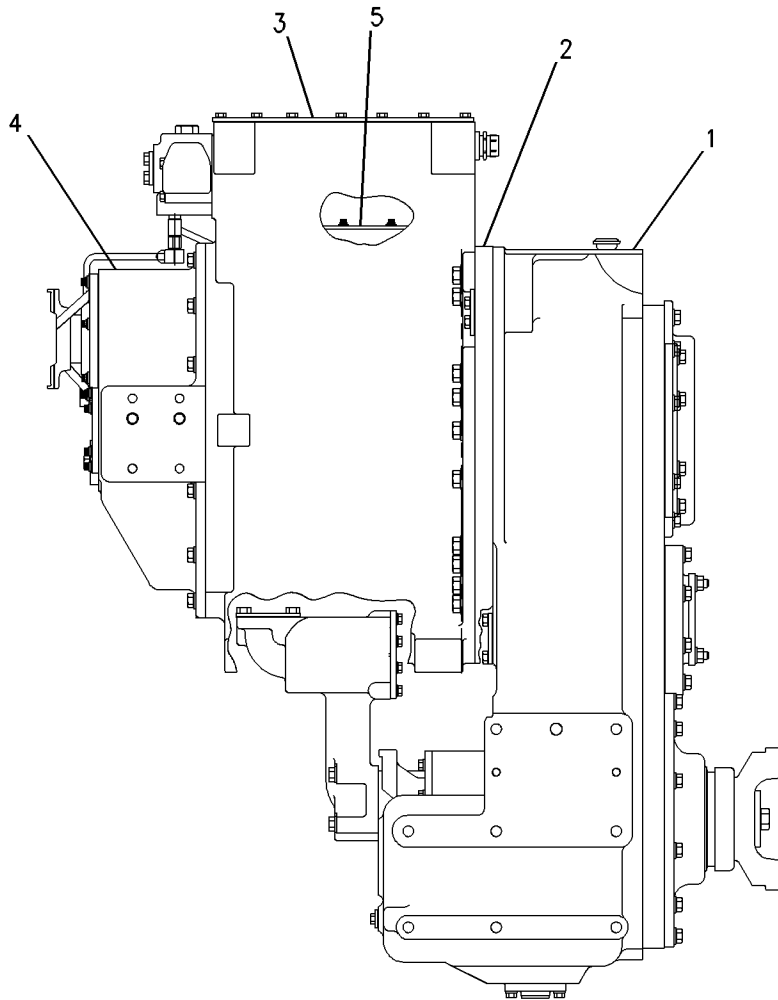
S/N: 3NY1-UP

PART OF 139-5896 POWER TRAIN AR

SMCS-3030

i01493351

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	133-8116	1	GEAR GP-OUTPUT TRANSFER						274
Y	2	1	137-6225	1	PLANETARY GP-TRANSMISSION						296
Y	3	1	133-8114	1	CASE & PARTS GP-PLANETARY						240
Y	4	1	137-6228	1	GEAR GP-INPUT TRANSFER						270
Y	5	1	165-3621	1	CONTROL GP-TRANSMISSION HYD						246
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

g00701089

POWER TRAIN

136-1747 UNIVERSAL JOINT GP

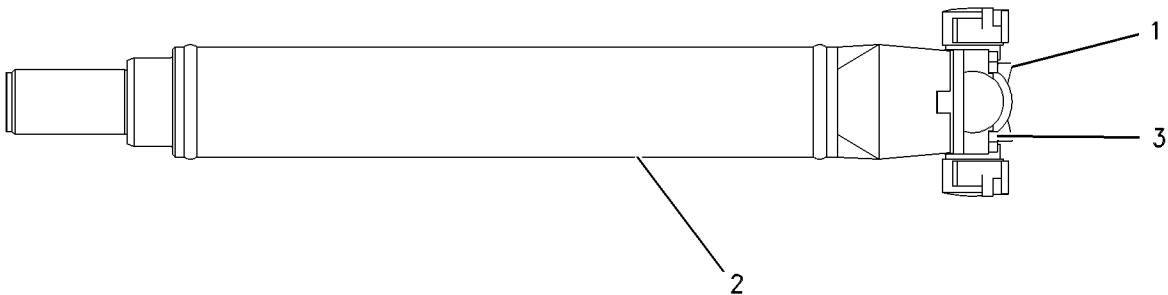
S/N: BPC1-UP

PART OF 136-1722 SHAFT GP-DRIVE

SMCS-3251, 3253

i00939835

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	106-0933	1	SPIDER & BEARING GP						
	2	1	136-1748	1	SHAFT						
M	3	1	8T-0281	4	BOLT (M16X2.0X80MM)						
M-METRIC PART											



GRAPHIC #1

g00511742

POWER TRAIN

136-1749 UNIVERSAL JOINT GP

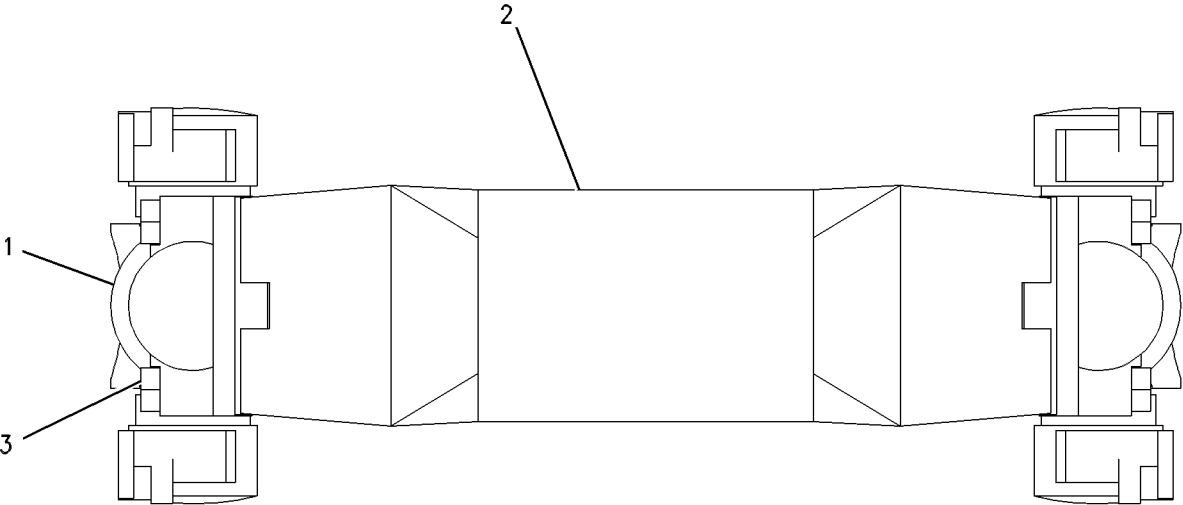
S/N: BPC1-UP

PART OF 136-1722 SHAFT GP-DRIVE

SMCS-3251, 3253

i00939832

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	106-0933	2	SPIDER & BEARING GP						
	2	1	136-1750	1	SHAFT AS						
M	3	1	8T-0281	8	BOLT (M16X2.0X80MM)						
M-METRIC PART											



GRAPHIC #1

g00509536

POWER TRAIN

136-1755 UNIVERSAL JOINT GP-INPUT DRIVE SHAFT

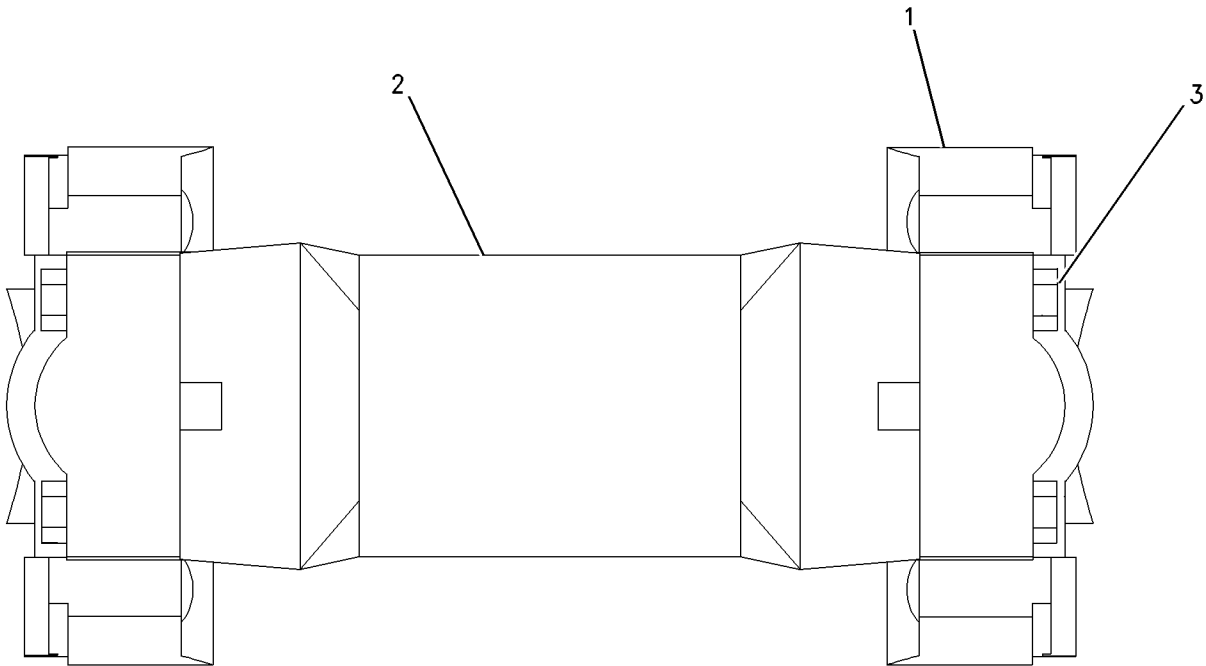
S/N: BPC1-UP

PART OF 136-1754 SHAFT GP-INPUT DRIVE

SMCS-3251, 3253

i01626185

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2T-3013	2	SPIDER & BEARING GP						
	2	1	136-1756	1	SHAFT						
M	3	1	6V-3823	8	BOLT (M12X1.75X60MM)						
M-METRIC PART											



GRAPHIC #1

g00838821

POWER TRAIN

160-8408 VALVE GP-MODULATING-TRANSMISSION CLUTCH

S/N: 3NY1-UP

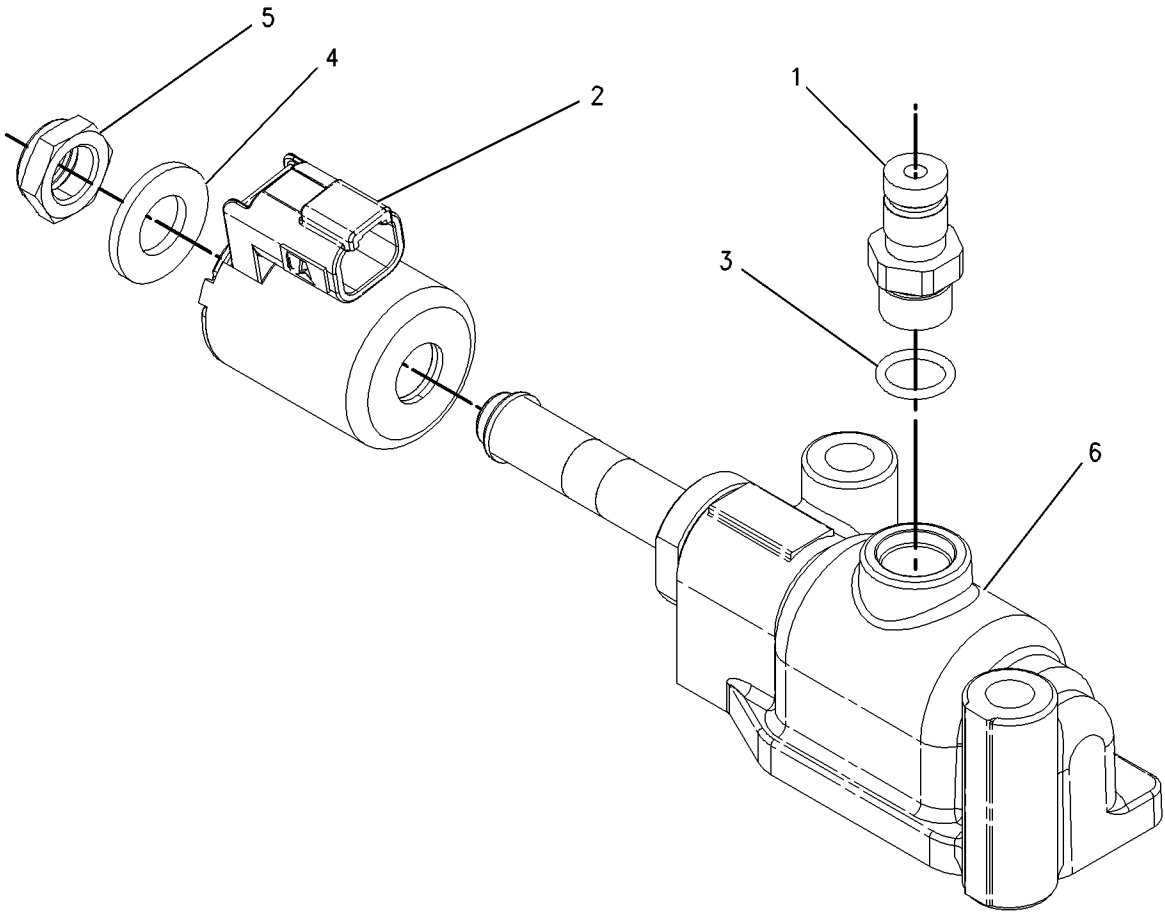
24 VOLTS DC

PART OF 165-3621 CONTROL GP-TRANSMISSION HYD

SMCS-3139

i01430942

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-3965	1	FITTING AS (QUICK DISCONNECT)						
	2	1	145-1144	1	COIL AS						
	3	1	3J-1907	1	SEAL-O-RING (11.89MM ID)						
	4	1	164-2108	1	WASHER (2.38MM THK)						
	5	1	167-9524	1	NUT-SELF LOCKING (1/2-28 THD)						
Z	6	1			VALVE AS						
Z-NOT SERVICED SEPARATELY											



GRAPHIC #1

g00749650

POWER TRAIN

170-0761 VALVE GP-MODULATING

S/N: BPC1-UP

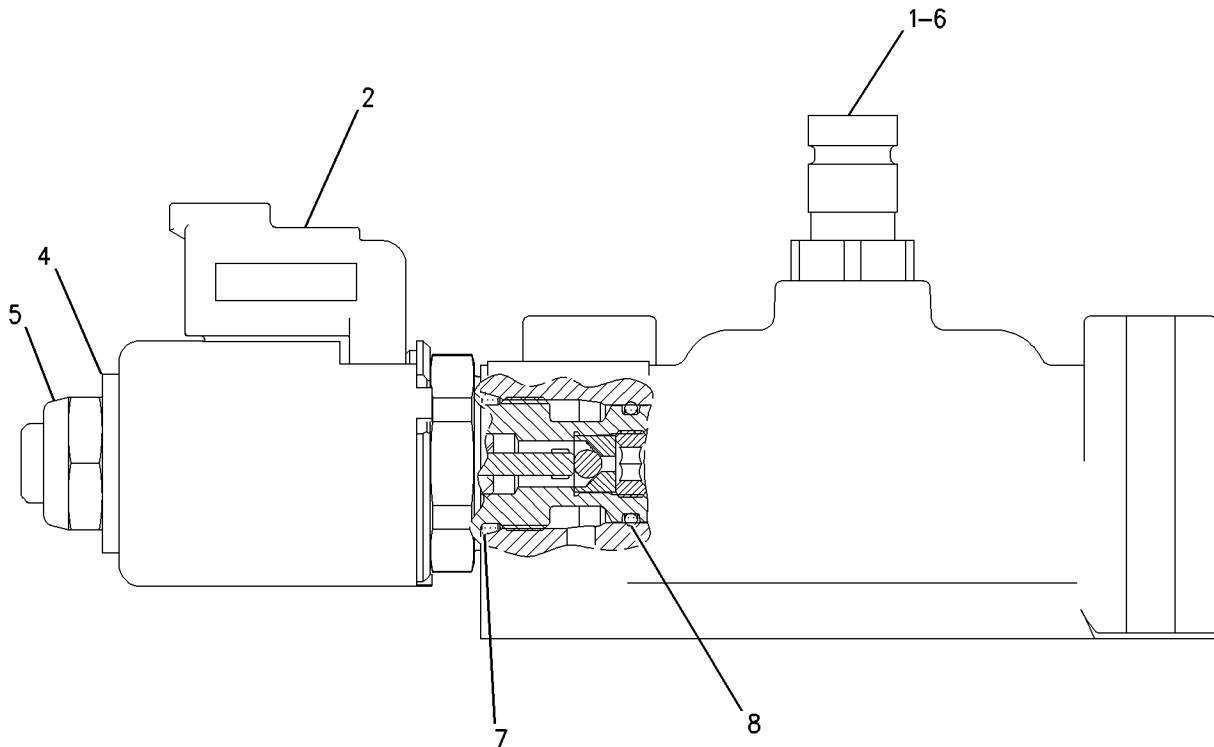
24 VOLT

PART OF 203-1602 WIRING GP-POWER TRAIN

SMCS-3139

i01554040

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-3965	1	FITTING						
	2	1	145-1144	1	COIL AS						
	4	1	164-2108	1	WASHER (13.03X25.4X2.38MM THK)						
	5	1	167-9524	1	NUT-SELF LOCKING (1/2-28 THD)						
	6	1	3J-1907	1	SEAL-O-RING						
	7	1	112-5282	1	SEAL-O-RING						
	8	1	117-2983	1	SEAL-O-RING						



GRAPHIC #1

g00809670

POWER TRAIN

186-4126 VALVE GP-MODULATING

S/N: BPC1-UP

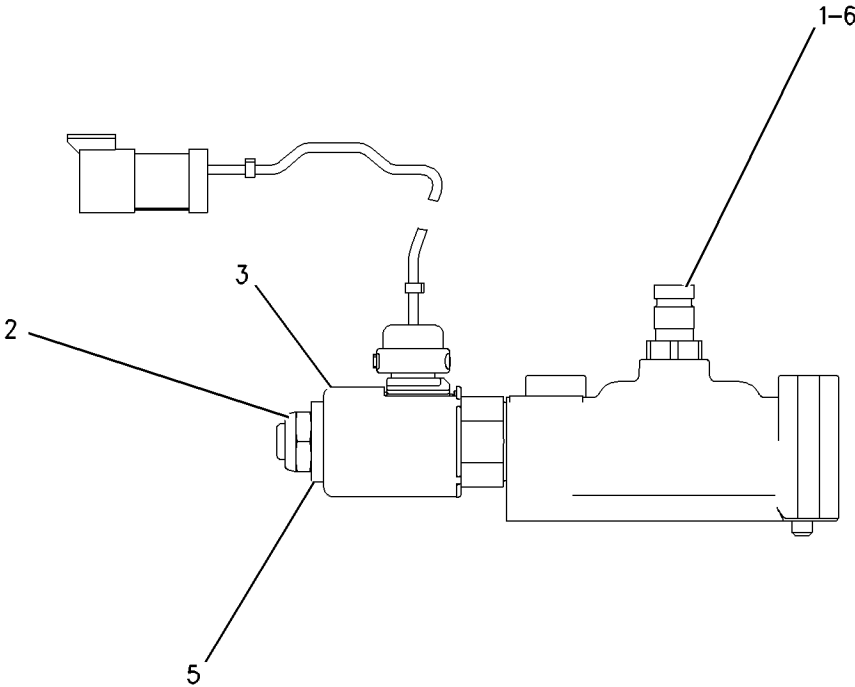
24 VDC

PART OF 203-1602 WIRING GP-POWER TRAIN

SMCS-3139

i01462443

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-3965	1	FITTING AS (QUICK DISCONNECT)						
	2	1	167-9524	1	NUT-SELF LOCKING (1/2-28 THD)						
	3	1	176-6495	1	COIL AS						
	5	1	187-2710	1	WASHER						
	6	1	3J-1907	1	SEAL-O-RING						



GRAPHIC #1

g00766177

POWER TRAIN

104-5013 VALVE GP-RELIEF-TORQUE CONVERTER OUTLET

S/N: BPC1-UP

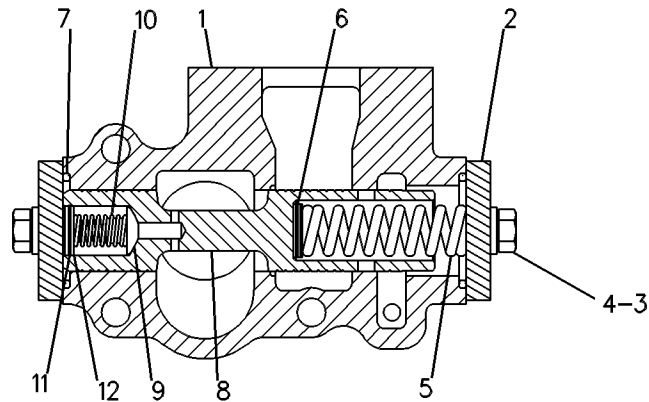
PART OF 201-2458 LINES GP-POWER TRAIN OIL

SMCS-3133, 3182, 3210, 3213

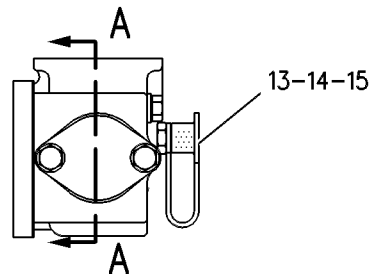
i00174173

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	104-5014	1	BODY-RELIEF VALVE	
	2	1	4M-8239	2	COVER	
	3	1	0S-1594	4	BOLT (3/8-16X1IN)	
	4	1	5M-2894	4	WASHER (2.5MM THK)	
	5	1	8M-8627	1	SPRING	
B	6	1	5M-9622	2	SPACER (1.6MM THK)	
B		1	5M-9623	3	SPACER (.9MM THK)	
B		1	5M-9624	1	SPACER (.25MM THK)	
	7	1	8M-4986	2	SEAL-O-RING (37.69MM ID)	
	8	1	2P-4538	1	SPOOL AS-RELIEF	
	9	1	9M-4313	1	POPPET	
	10	1	5M-9548	1	SPRING	
	11	1	1L-3162	1	RING-RETAINING	
	12	1	8M-2537	1	RETAINER	
	13	1	6V-0852	1	CAP-DUST	
	14	1	3J-1907	1	SEAL-O-RING (11.89MM ID)	
	15	1	6V-3965	1	NIPPLE AS	

B-USE AS REQUIRED



SECTION A-A



GRAPHIC #1

g00122362

POWER TRAIN

134-5053 VALVE GP-RELIEF-TRANSMISSION HYDRAULIC CONTROL

S/N: 3NY1-UP

PART OF 165-3621 CONTROL GP-TRANSMISSION HYD

SMCS-3133, 3182, 3210, 3213

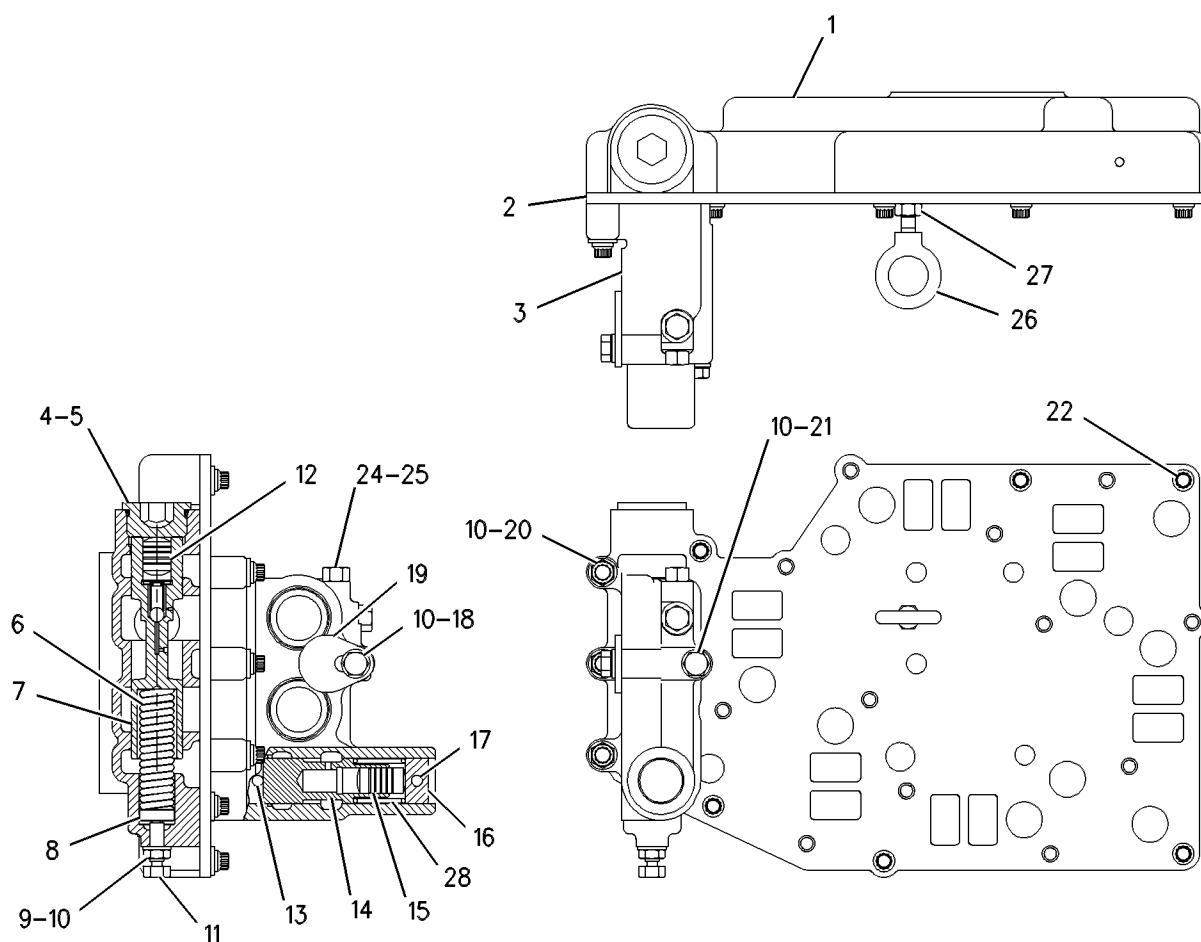
i01051757

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	133-4772	1	MANIFOLD						
	2	1	133-0772	1	PLATE						
	3	1	134-1265	1	ELBOW						
	4	1	6Y-4638	1	PLUG-HEX SOCKET						
	5	1	7M-8485	1	SEAL-O-RING (29.74MM ID)						
	6	1	106-9212	1	SPRING						
	7	1	133-6567	1	SPOOL AS-RELIEF						
	8	1	109-3969	1	STOP						
	9	1	5B-3180	1	NUT (5/16-18 THD)						
	10	1	9M-1974	6	WASHER-HARD (2MM THK)						
	11	1	4M-5905	1	SCREW-ADJUSTMENT						
	12	1	9W-5568	1	SLUG						
	13	1	2S-0696	1	DOWEL						
	14	1	6P-4943	1	SPOOL-RATIO						
	15	1	5S-7816	1	SLUG						
	16	1	2S-4872	1	STOP						
	17	1	8H-9189	1	DOWEL						
	18	1	8L-5922	1	BOLT-LOCKING (5/16-18X.563IN)						
	19	1	126-7980	1	RETAINER						
	20	1	8M-8162	3	BOLT-12 POINT HEAD						
	21	1	8H-8769	1	BOLT (5/16-18X4.25IN)						
	22	1	1T-0416	6	BOLT (5/16-18X.75IN)						
	24	1	1N-5999	2	PLUG (3/8-24 THD)						
	25	1	7J-0204	2	SEAL-O-RING (7.65MM ID)						
	26	1	1P-7404	1	EYEBOLT						
	27	1	5S-0003	1	NUT (5/16-18 THD)						
	28	1	6P-4978	1	SPRING						

POWER TRAIN

134-5053 VALVE GP-RELIEF (contd.)

i01051757



GRAPHIC #1

g00550468

POWER TRAIN

149-2610 VALVE GP-SOLEN0ID-AXLE OIL COOLER

S/N: BPC1-UP

24 VOLT

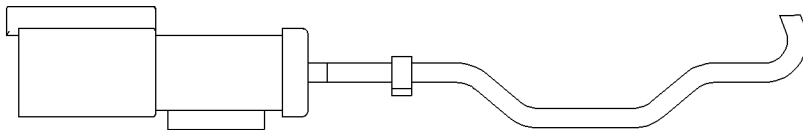
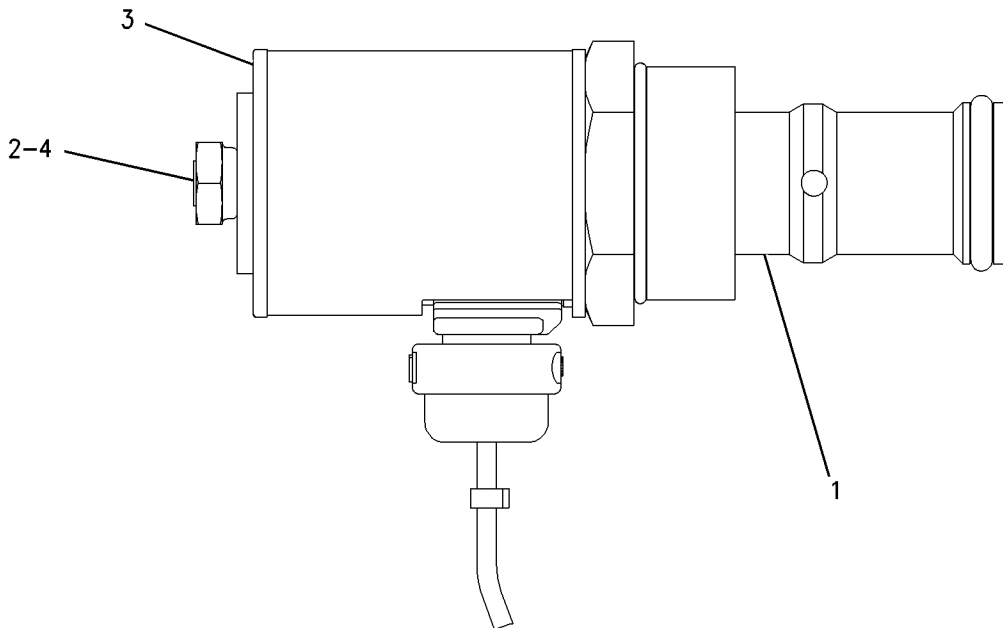
PART OF 160-3929 LINES GP-AXLE OIL COOLER

AN ATTACHMENT

SMCS-3174, 4804, 4805, 5479

i01606729

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	149-2611	1	CARTRIDGE AS	
		1	8C-9987	1	WASHER (8.3X28X2.5MM THK)	
2		1	111-0343	1	LOCKNUT (5/16-18 THD)	
3		1	189-0189	1	COIL AS	
		1	1S-9593	2	STRAP-CABLE	
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
		1	8T-8729	2	PIN-CONNECTOR	
		1	102-8802	2	KIT-RECEPTACLE (2 PIN)	
					(EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS AND WEDGE)	
4		1	8C-9987	1	WASHER (8.3X28X2.5MM THK)	
		1	111-0343	1	LOCKNUT (5/16-18 THD)	
					AVAILABLE REPAIR KIT(S) :	
			3G-8175	1	KIT-SEAL	
					(INCLUDES O-RINGS & BACK-UP RINGS)	



GRAPHIC #1

g00835681

POWER TRAIN

8E-8427 VALVE GP-TORQUE CONV PRIORITY

S/N: BPC1-UP

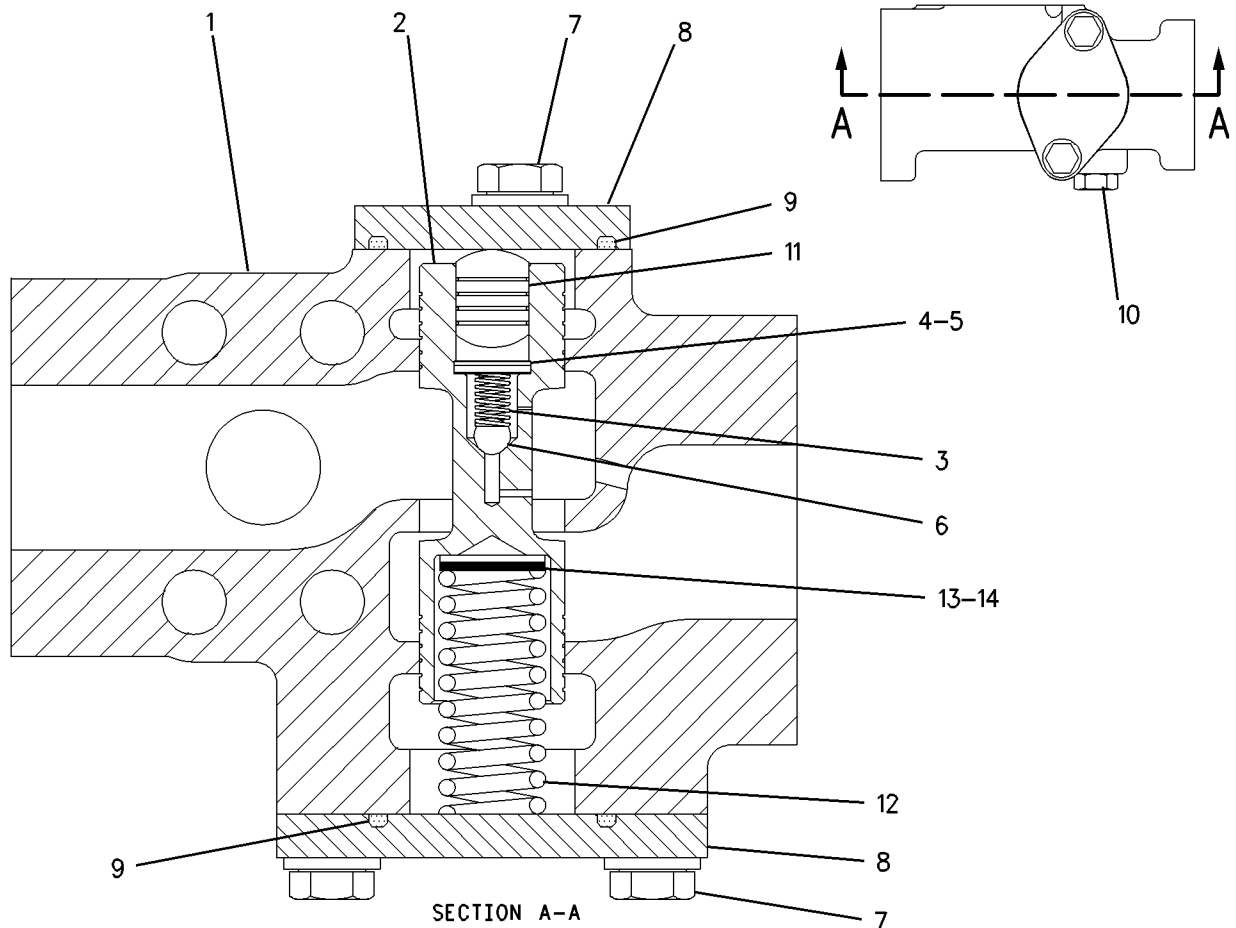
PART OF 201-2458 LINES GP-POWER TRAIN OIL

SMCS-3180

i01227901

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8E-9277	1	BODY AS-VALVE						
		1	2D-6642	1	BALL						
	2	1	8E-8275	1	SPOOL AS						
	3	1	4M-2381	1	SPRING						
	4	1	3D-8317	1	RING-RETAINING						
	5	1	8M-1013	1	RETAINER						
	6	1	4B-9880	1	BALL						
M	7	1	8T-4136	4	BOLT (M10X1.50X25MM)						
		1	8T-4121	4	WASHER-HARD (2.5MM THK)						
	8	1	9M-1164	2	COVER						
	9	1	8M-5661	2	SEAL-O-RING (47.22MM ID)						
	10	1	9S-4191	1	PLUG-O-RING (9/16-18 THD)						
		1	3J-1907	1	SEAL-O-RING (11.89MM ID)						
	11	1	2M-7041	1	SLUG						
	12	1	8E-8273	1	SPRING						
B	13	1	8S-6214	3	SPACER (0.41MM THK)						
B	14	1	8S-6215	3	SPACER (0.92MM THK)						

B-USE AS REQUIRED
M-METRIC PART



GRAPHIC #1

g00656463

POWER TRAIN

192-0822 WHEEL & FINAL DRIVE GP

S/N: BPC1-UP

PART OF 137-8833 AXLE AR-FIXED, 137-8832 AXLE AR-OSCILLATING

SMCS-4001, 4051

i01493844

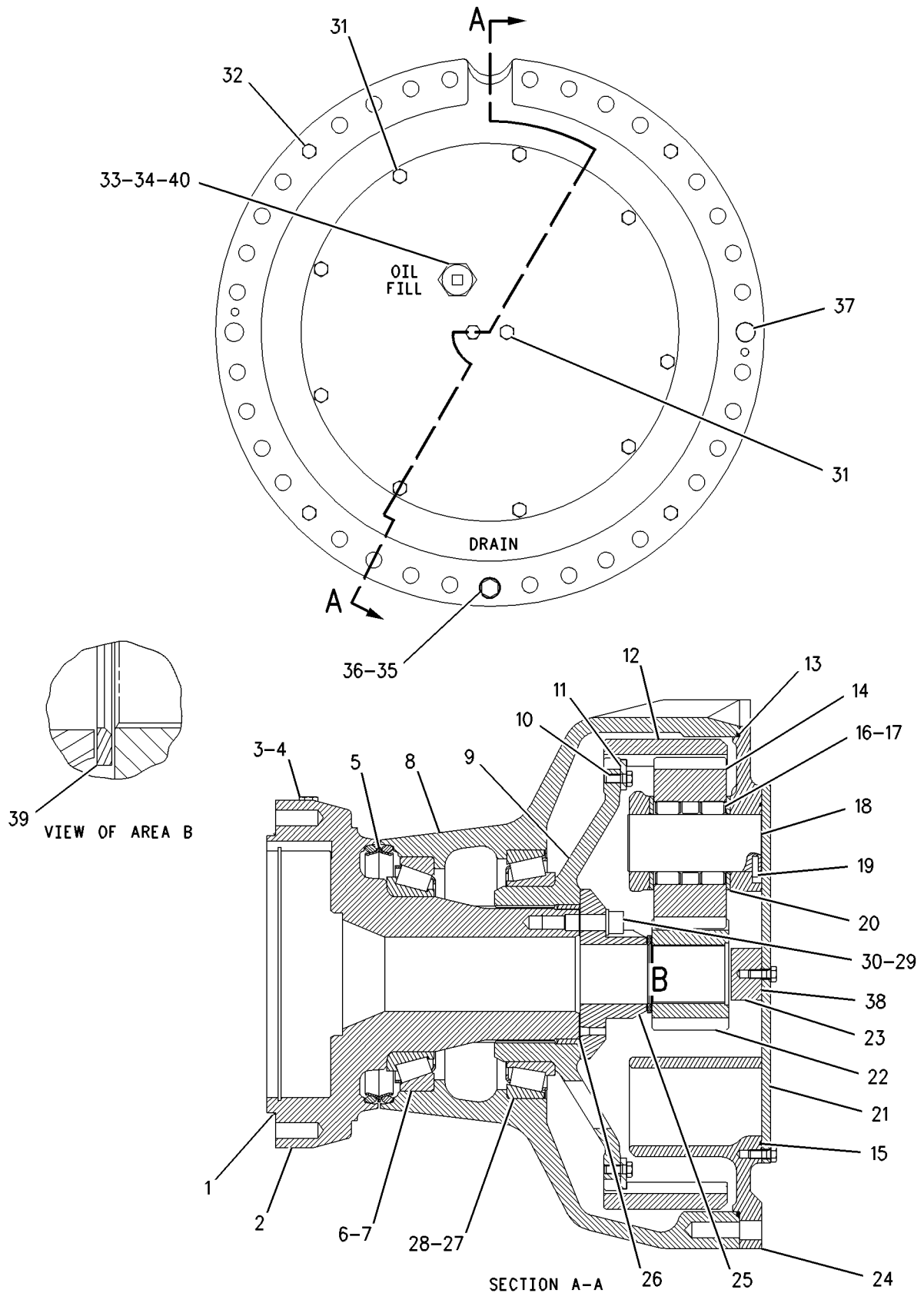
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6D-0692	1	SEAL-O-RING						
	2	1	147-6457	1	SPINDLE						
	3	1	3K-0360	1	SEAL-O-RING						
	4	1	9S-8005	1	PLUG						
	5	1	9G-5321	1	SEAL GP-DUO-CONE						
	6	1	148-1546	1	CONE						
	7	1	5D-6298	1	CUP-ROLLER BEARING						
	8	1	137-8845	1	WHEEL						
	9	1	137-8846	1	HUB AS						
		1	137-8837	1	BUSHING						
M	10	1	8C-8992	8	BOLT-LOCKING (M12X1.75X30MM)						
	11	1	5T-7676	4	RETAINER						
	12	1	137-8843	1	GEAR-RING						
	13	1	9H-6832	1	SEAL-O-RING						
	14	1	192-0816	3	GEAR-PLANET (30 TEETH)						
	15	1	2R-0098	1	SEAL-O-RING						
	16	1	6Y-9885	6	BEARING AS-ROLLER						
	17	1	8K-0067	3	SPACER (.875IN THK)						
	18	1	192-0814	3	SHAFT-PLANETARY						
	19	1	6T-5545	3	DOWEL						
	20	1	8X-4552	6	WASHER (5.16MM THK)						
	21	1	200-0818	1	COVER						
	22	1	192-0815	1	GEAR-SUN (18 TEETH)						
	23	1	137-8849	1	PLATE						
	24	1	200-0819	1	CARRIER-PLANETARY						
	25	1	163-4572	1	PLATE-BEARING						
B	26	1	175-2853	1	SHIM PACK (INCLUDES 14 SHIMS)						
	27	1	6V-8281	1	CUP-ROLLER BEARING						
	28	1	143-4512	1	CONE-TAPERED						
M	29	1	9X-2404	10	BOLT-SOCKET HEAD (M20X2.5X90MM)						
	30	1	8T-3282	10	WASHER-HARD (22X35X3.5MM THK)						
M	31	1	6V-3668	11	BOLT (M12X1.75X30MM)						
M	32	1	8T-4194	4	BOLT (M12X1.75X50MM)						
	33	1	8M-3837	1	PLUG-MAGNETIC						
	34	1	5F-1678	1	SEAL-O-RING						
	35	1	5K-7696	1	PLUG						
	36	1	3J-1907	1	SEAL-O-RING						
	37	1	6V-1746	2	DOWEL						
B	38	1	1U-8846		SEALANT-GASKET						
	39	1	185-3653	1	WASHER-THRUST						
	40	1	1S-3889	1	WASHER-PLUG						

B-USE AS REQUIRED
M-METRIC PART

POWER TRAIN

192-0822 WHEEL & FINAL DRIVE GP (contd.)

i01493844



GRAPHIC #1

g00775695

FRAME AND BODY

197-6885 BUMPER GP-REAR

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7156

i01627889

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6M-1622	2	DOWEL						
Y	2	1	136-5049	1	DRAWBAR GP						380
	4	1	160-4357	1	PLATE						
	5	1	192-8848	1	PLATE AS						
		1	6V-2370	13	RIVET-POP						
	6	1	197-6883	1	BUMPER AS						
	6A	1	5G-6787	1	BOSS						
	6B	1	9C-4935	1	PLATE						
	6C	1	9R-2613	2	BOSS (M10X1.5X25MM)						
	6D	1	5G-6787	1	BOSS						
	6E	1	9R-2613	6	BOSS (M10X1.5X25MM)						
M	6F	1	8T-3597	12	NUT-WELD (M12X1.75 THD)						
	6G	1	9R-2613	3	BOSS (M10X1.5X25MM)						
M	6H	1	8T-3597	12	NUT-WELD (M12X1.75 THD)						
M	6J	1	8T-3597	2	NUT-WELD (M12X1.75 THD)						
	6K	1	9R-2613	3	BOSS (M10X1.5X25MM)						
	7	1	5P-1076	11	WASHER-HARD (13.5X30X4MM THK)						
M	8	1	8C-8723	18	BOLT (M30X3.5X80MM)						
M	9	1	8T-4139	5	BOLT (M12X1.75X30MM)						
M	10	1	8T-4183	2	BOLT (M12X1.75X40MM)						
M	11	1	8T-4194	4	BOLT (M12X1.75X50MM)						
	12	1	9X-8258	18	WASHER (33X56X6MM THK)						

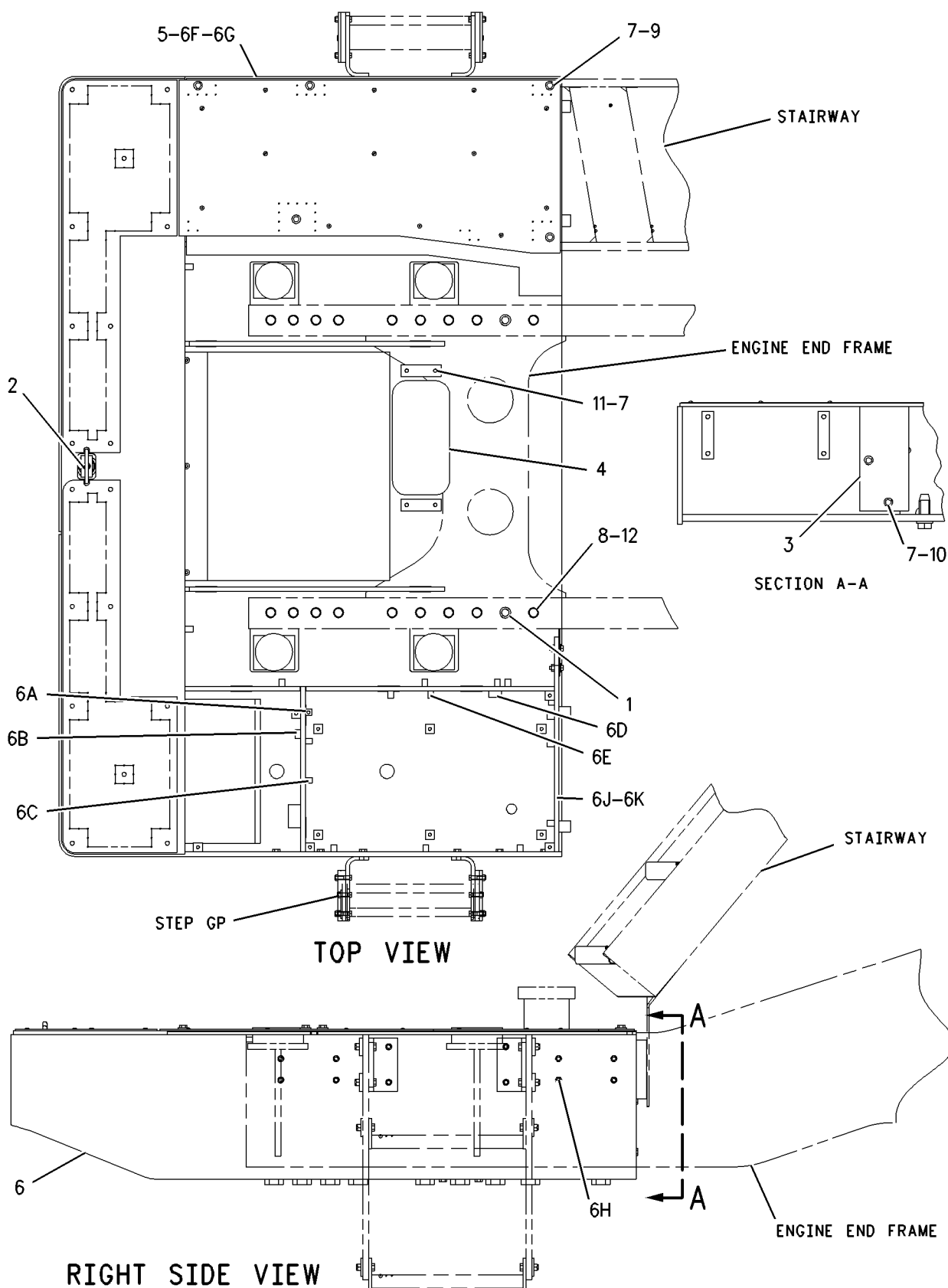
M-METRIC PART

Y-SEPARATE ILLUSTRATION

FRAME AND BODY

197-6885 BUMPER GP-REAR (contd.)

i01627889



GRAPHIC #1

g00843491

FRAME AND BODY

172-0089 COUNTERWEIGHT GP

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7056

i01416968

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
M	8T-4649	8	BOLT (M24X3X140MM)						
	172-3452	2	COUNTERWEIGHT AS-SIDE						
	8T-4167	8	WASHER-HARD (26X44X4MM THK)						
M-METRIC PART									

MEMORANDA

FRAME AND BODY

192-8851 COVER GP - BUMPER

S/N: BPC1-UP

PART OF 153-7044 LADDER GP
AN ATTACHMENT

SMCS-7156

i01478456

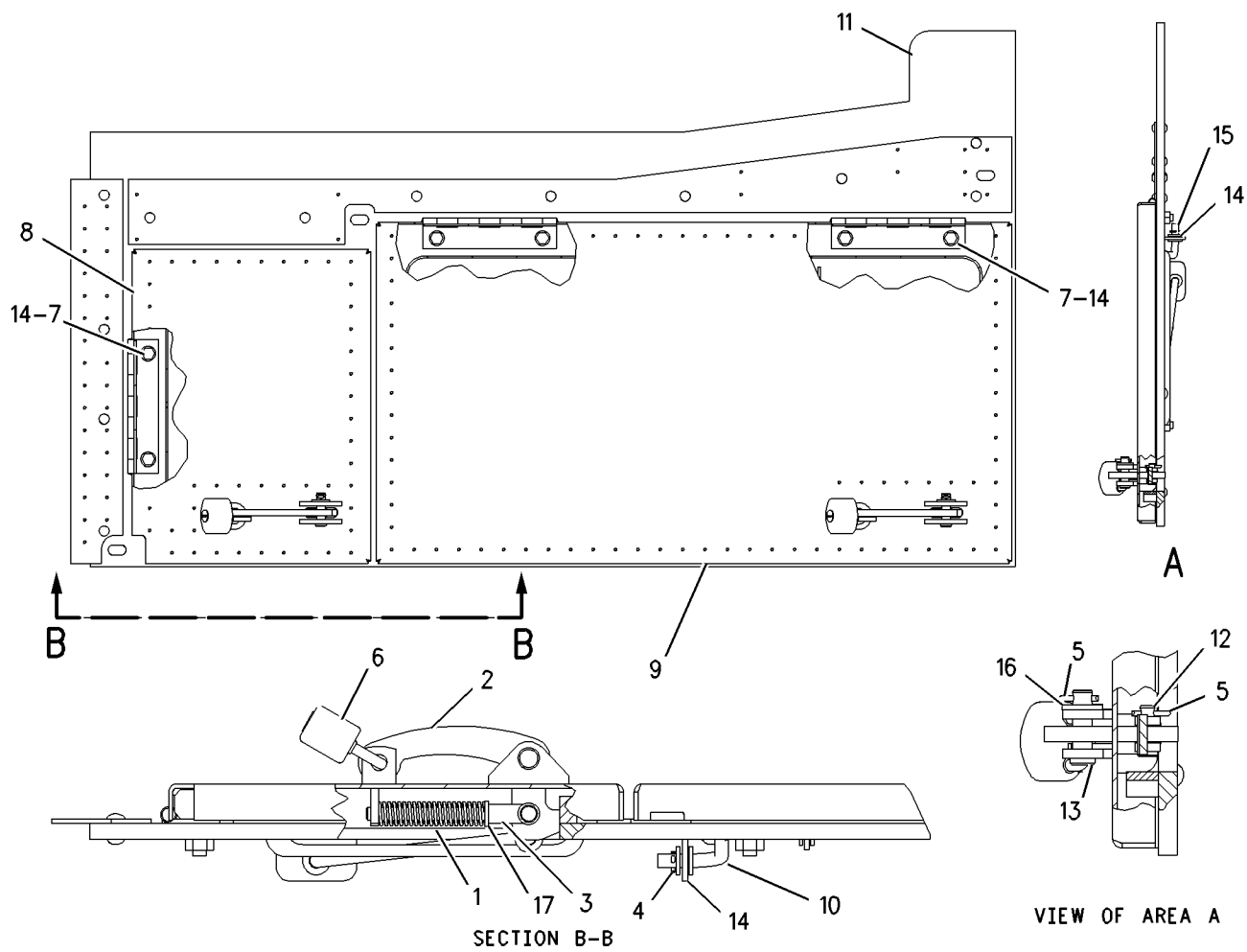
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1B-9920	2	SPRING						
	2	1	1H-7365	2	HANDLE - LATCH						
	3	1	1H-7366	2	PUSHROD - LATCH						
	4	1	3B-4610	2	COTTER						
	5	1	3B-4617	4	COTTER						
	6	1	5P-8502	2	PADLOCK GP						
					(EACH INCLUDES)						
A		1	5P-8500	1	KEY						
A		1	8Y-6364	1	SLEEVE						
M	7	1	8T-4195	6	BOLT (M10X1.5X30MM)						
	8	1	198-9403	1	DOOR AS						
	9	1	198-9406	1	DOOR AS						
					(EACH DOOR AS INCLUDES)						
		1	1H-7262	2	LUG						
		1	1H-7263	2	LUG						
		1	106-9010	2	HINGE						
	10	1	149-8452	1	ROD AS						
	11	1	198-9397	1	PLATE AS						
	12	1	1B-0676	2	PIN						
	13	1	3B-8153	2	PIN-CLEVIS						
	14	1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)						
	15	1	198-9407	1	ROD AS						
	16	1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)						
	17	1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)						

A - NOT PART OF THIS GROUP
M - METRIC PART

FRAME AND BODY

192-8851 COVER GP - BUMPER (contd.)

i01478456



GRAPHIC #1

g00770144

FRAME AND BODY

192-8852 COVER GP - BUMPER

S/N: BPC1-UP

PART OF 142-5799 LADDER GP
AN ATTACHMENT

SMCS-7156

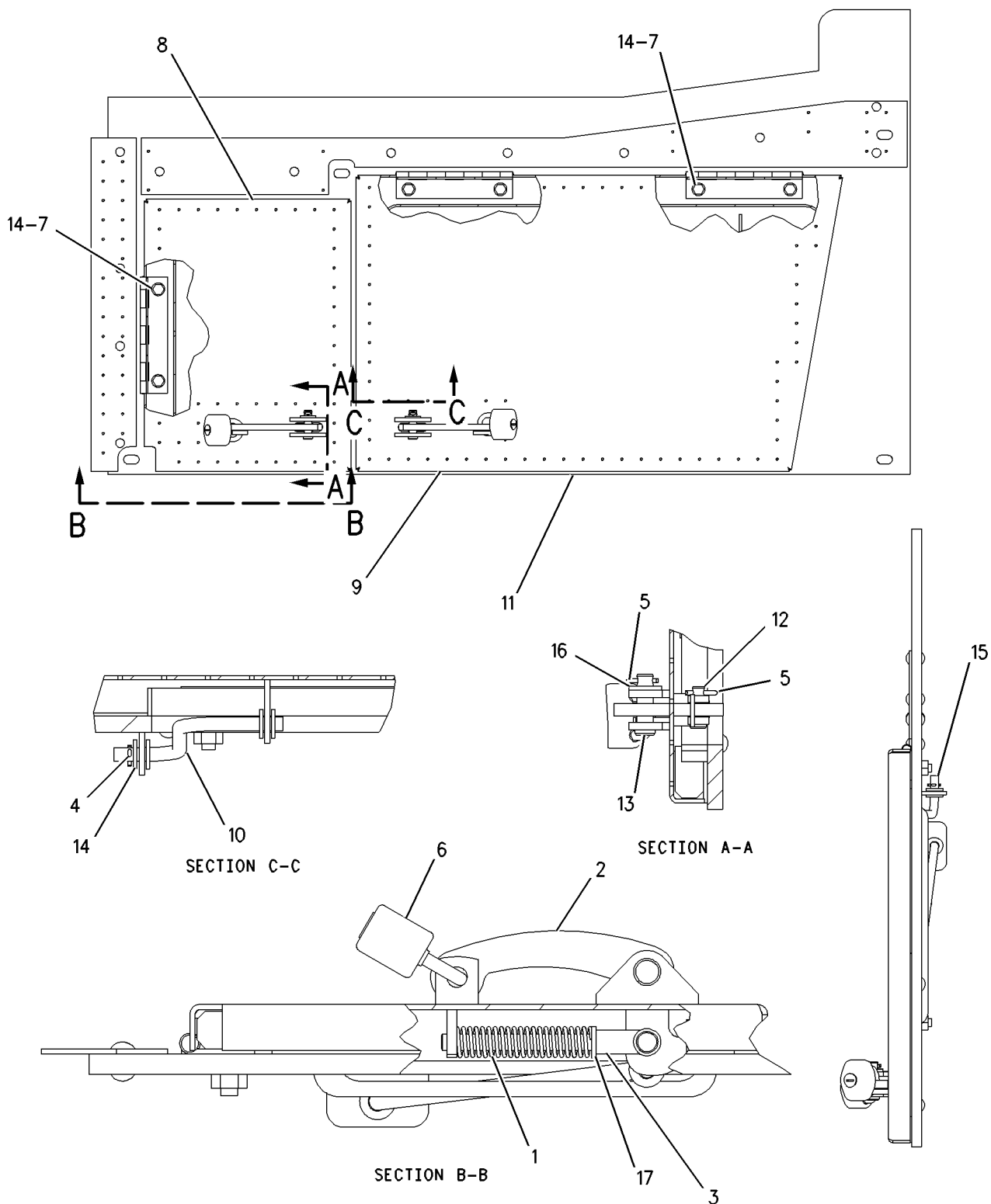
i01524568

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	1B-9920	2	SPRING	
	2	1	1H-7365	2	HANDLE - LATCH	
	3	1	1H-7366	2	PUSHROD - LATCH	
	4	1	3B-4610	2	COTTER	
	5	1	3B-4617	4	PIN - COTTER	
	6	1	5P-8502	2	PADLOCK GP	
					(EACH INCLUDES)	
A		1	5P-8500	1	KEY	
A		1	8Y-6364	1	SLEEVE	
M	7	1	8T-4195	8	BOLT (M10X1.5X30MM)	
	8	1	198-9403	1	DOOR AS	
	9	1	198-9412	1	DOOR AS	
					(EACH DOOR ASSEMBLY INCLUDES)	
		1	1H-7262	2	LUG	
		1	1H-7263	2	LUG	
		1	106-9010	2	HINGE	
10		1	149-8452	1	ROD AS	
		1	8T-4121	3	WASHER-HARD (11X21X2.5MM THK)	
11		1	198-9408	1	PLATE AS	
12		1	1B-0676	2	PIN	
13		1	3B-8153	2	PIN-CLEVIS	
14		1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)	
15		1	198-9407	1	ROD AS	
16		1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)	
17		1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
A - NOT PART OF THIS GROUP						
M - METRIC PART						

FRAME AND BODY

192-8852 COVER GP - BUMPER (contd.)

i01524568



GRAPHIC #1

g00770162

FRAME AND BODY

142-2617 COVER GP-CONTROL VALVE

S/N: BPC1-UP

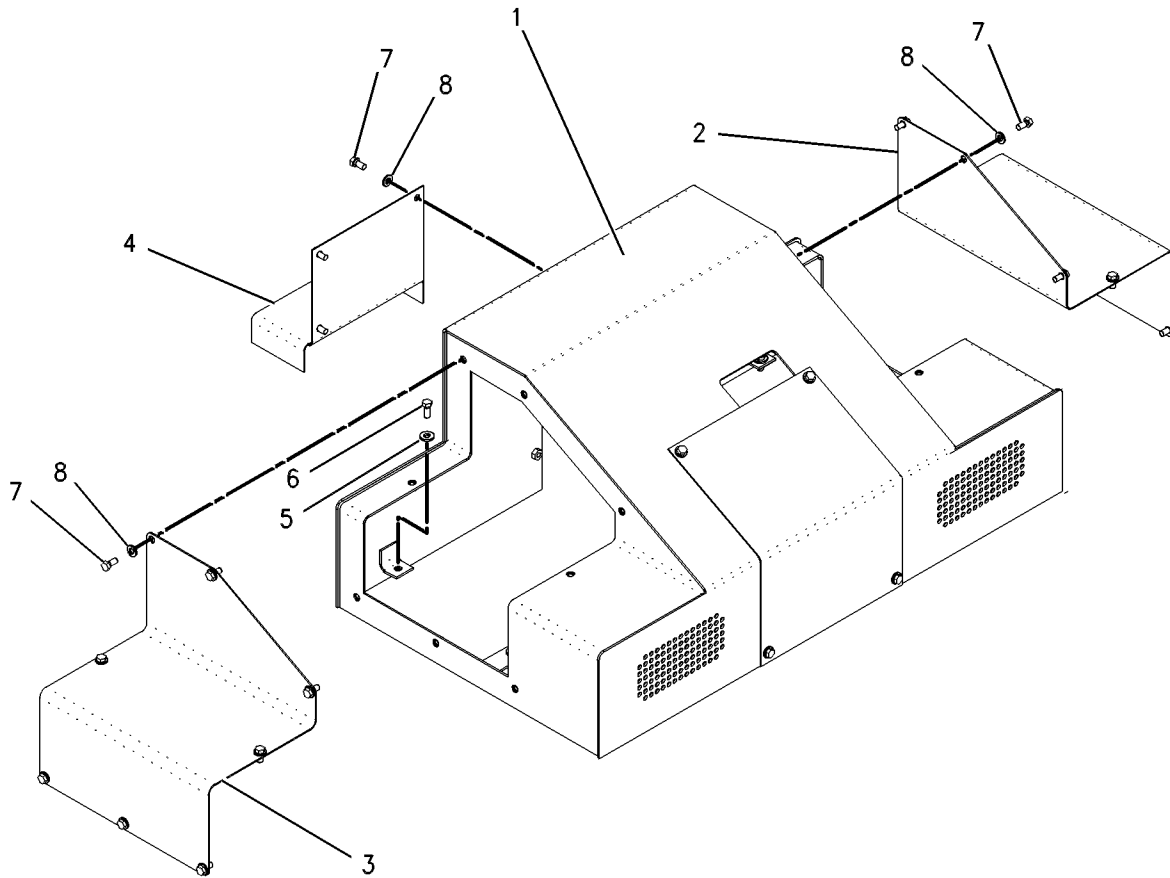
PART OF 203-1568 CHASSIS AR

SMCS-7150

i01096794

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	170-8731	1	COVER AS						
M		1	8T-3597	23	NUT-WELD (M12X1.75 THD)						
	2	1	171-6099	1	COVER-LH						
	3	1	171-6100	1	COVER-RH						
	4	1	172-3374	1	COVER						
	5	1	5P-1076	4	WASHER-HARD (4MM THK)						
M	6	1	8T-4139	4	BOLT (M12X1.75X30MM)						
M	7	1	8T-4192	23	BOLT (M12X1.75X25MM)						
	8	1	8T-4223	23	WASHER-HARD (3MM THK)						

M-METRIC PART



GRAPHIC #1

g00580681

MEMORANDA

FRAME AND BODY

163-8033 DOOR GP-ACCESS-HOOD SIDE

S/N: BPC1-UP

PART OF 114-5122 HOOD & GUARD GP

SMCS-7273

i01505338

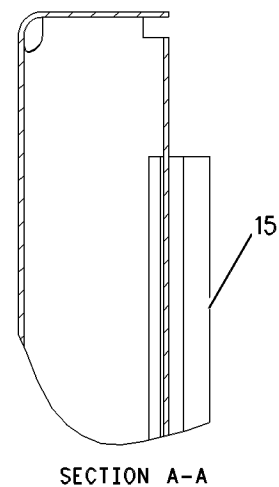
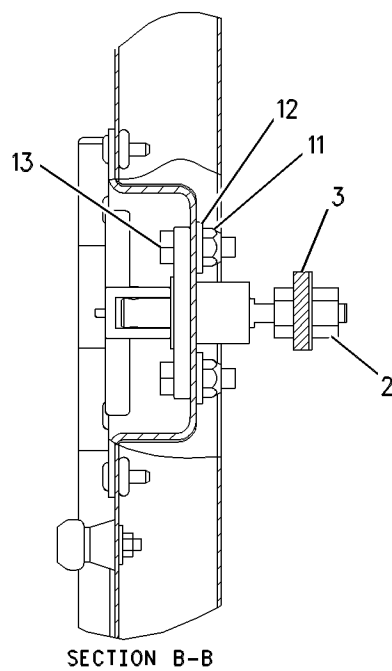
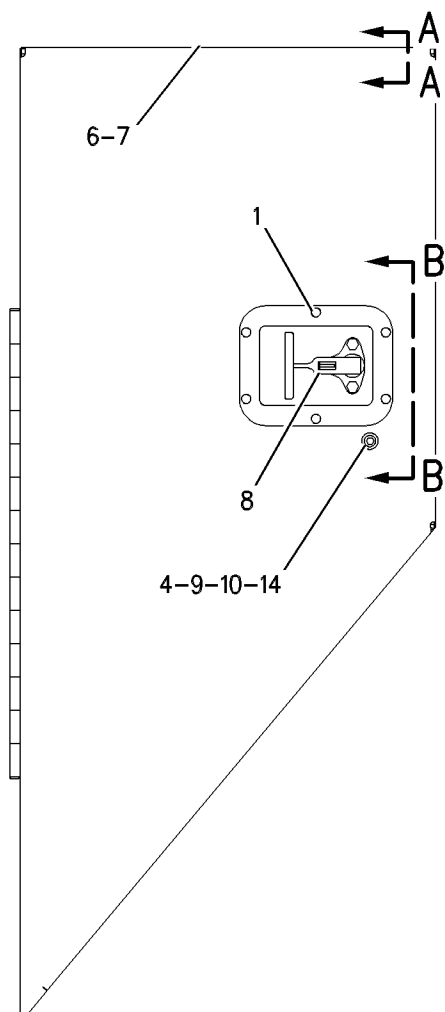
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-2370	12	RIVET-POP						
M	2	1	139-6366	4	NUT (M14X2 THD)						
	3	1	8T-1578	2	PAWL						
	4	1	9R-8538	2	PLUNGER-LATCH						
	6	1	142-7008	1	DOOR AS-RH						
	7	1	142-7009	1	DOOR AS-LH						
	8	1	160-6328	2	LATCH AS						
					(EACH INCLUDES)						
		1	7X-0766	1	SPRING-LATCH						
		1	8Y-3999	1	BRACKET-MOUNTING						
		1	8Y-3998	1	HANDLE-LATCH						
		1	8Y-3966	1	WASHER (14.7X35X1.57MM THK)						
		1	8Y-8306	1	SHAFT-LATCH						
		1	6H-3956	1	PIN						
M	9	1	5C-2890	2	NUT (M6X1 THD)						
	10	1	5P-4115	2	WASHER-HARD (7.2X19X2MM THK)						
M	11	1	6V-7744	4	LOCKNUT (M10X1.5 THD)						
	12	1	7X-7729	4	WASHER (11X25X3MM THK)						
M	13	1	8T-4195	4	BOLT (M10X1.5X30MM)						
M	14	1	8T-4971	2	BOLT (M6X1X30MM)						
D	15	1	5P-7483		SEAL (1.3M)						

D-ORDER BY THE METER
M-METRIC PART

FRAME AND BODY

163-8033 DOOR GP-ACCESS (contd.)

i01505338



GRAPHIC #1

g00554599

FRAME AND BODY

178-8883 DOOR GP-ACCESS-RADIATOR GUARD SIDE

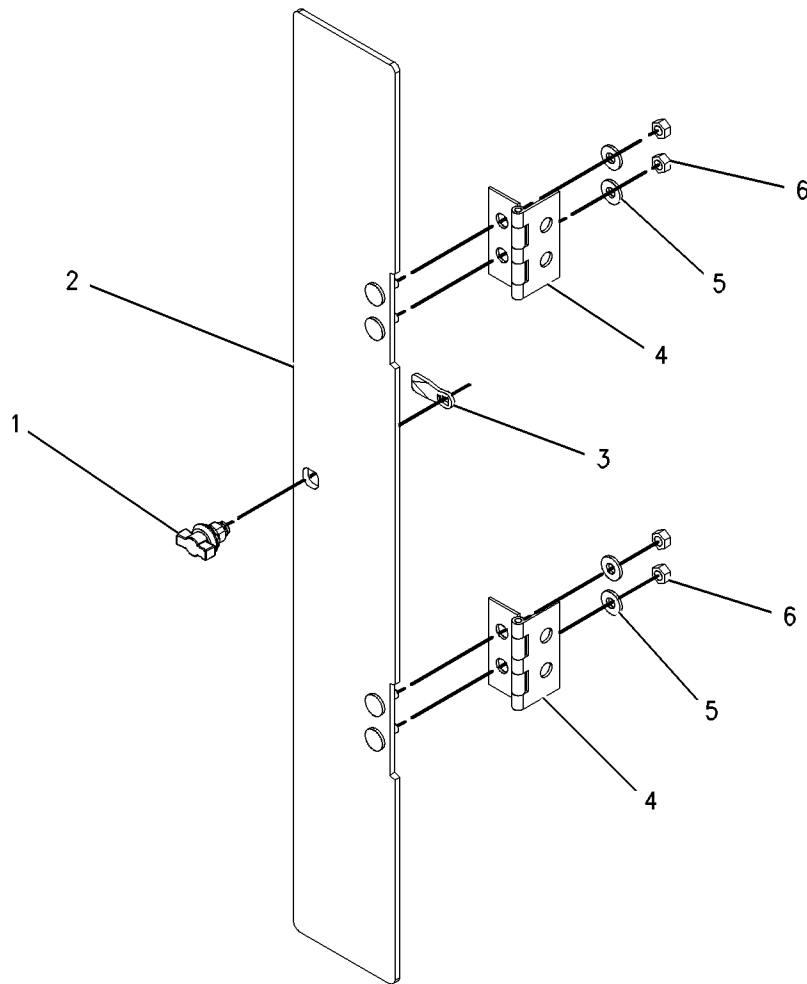
S/N: BPC1-UP

PART OF 114-5123 GUARD GP-RADIATOR

SMCS-7273

i01345818

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	174-6381	1	LATCH AS						
	2	1	178-8884	1	PLATE AS						
M		1	8T-5413	4	STUD-WELD (M10X1.5X25MM OAL)						
	3	1	178-8885	1	CAM-LATCH						
	4	1	178-8886	2	HINGE AS						
	5	1	7X-7729	4	WASHER (3MM THK)						
M	6	1	8T-4133	4	NUT (M10X1.50 THD)						
M-METRIC PART											



GRAPHIC #1

g00712540

FRAME AND BODY

180-9272 DOOR GP-ACCESS

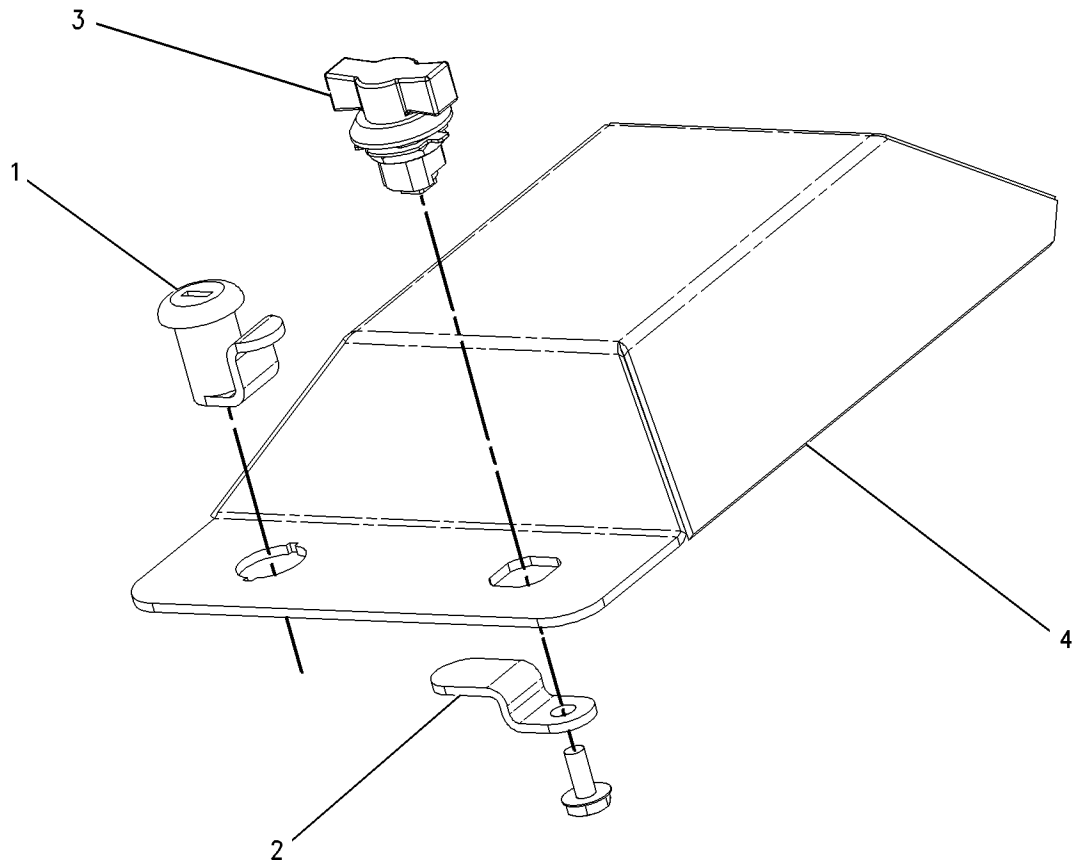
S/N: BPC1-UP

PART OF 114-5122 HOOD & GUARD GP

SMCS-7273

i01287128

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
J	1	1	8C-3468	1	LOCK AS-CYLINDER						
		1	7F-9223	1	LOCKWASHER (0.91MM THK)						
		1	8T-5004	2	SCREW-MACHINE (1/4-28X0.375IN)						
	2	1	125-8176	1	CAM-LATCH						
	3	1	174-6381	1	LATCH AS						
	4	1	180-9270	1	COVER AS						
		1	9V-3659	1	HINGE						
J-REQUIRES 5P8500 KEY											



GRAPHIC #1

g00686202

FRAME AND BODY

136-5049 DRAWBAR GP

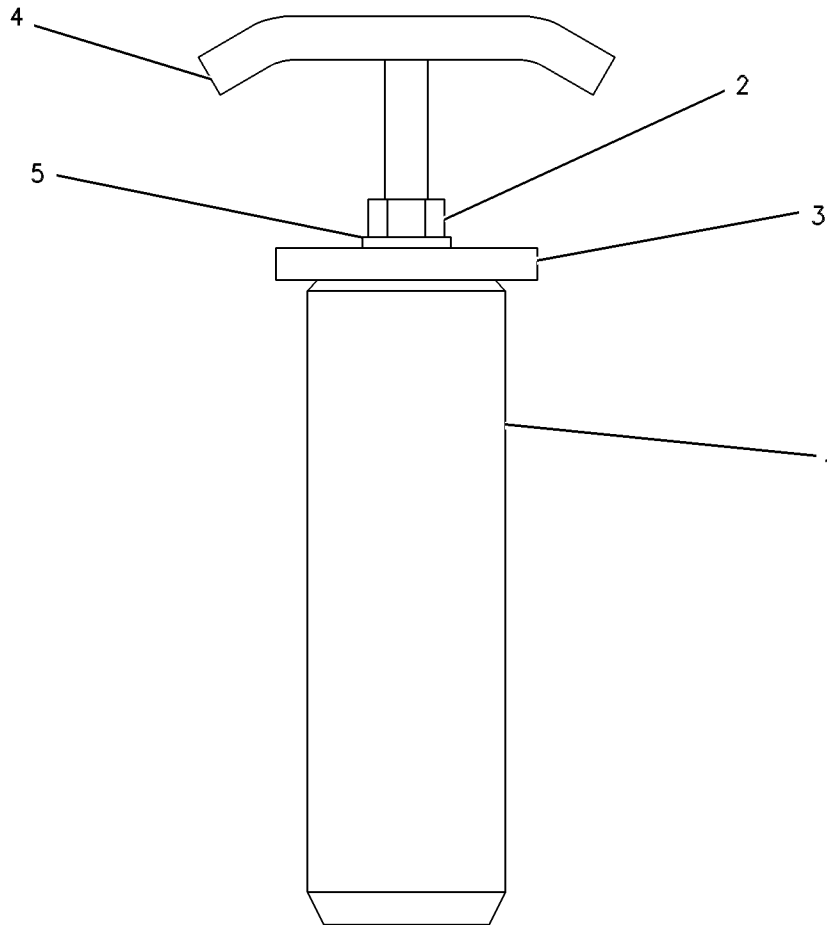
S/N: BPC1-UP

PART OF 197-6885 BUMPER GP-REAR

SMCS-7105, 7119

i00778711

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1V-0134	1	PIN						
	2	1	6V-8188	1	NUT (1/2-13 THD)						
	3	1	4V-1074	1	PLATE						
	4	1	140-3673	1	HANDLE AS						
	5	1	8T-4223	1	WASHER-HARD (3MM THK)						



GRAPHIC #1

g00296184

FRAME AND BODY

171-1293 FENDER GP-FRONT-EXTENDED COVERAGE

S/N: BPC1-UP

PART OF 193-0759 LADDER AR

CANNOT BE USED WITH 172-4799-PAGE 382

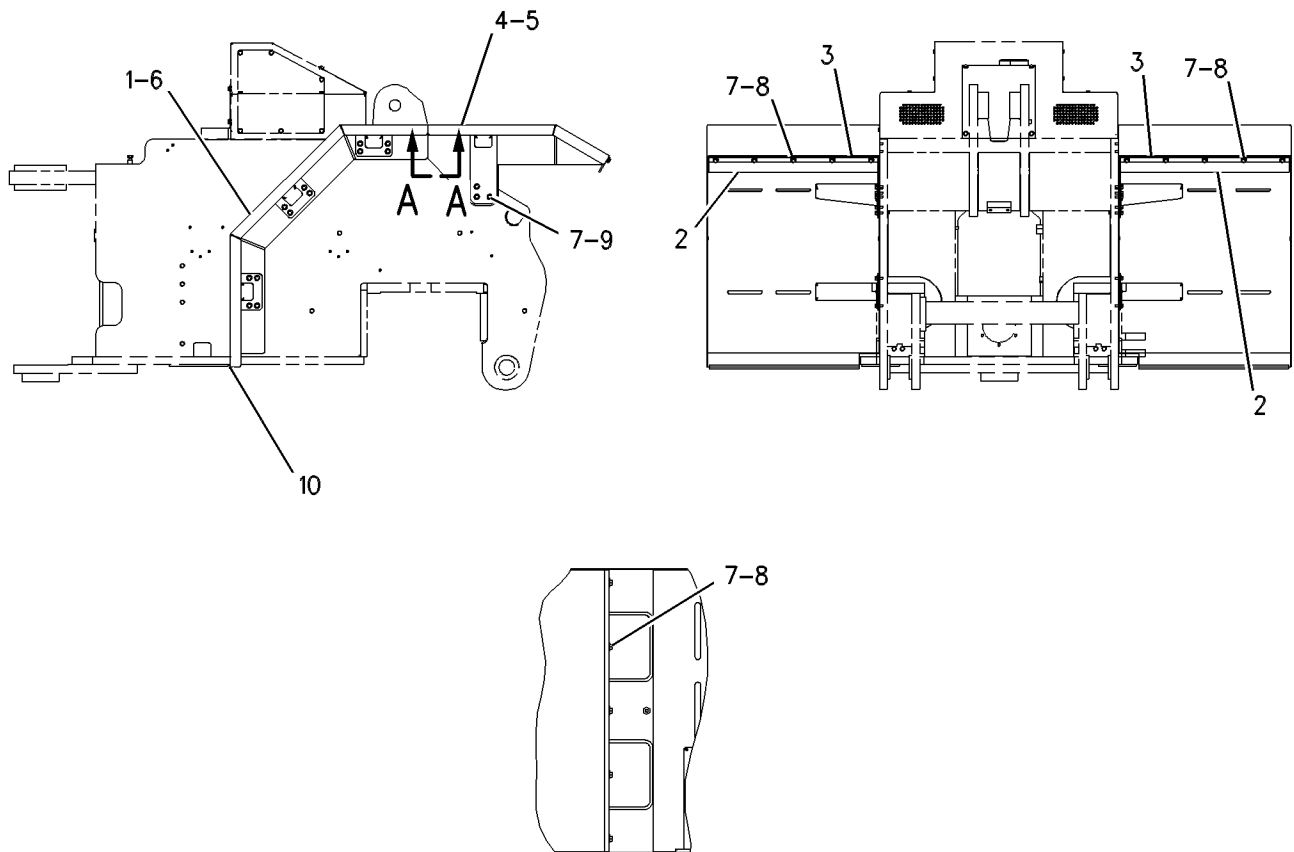
AN ATTACHMENT

SMCS-7252

i01287304

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	171-1292	2	FENDER AS-LH	
	2	1	171-2826	2	FLAP	
	3	1	171-2827	2	STRIP	
	4	1	172-4797	2	EXTENSION AS-RH	
	5	1	172-4798	2	EXTENSION AS-LH	
	6	1	171-1291	2	FENDER AS-RH	
	7	1	5P-1076	2	WASHER-HARD (4MM THK)	
M	8	1	7X-7478	2	BOLT-LOCKING (M12X1.75X35MM)	
M	9	1	8T-4956	2	BOLT (M12X1.75X35MM)	
D	10	1	5P-7211	2	SEAL (.867M EACH)	

D-ORDER BY THE METER
M-METRIC PART



SECTION A-A

GRAPHIC #1

g00650811

FRAME AND BODY

172-4799 FENDER GP-FRONT

S/N: BPC1-UP

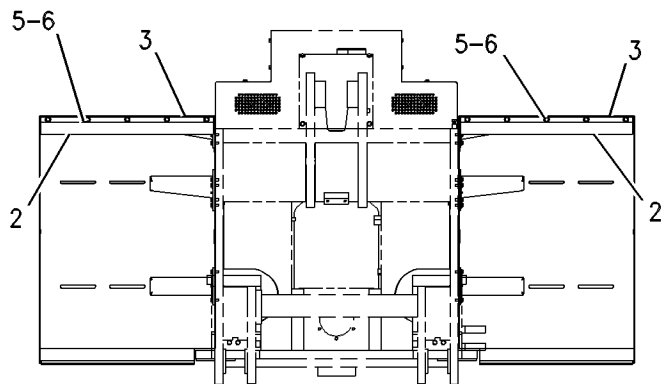
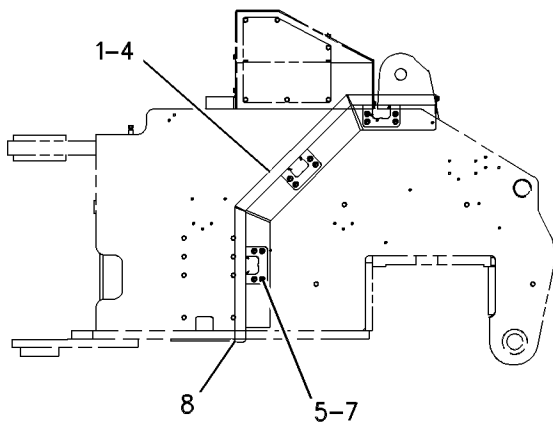
PART OF 193-0754 LADDER & FENDER AR
CANNOT BE USED WITH 171-1293-PAGE 381
AN ATTACHMENT

SMCS-7252

i01500301

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	171-1292	1	FENDER AS-LH	
	2	1	171-2826	2	FLAP	
	3	1	171-2827	2	STRIP	
	4	1	171-1291	1	FENDER AS-RH	
	5	1	5P-1076	34	WASHER-HARD (13.5X30X4MM THK)	
M	6	1	7X-7478	10	BOLT-LOCKING (M12X1.75X35MM)	
M	7	1	8T-4956	24	BOLT (M12X1.75X35MM)	
D	8	1	5P-7211		SEAL (.18M)	

D-ORDER BY THE METER
M-METRIC PART



GRAPHIC #1

g00631253

MEMORANDA

FRAME AND BODY

142-5800 FENDER GP-REAR

S/N: BPC1-UP

PART OF 193-0759 LADDER AR

CANNOT BE USED WITH 142-5799—PAGE 404, 153-7044—PAGE 408, 170-7318—PAGE 402
AN ATTACHMENT

SMCS-7252

i01595542

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	142-5795	1	SHEET AS-LH	
	2	1	142-5797	1	SHEET AS-LH	
		1	6V-1635	4	RIVET-POP	
	3	1	142-5798	1	PLATE AS-LH	
		1	6V-1635	4	RIVET-POP	
Y	4	1	142-5799	1	LADDER GP	404
	5	1	142-5804	2	SHEET	
	6	1	142-5805	1	SHEET AS-RH	
	7	1	142-5807	1	SHEET AS-RH	
		1	6V-1635	4	RIVET-POP	
	8	1	142-5808	1	PLATE AS-RH	
		1	6V-1635	4	RIVET-POP	
	9	1	146-8351	1	SHEET-LH	
	10	1	146-8352	1	SHEET-RH	
	11	1	146-8353	1	SHEET-LH	
	12	1	146-8354	1	SHEET-RH	
	13	1	7X-7729	32	WASHER (11X25X3MM THK)	
M	14	1	8T-4133	36	NUT (M10X1.5 THD)	
M	15	1	8T-4136	36	BOLT (M10X1.5X25MM)	
	16	1	174-5807	16	RIVET-POP	
	17	1	142-5803	4	STRIP	
	18	1	142-5809	4	FLAP	

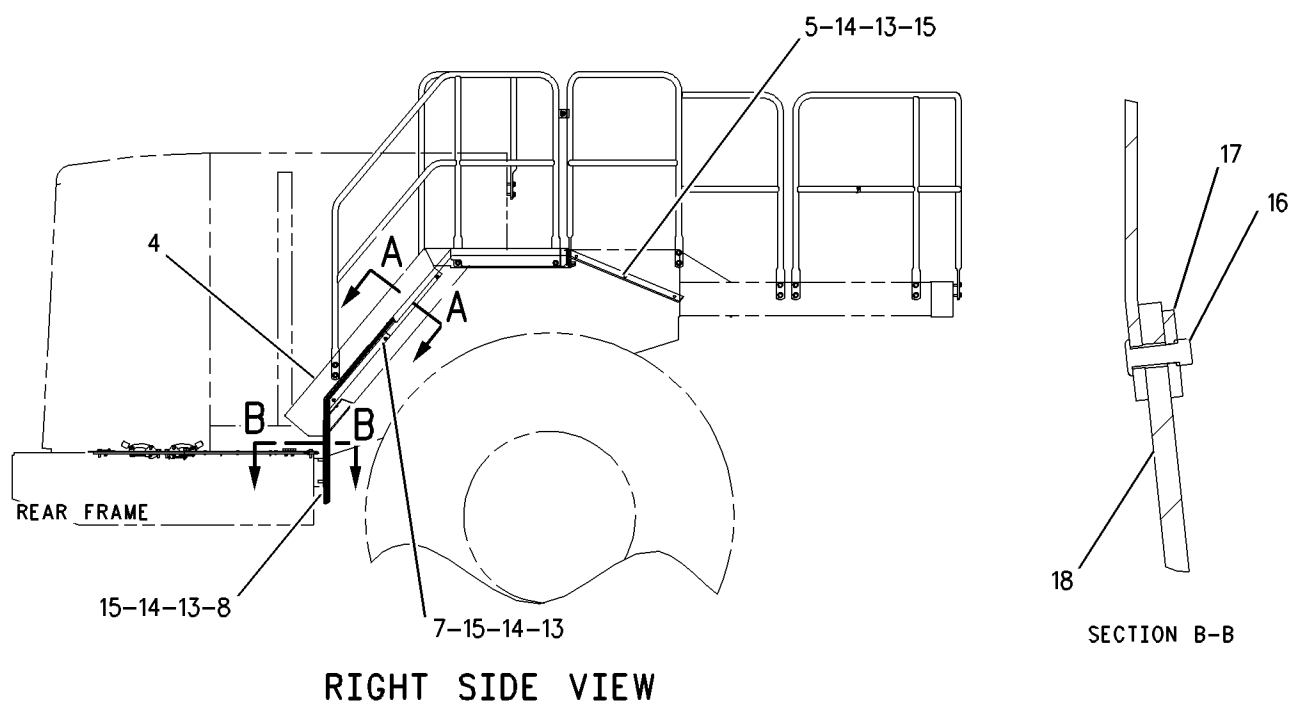
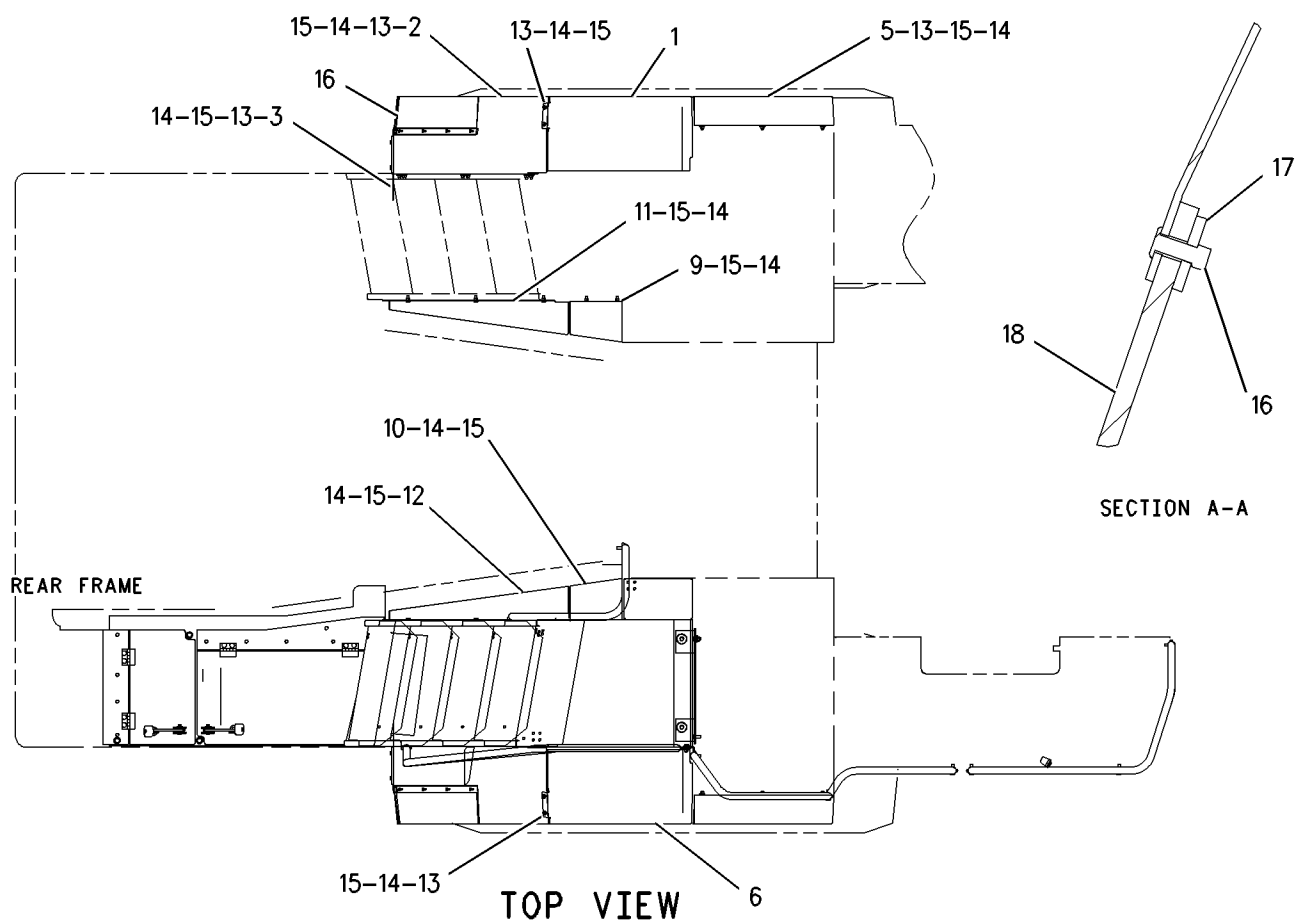
M-METRIC PART

Y-SEPARATE ILLUSTRATION

FRAME AND BODY

142-5800 FENDER GP-REAR (contd.)

i01595542



GRAPHIC #1

g00826899

FRAME AND BODY

114-5126 FIREWALL GP

S/N: BPC1-UP

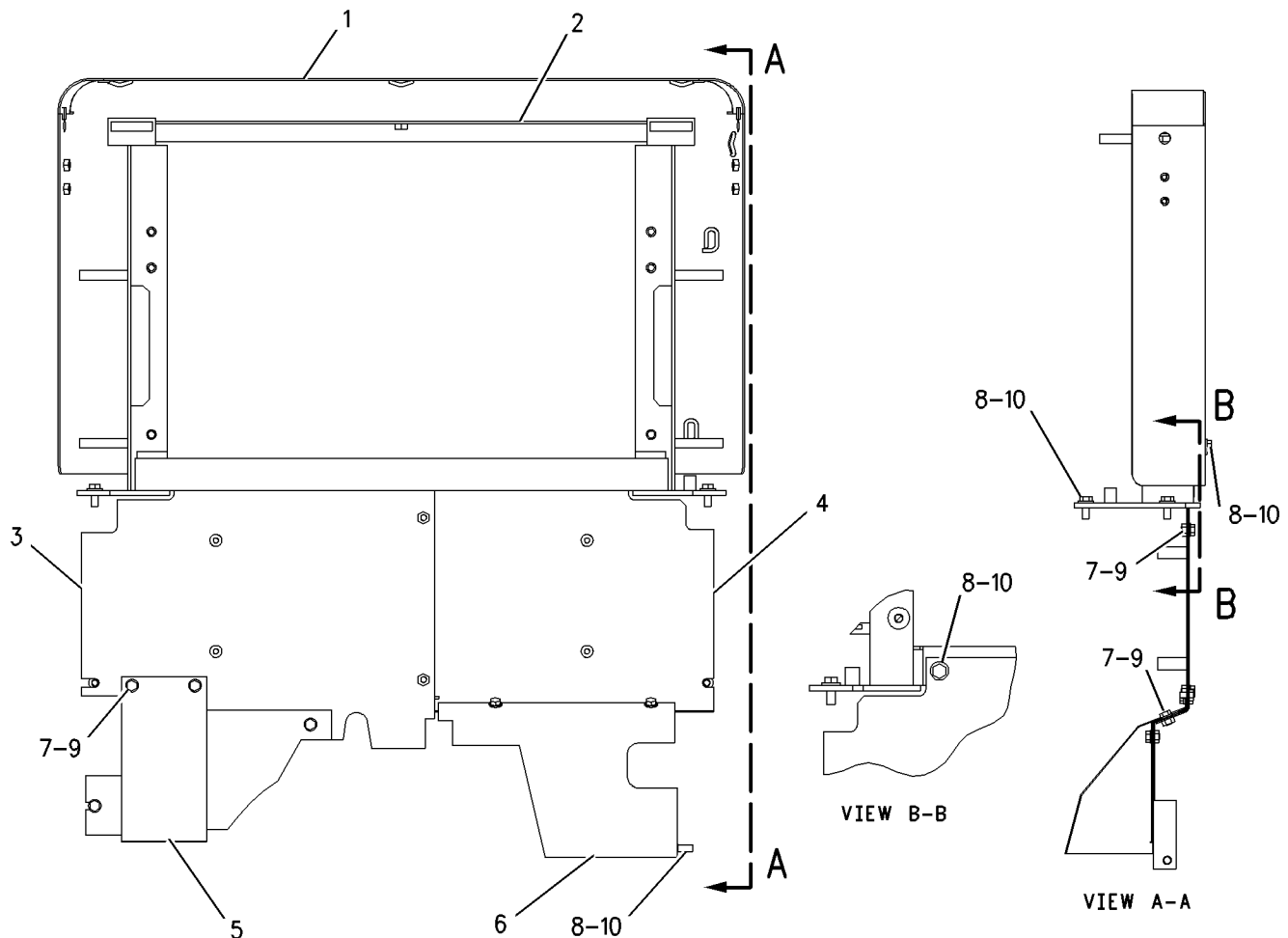
PART OF 203-1568 CHASSIS AR

SMCS-7262

i01493701

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	180-4533	1	PANEL AS						
		1	7T-1099	6	LINK						
M		1	8T-3490	4	NUT-WELD (M10X1.5 THD)						
	2	1	142-5017	1	SUPPORT AS						
M		1	8T-3597	4	NUT-WELD (M12X1.75 THD)						
		1	9R-2613	1	BOSS (M10X25MM)						
	3	1	144-9528	1	SHEET AS						
		1	138-6108	2	SPACER (45MM THK)						
M		1	8T-3490	5	NUT-WELD (M10X1.5 THD)						
	4	1	144-9529	1	SHEET AS						
		1	138-6108	2	SPACER (45MM THK)						
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)						
	5	1	144-9530	1	SHEET AS						
	6	1	144-9531	1	SHEET						
	7	1	8T-4121	10	WASHER-HARD (11X21X2.5MM THK)						
M	8	1	8T-4139	10	BOLT (M12X1.75X30MM)						
M	9	1	8T-4191	10	BOLT (M10X1.5X16MM)						
	10	1	8T-4223	10	WASHER-HARD (13.5X25.5X3MM THK)						

M-METRIC PART



GRAPHIC #1

g00775576

FRAME AND BODY

142 - 1760 FRAME AS-FRONT

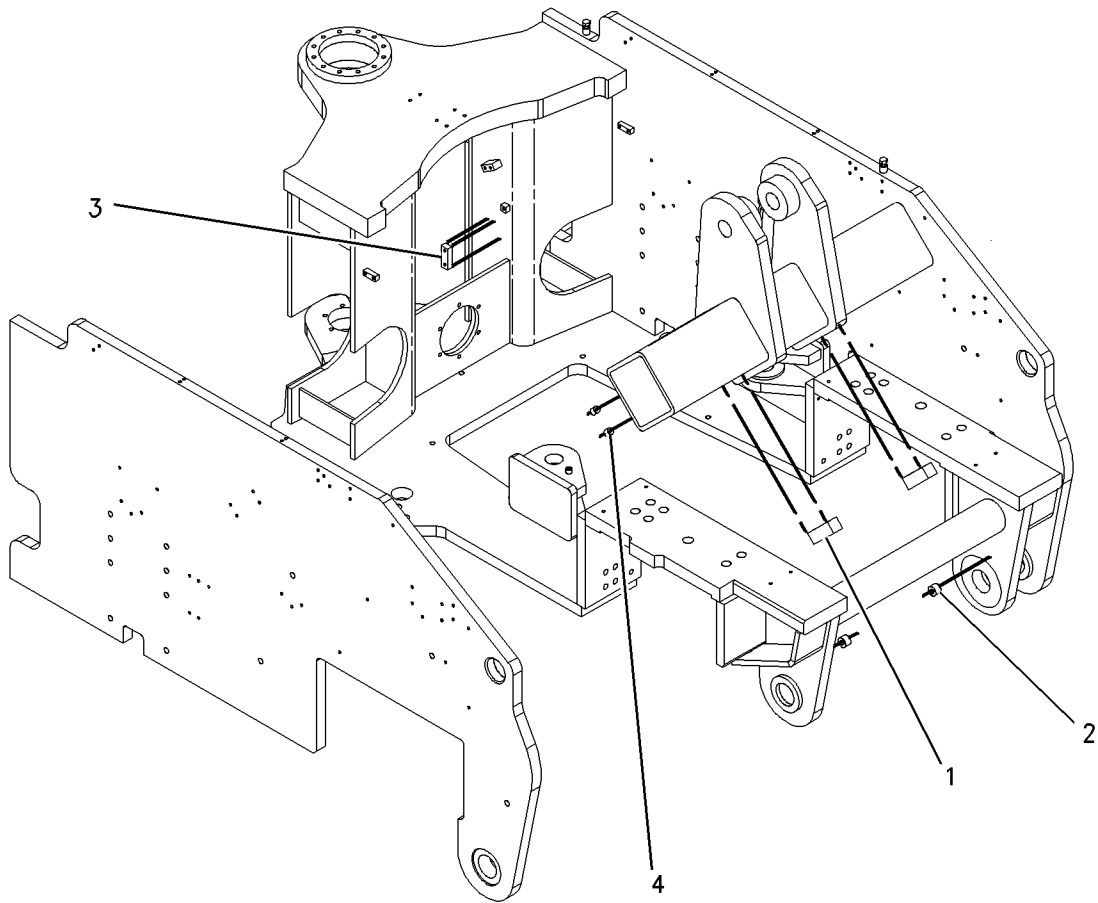
S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7051

i01416879

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4I-3724	2	PLATE						
	2	1	7Y-2319	2	BOSS						
	3	1	9C-4935	1	PLATE						
	4	1	9R-5271	2	BOSS (M10X1.5X25MM)						



GRAPHIC #1

g00744977

FRAME AND BODY

150-1541 GUARD GP-CRANKCASE

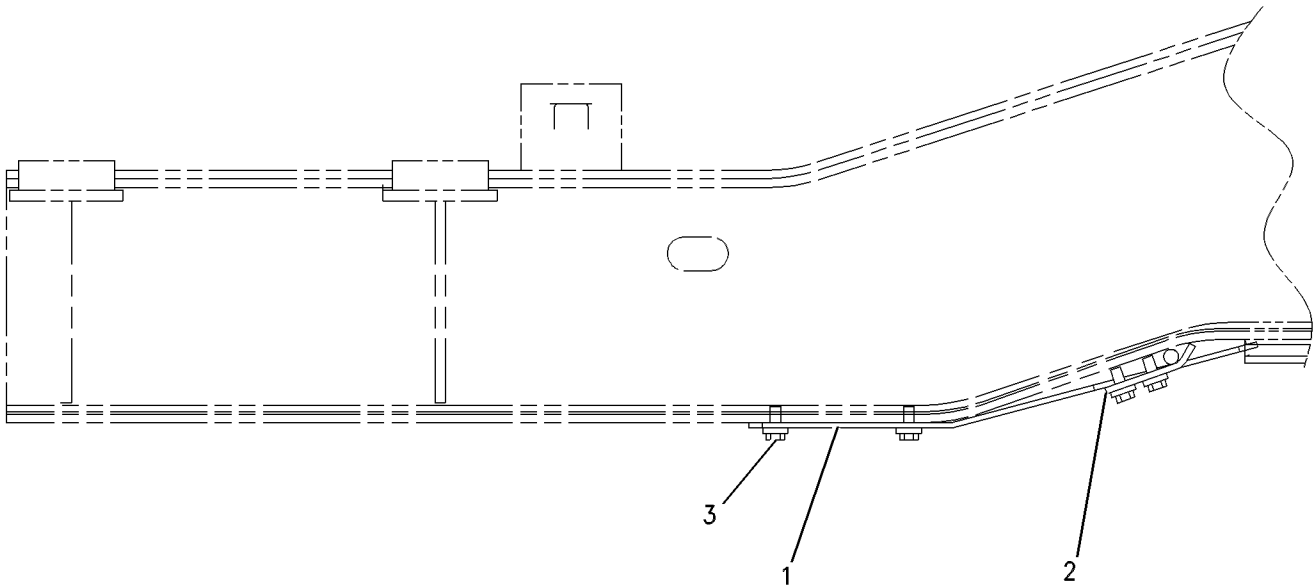
S/N: BPC1-UP

PART OF 164-4871 SUPPRESSION AR-SOUND
AN ATTACHMENT

SMCS-7151

i01323696

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132-7487	1	GUARD AS						
	2	1	185-9956	2	PLATE						
M	3	1	100-3866	8	BOLT-SELF LOCKING (M16X2X40MM)						
M-METRIC PART											



RIGHT SIDE VIEW

GRAPHIC #1

g00510782

FRAME AND BODY

173-7829 GUARD GP-HYDRAULIC TANK

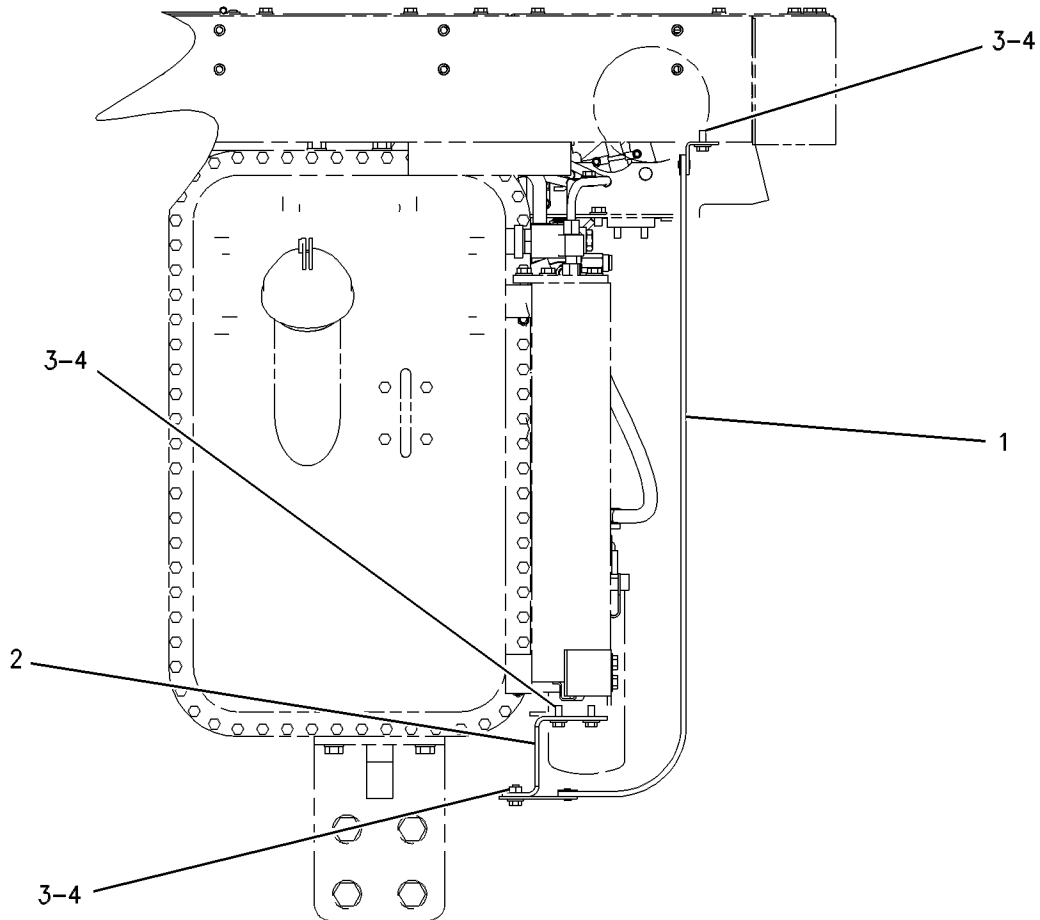
S/N: BPC1-UP

AN ATTACHMENT

SMCS-5056

i01110081

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	158-8032	1	GUARD AS	
		1	6V-1635	8	RIVET-POP	
	2	1	173-6560	1	BRACKET AS	
	3	1	7X-7729	8	WASHER (3MM THK)	
M	4	1	8T-4136	8	BOLT (M10X1.50X25MM)	
M-METRIC PART						



RIGHT SIDE VIEW

GRAPHIC #1

g00589455

FRAME AND BODY

114-5137 GUARD GP-POWER TRAIN

S/N: BPC1-UP

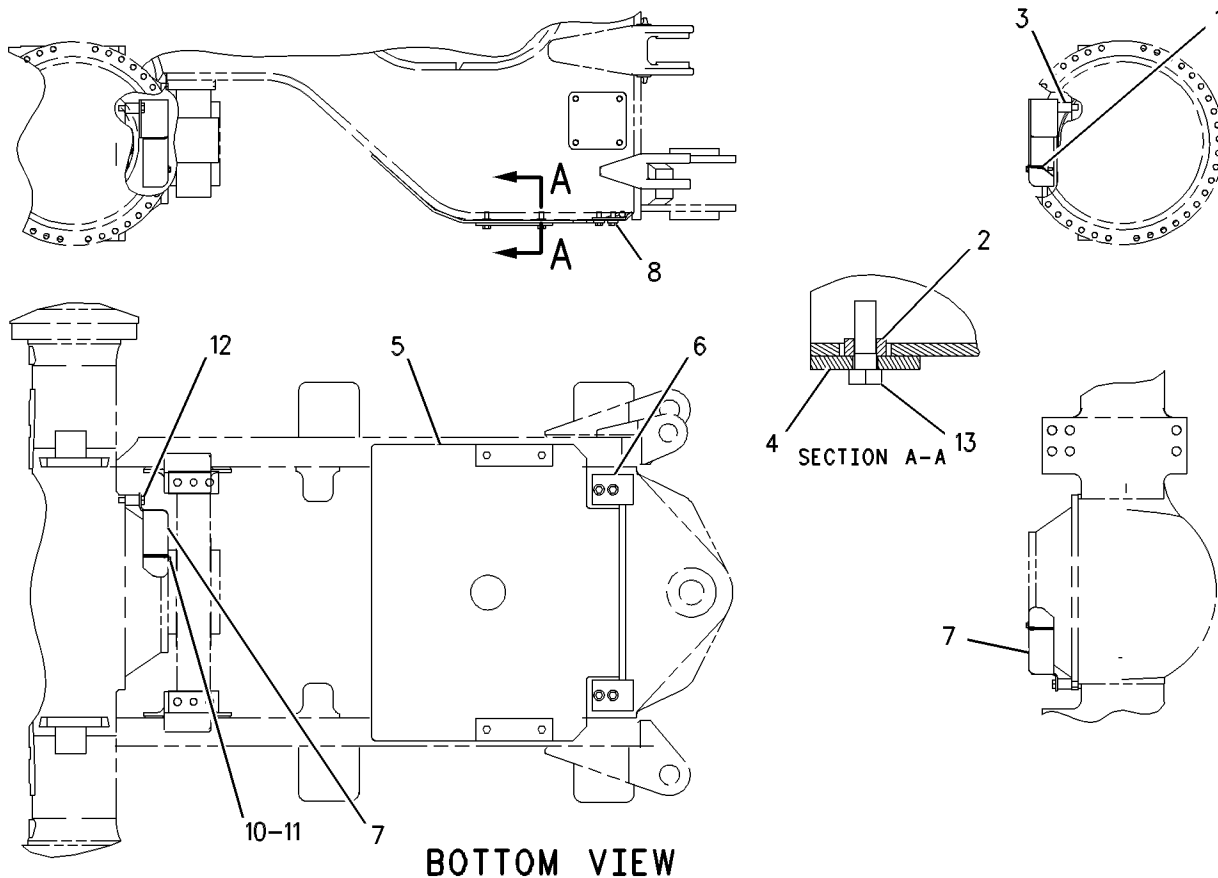
PART OF 203-1568 CHASSIS AR

SMCS-7153

i01323450

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7S-3998	2	SPACER						
	2	1	9D-6134	4	SPACER (12.7MM THK)						
	3	1	9R-8185	2	SPACER (51MM THK)						
	4	1	132-7486	2	PLATE						
	5	1	132-7488	1	GUARD AS						
	6	1	185-9956	2	PLATE						
	7	1	161-0114	2	GUARD						
M	8	1	100-3866	4	BOLT-Self Locking (M16X2X40MM)						
	10	1	7X-7729	2	WASHER (3MM THK)						
M	11	1	8T-4178	2	BOLT (M10X1.5X90MM)						
M	12	1	8T-4187	2	BOLT (M20X2.5X80MM)						
M	13	1	8T-4193	4	BOLT (M16X2.0X50MM)						

M-METRIC PART



BOTTOM VIEW

GRAPHIC #1

g00508943

MEMORANDA

FRAME AND BODY

114-5123 GUARD GP-RADIATOR

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7155

i01500775

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	8Y-5743	2	SOCKET-LATCH	
	2	1	134-2782	4	BRACKET AS	
					(EACH INCLUDES)	
M		1	8T-3597	2	NUT-WELD (M12X1.75 THD)	
	3	1	138-0966	1	GUARD AS	
	4	1	142-7022	1	COVER AS	
	5	1	153-1804	1	GRILL AS-BOTTOM	
	6	1	153-3570	1	GRILL AS-TOP	
Y	7	1	178-8883	2	DOOR GP-ACCESS (RADIATOR GUARD SIDE)	378
M	8	1	5C-9553	2	BOLT (M6X1X16MM)	
	9	1	5P-1076	12	WASHER-HARD (13.5X30X4MM THK)	
	10	1	5P-4115	2	WASHER-HARD (7.2X19X2MM THK)	
	11	1	7X-0515	16	WASHER-HARD (17X35X5MM THK)	
	12	1	8T-4121	12	WASHER-HARD (11X21X2.5MM THK)	
M	13	1	7X-2556	16	BOLT (M16X2X100MM)	
M	14	1	8T-4183	12	BOLT (M12X1.75X40 MM)	
M	15	1	8T-4195	12	BOLT (M10X1.5X30MM)	
D	16	1	5P-7211		SEAL (1.495M EACH)	
M	17	1	8T-4137	8	BOLT (M10X1.5X20MM)	
	18	1	7X-7729	8	WASHER (11X25X3MM THK)	
D	19	1	5P-7211		SEAL (1.162M)	

D-ORDER BY THE METER

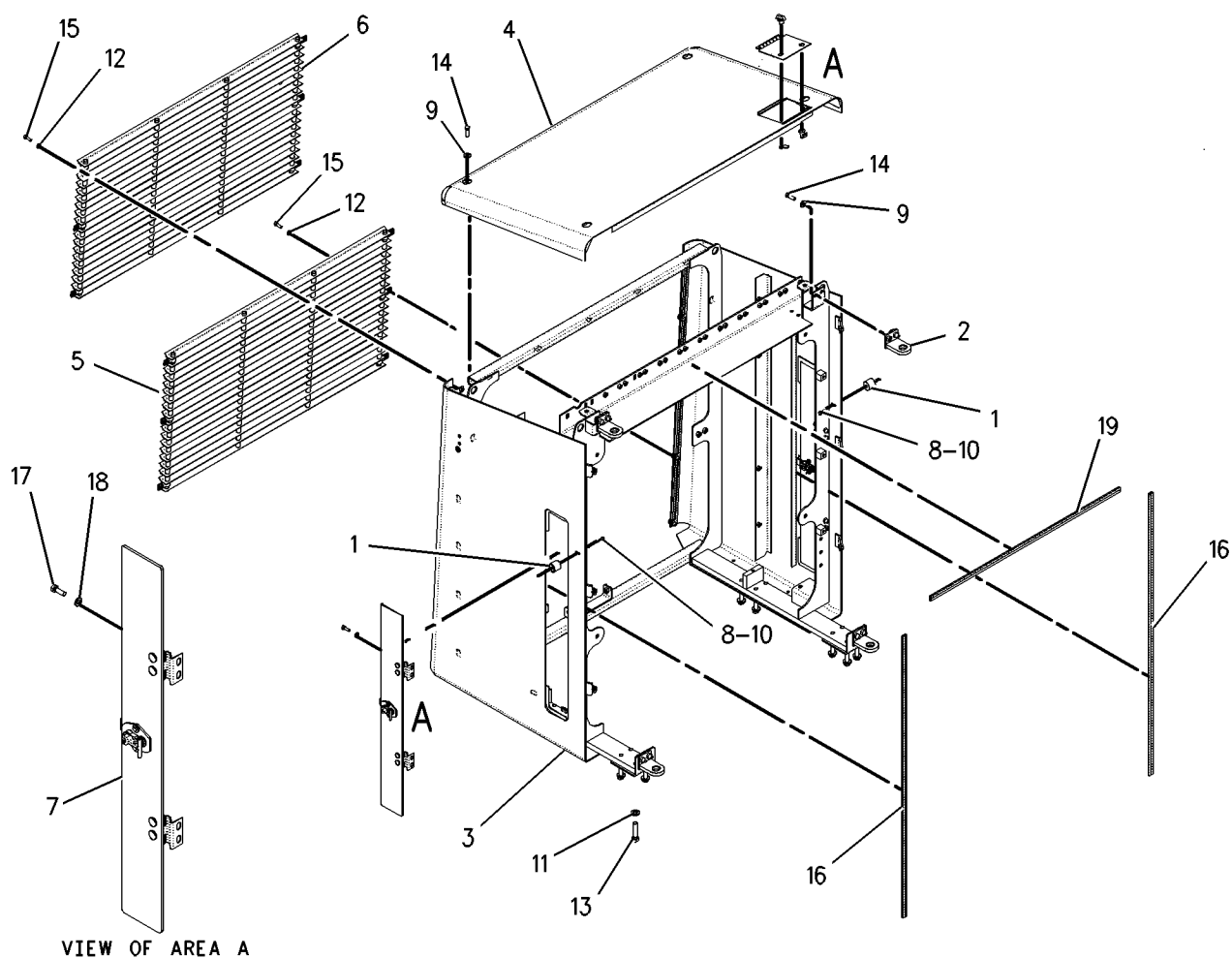
M-METRIC PART

Y-SEPARATE ILLUSTRATION

FRAME AND BODY

114-5123 GUARD GP - RADIATOR (contd.)

i01500775



GRAPHIC #1

g00721123

FRAME AND BODY

171-6786 GUARD GP-REAR

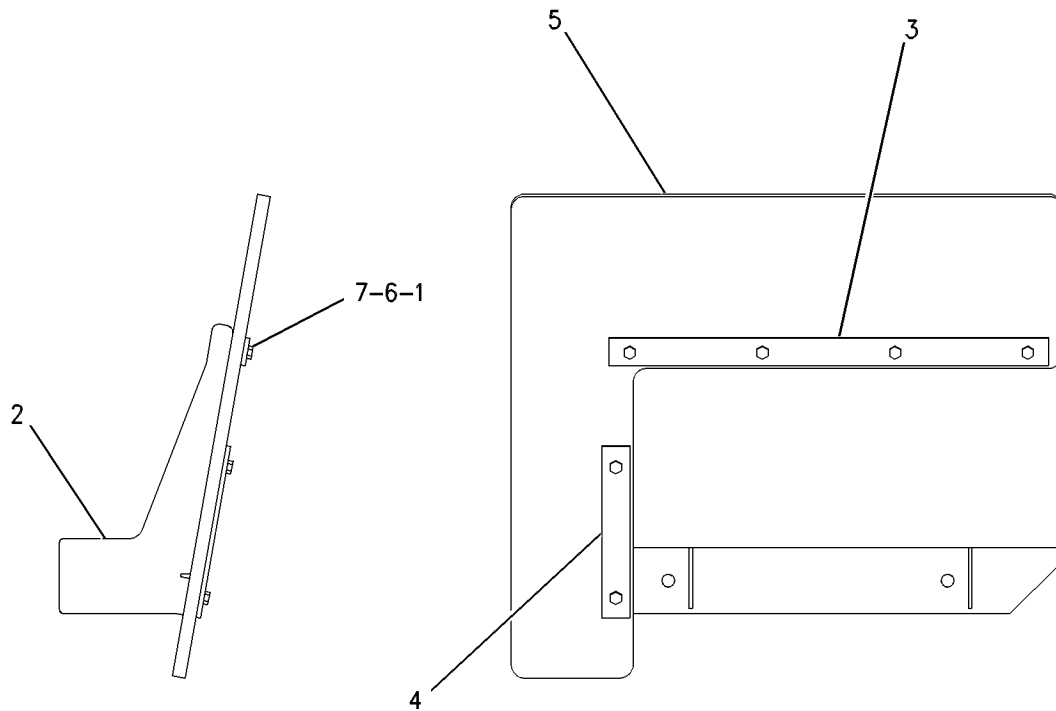
S/N: BPC1-UP

**PART OF 153-7044 LADDER GP
AN ATTACHMENT**

SMCS-7187

i01067637

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2A-2677	6	SPACER-STUD (3/4IN THK)						
	2	1	171-6021	1	SHEET AS						
	3	1	171-6022	1	BAR						
	4	1	171-6023	1	BAR						
	5	1	171-6024	1	FLAP						
M	6	1	8T-4133	6	NUT (M10X1.50 THD)						
M	7	1	8T-4186	6	BOLT (M10X1.50X40MM)						
M-METRIC PART											



GRAPHIC #1

g00560823

MEMORANDA

FRAME AND BODY

114-5118 HITCH GP-ARTICULATING

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7057, 7100

i01329730

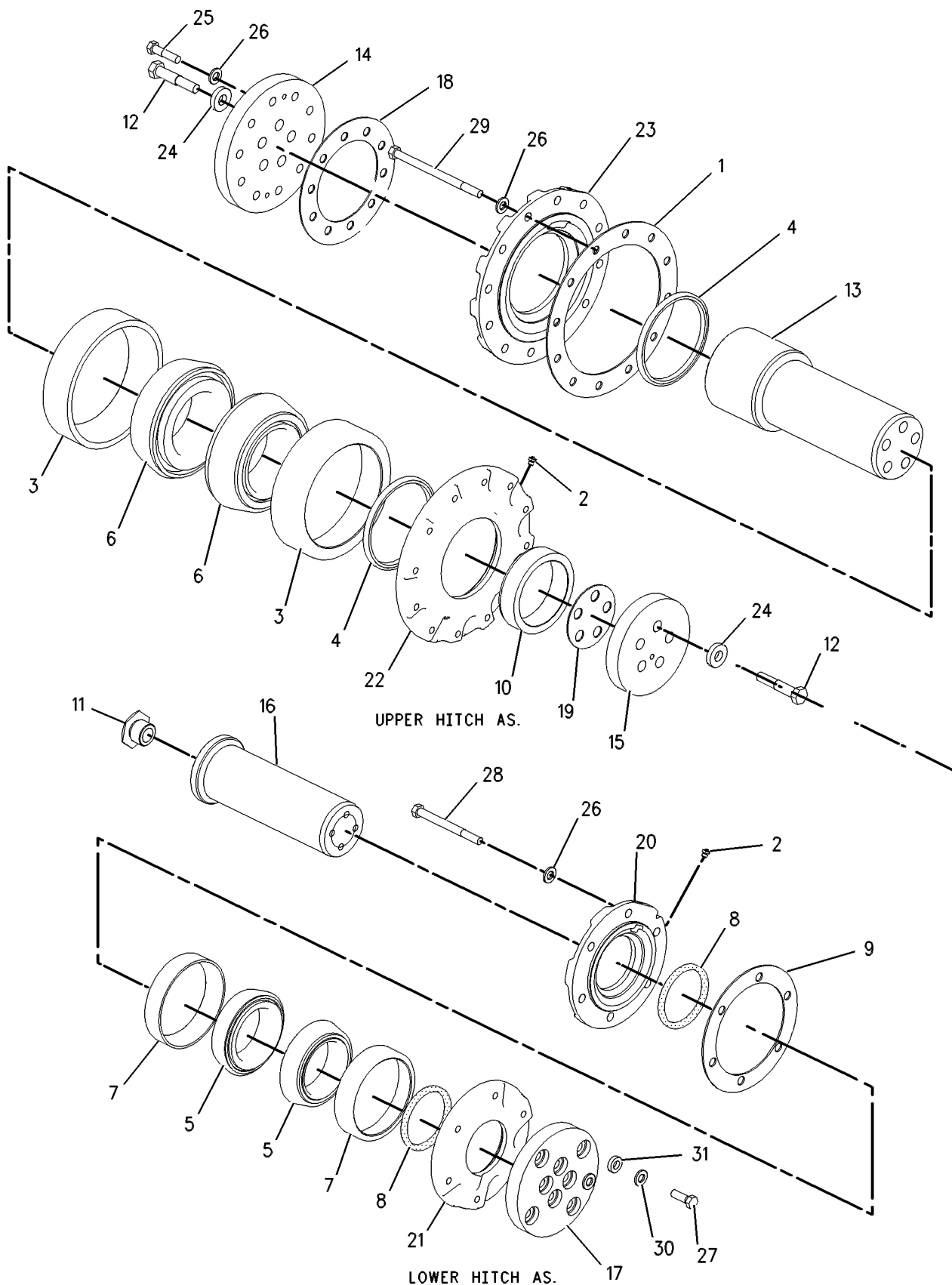
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
B	1	1	3K-6401	1	SHIM PACK (INCLUDES 19 SHIMS)						
	2	1	4B-4550	2	FITTING-RELIEF (1/8-27 PTF)						
	3	1	5P-2525	2	CUP-ROLLER BEARING						
	4	1	5P-2673	2	SEAL-LIP						
	5	1	5P-3723	2	CONE-ROLLER BEARING						
	6	1	5P-9769	2	CONE-ROLLER BEARING						
	7	1	6D-7690	2	CUP-ROLLER BEARING						
	8	1	7K-9212	2	SEAL-LIP (88.9MM ID)						
B	9	1	9K-0721	1	SHIM PACK (INCLUDES 20 SHIMS)						
	10	1	9K-0803	1	SPACER						
	11	1	136-0139	1	CAP						
M	12	1	137-3300	10	BOLT-HEX HEAD						
	13	1	141-2150	1	PIN						
	14	1	141-2151	1	PLATE						
	15	1	141-2152	1	PLATE						
	16	1	141-2153	1	PIN						
	17	1	141-2154	1	PLATE						
B	18	1	141-2155	1	SHIM PACK (INCLUDES 20 SHIMS)						
B	19	1	141-2156	1	SHIM PACK (INCLUDES 26 SHIMS)						
	20	1	142-6984	1	CAP						
	21	1	142-6985	1	CAP						
	22	1	142-6988	1	CAP						
	23	1	142-6989	1	CAP						
	24	1	5P-8247	10	WASHER-HARD (3.5MM THK)						
M	25	1	8T-4194	10	BOLT (M12X1.75X50MM)						
	26	1	8T-4223	32	WASHER-HARD (3MM THK)						
M	27	1	8T-4956	8	BOLT (M12X1.75X35MM)						
M	28	1	8T-5001	6	BOLT (M12X1.75X130MM)						
M	29	1	8T-6991	12	BOLT (M12X1.75X180MM)						
	30	1	5P-1076	4	WASHER-HARD (4MM THK)						
	31	1	1P-2841	4	SPACER (17.5MM THK)						

B-USE AS REQUIRED
M-METRIC PART

FRAME AND BODY

114-5118 HITCH GP-ARTICULATING (contd.)

i01329730



GRAPHIC #1

g00550727

FRAME AND BODY

114-5122 HOOD & GUARD GP

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7251

i01627899

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	5P-8502	2	PADLOCK GP (EACH INCLUDES)	
		1	5P-8500	1	KEY	
		1	8Y-6364	1	SLEEVE	
	2	1	5V-3854	16	BUMPER	
	3	1	6S-6251	8	MOUNT	
	4	2	7G-8839	6	SPACER (13.5X57X6MM THK)	
	5	1,2	7T-8331	10	MOUNTING	
	7	1	134-2775	1	RAIL AS-RH	
	8	1	134-2777	1	RAIL AS-LH	
	9	1	134-2778	1	POST AS-RH	
	10	1	134-2779	1	POST AS-LH	
	11	1	134-2780	1	SUPPORT AS	
	12	1	134-2781	1	SUPPORT AS	
	13	1	143-3669	1	STACK AS-EXHAUST	
Y	14	1	143-9361	1	PANEL GP-SIDE (HOOD-RH)	417
	15	1	145-8130	1	PANEL AS-FLOOR	
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)	
	16	1	146-8902	1	PANEL AS-HOOD	
	17	1	146-8903	1	PANEL AS-HOOD	
	18	1	151-6008	1	GRILL AS-TOP	
	19	1	151-6009	2	GRILL AS-SIDE	
Y	20	1	163-8033	1	DOOR GP-ACCESS (HOOD SIDE)	376
M	21	1,2	8T-4648	10	BOLT (M12X1.75X70MM)	
	22	1,2	5P-1076	14	WASHER-HARD (13.5X30X4MM THK)	
	24	1	6B-6205	8	SPACER (7/8X1-5/16X1-9/32 THK)	
	25	1,2	7X-0590	12	WASHER-HARD (13.5X44.5X6MM THK)	
	26	1,2	7X-7729	38	WASHER (11X25X3MM THK)	
M	27	2	8T-4139	4	BOLT (M12X1.75X30MM)	
M	28	1	8T-4183	4	BOLT (M12X1.75X40MM)	
M	29	1	8T-4185	6	BOLT (M10X1.5X50MM)	
M	31	1,2	8T-4195	30	BOLT (M10X1.5X30MM)	
	32	1	8T-4222	6	WASHER-PLATED (11X32X2.5MM THK)	
	33	1,2	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)	
M	34	1,2	8T-4244	10	NUT (M12X1.75 THD)	
M	35	1	8T-4910	2	BOLT (M12X1.75X60MM)	
M	36	1	8T-6466	8	BOLT (M10X1.50X60MM)	
Y	37	1	180-9272	1	DOOR GP-ACCESS (HOOD TOP)	379

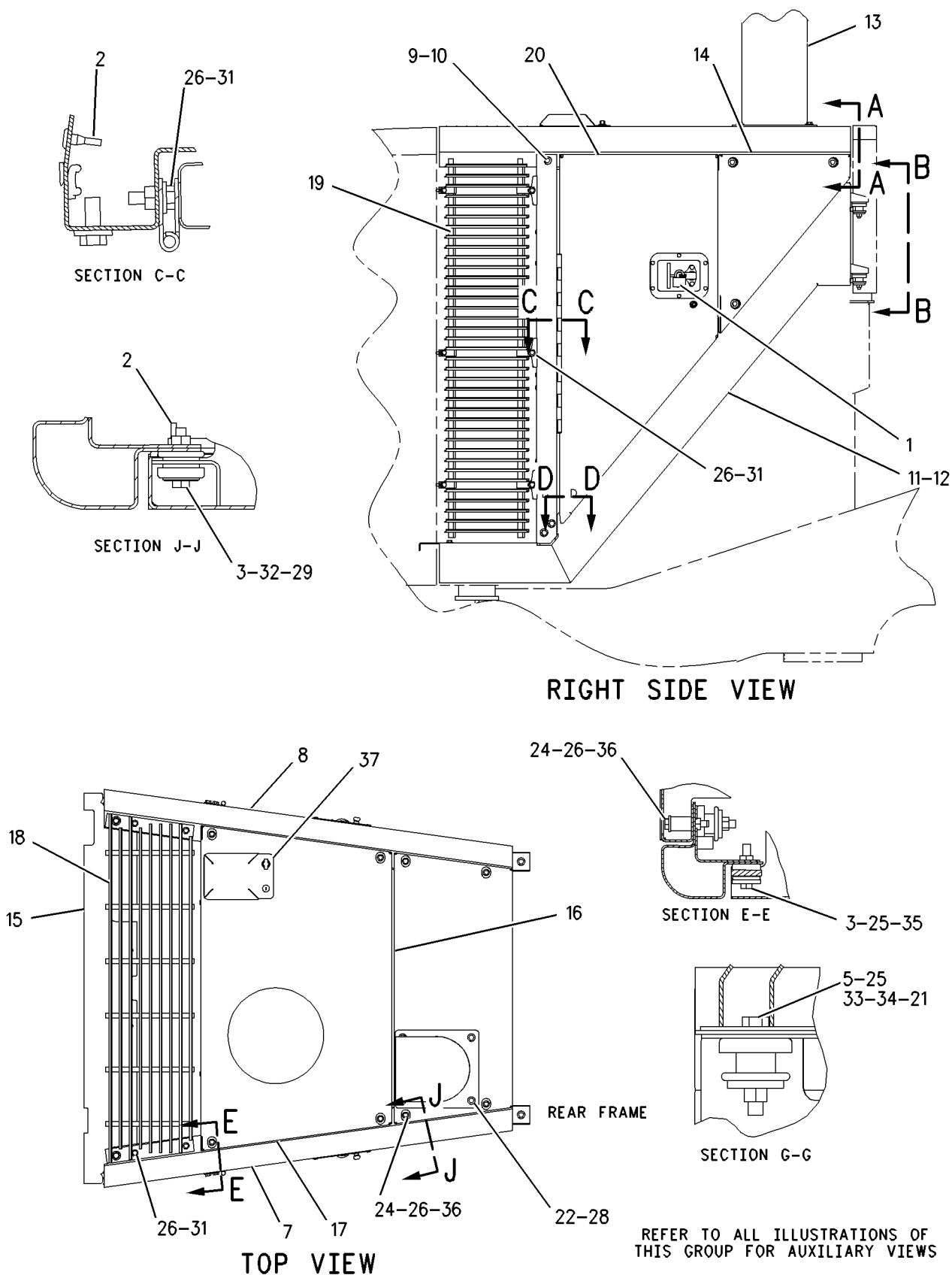
M-METRIC PART

Y-SEPARATE ILLUSTRATION

FRAME AND BODY

114-5122 HOOD & GUARD GP (contd.)

i01627899



GRAPHIC #1

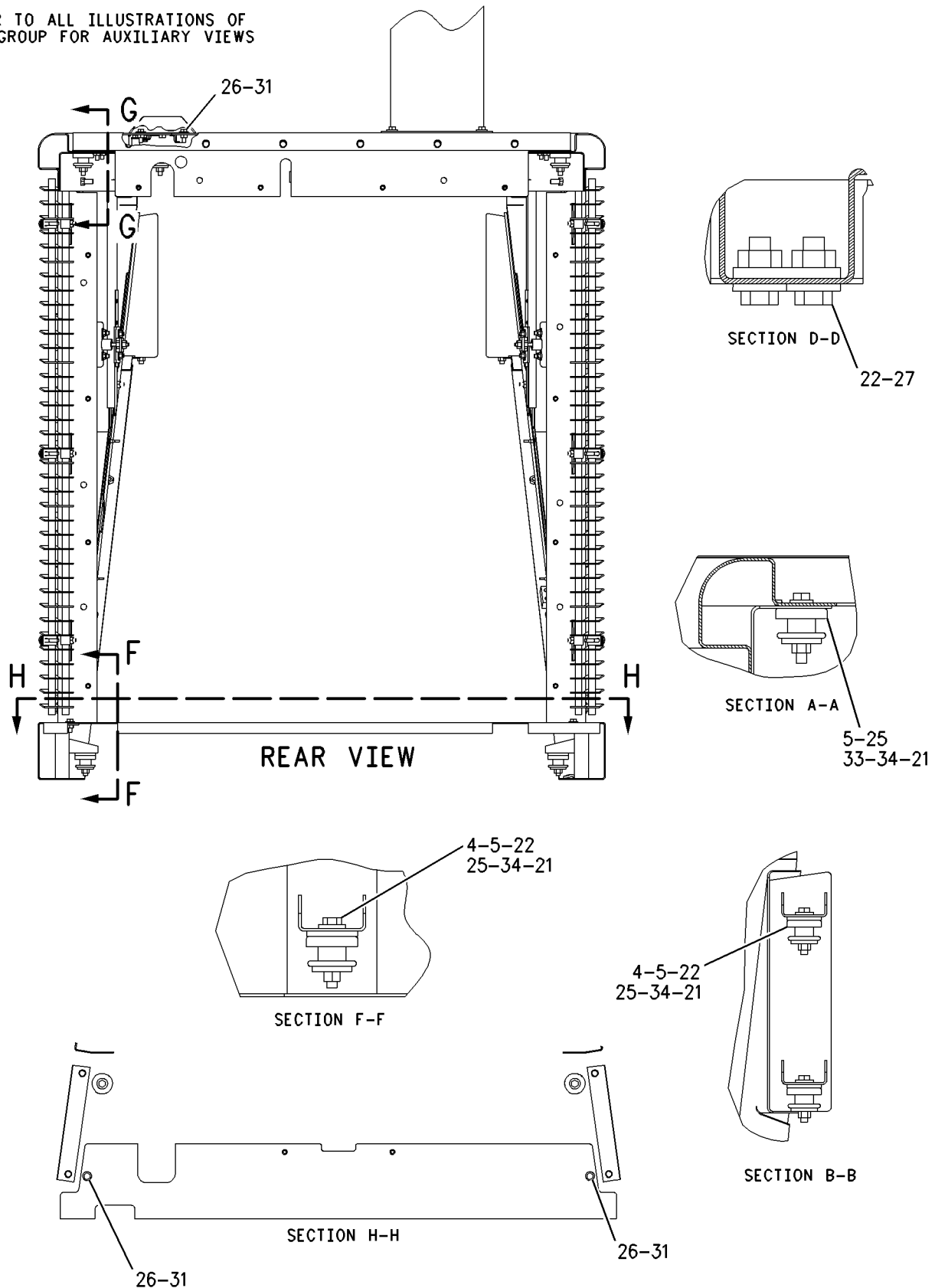
g00786794

FRAME AND BODY

114-5122 HOOD & GUARD GP (contd.)

i01627899

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



GRAPHIC #2

g00786795

FRAME AND BODY

193-0754 LADDER & FENDER AR

S/N: BPC1-UP

CANNOT BE USED WITH 193-0759 LADDER AR
AN ATTACHMENT

SMCS-7252, 7254

i01367198

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	172-4799	1	FENDER GP - FRONT						382
Y	170-7318	1	LADDER AR						402
Y-SEPARATE ILLUSTRATION									

FRAME AND BODY

170-7318 LADDER AR

S/N: BPC1-UP

PART OF 193-0754 LADDER & FENDER AR

CANNOT BE USED WITH 142-5799 LADDER GP, 142-5800 FENDER GP
AN ATTACHMENT

SMCS-7254

i01109739

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	153-7044	1	LADDER GP						408
Y	170-7315	1	LADDER GP						412
Y-SEPARATE ILLUSTRATION									

FRAME AND BODY

193-0759 LADDER AR

S/N: BPC1-UP

CANNOT BE USED WITH 193-0754 LADDER & FENDER AR
AN ATTACHMENT

SMCS-7254

i01367186

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	171-1293	1	FENDER GP - FRONT						381
Y	142-5800	1	FENDER GP - REAR						384
Y-SEPARATE ILLUSTRATION									

FRAME AND BODY

142-5799 LADDER GP

S/N: BPC1-UP

PART OF 142-5800 FENDER GP-REAR

CANNOT BE USED WITH 170-7318--PAGE 402, 142-5800--PAGE 384

AN ATTACHMENT

SMCS-7254

i01493397

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	7T-8331	2	MOUNTING	
	2	1	7X-2393	1	BUMPER-CONICAL	
	3	1	136-9466	1	SHEET	
	4	1	142-5801	1	STAIR AS	
M		1	8T-3597	10	NUT-WELD (M12X1.75 THD)	
	5	1	142-5802	1	HANDHOLD AS	
	6	1	146-8350	1	BRACKET AS	
M		1	8T-3597	2	NUT-WELD (M12X1.75 THD)	
	7	1	151-2766	1	HANDHOLD AS	
	8	1	151-2767	1	HANDHOLD AS	
Y	9	1	192-8852	1	COVER GP-BUMPER	372
	10	1	155-2079	1	HANDHOLD AS	
M	11	1	5C-7261	1	NUT (M8X1.25 THD)	
	12	1	5P-1076	29	WASHER-HARD (13.5X30X4MM THK)	
	13	1	7X-0515	4	WASHER-HARD (17X35X5MM THK)	
	14	1	7X-0590	2	WASHER-HARD (13.5X44.5X6MM THK)	
M	15	1	7X-2553	4	BOLT (M16X2X40MM)	
	16	1	7X-7729	4	WASHER (11X25X3MM THK)	
M	17	1	8T-4133	2	NUT (M10X1.5 THD)	
M	18	1	8T-4139	6	BOLT (M12X1.75X30MM)	
M	19	1	8T-4183	27	BOLT (M12X1.75X40 MM)	
M	20	1	8T-4195	2	BOLT (M10X1.5X30MM)	
	21	1	8T-4224	1	WASHER-HARD (8.8X16X2MM THK)	
M	22	1	8T-4244	2	NUT (M12X1.75 THD)	
M	23	1	8T-4910	2	BOLT (M12X1.75X60MM)	

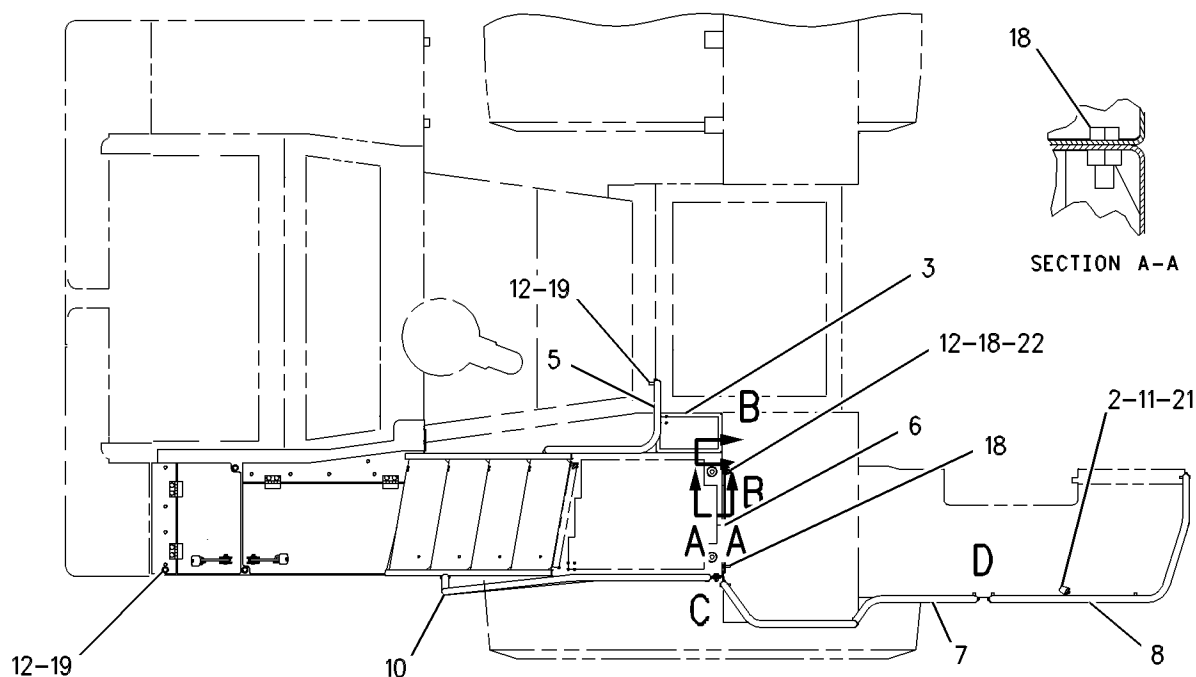
M-METRIC PART

Y-SEPARATE ILLUSTRATION

FRAME AND BODY

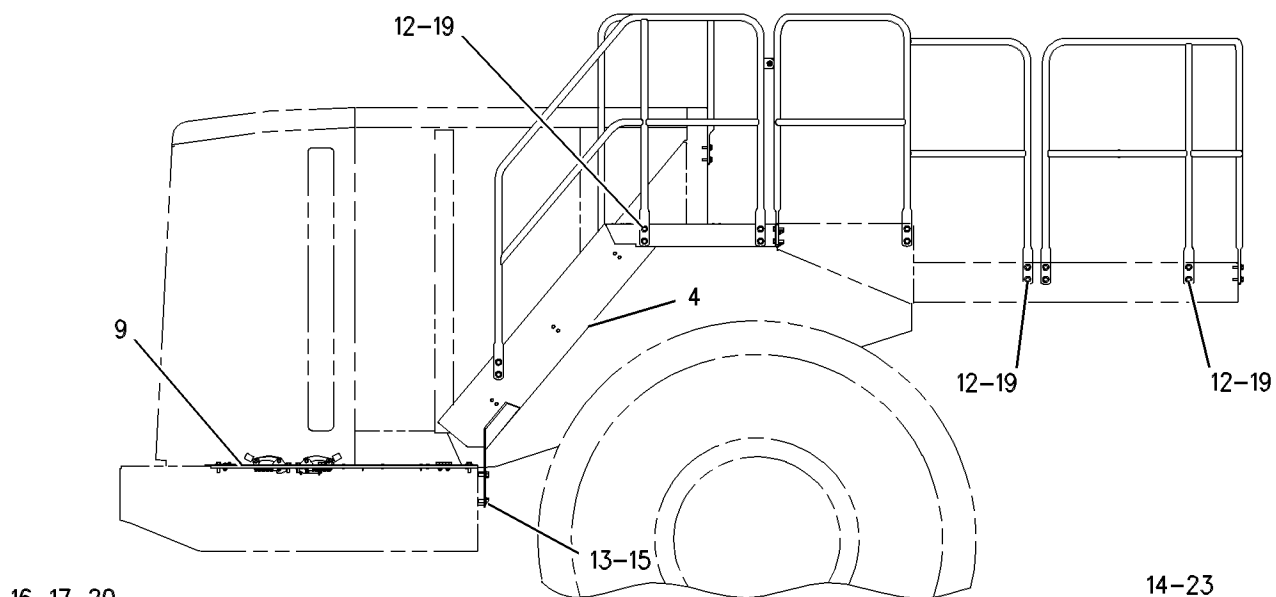
142-5799 LADDER GP (contd.)

i01493397

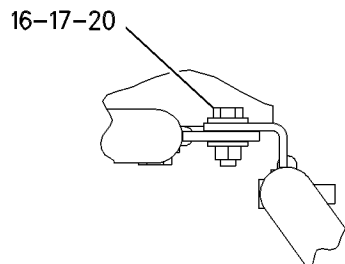


SECTION A-A

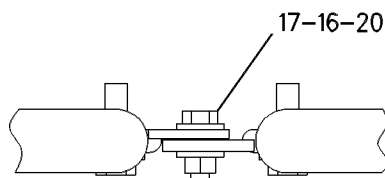
TOP VIEW



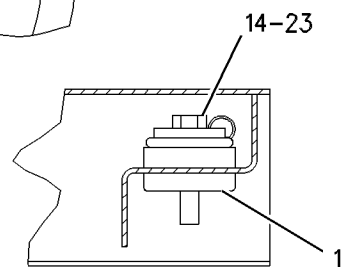
RIGHT SIDE VIEW



VIEW OF AREA C



VIEW OF AREA D



SECTION B-B

GRAPHIC #1

g00545371

FRAME AND BODY

147-9537 LADDER GP

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7254

i01627901

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1D-4164	3	HANDHOLD						
	2	1	7X-2393	2	BUMPER-CONICAL						
	3	1	166-4473	1	HANDHOLD AS						
	4	1	168-6387	1	HANDHOLD AS						
Y	5	1	170-7313	1	LADDER GP						410
M	6	1	5C-7261	2	NUT (M8X1.25 THD)						
	7	1	5P-1076	12	WASHER-HARD (13.5X30X4MM THK)						
	8	1	5P-4116	2	WASHER-HARD (8.8X20.5X2MM THK)						
	9	1	7X-7729	2	WASHER (11X25X3MM THK)						
M	10	1	8T-4133	1	NUT (M10X1.5 THD)						
M	11	1	8T-4183	12	BOLT (M12X1.75X40MM)						
M	12	1	8T-4195	1	BOLT (M10X1.5X30MM)						
M	13	1	8T-4139	6	BOLT (M12X1.75X30MM)						
	14	1	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)						

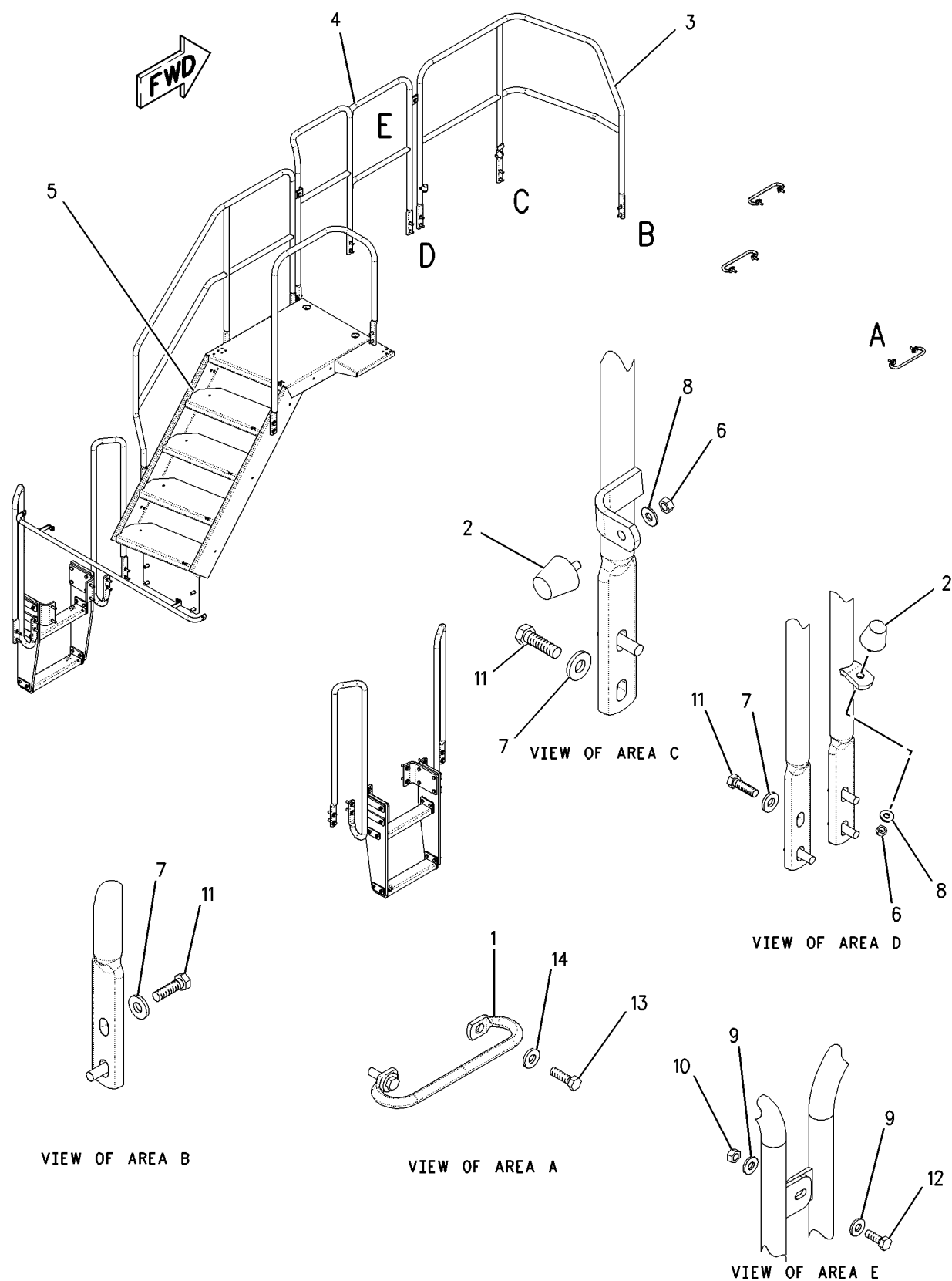
M-METRIC PART

Y-SEPARATE ILLUSTRATION

FRAME AND BODY

147-9537 LADDER GP (contd.)

i01627901



GRAPHIC #1

g00843506

FRAME AND BODY

153-7044 LADDER GP

S/N: BPC1-UP

PART OF 170-7318 LADDER AR
AN ATTACHMENT

SMCS-7254

i01493406

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7X-2393	1	BUMPER-CONICAL						
	2	1	136-9720	1	HANDHOLD AS						
	3	1	136-9721	1	HANDHOLD AS						
		1	6B-8085	1	SNAP-CHAIN						
		1	106-6434	1	CHAIN-LINK						
	4	1	136-9722	1	HANDHOLD AS						
	5	1	136-9759	1	PANEL AS						
Y	6	1	171-6786	1	GUARD GP-REAR						394
Y	7	1	192-8851	1	COVER GP-BUMPER						370
M	9	1	5C-7261	1	NUT (M8X1.25 THD)						
	10	1	5P-1076	21	WASHER-HARD (13.5X30X4MM THK)						
	11	1	7X-0515	2	WASHER-HARD (17X35X5MM THK)						
M	12	1	7X-2553	2	BOLT (M16X2X40MM)						
	13	1	7X-7729	2	WASHER (11X25X3MM THK)						
M	14	1	8T-4133	1	NUT (M10X1.5 THD)						
M	16	1	8T-4179	2	BOLT (M12X1.75X20MM)						
M	17	1	8T-4183	21	BOLT (M12X1.75X40 MM)						
M	18	1	8T-4195	1	BOLT (M10X1.5X30MM)						
	19	1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)						
	20	1	8T-4224	1	WASHER-HARD (8.8X16X2MM THK)						

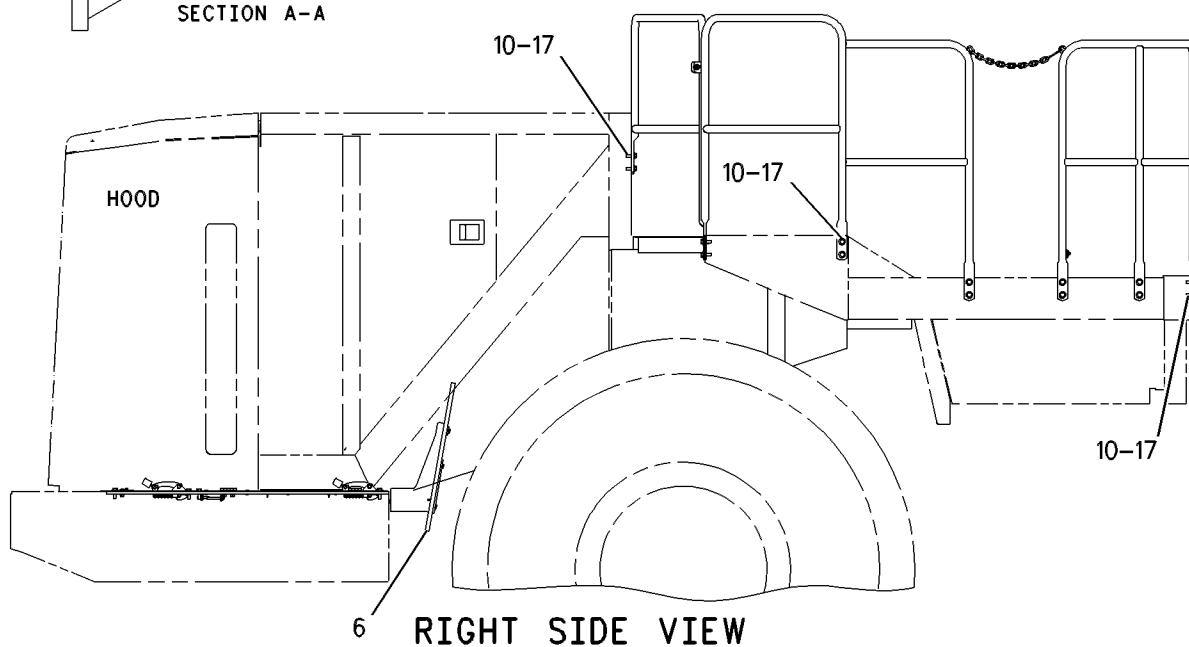
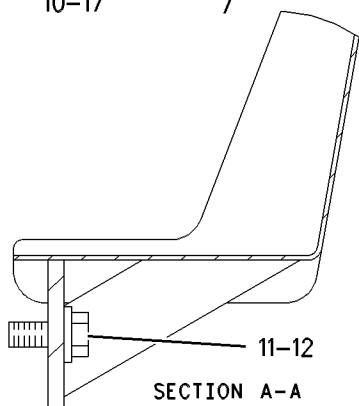
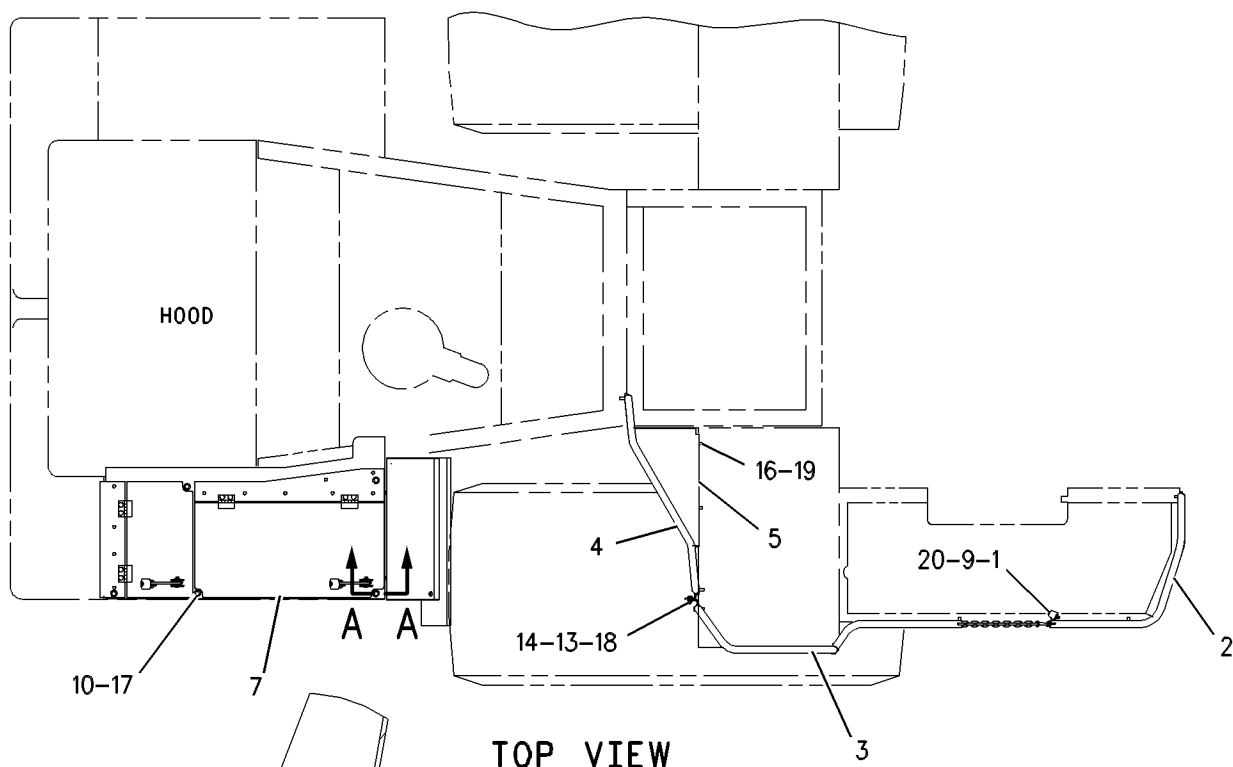
M-METRIC PART

Y-SEPARATE ILLUSTRATION

FRAME AND BODY

153-7044 LADDER GP (contd.)

i01493406



GRAPHIC #1

g00558371

FRAME AND BODY

170-7313 LADDER GP

S/N: BPC1-UP

PART OF 147-9537 LADDER GP

SMCS-7254

i01047300

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4E-8852	2	HANDLE - RH						
	2	1	4E-8892	2	HANDLE - LH						
	3	1	7T-8331	2	MOUNTING						
Y	4	1	134-2554	2	STEP GP						424
	5	1	134-4821	1	STAIR AS						
M		1	8T-3597	10	NUT-WELD (M12X1.75 THD)						
	6	1	135-6931	1	HANDHOLD AS						
	7	1	136-9466	1	SHEET						
	8	1	136-9723	1	HANDHOLD AS						
	9	1	150-8993	1	HANDLE AS						
	10	1	5P-1076	34	WASHER-HARD (4MM THK)						
	11	1	7X-0515	4	WASHER (5MM THK)						
	12	1	7X-0590	2	WASHER-HARD (6.0MM THK)						
M	13	1	7X-2553	4	BOLT (M16X2.0X40MM)						
	14	1	7X-7729	4	WASHER (3MM THK)						
M	15	1	8T-4133	1	NUT (M10X1.50 THD)						
M	16	1	8T-4137	2	BOLT (M10X1.50X20MM)						
M	17	1	8T-4139	2	BOLT (M12X1.75X30MM)						
M	18	1	8T-4183	10	BOLT (M12X1.75X40MM)						
M	19	1	8T-4194	24	BOLT (M12X1.75X50MM)						
M	20	1	8T-4195	1	BOLT (M10X1.50X30MM)						
M	21	1	8T-4910	2	BOLT (M12X1.75X60MM)						

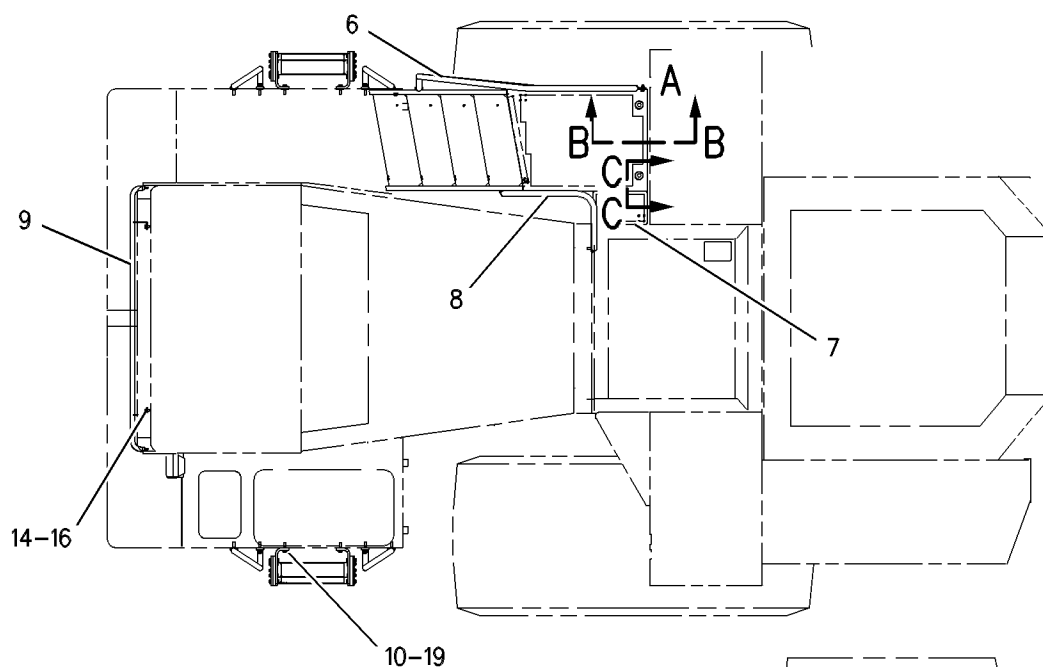
M-METRIC PART

Y-SEPARATE ILLUSTRATION

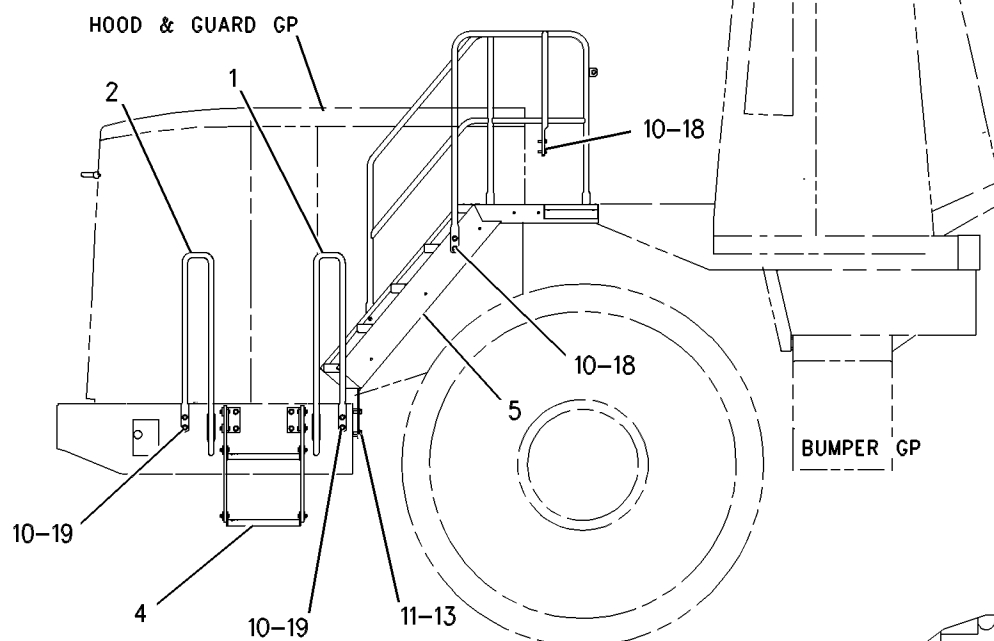
FRAME AND BODY

170-7313 LADDER GP (contd.)

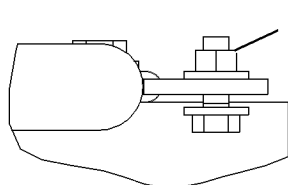
i01047300



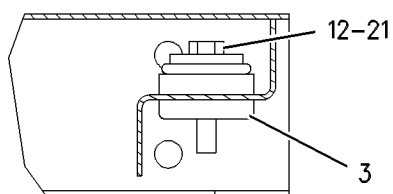
TOP VIEW



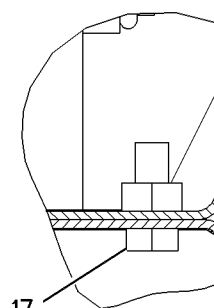
RIGHT SIDE VIEW



VIEW OF AREA A



SECTION B-B



SECTION C-C

GRAPHIC #1

g00544411

FRAME AND BODY

170-7315 LADDER GP
S/N: BPC1-UP
PART OF 170-7318 LADDER AR
AN ATTACHMENT

SMCS-7254

i01109769

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
M	8T-4139	4	BOLT (M12X1.75X30MM)						
	170-7316	1	LADDER AS						
	5P-1076	4	WASHER-HARD (4MM THK)						
M-METRIC PART									

MEMORANDA

FRAME AND BODY

154-0931 LINES GP-GREASE

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7510

i01178196

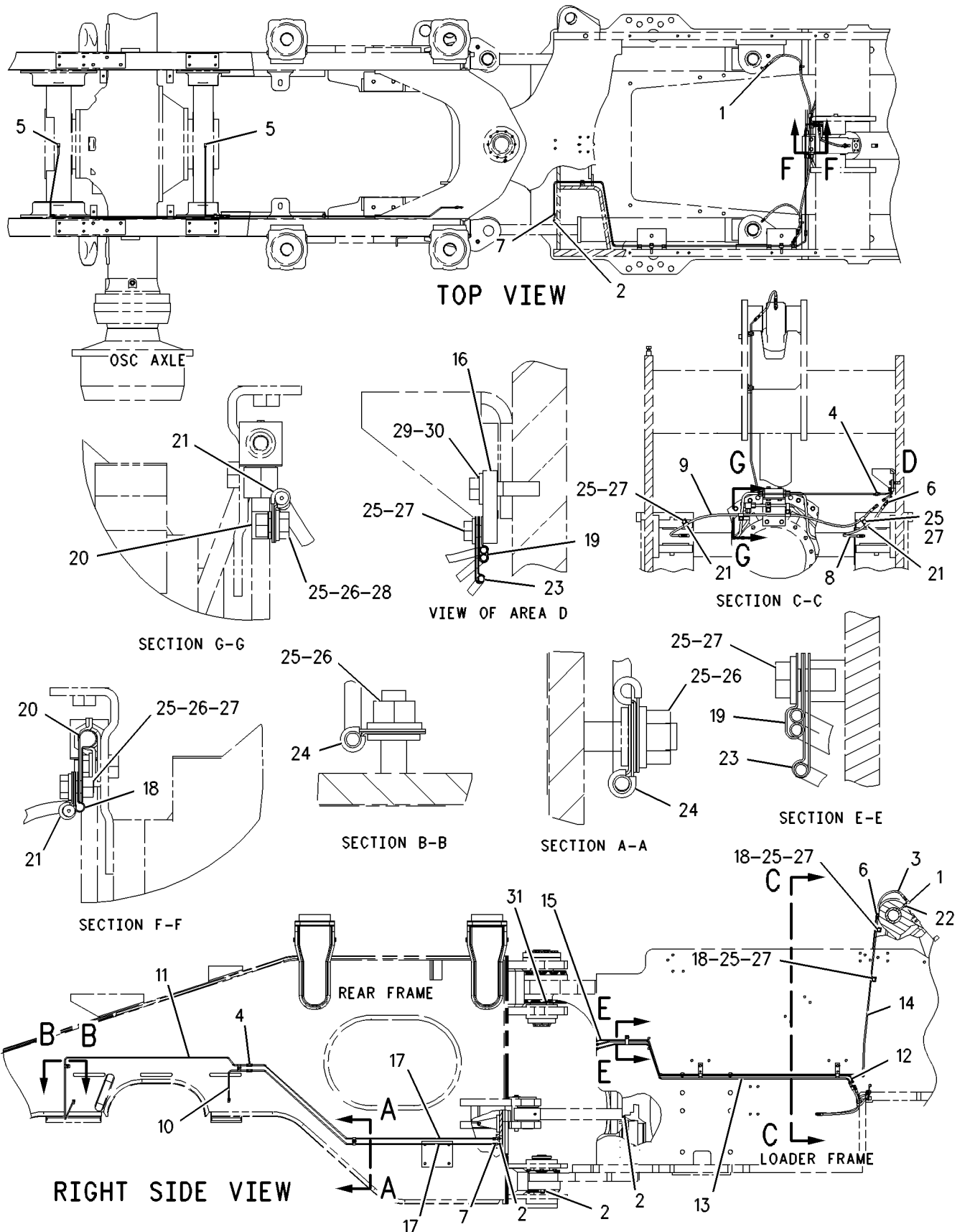
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3B-6552	2	ELBOW (90 DEGREES)						
	2	1	3B-8489	7	FITTING-GREASE (1/8-27 THD)						
	3	1	3V-4943	1	HOSE AS						
	4	1	5K-9242	3	UNION-FLARED						
	5	1	5K-9243	3	ELBOW-FLARED						
	6	1	5K-9979	3	CONNECTOR-FLARED						
	7	1	6L-3616	5	CONNECTOR-FLARED						
I	8	1	7S-5855	1	HOSE AS						
	9	1	171-4042	1	HOSE AS						
	10	1	142-6996	1	TUBE AS						
	11	1	160-0173	1	TUBE AS						
	12	1	160-0174	1	TUBE AS						
	13	1	160-0441	1	TUBE AS						
	14	1	160-0462	1	TUBE AS						
	15	1	160-0463	1	TUBE AS						
	16	1	160-5539	2	PLATE						
	17	1	160-7815	2	TUBE AS						
	18	1	2B-2404	3	CLIP (6.35MM ID)						
	19	1	5K-2298	3	CLIP						
	20	1	5M-8429	2	CLIP (12.7MM ID)						
	21	1	5P-9297	5	CLIP (9.52MM ID)						
	22	1	6K-6967	1	ADAPTER-PIPE						
	23	1	7M-8322	3	CLIP (6.32MM ID)						
	24	1	8M-2772	5	CLIP (6.35MM ID)						
	25	1	8T-4121	12	WASHER (2.5MM THK)						
M	26	1	8T-4133	5	NUT (M10X1.50 THD)						
M	27	1	8T-4137	8	BOLT (M10X1.50X20MM)						
M	28	1	8T-4191	1	BOLT (M10X1.50X16MM)						
M	29	1	8T-4194	2	BOLT (M12X1.75X50MM)						
	30	1	8T-4223	2	WASHER-HARD (3MM THK)						
	31	1	3B-8686	1	FITTING-HYDRAULIC (1/8 NPTF) (30 DEG)						

I - SEE HOSE FABRICATION GUIDE
M - METRIC PART

FRAME AND BODY

154-0931 LINES GP-GREASE (contd.)

i01178196



GRAPHIC #1

g00578002

FRAME AND BODY

142-1757 LINK GP-STEERING FRAME LOCK

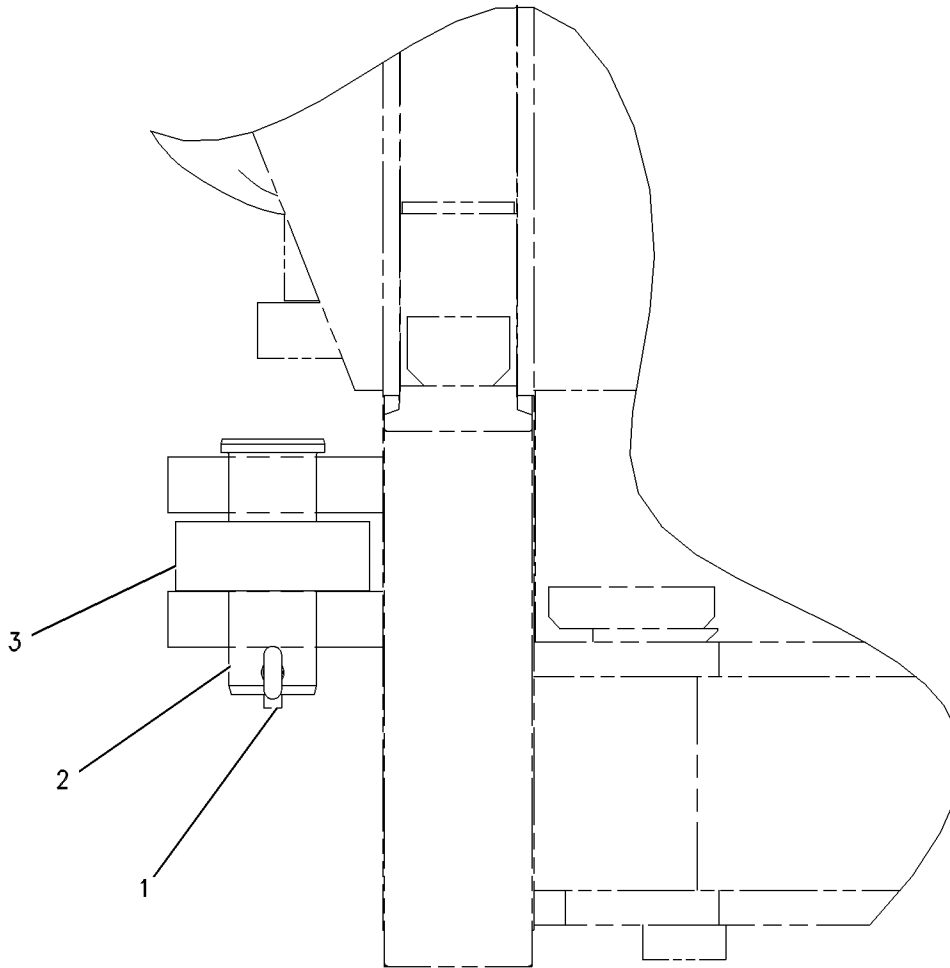
S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7506

i01175639

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1J-2919	2	COTTER						
	2	1	4E-6015	2	PIN						
	3	1	151-1212	1	LINK						



GRAPHIC #1

g00512506

FRAME AND BODY

143-9361 PANEL GP-SIDE-HOOD (RH)

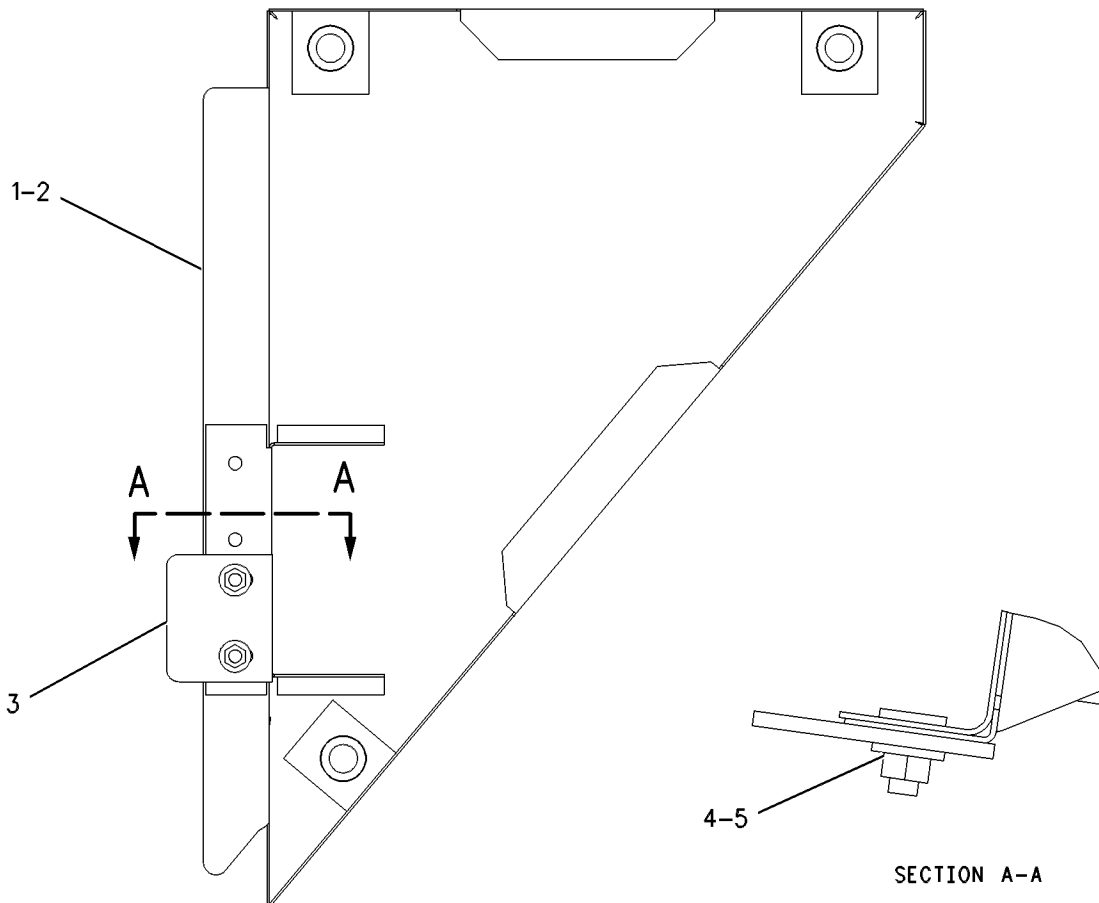
S/N: BPC1-UP

PART OF 114-5122 HOOD & GUARD GP

SMCS-7251, 7267

i01505357

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	142-7010	1	PANEL AS-RH						
M		1	8T-5413	2	STUD-WELD (M10X1.5X25MM OAL)						
	2	1	142-7011	1	PANEL AS-LH						
M		1	8T-5413	2	STUD-WELD (M10X1.5X25MM OAL)						
	3	1	164-0327	2	PLATE						
	4	1	7X-7729	4	WASHER (11X25X3MM THK)						
M	5	1	8T-4133	4	NUT (M10X1.5 THD)						
M-METRIC PART											



GRAPHIC #1

g00506980

FRAME AND BODY

163-1034 PANEL GP-SIDE-RH

S/N: BPC1-UP

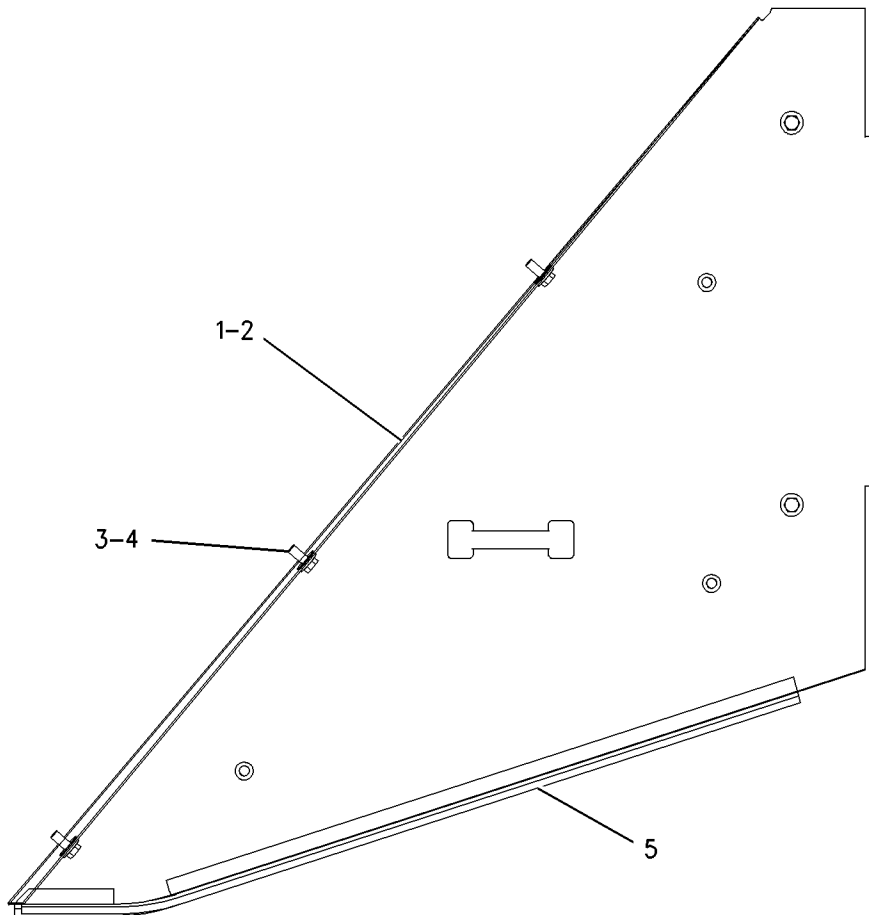
PART OF 203-1568 CHASSIS AR

SMCS-7251, 7267

i01228695

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	142-7012	1	PANEL AS-RH						
		1	1V-8732	1	HANDLE						
	2	1	142-7013	1	PANEL AS-LH						
		1	1V-8732	1	HANDLE						
	3	1	5P-1076	10	WASHER-HARD (4MM THK)						
M	4	1	8T-4139	10	BOLT (M12X1.75X30MM)						
D	5	1	5P-7483		SEAL (2.4M)						

D-ORDER BY THE METER
M-METRIC PART



GRAPHIC #1

g00656966

FRAME AND BODY

185-1933 PANEL GP-SOUND SUPPRESSION

S/N: BPC1-UP

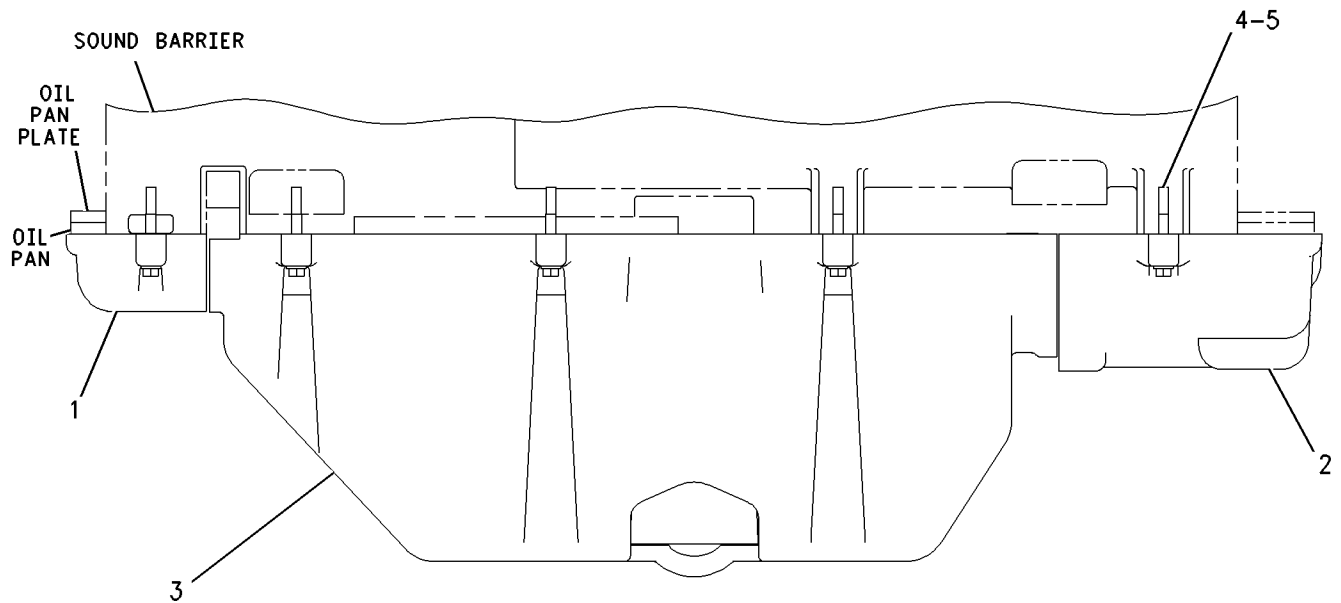
ENGINE OIL PAN

PART OF 164-4871 SUPPRESSION AR-SOUND
AN ATTACHMENT

SMCS-7076, 7261

i01493142

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	162-8617	1	PANEL AS						
	2	1	162-8619	1	PANEL AS						
					(EACH PANEL AS INCLUDES)						
		1	9N-6108	2	SPACER (30.0MM LG X 14.0MM DIA)						
	3	1	185-2192	1	PANEL AS						
		1	9N-6108	6	SPACER (30.0MM LG X 14.0MM DIA)						
	4	1	OS-1619	10	BOLT (3/8-16X3 IN)						
	5	1	5M-2894	10	WASHER-HARD (10.2X18.5X2.5MM THK)						



RIGHT SIDE OF ENGINE

GRAPHIC #1

g00688166

FRAME AND BODY

164-4865 SHIELD GP-ENGINE COMPARTMENT

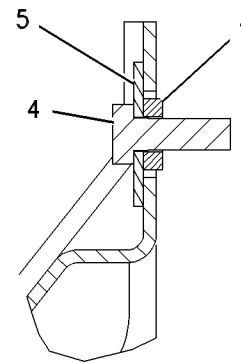
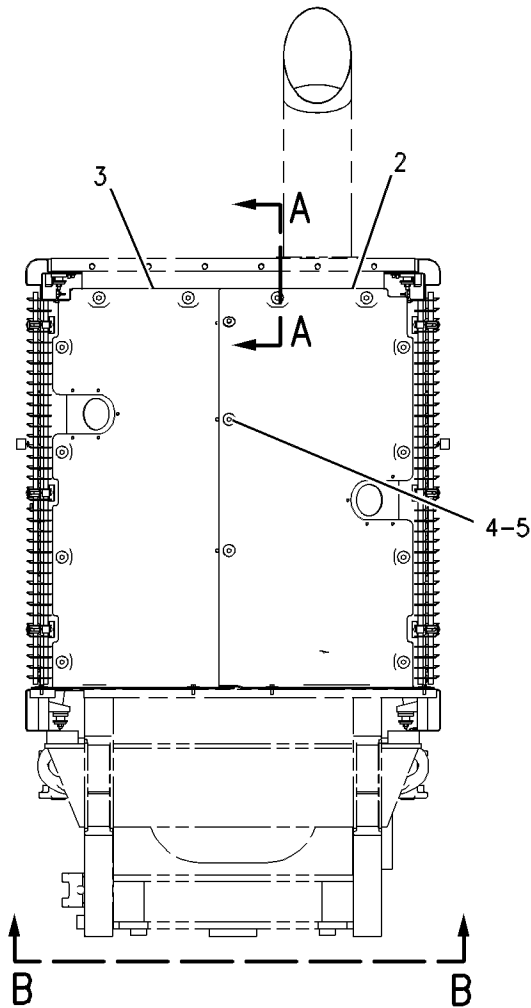
S/N: BPC1-UP

PART OF 164-4872 SUPPRESSION AR-SOUND
AN ATTACHMENT

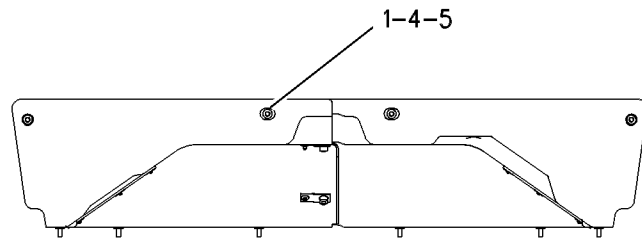
SMCS-7154, 7263

i01469523

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4H-1225	15	WASHER (11X22X6MM THK)						
	2	1	131-7810	1	SHIELD AS-RH						
	3	1	131-7811	1	SHIELD AS-LH						
		1	9R-2613	1	BOSS (M10X25MM)						
M	4	1	8T-4195	18	BOLT (M10X1.5X30MM)						
	5	1	8T-4226	18	WASHER-PLATED (10.5X45X3MM THK)						
M-METRIC PART											



SECTION A-A



VIEW B-B

GRAPHIC #1

g00509542

MEMORANDA

FRAME AND BODY

164-4866 SHIELD GP-ENGINE COMPARTMENT

S/N: BPC1-UP

PART OF 164-4871 SUPPRESSION AR-SOUND
AN ATTACHMENT

SMCS-7154, 7263

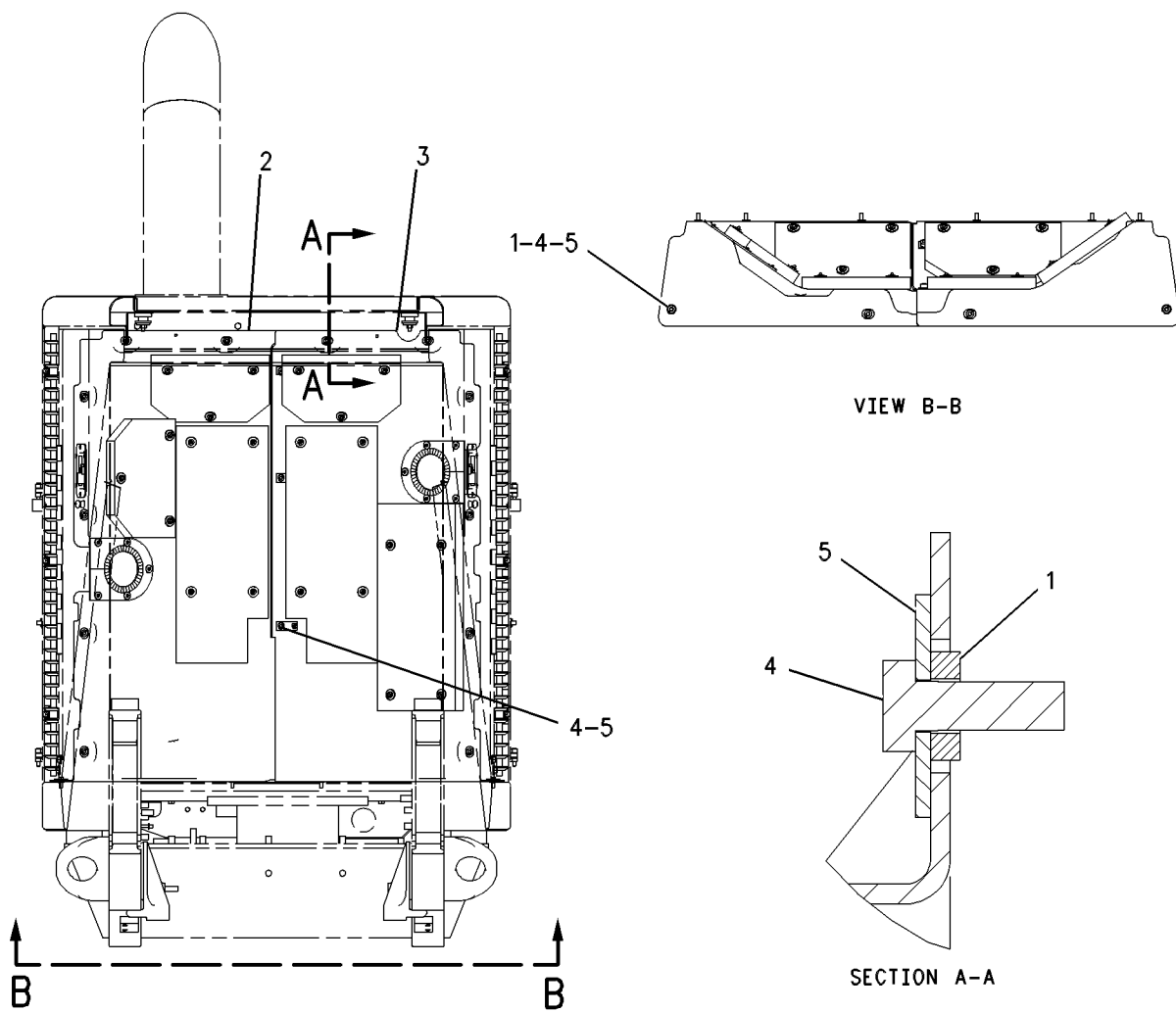
i01575001

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4H-1225	16	WASHER (11X22X6MM THK)						
	2	1	164-4817	1	SHIELD AS-RH						
		1	7X-0603	10	WASHER-HARD (9.9X35X2.5MM THK)						
		1	133-1643	20	SPACER						
		1	148-8240	10	CLIP						
		1	133-1645	10	WASHER						
		1	183-7228	1	INSULATION						
		1	164-4769	2	INSULATION						
	3	1	164-4831	1	SHIELD AS-LH						
		1	7X-0603	11	WASHER-HARD (9.9X35X2.5MM THK)						
		1	9R-2613	1	BOSS (M10X1.5X25MM)						
		1	133-1643	22	SPACER						
		1	148-8240	11	CLIP						
		1	133-1645	11	WASHER						
		1	164-4767	1	INSULATION						
		1	164-4769	1	INSULATION						
		1	183-7228	1	INSULATION						
M	4	1	8T-4195	19	BOLT (M10X1.5X30MM)						
	5	1	8T-4226	19	WASHER-PLATED (10.5X45X3MM THK)						
M-METRIC PART											

FRAME AND BODY

164-4866 SHIELD GP-ENGINE COMPARTMENT (contd.)

i01575001



GRAPHIC #1

g00659875

FRAME AND BODY

134-2554 STEP GP

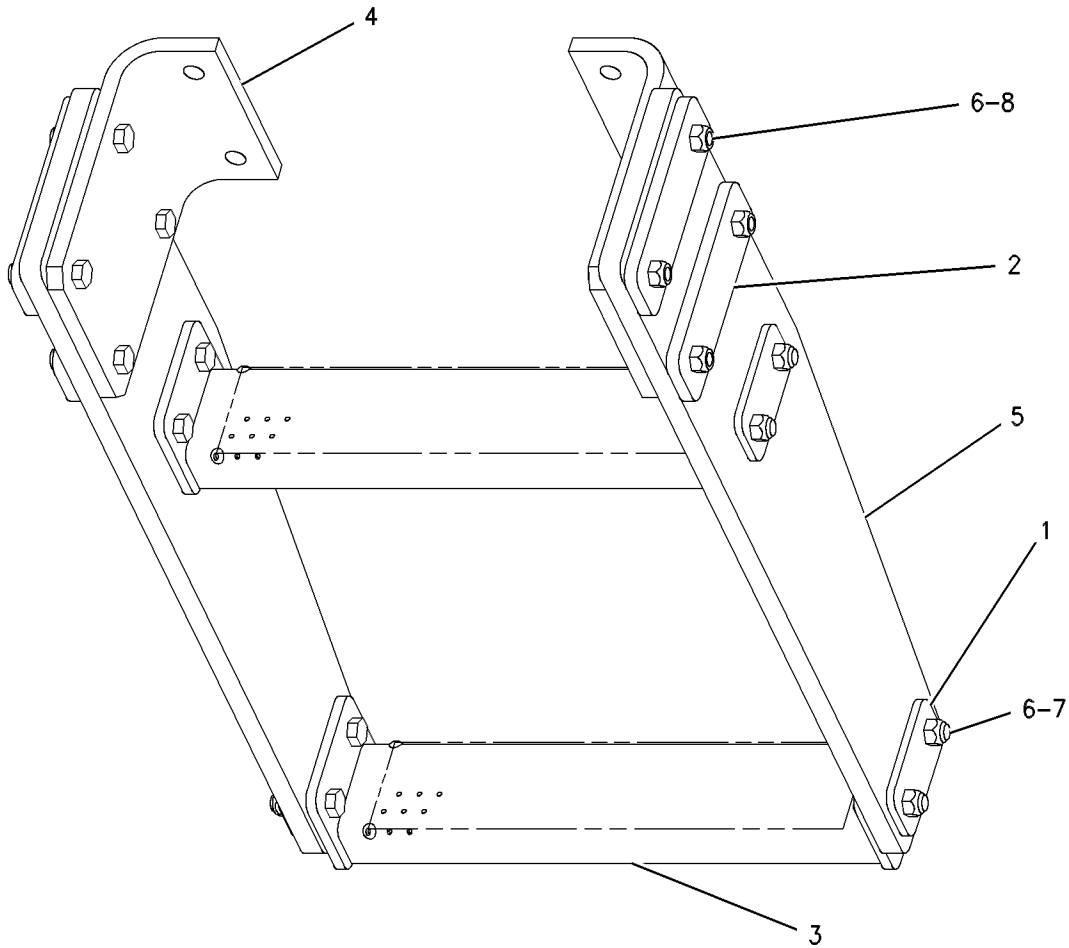
S/N: BPC1-UP

PART OF 170-7313 LADDER GP

SMCS-7254

i01065145

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4V-9803	4	PLATE						
	2	1	112-4558	4	PLATE						
	3	1	134-2552	2	STEP AS						
	4	1	135-5154	2	BRACKET						
	5	1	135-5155	2	BELT						
M	6	1	6V-7687	16	LOCKNUT (M12X1.75 THD)						
M	7	1	8T-4184	8	BOLT						
M	8	1	8T-4194	8	BOLT						
M-METRIC PART											



GRAPHIC #1

g00554668

FRAME AND BODY

164-4871 SUPPRESSION AR-SOUND

S/N: BPC1-UP

CANNOT BE USED WITH 164-4872—PAGE 426, 150-1541—PAGE 388
AN ATTACHMENT

SMCS-7261

i01624158

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	150-1541	1	GUARD GP-CRANKCASE						388
Y	185-1933	1	PANEL GP-SOUND SUPPRESSION (ENGINE OIL PAN)						419
Y	164-4866	1	SHIELD GP-ENGINE COMPARTMENT						422
Y	164-3706	1	SUPPRESSION GP-SOUND (HOOD)						428
Y	164-4870	1	SUPPRESSION GP-SOUND (POWER TRAIN GUARD)						432
Y-SEPARATE ILLUSTRATION									

FRAME AND BODY

164-4872 SUPPRESSION AR-SOUND

S/N: BPC1-UP

CANNOT BE USED WITH 164-4871—PAGE 425
AN ATTACHMENT

SMCS-7261

i01320811

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	164-4865	1	SHIELD GP-ENGINE COMPARTMENT						420
Y-SEPARATE ILLUSTRATION									

MEMORANDA

FRAME AND BODY

164-3706 SUPPRESSION GP-SOUND

S/N: BPC1-UP

HOOD

PART OF 164-4871 SUPPRESSION AR-SOUND
AN ATTACHMENT

SMCS-7076, 7261

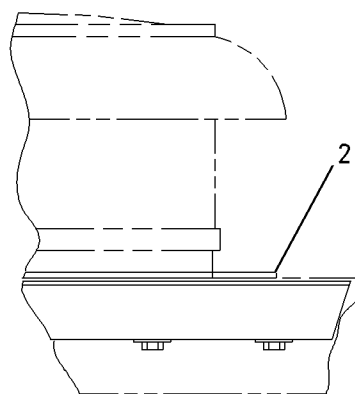
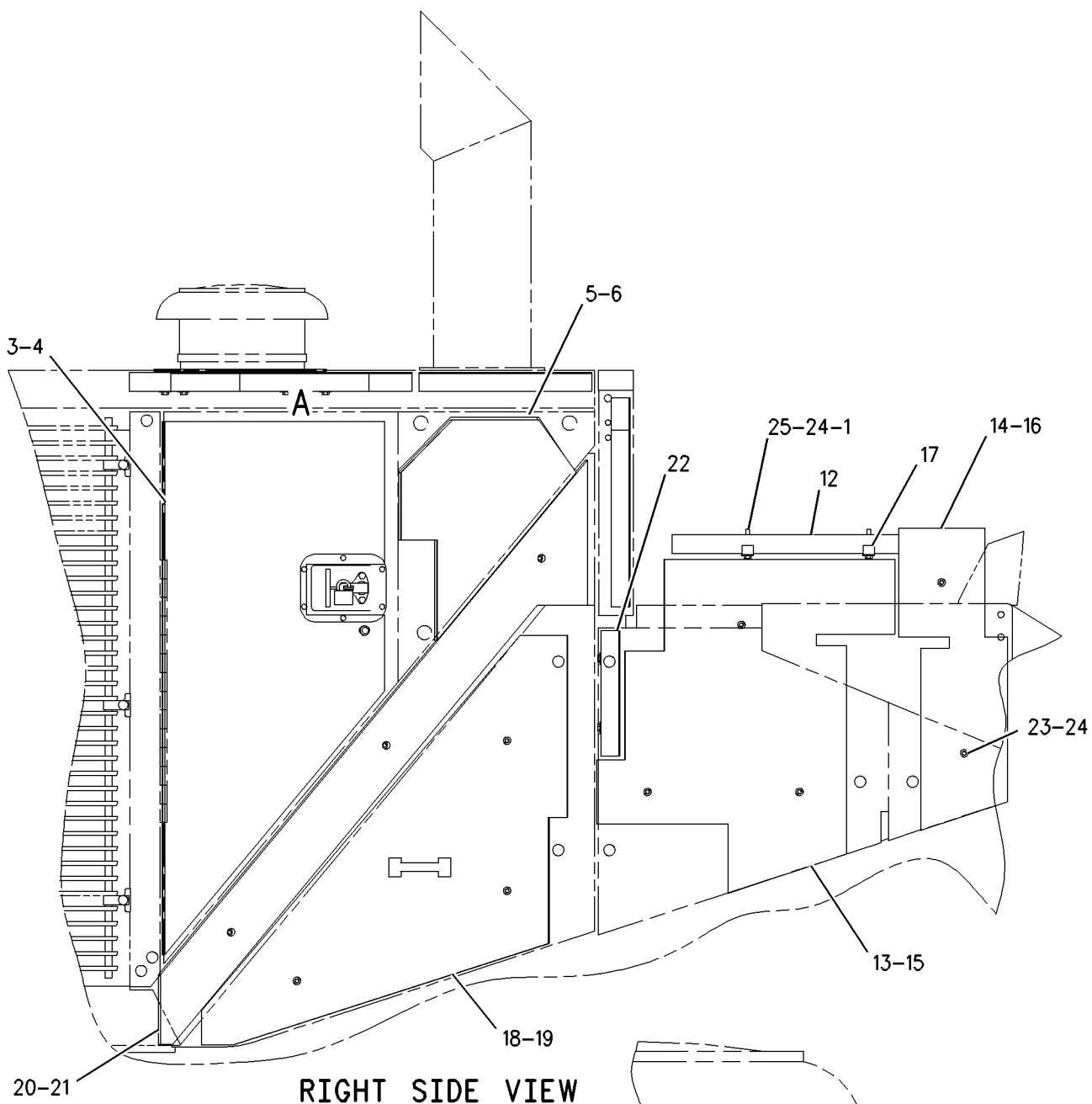
i01493057

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	2Q-3691	4	SPACER	
	2	1	163-4796	1	BAFFLE	
	3	1	163-4797	1	INSULATION-RH	
	4	1	163-4798	1	INSULATION-LH	
	5	1	163-7902	1	INSULATION-RH	
	6	1	163-7903	1	INSULATION-LH	
	7	3	163-7904	1	INSULATION	
	8	3	163-7905	1	INSULATION	
	9	3	163-7906	1	INSULATION	
	10	2	163-7908	1	INSULATION	
	11	3	163-7909	1	INSULATION	
	12	1	183-7535	1	INSULATION	
	13	1	183-7536	1	INSULATION	
	14	1	183-7537	1	INSULATION	
	15	1	183-7538	1	INSULATION	
	16	1	183-7539	1	INSULATION	
	17	1	183-7540	1	BRACKET	
	18	1	183-9409	1	INSULATION	
	19	1	183-9411	1	INSULATION	
	20	1	183-9412	1	INSULATION	
	21	1	183-9413	1	INSULATION	
	22	1	183-9414	1	INSULATION	
M	23	1	8T-4137	29	BOLT (M10X1.5X20MM)	
	24	1	8T-4222	33	WASHER-PLATED (11X32X2.5MM THK)	
M	25	1	8T-5005	4	BOLT (M10X1.50X70MM)	
M-METRIC PART						

FRAME AND BODY

164-3706 SUPPRESSION GP - SOUND (contd.)

i01493057



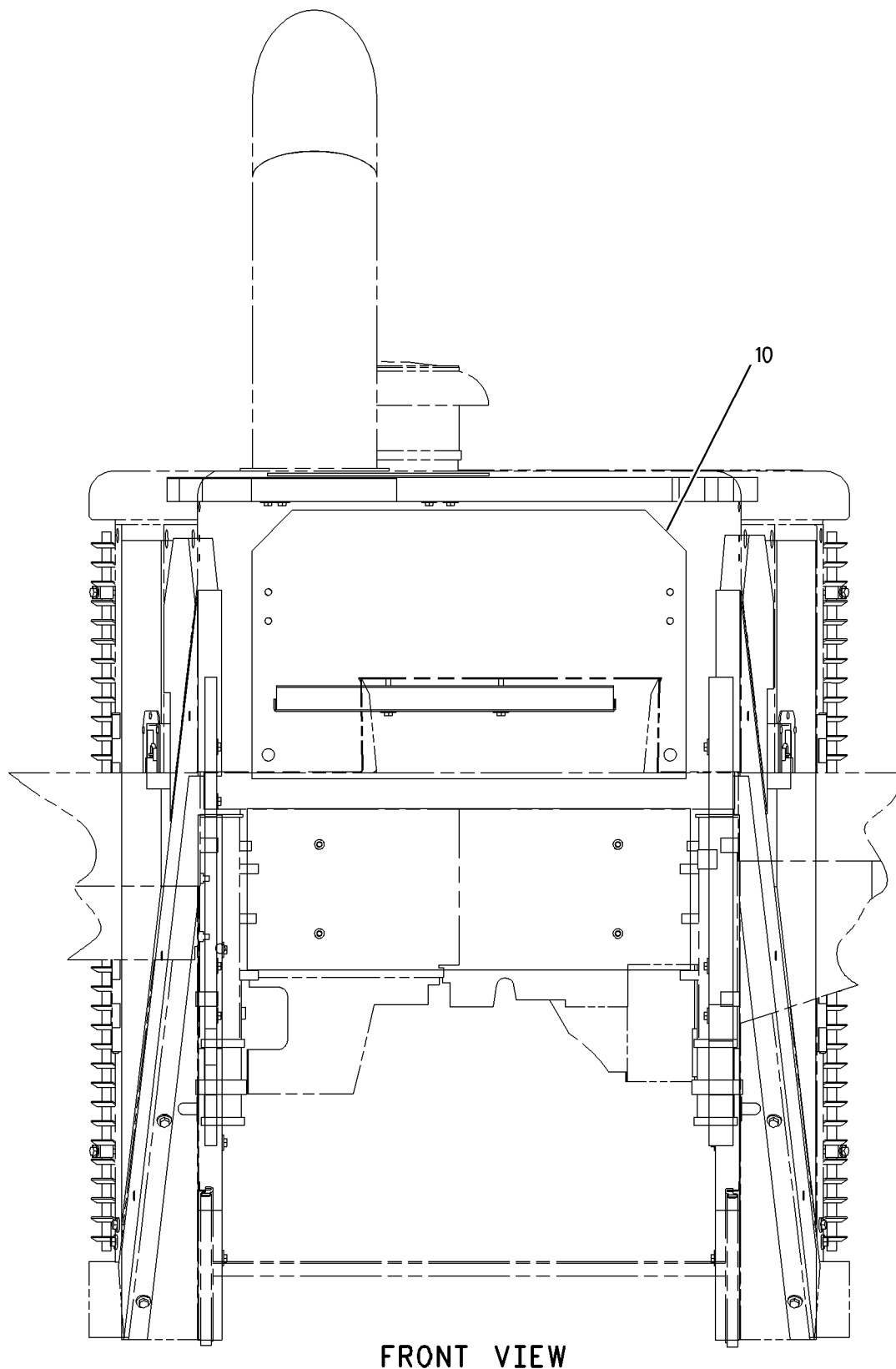
GRAPHIC #1

g00734570

FRAME AND BODY

164-3706 SUPPRESSION GP - SOUND (contd.)

i01493057



FRONT VIEW

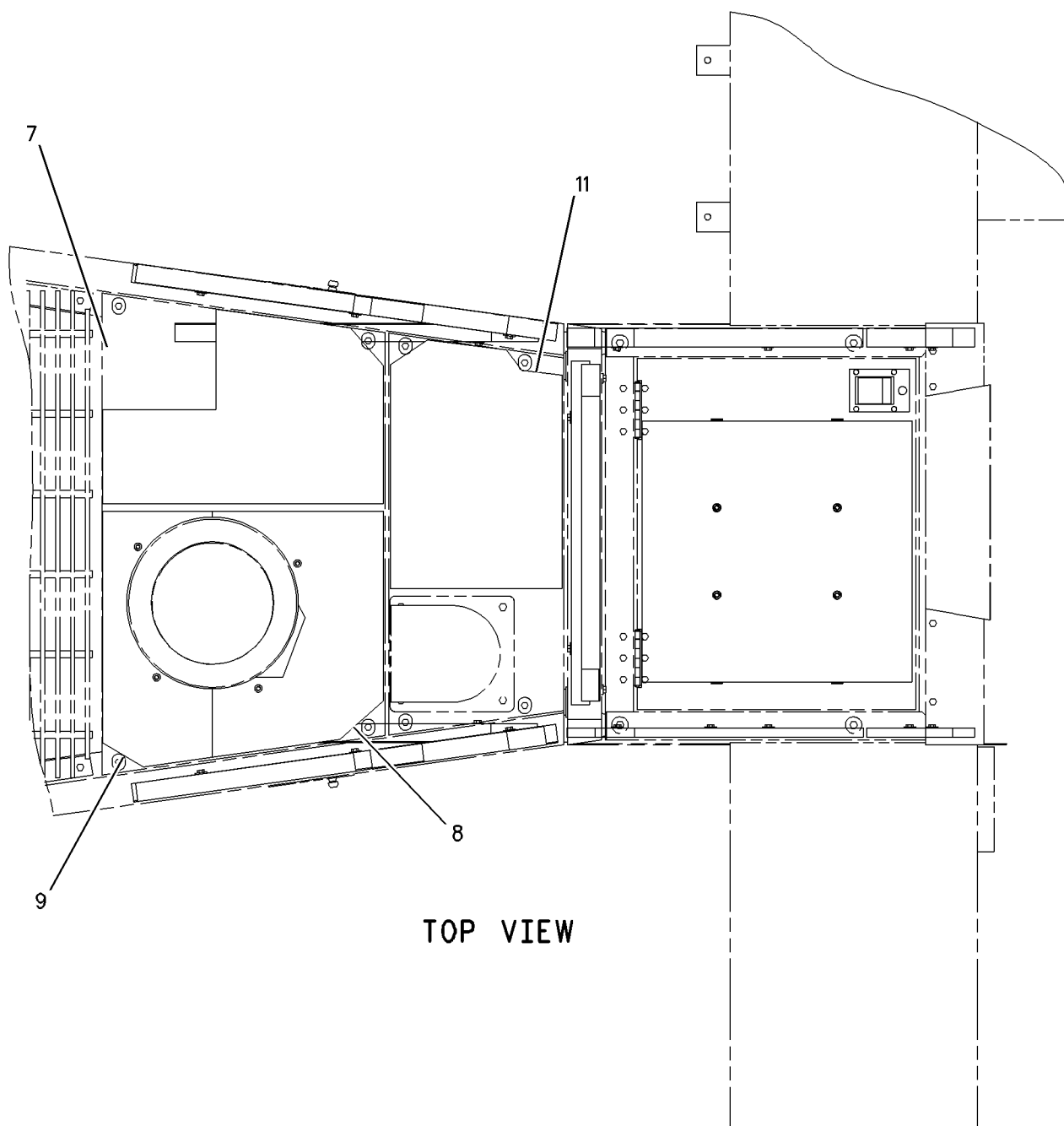
GRAPHIC #2

g00743658

FRAME AND BODY

164-3706 SUPPRESSION GP - SOUND (contd.)

i01493057



TOP VIEW

GRAPHIC #3

g00743660

FRAME AND BODY

164-4870 SUPPRESSION GP-SOUND

S/N: BPC1-UP

POWERTRAIN GUARD

PART OF 164-4871 SUPPRESSION AR-SOUND

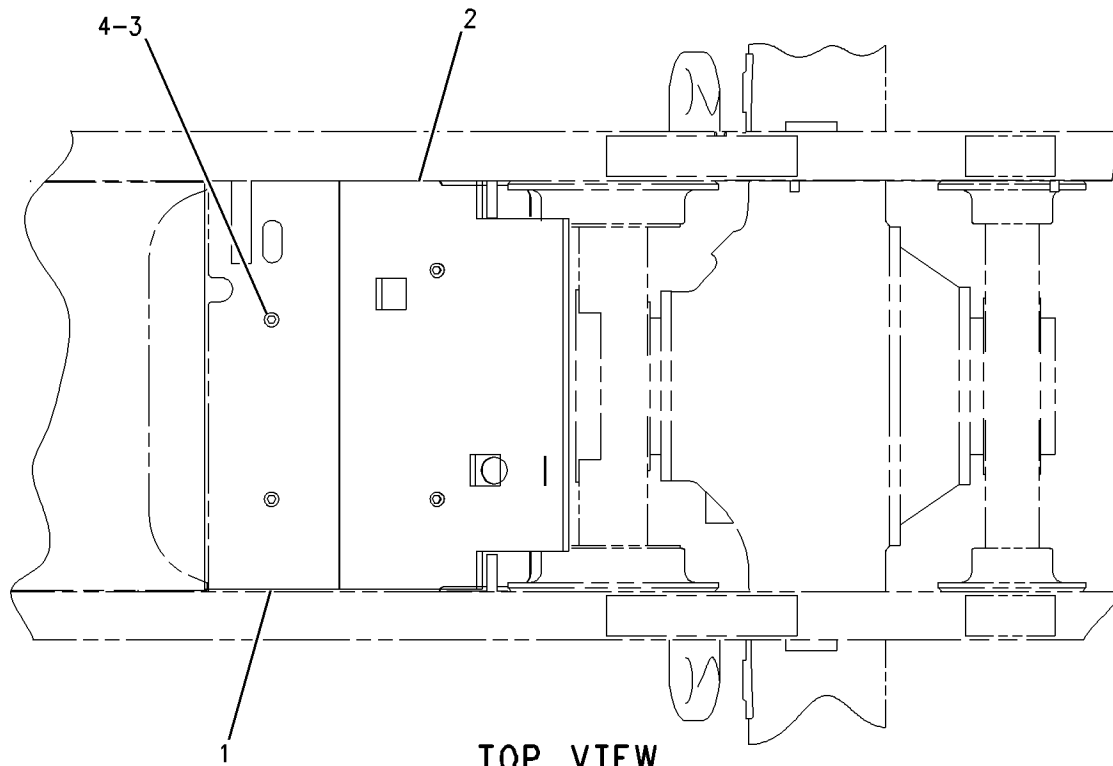
AN ATTACHMENT

SMCS-7076, 7261

i01551502

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	183-9415	1	INSULATION	
	2	1	183-9416	1	INSULATION	
M	3	1	8T-4137	4	BOLT (M10X1.5X20MM)	
	4	1	8T-4222	4	WASHER-PLATED (11X32X2.5MM THK)	

M-METRIC PART



TOP VIEW

GRAPHIC #1

g00817720

BRAKING SYSTEM

111-9040 ACCUMULATOR GP-BRAKE

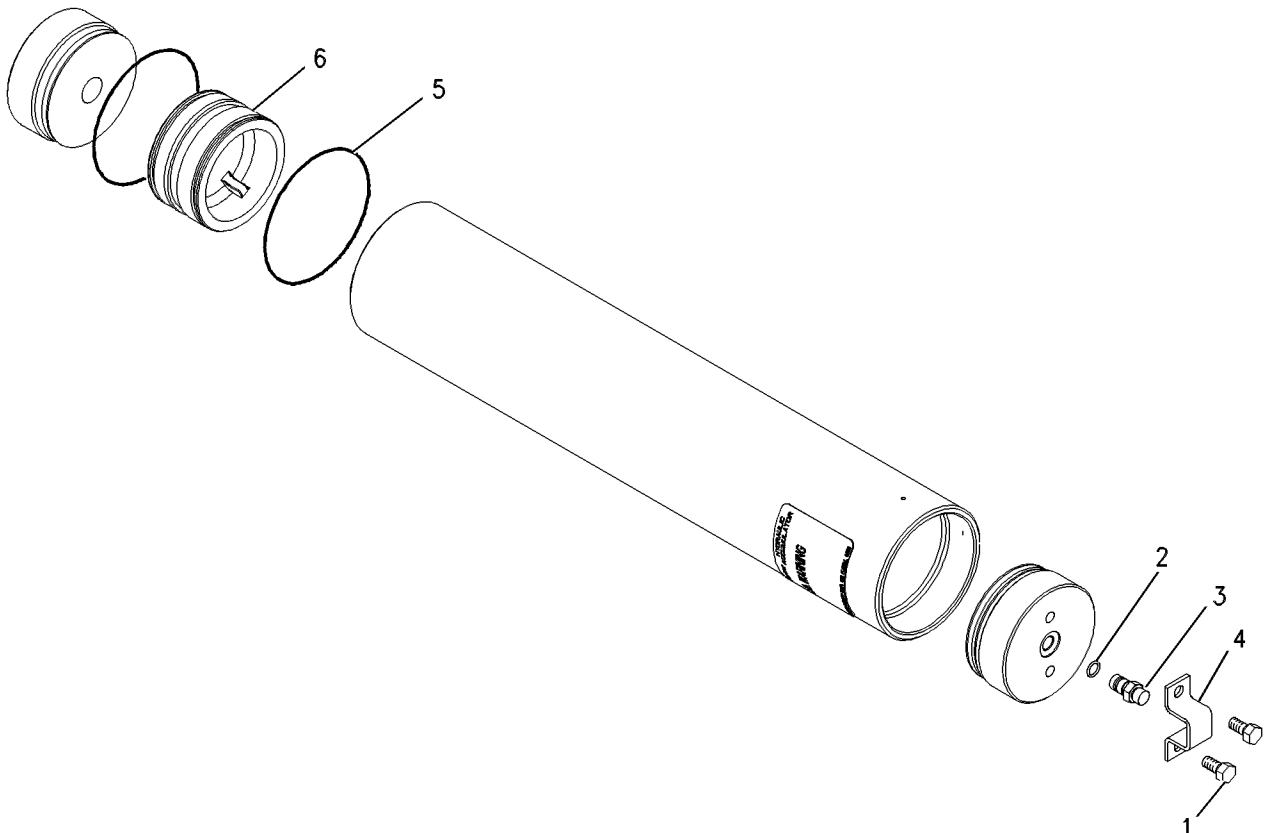
S/N: BPC1-UP

PART OF 142-6188 CONTROL GP-SERVICE BRAKE

SMCS-4263

i01470590

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5M-3062	2	BOLT (3/8-16X0.75 IN)						
	2	1	1J-9671	1	SEAL-O-RING						
	3	1	069-2535	1	VALVE-GAS (BRAKE ACCUMULATOR)						
	4	1	111-9110	1	PROTECTOR-GAS VALVE						
	5	1	8R-2972	1	KIT-SEAL (BRAKE ACCUMULATOR)						
					(INCLUDES O-RINGS, END SEAL, PISTON RING, BACKUP WASHER)						
	6	1	135-7123	1	PISTON						



GRAPHIC #1

g00368845

BRAKING SYSTEM

180-4000 BASE GP-FOOT BRAKE—RH PEDAL

S/N: BPC1-UP

PART OF 180-3999 CONTROL GP-FOOT BRAKE

SMCS-4269

i01493060

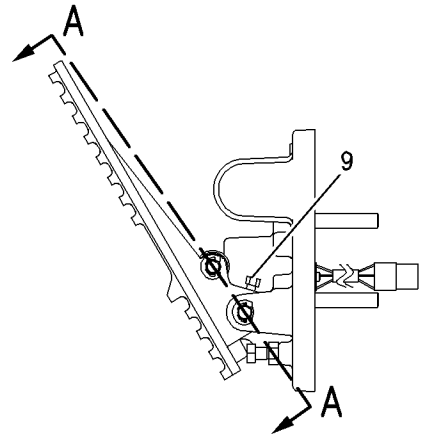
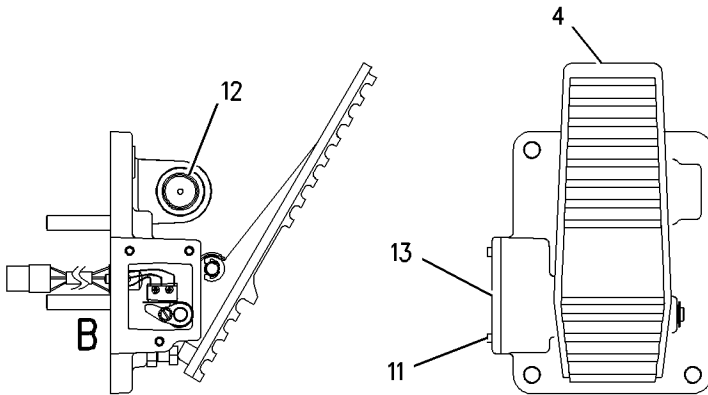
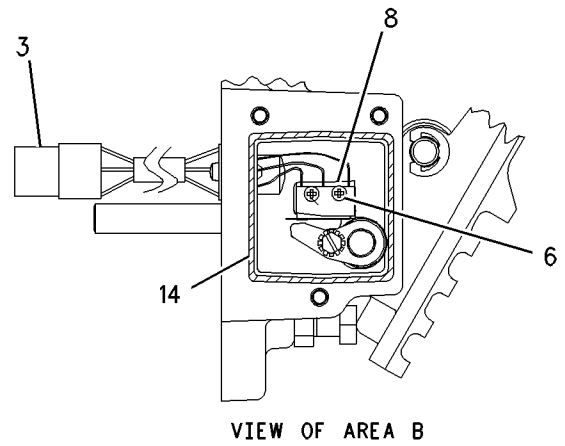
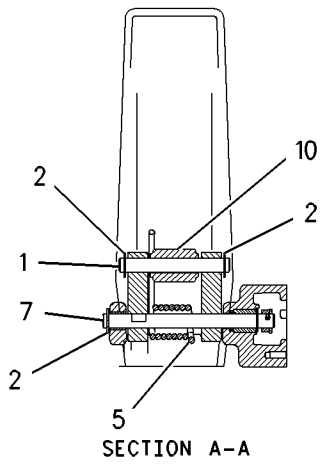
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4E-9664	1	PIN						
	2	1	009-3101	3	RING-RETAINING						
	3	1	112-2276	1	HARNESS AS-BRAKE (RIGHT FOOT BRAKE BASE)						
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
		1	124-5811	1	GROMMET AS						
		1	7S-1201	1	SCREW-MACHINE (8-32X0.375 IN)						
		1	127-4988	1	SWITCH AS-LIMIT (THROTTLE LOCK DEACTIVATION)						
	4	1	113-7752	1	PEDAL-BRAKE						
	5	1	115-2247	1	SPRING						
M	6	1	125-3295	2	SCREW-PAN HEAD (M2.5X0.45X12MM)						
	7	1	146-1891	1	SHAFT AS						
		1	1H-4393	1	LOCKWASHER						
		1	009-3101	1	RING-RETAINING						
		1	6V-6718	1	SCREW-WASHER HEAD						
		1	146-1890	1	PIN						
	8	1	148-5581	1	INSULATOR						
M	9	1	153-6273	1	SETSCREW						
	10	1	163-3926	1	ROLLER						
	11	1	5M-6755	3	SCREW-MACHINE						
	12	1	8S-2225	1	SEAL-LIP						
	13	1	128-0606	1	COVER						
	14	1	128-0607	1	SEAL						

M-METRIC PART

BRAKING SYSTEM

180-4000 BASE GP-FOOT BRAKE (contd.)

i01493060



GRAPHIC #1

g00765563

BRAKING SYSTEM

180-4001 BASE GP-FOOT BRAKE-LH PEDAL

S/N: BPC1-UP

PART OF 180-3999 CONTROL GP-FOOT BRAKE

SMCS-4269

i01520758

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3J-7354	1	SEAL-O-RING	
	2	1	4E-9664	1	PIN	
	3	1	5M-6755	6	SCREW-MACHINE (N010X.562 IN)	
M	4	1	6V-2313	2	BOLT (M5X0.8X30MM)	
	5	1	8S-2225	1	SEAL-LIP	
M	6	1	8T-2899	2	SCREW-MACHINE (M2.5X0.45X6)	
	7	1	009-3101	3	RING-RETAINING	
	8	1	105-6117	1	SWITCH AS-LIMIT (STOP LIGHT)	
	9	1	113-7752	1	PEDAL-BRAKE	
	10	1	115-2247	1	SPRING	
M	11	1	125-3295	2	SCREW-PAN HEAD (M2.5X0.45X12MM)	
	12	1	146-1889	1	PIN	
	13	1	146-1892	1	HARNESS AS-BRAKE (STOP LIGHT) (LEFT FOOT BRAKE BASE)	
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS & WEDGE)	
	14	1	146-1893	1	COVER	
	15	1	146-2598	1	SEAL	
Y	16	1	147-1680	1	SENSOR GP-POSITION (LEFT BRAKE PEDAL)	176
	17	1	149-4925	1	ROLLER	
M	18	1	153-6273	1	SETSCREW	
	19	1	161-0022	1	SWITCH AS-ADJUSTABLE (STOP LIGHT LIMIT)	
	20	1	187-2108	1	TERMINAL	
	21	1	4B-4274	2	WASHER (5.5X13X1.2MM THK)	
	22	1	9S-8002	1	PLUG-O-RING	

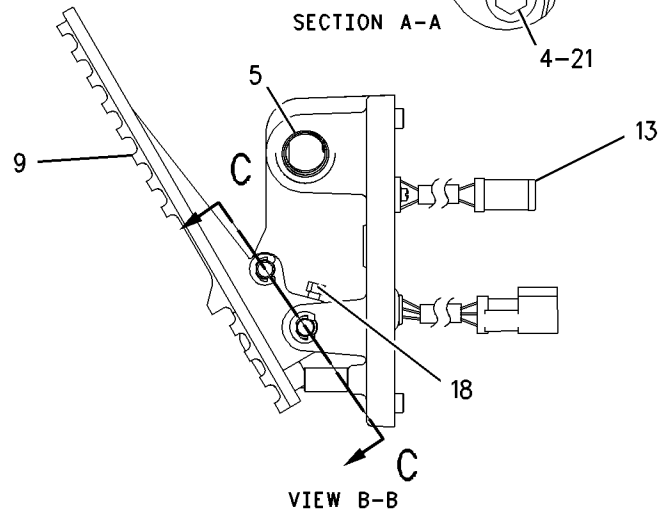
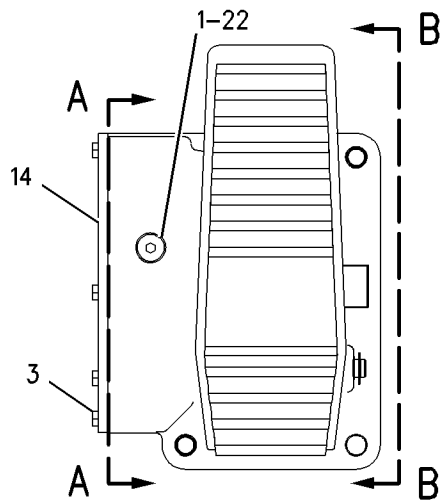
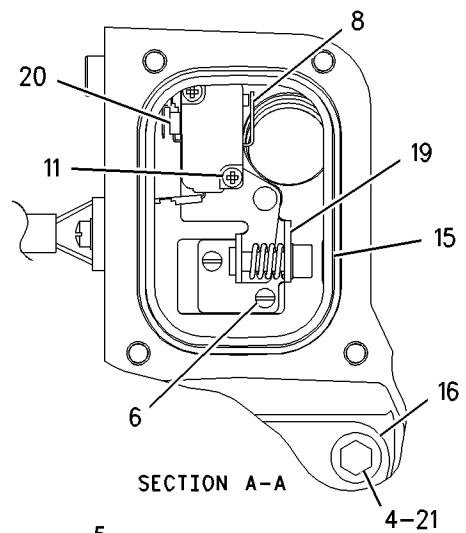
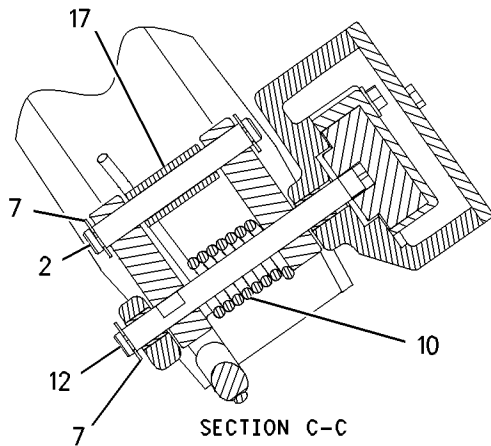
M-METRIC PART

Y-SEPARATE ILLUSTRATION

BRAKING SYSTEM

180-4001 BASE GP-FOOT BRAKE (contd.)

i01520758



GRAPHIC #1

g00764677

BRAKING SYSTEM

174-1552 BRAKE GP-PARKING

S/N: BPC1-UP

PART OF 139-5896 POWER TRAIN AR

SMCS-4267

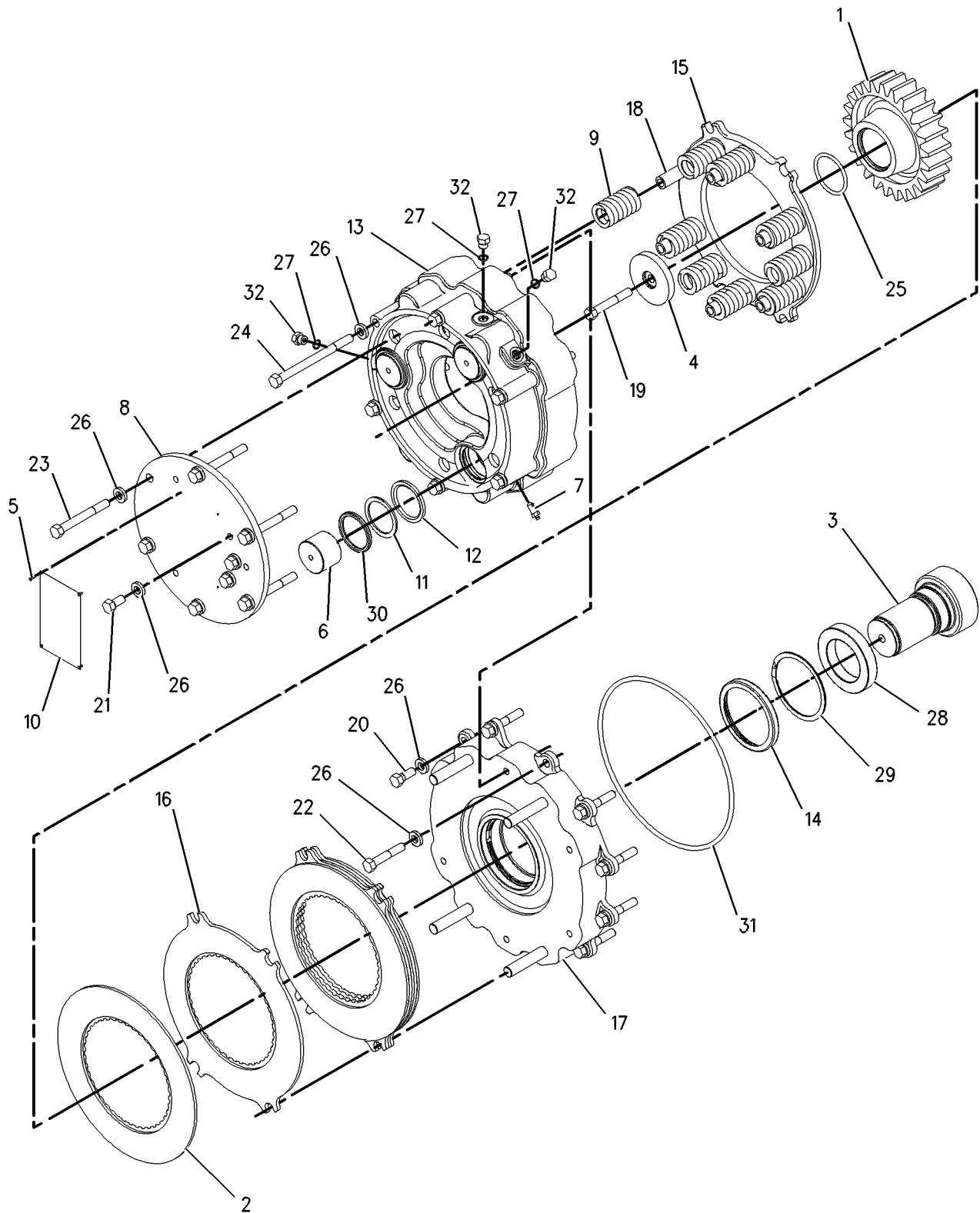
i01369547

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1P-4085	1	HUB	
	2	1	1V-8279	4	DISC AS-BRAKE	
	3	1	3P-3505	1	SHAFT-BRAKE	
	4	1	3S-1262	1	RETAINER	
	5	1	4B-4158	4	SCREW-DRIVE (3/16 X 1/4 IN)	
	6	1	4E-8583	3	PISTON	
	7	1	7K-4942	1	SCREW-PURGE	
	8	1	7S-3996	1	PLATE-RETAINING	
	9	1	7S-3997	9	SPRING	
	10	1	7S-4002	1	PLATE-WARNING	
	11	1	170-6712	3	RING-BACKUP	
	12	1	171-1391	3	SEAL	
	13	1	174-1550	1	HOUSING-BRAKE	
	14	1	177-1483	1	SEAL-LIP TYPE	
	15	1	184-3675	1	PLATE-PRESSURE	
	16	1	184-3677	3	PLATE-REACTION	
	17	1	184-4617	1	CAGE AS	
	18	1	188-0960	6	SPACER	
	19	1	0L-1558	1	BOLT (1/2-20X3.25IN)	
	20	1	0S-1595	2	BOLT (1/2-13X1.25 IN)	
	21	1	0S-1621	3	BOLT (1/2-13X1 IN)	
	22	1	1A-5822	7	BOLT (1/2-13X2.75 IN)	
	23	1	1D-4569	6	BOLT (1/2-13X4.25 IN)	
	24	1	2A-1531	6	BOLT (1/2-13X6.5IN)	
	25	1	2H-2665	1	SEAL-O-RING (62.87MM ID)	
	26	1	2M-0849	24	WASHER-HARD (5MM THK)	
	27	1	3J-1907	3	SEAL-O-RING (11.89MM ID)	
	28	1	3K-2518	1	BALL BEARING	
	29	1	3K-2556	1	RING-RETAINING	
	30	1	7K-9204	3	SEAL-LIP (57.15MM ID)	
	31	1	8H-8257	1	SEAL-O-RING	
	32	1	9S-4191	3	PLUG-O-RING (9/16-18 THD)	

BRAKING SYSTEM

174 - 1552 BRAKE GP - PARKING (contd.)

i01369547



GRAPHIC #1

g00725988

BRAKING SYSTEM

161-9275 BRAKE GP-SERVICE

S/N: BPC1-UP

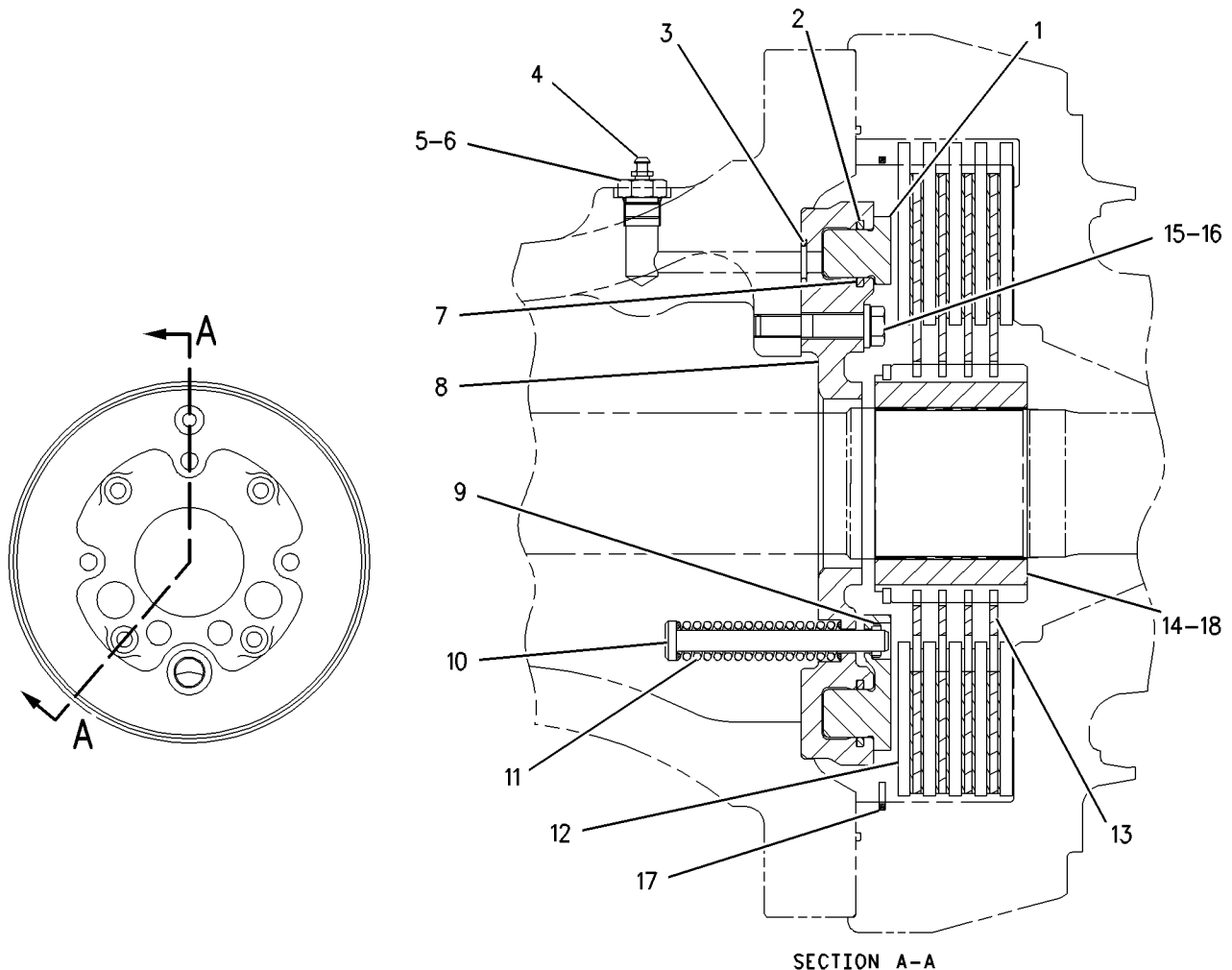
PART OF 137-8833 AXLE AR-FIXED, 137-8832 AXLE AR-OSCILLATING

SMCS-4251

i01222704

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	107-9172	1	PISTON						
	2	1	151-6251	1	SEAL-D-RING						
	3	1	5P-8119	1	SEAL-O-RING (17.04MM ID)						
	4	1	9F-2167	1	SCREW-PURGE						
	5	1	110-2446	1	ADAPTER						
	6	1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
	7	1	151-6250	1	SEAL-D-RING						
	8	1	134-0039	1	HOUSING-PISTON						
	9	1	6M-9155	4	PIN						
	10	1	7V-8346	4	SPRING-GUIDE						
	11	1	8V-3609	4	SPRING-RETRACTOR						
	12	1	118-6606	5	PLATE-OUTER						
	13	1	105-8750	4	DISC-FRICTION						
	14	1	134-0037	1	HUB						
M	15	1	6V-8150	3	BOLT (M12X1.75X60MM)						
	16	1	3H-7654	3	WASHER (3MM THK)						
	17	1	9M-2076	1	RING-SNAP						
	18	1	8T-1141	1	RING-RETAINING						

M-METRIC PART



GRAPHIC #1

g00653361

BRAKING SYSTEM

169-8258 CONTROL GP-FOOT BRAKE

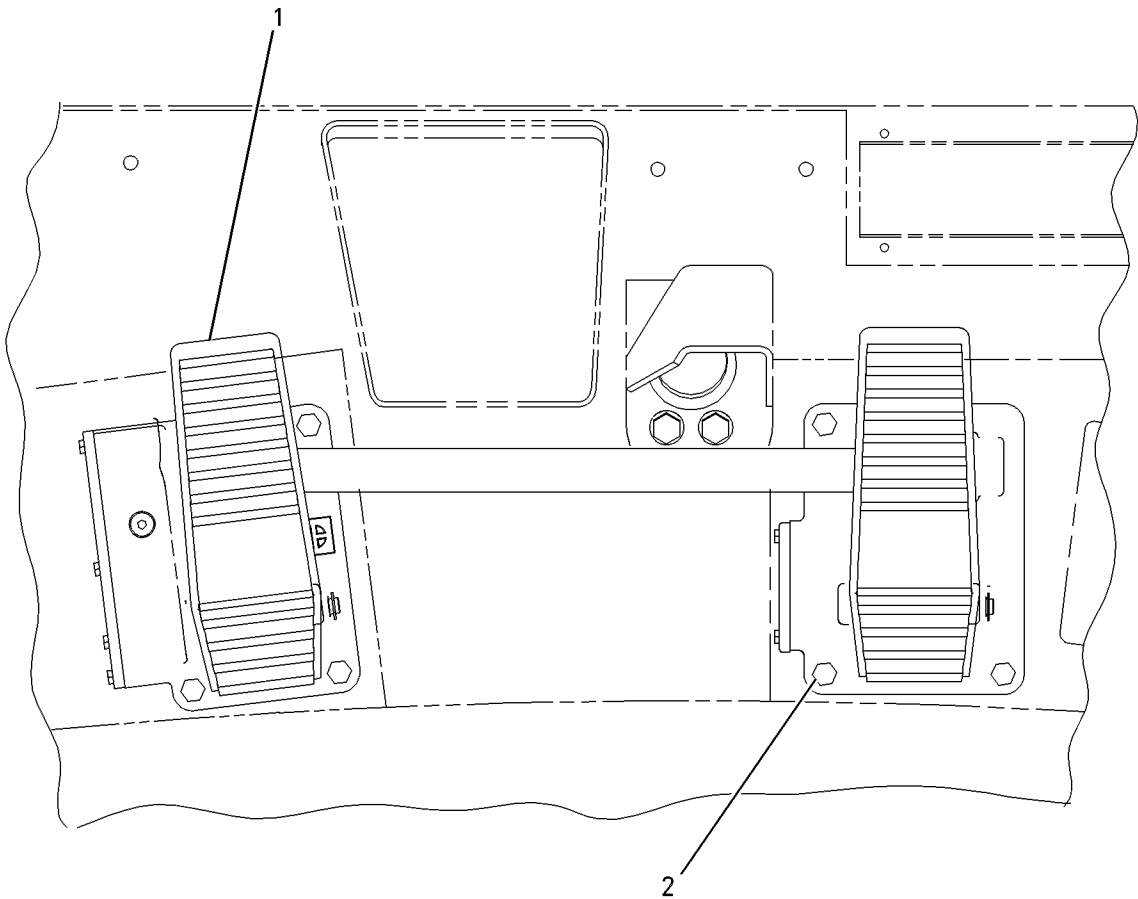
S/N: BPC1-UP
PART OF 202-9743 CAB AR

SMCS-4269

i01493070

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	180-3999	1	CONTROL GP-FOOT BRAKE						442
M	2	1	099-3649	6	BOLT (M8X1.25X40MM)						

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00545845

BRAKING SYSTEM

180-3999 CONTROL GP-FOOT BRAKE

S/N: BPC1-UP

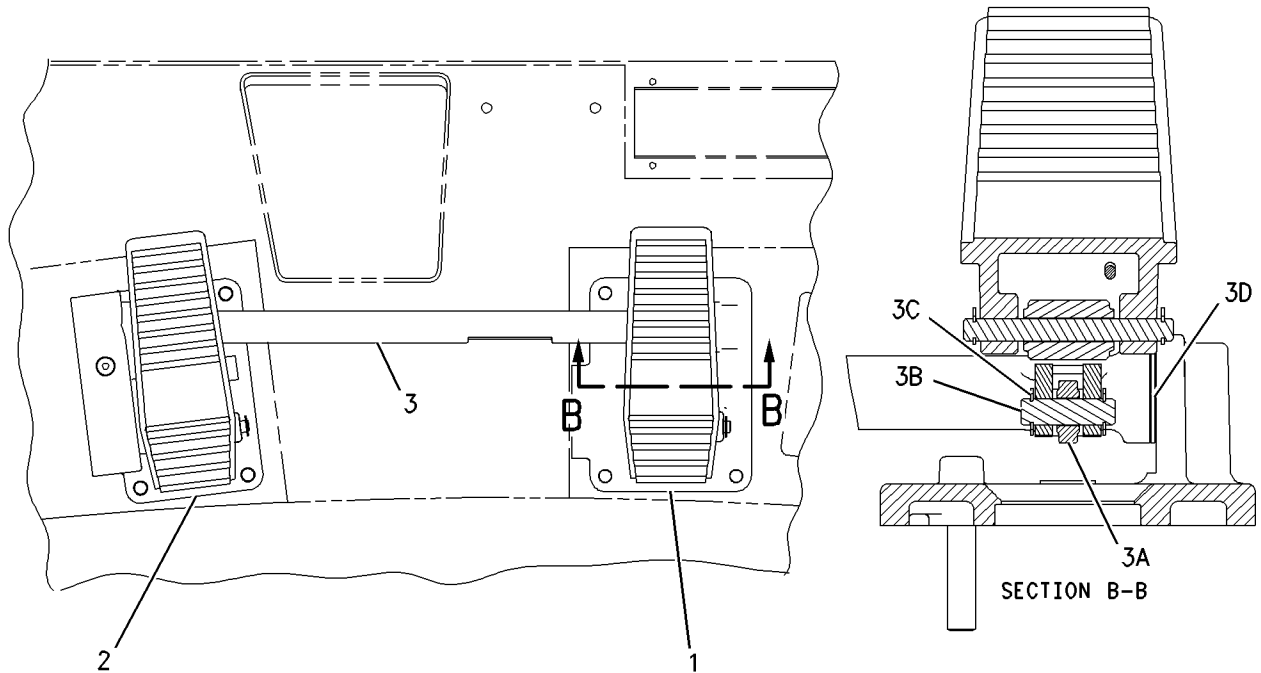
PART OF 169-8258 CONTROL GP-FOOT BRAKE

SMCS-4269

i01465414

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	180-4000	1	BASE GP-FOOT BRAKE (RH PEDAL)	434
Y	2	1	180-4001	1	BASE GP-FOOT BRAKE (LH PEDAL)	436
	3	1	180-3994	1	SHAFT AS	
	3A	1	4E-9667	2	ROLLER	
	3B	1	4E-9668	4	PIN	
	3C	1	009-3101	4	RING-RETAINING	
	3D	1	114-9491	4	WASHER	

Y- SEPARATE ILLUSTRATION



GRAPHIC #1

g00765500

BRAKING SYSTEM

141-4644 CONTROL GP-PARKING BRAKE

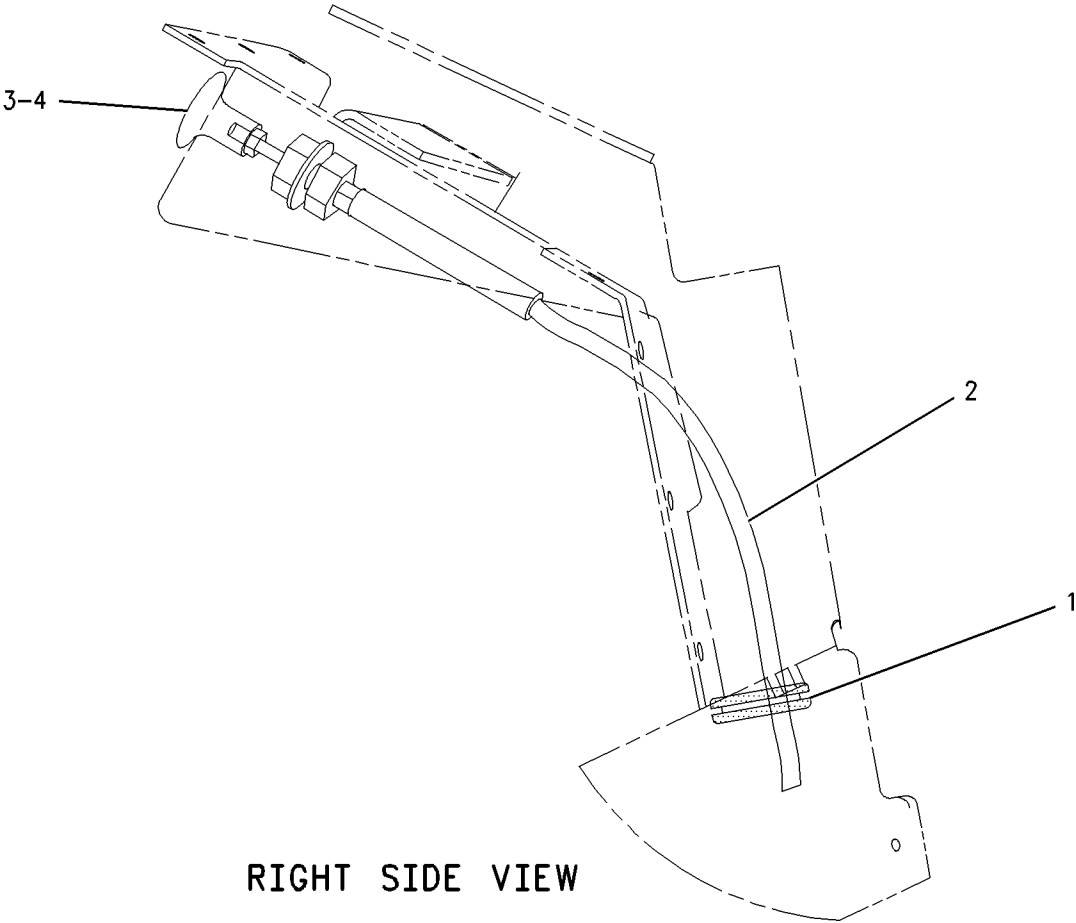
S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-4282, 4284

i01368085

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	113-4659	1	GROMMET						
	2	1	153-6224	1	CABLE AS-PARKING BRAKE CONTROL						
	3	1	122-1671	1	KNOB						
M	4	1	5C-2890	1	NUT (M6X1 THD)						
M-METRIC PART											



GRAPHIC #1

g00702290

BRAKING SYSTEM

142-6188 CONTROL GP-SERVICE BRAKE

S/N: BPC1-UP

PART OF 203-1583 HYDRAULIC AR

SMCS-4257, 4258, 4265, 4269, 4280

i01627921

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	1G-9959	4	CLAMP	
C	2	2	150-3065	1	ADAPTER AS	
	3	2,3	6V-0852	5	CAP-DUST	
	4	2	7V-5628	2	PLATE	
C	5	2,3	164-5586	4	TEE GP	
					(EACH INCLUDES)	
		2,3	7X-0871	1	TEE	
		2,3	6V-8398	1	SEAL-O-RING	
	6	2	8C-3446	1	VALVE GP-FLUID SAMPLING	
	7	2	8C-3451	1	CAP-DUST	
C	8	2	169-5862	1	ELBOW AS	
		2	8C-6712	1	ELBOW	
		2	3J-1907	1	SEAL-O-RING	
	9	3	8R-0721	1	SPACER	
C	10	2	164-5611	1	TEE AS	
		2	8T-3312	1	TEE	
		2	7M-8485	1	SEAL-O-RING	
		2	6V-9746	1	SEAL-O-RING	
Y	11	2	111-9040	2	ACCUMULATOR GP-BRAKE	433
Y	12	2	186-6218	1	VALVE GP-RELIEF (STEERING & IMPLEMENT PILOT)	458
Y	13	2	115-2129	1	FILTER GP-OIL (STEERING & IMPLEMENT PILOT)	528
J	14	2	133-7102	1	VALVE GP-ACCUMULATOR CHARGING	
	15	2	136-0012	1	TUBE AS (LABELED R)	
	16	2	136-0013	1	TUBE AS (LABELED P)	
	17	2	136-0019	1	TUBE AS (LABELED T)	
	18	2	136-9698	1	BRACKET AS	
Y	19	2	146-3725	1	VALVE & MTG GP-PARK BRAKE CONT	454
I	20	3	147-3324	1	HOSE AS (LABELED Y)	
	21	2	153-8070	2	PLATE	
	22	3	153-8076	1	BLOCK	
	23	3	153-8078	1	BRACKET	
	24	3	153-8079	1	PLATE AS	
	25	3	153-8084	1	TUBE AS (LABELED F)	
I	26	2	153-8087	1	HOSE AS (LABELED B)	
I	27	2	153-8088	1	HOSE AS (LABELED C)	
	28	3	153-8091	1	TUBE AS (LABELED G)	
	29	3	154-3364	1	BLOCK	
	30	2	160-2425	1	BRACKET AS	
M		2	8T-3490	3	NUT-WELD (M10X1.5 THD)	
	31	2	160-5539	1	PLATE	
	32	2	161-3278	1	TUBE AS (LABELED H)	
	33	2	161-3282	1	TUBE AS (LABELED J)	
	34	2	161-3496	1	BRACKET	
I	35	3	163-2526	1	HOSE AS (LABELED Z)	
I	36	3	163-2527	1	HOSE AS (LABELED W)	
I	37	3	163-4155	1	HOSE AS (LABELED X)	
I	38	2	163-4156	1	HOSE AS (LABELED A)	
	39	3	163-8027	1	PLATE	
	40	3	163-8704	1	TUBE AS (LABELED E)	
	41	3	163-8705	1	TUBE AS (LABELED D)	
	42	3	200-0866	1	VALVE GP-BRAKE CONTROL (SERVICE)	
I	43	2	175-3641	1	HOSE AS (LABELED M)	
I	44	3	175-3642	1	HOSE AS (LABELED N)	
I	45	2	175-3643	1	HOSE AS (LABELED U)	
I	46	2	175-3644	1	HOSE AS (LABELED V)	
I	47	3	175-3645	1	HOSE AS (LABELED L)	

BRAKING SYSTEM

142-6188 CONTROL GP-SERVICE BRAKE (contd.)

i01627921

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
I	48	3	175-3646	1	HOSE AS (LABELED K)	
	49	2	122-5855	1	SPACER	
	50	3	148-8336	1	CONNECTOR GP	
		3	6V-8636	1	CONNECTOR	
		3	3J-1907	1	SEAL-O-RING	
		3	6V-8397	1	SEAL-O-RING	
51	3	148-8339	1	CONNECTOR GP		
	3	6V-8716	1	CONNECTOR		
	3	6V-9746	1	SEAL-O-RING		
	3	7M-8485	1	SEAL-O-RING		
52	2,3	148-8340	5	CONNECTOR GP		
				(EACH INCLUDES)		
	2,3	6V-8639	1	CONNECTOR		
	2,3	3K-0360	1	SEAL-O-RING		
	2,3	6V-8398	1	SEAL-O-RING		
53	2,3	148-8347	4	ELBOW GP		
				(EACH INCLUDES)		
	2,3	6V-9007	1	ELBOW		
	2,3	3D-2824	1	SEAL-O-RING		
	2,3	6V-9746	1	SEAL-O-RING		
54	3	148-8354	2	ELBOW GP		
				(EACH INCLUDES)		
	3	6V-9002	1	ELBOW		
	3	3K-0360	1	SEAL-O-RING		
	3	6V-8398	1	SEAL-O-RING		
55	3	148-8364	1	ELBOW GP		
	3	6V-8625	1	ELBOW		
	3	3K-0360	1	SEAL-O-RING		
	3	6V-8398	1	SEAL-O-RING		
56	2,3	148-8370	6	ELBOW GP		
				(EACH INCLUDES)		
	2,3	6V-9851	1	ELBOW		
	2,3	6V-8398	1	SEAL-O-RING		
	3	148-8375	1	ELBOW GP		
57	3	6V-8981	1	ELBOW		
	3	6V-8398	2	SEAL-O-RING		
	2	148-8407	2	PLUG GP		
				(EACH INCLUDES)		
58	2	9S-4191	1	PLUG-STRAIGHT THREAD		
	2	3J-1907	1	SEAL-O-RING		
	3	148-8427	1	TEE AS-ORFS		
	3	8T-6895	1	TEE-UNION ORIFICE		
	3	6V-8398	3	SEAL-O-RING		
60	3	148-8442	1	TEE AS		
	3	8T-1685	1	TEE		
	3	6V-9746	2	SEAL-O-RING		
	3	7M-8485	1	SEAL-O-RING		
61	2,3	148-8444	3	TEE GP		
				(EACH INCLUDES)		
	2,3	6V-9837	1	TEE-SWIVEL		
	2,3	6V-8398	2	SEAL-O-RING		
	2	148-8454	1	TEE GP		
62	2	6V-8789	1	TEE		
	2	6V-8398	3	SEAL-O-RING		
	3	150-3037	1	ELBOW AS		
	3	8T-2530	1	ELBOW		
	3	3K-0360	1	SEAL-O-RING		
63	3	7J-9108	1	SEAL-O-RING		
	2	1B-3057	2	CLIP		

BRAKING SYSTEM

142-6188 CONTROL GP -SERVICE BRAKE (contd.)

i01627921

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	65	2	1S-0994	1	CLIP	
C	66	2,3	203-5871	1	TUBE AS (REMOTE PARKING BRAKE AIR PURGE)	
	67	2	3J-7354	1	SEAL-O-RING	
	68	2	4J-0520	1	SEAL-O-RING	
	69	2	4S-4455	1	CLIP	
	70	2	5P-7464	1	CLIP (SLOT)	
	71	2	5P-7465	1	CLIP (TAB)	
	72	2	5P-7854	1	CLIP	
	73	2	6V-1228	1	CLIP	
	74	2	6V-1249	1	GROMMET	
C	75	2,3	164-5567	5	FITTING GP	
					(EACH INCLUDES)	
		2,3	6V-3965	1	FITTING AS	
		2,3	3J-1907	1	SEAL-O-RING	
C	76	3	6V-8397	2	SEAL-O-RING	
C	77	2	6V-8398	4	SEAL-O-RING	
	78	2	6V-9169	2	NUT-BULKHEAD (13/16-16 THD)	
C	79	2	187-0682	1	CONNECTOR AS	
		2	187-0681	1	CONNECTOR	
		2	6V-8397	1	SEAL-O-RING	
		2	3J-7354	1	SEAL-O-RING	
CI	81	2	203-5870	1	HOSE AS (ROMOTE PARKING BRAKE AIR PURGE)	
	82	2	7X-0605	2	WASHER-HARD (13X28X1.6MM THK)	
M	83	2	7X-2535	4	BOLT (M6X1X60MM)	
	84	2	8C-3206	2	FLANGE-HALF	
	85	2	8D-9947	1	CLIP	
	86	2	8S-4223	1	SPACER	
C	87	2	164-5607	1	TEE AS	
		2	8T-1684	1	TEE	
		2	7M-8485	1	SEAL-O-RING	
		2	7J-9108	2	SEAL-O-RING	
	88	2,3	8T-1885	2	CLIP (SLOT)	
	89	2,3	8T-1886	2	CLIP (TAB)	
C	90	2,3	8T-4121	34	WASHER-HARD (11X21X2.5MM THK)	
M	91	2,3	8T-4133	2	NUT (M10X1.5 THD)	
M	92	2	8T-4136	3	BOLT (M10X1.5X25MM)	
CM	93	2	8T-4137	11	BOLT (M10X1.5X20MM)	
M	94	2	8T-4139	1	BOLT (M12X1.75X30MM)	
M	95	2	8T-4178	5	BOLT (M10X1.5X90MM)	
M	96	2	8T-4179	2	BOLT (M12X1.75X20MM)	
CM	97	2	8T-4956	4	BOLT (M12X1.75X35MM)	
M	98	3	8T-4186	2	BOLT (M10X1.5X40MM)	
M	99	2	8T-4192	10	BOLT (M12X1.75X25MM)	
M	100	2	8T-4194	1	BOLT (M12X1.75X50MM)	
M	101	2,3	8T-4195	5	BOLT (M10X1.5X30MM)	
M	102	2,3	8T-4196	5	BOLT (M10X1.5X35MM)	
C	103	2	8T-4223	14	WASHER-HARD (13.5X25.5X3MM THK)	
M	104	3	8T-5005	4	BOLT (M10X1.50X70MM)	
M	105	2	8T-5092	2	BOLT (M12X1.75X150MM)	
M	106	2,3	8T-6466	2	BOLT (M10X1.50X60MM)	
	107	2,3	9X-8250	9	CLIP	
	108	2	9X-8256	4	WASHER (6.6X12X2MM THK)	
C	109	2	153-6252	6	CONNECTOR GP	
					(EACH INCLUDES)	
		2	9X-8408	1	CONNECTOR	
		2	7M-8485	1	SEAL-O-RING	
		2	6V-8398	1	SEAL-O-RING	
C	110	2	148-8378	1	ELBOW GP	
		2	6V-8724	1	ELBOW	

BRAKING SYSTEM

142-6188 CONTROL GP-SERVICE BRAKE (contd.)

i01627921

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
		2	3J-1907	1	SEAL-O-RING						
		2	6V-8397	1	SEAL-O-RING						
C	111	2	7K-4942	1	SCREW-PURGE (PARKING BRAKE SYSTEM AIR)						
C	112	2	6V-3265	1	CLIP						
C	113	2	7X-7729	2	WASHER (11X25X3MM THK)						
C	114	2	5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
					AVAILABLE REPAIR KIT(S) :						
J			143-9148	1	KIT-REPAIR						
C-CHANGE FROM PREVIOUS TYPE											
I-SEE HOSE FABRICATION GUIDE											
J-KIT MARKED J AVAILABLE FOR PART MARKED J											
M-METRIC PART											
Y-SEPARATE ILLUSTRATION											

BRAKING SYSTEM

142-6188 CONTROL GP -SERVICE BRAKE (contd.)

i01627921

BREAK LINES ROUTING INDEX				
ITEM	LINE I.D.	FUNCTION	FROM	TO
20	Y	PARKING BRAKE ACTUATION	PARKING BRAKE VALVE	PARKING BRAKE
25	F	BRAKE CHARGING LINE	ACCUM CHARGE VALVE(A2 PORT)	ACCUMULATOR
26	B	ACCUM CHRG VALVE RETURN	ACCUM CHRG V TANK PORT	HYDRAULIC TANK
27	C	PILOT/NEUT SUPPLY	ACCUMULATOR CHARGE VALVE	HYDRAULIC OIL FILTER INLET
28	G	BRAKE CHARGING LINE	ACCUM CHARGE VALVE(A1 PORT)	ACCUMULATOR
32 47	H,L	REAR SERVICE BRAKE V SUPPLY	ACCUMULATOR	SERVICE BRAKE VALVE
33 48	J,K	FRONT SERVICE BRAKE V SUPPLY	ACCUMULATOR	SERVICE BRAKE VALVE
35	Z	PARKING BRAKE ACTUATION	PARKING BRAKE VALVE	BRAKE RETURN MANIFOLD
36	W	RETURN	BRAKE RETURN MANIFOLD	HYDRAULIC TANK
37	X	PARKING BRAKE SUPPLY	TEE IN FRONT BRAKE SUPPLY	PARKING BRAKE VALVE
38	A	SUPPLY	BRAKE/PILOT PUMP	ACCUMULATOR CHARGE VALVE
40	E	RELIEF VALVE RETURN	RELIEF VALVE OUTLET	HYDRAULIC TANK
41	D	PILOT/NEUT SUPPLY	HYDRAULIC OIL FILTER OUTLET	RELIEF VALVE INLET
43 16 15	M,P,R	FRONT SERVICE BRAKE ACUTATION	SERVICE BRAKE VALVE A1	FRONT AXLE
44 17	N,T	REAR SERVICE BRAKE ACTUATION	SERVICE BRAKE VALVE A2	REAR AXLE
45	U	FRONT SERVICE BRAKE V RETURN	SERVICE BRAKE VALVE	RETURN MANIFOLD
46	V	REAR SERVICE BRAKE V RETURN	SERVICE BRAKE VALVE	RETURN MANIFOLD

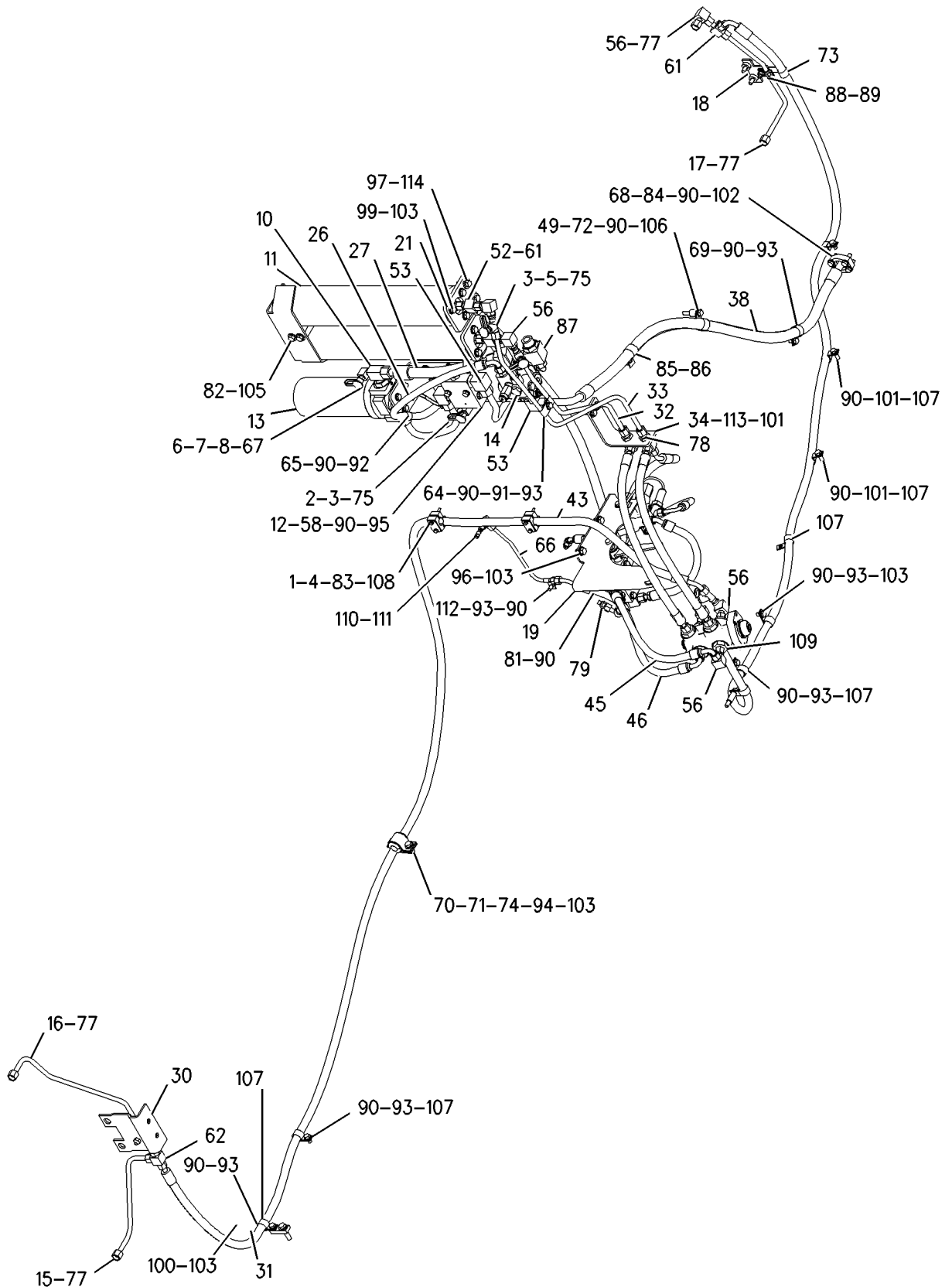
GRAPHIC #1

g00691194

BRAKING SYSTEM

142-6188 CONTROL GP - SERVICE BRAKE (contd.)

i01627921



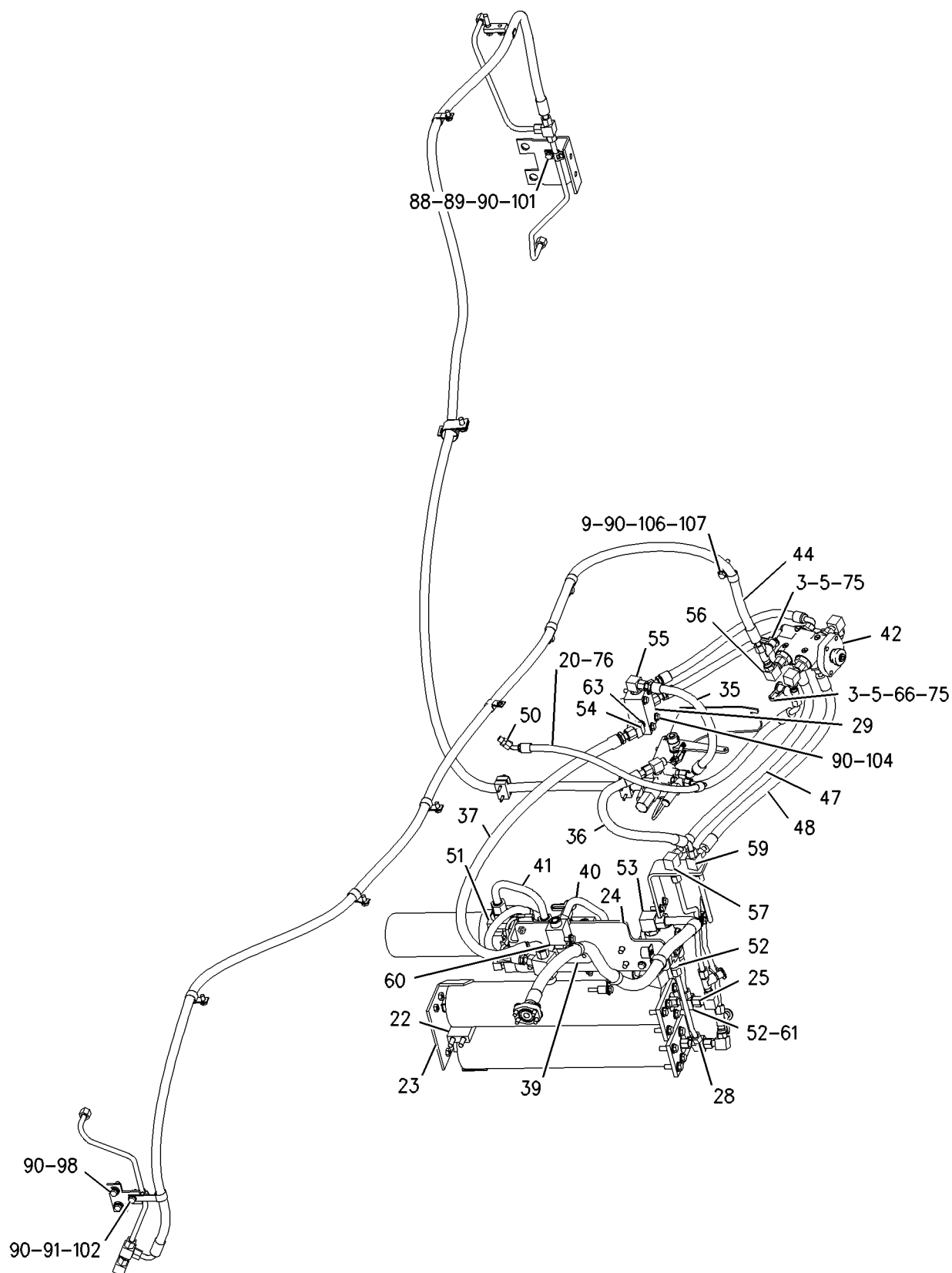
GRAPHIC #2

g00821047

BRAKING SYSTEM

142-6188 CONTROL GP-SERVICE BRAKE (contd.)

i01627921



GRAPHIC #3

g00821048

BRAKING SYSTEM

125 - 1355 LINES GP-SERVICE BRAKE

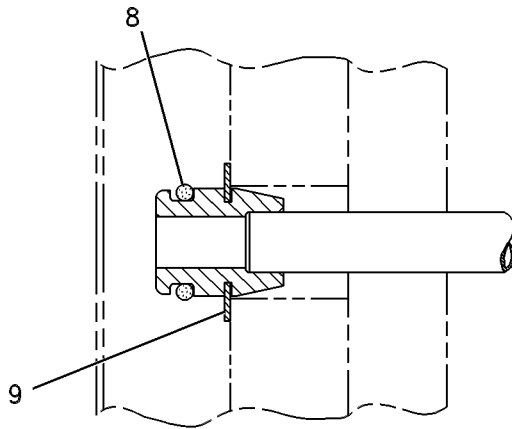
S/N: BPC1-UP

PART OF 137-8832 AXLE AR-OSCILLATING

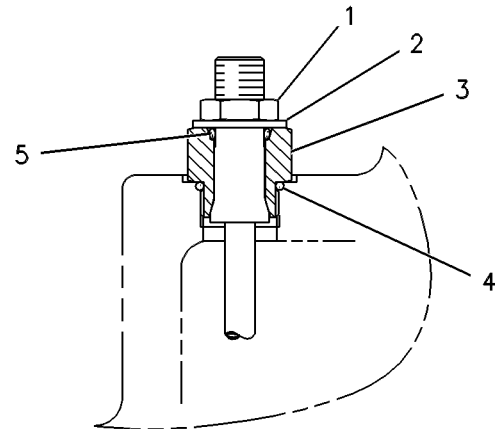
SMCS-4257

i00173407

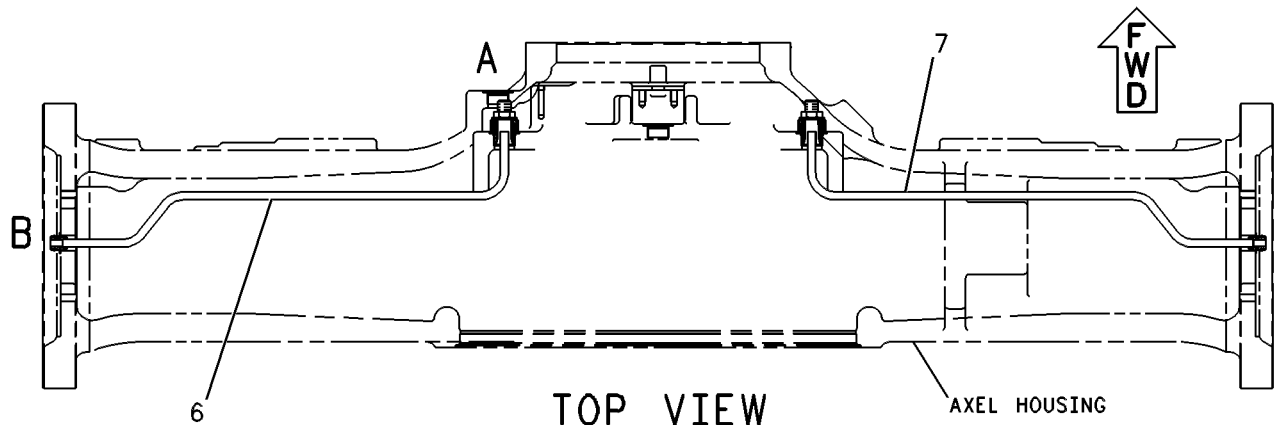
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-9169	2	NUT-BULKHEAD (13/16-16 THD)						
	2	1	8T-5439	2	WASHER (6.0MM THK)						
	3	1	125-0966	2	PLUG						
	4	1	7M-8485	2	SEAL-O-RING (29.74MM ID)						
	5	1	1H-8171	2	SEAL-O-RING (20.22MM ID)						
	6	1	125-1357	1	TUBE AS						
	7	1	125-1356	1	TUBE AS						
	8	1	5P-8119	2	SEAL-O-RING (17.04MM ID)						
	9	1	125-0965	2	RING-RETAINING						



VIEW OF AREA B



VIEW OF AREA A



TOP VIEW

AXEL HOUSING

GRAPHIC #1

g00121210

BRAKING SYSTEM

125 - 1358 LINES GP-SERVICE BRAKE

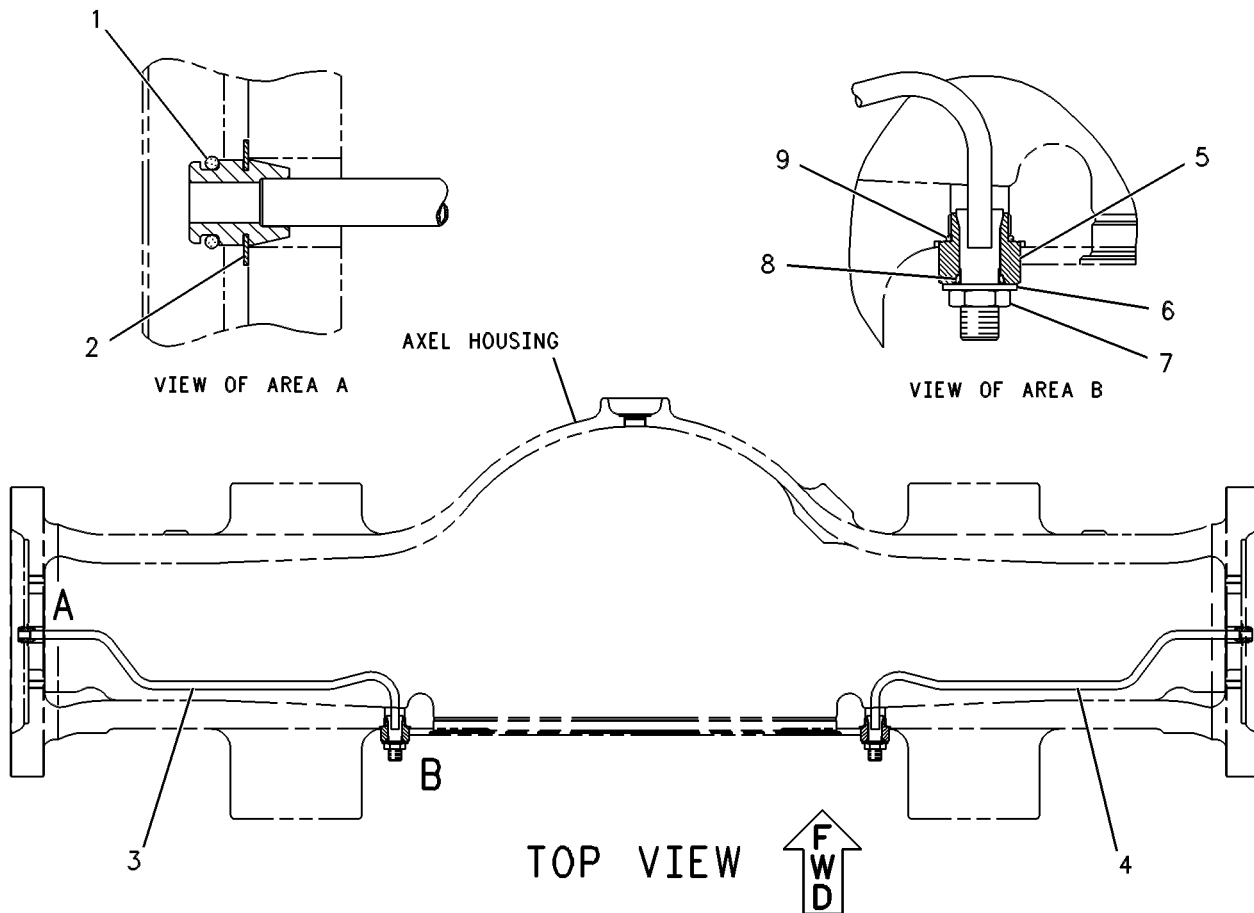
S/N: BPC1-UP

PART OF 137-8833 AXLE AR-FIXED

SMCS-4257

i00173408

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-8119	2	SEAL-O-RING (17.04MM ID)						
	2	1	125-0965	2	RING-RETAINING						
	3	1	125-1360	1	TUBE AS						
	4	1	125-1359	1	TUBE AS						
	5	1	125-0966	2	PLUG						
	6	1	8T-5439	2	WASHER (6.0MM THK)						
	7	1	6V-9169	2	NUT-BULKHEAD (13/16-16 THD)						
	8	1	1H-8171	2	SEAL-O-RING (20.22MM ID)						
	9	1	7M-8485	2	SEAL-O-RING (29.74MM ID)						



GRAPHIC #1

g00121213

MEMORANDA

BRAKING SYSTEM

146-3725 VALVE & MTG GP-PARK BRAKE CONT

S/N: BPC1-UP

PART OF 142-6188 CONTROL GP-SERVICE BRAKE

SMCS-4282

i01376624

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1A-4790	4	WASHER	
	2	1	3B-4607	3	COTTER	
	3	1	3E-2310	1	TEE	
	4	1	174-4312	1	SWITCH AS-PRESSURE (PARKING BRAKE OIL)	
	4A	1	102-8803	1	KIT-RECEPTACLE (3 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
	4B	1	3E-3371	1	WEDGE-RECEPTACLE LOCK	
	4C	1	8T-8729	3	PIN-CONNECTOR	
	5	1	4B-2913	1	PIN-CLEVIS	
	6	1	4V-1541	1	COLLAR	
	7	1	5P-6724	1	BEARING-ROLLER	
	8	1	7X-2618	2	PIN	
	9	1	8T-0741	2	SEAL-LIP	
	10	1	101-3846	1	ROD-CONTROL	
Y	11	1	106-1774	1	VALVE GP-BRAKE CONTROL (PARKING)	456
	12	1	146-9408	1	BRACKET AS	
	13	1	160-0222	1	LEVER AS	
	14	1	115-3069	1	CLIP AS-CONNECTOR	
	15	1	3J-1907	1	SEAL-O-RING (11.89MM ID)	
	16	1	150-4043	1	CONNECTOR AS	
		1	6V-9873	1	CONNECTOR	
	16A	1	3J-1907	1	SEAL-O-RING (11.89MM ID)	
	16B	1	6V-8398	1	SEAL-O-RING (12.47MM ID)	
M	17	1	8T-4189	2	BOLT (M8X1.25X20MM)	
	18	1	8T-4224	2	WASHER-HARD (8.8X16X2MM THK)	
	19	1	148-8365	1	ELBOW AS	
		1	8T-6876	1	ELBOW-ORFS (90 DEGREE)	
	19A	1	3J-1907	1	SEAL-O-RING (11.89MM ID)	
	19B	1	6V-8397	1	SEAL-O-RING (9.27MM ID)	

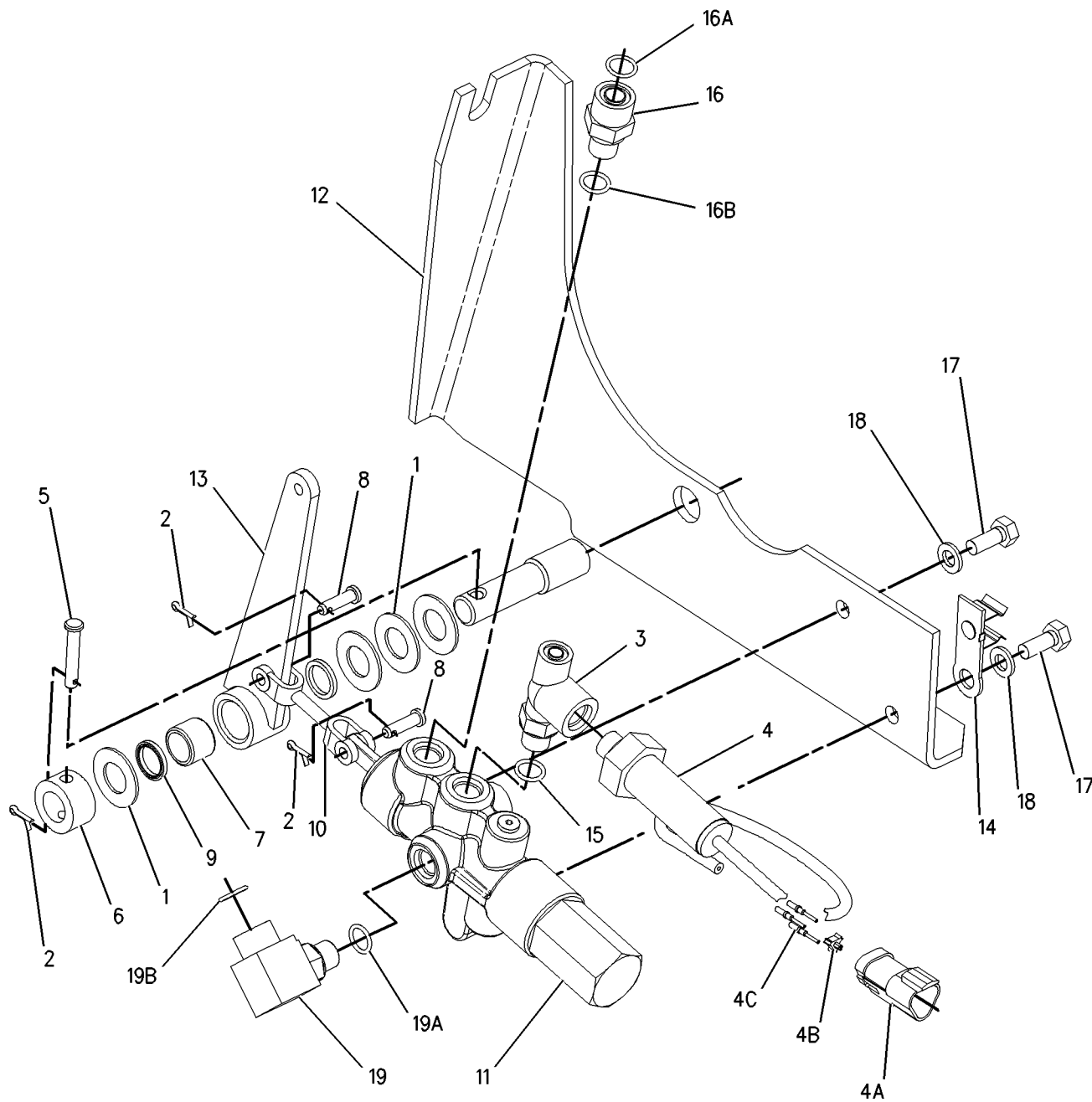
M-METRIC PART

Y-SEPARATE ILLUSTRATION

BRAKING SYSTEM

146-3725 VALVE & MTG GP-PARK BRAKE CONT (contd.)

i01376624



GRAPHIC #1

g00728043

BRAKING SYSTEM

106-1774 VALVE GP-BRAKE CONTROL-PARKING

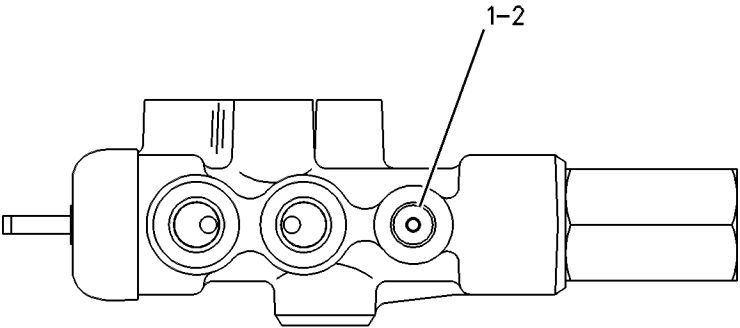
S/N: BPC1-UP

PART OF 146-3725 VALVE & MTG GP-PARK BRAKE CONT

SMCS-4265, 4282

i01105696

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9S-8001	2	PLUG-O-RING (5/16-24 THD)						
	2	1	4J-7533	2	SEAL-O-RING (6.07MM ID)						



GRAPHIC #1

g00261899

BRAKING SYSTEM

139-3544 VALVE GP-RELIEF-PILOT

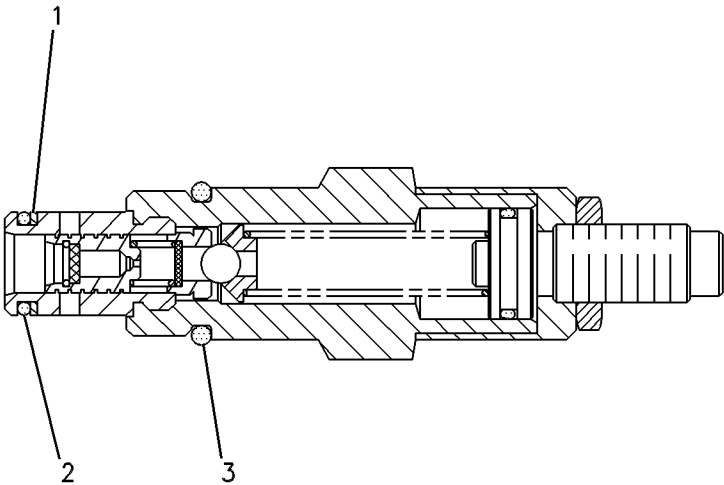
S/N: BPC1-UP

PART OF 186-6218 VALVE GP-RELIEF

SMCS-4322, 5069, 7428

i01273398

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-6923	1	RING-BACKUP (13.16MM ID)						
	2	1	033-6033	1	SEAL-O-RING (12.42MM ID)						
	3	1	2M-9780	1	SEAL-O-RING (19.18MM ID)						



GRAPHIC #1

g00086700

BRAKING SYSTEM

186-6218 VALVE GP-RELIEF-STEERING & IMPLEMENT PILOT

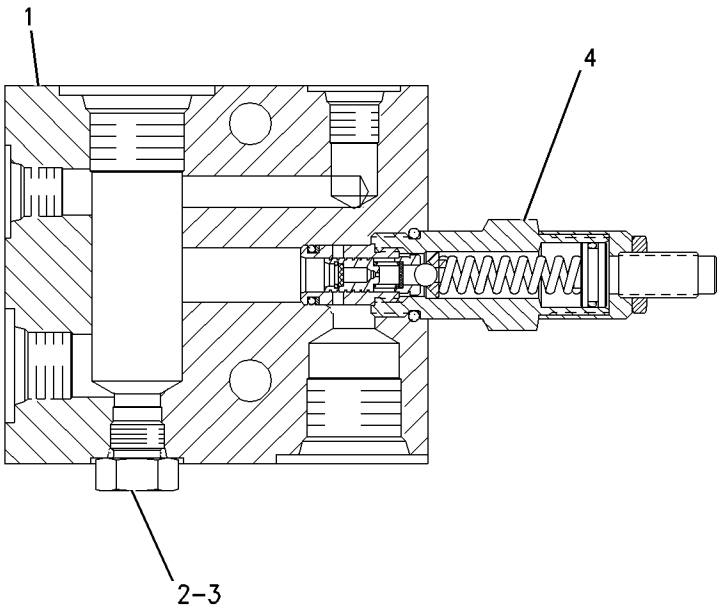
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PART OF 142-6188 CONTROL GP-SERVICE BRAKE

SMCS-4322, 5069, 7428

i01493080

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	138-3815	1	MANIFOLD						
	2	1	3J-1907	1	SEAL-O-RING						
	3	1	9S-4191	1	PLUG-STRAIGHT THREAD						
Y	4	1	139-3544	1	VALVE GP-RELIEF (PILOT)						457
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

g00687387

MEMORANDA

STEERING SYSTEM

141-4940 CONTROL GP-STEERING-STIC

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-4304, 4309, 4310, 4338

i01512082

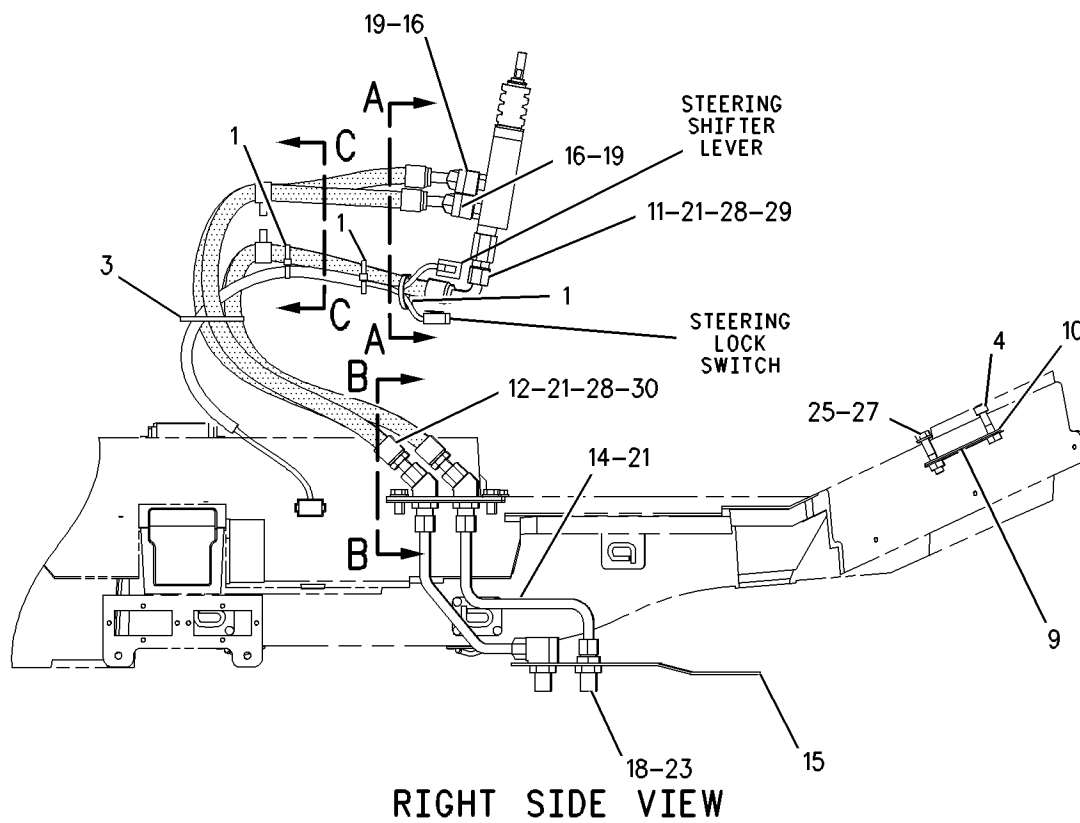
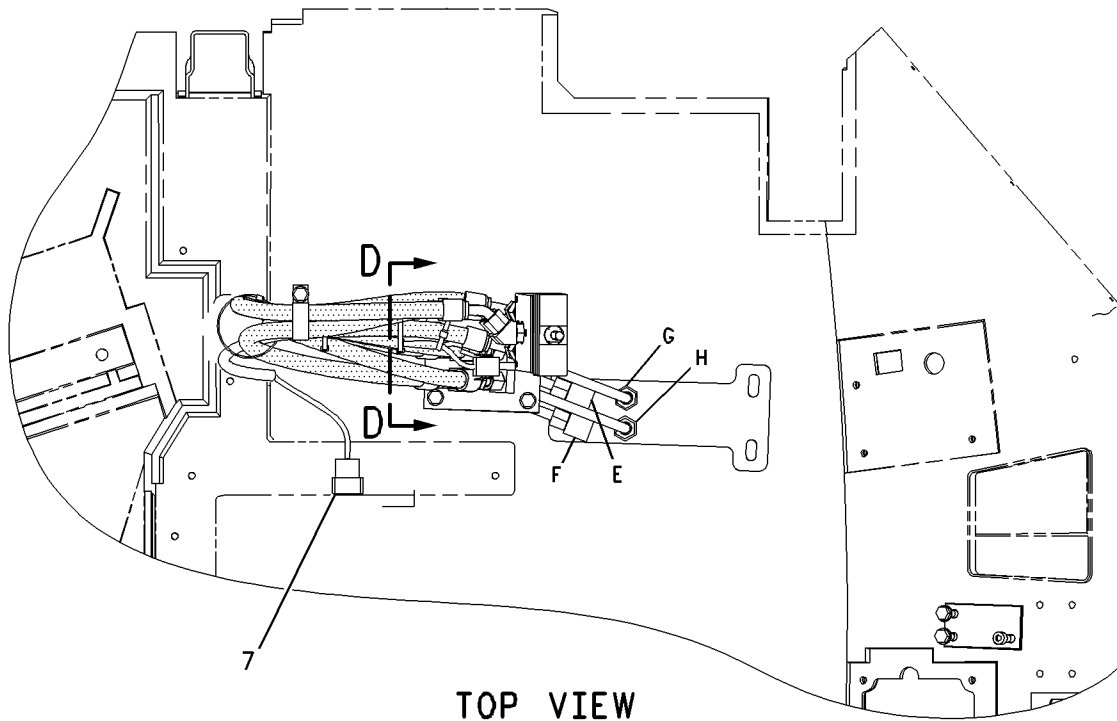
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3S-2093	3	STRAP-CABLE	
	2	2	5K-1094	4	LOCKWASHER	
	3	1	7K-1181	1	STRAP-CABLE	
M	4	1	105-3477	1	BOLT-HEX SOCKET (M10X1.5X45MM)	
	5	2	141-4936	1	PAD	
Y	6	2	143-2855	1	VALVE GP-PILOT (STIC STEERING)	493
	7	1	151-2094	1	HARNESS AS-STEERING (TRANSMISSION SHIFTER)	
		1	102-8801	1	KIT-RECEPTACLE (12 PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	155-2265	1	KIT-CONNECTING PLUG (8 PIN)	
		1	155-2271	1	KIT-CONNECTING PLUG (4 PIN)	
					(EACH KIT-CONNECTING PLUG INCLUDES PLUG AS & WEDGE)	
		1	8T-8737	2	PLUG-SEAL	
	8	2	155-6563	1	PLATE	
	9	1	163-5646	1	PLATE AS	
M		1	8T-3490	3	NUT-WELD (M10X1.5 THD)	
	10	1	163-5647	1	GASKET	
I	11	1	180-2595	2	HOSE AS	
I	12	1	180-2596	2	HOSE AS	
	13	2	180-9971	2	TUBE AS	
	14	1	180-9972	2	TUBE AS	
	15	1	187-1867	1	PLATE	
	16	1	136-3607	2	ELBOW	
	17	2	148-8375	2	ELBOW AS	
					(EACH INCLUDES)	
		2	6V-8981	1	ELBOW	
		2	6V-8398	2	SEAL-O-RING	
18	1		148-8457	2	UNION GP	
					(EACH INCLUDES)	
		1	6V-8995	1	UNION-BULKHEAD	
		1	6V-8398	2	SEAL-O-RING	
	19	1,2	3K-0360	4	SEAL-O-RING	
	20	2	6D-4247	2	CLIP	
	21	1,2	6V-8398	12	SEAL-O-RING	
	22	2	6V-8988	4	ELBOW	
	23	1,2	6V-9169	8	NUT-BULKHEAD (13/16-16 THD)	
	24	2	6V-8639	2	CONNECTOR	
	25	1,2	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)	
M	26	2	8T-4136	6	BOLT (M10X1.5X25MM)	
M	27	1	8T-4185	2	BOLT (M10X1.5X50MM)	
	28	1	163-8811	8	CLAMP	
G	29	1	160-2243		SLEEVE-ABRASION (6.69 IN)	
G	30	1	160-2243		SLEEVE-ABRASION (7.09 IN)	

G-ORDER BY THE INCH
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

STEERING SYSTEM

141-4940 CONTROL GP-STEERING (contd.)

i01512082



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

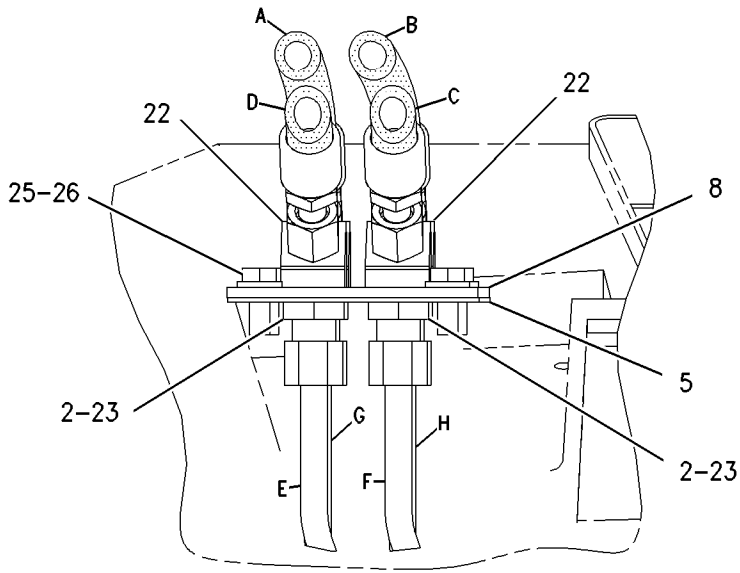
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g00711120

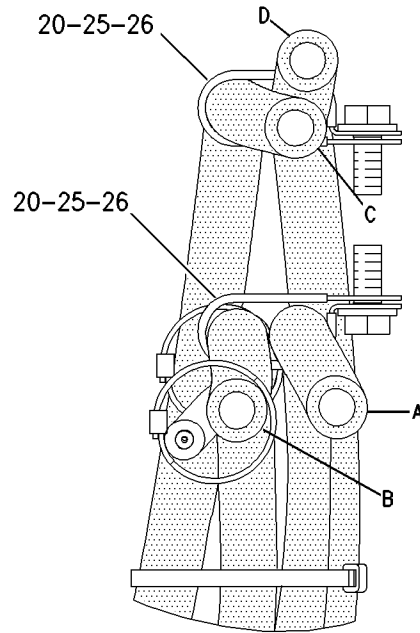
STEERING SYSTEM

141-4940 CONTROL GP-STEERING (contd.)

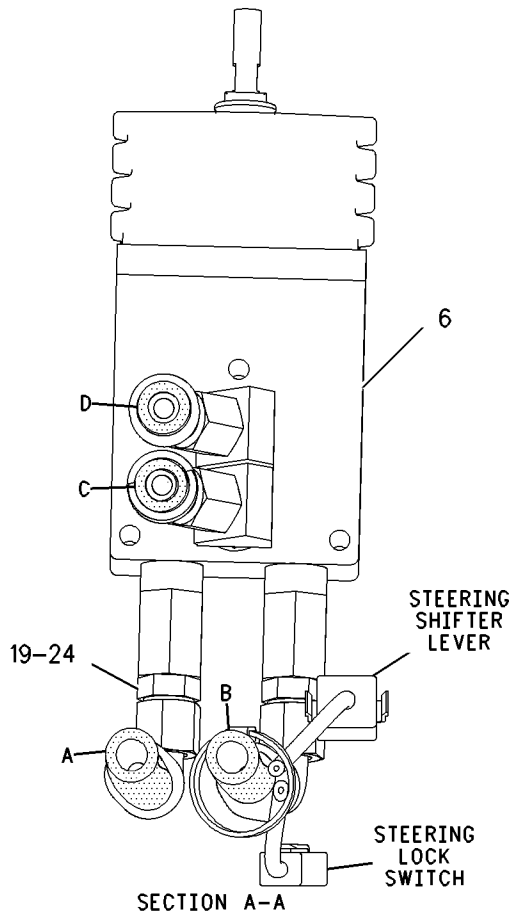
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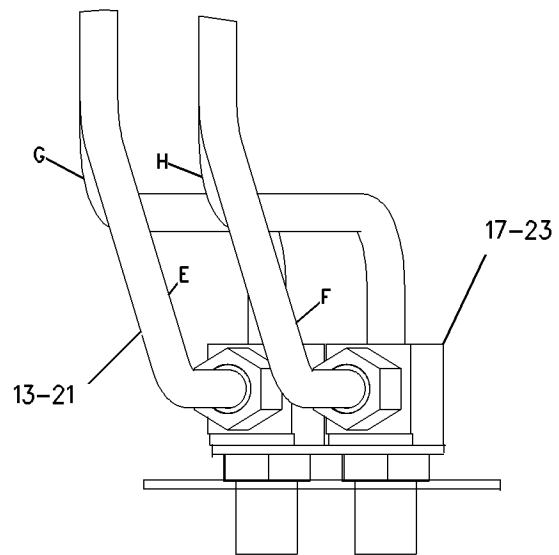
SECTION B-B



SECTION C-C



SECTION A-A



SECTION D-D

GRAPHIC #2

g00711123

STEERING SYSTEM

176-2466 CYLINDER & MTG GP-STEERING

S/N: BPC1-UP

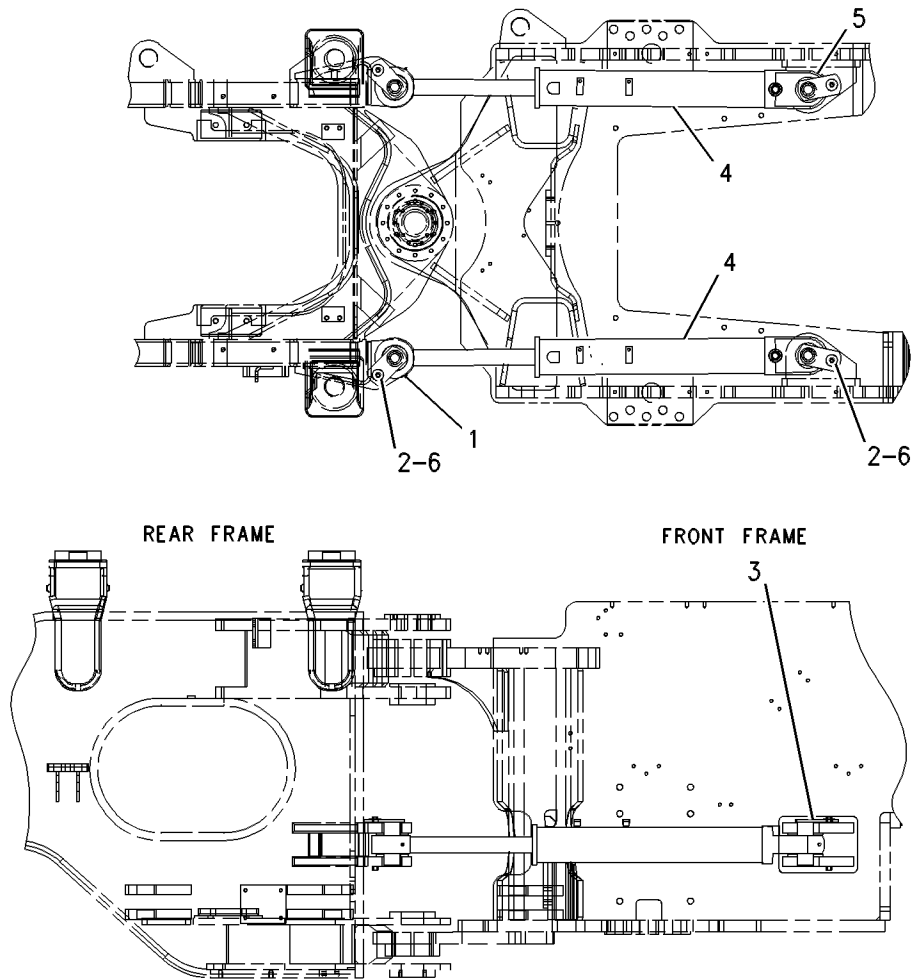
PART OF 203-1583 HYDRAULIC AR

SMCS-4303

i01171109

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3B-8489	2	FITTING-GREASE (1/8-27 THD)						
	2	1	134-0165	4	WASHER						
	3	1	151-1215	4	PIN AS						
Y	4	1	175-5521	2	CYLINDER GP-STEERING						464
	5	1	5M-6214	2	PLUG-PIPE (1/8-27 THD)						
M	6	1	7X-2548	4	BOLT (M12X1.75X16MM)						

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00626115

STEERING SYSTEM

175-5521 CYLINDER GP-STEERING

S/N: BPC1-UP

114.3 MM BORE X 740 MM STROKE

PART OF 176-2466 CYLINDER & MTG GP-STEERING

SMCS-4303

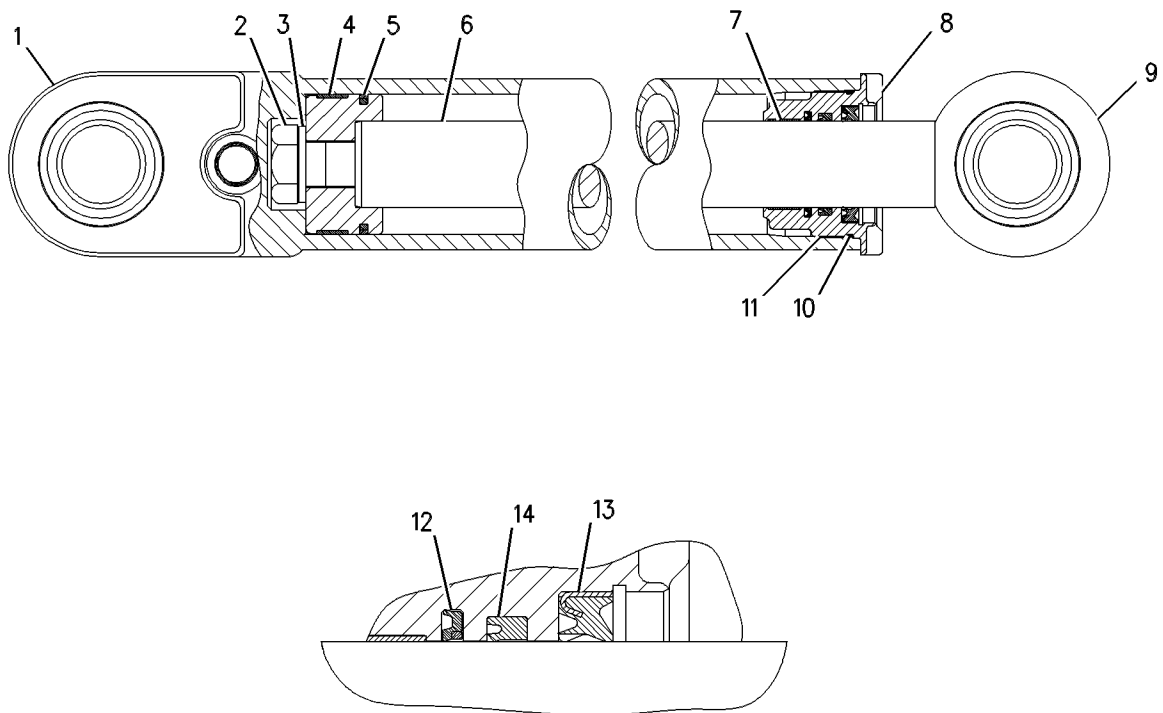
i01365554

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	175-5523	1	CYLINDER AS						
		1	1S-3311	1	RING-RETAINING						
		1	7J-1309	1	BEARING						
	2	1	173-9682	1	BOLT-HEX HEAD						
	3	1	3S-6162	1	WASHER-HARD (6MM THK)						
	4	1	4J-3745	1	RING-WEAR						
	5	1	9X-7269	1	SEAL AS						
	6	1	175-5529	1	PISTON						
	7	1	8C-9200	1	RING-WEAR						
	8	1	115-6967	1	HEAD						
	9	1	149-5554	1	ROD AS						
		1	1S-3311	1	RING-RETAINING						
		1	7J-1309	1	BEARING						
	10	1	1K-7095	1	RING-BACKUP						
11	1	175-7902	1	SEAL-O-RING							
12	1	167-2207	1	SEAL AS-BUFFER							
13	1	167-2467	1	SEAL-WIPER							
14	1	167-2317	1	SEAL-U-CUP							
M-METRIC PART											

STEERING SYSTEM

175-5521 CYLINDER GP-STEERING (contd.)

i01365554



GRAPHIC #1

g00626186

STEERING SYSTEM

144-7253 LINES GP-SECONDARY STEERING

S/N: BPC1-UP

PART OF 161-5780 STEERING AR-SECONDARY
AN ATTACHMENT

SMCS-4304

101553606

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3E-6450	1	SWITCH AS-PRESSURE (PRIMARY STEERING OIL)	
		1	102-8803	1	KIT-RECEPTACLE (3 PIN) (INCLUDES RECEPTACLE AS AND WEDGE)	
		1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)	
		1	8T-8729	3	PIN-CONNECTOR	
	2	1	5P-0597	4	CLAMP-HOSE	
Y	3	1	6E-5566	1	VALVE GP-SELECTOR & PRESS CONT (SECONDARY STEERING)	499
	4	1	6V-0852	1	CAP-DUST	
	5	1	6V-3965	1	FITTING	
	6	1	148-8423	1	FITTING GP	
		1	3J-1907	1	SEAL-O-RING	
		1	4J-5477	1	SEAL-O-RING	
		1	8T-3311	1	TEE	
	7	1	9X-6772	2	STRAP-CABLE	
Y	8	1	150-4087	1	VALVE GP-STEERING	506
I	9	1	154-7383	1	HOSE AS	
I	10	1	197-3283	1	HOSE AS	
	11	1	180-3960	1	TUBE AS	
	12	1	180-3961	1	TUBE AS	
	13	1	170-6736	1	TUBE AS	
	14	1	180-3978	1	HOSE	
	15	1	115-3069	1	CLIP AS-CONNECTOR	
	16	1	148-8351	1	ELBOW GP	
		1	4J-5477	1	SEAL-O-RING	
		1	6V-9849	1	ELBOW-SWIVEL	
Y	17	1	150-7585	1	PUMP GP-GEAR (SECONDARY STEERING)	480
	18	1	8J-0527	1	PISTON	
	19	1	1P-4577	4	FLANGE-HALF	
	21	1	3J-1907	4	SEAL-O-RING	
	22	1	3K-0360	1	SEAL-O-RING	
	23	1	4J-0520	2	SEAL-O-RING	
	24	1	1P-3705	1	SEAL-RECTANGULAR (44.7MM ID)	
	25	1	4J-5477	1	SEAL-O-RING	
	26	1	5F-3106	1	SEAL-O-RING	
	27	1	5K-8451	1	CLIP	
	28	1	5P-8874	1	ADAPTER	
	29	1	6V-8397	1	SEAL-O-RING	
	30	1	6V-8398	2	SEAL-O-RING	
	31	1	6V-8627	1	ELBOW	
	32	1	6V-8636	1	CONNECTOR	
	33	1	6V-9837	1	TEE-SWIVEL	
	34	1	5P-7469	2	CLIP (TAB)	
M	35	1	8T-6868	4	BOLT (M12X1.75X80MM)	
	36	1	8M-2772	2	CLIP	
	37	1	8T-4121	15	WASHER-HARD (11X21X2.5MM THK)	
	38	1	6V-8188	4	NUT (1/2-13 THD)	
M	39	1	8T-4137	3	BOLT (M10X1.5X20MM)	
M	40	1	8T-4186	5	BOLT (M10X1.5X40MM)	
M	41	1	8T-4196	4	BOLT (M10X1.5X35MM)	
	42	1	8T-4223	11	WASHER-HARD (13.5X25.5X3MM THK)	
M	44	1	8T-5041	3	BOLT (M12X1.75X120MM)	
M	45	1	8T-6466	2	BOLT (M10X1.50X60MM)	
M	46	1	8T-5005	1	BOLT (M10X1.50X70MM)	
	47	1	6W-6672	1	SPACER (10.5X20X38MM THK)	

STEERING SYSTEM

144-7253 LINES GP-SECONDARY STEERING (contd.)

i01553606

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	48	1	5P-8444	2	GROMMET	
	49	1	5P-7468	2	CLIP (SLOT)	

I-SEE HOSE FABRICATION GUIDE

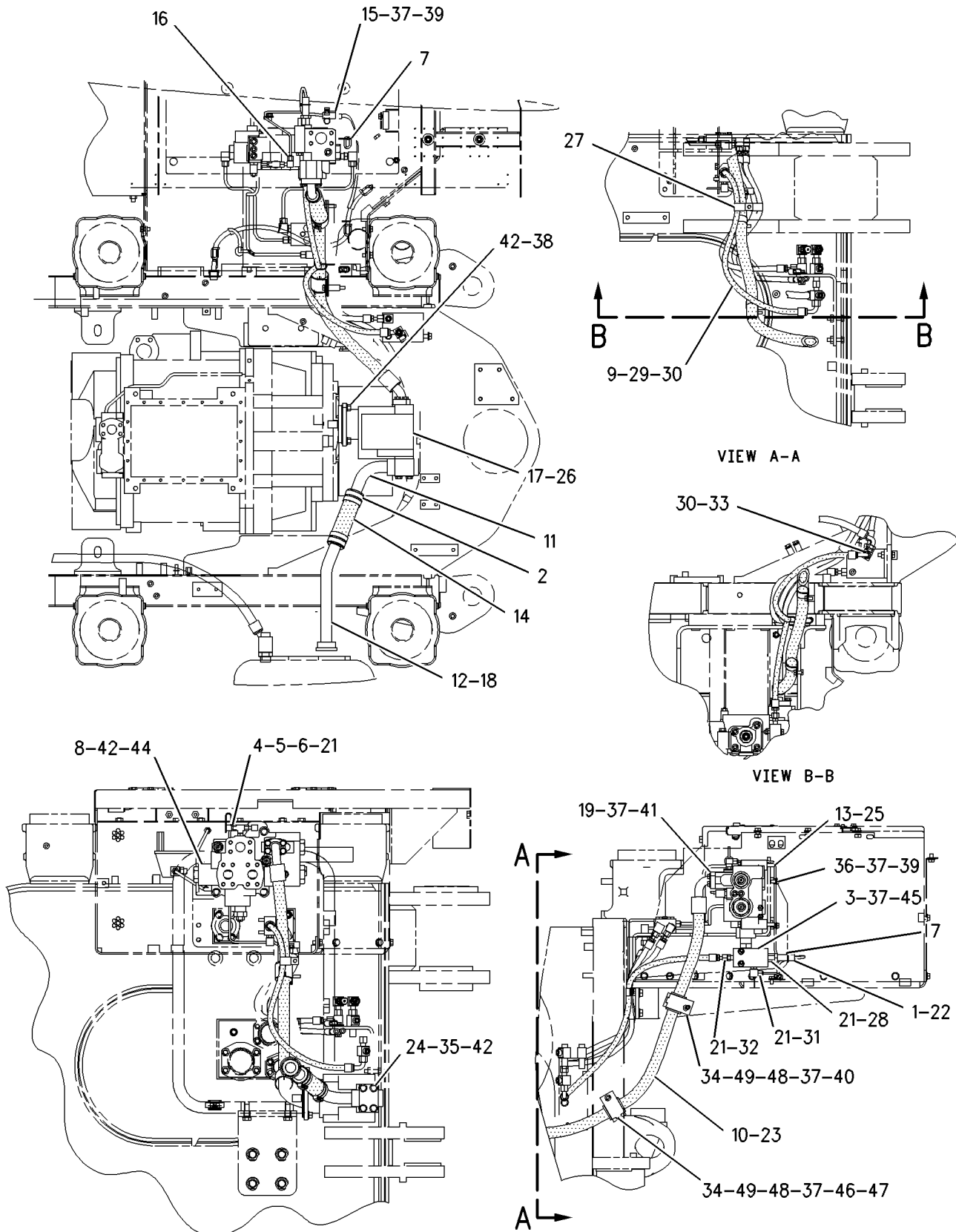
M-METRIC PART

Y-SEPARATE ILLUSTRATION

STEERING SYSTEM

144-7253 LINES GP-SECONDARY STEERING (contd.)

101553606



GRAPHIC #1

g00807651

MEMORANDA

STEERING SYSTEM

142-6198 LINES GP-STEERING

S/N: BPC1-UP

PART OF 203-1583 HYDRAULIC AR

SMCS-4304

i01624169

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	6V-0484	1	ADAPTER-O-RING	
C	2	1,2	6V-0852	2	CAP-DUST	
	3	1	8T-4985	12	CLAMP-HOSE	
	4	1	131-9889	1	HOSE	
	5	1	135-5050	2	HOSE	
	6	2	153-0148	1	BLOCK-MANIFOLD	
	7	1	153-0149	1	BRACKET	
I	8	1	153-6396	1	HOSE AS	
I	9	1	153-6399	1	HOSE AS	
	10	2	153-6408	1	BRACKET AS	
M		2	8T-3490	2	NUT-WELD (M10X1.5 THD)	
M		2	8T-3597	3	NUT-WELD (M12X1.75 THD)	
M		2	8T-3612	2	NUT-WELD (M8X1.25 THD)	
		2	9R-2672	2	BOSS (M10X20MM)	
	11	2	153-6417	1	BLOCK	
	12	1	160-8613	1	MANIFOLD	
	13	2	161-6608	1	TUBE AS	
	14	1	161-6903	1	PLATE	
	15	1	162-9245	1	BRACKET AS	
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)	
I	16	1	163-4501	1	HOSE AS	
	17	1	163-4504	1	ANGLE AS	
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)	
	18	2	163-4507	2	BRACKET AS	
					(EACH INCLUDES)	
M		2	8T-3490	2	NUT-WELD (M10X1.5 THD)	
	19	2	164-0719	1	TUBE AS	
	20	1	164-0720	1	TUBE	
	21	1	164-0721	1	TUBE	
	22	2	164-0722	1	TUBE AS	
	23	1	171-1470	1	ELBOW	
I	24	2	192-2174	1	HOSE AS	
C	25	2	205-9342	4	CLAMP	
C	26	2	205-9343	2	COVER	
C	27	1	210-2120	1	HOSE AS	
C	28	1	210-2121	2	HOSE AS	
CI	29	2	210-2455	1	HOSE AS	
CI	30	2	210-2456	2	HOSE AS	
CI	31	1	211-1645	1	HOSE AS	
C	32	2	211-9014	2	BRACKET AS	
	33	1	106-5125	1	CLIP (SLOT)	
	34	1	106-5126	1	CLIP (TAB)	
	35	1	148-8327	1	CONNECTOR GP	
		1	6V-8637		CONNECTOR-SEAL	
		1	3D-2824	1	SEAL-O-RING	
		1	6V-9746	1	SEAL-O-RING	
	36	1	148-8335	2	CONNECTOR GP	
					(EACH INCLUDES)	
		1	5K-9090	1	SEAL-O-RING	
		1	6V-8635	1	CONNECTOR	
		1	7M-8485	1	SEAL-O-RING	
	37	1,2	148-8378	2	ELBOW GP	
					(EACH INCLUDES)	
		1,2	3J-1907	1	SEAL-O-RING	
		1,2	6V-8397	1	SEAL-O-RING	
		1,2	6V-8724	1	ELBOW	

STEERING SYSTEM

142-6198 LINES GP-STEERING (contd.)

i01624169

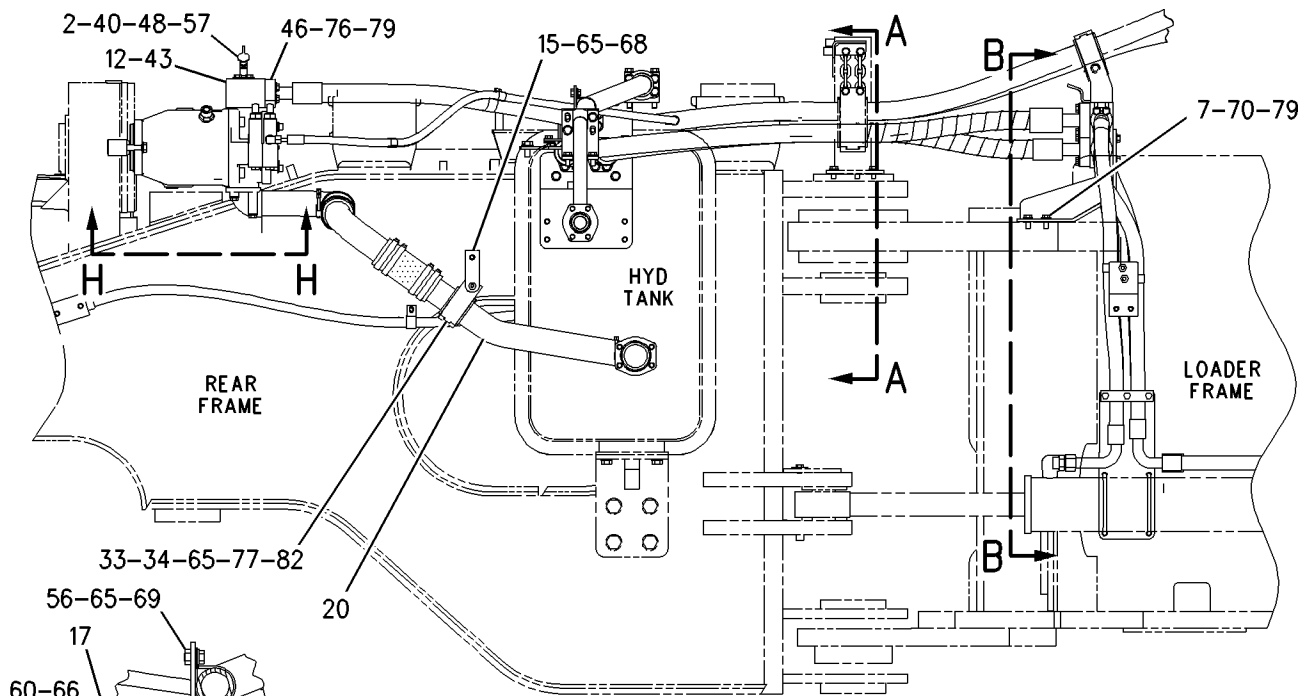
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	38	2	153-9624	1	PUMP GP-PISTON (STEERING)	482
	39	1	155-7328	2	ELBOW AS	
					(EACH INCLUDES)	
		1	5P-7701	1	SEAL-O-RING	
		1	6V-9008	1	ELBOW	
		1	8C-3093	1	SEAL-O-RING	
C	40	1	165-4931	1	ELBOW GP	
	41	2	1H-7339	1	SEAL-O-RING	
	42	1	1P-3704	6	SEAL-RECTANGULAR	
C	43	1	1P-3705	1	SEAL-RECTANGULAR	
C	44	2	1P-3706	2	SEAL	
	45	2	1P-4579	4	FLANGE-HALF	
	46	1,2	1P-5767	12	FLANGE-HALF	
	47	1	1S-0994	2	CLIP	
C	48	2	3J-1907	3	SEAL-O-RING	
C	49	2	4J-0520	4	SEAL-O-RING	
C	50	1,2	4J-0524	3	SEAL-O-RING	
	51	2	5F-3106	1	SEAL-O-RING	
	52	2	5P-7470	2	CLIP (SLOT)	
	53	2	5P-7471	2	CLIP (TAB)	
	54	2	5P-8182	2	GROMMET	
	55	2	6H-3977	1	SEAL-O-RING	
	56	1	6V-2235	1	CLIP	
C	57	1,2	6V-3965	2	FITTING AS	
	58	1	7D-1553	1	CLIP	
	59	2	7D-7233	4	CLIP	
	60	1	7X-0343	1	BOLT (5/8-11X1.25 IN)	
CM	61	1	7X-2549	6	BOLT (M12X1.75X100MM)	
C	62	2	7X-7729	8	WASHER (11X25X3MM THK)	
C	63	2	7Y-1275	4	U-BOLT	
C	64	2	8C-3206	8	FLANGE-HALF	
C	65	1,2	8T-4121	31	WASHER-HARD (11X21X2.5MM THK)	
	66	1	8T-4122	1	WASHER-HARD (17X32X3.5MM THK)	
CM	67	1,2	8T-4133	9	NUT (M10X1.5 THD)	
M	68	1,2	8T-4136	11	BOLT (M10X1.5X25MM)	
M	69	1	8T-4137	2	BOLT (M10X1.5X20MM)	
M	70	1,2	8T-4139	14	BOLT (M12X1.75X30MM)	
M	71	2	8T-4176	6	BOLT (M12X1.75X90MM)	
CM	72	2	8T-4178	6	BOLT (M10X1.5X90MM)	
M	73	2	8T-4183	4	BOLT (M12X1.75X40MM)	
M	74	1,2	8T-4184	12	BOLT (M12X1.75X45MM)	
CM	75	2	8T-4192	2	BOLT (M12X1.75X25MM)	
M	76	1,2	8T-4194	24	BOLT (M12X1.75X50MM)	
M	77	1	8T-4195	1	BOLT (M10X1.5X30MM)	
CM	78	2	8T-4196	16	BOLT (M10X1.5X35MM)	
	79	1,2	8T-4223	71	WASHER-HARD (13.5X25.5X3MM THK)	
M	80	2	8T-5041	3	BOLT (M12X1.75X120MM)	
M	81	2	8T-7338	2	BOLT (M16X2.0X45MM)	
	82	1	9X-7456	1	GROMMET	
	83	2	9X-8257	2	WASHER (17.5X30X3.5MM THK)	
E	84	1	206-2736		GUARD-HOSE (102CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

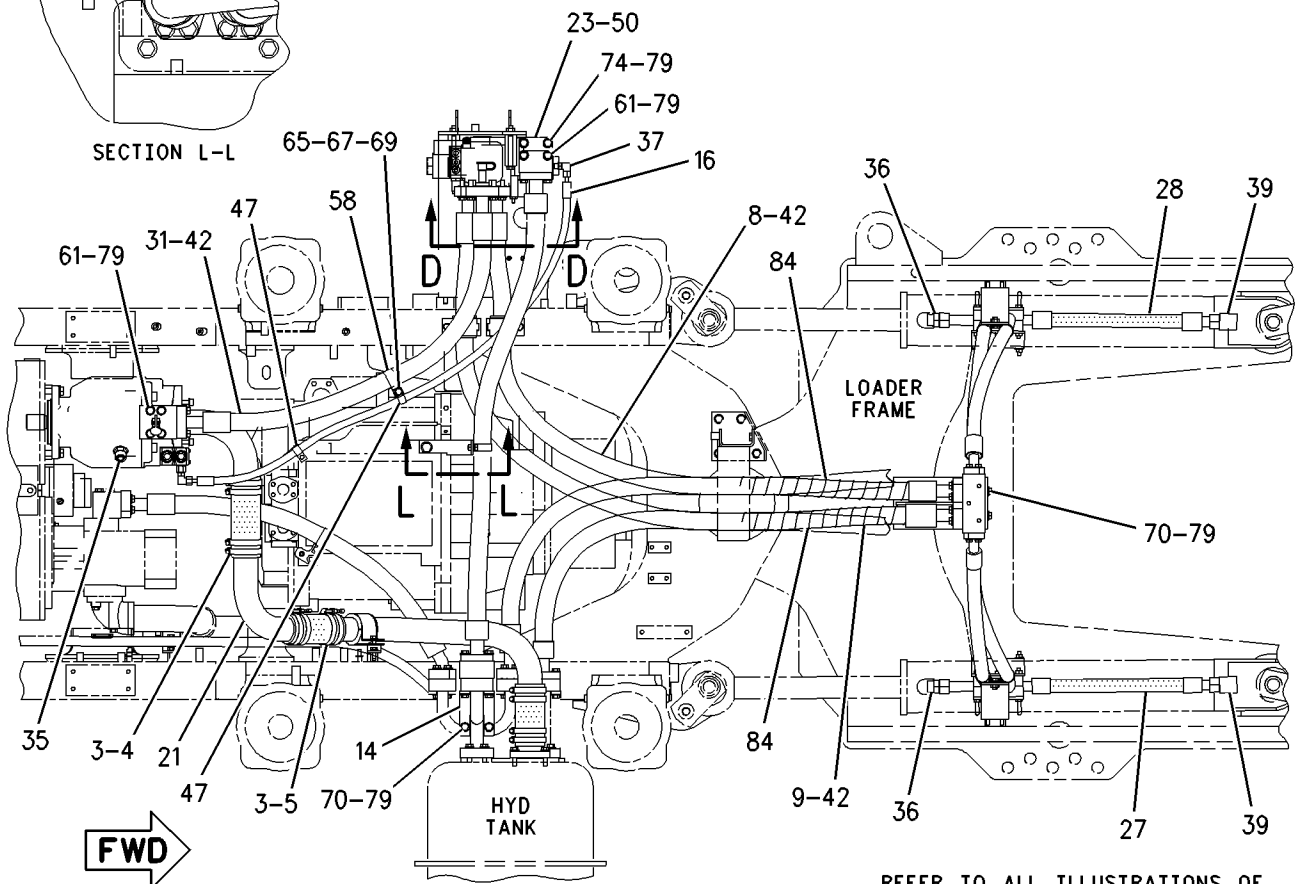
STEERING SYSTEM

142-6198 LINES GP-STEERING (contd.)

i01624169



RIGHT SIDE VIEW



TOP VIEW

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

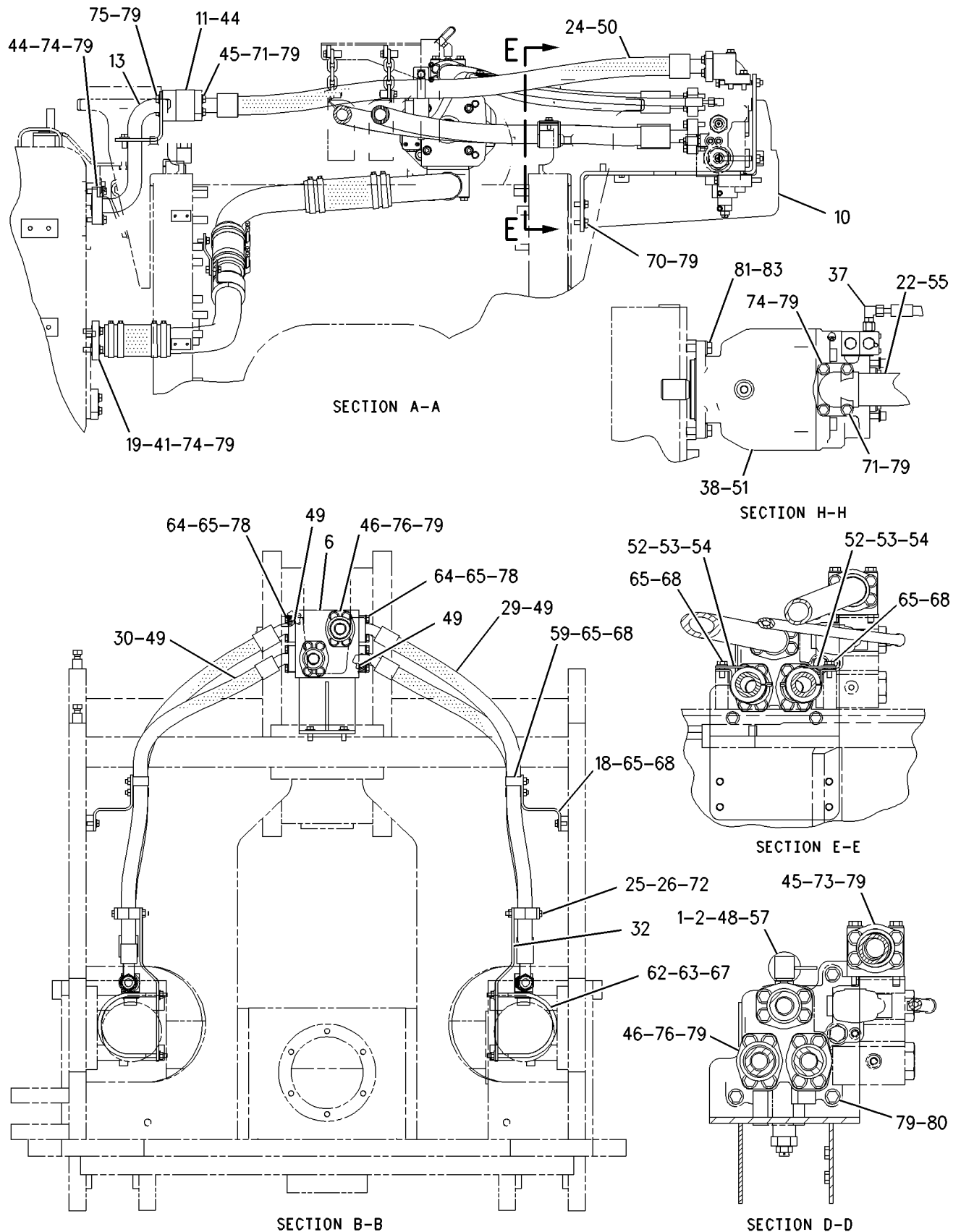
GRAPHIC #1

g00842988

STEERING SYSTEM

142-6198 LINES GP-STEERING (contd.)

i01624169



GRAPHIC #2

g00843177

STEERING SYSTEM

145-0319 LINES GP-STEERING NEUTRALIZER

S/N: BPC1-UP

PART OF 161-5780 STEERING AR-SECONDARY, 180-2911 STEERING AR-STIC
AN ATTACHMENT

SMCS-4304, 4330

i01623355

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	9M-8406	1	CLIP	
M	2	1	8T-6870	2	BOLT (M8X1.25X70MM)	
M	3	1	8T-6466	4	BOLT (M10X1.50X60MM)	
	4	1	8T-4224	2	WASHER-HARD (8.8X16X2MM THK)	
	5	1	6V-0484	1	ADAPTER-O-RING	
Y	6	1	9T-3096	1	VALVE GP-CHECK (STEERING PILOT)	488
	7	1	104-7108	1	VALVE GP-CHECK (STEERING PILOT)	
	8	1	199-4981	1	STOP GP-TURN	
	8A	1	8X-3467	2	STUD AS	
	8B	1	199-3945	1	PLATE AS	
M	8C	1	8T-4244	2	NUT (M12X1.75 THD)	
Y	9	1	146-7571	2	VALVE GP-STEERING NEUTRALIZER	509
Y	10	1	154-5656	1	VALVE GP-CHECK (STEERING PILOT)	490
I	11	1	162-5369	1	HOSE AS	
I	12	1	162-5370	1	HOSE AS	
I	13	1	162-5371	1	HOSE AS	
I	14	2	162-5495	2	HOSE AS	
C	15	2	208-8366	1	BRACKET AS	
I	16	1	162-5649	2	HOSE AS	
I	17	1	162-5651	2	HOSE AS	
I	18	1	162-5653	1	HOSE AS	
C	19	1	208-8365	1	TUBE AS	
	20	1	162-5663	1	TUBE AS	
	21	1	162-5664	1	TUBE AS	
	22	1	162-5665	1	BRACKET AS	
	23	1	162-9721	1	TUBE AS	
	24	1	148-8336	4	CONNECTOR GP	
					(EACH INCLUDES)	
		1	3J-1907	1	SEAL-O-RING	
		1	6V-8397	1	SEAL-O-RING	
		1	6V-8636	1	CONNECTOR	
	25	1	148-8370	2	ELBOW GP	
					(EACH INCLUDES)	
		1	6V-8398	1	SEAL-O-RING	
		1	6V-9851	1	ELBOW	
	26	1	148-8374	2	ELBOW GP	
					(EACH INCLUDES)	
		1	3K-0360	1	SEAL-O-RING	
		1	6V-8397	1	SEAL-O-RING	
		1	6V-8723	1	ELBOW	
	27	1	148-8377	1	ELBOW GP	
		1	6V-8397	2	SEAL-O-RING	
		1	6V-8980	1	ELBOW	
	28	1	148-8378	1	ELBOW GP	
		1	3J-1907	1	SEAL-O-RING	
		1	6V-8397	1	SEAL-O-RING	
		1	6V-8724	1	ELBOW	
	29	1	148-8427	2	TEE AS-ORFS	
					(EACH INCLUDES)	
		1	6V-8398	3	SEAL-O-RING	
		1	8T-6895	1	TEE-UNION ORIFICE	
	30	1	148-8435	1	TEE GP	
		1	3J-1907	1	SEAL-O-RING	
		1	6V-8397	2	SEAL-O-RING	
		1	6V-8781	1	TEE-FACE SEAL	

STEERING SYSTEM

145-0319 LINES GP-STEERING NEUTRALIZER (contd.)

i01623355

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	31	1	3J-1907	2	SEAL-O-RING	
C	32	1,2	5K-8451	5	CLIP	
	33	1	5P-9297	1	CLIP	
	34	2	6V-2235	2	CLIP	
	35	1	6V-8397	2	SEAL-O-RING	
	36	1	6V-8398	1	SEAL-O-RING	
	37	1	6V-9168	1	NUT (11/16-16 THD)	
	38	1	6V-9169	2	NUT-BULKHEAD (13/16-16 THD)	
C	39	2	5J-7306	1	CLIP	
	40	1,2	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)	
M	41	1	8T-4133	1	NUT (M10X1.5 THD)	
M	42	1,2	8T-4137	4	BOLT (M10X1.5X20MM)	
M	43	1,2	8T-4139	6	BOLT (M12X1.75X30MM)	
M	44	1	8T-4186	1	BOLT (M10X1.5X40MM)	
M	45	1	8T-4194	2	BOLT (M12X1.75X50MM)	
	46	1,2	8T-4223	8	WASHER-HARD (13.5X25.5X3MM THK)	
C	47	2	6B-6205	2	SPACER (7/8X1-5/16X1-9/32 THK)	
CM	48	2	8T-4185	2	BOLT (M10X1.5X50MM)	

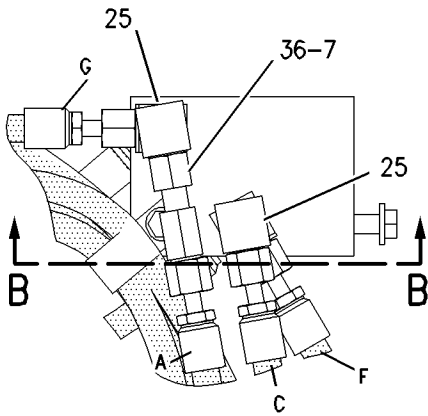
C-CHANGE FROM PREVIOUS TYPE
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

STEERING SYSTEM

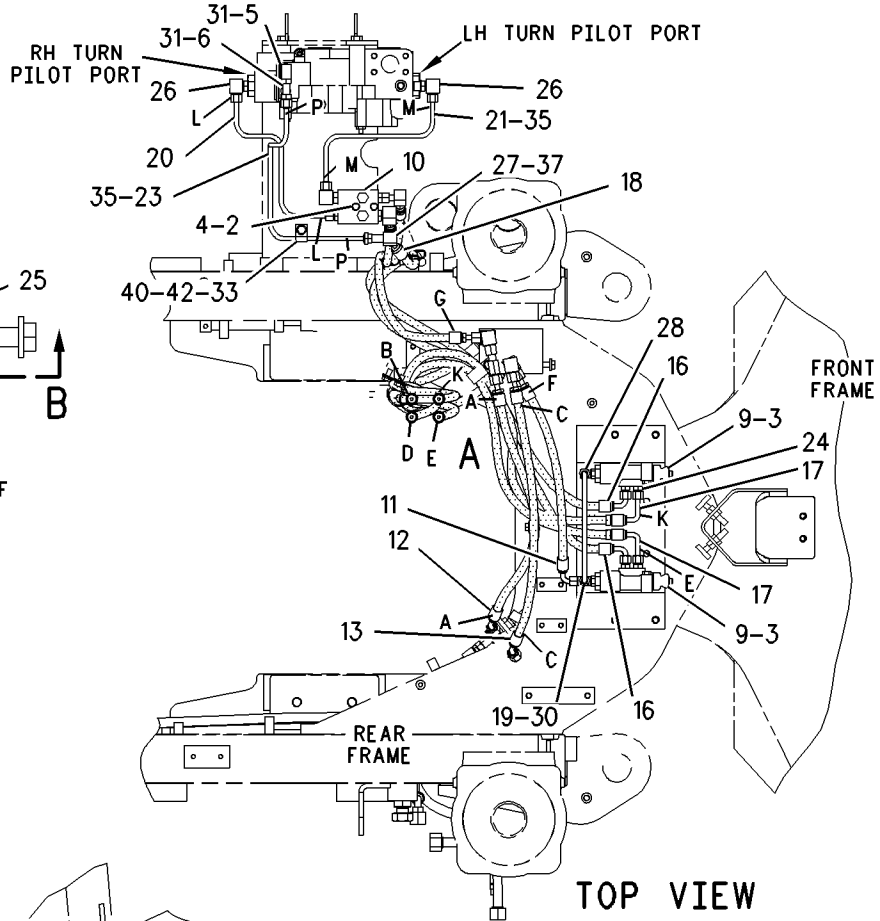
145-0319 LINES GP-STEERING NEUTRALIZER (contd.)

i01623355

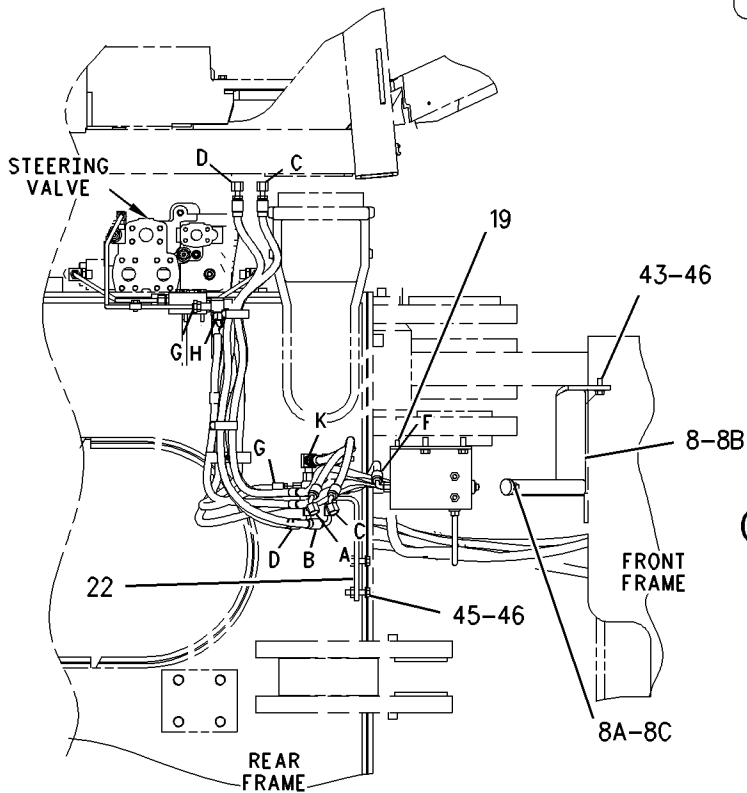
REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



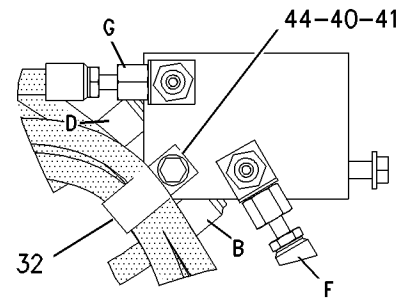
VIEW OF AREA A



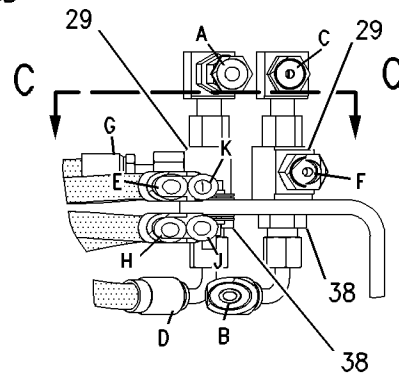
TOP VIEW



RIGHT SIDE VIEW



SECTION C-C



SECTION B-B

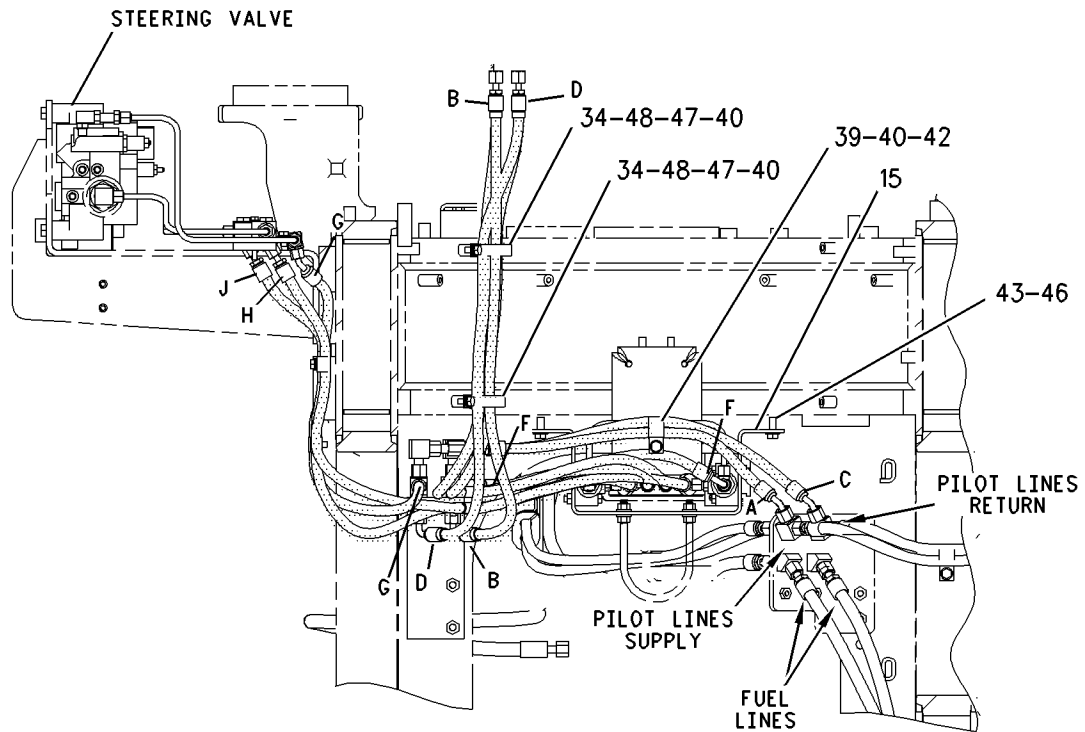
GRAPHIC #1

g00840336

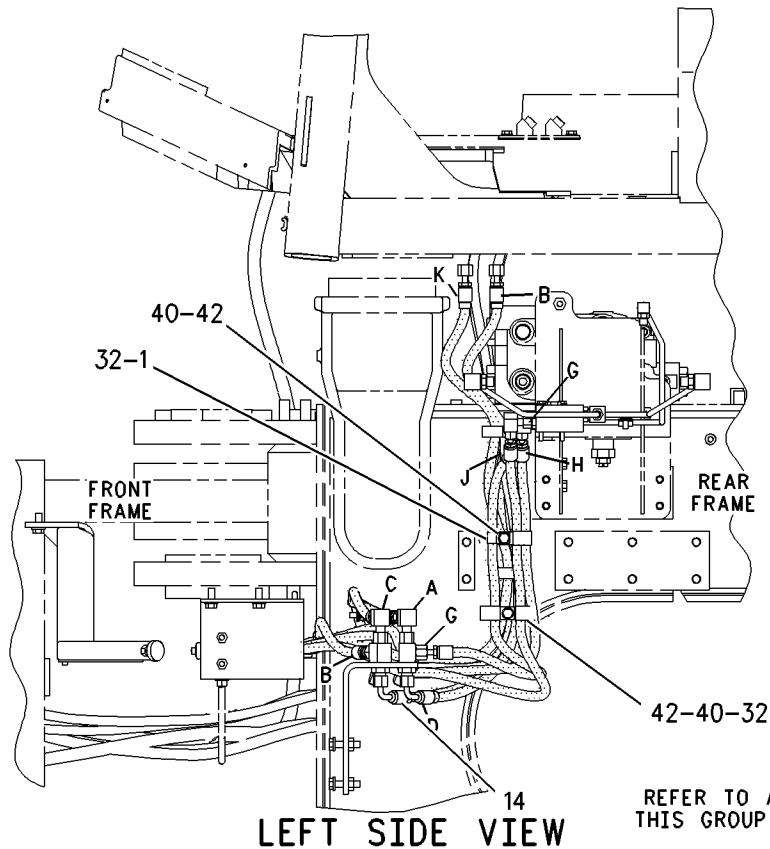
STEERING SYSTEM

145-0319 LINES GP-STEERING NEUTRALIZER (contd.)

i01623355



REAR VIEW



LEFT SIDE VIEW

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #2

g00840337

STEERING SYSTEM

194-3286 PLUG GP-CONTROL

S/N: BPC1-UP

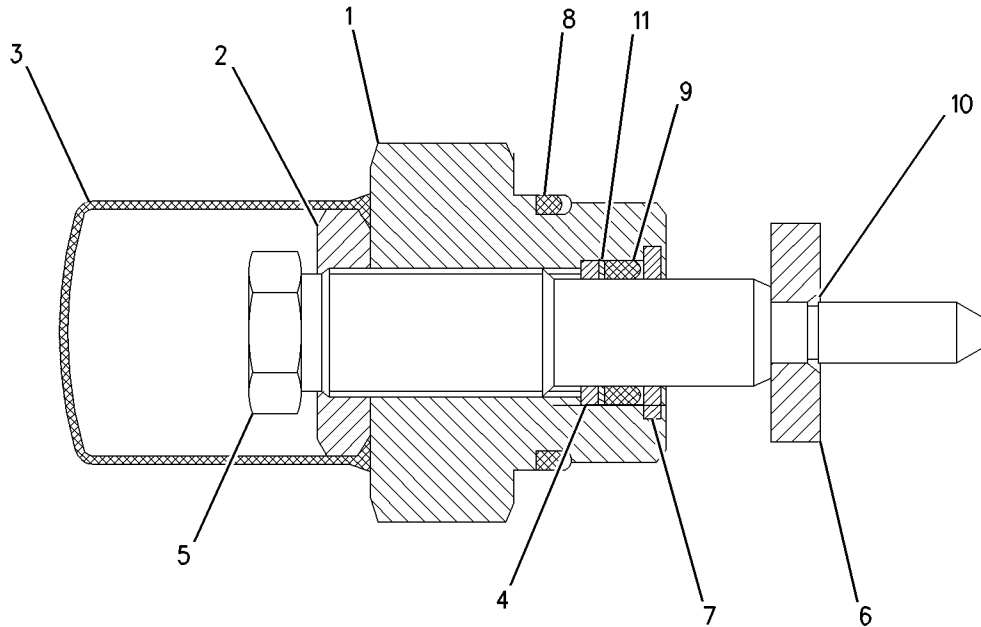
PART OF 176-7520 VALVE GP-PRESSURE COMPENSATOR

SMCS-5086

i01433173

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	191-7599	1	PLUG						
M	2	1	5C-2873	1	NUT						
	3	1	195-3324	1	CAP						
	4	1	195-3325	1	RING						
	5	1	195-3326	1	SCREW						
	6	1	195-3327	1	RETAINER						
	7	1	194-4497	1	DISC						
	8	1	3E-6761	1	SEAL-O-RING						
	9	1	187-8567	1	SEAL-O-RING						
	10	1	194-6849	1	DISC						
	11	1	195-3328	1	DISC						

M-METRIC PART



GRAPHIC #1

g00751391

MEMORANDA

STEERING SYSTEM

150-7585 PUMP GP-GEAR-SECONDARY STEERING

S/N: BPC1-UP

PART OF 144-7253 LINES GP-SECONDARY STEERING
AN ATTACHMENT

SMCS-4268, 4306, 5073

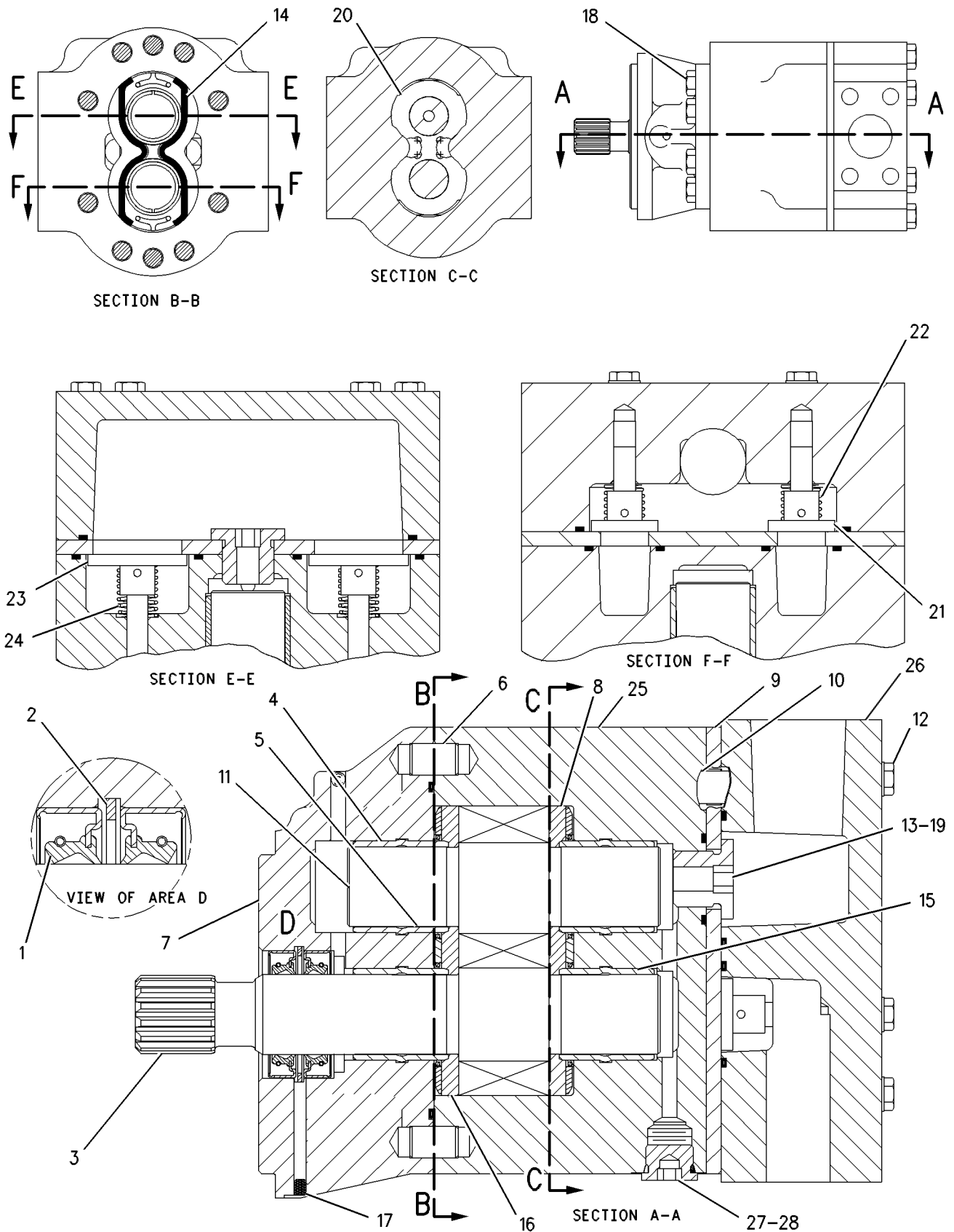
i00799544

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
J	1	1	139-3213	2	SEAL						
J	2	1	008-3214	1	RING-RETAINING						
	3	1	9T-1258	1	SHAFT-DRIVE						
	4	1	4T-9300	1	BUSHING-TERMINAL						
	5	1	4T-9301	1	BUSHING-TERMINAL						
	6	1	6J-2386	2	DOWEL						
	7	1	153-6480	1	FLANGE AS						
	8	1	107-2884	2	PLATE-ISOLATION						
	9	1	142-2133	1	SPACER						
	10	1	107-2886	2	SPACER						
	11	1	4T-8761	1	GEAR-IDLER						
	12	1	1B-2886	6	BOLT (1/2-13X3.75IN)						
	13	1	142-2137	1	PLUG						
J	14	1	077-3790	4	SEAL						
	15	1	4T-9298	2	BUSHING-TERMINAL						
	16	1	077-4643	2	PLATE-ISOLATION						
J	17	1	6E-2943	1	PLUG						
	18	1	0S-1595	8	BOLT (1/2-13X1.25IN)						
J	19	1	9X-7722	1	SEAL-O-RING (31.42MM ID)						
	20	1	6R-3966	2	PLATE-PRESSURE						
	21	1	107-2891	2	PISTON						
	22	1	107-2893	2	SPRING						
	23	1	107-2887	2	PISTON						
	24	1	107-2888	2	SPRING						
	25	1	153-6479	1	BODY AS						
	26	1	107-2890	1	BODY-VALVE						
	27	1	9S-8005	1	PLUG-O-RING (3/4-16 THD)						
	28	1	033-6042	1	SEAL-O-RING						
AVAILABLE REPAIR KIT(S) :											
J			153-6481	1	KIT-SEAL						
J-KIT MARKED J INCLUDES PART(S) MARKED J											

STEERING SYSTEM

150-7585 PUMP GP - GEAR (contd.)

i00799544



GRAPHIC #1

g00374794

STEERING SYSTEM

153-9624 PUMP GP-PISTON-STEERING*R

S/N: BPC1-UP

PART OF 142-6198 LINES GP-STEERING

SMCS-4268, 4306, 5070

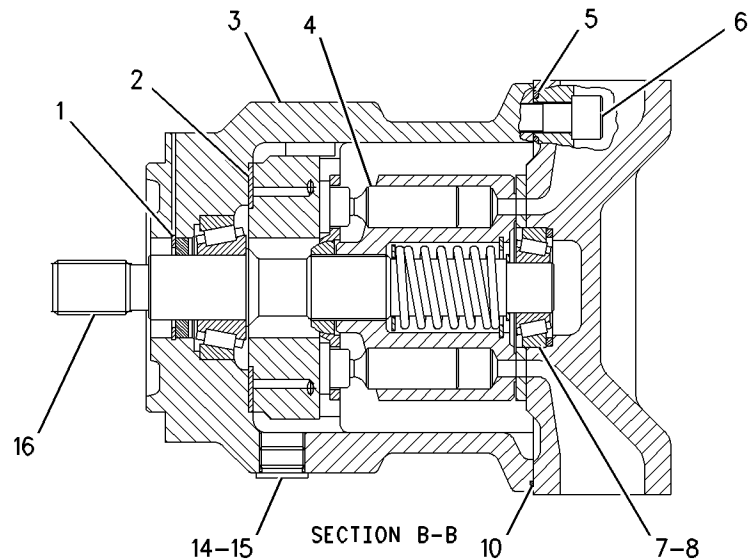
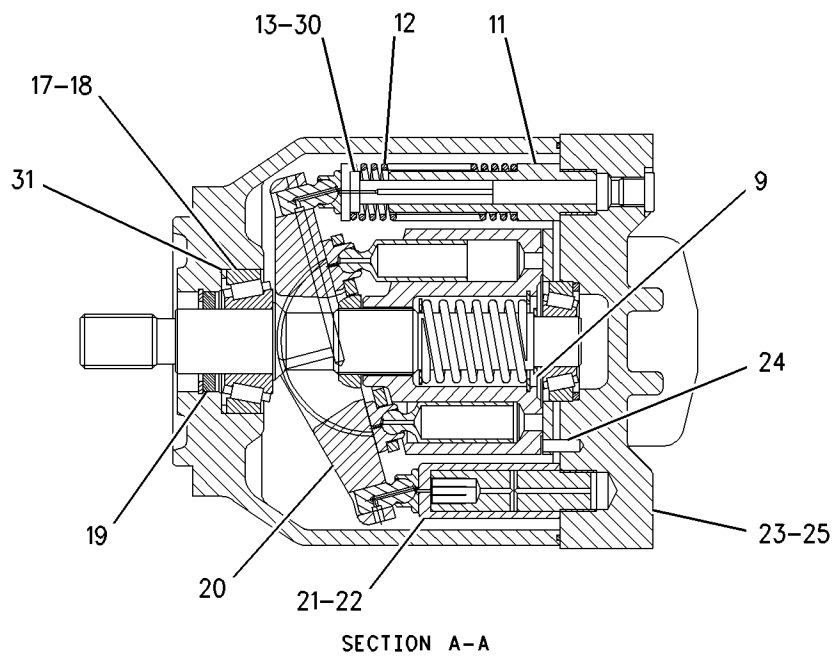
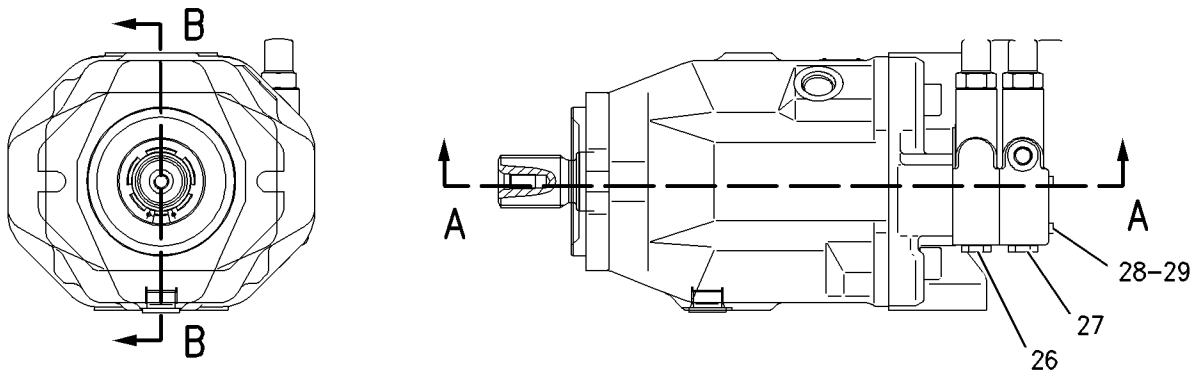
i01624016

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	095-0942	1	RING-RETAINING (63.3MM ID)	
	2	1	176-7507	2	BEARING-CRADLE	
	3	1	176-7508	1	HOUSING-PUMP	
Y	4	1	176-7509	1	ROTATING GP-PUMP	484
	5	1	5P-9186	4	SEAL-O-RING	
M	6	1	7Y-0467	4	BOLT-SOCKET HEAD	
	7	1	6Y-2736	1	CONE-BEARING	
	8	1	6Y-2737	1	CUP-BEARING	
	9	1	176-7510	1	SPACER-BEARING	
	10	1	107-3114	1	SEAL-O-RING	
	11	1	176-7511	1	GUIDE-PLUNGER	
	12	1	176-7512	1	SPRING	
	13	1	176-7513	1	PLUNGER-CONTROL	
	14	1	9S-8008	1	PLUG-O-RING	
	15	1	3D-2824	1	SEAL-O-RING	
	16	1	176-7514	1	SHAFT-PUMP	
	17	1	1B-3908	1	CONE-BEARING	
	18	1	1B-3909	1	CUP-BEARING	
	19	1	203-1095	1	SEAL	
	20	1	176-7516	1	SWASHPLATE AS	
	21	1	176-7517	1	PISTON-CONTROL	
	22	1	176-7518	1	GUIDE-PISTON	
	23	1	136-8423	1	PLUG-BREAK OFF	
	24	1	7X-2438	1	DOWEL	
	25	1	176-7519	1	HEAD-PUMP	
Y	26	1	176-7520	1	VALVE GP-PRESSURE COMPENSATOR	496
J	27	1	176-7521	1	VALVE GP-PRESS & FLOW CMPNSTR	
M	28	1	127-4832	4	BOLT-SOCKET HEAD	
	29	1	033-6039	5	SEAL-O-RING	
	30	1	176-7692	1	SLEEVE-STOP	
	31	1	176-7693	1	RING-BEARING	
AVAILABLE REPAIR KIT(S) :						
J				1	KIT-VALVE REPAIR	
J-REPAIR KIT MARKED J SERVICES PART MARKED J						
M-METRIC PART						
Y-SEPARATE ILLUSTRATION						

STEERING SYSTEM

153-9624 PUMP GP - PISTON (contd.)

i01624016



GRAPHIC #1

g00840838

STEERING SYSTEM

176-7509 ROTATING GP - PUMP

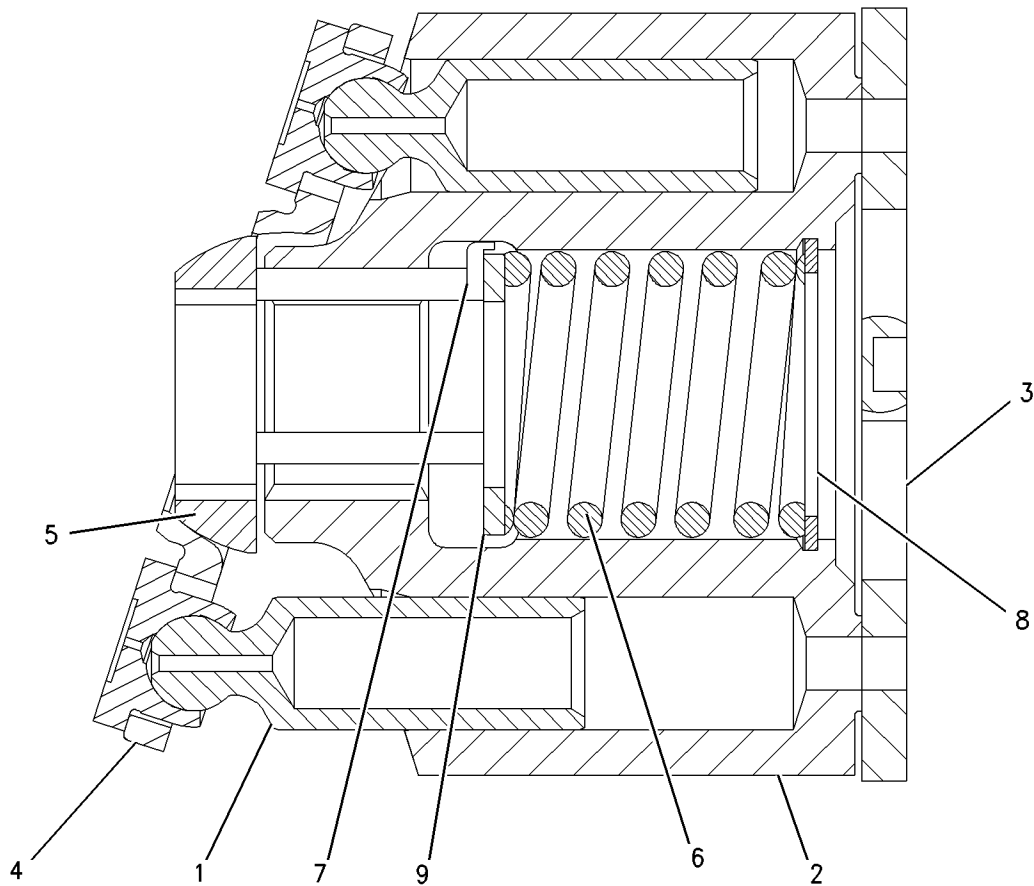
S/N: BPC1-UP

PART OF 153-9624 PUMP GP-PISTON

SMCS-5070

i01433054

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	191-7587	9	PISTON AS						
	2	1	191-7589	1	BARREL						
	3	1	191-7585	1	PLATE						
	4	1	191-7591	1	PLATE						
	5	1	191-7592	1	BEARING						
	6	1	191-7594	1	SPRING						
	7	1	191-7596	3	PIN						
	8	1	095-0939	1	RING-RETAINING						
	9	1	191-7597	1	SPACER						



GRAPHIC #1

g00745979

STEERING SYSTEM

161-5780 STEERING AR-SECONDARY-STIC

S/N: BPC1-UP

CANNOT BE USED WITH 180-2911 STEERING AR-STIC
AN ATTACHMENT

SMCS-4300

i01186321

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	144-7253	1	LINES GP-SECONDARY STEERING						466
Y	145-0319	1	LINES GP-STEERING NEUTRALIZER						474
Y-SEPARATE ILLUSTRATION									

STEERING SYSTEM

180-2911 STEERING AR-STIC

S/N: BPC1-UP

CANNOT BE USED WITH 161-5780 STEERING AR-SECONDARY
AN ATTACHMENT

SMCS-3033, 4300

i01184366

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	145-0319	1	LINES GP-STEERING NEUTRALIZER						474
Y	144-7250	1	VALVE & MTG GP-STEERING						487
Y-SEPARATE ILLUSTRATION									

STEERING SYSTEM

144-7250 VALVE & MTG GP-STEERING

S/N: BPC1-UP

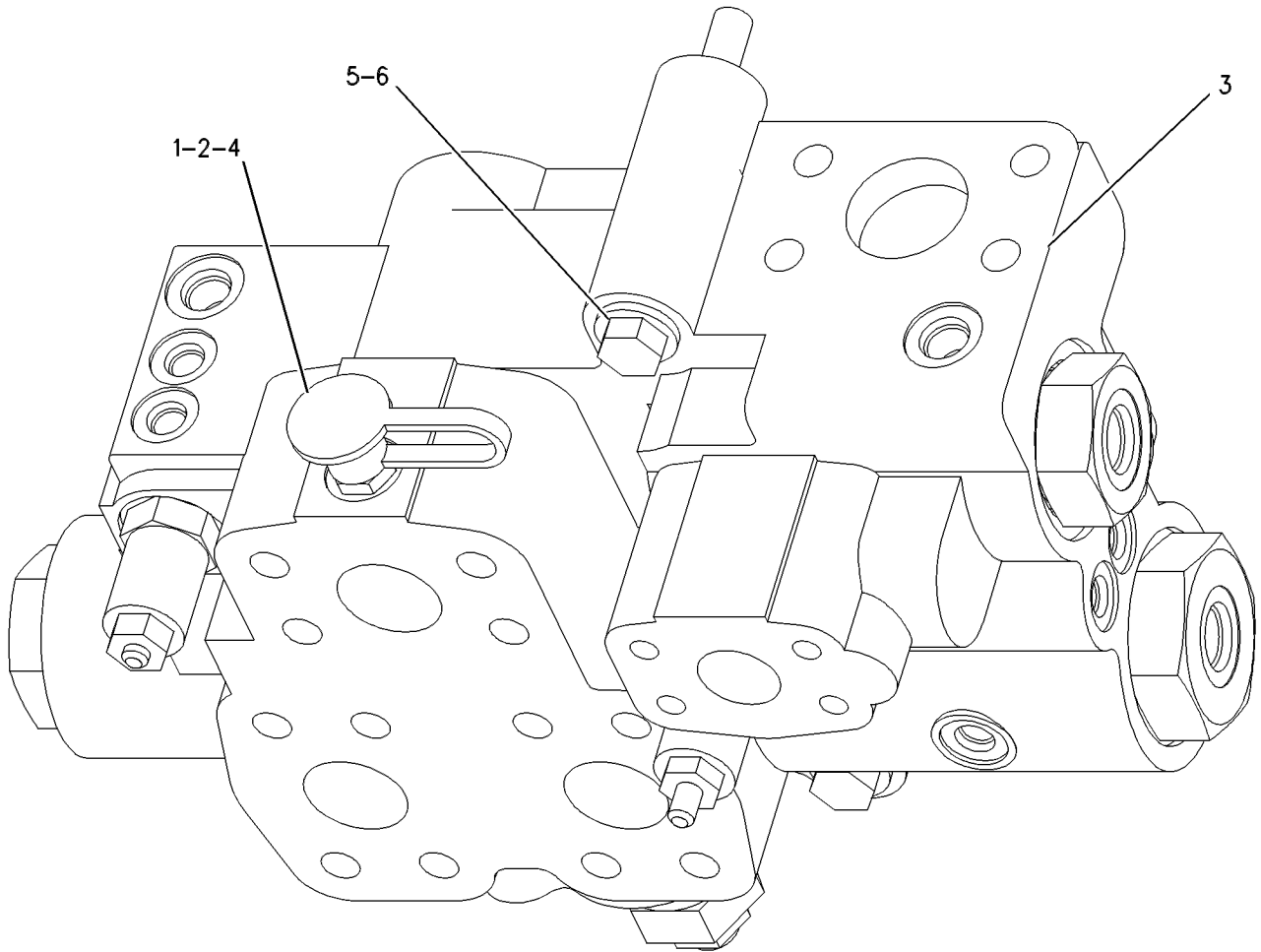
PART OF 180-2911 STEERING AR-STIC
AN ATTACHMENT

SMCS-4307, 4312, 4343

i01508148

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	6V-0852	1	CAP-DUST	
	2	1	6V-3965	1	FITTING AS (QUICK DISCONNECT)	
Y	3	1	149-0392	1	VALVE GP-STEERING	502
	4	1	3J-1907	1	SEAL-O-RING	
	5	1	8T-4223	3	WASHER-HARD (13.5X25.5X3MM THK)	
M	6	1	8T-5041	3	BOLT (M12X1.75X120MM)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00510815

STEERING SYSTEM

9T-3096 VALVE GP-CHECK-PILOT-STEERING PILOT

S/N: BPC1-UP

PART OF 145-0319 LINES GP-STEERING NEUTRALIZER, 163-1045 VALVE & MTG GP-MAIN CONTROL

ALSO AN ATTACHMENT

SMCS-4275, 5067

i01540255

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	201-3434	1	VALVE GP-CHECK						
			-OR-						
	200-4002	1	VALVE GP-CHECK						
	3J-1907	1	SEAL-O-RING						

STEERING SYSTEM

149-4617 VALVE GP-CHECK-STEERING QUAD

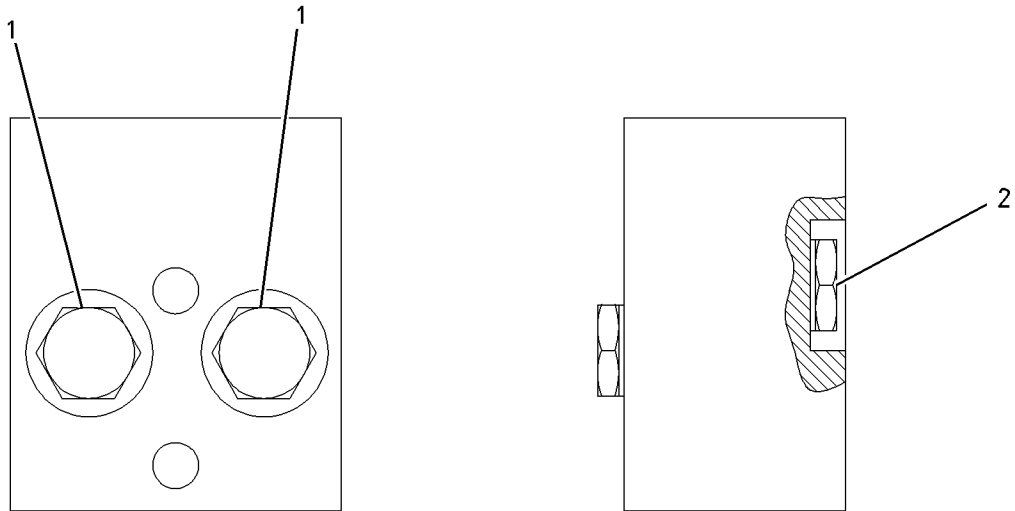
S/N: BPC1-UP

PART OF 154-5656 VALVE GP-CHECK
AN ATTACHMENT

SMCS-4275, 5067

i01426564

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	176-9369	2	VALVE GP - CHECK						491
Y	2	1	176-9370	2	VALVE GP - CHECK						492
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

g00696391

STEERING SYSTEM

154-5656 VALVE GP-CHECK

S/N: BPC1-UP

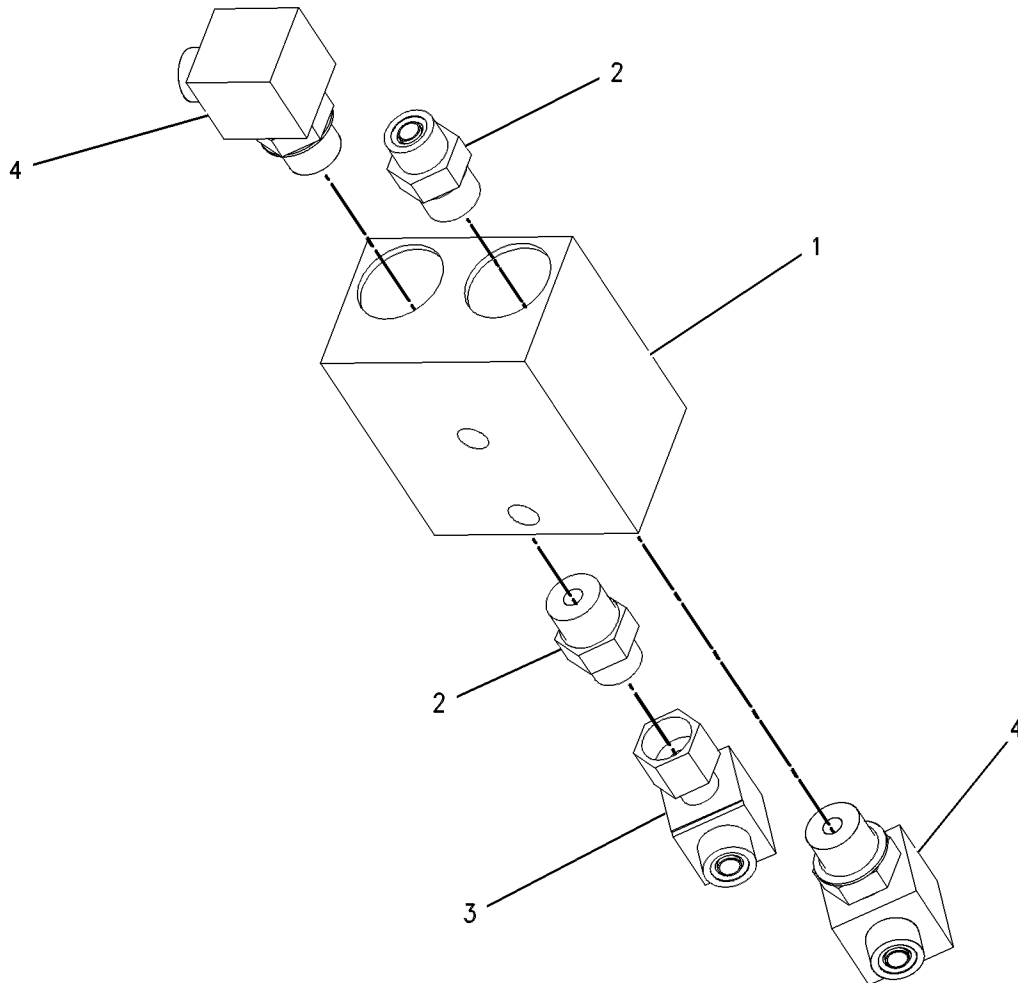
PART OF 145-0319 LINES GP-STEERING NEUTRALIZER
AN ATTACHMENT

SMCS-4275, 5067

i01314771

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	149-4617	1	VALVE GP-CHECK (STEERING QUAD)	489
	2	1	148-8318	2	CONNECTOR AS	
					(EACH INCLUDES)	
		1	3K-0360	1	SEAL-O-RING (16.36MM ID)	
		1	6V-8397	1	SEAL-O-RING (9.27MM ID)	
		1	6V-8634	1	CONNECTOR-SEAL (ORFS 11/16-16; PORT 9/16-18)	
3	1	148-8367	1	1	ELBOW AS	
		1	6V-8397	1	SEAL-O-RING (9.27MM ID)	
		1	6V-9850	1	ELBOW-SWIVEL (11/16-16 THD)	
4	1	148-8374	2	2	ELBOW AS	
					(EACH INCLUDES)	
		1	3K-0360	1	SEAL-O-RING (16.36MM ID)	
		1	6V-8397	1	SEAL-O-RING (9.27MM ID)	
		1	6V-8723	1	ELBOW-90 DEGREE (3/4-16 THD)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00583361

STEERING SYSTEM

176-9369 VALVE GP-CHECK-STEERING

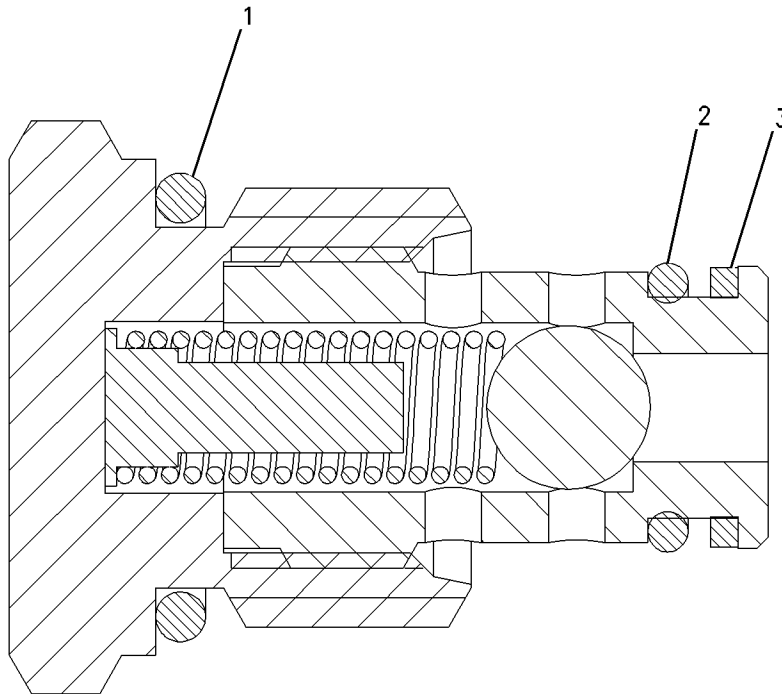
S/N: BPC1-UP

PART OF 149-4617 VALVE GP-CHECK
AN ATTACHMENT

SMCS-4275, 5067

i01432567

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
	2	1	161-6154	1	SEAL-O-RING (9.25MM ID)						
	3	1	6E-0381	1	RING-BACKUP (9.715MM ID)						



GRAPHIC #1

g00707403

STEERING SYSTEM

176-9370 VALVE GP-CHECK-STEERING

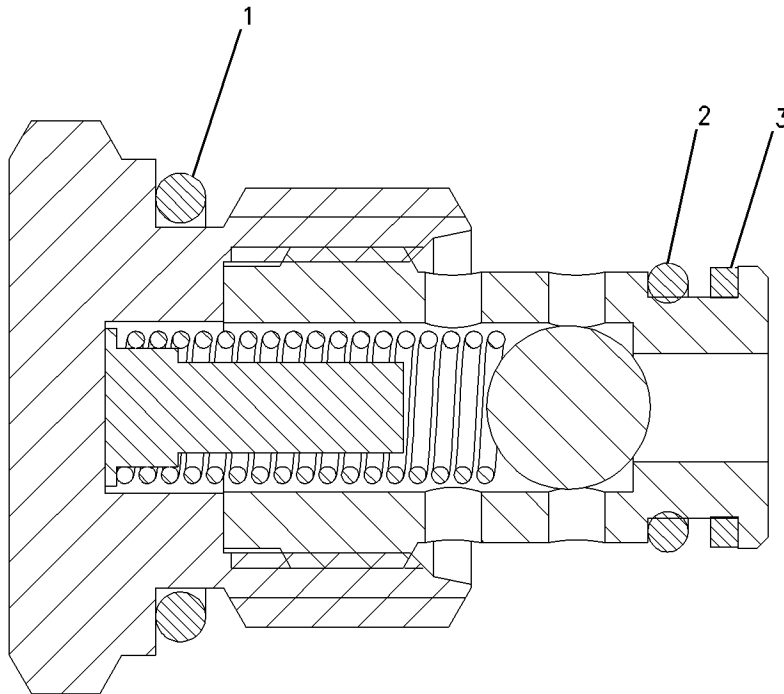
S/N: BPC1-UP

PART OF 149-4617 VALVE GP-CHECK
AN ATTACHMENT

SMCS-4275, 5067

i01426282

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
	2	1	161-6154	1	SEAL-O-RING (9.25MM ID)						
	3	1	6E-0381	1	RING-BACKUP (9.715MM ID)						



GRAPHIC #1

g00707403

STEERING SYSTEM

143-2855 VALVE GP-PILOT-STEERING

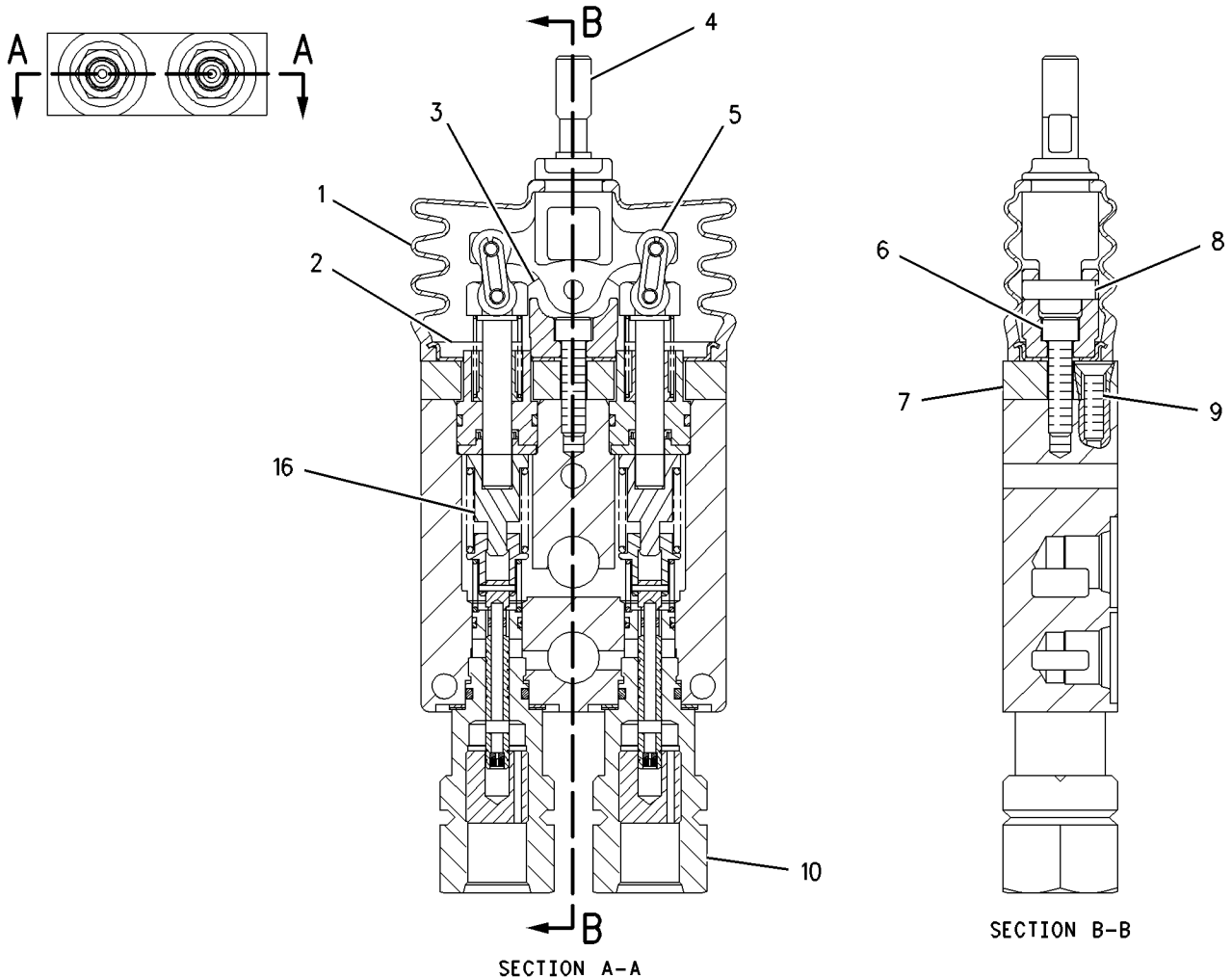
S/N: BPC1-UP

PART OF 141-4940 CONTROL GP-STEERING

SMCS-4342

i01627923

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	104-4272	1	BOOT	
	2	1	104-4273	1	CLAMP	
	3	1	104-4256	1	BRACKET	
	4	1	104-4255	1	HANDLE	
	5	1	104-4270	2	LINK-CONNECTING	
	6	1	9F-6641	1	BOLT (5/16-18X1.25 IN)	
	7	1	104-4274	1	SPACER	
	8	1	104-4271	1	DOWEL	
	9	1	8M-6802	2	SCREW-HEX SOCKET	
Y	10	1	147-1238	2	VALVE GP-PILOT CARTRIDGE	495
Y	16	1	147-1237	2	VALVE GP-PILOT CARTRIDGE	494
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

g00842467

STEERING SYSTEM

147-1237 VALVE GP-PILOT CARTRIDGE-STEERING

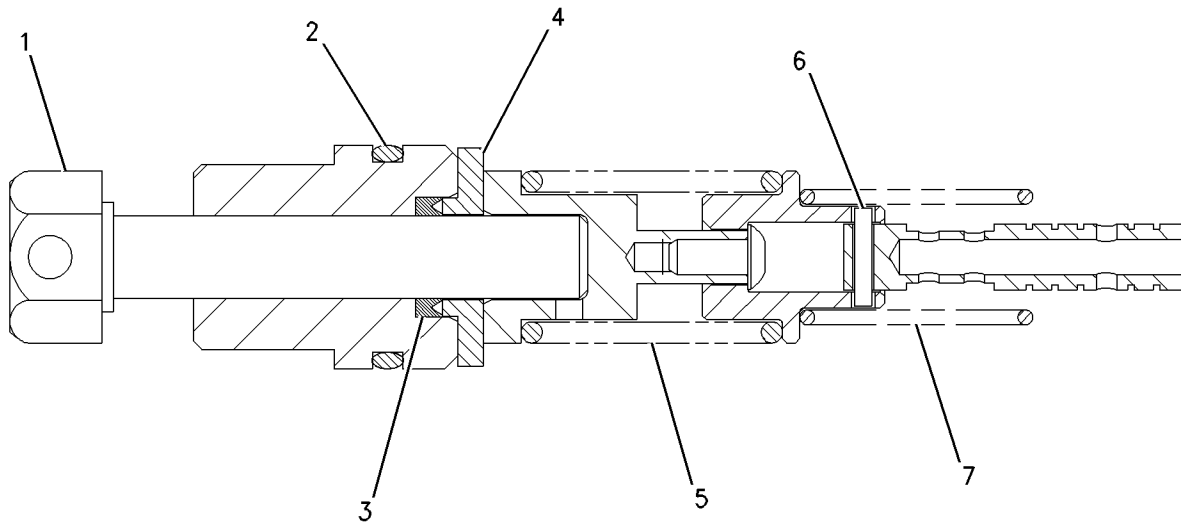
S/N: BPC1-UP

PART OF 143-2855 VALVE GP-PILOT

SMCS-4342

i01563164

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	103-7410	1	PLUNGER						
	2	1	5P-8356	1	SEAL-O-RING						
J	3	1	147-3061	1	SEAL-SPOOL						
	4	1	6E-0763	1	RETAINER						
	5	1	103-7407	1	SPRING						
	6	1	6E-3769	1	PIN						
	7	1	6E-3767	1	SPRING						
AVAILABLE REPAIR KIT(S) :											
J			1G-5928	1	KIT-PLUNGER SEAL						
(INCLUDES SEAL-O-RING)											
J-REPAIR KIT(S) MARKED J SERVICES PART(S) MARKED J											



GRAPHIC #1

g00751333

STEERING SYSTEM

147-1238 VALVE GP-PILOT CARTRIDGE-STEERING

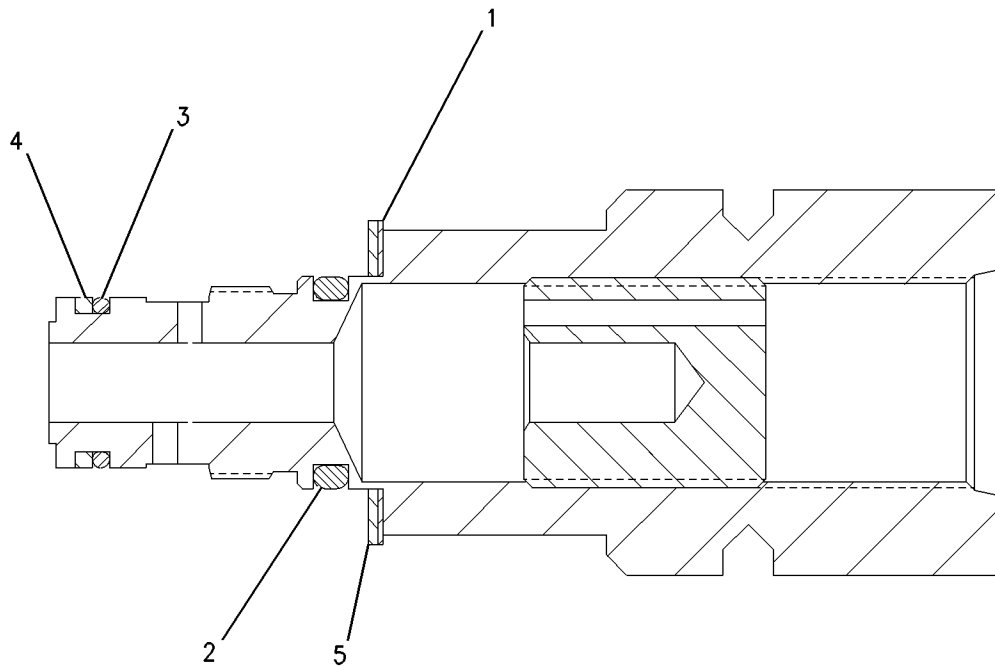
S/N: BPC1-UP

PART OF 143-2855 VALVE GP-PILOT

SMCS-4342

i01512081

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
B	1	1	103-6318	1	SHIM						
	2	1	095-1519	1	SEAL-O-RING						
	3	1	6V-5758	1	SEAL-O-RING						
	4	1	6E-0770	1	RING-BACKUP						
B	5	1	103-6319	1	SHIM						
B-USE AS REQUIRED											



GRAPHIC #1

g00751167

STEERING SYSTEM

176-7520 VALVE GP-PRESSURE COMPENSATOR

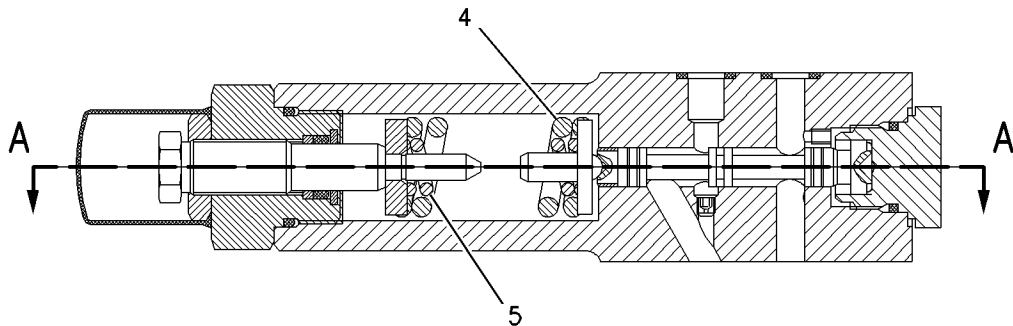
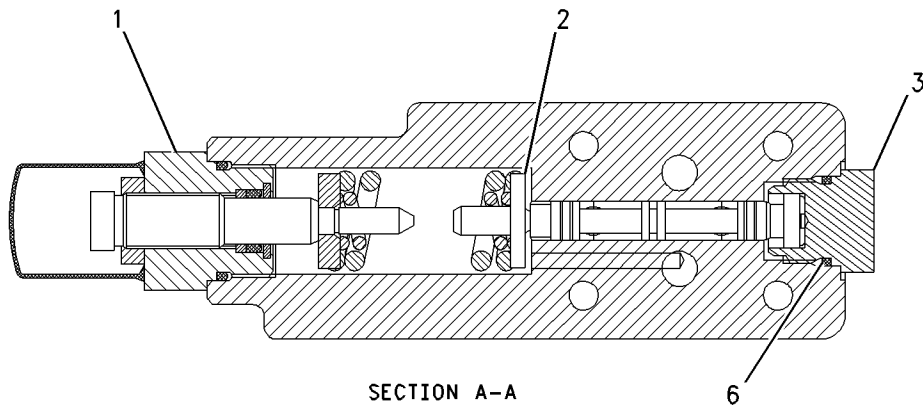
S/N: BPC1-UP

PART OF 153-9624 PUMP GP-PISTON

SMCS-5086

i01505365

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	194-3286	1	PLUG GP-CONTROL (PRESSURE)	478
	2	1	194-3285	1	RETAINER	
J	3	1	194-3287	1	PLUG	
	4	1	194-3288	1	SPRING (OUTTER)	
	5	1	194-3289	1	SPRING (INNER)	
J	6	1	6V-5142	1	SEAL-O-RING	
AVAILABLE REPAIR KIT(S) :						
J				1	KIT-VALVE REPAIR	
J-REPAIR KIT(S) MARKED J SERVICES PART(S) MARKED J						
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

g00751359

STEERING SYSTEM

6E-3986 VALVE GP-RELIEF-SECONDARY STEERING

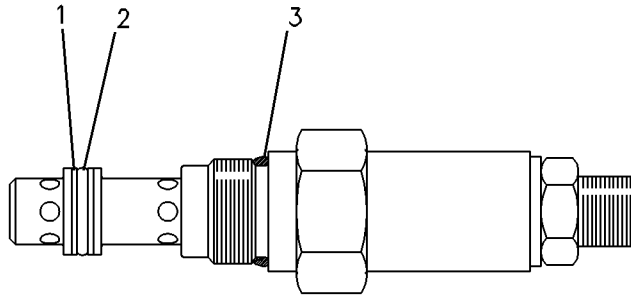
S/N: BPC1-UP

PART OF 150-4087 VALVE GP-STEERING
AN ATTACHMENT

SMCS-4322, 5069, 7428

i00174407

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	7X-4776	2	RING-BACKUP	
	2	1	8C-3097	1	SEAL-O-RING (13.1MM ID)	
	3	1	3K-0360	1	SEAL-O-RING (16.36MM ID)	
AVAILABLE REPAIR KIT(S) :						
			6E-4753	1	KIT-SEAL	



GRAPHIC #1

g00119845

STEERING SYSTEM

6E-6188 VALVE GP-RELIEF-PUMP BACKUP

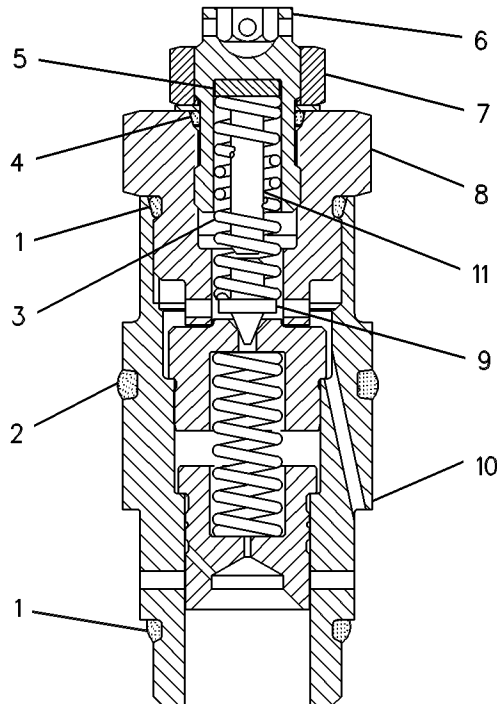
S/N: BPC1-UP

PART OF 149-0392, 150-4087 VALVE GP-STEERING
AN ATTACHMENT

SMCS-4322, 5069, 7428

i00177134

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7M-8485	2	SEAL-O-RING (29.74MM ID)						
	2	1	4J-0522	1	SEAL-O-RING (37.69MM ID)						
	3	1	4T-2770	1	SPRING						
	4	1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
	5	1	4Y-5812	1	PLATE						
	6	1	6E-5510	1	RETAINER AS						
	7	1	9X-6395	1	NUT-ORFS (3/4-16 THD)						
	8	1	6E-1127	1	CAP						
	9	1	8J-0331	1	VALVE						
	10	1	6E-6138	1	VALVE GP						
		1	8H-3532	1	SPRING-VALVE						
	11	1	7J-2546	1	PISTON						



GRAPHIC #1

g00120937

STEERING SYSTEM

6E-5566 VALVE GP-SELECTOR & PRESS CONT- SECONDARY STEERING

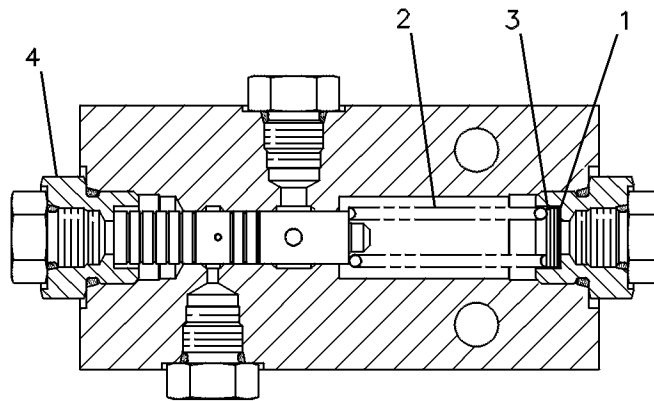
S/N: BPC1-UP

PART OF 144-7253 LINES GP-SECONDARY STEERING
AN ATTACHMENT

SMCS-4349

i01500291

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5S-7018	3	SPACER (14.15X7.54X.25MM THK)						
	2	1	7S-8553	1	SPRING						
	3	1	5S-7001	3	SPACER (.91MM THK)						
	4	1	108-3866	2	ADAPTER						
		1	2M-9780	2	SEAL-O-RING						



GRAPHIC #1

g00120846

STEERING SYSTEM

4T-1860 VALVE GP-SHUTTLE

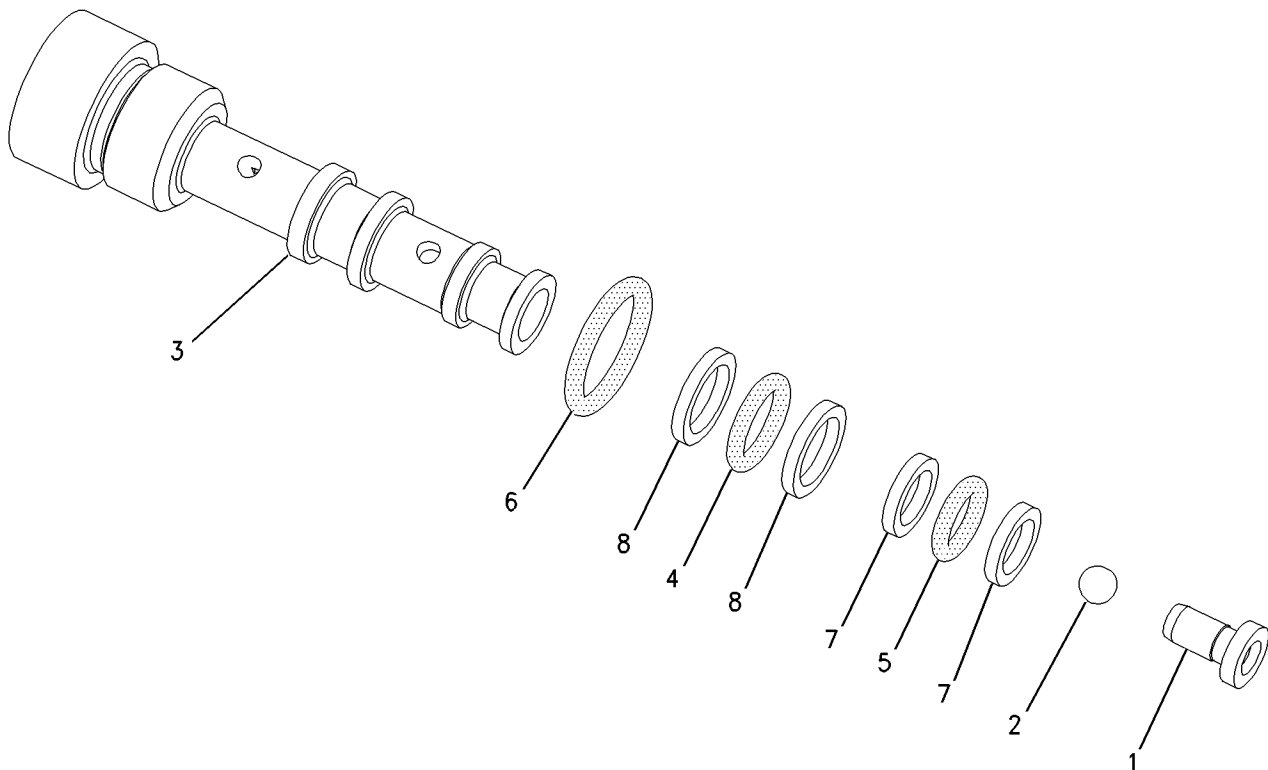
S/N: BPC1-UP

PART OF 149-0392, 150-4087 VALVE GP-STEERING
AN ATTACHMENT

SMCS-5079

i01624620

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Z	1	1		1	SEAT						
	2	1	1M-6718	1	BALL						
Z	3	1		1	VALVE						
	4	1	8C-3085	1	SEAL-O-RING						
	5	1	6V-5586	1	SEAL-O-RING						
	6	1	3J-1907	1	SEAL-O-RING						
	7	1	4T-5070	2	RING-BACKUP						
	8	1	4T-5071	2	RING-BACKUP						
Z-NOT SERVICED SEPARATELY											



GRAPHIC #1

g00775006

MEMORANDA

STEERING SYSTEM

149-0392 VALVE GP-STEERING

S/N: BPC1-UP

PART OF 144-7250 VALVE & MTG GP-STEERING
AN ATTACHMENT

SMCS-4307

i01541181

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	9S-8010	2	PLUG-O-RING	
	2	1	2S-4078	3	SEAL-O-RING	
	3	2	152-9152	1	PLUG GP	
	4	2	9J-9821	2	SEAT	
	6	1	1P-4579	2	FLANGE-HALF	
	8	1	8T-4223	16	WASHER-HARD (13.5X25.5X3MM THK)	
	9	1	9S-4191	2	PLUG-STRAIGHT THREAD (9/16-18 THD)	
	10	1	6E-4286	1	VALVE GP-PRESSURE REDUCING	
Y	11	1	6E-6188	1	VALVE GP-RELIEF (PUMP BACKUP)	498
	12	2	9S-8008	3	PLUG-O-RING	
	13	2	3D-2824	3	SEAL-O-RING	
	14	2	4B-9782	2	BALL	
	15	2	2S-2596	2	SPRING	
	16	2	7J-1089	1	PLUG-O-RING	
		2	7M-5130	1	PIN-SPRING	
	17	1, 2	3J-1907	4	SEAL-O-RING	
	18	1	6E-4513	1	ADAPTER-O-RING	
	19	1	1P-5767	6	FLANGE-HALF	
M	20	1	8T-4194	12	BOLT (M12X1.75X50MM)	
	21	1	6E-4514	1	ADAPTER-O-RING	
	22	1	6K-6307	1	SEAL-O-RING	
Y	23	2	4T-1860	1	VALVE GP-SHUTTLE (BALL RESOLVER)	500
M	24	1	8T-4183	4	BOLT (M12X1.75X40MM)	
	26	2	9T-7419	1	VALVE GP-RELIEF (STEERING CYLINDER CROSSOVER)	
		2	2M-9780	1	SEAL-O-RING	
		2	5P-2199	2	RING-BACKUP	
		2	6E-0410	1	SEAL-O-RING	
B	27	1	4J-8224	5	SHIM (.254MM THK)	
B	28	1	5J-4776	1	SHIM (.127MM THK)	
	29	1	7J-2927	1	WASHER	
	30	1	4J-8634	1	RETAINER-SPRING	
	31	1	3K-6113	1	WASHER-HARD (12X18.5X3MM THK)	
	32	1	6E-4499	1	SPRING	
	33	1	6E-4500	1	SPRING	
M	34	1	8T-2223	1	BOLT-SOCKET HEAD (M10X1.5X45MM)	
	35	1	6E-3775	1	RETAINER	
	37	1, 2	9S-8002	16	PLUG-O-RING	
	38	2	1T-0936	2	PLUG-PIPE	
	39	1, 2	3J-7354	16	SEAL-O-RING	

B-USE AS REQUIRED

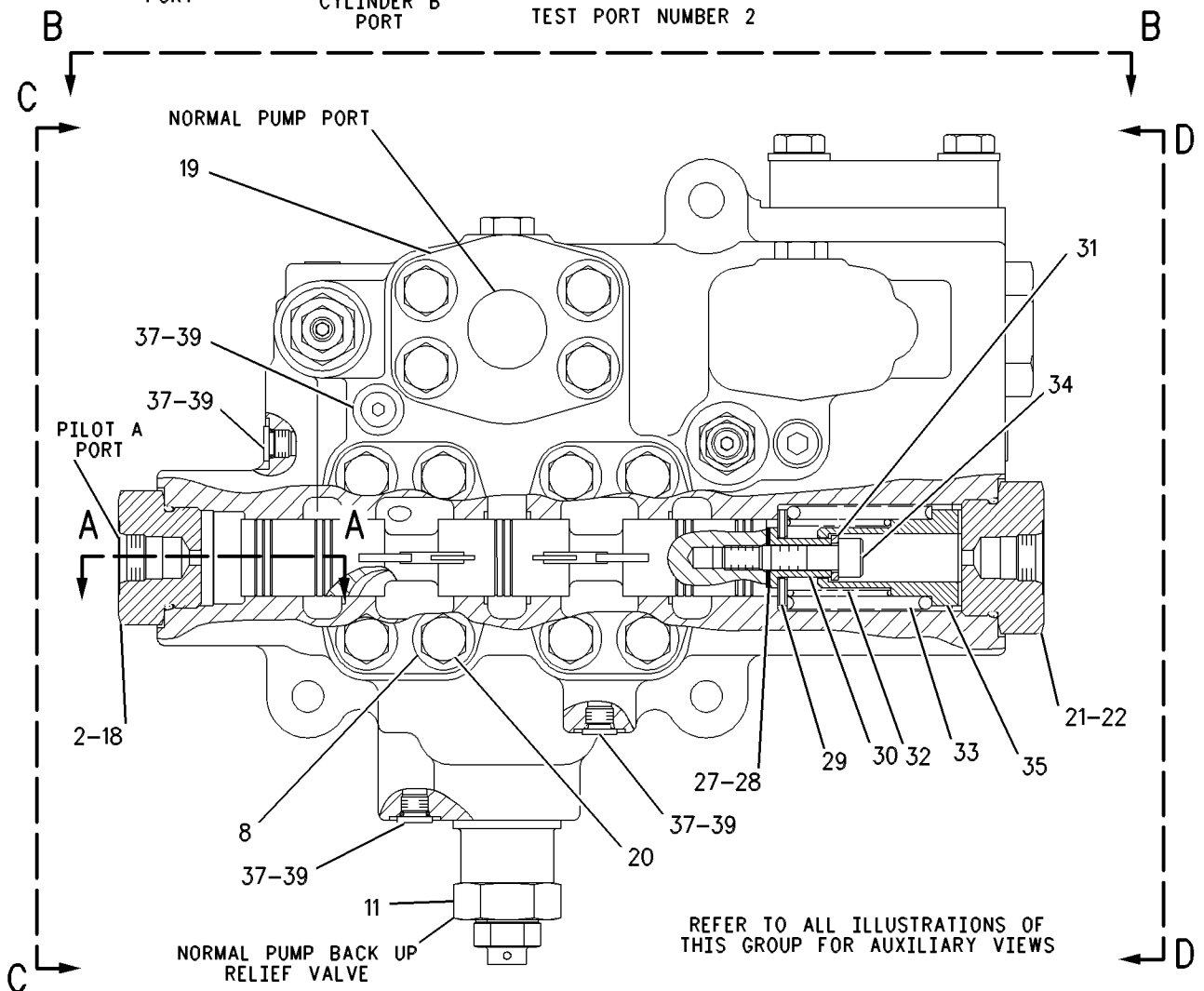
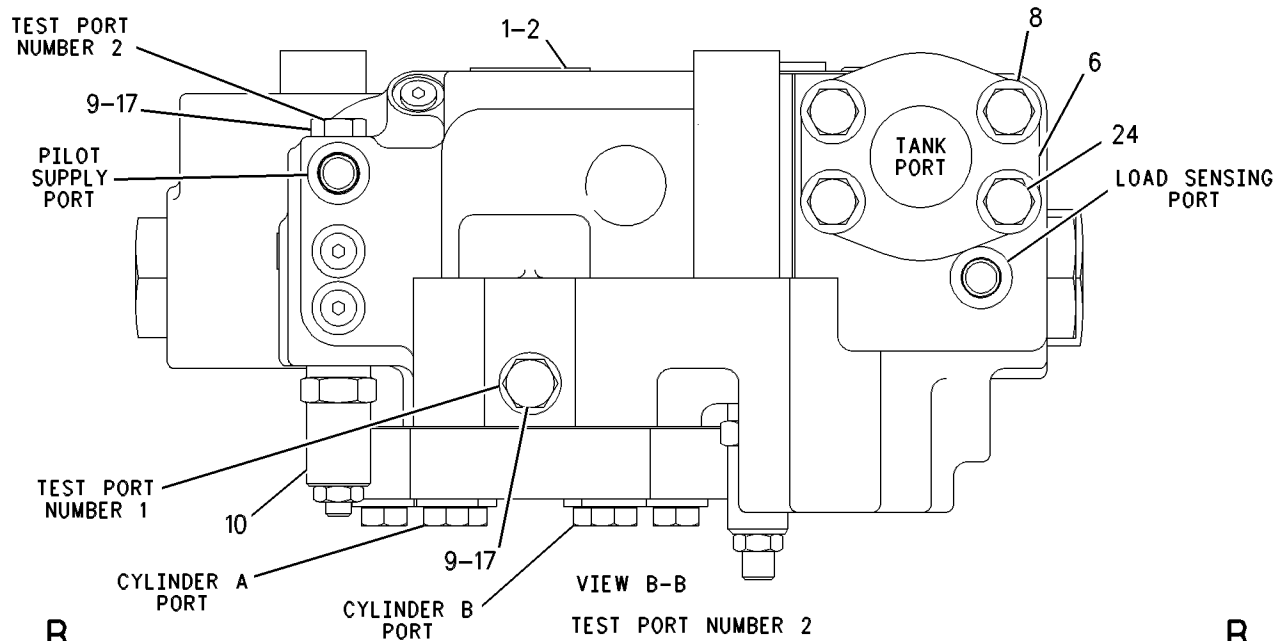
M-METRIC PART

Y-SEPARATE ILLUSTRATION

STEERING SYSTEM

149-0392 VALVE GP-STEERING (contd.)

i01541181



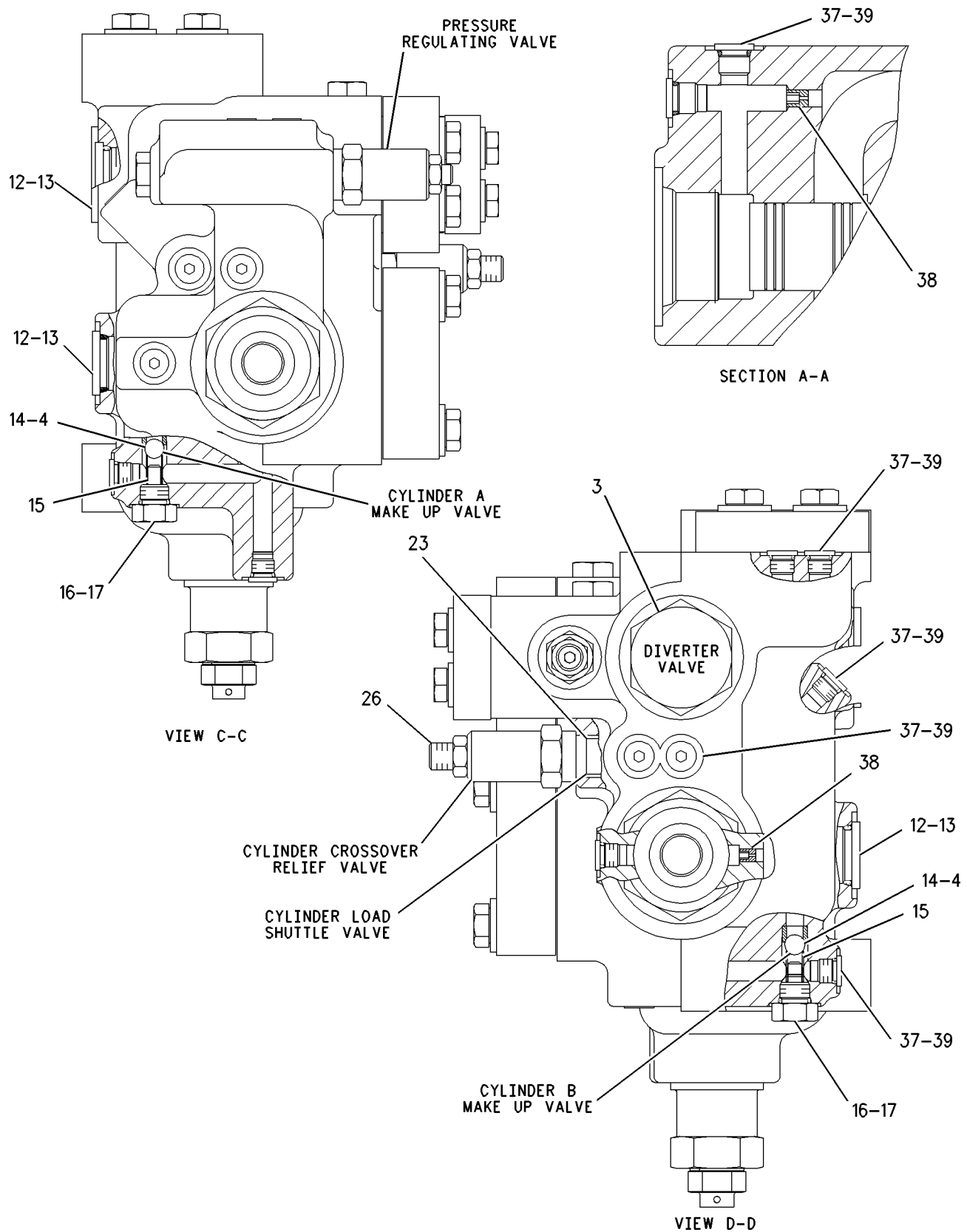
GRAPHIC #1

g00513520

STEERING SYSTEM

149-0392 VALVE GP-STEERING (contd.)

i01541181



GRAPHIC #2

g00800803

MEMORANDA

STEERING SYSTEM

150-4087 VALVE GP-STEERING

S/N: BPC1-UP

WITH SECONDARY STEERING

PART OF 144-7253 LINES GP-SECONDARY STEERING

AN ATTACHMENT

SMCS-4307

i01541261

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	9S-8010	1	PLUG-O-RING	
	2	1	2S-4078	3	SEAL-O-RING	
	3	1	5J-3419	1	SPRING	
	4	1	6E-3780	1	VALVE	
	5	2	9J-9821	2	SEAT	
	7	1	7S-8491	1	SPRING	
	8	1	7J-7423	1	VALVE	
	9	1	1U-0323	1	PLUG AS	
		1	1U-0322	1	BEARING-SLEEVE (12.65MM ID)	
	10	1	1P-4579	2	FLANGE-HALF	
	12	1	8T-4223	16	WASHER-HARD (13.5X25.5X3MM THK)	
Y	13	1	6E-3986	1	VALVE GP-RELIEF (SECONDARY STEERING)	497
	14	1	9S-4191	3	PLUG-STRAIGHT THREAD (9/16-18 THD)	
	15	1	8C-3206	2	FLANGE-HALF	
M	16	1	8T-4183	4	BOLT (M12X1.75X40MM)	
M	17	1	8T-4194	12	BOLT (M12X1.75X50MM)	
	18	1	6E-4286	1	VALVE GP-PRESSURE REDUCING	
Y	19	1	6E-6188	1	VALVE GP-RELIEF (PUMP BACKUP)	498
	20	2	9S-8008	3	PLUG-O-RING	
	21	2	3D-2824	3	SEAL-O-RING	
	22	2	4B-9782	2	BALL	
	23	2	2S-2596	2	SPRING	
	24	2	7J-1089	1	PLUG-O-RING	
		2	7M-5130	1	PIN-SPRING	
	25	1,2	3J-1907	5	SEAL-O-RING	
	26	1	6E-4513	1	ADAPTER-O-RING	
	27	1	1P-5767	6	FLANGE-HALF	
	28	1	8T-4121	4	WASHER-HARD (11X21X2.5MM THK)	
	29	1	6E-4514	1	ADAPTER-O-RING	
	30	1	6K-6307	1	SEAL-O-RING	
Y	31	2	4T-1860	1	VALVE GP-SHUTTLE (BALL RESOLVER)	500
M	32	1	8T-4196	4	BOLT (M10X1.5X35MM)	
	33	2	152-6478	1	VALVE GP-DIVERTER	
	35	1,2	9T-7419	1	VALVE GP-RELIEF (STEERING CYLINDER CROSSOVER)	
		1,2	2M-9780	1	SEAL-O-RING	
		1,2	5P-2199	2	RING-BACKUP	
		1,2	6E-0410	1	SEAL-O-RING	
B	36	1	4J-8224	5	SHIM (.254MM THK)	
B	37	1	5J-4776	1	SHIM (.127MM THK)	
	38	1	7J-2927	1	WASHER	
	39	1	4J-8634	1	RETAINER-SPRING	
	40	1	3K-6113	1	WASHER-HARD (12X18.5X3MM THK)	
	41	1	6E-4499	1	SPRING	
	42	1	6E-4500	1	SPRING	
M	43	1	8T-2223	1	BOLT-SOCKET HEAD (M10X1.5X45MM)	
	44	1	6E-3775	1	RETAINER	
	46	1,2	9S-8002	17	PLUG-O-RING	
	47	1,2	3J-7354	17	SEAL-O-RING	
	48	2	1T-0936	2	PLUG-PIPE	

B-USE AS REQUIRED

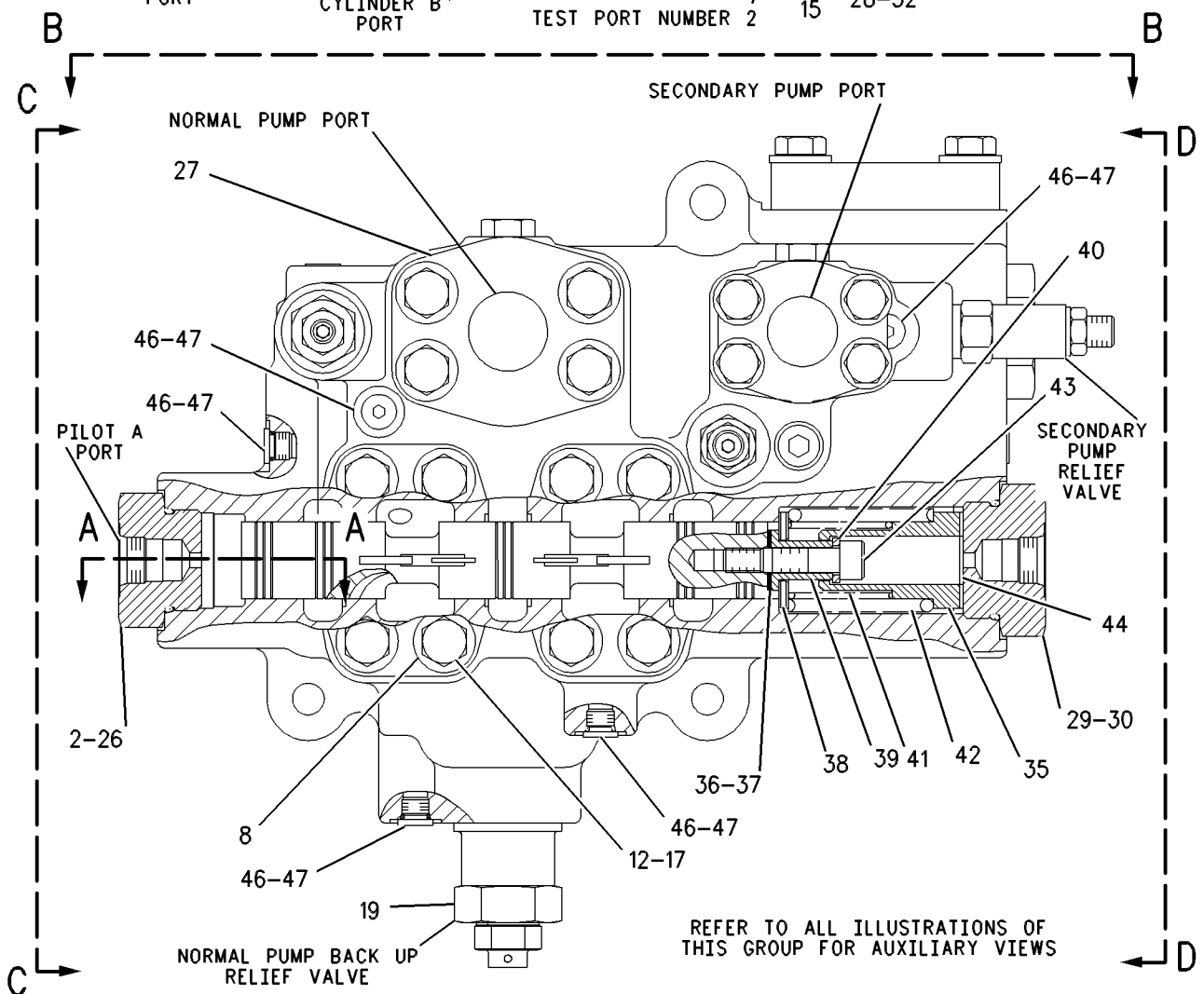
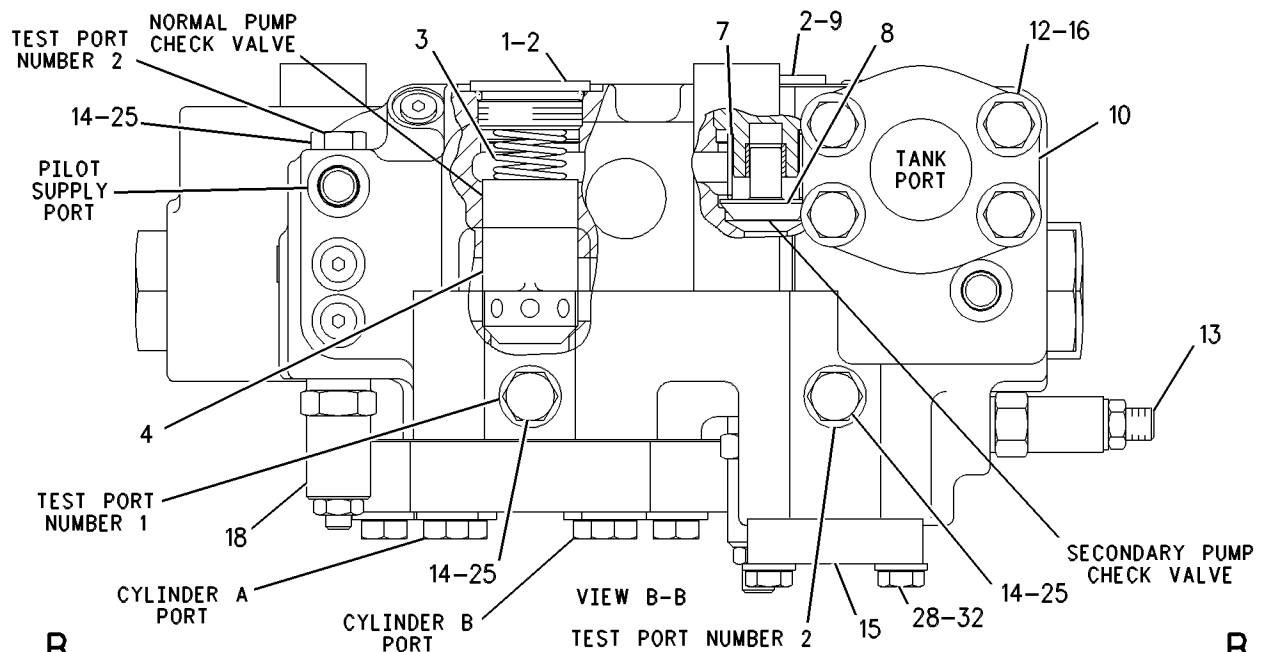
M-METRIC PART

Y-SEPARATE ILLUSTRATION

STEERING SYSTEM

150-4087 VALVE GP-STEERING (contd.)

i01541261



REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

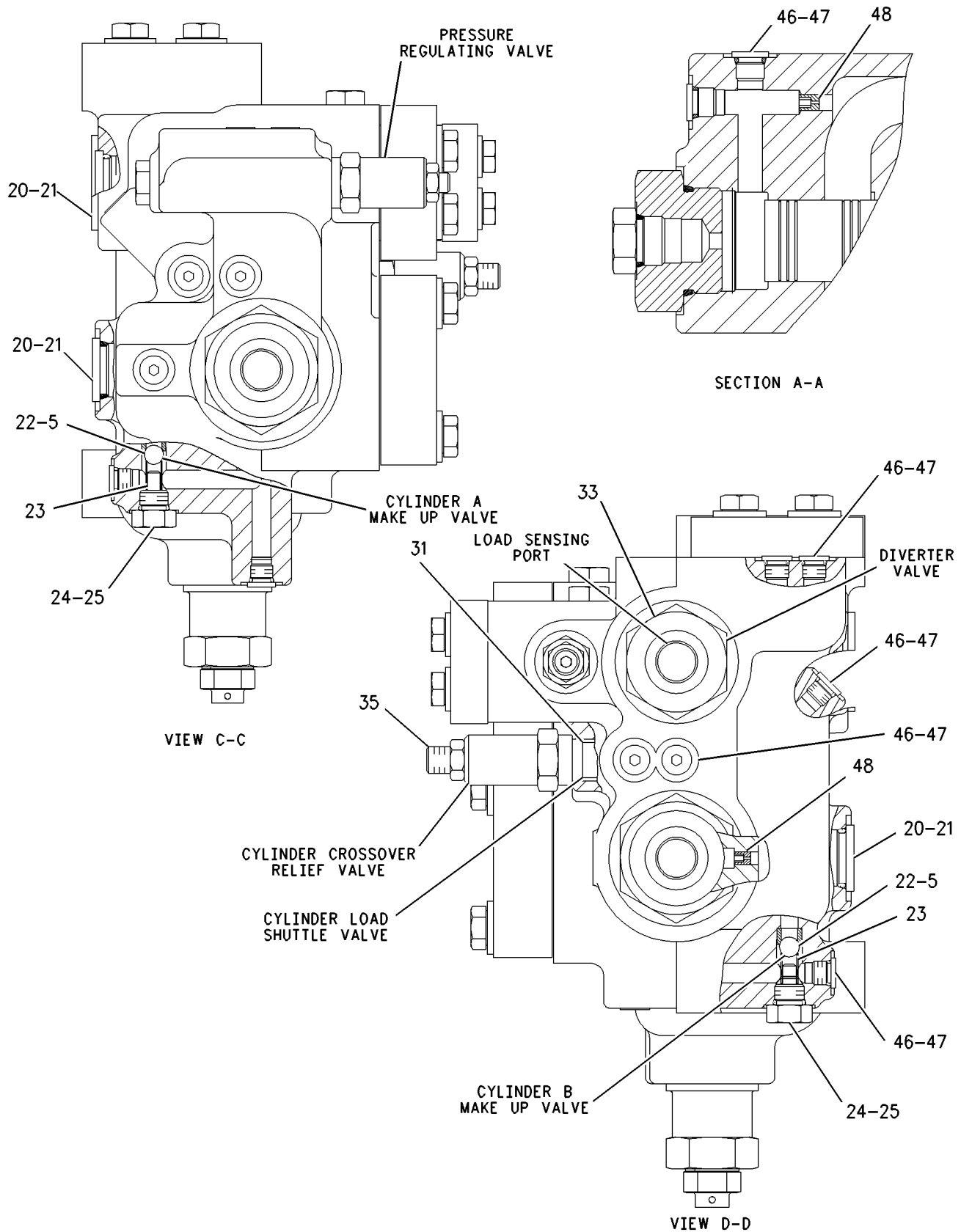
GRAPHIC #1

g00560019

STEERING SYSTEM

150-4087 VALVE GP-STEERING (contd.)

i01541261



GRAPHIC #2

g00800833

STEERING SYSTEM

146-7571 VALVE GP-STEERING NEUTRALIZER

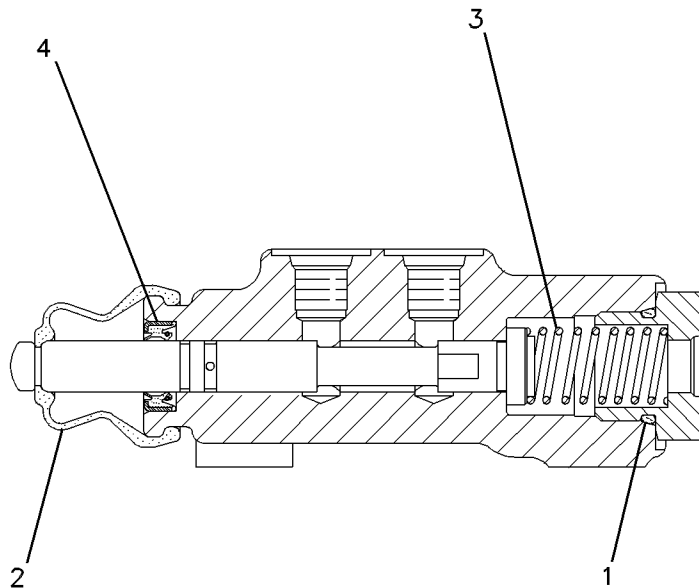
S/N: BPC1-UP

PART OF 145-0319 LINES GP-STEERING NEUTRALIZER
AN ATTACHMENT

SMCS-4330

i01006057

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3D-2824	1	SEAL-O-RING (23.47MM ID)						
	2	1	6J-4568	1	BOOT						
	3	1	5F-9035	1	SPRING						
	4	1	135-0349	1	SEAL						



GRAPHIC #1

g00494093

HYDRAULIC SYSTEM

141-5502 ACTUATOR GP-PILOT CONTROL

S/N: BPC1-UP

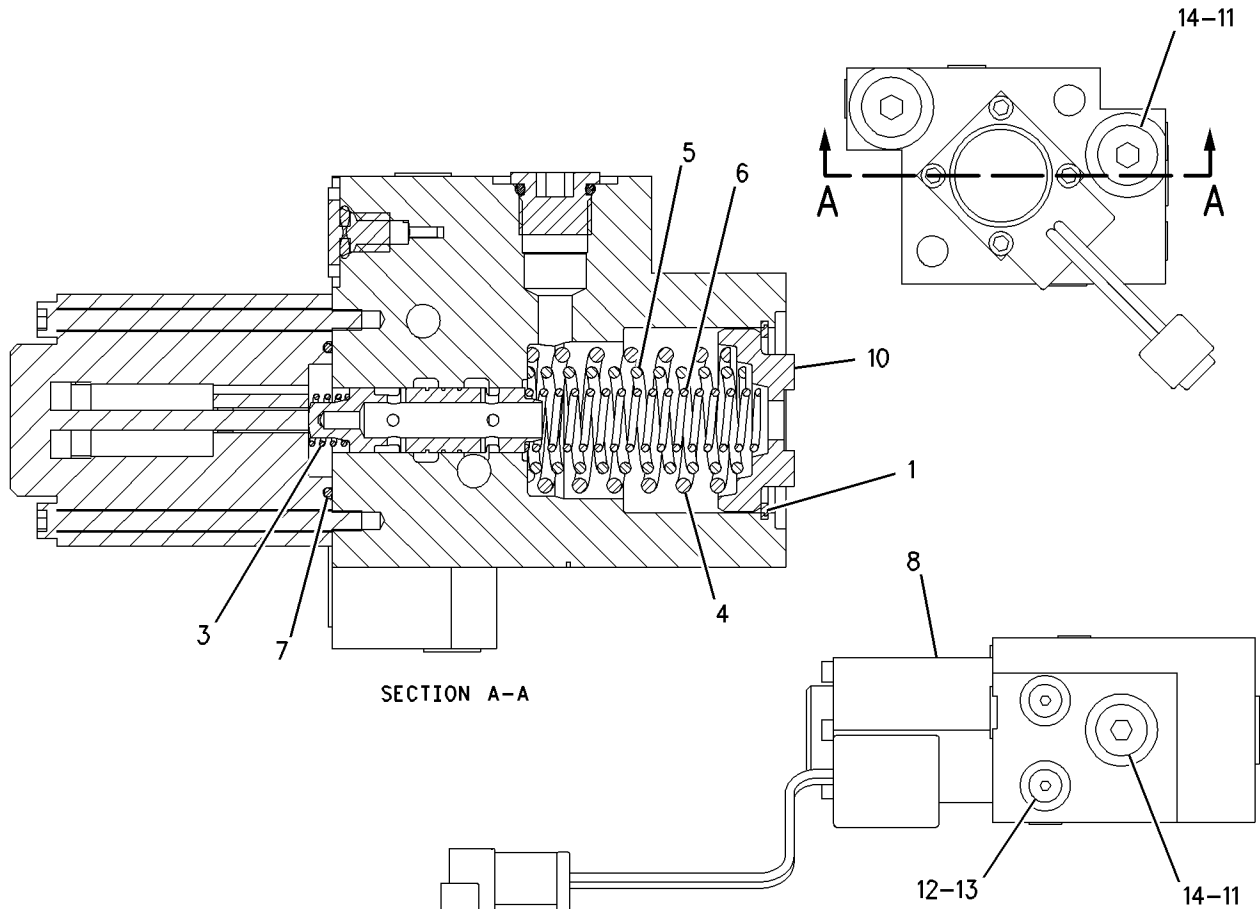
PART OF 192-0902 VALVE GP-MAIN CONTROL

SMCS-5078

i01562907

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	5S-6980	1	RING-RETAINING	
	3	1	137-4756	1	SPRING	
	4	1	141-5497	1	SPRING	
	5	1	141-5498	1	SPRING	
	6	1	159-8402	1	SPRING-FEEDBACK	
	7	1	077-3241	1	SEAL-O-RING	
	8	1	112-5874	1	SOLENOID AS-PROPORTIONAL	
B		1	1S-9593	2	STRAP-CABLE	
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)	
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
		1	8T-8729	2	PIN-CONNECTOR	
M		1	129-3174	4	BOLT-SOCKET HEAD (M4X.7X60MM)	
	10	1	142-2864	1	RETAINER	
	11	1	3J-1907	3	SEAL-O-RING	
	12	1	4J-7533	5	SEAL-O-RING	
	13	1	9S-8001	5	PLUG (5/16-24 THD)	
	14	1	9S-8004	3	PLUG (9/16-18 THD)	

B-USE AS REQUIRED
M-METRIC PART



GRAPHIC #1

g00769645

MEMORANDA

HYDRAULIC SYSTEM

183-8479 CONTROL GP-ELECTROHYDRAULIC

S/N: BPC1-UP
JOYSTICK, 3 FUNCTION
PART OF 202-9743 CAB AR

SMCS-5702

i01627927

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	2M-4009	1	PLUG-BUTTON	
	2	1	3E-0109	1	PLUG-ROCKER SWITCH	
	3	2	3E-3377	1	WEDGE-RECEPTACLE LOCK	
	4	2	3E-5239	1	RELAY AS (24 VOLT)	
	5	2	6L-8598	1	RING-RETAINING	
	6	2	8C-3111	1	ROD END	
M	7	2	8C-6364	2	BOLT-SOCKET HEAD (M5X.8X14MM)	
	8	2	8T-8737	2	PLUG-SEAL	
	9	2	122-0473	3	SPACER-RUBBER (6.5MM THK)	
	10	1	122-0477	1	COVER-DOME	
	11	1	122-0479	1	COVER-DOME	
	12	1	122-0480	1	COVER-DOME	
	13	1	127-5512	1	KNOB	
	14	1	188-3984	1	SWITCH AS-PUSH (THROTTLE LOCK SET)	
		1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)	
		1	186-3735	3	PIN-CONNECTOR	
		1	3K-0835	1	NUT (5/8-24 THD)	
		1	6F-0253	1	LOCKWASHER	
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)	
	15	1	188-3983	1	SWITCH AS-PUSH (THROTTLE LOCK RESUME)	
		1	3K-0835	1	NUT (5/8-24 THD)	
		1	6F-0253	1	LOCKWASHER	
		1	155-2276	1	WEDGE-PLUG LOCK	
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
		1	186-3736	3	SOCKET-CONNECTOR	
	16	2	148-8472	1	LEVER	
	17	2	148-8473	1	ROD-DETENT	
	18	2	148-8475	1	DETENT AS	
	19	2	148-8476	1	TUBE-DETENT	
	20	2	148-8477	2	BALL AS	
	21	2	148-8478	1	BEARING	
	22	2	148-8855	1	BRACKET AS	
M		2	8T-3612	2	NUT-WELD (M8X1.25 THD)	
	23	1	149-5612	1	ROD	
	24	2	151-6427	2	BEARING	
	25	2	152-9832	1	HARNESS AS-CONTROL (ELECTROHYDRAULIC)	
		2	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
		2	155-2271	1	KIT-CONNECTING PLUG (4 PIN)	
		2	155-2265	1	KIT-CONNECTING PLUG (8 PIN)	
		2	102-8803	1	KIT-RECEPTACLE (3 PIN)	
		2	102-8806	1	KIT-RECEPTACLE (8 PIN)	
		2	3S-2093	9	STRAP-CABLE	
		2	8T-8737	3	PLUG-SEAL	
	26	1	159-0719	1	HOUSING-SHAFT	
	27	2	159-0720	2	LEVER	
	28	2	161-0223	2	SPRING	
Y	29	2	161-8979	2	SENSOR GP-POSITION (SPRINGLESS) (CONTROL LEVER)	177
	30	1	163-5516	2	BEARING	
	31	1	164-0882	2	LEVER	
	32	2	164-1942	1	BEARING	
	33	2	164-6511	2	SPRING	
	34	1	165-4522	1	LEVER	
	35	1	166-4805	1	GUARD AS	
M		1	6V-9632	1	NUT-WELD (M6X1 THD)	
	36	1	170-0475	2	BEARING	

HYDRAULIC SYSTEM

183-8479 CONTROL GP -ELECTROHYDRAULIC (contd.)

i01627927

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	37	1	170-0970	1	CUSHION AS						
	38	1	170-1821	1	SWITCH AS-PUSH BUTTON (HORN)						
		1	6F-0253	1	LOCKWASHER						
		1	8T-8729	2	PIN-CONNECTOR						
		1	172-3511	1	NUT (5/8-24 THD)						
	39	1	170-3434	2	WASHER						
	40	2	170-7096	1	GUARD AS						
M		2	6V-9632	3	NUT-WELD (M6X1 THD)						
	41	1	177-0277	1	COVER AS						
M		1	6V-9632	2	NUT-WELD (M6X1 THD)						
	42	2	177-0368	1	SUPPORT AS						
M		2	6V-9632	10	NUT-WELD (M6X1 THD)						
	43	1	180-2562	1	SWITCH AS-ROCKER (IMPLEMENT LOCKOUT)						
	44	1	180-2565	1	SWITCH AS-ROCKER (IMPLEMENT FUNCTION SELECTOR)						
	45	1	183-4177	1	BRACKET						
	46	1	185-8020	1	FILM						
M	47	2	099-0822	2	BOLT-SOCKET HEAD (M5X.8X10MM)						
	48	2	102-8804	1	KIT-RECEPTACLE (4 PIN)						
M	49	2	5C-2890	4	NUT (M6X1 THD)						
M	50	1	5C-7261	1	NUT (M8X1.25 THD)						
M	51	2	5C-9553	2	BOLT (M6X1X16MM)						
M	52	1	6V-2314	2	BOLT (M5X0.8X35MM)						
	53	2	6V-7699	2	WASHER-HARD (5.5X13X1.6MM THK)						
	54	1, 2	8T-0328	4	WASHER-HARD (5.5X10X1MM THK)						
M	55	2	8T-0335	2	BOLT (M5X0.8X40MM)						
M	56	2	8T-4138	1	BOLT (M6X1X20MM)						
M	57	1	8T-4200	2	BOLT (M8X1.25X16MM)						
	58	2	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)						
	59	1	8T-4224	2	WASHER-HARD (8.8X16X2MM THK)						
M	60	1	9X-2042	11	SCREW-TRUSS HEAD (M6X1X12MM)						
M	61	2	9X-2044	3	SCREW-TRUSS HEAD (M6X1X16MM)						
M	62	1, 2	9X-2046	4	SCREW-TRUSS HEAD (M6X1X35MM)						
	63	2	122-0471	2	SLEEVE						
M	64	2	8T-7964	1	NUT (M6X1 THD)						
	65	2	169-0927	1	HARNESS AS-CONTROL (CONTROL LEVER POSITION SENSOR)						
		2	155-2260	2	KIT-CONNECTING PLUG (3 PIN)						
		2	102-8801	1	KIT-RECEPTACLE (12 PIN)						
		2	3S-2093	3	STRAP-CABLE						
		2	8T-8737	6	PLUG-SEAL						

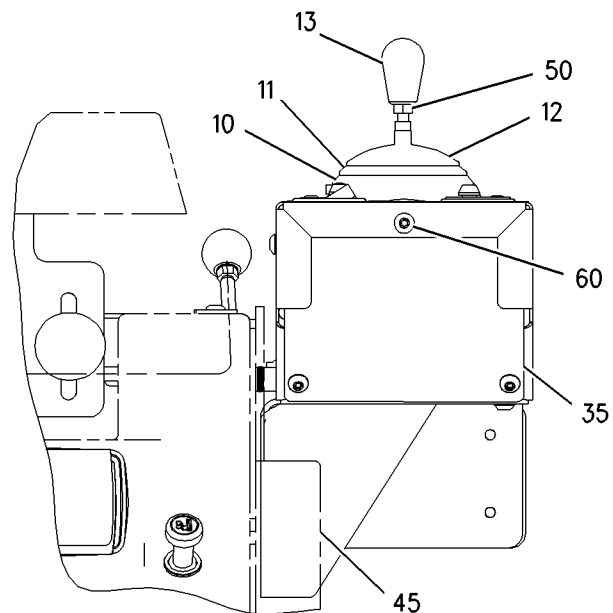
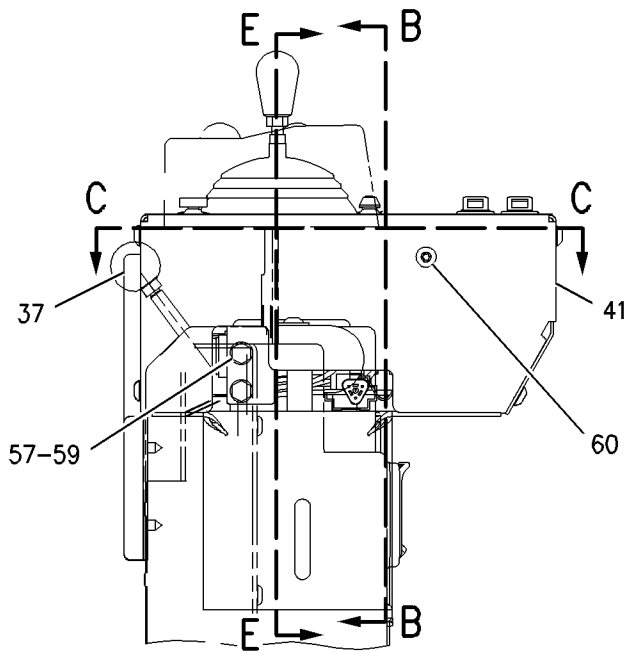
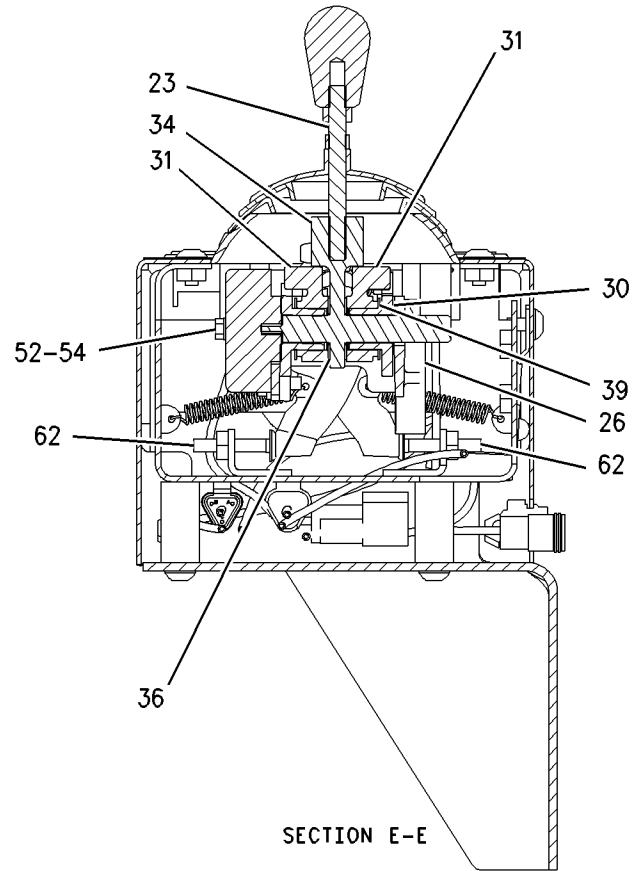
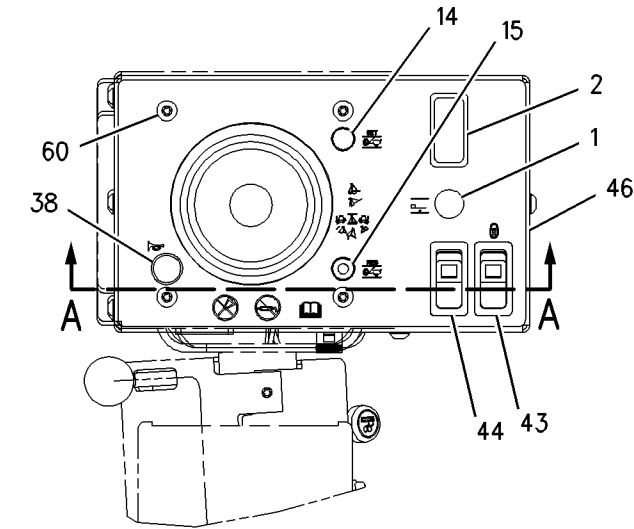
M-METRIC PART
Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

183-8479 CONTROL GP - ELECTROHYDRAULIC (contd.)

i01627927

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



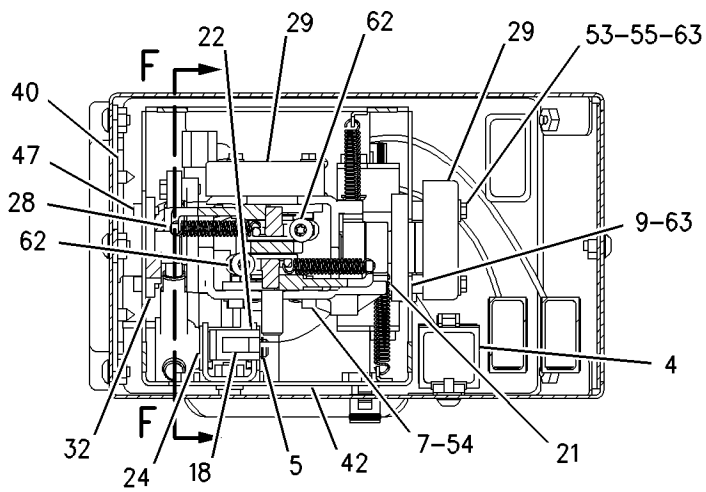
GRAPHIC #1

g00720838

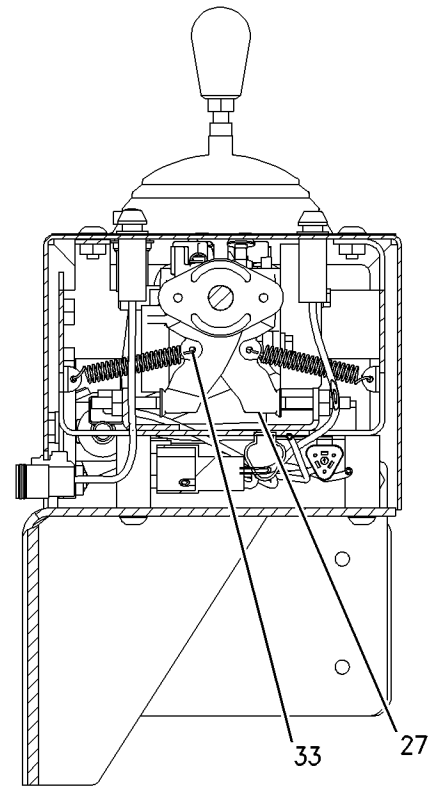
HYDRAULIC SYSTEM

183-8479 CONTROL GP - ELECTROHYDRAULIC (contd.)

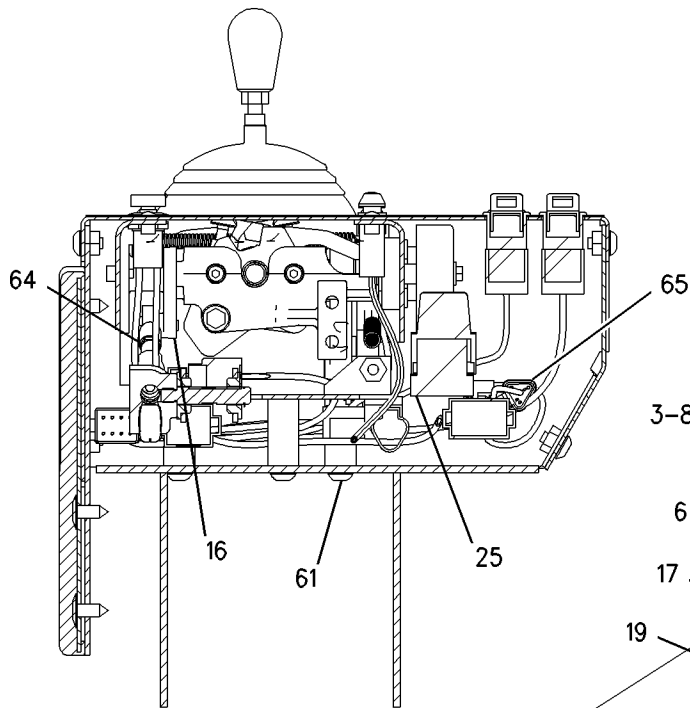
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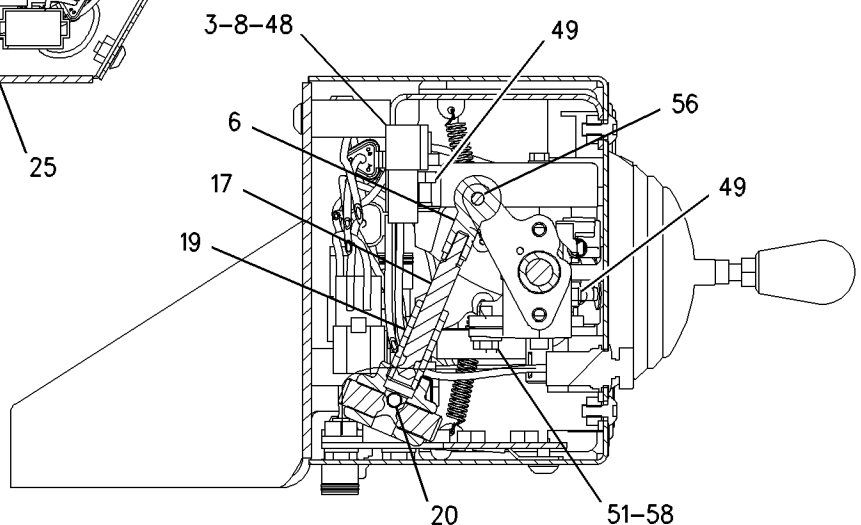
SECTION C-C
GRAPHIC 1



SECTION B-B
GRAPHIC 1



SECTION A-A
GRAPHIC 1



GRAPHIC F-F

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #2

g00720839

HYDRAULIC SYSTEM

143-3980 COOLER GP-HYDRAULIC OIL

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-1374

i01563915

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1M-6298	2	CLAMP-MOUNTING						
	2	1	1P-5411	2	SLEEVE						
	3	1	1P-5412	4	BUSHING-TERMINAL						
	4	1	3H-8726	1	MOUNT AS						
	5	1	4S-8875	2	SPACER (22.63MM THK)						
	6	1	204-2641	1	CORE AS						
M	7	1	6V-5815	2	BOLT (M10X1.5X75MM)						
	8	1	7X-0590	2	WASHER-HARD (13.5X44.5X6MM THK)						
M	9	1	7X-2549	2	BOLT (M12X1.75X100MM)						
	10	1	8T-4121	6	WASHER-HARD (11X21X2.5MM THK)						
M	11	1	8T-4133	2	NUT (M10X1.5 THD)						
	12	1	148-8347	2	ELBOW GP						
					(EACH INCLUDES)						
		1	6V-9007	1	ELBOW						
		1	3D-2824	1	SEAL-O-RING						
		1	6V-9746	1	SEAL-O-RING						
M	13	1	8T-4910	1	BOLT (M12X1.75X60MM)						
	14	1	5P-1076	3	WASHER-HARD (13.5X30X4MM THK)						
M	15	1	8T-4244	1	NUT (M12X1.75 THD)						
I	16	1	204-0750	1	HOSE AS						
	17	1	4S-4455	2	CLIP						
M	18	1	8T-4137	2	BOLT (M10X1.5X20MM)						

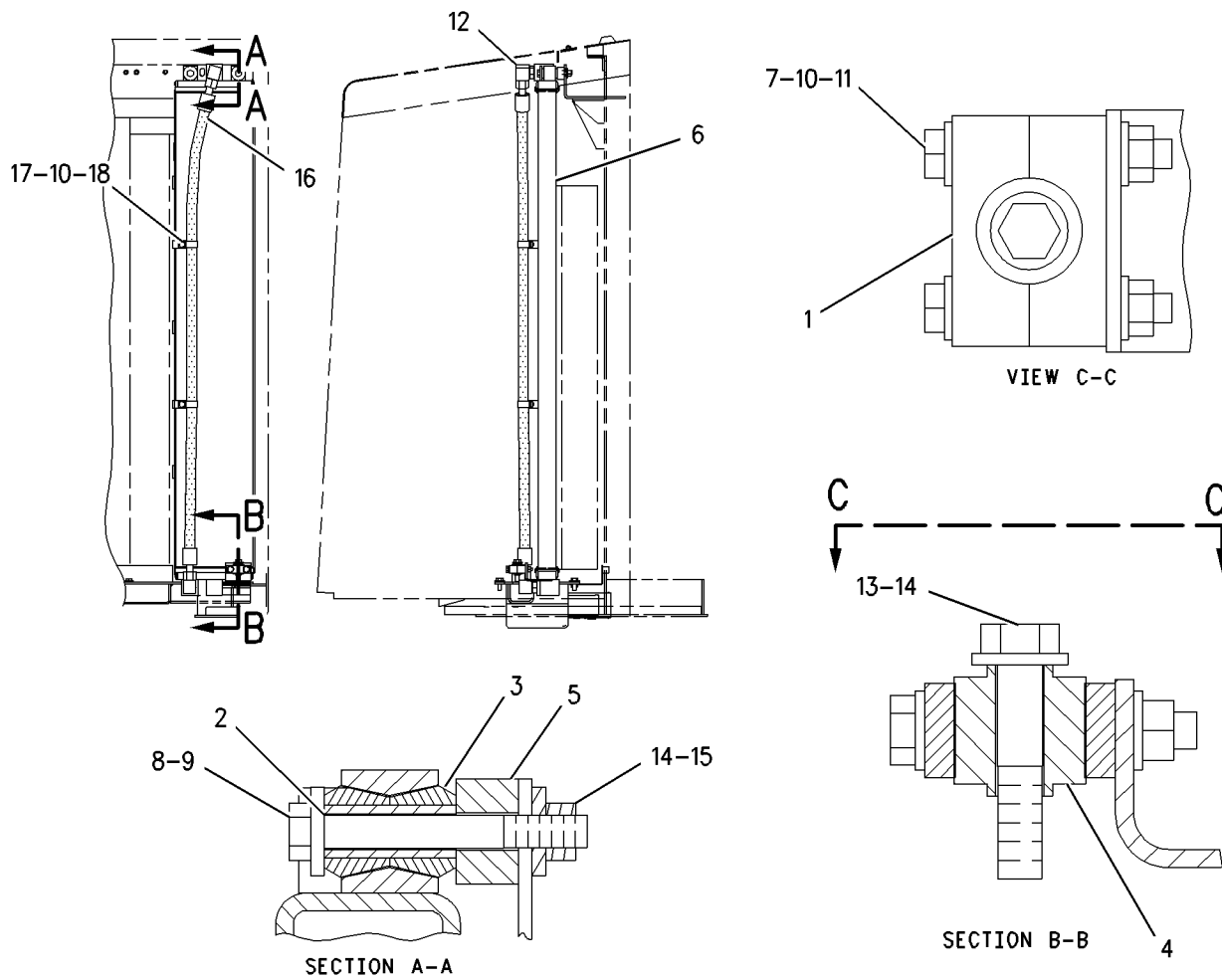
I-SEE HOSE FABRICATION GUIDE

M-METRIC PART

HYDRAULIC SYSTEM

143-3980 COOLER GP-HYDRAULIC OIL (contd.)

i01563915



GRAPHIC #1

g00815528

HYDRAULIC SYSTEM

192-5902 CYLINDER GP - LIFT

S/N: BPC1-UP

139.75 MM BORE X 1021 MM STROKE

PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,

147-1799 BULLDOZER AR-WITHOUT BLADE

AN ATTACHMENT

SMCS-5102

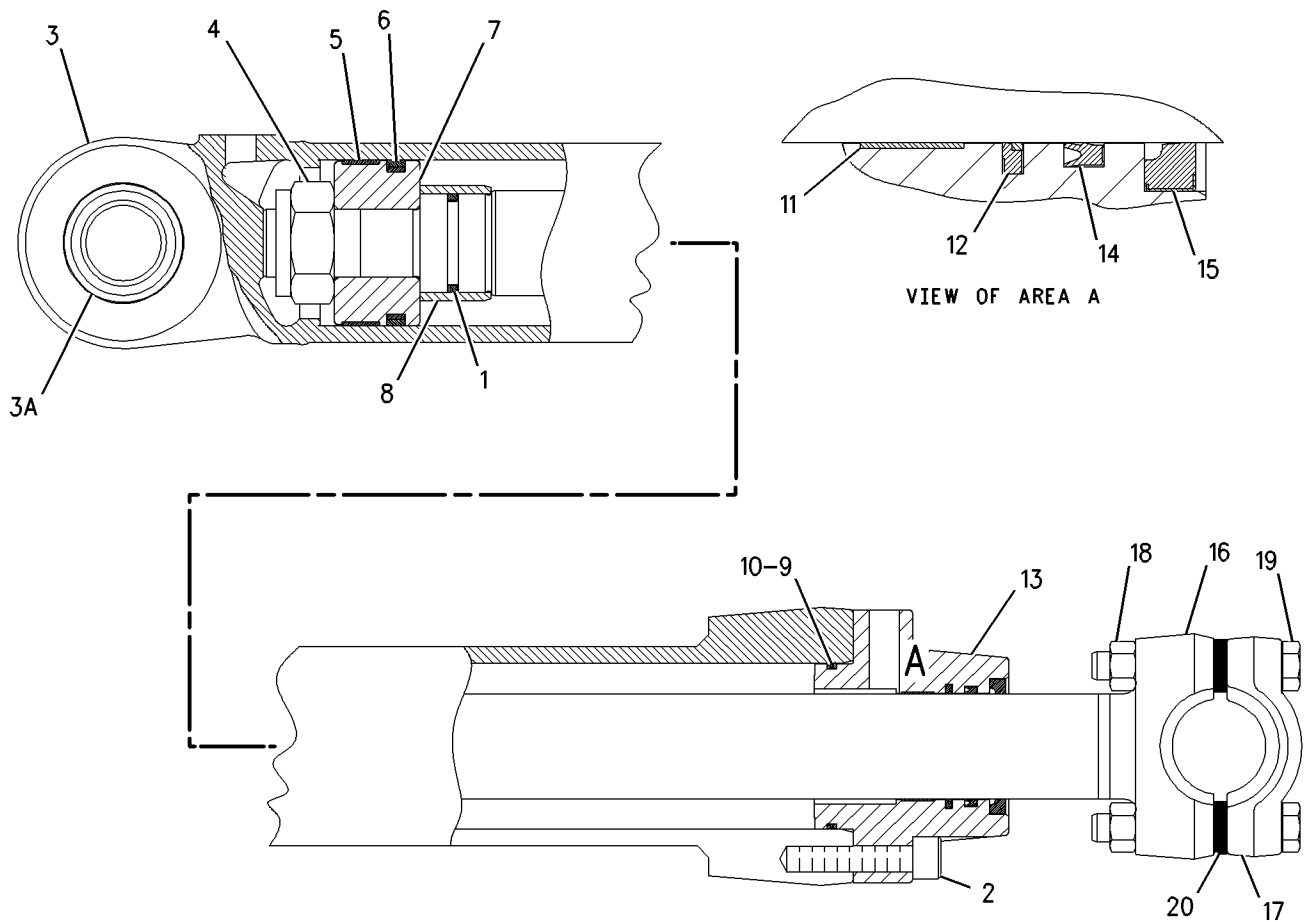
i01472649

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7I-1352	1	RING-SEAL						
M	2	1	7Y-5216	11	BOLT-SOCKET HEAD (M20X2.5X80MM)						
	3	1	192-5903	1	CYLINDER AS						
	3A	1	7J-1309	1	BEARING						
		1	1S-3311	2	RING-RETAINING						
	4	1	5J-3488	1	LOCKNUT						
	5	1	4J-4606	1	RING-WEAR						
	6	1	4T-5173	1	SEAL						
	7	1	6E-1249	1	PISTON						
	8	1	193-9118	1	STOP						
	9	1	8J-1688	1	SEAL-O-RING						
	10	1	8J-1689	1	RING-BACKUP						
M		1	8T-4179	4	BOLT (M12X1.75X20MM)						
	11	1	8C-5245	1	RING-WEAR						
	12	1	167-2211	1	SEAL AS-BUFFER						
	13	1	192-5907	1	HEAD						
	14	1	167-2324	1	SEAL-U-CUP						
	15	1	167-2474	1	SEAL-WIPER						
	16	1	192-5908	1	ROD AS						
	17	1	3G-0910	1	CAP-BEARING						
M	18	1	7X-0851	4	NUT (M24X3.00 THD)						
M	19	1	8T-0672	4	BOLT (M24X3.0X160MM)						
B	20	1	3G-0911	28	SHIM (.8MM THK)						
B-USE AS REQUIRED											
M-METRIC PART											

HYDRAULIC SYSTEM

192-5902 CYLINDER GP-LIFT (contd.)

i01472649



GRAPHIC #1

g00769776

HYDRAULIC SYSTEM

140-7425 CYLINDER GP-TILT & TIP

S/N: BPC1-UP

139.7 MM BORE X 276 MM STROKE

PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,

147-1799 BULLDOZER AR-WITHOUT BLADE

AN ATTACHMENT

SMCS-5104, 5106

i01426433

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	140-7426	1	CYLINDER AS-TILT & TIP	
	1A	1	1U-2182	2	BEARING-SLEEVE	
	2	1	5J-5731	1	LOCKNUT	
	4	1	4J-4606	1	RING-WEAR	
	5	1	4T-5173	1	SEAL	
	6	1	140-7420	1	PISTON	
	7	1	2H-9247	1	SEAL-O-RING (132.94MM ID)	
	8	1	2K-2961	1	RING-BACKUP	
	9	1	140-7424	1	HEAD	
M	10	1	6V-7742	4	NUT-FULL (M20X2.50 THD)	
	11	1	140-7422	1	ROD AS	
	12	1	160-6308	1	CAP-BEARING	
M	13	1	6V-9167	4	BOLT (M20X2.5X140MM)	
M	14	1	8T-0666	2	BOLT (M24X3.0X90MM)	
M	15	1	173-9779	4	BOLT-HEX HEAD (M24X3.0X80MM)	
	16	1	8T-8376	1	SEAL-HEAD	
	17	1	6V-8237	6	WASHER (26X44X4MM THK)	
	18	1	8T-7020	1	RING-WEAR	
	19	1	167-2207	1	SEAL AS-BUFFER	
	20	1	167-2317	1	SEAL-U-CUP	
	21	1	167-2467	1	SEAL-WIPER	
B	22	1	8E-9212	28	SHIM (.8MM THK)	

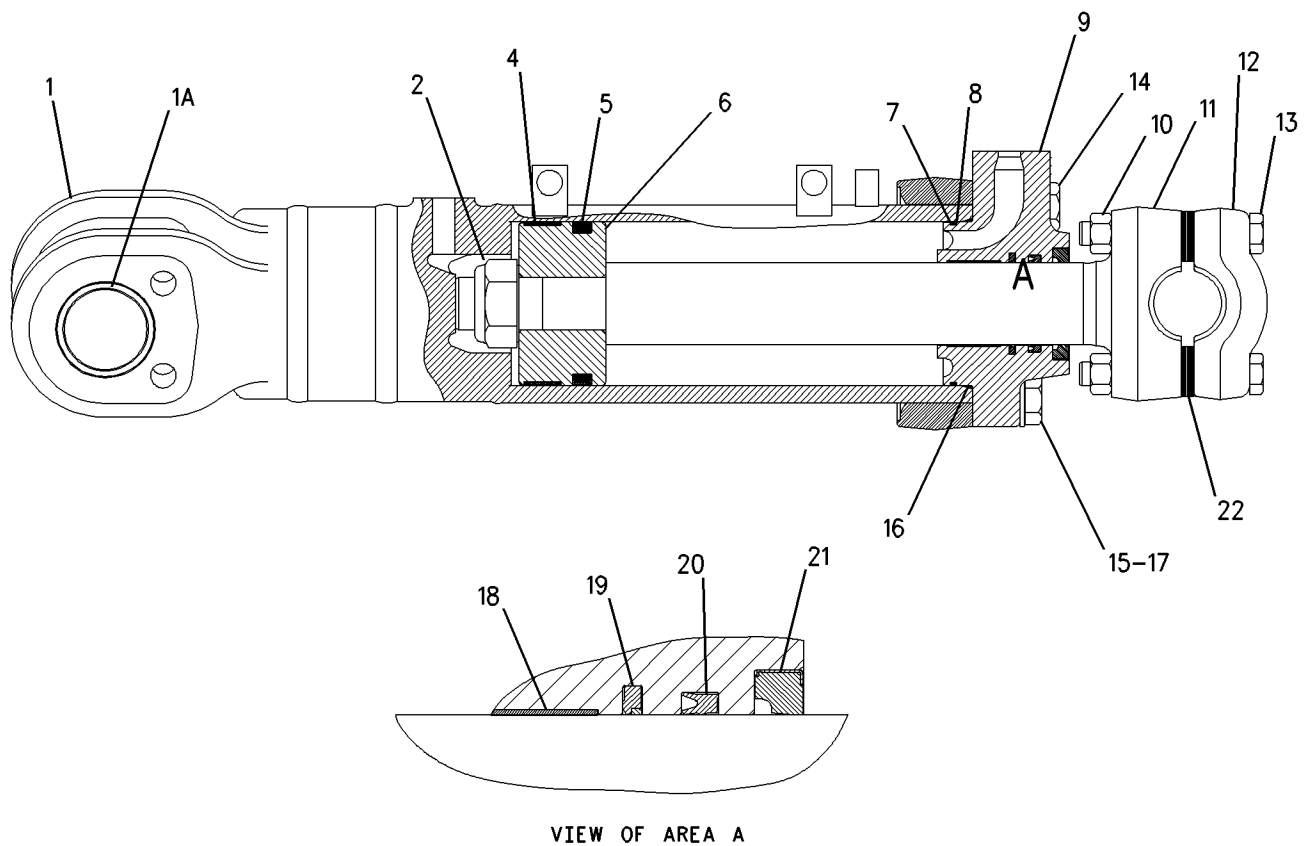
B-USE AS REQUIRED

M-METRIC PART

HYDRAULIC SYSTEM

140-7425 CYLINDER GP-TILT & TIP (contd.)

i01426433



GRAPHIC #1

g00701004

HYDRAULIC SYSTEM

151-5171 CYLINDER GP-TILT & TIP

S/N: BPC1-UP

152.4 MM BORE X 276 MM STROKE

PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,

147-1799 BULLDOZER AR-WITHOUT BLADE

AN ATTACHMENT

SMCS-5104, 5106

i01426434

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	151-5175	1	CYLINDER AS-TILT & TIP	
	1A	1	1U-2182	2	BEARING-SLEEVE	
	2	1	5J-5731	1	LOCKNUT	
	4	1	1J-0708	1	RING-WEAR	
	5	1	8C-9173	1	SEAL AS	
	6	1	151-5174	1	PISTON	
	7	1	6J-5541	1	SEAL-O-RING	
	8	1	2K-3258	1	RING-BACKUP	
	9	1	151-5172	1	HEAD	
M	10	1	6V-7742	4	NUT-FULL (M20X2.50 THD)	
	11	1	140-7422	1	ROD AS	
B	12	1	8E-9212	28	SHIM (.8MM THK)	
	13	1	160-6308	1	CAP-BEARING	
M	14	1	6V-9167	4	BOLT (M20X2.5X140MM)	
M	15	1	8T-0667	2	BOLT (M24X3X100MM)	
M	16	1	173-9779	6	BOLT-HEX HEAD (M24X3.0X80MM)	
	17	1	8T-8377	1	SEAL-HEAD	
	18	1	6V-8237	8	WASHER (26X44X4MM THK)	
	19	1	8T-6743	1	RING-WEAR	
	20	1	167-2207	1	SEAL AS-BUFFER	
	21	1	167-2317	1	SEAL-U-CUP	
	22	1	167-2467	1	SEAL-WIPER	

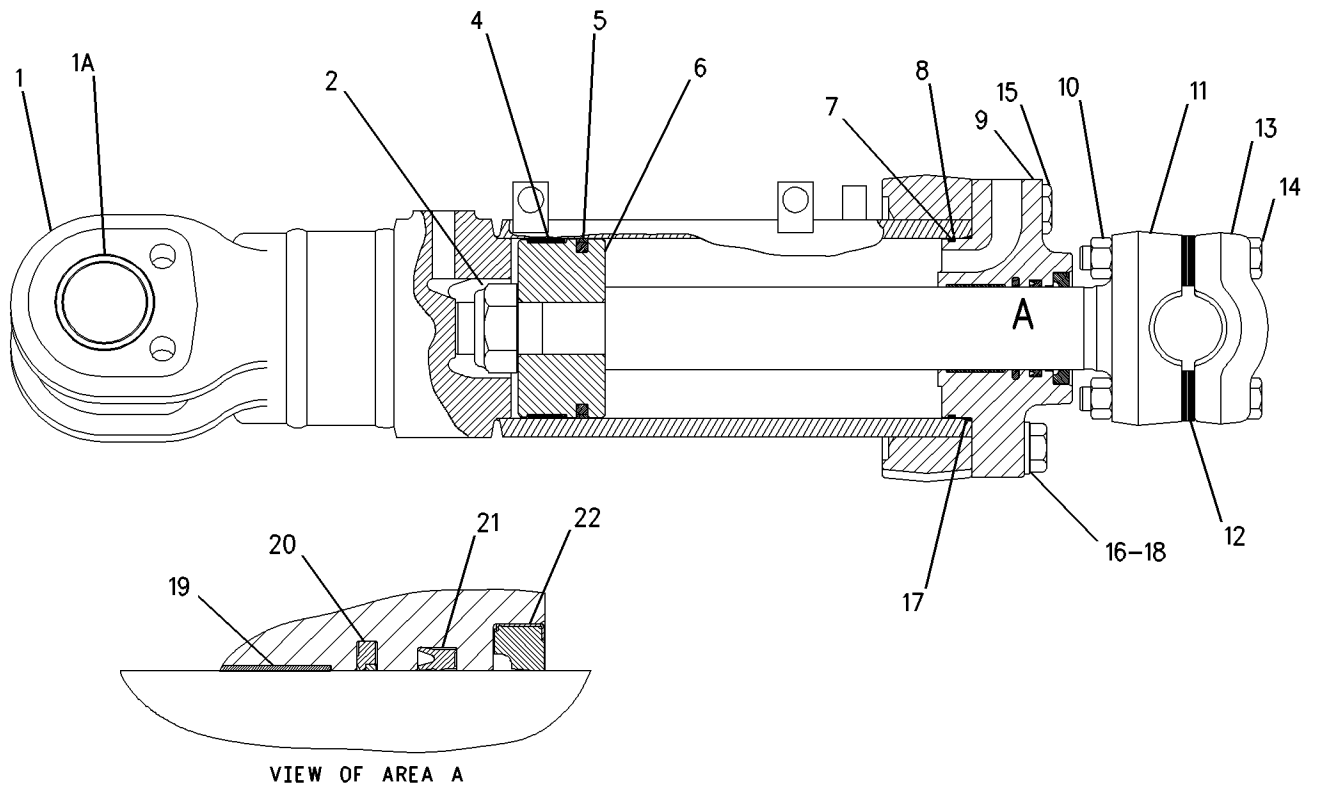
B-USE AS REQUIRED

M-METRIC PART

HYDRAULIC SYSTEM

151-5171 CYLINDER GP-TILT & TIP (contd.)

i01426434



GRAPHIC #1

g00701040

HYDRAULIC SYSTEM

180-5467 FILTER & LINES GP-HYDRAULIC

S/N: BPC1-UP

CASE DRAIN

PART OF 180-5466 FILTER & MTG GP-HYDRAULIC

SMCS-5057, 5068

101501292

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	166-4647	1	FILTER GP-OIL (PRIMARY STEERING CASE DRAIN)	529
	2	1	179-1551	1	BRACKET AS	
I	3	1	179-2210	1	HOSE AS	
I		1	180-5720	1	HOSE AS	
	5	1	148-8360	4	ELBOW GP	
					(EACH INCLUDES)	
		1	6V-9182	1	ELBOW	
		1	6V-9746	1	SEAL-O-RING	
		1	7M-8485	1	SEAL-O-RING	
	6	1	150-4033	1	FITTING GP	
		1	6V-9746	3	SEAL-O-RING	
		1	6V-9846	1	TEE-SWIVEL	
	7	1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)	
M	8	1	8T-4136	8	BOLT (M10X1.5X25MM)	
Y	9	1	166-4647	1	FILTER GP-OIL	529
					(HYDRAULIC FAN PUMP & MOTOR CASE DRAIN)	

I-SEE HOSE FABRICATION GUIDE

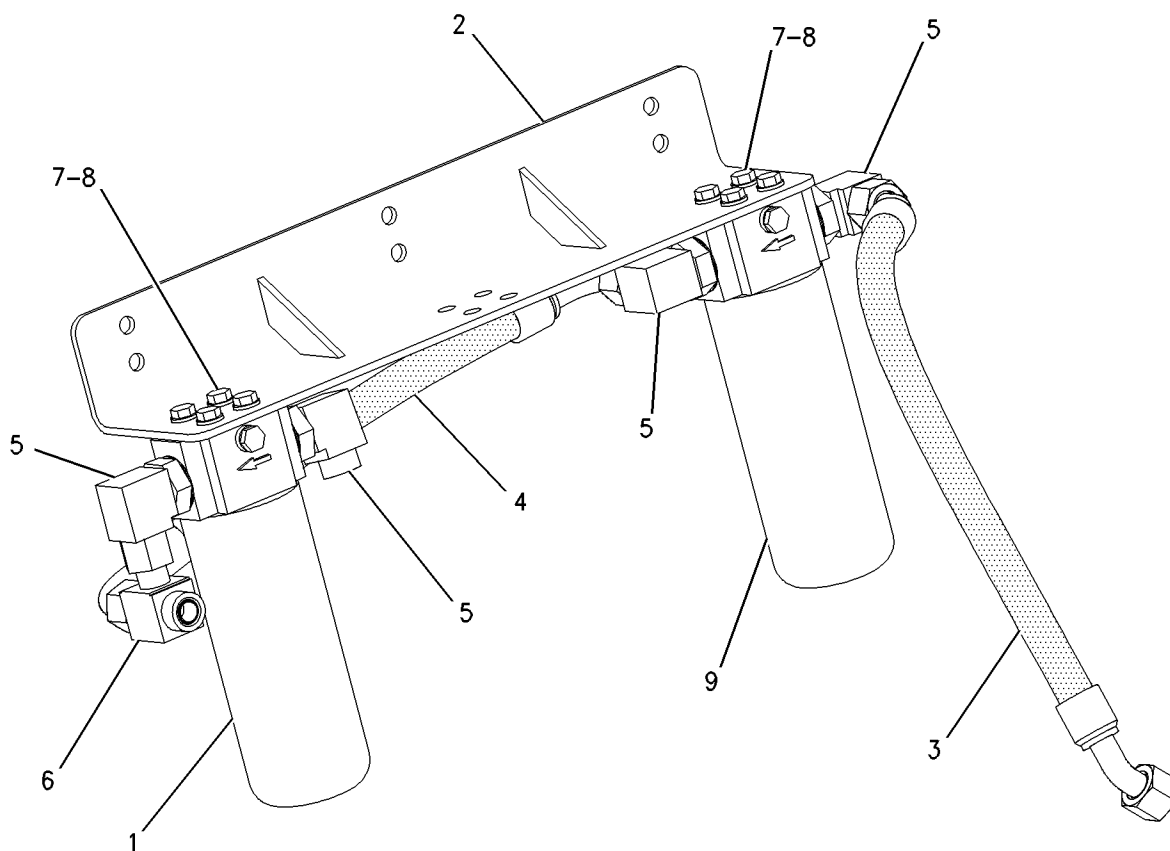
M-METRIC PART

Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

180-5467 FILTER & LINES GP-HYDRAULIC (contd.)

i01501292



GRAPHIC #1

g00663760

HYDRAULIC SYSTEM

180-5466 FILTER & MTG GP-HYDRAULIC

S/N: BPC1-UP

CASE DRAIN

PART OF 203-1583 HYDRAULIC AR

SMCS-5068

i01627193

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	180-5467	1	FILTER & LINES GP-HYDRAULIC (CASE DRAIN)	524
I	2	1	180-5721	1	HOSE AS	
I	3	1	180-5722	1	HOSE AS	
	4	1	180-6022	1	BRACKET	
I	5	1	180-8571	1	HOSE AS	
	6	1	6V-8982	1	ELBOW	
	7	1	6V-9170	1	NUT-BULKHEAD (1-14 THD)	
	8	1	6V-9832	1	CAP AS	
		1	6V-8556	1	NUT (1 3/16-12 THD)	
	9	1	7C-4354	1	CLIP	
	10	1	7J-9108	2	SEAL-O-RING	
	11	1	7X-7729	6	WASHER (11X25X3MM THK)	
	12	1	8T-4121	1	WASHER-HARD (11X21X2.5MM THK)	
M	13	1	8T-4137	1	BOLT (M10X1.5X20MM)	
M	14	1	8T-4196	6	BOLT (M10X1.5X35MM)	

I - SEE HOSE FABRICATION GUIDE

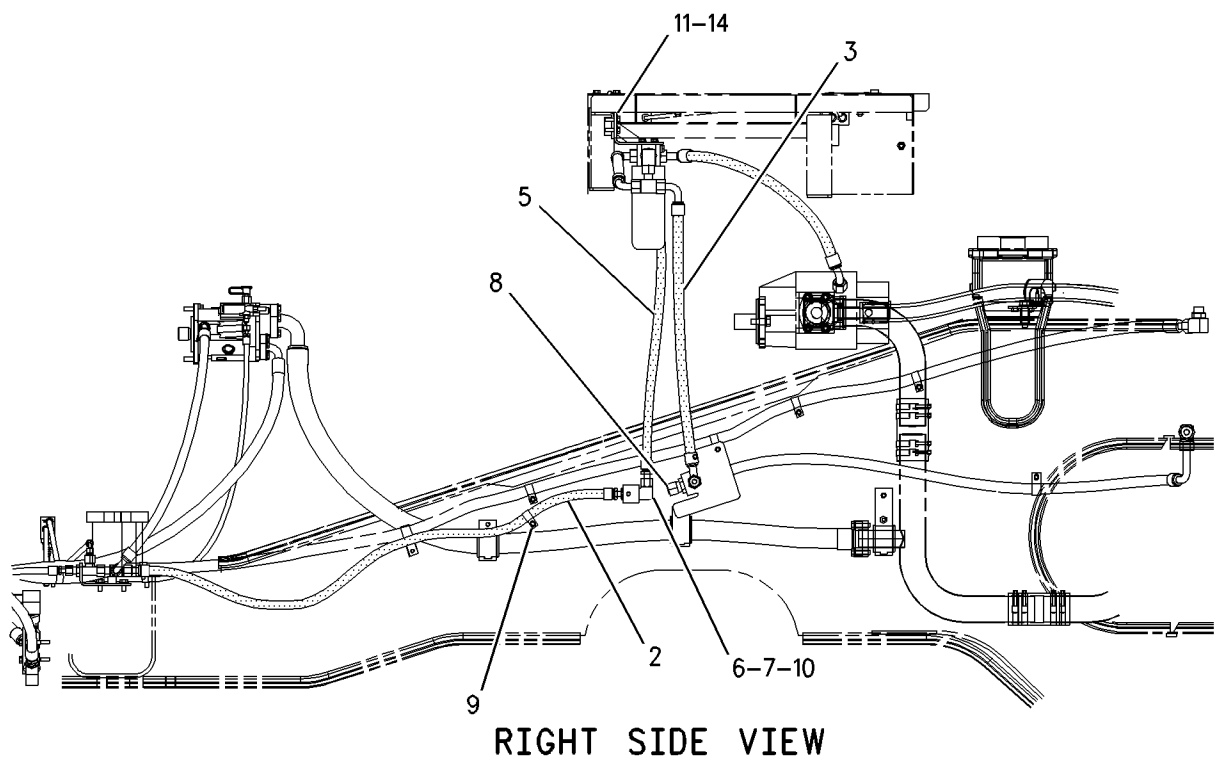
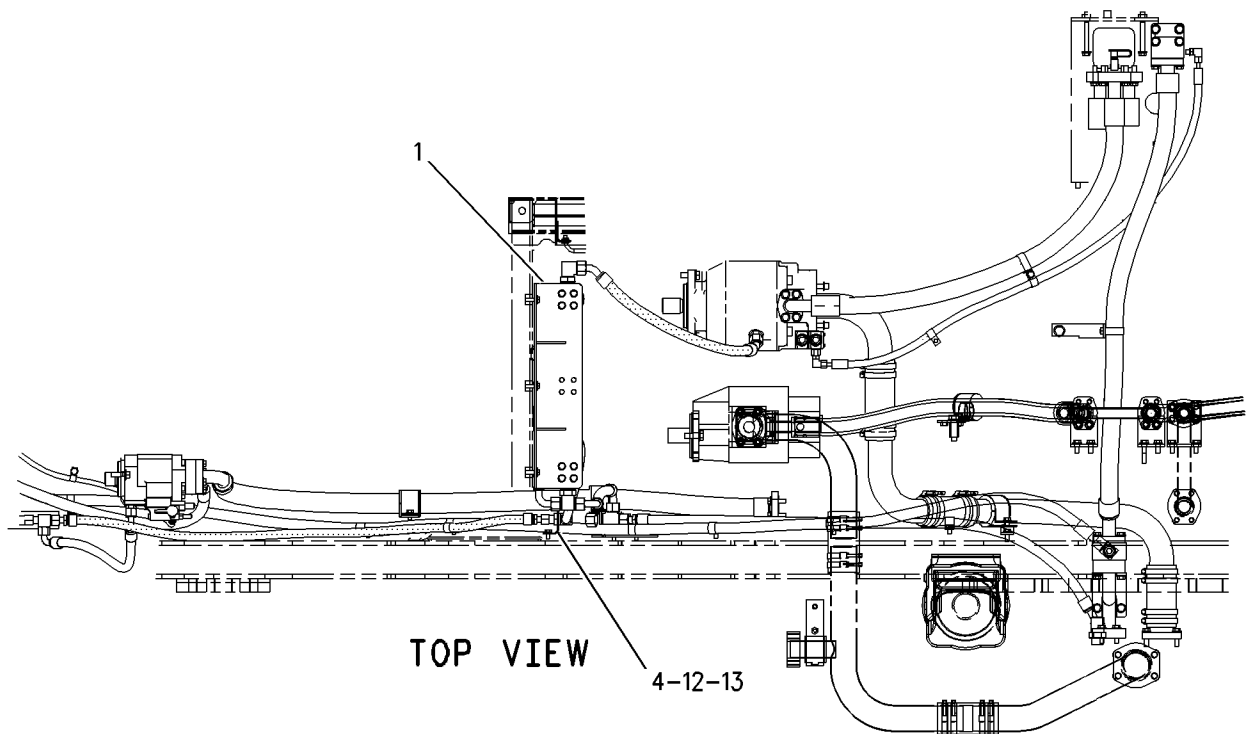
M - METRIC PART

Y - SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

180-5466 FILTER & MTG GP-HYDRAULIC (contd.)

i01627193



GRAPHIC #1

g00842991

HYDRAULIC SYSTEM

115-2129 FILTER GP-OIL-STEERING & IMPLEMENT PILOT

S/N: BPC1-UP

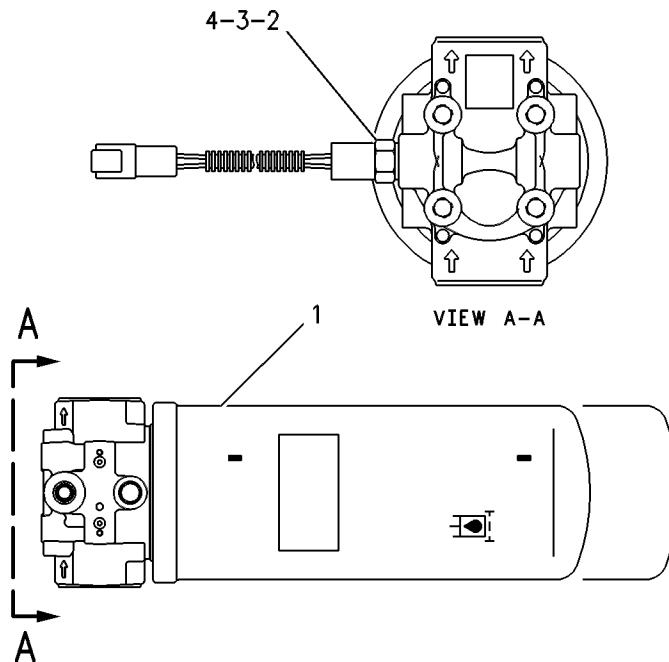
PART OF 142-6188 CONTROL GP-SERVICE BRAKE

SMCS-5068, 5092

i01560135

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	126-1817	1	FILTER AS-OIL						
	2	1	117-7773	1	SWITCH AS-PRESSURE (FILTER BYPASS)						
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
		1	8T-8729	2	PIN-CONNECTOR						
E		1	9X-1813		SLEEVE (14CM)						
	3	1	3J-1907	1	SEAL-O-RING						
	4	1	5F-9144	1	SEAL-O-RING						

E-ORDER BY THE CENTIMETER



GRAPHIC #1

g00255748

HYDRAULIC SYSTEM

166-4647 FILTER GP-OIL-CASE DRAIN

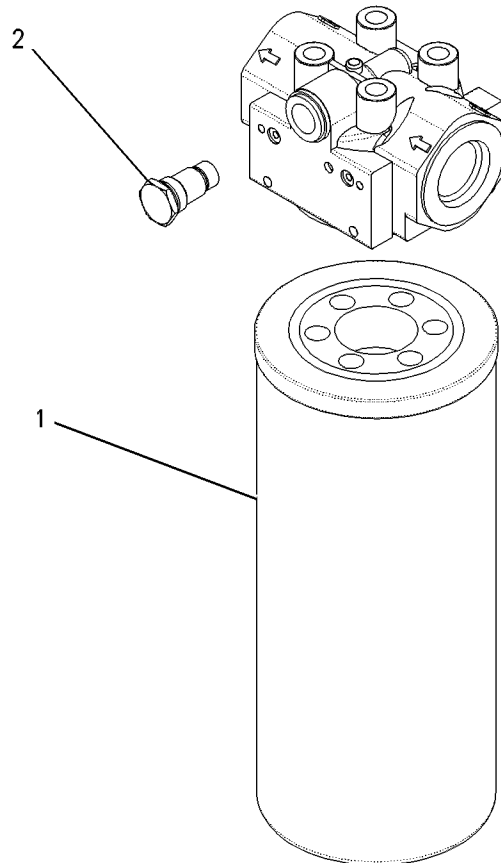
S/N: BPC1-UP

PART OF 180-5467 FILTER & LINES GP-HYDRAULIC

SMCS-5068, 5092

i01140418

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1G-8878	1	FILTER						
	2	1	164-6709	1	PLUG AS-HYDRAULIC						



GRAPHIC #1

g00545272

HYDRAULIC SYSTEM

203-1583 HYDRAULIC AR

S/N: BPC1-UP

PART OF 203-1565 COMMON AR

SMCS-5051

i01622256

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	142-6188	1	CONTROL GP-SERVICE BRAKE						444
Y	176-2466	1	CYLINDER & MTG GP-STEERING						463
Y	180-5466	1	FILTER & MTG GP-HYDRAULIC						526
Y	142-6192	1	LINES GP-HYDRAULIC						532
Y	142-6193	1	LINES GP-HYDRAULIC FAN						536
Y	163-6213	1	LINES GP-PILOT						544
Y	201-2458	1	LINES GP-POWER TRAIN OIL						288
Y	142-6198	1	LINES GP-STEERING						470
Y	142-6199	1	LINES GP-TILT & TIP CYLINDER						546
Y	142-6200	1	TANK & MTG GP-HYDRAULIC						558
Y	163-1045	1	VALVE & MTG GP-MAIN CONTROL (3 FUNCTION)						562
Y-SEPARATE ILLUSTRATION									

MEMORANDA

HYDRAULIC SYSTEM

142-6192 LINES GP-HYDRAULIC

S/N: BPC1-UP

PART OF 203-1583 HYDRAULIC AR

SMCS-5057

i01627931

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	2T-2753	1	SPACER	
E	2	2	7X-7893	2	HOSE (18CM)	
	3	1	150-3065	1	ADAPTER AS	
	4	1	6V-0852	1	CAP-DUST	
	5	1	164-5567	1	FITTING GP	
	6	2	7V-6428	2	KEEPER	
	7	2	153-6812	1	TUBE AS	
	8	2	8T-4985	8	CLAMP-HOSE	
CE	9	1	206-2736		GUARD-HOSE (122CM)	
	10	2	194-3124	1	BRACKET	
Y	11	1	190-8756	1	PUMP GP-GEAR (IMPLEMENT, PILOT & BRAKE)	552
C	12	2	207-1502	1	SUPPORT AS	
	14	2	153-6813	1	TUBE AS	
	15	2	154-6524	4	CHAIN	
	16	1	161-6607	1	TUBE AS	
	17	2	161-6608	1	TUBE AS	
I	18	1	161-6609	1	HOSE AS	
I	19	1	161-6610	1	HOSE AS	
I	20	1	161-6611	1	HOSE AS	
	21	1	161-6903	1	PLATE	
	22	1	161-6905	2	PLATE	
	23	2	161-6907	1	PLATE AS	
	24	1	161-8412	1	MANIFOLD	
	25	2	161-8413	1	BRACKET AS	
M		2	8T-3490	1	NUT-WELD (M10X1.5 THD)	
	26	2	167-1202	1	TUBE AS	
	27	1	1P-3704	4	SEAL-RECTANGULAR	
	28	1	1P-3705	1	SEAL-RECTANGULAR	
	29	2	1P-3706	1	SEAL	
	30	1	1P-4579	2	FLANGE-HALF	
	31	1	1P-5767	6	FLANGE-HALF	
	32	2	2H-6338	1	SEAL-O-RING	
	35	1	4J-0524	2	SEAL-O-RING	
	36	1	9X-7371	1	SEAL-O-RING	
	37	1,2	6V-1572	4	CLIP (SLOT)	
	38	1,2	6V-1573	4	CLIP (TAB)	
	39	2	6V-1575	2	CLIP (SLOT)	
	40	2	6V-1576	2	CLIP (TAB)	
	41	1,2	6V-1875	4	GROMMET	
	42	2	6V-1877	2	GROMMET	
M	44	1	7X-2549	4	BOLT (M12X1.75X100MM)	
M	45	2	7X-2553	4	BOLT (M16X2X40MM)	
	46	2	7X-7729	4	WASHER (11X25X3MM THK)	
M	47	2	8T-0441	2	BOLT (M10X1.5X45MM)	
	48	2	8T-0568	1	SEAL-O-RING	
	49	1,2	8T-4121	14	WASHER-HARD (11X21X2.5MM THK)	
	50	2	8T-4122	1	WASHER-HARD (17X32X3.5MM THK)	
M	51	2	8T-4133	2	NUT (M10X1.5 THD)	
M	52	1,2	8T-4136	4	BOLT (M10X1.5X25MM)	
M	53	2	8T-4910	1	BOLT (M12X1.75X60MM)	
M	54	1	8T-4139	5	BOLT (M12X1.75X30MM)	
M	55	1	8T-4183	4	BOLT (M12X1.75X40MM)	
M	56	2	8T-4184	4	BOLT (M12X1.75X45MM)	
M	57	2	8T-4186	8	BOLT (M10X1.5X40MM)	
M	58	1,2	8T-4192	10	BOLT (M12X1.75X25MM)	
M	59	1	8T-4194	12	BOLT (M12X1.75X50MM)	

HYDRAULIC SYSTEM

142-6192 LINES GP-HYDRAULIC (contd.)

i01627931

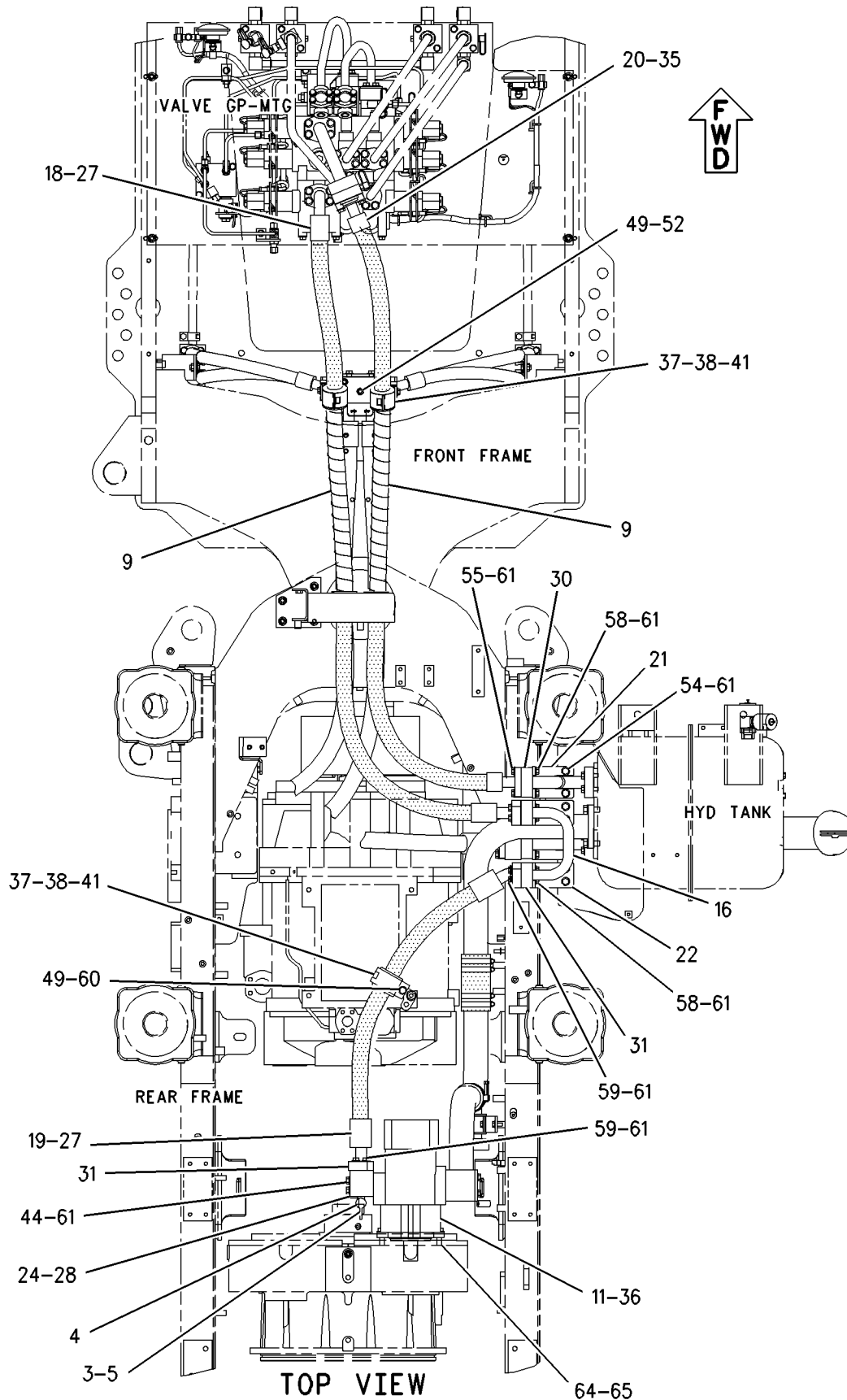
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	60	1,2	8T-4195	2	BOLT (M10X1.5X30MM)	
	61	1,2	8T-4223	44	WASHER-HARD (13.5X25.5X3MM THK)	
M	62	2	8T-5001	4	BOLT (M12X1.75X130MM)	
	63	2	8T-6871	1	BOLT (5/8-11X2.50 IN)	
M	64	1	8T-7338	2	BOLT (M16X2.0X45MM)	
	65	1,2	9X-8257	6	WASHER (17.5X30X3.5MM THK)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

142-6192 LINES GP-HYDRAULIC (contd.)

i01627931



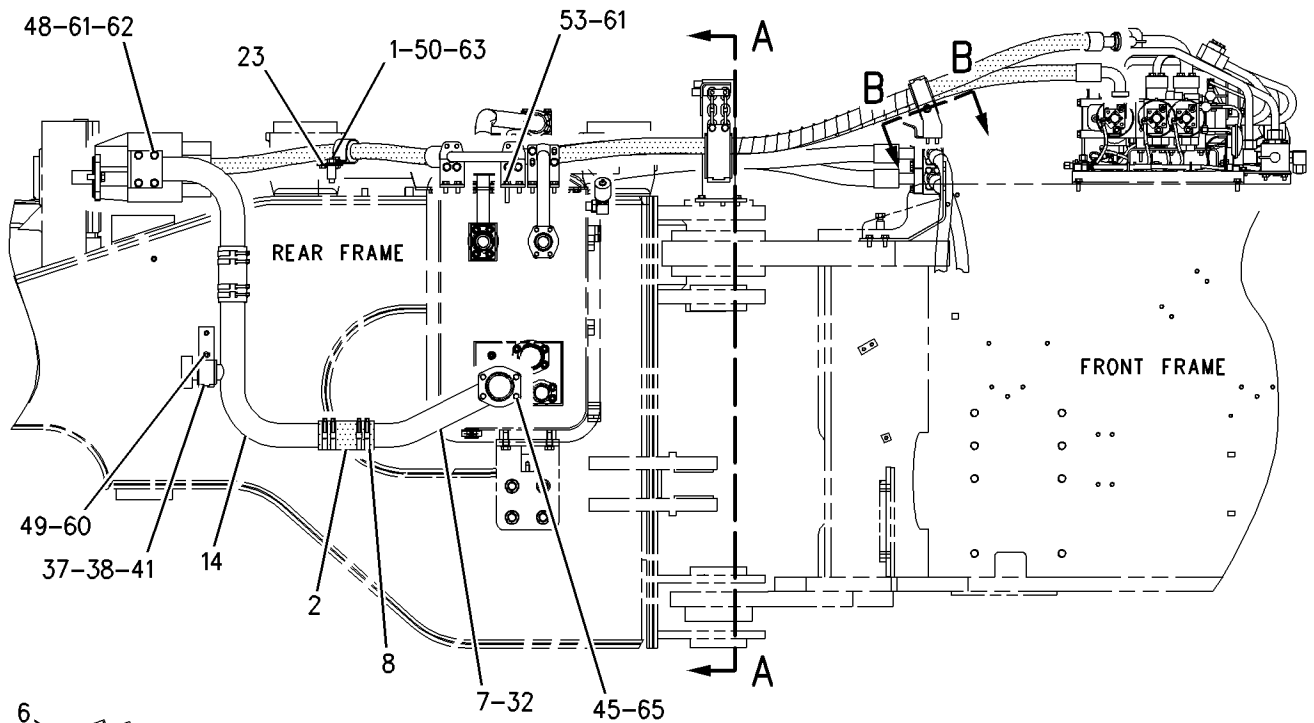
GRAPHIC #1

g00840388

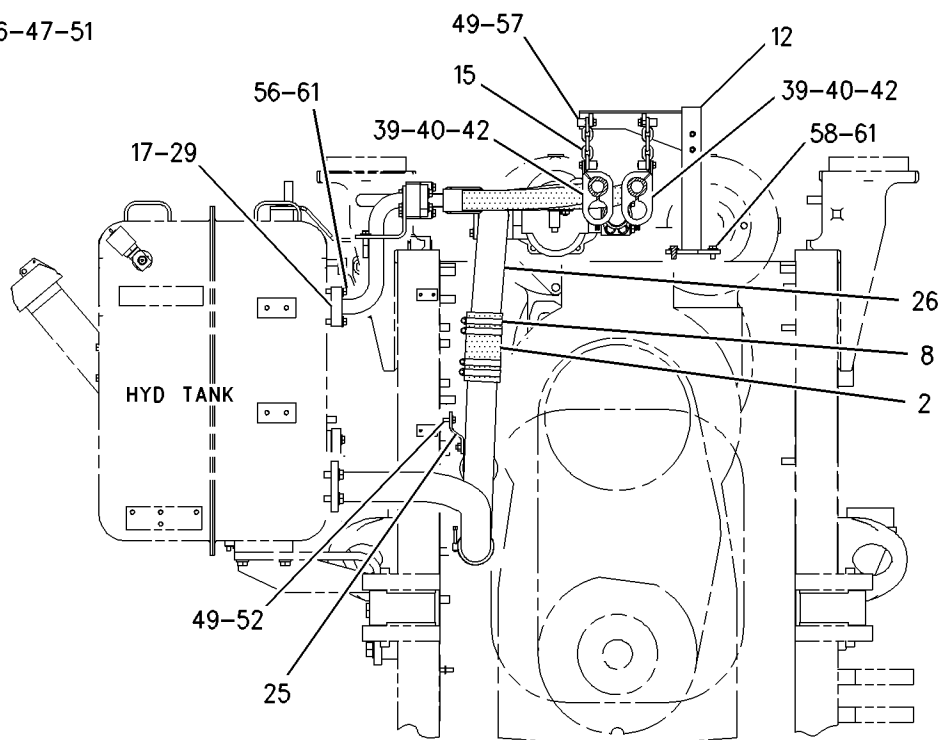
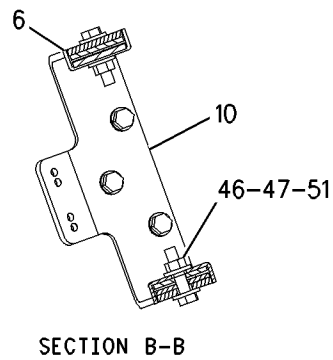
HYDRAULIC SYSTEM

142-6192 LINES GP-HYDRAULIC (contd.)

i01627931



RIGHT SIDE VIEW



SECTION A-A

GRAPHIC #2

g00840324

HYDRAULIC SYSTEM

142-6193 LINES GP-HYDRAULIC FAN

S/N: BPC1-UP

PART OF 203-1583 HYDRAULIC AR

SMCS-1386, 1387, 5057

i01628761

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	3	6V-0852	1	CAP-DUST	
	2	3	8R-0647	2	SPACER	
	3	2	8R-0752	1	ADAPTER	
	4	3	9T-5134	1	VALVE-CHECK (HYDRAULIC OIL COOLER BYPASS)	
Y	5	1	139-6825	1	MOTOR GP-GEAR (HYDRAULIC FAN)	551
	6	3	152-7202	1	VALVE GP-THERMOSTATIC (HYDRAULIC FAN)	
		3	3D-2824	1	SEAL-O-RING	
YR	7	2	152-7767	1	PUMP GP-PISTON (HYDRAULIC FAN)	554
	8	3	154-8963	1	BRACKET AS	
I	9	1	155-0759	1	HOSE AS	
	10	3	150-4047	1	ADAPTER GP	
		3	8T-2353	1	ADAPTER-STRAIGHT THREAD	
		3	3J-7354	1	SEAL-O-RING	
I	11	3	155-1620	1	HOSE AS	
I	12	2	155-1622	1	HOSE AS	
I	13	3	155-1624	1	HOSE AS	
I	14	2	155-2337	1	HOSE AS	
I	15	2	155-2340	1	HOSE AS	
	16	3	155-4791	2	BRACKET AS	
					(EACH INCLUDES)	
M		3	8T-3490	1	NUT-WELD (M10X1.5 THD)	
	17	3	164-5567	1	FITTING GP	
		3	6V-3965	1	FITTING AS	
		3	3J-1907	1	SEAL-O-RING	
I	18	2	165-2452	1	HOSE AS	
I	19	1	165-4431	1	HOSE AS	
I	20	2	165-4432	1	HOSE AS	
	21	3	165-7292	1	PLATE	
	22	3	166-0676	1	BRACKET AS	
I	23	3	173-7546	1	HOSE AS	
I	24	2	173-7557	1	HOSE AS	
	25	2	148-8315	1	CONNECTOR GP	
		2	6V-8642	1	CONNECTOR	
		2	2M-9780	1	SEAL-O-RING	
		2	7J-9108	1	SEAL-O-RING	
	26	3	148-8316	3	CONNECTOR GP	
					(EACH INCLUDES)	
		3	6V-8647	1	CONNECTOR	
		3	3J-7354	1	SEAL-O-RING	
		3	4J-5477	1	SEAL-O-RING	
	27	2	148-8327	1	CONNECTOR GP	
		2	6V-8637	1	CONNECTOR-SEAL	
		2	3D-2824	1	SEAL-O-RING	
		2	6V-9746	1	SEAL-O-RING	
	28	2	148-8336	1	CONNECTOR GP	
		2	6V-8636	1	CONNECTOR	
		2	3J-1907	1	SEAL-O-RING	
		2	6V-8397	1	SEAL-O-RING	
	29	1	148-8347	1	ELBOW GP	
		1	6V-9007	1	ELBOW	
		1	3D-2824	1	SEAL-O-RING	
		1	6V-9746	1	SEAL-O-RING	
	30	3	148-8352	1	ELBOW GP	
		3	6V-9854	1	ELBOW-SWIVEL	
		3	5K-9090	1	SEAL-O-RING	

HYDRAULIC SYSTEM

142-6193 LINES GP -HYDRAULIC FAN (contd.)

i01628761

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	31	2, 3	148-8360	2	ELBOW GP	
					(EACH INCLUDES)	
		2, 3	6V-9182	1	ELBOW	
		2, 3	6V-9746	1	SEAL-O-RING	
		2, 3	7M-8485	1	SEAL-O-RING	
	32	3	148-8446	1	TEE AS-SWIVEL	
		3	6V-9838	1	TEE-SWIVEL	
		3	7J-9108	2	SEAL-O-RING	
	33	2	1P-4579	2	FLANGE-HALF	
	34	2	1P-4582	2	FLANGE-HALF	
	35	3	1S-6420	2	CLIP	
	36	3	2P-1293	1	LOCKNUT-BULKHEAD (1 3/16-12 THD)	
	37	3	3D-2824	1	SEAL-O-RING	
	38	2	155-3624	1	PLUG GP	
		2	9S-4182	1	PLUG-O-RING	
		2	3J-7354	1	SEAL-O-RING	
	39	3	4D-7735	1	CLIP	
	40	2	4J-0520	3	SEAL-O-RING	
	41	2	4J-0524	2	SEAL-O-RING	
	42	2	4J-0527	1	SEAL-O-RING	
	43	3	4J-5477	1	SEAL-O-RING	
	44	2, 3	4K-8864	3	CLIP	
	45	1	164-5574	1	TEE GP	
		1	6V-8784	1	TEE-FACE SEAL	
		1	3D-2824	1	SEAL-O-RING	
		1	6V-9746	2	SEAL-O-RING	
	46	3	8T-8919	2	BOLT (1/2-13X1.75 IN)	
	47	1, 3	5P-7854	4	CLIP	
	48	1	6V-1572	2	CLIP (SLOT)	
	49	1	6V-1573	2	CLIP (TAB)	
	50	1	6V-1574	2	GROMMET	
	51	1, 3	6V-1889	5	CLIP	
	52	3	164-6858	1	TEE GP	
		3	6V-8778	1	TEE-FACE SEAL	
		3	5K-9090	2	SEAL-O-RING	
		3	7M-8485	1	SEAL-O-RING	
	53	3	6V-8555	1	NUT-FACE SEAL (1-14THD)	
	54	3	164-6862	1	TEE AS	
		3	6V-9160	1	TEE-FACE SEAL	
		3	6V-9746	3	SEAL-O-RING	
	55	3	169-7391	1	TEE AS	
		3	6V-9352	1	TEE-BULKHEAD	
		3	6V-8398	1	SEAL-O-RING	
		3	7J-9108	2	SEAL-O-RING	
	56	3	6V-8937	1	REDUCER-O-RING	
	57	3	3P-2404	1	CLIP	
	58	3	6V-9169	1	NUT-BULKHEAD (13/16-16 THD)	
	61	2	148-8407	1	PLUG GP	
		2	9S-4191	1	PLUG-STRAIGHT THREAD	
		2	3J-1907	1	SEAL-O-RING	
	64	2, 3	8C-3206	6	FLANGE-HALF	
	65	1, 3	8D-9947	4	CLIP	
	66	1, 2, 3	8T-4121	27	WASHER-HARD (11X21X2.5MM THK)	
M	67	1, 2, 3	8T-4137	10	BOLT (M10X1.5X20MM)	
M	68	2, 3	8T-4139	4	BOLT (M12X1.75X30MM)	
M	69	3	8T-4172	2	BOLT (M10X1.50X80MM)	
M	70	1, 3	8T-4179	4	BOLT (M12X1.75X20MM)	
M	71	2	8T-4184	4	BOLT (M12X1.75X45MM)	
M	72	3	8T-4192	3	BOLT (M12X1.75X25MM)	

HYDRAULIC SYSTEM

142-6193 LINES GP-HYDRAULIC FAN (contd.)

i01628761

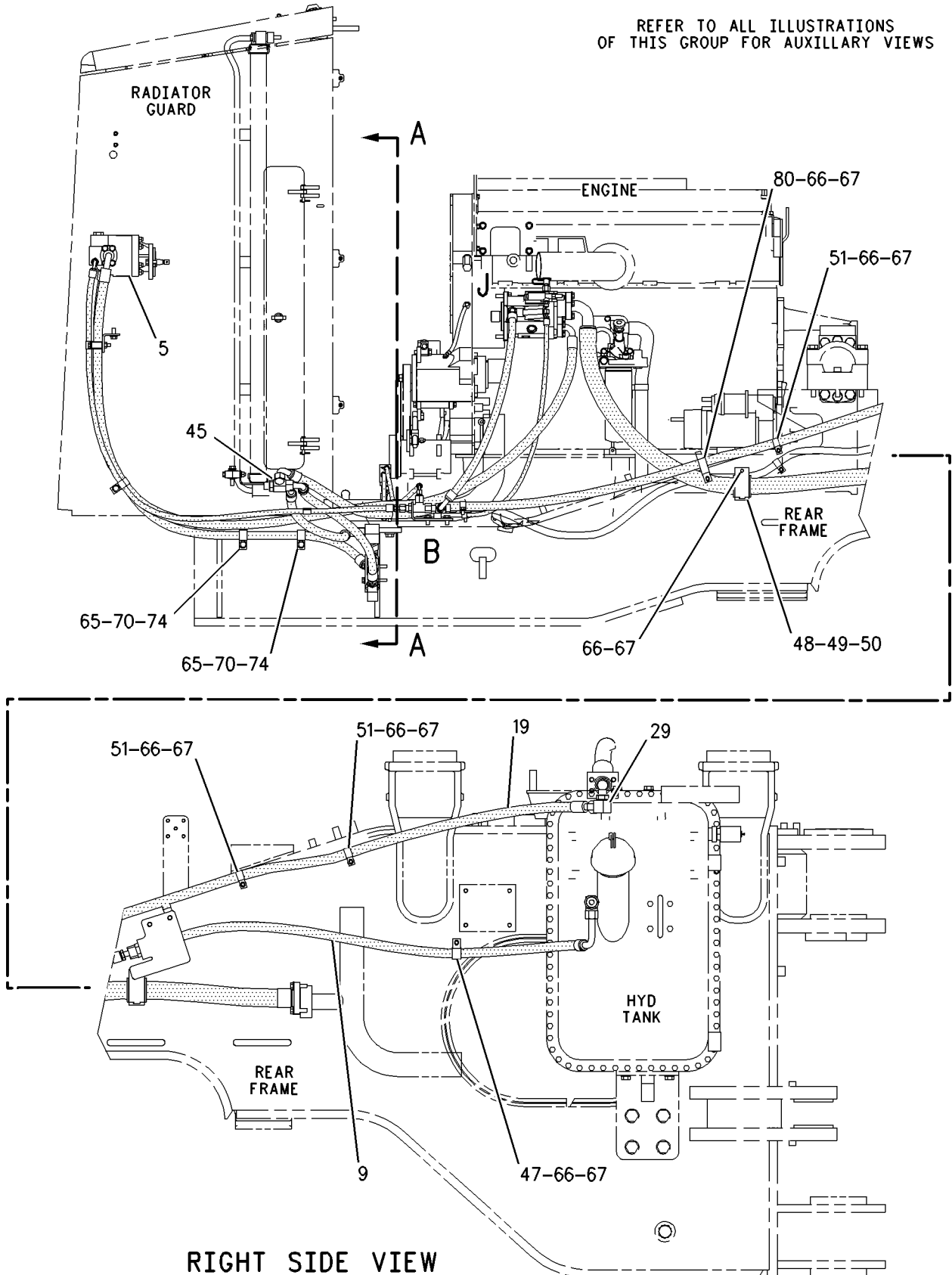
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	73	2,3	8T-4196	13	BOLT (M10X1.5X35MM)	
	74	1,2,3	8T-4223	20	WASHER-HARD (13.5X25.5X3MM THK)	
M	75	2	8T-4648	4	BOLT (M12X1.75X70MM)	
M	76	3	8T-4910	1	BOLT (M12X1.75X60MM)	
M	77	3	8T-6466	1	BOLT (M10X1.50X60MM)	
	78	2	9H-8872	1	GASKET	
	80	1	130-9984	1	CLIP	
M	81	3	8T-4136	1	BOLT (M10X1.5X25MM)	
	82	3	5P-1076	2	WASHER-HARD (13.5X30X4MM THK)	

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

142-6193 LINES GP-HYDRAULIC FAN (contd.)

i01628761



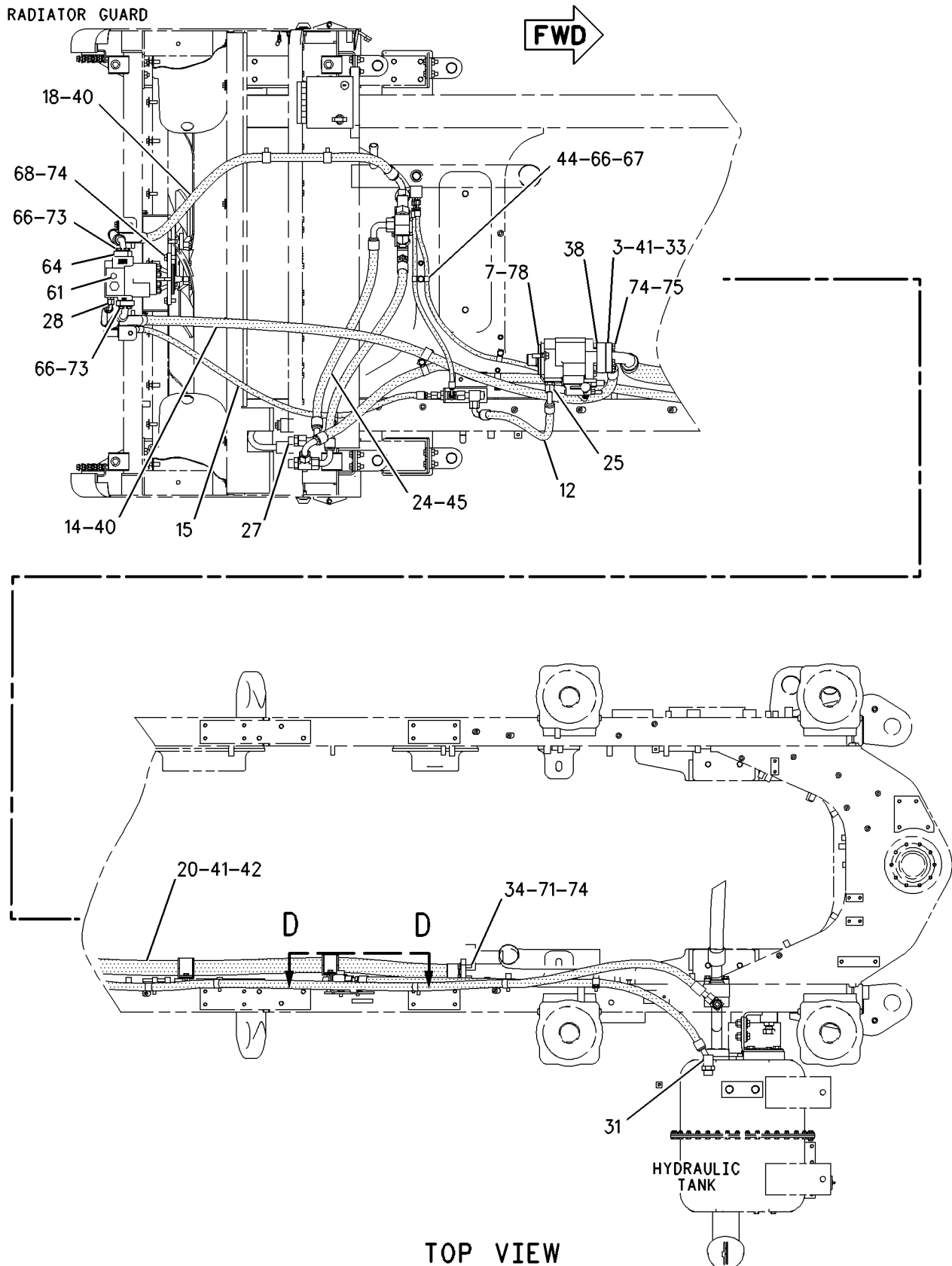
GRAPHIC #1

g00812273

HYDRAULIC SYSTEM

142-6193 LINES GP-HYDRAULIC FAN (contd.)

i01628761



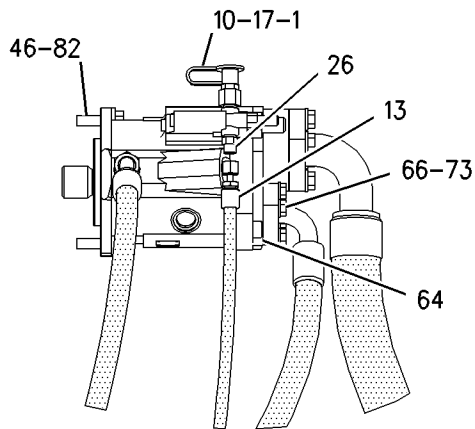
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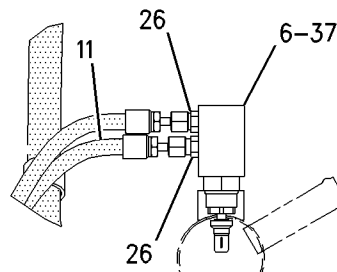
HYDRAULIC SYSTEM

142-6193 LINES GP-HYDRAULIC FAN (contd.)

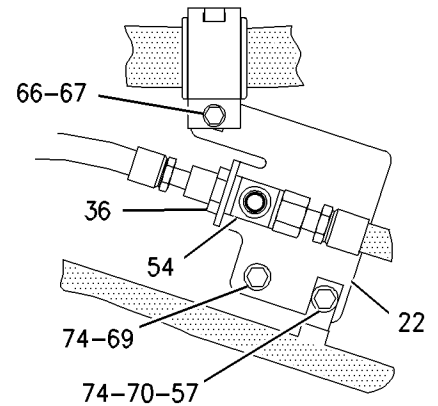
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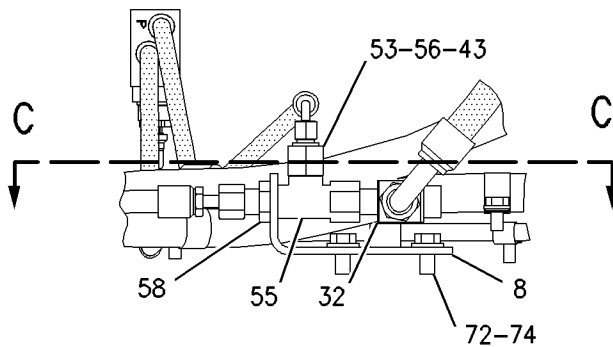
VIEW OF AREA J



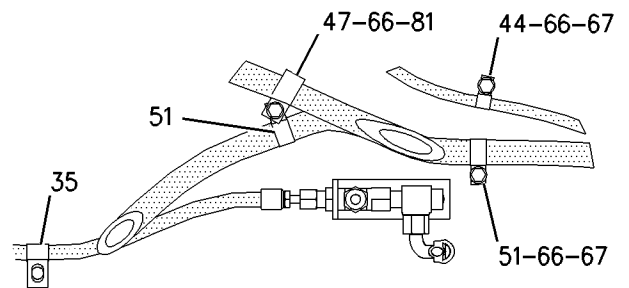
VIEW OF AREA E



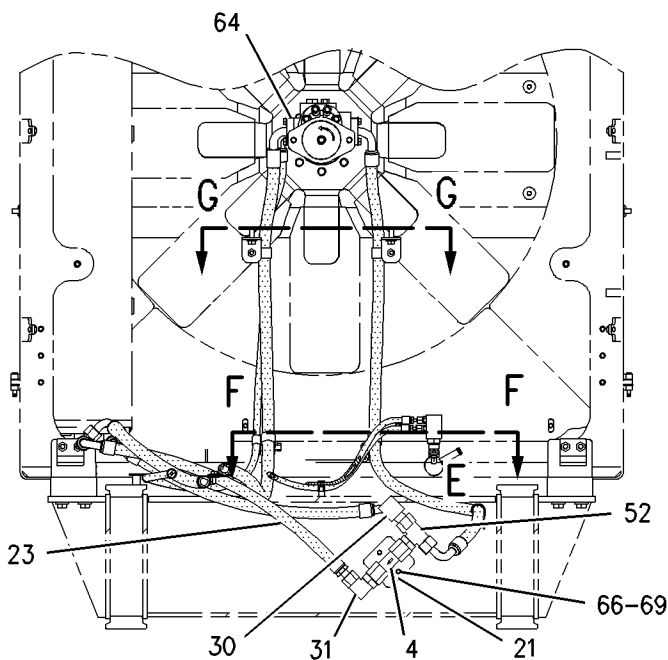
SECTION D-D



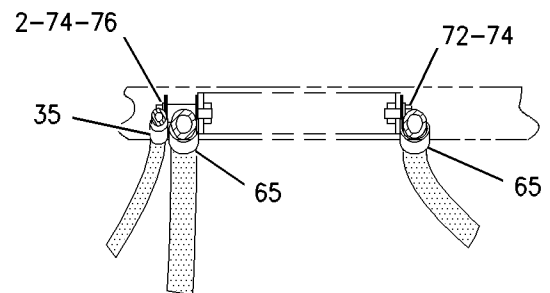
VIEW OF AREA B



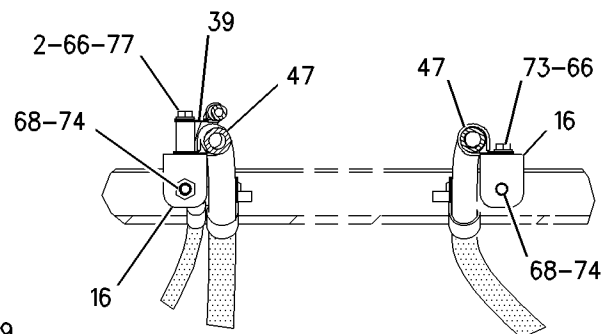
SECTION C-C



SECTION A-A



SECTION F-F



SECTION G-G

GRAPHIC #3

g00813707

HYDRAULIC SYSTEM

174-5434 LINES GP-LIFT CYLINDER

S/N: BPC1-UP

PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-5057, 5102

i01493425

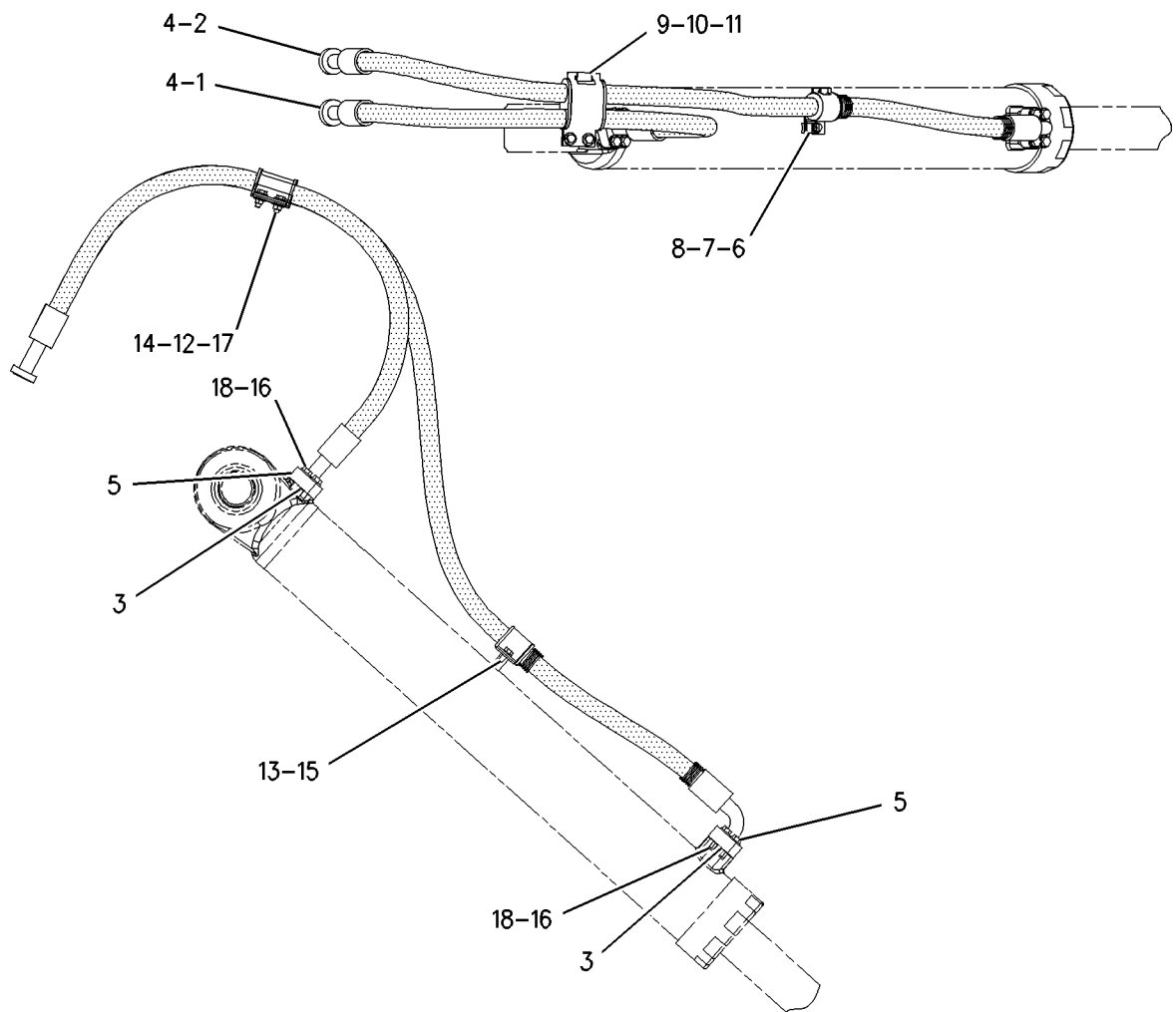
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
I	1	1	186-2872	1	HOSE AS						
I	2	1	186-2873	1	HOSE AS						
	3	1	1P-3703	2	SEAL-RECTANGULAR						
	4	1	1P-3704	2	SEAL-RECTANGULAR						
	5	1	1P-5766	4	FLANGE-HALF						
	6	1	5P-7468	1	CLIP (SLOT)						
	7	1	5P-7469	1	CLIP (TAB)						
	8	1	5P-8444	1	GROMMET						
	9	1	7G-5984	1	CLIP (TAB)						
	10	1	7G-5985	1	CLIP (SLOT)						
	11	1	7G-5986	1	GROMMET						
	12	1	7X-7729	4	WASHER (11X25X3MM THK)						
	13	1	8T-4121	1	WASHER-HARD (11X21X2.5MM THK)						
M	14	1	8T-4133	2	NUT (M10X1.5 THD)						
M	15	1	8T-4136	1	BOLT (M10X1.5X25MM)						
M	16	1	8T-4184	8	BOLT (M12X1.75X45MM)						
M	17	1	8T-4195	2	BOLT (M10X1.5X30MM)						
	18	1	8T-4223	8	WASHER-HARD (13.5X25.5X3MM THK)						

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

HYDRAULIC SYSTEM

174-5434 LINES GP-LIFT CYLINDER (contd.)

i01493425



GRAPHIC #1

g00775350

HYDRAULIC SYSTEM

163-6213 LINES GP-PILOT

S/N: BPC1-UP

PART OF 203-1583 HYDRAULIC AR

SMCS-5057, 5059

i01628760

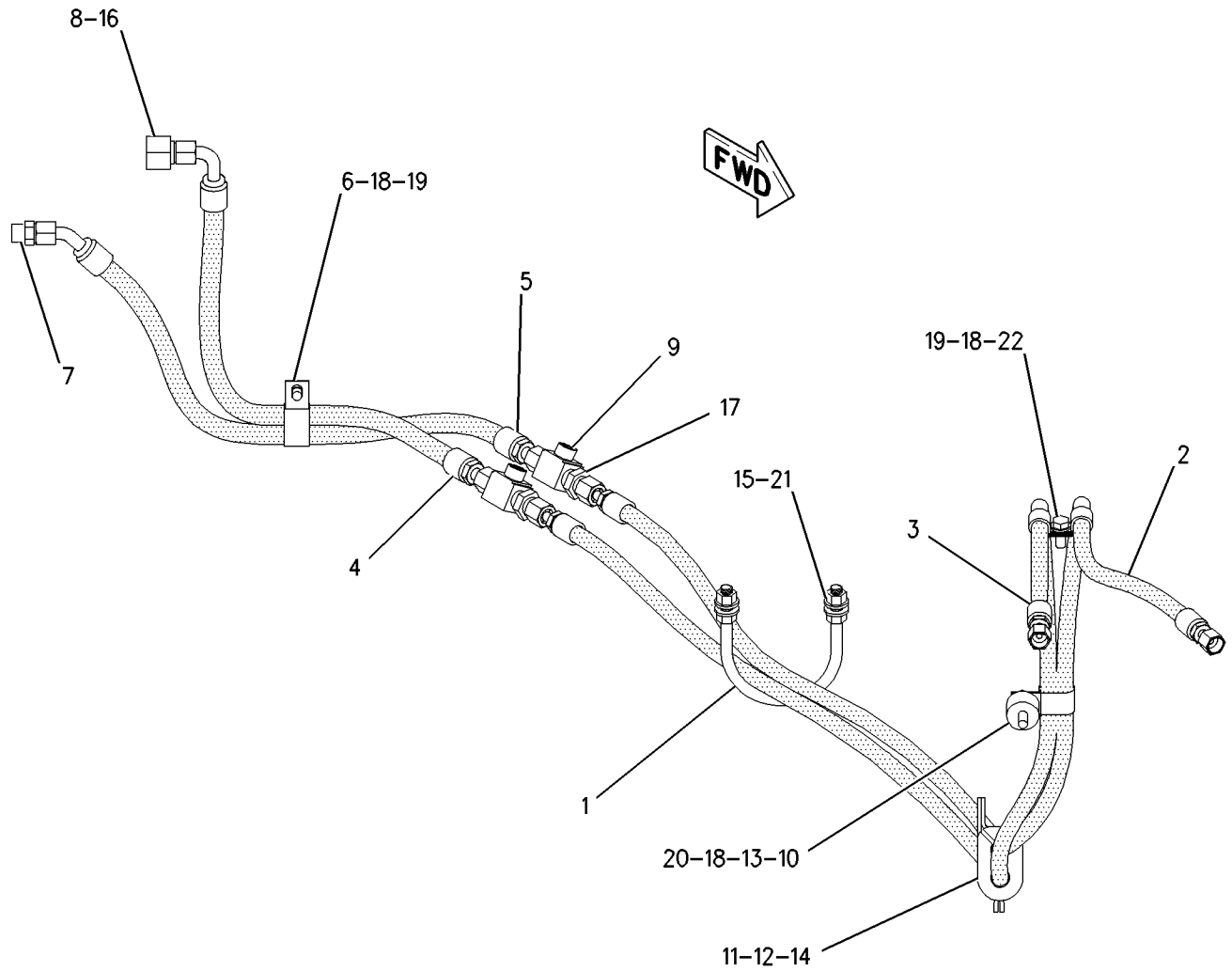
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	147-7142	1	U-BOLT						
I	2	1	163-7337	1	HOSE AS						
I	3	1	163-7339	1	HOSE AS						
I	4	1	163-7340	1	HOSE AS						
I	5	1	163-7341	1	HOSE AS						
	6	1	100-4336	1	CLIP						
	7	1	148-8340	1	CONNECTOR GP						
		1	6V-8639	1	CONNECTOR						
		1	3K-0360	1	SEAL-O-RING						
		1	6V-8398	1	SEAL-O-RING						
8	1	1	148-8418	1	REDUCER GP						
		1	6V-8942	1	REDUCER-O-RING (FACE)						
		1	6V-8398	1	SEAL-O-RING						
9	1	1	148-8427	2	TEE AS-ORFS						
					(EACH INCLUDES)						
		1	8T-6895	1	TEE-UNION ORIFICE						
		1	6V-8398	3	SEAL-O-RING						
10	1	1	8B-9294	1	SPACER						
11	1	1	3G-8054	1	CLIP (TAB)						
12	1	1	3G-8057	1	CLIP (SLOT)						
13	1	1	4D-7733	1	CLIP						
14	1	1	6V-0974	1	GROMMET						
15	1	1	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)						
16	1	1	6V-8556	1	NUT (1 3/16-12 THD)						
17	1	1	6V-9169	2	NUT-BULKHEAD (13/16-16 THD)						
18	1	1	8T-4121	3	WASHER-HARD (11X21X2.5MM THK)						
M	19	1	8T-4136	2	BOLT (M10X1.5X25MM)						
M	20	1	8T-4185	1	BOLT (M10X1.5X50MM)						
M	21	1	8T-4244	4	NUT (M12X1.75 THD)						
	22	1	8M-2773	2	CLIP						

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

HYDRAULIC SYSTEM

163-6213 LINES GP-PILOT (contd.)

i01628760



GRAPHIC #1

g00840816

HYDRAULIC SYSTEM

142-6199 LINES GP-TILT & TIP CYLINDER

S/N: BPC1-UP

PART OF 203-1583 HYDRAULIC AR

SMCS-5057, 5104, 5106

i01583672

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	8J-5913	2	VALVE GP-CHECK (PILOT OPERATED)						567
	2	1	197-0726	2	BRACKET AS						
	3	1	180-4519	4	PLATE						
	4	1	197-0724	2	TUBE AS						
	5	1	177-9446	1	TUBE AS						
	6	1	177-9447	1	TUBE AS						
	7	1	177-9448	1	TUBE AS						
	8	1	177-9449	1	TUBE AS						
	9	1	205-9178	2	BRACKET AS						
	10	1	148-8324	8	CONNECTOR GP						
					(EACH INCLUDES)						
		1	6V-9874	1	CONNECTOR-SEAL						
		1	3K-0360	1	SEAL-O-RING						
		1	6V-9746	1	SEAL-O-RING						
	11	1	4J-5267	4	SEAL-O-RING						
	12	1	5H-4018	4	COVER						
	13	1	5P-1076	8	WASHER-HARD (13.5X30X4MM THK)						
	14	1	197-0725	2	TUBE AS						
	15	1	6V-9746	4	SEAL-O-RING						
	16	1	8C-3205	8	FLANGE-HALF						
	17	1	8T-4121	30	WASHER-HARD (11X21X2.5MM THK)						
M	18	1	8T-4136	8	BOLT (M10X1.5X25MM)						
M	19	1	8T-4139	16	BOLT (M12X1.75X30MM)						
M	20	1	8T-4186	16	BOLT (M10X1.5X40MM)						
	21	1	8T-4223	8	WASHER-HARD (13.5X25.5X3MM THK)						
M	22	1	8T-5005	6	BOLT (M10X1.50X70MM)						

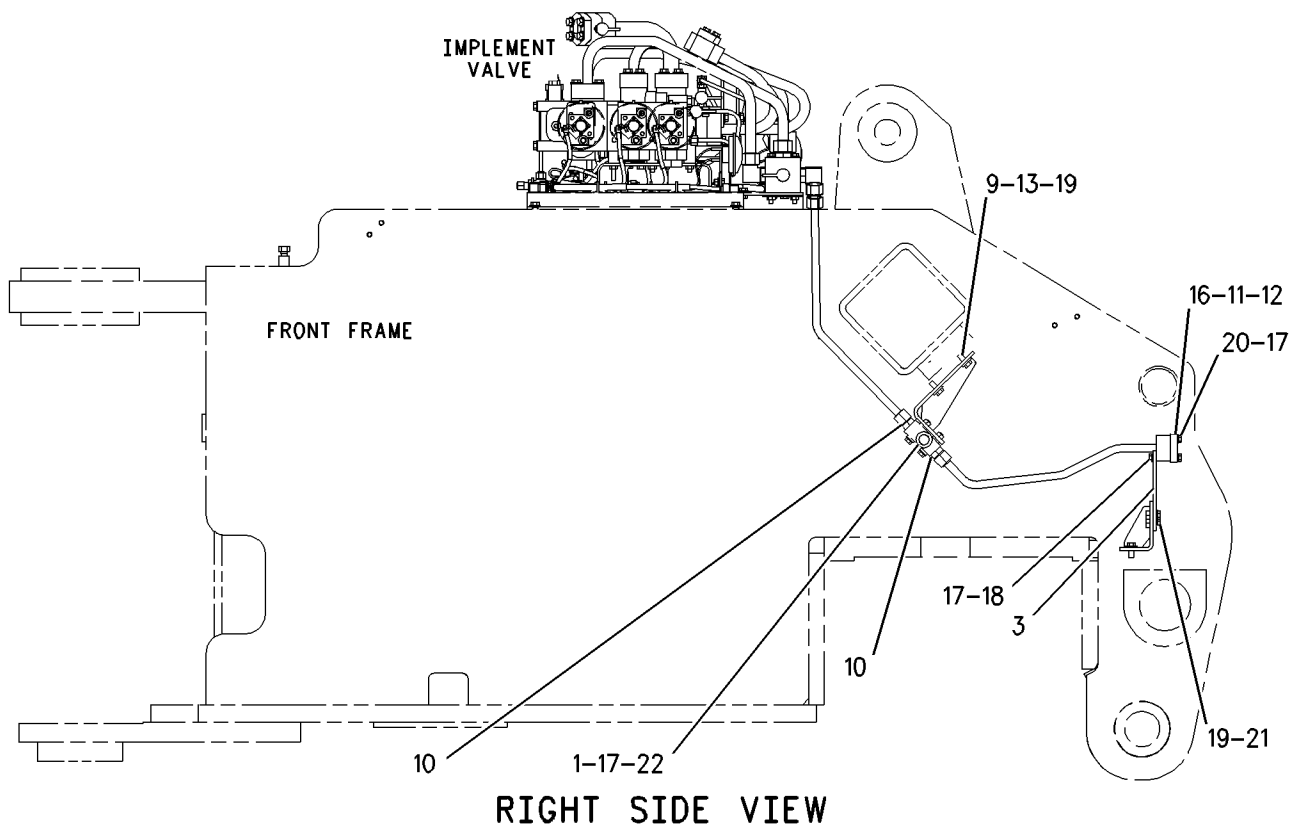
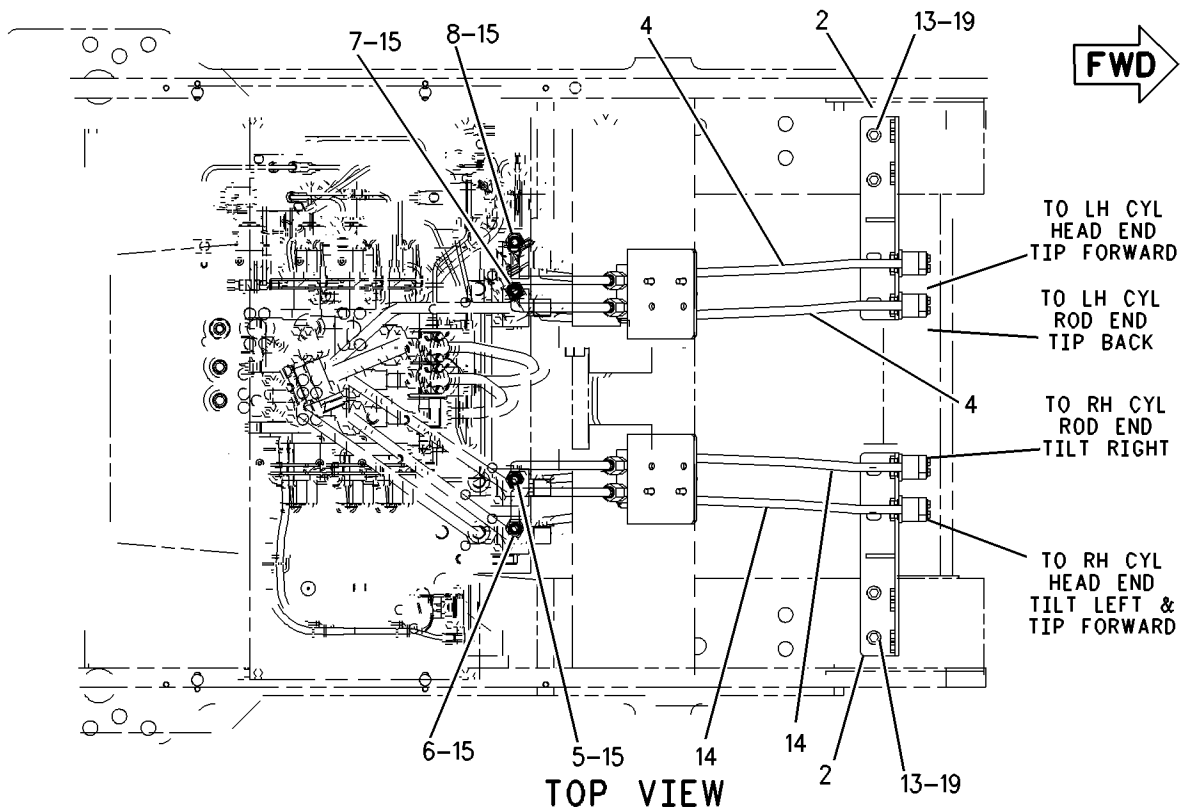
M-METRIC PART

Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

142-6199 LINES GP-TILT & TIP CYLINDER (contd.)

i01583672



GRAPHIC #1

g00821534

HYDRAULIC SYSTEM

152-0602 LINES GP-TILT CYLINDER

S/N: BPC1-UP

PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-5057, 5104

i01424015

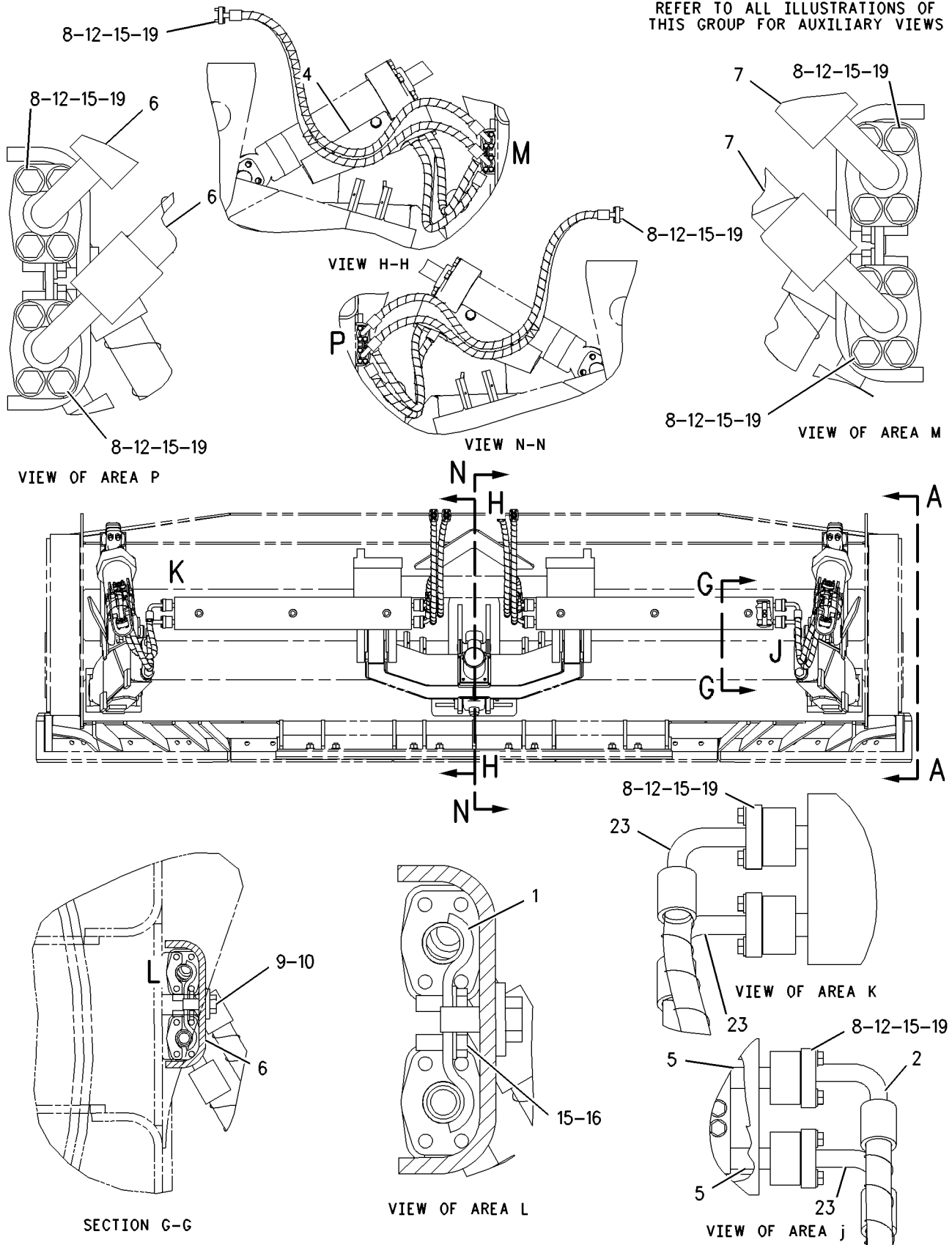
NOTE	REF	GRAPHIC	PART NUMBER	QTY	PART NAME						SEE
	NO	REF			1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4T-3981	8	CLIP						
I	2	1	171-5701	1	HOSE AS						
	3	2	143-9014	2	GUARD						
	4	1	143-9017	1	TUBE AS						
	5	1	152-2825	4	TUBE AS						
	6	1	152-7436	2	GUARD						
I	7	1	159-8344	4	HOSE AS						
	8	1, 2	4J-5267	17	SEAL-O-RING (24.99MM ID)						
	9	1	7X-0583	6	WASHER-HARD (17X45X6MM THK)						
M	10	1	7X-2553	6	BOLT (M16X2X40MM)						
M	11	2	7X-2573	8	BOLT (M24X3.0X40MM)						
	12	1, 2	8C-3205	30	FLANGE-HALF						
	13	2	8T-1889	2	CLIP (SLOT)						
	14	2	8T-1890	2	CLIP (TAB)						
	15	1, 2	8T-4121	82	WASHER-HARD (11X21X2.5MM THK)						
M	16	1, 2	8T-4136	18	BOLT (M10X1.5X25MM)						
	17	2	8T-4167	8	WASHER-HARD (26X44X4MM THK)						
M	18	2	8T-4185	8	BOLT (M10X1.5X50MM)						
M	19	1, 2	8T-4196	64	BOLT (M10X1.5X35MM)						
	20	2	9X-2027	8	WASHER (11X18X2MM THK)						
	21	2	8C-3206	2	FLANGE-HALF						
	22	2	4J-0520	1	SEAL-O-RING (32.92MM ID)						
I	23	1	172-8283	3	HOSE AS						
	24	2	172-8099	1	TUBE AS						
I-SEE HOSE FABRICATION GUIDE											
M-METRIC PART											

HYDRAULIC SYSTEM

152-0602 LINES GP-TILT CYLINDER (contd.)

i01424015

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS



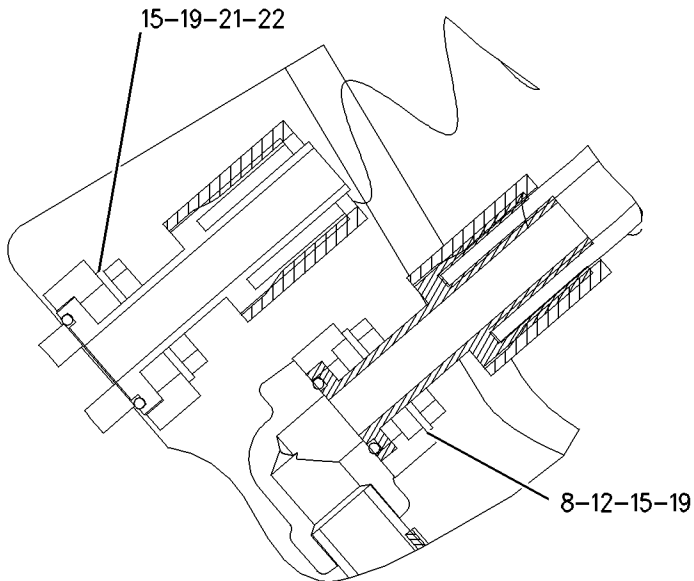
GRAPHIC #1

g00746787

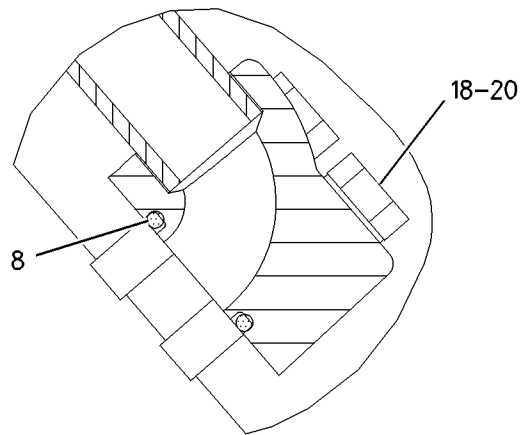
HYDRAULIC SYSTEM

152-0602 LINES GP-TILT CYLINDER (contd.)

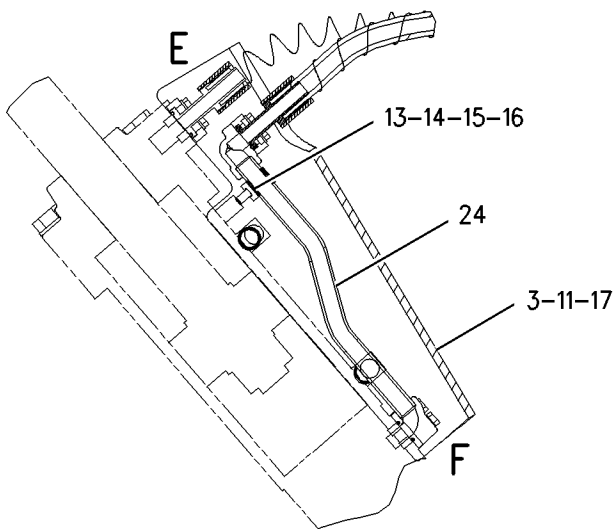
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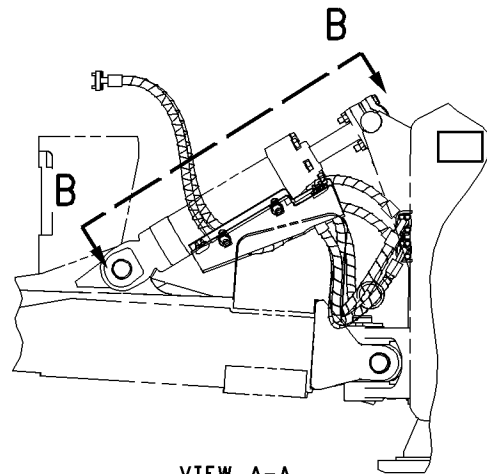
VIEW OF AREA E



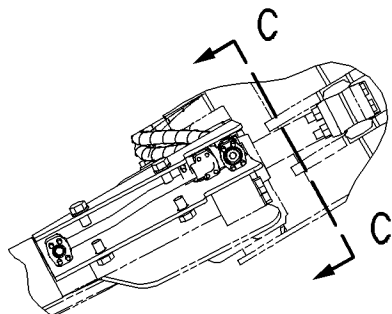
VIEW OF AREA F



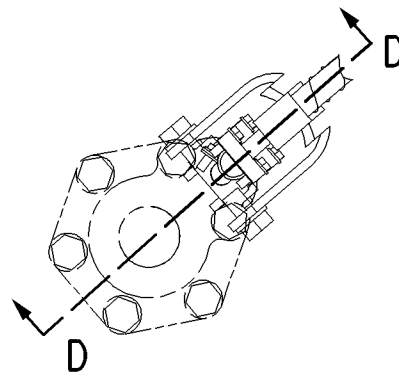
VIEW D-D



VIEW A-A



VIEW B-B



VIEW C-C

GRAPHIC #2

g00746788

HYDRAULIC SYSTEM

139-6825 MOTOR GP-GEAR-HYDRAULIC FAN

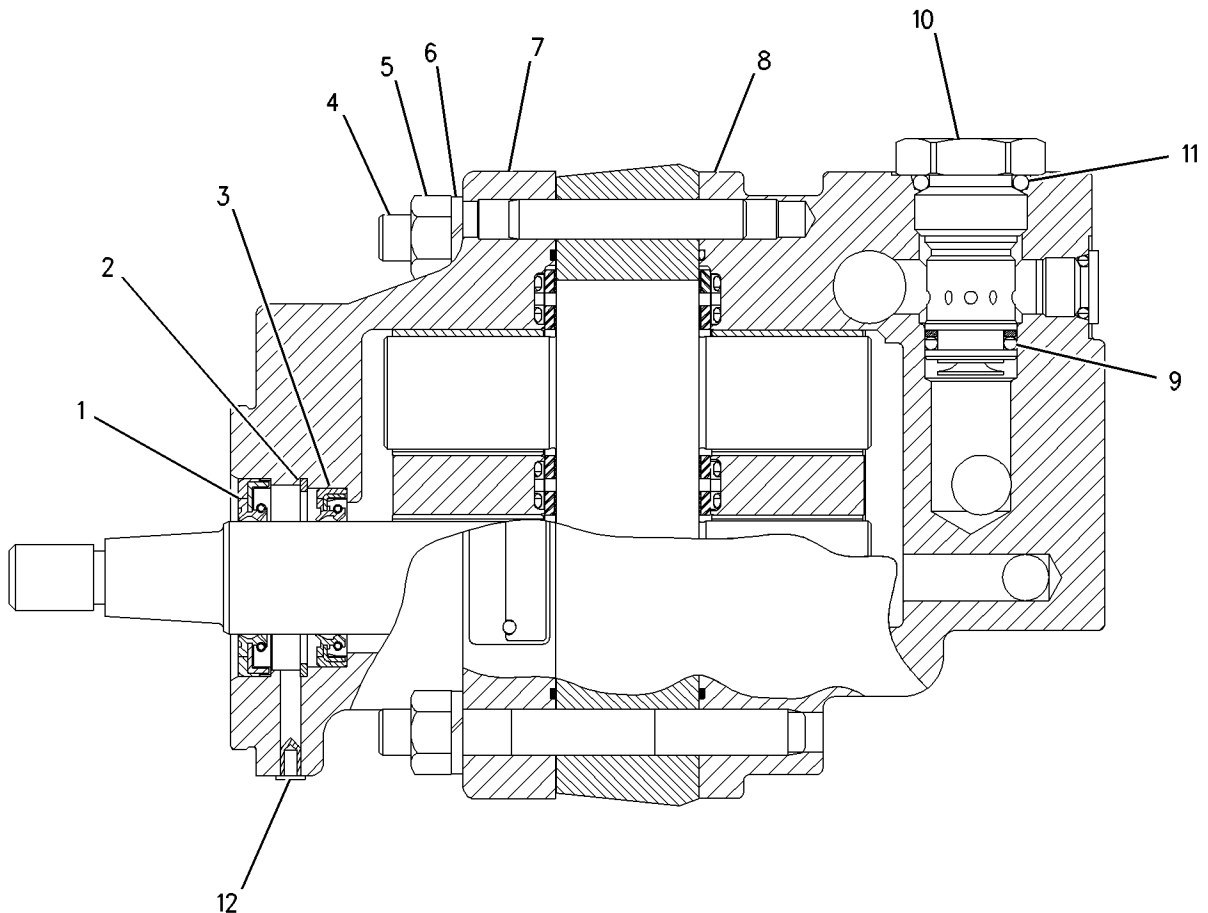
S/N: BPC1-UP

PART OF 142-6193 LINES GP-HYDRAULIC FAN

SMCS-1386, 5061

i01401442

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
J	1	1	6V-3676	1	SEAL-LIP						
J	2	1	8Q-2979	1	RING						
J	3	1	6V-3675	1	SEAL-LIP						
	4	1	1U-3192	8	STUD						
	5	1	5B-3254	8	NUT-JAM (7/16-20 THD)						
	6	1	5P-8244	8	WASHER (12X22.5X2.5MM THK)						
	7	1	196-1170	1	FLANGE AS						
	8	1	196-1171	1	COVER AS						
	9	1	6V-8351	1	SEAL-O-RING						
	10	1	196-1172	1	VALVE GP-CHECK						
		1	033-6036	1	SEAL-O-RING (23.47MM ID)						
		1	6V-8351	1	SEAL-O-RING						
	11	1	033-6036	1	SEAL-O-RING (23.47MM ID)						
J	12	1	3G-7242	1	PLUG						
					AVAILABLE REPAIR KIT(S) :						
J			6E-3687		KIT-SEAL						
					(INCLUDES RETAINER)						
J-KIT(S) MARKED J INCLUDES PART(S) MARKED J											



GRAPHIC #1

g00739395

HYDRAULIC SYSTEM

190-8756 PUMP GP-GEAR-IMPLEMENT, PILOT & BRAKE

S/N: BPC1-UP

PART OF 142-6192 LINES GP-HYDRAULIC

SMCS-1387, 5073, 5084, 5085

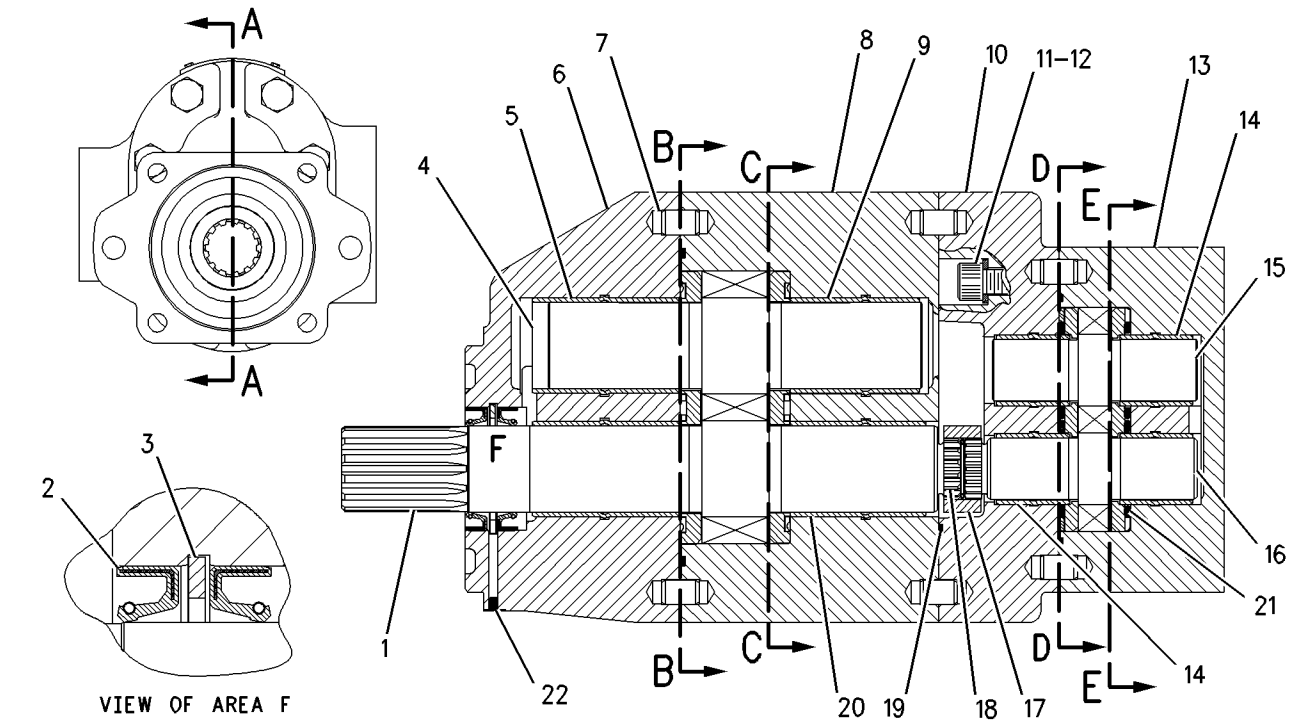
i01500278

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	168-6896	1	GEAR-DRIVE (13 TEETH)	
J	2	1	165-7235	2	SEAL-LIP TYPE	
J	3	1	4D-1736	1	RING-RETAINING	
	4	1	168-6897	1	GEAR-IDLER	
	5	1	165-4427	2	BUSHING	
	6	1	168-6893	1	FLANGE AS	
	7	1	6J-2386	6	DOWEL	
	8	1	196-6847	1	BODY AS	
	9	1	165-8386	1	BUSHING	
	10	1	148-7082	1	PLATE AS	
	11	1	8B-7979	8	BOLT (1/2-13X2.5 IN)	
	12	1	5P-7213	12	WASHER-HARD (13.5X20.5X2MM THK)	
	13	1	168-6895	1	BODY AS	
	14	1	4T-9298	4	BUSHING-TERMINAL	
	15	1	168-6899	1	GEAR-IDLER	
	16	1	168-6898	1	GEAR-DRIVE	
	17	1	5S-1522	1	RING-SNAP	
	18	1	7J-4772	1	COUPLING-SPLINE	
J	19	1	6V-7350	2	SEAL-O-RING	
	20	1	165-4423	1	BUSHING	
	21	1	4T-9426	1	PLATE-ISOLATION	
J	22	1	6E-2943	1	PLUG	
J	23	1	6V-7351	1	SEAL-O-RING	
	24	1	175-0323	1	PLATE-PRESSURE	
	25	1	175-0324	1	PLATE-PRESSURE	
J	26	1	077-4652	2	RING-RETAINING	
J	27	1	077-4944	2	SEAL-O-RING	
J	28	1	077-4943	2	RING-BACKUP	
	29	1	4T-9425	1	PLATE-ISOLATION	
	30	1	4T-8764	2	PLATE-PRESSURE	
	31	1	9S-8008	1	PLUG-O-RING	
	32	1	033-6036	1	SEAL-O-RING	
	33	1	9X-8880	8	BOLT (5/8-11X2 IN)	
	34	1	148-9663	4	STUD	
	35	1	7X-3374	4	NUT-FULL (1/2-20 THD)	
AVAILABLE REPAIR KIT(S) :						
J			196-6848		KIT-SEAL	
(INCLUDES SEALS, RINGS, PLUG, O-RING						
J-PARTS INCLUDED IN KIT						

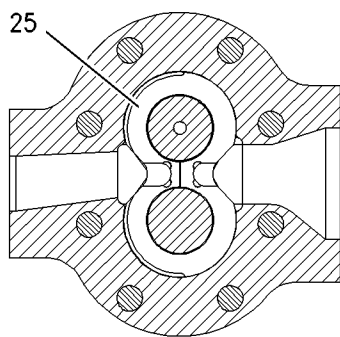
HYDRAULIC SYSTEM

190-8756 PUMP GP-GEAR (contd.)

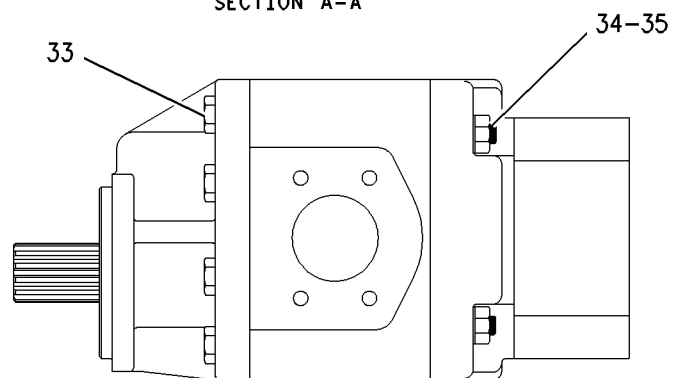
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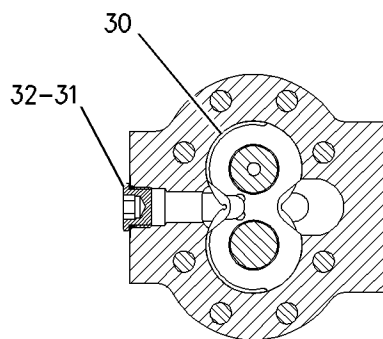
SECTION A-A



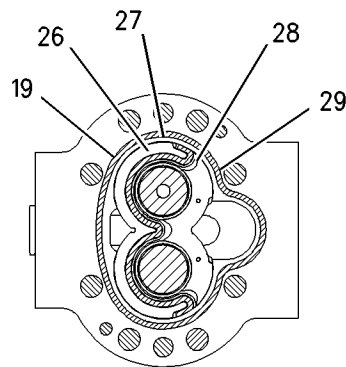
SECTION C-C



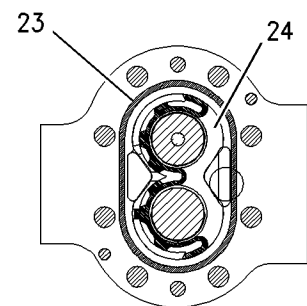
SECTION B-B



SECTION E-E



SECTION D-D



GRAPHIC #1

g00776413

HYDRAULIC SYSTEM

152-7767 PUMP GP-PISTON-HYDRAULIC FAN*R

S/N: BPC1-UP

PART OF 142-6193 LINES GP-HYDRAULIC FAN

SMCS-1387, 5070

i01628126

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	175-6801	1	SHAFT-PUMP	
	2	1	8C-3110	1	RING-RETAINING	
	3	1	166-0344	1	SEAL-SHAFT	
	4	1	9S-8006	1	PLUG	
	5	1	2M-9780	1	SEAL-O-RING	
	6	1	127-9490	1	SPRING	
	7	1	168-2198	1	LINK-CONTROL	
	8	1	168-7861	1	PISTON-CONTROL	
	9	1	168-7863	1	PLUG-CONTROL	
	10	1	8T-7525	1	SEAL-O-RING	
	11	1	083-4419	1	PIN	
	12	1	168-3504	1	SEAL	
	13	1	136-8423	1	PLUG-BREAK OFF	
M	14	1	095-0670	4	BOLT (M12X1.75X45MM)	
	15	1	105-3035	1	CONE-BEARING	
	16	1	203-8609	1	CUP-BEARING	
	17	1	127-9485	1	SEAL-O-RING	
B	18	1	127-9483	1	SHIM	
Y	19	1	189-9379	1	ROTATING GP-PUMP	556
	20	1	175-6795	1	SWASHPLATE	
	21	1	168-7869	2	BEARING-CRADLE	
	22	1	203-9163	1	CONE-BEARING	
	23	1	6V-4636	1	CUP-BEARING	
	24	1	168-7871	1	HOUSING-PUMP	
Y	25	1	191-2929	1	VALVE GP-PRESS & FLOW CMPNSTR	574
	26	1	9X-7680	3	SEAL-O-RING	
M	27	1	8T-8442	4	BOLT-SOCKET HEAD (M6X1X30MM)	
	28	1	9S-8002	1	PLUG-O-RING	
	29	1	3J-7354	1	SEAL-O-RING	

B-USE AS REQUIRED

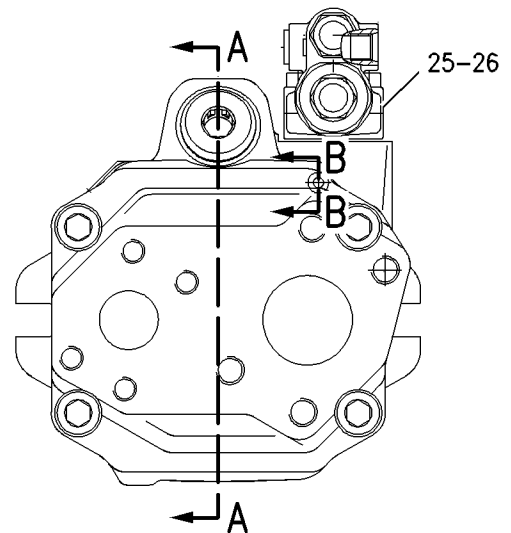
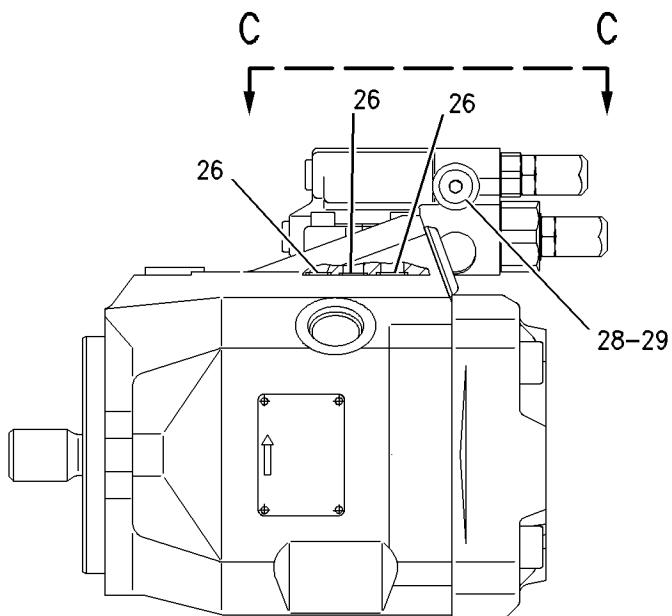
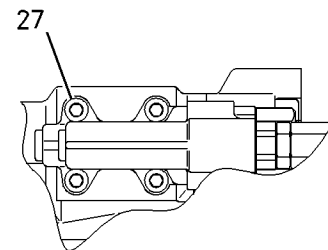
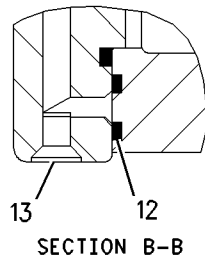
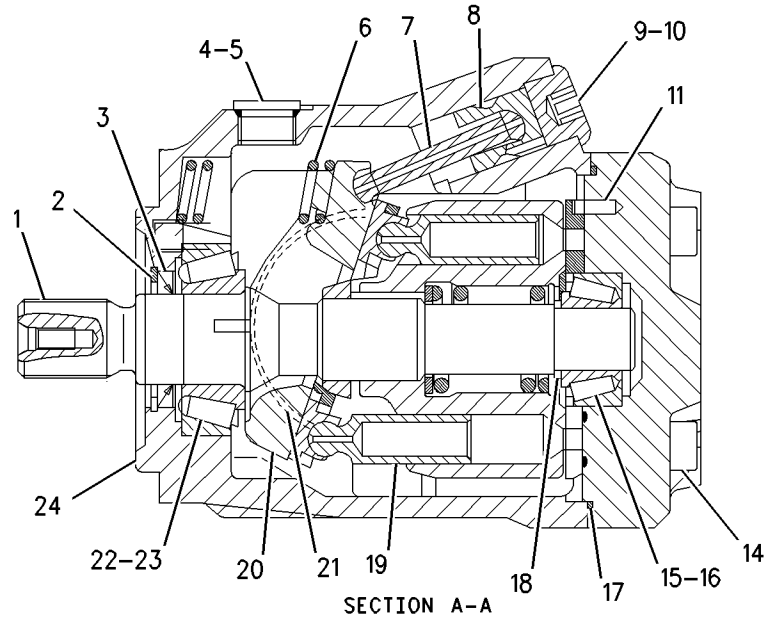
M-METRIC PART

Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

152-7767 PUMP GP-PISTON (contd.)

i01628126



GRAPHIC #1

g00718823

HYDRAULIC SYSTEM

189-9379 ROTATING GP - PUMP-HYDRAULIC FAN

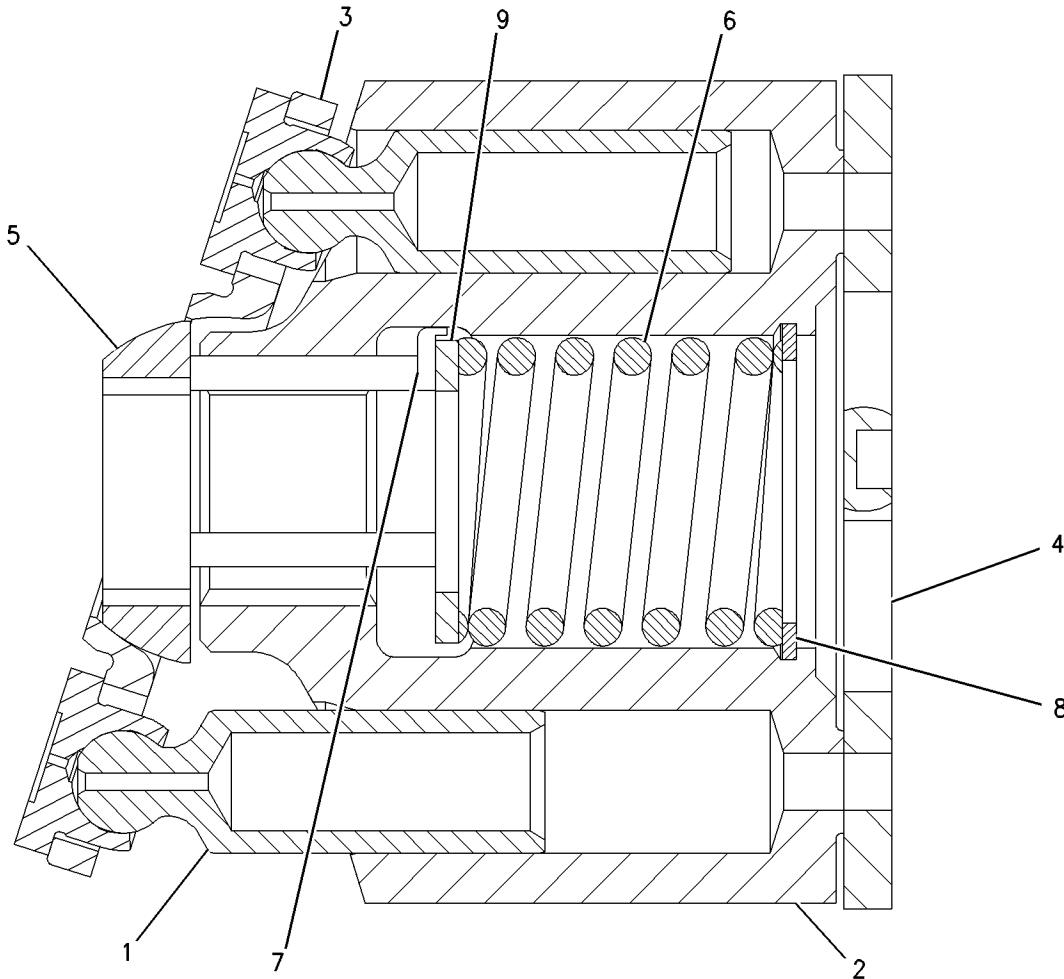
S/N: BPC1-UP

PART OF 152-7767 PUMP GP-PISTON

SMCS-1387, 5070, 5084

i01362869

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	189-9380	9	PISTON AS						
	2	1	128-7069	1	BARREL						
	3	1	189-9382	1	PLATE						
	4	1	138-8173	1	PLATE - VALVE						
	5	1	138-8175	1	BEARING - SPHERICAL						
	6	1	168-7941	1	SPRING						
	7	1	168-7940	3	PIN						
	8	1	096-0015	1	RING-RETAINING						
	9	1	168-7942	1	WASHER						



GRAPHIC #1

g00719942

MEMORANDA

HYDRAULIC SYSTEM

142-6200 TANK & MTG GP-HYDRAULIC

S/N: BPC1-UP

PART OF 203-1583 HYDRAULIC AR

SMCS-5056, 5068

i01424020

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9T-0818	1	VALVE-BREAKER RELIEF						
Y	2	1	152-5689	1	TANK GP-HYDRAULIC						560
	3	1	161-6906	1	BRACKET AS						
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)						
M		1	8T-3597	8	NUT-WELD (M12X1.75 THD)						
	4	1	162-2897	1	PLATE AS						
	5	1	090-8865	6	SPACER (3MM THK)						
M	6	1	7X-2553	4	BOLT (M16X2X40MM)						
M	7	1	7X-2575	4	BOLT (M24X3X60MM)						
M	8	1	8T-4132	2	NUT (M16X2 THD)						
	9	1	8T-4167	4	WASHER-HARD (26X44X4MM THK)						
M	10	1	8T-7338	6	BOLT (M16X2.0X45MM)						
	11	1	9X-8257	6	WASHER (17.5X30X3.5MM THK)						
	12	1	3D-2824	1	SEAL-O-RING (23.47MM ID)						
	13	1	8T-3491	1	ELBOW						
	13A	1	3D-2824	1	SEAL-O-RING (23.47MM ID)						

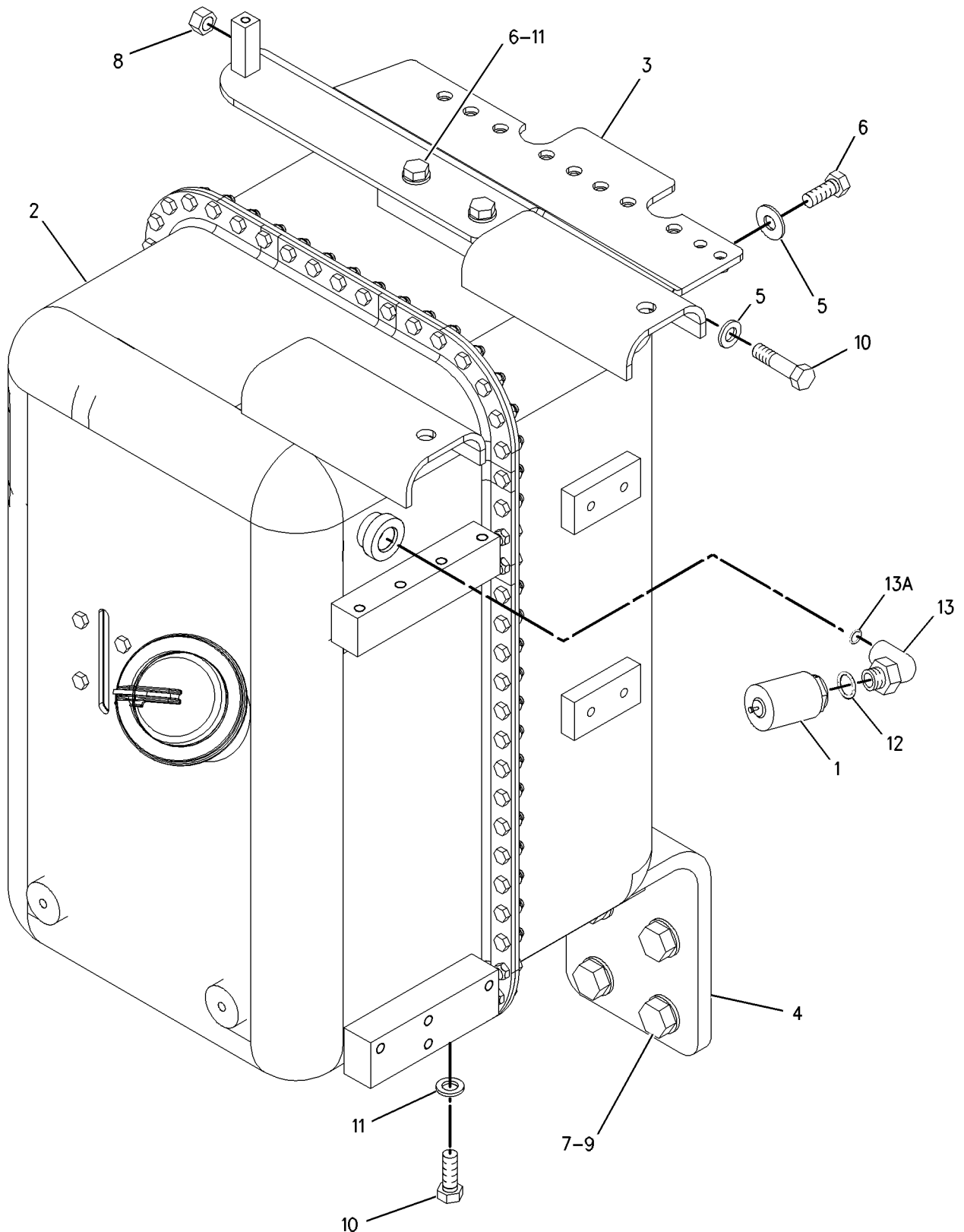
M-METRIC PART

Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

142-6200 TANK & MTG GP -HYDRAULIC (contd.)

i01424020



GRAPHIC #1

g00746485

HYDRAULIC SYSTEM

152-5689 TANK GP-HYDRAULIC

S/N: BPC1-UP

PART OF 142-6200 TANK & MTG GP-HYDRAULIC

SMCS-5056

i01228146

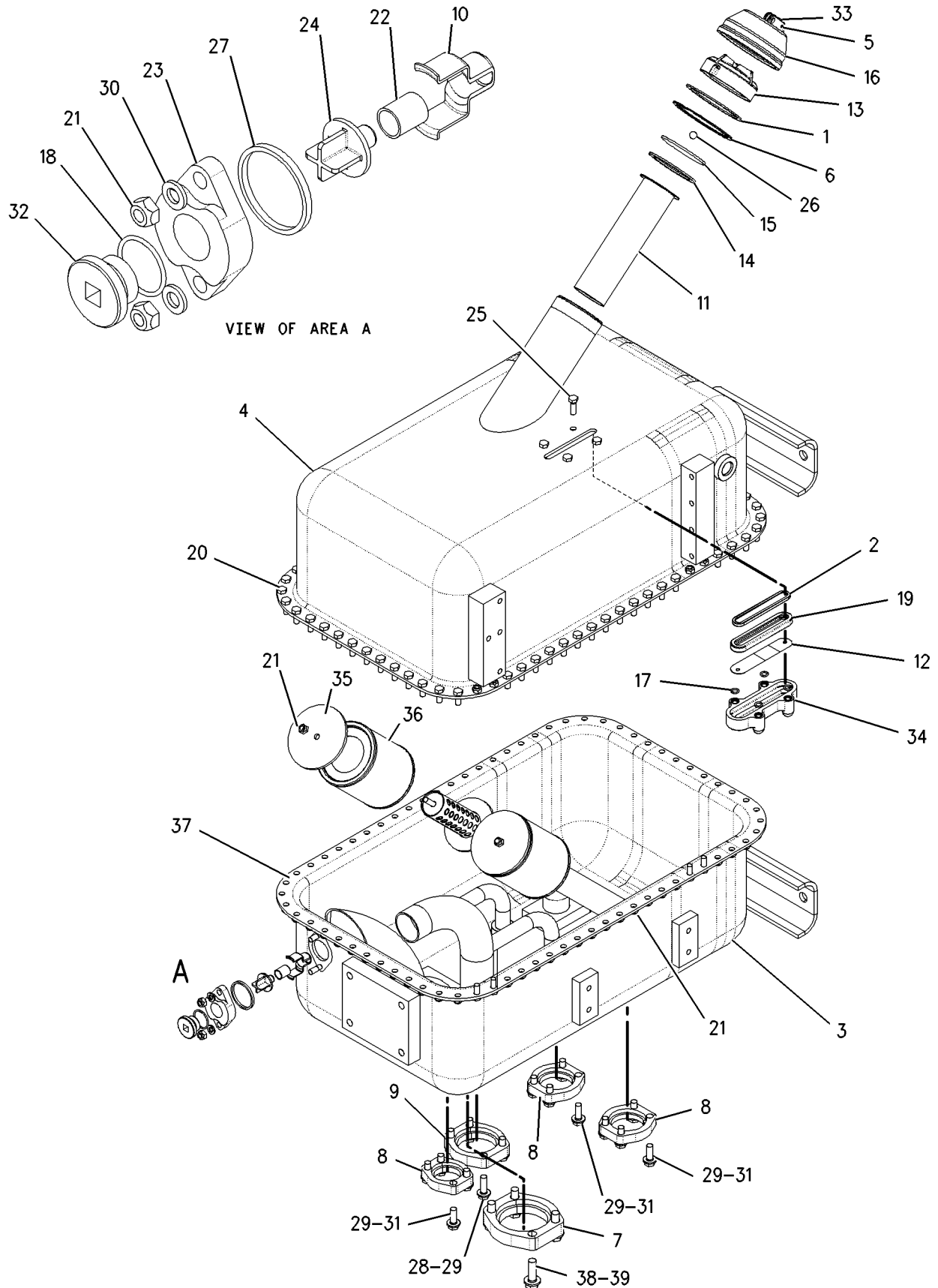
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	5D-1901	1	WASHER (0.105MM THK)	
	2	1	6J-1081	1	GLASS-SIGHT	
	3	1	152-5691	1	TANK AS	
	4	1	152-5692	1	COVER AS	
	5	1	1L-5072	1	DOWEL	
	6	1	1M-8649	1	RING-RETAINING	
	7	1	1P-4585	2	FLANGE-HALF	
	8	1	1P-4582	6	FLANGE-HALF	
	9	1	1P-4584	2	FLANGE-HALF	
	10	1	1U-2827	1	GUIDE-VALVE	
	11	1	3D-6678	1	STRAINER AS	
	12	1	3G-6455	1	PLATE	
	13	1	4J-3754	1	CAP-FILLER	
	14	1	4J-3815	1	GASKET	
	15	1	4J-3816	1	PLATE	
	16	1	5D-1902	1	COVER-HYDRAULIC CAP	
	17	1	5H-6005	4	SEAL-O-RING (10.77MM ID)	
	18	1	5M-2057	1	SEAL-O-RING (34.59MM ID)	
	19	1	6J-1080	1	GROMMET	
M	20	1	6V-4248	70	BOLT (M10X1.50X25MM)	
M	21	1	6V-7744	74	LOCKNUT (M10X1.50 THD)	
	22	1	7B-3039	1	SPRING	
	23	1	8J-8782	1	BODY-DRAIN VALVE	
	24	1	8J-8783	1	VALVE	
M	25	1	8T-0722	4	BOLT-LOCKING (M10X1.5X30MM)	
	26	1	8T-2275	1	BALL	
	27	1	8T-3298	1	SEAL-RECTANGULAR (51.7MM ID)	
M	28	1	8T-4183	4	BOLT (M12X1.75X40 MM)	
	29	1	8T-4223	16	WASHER-HARD (3MM THK)	
	30	1	8T-4896	2	WASHER-HARD (2.5MM THK)	
M	31	1	8T-4956	12	BOLT (M12X1.75X35MM)	
	32	1	9J-7031	1	PLUG-DRAIN	
	33	1	9M-7394	1	LEVER	
	34	1	9T-4105	1	RETAINER	
	35	1	9T-9226	2	PLATE	
	36	1	9T-9227	2	SCREEN AS	
D	37	1	5P-9119		SEALANT (2.8M)	
	38	1	7X-0591	4	WASHER-HARD (3.0MM THK)	
M	39	1	7X-2553	4	BOLT (M16X2.0X40MM)	

D-ORDER BY THE METER
M-METRIC PART

HYDRAULIC SYSTEM

152-5689 TANK GP - HYDRAULIC (contd.)

i01228146



GRAPHIC #1

g00656562

HYDRAULIC SYSTEM

163-1045 VALVE & MTG GP-MAIN CONTROL

S/N: BPC1-UP

3 FUNCTION

PART OF 203-1583 HYDRAULIC AR

SMCS-5051

i01627935

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3E-2310	1	TEE	
	2	2	9X-6772	9	STRAP-CABLE	
	3	2	6V-0484	2	ADAPTER-O-RING	
	4	1,2	6V-0852	6	CAP-DUST	
	5	1,2	6V-3965	6	FITTING AS	
	6	1	6V-8077	2	ELBOW	
	7	2	7K-1181	13	STRAP-CABLE	
	8	2	163-1201	1	HORN AS (24 VOLT) (LOW TONE)	
	9	1	8C-3446	1	VALVE GP-FLUID SAMPLING	
	10	1	8C-3451	1	CAP-DUST	
	11	1	8R-0752	1	ADAPTER	
	12	1	8T-1674	1	TEE	
	13	2	8T-9107	2	TEE	
Y	14	2	9T-3096	2	VALVE GP-CHECK (PILOT)	488
	15	2	9V-9311	2	BRACKET	
	16	1	148-7262	4	MANIFOLD	
	17	2	148-7564	1	ADAPTER	
	18	1	153-0071	4	PLATE AS	
					(EACH INCLUDES)	
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)	
	19	1	153-9691	1	TUBE AS	
	20	2	155-0811	1	BRACKET	
	21	2	209-8743	1	HARNESS AS	
		2	155-2270	9	KIT-CONNECTING PLUG (2 PIN)	
		2	102-8801	1	KIT-RECEPTACLE (12 PIN)	
		2	102-8803	1	KIT-RECEPTACLE (3 PIN)	
		2	102-8804	2	KIT-RECEPTACLE (4 PIN)	
		2	102-8805	1	KIT-RECEPTACLE (6 PIN)	
	22	2	160-4989	2	BRACKET AS	
					(EACH INCLUDES)	
M		2	8T-3490	1	NUT-WELD (M10X1.5 THD)	
	23	1	160-9427	1	TUBE AS	
	24	1	160-9428	1	TUBE AS	
	25	1	160-9429	1	TUBE AS	
	26	2	161-4391	1	TUBE AS	
	27	1	161-4392	1	TUBE AS	
Y	28	1	163-0869	1	VALVE GP-COMBINATION (PILOT SUPPLY)	568
	29	2	163-0944	1	PLATE AS	
Y	30	1	192-0902	1	VALVE GP-MAIN CONTROL (THREE FUNCTION)	570
	31	2	163-4069	1	TUBE AS	
	32	2	163-4070	1	TUBE AS	
	33	1	163-4071	1	TUBE AS	
	34	1	163-4072	1	TUBE AS	
	35	2	177-0761	1	TUBE AS	
	36	2	163-4074	1	TUBE AS	
	37	2	163-4075	1	TUBE AS	
	38	2	201-2422	1	TUBE AS	
	39	2	201-2452	1	BRACKET	
	40	2	201-2453	1	BRACKET	
	41	2	201-2423	1	TUBE AS	
	42	2	115-3069	1	CLIP AS-CONNECTOR	
	43	2	115-3070	2	CLIP AS-CONNECT	
	44	2	115-3071	1	CLIP AS-CONNECTOR (6 PIN)	
	45	2	115-3073	1	CLIP AS-CONNECTING	
	46	1,2	1P-3704	9	SEAL-RECTANGULAR	

HYDRAULIC SYSTEM

163-1045 VALVE & MTG GP-MAIN CONTROL (contd.)

i01627935

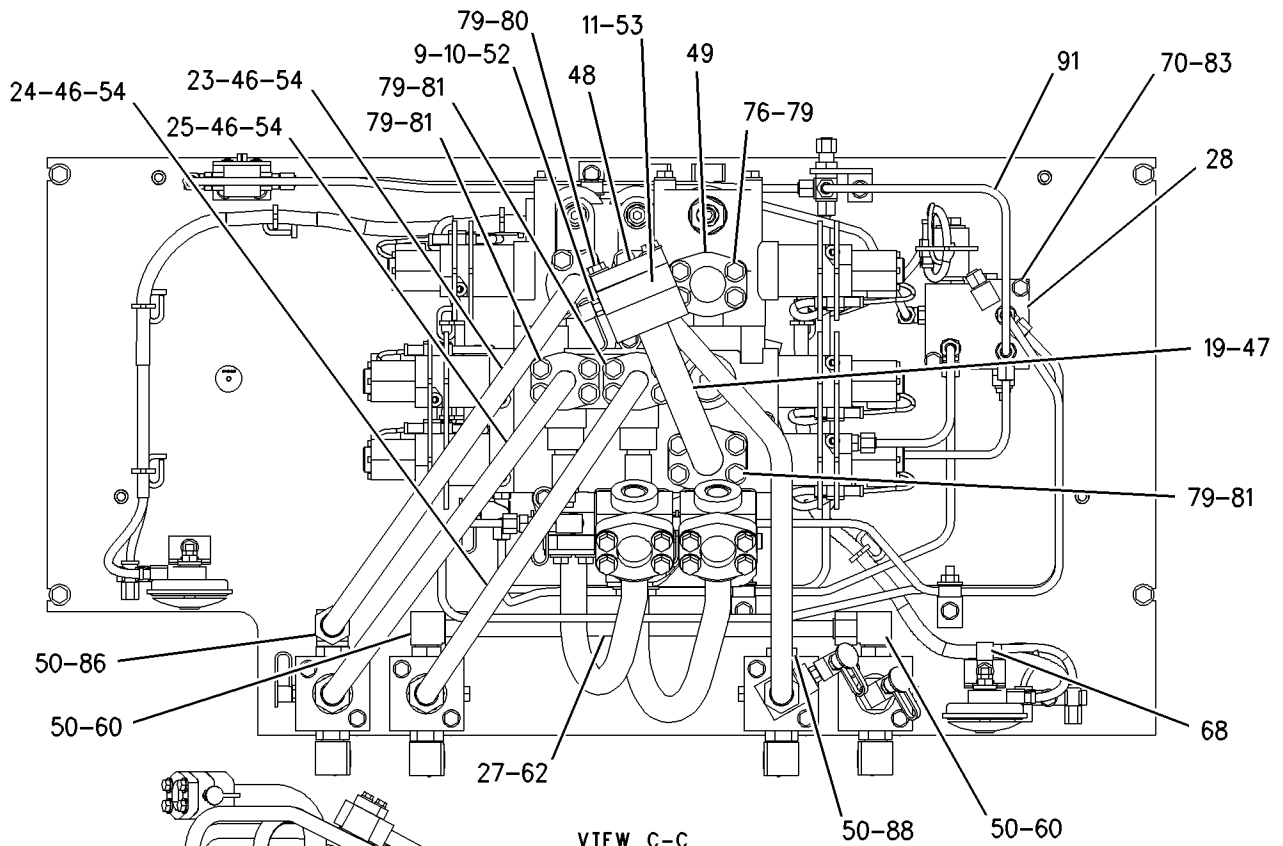
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	47	1	1P-3705	1	SEAL-RECTANGULAR	
	48	1	1P-4579	2	FLANGE-HALF	
	49	1,2	1P-5767	6	FLANGE-HALF	
	50	1	3D-2824	8	SEAL-O-RING	
	51	1,2	3J-1907	28	SEAL-O-RING	
	52	1	3J-7354	1	SEAL-O-RING	
	53	1	4J-0524	1	SEAL-O-RING	
	54	1,2	5K-9090	4	SEAL-O-RING	
	55	2	5P-9297	6	CLIP	
	56	1,2	6V-8397	19	SEAL-O-RING	
	57	1	6V-8635	2	CONNECTOR	
	58	2	6V-8636	4	CONNECTOR	
	59	2	6V-8781	3	TEE-FACE SEAL	
	60	1	6V-9007	6	ELBOW	
	61	2	6V-9168	1	NUT (11/16-16 THD)	
	62	1	6V-9746	2	SEAL-O-RING	
	63	1	7M-8485	4	SEAL-O-RING	
	64	2	7X-0820	1	TEE-UNION ORIFICE	
M	65	1	7X-2543	8	BOLT (M10X1.5X120MM)	
	66	2	4B-4274	4	WASHER (5.5X13X1.2MM THK)	
	67	1	8J-0426	1	PLUG-O-RING	
	68	1	8M-2773	1	CLIP	
	69	2	8T-1905	1	ELBOW	
	70	1,2	8T-4121	29	WASHER-HARD (11X21X2.5MM THK)	
M	71	2	8T-4133	2	NUT (M10X1.5 THD)	
M	72	2	8T-4136	13	BOLT (M10X1.5X25MM)	
	73	2	6V-8724	2	ELBOW	
M	74	1,2	8T-4139	4	BOLT (M12X1.75X30MM)	
M	75	1	7X-2550	4	BOLT (M12X1.75X110MM)	
M	76	1,2	8T-4194	12	BOLT (M12X1.75X50MM)	
M	77	2	8T-4195	3	BOLT (M10X1.5X30MM)	
	79	1,2	8T-4223	56	WASHER-HARD (13.5X25.5X3MM THK)	
M	80	1	8T-4648	8	BOLT (M12X1.75X70MM)	
M	81	1,2	8T-4910	20	BOLT (M12X1.75X60MM)	
	82	1	173-1437	4	FLANGE-HALF	
M	83	1	8T-5005	2	BOLT (M10X1.50X70MM)	
	84	2	174-7875	1	HORN AS (24 VOLT) (HIGH TONE)	
M	85	2	8T-6408	2	BOLT (M10X1.50X160MM)	
	86	1	8T-6684	1	ELBOW	
M	87	2	8T-4192	4	BOLT (M12X1.75X25MM)	
	88	1	9S-4183	1	PLUG	
	89	1	9S-4191	3	PLUG-STRAIGHT THREAD	
	90	2	177-0762	1	BRACKET AS	
	91	1	176-7081	1	TUBE AS	
	92	2	176-7080	1	TUBE AS	
	93	2	176-7079	1	PLATE	
Y	94	2	112-1817	1	VALVE GP-BALL (MANUAL LOWERING CONTROL)	566
M	95	2	7Y-3173	4	SCREW-BUTTON HEAD (M4X0.7X12MM)	
	96	2	6V-9836	1	TEE-SWIVEL	
M	97	1	7X-2544	1	BOLT (M10X1.5X104MM)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

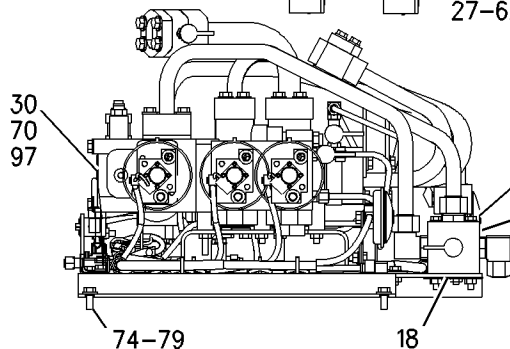
163-1045 VALVE & MTG GP-MAIN CONTROL (contd.)

i01627935

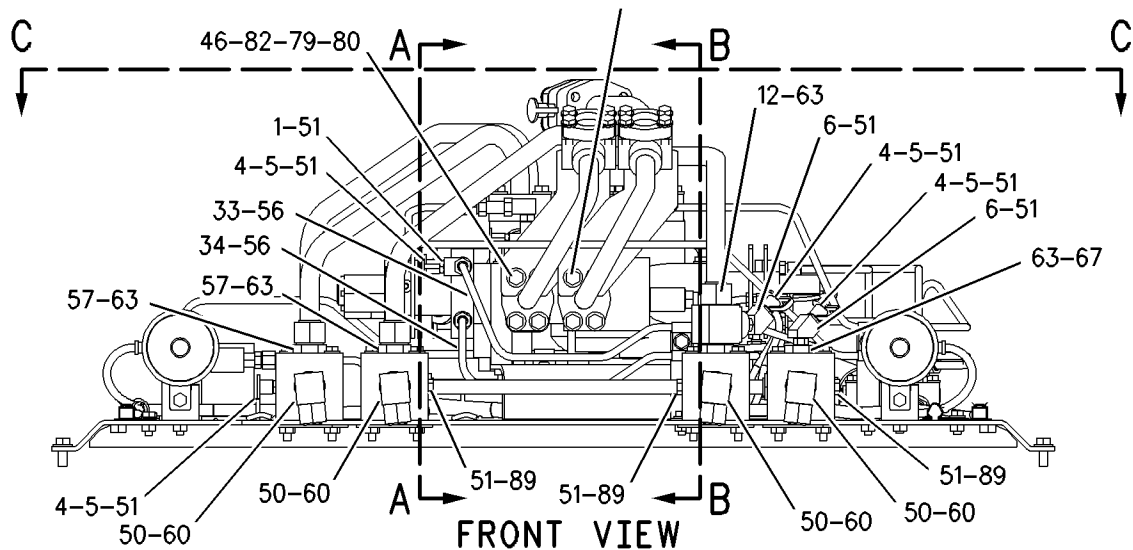


VIEW C-C

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS



RIGHT SIDE VIEW



FRONT VIEW

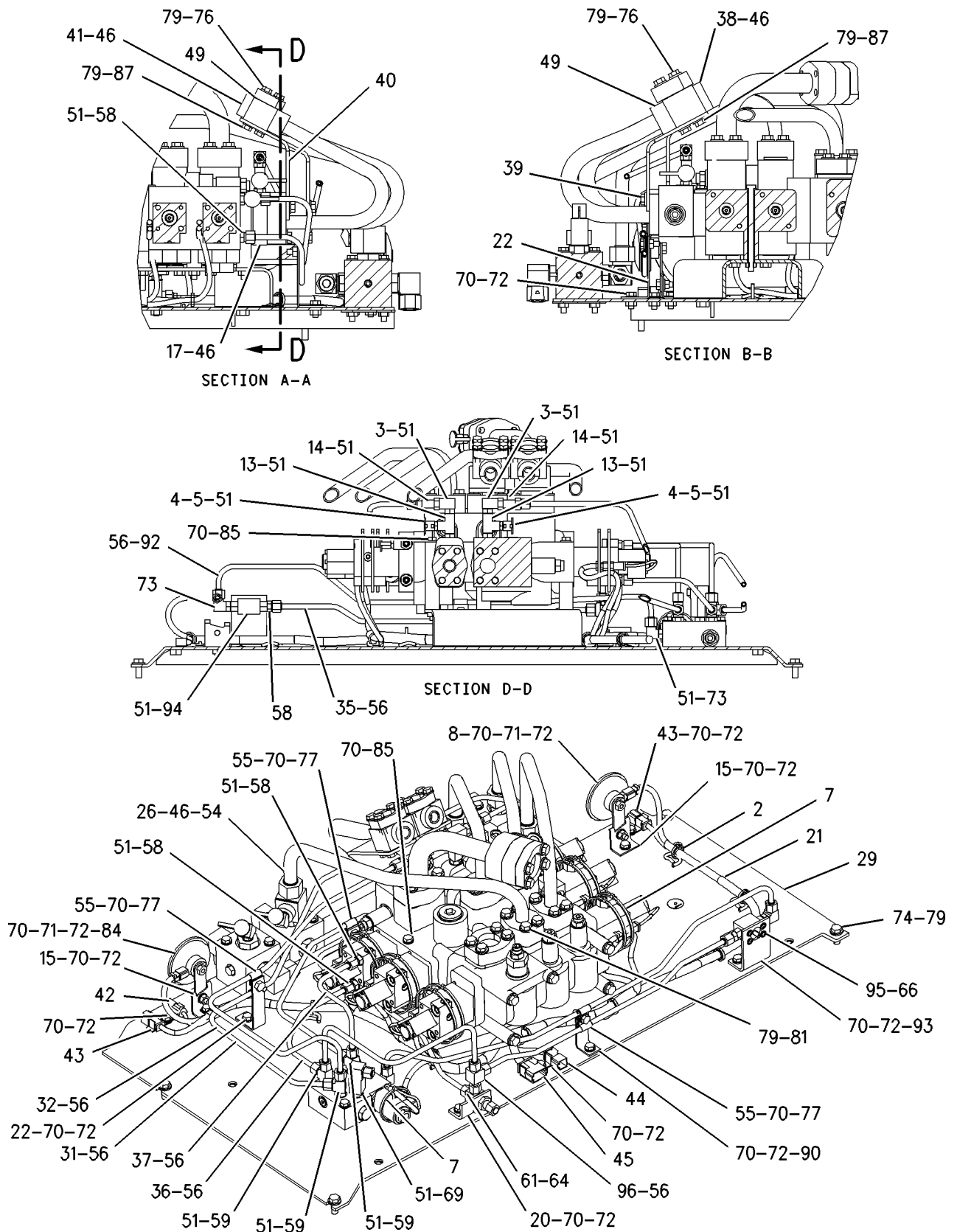
GRAPHIC #1

g00826112

HYDRAULIC SYSTEM

163-1045 VALVE & MTG GP-MAIN CONTROL (contd.)

i01627935



GRAPHIC #2

g00831626

HYDRAULIC SYSTEM

112-1817 VALVE GP-BALL

S/N: BPC1-UP

PART OF 163-1045 VALVE & MTG GP-MAIN CONTROL

SMCS-5001, 5130, 5147

i01530091

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
J	202-0671	1	VALVE GP -BALL						
			-OR-						
J	202-0673	1	VALVE GP -BALL						
			-OR-						
J	202-0674	1	VALVE GP -BALL						
			AVAILABLE REPAIR KIT(S) :						
J			KIT -SEAL						
J -KIT MARKED J SERVICES PARTS MARKED J									

HYDRAULIC SYSTEM

8J-5913 VALVE GP-CHECK

S/N: BPC1-UP

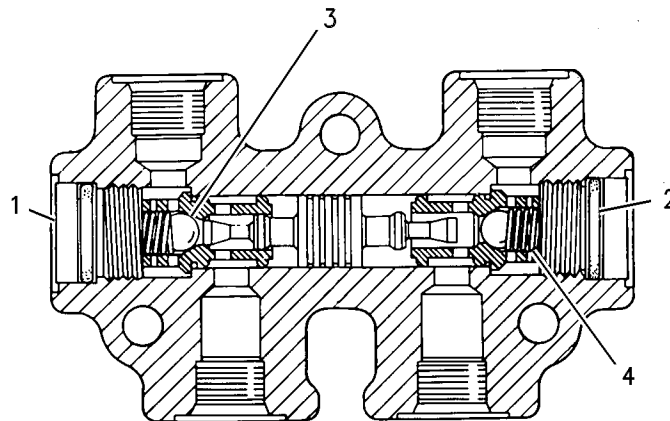
PILOT OPERATED

PART OF 142-6199 LINES GP-TILT & TIP CYLINDER

SMCS-5067

i01525311

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9J-0404	2	PLUG						
	2	1	7J-9933	2	SEAL-O-RING						
	3	1	9J-4871	2	BALL						
	4	1	9J-0403	2	SPRING						



GRAPHIC #1

g00114810

HYDRAULIC SYSTEM

163-0869 VALVE GP-COMBINATION-PILOT SUPPLY

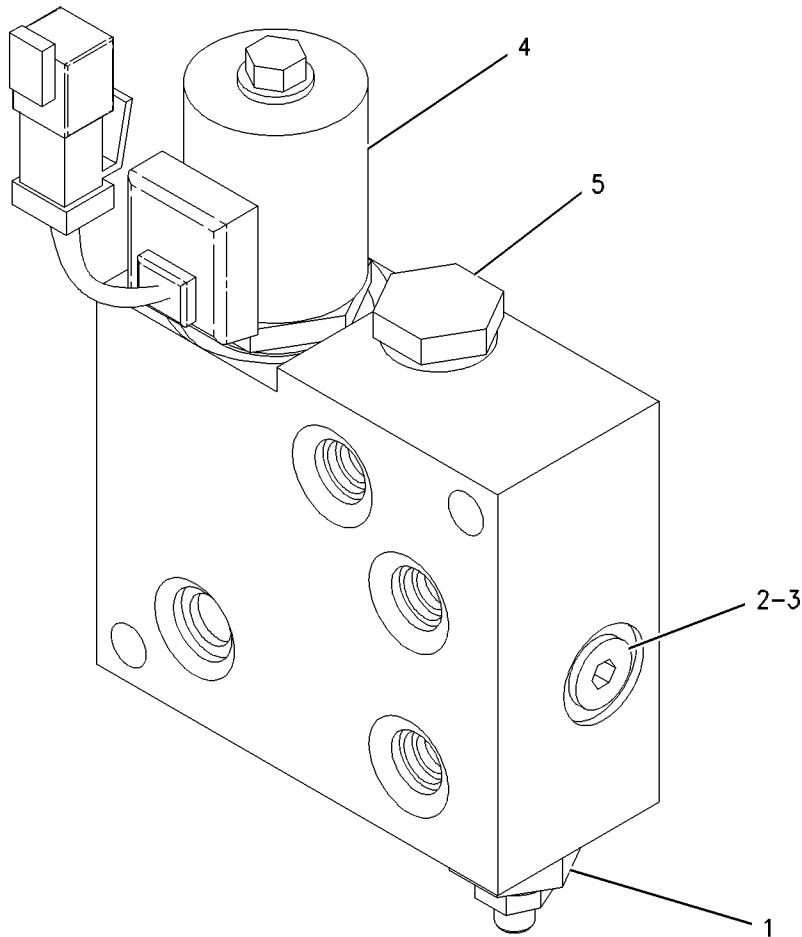
S/N: BPC1-UP

PART OF 163-1045 VALVE & MTG GP-MAIN CONTROL

SMCS-5064

i01156988

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	154-8871	1	VALVE GP-PRESSURE REDUCING						576
	2	1	9S-8004	2	PLUG-O-RING (9/16-18 THD)						
	3	1	3J-1907	2	SEAL-O-RING (11.89MM ID)						
Y	4	1	152-6761	1	VALVE GP-SOLENOID (PILOT PRESSURE SUPPLY)						581
Y	5	1	6E-3373	1	VALVE GP-SHUTTLE						580
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

g00620319

MEMORANDA

HYDRAULIC SYSTEM

192-0902 VALVE GP-MAIN CONTROL

S/N: BPC1-UP

THREE FUNCTION

PART OF 163-1045 VALVE & MTG GP-MAIN CONTROL

SMCS-5051

i01627936

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1U-0323	5	PLUG AS (EACH INCLUDES)	
		1	1U-0322	1	BEARING-SLEEVE	
	2	1	3G-4135	1	PLUG-O-RING	
	3	1	7J-7423	5	VALVE (MAKEUP)	
Y	4A	1	6E-5950	1	VALVE GP-RELIEF (LINE, TILT/TIP RH CYLINDER HEAD END PORT)	578
Y	4B	1	6E-5950	1	VALVE GP-RELIEF (LINE, TIP/TILT RH CYLINDER ROD END PORT)	578
Y	4C	1	6E-5950	1	VALVE GP-RELIEF (LINE, TIP LH CYLINDER ROD END PORT)	578
Y	5	2	141-5502	6	ACTUATOR GP-PILOT CONTROL	510
	6	1	7J-9933	1	SEAL-O-RING	
	7	1	162-0095	1	MANIFOLD	
	8	1	6E-6129	1	PLUG-MAIN RELIEF	
Y	14	1	192-0895	1	VALVE GP-RELIEF (MAIN)	579
	15	2	1H-1023	12	SEAL-O-RING	
	16	2	1P-3703	1	SEAL-RECTANGULAR	
	17	2	1P-3704	1	SEAL-RECTANGULAR	
	18	1	1P-4578	2	FLANGE-HALF	
	19	1	1P-5767	2	FLANGE-HALF	
	20	1	2M-9780	1	SEAL-O-RING	
	21	1	2S-4078	5	SEAL-O-RING	
	22	1	3J-1907	5	SEAL-O-RING	
	23	1,2	3J-7354	7	SEAL-O-RING	
	24	1,2	3K-0360	2	SEAL-O-RING	
	26	2	4D-3107	8	SEAL-O-RING	
	27	1,2	4J-0522	2	SEAL-O-RING	
	28	2	4J-0523	1	SEAL-O-RING	
Y	29	1	4T-7581	1	VALVE GP-RELIEF (LINE, LIFT CYLINDER ROD END PORT)	577
	30	1	5P-1076	5	WASHER-HARD (13.5X30X4MM THK)	
	31	1,2	5P-5874	6	SEAL-O-RING	
	32	1	7M-8485	1	SEAL-O-RING	
	33	1	7S-8491	5	SPRING	
M	34	1	7X-0457	4	BOLT (M8X1.25X130MM)	
M	35	1	7X-2538	8	BOLT (M8X1.25X100MM)	
M	36	1	7X-2550	4	BOLT (M12X1.75X110MM)	
M	37	1	7X-2551	5	BOLT (M12X1.75X200MM)	
M	38	1	8T-4194	4	BOLT (M12X1.75X50MM)	
	39	1	8T-4223	4	WASHER-HARD (13.5X25.5X3MM THK)	
	40	1	8T-7971	4	WASHER-HARD (13.5X25.5X5MM THK)	
	41	1,2	9S-4182	3	PLUG-O-RING	
	42	1	9S-8002	4	PLUG-O-RING	
	43	1	9S-8004	5	PLUG	
	44	2	9S-8005	1	PLUG-O-RING	
	45	1	9S-8006	1	PLUG	

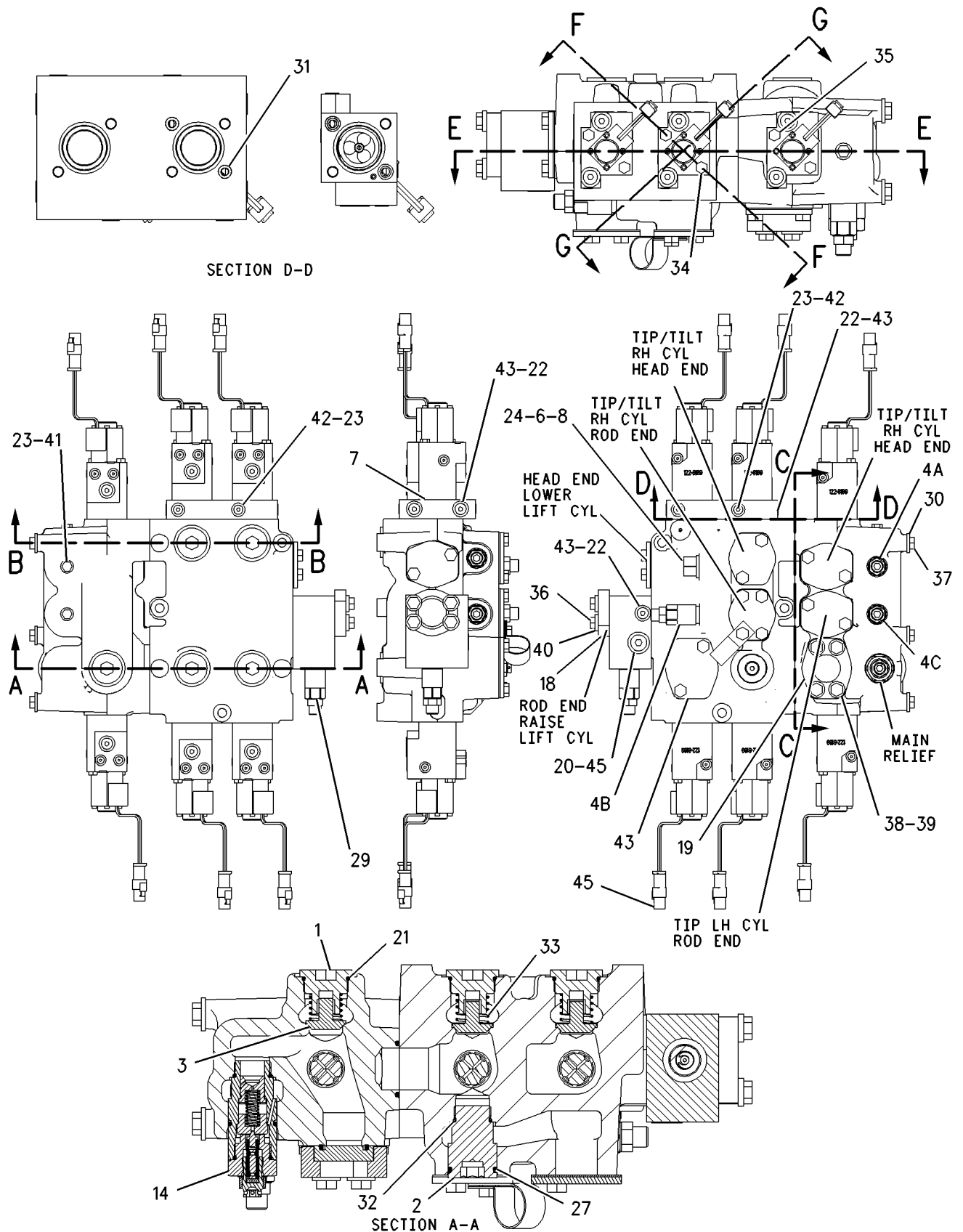
M-METRIC PART

Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

192-0902 VALVE GP-MAIN CONTROL (contd.)

i01627936



GRAPHIC #1

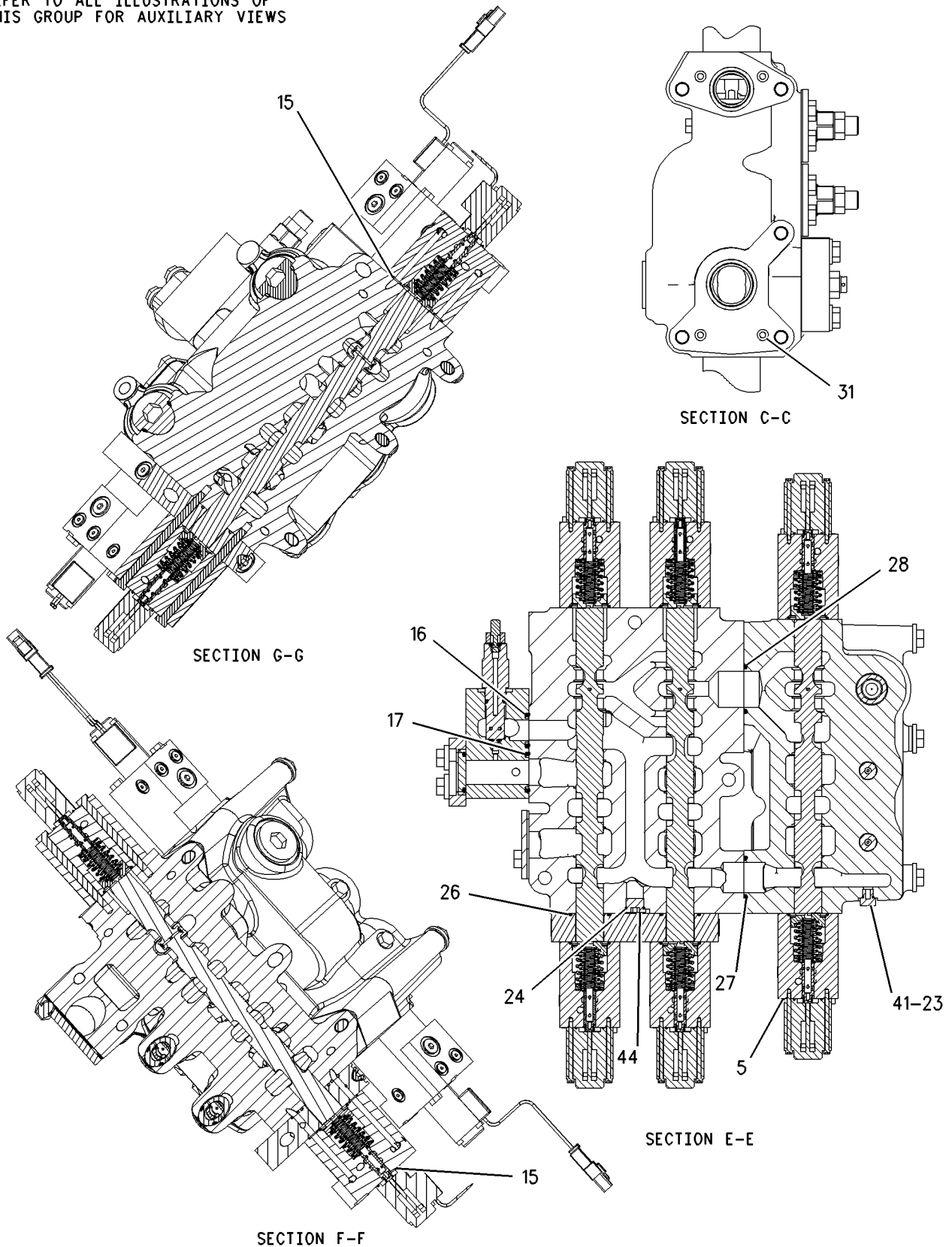
g00843529

HYDRAULIC SYSTEM

192-0902 VALVE GP-MAIN CONTROL (contd.)

101627936

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS



GRAPHIC #2

g00729736

MEMORANDA

HYDRAULIC SYSTEM

191-2929 VALVE GP-PRESS & FLOW CMPNSTR-HYDRAULIC FAN

S/N: BPC1-UP

PART OF 152-7767 PUMP GP-PISTON

SMCS-5086

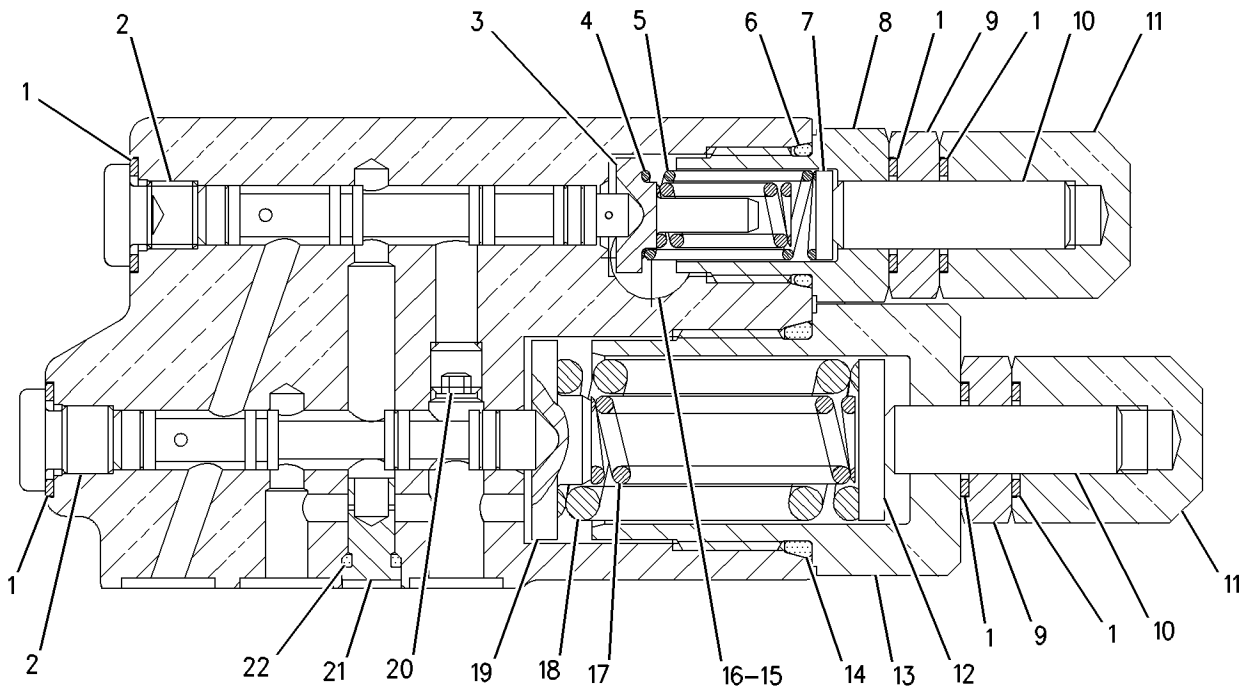
i01522792

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6E-6528	6	SEAL (9.3MM ID)						
	2	1	6E-6527	2	PLUG						
	3	1	6E-3268	1	RETAINER-SPRING						
	4	1	6E-3275	1	SPRING						
	5	1	6E-3274	1	SPRING						
	6	1	033-6043	1	SEAL-O-RING						
	7	1	6E-3272	1	SEAT						
	8	1	6E-6540	1	PLUG						
	9	1	6E-6538	2	NUT-ADJUSTMENT (M8X1 THD)						
	10	1	6E-6537	2	SCREW-ADJUSTMENT (M8X1X28MM)						
	11	1	6E-6539	2	NUT-CAP (M8X1 THD)						
	12	1	6E-3273	1	SEAT						
	13	1	6E-6536	1	PLUG						
	14	1	6V-8352	1	SEAL-O-RING						
	15	1	9S-8002	1	PLUG-O-RING						
	16	1	3J-7354	1	SEAL-O-RING						
	17	1	193-1036	1	SPRING						
	18	1	6E-3276	1	SPRING						
	19	1	6E-3269	1	RETAINER-SPRING						
	20	1	201-0780	1	ORIFICE						
	21	1	105-2145	1	VALVE-ORIFICE						
	22	1	5P-9262	1	SEAL-O-RING						

HYDRAULIC SYSTEM

191-2929 VALVE GP-PRESS & FLOW CMPNSTR (contd.)

i01522792



GRAPHIC #1

g00719835

HYDRAULIC SYSTEM

154-8871 VALVE GP-PRESSURE REDUCING

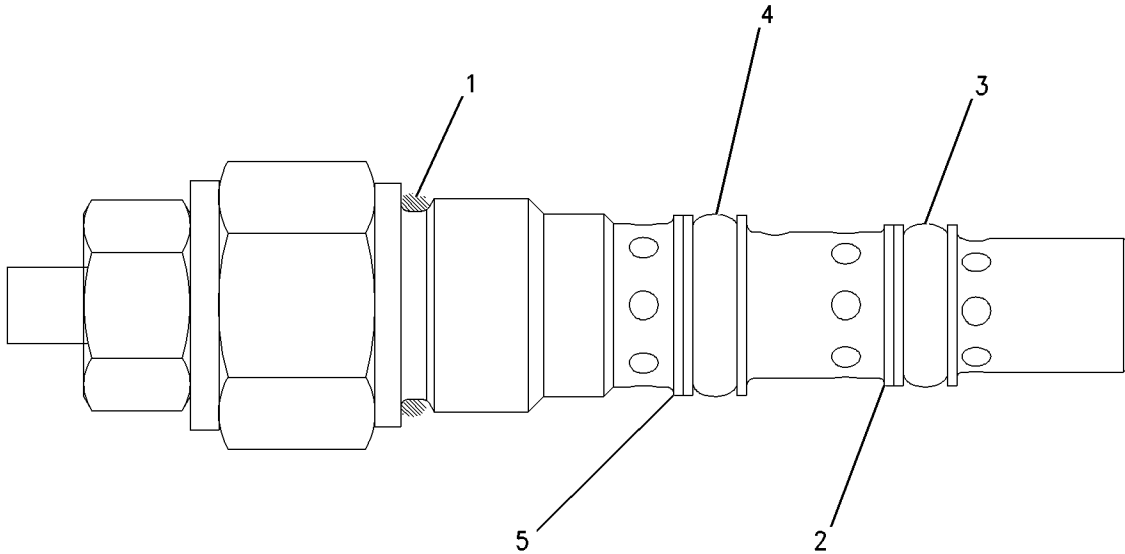
S/N: BPC1-UP

PART OF 163-0869 VALVE GP-COMBINATION

SMCS-5117

i01491580

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2M-9780	1	SEAL-O-RING						
	2	1	6V-3505	1	RING-BACKUP						
	3	1	8C-3132	1	SEAL-O-RING						
	4	1	6E-0410	1	SEAL-O-RING						
	5	1	5P-2199	1	RING-BACKUP						



GRAPHIC #1

g00774519

HYDRAULIC SYSTEM

4T-7581 VALVE GP-RELIEF-LINE

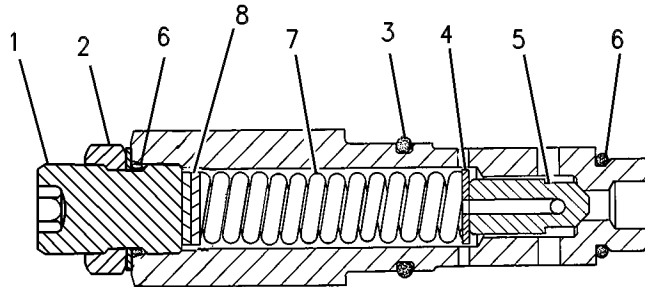
S/N: BPC1-UP

PART OF 192-0902 VALVE GP-MAIN CONTROL

SMCS-5069, 5117

i00173719

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	6E-1835	1	RETAINER AS						
C	2	1	9X-6395	1	NUT-ORFS (3/4-16 THD)						
	3	1	7J-9933	1	SEAL-O-RING (21.89MM ID)						
	4	1	4T-7571	1	PLATE						
	5	1	6J-6439	1	VALVE						
	6	1	3K-0360	2	SEAL-O-RING (16.36MM ID)						
	7	1	4T-4942	1	SPRING						
	8	1	9M-1974	2	WASHER-HARD (2MM THK)						
C-CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

g00121410

HYDRAULIC SYSTEM

6E-5950 VALVE GP-RELIEF-LINE

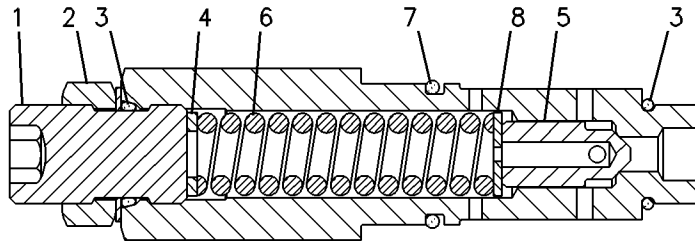
S/N: BPC1-UP

PART OF 192-0902 VALVE GP-MAIN CONTROL

SMCS-5069, 5117

i00842204

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6E-1835	1	RETAINER AS						
	2	1	9X-6395	1	NUT-ORFS (3/4-16 THD)						
	3	1	3K-0360	2	SEAL-O-RING (16.36MM ID)						
	4	1	8T-4224	1	WASHER-HARD (2MM THK)						
	5	1	6J-6439	1	VALVE						
	6	1	4T-4942	1	SPRING						
	7	1	7J-9933	1	SEAL-O-RING (21.89MM ID)						
	8	1	4T-7571	1	PLATE						



GRAPHIC #1

g00127863

HYDRAULIC SYSTEM

192-0895 VALVE GP-RELIEF-MAIN

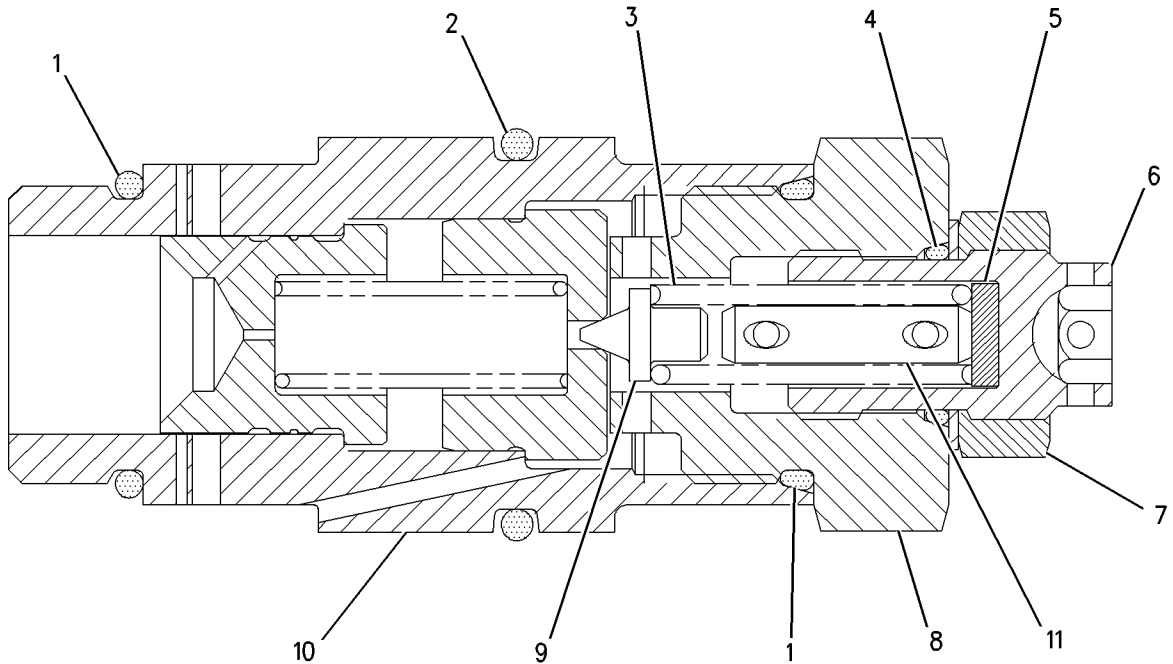
S/N: BPC1-UP

PART OF 192-0902 VALVE GP-MAIN CONTROL

SMCS-5069, 5117

i01379084

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7M-8485	2	SEAL-O-RING (29.74MM ID)						
	2	1	4J-0522	1	SEAL-O-RING (37.69MM ID)						
	3	1	4T-2770	1	SPRING						
	4	1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
	5	1	4Y-5812	1	PLATE						
	6	1	6E-5510	1	RETAINER AS						
	7	1	9X-6395	1	NUT-ORFS (3/4-16 THD)						
	8	1	6E-1127	1	CAP						
	9	1	8J-0331	1	VALVE						
	10	1	6E-6138	1	VALVE GP-RELIEF						
		1	8H-3532	1	SPRING-VALVE						
	11	1	7B-5684	1	PIN						



GRAPHIC #1

g00728604

HYDRAULIC SYSTEM

6E-3373 VALVE GP-SHUTTLE

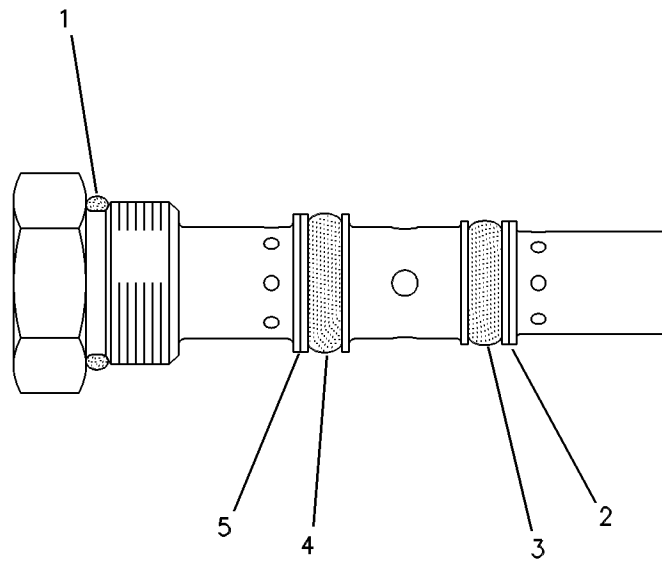
S/N: BPC1-UP

PART OF 163-0869 VALVE GP-COMBINATION

SMCS-5079

i01565497

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2M-9780	1	SEAL-O-RING						
	2	1	6V-3505	1	RING-BACKUP						
	3	1	8C-3132	1	SEAL-O-RING						
	4	1	6E-0410	1	SEAL-O-RING						
	5	1	5P-2199	1	RING-BACKUP						



GRAPHIC #1

g00121060

HYDRAULIC SYSTEM

152-6761 VALVE GP-SOLENOID-PILOT PRESSURE SUPPLY

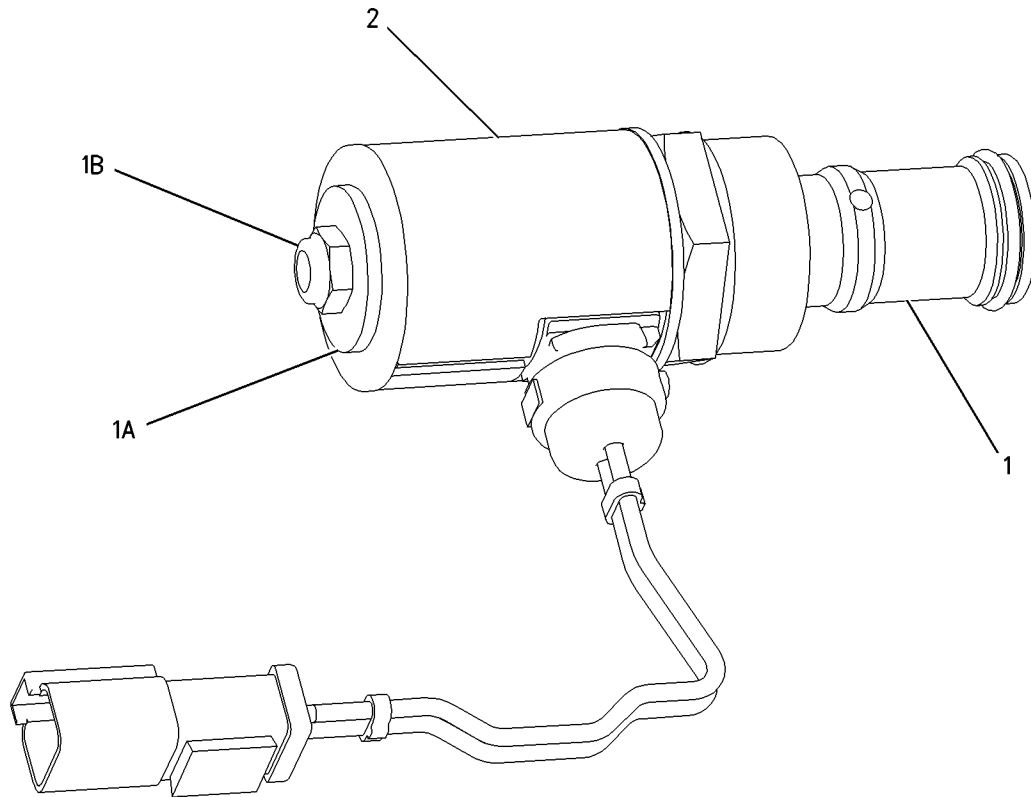
S/N: BPC1-UP

PART OF 163-0869 VALVE GP-COMBINATION

SMCS-4805, 5132, 5479

i01605797

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	152-6760	1	CARTRIDGE AS						
	1A	1	8C-9987	1	WASHER (8.3X28X2.5MM THK)						
	1B	1	111-0343	1	LOCKNUT (5/16-18 THD)						
	2	1	189-0189	1	COIL AS						
AVAILABLE REPAIR KIT(S):											
			3G-8175	1	KIT-SEAL (PILOT PRESSURE SOLENOID VALVE)						
(INCLUDES O-RINGS & BACK-UP RING)											



GRAPHIC #1

g00832156

IMPLEMENTS

147-1797 BULLDOZER AR-STRAIGHT-STRAIGHT BLADE

S/N: BPC1-UP
AN ATTACHMENT

SMCS-6050, 6051

i01418492

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	132-6855	1	BLADE GP-STRAIGHT						593
Y	192-5902	1	CYLINDER GP-LIFT						518
Y	151-5171	1	CYLINDER GP-TILT & TIP						522
Y	140-7425	1	CYLINDER GP-TILT & TIP						520
Y	174-5434	1	LINES GP-LIFT CYLINDER						542
Y	152-0602	1	LINES GP-TILT CYLINDER						548
Y	151-1185	1	PIN GP-BULLDOZER						585
Y	152-5041	1	PIN GP-BULLDOZER						586
Y	151-1184	1	PIN GP-CYLINDER						587
Y	133-4229	1	PUSH ARM GP						589
Y	133-4228	1	PUSH ARM GP						588
Y	151-5851	1	STABILIZER GP-BULLDOZER						590
Y	133-2203	1	TRUNNION GP-BULLDOZER						592

Y- SEPARATE ILLUSTRATION

IMPLEMENTS

147-1798 BULLDOZER AR-UNIVERSAL—UNIVERSAL ROCK BLADE

S/N: BPC1-UP

AN ATTACHMENT

SMCS-6053

i01418495

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	136-5678	1	BLADE GP-UNIVERSAL						594
Y	192-5902	1	CYLINDER GP-LIFT						518
Y	140-7425	1	CYLINDER GP-TILT & TIP						520
Y	151-5171	1	CYLINDER GP-TILT & TIP						522
Y	174-5434	1	LINES GP-LIFT CYLINDER						542
Y	152-0602	1	LINES GP-TILT CYLINDER						548
Y	151-1185	1	PIN GP-BULLDOZER						585
Y	152-5041	1	PIN GP-BULLDOZER						586
Y	151-1184	1	PIN GP-CYLINDER						587
Y	101-3083	1	PROTECTOR GP-SIDE BAR						597
Y	133-4229	1	PUSH ARM GP						589
Y	133-4228	1	PUSH ARM GP						588
Y	151-5851	1	STABILIZER GP-BULLDOZER						590
Y	133-2203	1	TRUNNION GP-BULLDOZER						592

Y-SEPARATE ILLUSTRATION

IMPLEMENTS

147-1799 BULLDOZER AR-WITHOUT BLADE

S/N: BPC1-UP
FOR USE WITH AEM BLADES
AN ATTACHMENT

SMCS-6050

i01418500

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	192-5902	1	CYLINDER GP-LIFT						518
Y	140-7425	1	CYLINDER GP-TILT & TIP						520
Y	151-5171	1	CYLINDER GP-TILT & TIP						522
Y	174-5434	1	LINES GP-LIFT CYLINDER						542
Y	152-0602	1	LINES GP-TILT CYLINDER						548
Y	151-1185	1	PIN GP-BULLDOZER						585
Y	152-5041	1	PIN GP-BULLDOZER						586
Y	151-1184	1	PIN GP-CYLINDER						587
Y	133-4229	1	PUSH ARM GP						589
Y	133-4228	1	PUSH ARM GP						588
Y	151-5851	1	STABILIZER GP-BULLDOZER						590
Y	133-2203	1	TRUNNION GP-BULLDOZER						592

Y-SEPARATE ILLUSTRATION

IMPLEMENTS

151-1185 PIN GP-BULLDOZER

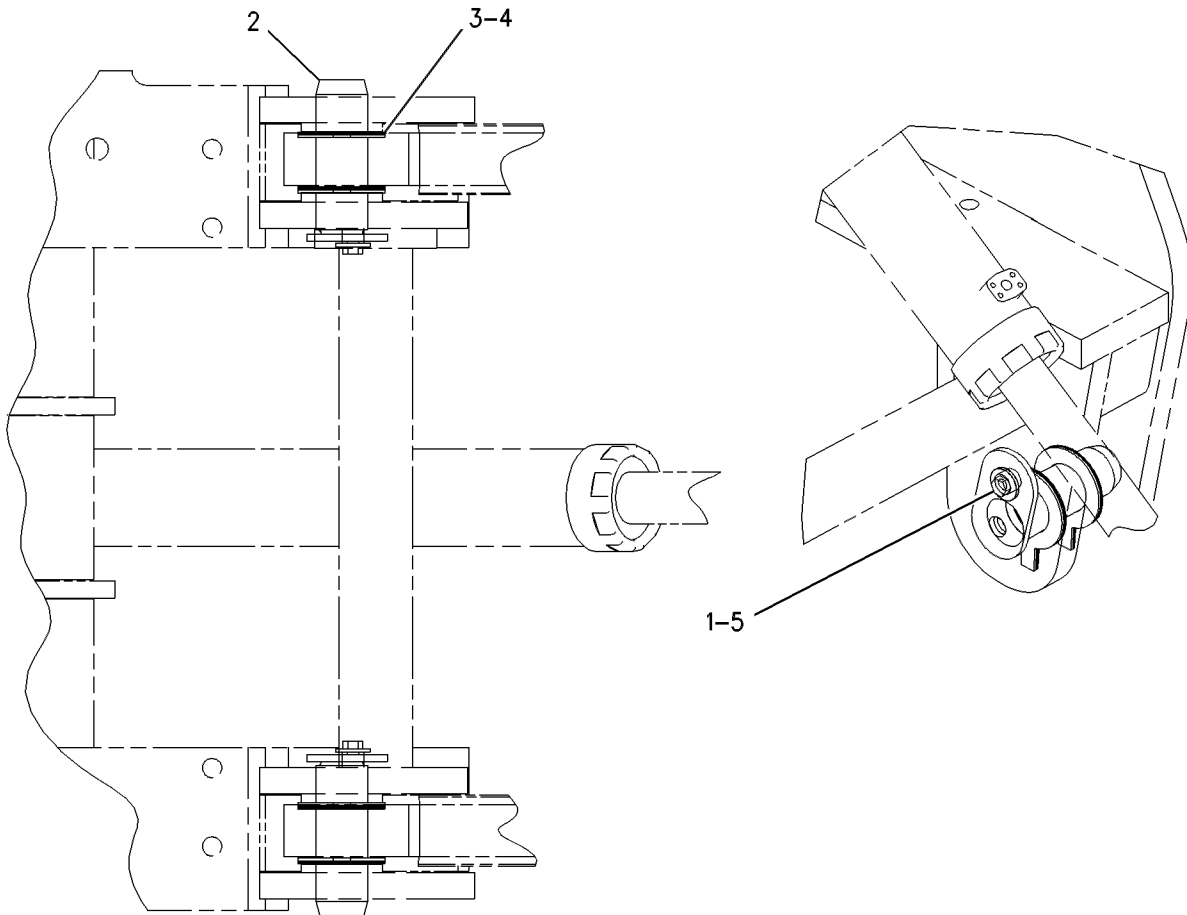
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PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-6065, 6066

i01500271

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	093-0349	2	WASHER (6.0MM THK)						
	2	1	150-9632	2	PIN AS						
	3	1	151-2413	4	SPACER						
	4	1	151-2414	14	SPACER						
M	5	1	8T-4780	2	BOLT (M20X2.5X30MM)						
M-METRIC PART											



GRAPHIC #1

g00511598

IMPLEMENTS

152-5041 PIN GP-BULLDOZER

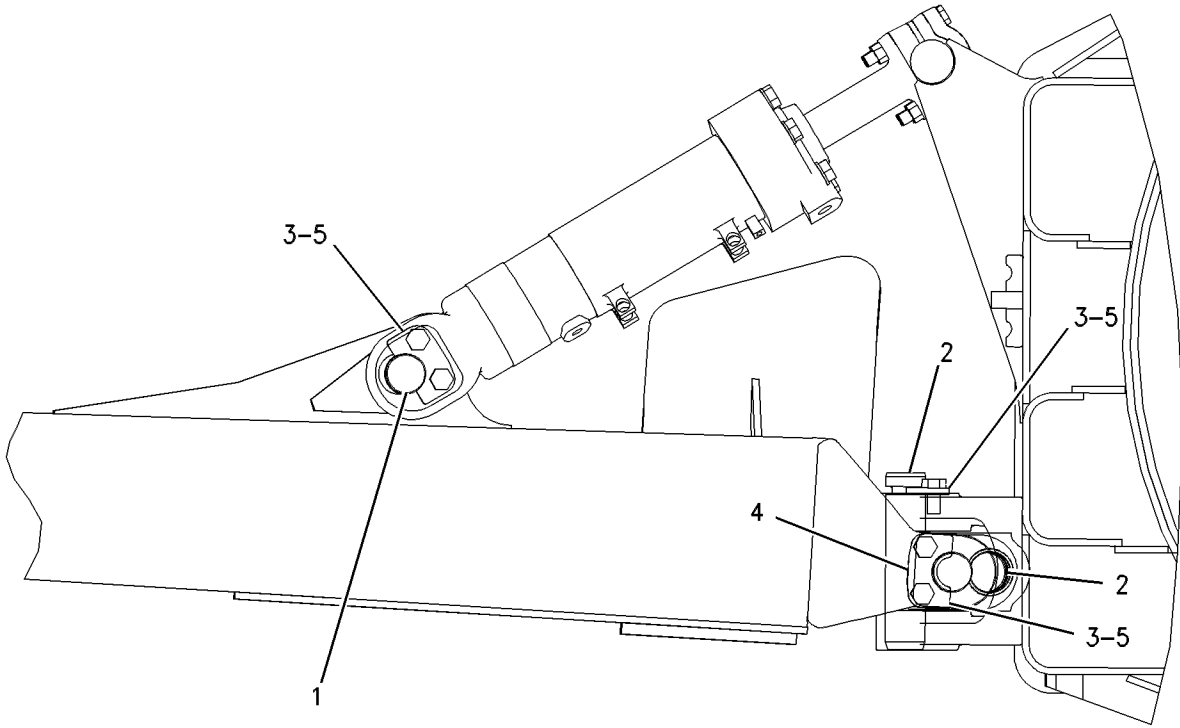
S/N: BPC1-UP

PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-6065, 6066

i01024662

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3G-7016	2	PIN						
	2	1	4T-7534	4	PIN						
	3	1	6J-5179	6	RETAINER						
	4	1	8E-6758	2	CONNECTOR AS						
					(EACH INCLUDES)						
		1	8E-6752	4	BEARING-SLEEVE						
M	5	1	7X-2574	12	BOLT						
M-METRIC PART											



GRAPHIC #1

g00521533

IMPLEMENTS

151-1184 PIN GP-CYLINDER

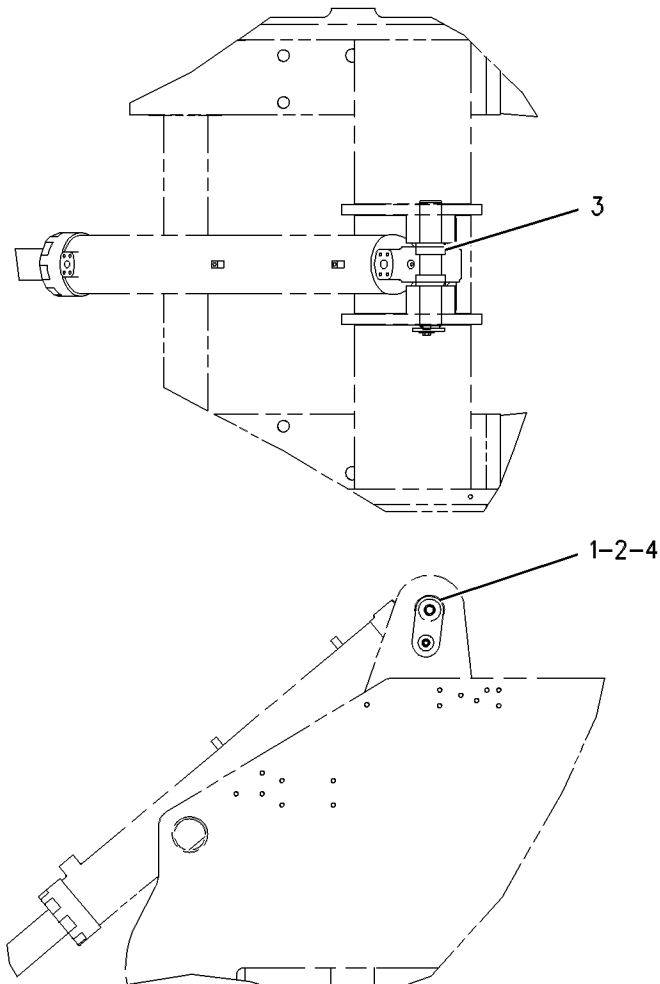
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PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-6068

i00967195

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	134-0165	1	WASHER	
	2	1	150-6783	1	PIN AS	
	3	1	160-5189	2	SPACER	
M	4	1	7X-2548	1	BOLT (M12X1.75X16MM)	
M-METRIC PART						



GRAPHIC #1

g00511586

IMPLEMENTS

133-4228 PUSH ARM GP-RH

S/N: BPC1-UP

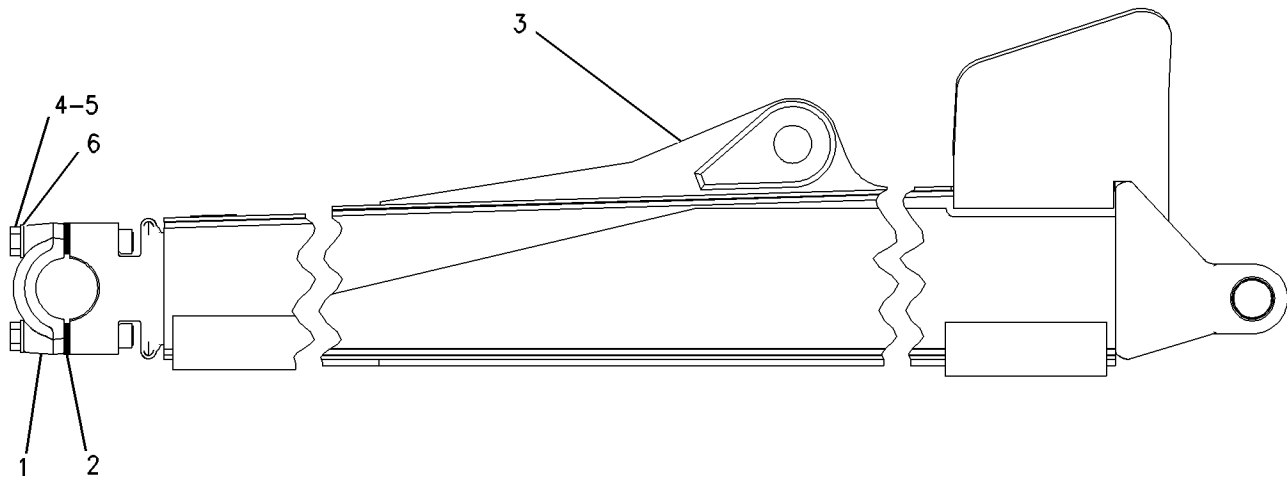
PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-6061

i01421600

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	193-3063	1	CAP-BEARING	
B	2	1	9W-7602	26	SHIM (.8MM THK)	
	3	1	133-4226	1	ARM AS-PUSH	
	4	1	195-6283	2	NUT-SQUARE	
M	5	1	3E-9850	2	BOLT (M30X3.5X220MM THD)	
	6	1	9X-8258	2	WASHER (33X56X6MM THK)	

B-USE AS REQUIRED
M-METRIC PART



GRAPHIC #1

g00745722

IMPLEMENTS

133-4229 PUSH ARM GP-LH

S/N: BPC1-UP

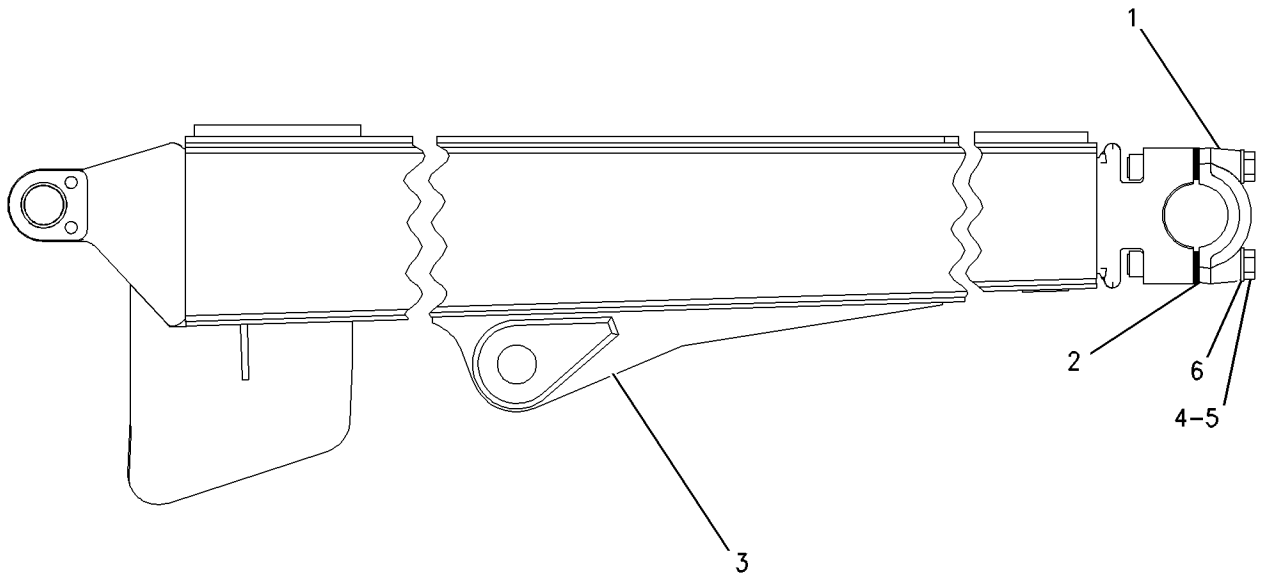
PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-6061

i01421618

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	193-3063	1	CAP-BEARING	
B	2	1	9W-7602	26	SHIM (.8MM THK)	
	3	1	133-4227	1	ARM AS-PUSH	
	4	1	195-6283	2	NUT-SQUARE	
M	5	1	3E-9850	2	BOLT (M30X3.5X220MM THD)	
	6	1	9X-8258	2	WASHER (33X56X6MM THK)	

B-USE AS REQUIRED
M-METRIC PART



GRAPHIC #1

g00745751

IMPLEMENTS

151-5851 STABILIZER GP-BULLDOZER

S/N: BPC1-UP

PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-6156

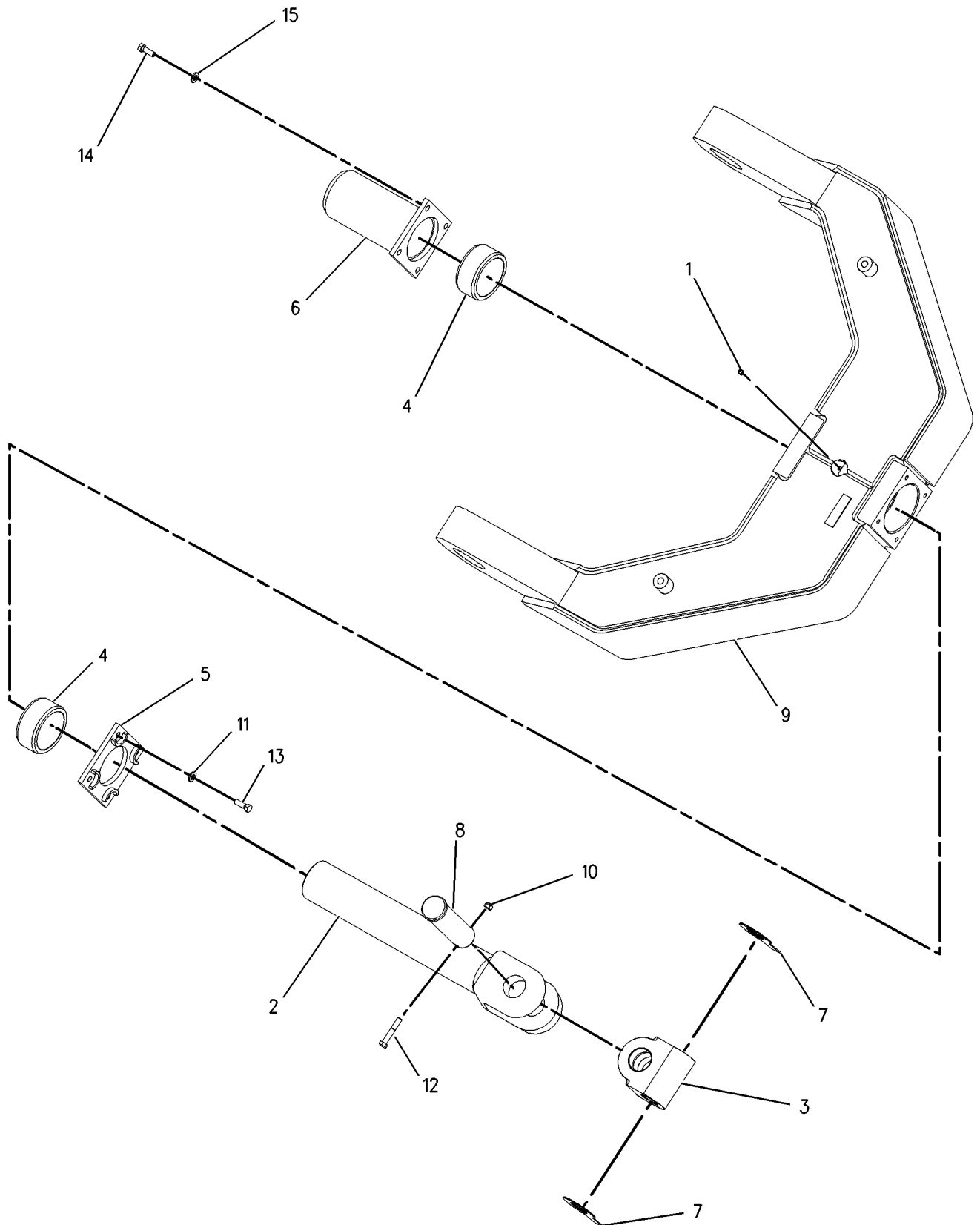
i01287021

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3B-8489	1	FITTING-GREASE (1/8-27 THD)	
	2	1	4T-0589	1	SLIDER	
	3	1	6J-3999	1	CONNECTOR	
	4	1	9J-1555	2	BEARING-SLEEVE	
	5	1	9J-1557	1	RETAINER AS	
	6	1	185-3969	1	COVER AS	
	7	1	131-3445	4	SPACER	
	8	1	141-1221	1	PIN	
	9	1	151-5747	1	STABILIZER AS	
		1	8P-9770	1	PLATE	
M	10	1	6V-7687	1	LOCKNUT (M12X1.75 THD)	
	11	1	8T-4223	4	WASHER-HARD (3MM THK)	
M	12	1	8T-4648	1	BOLT (M12X1.75X70MM)	
M	13	1	8T-4956	4	BOLT (M12X1.75X35MM)	
M	14	1	8T-5460	4	BOLT (M20X2.5X40MM)	
	15	1	8T-4123	4	WASHER-PLATED (3.5MM THK)	
M-METRIC PART						

IMPLEMENTS

151-5851 STABILIZER GP-BULLDOZER (contd.)

i01287021



GRAPHIC #1

g00682080

IMPLEMENTS

133-2203 TRUNNION GP-BULLDOZER

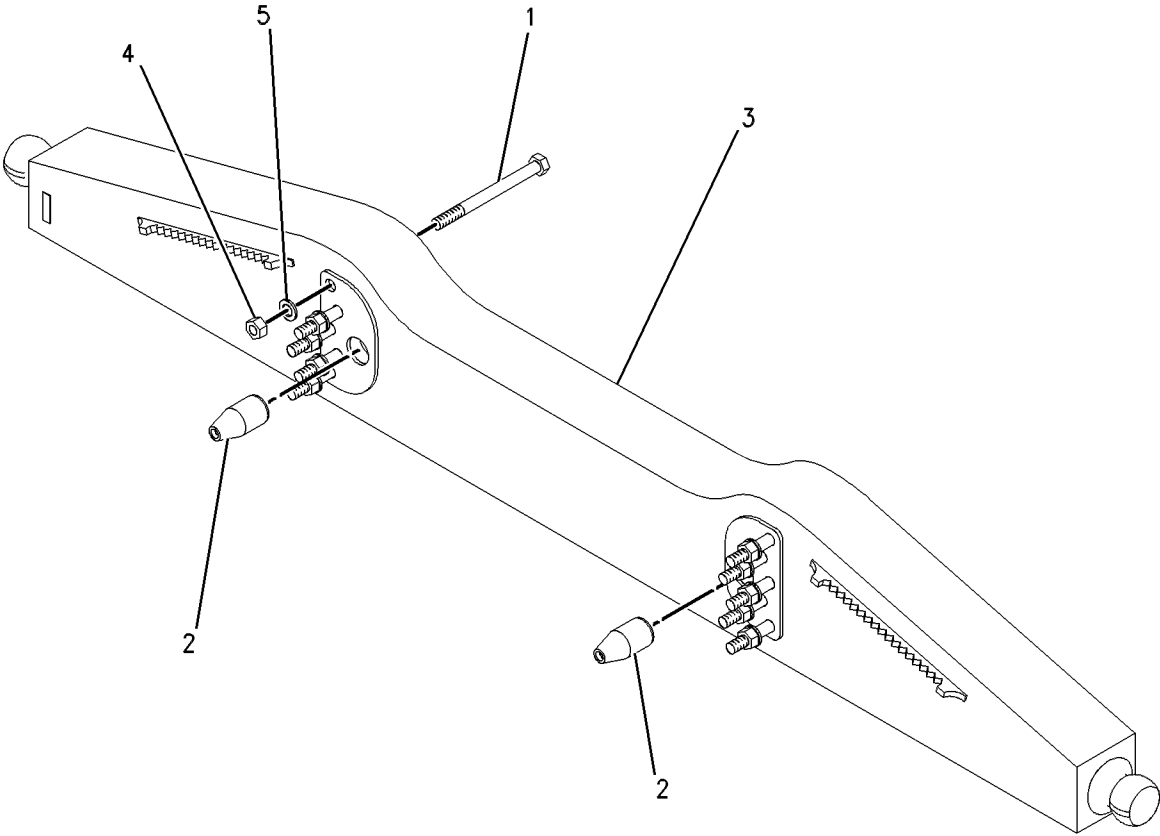
S/N: BPC1-UP

PART OF 147-1797 BULLDOZER AR-STRAIGHT, 147-1798 BULLDOZER AR-UNIVERSAL,
147-1799 BULLDOZER AR-WITHOUT BLADE
AN ATTACHMENT

SMCS-6069

i00979172

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	3E-8036	10	BOLT						
	2	1	5M-6214	2	PLUG-PIPE (1/8-27 THD)						
	3	1	133-2202	1	SUPPORT AS-TRUNNION						
M	4	1	8C-8722	10	NUT (M30X3.50 THD)						
	5	1	9X-8258	10	WASHER (6MM THK)						
M-METRIC PART											



GRAPHIC #1

g00515334

WORK TOOLS

132-6855 BLADE GP-STRAIGHT

S/N: BPC1-UP

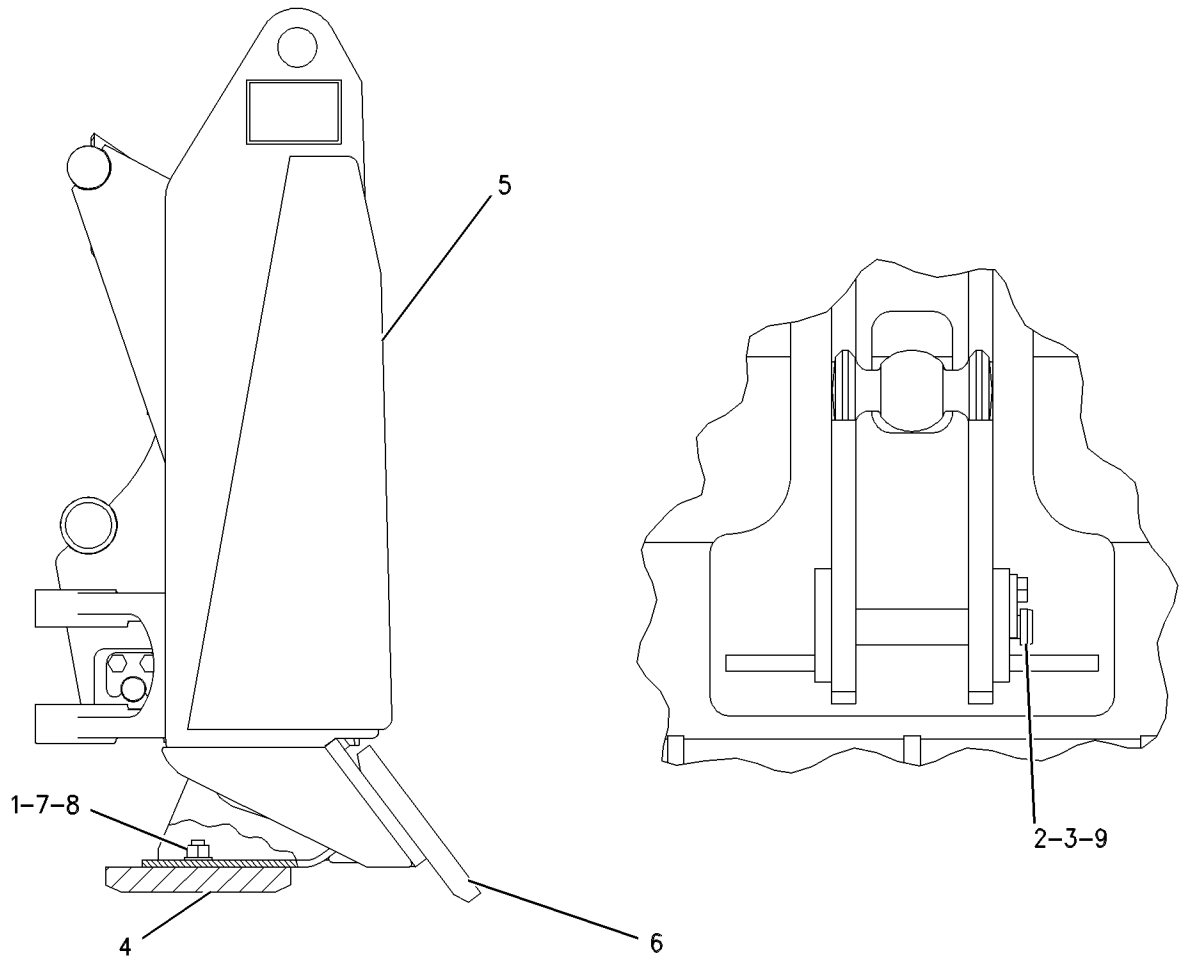
PART OF 147-1797 BULLDOZER AR-STRAIGHT
AN ATTACHMENT

SMCS-6051

i00979168

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1J-5607	8	BOLT-PLOW	
	2	1	6J-6604	1	PIN	
	3	1	6J-8570	1	RETAINER	
	4	1	100-6356	2	PLATE-WEAR	
	5	1	132-6848	1	BLADE AS	
Y	6	1	143-9019	1	EDGE GP-CUTTING	595
	7	1	2J-3507	8	NUT-FULL (1-8 THD)	
	8	1	5P-8250	8	WASHER (5.0MM THK)	
M	9	1	8T-5460	2	BOLT (M20X2.5X40MM)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00512462

WORK TOOLS

136-5678 BLADE GP-UNIVERSAL

S/N: BPC1-UP

PART OF 147-1798 BULLDOZER AR-UNIVERSAL
AN ATTACHMENT

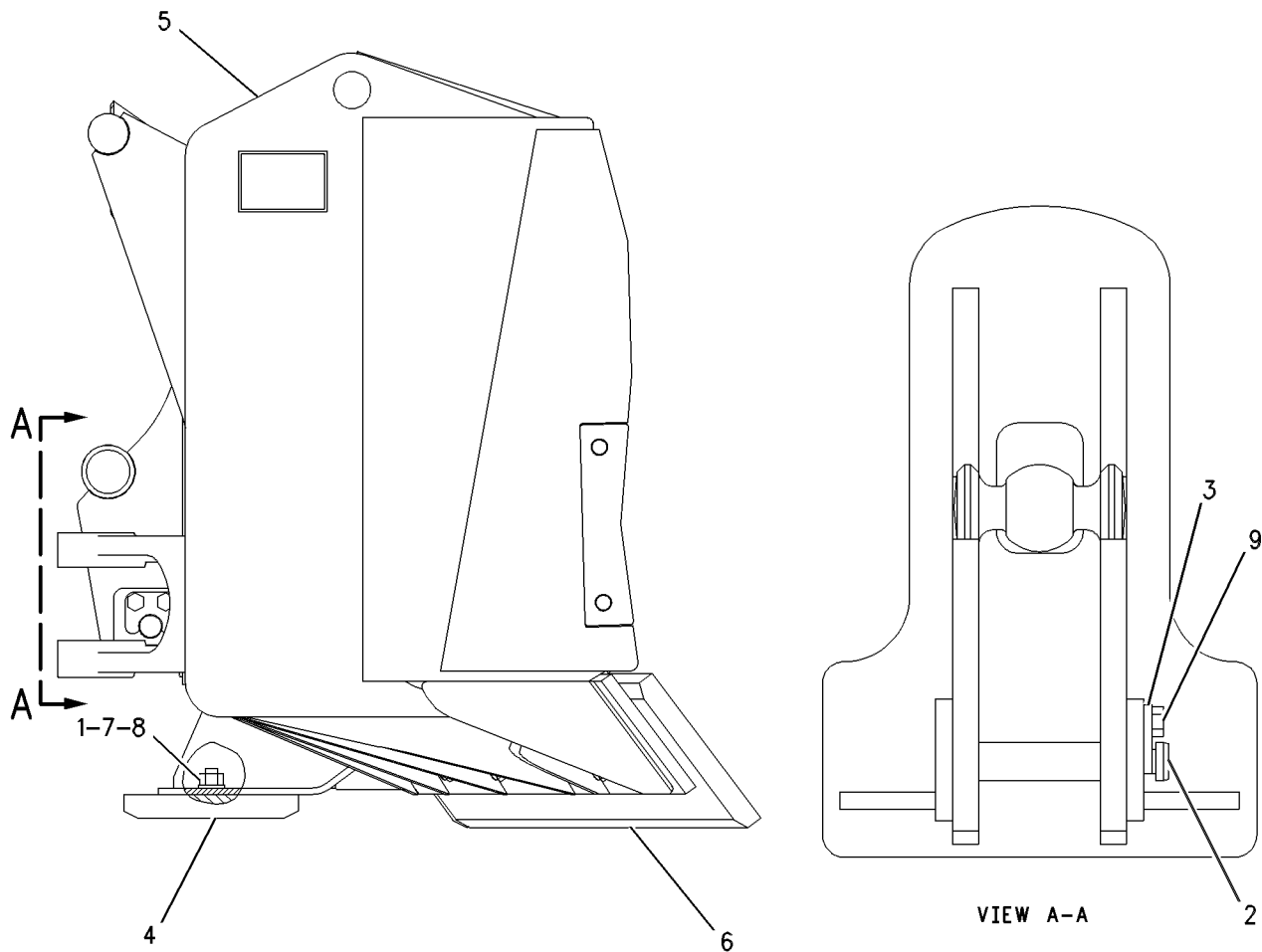
SMCS-6053, 6060

i01286957

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	6F-0196	14	BOLT-PLOW (7/8-9X2.75IN)	
	2	1	6J-6604	1	PIN	
	3	1	6J-8570	1	RETAINER	
	4	1	185-6509	2	SOLE	
	5	1	136-5677	1	BLADE AS	
Y	6	1	151-7478	1	EDGE GP-CUTTING	596
	7	1	2J-3505	14	NUT-FULL (7/8-9 THD)	
	8	1	5P-8249	14	WASHER-HARD (4.0MM THK)	
M	9	1	8T-5460	2	BOLT (M20X2.5X40MM)	

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00512504

WORK TOOLS

143-9019 EDGE GP-CUTTING

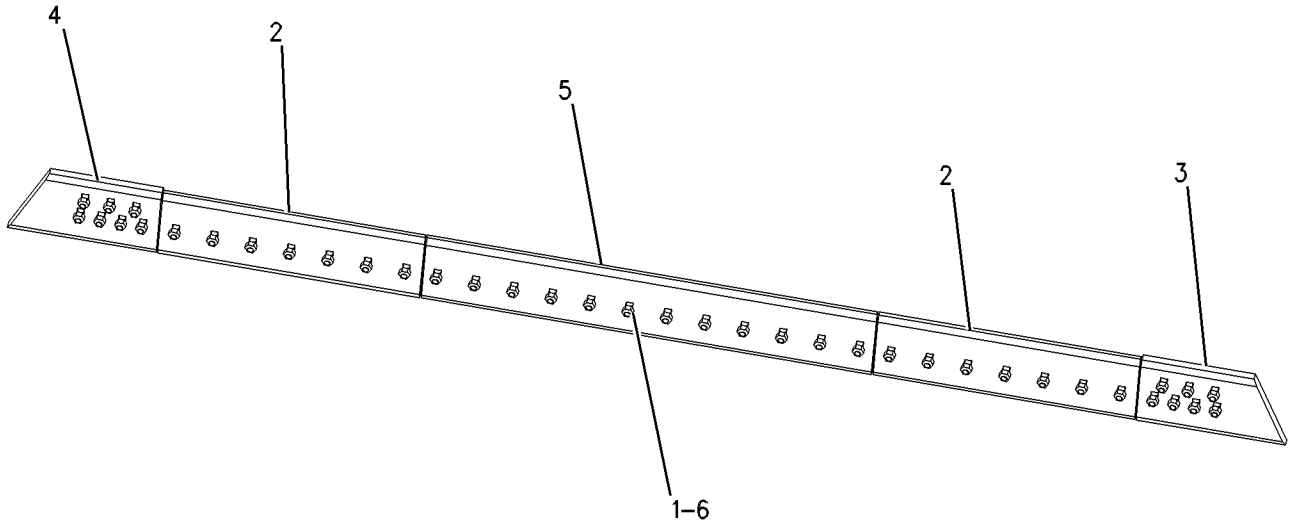
S/N: BPC1-UP

PART OF 132-6855 BLADE GP-STRAIGHT
AN ATTACHMENT

SMCS-6801

i00979169

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4F-4042	40	BOLT-PLOW						
	2	1	4T-6386	2	EDGE-CUTTING						
	3	1	6Y-4277	1	BIT-END-RH						
	4	1	6Y-4278	1	BIT-END-LH						
	5	1	6Y-5539	1	EDGE-CUTTING						
	6	1	2J-3507	40	NUT-FULL (1-8 THD)						



GRAPHIC #1

g00521048

WORK TOOLS

151-7478 EDGE GP-CUTTING

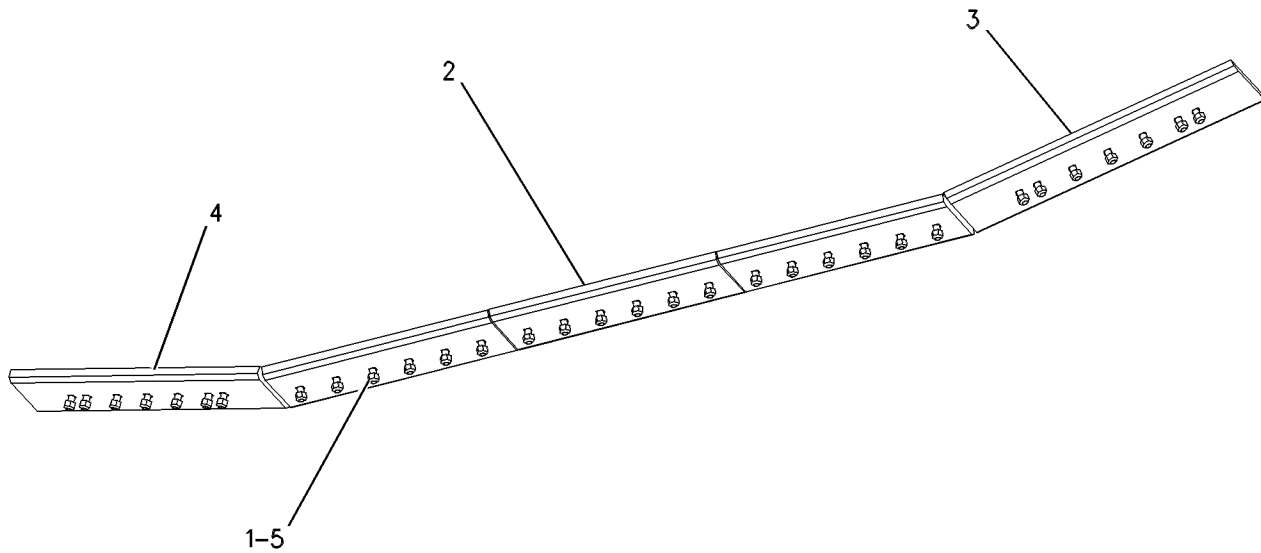
S/N: BPC1-UP

PART OF 136-5678 BLADE GP-UNIVERSAL
AN ATTACHMENT

SMCS-6801

i00979743

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4F-4042	32	BOLT-PLOW						
	2	1	7J-2960	3	EDGE-CUTTING						
	3	1	151-7476	1	EDGE-CUTTING						
	4	1	151-7477	1	EDGE-CUTTING						
	5	1	2J-3507	32	NUT-FULL (1-8 THD)						



GRAPHIC #1

g00521045

WORK TOOLS

101-3083 PROTECTOR GP-SIDE BAR

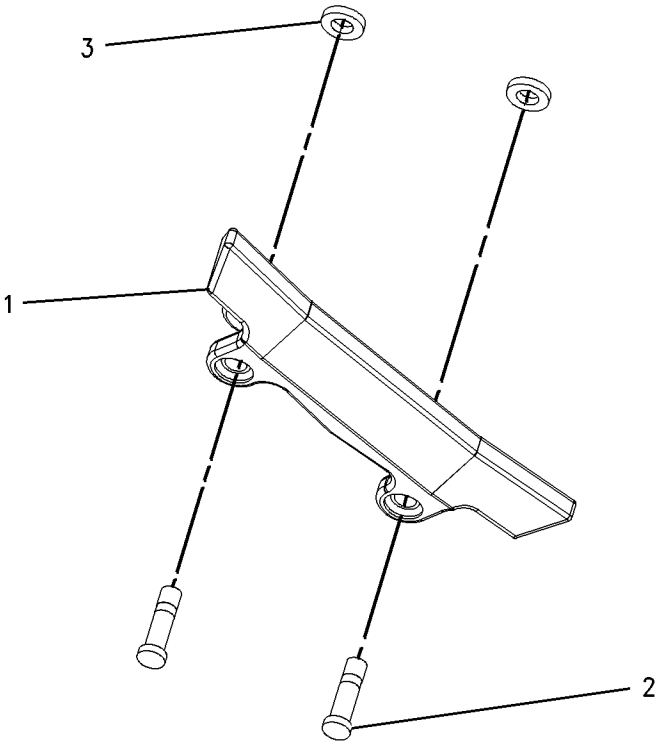
S/N: BPC1-UP

PART OF 147-1798 BULLDOZER AR-UNIVERSAL
FOR USE WITH 50MM (1.9 IN) THICK BUCKET SIDEBAR
AN ATTACHMENT

SMCS-6805, 6822

i01438082

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1U-0740	2	BIT-ROUTER						
	2	1	133-0738	4	PIN-G.E.T.						
	3	1	107-8559	4	RETAINER AS-G.E.T.						



GRAPHIC #1

g00753388

OPERATOR STATION

147-3120 AIR CONDITIONER & MOUNTING GP

S/N: BPC1-UP

PART OF 202-9743 CAB AR

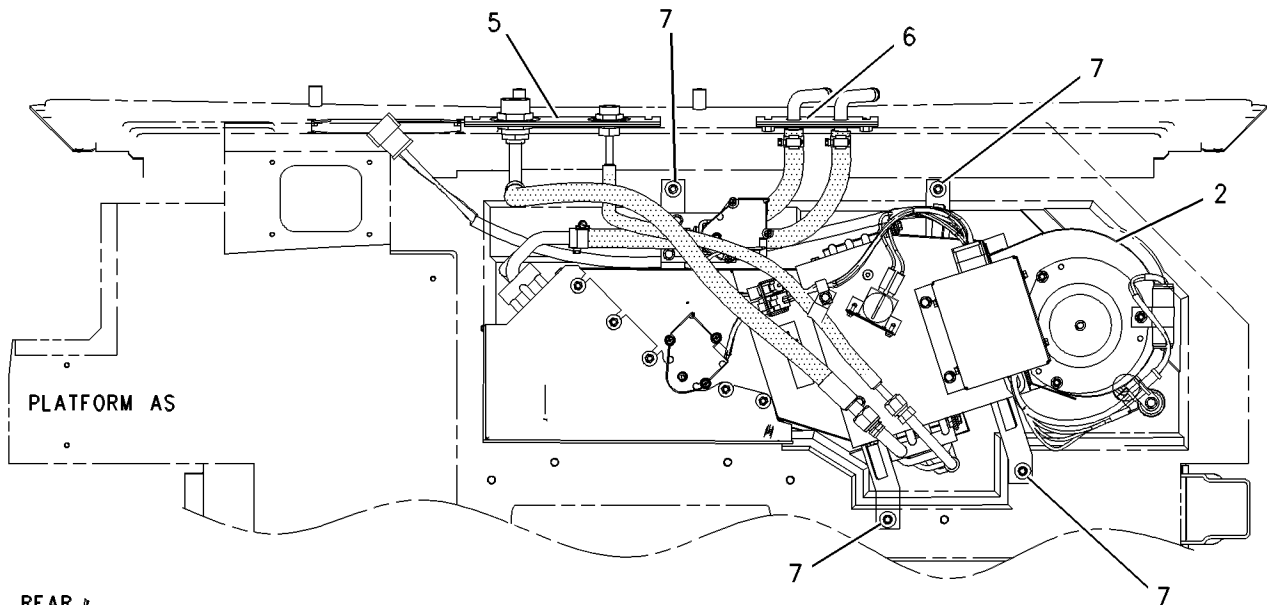
SMCS-7320

i01312923

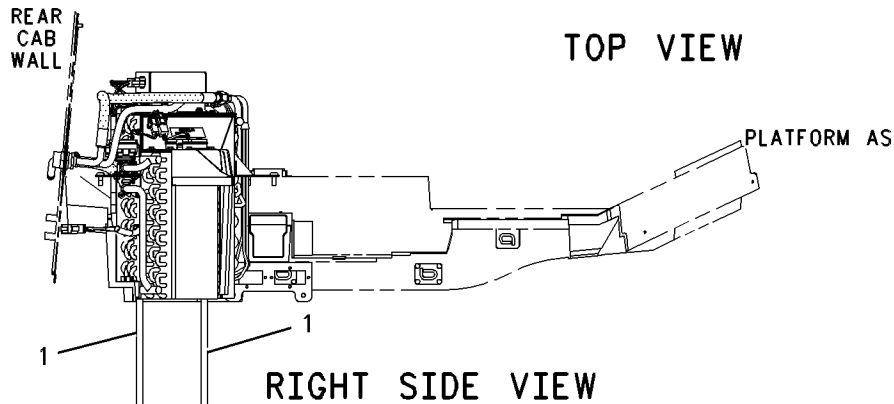
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-8117	2	TUBE AS						
Y	2	1	115-0627	1	AIR CONDITIONER GP						600
Y	5	1	131-1274	1	LINES GP-AIR CONDITIONER						631
Y	6	1	162-5812	1	LINES GP-HEATER						634
M	7	1	9X-2040	4	SCREW-TRUSS HEAD (M10X1.5X25MM)						

M-METRIC PART

Y-SEPARATE ILLUSTRATION



TOP VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00627881

MEMORANDA

OPERATOR STATION

115-0627 AIR CONDITIONER GP

S/N: BPC1-UP

PART OF 147-3120 AIR CONDITIONER & MOUNTING GP

SMCS-7320

i01605062

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	2V-3216	1	CLIP	
	2	1	3B-4501	2	LOCKWASHER (#8)	
	3	1	3E-0400	2	WHEEL-BLOWER	
	4	1	3E-5464	1	SWITCH AS-THERMOSTAT (REFRIGERANT)	
	5	1	174-1494	1	MOTOR GP-ELECTRIC (27 VOLT)	
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)	
		1	9W-0852	2	PIN-CONNECTOR	
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	6	1	3S-2093	4	STRAP-CABLE	
CM	7	1	5C-9553	19	BOLT (M6X1X16MM)	
C	8	1	9X-2488	2	CLAMP-HOSE	
	9	1	5P-4115	5	WASHER-HARD (7.2X19X2MM THK)	
	10	1	6V-1668	2	WASHER (6.5X29.1X3MM THK)	
	11	1	6V-7646	1	WASHER-HARD (7.2X25X2MM THK)	
	12	1	8C-3756	1	FILM-IDENTIFICATION (GROUP & SEQUENCE NO.)	
	13	1	8C-4586	2	CLAMP	
	14	1	6V-7728	1	BOLT (M6X1.0X45MM)	
M	15	1	8P-5141	2	PLATE-ORIFICE	
	16	1	8T-0337	3	SCREW-MACHINE (M4X0.7X12MM)	
M	17	1	8T-4205	30	WASHER-HARD (7.2X14.5X2MM THK)	
	18	1	8T-6631	2	SCREW-MACHINE (8-32X0.5 IN)	
C	19	1	9G-1950	1	RESISTOR	
	20	1	9M-8406	2	CLIP	
	21	1	9X-2185	4	SCREW (8-15X0.44 IN)	
M	22	1	9X-8498	1	BOLT (M6X1.0X180MM)	
	23	1	068-8993	1	GROMMET	
	24	1	113-8113	1	ROD	
	25	1	126-5606	1	COIL AS-EVAPORATOR	
	26	1	126-5607	1	COIL AS-HEATER	
	27	1	126-5608	1	HOUSING AS	
	28	1	126-5609	1	PLATE AS	
	29	1	211-9047	1	VALVE AS-WATER	
	30	1	126-5611	1	MOTOR-ACTUATOR	
	31	1	126-5612	1	HARNESS AS-HEATER & AIR COND	
		1	8T-8737	4	PLUG-SEAL	
		1	102-8801	1	KIT-RECEPTACLE (12 PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	155-2255	1	KIT-CONNECTING PLUG (12 PIN)	
		1	155-2270	2	KIT-CONNECTING PLUG (2 PIN)	
					(TO BLOWER MOTOR & WATER VALVE MOTOR)	
		1	155-2274	1	KIT-CONNECTING PLUG (6 PIN)	
					(EACH KIT INCLUDES PLUG AS & WEDGE)	
	32	1	126-6006	1	DOOR AS	
	33	1	126-6009	1	COVER	
	34	1	126-6010	1	CONTROL AS	
	35	1	127-6422	1	PLATE AS	
	36	1	127-6423	1	PLATE	
M	37	1	129-3178	12	LOCKNUT (M6X1 THD)	
	38	1	130-1888	1	GASKET	
	39	1	130-1890	6	GASKET	
	40	1	131-0820	1	GASKET	
	41	1	131-0821	1	GASKET	
	42	1	131-0822	1	GASKET	
	43	1	131-3093	1	BUSHING	
E	44	1	126-8472	2	SEAL (38.1CM EACH)	

OPERATOR STATION

115-0627 AIR CONDITIONER GP (contd.)

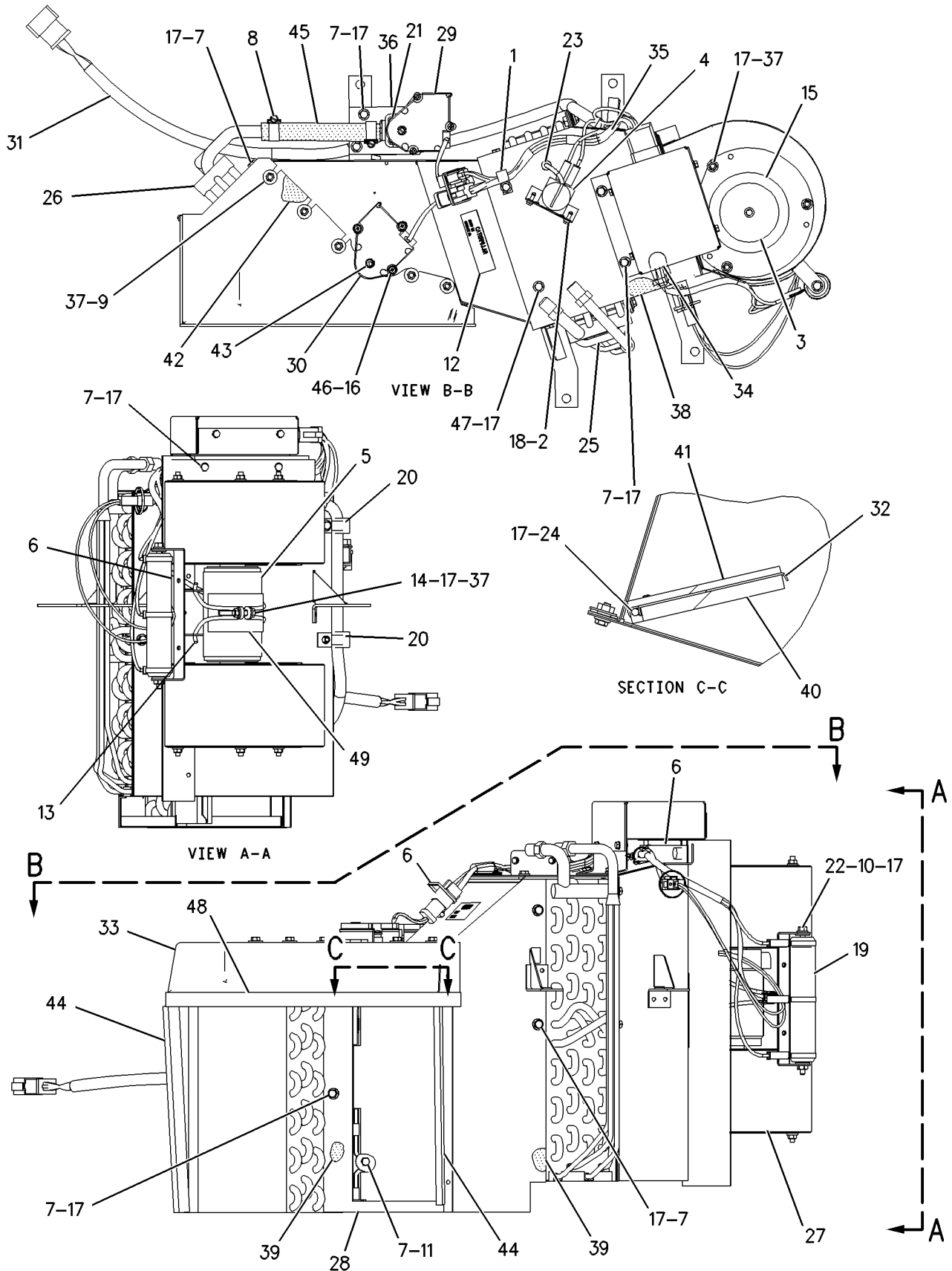
i01605062

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
BCE	45	1	136-1953		HOSE	
	46	1	4F-2320	3	WASHER	
CM	47	1	8T-4138	2	BOLT (M6X1X20MM)	
BD	48	1	6V-2496		SEAL	
BD	49	1	5P-5908		SEAL	
B-USE AS REQUIRED C-CHANGE FROM PREVIOUS TYPE D-ORDER BY THE METER E-ORDER BY THE CENTIMETER M-METRIC PART						

OPERATOR STATION

115-0627 AIR CONDITIONER GP (contd.)

i01605062



GRAPHIC #1

g00736341

OPERATOR STATION

202-9743 CAB AR

S/N: BPC1-UP

PART OF 202-9739 OPERATOR AR

SMCS-7301

i01623342

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	147-3120	1	AIR CONDITIONER & MOUNTING GP						598
Y	183-8479	1	CONTROL GP-ELECTROHYDRAULIC (JOYSTICK, 3 FUNCTION)						512
Y	169-8258	1	CONTROL GP-FOOT BRAKE						441
Y	141-4644	1	CONTROL GP-PARKING BRAKE						443
Y	141-4940	1	CONTROL GP-STEERING (STIC)						460
Y	4E-8413	1	CONTROL GP-STIC						242
Y	164-4237	1	COVER GP-DASH						609
Y	165-6769	1	DUCT & FILTER GP-AIR						614
Y	165-6560	1	DUCT GP-AIR						616
Y	109-8199	1	INSTALLATION GP-RADIO						622
Y	152-9028	1	LIGHTING GP-FLOOD						166
Y	144-2617	1	LINER GP-CAB						624
Y	187-0738	1	LOCK GP-STIC CONTROL						292
Y	144-2622	1	PANEL GP-INSTRUMENT						650
Y	202-9747	1	PANEL GP-INSTRUMENT						654
Y	141-4645	1	PEDAL GP-GOVERNOR						657
Y	128-9664	1	ROPS GP-ENCLOSED						668
Y	117-1410	1	SEALING GP-GLASS						671
Y	160-7188	1	SEAT GP-SUSPENSION						675
Y	179-9575	1	SUPPORT GP-HYDRAULIC CONTROL						676
Y	173-1905	1	SUPPORT GP-SEAT						679
Y	171-3897	1	SUPPORT GP-STEERING CONTROL						680
Y	173-9375	1	SUPPRESSION GP-CAB SOUND						683
Y	109-8196	1	WIPER GP-WINDOW						690
Y	210-1649	1	WIRING GP-CAB						204

Y-SEPARATE ILLUSTRATION

OPERATOR STATION

141-9676 COMPRESSOR GP-REFRIGERANT

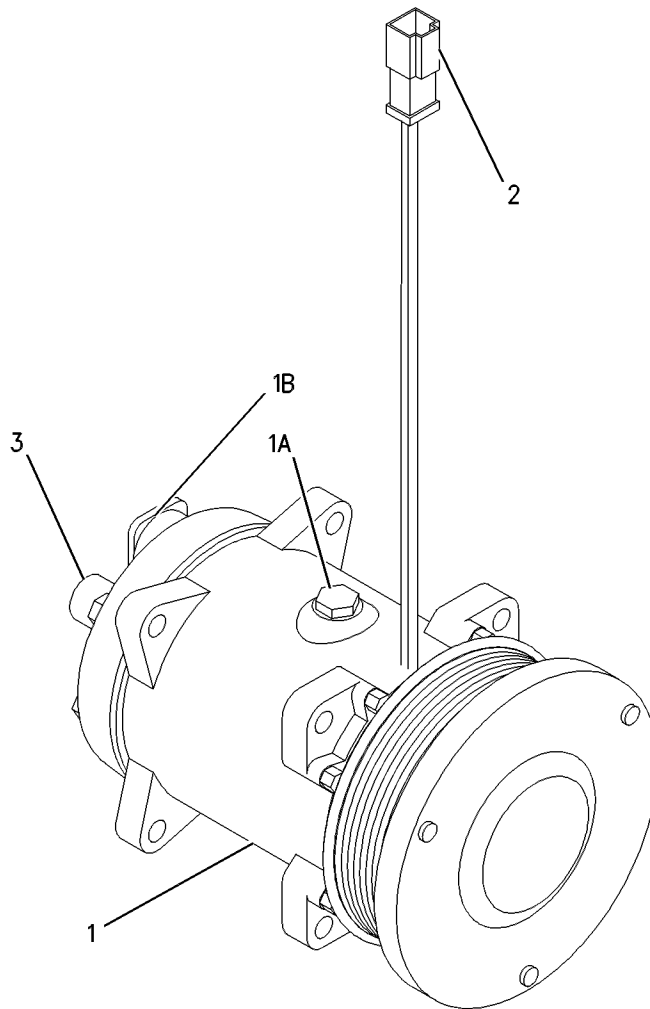
S/N: BPC1-UP

PART OF 172-1248 COMPRESSOR GP-REFRIGERANT

SMCS-1802

i01352813

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3E-3658	1	COMPRESSOR AS						
	1A	1	7T-4532	1	PLUG AS						
	1B	1	9X-7385	1	SEAL-O-RING (20.22MM ID)						
	2	1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
	3	1	114-3469	1	VALVE AS-RELIEF						
		1	9X-7378	1	SEAL-O-RING (8.92MM ID)						



GRAPHIC #1

g00534601

OPERATOR STATION

172-1248 COMPRESSOR GP-REFRIGERANT

S/N: BPC1-UP

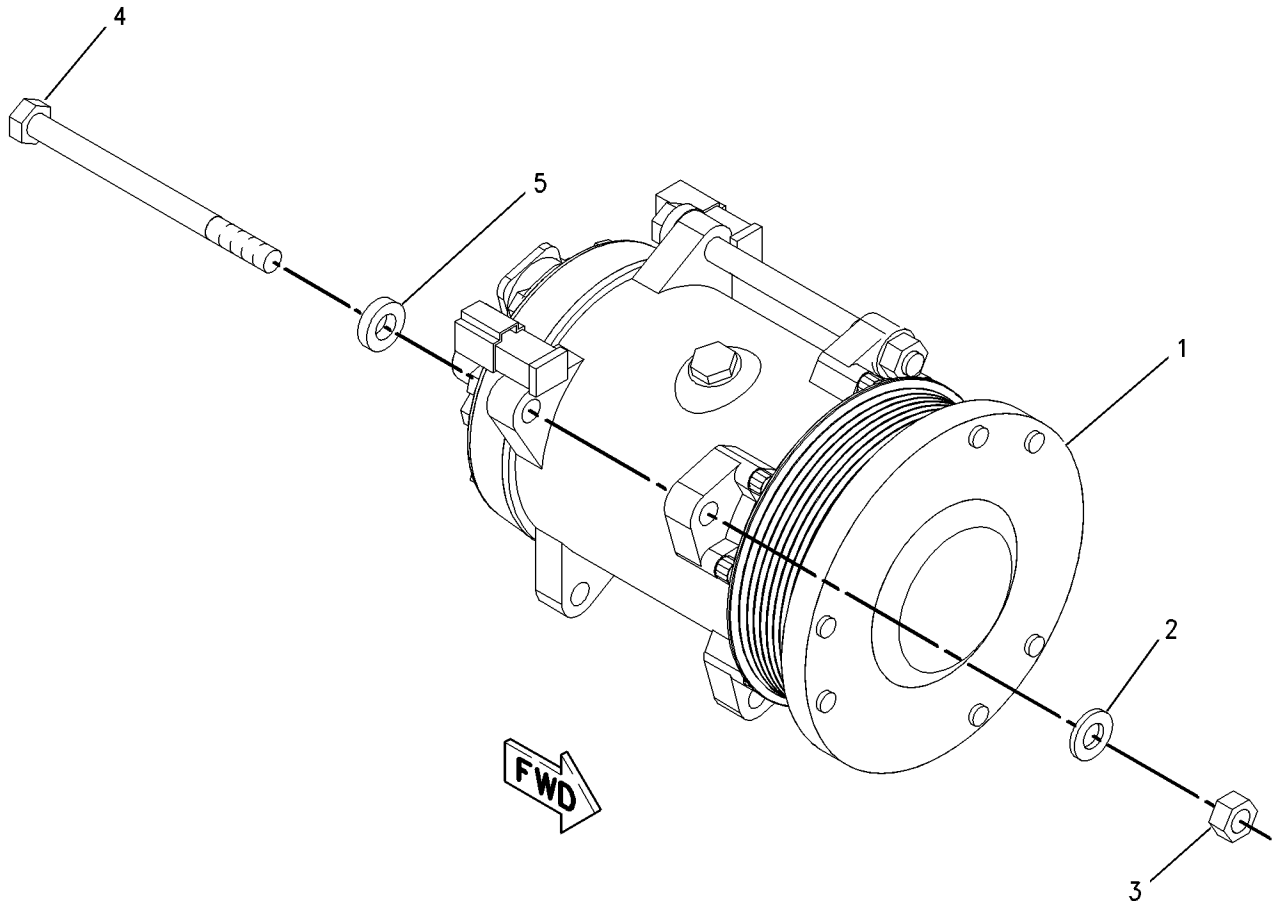
PART OF 201-4341 INSTALLATION AR-ENGINE

SMCS-1802

i01294927

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	141-9676	1	COMPRESSOR GP-REFRIGERANT						604
	2	1	8T-4121	2	WASHER-HARD (2.5MM THK)						
M	3	1	8T-4133	2	NUT (M10X1.50 THD)						
M	4	1	8T-5436	2	BOLT (M10X1.50X130MM)						
	5	1	8T-7934	2	WASHER-HARD (5.0MM THK)						

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00688540

OPERATOR STATION

114-5172 CONDENSER GP-REFRIGERANT

S/N: BPC1-UP

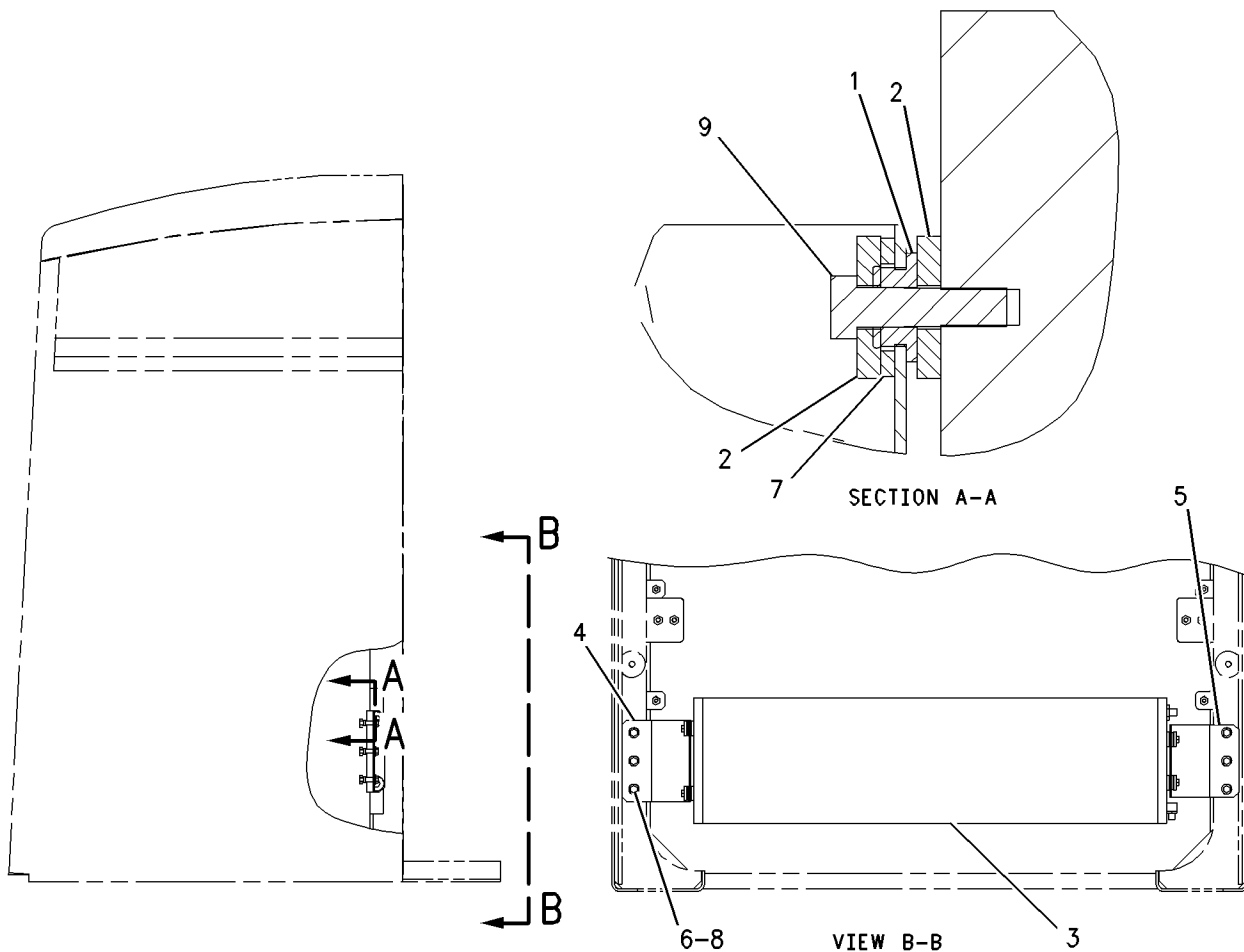
PART OF 203-1568 CHASSIS AR

SMCS-1805

i01468802

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6N-8744	4	MOUNT						
	2	1	7X-0632	8	WASHER-HARD (6 MM THK)						
	3	1	132-3968	1	CORE AS-REFRIGERANT CONDENSER						
	4	1	135-6925	1	ANGLE						
	5	1	135-6926	1	ANGLE						
	6	1	7X-7729	6	WASHER (11X25X3MM THK)						
	7	1	8T-4123	4	WASHER-PLATED (22X35X3.5MM THK)						
M	8	1	8T-4136	6	BOLT (M10X1.5X25MM)						
M	9	1	8T-4186	4	BOLT (M10X1.5X40MM)						

M-METRIC PART



GRAPHIC #1

g00766337

OPERATOR STATION

154-7443 CONTROL GP-MONITOR

S/N: BPC1-UP

CATERPILLAR MONITORING SYSTEM

PART OF 202-9747 PANEL GP-INSTRUMENT

SMCS-7490, 7494, 7601

i01380902

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
			(NO SERVICED PARTS)						

OPERATOR STATION

103-5526 CONTROL GP-MONITOR SYS DIMMER

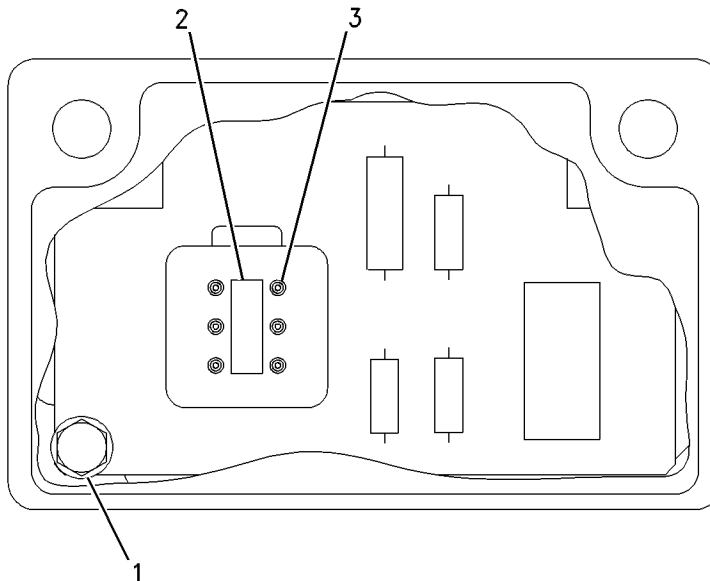
S/N: BPC1-UP

PART OF 144-2622 PANEL GP-INSTRUMENT

SMCS-7490

i01613292

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-9132	2	SCREW-WASHER HEAD (HEX)						
	2	1	3E-3383	1	WEDGE-RECEPTACLE LOCK						
	3	1	186-3735	6	PIN-CONNECTOR						
AVAILABLE REPAIR KIT(S) :											
			102-8805	1	KIT-RECEPTACLE (6 PIN)						



GRAPHIC #1

g00316579

OPERATOR STATION

164-4237 COVER GP-DASH

S/N: BPC1-UP

STIC STEERING

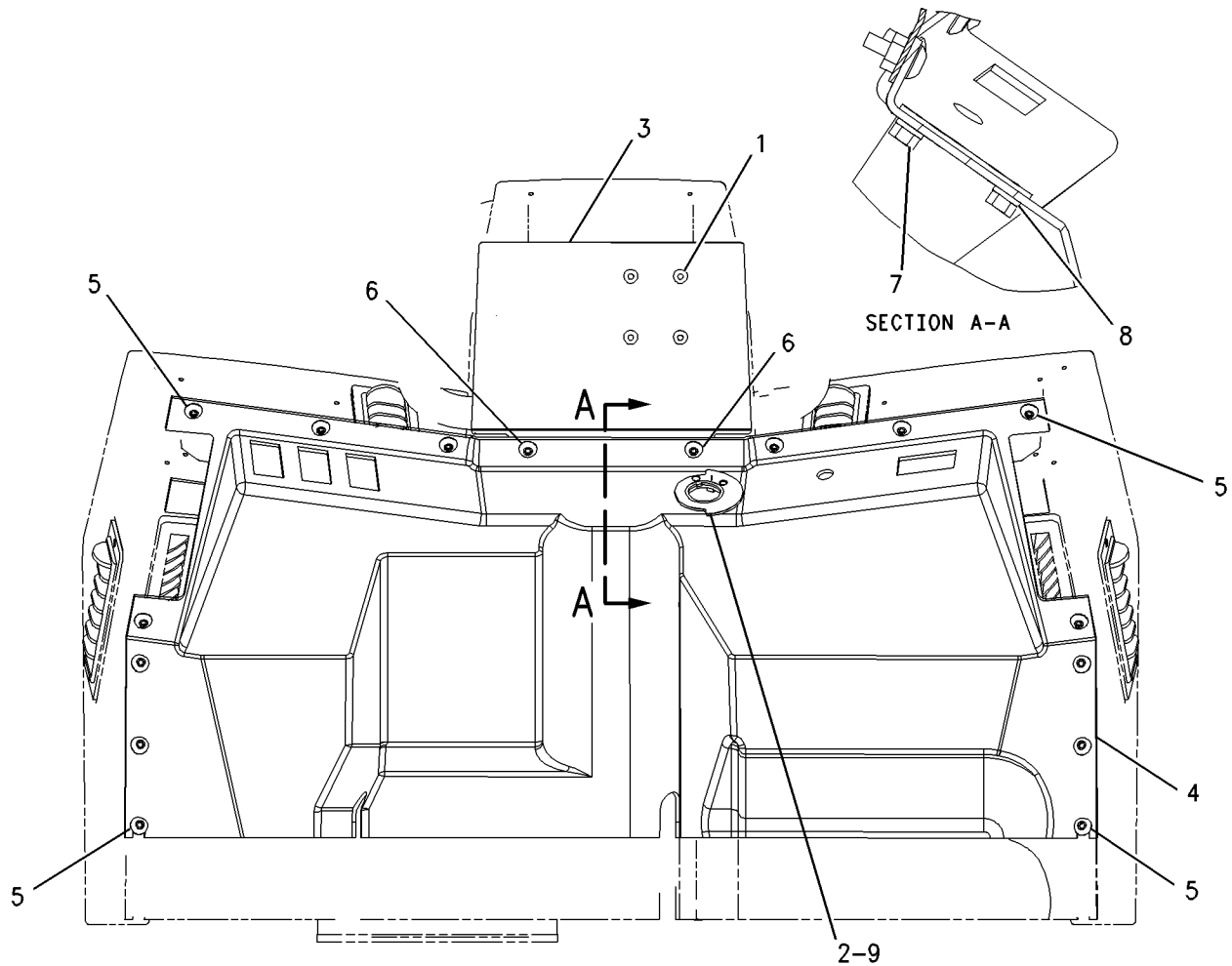
PART OF 202-9743 CAB AR

SMCS-7314

i01573201

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-2491	24	RIVET-POP						
	2	1	129-7184	1	FILM-INSTRUCTION (ENGINE RUN, ON/OFF)						
C	3	1	203-7143	1	PLATE AS						
	4	1	173-5791	1	COVER						
M	5	1	9X-2042	14	SCREW-TRUSS HEAD (M6X1X12MM)						
M	6	1	9X-2045	2	SCREW-TRUSS HEAD (M6X1X20MM)						
CM	7	1	5C-2890	2	NUT (M6X1 THD)						
C	8	1	9X-8256	2	WASHER (6.6X12X2MM THK)						
C	9	1	203-6481	1	PLATE AS						

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART



GRAPHIC #1

g00818172

OPERATOR STATION

165-5576 DOOR GP - CAB-LH

S/N: BPC1-UP

PART OF 128-9664 ROPS GP-ENCLOSED

SMCS-7308

i01308312

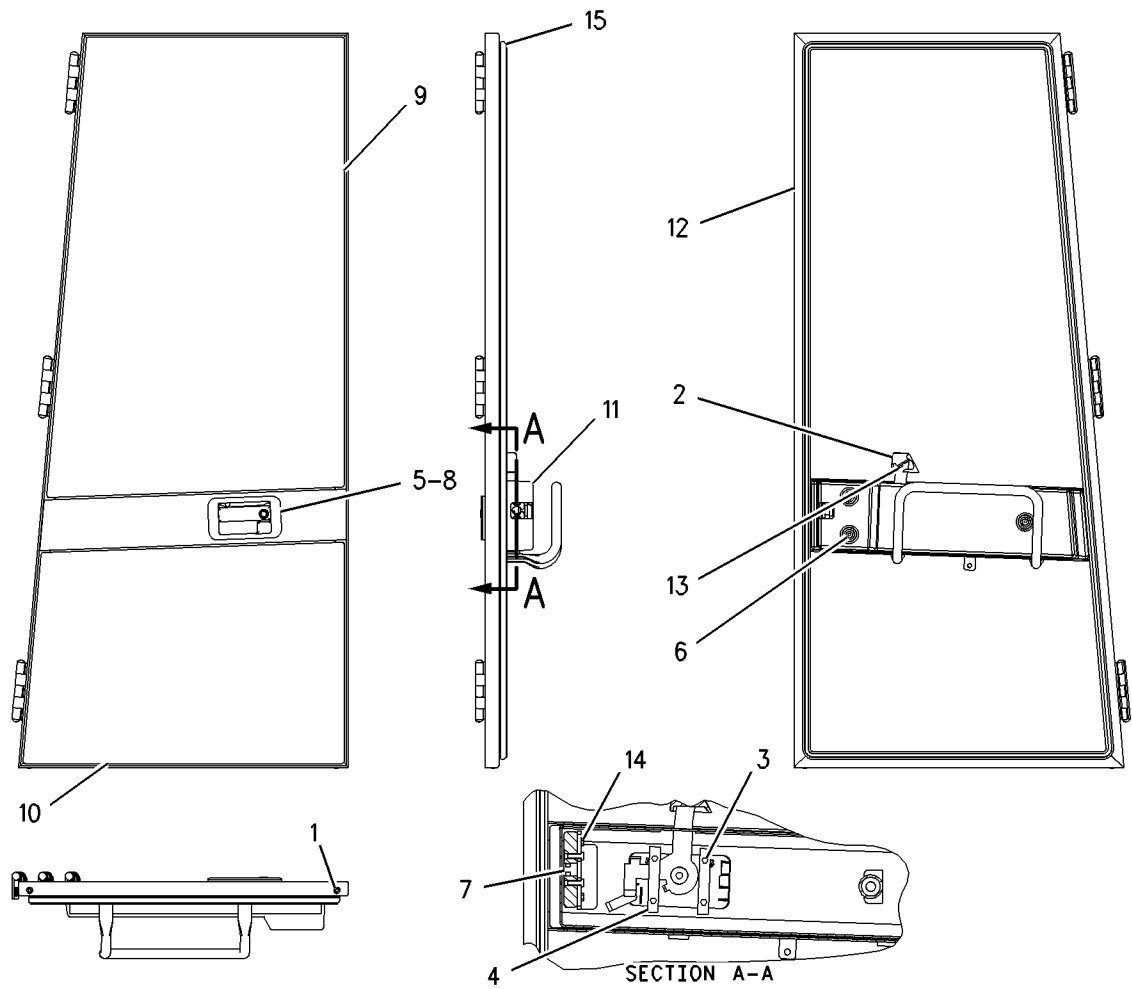
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-7803	2	PLUG-BUTTON						
	2	1	7X-2497	1	HANDLE-DOOR						
M	3	1	8T-4180	4	SCREW-MACHINE (M5X0.8X20MM)						
	4	1	8T-4747	2	BRACKET						
	5	1	8Y-6386	1	SEAL-HANDLE						
M	6	1	9X-2044	3	SCREW-TRUSS HEAD (M6X1X16MM)						
	7	1	187-3554	1	LATCH AS						
	8	1	111-1354	1	HANDLE AS						
	9	1	129-2567	1	GLASS						
	10	1	129-2568	1	GLASS						
	11	1	129-2578	1	COVER						
	12	1	165-5575	1	DOOR AS-LH						
M		1	6V-9632	3	NUT-WELD (M6X1 THD)						
		1	129-2584	1	HANDLE						
		1	130-6392	3	HINGE						
M	13	1	8C-3210	1	BOLT (M6X1X16MM)						
M	14	1	8T-4181	4	BOLT (M6X1X20MM)						
E	15	1	3E-3805		SEAL (450CM)						

E-ORDER BY THE CENTIMETER
M-METRIC PART

OPERATOR STATION

165-5576 D00R GP-CAB (contd.)

i01308312



GRAPHIC #1

g00692932

OPERATOR STATION

165-5725 DOOR GP-CAB-RH

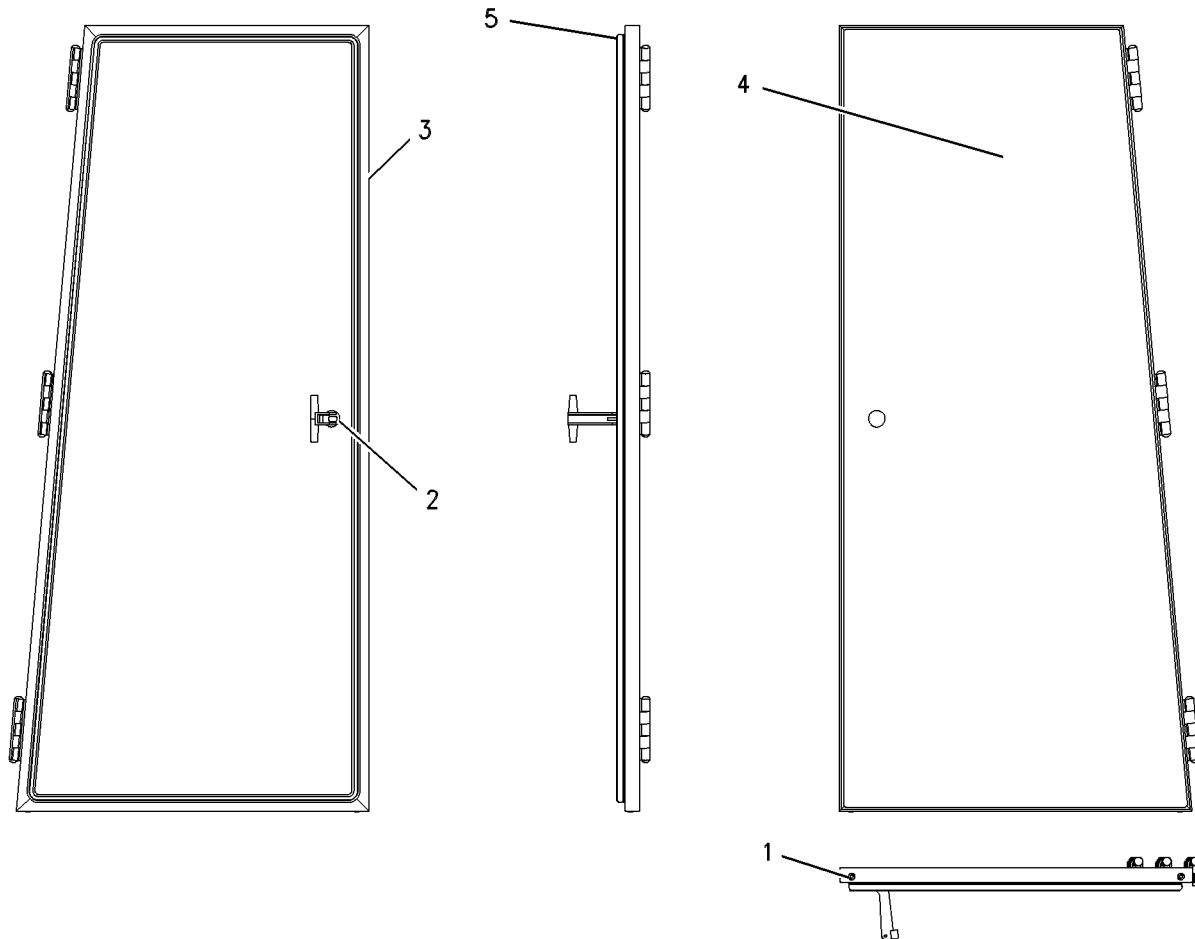
S/N: BPC1-UP

PART OF 128-9664 ROPS GP-ENCLOSED

SMCS-7308

i00978132

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-7803	2	PLUG-BUTTON						
	2	1	119-2078	1	LATCH AS-WINDOW						
		1	103-1122	1	LATCH						
		1	126-1052	1	PIN						
	3	1	165-5722	1	DOOR AS-RH						
		1	130-6392	3	HINGE						
	4	1	165-5728	1	GLASS						
E	5	1	3E-3805		SEAL (450CM)						
E-ORDER BY THE CENTIMETER											



GRAPHIC #1

g00511058

OPERATOR STATION

178-4139 DOOR GP-STORAGE

S/N: BPC1-UP

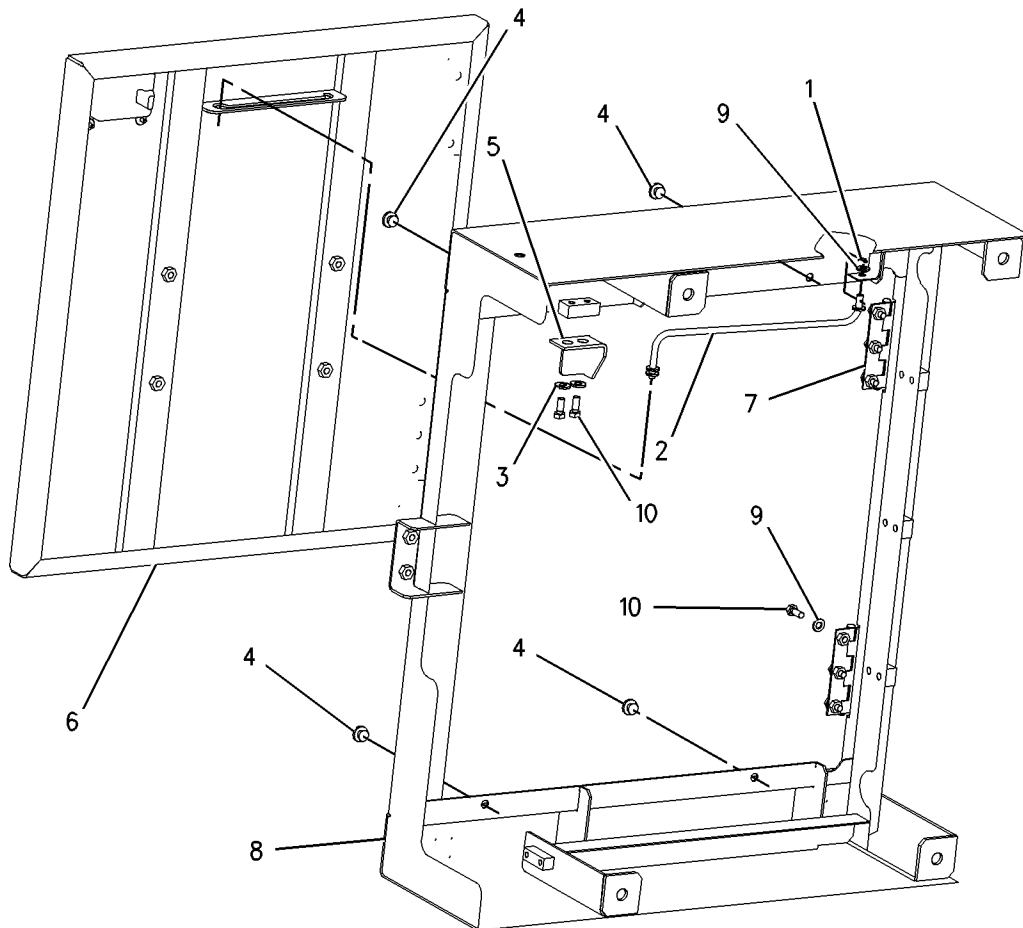
PART OF 143-8939 PLATFORM GP-OPERATOR

SMCS-7268, 7273

i01621758

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	3B-4610	1	PIN-COTTER	
	2	1	4E-4450	1	ROD AS	
		1	8T-4121	3	WASHER-HARD (11X21X2.5MM THK)	
	3	1	7X-7729	2	WASHER (11X25X3MM THK)	
	4	1	2V-3726	4	BUMPER	
	5	1	9U-1169	1	BRACKET	
	6	1	113-6003	1	DOOR AS	
		1	6V-2370	4	RIVET-POP	
		1	9X-2299	1	LATCH-HANDLE	
M		1	8T-3490	2	NUT-WELD (M10X1.5 THD)	
	7	1	119-1151	2	HINGE AS	
					(EACH INCLUDES)	
M		1	8T-3490	6	NUT-WELD (M10X1.5 THD)	
	8	1	178-4142	1	FRAME AS	
	9	1	8T-4121	13	WASHER-HARD (11X21X2.5MM THK)	
M	10	1	8T-4136	14	BOLT (M10X1.5X25MM)	

M-METRIC PART



GRAPHIC #1

g00802480

OPERATOR STATION

165-6769 DUCT & FILTER GP-AIR

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-7337, 7342

i01574961

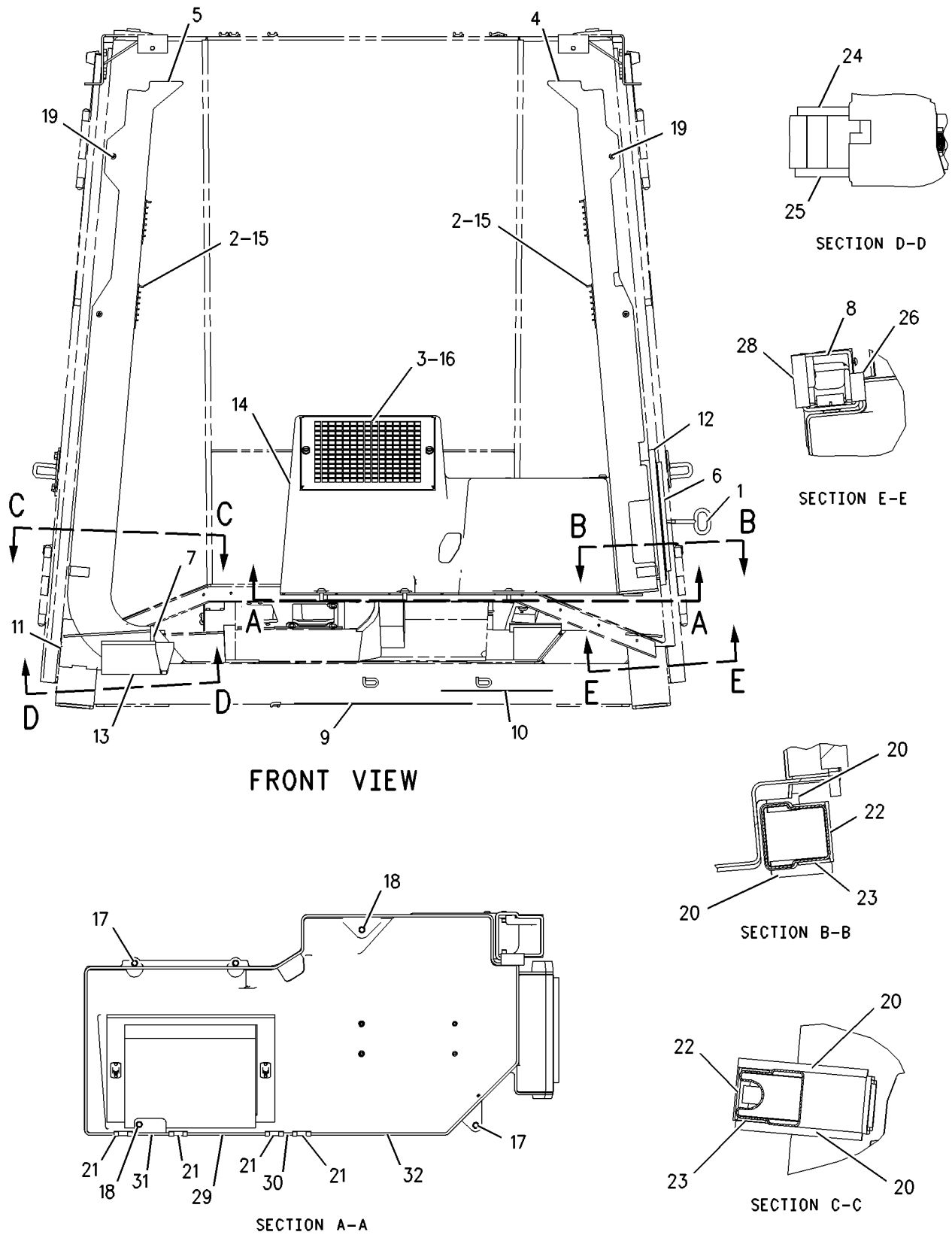
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3V-7476	1	KEY-HANDLE	
	2	1	8Y-6388	4	LOUVER AS	
	3	1	107-0266	1	FILTER-CAB AIR	
	4	1	184-6673	1	DUCT AS-LH	
	5	1	107-7308	1	DUCT AS-RH	
	6	1	112-7448	1	FILTER-CAB AIR	
	7	1	114-3466	1	SEAL	
	8	1	114-3467	1	SEAL	
	9	1	128-3786	1	SEAL	
	10	1	128-3787	1	SEAL	
	11	1	155-8357	1	PLUG	
	12	1	155-9653	1	SEAL	
	13	1	161-1353	1	INSULATION	
	14	1	176-5500	1	COVER AS	
	15	1	104-2091	8	SCREW-FLAT HEAD (6-20X0.5 IN)	
	16	1	114-4208	1	COVER AS	
		1	2R-2376	2	WASHER	
		1	134-0780	2	THUMBSCREW	
M	17	1	9X-2039	3	SCREW-TRUSS HEAD (M10X1.5X35MM)	
M	18	1	9X-2040	2	SCREW-TRUSS HEAD (M10X1.5X25MM)	
M	19	1	9X-2042	8	SCREW-TRUSS HEAD (M6X1X12MM)	
B	20	1	121-3910	1	ADHESIVE	
D	21	1	5P-5643	4	SEAL (.14M EACH)	
D	22	1	6V-0723	2	SEAL (.094M EACH)	
D	23	1	6V-0723	2	SEAL (.05M EACH)	
D	24	1	6V-0723		SEAL (.231M)	
D	25	1	6V-0723		SEAL (.236M)	
D	26	1	6V-0723		SEAL (.051M)	
D	28	1	6V-0723		SEAL (.096M)	
E	29	1	8T-9005		SEAL (18.5CM)	
E	30	1	8T-9005		SEAL (2.0CM)	
E	31	1	8T-9005		SEAL (8.0CM)	
E	32	1	8T-9005		SEAL (227.5CM)	

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
M-METRIC PART

OPERATOR STATION

165-6769 DUCT & FILTER GP-AIR (contd.)

i01574961



GRAPHIC #1

g00809689

OPERATOR STATION

165-6560 DUCT GP-AIR

S/N: BPC1-UP

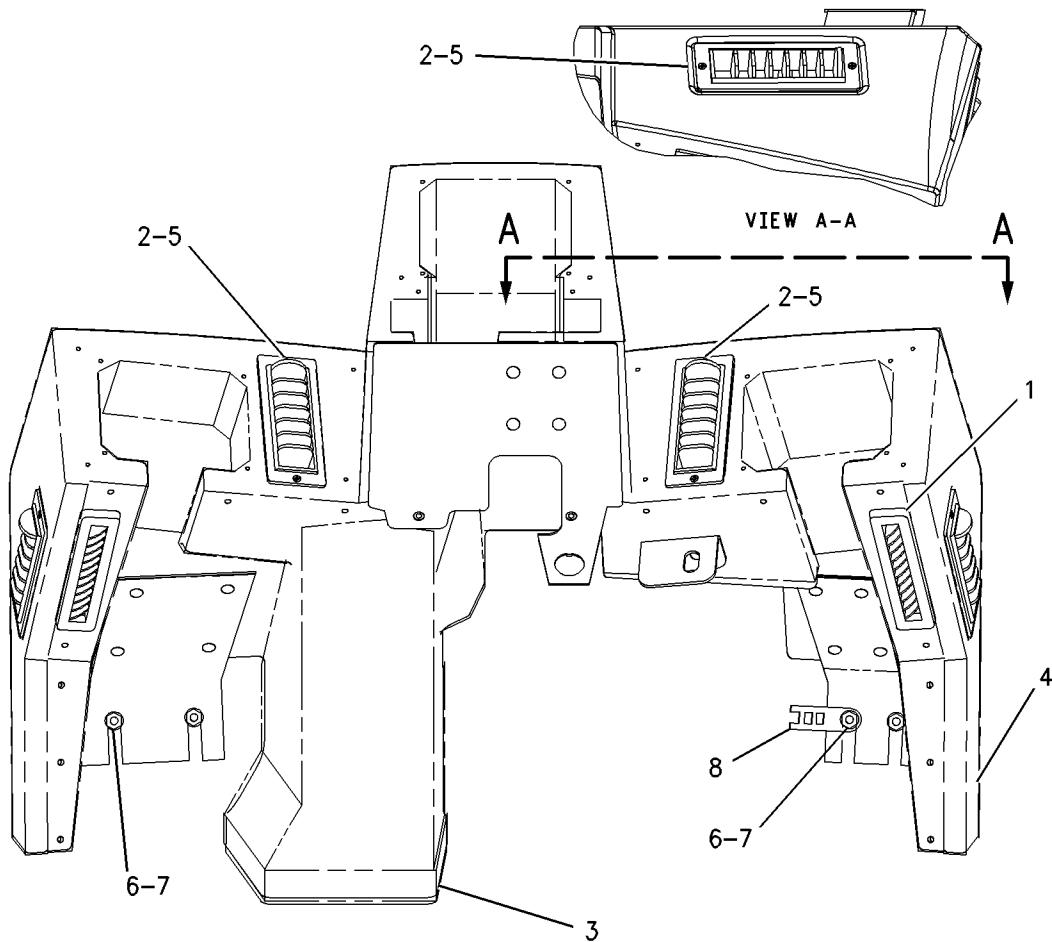
PART OF 202-9743 CAB AR

SMCS-7304, 7320, 7337

i01408122

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8Y-6352	2	LOUVER AS						
	2	1	8Y-6388	6	LOUVER AS						
	3	1	114-3468	1	SEAL						
	4	1	165-6561	1	DUCT AS-AIR						
	5	1	104-2091	12	SCREW-FLAT HEAD (NO.6-20X0.5 IN)						
M	6	1	5C-7261	4	NUT (M8X1.25 THD)						
	7	1	8T-4224	4	WASHER-HARD (8.8X16X2MM THK)						
	8	1	4P-7581	1	CLIP						

M-METRIC PART



GRAPHIC #1

g00743762

MEMORANDA

OPERATOR STATION

170-7118 HARDWARE GP-CAB SUPPORT

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7553

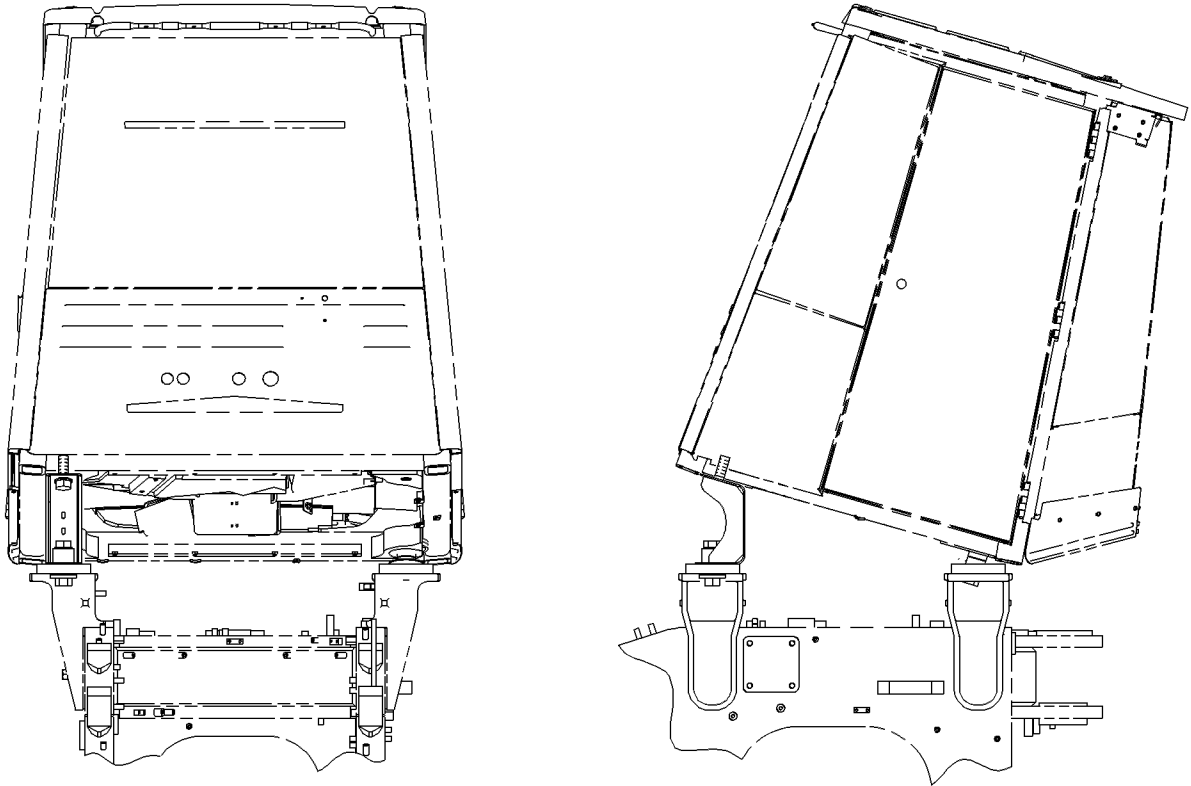
i01174809

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	170-7117	1	BRACKET AS	
M	2	1	096-4879	1	NUT (M36X4.0 THD)	
	3	1	7Y-8806	1	WASHER	
M	4	1	8T-1605	1	BOLT (M36X4X100MM)	
M	5	1	8T-4183	2	BOLT (M12X1.75X40 THD)	
	6	1	8T-4223	2	WASHER-HARD (3MM THK)	
	7	1	9X-8259	2	WASHER (6MM THK)	
M-METRIC PART						

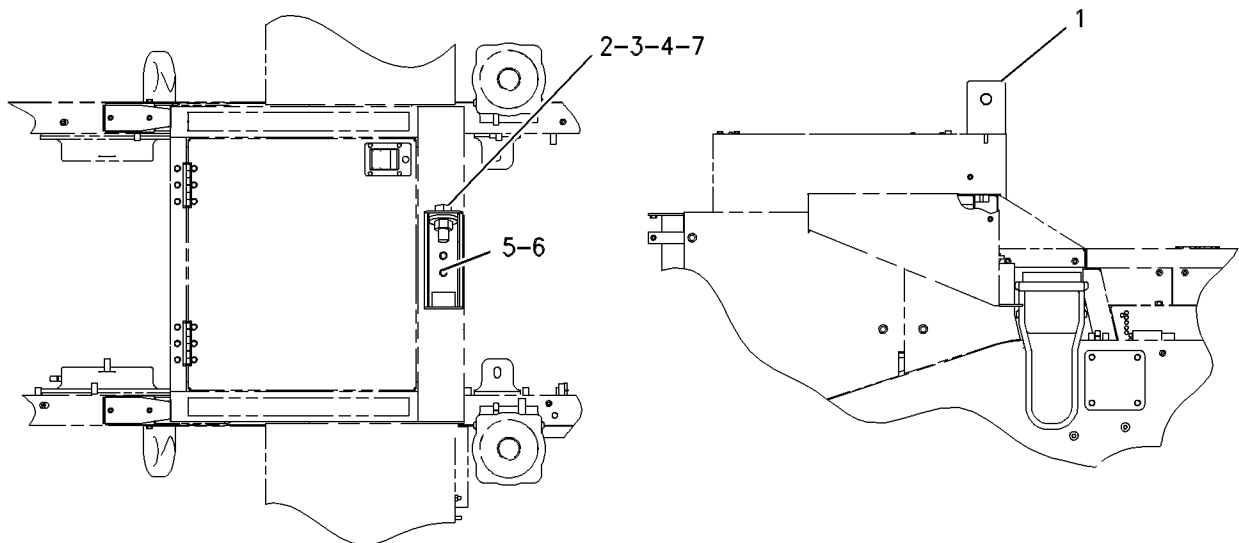
OPERATOR STATION

170-7118 HARDWARE GP-CAB SUPPORT (contd.)

i01174809



SUPPORT POSITION



STORE POSITION

GRAPHIC #1

g00630283

OPERATOR STATION

162-6884 INSTALLATION GP-CONTROLS

S/N: BPC1-UP

PART OF 202-9739 OPERATOR AR

SMCS-1265, 4284

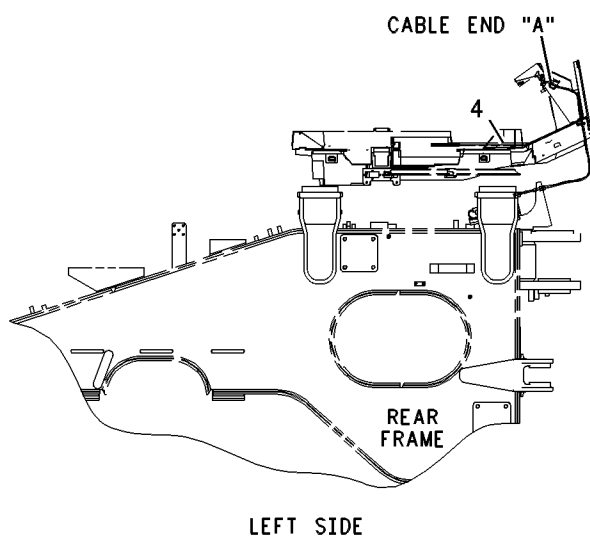
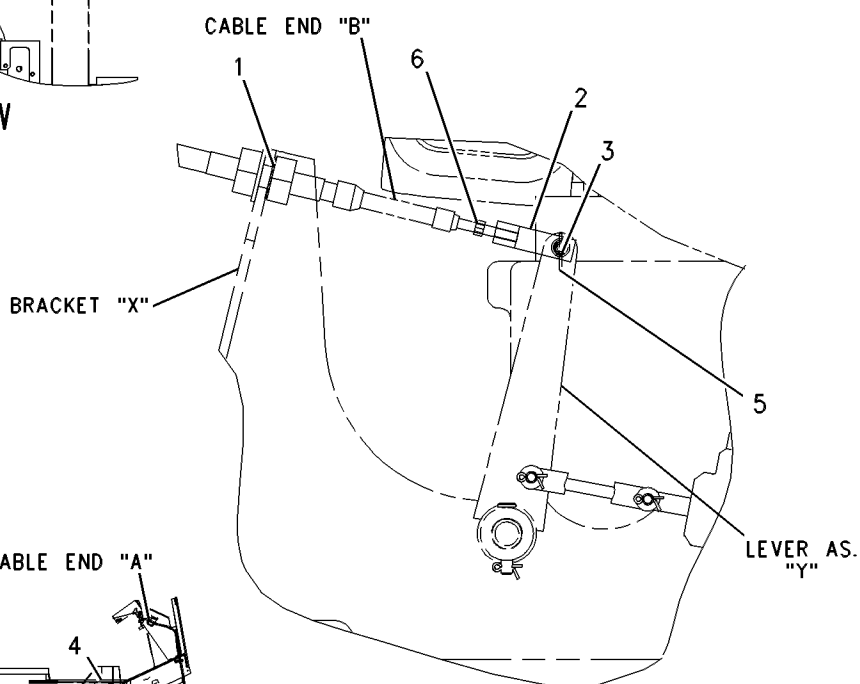
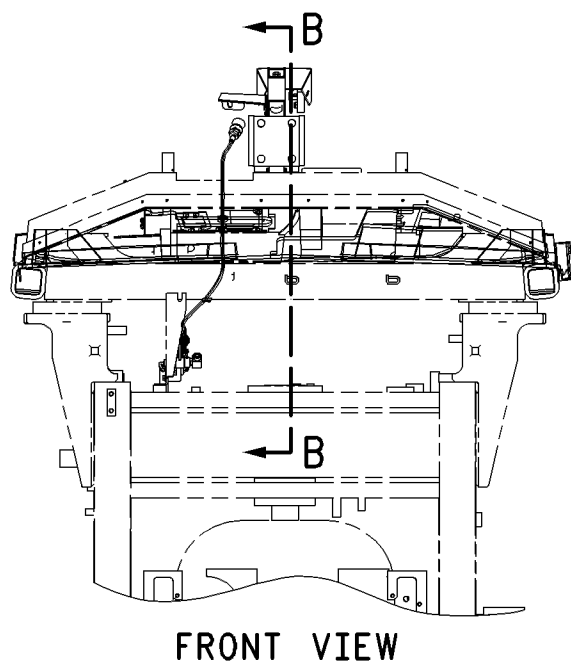
i01013408

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3J-4818	1	LOCKWASHER (1/2IN)	
	2	1	9U-0830	1	END-YOKE ROD	
	3	1	096-0067	1	PIN-CLEVIS	
	4	1	162-6505	1	FLOOR MAT	
	5	1	5B-9192	1	COTTER	
M	6	1	5C-2874	1	NUT (M5X.8 THD)	
M-METRIC PART						

OPERATOR STATION

162-6884 INSTALLATION GP-CONTROLS (contd.)

i01013408



GRAPHIC #1

g00545553

OPERATOR STATION

109-8199 INSTALLATION GP-RADIO

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-7338

i01612649

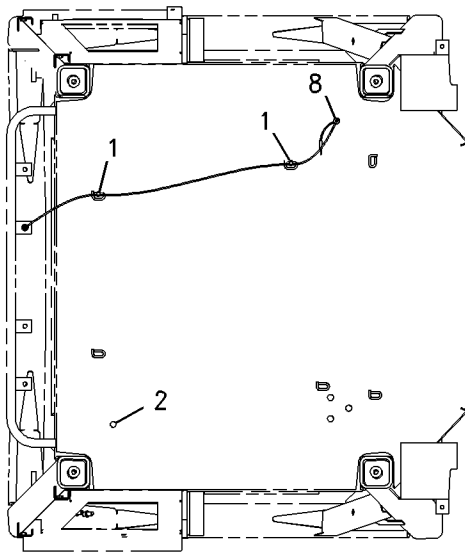
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3S-2093	2	STRAP-CABLE						
	2	1	3V-4694	1	PLUG-BUTTON						
	3	1	6T-7695	2	SPEAKER AS-RADIO						
	4	1	6V-2687	10	SCREW-PAN HEAD (10-24X1IN)						
	5	1	9U-2331	1	ANTENNA AS						
	6	1	9U-4431	1	MOUNT-ANTENNA						
	7	1	9U-8263	1	COVER						
	8	1	011-7960	1	GROMMET						
C	9	1	205-4285	1	CONVERTER GP-ELECTRICAL						
	10	1	124-4884	1	CABLE AS						
	11	1	132-3522	1	PLATE						

C-CHANGE FROM PREVIOUS TYPE

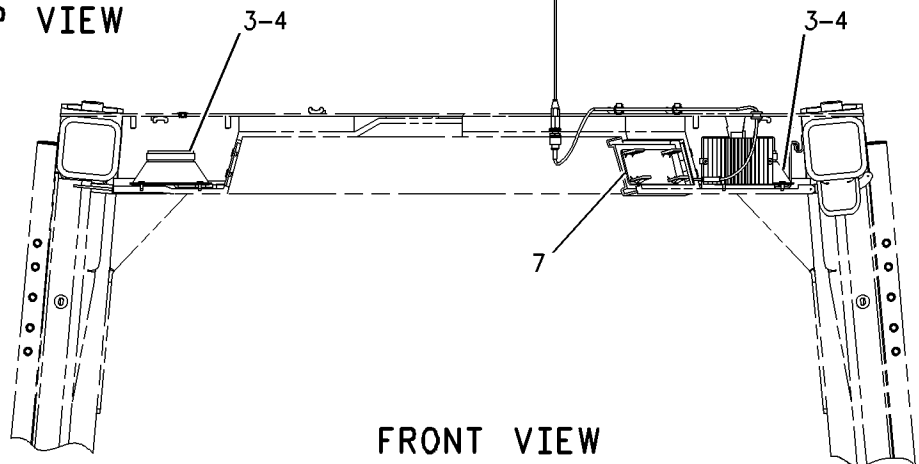
OPERATOR STATION

109-8199 INSTALLATION GP-RADIO (contd.)

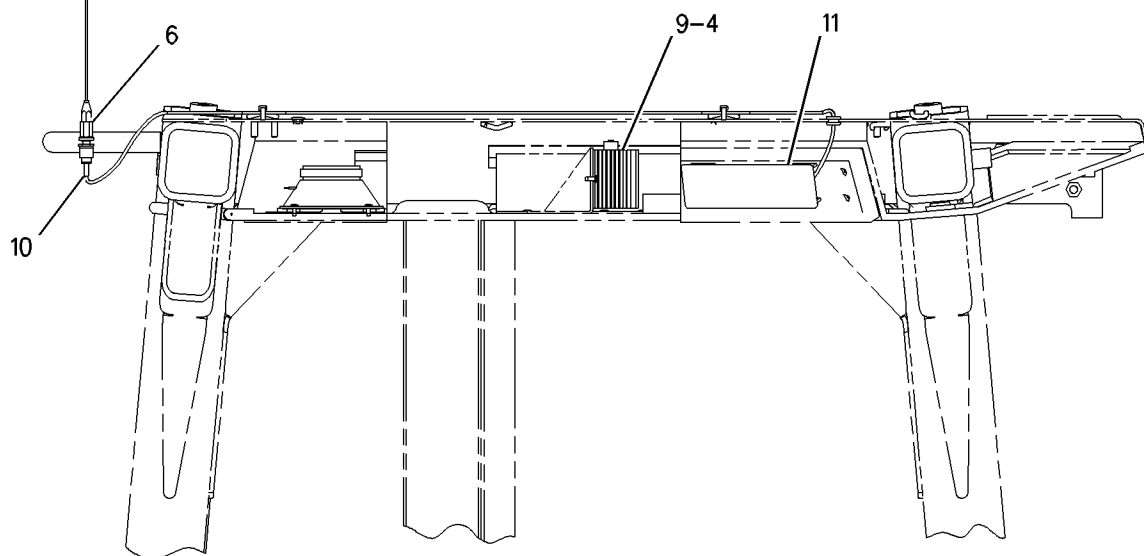
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TOP VIEW



FRONT VIEW



RIGHT SIDE VIEW

GRAPHIC #1

g00802200

OPERATOR STATION

144-2617 LINER GP-CAB

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-7329

i01626026

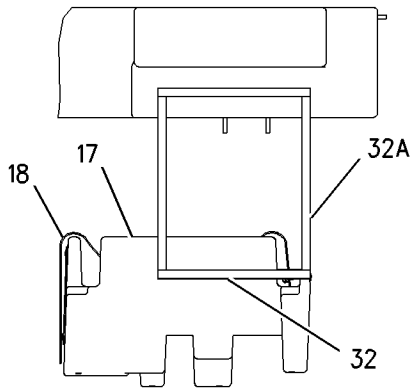
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3T-4509	2	PLATE	
	2	1	5P-7958	1	SLEEVE-CABLE SPLICE	
	3	1	6V-8928	1	HOOK-COAT	
M	4	2	6V-9606	2	BOLT	
M	5	1	8T-7963	8	LOCKNUT	
	6	1,2	9X-2038	21	WASHER (7X19X2MM THK)	
	7	2	116-6810	1	TRIM AS	
		2	2R-2376	2	WASHER	
		2	7K-3262	1	SCREW	
		2	7K-4201	1	NUT-SPEED	
		2	8M-7758	2	RIVET-POP	
		2	123-5161	1	DOOR	
	8	1	8T-6842	1	FILM-INSTRUCTION (ALTERNATE EXIT)	
	9	1	120-8878	1	INSULATION	
	10	1	175-3064	1	BRACKET	
	11	2	123-2995	1	PANEL	
	12	1	124-8366	4	ANGLE AS	
	13	1	124-8368	4	BRACKET AS	
M	14	1	8T-4138	2	BOLT (M6X1X20MM)	
	15	1	156-1028	2	ANGLE AS	
					(EACH INCLUDES)	
M		1	6V-9632	2	NUT-WELD (M6X1 THD)	
	16	1	160-9925	1	LANYARD	
	17	1	202-7652	1	COVER AS	
	18	1	161-3415	1	STRAP	
	19	1	164-7444	2	STUD-BALL	
	20	1	164-7959	2	FITTING	
	21	1	142-7442	1	SPRING-GAS	
	22	2	165-6562	1	HEADLINER AS	
M	23	1,2	9X-2046	9	SCREW-TRUSS HEAD (M6X1X35MM)	
	24	2	179-6051	1	TRAY	
	25	1	6V-8189	2	NUT (5/16-18 THD)	
M	26	1	7X-2535	2	BOLT (M6X1X60MM)	
	27	1	8T-4121	4	WASHER-HARD (11X21X2.5MM THK)	
M	28	1	8T-4195	4	BOLT (M10X1.5X30MM)	
	29	1,2	8T-4205	6	WASHER-HARD (7.2X14.5X2MM THK)	
	30	1	8T-4224	9	WASHER-HARD (8.8X16X2MM THK)	
M	31	1,2	9X-2045	17	SCREW-TRUSS HEAD (M6X1X20MM)	
D	32	1	5P-5637	2	SEAL (.265M EACH)	
D	32A	1	5P-5637	2	SEAL (.232M EACH)	
M	33	1	8T-5027	5	NUT (M6X1.0 THD)	

D-ORDER BY THE METER
M-METRIC PART

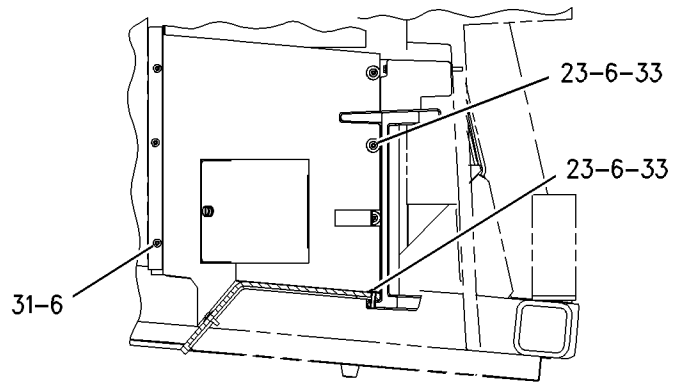
OPERATOR STATION

144-2617 LINER GP-CAB (contd.)

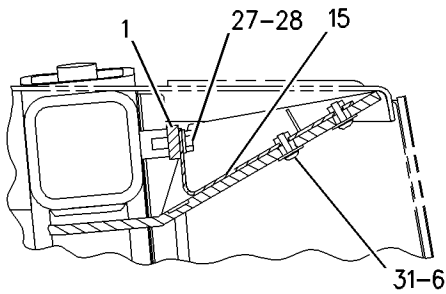
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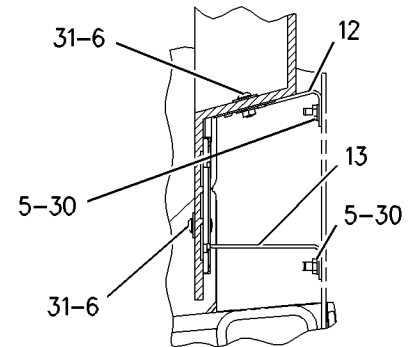
SECTION G-G



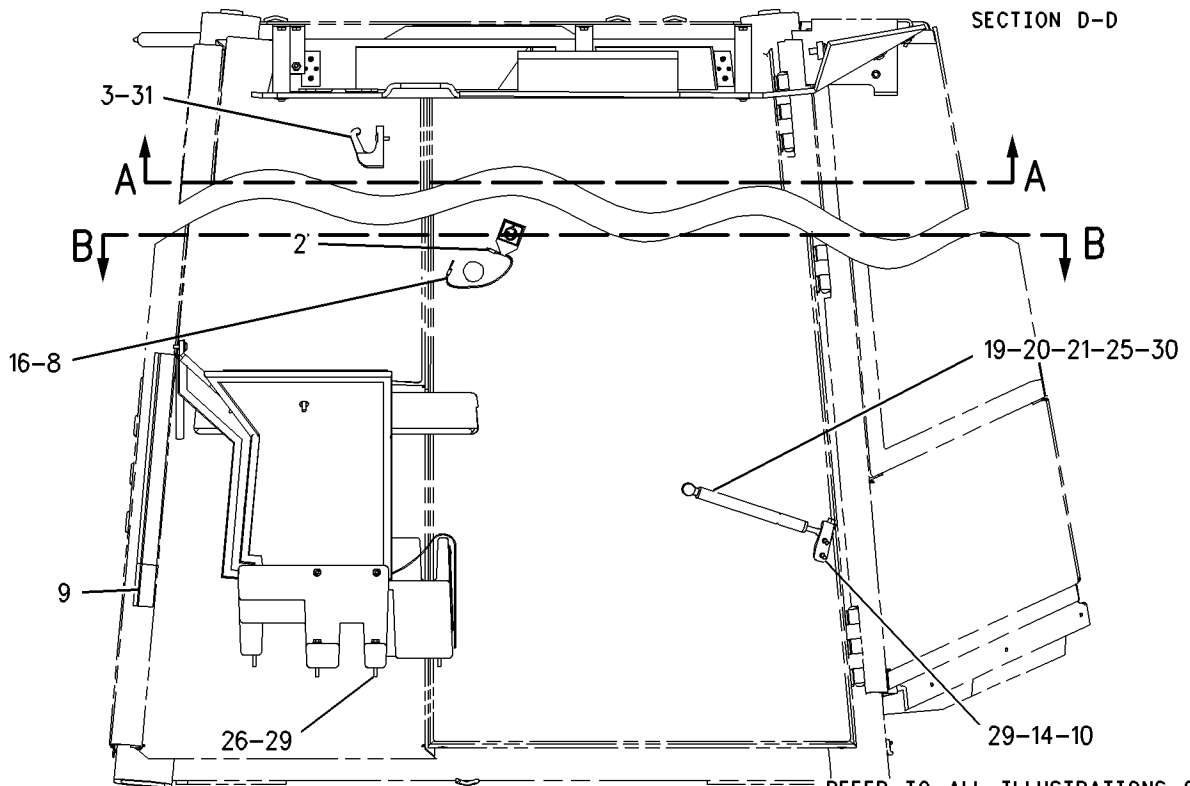
SECTION E-E



SECTION C-C



SECTION D-D



REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

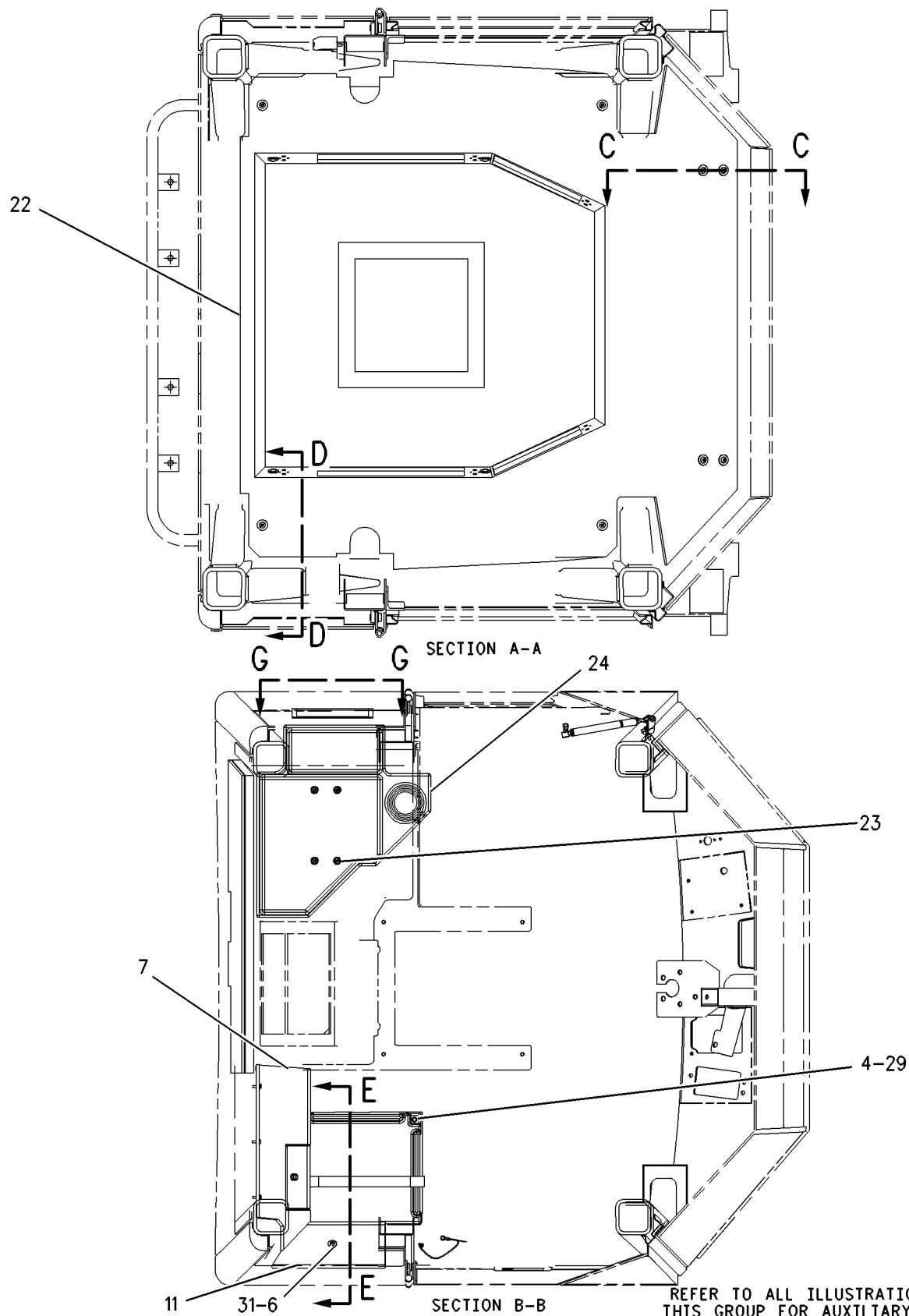
GRAPHIC #1

g00786763

OPERATOR STATION

144-2617 LINER GP-CAB (contd.)

i01626026



GRAPHIC #2

g00776411

MEMORANDA

OPERATOR STATION

114-5142 LINES GP-AIR CONDITIONER

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-1808

i01625572

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	175-7162	1	RECEIVER-DRYER GP (AIR CONDITIONER)	
		1	7X-2049	1	TUBE AS-REFRIGERANT ORIFICE	
	2	1	5P-3929	1	COUPLING AS-REFRIGERANT	
		1	8F-9206	1	SEAL-O-RING	
		1	107-4397	1	VALVE AS	
C	3	1	6D-2667	5	CLIP	
	4	1	103-6100	2	COUPLER AS-QUICK (EACH INCLUDES)	
		1	9X-7382	2	SEAL-O-RING	
	5	1	116-6202	2	BOOT	
I	6	1	141-4698	1	HOSE AS	
I	7	1	141-4699	1	HOSE AS	
	8	1	149-2491	1	FITTING AS-AIR CONDITIONER	
		1	3E-4051	1	CAP-SEAL (AIR CONDITIONER) (LOW SIDE)	
		1	3E-4057	1	VALVE AS-AIR CONDITIONER (LOW SIDE)	
I	9	1	183-8040	1	HOSE AS	
	10	1	186-6189	1	ACCUMULATOR-REFRIGERANT	
C	11	1	203-5443	2	BRACKET AS (EACH INCLUDES)	
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)	
CI	12	1	203-5498	1	HOSE AS	
C	13	1	203-5499	1	HOSE AS	
C	14	1	038-3967	2	BRACKET	
C	15	1	118-9902	1	SPACER	
C	16	1	162-3858	1	SPACER	
	17	1	1P-6356	1	PLATE	
	18	1	3E-4053	1	FITTING AS-AIR CONDITIONER	
		1	3E-4052	1	CAP-SEAL (AIR CONDITIONER) (HIGH SIDE)	
		1	3E-4058	1	VALVE AS-AIR CONDITIONER (HIGH SIDE)	
	19	1	4K-8302	1	CLIP	
	20	1	5P-1076	1	WASHER-HARD (13.5X30X4MM THK)	
	21	1	5P-3948	1	COUPLING AS-REFRIGERANT	
		1	7F-8607	1	SEAL-O-RING	
		1	107-4399	1	VALVE AS	
C	22	1	6V-1889	4	CLIP	
	23	1	6V-4356	1	CLIP (SLOT)	
	24	1	6V-4357	1	CLIP (TAB)	
C	25	1	7X-7729	2	WASHER (11X25X3MM THK)	
	26	1	8M-2773	5	CLIP	
	27	1	8S-6109	1	CLIP (SLOT)	
	28	1	8S-6110	1	CLIP (TAB)	
	29	1	8T-2561	1	WASHER-HARD (10.5X28.5X5MM THK)	
C	30	1	8T-4121	24	WASHER-HARD (11X21X2.5MM THK)	
CM	31	1	8T-4133	6	NUT (M10X1.5 THD)	
CM	32	1	8T-4136	6	BOLT (M10X1.5X25MM)	
M	33	1	8T-4137	12	BOLT (M10X1.5X20MM)	
M	34	1	8T-4195	1	BOLT (M10X1.5X30MM)	
CM	35	1	8T-5005	1	BOLT (M10X1.50X70MM)	
M	36	1	8T-6466	2	BOLT (M10X1.50X60MM)	
	37	1	9L-1775	3	BRACKET	
C	38	1	9M-8406	3	CLIP	
	39	1	9X-7380	3	SEAL-O-RING	
	40	1	9X-7381	2	SEAL-O-RING	
	41	1	9X-7382	1	SEAL-O-RING	
	42	1	9X-7383	3	SEAL-O-RING	
	43	1	9X-7384	1	SEAL-O-RING	

OPERATOR STATION

114-5142 LINES GP-AIR CONDITIONER (contd.)

i01625572

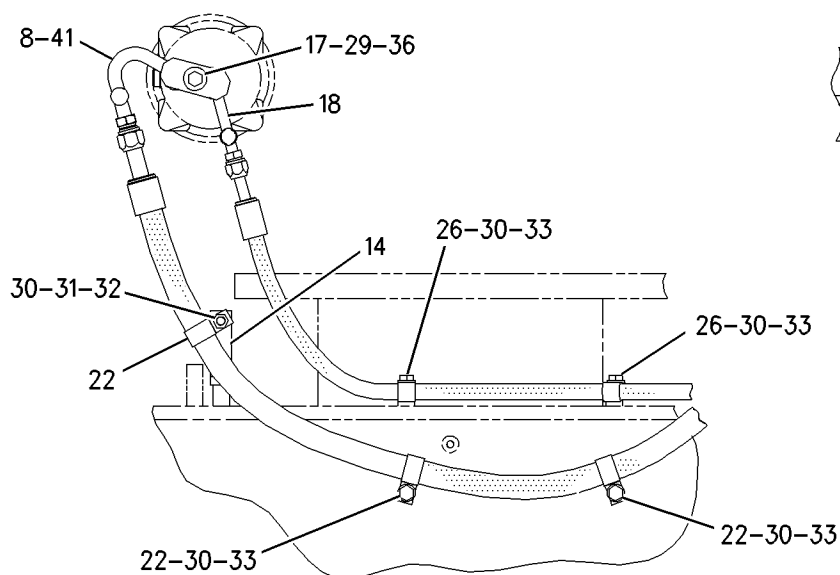
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
D	44	1	6V-2495		SEAL (.3 M)						

C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

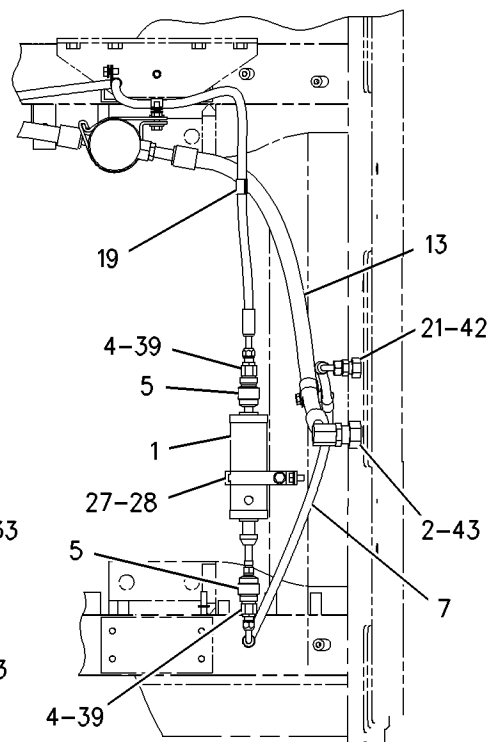
OPERATOR STATION

114-5142 LINES GP-AIR CONDITIONER (contd.)

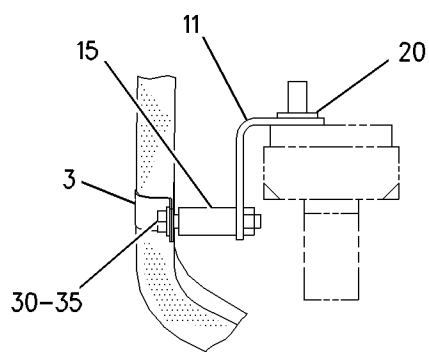
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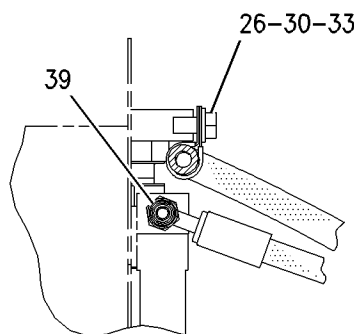
VIEW A-A



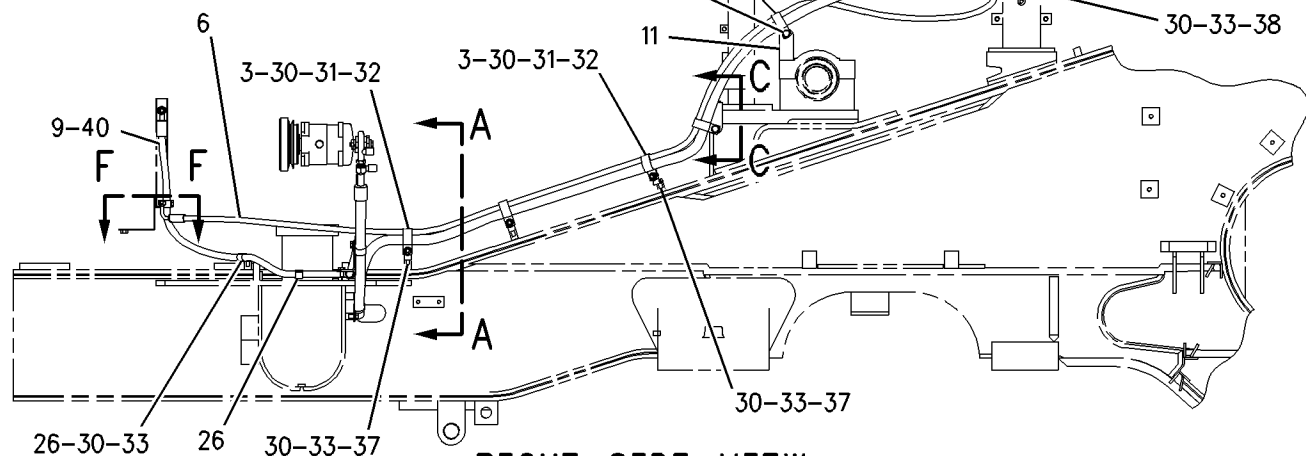
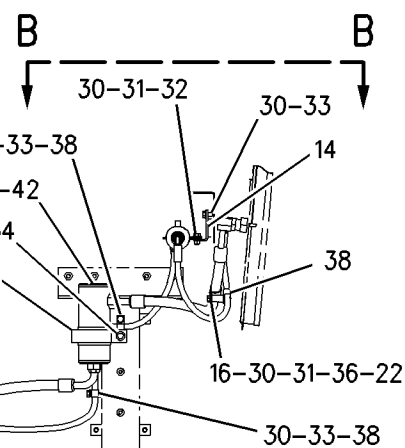
VIEW B-B



VIEW C-C



SECTION F-F



RIGHT SIDE VIEW

GRAPHIC #1

g00842493

OPERATOR STATION

131-1274 LINES GP-AIR CONDITIONER

S/N: BPC1-UP

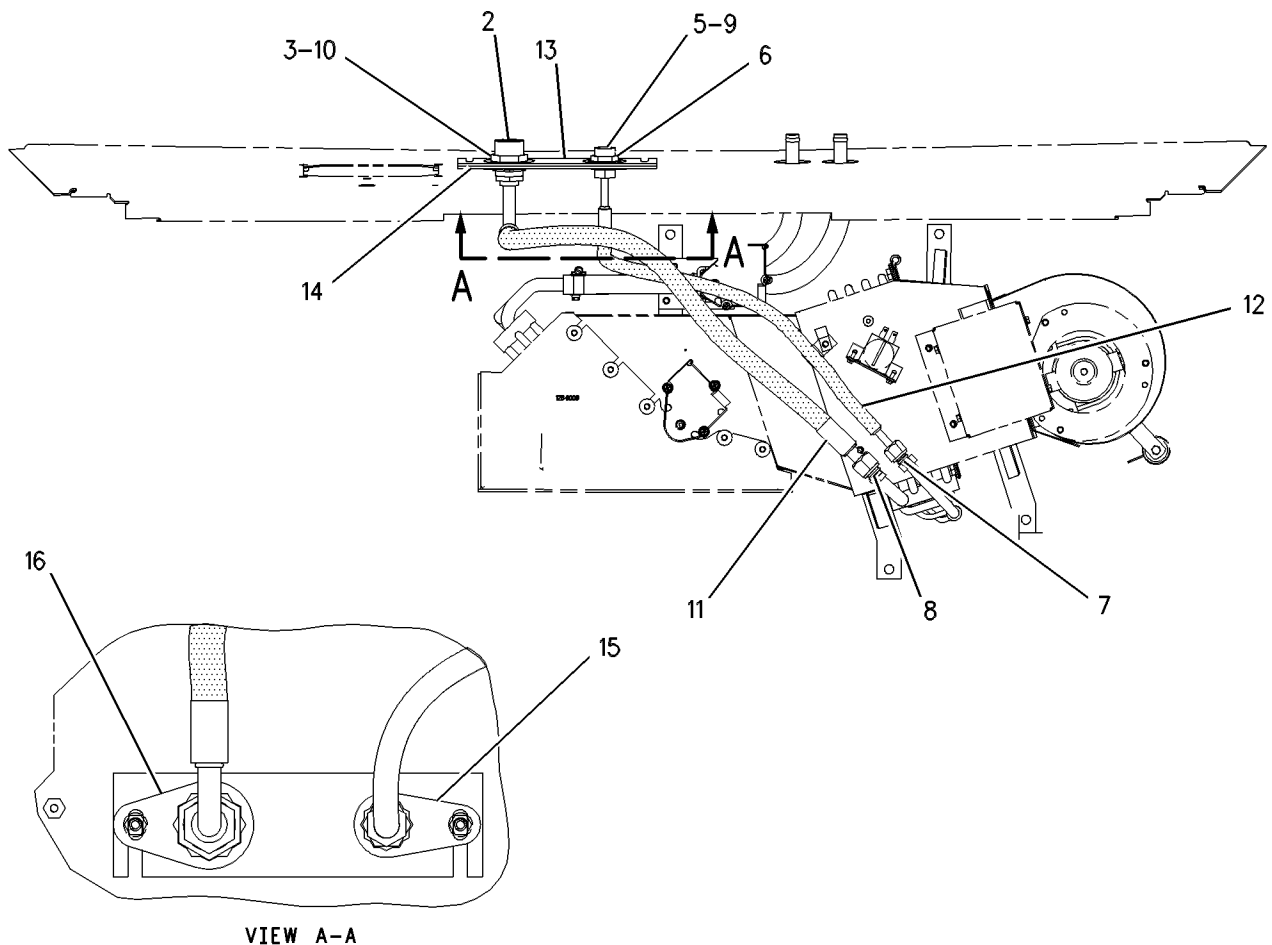
PART OF 147-3120 AIR CONDITIONER & MOUNTING GP

SMCS-1808

i01454187

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	2	1	5P-3928	1	COUPLING AS-SEALING						
		1	107-4395	1	VALVE AS						
		1	107-4396	1	GASKET						
	3	1	5P-4106	1	NUT (1-7/16X16 THD)						
	5	1	7K-3176	1	COUPLING AS						
		1	107-4393	1	VALVE AS						
		1	107-4394	1	GASKET						
	6	1	7K-3304	1	NUT-JAM (1-20 THD)						
	7	1	9X-7381	1	SEAL-O-RING						
	8	1	9X-7382	1	SEAL-O-RING						
	9	1	9X-7383	1	SEAL-O-RING						
	10	1	9X-7384	1	SEAL-O-RING (26.7MM ID)						
I	11	1	126-6004	1	HOSE AS						
I	12	1	126-6005	1	HOSE AS						
	13	1	130-1887	1	GASKET						
	14	1	126-6008	1	PLATE						
	15	1	170-3447	1	PLATE						
	16	1	170-3448	1	PLATE						

I-SEE HOSE FABRICATION GUIDE



GRAPHIC #1

g00578164

OPERATOR STATION

114-5141 LINES GP-HEATER

S/N: BPC1-UP

PART OF 139-6112 FUEL AR-CONVENTIONAL FILL, 139-6113 FUEL AR-FAST FILL
AN ATTACHMENT

SMCS-7304

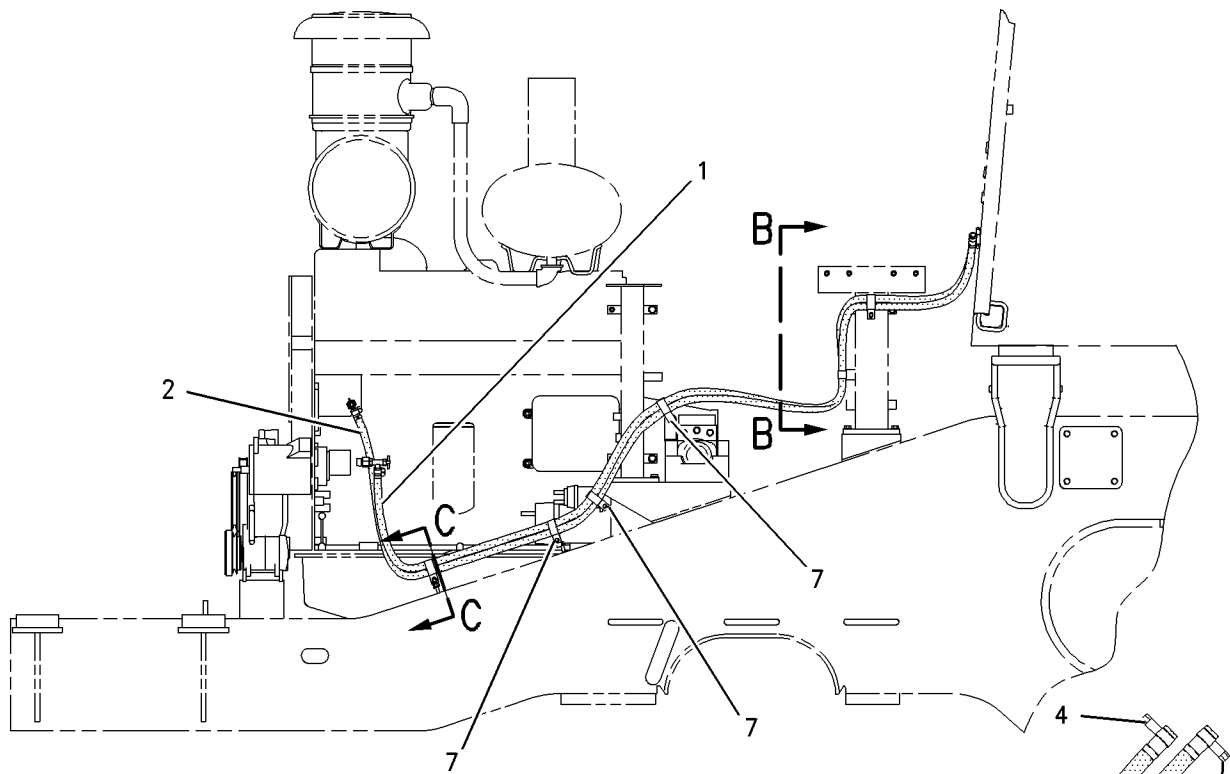
i01624174

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
E	1	1	5P-0767		HOSE (306.4CM)						
E	2	1	5P-0767		HOSE (335.5CM)						
	3	1	6V-7238	2	VALVE-SHUTOFF						
	4	1	9X-2488	4	CLAMP-HOSE						
	5	1	3K-0360	2	SEAL-O-RING						
	6	1	8C-6523	2	ADAPTER-PIPE THREAD						
	7	1	6D-1641	6	CLIP						
E-ORDER BY THE CENTIMETER											

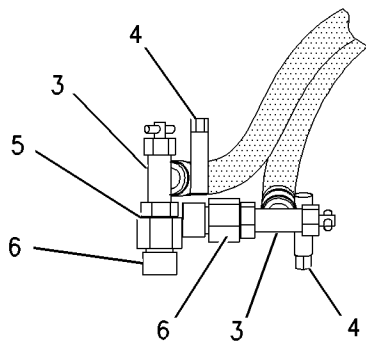
OPERATOR STATION

114-5141 LINES GP-HEATER (contd.)

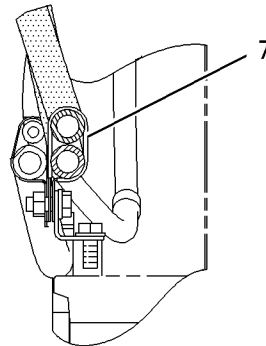
i01624174



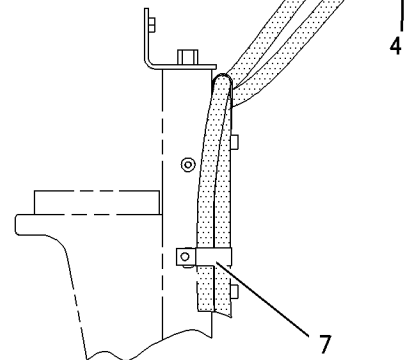
RIGHT SIDE VIEW



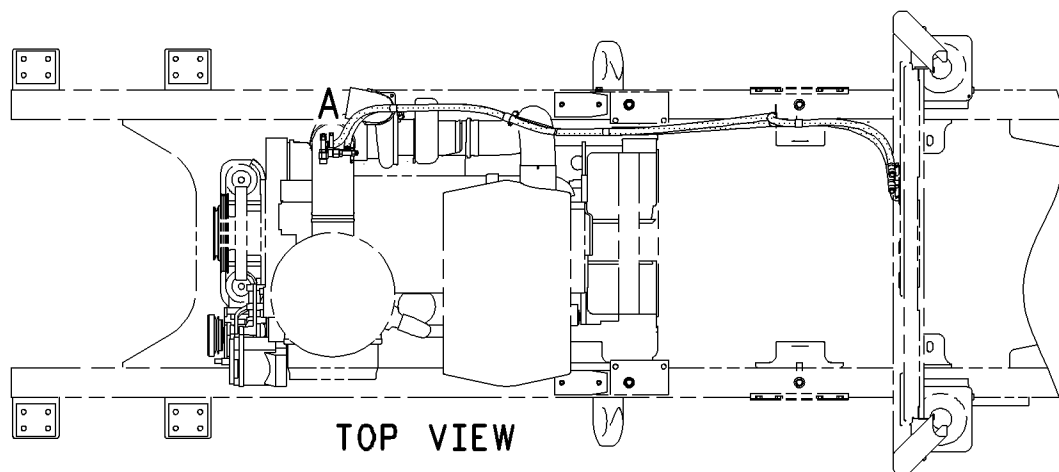
VIEW OF AREA A



SECTION C-C



SECTION B-B



TOP VIEW

GRAPHIC #1

g00840513

OPERATOR STATION

162-5812 LINES GP-HEATER

S/N: BPC1-UP

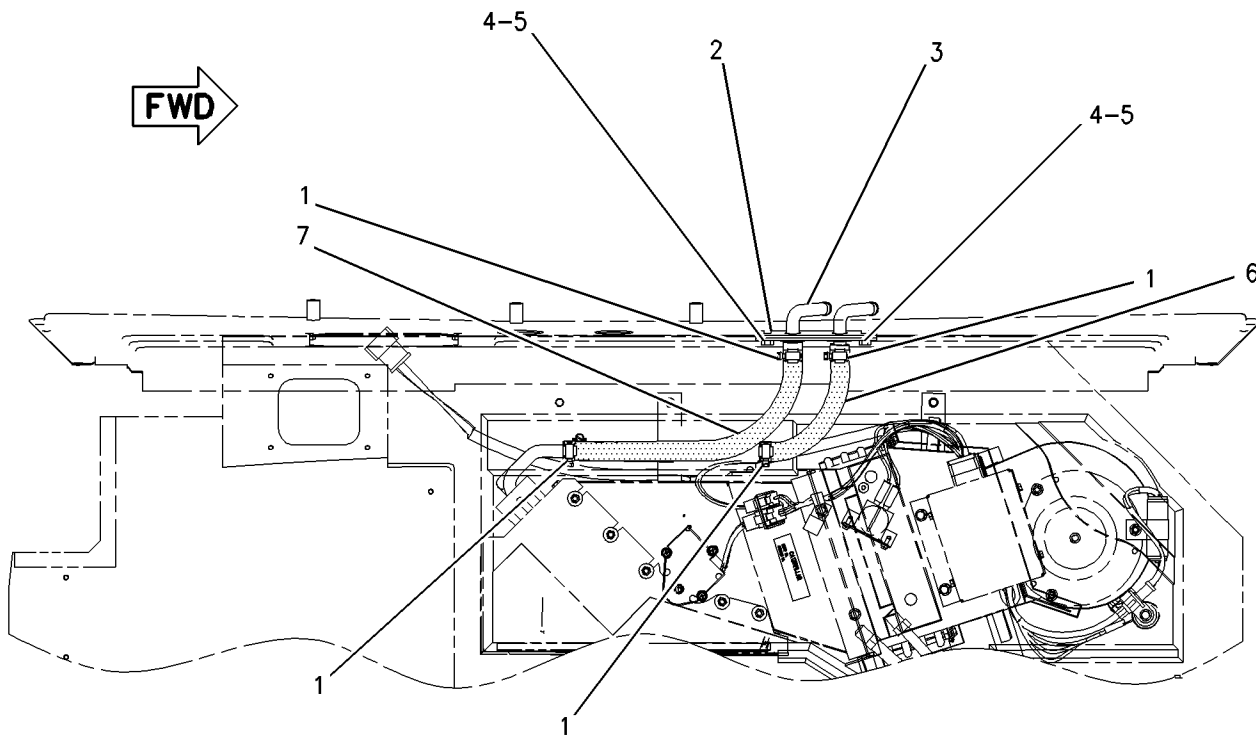
PART OF 147-3120 AIR CONDITIONER & MOUNTING GP

SMCS-7304

i01310067

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-2488	4	CLAMP-HOSE						
	2	1	131-7741	1	GASKET						
	3	1	138-8187	1	PLATE AS						
		1	139-9469	2	TUBE AS						
M	4	1	5C-7261	2	NUT (M8X1.25 THD)						
	5	1	8T-4224	2	WASHER-HARD (8.8X16X2MM THK)						
E	6	1	136-1953		HOSE (22 CM)						
E	7	1	136-1953		HOSE (39 CM)						

E-ORDER BY THE CENTIMETER
M-METRIC PART



TOP VIEW

GRAPHIC #1

g00694206

OPERATOR STATION

6V-1970 LITERATURE GP

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7300, 7400

i01399654

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	5P-8500	2	KEY (MASTER)						
	5P-7958	1	SLEEVE-CABLE SPLICE						

OPERATOR STATION

115-1527 MIRROR GP-REAR VIEW

S/N: BPC1-UP

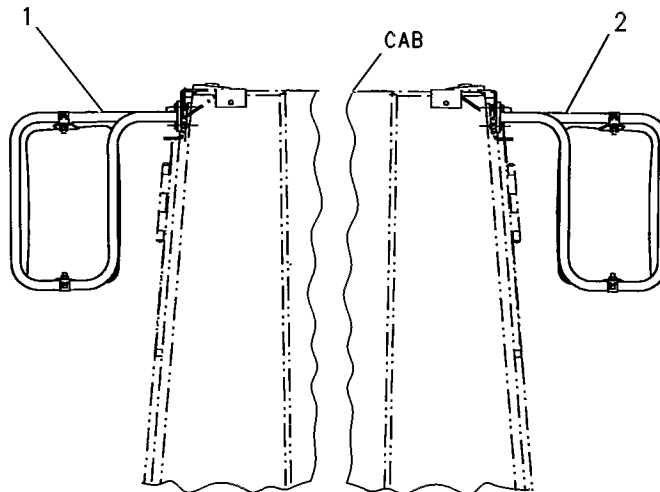
PART OF 203-1568 CHASSIS AR

SMCS-7319

i01167257

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	126-2689	1	MIRROR GP-REAR VIEW (RH)	637
Y	2	1	126-2690	1	MIRROR GP-REAR VIEW (LH)	638

Y-SEPARATE ILLUSTRATION



FRONT VIEW

GRAPHIC #1

g00121138

OPERATOR STATION

126-2689 MIRROR GP-REAR VIEW-RH

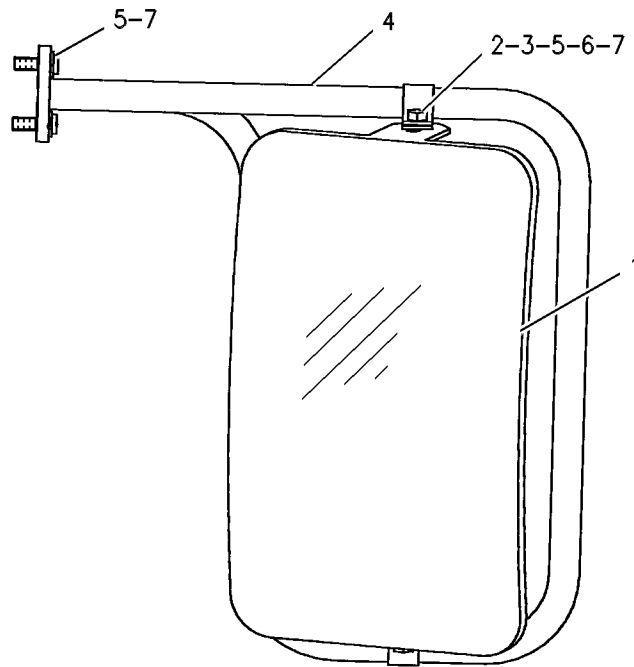
S/N: BPC1-UP

PART OF 115-1527 MIRROR GP-REAR VIEW

SMCS-7319

i01127688

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-6879	1	MIRROR						
	2	1	8T-1889	2	CLIP (SLOT)						
	3	1	8T-1890	2	CLIP (TAB)						
	4	1	126-2691	1	TUBE AS-RH						
	5	1	8T-4121	6	WASHER (2.5MM THK)						
M	6	1	8T-4133	2	NUT (M10X1.50 THD)						
M	7	1	8T-4195	6	BOLT (M10X1.50X30MM)						
M-METRIC PART											



GRAPHIC #1

g00121137

OPERATOR STATION

126-2690 MIRROR GP-REAR VIEW-LH

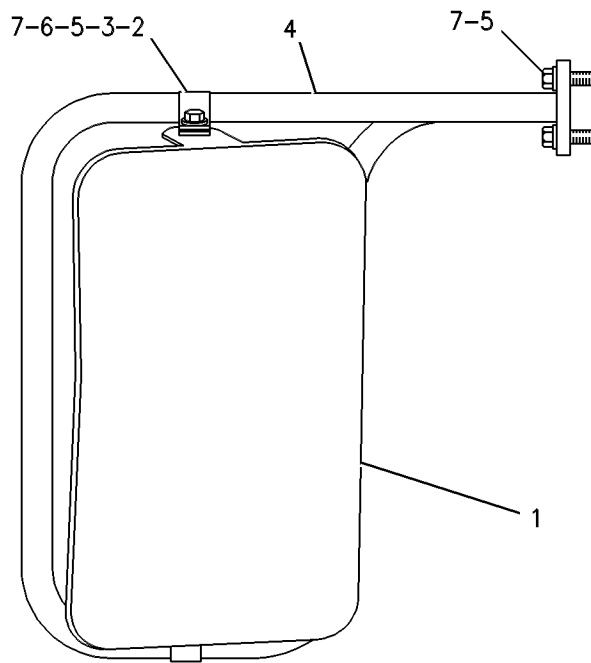
S/N: BPC1-UP

PART OF 115-1527 MIRROR GP-REAR VIEW

SMCS-7319

i01127689

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-6879	1	MIRROR						
	2	1	8T-1889	2	CLIP (SLOT)						
	3	1	8T-1890	2	CLIP (TAB)						
	4	1	126-2692	1	TUBE AS-LH						
	5	1	8T-4121	6	WASHER (2.5MM THK)						
M	6	1	8T-4133	2	NUT (M10X1.50 THD)						
M	7	1	8T-4195	6	BOLT (M10X1.50X30MM)						
M-METRIC PART											



REAR VIEW

GRAPHIC #1

g00121847

OPERATOR STATION

208-7670 MIRROR GP-REAR VIEW

S/N: BPC1-UP

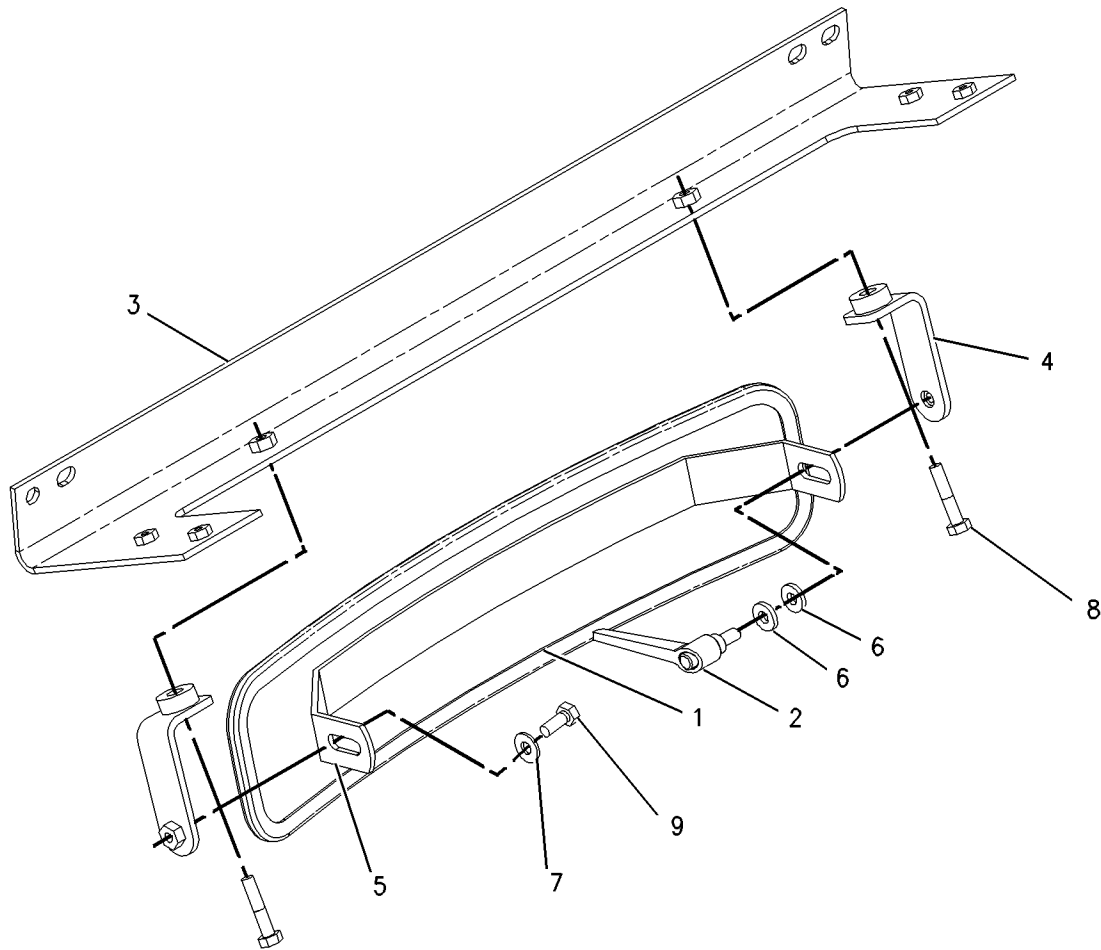
CANNOT BE USED WITH 131-2633 VISOR GP-CAB
AN ATTACHMENT

SMCS-7319

i01622442

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8Y-4512	1	MIRROR						
	2	1	187-2082	1	LEVER-CONTROL						
	3	1	208-5028	1	BRACKET AS						
	4	1	208-6035	1	SUPPORT AS						
	5	1	208-6036	1	SUPPORT AS						
	6	1	187-1878	2	WASHER-PIVOT						
	7	1	5P-4116	1	WASHER-HARD (8.8X20.5X2MM THK)						
M	8	1	6V-5219	2	BOLT (M8X1.25X40MM)						
M	9	1	8T-4189	1	BOLT (M8X1.25X20MM)						

M-METRIC PART



GRAPHIC #1

g00840029

OPERATOR STATION

166-6928 MODULE GP-QUAD GAUGE

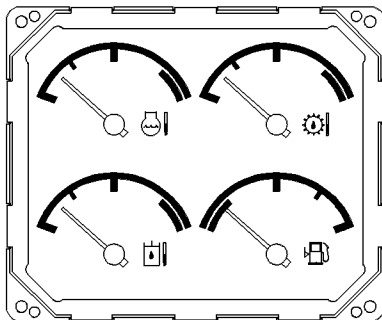
S/N: BPC1-UP

PART OF 202-9747 PANEL GP-INSTRUMENT

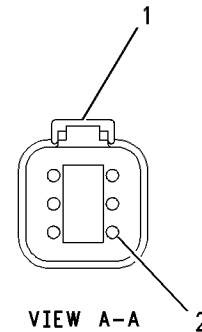
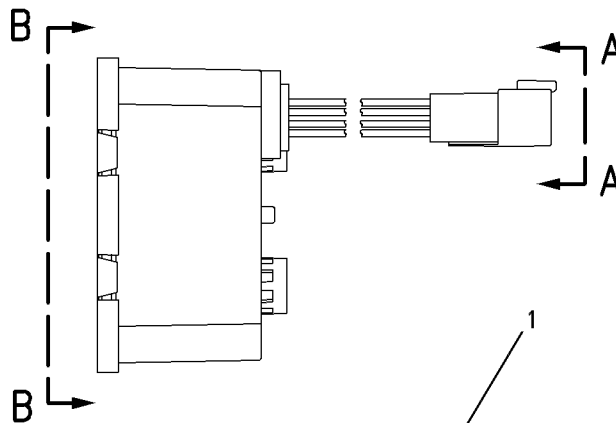
SMCS-7451, 7490, 7601

i01218984

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8805	1	KIT-RECEPTACLE (6 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	2	1	8T-8729	6	PIN-CONNECTOR						



VIEW B-B



VIEW A-A

GRAPHIC #1

g00587276

OPERATOR STATION

155-5789 MOTOR GP-WINDOW WIPER

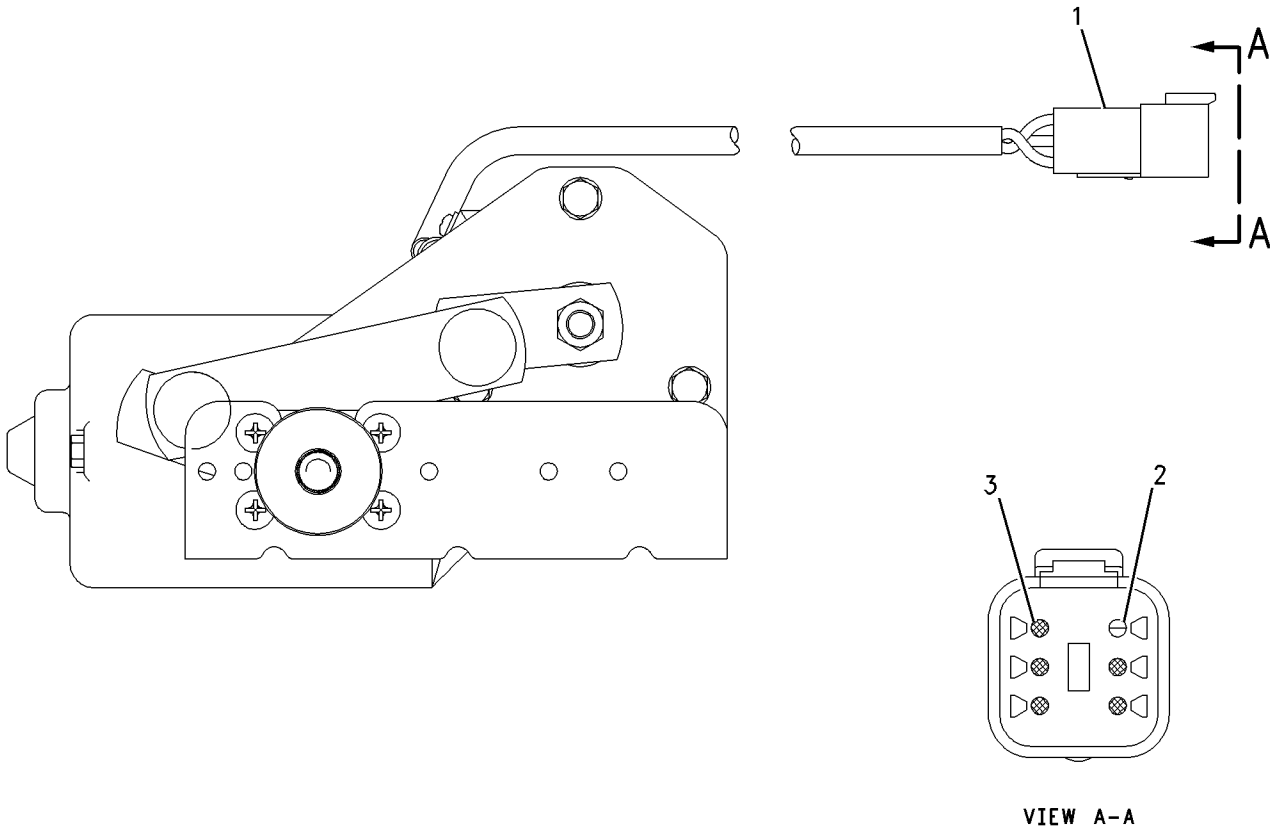
S/N: BPC1-UP

PART OF 109-8196 WIPER GP-WINDOW

SMCS-7305

i01319134

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8805	1	KIT-RECEPTACLE (6 PIN) (INCLUDES RECEPTACLE AS AND WEDGE)						
	2	1	8T-8737	1	PLUG-SEAL						
	3	1	8T-8729	5	PIN-CONNECTOR						



GRAPHIC #1

g00665801

OPERATOR STATION

155-5790 MOTOR GP-WINDOW WIPER

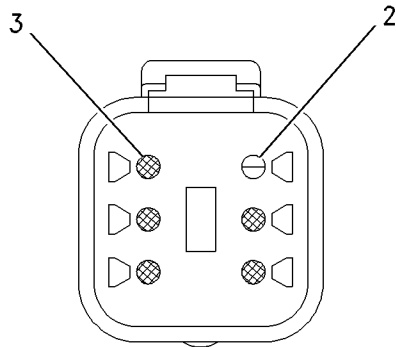
S/N: BPC1-UP

PART OF 109-8196 WIPER GP-WINDOW

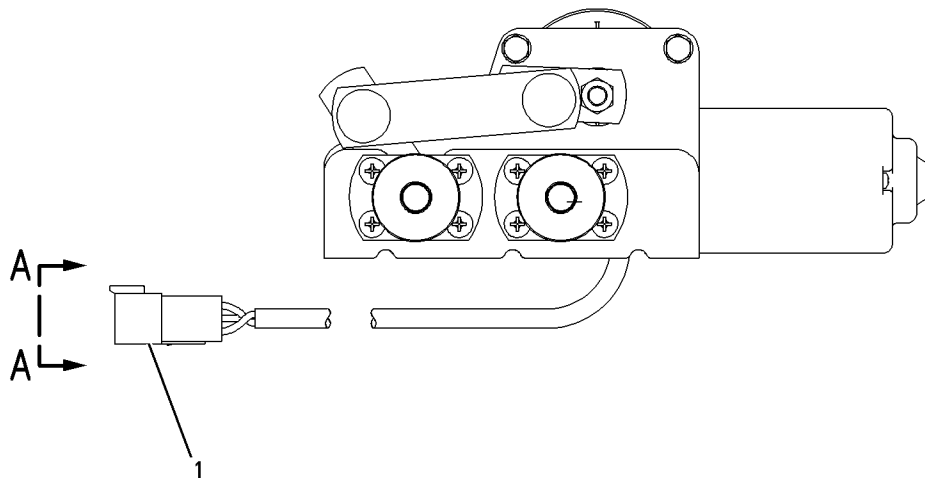
SMCS-7305

i01319138

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	102-8805	1	KIT-RECEPTACLE (6 PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
	2	1	8T-8737	1	PLUG-SEAL						
	3	1	8T-8729	5	PIN-CONNECTOR						



VIEW A-A



GRAPHIC #1

g00668134

MEMORANDA

OPERATOR STATION

177-3606 MOUNTING GP - CAB

S/N: BPC1-UP

PART OF 202-9739 OPERATOR AR

SMCS-7301

i01471422

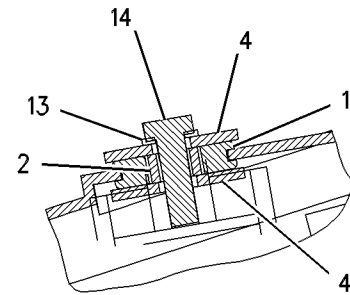
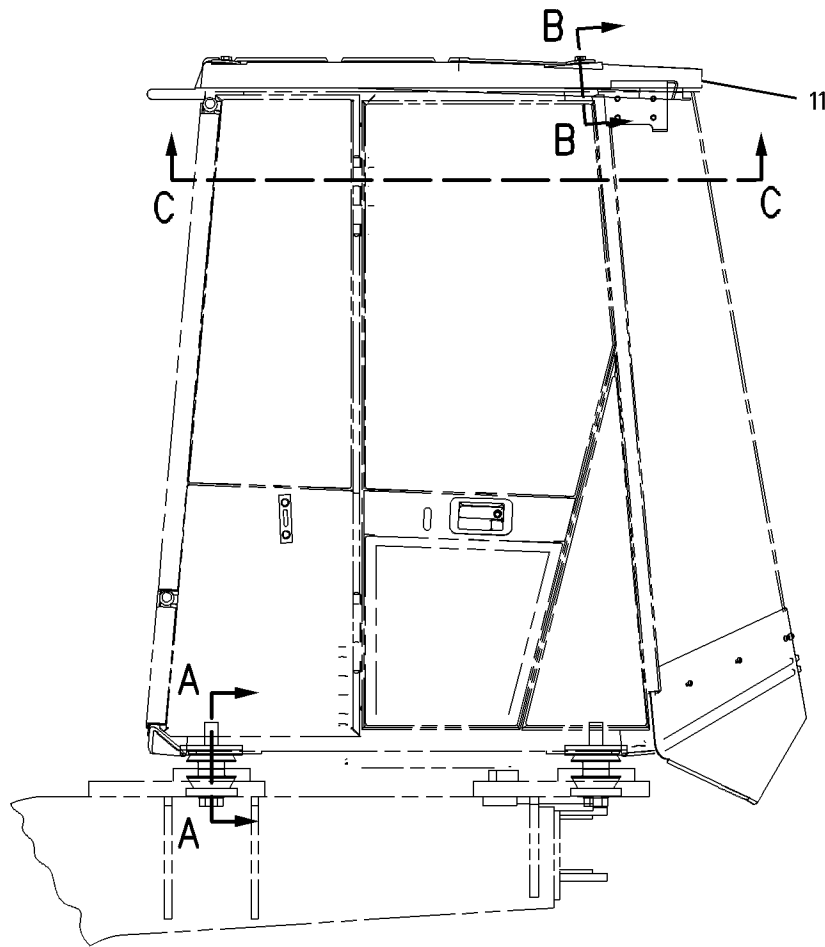
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	6D-5729	4	GROMMET (31.75MM ID)	
	2	1	6P-8875	4	SPACER	
M	3	1	9X-2046	10	SCREW-TRUSS HEAD (M6X1X35MM)	
	4	1	107-3157	8	WASHER (22X76.2X6MM THK)	
	5	1	138-8861	4	WASHER AS	
	6	1	138-8862	8	MOUNT	
	7	1	138-8863	4	SLEEVE	
	8	1	138-8864	4	WASHER	
	9	1	174-2407	1	INSULATION	
	10	1	174-2408	1	INSULATION	
	11	1	199-5510	1	ROOF	
	12	1	177-3580	1	SHROUD	
	13	1	8T-4122	4	WASHER-HARD (17X32X3.5MM THK)	
M	14	1	8T-4193	4	BOLT (M16X2X50MM)	
	15	1	8T-5463	4	WASHER	
M	16	1	9X-6626	4	BOLT (M36X4.0X200MM)	

M-METRIC PART

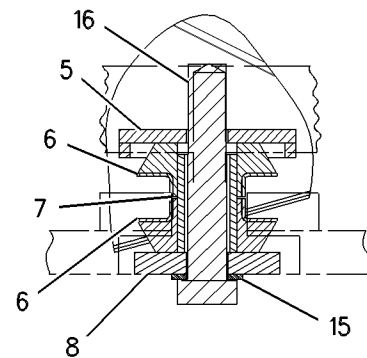
OPERATOR STATION

177-3606 MOUNTING GP-CAB (contd.)

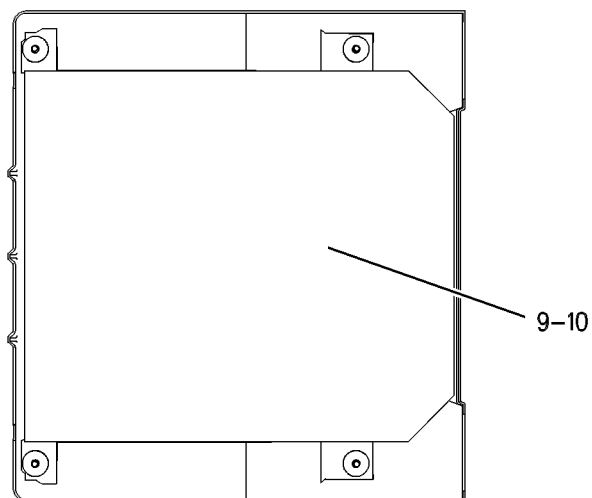
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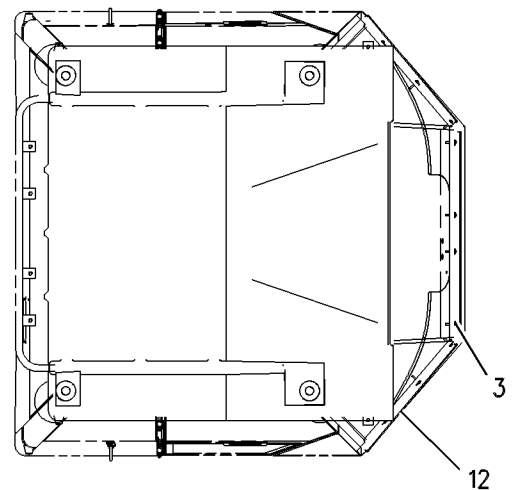
SECTION B-B



SECTION A-A



VIEW C-C



TOP VIEW

GRAPHIC #1

g00649782

OPERATOR STATION

202-9739 OPERATOR AR

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7301, 7325, 7335

i01622259

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	202-9743	1	CAB AR						603
Y	162-6884	1	INSTALLATION GP-CONTROLS						620
Y	177-3606	1	MOUNTING GP-CAB						644
Y-SEPARATE ILLUSTRATION									

OPERATOR STATION

178-0605 PAN GP-BACKREST

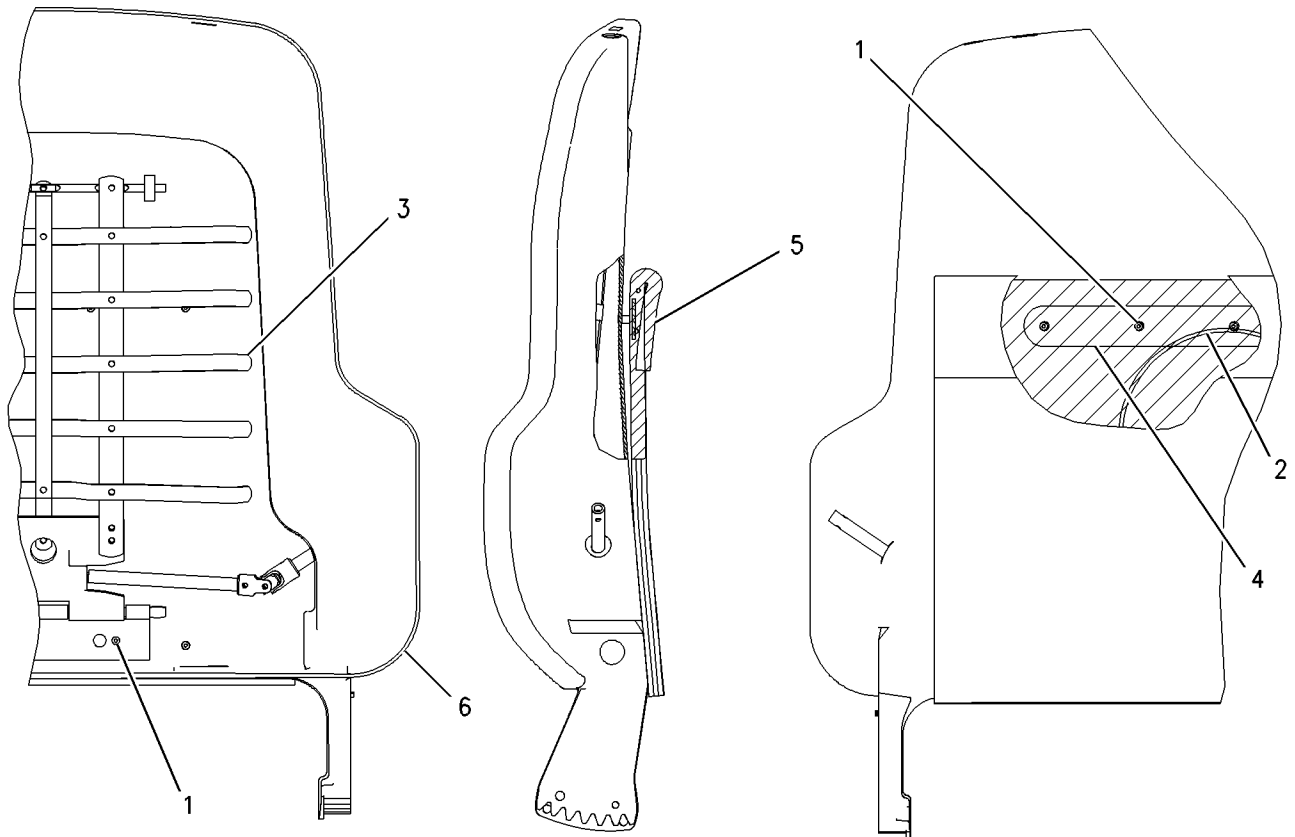
S/N: BPC1-UP

PART OF 178-0604 PAN GP-SEAT

SMCS-7312

i01508995

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4K-9429	8	RIVET-POP						
	2	1	5P-7957	1	LANYARD						
	3	1	136-1543	1	PLATE AS-LUMBAR						
	4	1	173-2052	1	RETAINER						
	5	1	178-7907	1	HOLDER						
	6	1	177-4930	1	PAN AS-BACK						



GRAPHIC #1

g00716497

OPERATOR STATION

178-0604 PAN GP-SEAT-CLOTH

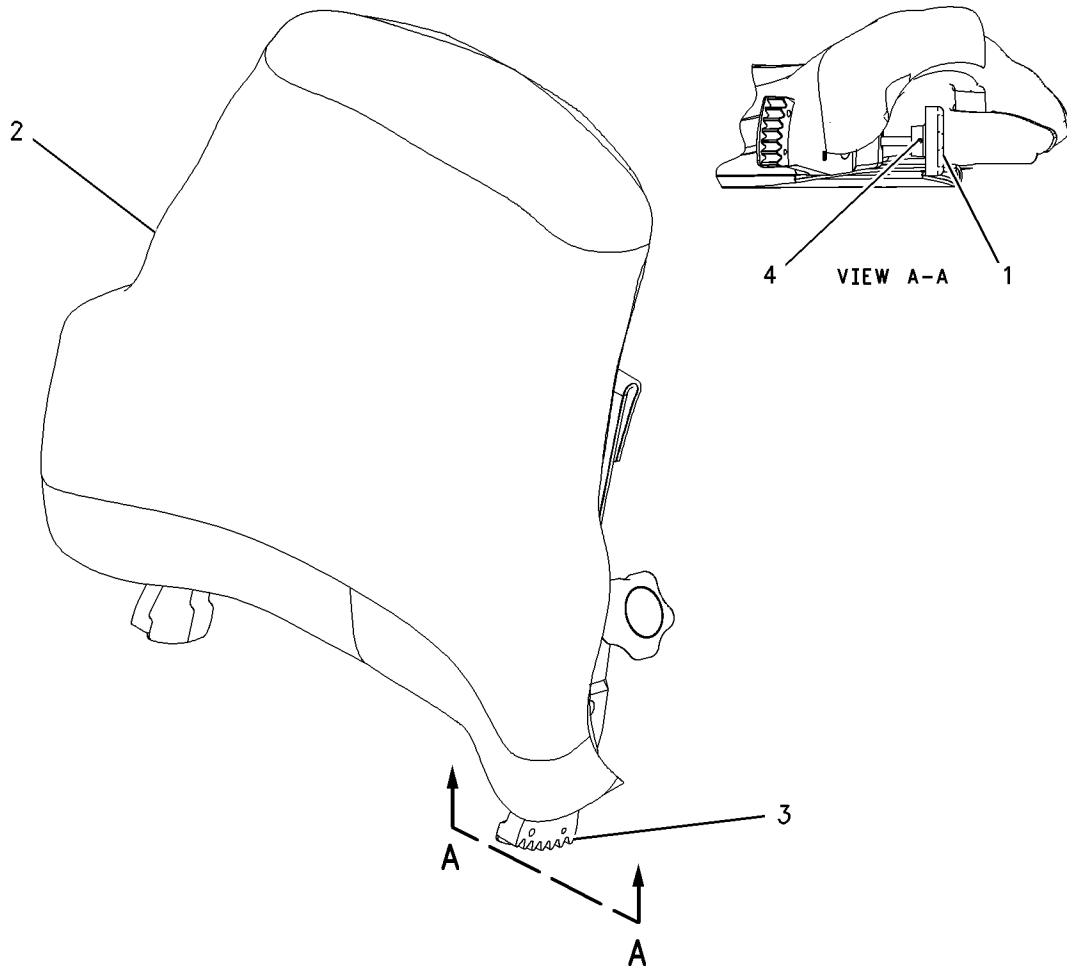
S/N: BPC1-UP

PART OF 178-0603 SEAT GP

SMCS-7312

i01508732

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	164-4883	1	KNOB - LUMBAR						
	2	1	169-0651	1	CUSHION AS						
Y	3	1	178-0605	1	PAN GP - BACKREST						647
	4	1	8T-7566	1	PIN - SPRING						
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

g00727710

MEMORANDA

OPERATOR STATION

144-2622 PANEL GP - INSTRUMENT-UPPER

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-7451

i01624164

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	2H-3920	2	LOCKWASHER	
	2	2	3E-0109	9	PLUG-ROCKER SWITCH	
Y	3	2	3E-6328	1	ALARM GP (ACTION)	125
Y	4	1	3E-6389	2	LAMP GP-DOME (24 VOLT, WITH SWITCH)	151
	5	2	5S-4245	4	SCREW-MACHINE (4-40X0.5IN)	
	6	2	6B-4540	4	NUT (4-40 THD)	
	7	2	6V-8369	2	NUT (7/16-28 THD)	
	8	2	7K-1181	4	STRAP-CABLE	
	9	2	7N-5876	2	LAMP (24 VOLT)	
	10	2	096-5962	4	WASHER-HARD (3.4X7X0.8MM THK)	
Y	11	2	103-5526	1	CONTROL GP-MONITOR SYS DIMMER	608
	12	2	104-2091	2	SCREW-FLAT HEAD (6-20X0.5 IN)	
	13	2	108-3320	1	SWITCH AS-ROTARY (RUNNING/FLOOD/PANEL/TAIL LIGHT)	
		2	3E-3389	1	WEDGE-RECEPTACLE LOCK	
		2	9W-0852	8	PIN-CONNECTOR	
		2	102-8806	1	KIT-RECEPTACLE (8 PIN)	
14	2	2	110-6109	6	KNOB-CONTROL	
15	2	2	110-7886	1	SWITCH AS-WIPER (FRONT INTERMITTENT)	
		2	2H-3920	1	LOCKWASHER	
		2	3E-3389	1	WEDGE-RECEPTACLE LOCK	
		2	6V-8369	1	NUT (7/16-28 THD)	
		2	8T-8729	3	PIN-CONNECTOR	
		2	8T-8737	1	PLUG-SEAL	
		2	9W-0852	4	PIN-CONNECTOR	
		2	102-8806	1	KIT-RECEPTACLE (8 PIN)	
16	2	2	112-5419	1	BEZEL-RH	
17	2	2	138-4837	1	BEZEL (LH)	
18	2	2	112-5421	1	STRIP	
19	2	2	112-6174	1	SWITCH AS-ROTARY (24 VOLT) (REAR WIPER)	
		2	2H-3920	1	LOCKWASHER	
		2	3E-3389	1	WEDGE-RECEPTACLE LOCK	
		2	6V-8369	1	NUT (7/16-28 THD)	
		2	8T-8729	6	PIN-CONNECTOR	
		2	8T-8737	2	PLUG-SEAL	
		2	102-8806	1	KIT-RECEPTACLE (8 PIN)	
20	2	2	113-0002	2	STRIP AS	
21	2	2	117-2311	1	RECEPTACLE AS-POWER (12 VOLT)	
22	2	2	123-6383	2	SWITCH AS-ROTARY (TMSN AUTO/MANUAL SELECTOR) (EACH INCLUDES)	
		2	3E-3383	1	WEDGE-RECEPTACLE LOCK	
		2	8T-8737	1	PLUG-SEAL	
		2	9W-0852	5	PIN-CONNECTOR	
		2	102-8805	1	KIT-RECEPTACLE (6 PIN)	
23	2	2	127-4540	1	POTENTIOMETER AS (TEMPERATURE SELECTOR)	
		2	3S-2093	1	STRAP-CABLE	
		2	9W-0852	3	PIN-CONNECTOR	
		2	102-8803	1	KIT-RECEPTACLE (3 PIN)	
24	2	2	136-4802	1	HARNESS AS-POWER (INSTRUMENT PANEL)	
		2	155-2270	1	KIT-CONNECTING PLUG (2 PIN)	
		2	102-8801	1	KIT-RECEPTACLE (12 PIN)	
		2	8L-8413	4	STRAP-CABLE	
		2	8T-8737	5	PLUG-SEAL	
C	25	2	211-4983	1	PANEL AS	
C	26	2	211-3529	1	FILM	
	27	2	116-0434	1	FILM-UPPER PANEL (RH-FRONT)	

OPERATOR STATION

144-2622 PANEL GP - INSTRUMENT (contd.)

i01624164

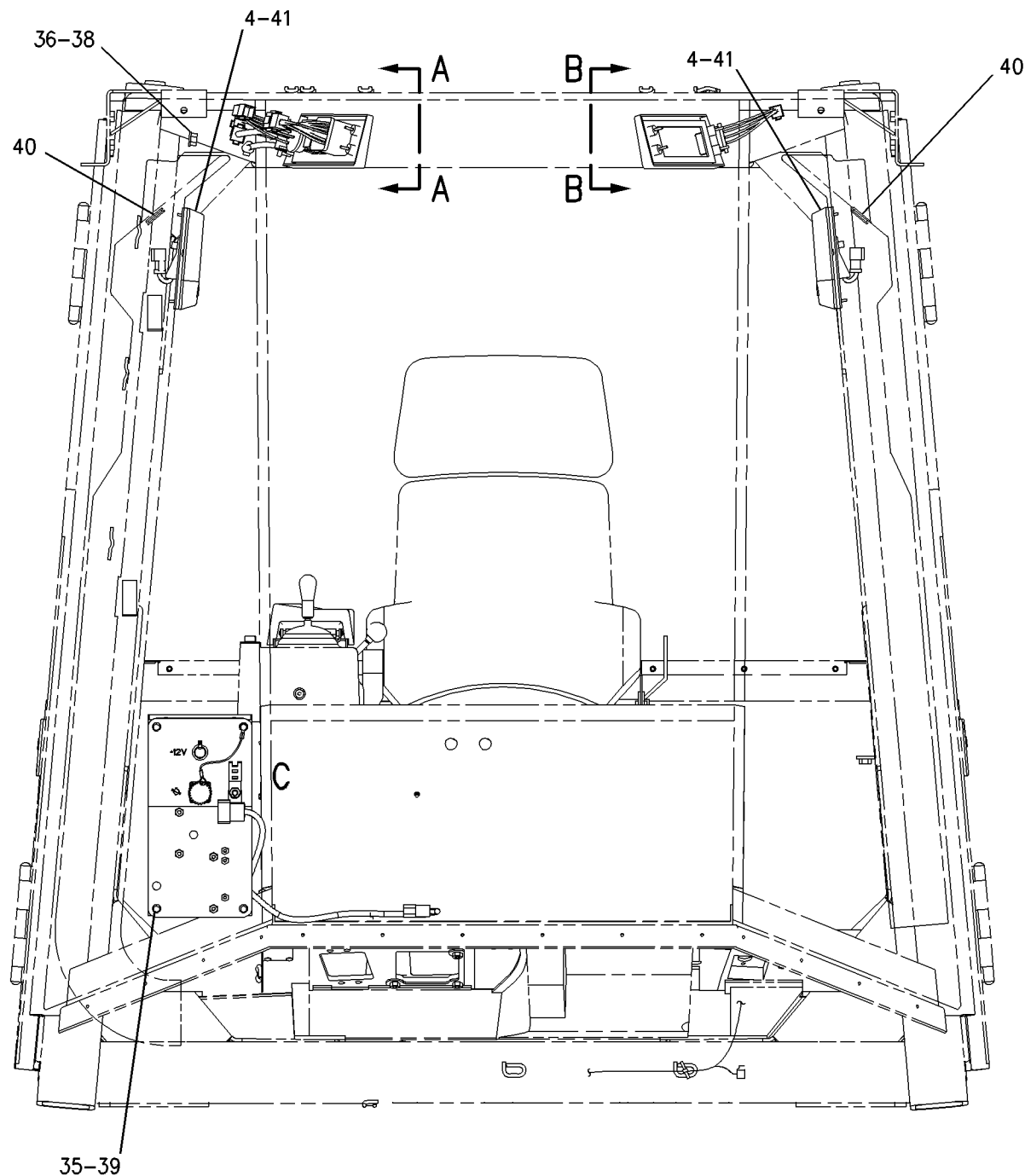
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	28	2	138-7822	1	FILM-UPPER PANEL (RH-REAR)	
	29	2	5P-7958	1	SLEEVE-CABLE SPLICE	
	30	2	180-2556	1	SWITCH AS (STAIRWAY ACCESS LIGHT)	
	31	2	165-5963	1	SWITCH AS-ROCKER (HEATER/AC SELECTOR)	
	32	2	180-2564	1	SWITCH AS-ROCKER (FAN BLOWER SPEED)	
M	33	2	5C-2890	1	NUT (M6X1 THD)	
M	34	2	5C-7261	4	NUT (M8X1.25 THD)	
	35	1,2	8T-4205	5	WASHER-HARD (7.2X14.5X2MM THK)	
	36	1	8T-4223	1	WASHER-HARD (13.5X25.5X3MM THK)	
	37	2	8T-4224	4	WASHER-HARD (8.8X16X2MM THK)	
M	38	1	8T-4244	1	NUT (M12X1.75 THD)	
M	39	1,2	8T-4970	4	BOLT (M6X1X14MM)	
	40	1	9G-2673	2	GROMMET	
M	41	1,2	9X-1046	18	SCREW (M4X0.7X18MM)	
M	42	2	9X-2480	2	BOLT (M6X1.0X45MM)	
	43	2	4P-7581	1	CLIP	
M	44	2	8T-4133	1	NUT (M10X1.5 THD)	
	45	2	130-5300	1	CLIP	
	46	2	138-7823	1	FILM-UPPER PANEL (LH)	
	47	2	180-2549	1	SWITCH AS-ROCKER	
	48	2	179-9392	1	LANYARD	
C-CHANGE FROM PREVIOUS TYPE						
M-METRIC PART						
Y-SEPARATE ILLUSTRATION						

OPERATOR STATION

144-2622 PANEL GP - INSTRUMENT (contd.)

i01624164

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

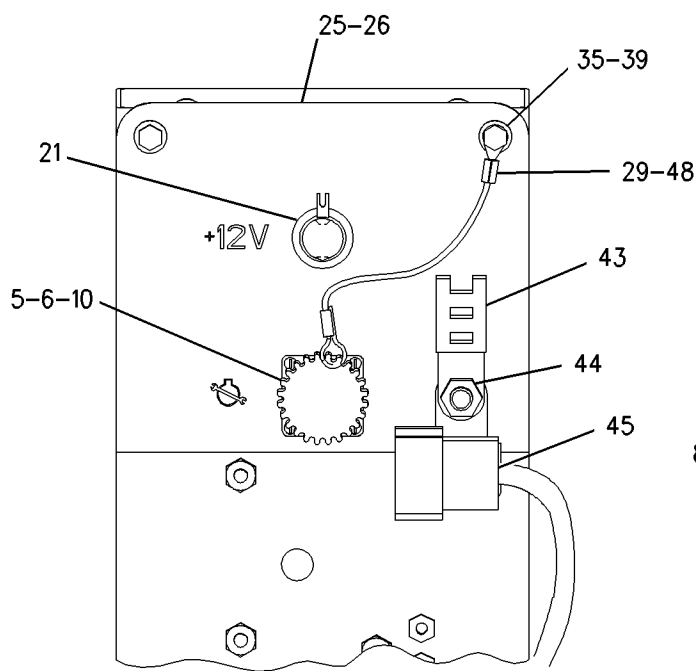


FRONT VIEW

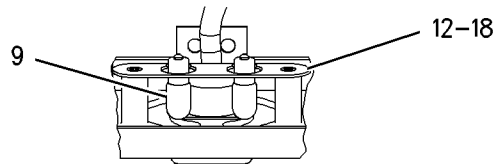
OPERATOR STATION

144 - 2622 PANEL GP - INSTRUMENT (contd.)

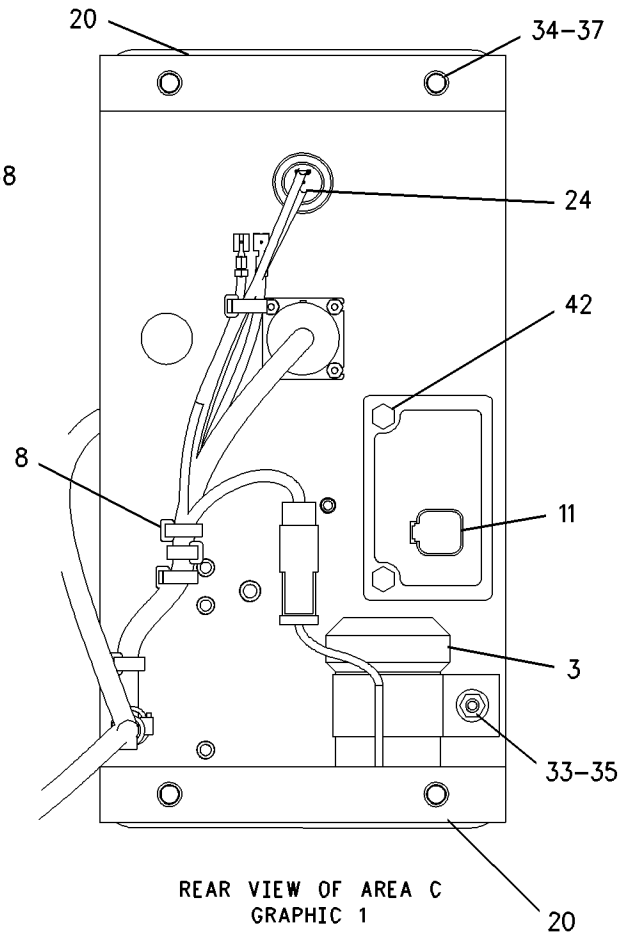
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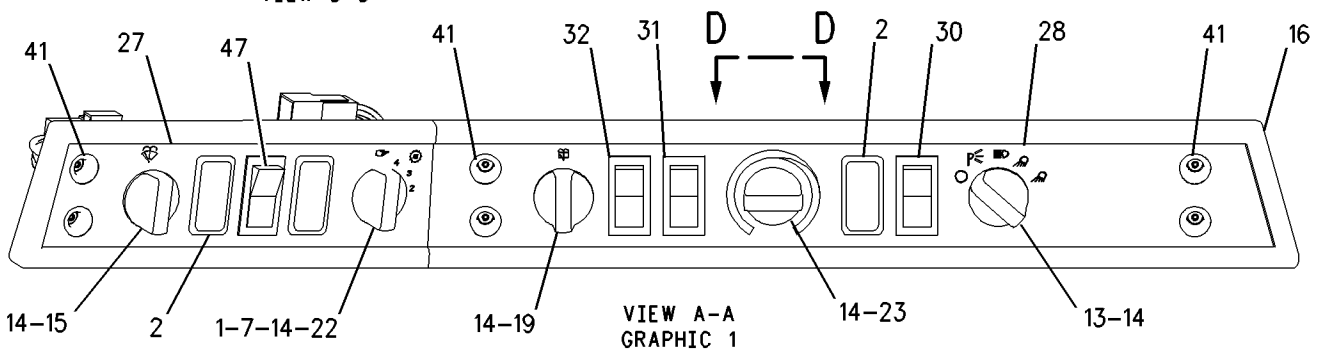
VIEW OF AREA C
GRAPHIC 1



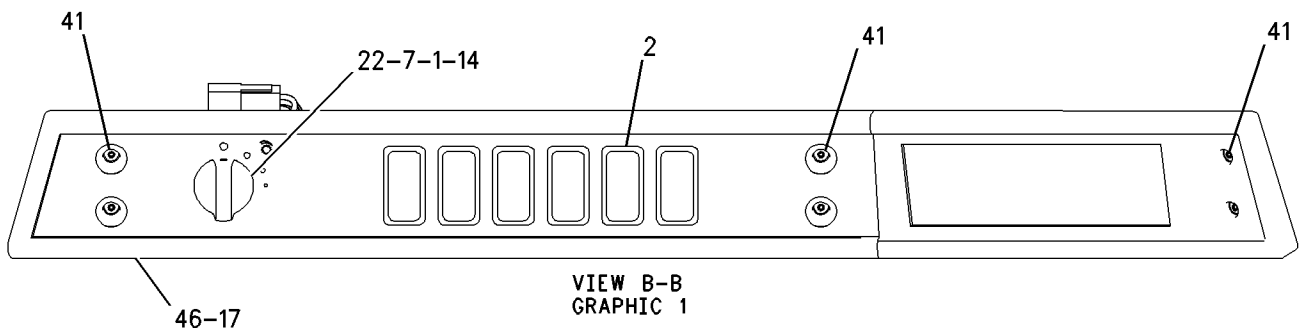
VIEW D-D



REAR VIEW OF AREA C
GRAPHIC 1



VIEW A-A
GRAPHIC 1



VIEW B-B
GRAPHIC 1

GRAPHIC #2

g00840613

OPERATOR STATION

202-9747 PANEL GP - INSTRUMENT-LOWER

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-7451

i01627660

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3E-0109	1	PLUG-ROCKER SWITCH	
	2	1	3S-2093	2	STRAP-CABLE	
	3	1	7N-5876	4	LAMP (24 VOLT)	
	4	1	110-4215	1	BEZEL	
	5	1	110-4216	1	BEZEL-RH	
	6	1	110-4217	1	BEZEL-LH	
	7	1	110-7887	1	SWITCH GP-START (KEY)	
		1	3E-3377	1	WEDGE-RECEPTACLE LOCK	
		1	7T-6799	1	NUT-MOUNTING (1-32 THD)	
		1	8T-8729	4	PIN-CONNECTOR	
		1	102-8804	1	KIT-RECEPTACLE (4 PIN)	
	8	1	110-4218	1	MODULE AS-LIGHT	
M		1	7X-3319	2	SCREW-HEX SOCKET (M4X0.7X6MM)	
		1	112-5928	1	PLATE	
	9	1	153-0462	1	PLUG AS	
Y	10	1	154-7443	1	CONTROL GP-MONITOR (CATERPILLAR MONITORING SYSTEM)	607
	11	1	155-7447	1	FILM-MONITOR	
	12	1	163-1882	1	LAMP	
	13	1	163-1883	3	LAMP-YELLOW	
Y	14	1	166-6928	1	MODULE GP-QUAD GAUGE	640
	15	1	170-1303	1	SWITCH AS-ROCKER (OPERATOR MONITOR MODE SELECTOR)	
	16	1	170-1307	1	SWITCH AS-ROCKER (ETHER START AID)	
	17	1	178-8583	1	MODULE GP-SPEEDOMETER & TACH	
	18	1	188-3736	1	SWITCH AS-ROCKER (THROTTLE LOCK)	
	19	1	207-7894	1	HARNESS AS-PANEL (INSTRUMENT)	
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)	
		1	102-8806	1	KIT-RECEPTACLE (8 PIN)	
		1	102-8801	1	KIT-RECEPTACLE (12 PIN)	
		1	155-2255	1	KIT-CONNECTING PLUG (12 PIN)	
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN)	
		1	155-2271	1	KIT-CONNECTING PLUG (4 PIN)	
		1	155-2274	3	KIT-CONNECTING PLUG (6 PIN)	
		1	8L-8413	50	STRAP-CABLE	
		1	8T-8737	39	PLUG-SEAL	
		1	8T-9834	1	PLUG AS-CONNECTOR (40 PIN)	
		1	9X-1343	1	RECEPTACLE AS (40 PIN)	
		1	9X-7145	1	RECEPTACLE AS (24 PIN)	
	20	1	212-4607	1	FILM	
	21	1	8T-4223	1	WASHER-HARD (13.5X25.5X3MM THK)	
M	22	1	8T-4244	1	NUT (M12X1.75 THD)	
	23	1	9M-8406	2	CLIP	
M	24	1	9X-1046	24	SCREW (M4X0.7X18MM)	

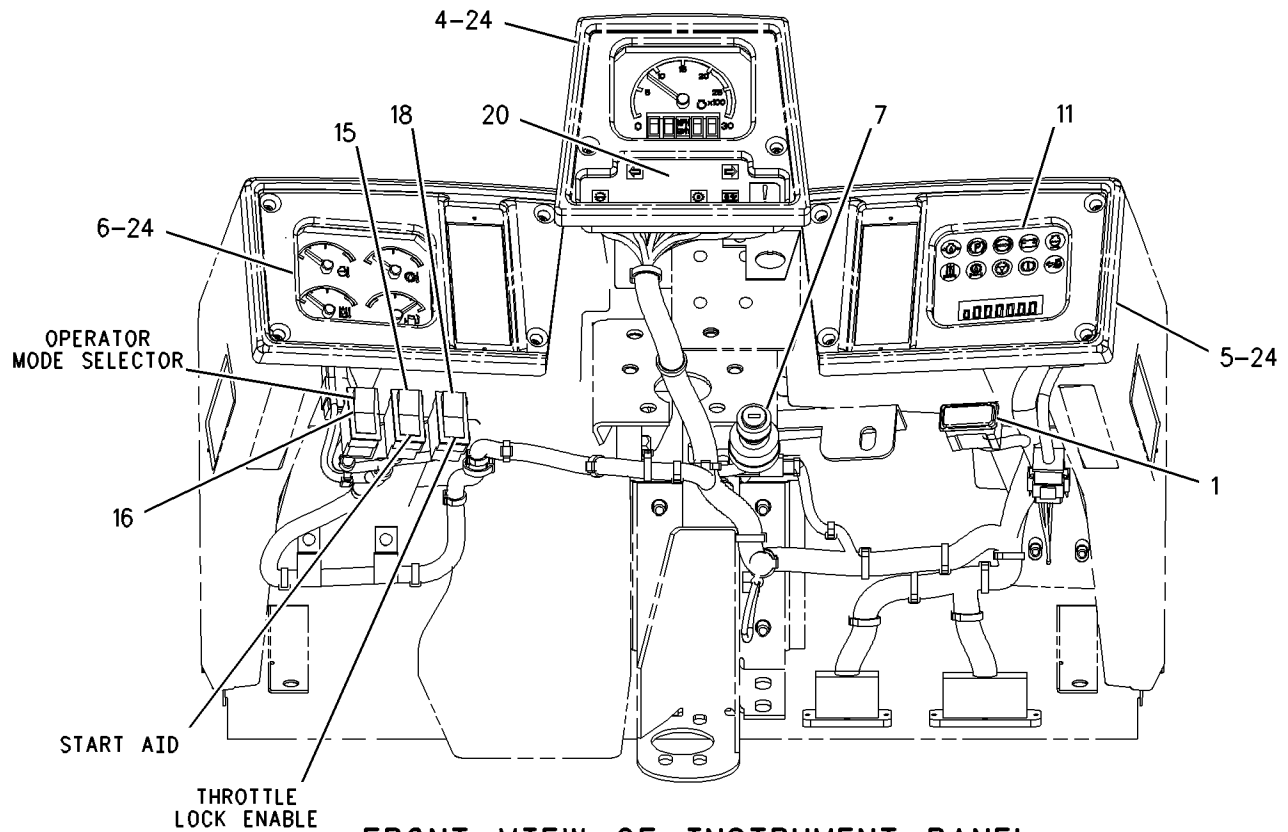
M-METRIC PART

Y-SEPARATE ILLUSTRATION

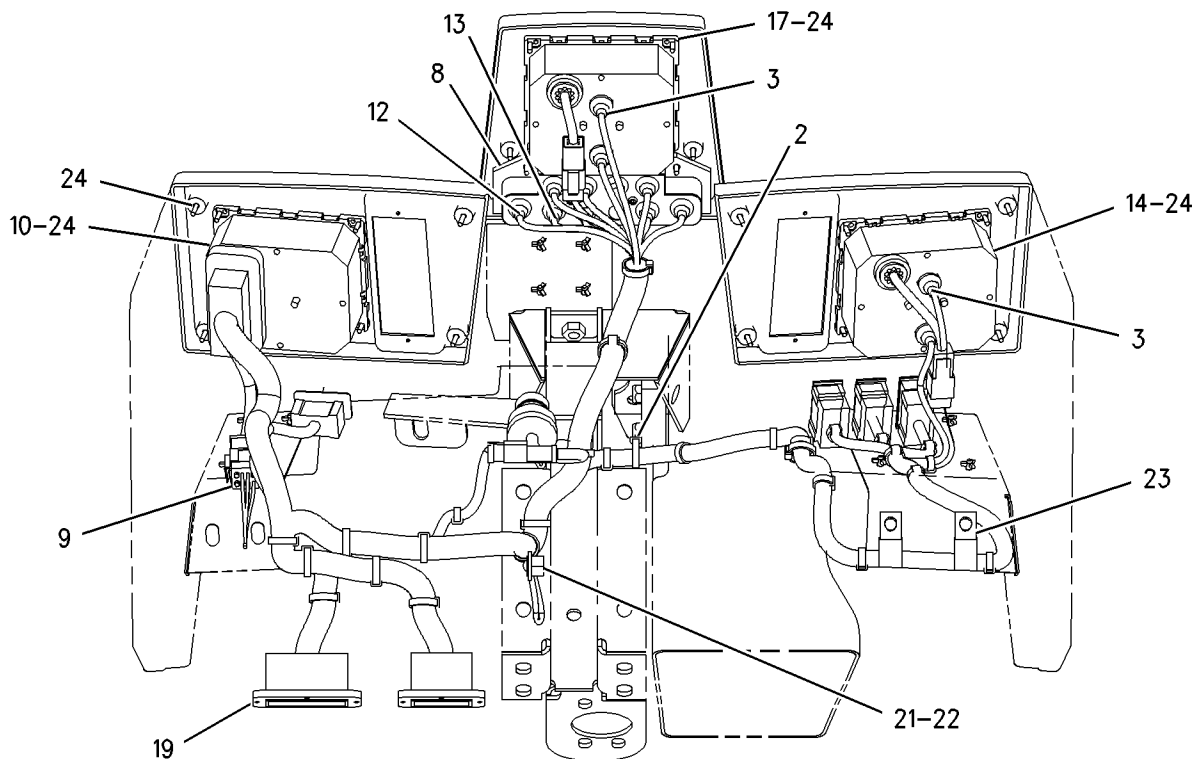
OPERATOR STATION

202-9747 PANEL GP - INSTRUMENT (contd.)

i01627660



FRONT VIEW OF INSTRUMENT PANEL



REAR VIEW OF INSTRUMENT PANEL

GRAPHIC #1

g00843269

OPERATOR STATION

130-8176 PEDAL GP-GOVERNOR

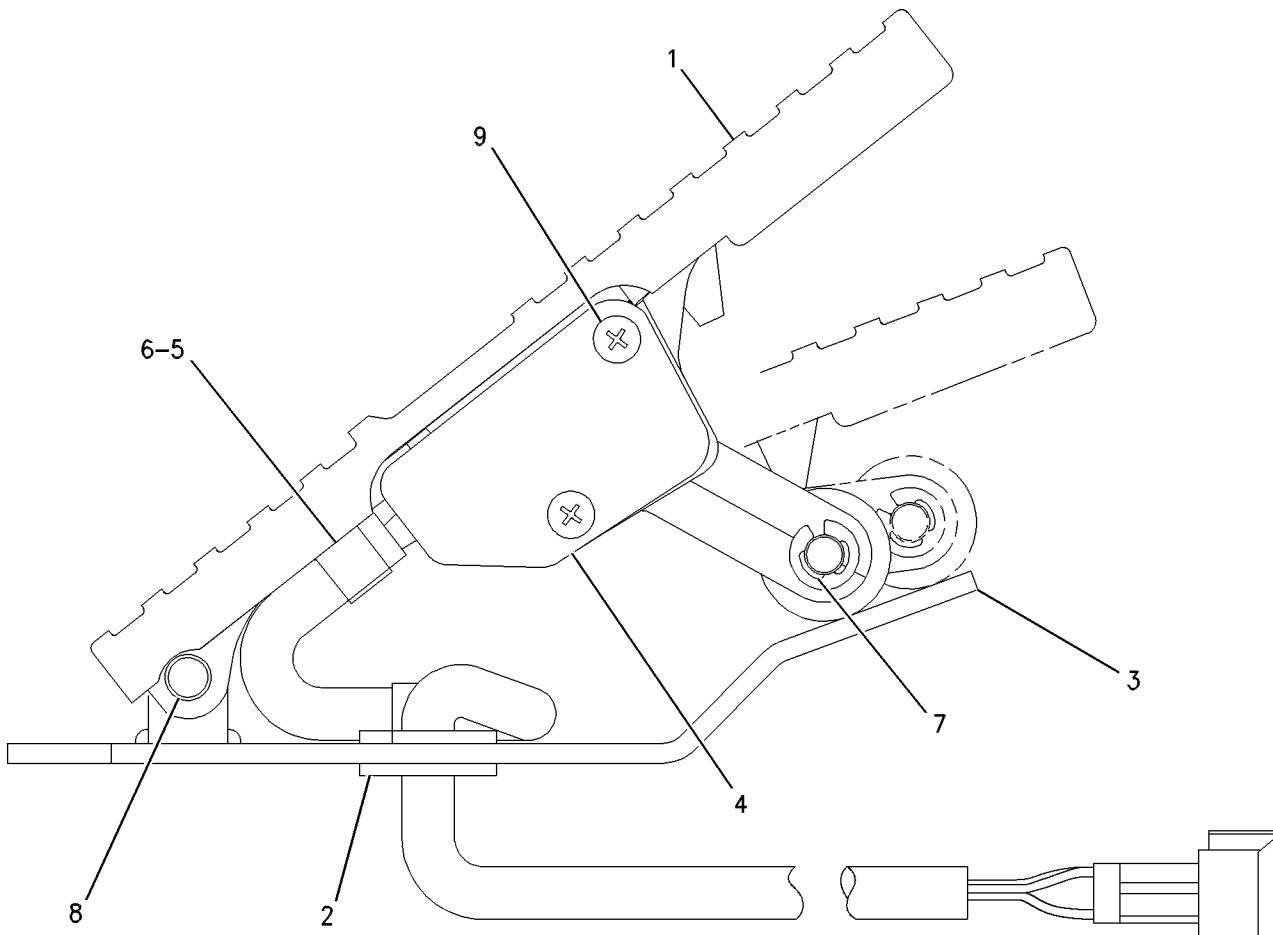
S/N: BPC1-UP

PART OF 141-4645 PEDAL GP-GOVERNOR

SMCS-1276

i01327662

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	123-9431	1	COVER	
	2	1	7G-7053	1	GROMMET	
	3	1	160-6353	1	PLATE AS	
Y	4	1	176-1602	1	SENSOR GP-POSITION (THROTTLE)	178
	5	1	160-6365	2	SCREW	
	6	1	160-6366	2	CLIP	
	7	1	140-2961	1	KIT-ROLLER (INCLUDES SNAP RING, ROLLER AND ROLLER PIN)	
	8	1	140-2962	1	KIT-TREADLE PIN (BUSHINGS, SNAP RING AND TREADLE PIN)	
	9	1	140-2963	2	SCREW	
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

g00495129

OPERATOR STATION

141-4645 PEDAL GP-GOVERNOR

S/N: BPC1-UP

PART OF 202-9743 CAB AR

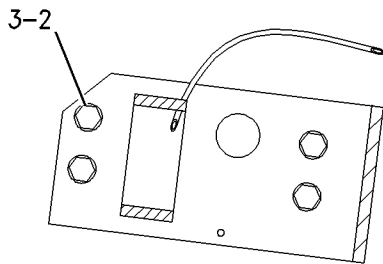
SMCS-1276

i01501848

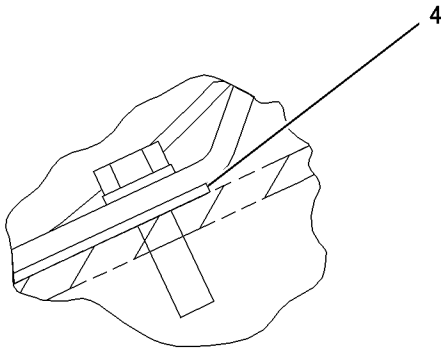
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	130-8176	1	PEDAL GP-GOVERNOR						656
	2	1	8T-4224	4	WASHER-HARD (8.8X16X2MM THK)						
M	3	1	8T-7547	4	BOLT (M8X1.25X30MM)						
	4	1	136-3970	1	GASKET						

M-METRIC PART

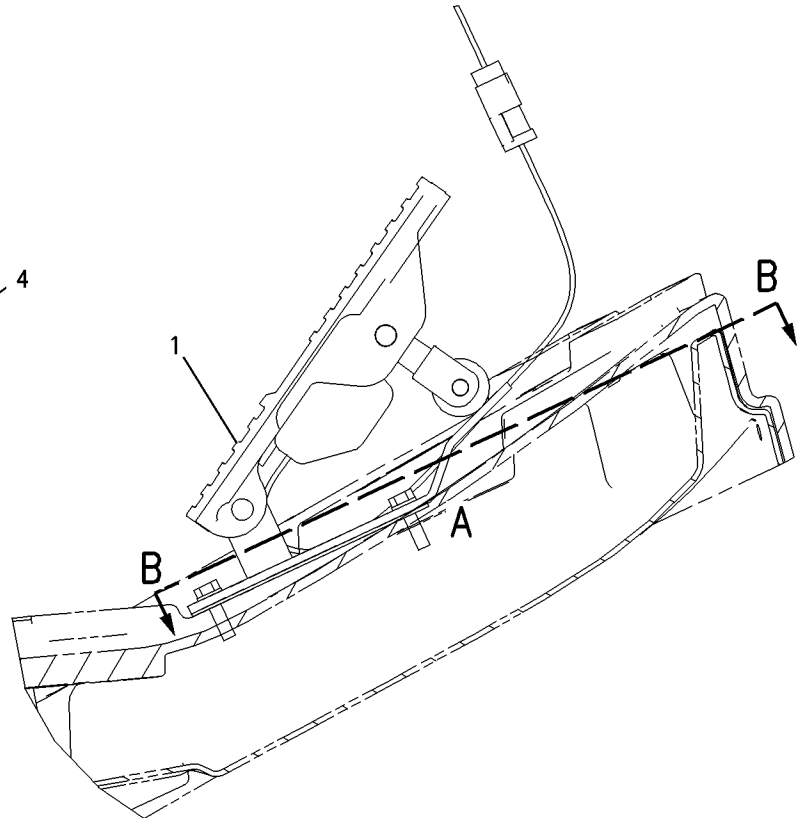
Y-SEPARATE ILLUSTRATION



SECTION B-B



VIEW OF AREA A



GRAPHIC #1

g00779453

OPERATOR STATION

173-1028 PLATE GP-SLIDE

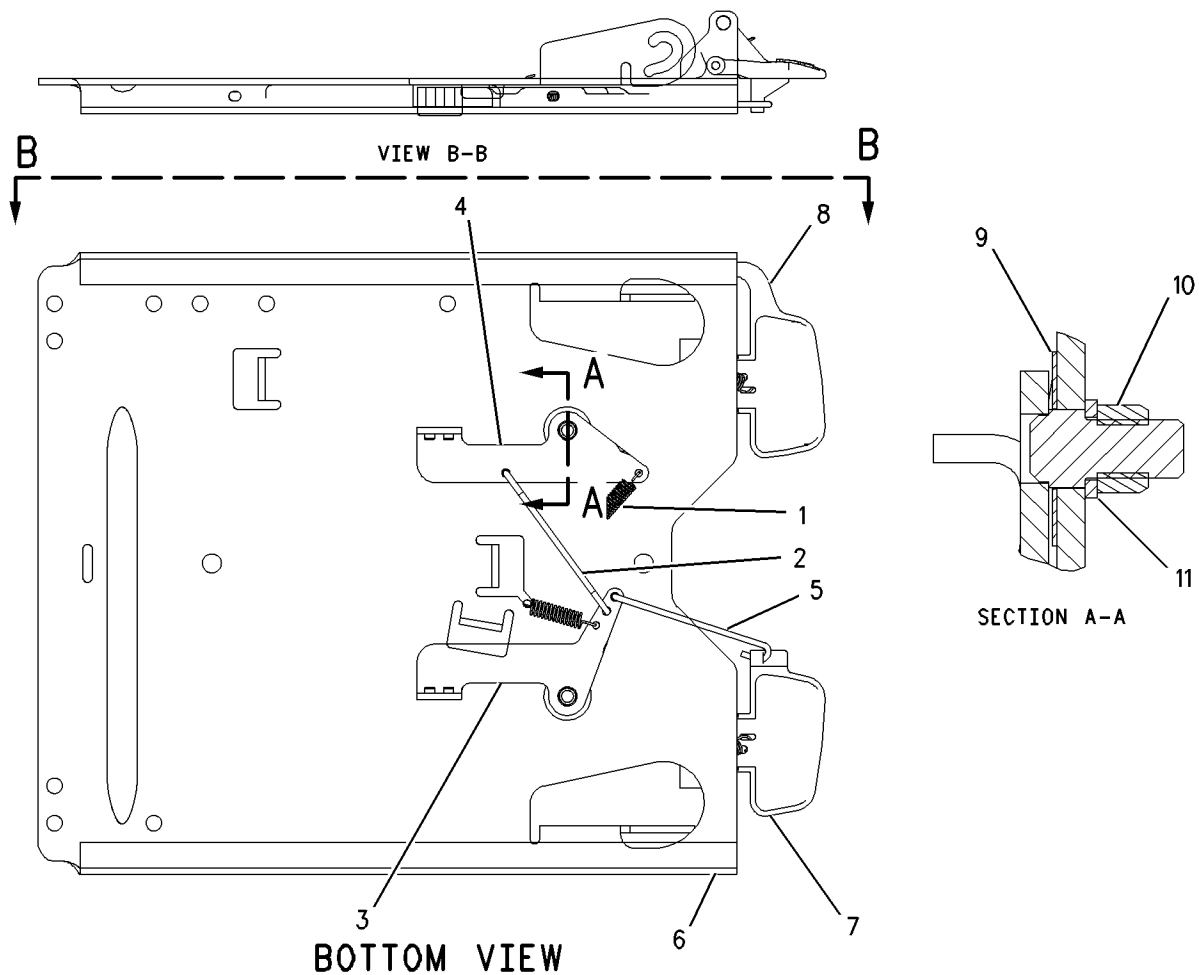
S/N: BPC1-UP

PART OF 178-0603 SEAT GP

SMCS-7312

i01561316

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4V-8256	4	SPRING						
	2	1	117-4492	1	ROD						
	3	1	136-1544	1	LATCH AS-LH						
	4	1	156-5545	1	LATCH AS-RH						
	5	1	164-4531	1	ROD						
	6	1	170-1112	1	PLATE AS						
	7	1	170-1114	1	HANDLE (SLIDE ADJUSTMENT)						
	8	1	170-1115	1	HANDLE (TILT ADJUSTMENT)						
	9	1	132-0338	2	WASHER-PLASTIC						
	10	1	2K-4973	2	LOCKNUT (3/8-16 THD)						
	11	1	7X-0608	2	WASHER-HARD (10.2X16X2.0MM THK)						



GRAPHIC #1

g00816460

OPERATOR STATION

136-3357 PLATFORM GP

S/N: BPC1-UP

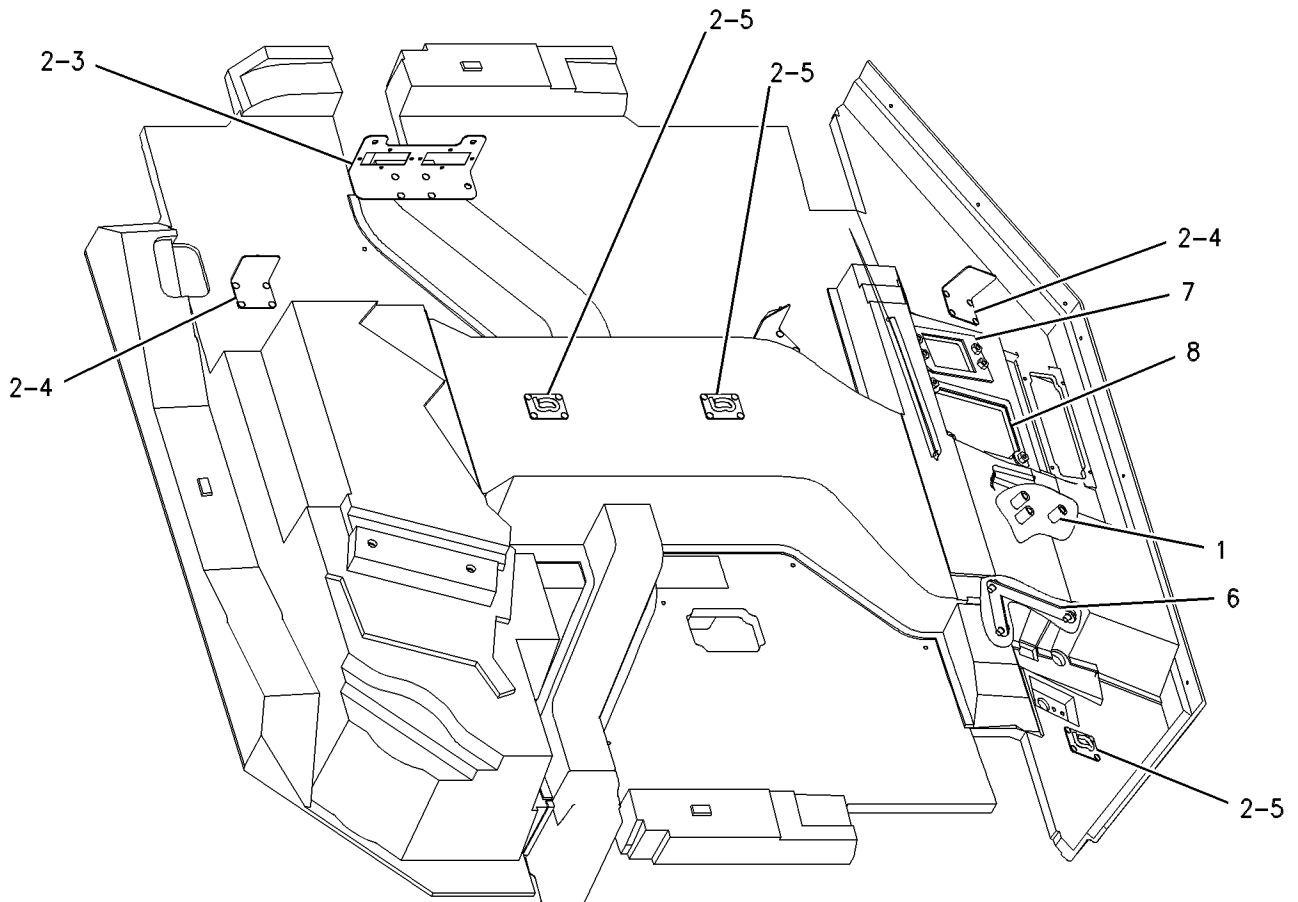
PART OF 172-4387 PLATFORM GP-CAB

SMCS-7253

i01158728

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2M-6102	3	PIPE						
	2	1	6V-2491	40	RIVET-POP						
	3	1	118-0040	1	BRACKET						
	4	1	118-0043	3	ANGLE AS						
					(EACH INCLUDES)						
		1	7T-1099	1	LINK						
	5	1	118-0045	6	PLATE AS						
					(EACH INCLUDES)						
		1	7T-1099	1	LINK						
	6	1	125-3276	1	PLATE AS						
M		1	8T-3612	3	NUT-WELD (M8X1.25 THD)						
	7	1	136-3645	1	PLATE AS						
M		1	8T-3612	4	NUT-WELD (M8X1.25 THD)						
	8	1	163-5515	1	PLATE AS						
M		1	8T-3612	3	NUT-WELD (M8X1.25 THD)						

M-METRIC PART



GRAPHIC #1

g00623201

OPERATOR STATION

172-4387 PLATFORM GP - CAB

S/N: BPC1-UP

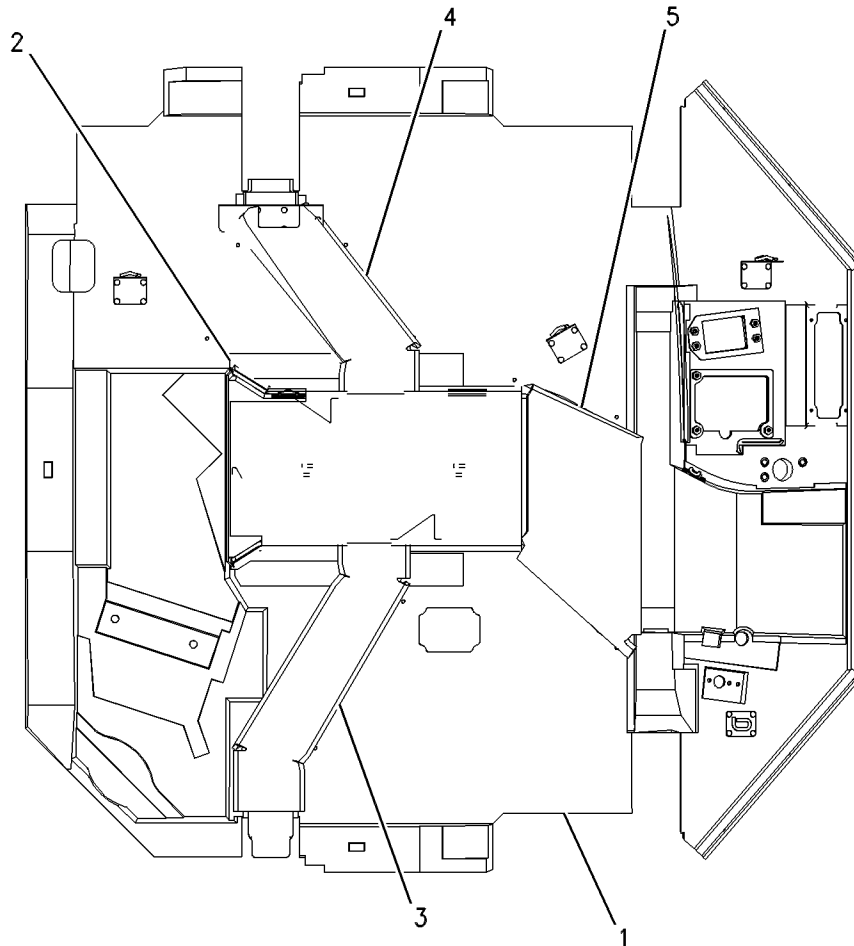
PART OF 128-9664 ROPS GP-ENCLOSED

SMCS-7253

i01158717

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	136-3357	1	PLATFORM GP						659
	2	1	155-8354	1	INSULATION						
	3	1	155-8355	1	INSULATION						
	4	1	155-8356	1	INSULATION						
	5	1	159-7234	1	INSULATION						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00620699

MEMORANDA

OPERATOR STATION

143-8939 PLATFORM GP-OPERATOR

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7253

i01558847

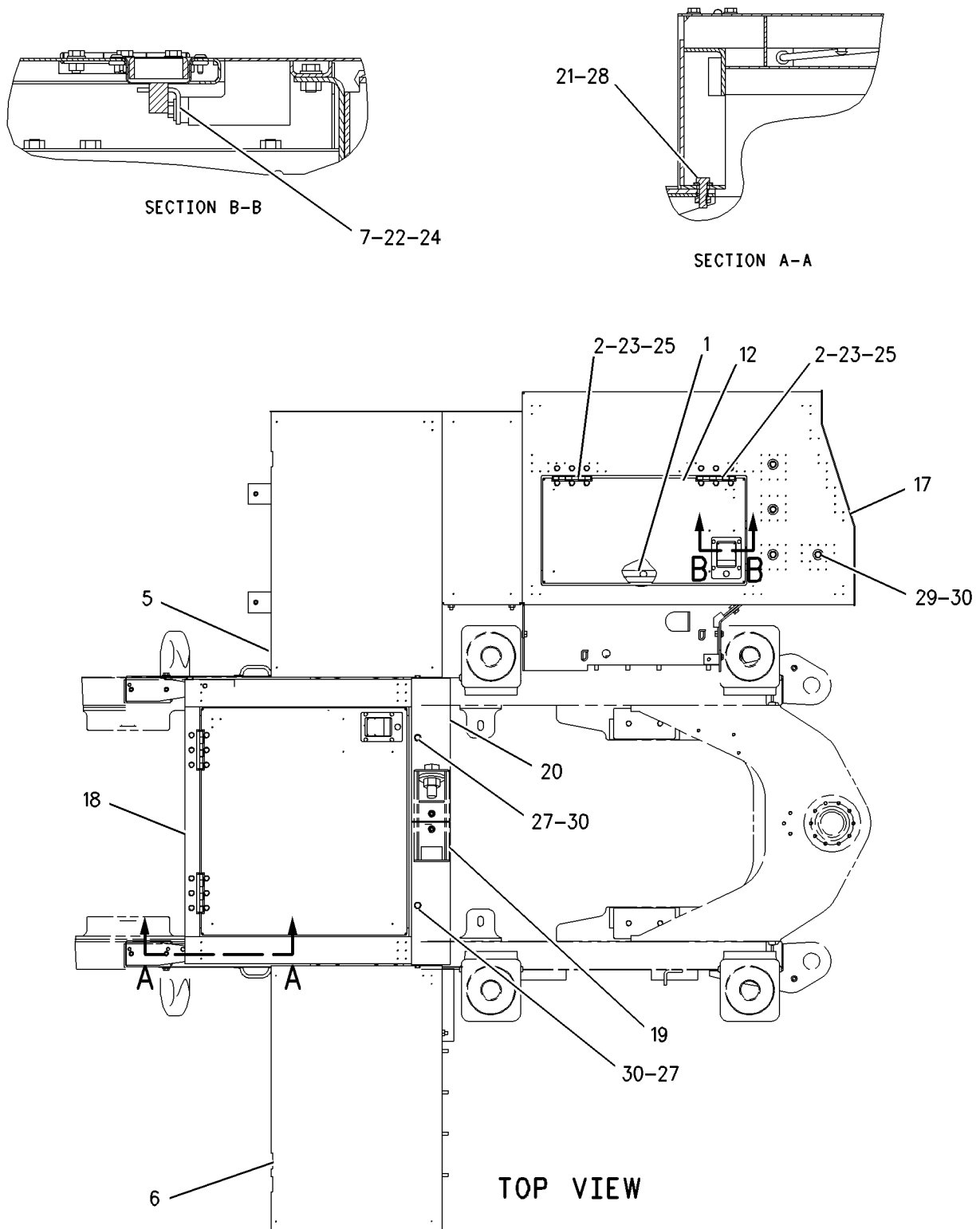
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	9M-5884	3	BUMPER	
	2	1	119-1151	2	HINGE AS	
	3	2	134-6051	2	SUPPORT AS	
					(EACH INCLUDES)	
M		2	8T-3597	4	NUT-WELD (M12X1.75 THD)	
		2	8Y-4489	1	BOSS	
		2	9R-2613	2	BOSS (M10X1.5X25MM)	
		2	159-7630	1	JUNCTION BLOCK	
	4	2	134-6052	2	SUPPORT AS	
					(EACH INCLUDES)	
		2	7T-1099	1	LINK	
M		2	8T-3597	11	NUT-WELD (M12X1.75 THD)	
	5	1	134-6722	1	PLATFORM AS-LH	
M		1	8T-3597	8	NUT-WELD (M12X1.75 THD)	
	6	1	134-6723	1	PLATFORM AS-RH	
M		1	8T-3597	9	NUT-WELD (M12X1.75 THD)	
	7	1	138-4562	1	BRACKET	
	8	2	139-5544	1	SHEET AS	
C	9	2	183-7531	1	SHEET AS-LH	
C	10	2	184-1700	1	PANEL AS	
C	11	2	183-7532	1	SHEET AS-RH	
	12	1	162-8677	1	DOOR AS	
		1	6V-2370	4	RIVET-POP	
		1	9X-2299	1	LATCH-HANDLE	
	13	2	195-2630	1	SHEET	
	14	2	165-3775	1	SHEET	
	15	3	165-3777	1	SUPPORT AS	
	16	3	165-3778	1	SHEET AS	
	17	1	165-3781	1	PLATFORM AS	
Y	18	1	178-4139	1	DOOR GP-STORAGE	613
	19	1	178-8486	1	SHEET	
	20	1	178-8504	1	SHEET	
	21	1,2,3	5P-1076	41	WASHER-HARD (13.5X30X4MM THK)	
	22	1	7X-7729	2	WASHER (11X25X3MM THK)	
	23	1	8T-4121	12	WASHER-HARD (11X21X2.5MM THK)	
M	24	1	8T-4136	2	BOLT (M10X1.5X25MM)	
M	25	1	8T-4137	12	BOLT (M10X1.5X20MM)	
M	26	2,3	8T-4139	37	BOLT (M12X1.75X30MM)	
M	27	1,2	8T-4179	8	BOLT (M12X1.75X20MM)	
M	28	1,2	8T-4183	20	BOLT (M12X1.75X40MM)	
M	29	1,2,3	8T-4192	20	BOLT (M12X1.75X25MM)	
	30	1,2,3	8T-4223	44	WASHER-HARD (13.5X25.5X3MM THK)	
M	31	3	8T-4779	8	BOLT (M16X2X35MM)	
	32	3	9X-8257	8	WASHER (17.5X30X3.5MM THK)	
	33	2	195-3163	1	SHEET AS	
	34	2	198-1919	1	BRACKET AS	
	35	2	198-1920	1	BRACKET AS	
	36	2	198-2686	1	PANEL AS	
M	37	2	7X-2553	16	BOLT (M16X2X40MM)	
	38	2	090-8865	16	SPACER (3MM THK)	

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

OPERATOR STATION

143-8939 PLATFORM GP-OPERATOR (contd.)

i01558847



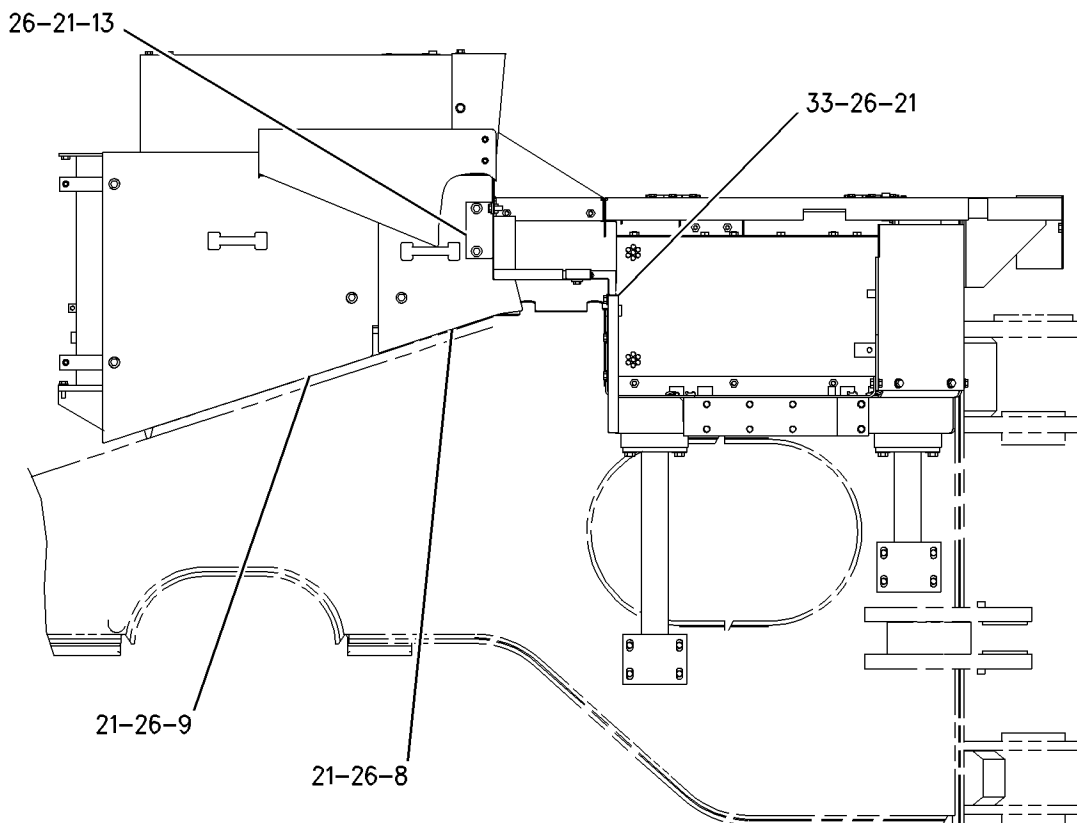
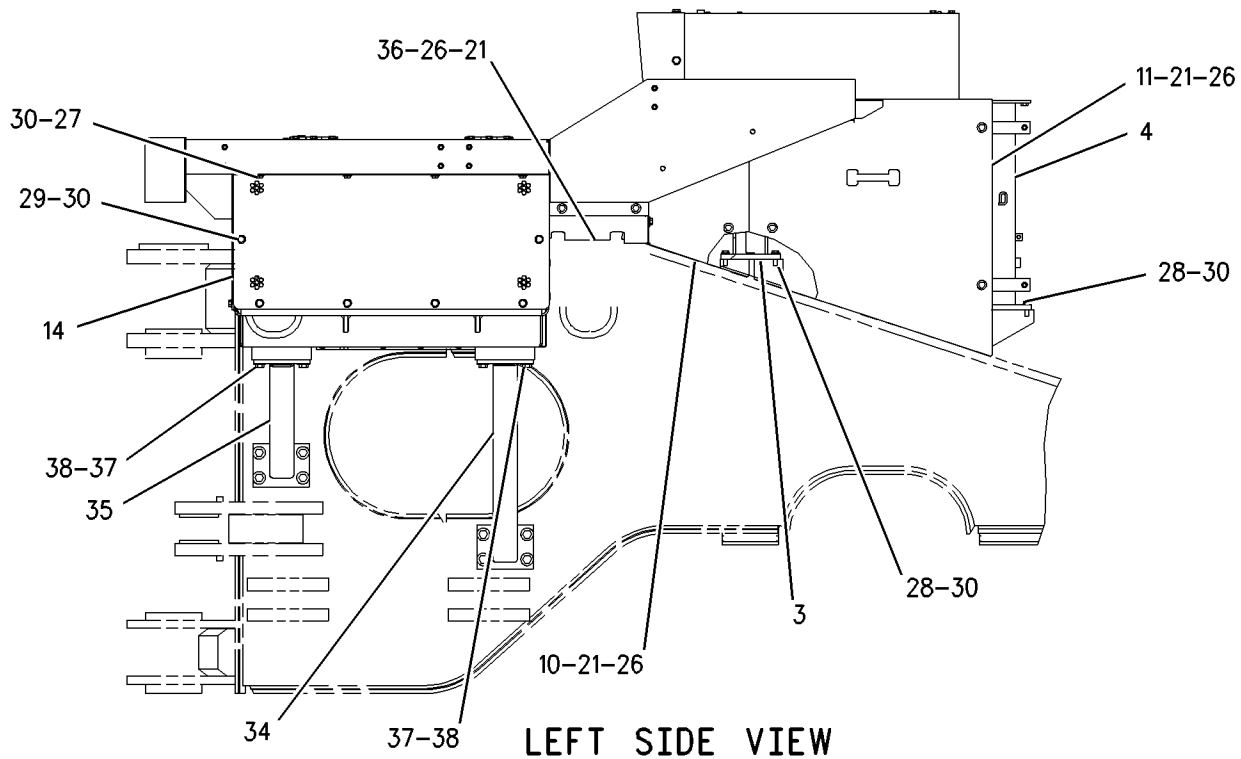
GRAPHIC #1

g00815572

OPERATOR STATION

143-8939 PLATFORM GP-OPERATOR (contd.)

i01558847



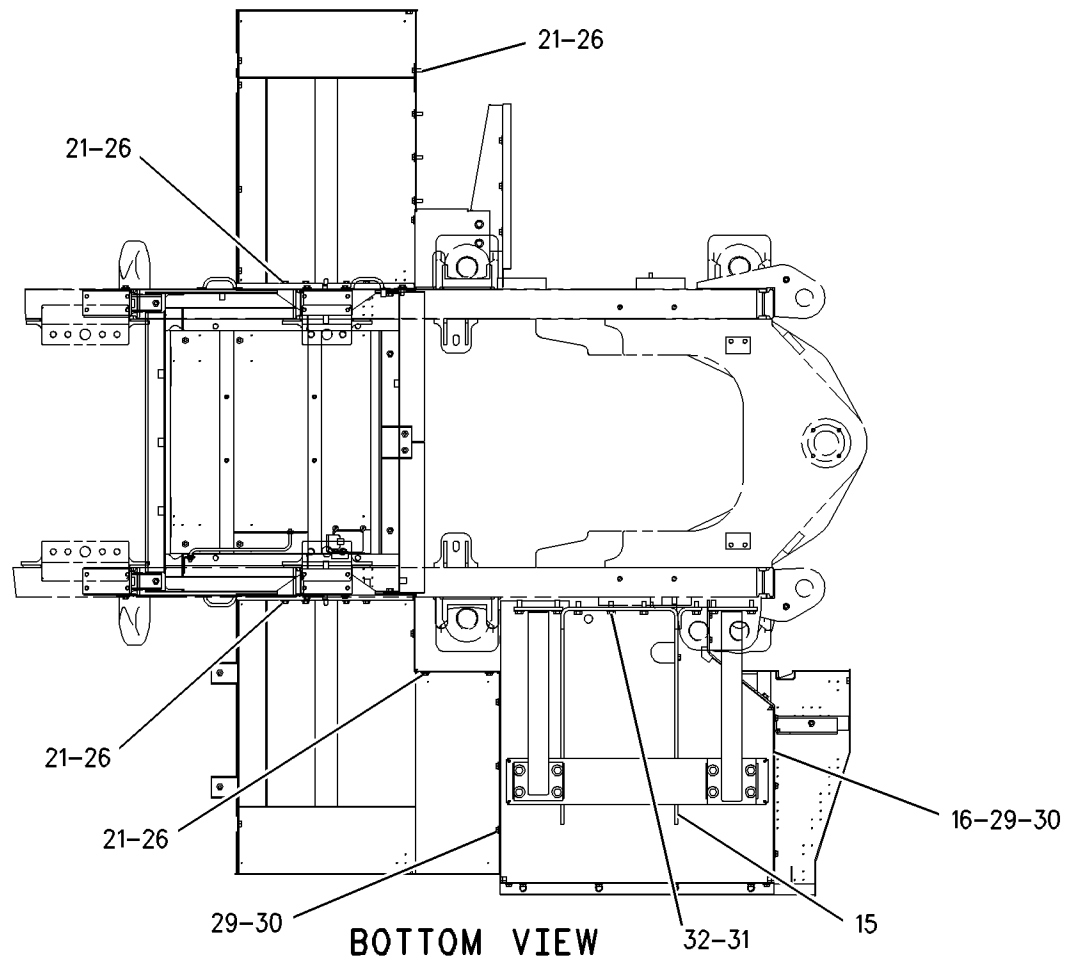
GRAPHIC #2

g00815573

OPERATOR STATION

143-8939 PLATFORM GP-OPERATOR (contd.)

i01558847



GRAPHIC #3

g00815574

OPERATOR STATION

177-4935 RECLINER GP - SEAT

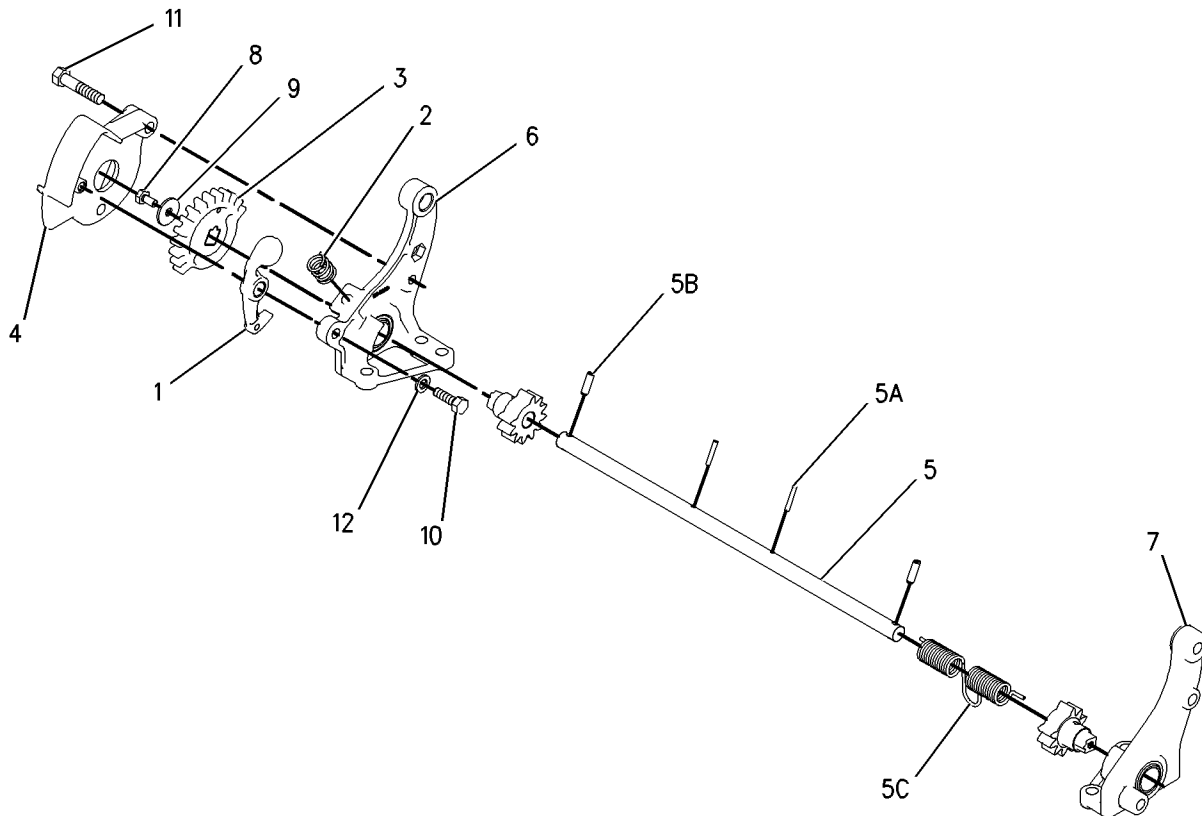
S/N: BPC1-UP

PART OF 178-0603 SEAT GP

SMCS-7312

i01564920

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	188-2586	1	LATCH						
	2	1	164-4146	1	SPRING						
	3	1	177-1860	1	GEAR (14 TEETH)						
	4	1	177-1862	1	BRACKET						
	5	1	178-0607	1	SHAFT AS						
	5A	1	2K-9111	2	PIN-SPRING						
	5B	1	9M-6803	2	DOWEL						
	5C	1	170-8590	1	SPRING						
	6	1	178-0608	1	BRACKET AS						
	7	1	178-0609	1	BRACKET AS						
	8	1	0S-1614	1	BOLT (1/4-20X0.5 IN)						
	9	1	101-2867	1	WASHER-HARD (7.2X25X2MM THK)						
	10	1	4M-6425	1	BOLT (5/16-18X1 IN)						
	11	1	5S-7383	1	BOLT (3/8-16X1.75 IN)						
	12	1	8T-4224	1	WASHER-HARD (8.8X16X2MM THK)						



GRAPHIC #1

g00673022

MEMORANDA

OPERATOR STATION

128-9664 ROPS GP-ENCLOSED

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-7325

i01507034

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	7T-0920	1	BLOCK	
M	3	1	9X-2042	2	SCREW-TRUSS HEAD (M6X1X12MM)	
	4	1	107-4600	1	GLASS (RIGHT SIDE-REAR)	
	5	1	107-4601	1	GLASS (REAR)	
	6	1	107-4602	1	GLASS (LEFT SIDE-REAR)	
	7	1	107-4603	1	GLASS (FRONT)	
	8	2	107-7306	1	SHEET AS	
	9	2	111-0687	1	STRIKER AS	
	10	1	121-3274	1	GLASS (RIGHT FRONT CORNER)	
	11	1	121-3275	1	GLASS (LEFT FRONT CORNER)	
	12	1	121-3277	1	SHEET AS (LEFT FRONT CORNER)	
	13	1	121-3278	1	SHEET AS (RIGHT FRONT CORNER)	
	14	2	126-1052	1	PIN	
	15	2	128-1026	1	SHIELD-STRIKER	
	16	2	129-2570	1	CHANNEL AS	
	17	2	129-2572	1	CHANNEL	
	18	1	129-2581	1	DOOR AS	
		1	1V-6755	1	LATCH AS	
		1	111-1316	1	HINGE	
	19	1	130-5924	1	CAB AS	
	20	2	136-1725	1	TRIM-RH	
	21	2	136-1726	1	TRIM-LH	
	22	2	136-1728	1	TRIM	
	23	2	136-1729	1	TRIM	
	24	2	136-1730	1	TRIM	
	25	2	136-1731	1	BRACKET AS	
	26	1	136-1732	1	SHEET AS	
	27	2	136-1734	1	INSULATION	
Y	28	1	172-4387	1	PLATFORM GP-CAB	660
	29	1	136-9353	1	TRIM	
	30	2	137-7321	1	TRIM	
	31	2	160-5003	1	BRACKET AS	
	32	2	148-5247	1	BRACKET	
Y	33	1	165-5576	1	DOOR GP-CAB (LH)	610
Y	34	1	165-5725	1	DOOR GP-CAB (RH)	612
	35	2	126-8520	1	PIN-SPRING	
	36	1, 2	8T-4121	28	WASHER-HARD (11X21X2.5MM THK)	
M	37	2	8T-4133	4	NUT (M10X1.5 THD)	
M	38	2	8T-4136	4	BOLT (M10X1.5X25MM)	
M	39	1, 2	8T-4137	20	BOLT (M10X1.5X20MM)	
M	40	2	9X-2044	2	SCREW-TRUSS HEAD (M6X1X16MM)	
	41	1	180-3733	1	TRIM AS	

M-METRIC PART

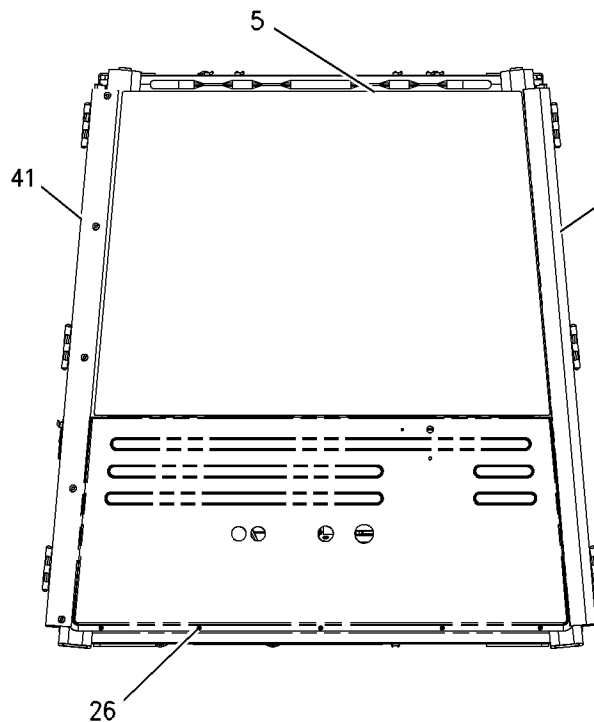
Y-SEPARATE ILLUSTRATION

OPERATOR STATION

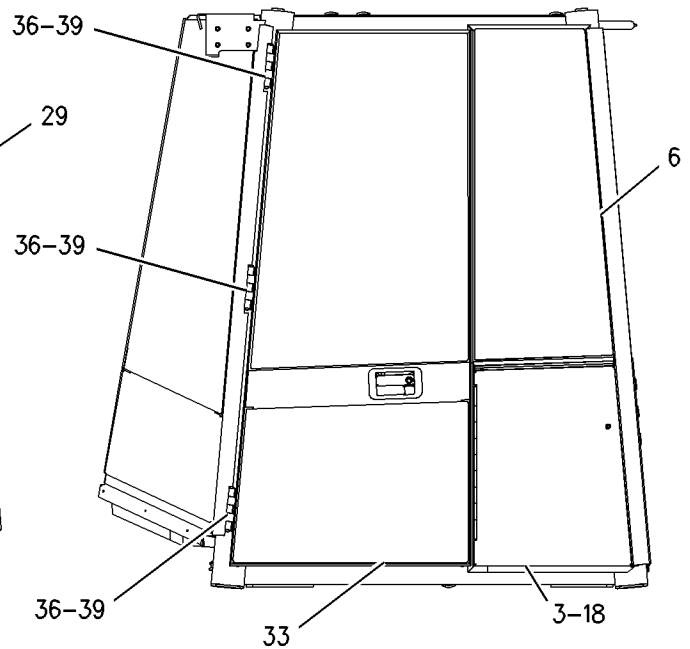
128-9664 ROPS GP - ENCLOSED (contd.)

i01507034

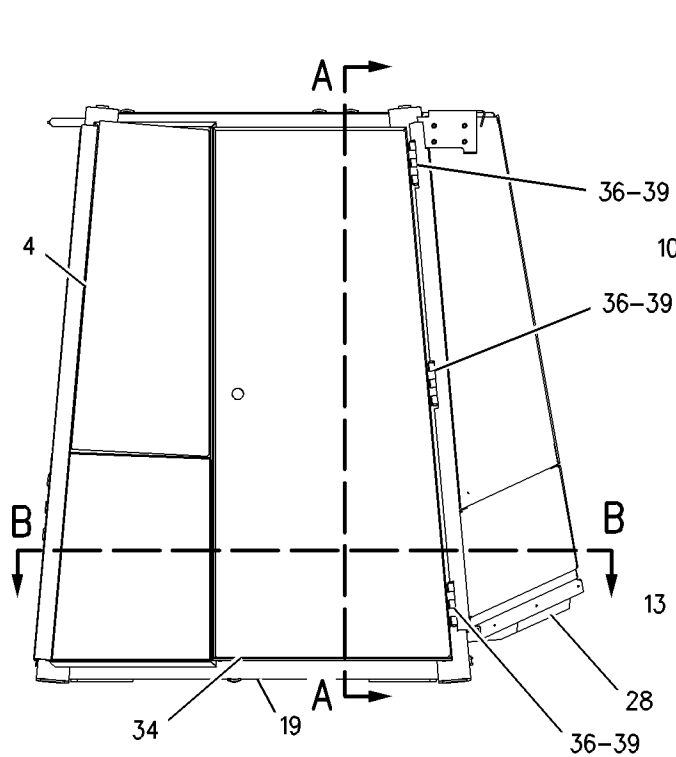
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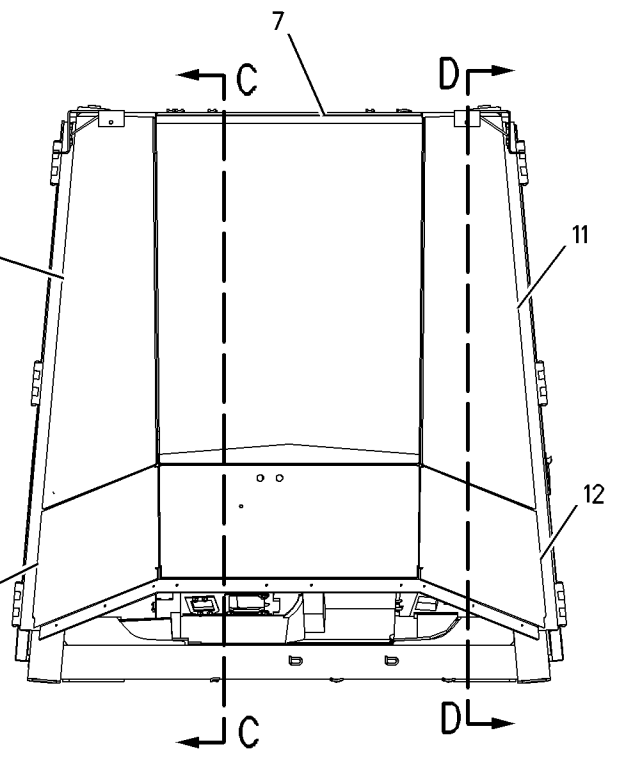
REAR VIEW



LEFT SIDE VIEW



RIGHT SIDE VIEW



FRONT VIEW

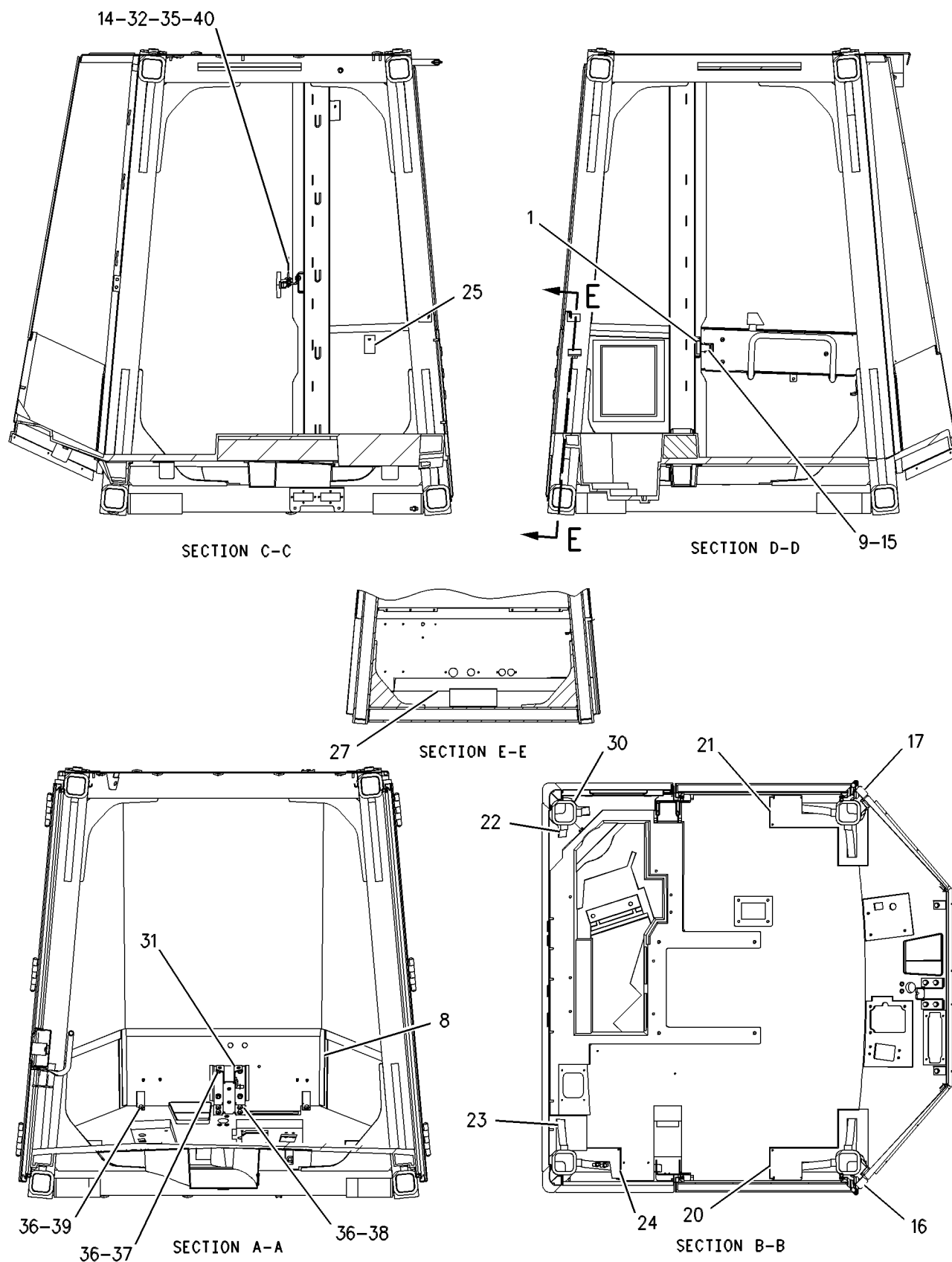
GRAPHIC #1

g00724173

OPERATOR STATION

128-9664 ROPS GP - ENCLOSED (contd.)

i01507034



GRAPHIC #2

g00614933

OPERATOR STATION

117-1410 SEALING GP-GLASS

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-7310, 7340

i01057779

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	119-0781	1	ADHESIVE						

OPERATOR STATION

178-0603 SEAT GP-CLOTH

S/N: BPC1-UP

PART OF 178-0606 SEAT GP

SMCS-7312

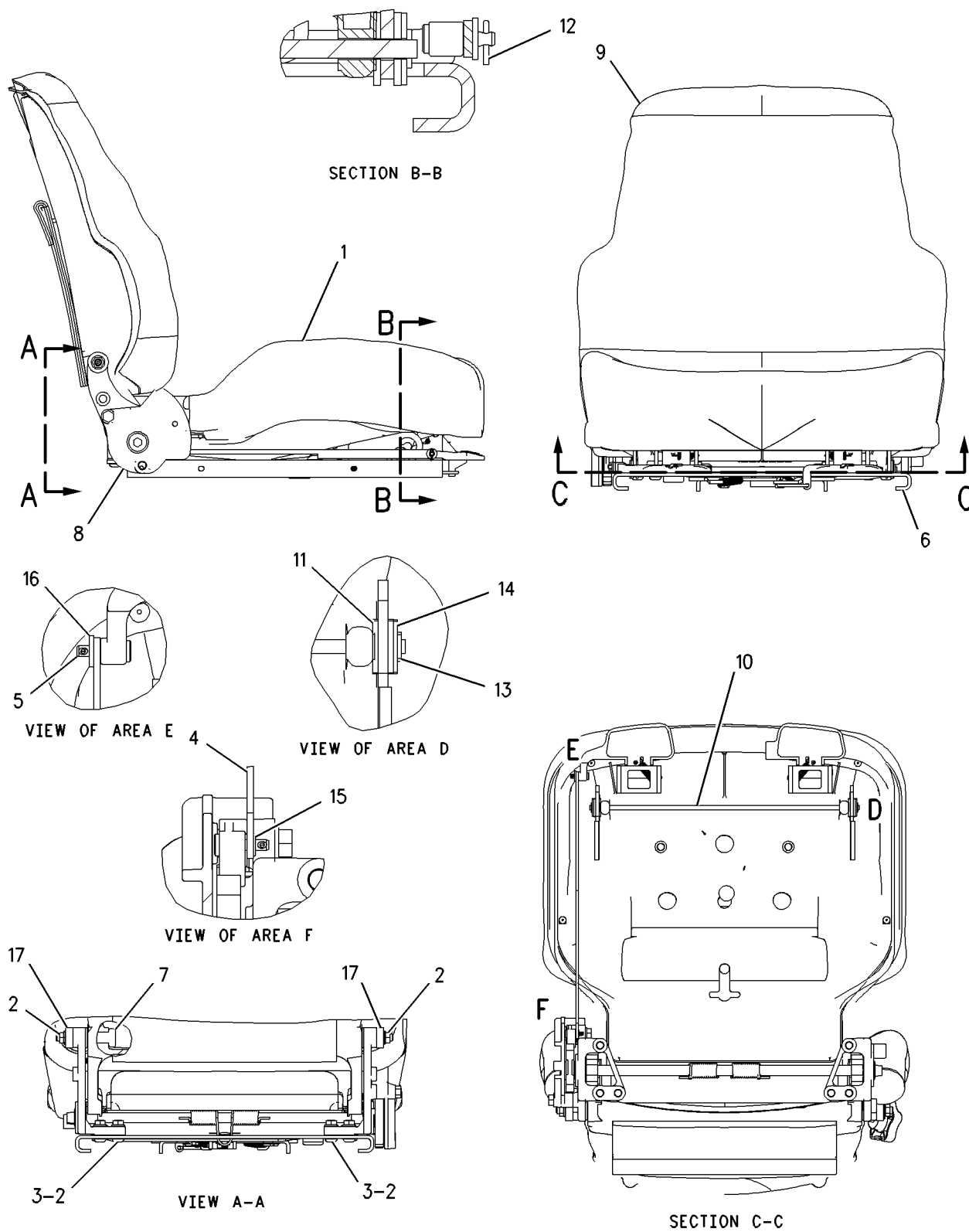
i01529555

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	135-5499	1	PAN AS						
		1	8T-9082	5	RIVET-POP						
		1	117-4506	1	CUSHION AS						
	2	1	143-1288	8	LOCKNUT-FLANGE						
	3	1	171-1230	6	SCREW-BUTTON HEAD (3/8-16X1 IN)						
	4	1	171-6682	1	BAR-RECLINER						
	5	1	172-2416	2	PIN						
Y	6	1	173-1028	1	PLATE GP-SLIDE (SEAT)						658
	7	1	177-1863	2	BOLT-PIVOT (3/8-16X2.89 IN)						
Y	8	1	177-4935	1	RECLINER GP-SEAT						666
Y	9	1	178-0604	1	PAN GP-SEAT (BACK)						648
	10	1	184-2298	1	ROD						
	11	1	184-2299	4	WASHER (7X25.4X2.54MM THK)						
	12	1	095-0843	2	COTTER						
	13	1	5V-1496	2	RETAINER						
	14	1	6V-7646	2	WASHER-HARD (7.2X25X2MM THK)						
	15	1	8T-0328	1	WASHER-HARD (5.5X10X1MM THK)						
	16	1	8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)						
	17	1	8Y-6277	2	SPACER (10.5X28.6X10MM THK)						
Y-SEPARATE ILLUSTRATION											

OPERATOR STATION

178-0603 SEAT GP (contd.)

i01529555



GRAPHIC #1

g00794047

OPERATOR STATION

178-0606 SEAT GP-CLOTH

S/N: BPC1-UP

PART OF 160-7188 SEAT GP-SUSPENSION

SMCS-7312

i01422419

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	173-3082	1	EXTENSION GP-BACKREST (CLOTH)						
	117-4491	1	ROD						
	180-5559	1	SCREW-PAN HEAD (7/16-20X1.75 IN)						
	180-5560	1	SCREW-PAN HEAD (7/16-20X1.25 IN)						
	183-3648	1	SEAT BELT GP						
Y	178-0603	1	SEAT GP (CLOTH)						672
	177-4937	1	SPACER (12.7MM ID)						
Y-SEPARATE ILLUSTRATION									

OPERATOR STATION

160-7188 SEAT GP-SUSPENSION

S/N: BPC1-UP

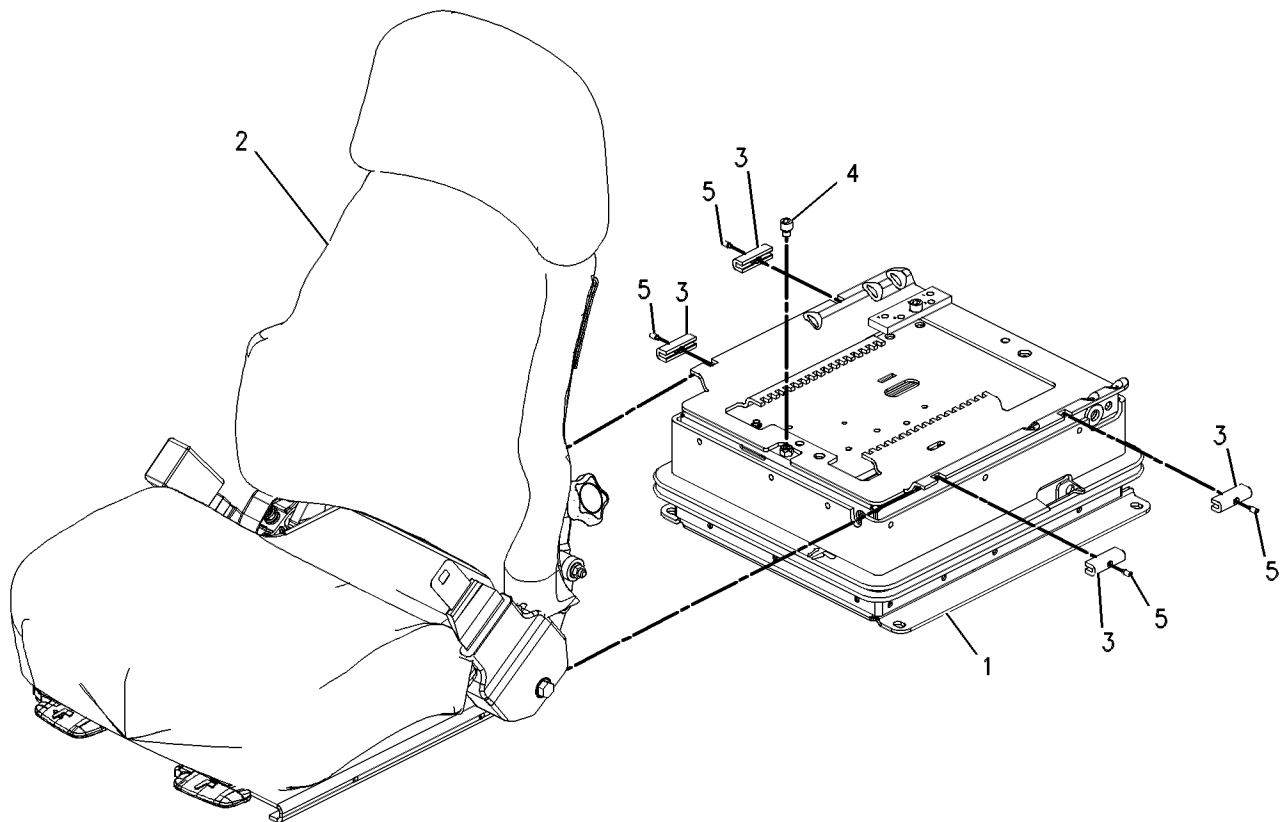
GRAY-AIR SUSPENSION

PART OF 202-9743 CAB AR

SMCS-7324, 7336

i01573605

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	161-7539	1	SUSPENSION GP-SEAT (AIR)	684
Y	2	1	178-0606	1	SEAT GP	674
J	3	1	161-9289	4	BLOCK-SLIDER	
	4	1	4F-4879	1	BOLT (3/8-16X.5 IN)	
		1	203-7703	2	WASHER-HARD (10.2X22.22X2.38MM THK)	
	5	1	173-5787	4	SETSCREW	
AVAILABLE REPAIR KIT(S) :						
J			173-7035	1	KIT-SLIDER BLOCK	
J-PART MARKED J SERVICED BY KIT MARKED J						
Y-SEPARATE ILLUSTRATION						



GRAPHIC #1

g00662344

OPERATOR STATION

179-9575 SUPPORT GP-HYDRAULIC CONTROL

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-5258

i01581842

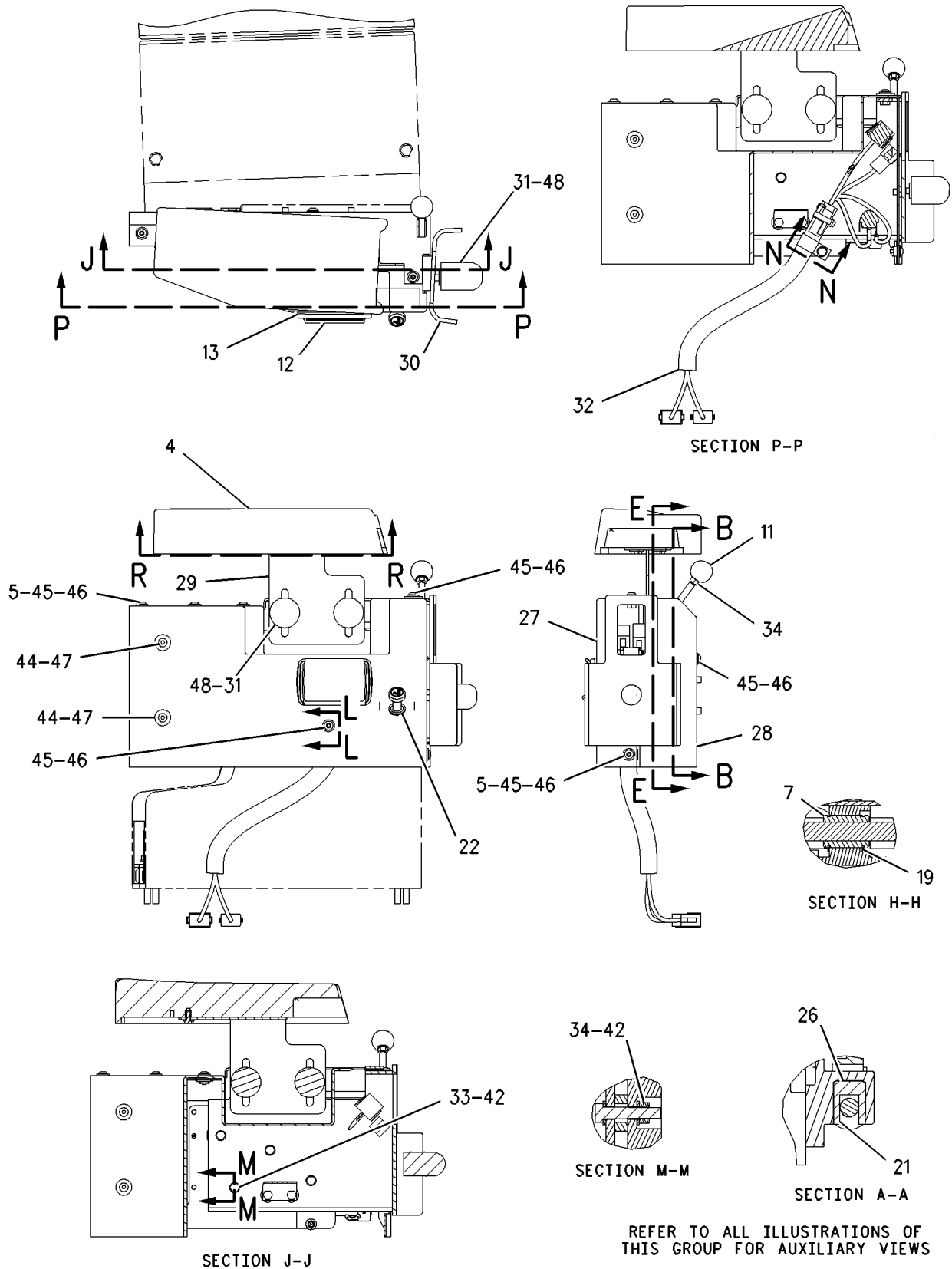
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	3K-4897	1	PIN-SPRING						
	2	2	4B-4278	1	WASHER (10.2X20.5X1.6MM THK)						
	3	2	4E-6523	1	SUPPORT-SLIDE						
	4	1	4E-6526	1	CUSHION AS-RH						
	5	1	4E-8722	4	NUT						
	6	2	4E-9173	2	SHAFT-GOVERNOR CONTROL						
	7	1	4E-9174	2	BEARING						
M	8	2	6V-9327	4	SETSCREW-SOCKET						
	9	2	7K-1181	1	STRAP-CABLE						
	10	2	7V-0445	1	SPRING						
	11	1	7X-3310	1	KNOB-BALL						
	12	1	8Y-5746	1	ASHTRAY						
	13	1	8Y-6333	1	GASKET-ASH TRAY						
	14	2	9U-0952	1	PIN						
	15	2	9U-0953	1	GUIDE						
	16	2	9U-0954	1	STUD						
	17	2	9U-0955	1	PIN						
	18	2	9U-0958	1	SLIDER						
	19	1	9U-3925	4	RING-RETAINING						
	20	2	9U-3926	6	STOP						
	21	1	9U-3927	1	BEARING						
	22	1	9W-0335	1	LIGHTER AS (CIGAR) (24 VOLT)						
	23	2	9W-1991	1	SPACER (13.94X17.14X40MM THK)						
	24	2	127-0323	1	LEVER AS						
	25	2	127-5480	1	BRACKET AS						
M		2	6V-9632	1	NUT-WELD (M6X1 THD)						
B	26	1	137-6841	2	SHIM (0.2MM THK)						
	27	1	170-0489	1	HOUSING						
	28	1	170-0490	1	HOUSING						
	29	1	170-0976	1	BRACKET AS-RH						
	30	1	170-0978	1	BRACKET AS						
	31	1	170-7473	3	KNOB AS						
	32	1	180-0129	1	HARNESS AS-CAB (HYDRAULIC CONTROL SUPPORT)						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
		1	102-8806	1	KIT-RECEPTACLE (8 PIN)						
		1	102-8801	1	KIT-RECEPTACLE (12 PIN)						
		1	3S-2093	2	STRAP-CABLE						
		1	8T-8737	9	PLUG-SEAL						
M	33	1	099-3649	4	BOLT (M8X1.25X40MM)						
M	34	1	5C-7261	4	NUT (M8X1.25 THD)						
	35	2	7C-4354	1	CLIP						
	36	2	7X-0575	2	WASHER-HARD (10.2X22.5X5MM THK)						
M	37	2	8T-4138	4	BOLT (M6X1X20MM)						
M	38	2	8T-4189	2	BOLT (M8X1.25X20MM)						
M	39	2	8T-4195	4	BOLT (M10X1.5X30MM)						
	40	2	8T-4205	4	WASHER-HARD (7.2X14.5X2MM THK)						
	41	2	203-0328	1	SPACER (16X19X9MM THK)						
	42	1, 2	8T-4224	8	WASHER-HARD (8.8X16X2MM THK)						
M	43	2	8T-6869	1	BOLT (M8X1.25X60MM)						
	44	1	9N-0869	2	WASHER-HARD (8.8X25.5X2MM THK)						
	45	1	9X-2038	8	WASHER (7X19X2MM THK)						
M	46	1	9X-2044	8	SCREW-TRUSS HEAD (M6X1X16MM)						
M	47	1	9X-2616	2	SCREW-SOCKET (M8X1.25X16MM)						
	48	1	7X-0772	3	WASHER-HARD (10.2X25.5X2.5MM THK)						

B-USE AS REQUIRED
M-METRIC PART

OPERATOR STATION

179-9575 SUPPORT GP-HYDRAULIC CONTROL (contd.)

i01581842



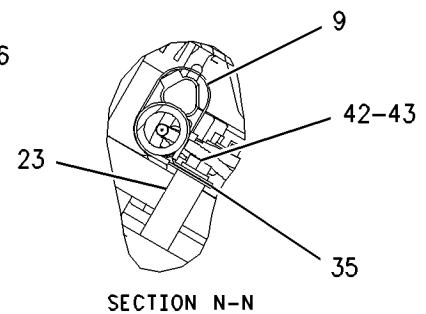
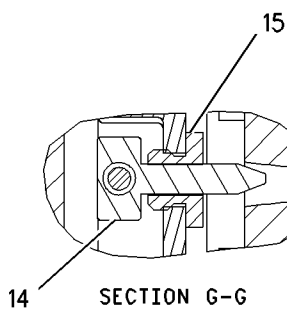
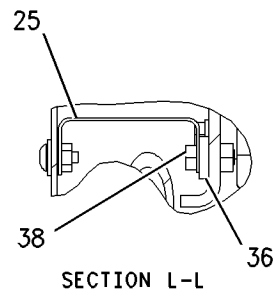
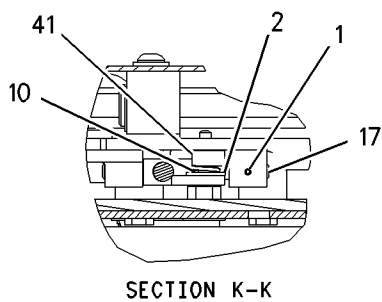
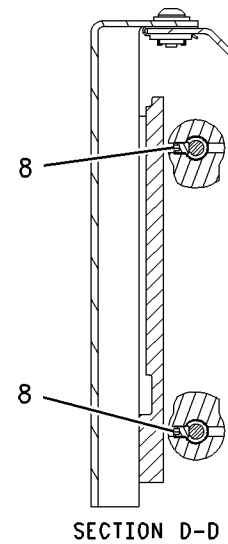
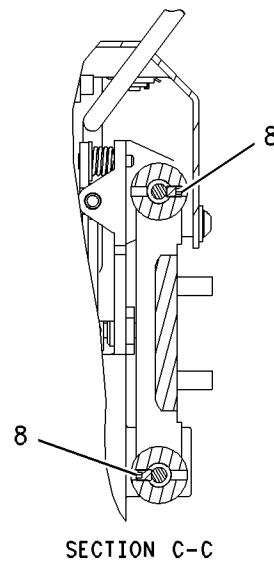
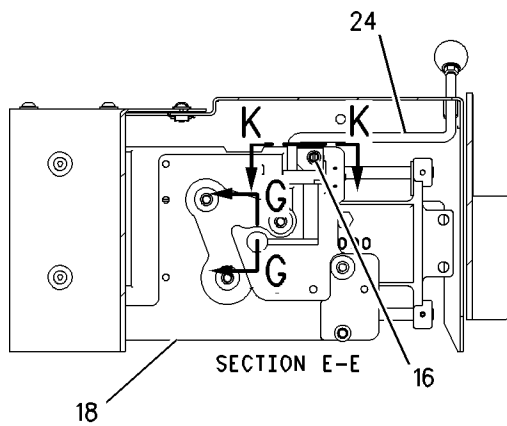
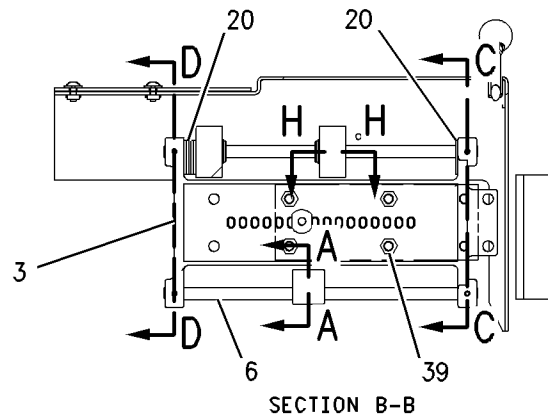
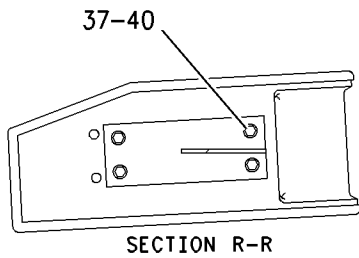
GRAPHIC #1

g00820838

OPERATOR STATION

179-9575 SUPPORT GP-HYDRAULIC CONTROL (contd.)

i01581842



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #2

g00805154

OPERATOR STATION

173-1905 SUPPORT GP-SEAT

S/N: BPC1-UP

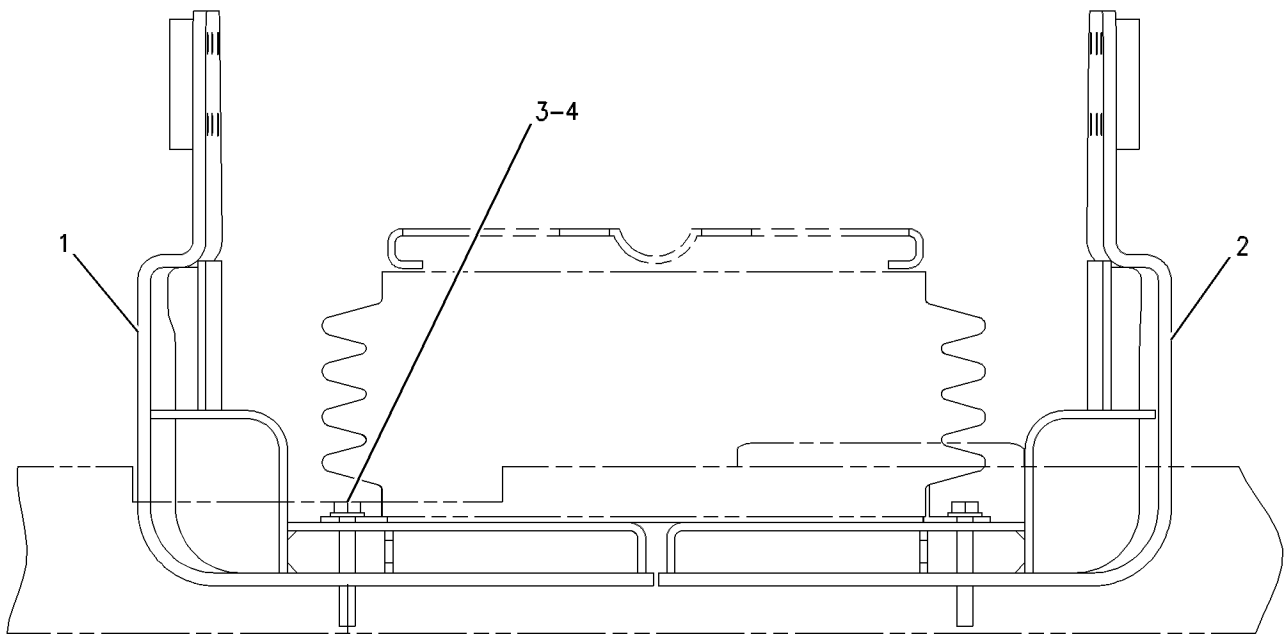
PART OF 202-9743 CAB AR

SMCS-7321

i01156986

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	171-9679	1	BRACKET AS-RH						
	2	1	171-9683	1	BRACKET AS-LH						
M	3	1	168-4510	4	BOLT-HEX HEAD						
	4	1	8T-4121	4	WASHER (2.5MM THK)						

M-METRIC PART



FRONT VIEW

GRAPHIC #1

g00627946

OPERATOR STATION

171-3897 SUPPORT GP-STEERING CONTROL

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-5258

i01611845

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	3G-4711	1	SPRING	
B	2	2	4B-4276	8	WASHER (7X16X1.6MM THK)	
	3	1	4E-6335	1	CUSHION AS-LH	
	4	2	4E-6439	1	LEVER AS	
	5	2	4E-6444	1	ROD	
	6	2	4E-6445	1	PIN	
	7	2	4E-6446	1	GUIDE	
	8	2	4E-6523	1	SUPPORT-SLIDE	
	9	2	4E-7163	1	SLIDER	
	10	1	4E-8722	5	NUT	
	11	2	4E-9173	2	SHAFT-GOVERNOR CONTROL	
	12	2	4E-9174	2	BEARING	
	13	2	6E-0923	1	SPACER (15.2MM THK)	
	14	2	9U-3925	4	RING-RETAINING	
	15	2	9U-3926	6	STOP	
	16	2	9U-3927	1	BEARING	
B	17	2	137-6841	2	SHIM (0.2MM THK)	
	18	1	166-4731	1	HOUSING	
	19	1	166-4732	1	HOUSING	
	20	1	170-0696	1	BRACKET AS	
M	20A	1	6V-9632	2	NUT-WELD (M6X1 THD)	
	21	1	170-0971	1	CUSHION AS	
	22	1	170-0977	1	BRACKET AS-LH	
	23	2	170-0979	1	PLATE AS	
M	23A	2	8T-3490	2	NUT-WELD (M10X1.5 THD)	
	24	1	211-4942	2	KNOB AS	
	25	1	170-8540	1	BRACKET AS	
M	25A	1	6V-9632	2	NUT-WELD (M6X1 THD)	
	26	2	013-8502	1	LOCKWASHER	
M	27	2	095-0758	1	SCREW-MACHINE (M6X1X14MM)	
M	28	2	098-5747	1	NUT-THIN (M16X2 THD)	
	29	2	1J-5799	1	PIN-SPRING	
M	30	1	5C-7261	1	NUT (M8X1.25 THD)	
M	31	2	6V-9327	4	SETSCREW-SOCKET	
M	32	2	7X-2535	1	BOLT (M6X1X60MM)	
	33	1	7X-3310	1	KNOB-BALL	
M	34	2	8T-4134	1	NUT (M6X1 THD)	
M	35	1	8T-4138	4	BOLT (M6X1X20MM)	
M	36	1	8T-4189	2	BOLT (M8X1.25X20MM)	
M	37	2	8T-4195	6	BOLT (M10X1.5X30MM)	
M	38	2	8T-4200	2	BOLT (M8X1.25X16MM)	
	39	1	8T-4205	4	WASHER-HARD (7.2X14.5X2MM THK)	
	40	1, 2	8T-4224	4	WASHER-HARD (8.8X16X2MM THK)	
M	41	2	8T-4244	1	NUT (M12X1.75 THD)	
	42	1	9X-2038	11	WASHER (7X19X2MM THK)	
M	43	1	9X-2043	11	SCREW-TRUSS HEAD (M6X1X14MM)	

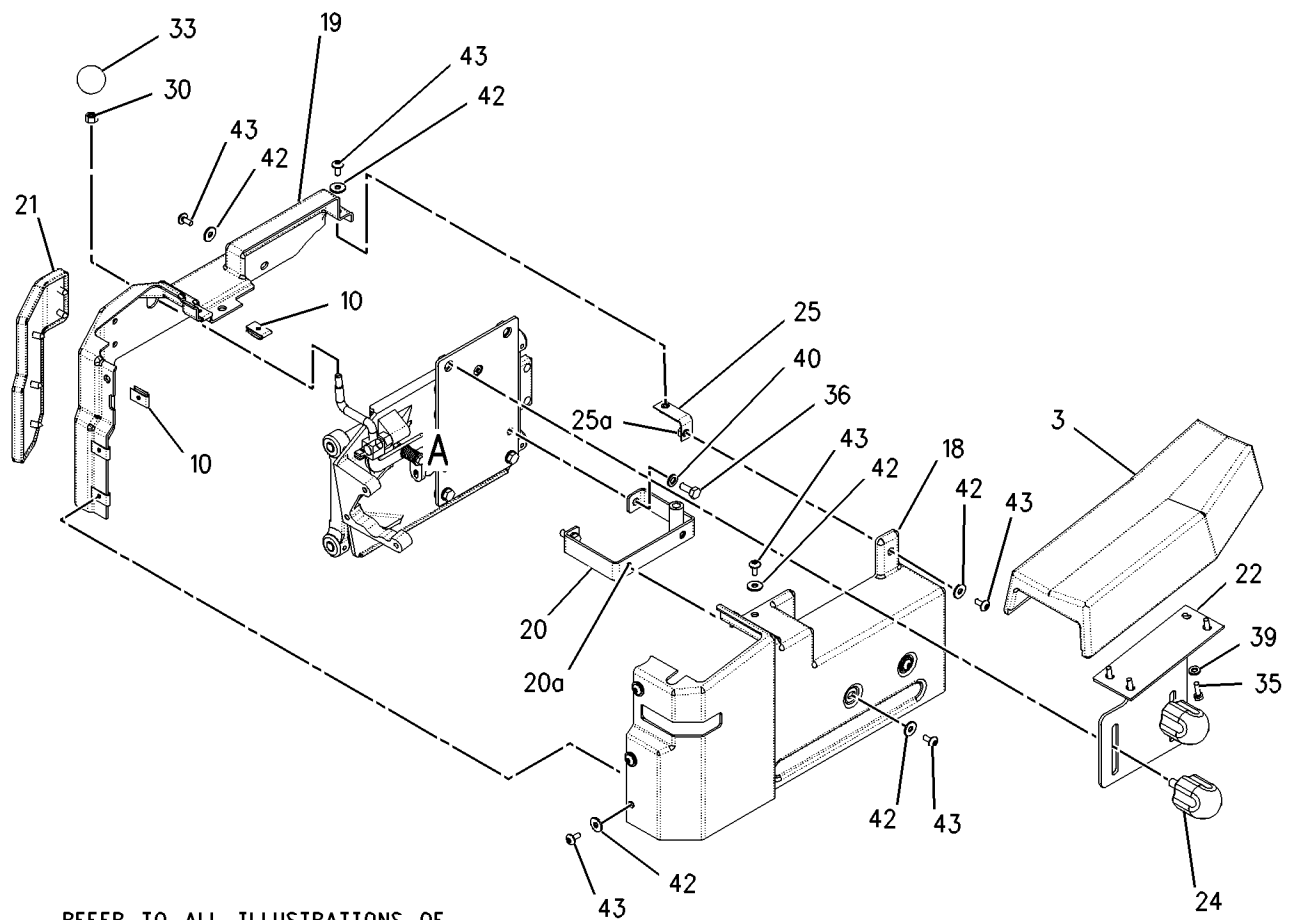
B-USE AS REQUIRED

M-METRIC PART

OPERATOR STATION

171-3897 SUPPORT GP-STEERING CONTROL (contd.)

i01611845



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

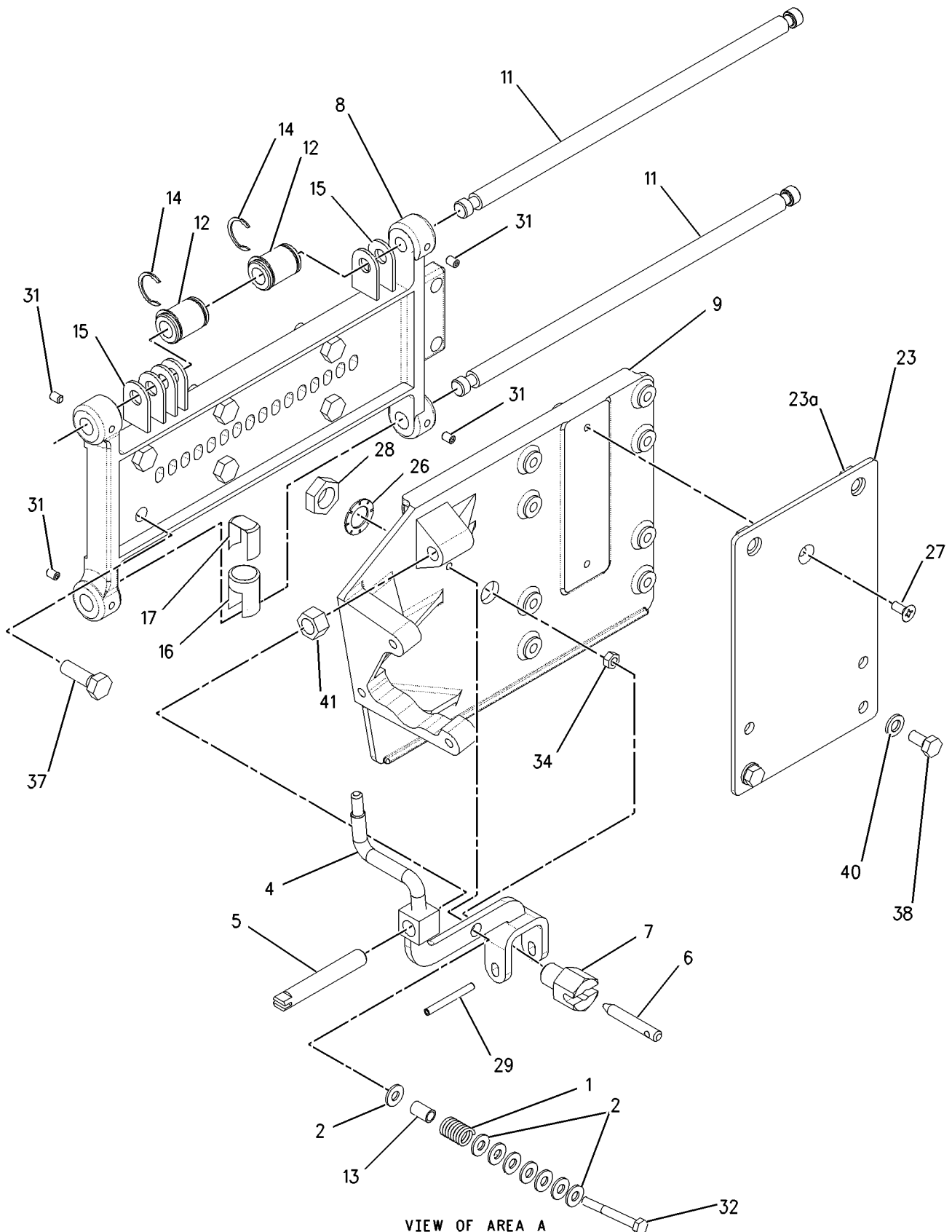
GRAPHIC #1

g00835251

OPERATOR STATION

171-3897 SUPPORT GP-STEERING CONTROL (contd.)

i01611845



VIEW OF AREA A

GRAPHIC #2

g00742840

OPERATOR STATION

173-9375 SUPPRESSION GP-CAB SOUND

S/N: BPC1-UP

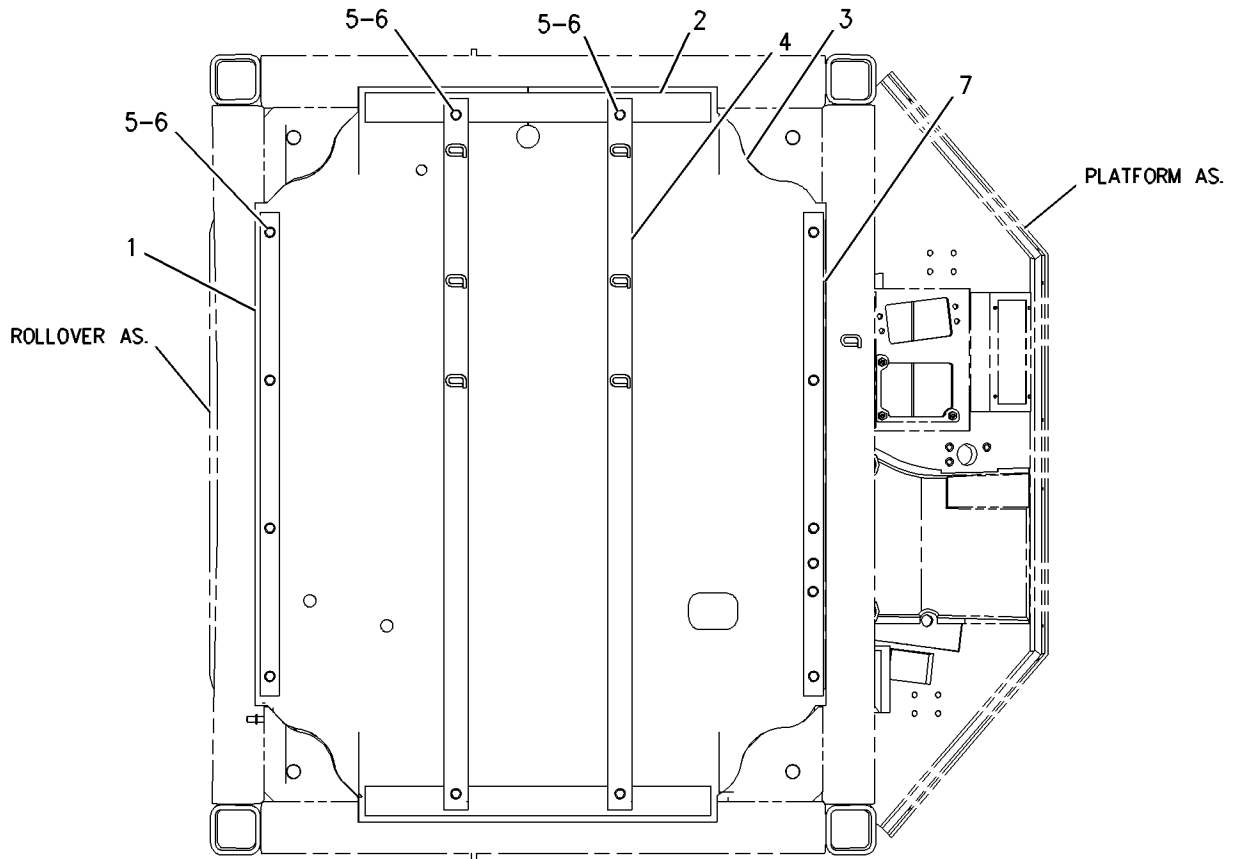
PART OF 202-9743 CAB AR

SMCS-7329

i01547399

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	168-9980	1	PLATE						
	2	1	169-6430	2	PLATE						
	3	1	173-9376	1	INSULATION AS						
	4	1	174-3055	2	PLATE AS						
	5	1	8T-4121	14	WASHER-HARD (11X21X2.5MM THK)						
M	6	1	8T-4195	14	BOLT (M10X1.5X30MM)						
	7	1	183-1989	1	PLATE						

M-METRIC PART



GRAPHIC #1

g00804274

OPERATOR STATION

161-7539 SUSPENSION GP-SEAT

S/N: BPC1-UP

24 VOLT. AIR

PART OF 160-7188 SEAT GP-SUSPENSION

SMCS-7324

i01611735

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1B-4430	4	NUT-JAM (1/2-20 THD)	
	2	1	3J-4818	4	LOCKWASHER	
	3	1	4V-7884	2	BEARING	
	4	1	4V-8556	1	BOLT (3/8-16X2.34 IN)	
	5	1	6K-0806	1	STRAP-CABLE	
	6	1	8L-8413	5	STRAP-CABLE	
	7	1	8Y-6917	1	BOOT	
	8	1	166-7401	1	HOUSING AS	
	9	1	9M-0164	1	CLAMP-HOSE	
	10	1	102-6317	4	BUMPER	
	11	1	123-8157	2	SHAFT	
	12	1	123-9131	1	ABSORBER-SHOCK	
	13	1	124-7128	1	BUSHING-RELIEF	
	14	1	128-0686	2	SPACER (9.78X15.88X27.8MM THK)	
	15	1	147-4549	2	FITTING-ELBOW	
	16	1	147-6522	1	SPRING	
	17	1	147-6523	1	COMPRESSOR	
	18	1	148-3749	1	SCISSORS AS	
	19	1	160-7765	1	WASHER (16.26X22.23X1.97MM THK)	
B	20	1	160-7766	3	WASHER (16.26X22.23X0.51MM THK)	
B	21	1	160-7767	8	WASHER (3.68X12.57X0.51MM THK)	
	22	1	164-5951	1	HOUSING AS	
		1	2K-4973	1	LOCKNUT (3/8-16 THD)	
	23	1	2K-4973	3	LOCKNUT (3/8-16 THD)	
	24	1	5P-8167	1	BOLT (3/8-16X0.625 IN)	
	25	1	8M-3267	1	SCREW-HEX SOCKET (3/8-16X0.75 IN)	
	26	1	8T-2501	2	BOLT (3/8-16X2 IN)	
BE	27	1	147-6541		TUBE	
	28	1	128-0613	1	KIT-TETHER (INCLUDES 2 TETHERS)	
JZ	29	1		27	CLIP	
LZ	30	1		4	ROLLER	
LZ	31	1		4	BEARING	
PZ	32	1		1	HARNESS	
PZ	33	1		1	NUT	
PZ		1		1	WASHER (0.38X0.88X0.02 IN THK)	
PZ		1		1	WASHER	
	34	1	169-7380	1	BOLT-SOCKET HEAD (3/8-16X0.375 IN)	
	35	1	145-0326	1	FILM-INSTRUCTION (SEAT ADJUSTMENT)	
					AVAILABLE REPAIR KIT(S):	
J			8Y-6928	1	KIT-FASTENER	
L			123-9128	1	KIT-ROLLER (INCLUDES TIE WRAP)	
P			123-8266	1	KIT-WIRING HARNESS (AIR SUSPENSION SEAT) (INCLUDES TIE WRAPS)	

B-USE AS REQUIRED

E-ORDER BY THE CENTIMETER

J-REPAIR KIT MARKED J INCLUDES PART(S) MARKED J

L-REPAIR KIT MARKED L INCLUDES PART(S) MARKED L

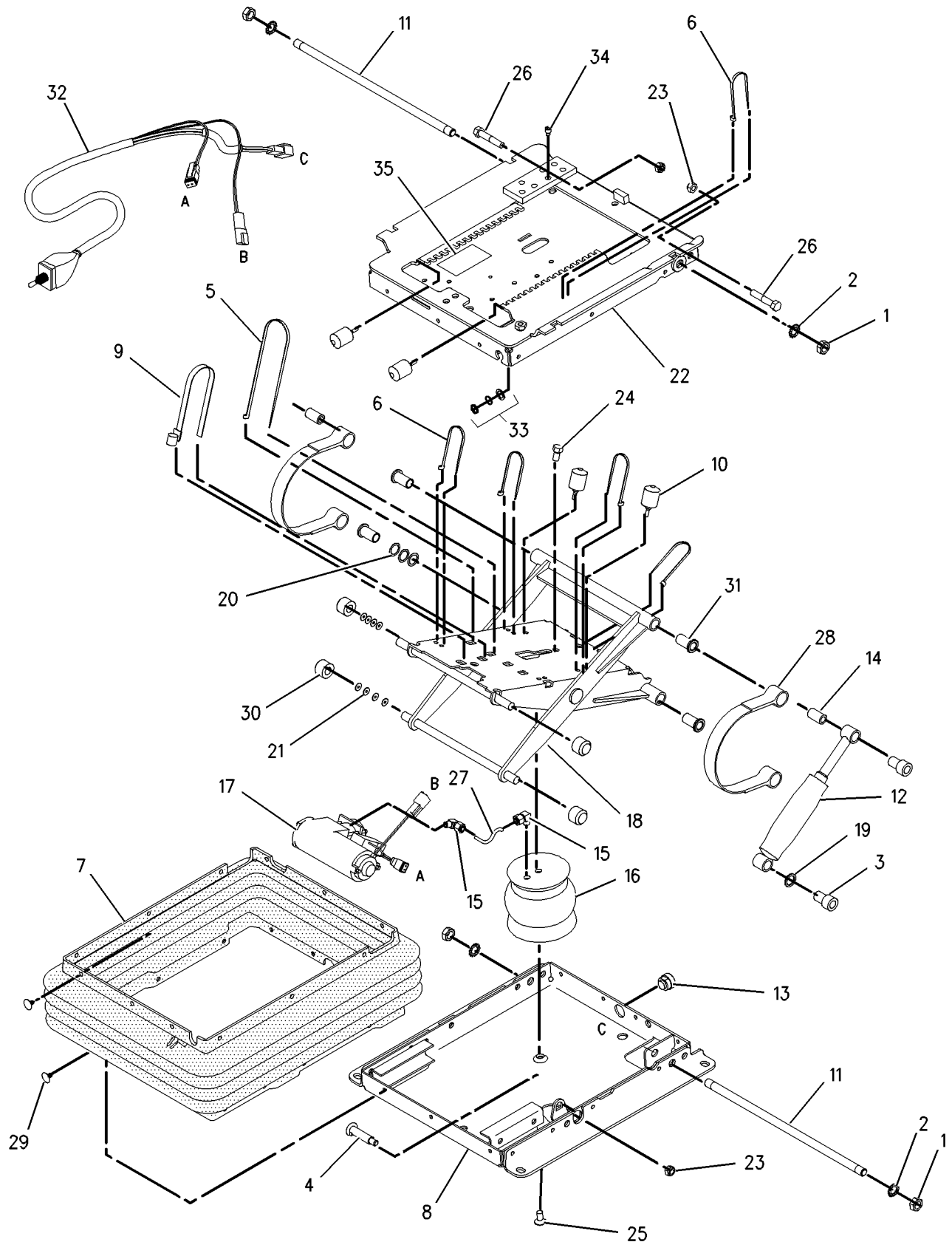
P-REPAIR KIT MARKED P INCLUDES PART(S) MARKED P

Z-NOT SERVICED SEPARATELY

OPERATOR STATION

161-7539 SUSPENSION GP - SEAT (contd.)

i01611735



GRAPHIC #1

g00835357

OPERATOR STATION

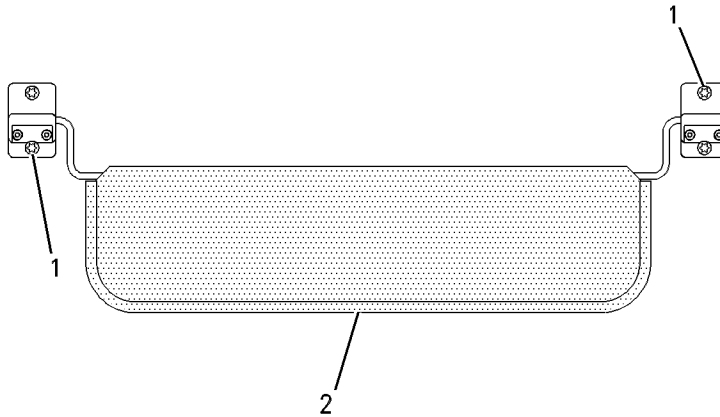
131-2633 VISOR GP-CAB

S/N: BPC1-UP
AN ATTACHMENT

SMCS-7301, 7325, 7335

i00985271

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	111-4627	4	SCREW-MACHINE						
	2	1	123-4371	1	VISOR AS						
M-METRIC PART											



REAR VIEW

GRAPHIC #1

g00501655

MEMORANDA

OPERATOR STATION

153-0460 WASHER GP-WINDOW

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7306

i01029176

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1V-9365	1	SPACER						
	2	1	3S-2093	3	STRAP-CABLE (1.75IN DIA)						
	3	1	5G-7398	1	TANK AS						
		1	3W-6398	1	CAP						
		1	3W-6399	1	PACKING						
		1	7T-8890	2	PUMP AS-WASHER						
		1	8T-5913	2	FILTER-SCREEN						
		1	8T-5914	2	GROMMET						
	4	1	8G-6142	1	STRIP						
	5	1	153-3734	1	BRACKET AS						
M		1	8T-3490	1	NUT-WELD (M10X1.5 THD)						
	6	1	7S-4244	3	CLIP (9.52MM ID)						
	7	1	8T-4121	7	WASHER (2.5MM THK)						
M	8	1	8T-4136	6	BOLT (M10X1.50X25MM)						
M	9	1	8T-6466	1	BOLT (M10X1.50X60MM)						
E	10	1	144-0195		HOSE (525CM)						

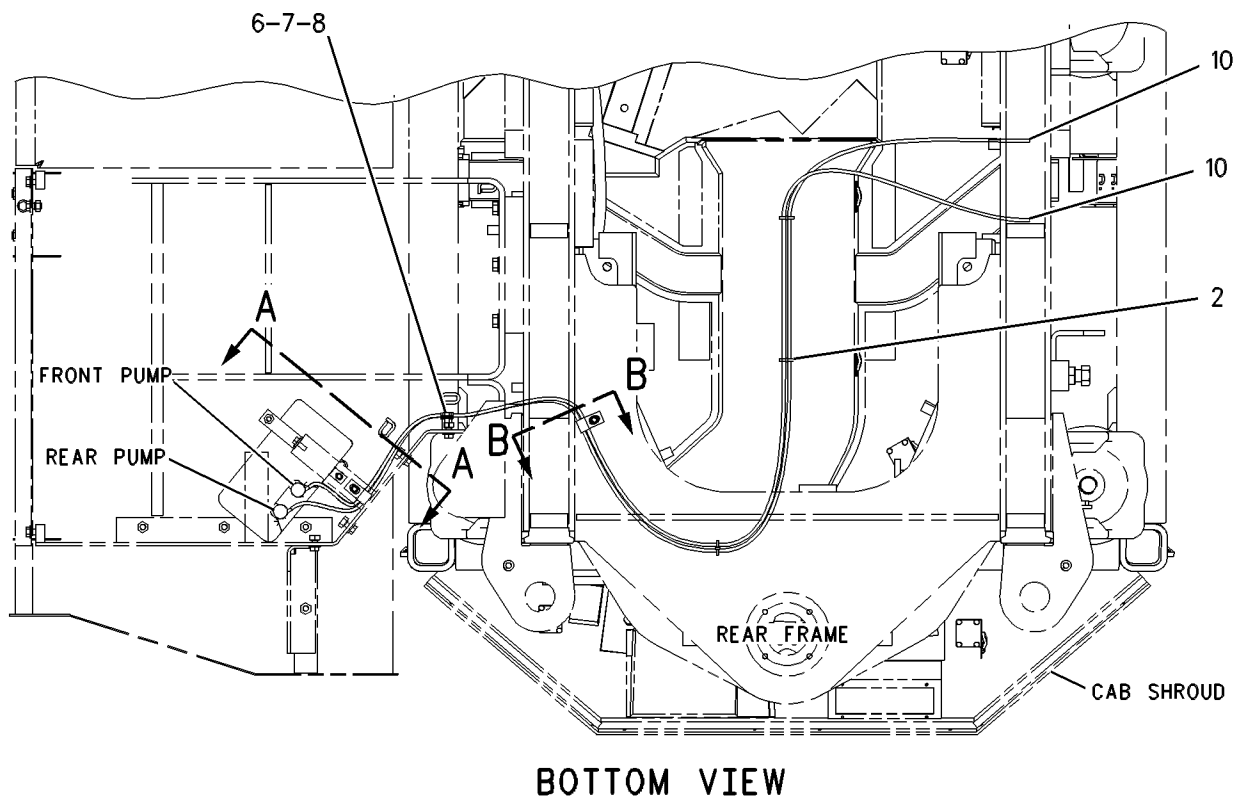
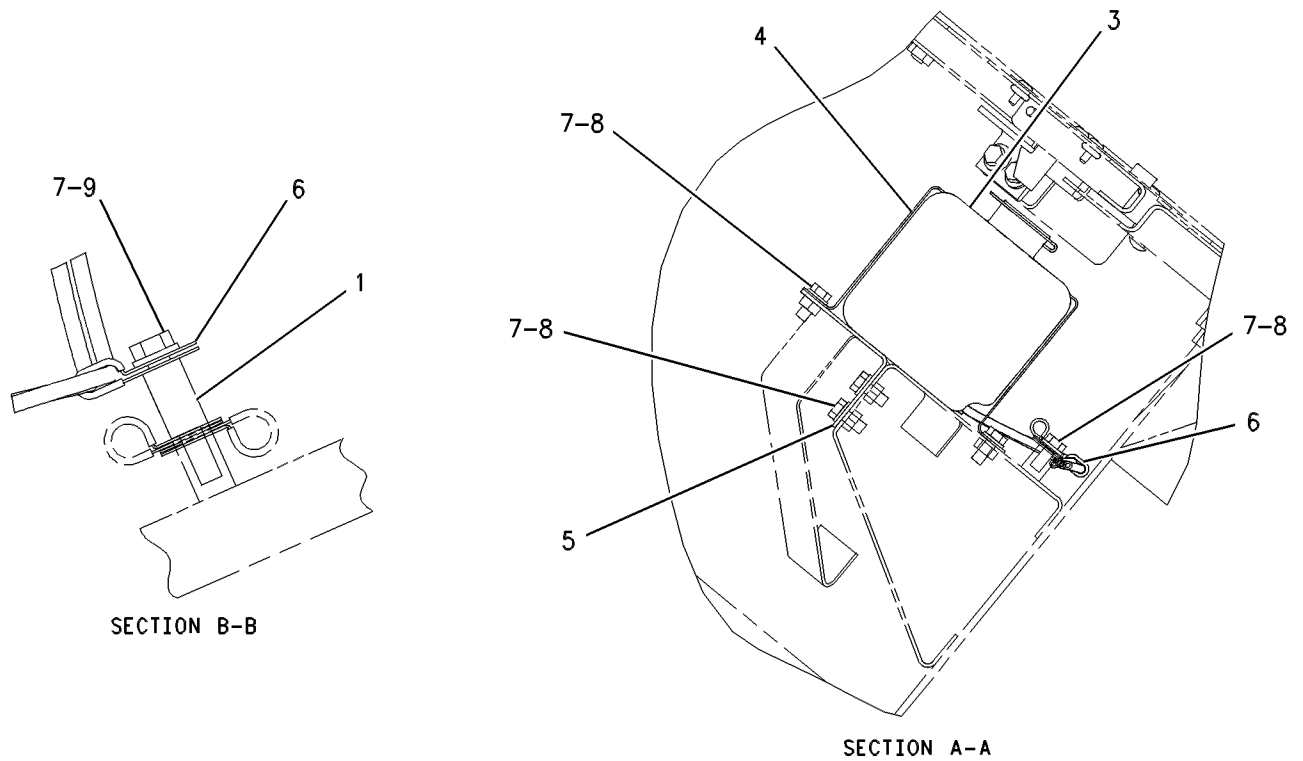
E-ORDER BY THE CENTIMETER

M-METRIC PART

OPERATOR STATION

153-0460 WASHER GP-WINDOW (contd.)

i01029176



GRAPHIC #1

g00537380

OPERATOR STATION

109-8196 WIPER GP-WINDOW

S/N: BPC1-UP

PART OF 202-9743 CAB AR

SMCS-7305

i01299958

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	3S-2093	4	STRAP-CABLE (1.75IN DIA)	
	2	1	5P-9297	1	CLIP (9.52MM ID)	
	3	1	6V-6210	1	GASKET-SHAFT	
M	4	1,2	6V-6889	4	NUT (M8X1.25 THD)	
	5	1,2	6V-7419	2	BLADE AS-WIPER	
	6	1,2	8T-5400	4	CONNECTOR	
	7	1	124-3637	1	PLATE-WIPER	
	8	2	155-5787	1	ARM AS-WIPER (FRONT)	
	9	1	155-5788	1	ARM AS-WIPER (REAR)	
Y	10	1	155-5789	1	MOTOR GP-WINDOW WIPER (REAR)	641
Y	11	1	155-5790	1	MOTOR GP-WINDOW WIPER (FRONT)	642
M	12	1	5C-9553	1	BOLT (M6X1.0X16MM)	
	13	1	8T-4205	1	WASHER-HARD (2MM THK)	
E	14	2	144-0195		HOSE (1.1M)	
E	15	2	144-0195		HOSE (1.9M)	

E-ORDER BY THE CENTIMETER

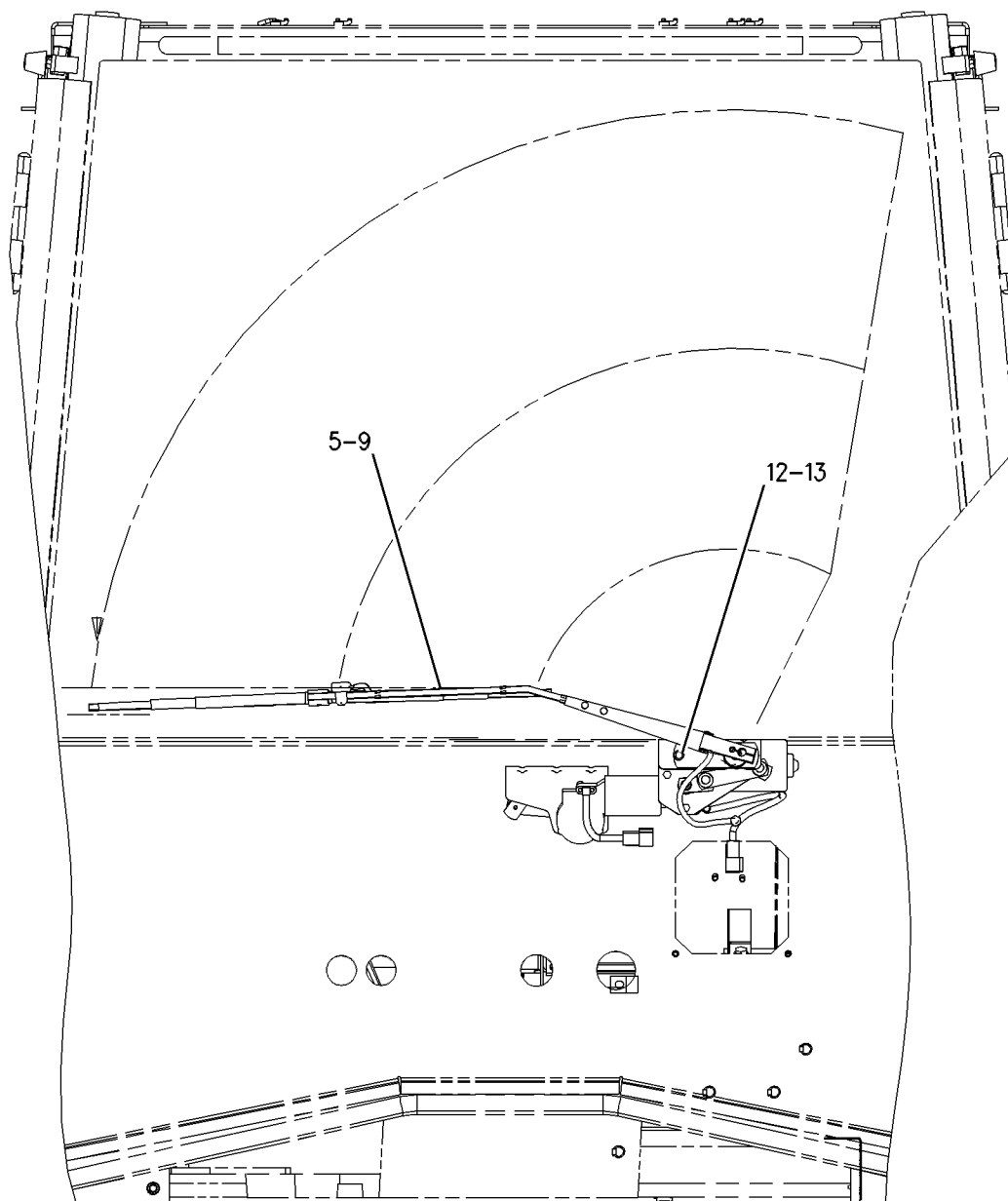
M-METRIC PART

Y-SEPARATE ILLUSTRATION

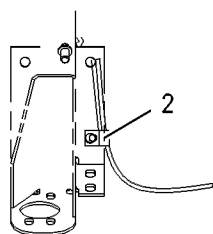
OPERATOR STATION

109-8196 WIPER GP-WINDOW (contd.)

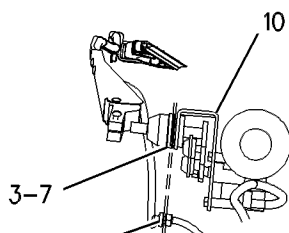
i01299958



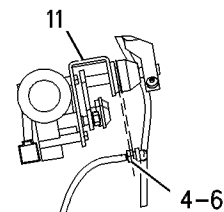
REAR VIEW



VIEW D-D



VIEW OF AREA A



VIEW OF AREA B

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

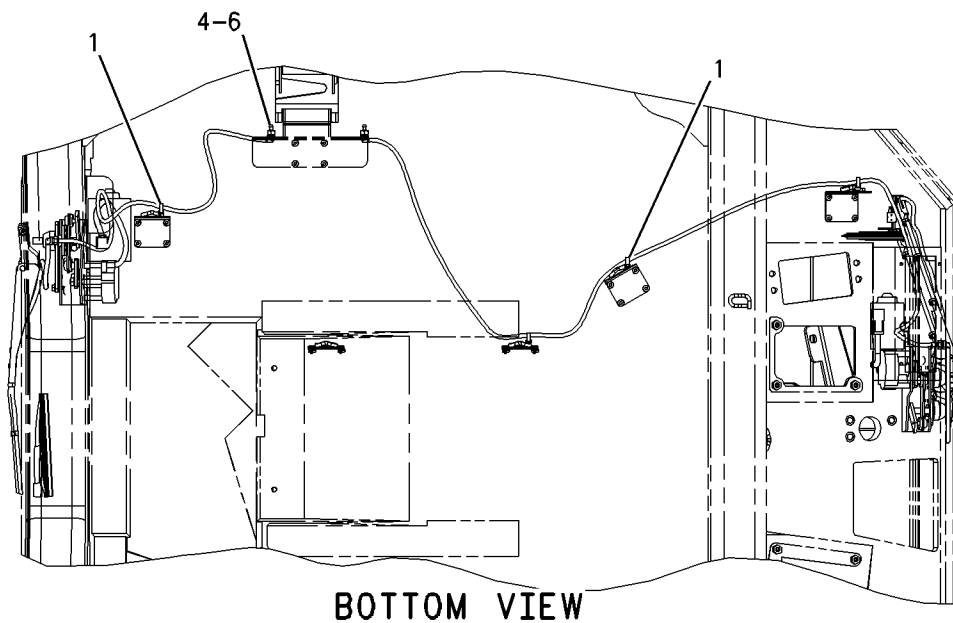
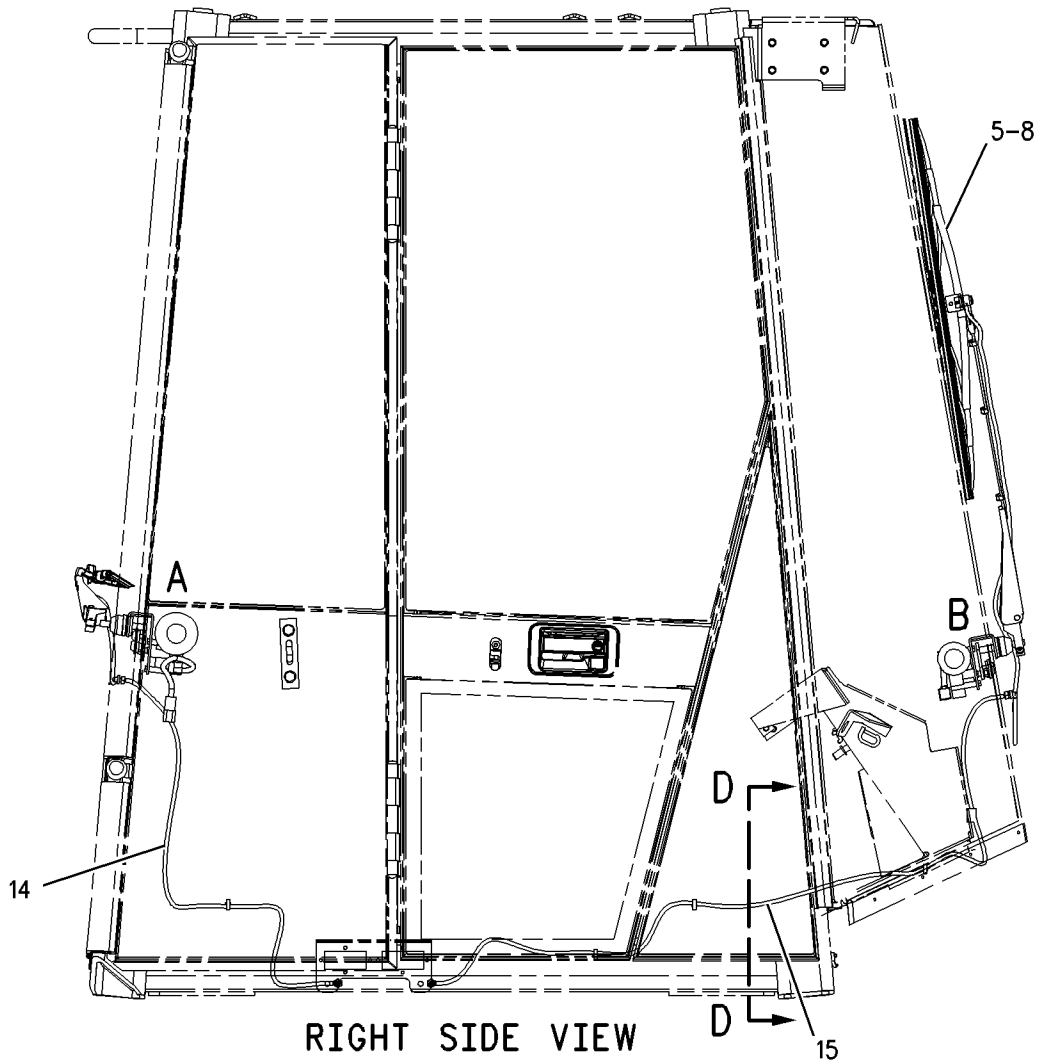
GRAPHIC #1

g00656641

OPERATOR STATION

109-8196 WIPER GP-WINDOW (contd.)

i01299958



GRAPHIC #2

g00656643

SERVICE EQUIPMENT AND SUPPLIES

171-1146 FILM GP

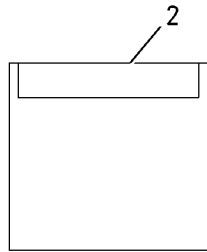
S/N: BPC1-UP

PART OF 143-3997 PLATE & FILM GP

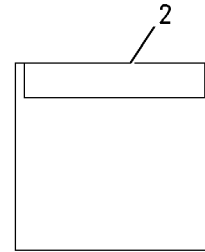
SMCS-7405, 7557

i01627942

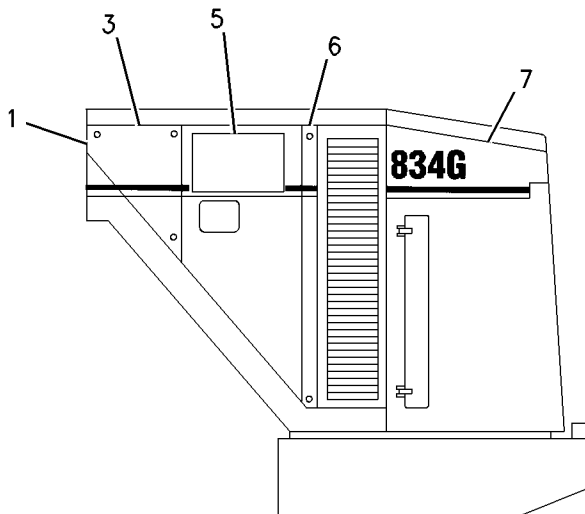
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	171-1856	1	FILM-STRIPE (LH)						
	2	1	100-5621	2	FILM-CATERPILLAR (WINDOW)						
	3	1	171-1855	1	FILM-STRIPE (LH)						
	4	1	171-1152	1	FILM-STRIPE (RH)						
	5	1	171-1151	2	FILM-CAT						
	6	1	171-1150	2	FILM-STRIPE						
	7	1	171-6740	1	FILM-STRIPE (834G, LH)						
	8	1	171-6739	1	FILM-STRIPE (834G, RH)						
	9	1	171-1153	1	FILM-STRIPE (RH)						



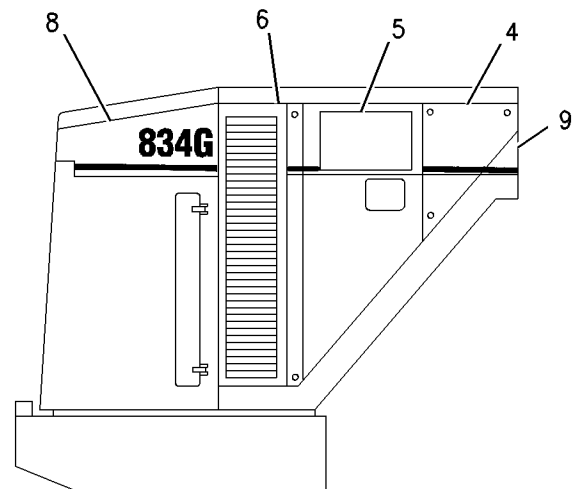
REAR CAB GLASS



FRONT WINDSHIELD



LEFT SIDE



RIGHT SIDE

GRAPHIC #1

g00691557

SERVICE EQUIPMENT AND SUPPLIES

143-3997 PLATE & FILM GP

S/N: BPC1-UP

PART OF 203-1568 CHASSIS AR

SMCS-7405, 7557

i01491968

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	171-1146	1	FILM GP						693
	5P-1175	1	FILM-ENGINE OIL						
			ON ENGINE OIL FILLER CAP						
	134-7258	1	FILM-IDENTIFICATION (EXTENDED LIFE COOLANT)						
			ON UNDERSIDE OF RADIATOR FILL CAP ACCESS DOOR						
	9X-8372	1	FILM-INSTRUCTION (WASHER FILL)						
			ON THE CAP OF WINDSHIELD WASHER BOTTLE IN THE LH PLATFORM						
	159-3759	1	FILM-INSTRUCTION (DO NOT DRILL/WELD ROPS)						
			ON THE LH REAR SURFACE OF CAB, BELOW WINDOW AND LEFT OF PLATE- ROPS/FOPS.						
	7X-3229	4	FILM-LIFT & TIE DOWN						
			ONE EACH AT FRONT & REAR LIFT & TIEDOWN EYES						
	190-5386	2	FILM-REFLECTOR (RED)						
			ON REAR OUTSIDE SURFACE OF BUMPER. 75MM FROM EACH SIDE. CENTERED VERTICALLY ON FLAT SURFACE						
	5P-9883	1	FILM-TRANSMISSION OIL						
			ON TRANSMISSION OIL FILLER TUBE						
	189-0866	1	FILM-WARNING (CAB TILT)						
			ON THE REAR, CENTER OF CAB ABOVE CAB TILT SERVICE TOOL						
	8T-7038	1	FILM-WARNING (DO NOT LIFT)						
			NEAR DRAW-BAR PIN						
	8T-1191	1	PLATE-WARNING (MACHINE OPERATION)						
			IN CAB ON FRONT SURFACE OF HEAD LINER, CENTERED ABOVE WINDSHIELD						
	9X-6562	8	TACK-FASTENER						
A	3N-3790	1	PLATE-SERIAL NUMBER (ENGINE)						

A-NOT PART OF THIS GROUP
Y-SEPARATE ILLUSTRATION

SERVICE EQUIPMENT AND SUPPLIES

184-7689 PLATE & FILM GP

S/N: BPC1-UP

AN ATTACHMENT

SMCS-7405, 7557

i01522349

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	127-8859	1	FILM-WARNING (JUMP START)						
			ON UNDERSIDE OF BATTERY BOX DOOR						
	163-5001	1	PLATE-ROPS/FOPS						
			ON LH REAR SURFACE OF CAB, BELOW WINDOW. USE SCREWS TO FASTEN						
	5P-7244	2	PLATE-WARNING (NO CLEARANCE)						
			ON SIDE FACE OF FRONT FRAME, ONE EACH SIDE. USE METAL TACKS TO FASTEN						
	7S-4002	1	PLATE-WARNING (BRAKE)						
	4B-4158	4	SCREW-DRIVE (3/16X0.25 IN)						
	9X-6562	8	TACK-FASTENER						

SERVICE EQUIPMENT AND SUPPLIES

1N-4296 PROTECTION GP-VANDALISM

S/N: BPC1-UP

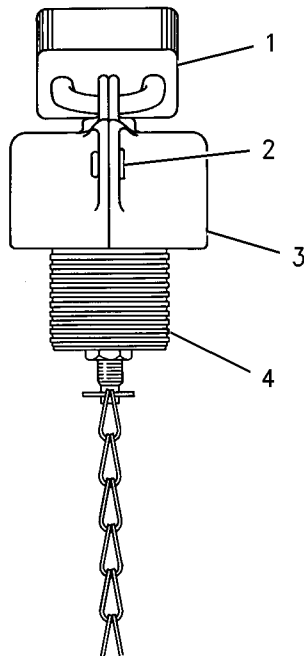
CAP

PART OF 201-2458 LINES GP-POWER TRAIN OIL

SMCS-1273, 3005, 3030, 5056, 7315

i01626575

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-8502	1	PADLOCK GP						
		1	5P-8500	1	KEY						
		1	8Y-6364	1	SLEEVE						
	2	1	8S-4212	2	RIVET						
	3	1	8S-3746	2	COVER-FILLER CAP						
	4	1	7W-1484	1	CAP AS-OIL FILTER						
		1	6H-0411	1	WASHER (32.5X50.8X1.6MM THK)						



GRAPHIC #1

g00775220

SERVICE EQUIPMENT AND SUPPLIES

4C-8195 TOOL GP-CONTROL SERVICE

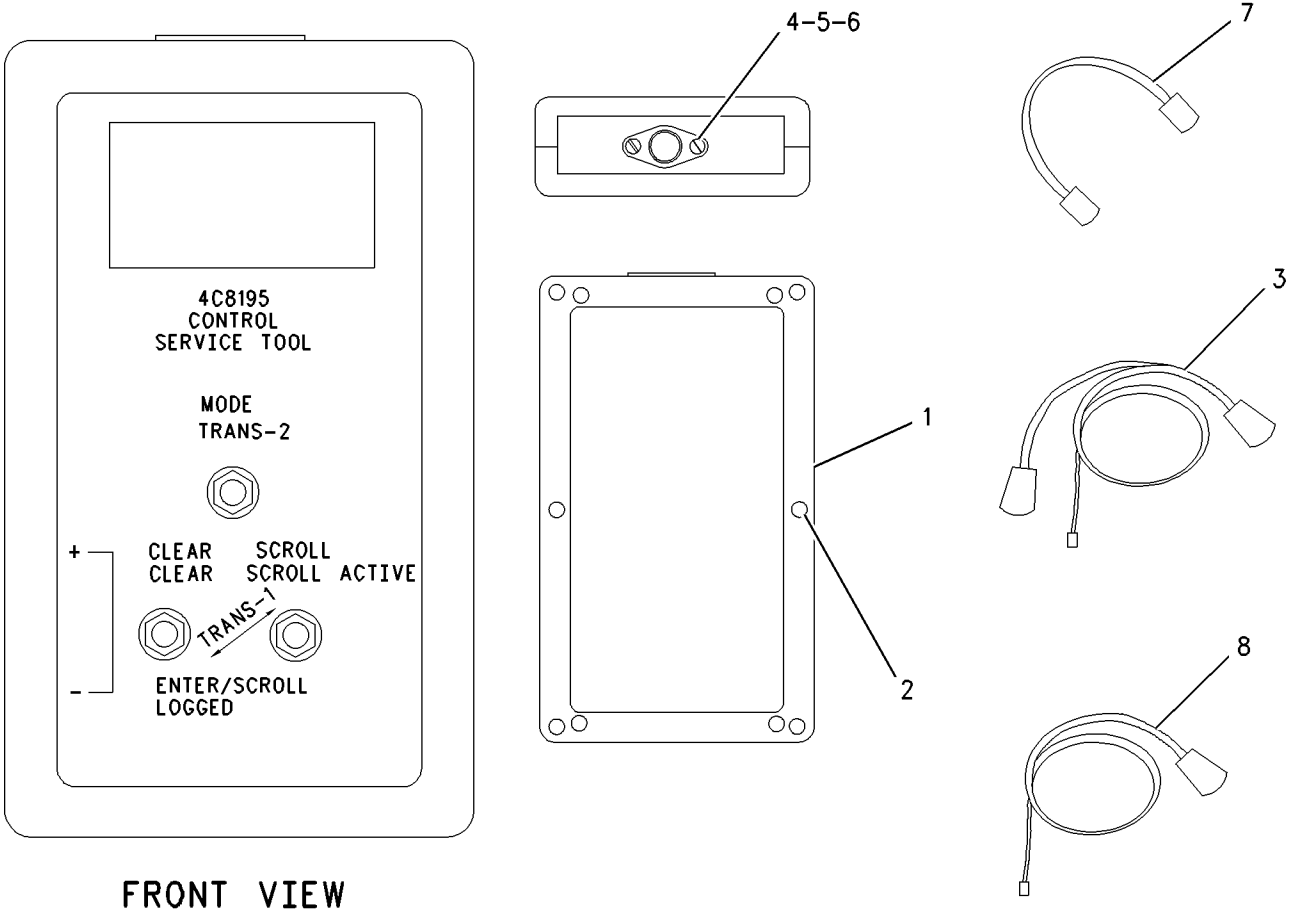
S/N: BPC1-UP

FOR IMPLEMENT & POWER TRAIN CALIBRATION
PART OF 203-1568 CHASSIS AR

SMCS-0785

i01346135

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	170-3791	1	COVER AS						
	2	1	9X-2129	6	SCREW-FLAT HEAD						
	3	1	4C-8196	1	CABLE AS						
	4	1	9X-8917	2	SCREW-MACHINE						
	5	1	6B-4540	2	NUT (4-40 THD)						
	6	1	5S-4246	2	LOCKWASHER (NO.4-INT)						
	7	1	4C-8197	1	CABLE AS						
	8	1	138-7795	1	CABLE AS						



FRONT VIEW

GRAPHIC #1

g00712245

MEMORANDA

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OL-2061	350		419		114		570
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	64	OT-0857	26		570		466
	68			1H-2629	188		471
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	68	1A-3103	274		451	1P-4579	289
	90	1A-4273	214	1H-8278	308		302
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	61	1A-5183	42	1H-8647	8		502
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	13		445	1K-7095	464	1P-4585	560
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	68	1B-5174	40	1M-6718	500		563
	95	1B-7182	82	1M-8649	560		570
	114	1B-8705	36	1M-9968	189	1P-6356	628
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834G Wheel Tractor

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