

Parts Manual



See "General Information"
for New Parts Manual
Features.

D8R Track-Type Tractor Differential Steering

AKA1-Up (Machine)
BET1-Up (Engine)
6GY1-Up (Transmission)
3MP1-Up (Bulldozer)
BHR1-Up (Bulldozer)
BHW1-Up (Bulldozer)
CXB1-Up (Bulldozer)
CXL1-Up (Bulldozer)
BHD1-Up (Ripper)
CJA1-Up (Torque Converter)

Powered By 3406E Engine

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GENERAL INFORMATION

1. MACHINE IDENTIFICATION

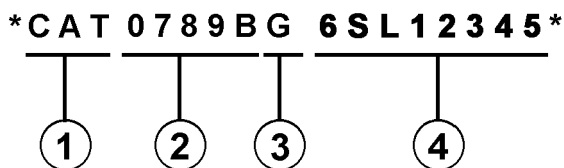
Caterpillar machines are identified by Product Identification Numbers (PIN). Some components included in a machine may be identified by Serial Numbers (S/N). Typical components that will be serialized include engines, transmissions, bulldozers, and rippers. The machine and engine are further identified 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:

CAT 0789BG 6SL12345



1 2 3 4

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

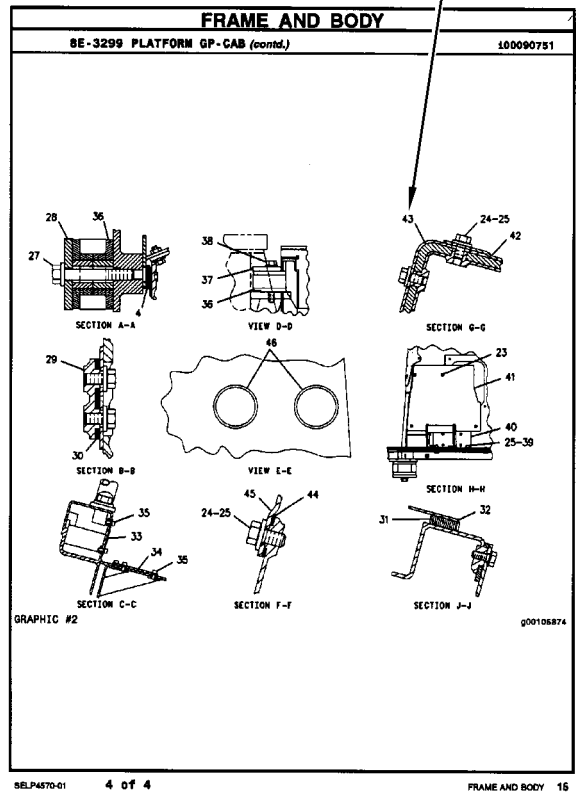
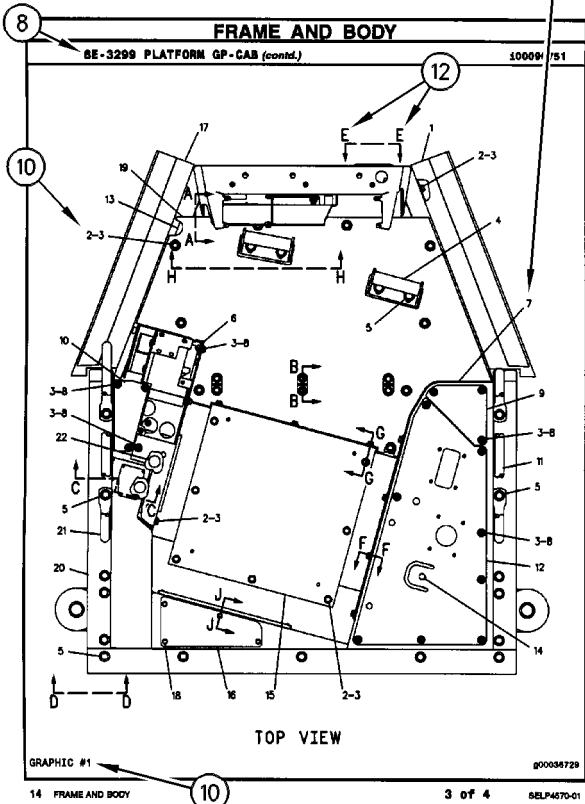
The Maintenance Parts Index, located near the beginning of the manual, references most frequently used maintenance part numbers, providing description, quantity, usage and page number. This information is organized alphabetically by part description.

INFORMACIÓN GENERAL

8 FRAME AND BODY						
8E-3299 PLATFORM GP-CAB						
PIN 38X1-99999						
8MCC-7283						100090751
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1		31-3983	1	PLATE AS	
	2		8E-3082	25	BOLT (3/8-16X.750IN)	
	3		8E-1078	41	WASHER-HARD (.38M THK)	
	4		8E-1464	2	SUPPORT AS FOOT	
	5		8E-3229	18	BOLT (1/2-13X1IN)	
	6		8E-3278	18	WASHER-HARD (.48M THK)	
	7		8E-0136	4	COVER AS LH	
	8		8E-0178	8	NUT-WELD (3/8-16 THD)	
	9		1F-0189	1	CLIP	
	10		78-2411	4	COVER	
	11		8E-0489	18	SCREW-HEAD (3/8-16X.878IN)	
	12		8E-0474	1	COVER	
	13		8E-0912	1	GASKET	
	14		8E-3249	1	COVER	
	15		8E-3280	1	GASKET	
	16		8E-3492	1	HANDRAIL	
	17		8E-0978	1	COVER AS	
	18		8E-0978	8	NUT-WELD (3/8-16 THD)	
	19		8E-0978	1	FLOORPLATE AS	
	20		1F-0749	4	NUT-WELD (1/2-13 THD)	
	21		77-8087	1	PLUG-BUTTON	
	22		77-0136	1	PLATE AS	
	23		8E-0978	5	NUT-WELD (3/8-16 THD)	
	24		77-8086	1	COVER	
	25		8E-0779	1	GASKET	
	26		8E-3081	1	PLATE AS	
	27		8E-0484	4	BOLT (1/4-20X.825IN)	
	28		8E-0485	4	WASHER-HARD (.28M THK)	
	29		8E-0486	1	FLOOR MAT	
	30		8E-0486	1	MODULE AS-OPERATOR	
	31		8E-3834	1	HANDRAIL	
	32		8E-0871	2	PLUG	
	33		8E-3284	4	BOLT (1/4-20X.825IN)	
	34		8E-0485	4	WASHER-HARD (.28M THK)	
	35		8E-3082	17	BOLT (3/8-16X.750IN)	
	36		8E-1078	21	WASHER-HARD (.38M THK)	
	37		77-0136	1	SEAL	
	38		7E-0378	2	BOLT (3/4-10X6IN)	
	39		7E-0482	2	WASHER-HARD (.88M THK)	
	40		31-3486	2	PLATE	
	41		31-1590	1	PLATE AS	
	42		78-0928	8	SPACER	
	43		31-0281	1	SEAL	
	44		78-0917	2	GASKET	
	45		78-0916	1	COVER AS	
	46		28-0278	2	WASHER	
	47		8E-0928	2	SCREW-KNURLED	
	48		8E-3492	1	COVER	
	49		8E-0907	1	COVER	
	50		8E-3021	8	SCREW-ROCKET HEAD	
	51		8E-3154	8	WASHERING	
	52		8E-0922	2	PLATE	
	53		7E-0380	2	BOLT (7/8-9X8IN)	
	54		7E-0372	2	WASHER-HARD	
	55		4E-0454	4	BOLT (3/8-16X1.0IN)	
	56		31-0788	1	COVER	

8E-3299 PLATFORM GP-CAB (contd.)						
100090751						SEE PAGE
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	41		8E-2515	1	COVER	
	42		77-0134	1	PLATE	
	43		77-0136	1	GASKET	
	44		78-8724	1	GASKET	
	45		78-8723	1	COVER	
	46		8E-1959	2	PLUG-BUTTON	

M-METRIC PART



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.

NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

INGLÊS	PORTUGUÊS	INGLÊS	PORTUGUÊS
CAP	Tampa	CONTROL	Controle
CAPACITOR	Capacitor, condensador	CONVERSION	Conversão
CARBURETOR	Caburador	CONVERTER	Conversor
CARCASS	Carcaça	COOLER	Arrefecedor
CARRIER	Suporte	COOLING	Arrefecimento
CARTON	Caixa de papelão	CORK	Cortiça
CARTRIDGE	Cartucho	CORE	Núcleo
CASE	Caixa, alojamento	CORNER	Canto
CASING	Invólucro, revestimento	COTTER PIN	Contrapino
CASTER	Rolete, roldana	COUNTER	Contador, tacômetro
CAST IRON	Ferro fundido	COUNTERWEIGHT	Contrapeso
CATWALK	Passadiço	COUPLER	Acoplador, engate
CENTER	Centro	COUPLING	Acoplamento, conexão
CHAIN	Corrente	COVER	Tampa
CHAMBER	Câmara	COWL	Capota
CHANGEOVER	Modificação	COWLING	Capota
CHANNEL	Canal	CRADLE	Armação, suporte
CHASSIS	Chassi, armação	CRANK	Manivela
CHECK-VALVE	Válvula de retenção	CRANKCASE	Cárter
CIRCUIT	Circuito	CRANKSHAFT	Virabrequim
CIRCUIT BREAKER	Interruptor de circuito	CROSS UNION	Junta transversal
CLAMP	Braçadeira	CROSSBAR	Barra transversal
CLASP	Fecho, grampo	CUP	Capa, anel externa
CLEANER	Purificador	CURTAIN	Cortina
CLEVIS	Forquilha, garfo	CUSHION	Almofada, amortecedor
CLIP	Clipe, presilha, grampo	CUTTER	Fresa, cortador
CLOSURE	Fecho	CUTTING EDGE	Borda cortante
CLUTCH	Embreagem	CYLINDER	Cilindro
COARSE	Grosso, áspero	CYLINDER BLOCK	Bloco do motor
COATING	Capa, revestimento	CYLINDER HEAD	Cabeçote
COCK	Torneira	DAMPER	Amortecedor
COIL	Bobina, serpentina	DARK GREEN	Verde escuro
COLLAR	Colar	DASH	Painel
COLLECTOR	Coletor	DASH PANEL	Painel de Instrumento
COLLET	Mandril	DECCELERATOR	Desacelerador
COLUMN	Coluna	DEFLECTOR	Defletor
COMPACTOR	Compactador	DETENT	Retém, pino de trava
COMPARTMENT	Compartimento	DIAGRAM-WIRING	Diagrama dos circuitos elétricos
COMPLETE	Completo	DIAL	Medidor de dial
COMPOUND	Composto	DIAPHRAGM	Diafragma
COMPRESSOR	Compressor	DIESEL ENGINE	Motor diesel completo
CONCAVE	Côncavo	COMPLETE	Motor diesel completo
CONDITIONER	Condicionador	DIFFERENTIAL	Diferencial
CONDUIT	Conduite, eletroduto	DIFFUSER	Difusor
CONE	Cone	DIMMER	Redutor de luminosidade
CONNECTING	Ligação	DIODE	Diodo
CONNECTED ROD	Biela	DIRECTOR	Diretor
CONNECTION	Conexão	DISC	Disco
CONNECTOR	Conetor	DISCONNECT	Desligar
CONSISTS OF	Consiste de	DISPOSABLE	Disponível, substituível
CONSOLE	Consolo	DISSIPATOR	Dissipador de calor
CONTACT	Contato, platinado	DISTRIBUTOR	Distribuidor
CONTACTOR	Contactador	DM = DECIMETER	dm = decímetro
CONTINUED FROM	Continuação de		

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
LUBRICATION SYSTEM				
BREATHER AS	4N-4668	1	BREATHER GP	72
CAP AS-FILLER	4P-9579	1	FILLER GP-ENGINE OIL	74
CAP-DUST	6V-0852	1	FILTER GP-ENGINE OIL	76
	8C-3445	1	FILTER GP-ENGINE OIL	76
CAP (ENGINE OIL RECEIVER)	110-8826	1	OIL CHANGE GP-HIGH SPEED	86
CAP (POWER TRAIN OIL RECEIVER)	110-8318	1	OIL CHANGE GP-HIGH SPEED	86
FILTER AS-ENGINE OIL	1R-0716	1	FILTER GP-ENGINE OIL	76
OPERATOR STATION				
BLADE AS-WIPER (FRONT & REAR)	6V-5851	2	WIPER GP-WINDOW	870
BLADE AS-WIPER (RH & LH DOORS)	6V-5849	2	WIPER GP-WINDOW	870
CAP-AIR CONDITIONER VALVE (7/16 X 20 THD)	2L-1224	1	CONDENSER GP-REFRIGERANT	754
CAP-SEAL (AIR CONDITIONER)(HIGH SIDE)	3E-4052	1	LINES GP-AIR CONDITIONER	782
		1	LINES GP-AIR CONDITIONER	786
		1	LINES GP-AIR CONDITIONER	790
CAP-VENTED	8E-8292	1	BOTTLE GP-WINDOW WASHER	742
FILTER-AIR (CAB FRESH AIR)	6T-0988	1	PRESSURIZER GP-CAB	818
FILTER AS (CAB REC AIR)	6T-5068	1	PRESSURIZER GP-CAB	818
LAMP (24 VOLT)	3E-8825	2	AIR CONDITIONER AR	733
		2	AIR CONDITIONER AR	734
		2	AIR CONDITIONER AR	735
	115-1748	1	INSTRUMENT GP	770
		1	INSTRUMENT GP-CAB	774
LAMP (28 VOLT)	123-9294	4	INSTRUMENT GP	770
		4	INSTRUMENT GP-CAB	774
LIGHT-DASH PANEL	159-9257	1	INSTRUMENT GP	770
		1	INSTRUMENT GP-CAB	774
V-BELT (AIR CONDITIONER COMPRESSOR)	2S-9506	1	COMPRESSOR GP-REFRIGERANT	750
POWER TRAIN				
BREATHER AS (POWER TRAIN)	185-6684	1	LINES GP-POWER TRAIN OIL	324
CAP AS-FILLER (POWER TRAIN OIL)	6N-2985	1	LINES GP-POWER TRAIN OIL	324
CAP-DUST	6V-0852	2	CASE & PARTS GP-PLANETARY	302
		1	FILTER GP-OIL	310
		3	LINES GP-POWER TRAIN OIL	324
		1	VALVE GP-CONTROL	358
		1	VALVE GP-RELIEF	365
	8C-3447	1	LINES GP-POWER TRAIN OIL	324
FILTER ELEMENT AS-OIL (HYDRAULIC)	1R-0778	1	FILTER GP-OIL	310
	132-8876	1	FILTER GP-OIL	309
PLUG-DRAIN	4B-7739	1	TORQUE CONVERTER GP	350
PLUG-O-RING	9S-8008	2	VALVE GP-CONTROL	358
SCREEN AS (POWER TRAIN OIL PUMP INLET)	9P-0214	1	LINES GP-POWER TRAIN OIL	324
SCREEN AS (TORQUE CONVERTER SCAVENGE)	3T-6471	1	LINES GP-POWER TRAIN OIL	324
SCREEN-SUCTION	8S-9130	1	CASE & PARTS GP-PLANETARY	302

PIEZAS DE MANTENIMIENTO

DESCRIPCION	NUMERO DE PIEZA	CANT	SE UTILIZA EN	PAGINA
SISTEMA DE ENFRIAMIENTO				
CORREA TRAPEZOIDAL (COMPRESOR DEL ACONDICIONADOR DE AIRE)	3S-3964	1	VENTILADOR VARIABLE (CONFIG)	98
FILTRO DE AGUA	119-3025	1	BOMBA DE AGUA (GR)	121
FILTRO DE LA BOMBA DE AGUA	136-3742	1	BOMBA DE AGUA (GR)	118
MANGUERA	106-4572	5	RADIADOR (GR)	128
REGULADOR DE TEMPERATURA DEL AGUA (92 GR C)	4W-4794	1	TUBERÍAS DEL AGUA (GR)	110
TAPA	111-7421	2	TANQUE DEL AGUA (GR)	138
TAPA CONTRA EL POLVO	6V-0852	1	TUBERÍAS DEL AGUA (GR)	114
TAPA DE RADIADOR (CONJ)	031-1119	1	TANQUE DE REFRIGERANTE (GR)	137
TAPÓN DE DRENAJE	8M-1869	1	TUBERÍAS DEL AGUA (GR)	114
VENDADO CON CINTURÓN TRAPEZIAL (VENTILADOR DE MOTOR)	9Q-3668	1	VENTILADOR VARIABLE (CONFIG)	98
SISTEMA DE FRENOS Y DIRECCIÓN				
CONEXION (CONJ) (DESCONEXION RAPIDA)	6V-3965	1	FILTRO DE ACEITE (GR)	520
FILTRO DE ACEITE (CONJ)	102-2828	1	FILTRO DE ACEITE (GR)	520
TAPA CONTRA EL POLVO	6V-0852	1	FILTRO DE ACEITE (GR)	520
		8	TUBERÍAS DE DIRECCIÓN (GR)	524
	8C-3451	1	FILTRO DE ACEITE (GR)	520
SISTEMA DE LUBRICACIÓN				
FILTRO DE ACEITE DEL MOTOR (CONJ)	1R-0716	1	FILTRO DE ACEITE DEL MOTOR (GR)	76
RESPIRADERO (CONJ)	4N-4668	1	RESPIRADERO (GR)	72
TAPA CONTRA EL POLVO	6V-0852	1	FILTRO DE ACEITE DEL MOTOR (GR)	76
	8C-3445	1	FILTRO DE ACEITE DEL MOTOR (GR)	76
TAPA DE LLENADO (CONJ)	4P-9579	1	TUBO DE LLENADO DE ACEITE (GR)	74
TAPA (RECEPTOR DE ACEITE DE MOTOR)	110-8826	1	CAMBIO RÁPIDO DE ACEITE (GR)	86
TAPA (RECEPTOR DE ACEITE DE TREN DE FUERZA)	110-8318	1	CAMBIO RÁPIDO DE ACEITE (GR)	86

WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
FAHRERHAUS				
DICHTUNGSKAPPE (KLIMAAANLAGE)(OBERE SEITE)	3E-4052	1	KLIMAAANLAGENLEITUNGEN	782
		1	KLIMAAANLAGENLEITUNGEN	786
		1	KLIMAAANLAGENLEITUNGEN	790
FILTERSATZ (FAHRERHAUS-UM- LUFTFILTER)	6T-5068	1	FAHRERHAUSBELÜFTUNG	818
INSTRUMENTENTAFELBELEUCHTUNG	159-9257	1	FAHRERHAUS-INSTRUMENTENTAFEL	774
		1	INSTRUMENTENSATZ	770
KAPPE MIT ENTLÜFTER	8E-8292	1	SCHEIBENWASCHANLAGENBE- HÄLTER	742
KEILRIEMEN (KLIMAAANLAGEN- KOMRESSOR)	2S-9506	1	KÄLTEMITTELKOMPRESSOR	750
KLIMAAANLAGEN-VENTILKAPPE (7/16 X 20 GEWINDE)	2L-1224	1	KÄLTEMITTELKONDENSATOR	754
LEUCHTE (24 V)	3E-8825	2	KLIMAAANLAGE	733
		2	KLIMAAANLAGE	734
		2	KLIMAAANLAGE	735
	115-1748	1	FAHRERHAUS-INSTRUMENTENTAFEL	774
		1	INSTRUMENTENSATZ	770
LEUCHTE (28 V)	123-9294	4	FAHRERHAUS-INSTRUMENTENTAFEL	774
		4	INSTRUMENTENSATZ	770
LUFTFILTER (FAHRERHAUS-FRI- SCHLUFTFILTER)	6T-0988	1	FAHRERHAUSBELÜFTUNG	818
SCHEIBENWISCHERBLATT (RECHTE U. LINKE TÜREN)	6V-5849	2	SCHEIBENWISCHER	870
SCHEIBENWISCHERBLATT (VORNE U. HINTEN)	6V-5851	2	SCHEIBENWISCHER	870

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MACHINE ARRANGEMENT

143-7740 WOODCHIP AR

S/N: AKA1-UP

SMCS-7000

i01488536

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	158-6439	1	AIR CONDITIONER AR						735
Y	202-9780	1	ALTERNATOR GP-CHARGING						200
Y	163-4061	7	CORE AS-RADIATOR						94
Y	163-4062	2	CORE AS-RADIATOR						95
Y	118-7442	1	GRILL GP-RADIATOR						420
Y	118-7441	1	GUARD AS-RADIATOR						430
Y	160-1809	1	LIGHTING AR						238
Y	160-7442	1	PRECLEANER AR						158
	160-7443	1	HOOD AS						
	1F-0750	18	NUT-WELD (3/8-16 THD)						
	1F-0748	7	NUT-WELD (1/2-13 THD)						
	3J-5169	1	NUT (5/8-11 THD)						
	126-1074	2	HANDHOLD						
	109-5197	2	FILM-WOODCHIP AR						
	1Z-0886	1	PAINT GP						

Y-SEPARATE ILLUSTRATION

BASIC ENGINE

170-4672 COVER GP-CYLINDER BLOCK

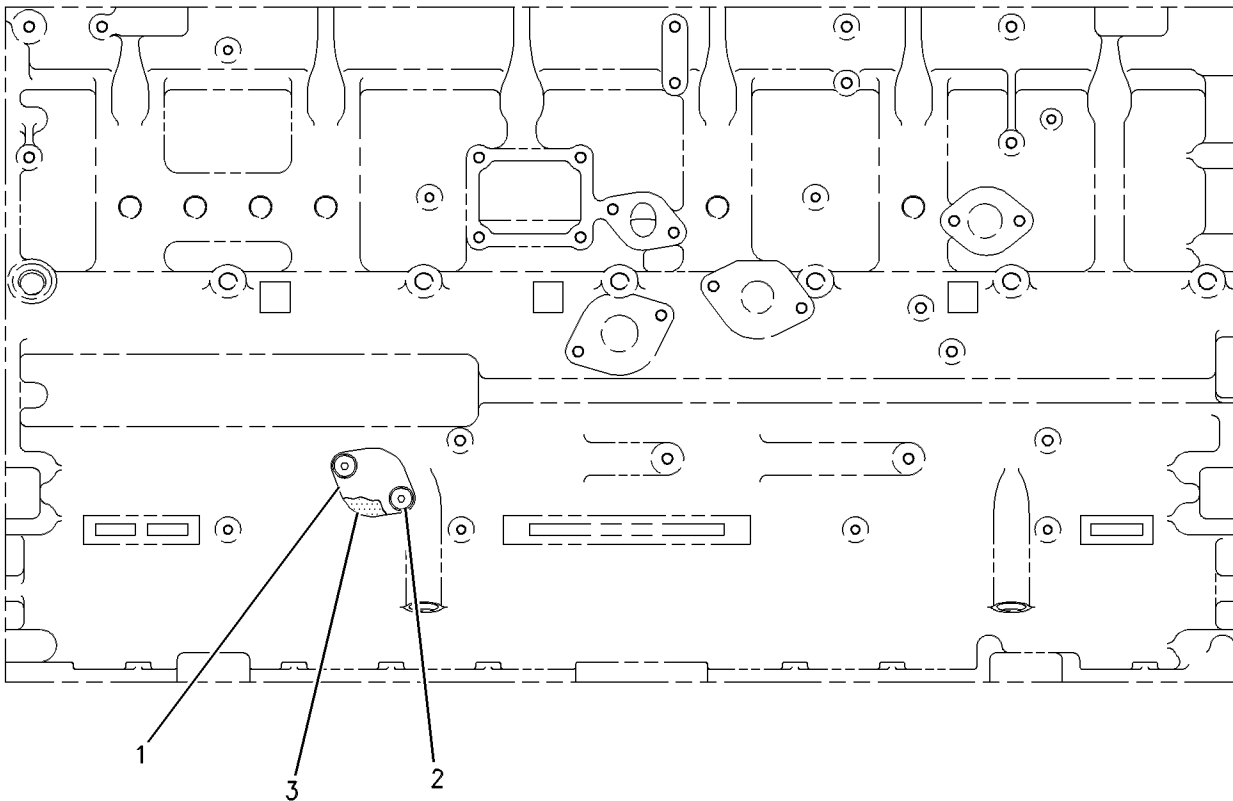
S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMplete

SMCS-1201

i01439894

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7W-5444	1	COVER						
	2	1	030-7571	2	BOLT (3/8-16X1.0IN)						
	3	1	4N-0699	1	GASKET						



RIGHT SIDE VIEW

GRAPHIC #1

g00661276

BASIC ENGINE

137-8468 CYLINDER BLOCK AS

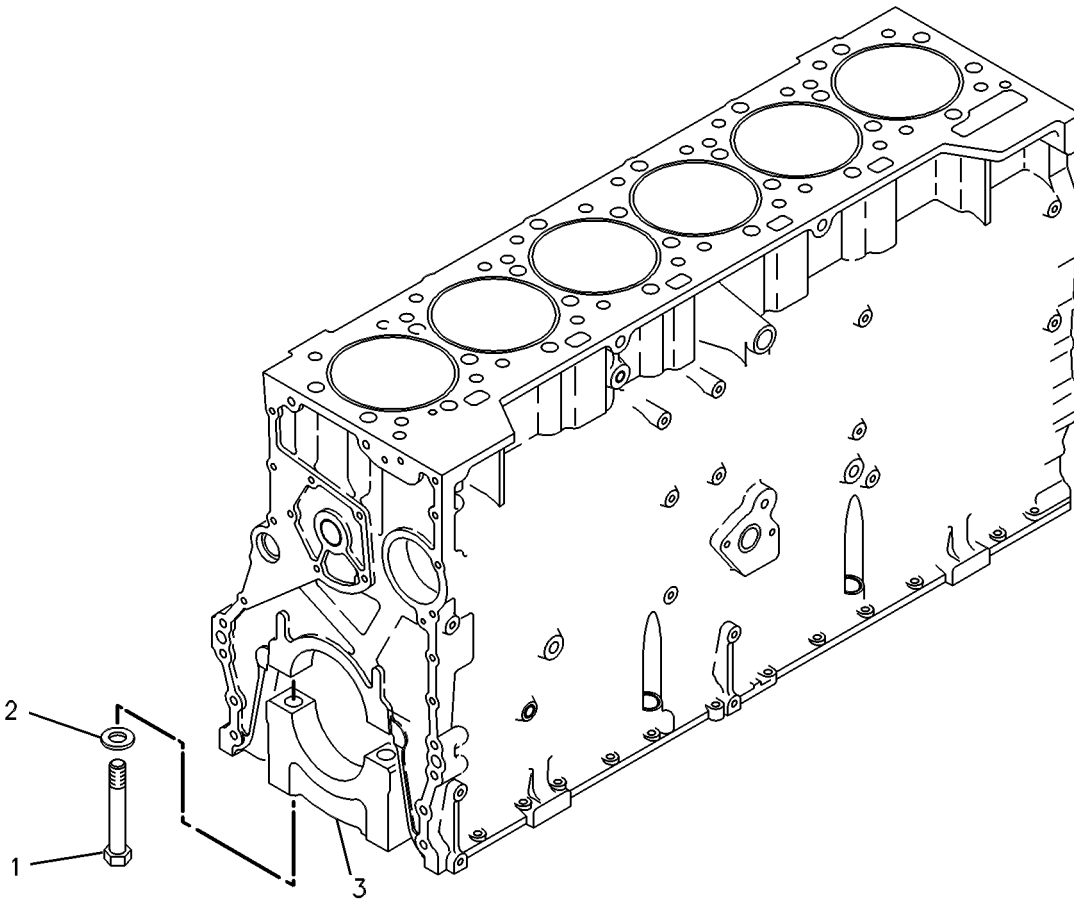
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PART OF 137-8469 CYLINDER BLOCK GP

SMCS-1117, 1201, 1211, 1216, 1217, 1221, 1222, 1223,
1224, 1238, 1239, 1240, 1331

i01501396

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3P-1323	14	BOLT (BEARING CAP)						
	2	1	9H-1031	14	WASHER-HARD (24X41.5X6MM THK)						
	3	1	4N-5857	7	CAP-CRANKSHAFT BEARING						



GRAPHIC #1

g00265763

BASIC ENGINE

125-8523 DRIVE GP-FAN

S/N: AKA1-UP

PART OF 124-4818 FAN AR-EJECTOR

SMCS-1357, 1358, 1359, 1390

i01488409

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4W-8595	1	PULLEY-CRANKSHAFT						
	2	1	4P-3877	1	BRACKET AS-FAN						
		1	4P-3875	1	SHAFT-FAN						
	3	1	4N-8596	1	PULLEY-FAN DRIVE						
	4	1	0S-1566	4	BOLT (5/8-11X1.5 IN)						
	5	1	129-2416	1	V-BELT SET (INCLUDES 3 BELTS) (STANDARD APPLICATIONS)						
					-OR-						
A		1	9Q-3670	1	V-BELT-BANDED (DEBRIS LADEN APPLICATIONS)						
	6	1	1D-4602	1	BOLT (5/8-11X9.5 IN)						
	7	1	5F-0149	1	SEAL-O-RING						
	8	1	4P-3878	1	HUB-FAN PULLEY						
	9	1	1W-4564	1	WASHER-RETAINING						
	10	1	3B-1915	6	BOLT (3/8-16X1.37 IN)						
	11	1	9W-3620	2	CONE-BEARING						
	12	1	4P-3874	1	SPACER						
	13	1	110-6936	1	SUPPORT						
	14	1	8T-8919	2	BOLT (1/2-13X1.75 IN)						
	15	1	6V-8188	2	NUT (1/2-13 THD)						
	16	1	9W-3621	2	CUP-BEARING						
	17	1	8T-4835	4	BOLT (1/2-13X2 IN)						
	18	1	8B-8255	1	SEAL-LIP						
	19	1	0S-1588	6	BOLT (3/8-16X1.25 IN)						
	20	1	5M-8009	1	PIN-SPRING						
	21	1	9Y-7889	1	SPACER						
	22	1	8S-2388	1	HOSE AS-FLEXIBLE						
	23	1	119-4763	1	ADAPTER						
	24	1	3B-8485	1	FITTING-GREASE						
	25	1	8L-6557	1	CONNECTOR						
	26	1	5P-9297	1	CLIP						
	27	1	5M-3062	1	BOLT (3/8-16X0.75 IN)						
	28	1	8T-4896	1	WASHER-HARD (10.2X18.5X2.5MM THK)						

A-NOT PART OF THIS GROUP

BASIC ENGINE

9Y-2187 GEAR GP-REAR

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE

SMCS-1204

i00569712

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132-3201	1	ADAPTER AS-PUMP						
	2	1	8M-9315	1	BEARING-SLEEVE						
	3	1	131-8674	1	GEAR AS-DRIVE (57 TEETH)						
	4	1	4F-6024	1	PIN						
	5	1	6V-5141	1	SEAL-O-RING						
	6	1	0S-1588	6	BOLT (3/8-16X1.25IN)						
	7	1	101-3670	1	ADAPTER AS-PUMP						
	8	1	8M-9315	1	BEARING-SLEEVE						
	9	1	9Y-5618	1	GEAR AS-DRIVE (68 TEETH)						
	10	1	4F-6024	1	PIN						
	11	1	9Y-1985	1	GEAR AS-IDLER (55 TEETH)						
	12	1	1W-4738	1	BEARING-SLEEVE						
	13	1	9Y-1981	1	GEAR AS-IDLER (78 TEETH)						
	14	1	1W-4738	1	BEARING-SLEEVE						
	15	1	9Y-2092	2	RETAINER-IDLER						
	16	1	3B-1915	6	BOLT (3/8-16X1.375IN)						
	17	1	9Y-2094	1	GEAR AS-CRANKSHAFT (68 TEETH)						
	18	1	4N-0684	1	DOWEL						
	19	1	3F-1547	1	SEAL-O-RING						
	20	1	1A-1460	6	BOLT (1/2-13X2IN)						

BASIC ENGINE

160-0569 MOUNTING GP-ALTERNATOR

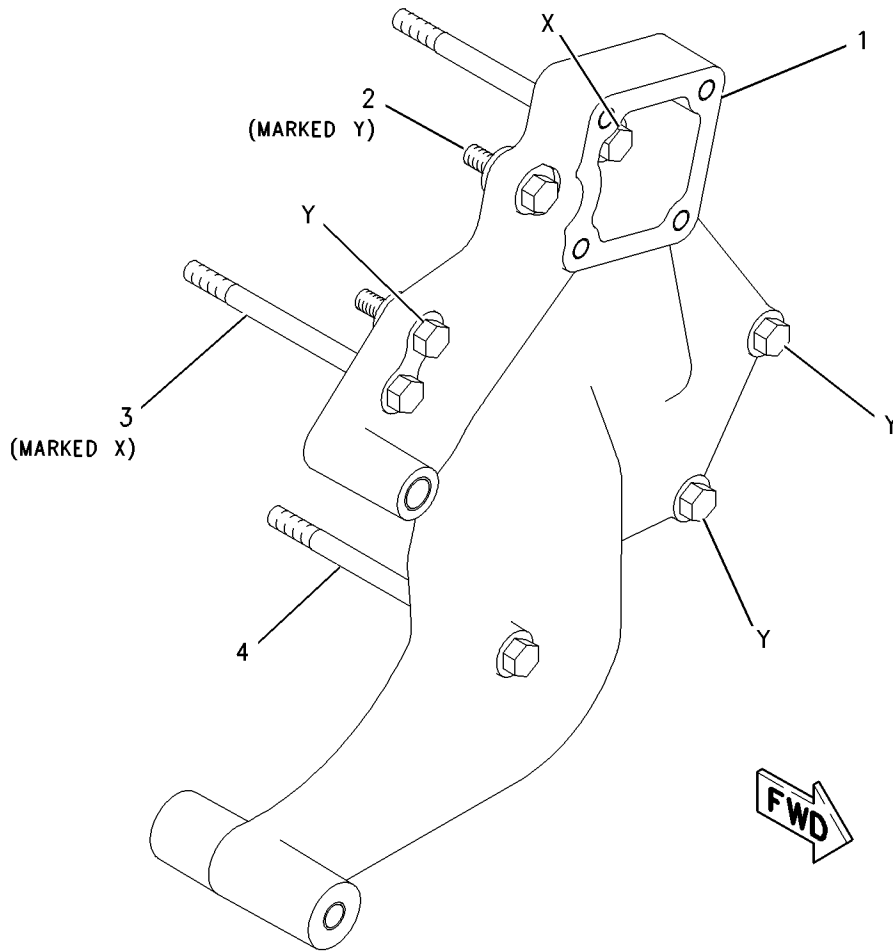
S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMplete

SMCS-1405

i01445077

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	159-9379	1	BRACKET-MOUNTING						
	2	1	0S-1591	4	BOLT (3/8-16X1.5 IN)						
	3	1	5B-9603	2	BOLT (3/8-16X5 IN)						
	4	1	7F-3425	1	BOLT (3/8-16X5.75IN)						



GRAPHIC #1

g00709371

BASIC ENGINE

9Y-8837 SUPPORT GP-ENGINE

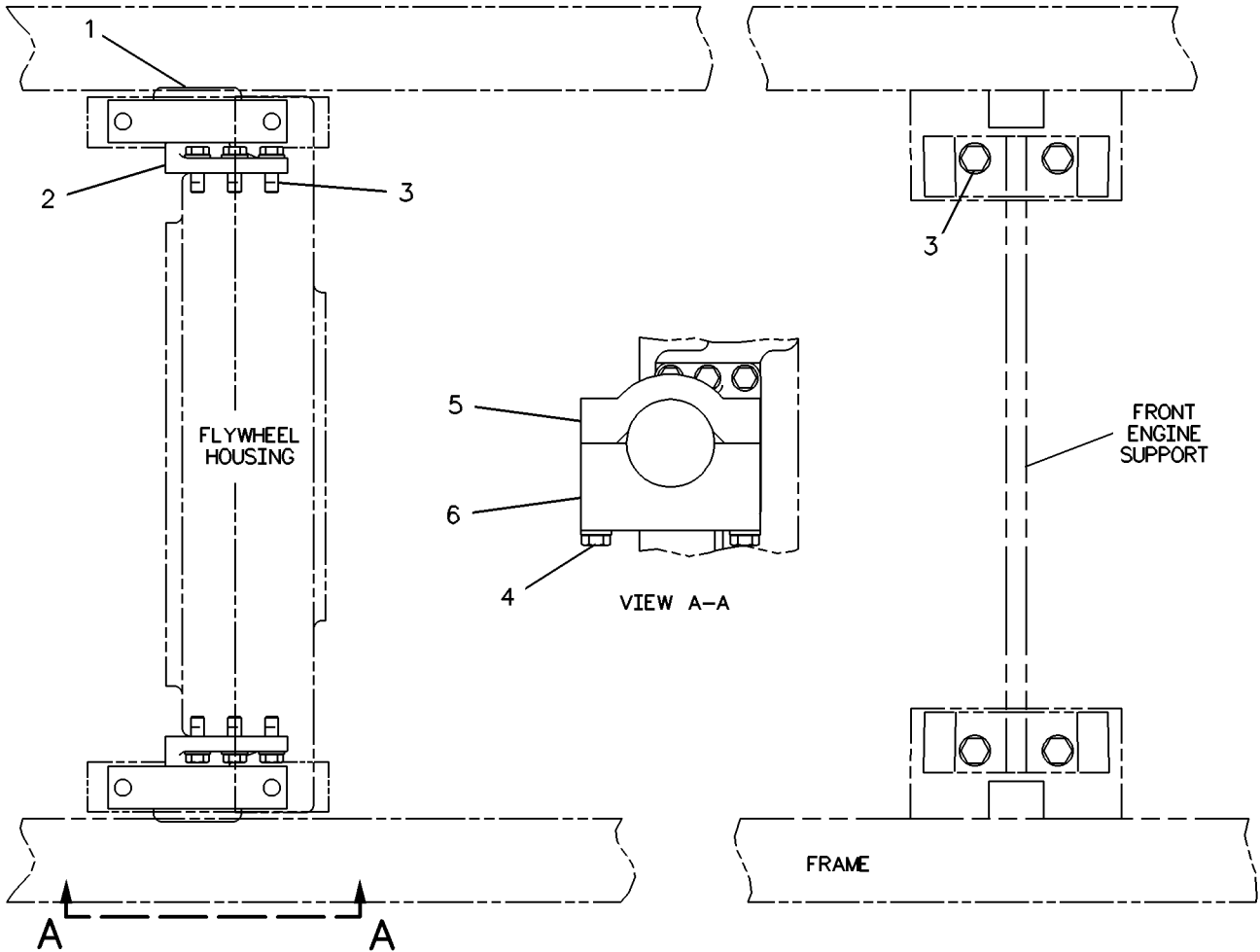
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PART OF 159-5908 INSTALLATION AR-ENGINE

SMCS-1152, 1153, 1154

i00569719

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6Y-2065	2	MOUNT AS						
	2	1	7E-0658	2	SUPPORT-ENGINE						
	3	1	0S-1589	18	BOLT (5/8-11X1.75IN)						
		1	5P-8247	18	WASHER-HARD (3.5MM THK)						
	4	1	1D-5976	4	BOLT (7/8-9X7IN)						
		1	5P-8249	4	WASHER (4.0MM THK)						
	5	1	7E-0660	2	CAP						
	6	1	7E-0659	2	SUPPORT						



GRAPHIC #1

g00222306

LUBRICATION SYSTEM

161-2423 GAUGE GP-OIL LEVEL (DIPSTICK)

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE

SMCS-1326

i01488639

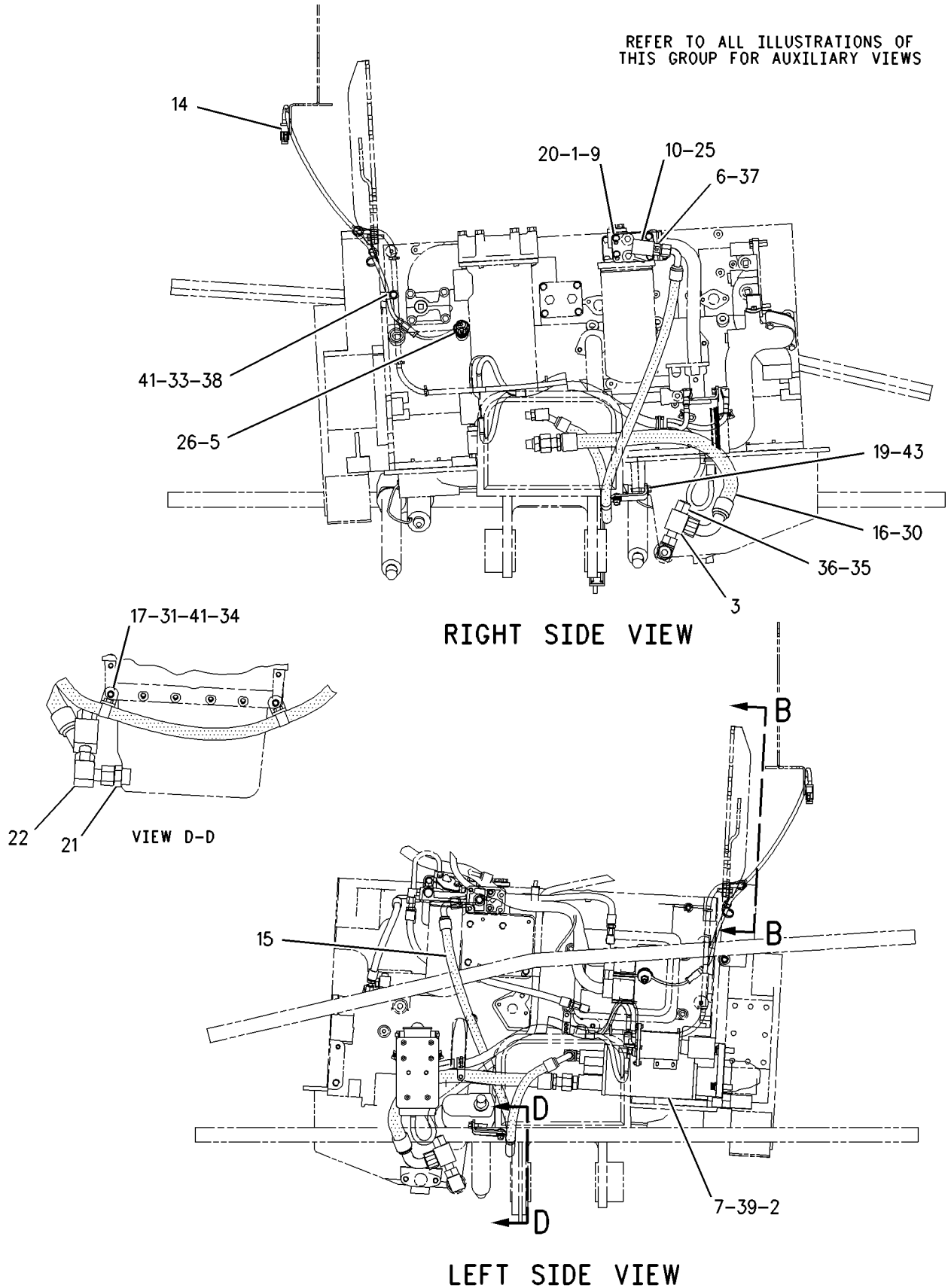
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
J	1	1	165-6170	3	PLUG							
	2	1	199-4028	1	BRACKET AS							
			1	1F-0750	2	NUT-WELD (3/8-16 THD)						
			1	4K-9097	1	NUT-WELD (5/16-18 THD)						
	3	1	0S-0509	1	BOLT (3/8-16X0.75 IN)							
	4	1	118-5068	1	SEAL-O-RING							
	5	1	1D-4538	2	BOLT (5/16-18X2.25IN)							
	6	1	202-9750	1	GAUGE AS-OIL LEVEL (DIPSTICK)							
	7	1	202-9751	1	GUIDE AS-GAUGE							
	8	1	5M-2894	2	WASHER-HARD (10.2X18.5X2.5MM THK)							
9	1	8M-2770	1	CLIP								
10	1	9M-1974	2	WASHER-HARD (8.8X16X2MM THK)								
J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS												

LUBRICATION SYSTEM

161-8142 PRELUBRICATION AR-ENGINE (contd.)

i01496638

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS



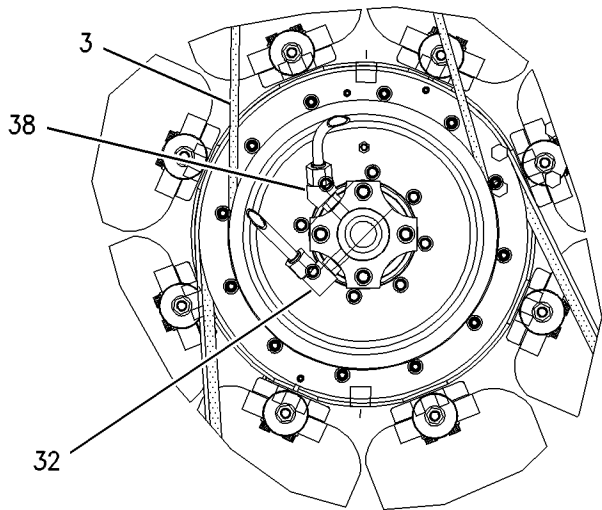
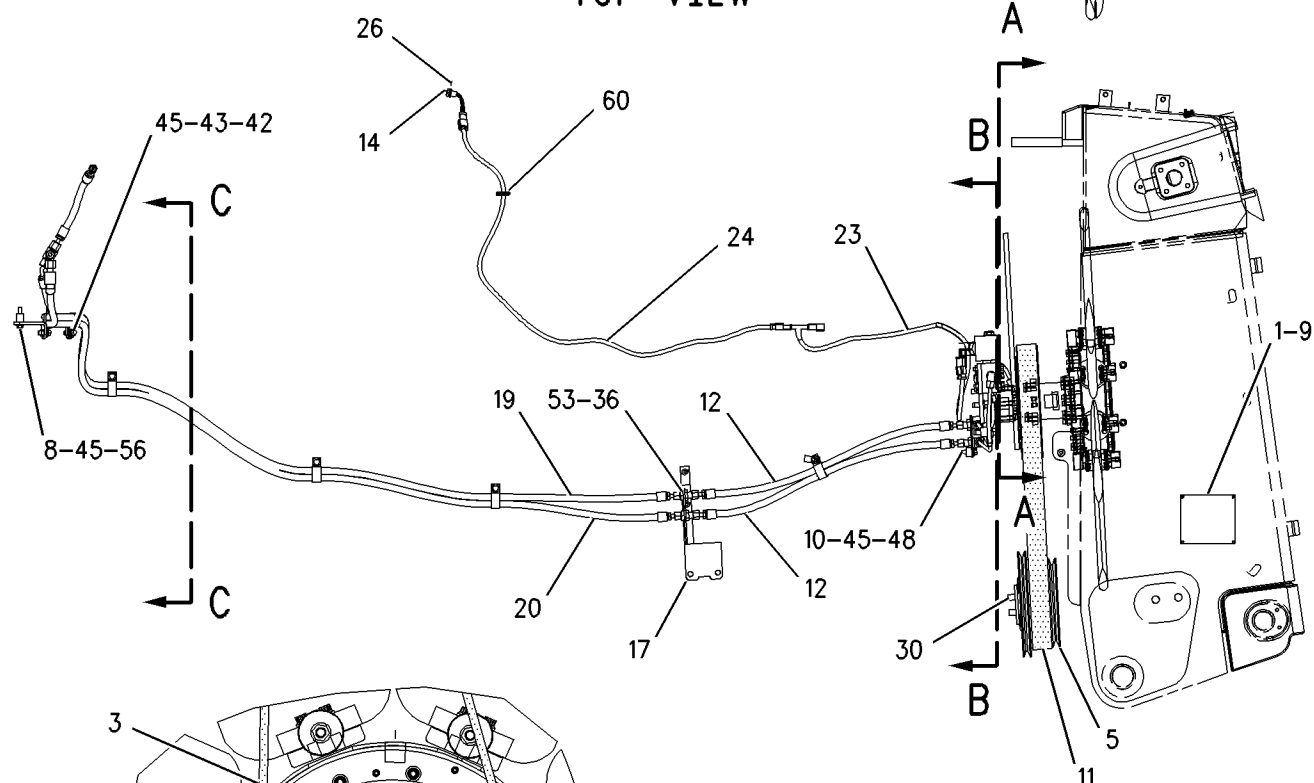
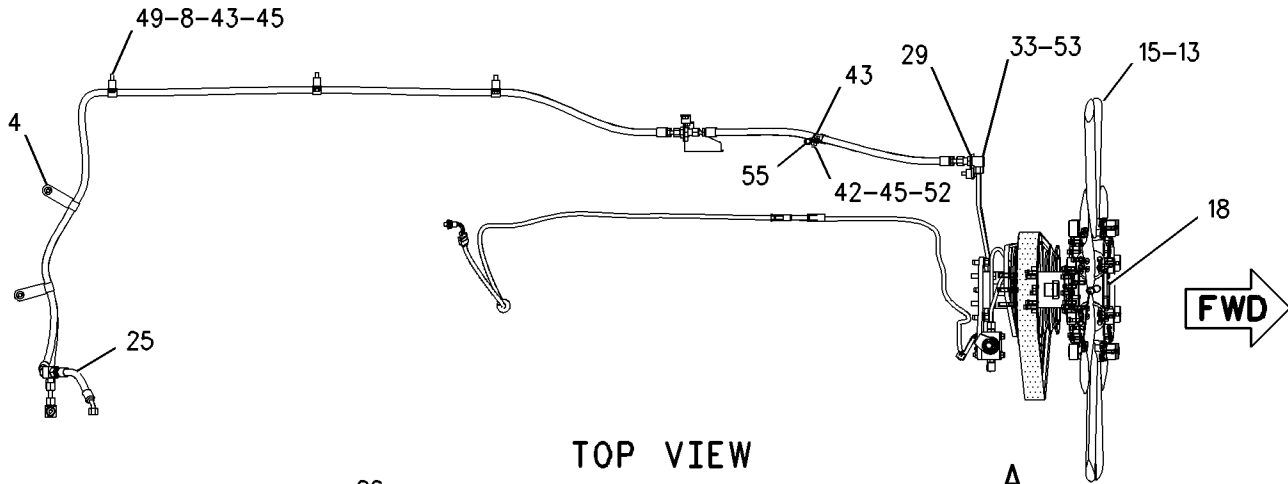
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COOLING SYSTEM

143-7770 FAN AR-VARIABLE (contd.)

i01488588



RIGHT SIDE VIEW

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

COOLING SYSTEM

160-4934 LINES GP-WATER

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMplete

SMCS-1355, 1380, 1393

i01436926

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	159-9350	1	BONNET-OUTLET						
	2	1	159-9351	1	BONNET-COOLER INLET						
	3	1	160-1773	1	PLATE-BRACKET						
	4	1	170-4673	1	BONNET-OIL COOLER INLET						
	5	1	160-4213	1	COVER AS-HOUSING						
	5A	1	2H-1193	1	FERRULE						
	5B	1	3S-9643	1	SEAL-LIP						
	5C	1	8T-6765	1	PLUG-PIPE						
	6	1	7W-3587	1	ELBOW-BYPASS						
	7	1	7N-1572	1	COVER-WATER PUMP						
	8	1	4N-0641	1	GASKET						
	9	1	0S-1594	3	BOLT (3/8-16X1 IN)						
	10	1	8T-6761	1	PLUG-PIPE						
	11	1	9X-8875	4	BOLT (1/2-13X3.5IN)						
	12	1	9X-8873	2	BOLT (1/2-13X2.25 IN)						
	13	1	2S-0795	2	GASKET						
	14	1	0S-1595	2	BOLT (1/2-13X1.25 IN)						
	15	1	9X-8874	2	BOLT (1/2-13X3IN)						
	16	1	1D-4569	2	BOLT (1/2-13X4.25 IN)						
	17	1	5P-8245	2	WASHER-HARD (13.5X25.5X3MM THK)						
	18	1	5M-2894	8	WASHER-HARD (10.2X18.5X2.5MM THK)						
	19	1	0S-1590	1	BOLT (3/8-16X2 IN)						
	20	1	0L-1351	2	BOLT (3/8-16X.875 IN)						
	21	1	4N-1199	2	CLIP						
	23	1	109-0077	1	SEAL-O-RING (100.97MM ID)						
	24	1	4N-6257	1	ADAPTER						
	25	1	8T-6767	1	PLUG-PIPE						
	26	1	7C-0307	1	GASKET						
	27	1	4W-4794	1	REGULATOR-WATER TEMPERATURE (92 DEG C.)						
	28	1	4N-1156	1	GASKET-REGULATOR COVER						
	29	1	0S-1619	3	BOLT (3/8-16X3 IN)						
	30	1	109-0076	1	SEAL-O-RING (50.17MM ID)						
	31	1	0S-1591	4	BOLT (3/8-16X1.5 IN)						
	32	1	7X-7731	3	PLUG-PIPE						
	33	1	125-0434	1	SEAL-INTEGRAL						
	34	1	0L-2070	2	BOLT (3/8-16X2.25 IN)						
	35	1	7W-0570	1	BLOCK						
	36	1	5B-9603	4	BOLT (3/8-16X5 IN)						
	37	1	102-2240	1	SENSOR GP-TEMPERATURE (WATER)						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
		1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)						
		1	8T-8729	3	PIN-CONNECTOR						
BE		1	9X-1813		SLEEVE						
	38	1	112-5282	1	SEAL-O-RING (16.36MM ID)						
Y	39	1	134-6054	1	SWITCH GP-FLOW (COOLANT)						136
	40	1	2B-2695	2	BOLT (5/16-18X0.875 IN)						
	41	1	9M-1974	2	WASHER-HARD (8.8X16X2MM THK)						
	42	1	4N-3841	1	GASKET						
	43	1	7W-6492	2	PLUG-PIPE (1/2-14 NPTF)						
	44	1	145-9277	1	COVER						
	45	1	0S-1588	4	BOLT (3/8-16X1.25 IN)						
	46	1	126-4935	1	SEAL-INTEGRAL						

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

COOLING SYSTEM

160-3916 PUMP GP-WATER

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE

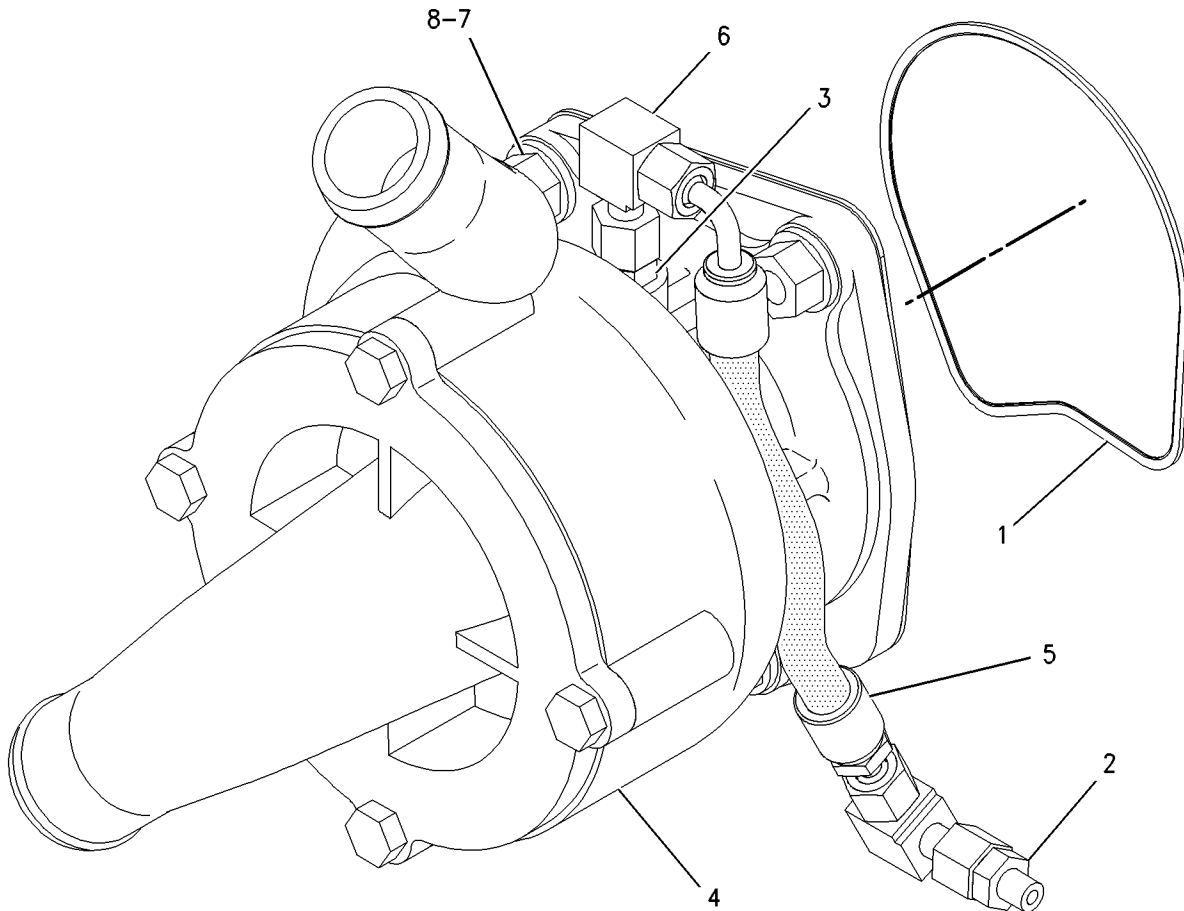
SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394

i01503072

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	144-6142	1	SEAL - INTEGRAL						
	2	1	148-8320	1	CONNECTOR AS						
		1	4J-5477	1	SEAL - O-RING						
		1	8C-6865	1	CONNECTOR						
	3	1	148-8337	1	CONNECTOR AS						
		1	4J-5477	1	SEAL - O-RING						
		1	8C-6866	1	CONNECTOR						
Y	4	1	160-3917	1	PUMP GP-WATER						121
I	5	1	168-7354	1	HOSE AS						
	6	1	148-8351	2	ELBOW GP						
					(EACH INCLUDES)						
		1	4J-5477	1	SEAL - O-RING						
		1	6V-9849	1	ELBOW-SWIVEL						
	7	1	1F-7958	3	NUT-FULL (1/2-13 THD)						
	8	1	5P-8245	3	WASHER-HARD (13.5X25.5X3MM THK)						

I - SEE HOSE FABRICATION GUIDE

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

g00758892

COOLING SYSTEM

161-3232 RADIATOR GP

S/N: AKA1-UP

PART OF 161-2424 RADIATOR GP

SMCS-1351

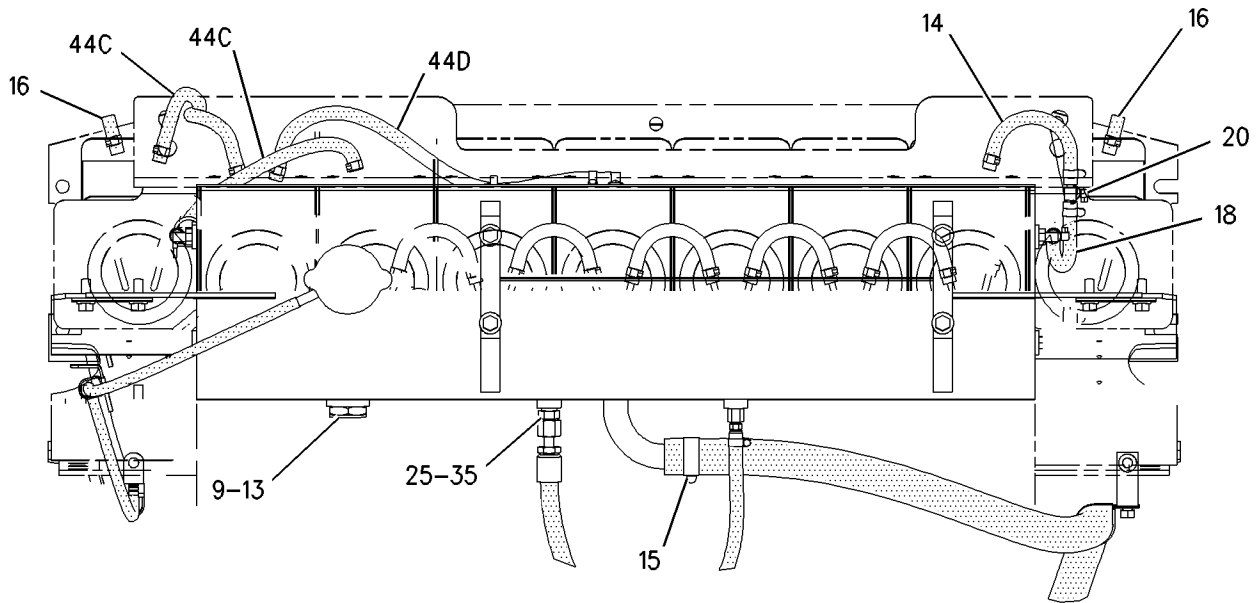
i01461172

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-2435	9	SPACER						
	2	1	108-0697	7	RETAINER AS						
					(EACH INCLUDES)						
	2A	1	1F-0750	2	NUT-WELD (3/8-16 THD)						
	3	1	109-3611	1	BRACKET AS						
		1	1F-0748	4	NUT-WELD (1/2-13 THD)						
	4	1	173-4512	7	CORE AS-RADIATOR						
	5	1	173-4511	2	CORE AS-RADIATOR						
	6	1	6I-2431	9	SEAL						
	7	1	166-5336	1	TANK AS-RADIATOR						
		1	1F-0750	5	NUT-WELD (3/8-16 THD)						
	8	1	109-3609	1	RETAINER AS						
		1	1F-0750	1	NUT-WELD (3/8-16 THD)						
	9	1	109-3610	1	RETAINER AS						
		1	1F-0750	1	NUT-WELD (3/8-16 THD)						
	10	1	5P-1075	14	WASHER-HARD (10.2X22.5X3MM THK)						
	11	1	5P-1076	8	WASHER-HARD (13.5X30X4MM THK)						
	12	1	5P-2566	4	BOLT (1/2-13X1.5 IN)						
	13	1	8T-2502	14	BOLT (3/8-16X1.125 IN)						
	14	1	8T-2561	2	WASHER-HARD (10.5X28.5X5MM THK)						
	15	1	8T-4835	4	BOLT (1/2-13X2 IN)						
	16	1	9B-7237	2	BOLT (3/8-16X1.25 IN)						

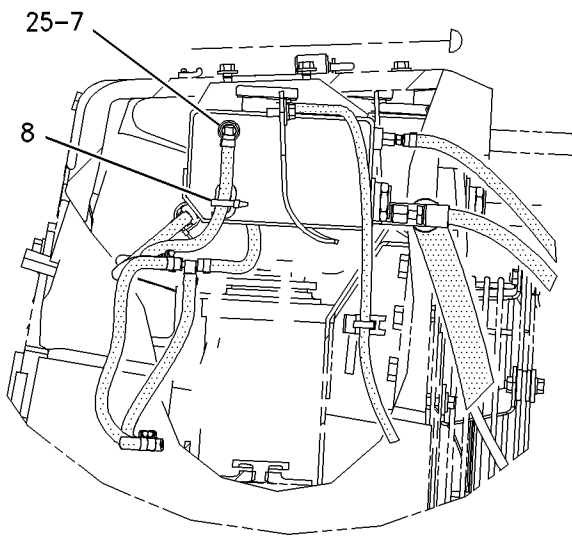
COOLING SYSTEM

171-1283 TANK GP-WATER (contd.)

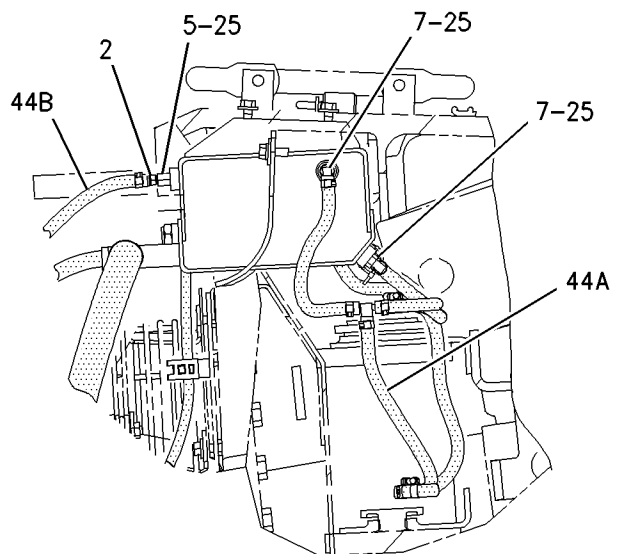
i01486164



TOP VIEW



VIEW A-A



VIEW B-B

AIR INLET AND EXHAUST SYSTEM

161-2431 LINES GP-AIR

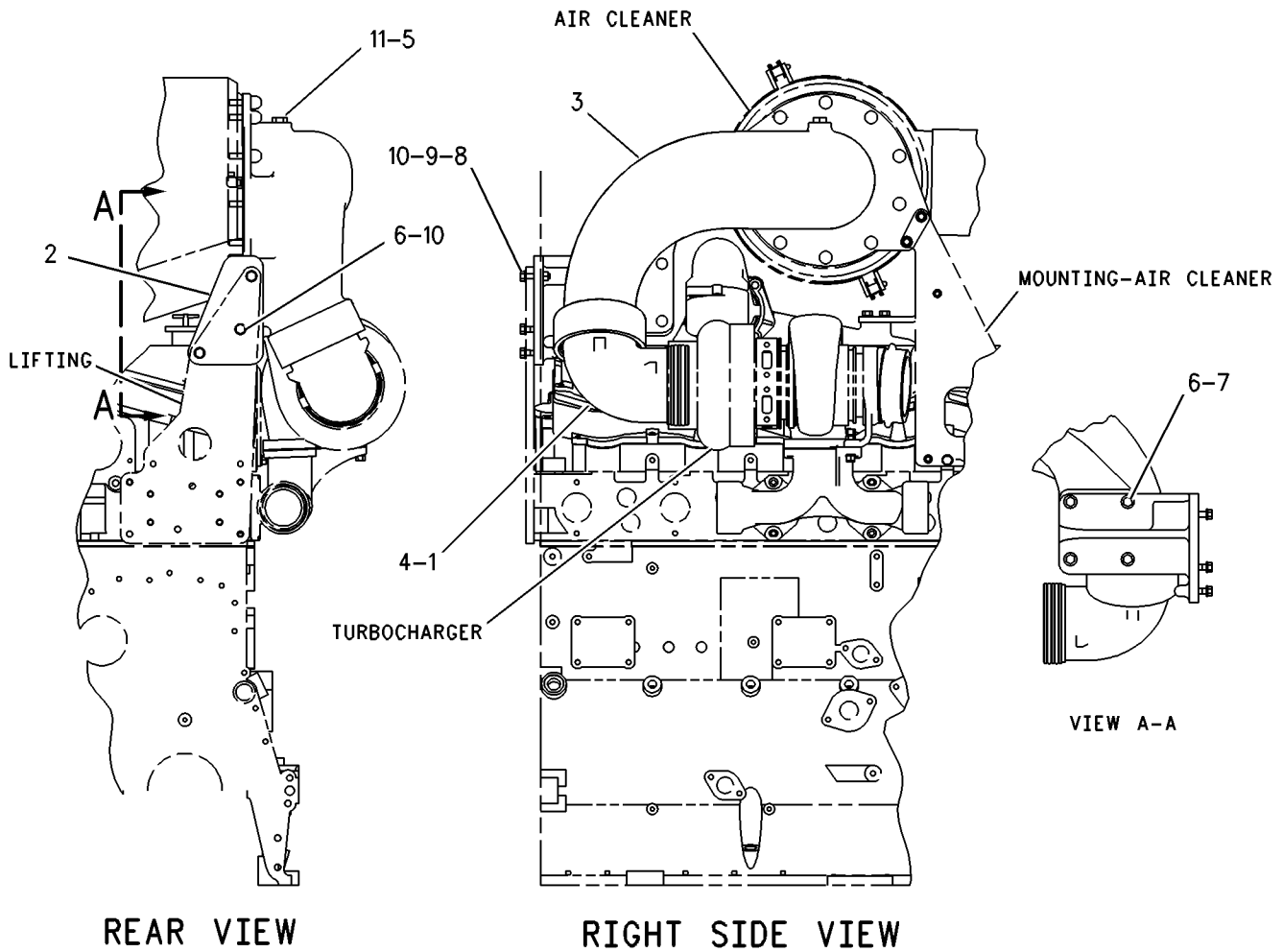
S/N: AKA1-UP

PART OF 159-5908 INSTALLATION AR-ENGINE

SMCS-1058

i01392646

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7N-6908	1	ELBOW						
	2	1	121-4862	1	SUPPORT						
	3	1	160-4713	1	PIPE AS-AIR TRANSFER						
		1	2M-1538	10	STUD-TAPERLOCK						
		1	7M-1674	1	ELEMENT-FILTER						
		1	8T-6764	1	PLUG-PIPE						
4	1	1	2M-5173	4	SEAL-O-RING (126.36MM ID)						
5	1	1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
6	1	1	4L-9337	6	BOLT (3/8-16X1.5 IN)						
7	1	1	5P-1075	4	WASHER-HARD (10.2X22.5X3MM THK)						
8	1	1	5S-7383	1	BOLT (3/8-16X1.75 IN)						
9	1	1	6V-8801	1	NUT (3/8-16 THD)						
10	1	1	8T-4896	3	WASHER-HARD (10.2X18.5X2.5MM THK)						
11	1	1	9S-4185	1	PLUG-O-RING						



GRAPHIC #1

g00649383

AIR INLET AND EXHAUST SYSTEM

160-4366 SHIELD AR-THERMO

S/N: AKA1-UP

SMCS-1067, 1073

i01488865

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	202-1345	1	MUFFLER GP						154
Y	157-2473	1	SHIELD GP-MANIFOLD						162
	200-1912	1	SHIELD-HEAT						
Y-SEPARATE ILLUSTRATION									

FUEL SYSTEM

133-9907 ADAPTER GP-PUMP DRIVE

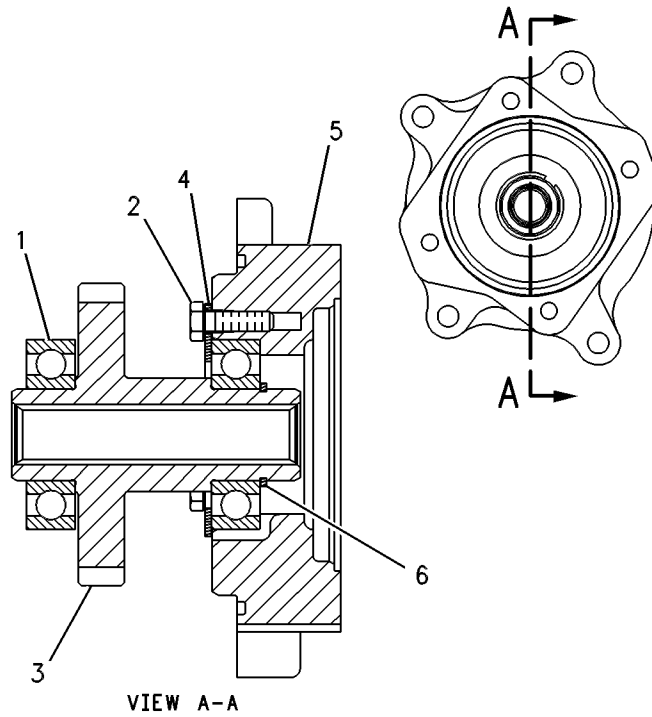
S/N: BET1-UP

PART OF 6I-3638 DRIVE GP-PUMP

SMCS-1251

i01447320

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 (1/4-20X0.875 IN)						
	3	1	6I-4575	1	GEAR (34 TEETH)						
	4	1	9X-2038	3	WASHER (7X19X2MM THK)						
	5	1	133-9906	1	ADAPTER						
	6	1	1H-8647	1	RING-SNAP						



GRAPHIC #1

g00263602

FUEL SYSTEM

161-1507 LINES GP-FUEL

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMplete

SMCS-1274

i01488577

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8P-9679	1	SPACER (10.5X25X40MM THK)						
I	2	1	163-7217	1	HOSE AS						
	3	1	163-7219	1	HOSE AS						
	4	1	163-7220	1	HOSE AS						
	5	1	198-1335	1	HOSE AS						
	6	1	199-6321	1	BRACKET AS						
	7	1	067-2551	6	CLIP (SLOT)						
	8	1	0S-0509	2	BOLT (3/8-16X0.75 IN)						
	9	1	0S-1591	2	BOLT (3/8-16X1.5 IN)						
	10	1	0S-1594	2	BOLT (3/8-16X1 IN)						
	11	1	0S-1619	1	BOLT (3/8-16X3 IN)						
	12	1	148-8353	2	ELBOW GP						
					(EACH INCLUDES)						
		1	3J-1907	1	SEAL-O-RING						
		1	6V-8397	1	SEAL-O-RING						
		1	6V-9001	1	ELBOW						
	13	1	148-8374	1	ELBOW GP						
		1	3K-0360	1	SEAL-O-RING						
		1	6V-8397	1	SEAL-O-RING						
		1	6V-8723	1	ELBOW						
	14	1	148-8378	3	ELBOW GP						
					(EACH INCLUDES)						
		1	3J-1907	1	SEAL-O-RING						
		1	6V-8397	1	SEAL-O-RING						
		1	6V-8724	1	ELBOW						
	15	1	150-3036	1	ELBOW GP						
		1	3J-1907	1	SEAL-O-RING						
		1	6V-8397	1	SEAL-O-RING						
		1	8T-1905	1	ELBOW						
	16	1	164-9869	1	CONNECTOR AS						
		1	3J-1907	1	SEAL-O-RING						
		1	6V-8397	1	SEAL-O-RING						
		1	9X-2297	1	CONNECTOR						
I	17	1	189-5762	1	HOSE AS						
	18	1	1P-7009	1	CLIP						
	19	1	2M-9780	1	SEAL-O-RING						
	20	1	5M-2894	10	WASHER-HARD (10.2X18.5X2.5MM THK)						
	21	1	6K-8178	2	CLIP						
	22	1	6K-9194	2	ELBOW						
	23	1	6V-8397	1	SEAL-O-RING						
	24	1	9S-8752	3	NUT-FULL (3/8-16 THD)						
	25	1	9X-2134	1	ELBOW						

I-SEE HOSE FABRICATION GUIDE

ELECTRICAL AND STARTING SYSTEM

3E-7577 ALTERNATOR GP-CHARGING*R

S/N: AKA1-UP

24 VOLT, 75 AMP

PART OF 160-0567 ALTERNATOR GP-CHARGING

SMCS-1405, 1410, 1425

i01052311

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9S-2011	1	SCREW-MACHINE						
	2	1	1H-3244	1	LOCKWASHER (NO.14)						
	3	1	2K-4821	1	LOCKNUT (5/8-18 THD)						
	4	1	7F-7621	1	WASHER						
	5	1	9S-2260	1	PLATE-COVER						
	6	1	9S-2255	1	COVER						
	7	1	9S-2262	1	GASKET						
	8	1	9S-2544	6	SCREW-HEX HEAD						
	9	1	9B-7233	10	LOCKWASHER (NO.8)						
	10	1	9S-2437	5	SCREW-TAPPING						
	11	1	8F-1434	5	LOCKWASHER (0.51MM THK)						
	12	1	5P-3418	1	BEARING-ROLLER						
	13	1	5P-3419	1	RACE-BEARING INNER						
	14	1	9S-2396	1	BUSHING-TERMINAL						
	15	1	9S-2393	3	DIODE-NEGATIVE						
	16	1	9N-0943	1	PLUG-BEARING WELL						
	17	1	9F-2247	1	PLUG-PIPE						
	18	1	9S-2292	1	HEAT SINK AS						
	19	1	100-6656	1	DIODE AS-ALTERNATOR						
	20	1	9S-9830	4	SCREW-FORMING						
	21	1	8C-9660	4	WASHER (0.8MM THK)						
	22	1	9S-2300	4	INSULATOR						
	23	1	9S-2301	1	INSULATION						
	24	1	9S-2248	1	COIL & SUPPORT AS						
	25	1	9N-3388	3	LOCKSCREW						
	26	1	3T-6354	1	REGULATOR AS						
	27	1	7N-9023	1	SCREW AS						
	28	1	6N-1872	2	SCREW AS						
	29	1	4B-2043	4	NUT (8-32 THD)						
	30	1	100-6657	1	PLATE-ALTERNATOR						
	31	1	9S-2302	1	ROTOR AS						
	32	1	9S-2005	1	GROMMET						
	33	1	2L-8075	3	TERMINAL (HORN)						
	34	1	100-6658	1	WIRE AS-ALTERNATOR						
	35	1	9S-2389	1	STUD AS						
	36	1	9L-6770	1	CAP						
	37	1	2P-5616	1	FRAME-DRIVE END						
	38	1	9S-2390	1	RETAINER						
	39	1	9X-2500	4	SCREW-HEX FLANGE						
	40	1	9S-2009	4	SCREW-HEAD						
	41	1	100-6532	1	COLLAR-ALTERNATOR						
	42	1	5P-7807	1	BALL BEARING						
	43	1	100-6531	1	FAN-ALTERNATOR						
	44	1	9S-3451	1	STATOR AS						
	45	1	9S-2006	1	INSULATOR						
	46	1	9S-2005	1	GROMMET						
	47	1	9S-2014	3	CLIP						
					AVAILABLE REPAIR KIT(S) :						
			9S-2013	1	KIT-RELAY TERMINAL (INCL BUSHING, O-RING & HARDWARE)						
			9S-2012	1	KIT-OUTPUT TERMINAL (INCL GASKETS, TERMINALS & HARDWARE)						
			9S-2290	3	KIT-DIODE JUNCTION STUD (INCL INSULATOR & STUD)						

ELECTRICAL AND STARTING SYSTEM

202-9780 ALTERNATOR GP-CHARGING

S/N: AKA1-UP

PART OF 143-7740 WOODCHIP AR

SMCS-1405, 1410, 1425

i01491014

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	1S-4589	1	ROD	
	2	1	4N-8218	1	V-BELT	
	3	1	8Q-1963	1	PULLEY-ALTERNATOR	
	4	1	9S-3784	1	BLOCK	
Y	5	1	183-7648	1	ALTERNATOR GP-CHARGING	198
	6	1	185-6392	1	WIRE AS	
	7	1	192-7468	1	STRAP	
	8	1	192-7469	1	ADAPTER	
	9	1	197-4980	1	BRACKET AS	
	10	1	4L-6459	1	BOLT (3/8-16X2.5 IN)	
	11	1	4M-5281	1	BOLT (1/4-20X0.750 IN)	
	12	1	5P-2566	1	BOLT (1/2-13X1.5 IN)	
	13	1	6V-8801	1	NUT (3/8-16 THD)	
	14	1	7X-0345	1	BOLT (5/8-11X1.75 IN)	
	15	1	7X-0448	2	NUT (5/8-11 THD)	
	16	1	8T-4122	1	WASHER-HARD (17X32X3.5MM THK)	
	17	1	8T-4205	1	WASHER-HARD (7.2X14.5X2MM THK)	
	18	1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)	
	19	1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	20	1	8T-8919	1	BOLT (1/2-13X1.75 IN)	

Y- SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

186-2169 CONTROL & MTG GP-ENGINE ELEK

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMplete

SMCS-1901

i01488035

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-1418	4	SPACER (7.48X12.7X28.7MM THK)						
	2	1	9M-1974	4	WASHER-HARD (8.8X16X2MM THK)						
Y	3	1	<i>115-3055</i>	1	CONTROL GP-ENGINE ELECTRONIC						212
	4	1	127-1991	4	SPACER (15MM THK)						
	5	1	185-7445	1	BRACKET AS						
	6	1	127-1570	1	STUD-BOLT						
	7	1	144-6284	1	PLATE						
	8	1	1D-4539	3	BOLT (5/16-18X2.5 IN)						
	9	1	3E-4352	5	WASHER-HARD (8.8X20.5X2.5MM THK)						
	10	1	4B-3388	3	BOLT (5/16-18X1.125 IN)						
	11	1	5S-0003	1	NUT (5/16-18 THD)						
	12	1	8T-9655	8	MOUNT (ISOLATION)						
	13	1	9N-0869	8	WASHER-HARD (8.8X25.5X2MM THK)						

Y-SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

160-7827 HEATER GP-FUEL

S/N: AKA1-UP

SMCS - 1296

i01488987

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1P-0436	2	GASKET (FUEL PRIMING PUMP)						
	2	1	3K-7928	2	ELBOW						
	3	1	5D-1026	6	CLAMP-HOSE						
	4	1	6H-0853	2	BUSHING-TERMINAL						
	5	1	7C-7368	1	HEATER AS-FUEL						
	6	1	7C-7397	1	CONNECTOR						
	7	1	8N-9707	1	REGULATOR-FUEL TEMPERATURE						
	8	1	9L-6331	1	BRACKET						
	9	1	9N-1394	1	BRACKET						
	10	1	170-4666	1	ADAPTER						
Y	11	1	<i>183-4346</i>	1	BASE GP-FUEL FILTER						172
	12	1	0S-1594	2	BOLT (3/8-16X1 IN)						
	13	1	1D-4541	1	BOLT (5/16-18X3 IN)						
	14	1	2M-9780	1	SEAL-O-RING						
	15	1	4B-9365	1	BOLT (1/4-20X3 IN)						
	16	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
	17	1	5P-0537	1	WASHER-HARD (7.2X14.5X2MM THK)						
	18	1	6B-4661	2	BUSHING-REDUCER						
	19	1	6D-1641	2	CLIP						
	20	1	6D-4636	5	CLIP						
	21	1	7C-7398	1	SEAL						
	22	1	8S-0948	2	CLIP						
	23	1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)						
	24	1	8T-9389	2	BOLT (1/2-13X2.75 IN)						
	25	1	9M-1974	1	WASHER-HARD (8.8X16X2MM THK)						
	26	1	9S-8752	2	NUT-FULL (3/8-16 THD)						
E	27	1	5P-0767		HOSE (31.8CM)						
E	28	1	5P-0767		HOSE (180.5CM)						
E	29	1	5P-0767		HOSE (194CM)						

E - ORDER BY THE CENTIMETER
Y - SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

135-5549 LAMP GP-FLOOD

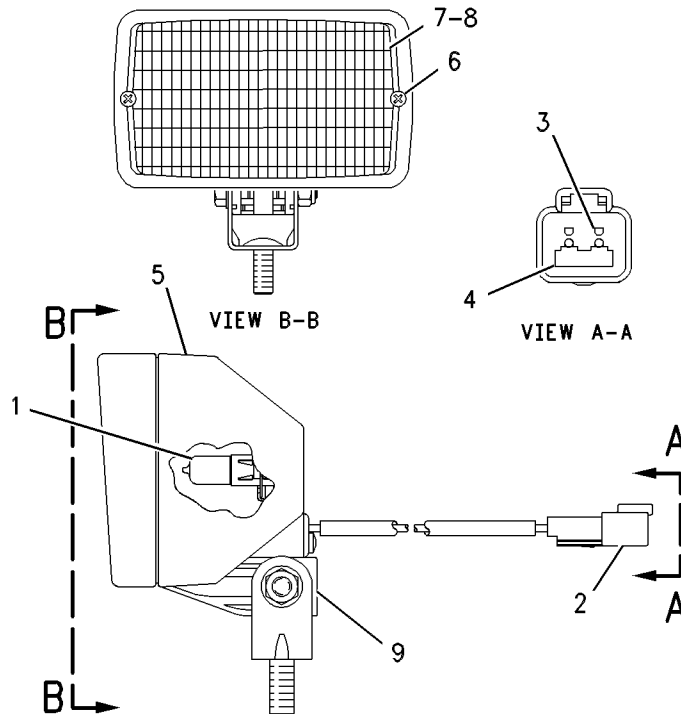
S/N: AKA1-UP

PART OF 186-3718 LIGHTING GP-FLOOD

SMCS-1434

i01110336

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 VOLTS) (65 WATTS)						
	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						
	5	1	144-5744	1	BODY AS						
	6	1	144-5282	2	SCREW						
	7	1	144-5283	1	SEAL						
	8	1	144-5284	1	LENS AS						
	9	1	164-7556	1	CLIP						



GRAPHIC #1

g00533250

ELECTRICAL AND STARTING SYSTEM

160-2710 LIGHTING AR-RIPPER

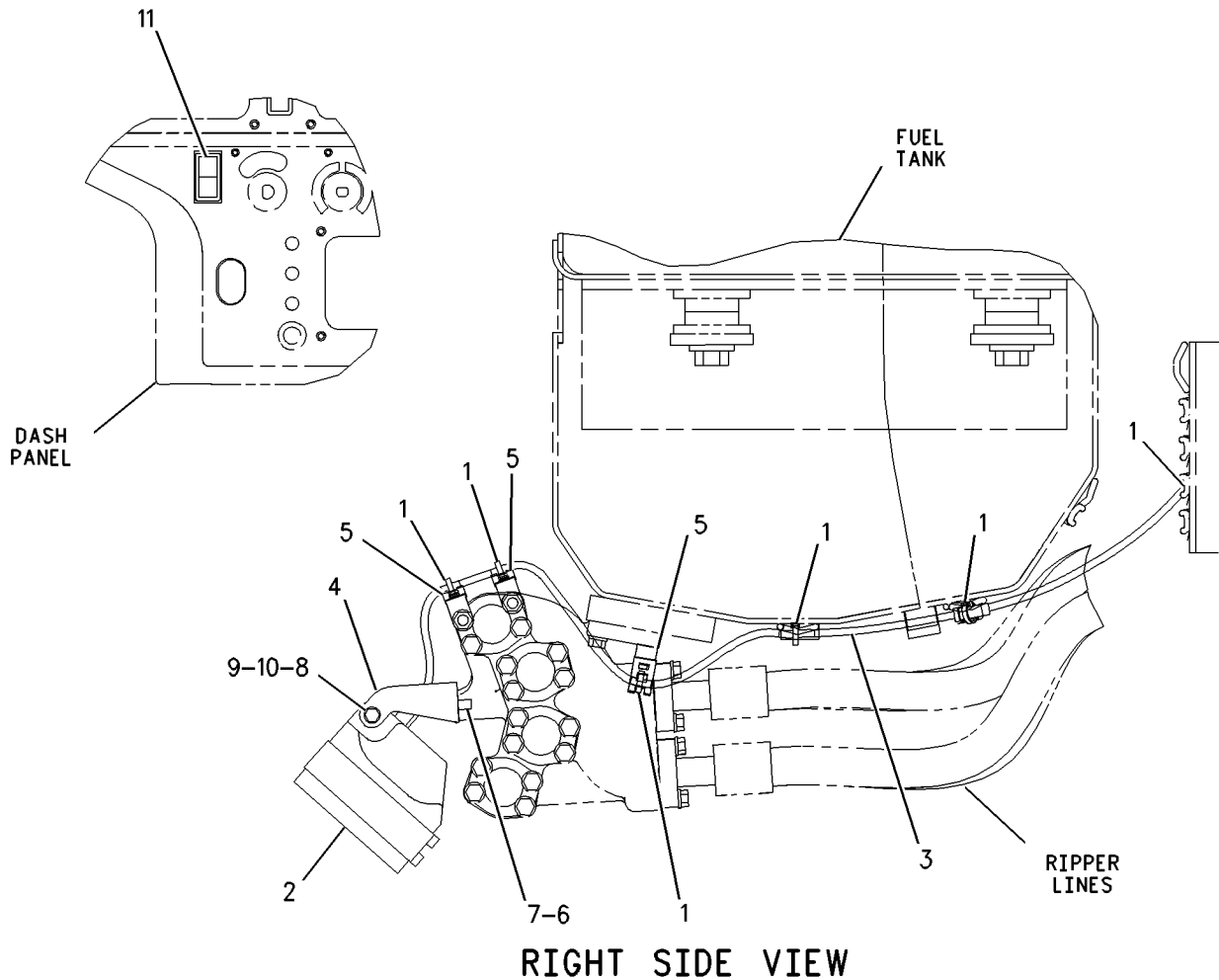
S/N: AKA1-UP

SMCS-1429

i01488837

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-6772	7	STRAP - CABLE						
Y	2	1	147-0319	1	LAMP GP-FLOOD (24 VOLT) (SUSPENDED)						231
	3	1	160-8769	1	HARNESS AS						
	4	1	164-8101	1	BRACKET						
	5	1	4P-8134	3	CLIP						
	6	1	5M-3062	1	BOLT (3/8-16X0.75 IN)						
	7	1	5P-1075	1	WASHER-HARD (10.2X22.5X3MM THK)						
	8	1	5P-2955	1	BOLT (5/16-18X2.50 IN)						
	9	1	6V-8189	1	NUT (5/16-18 THD)						
	10	1	8T-4224	2	WASHER-HARD (8.8X16X2MM THK)						
	11	1	3E-8857	1	SWITCH AS (AIR CONDITIONING)						
		1	3E-8790	1	ACTUATOR-ROCKER						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00753172

ELECTRICAL AND STARTING SYSTEM

102-4395 LIGHTING GP-FRONT

S/N: AKA1-UP

2 LAMP

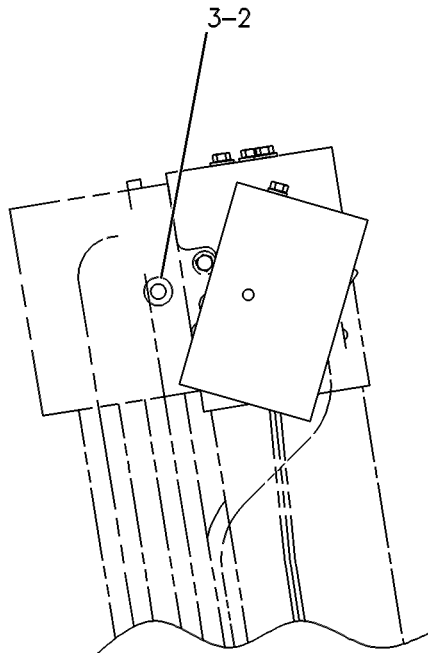
FOR USE WITH BULLDOZER LIFT CYLINDERS

SMCS-1429

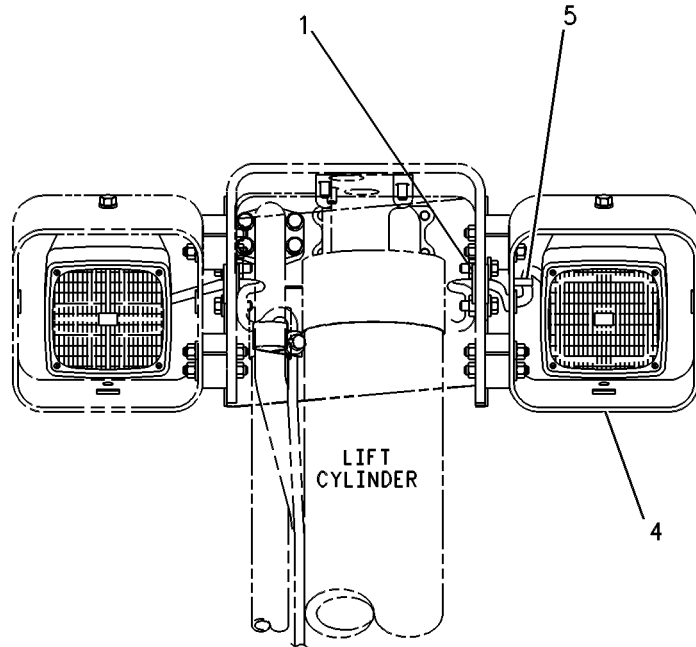
i01441090

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-8522	2	GROMMET (FOR USE ON D10R, D11R, & D11R CARRY DOZER)						
	2	1	9D-3768	2	GROMMET (14.29MM ID) (14.29MM ID) (FOR USE ON D9R)						
	3	1	5P-8522	2	GROMMET (9.5MM ID) (FOR USE ON D8R)						
YC	4	1	125-2001	2	LIGHTING GP-FLOOD						246
	5	1	9X-6772	2	STRAP-CABLE						

C- CHANGE FROM PREVIOUS TYPE
Y- SEPARATE ILLUSTRATION



RIGHT SIDE VIEW



FRONT VIEW

GRAPHIC #1

g00453511

ELECTRICAL AND STARTING SYSTEM

160-2443 SENSOR GP-POSITION

S/N: AKA1-UP

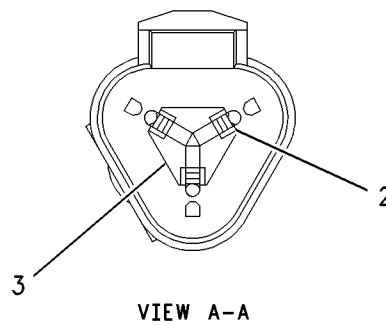
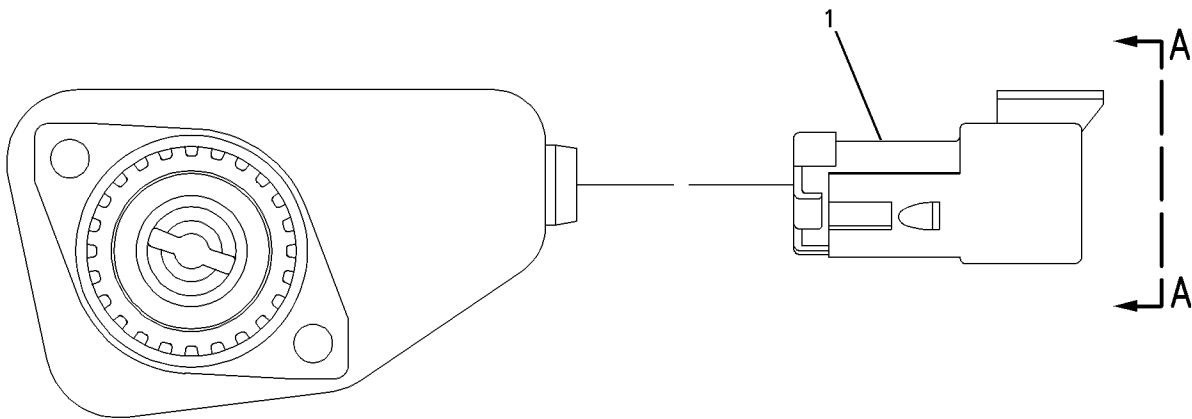
ROTARY

PART OF 158-8079 PEDAL GP-GOVERNOR & BRAKE

SMCS-1408

i01431988

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 (3 PIN)						



GRAPHIC #1

g00637818

ELECTRICAL AND STARTING SYSTEM

142-8394 SENSOR GP-SPEED

S/N: BET1-UP

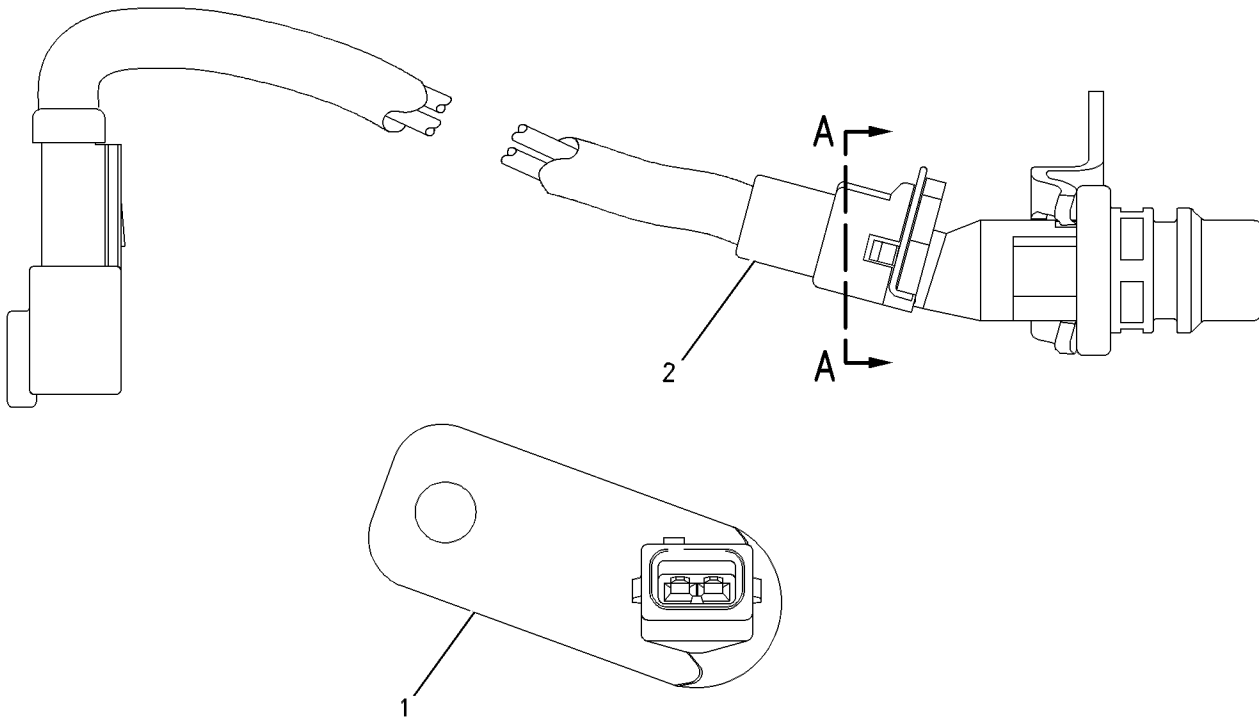
ENGINE SPEED-TIMING

PART OF 161-1509, 161-8414 HOUSING GP-FRONT

SMCS-1408

i01435838

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	133-0261	1	BRACKET						
	2	1	142-8396	1	HARNESS AS						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS AND WEDGE)						
		1	111-2416	1	PLUG AS-CONNECTOR						
		1	126-5011	1	SEAL-CONNECTOR						



VIEW A-A

GRAPHIC #1

g00310568

ELECTRICAL AND STARTING SYSTEM

124-9780 STARTING MOTOR GP-PRELUB SYS

S/N: AKA1-UP

PART OF 161-8142 PRELUBRICATION AR-ENGINE

SMCS-1453

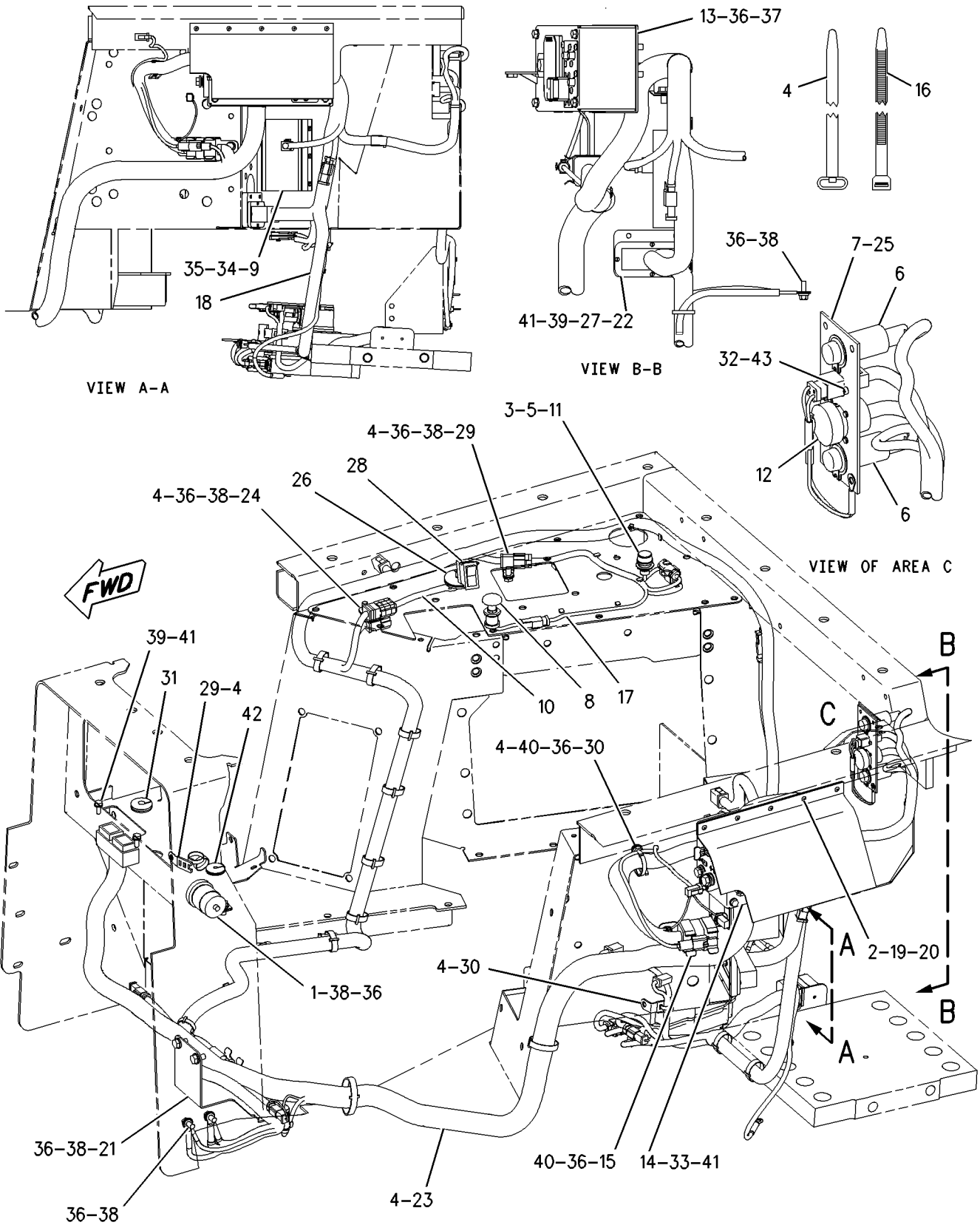
i01496644

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	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) (#8)	
	6	1	4L-7124	4	BOLT (1/4-20X1.25 IN)	
	7	1	117-0610	1	KIT-BEARING	
	8	1	3T-9525	1	PLATE AS-BRUSH	
		1	5P-6298	12	SCREW-MACHINE (10-32X0.5 IN)	
		1	6T-0363	6	HOLDER AS-BRUSH	
					(EACH INCLUDES)	
		1	3T-9494	1	SPRING-BRUSH	
		1	6T-0371	1	INSULATOR	
		1	7F-3525	6	WASHER-BUSHING	
		1	9F-5599	12	LOCKWASHER	
	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	111-9862	1	COVER-STARTING MOTOR	
	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	111-9864	1	GASKET	
	43	1	7M-0325	1	INSULATOR-COIL	
	44	1	3T-9524	6	BRUSH AS	
	45	1	3N-3763	1	KIT-TERMINAL	
	46	1	125-6537	1	INSULATOR	
	47	1	3R-8801	1	CLAMP-BOOT	
	48	1	8F-1434	2	LOCKWASHER	
	49	1	6V-8188	6	NUT (1/2-13 THD)	

ELECTRICAL AND STARTING SYSTEM

159-9264 WIRING GP-PLATFORM (contd.)

i01486743



GRAPHIC #1

g00765441

POWER TRAIN

6Y-3588 BRAKE & PLANETARY GP*R

S/N: AKA1-UP

PART OF 157-5073 BRAKE & DRIVE GP

SMCS-4050, 4132

i00570481

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6Y-3981	1	HOUSING						
	2	1	3T-3601	1	RING-SPACER						
	3	1	6Y-2704	1	SPRING-DISC						
	4	1	6P-5317	1	RING-SEAL						
	5	1	6Y-4003	1	RING-SEAL						
	6	1	7T-9837	1	PLATE						
	7	1	6Y-3980	1	CARRIER-PLANETARY						
	8	1	1C-0569	6	BOLT (5/16-18X.5IN)						
	9	1	0S-1585	12	BOLT (1/2-13X1.50IN)						
	10	1	5P-8245	18	WASHER (3MM THK)						
	11	1	6Y-3986	1	PISTON						
	12	1	9W-7926	2	CUP-ROLLER BEARING						
	13	1	2B-0947	6	BOLT (1/2-13X2.25IN)						
	14	1	7T-6994	3	PLATE-CLUTCH & BRAKE						
	15	1	6Y-9373	4	DISC-FRICTION						
	16	1	8E-4051	1	HUB-BRAKE						
	17	1	8E-8307	6	DISC-THRUST						
	18	1	3S-2708	3	PIN-SPRING						
	19	1	7T-8136	3	SHAFT-PLANETARY						
	20	1	6T-7863	1	SLEEVE						
	21	1	9W-3940	1	GEAR AS (30 TEETH)						
	22	1	9W-6577	1	SPOOL						
	23	1	6J-7836	1	RING-SNAP						
	24	1	6D-9953	1	PIN-SPRING						
	25	1	5M-0578	6	BEARING						
	26	1	9W-7481	3	GEAR (23 TEETH)						
	27	1	7T-1885	1	RING						
	28	1	8E-4052	1	GEAR-RING (75 TEETH)						
	29	1	3W-1852	1	RING-RETAINER						
	30	1	9S-8005	2	PLUG-O-RING (3/4-16 THD)						
	31	1	3K-0360	2	SEAL-O-RING (16.36MM ID)						
	32	1	3T-5807	1	SLINGER						
B		1	1U-8846		GASKET-LIQUID						
	33	1	9W-7925	2	CONE-ROLLER BEARING						
	34	1	8M-4438	1	SEAL-O-RING (17.12M ID)						
	35	1	5M-2894	6	WASHER (2.5MM THK)						
	36	1	1A-2029	6	BOLT (3/8-16X1.125IN)						
	37	1	6Y-4039	1	RETAINER AS						
	38	1	8S-0527	1	PLUG-CUP						

B-USE AS REQUIRED

POWER TRAIN

186-2379 FILTER GP-OIL

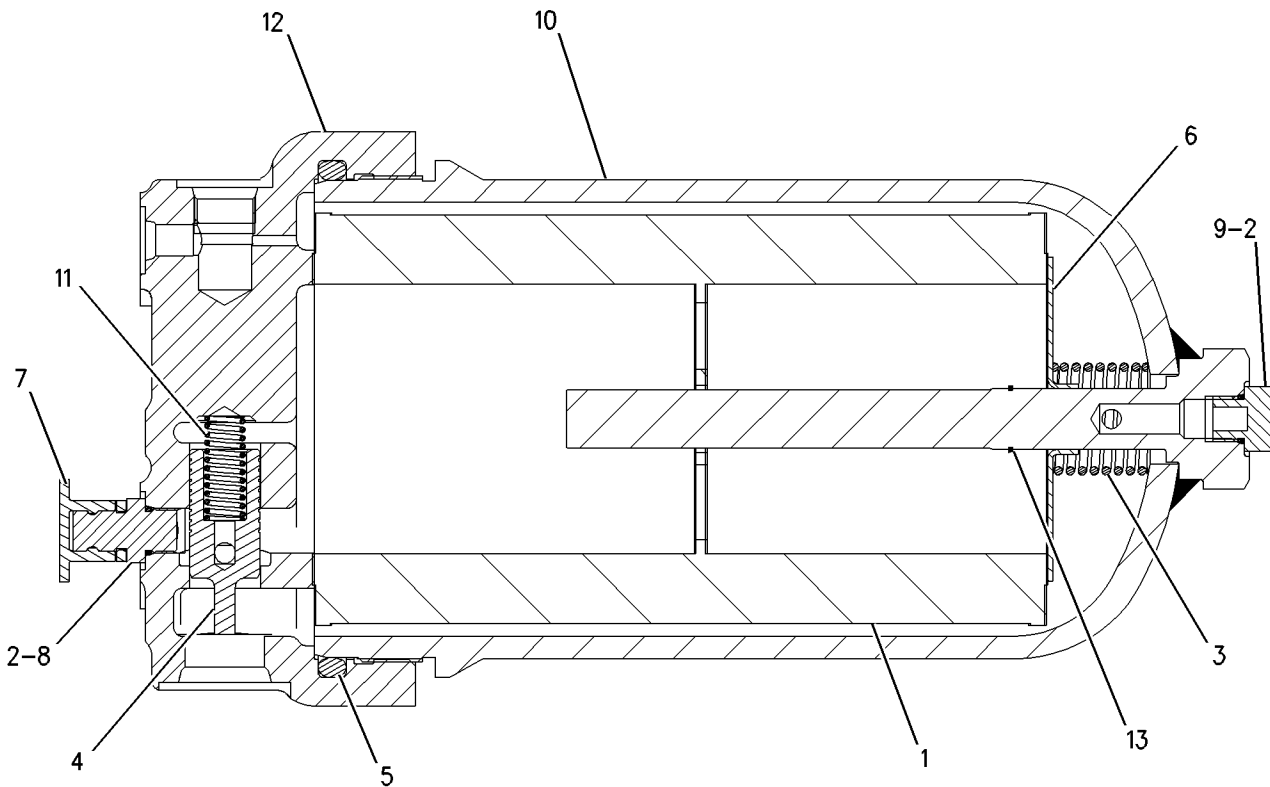
S/N: AKA1-UP

PART OF 156-2542 LINES GP-POWER TRAIN OIL

SMCS-3004

i01486844

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1R-0778	1	FILTER ELEMENT AS-OIL (HYDRAULIC)						
	2	1	3J-1907	2	SEAL-O-RING						
	3	1	3S-8652	1	SPRING						
	4	1	3T-0688	1	SPOOL						
	5	1	5P-3620	1	SEAL-O-RING						
	6	1	6P-5332	1	RETAINER						
	7	1	6V-0852	1	CAP-DUST						
	8	1	6V-3965	1	FITTING AS (QUICK DISCONNECT)						
	9	1	9S-4191	1	PLUG-STRAIGHT THREAD						
	10	1	9G-8629	1	HOUSING AS-OIL FILTER						
	11	1	9M-1986	1	SPRING						
	12	1	155-5745	1	BASE-FILTER						
	13	1	2J-6356	1	RING-RETAINING						



GRAPHIC #1

g00679654

POWER TRAIN

156-9780 GEAR GP-BEVEL & TRANSFER

S/N: 6GY1-UP

PART OF 164-0234 TRANSMISSION AR

SMCS-3011

i01431143

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	190-2277	1	CASE AS						
		1	2D-6642	1	BALL						
	2	1	160-3588	1	GEAR (34 TEETH)						
B	3	1	9P-1922	1	SHIM PACK (INCLUDES 14 SHIMS)						
	4	1	9W-2992	1	CAGE-BEARING						
	5	1	3T-6742	1	RETAINER						
	6	1	0S-1569	1	BOLT (5/8-11X4 IN)						
	7	2	7D-1649	2	WASHER-HARD (13.5X32X5MM THK)						
	8	1	7H-7628	1	BEARING-RACE & ROLLER						
	9	1	0S-1591	4	BOLT (3/8-16X1.5 IN)						
	10	1	5M-2894	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
	11	1	6I-8507	1	PLATE-RETAINER						
	12	1	6I-8511	1	CAGE-BEARING						
B	13	1	9P-1921	1	SHIM PACK (INCLUDES 14 SHIMS)						
	14	1	8C-3075	1	SEAL-LIP						
	15	1	160-3585	1	GEAR-TRANSFER (43 TEETH)						
	16	1	8D-1817	2	CUP-ROLLER BEARING						
	17	1	8D-1819	2	CONE-ROLLER BEARING						
	18	1	6S-2829	2	CONE-ROLLER BEARING						
	19	1	6S-2828	2	CUP-ROLLER BEARING						
	20	1	155-4325	1	PINION-BEVEL (50 TEETH)						
	21	1,2	7B-3235	24	BOLT (1/2-13X1.375 IN)						
	22	1,2	5P-8245	24	WASHER-HARD (13.5X25.5X3MM THK)						
	23	1	0L-1169	12	BOLT (5/8-11X3.75 IN)						
	24	1,2	5P-8247	16	WASHER-HARD (17X32X3.5MM THK)						
	25	2	9W-1570	1	CAGE AS-BEARING						
		2	9W-1569	1	PLUG-ORIFICE						
		2	4B-9880	1	BALL						
B	26	2	9P-1478	2	SHIM PACK (INCLUDES 14 SHIMS)						
	27	2	1L-6957	1	LOCKNUT-BEARING						
	28	2	6T-0364	1	RING-RETAINING						
	29	2	9W-8612	1	SPACER-CONE						
	30	2	1P-3934	2	CUP-ROLLER BEARING						
	31	2	1P-3935	2	CONE-ROLLER BEARING						
	32	2	9W-9982	1	SHAFT-BEVEL GEAR (50 TEETH)						
	33	2	1A-0075	12	BOLT (3/4-16X1.75 IN)						
	34	2	155-4327	1	GEAR-BEVEL (31 TEETH)						
	35	2	9G-0832	1	DOWEL						
	36	2	7T-9946	1	CAGE-BEARING						
	37	2	6J-3473	1	RING-SNAP						
	38	2	5P-7592	1	RACE-ROLLER BEARING						
	39	2	4H-0019	1	RACE & ROLLER AS						
	40	2	9P-7072	1	WASHER-TONGUE						
	41	2	6V-2404	1	LOCKWASHER-BEARING						
	42	2	6T-3853	2	SLEEVE						
	43	2	1A-5822	2	BOLT (1/2-13X2.75 IN)						
	44	2	6T-3852	2	ROLLER						
	45	2	7T-1475	1	BRACKET-ROLLER						
	46	2	7T-1474	1	BRACKET-ROLLER						
	47	2	1D-4601	4	BOLT (5/8-11X8.5 IN)						
B- USE AS REQUIRED											

POWER TRAIN

175-4972 MANIFOLD & VALVE GP

S/N: AKA1-UP

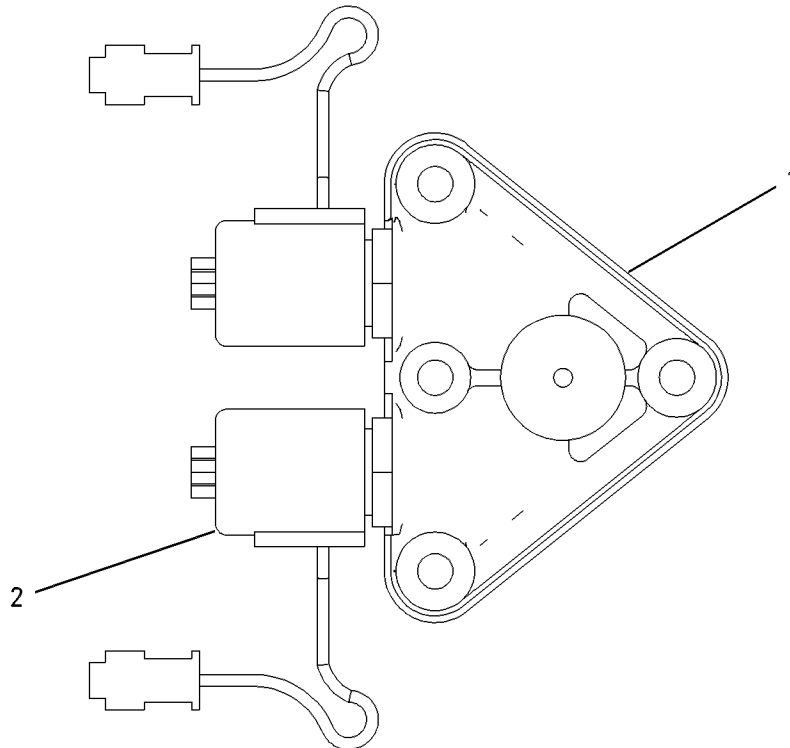
PART OF 160-2456 VALVE GP-CONTROL

SMCS-4320

i01431395

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	132-9455	1	MANIFOLD						
Y	2	1	172-2392	2	VALVE GP-SOLENOID						370

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00653425

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POWER TRAIN

157-0820 POWER TRAIN AR

S/N: AKA1-UP

PART OF 157-0818 GENERAL AR

SMCS-3000

i01429957

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	7T-8148	1	AXLE GP-POWER TRAIN						293
Y	157-5073	1	BRAKE & DRIVE GP						298
Y	159-2542	1	BRAKE & DRIVE GP						299
Y	158-8077	1	CONTROL & MTG GP-ELECTRONIC						208
Y	156-2542	1	LINES GP-POWER TRAIN OIL						324
Y	109-0136	1	MOUNTING GP-FINAL DRIVE						331
Y	6T-0009	1	MOUNTING GP-TRANSMISSION						332
Y	172-5262	1	CONTROL & MTG GP-PEDAL						305
Y	160-9933	1	SHAFT GP-MAIN DRIVE						345
Y	161-3306	1	TORQUE CONVERTER GP						350
Y	164-0234	1	TRANSMISSION AR						352
Y	158-8076	1	VALVE & MTG GP-POWER TRAIN						354
	184-0870	1	PLUG AS-WIRING (POWER TRAIN)						
	102-8805	1	KIT-RECEPTACLE (6 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	3E-3383	1	WEDGE-RECEPTACLE LOCK						
BD	5P-5677		WIRE (18 GA)						
	8T-8737	2	PLUG-SEAL (3.07MM ID)						
E	119-3662		TUBE-SHRINKABLE (7CM)						
	9X-3401	4	PIN-CONNECTOR (FOR 16-18 GA WIRE)						
			-OR-						
	126-1767	4	CONNECTOR-PIN (FOR 14 GA WIRE)						

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

POWER TRAIN

161-3306 TORQUE CONVERTER GP

S/N: AKA1-UP

WITH HOUSING

PART OF 157-0820 POWER TRAIN AR

SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130,
3131, 3134, 3135, 3136

i01431713

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1S-9799	1	SEAL-O-RING (36.09MM ID)						
	2	1	1T-1402	1	RETAINER-SHAFT						
	3	1	2D-1523	1	RING-RETAINING						
	4	1	2S-2251	1	SEAL-O-RING (43.82MM ID)						
	5	1	4B-7739	1	PLUG-DRAIN						
	6	1	7G-5320	1	ELBOW						
	7	1	186-3075	2	SEAL-O-RING						
	8	1	8H-9818	1	GASKET						
	9	1	8H-9819	1	ADAPTER-PLUG						
	10	1	8M-4433	2	SEAL-O-RING (29.74MM ID)						
	11	1	8S-9008	1	SLEEVE						
	12	1	9H-0846	1	SEAL-O-RING (494.66MM ID)						
	13	1	9H-8712	1	BEARING AS						
	14	1	9M-1976	1	RING-RETAINING						
	15	1	9P-3709	1	GEAR-SUN (35 TEETH)						
	16	1	152-7162	1	YOKE						
	17	1	155-2725	1	HOUSING AS-TORQUE CONVERTER						
		1	4K-8603	2	PLUG-CUP (25.73MM ID)						
	18	1	155-5161	1	SEAL-OIL						
	19	1	156-4575	1	SEAL-LIP TYPE						
Y	20	1	161-3305	1	TORQUE CONVERTER GP						348
	21	1	0S-1588	8	BOLT (3/8-16X1.25 IN)						
	22	1	2B-0858	1	PLUG-PIPE						
	23	1	4L-6454	4	BOLT (3/8-16X1 IN)						
	24	1	5M-2894	8	WASHER-HARD (10.2X18.5X2.5MM THK)						
	25	1	7X-3188	1	BOLT (1/2-20 THD)						
	26	1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
	27	1	8T-5360	10	WASHER (12X22.5X2.5MM THK)						
	28	1	8T-9382	10	BOLT (7/16-14X1.25 IN)						

Y-SEPARATE ILLUSTRATION

POWER TRAIN

160-8408 VALVE GP-MODULATING

S/N: 6GY1-UP

24 VOLT DC

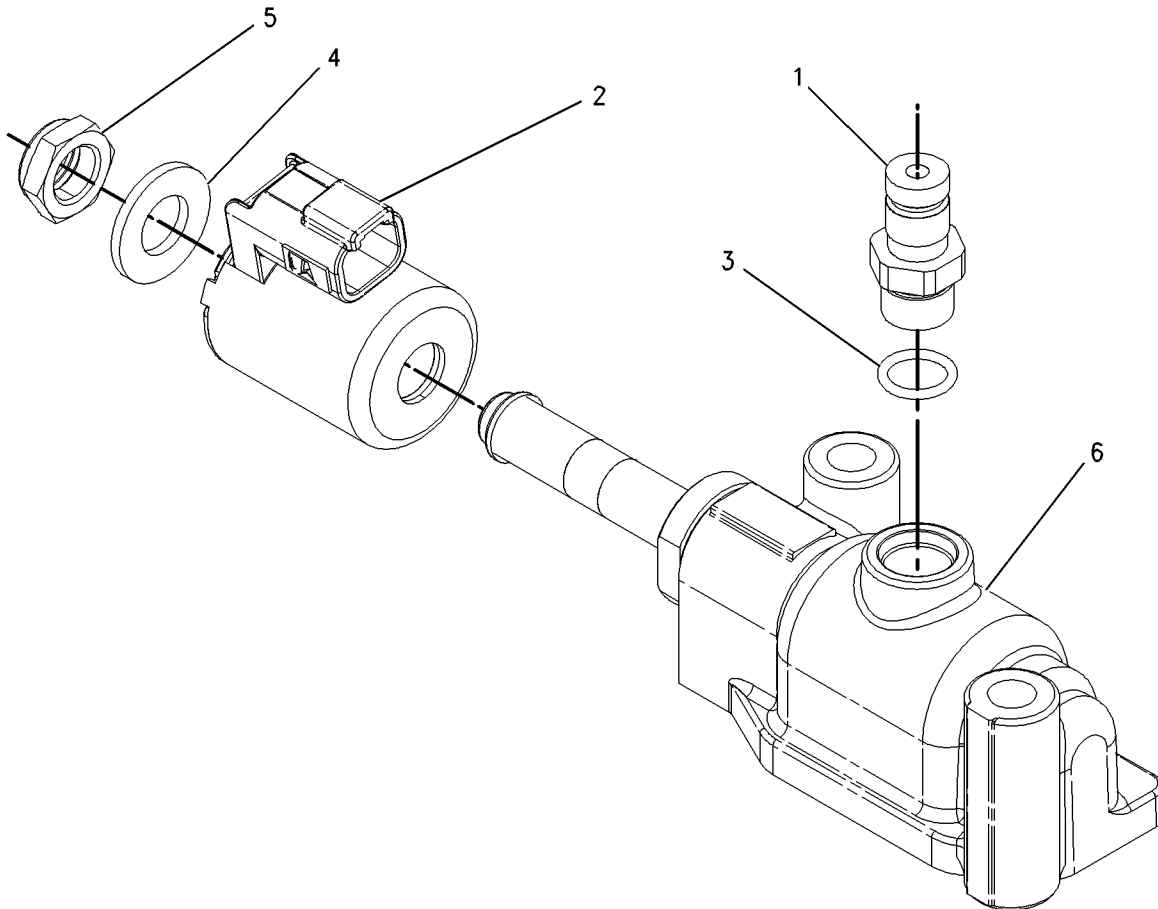
PART OF 163-5641 CONTROL GP-TRANSMISSION HYD

SMCS-3139

i01430941

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

172-2392 VALVE GP-SOLENOID

S/N: AKA1-UP

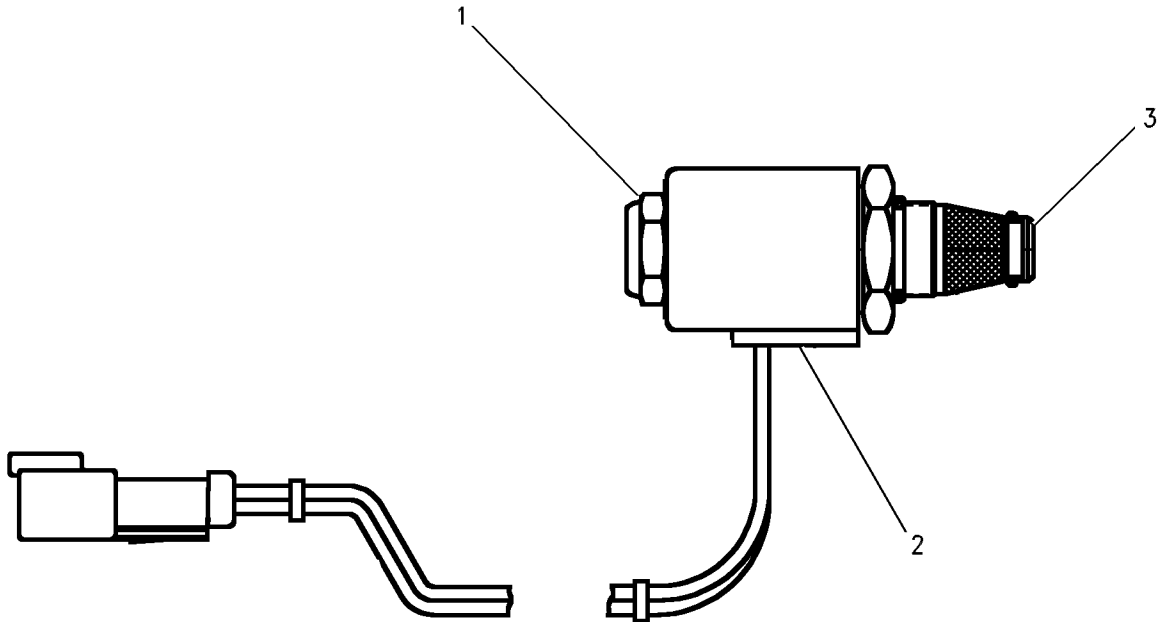
24 VOLT

PART OF 175-4972 MANIFOLD & VALVE GP

SMCS-4282, 5479

i01431415

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	156-5970	1	NUT (1/2-20-2B THD)						
	2	1	133-2249	1	COIL AS						
		1	1S-9593	2	STRAP-CABLE						
		1	8T-8729	2	PIN-CONNECTOR						
		1	8T-8737	2	PLUG-SEAL (3.07MM ID)						
		1	102-8804	1	KIT-RECEPTACLE (4 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	3	1	172-2391	1	SPOOL AS						
		1	156-5970	1	NUT (1/2-20-2B THD)						
					AVAILABLE REPAIR KIT(S) :						
			189-1839	1	KIT-SEAL (INCLUDES SEALS & RING-BACK UP)						



GRAPHIC #1

g00653409

FRAME AND BODY

187-0428 CASE & FRAME GP

S/N: AKA1-UP

PART OF 143-7767 GUARD AR-BOTTOM

SMCS-7051

i01488582

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1		1	106-8186	1	VALVE-DRAIN						
2		1	106-8187	1	PLUG						
3		1	9S-4191	2	PLUG-STRAIGHT THREAD						
4		1	9S-4181	1	PLUG-STRAIGHT THREAD						
		1	7M-8485	1	SEAL-O-RING						
5		1	3J-1907	2	SEAL-O-RING						
6		1	3T-4238	2	BEARING-SLEEVE						
7		1	6F-0711	1	SEAL-O-RING						
8		1	7T-5010	2	BEARING-SLEEVE						
9		1	9P-1780	2	BEARING-SLEEVE						
10		1	186-6439	1	CASE & FRAME AS						
11		2	7T-1099	6	LINK						
12		2	112-1345	1	PLATE AS						
13		2	112-1494	1	PLATE AS						
					(EACH PLATE AS INCLUDES)						
		2	7T-1099	1	LINK						
14		3	7G-3945	1	PLATE						
15		3	8V-9885	2	BLOCK						
16		3	9W-3158	1	BRACKET AS						
17		3	162-8629	1	BRACKET AS						
		3	1F-0748	3	NUT-WELD (1/2-13 THD)						
18		4	0S-1588	1	BOLT (3/8-16X1.25 IN)						
19		4	1K-6872	1	LOCKNUT (1/2-13 THD)						
20		4	4D-7529	2	BOSS (3/8-16 THD)						
21		4	5D-0353	4	BOLT-LOCKING (3/8-16X1 IN)						
22		4	5H-9394	1	BOSS						
23		4	5P-1075	3	WASHER-HARD (10.2X22.5X3MM THK)						
24		4	5R-0939	2	CLIP (TAB)						
25		4	5R-0940	2	CLIP (SLOT)						
26		4	6K-7917	1	BOLT-LOCKING (1/2-13X1 IN)						
27		4	7B-3235	1	BOLT (1/2-13X1.375 IN)						
28		3	7G-8947	1	PLATE						
29		4	7S-3912	1	CLIP (TAB)						
30		4	7S-3913	1	CLIP (SLOT)						
31		4	7S-3916	2	CLIP (TAB)						
32		4	7S-3919	2	CLIP (SLOT)						
34		3	8F-9836	3	LUG (3/8-16 THD)						
35		3	8J-1196	1	LUG (3/8-16 THD)						
36		3,4	8J-4916	5	BOSS (3/8-16 THD)						
37		4	8M-7145	2	WASHER (10.2X28.5X5MM THK)						
38		4	8T-4223	3	WASHER-HARD (13.5X25.5X3MM THK)						
39		3	9K-3050	2	STUD-WELD						
40		4	9X-2029	2	STUD-WELD						
41		3	110-3292	1	TRUNNION						

FRAME AND BODY

112-8117 CONTROL AS-REMOTE

S/N: AKA1-UP

PART OF 143-7767 GUARD AR-BOTTOM

SMCS-1408

i01255635

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	112-8115	1	BOX AS						
		1	7T-1099	1	LINK						
		1	9D-6621	4	NUT-WELD (10-24 THD)						
	2	1	112-8118	1	FILM						
	3	1	7N-8008	2	SWITCH GP-TOGGLE (2 POLE) (GUARD UP\DOWN)						
					(EACH INCLUDES)						
		1	3L-8187	6	LOCKWASHER (NO.6-INT)						
		1	6T-3631	2	NUT-HEX (15/32-32 THD)						
		1	6T-3632	1	LOCKWASHER (12MM ID)						
		1	6T-3633	1	LOCKRING (12.3MM ID)						
		1	6V-8374	6	SCREW-MACHINE (6-32X.25 IN)						
	4	1	6T-6970	1	SWITCH AS-TOGGLE (ON/OFF)						
		1	3L-8187	3	LOCKWASHER (NO.6-INT)						
		1	6T-3631	2	NUT-HEX (15/32-32 THD)						
		1	6T-3632	1	LOCKWASHER (12MM ID)						
		1	6T-3633	1	LOCKRING (12.3MM ID)						
		1	6V-8374	3	SCREW-MACHINE (6-32X.25 IN)						
	5	1	112-8116	1	COVER						
	6	1	2N-3479	4	SCREW (10-24X.5IN)						
	7	1	9F-8125	4	LOCKWASHER (#10-EXT.)						
	8	1	2S-9727	1	GROMMET						
	9	1	112-8111	1	HARNES AS						
	10	1	112-8124	1	WIRE AS						
	11	1	112-9416	1	WIRE AS						
	12	1	7K-1181	2	STRAP-CABLE (4IN DIA)						
	13	1	113-5819	1	PLATE-WARNING						
	14	1	2K-3219	4	SCREW-DRIVE						

FRAME AND BODY

165-2443 DOOR GP-RH

S/N: AKA1-UP

PART OF 160-2392 ENCLOSURE GP-ENGINE

SMCS-7263

i01393807

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3V-9399	1	ROD AS						
	2	1	4B-4278	1	WASHER (10.2X20.5X1.6MM THK)						
	3	1	7T-7208	1	DOOR AS						
		1	1F-0750	6	NUT-WELD (3/8-16 THD)						
	4	1	8T-9496	2	LOCKNUT (9/16-18 THD)						
	5	1	8Y-4000	1	LATCH AS (T-BAR/COMPARTMENT)						
	5A	1	6H-3956	1	PIN						
	5B	1	7X-0766	1	SPRING-LATCH						
	5C	1	8Y-3966	1	WASHER (14.7X35X1.57MM THK)						
	5D	1	8Y-3998	1	HANDLE-LATCH						
	5E	1	8Y-3999	1	BRACKET-MOUNTING						
	5F	1	8Y-8306	1	SHAFT-LATCH						
	6	1	9W-8084	1	PLATE						
	7	1	2K-4973	2	LOCKNUT (3/8-16 THD)						
	8	1	3B-4605	1	COTTER						
	9	1	4H-2558	1	GROMMET (15.88MM ID)						
	10	1	4L-6454	2	BOLT (3/8-16X1 IN)						
	11	1	4M-7470	1	GROMMET						
	12	1	6V-1193	6	SCREW-HEX SOCKET (3/8-16X.625 IN)						
	13	1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)						
	14	1	9W-8940	1	PLATE						

FRAME AND BODY

160-2394 ENCLOSURE GP-ENGINE

S/N: AKA1-UP

SOUND SUPPRESSION

PART OF 157-8035 SUPPRESSION AR-SOUND

SMCS-7263

i01461127

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	5P-8502	2	PADLOCK GP						
					(EACH INCLUDES)						
A		2	5P-8500	1	KEY						
A		2	8Y-6364	1	SLEEVE						
	2	2	6P-2216	46	CAP-PUSH ON						
	3	2	6T-9509	2	HINGE AS-RH						
	4	2	6T-9510	2	HINGE AS-LH						
	5	2	7T-7213	2	PLATE						
	6	1	7T-7214	2	PLATE						
	7	2	9W-5290	2	PLATE AS						
	8	1	9W-9044	2	PLATE						
	9	2	108-1732	1	LINER-LH						
	10	2	108-1735	3	LINER						
	11	2	108-1736	1	LINER						
	12	2	108-1739	1	LINER						
	13	2	108-1741	1	LINER						
	14	2	108-1742	1	LINER						
	15	2	114-0399	1	PLATE AS-RH						
	16	2	114-0401	1	PLATE AS-LH						
	17	2	115-1961	1	LINER-RH						
	18	2	127-1054	1	PLATE AS-RH						
		2	6B-4594	7	RIVET						
	19	2	127-1056	1	PLATE AS-LH						
		2	6B-4594	7	RIVET						
	20	2	127-1059	1	ANGLE AS-RH						
		2	1F-0750	2	NUT-WELD (3/8-16 THD)						
	21	2	127-2269	1	ANGLE AS-LH						
		2	1F-0750	2	NUT-WELD (3/8-16 THD)						
	22	2	199-3213	1	LINER						
	23	1	131-0135	1	LINER						
	24	2	160-2383	1	PLATE AS-RH						
		2	1F-0750	3	NUT-WELD (3/8-16 THD)						
	25	2	160-2385	1	PLATE AS-LH						
		2	1F-0750	3	NUT-WELD (3/8-16 THD)						
	26	1	160-2395	1	HOOD AS						
		1	1F-0748	7	NUT-WELD (1/2-13 THD)						
		1	1F-0750	18	NUT-WELD (3/8-16 THD)						
		1	3J-5169	1	NUT (5/8-11 THD)						
	27	2	160-2411	1	PLATE AS-RH						
		2	1F-0750	8	NUT-WELD (3/8-16 THD)						
	28	2	160-2413	1	PLATE AS-LH						
		2	1F-0750	8	NUT-WELD (3/8-16 THD)						
	29	2	164-5966	1	PLATE AS						
		2	1F-0750	6	NUT-WELD (3/8-16 THD)						
	30	2	164-5968	1	PLATE AS						
Y	31	2	165-2449	1	DOOR GP-RH						402
Y	32	2	165-2451	1	DOOR GP-LH						398
	33	2	186-1456	1	SHIELD AS						
	34	1	1H-3337	2	BOLT (1/4-20X0.875 IN)						
	35	1	2D-6235	2	LOCKNUT						
	36	1,2	5M-3062	32	BOLT (3/8-16X0.75 IN)						
	37	1,2	5P-1075	28	WASHER-HARD (10.2X22.5X3MM THK)						
	38	1	5S-7382	4	BOLT (3/8-16X1.375 IN)						
	39	2	7T-8201	2	BLOCK						
	40	1	8T-2561	4	WASHER-HARD (10.5X28.5X5MM THK)						

FRAME AND BODY

118-7442 GRILL GP-RADIATOR

S/N: AKA1-UP

PART OF 143-7722 DISPOSAL AR-WASTE, 143-7740 WOODCHIP AR

SMCS-7170

i01223754

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	120-6538	1	GRILL AS-LH						
	2	1	068-5893	2	SPACER						
	3	1	120-6539	1	GRILL AS-RH						
	4	1	2G-6741	2	PLATE						
	5	1	068-5893	2	SPACER						
B	6	1	1Q-3677	12	SHIM (3MM THK)						
	7	1	133-5615	1	PAWL-BOTTOM						
	8	1	8T-8920	2	BOLT (1/2-13X3.25IN)						
	9	1	1Z-9455	2	PLATE						
	10	1	8Y-4000	2	LATCH AS (T-BAR/COMPARTMENT)						
					(EACH INCLUDES)						
		1	6H-3956	1	PIN						
		1	7X-0766	1	SPRING-LATCH						
		1	8Y-3966	1	WASHER (1.57MM THK)						
		1	8Y-3998	1	HANDLE-LATCH						
		1	8Y-3999	1	BRACKET-MOUNTING						
		1	8Y-8306	1	SHAFT-LATCH						
	11	1	8T-2502	4	BOLT (3/8-16X1.125IN)						
	12	1	8T-4896	4	WASHER-HARD (2.5MM THK)						
	13	1	2K-4973	4	LOCKNUT (3/8-16 THD)						
	14	1	133-5616	1	PAWL-TOP						
	15	1	8T-4223	10	WASHER-HARD (3MM THK)						
	16	1	8T-9496	4	LOCKNUT (9/16-18 THD)						
	17	1	5P-2566	8	BOLT (1/2-13X1.50 IN)						
	18	1	109-3874	4	HINGE AS						

B-USE AS REQUIRED

FRAME AND BODY

118-7441 GUARD AS-RADIATOR

S/N: AKA1-UP

PART OF 143-7722 DISPOSAL AR-WASTE, 143-7740 WOODCHIP AR

SMCS-7155

i01233248

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3J-7189	2	BEARING						
	2	1	5J-8118	2	BEARING						
	3	1	6Y-5812	2	BEARING						
	4	1	9P-1779	4	BEARING-SLEEVE						
	5	1	120-6537	1	GUARD AS-RADIATOR						
	6	1	1Q-2980	1	BAR						
	7	1	109-3873	4	BLOCK						
	8	1	1F-0748	2	NUT-WELD (1/2-13 THD)						
	9	1	1F-0750	6	NUT-WELD (3/8-16 THD)						
	10	1	3J-5169	2	NUT (5/8-11 THD)						
	11	1	3T-6034	1	PLATE						
	12	1	7T-1099	5	LINK						
	13	1	8G-0794	2	BAR						
	14	1	8T-5911	4	NUT-WELD (1/2-13 THD)						
	15	1	8T-5912	3	NUT-WELD (3/8-16 THD)						
	16	1	9B-2052	1	HINGE						

FRAME AND BODY

164-8389 GUARD GP-FUEL TANK

S/N: AKA1-UP
WITH RIPPER

SMCS-1273

i01489017

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6Y-4520	1	BRACKET						
	2	1	8E-3013	2	PLATE AS						
					(EACH INCLUDES)						
		1	8T-5911	3	NUT-WELD (1/2-13 THD)						
		1	8V-2640	3	SPACER						
3		1	198-8998	1	FILM (RH SIDE) (D8R)						
4		1	123-5869	1	FILM-STRIPE (REAR) (RH SIDE)						
5		1	123-5870	1	FILM-STRIPE (REAR) (LH SIDE)						
6		1	164-7868	1	GUARD						
7		1	164-9325	1	GUARD AS-RH						
8		1	165-0121	2	BLOCK						
9		1	165-1675	1	PLATE AS						
		1	8T-5911	2	NUT-WELD (1/2-13 THD)						
10		1	190-0085	1	BRACKET						
11		1	190-0089	1	PLATE AS						
12		1	190-1686	1	GUARD AS-LH						
13		1	198-8999	1	FILM (LH SIDE) (D8R)						
14		1	199-4068	1	GUARD AS-REAR						
		1	8T-5911	4	NUT-WELD (1/2-13 THD)						
15		1	4L-9337	4	BOLT (3/8-16X1.5 IN)						
16		1	5P-1076	56	WASHER-HARD (13.5X30X4MM THK)						
17		1	5P-2566	2	BOLT (1/2-13X1.5 IN)						
18		1	6V-8188	8	NUT (1/2-13 THD)						
19		1	8C-4436	32	BOLT (1/2-13X1.375 IN)						
20		1	8T-2561	8	WASHER-HARD (10.5X28.5X5MM THK)						
21		1	8T-4835	6	BOLT (1/2-13X2 IN)						
22		1	8T-8917	8	BOLT (1/2-13X1.25 IN)						

FRAME AND BODY

157-0264 HOOD & GUARD GP

S/N: AKA1-UP

PART OF 157-0819 CHASSIS AR

SMCS-7251

i01434569

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	160-2416	1	HOOD AS						
		1	1F-0748	7	NUT-WELD (1/2-13 THD)						
		1	1F-0750	4	NUT-WELD (3/8-16 THD)						
		1	3J-5169	1	NUT (5/8-11 THD)						
2		1	5P-1075	20	WASHER-HARD (10.2X22.5X3MM THK)						
3		1	114-2538	1	PLATE-LH						
4		1	6T-9927	2	SLIDE						
5		1	6T-9929	2	PLATE						
6		1	7X-0328	4	BOLT (1/2-13X3.50 IN)						
7		1	5P-1076	4	WASHER-HARD (13.5X30X4MM THK)						
8		1	6T-9928	2	PLATE						
9		1	164-5963	1	PLATE AS						
		1	1F-0750	6	NUT-WELD (3/8-16 THD)						
10		1	8T-4897	4	WASHER (10.2X35X6MM THK)						
11		1	9P-3066	2	MOUNTING						
12		1	6P-8269	1	WASHER (20.5X88X6MM THK)						
13		1	8T-9396	1	BOLT (5/8-11X3.25 IN)						
14		1	7X-0515	9	WASHER-HARD (17X35X5MM THK)						
15		1	7X-0344	8	BOLT (5/8-11X1.375 IN)						
16		1	160-2418	1	PLATE AS-RH						
		1	1F-0750	8	NUT-WELD (3/8-16 THD)						
17		1	160-2419	1	PLATE AS-LH						
		1	1F-0750	8	NUT-WELD (3/8-16 THD)						
18		1	164-5959	1	PLATE AS						
		1	1F-0750	6	NUT-WELD (3/8-16 THD)						
19		1	9X-8266	2	WASHER (10.2X56.5X6MM THK)						
20		1	8T-2502	2	BOLT (3/8-16X1.125 IN)						
21		1	114-0408	1	PLATE-RH						
		1	4L-6454	24	BOLT (3/8-16X1 IN)						
D	23	1	5P-7211		SEAL (1M)						

D- ORDER BY THE METER

FRAME AND BODY

150-1958 SWEEP GP

S/N: AKA1-UP

PART OF 160-1058 LIGHTING AR

SMCS-7162

i01447081

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6T-1698	8	MOUNTING						
	2	1	7X-0564	4	WASHER-HARD (20X51X3MM THK)						
	3	1	8E-6891	2	BLOCK AS						
	4	1	8E-9532	2	SPACER						
	5	1	150-1955	8	PLATE						
	6	1	8T-9389	8	BOLT (1/2-13X2.75 IN)						
	7	1	5P-1076	8	WASHER-HARD (13.5X30X4MM THK)						
	8	1	7X-0366	4	BOLT (3/4-10X2 IN)						
	9	1	7X-0582	4	WASHER-HARD (20X44.5X6MM THK)						
	10	1	8C-8842	4	BOLT (3/4-10X4 IN)						
	11	1	7T-1099	12	LINK						
	12	1	1P-2772	4	SPACER (26X31X19MM THK)						
	13	1	8P-5244	4	WASHER (33.3X69.8X6.35MM THK)						
	14	1	9S-5187	2	MOUNTING						
	15	1	6K-3632	2	LOCKNUT						
	16	1	8C-8844	2	BOLT (1-8X5 IN)						
	17	1	111-3265	1	GUARD AS						
	18	1	1Q-3610	1	GUARD AS-RH						
	19	1	1Q-3611	1	GUARD AS-LH						

UNDERCARRIAGE

127-8778 EQUALIZER BAR AS

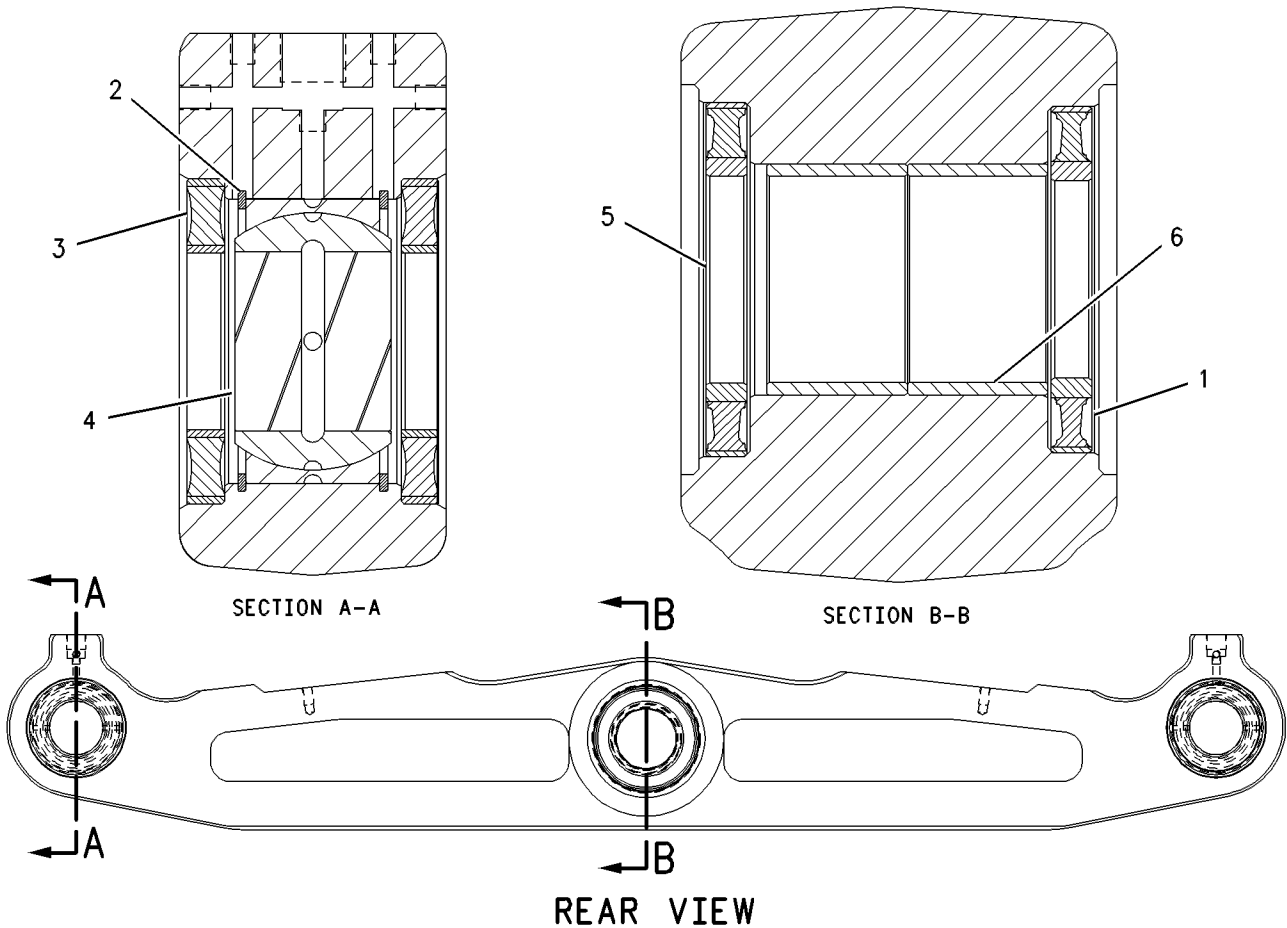
S/N: AKA1-UP

PART OF 127-8779 EQUALIZER BAR GP
FIELD REPLACEMENT ORDER 140-9698-PAGE 474

SMCS-7206, 7207, 7210

i01502168

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7G-8666	1	SEAL AS (79.87MM ID)						
	2	1	5L-4751	4	RING-RETAINING						
	3	1	9X-7505	4	SEAL AS						
	4	1	117-4013	2	BEARING-Self ALIGNING						
	5	1	7G-8664	1	SEAL (80.46MM ID)						
	6	1	130-3139	2	BEARING-SLEEVE						



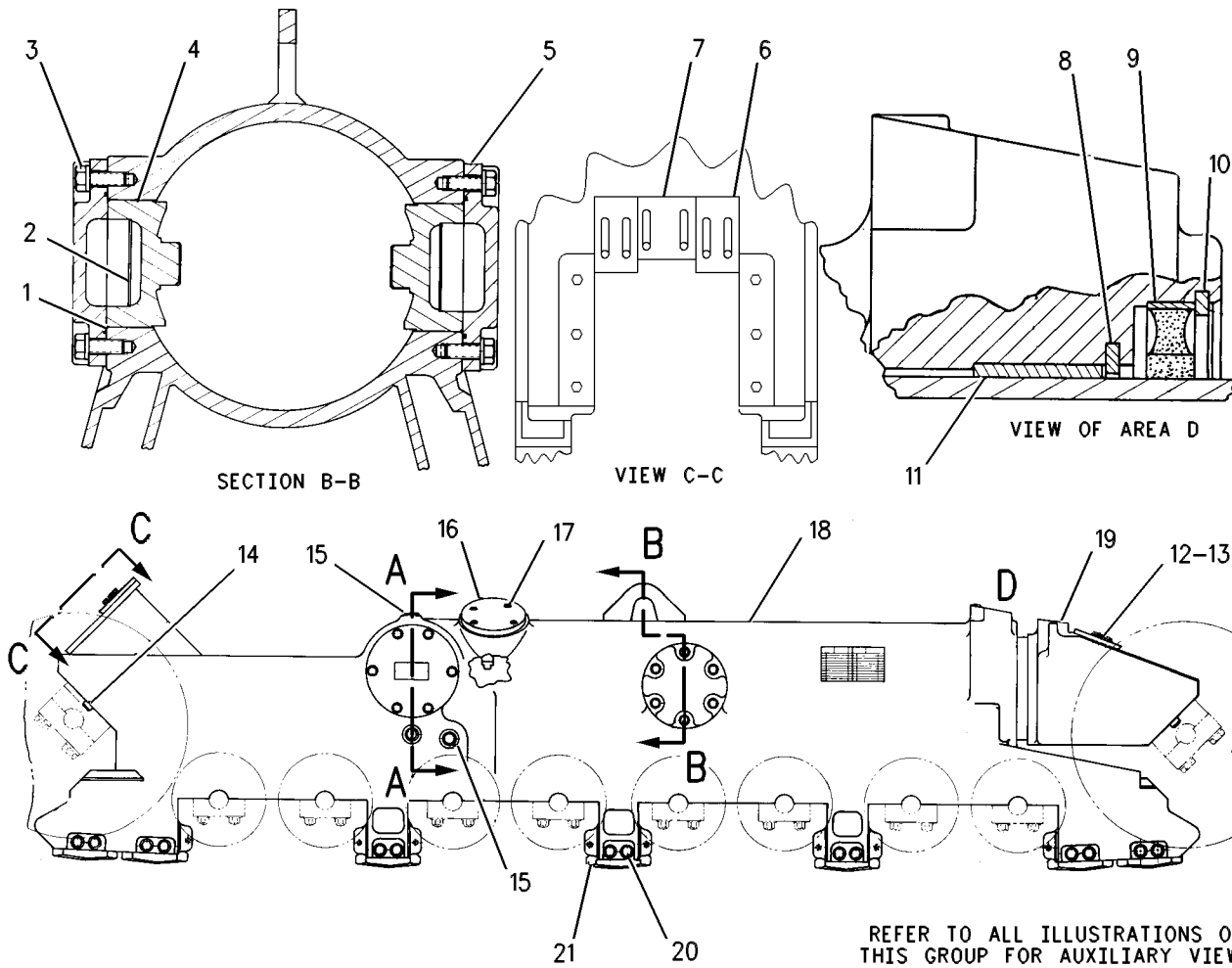
GRAPHIC #1

g00492546

UNDERCARRIAGE

157-3100 FRAME GP-TELESCOPING RECOIL (contd.)

i01497975



GRAPHIC #2

g00448907

UNDERCARRIAGE

159-6019 LUBRICATION GP-PIVOT SHAFT

S/N: AKA1-UP

PART OF 157-0819 CHASSIS AR

SMCS-3286

i01486702

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8E-2931	1	BOTTLE						
	2	1	8E-3410	1	CAP AS-OIL LEVEL						
	3	1	8E-3696	1	SUPPORT AS						
		1	2R-1694	2	SPACER						
	4	1	8E-3698	2	PAD						
	5	1	9G-5127	1	BREATHER						
I	6	1	168-7035	1	HOSE AS						
	7	1	<i>148-8347</i>	1	ELBOW GP						
		1	3D-2824	1	SEAL-O-RING						
		1	6V-9746	1	SEAL-O-RING						
		1	6V-9007	1	ELBOW						
	8	1	<i>148-8360</i>	1	ELBOW GP						
		1	6V-9746	1	SEAL-O-RING						
		1	6V-9182	1	ELBOW						
		1	6V-9182	1	ELBOW						
	9	1	1S-0994	3	CLIP						
	10	1	4L-6454	1	BOLT (3/8-16X1 IN)						
	11	1	5M-3062	2	BOLT (3/8-16X0.75 IN)						
	12	1	5S-7379	2	BOLT (3/8-16X0.875 IN)						
	13	1	8T-4896	5	WASHER-HARD (10.2X18.5X2.5MM THK)						

I-SEE HOSE FABRICATION GUIDE

UNDERCARRIAGE

1Q-4675 TRACK GP-2 REQUIRED

S/N: AKA1-UP

660MM (26 IN.) GROUSER SHOE. SEALED & LUBRICATED-EXTREME SERVICE-TRAPEZOIDAL

SMCS-4170

i01440220

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	8E-4518	1	LINK AS-TRACK						489
	6V-1723	172	BOLT-TRACK (7/8-14X3.42 IN)						
	6V-1724	2	BOLT-MASTER TRACK (7/8-14X3.78 IN)						
	6V-1725	2	BOLT-MASTER TRACK (7/8-14X5.08 IN)						
	7G-6442	172	NUT-TRACK (7/8-14 THD)						
	9W-5541	44	SHOE-TRACK						
Y-SEPARATE ILLUSTRATION									

STEERING AND BRAKING SYSTEM

6Y-3526 ADAPTER GP-MOTOR

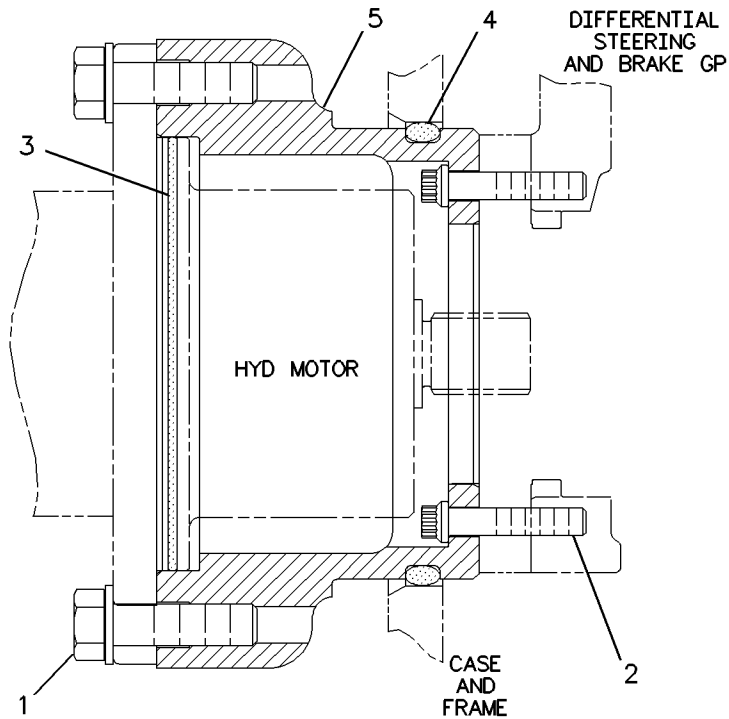
S/N: AKA1-UP

PART OF 157-0822 STEERING AR-HYDRAULIC

SMCS-5058

i01066078

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1	1	1	8C-6857	2	BOLT (3/4-10X2.75IN)						
		1	8T-4994	2	WASHER (5MM THK)						
2	1	1	7K-6058	6	BOLT-12 POINT HEAD (1/2-13X2.5IN)						
3	1	1	5J-2383	1	SEAL-O-RING (190.09MM ID)						
4	1	1	3N-0759	1	RING-SEALING						
5	1	1	6Y-3988	1	ADAPTER						



GRAPHIC #1

g00215772

STEERING AND BRAKING SYSTEM

177-6979 FILTER GP-OIL

S/N: AKA1-UP

PART OF 159-9309 LINES GP-STEERING

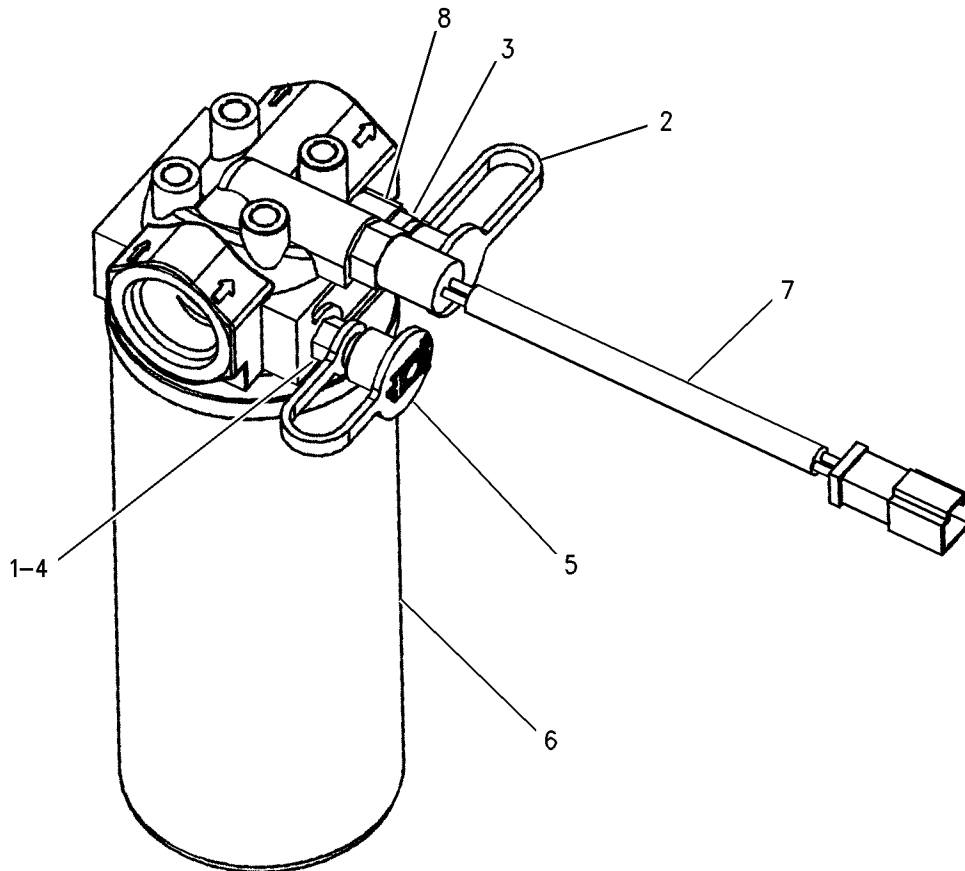
SMCS-5068

i01393878

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3J-7354	1	SEAL-O-RING (8.92MM ID)						
	2	1	6V-0852	1	CAP-DUST						
	3	1	6V-3965	1	FITTING AS (QUICK DISCONNECT)						
	4	1	8C-3446	1	VALVE AS-FLUID SAMPLING						
	5	1	8C-3451	1	CAP-DUST						
	6	1	102-2828	1	FILTER AS-OIL						
	7	1	117-7773	1	SWITCH AS-PRESSURE (OIL)						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)						
		1	8T-8729	2	PIN-CONNECTOR						
BE		1	9X-1813		SLEEVE						
	8	1	3J-1907	2	SEAL-O-RING (11.89MM ID)						

B- USE AS REQUIRED

E- ORDER BY THE CENTIMETER



GRAPHIC #1

g00664971

STEERING AND BRAKING SYSTEM

159-7162 MOTOR GP-PISTON

S/N: AKA1-UP

PART OF 157-0822 STEERING AR-HYDRAULIC

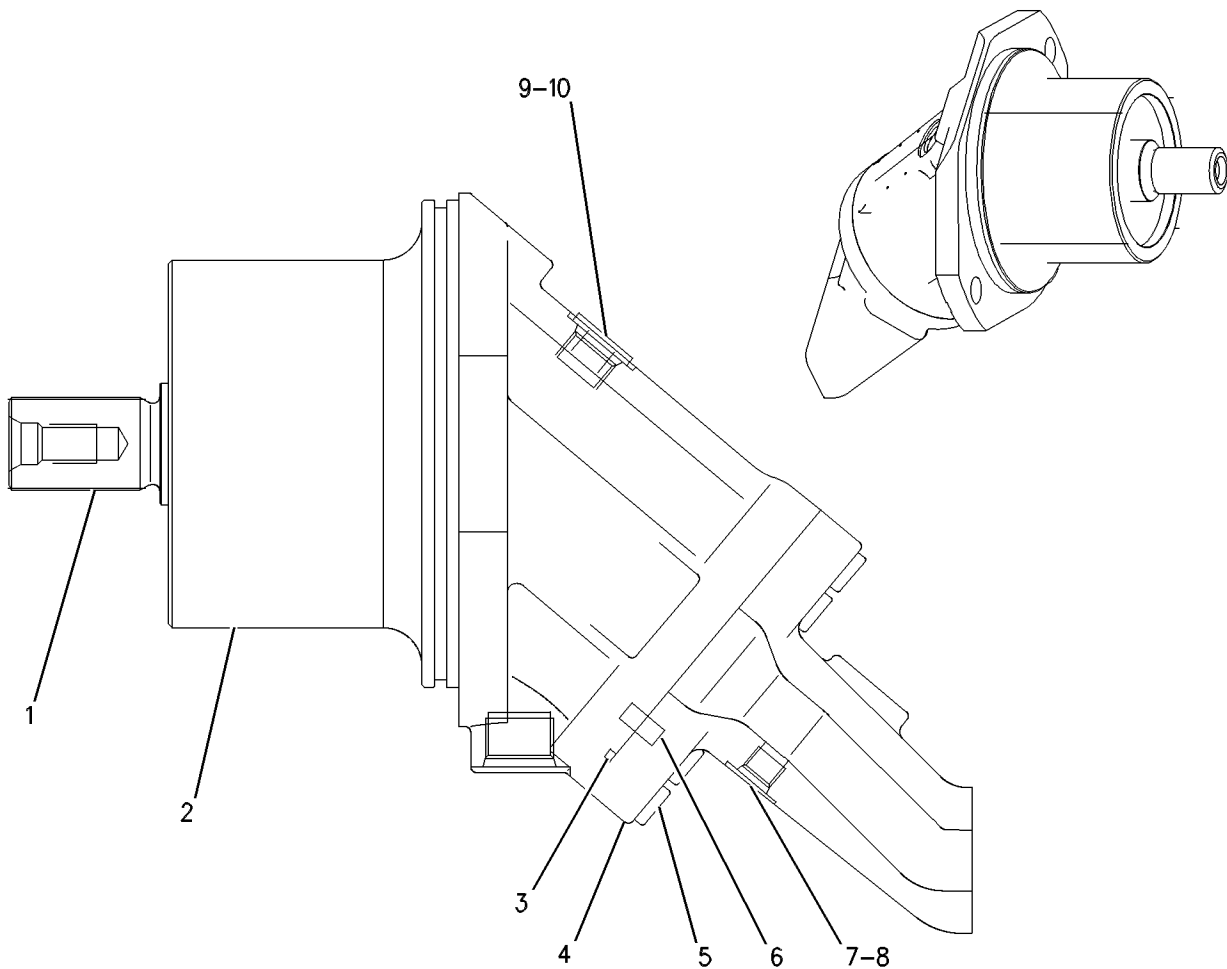
SMCS-5058

i01219329

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	171-3052	1	ROTATING GP-MOTOR						534
	2	1	6E-4092	1	HOUSING						
	3	1	6V-1197	1	SEAL-O-RING (98.02MM ID)						
	4	1	6E-2505	1	HEAD						
M	5	1	8T-3957	6	BOLT-HEX SOCKET (M12X1.75X30MM)						
	6	1	8T-4231	1	DOWEL						
	7	1	9S-8004	2	PLUG-O-RING (9/16-18 THD)						
	8	1	3J-1907	2	SEAL-O-RING (11.89MM ID)						
	9	1	9S-8006	1	PLUG-O-RING (7/8-14 THD)						
	10	1	2M-9780	1	SEAL-O-RING (19.18MM ID)						

M-METRIC PART

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00605348

STEERING AND BRAKING SYSTEM

9T-8693 VALVE GP-PILOT

S/N: AKA1-UP

PART OF 158-8078 CONTROL GP-STEERING & TMSN

SMCS-4307

i00935759

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6E-1134	1	LEVER						
	2	1	1B-4427	2	NUT-JAM (1/4-20 THD)						
	3	1	114-5157	2	ADJUSTER						
	4	1	6E-1135	1	PIN						
	5	1	1U-3147	4	SEAL-U-CUP						
	6	1	033-6044	2	SEAL-O-RING (20.35MM ID)						
B	7	1	5S-7018	4	SPACER (.25MM THK)						
	8	1	6E-1982	2	SPRING (MIDDLE)						
C	9	1	1U-2073	2	STEM						
	10	1	3N-2818	2	BEARING						
	11	1	6E-1981	2	SPRING (INNER)						
	12	1	6E-1136	2	RETAINER						
	13	1	1U-2071	2	RETAINER						
	14	1	6E-1133	1	BRACKET						
	15	1	8J-1622	2	NUT						
	16	1	9T-2378	2	SLEEVE						
	17	1	1U-2752	2	PLUNGER						
	18	1	1U-2765	1	BOOT						
	19	1	1W-3963	2	SPRING-OUTER						
	20	1	6E-2193	2	RETAINER						

B- USE AS REQUIRED

C- CHANGE FROM PREVIOUS TYPE

HYDRAULIC SYSTEM

160-4781 CONTROL AR-HYDRAULIC

S/N: AKA1-UP

PIN PULLER

SMCS-5050

i01488903

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-6772	6	STRAP-CABLE						
Y	2	1	<i>188-6140</i>	1	VALVE & MTG GP-CONTROL						633
	3	1	106-8704	2	SUPPRESSOR AS-ARC						
					(EACH INCLUDES)						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
		1	8T-8729	2	PIN-CONNECTOR						
4	1	1	146-0240	1	SWITCH AS-TOGGLE (LOCKING)						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
		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						
5	1	1	160-4782	1	PLATE AS						
		1	1F-0750	4	NUT-WELD (3/8-16 THD)						
I	6	1	160-4784	1	HOSE AS						
	7	1	164-4940	1	HARNES AS						
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN)						
		1	155-2270	2	KIT-CONNECTING PLUG (2 PIN)						
		1	155-2271	1	KIT-CONNECTING PLUG (4 PIN)						
					(EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)						
8	1	1	137-3936	1	FILM-INSTRUCTION						
9	1	1	198-4585	1	HOSE AS						
10	1	1	<i>148-8378</i>	4	ELBOW GP						
					(EACH INCLUDES)						
		1	3J-1907	1	SEAL-O-RING						
		1	6V-8397	1	SEAL-O-RING						
		1	6V-8724	1	ELBOW						
11	1	1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)						
12	1	1	8T-4896	4	WASHER-HARD (10.2X18.5X2.5MM THK)						
13	1	1	8T-8917	2	BOLT (1/2-13X1.25 IN)						
14	1	1	8T-8915	4	BOLT (3/8-16X3.25 IN)						

I- SEE HOSE FABRICATION GUIDE

Y- SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

136-1687 CYLINDER & LINES GP-TILT

S/N: AKA1-UP

COLD WEATHER

SMCS-5104

i01488418

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	4Z-6311	1	CYLINDER GP-TILT						578
	137-5914	2	HOSE AS 84CM LENGTH EACH 1-90 & 1-60 DEGREE COUPLING						
	203-7819	1	HOSE AS 90 DEGREE COUPLING 93CM LENGTH						
	203-7820	1	HOSE AS 90 DEGREE COUPLING 83.5CM LENGTH						

Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

155-3653 CYLINDER GP-RIPPER LIFT

S/N: BHD1-UP

184.15 MM (7.25 IN.) BORE X 281 MM (11.06 IN.) STROKE

PART OF 153-3130 RIPPER AR

SMCS-5352

i01442847

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2J-7686	1	LOCKNUT						
	2	1	1J-2674	1	RING-WEAR						
	3	1	5J-4993	1	SEAL AS						
		1	5J-4407	1	RING-EXPANDER						
		1	5J-4408	1	SEAL						
	4	1	1U-2716	1	PISTON						
	5	1	6J-9121	1	WASHER						
	6	1	155-3850	1	CYLINDER AS						
		1	3G-5999	1	BEARING-SLEEVE						
	7	1	5P-7593	1	SEAL-O-RING (170.82MM ID)						
	8	1	158-3027	1	RING-BACKUP						
	9	1	8T-8381	1	SEAL-HEAD (180.46MM ID)						
	10	1	155-3849	1	HEAD						
M	11	1	6V-5845	8	BOLT (M20X2.5X70MM)						
	12	1	3B-8489	2	FITTING-GREASE						
R	13	1	9T-0584	1	ROD AS						
		1	0R-3082	1	ROD AS						
		1	3G-5999	1	BEARING-SLEEVE						
	14	1	8T-4121	8	WASHER-HARD (11X21X2.5MM THK)						
	15	1	8C-3206	4	FLANGE-HALF						
	16	1	8T-1714	1	RING-WEAR						
M	17	1	8T-4196	8	BOLT (M10X1.5X35MM)						
	18	1	167-2469	1	SEAL-WIPER						
	19	1	167-2319	1	SEAL-U-CUP						
	20	1	167-2208	1	SEAL AS-BUFFER						

M- METRIC PART

R- REMFG PART MAY BE AVAILABLE

HYDRAULIC SYSTEM

6E-0397 CYLINDER GP-TILT

S/N: AKA1-UP

PART OF 8E-3039 CYLINDER AR-TILT

SMCS-5104

i01488347

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
R	1	1	6E-0398	1	CYLINDER AS						
	2	1	1U-2182	2	BEARING-SLEEVE						
	3	1	9T-5900	1	WASHER						
	4	1	132-5180	1	PISTON AS						
J	5	1	5J-4993	1	SEAL AS						
	6	1	8H-3532	1	SPRING-VALVE						
	7	1	9T-4977	1	PLUNGER						
	8	1	132-5183	1	PLUNGER						
	9	1	132-5182	1	INSERT						
R	10	1	106-3881	1	ROD AS						
M	11	1	8T-0672	4	BOLT (M24X3.0X160MM)						
	12	1	160-6309	1	CAP-BEARING						
B	13	1	8J-9180	28	SHIM (.51MM THK)						
M	14	1	7X-0851	4	NUT (M24X3.00 THD)						
J	15	1	1J-2674	1	RING-WEAR						
J	16	1	167-2469	1	SEAL-WIPER						
J	17	1	167-2319	1	SEAL-U-CUP						
J	18	1	167-2208	1	SEAL AS-BUFFER						
J	19	1	9T-0094	1	RING-WEAR						
	20	1	2J-0564	1	LOCKNUT						
J	21	1	2K-2939	1	SEAL-O-RING						
J	22	1	2K-2940	1	RING-BACKUP						
	23	1	6E-0402	1	HEAD						
M	24	1	8C-3222	4	BOLT (M30X3.5X80MM)						
	25	1	3S-7023	4	WASHER (34X57X6MM THK)						
AVAILABLE REPAIR KIT (S) :											
J			132-6127	1	KIT-HYDRAULIC CYLINDER SEAL						
B-USE AS REQUIRED J-KIT MARKED J INCLUDES PARTS MARKED J M-METRIC PART R-REMFG PART MAY BE AVAILABLE											

HYDRAULIC SYSTEM

157-7329 LINES GP-PILOT (contd.)

i01439557

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
		2	6V-8774	1	TEE						
48		1	148-8444	1	TEE AS-ORFS						
		1	6V-8398	2	SEAL-O-RING						
		1	6V-9837	1	TEE-SWIVEL						
49		2	150-5968	1	TEE GP						
		2	4J-5477	2	SEAL-O-RING						
		2	6V-9835	1	TEE						
50		2	164-5570	1	UNION GP						
		2	6V-8397	2	SEAL-O-RING						
		2	6V-8730	1	UNION-FACE SEAL						
51		1	3K-0360	1	SEAL-O-RING						
52		1	4K-1388	1	SEAL-O-RING						
53		1,2	5P-1075	4	WASHER-HARD (10.2X22.5X3MM THK)						
54		1	5P-2566	1	BOLT (1/2-13X1.5 IN)						
55		2	6V-8801	1	NUT (3/8-16 THD)						
56		1	6V-9830	1	CAP AS						
57		2	7S-3912	1	CLIP (TAB)						
58		2	7S-3913	1	CLIP (SLOT)						
59		1	8S-0023	1	CLIP (SLOT)						
60		1	8S-0024	1	CLIP (TAB)						
M	61	2	8T-0287	4	BOLT (M5X0.8X10MM)						
	62	2	8T-1893	1	CLIP (SLOT)						
	63	2	8T-1894	1	CLIP (TAB)						
	64	1	8T-2502	2	BOLT (3/8-16X1.125 IN)						
	65	1	8T-4205	2	WASHER-HARD (7.2X14.5X2MM THK)						
	66	1	8T-4223	1	WASHER-HARD (13.5X25.5X3MM THK)						
	67	1	8T-9368	2	BOLT (1/4-20X2.25 IN)						
	68	2	9B-7237	1	BOLT (3/8-16X1.25 IN)						
	69	2	9X-6281	4	SCREW-MACHINE (4-40X1 IN)						

I - SEE HOSE FABRICATION GUIDE
M - METRIC PART
Y - SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

161-1014 LINES GP-PILOT

S/N: AKA1-UP

DOZER & WINCH

PART OF 160-5560 CONTROL AR-PILOT HYDRAULIC

SMCS-5057

i01488952

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1Z-9787	1	BOSS						
	2	1	7K-1181	4	STRAP-CABLE						
	3	1	107-1341	1	ADAPTER						
M	4	1	112-9319	1	BOLT-HEX SOCKET (M5X0.8X80MM)						
	5	1	126-0810	1	LIGHT						
	6	1	126-0814	1	NIPPLE AS						
I	7	1	159-3453	1	HOSE AS						
	8	1	159-9202	1	SEAL						
I	9	1	160-4301	1	HOSE AS						
I	10	1	160-4302	1	HOSE AS						
I	11	1	160-4303	1	HOSE AS						
I	12	1	160-4304	1	HOSE AS						
I	13	1	160-4306	1	HOSE AS						
	14	1	160-4326	1	KNOB AS						
I	15	1	161-2109	1	HOSE AS						
I	16	1	161-2338	1	HOSE AS						
I	17	1	161-2339	1	HOSE AS						
Y	18	1	162-0162	1	VALVE GP-MANIFOLD & REDUCING						650
I	19	1	163-3433	1	HOSE AS						
	20	1	163-3434	1	TUBE AS						
	21	1	163-3435	1	TUBE AS						
	22	1	165-0107	1	HARNESS AS (WINCH-CONSOLE)						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	23	1	170-7568	1	BRACKET AS						
		1	9F-6445	2	NUT-WELD (1/4-20 THD)						
I	24	1	171-3013	1	HOSE AS						
I	25	1	171-3014	1	HOSE AS						
	26	1	171-8787	1	CAM						
I	27	1	174-3038	1	HOSE AS						
	28	1	189-0135	1	SWITCH AS-LIMIT						
		1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)						
		1	186-3735	3	PIN-CONNECTOR						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
	29	1	191-3587	1	SWITCH AS						
		1	3E-3377	1	WEDGE-RECEPTACLE LOCK						
		1	9G-3695	1	PLUG (GROMMET SEALING)						
		1	186-3735	1	PIN-CONNECTOR						
		1	102-8804	1	KIT-RECEPTACLE (4 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
I	30	1	191-5101	1	HOSE AS						
	31	1	194-7008	1	VALVE GP-BALL						
	32	1	195-3312	1	HARNESS AS (LOCKOUT INDICATOR)						
					(LOCKOUT INDICATOR)						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
					(INCLUDES RECEPTACLE AS & WEDGE)						
		1	155-2255	1	KIT-CONNECTING PLUG (12 PIN)						
					(INCLUDES PLUG AS & WEDGE)						
		1	155-2270	2	KIT-CONNECTING PLUG (2 PIN)						
					(EACH INCLUDES PLUG AS & WEDGE)						
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN)						
					(INCLUDES PLUG AS & WEDGE)						

HYDRAULIC SYSTEM

157-8027 LINES GP-RIPPER

S/N: AKA1-UP

PART OF 160-1806 CONTROL AR-HYDRAULIC

SMCS-5057, 5352, 5356

i01452654

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	133-8269	1	MANIFOLD						
	2	1	197-5469	1	PLATE AS						
I	3	1	197-7338	2	HOSE AS						
I	4	1	197-7340	2	HOSE AS						
I	5	1	197-7341	1	HOSE AS						
	6	1	1P-4577	8	FLANGE - HALF						
	7	1	4J-0520	16	SEAL - O-RING						
	8	1	5H-4019	8	COVER						
	9	1	5S-7382	16	BOLT (3/8-16X1.375 IN)						
	10	1	7G-5984	2	CLIP (TAB)						
	11	1	7G-5985	2	CLIP (SLOT)						
	12	1	7G-5986	2	GROMMET						
	13	1	8C-3206	16	FLANGE - HALF						
	14	1	8C-4436	4	BOLT (1/2-13X1.375 IN)						
	15	1	8T-4121	32	WASHER - HARD (11X21X2.5MM THK)						
M	16	1	8T-4196	32	BOLT (M10X1.5X35MM)						
	17	1	8T-4223	6	WASHER - HARD (13.5X25.5X3MM THK)						
	18	1	8T-4896	20	WASHER - HARD (10.2X18.5X2.5MM THK)						
	19	1	8T-8917	2	BOLT (1/2-13X1.25 IN)						
	20	1	9B-7237	4	BOLT (3/8-16X1.25 IN)						

I - SEE HOSE FABRICATION GUIDE
M - METRIC PART

HYDRAULIC SYSTEM

161-8893 MANIFOLD GP-HYDRAULIC

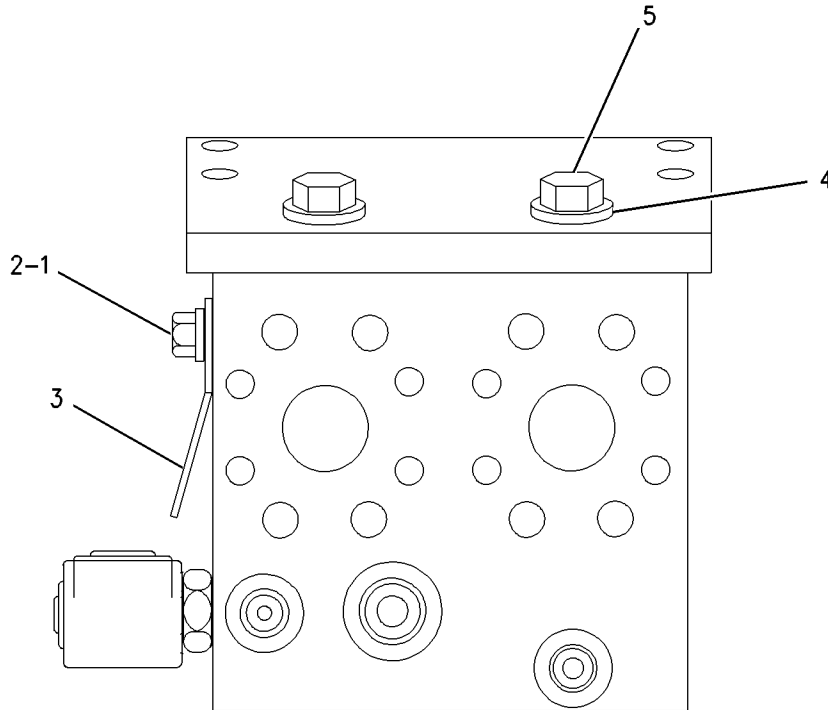
S/N: AKA1-UP

PART OF 160-8403 LINES GP-WINCH

SMCS-5264

i01488938

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-8167	1	BOLT (3/8-16X0.625 IN)						
	2	1	8T-4896	1	WASHER-HARD (10.2X18.5X2.5MM THK)						
	3	1	4P-7581	1	CLIP						
	4	1	8T-4223	2	WASHER-HARD (13.5X25.5X3MM THK)						
	5	1	8T-8917	2	BOLT (1/2-13X1.25 IN)						



GRAPHIC #1

g00649420

HYDRAULIC SYSTEM

164-3700 TANK & FILTER GP -HYDRAULIC

S/N: AKA1-UP

PART OF 157-0823 HYDRAULIC AR

SMCS-5056, 5068

i01487038

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1L-4349	1	SPRING	
	2	1	1R-0735	1	FILTER ELEMENT AS-OIL (HYDRAULIC/REVERSE FLOW) (DISPOSABLE)	
					-OR-	
A		1	104-6931	1	FILTER ELEMENT AS-OIL (REVERSE FLOW) (FIRE RESISTANT FLUID)	
					-OR-	
A		1	139-1537	1	FILTER ELEMENT AS-OIL (HYDRAULIC) (HIGHER PERFORMANCE)	
	3	1	1U-2827	1	GUIDE-VALVE	
	4	1	4H-1225	1	WASHER (11X22X6MM THK)	
	5	1	4M-6921	1	WASHER-SPRING	
	6	1	6E-1725	1	TUBE AS	
	7	1	6E-1744	1	TUBE AS	
	8	1	6E-1752	1	SCREEN	
	9	1	6E-2059	1	HOUSING	
	10	1	6E-2060	1	COVER AS	
	11	1	6E-4795	1	BRACKET	
	12	1	7B-3039	1	SPRING	
	13	1	8J-8782	1	BODY-DRAIN VALVE	
	14	1	8J-8783	1	VALVE	
	15	1	9J-1979	1	RETAINER AS	
	16	1	9J-1985	1	TUBE AS	
	17	1	9J-1986	1	FLANGE	
	18	1	9J-1988	1	VALVE	
	19	1	9J-7031	1	PLUG-DRAIN	
	20	1	106-5705	1	BRACKET	
	21	1	162-2913	1	PLATE AS	
	22	1	164-3698	1	TANK AS-HYDRAULIC	
		1	9J-7203	1	FILLER	
	23	1	164-3699	1	TANK AS-HYDRAULIC	
	24	1	106-5706	1	BRACKET	
	25	1	1L-5072	1	DOWEL	
	26	1	1P-4577	2	FLANGE-HALF	
	27	1	1P-4578	2	FLANGE-HALF	
	28	1	1P-4584	2	FLANGE-HALF	
	29	1	2D-4202	1	PLATE	
	30	1	2H-6124	1	SEAL-O-RING	
	31	1	2J-7761	1	RING-RETAINING	
	32	1	3J-7354	1	SEAL-O-RING	
	33	1	4J-8251	1	GROMMET	
	34	1	4J-8252	1	GAUGE-SIGHT	
	35	1	5D-1911	1	COVER-HYDRAULIC CAP	
	36	1	5D-7927	1	STRAINER AS	
		1	5F-3488	1	END-STRAINER	
	37	1	5H-6733	1	SEAL-O-RING	
	38	1	5M-2057	1	SEAL-O-RING	
	39	1	5S-7382	4	BOLT (3/8-16X1.375 IN)	
	40	1	6H-9361	1	RING-RETAINING	
M	41	1	6V-3822	4	BOLT (M10X1.5X35MM)	
M	42	1	6V-4248	60	BOLT (M10X1.50X25MM)	
	43	1	6V-5839	14	WASHER (11X21X2.5MM THK)	
M	44	1	6V-7732	7	BOLT (M10X1.5X25MM)	
M	45	1	6V-7744	79	LOCKNUT (M10X1.5 THD)	
M	46	1	6V-8097	4	BOLT (M12X1.75X30MM)	
	47	1	7D-1195	1	SEAL-O-RING	

HYDRAULIC SYSTEM

160-5952 VALVE GP-CONTROL

S/N: AKA1-UP

PART OF 157-0824 CONTROL AR-PILOT HYDRAULIC

SMCS-5051

i01439705

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9S-4191	1	PLUG						
Y	2	1	160-5953	1	VALVE GP-CONTROL (DOZER LIFT)						642
Y	3	1	160-5954	1	VALVE GP-CONTROL (DOZER TILT)						644
Y	4	1	163-0829	1	MANIFOLD GP-INLET (DOZER/WINCH BANK VALVE)						621
	5	1	164-7678	3	ROD						
	6	1	3J-1907	1	SEAL-O-RING (11.89MM ID)						
	7	1	1P-3702	1	SEAL-RECTANGULAR						
	8	1	1P-4577	8	FLANGE-HALF						
	9	1	1P-4578	2	FLANGE-HALF						
	10	1	3J-7354	3	SEAL-O-RING (8.92MM ID)						
	11	1	4J-0522	9	SEAL-O-RING (37.69MM ID)						
	12	1	4J-8997	2	SEAL-O-RING (28.17MM ID)						
	13	1	169-9119	1	COVER						
	14	1	5S-7382	16	BOLT (3/8-16X1.375 IN)						
	15	1	6V-5555	9	SEAL-O-RING (7.52MM ID)						
	16	1	6V-8188	3	NUT (1/2-13 THD)						
	17	1	7X-3392	3	WASHER-HARD (13.5X22.5X3MM THK)						
	18	1	8T-4896	16	WASHER-HARD (10.2X18.5X2.5MM THK)						
	19	1	8T-5360	4	WASHER (12X22.5X2.5MM THK)						
	20	1	8T-8916	4	BOLT (7/16-14X1.5 IN)						
	21	1	9S-4182	1	PLUG-O-RING						
	22	1	9S-8002	2	PLUG-O-RING						

Y-SEPARATE ILLUSTRATION

HYDRAULIC SYSTEM

162-0162 VALVE GP-MANIFOLD & REDUCING

S/N: AKA1-UP

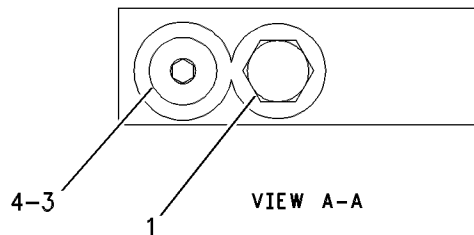
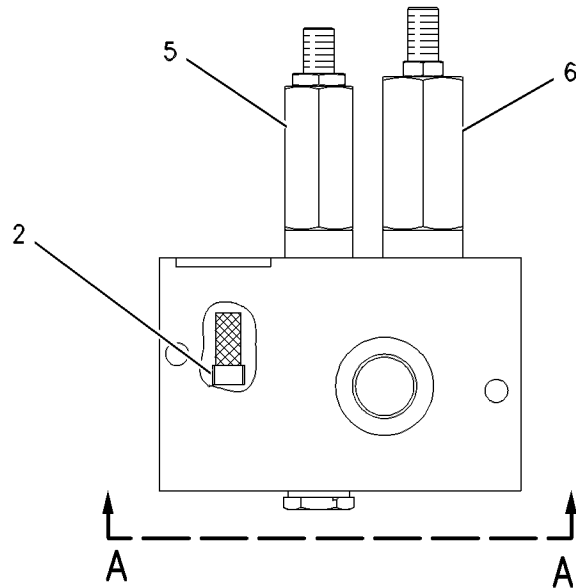
PART OF 157-7329, 157-8029, 161-1014 LINES GP-PILOT

SMCS-3206

i01452672

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	158-9956	1	VALVE-CHECK						
	2	1	6E-5066	1	SCREEN						
	3	1	3K-0360	1	SEAL-O-RING						
	4	1	9S-8005	1	PLUG						
Y	5	1	170-3357	1	VALVE GP-PRESSURE REDUCING						663
Y	6	1	170-3360	1	VALVE GP-RELIEF						668

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00637822

HYDRAULIC SYSTEM

194-5032 VALVE GP-PILOT CARTRIDGE

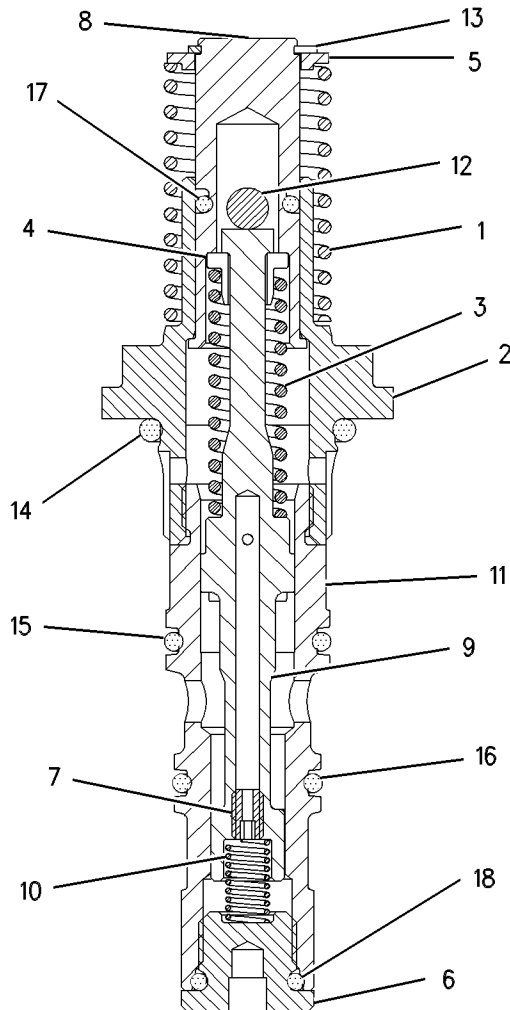
S/N: AKA1-UP

PART OF 159-9549, 200-0189 VALVE GP-PILOT

SMCS-5059

i01439589

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	157-2153	1	SPRING						
	2	1	136-9304	1	ADAPTER						
	3	1	145-8707	1	SPRING						
	4	1	146-6316	2	RETAINER						
	5	1	146-6319	1	RETAINER						
	6	1	153-8925	1	STOP						
	7	1	116-4527	1	ORIFICE						
	8	1	146-6318	1	PLUNGER						
	9	1	191-3029	1	SPOOL						
	10	1	153-8926	1	SPRING						
	11	1	191-3028	1	CAGE						
	12	1	1M-6718	1	BALL						
	13	1	2H-3429	1	RING-RETAINING						
	14	1	3K-0360	1	SEAL-O-RING (16.36MM ID)						
	15	1	4K-2039	1	SEAL-O-RING (12.42MM ID)						
	16	1	6M-5062	1	SEAL-O-RING (10.82MM ID)						
	17	1	7I-6601	1	SEAL-O-RING (6.73MM ID)						
	18	1	7J-0204	1	SEAL-O-RING (7.65MM ID)						



GRAPHIC #1

g00577903

HYDRAULIC SYSTEM

3E-8575 VALVE GP-SOLENOID

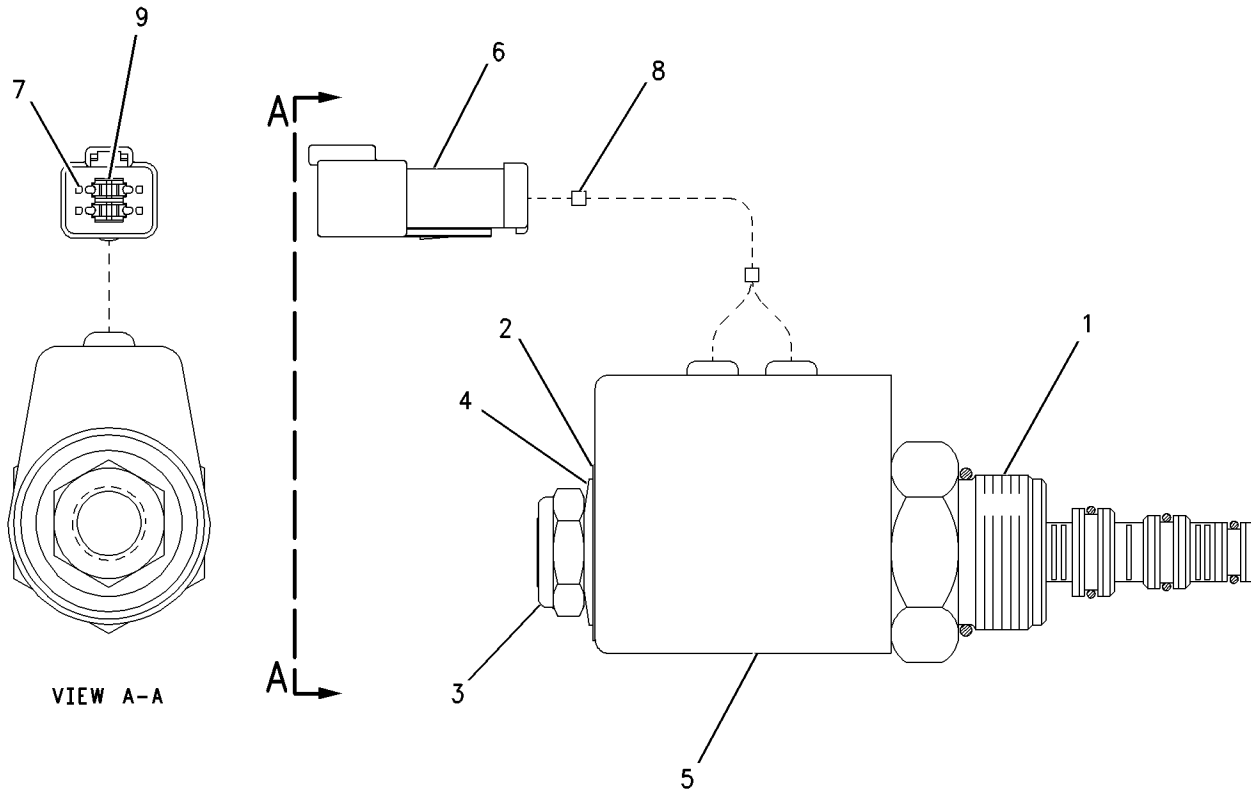
S/N: AKA1-UP

PART OF 188-6140 VALVE & MTG GP-CONTROL

SMCS-5479

i01488918

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6T-3382	1	CARTRIDGE AS						
	2	1	160-5843	1	WASHER-IDENTIFICATION						
	3	1	157-2284	1	LOCKNUT-SPECIAL (5/8-18 THD)						
	4	1	160-5844	1	SPRING-BELLEVILLE						
	5	1	3E-8581	1	COIL AS						
	6	1	102-8804	1	KIT-RECEPTACLE (4 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	7	1	186-3735	4	PIN-CONNECTOR						
	8	1	1S-9593	2	STRAP-CABLE						
	9	1	3E-3377	1	WEDGE-RECEPTACLE LOCK						
					AVAILABLE REPAIR KIT(S) :						
			126-5948	1	KIT-SEAL (INCLUDES SEALS & RINGS)						



GRAPHIC #1

g00623320

IMPLEMENTS

159-1628 BULLDOZER AR-SEMI-UNIVERSAL

S/N: BHW1-UP

SMCS-6050, 6078

i01497638

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	8E-6151	1	BLADE GP-SEMI-UNIVERSAL						725
Y	108-6979	1	CYLINDER & LINES GP-LIFT						556
Y	108-6980	1	CYLINDER & LINES GP-LIFT						558
Y	159-0068	1	LIGHTING GP-FRONT						252
Y	201-5703	1	LINES GP-TILT CYLINDER						618
Y	6I-8788	1	MOUNTING GP-CYLINDER						693
Y	5P-4963	1	PLATE & FILM GP						878
Y	118-3173	1	PUSH ARM GP-STABILIZER						701
Y	9W-8276	1	TRUNNION GP-BULLDOZER						704

Y-SEPARATE ILLUSTRATION

IMPLEMENTS

160-8403 LINES GP-WINCH

S/N: AKA1-UP

PART OF 160-5556 CONTROL AR-BULLDOZER & WINCH

SMCS-5057

i01488936

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9X-6772	4	STRAP-CABLE						
I	2	1	161-3948	1	HOSE AS						
Y	3	1	161-8893	1	MANIFOLD GP-HYDRAULIC						620
	4	1	170-4891	1	HARNES AS						
		1	155-2260	1	KIT-CONNECTING PLUG (3 PIN) (INCLUDES PLUG AS & WEDGE)						
		1	155-2270	1	KIT-CONNECTING PLUG (2 PIN) (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)						
	5	1	197-8494	1	HOSE AS						
	6	1	197-8495	1	HOSE AS						
	7	1	148-8336	2	CONNECTOR GP (EACH INCLUDES)						
		1	3J-1907	1	SEAL-O-RING						
		1	6V-8397	1	SEAL-O-RING						
		1	6V-8636	1	CONNECTOR						
8		1	148-8340	1	CONNECTOR GP						
		1	3K-0360	1	SEAL-O-RING						
		1	6V-8398	1	SEAL-O-RING						
		1	6V-8639	1	CONNECTOR						
9		1	148-8433	1	TEE GP						
		1	6V-9836	1	TEE-SWIVEL						
		1	6V-8397	2	SEAL-O-RING						
10		1	148-8407	1	PLUG GP						
		1	3J-1907	1	SEAL-O-RING						
		1	9S-4191	1	PLUG-STRAIGHT THREAD						
11		1	148-8411	1	PLUG AS						
		1	3K-0360	1	SEAL-O-RING						
		1	9S-4185	1	PLUG-O-RING						
12		1	155-3624	1	PLUG GP						
		1	3J-7354	1	SEAL-O-RING						
		1	9S-4182	1	PLUG-O-RING						
13		1	1P-3703	2	SEAL-RECTANGULAR						
14		1	1P-4577	6	FLANGE-HALF						
15		1	1P-5766	4	FLANGE-HALF						
16		1	4J-0520	4	SEAL-O-RING						
17		1	5P-0047	2	COVER						
18		1	5S-7382	8	BOLT (3/8-16X1.375 IN)						
19		1	7X-0294	1	BOLT (3/8-16X5 IN)						
20		1	8C-6877	8	BOLT (7/16-14X1.75 IN)						
21		1	8T-1891	1	CLIP (SLOT)						
22		1	8T-1892	1	CLIP (TAB)						
23		1	8T-4896	13	WASHER-HARD (10.2X18.5X2.5MM THK)						
24		1	8T-5360	8	WASHER (12X22.5X2.5MM THK)						
25		1	9B-7237	4	BOLT (3/8-16X1.25 IN)						

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

IMPLEMENTS

8E-6168 PUSH ARM GP-RH

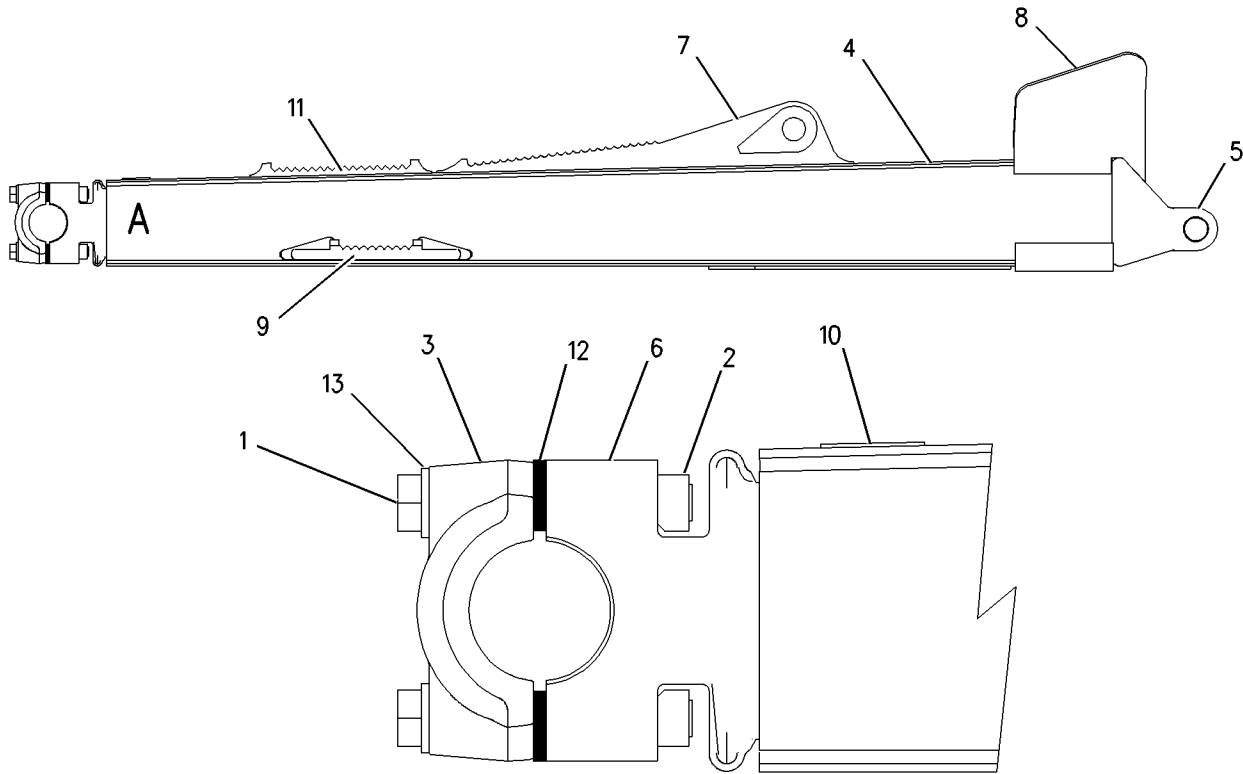
S/N: AKA1-UP; CXB1-UP; CXL1-UP; BHW1-UP
PART OF 118-3173, 158-6394 PUSH ARM GP-STABILIZER

SMCS-6061

i01441651

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE	
					1	2	3	4	5	6 (PRODUCT LEVEL)		
M	1	1	3E-9850	2	BOLT (M30X3.5X220MM THD)							
	2	1	195-6283	2	NUT-SQUARE							
	3	1	193-3063	1	CAP-BEARING							
	4	1	8E-6169	1	PUSH ARM AS-RH							
	5	1	8E-6171	1	BRACKET AS-RH							
			1	3G-9598	2	BEARING-SLEEVE						
	6	1	1J-6740	1	BEARING							
	7	1	3G-7000	1	BRACKET AS							
	8	1	9W-1447	1	GUARD							
	9	1	7T-5140	1	STEP							
	10	1	8P-9770	1	PLATE							
B	11	1	1U-2533	1	BAR							
	12	1	9W-7602	26	SHIM (.8MM THK)							
	13	1	9X-8258	2	WASHER (33X56X6MM THK)							

B- USE AS REQUIRED
M- METRIC PART



VIEW OF AREA A

GRAPHIC #1

g00740866

WORK TOOLS

9U-8086 BLADE & EDGE GP

S/N: AKA1-UP

SMCS-6060

i01254779

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	7T-5559	1	BIT & CUTTING EDGE GP						706
Y	8E-7226	1	BLADE AS-UNIVERSAL						723

Y-SEPARATE ILLUSTRATION

WORK TOOLS

8E-7224 BLADE AS-SEMI-UNIVERSAL

S/N: AKA1-UP

SEMI-UNIVERSAL WITH ROCK GUARD AND WEAR PLATES
PART OF 9U-8087 BLADE & EDGE GP

SMCS-6060

i01440929

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	8E-6154	1	BLADE AS-SEMI-UNIVERSAL						718
Y	8E-1497	1	GUARD GP-ROCK						688
Y	9W-2707	1	PLATE GP-WEAR						728
Y-SEPARATE ILLUSTRATION									

WORK TOOLS

4T-0137 TOOTH GP-RIPPER

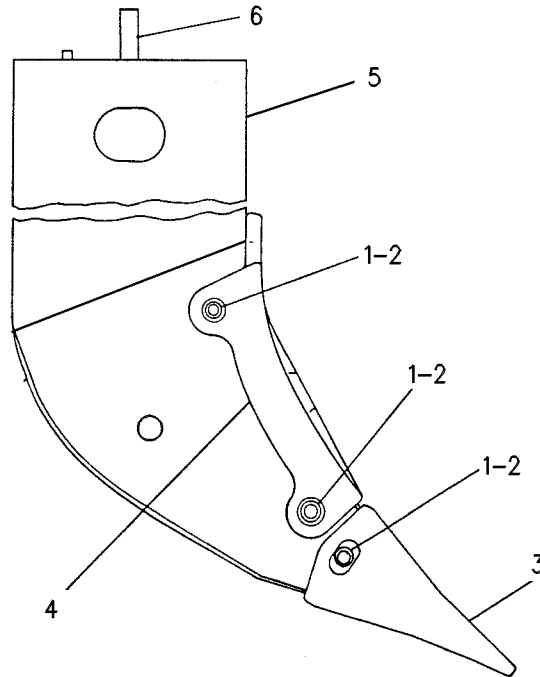
S/N: AKA1-UP
DEEP RIPPING SHANK

SMCS-6808, 6810

i01256394

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	6Y-3394	3	PIN-G.E.T.						
C	2	1	8E-4743	3	RETAINER-G.E.T.						
	3	1	9W-2451	1	TIP-RIPPER						
	4	1	8E-1848	1	PROTECTOR						
C	5	1	8E-5340	1	SHANK AS-RIPPER						
	6	1	3G-5596	1	LUG						

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1

g00247217

OPERATOR STATION

169-9648 BOTTLE GP-WINDOW WASHER-WINDSHIELD WASHER

S/N: AKA1-UP

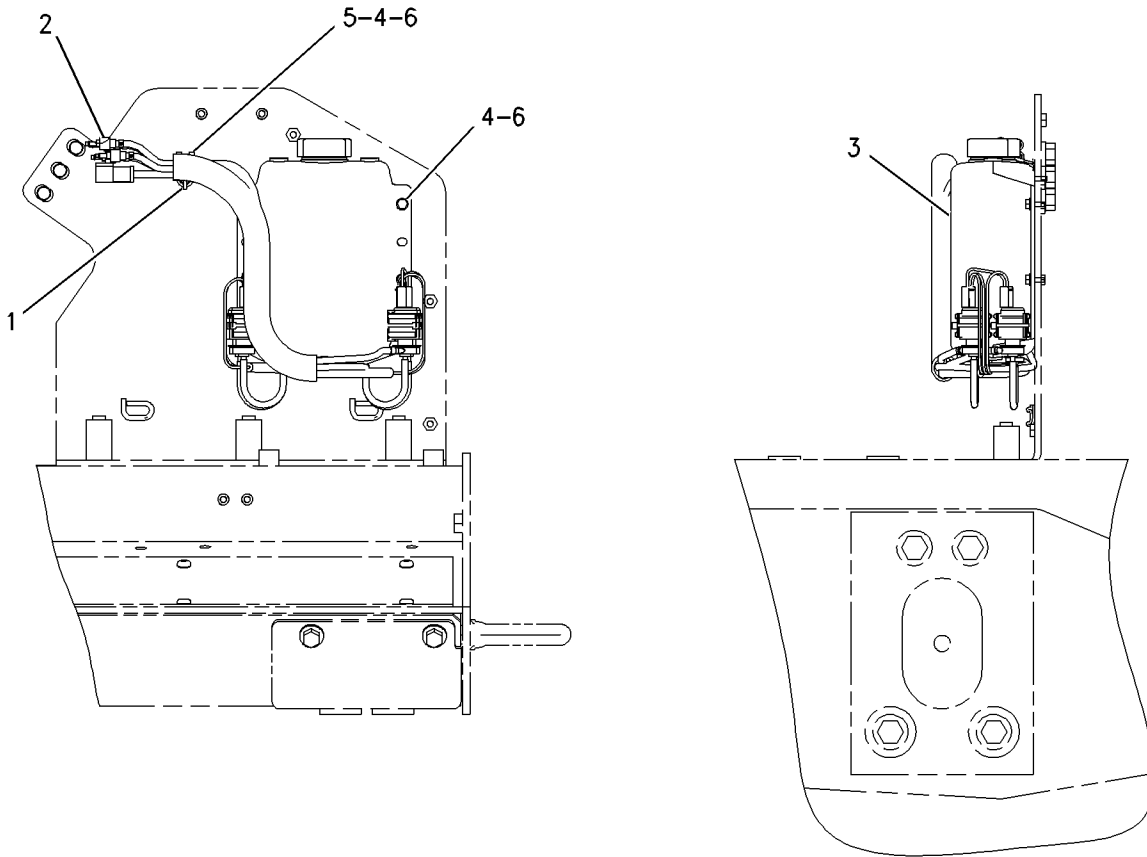
PART OF 159-8367 CAB AR

SMCS-7306

i01477644

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3S-2093	1	STRAP - CABLE						
	2	1	8T-5383	4	VALVE AS-CHECK (WIPER/WASHER SYSTEM)						
Y	3	1	169-9649	1	BOTTLE GP-WINDOW WASHER						742
	4	1	4M-5281	5	BOLT (1/4-20X0.750 IN)						
	5	1	4P-8134	1	CLIP						
	6	1	8T-4205	5	WASHER-HARD (7.2X14.5X2MM THK)						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g00672058

OPERATOR STATION

159-7301 COMPRESSOR GP-REFRIGERANT

S/N: AKA1-UP

PART OF 158-2959, 158-2960, 158-6439 AIR CONDITIONER AR

SMCS-1802

i01498006

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2S-9506	1	V-BELT (AIR CONDITIONER COMPRESSOR)						
Y	2	1	3E-1906	1	COMPRESSOR GP-REFRIGERANT						749
	3	1	8S-5383	1	BLOCK						
	4	1	198-7464	1	BRACKET						
	5	1	200-3908	1	SUPPORT-COMPRESSOR						
	6	1	200-3909	1	BRACKET AS						
		1	7T-1099	2	LINK						
	7	1	1S-4698	1	ROD						
	8	1	4L-9337	7	BOLT (3/8-16X1.5 IN)						
	9	1	5P-2424	1	BOLT (1/2-13X2.25 IN)						
	10	1	5P-2566	1	BOLT (1/2-13X1.5 IN)						
	11	1	6V-8188	3	NUT (1/2-13 THD)						
	12	1	6V-8801	5	NUT (3/8-16 THD)						
	13	1	7C-7595	1	BRACKET						
	14	1	7X-0328	2	BOLT (1/2-13X3.50 IN)						
	15	1	7X-0345	1	BOLT (5/8-11X1.75 IN)						
	16	1	7X-0448	2	NUT (5/8-11 THD)						
	17	1	7X-0515	1	WASHER-HARD (17X35X5MM THK)						
	18	1	8N-3525	1	SPACER (14.3X17.5X17.5MM THK)						
	19	1	8T-4223	10	WASHER-HARD (13.5X25.5X3MM THK)						
	20	1	8T-4896	12	WASHER-HARD (10.2X18.5X2.5MM THK)						
	21	1	8T-8917	1	BOLT (1/2-13X1.25 IN)						
	22	1	8T-8919	2	BOLT (1/2-13X1.75 IN)						

Y-SEPARATE ILLUSTRATION

OPERATOR STATION

156-7409 COVER GP-CONSOLE

S/N: AKA1-UP

PART OF 159-8367 CAB AR

SMCS-5258

i01447117

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9N-0869	2	WASHER-HARD (8.8X25.5X2MM THK)						
	2	1	6Y-0206	4	RETAINER						
	3	1	7D-6922	6	LOCKNUT						
	4	1	7G-4824	2	STRAP						
	5	1	8E-7791	2	STRAP						
	6	1	8Y-5746	1	ASHTRAY						
	7	1	8Y-6388	3	LOUVER AS						
M	8	1	7Y-7389	2	SCREW (M5X0.8X16MM)						
	9	1	161-3611	1	PLATE						
	10	1	9X-2038	6	WASHER (7X19X2MM THK)						
	11	1	159-9202	1	SEAL						
	12	1	159-7948	1	FLOOR MAT						
	13	1	159-7949	1	FLOOR MAT						
	14	1	159-7945	1	PANEL-ACOUSTICAL						
	15	1	159-3961	1	PANEL-ACOUSTICAL						
	16	1	159-7943	1	PANEL-ACOUSTICAL						
	17	1	159-7946	1	PANEL-ACOUSTICAL						
	18	1	170-5849	1	SHROUD AS						
		1	170-5851	1	LINER-FOAM						
		1	170-5852	1	LINER-FOAM						
		1	170-5853	1	LINER-FOAM						
	19	1	159-3568	1	COVER AS						
		1	114-9125	1	HOLDER-CUP						
	20	1	156-7410	1	COVER AS						
	21	1	159-8107	1	COVER						
	22	1	159-8108	1	COVER						
	23	1	159-8109	1	COVER						
	24	1	111-5147	6	SCREW-MACHINE (6-32 X .625IN)						
BE	25	1	124-3243		SEAL (56CM)						
	26	1	5P-4116	4	WASHER-HARD (8.8X20.5X2MM THK)						
	27	1	161-4024	2	BOOT						
M	28	1	8T-4189	4	BOLT (M8X1.25X20MM)						
M	29	1	9X-2043	8	SCREW-TRUSS HEAD (M6X1X14MM)						
M	30	1	9X-2045	9	SCREW-TRUSS HEAD (M6X1X20MM)						

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

OPERATOR STATION

156-1667 INSTRUMENT GP

S/N: AKA1-UP

OPEN ROPS

PART OF 157-0819 CHASSIS AR

SMCS-7450, 7451

i01497213

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3E-0109	1	PLUG-ROCKER SWITCH						
	2	1	3S-2093	18	STRAP-CABLE						
	3	1	083-9527	1	SPACER						
	4	1	110-6109	1	KNOB-CONTROL						
	5	1	116-6203	1	RESISTOR AS						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2 PIN)						
		1	8T-8729	2	PIN-CONNECTOR						
	6	1	122-7127	6	NUT						
	7	1	123-0304	1	INDICATOR AS						
		1	115-1748	1	LAMP (24 VOLT)						
		1	123-0306	1	SOCKET AS						
	8	1	123-9294	4	LAMP (28 VOLT)						
	9	1	133-9405	4	SWITCH AS-PUSH BUTTON (EACH INCLUDES)						
		1	3E-3371	1	WEDGE-RECEPTACLE LOCK (3 PIN)						
		1	3K-0835	1	NUT (5/8-24 THD)						
		1	6F-0253	1	LOCKWASHER						
		1	8T-8729	3	PIN-CONNECTOR						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	10	1	142-8858	1	SWITCH AS-KEY START						
		1	167-1530	1	NUT						
	11	1	156-6288	1	PANEL AS-INSTRUCTION						
	12	1	157-2741	1	GUARD-VANDALISM						
	13	1	159-4712	1	FILM-IDENTIFICATION						
	14	1	159-4714	1	FILM-IDENTIFICATION						
	15	1	159-9257	1	LIGHT-DASH PANEL						
	16	1	164-0847	1	CABLE						
	17	1	164-9929	1	FILM-IDENTIFICATION						
Y	18	1	166-6928	1	MODULE GP-QUAD GAUGE						799
Y	19	1	168-0369	1	MODULE GP-DISPLAY						254
	20	1	175-1349	1	PLATE						
	21	1	175-3950	1	SWITCH AS (LIGHTS)						
		1	102-8806	1	KIT-RECEPTACLE (8 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
		1	3E-3389	1	WEDGE-RECEPTACLE LOCK						
		1	9W-0852	7	PIN-CONNECTOR						
	22	1	178-3003	1	COVER						
	23	1	184-7766	1	CONTROL GP-MONITOR (CATERPILLAR MONITORING SYSTEM)						
	24	1	185-3533	7	CLIP						
	25	1	186-5097	1	ROD						
	26	1	186-5099	1	LOCK AS						
	27	1	194-1466	1	CLIP						
	28	1	199-9797	1	HARNESS AS (INSTRUMENT)						
		1	102-8802	1	KIT-RECEPTACLE (2 PIN)						
		1	102-8803	1	KIT-RECEPTACLE (3 PIN)						
		1	102-8804	2	KIT-RECEPTACLE (4 PIN)						
		1	102-8806	1	KIT-RECEPTACLE (8 PIN) (EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS & WEDGE)						
		1	155-2265	1	KIT-CONNECTING PLUG (8 PIN)						
		1	155-2260	7	KIT-CONNECTING PLUG (3 PIN)						

OPERATOR STATION

161-1096 LINER GP-CAB

S/N: AKA1-UP

PART OF 158-7695 LINER GP-CAB

SMCS-7329

i01475159

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	3E-6389	1	LAMP GP-DOME (24 VOLT) (WITH SWITCH)						229
	2	1	3S-2093	11	STRAP-CABLE						
M	3	1	7Y-7388	4	SCREW-BUTTON HEAD (M5X0.8X12MM)						
	4	1	6T-7695	2	SPEAKER AS-RADIO						
	5	1	8T-4752	4	NUT (M5X0.8-6H THD)						
	6	1	9U-9942	1	FILM-IDENTIFICATION						
	7	1	101-3055	2	COVER-SPEAKER						
	8	1	131-5137	1	PLUG						
	9	1	161-1097	1	HEADLINER-REAR						
	10	1	161-1099	1	PLATE						
	11	1	166-3733	11	NUT-SPEED						
	12	1	169-9636	1	HARNESS AS						
	13	1	103-9425	11	SCREW-MACHINE (8-32X1 IN)						
	14	1	3T-6655	1	SWITCH AS-ROTARY (WIPER/WASHER) (RH DOOR)						
	15	1	3T-6655	1	SWITCH AS-ROTARY (WIPER/WASHER) (LH DOOR)						
	16	1	3T-6655	1	SWITCH AS-ROTARY (WIPER/WASHER) (FRONT)						
	17	1	3T-6655	1	SWITCH AS-ROTARY (WIPER/WASHER) (REAR)						
					(EACH SWITCH AS INCLUDES)						
		1	7T-9302	1	KNOB						
		1	2H-3920	1	LOCKWASHER						
		1	6V-8369	1	NUT (7/16-28 THD)						

M-METRIC PART
Y-SEPARATE ILLUSTRATION

OPERATOR STATION

159-3969 LINES GP-AIR CONDITIONER

S/N: AKA1-UP

PART OF 158-2959 AIR CONDITIONER AR

SMCS-1808

i01445771

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	1P-6356	1	PLATE	
	2	1	3E-3535	1	RECEIVER DRYER AS (AIR CONDITIONER)	
		1	7X-2049	1	TUBE AS-REFRIGERANT ORIFICE	
	3	1	3S-2093	4	STRAP-CABLE	
	4	1	7T-9426	2	GROMMET	
	5	1	8C-5682	1	TEE	
	6	1	9X-6772	2	STRAP-CABLE	
	7	1	103-6100	2	COUPLER AS-QUICK (EACH INCLUDES)	
		1	9X-7382	2	SEAL-O-RING	
I	8	1	111-7266	1	HOSE AS	
I	9	1	114-0929	1	HOSE AS	
	10	1	114-5333	1	SWITCH AS-PRESSURE	
		1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
		1	8T-8729	2	PIN-CONNECTOR	
	11	1	116-6202	2	BOOT	
	12	1	162-8053	1	BRACKET	
I	13	1	162-8054	1	HOSE AS	
	14	1	166-0266	1	HOSE AS	
	15	1	169-5452	2	U-BOLT	
	16	1	179-2891	1	FITTING AS-AIR CONDITIONER	
	17	1	186-6189	1	ACCUMULATOR-REFRIGERANT	
I	18	1	199-4066	1	HOSE AS	
	19	1	106-8704	1	SUPPRESSOR AS-ARC	
		1	102-8802	1	KIT-RECEPTACLE (2 PIN) (INCLUDES RECEPTACLE AS & WEDGE)	
		1	8T-8729	2	PIN-CONNECTOR	
	20	1	109-1633	1	CLIP (SLOT)	
	21	1	109-1634	1	CLIP (TAB)	
	22	1	188-5145	1	TUBE	
	23	1	1P-7009	1	CLIP	
	24	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)	
	25	1	4D-7735	1	CLIP	
	26	1	4P-8134	2	CLIP	
	27	1	5F-4899	1	BOLT (3/8-16X5.5 IN)	
	28	1	5M-3062	4	BOLT (3/8-16X0.75 IN)	
	29	1	5P-1075	8	WASHER-HARD (10.2X22.5X3MM THK)	
	30	1	5S-7383	3	BOLT (3/8-16X1.75 IN)	
	31	1	6D-4636	2	CLIP	
	32	1	6V-2372	1	ELBOW-BARBED	
	33	1	6V-8801	5	NUT (3/8-16 THD)	
	34	1	7T-8894	1	GROMMET	
	35	1	7T-9793	1	VALVE (CHECK)	
	36	1	8T-4896	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
M	37	1	8T-6466	1	BOLT (M10X1.50X60MM)	
	38	1	9M-8406	3	CLIP	
	39	1	9X-7378	1	SEAL-O-RING	
	40	1	9X-7380	3	SEAL-O-RING	
	41	1	9X-7381	3	SEAL-O-RING	
	42	1	9X-7382	2	SEAL-O-RING	
	43	1	9X-7383	2	SEAL-O-RING	
	44	1	9X-7385	2	SEAL-O-RING	
BD	45	1	5P-6129		TUBE	

OPERATOR STATION

117-1881 MOTOR AS-WINDOW WIPER

S/N: AKA1-UP

24 VOLT

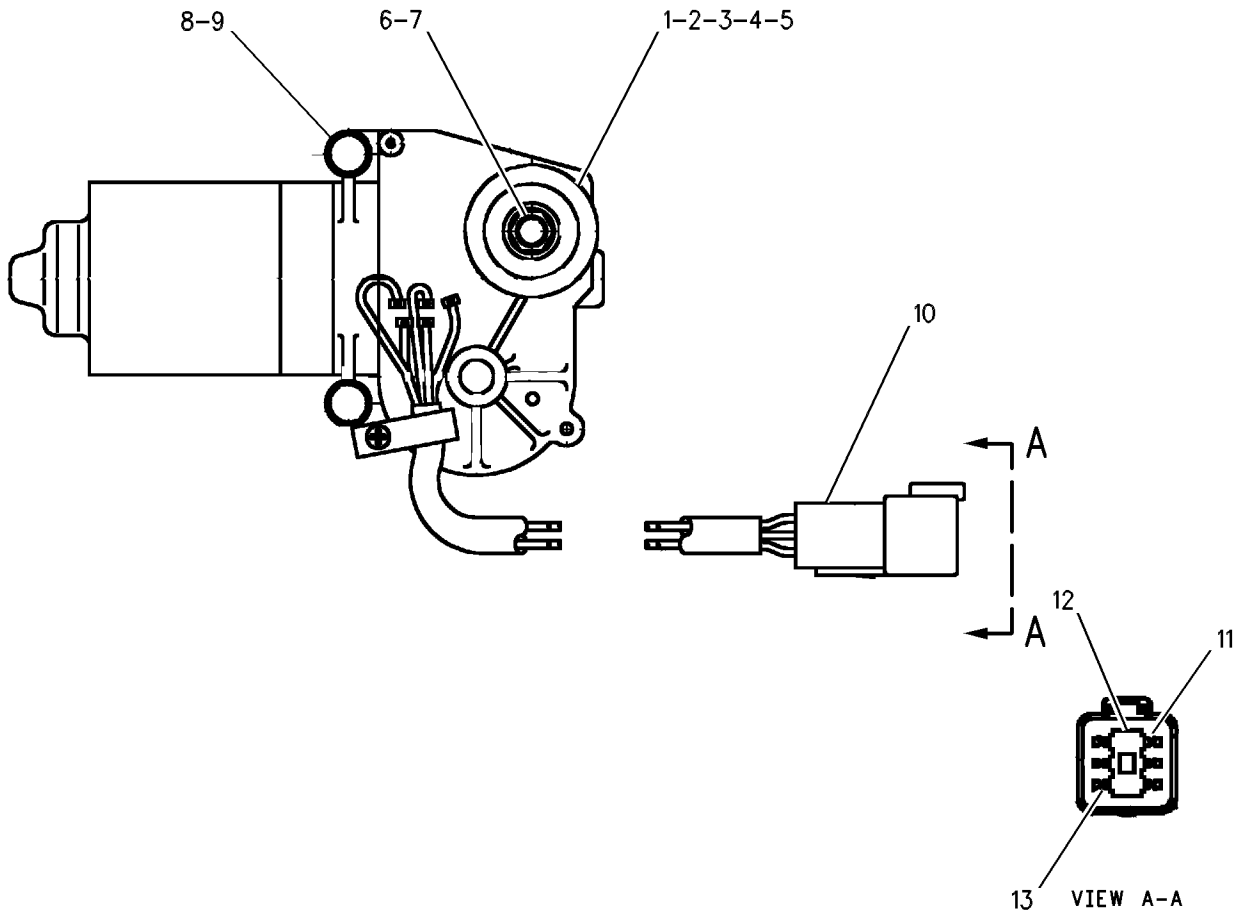
PART OF 158-7691 WIPER GP-WINDOW

SMCS-7305

i01094906

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7T-9096	1	CAP						
	2	1	5C-8814	1	SEAL						
	3	1	6A-9708	1	NUT						
	4	1	6A-9709	1	WASHER						
	5	1	6A-9710	1	WASHER (LEATHER)						
M	6	1	6V-6889	1	NUT (M8X1.25 THD)						
	7	1	6A-9718	1	WASHER						
M	8	1	5C-9553	2	BOLT (M6X1.0X16MM)						
	9	1	5P-0537	2	WASHER (2MM THK)						
	10	1	102-8805	1	KIT-RECEPTACLE (6 PIN) (INCLUDES RECEPTACLE AS & WEDGE)						
	11	1	8T-8737	1	PLUG-SEAL						
	12	1	3E-3383	1	WEDGE-RECEPTACLE LOCK						
	13	1	8T-8729	5	PIN-CONNECTOR						

M-METRIC PART



GRAPHIC #1

g00535254

OPERATOR STATION

178-0605 PAN GP-BACKREST

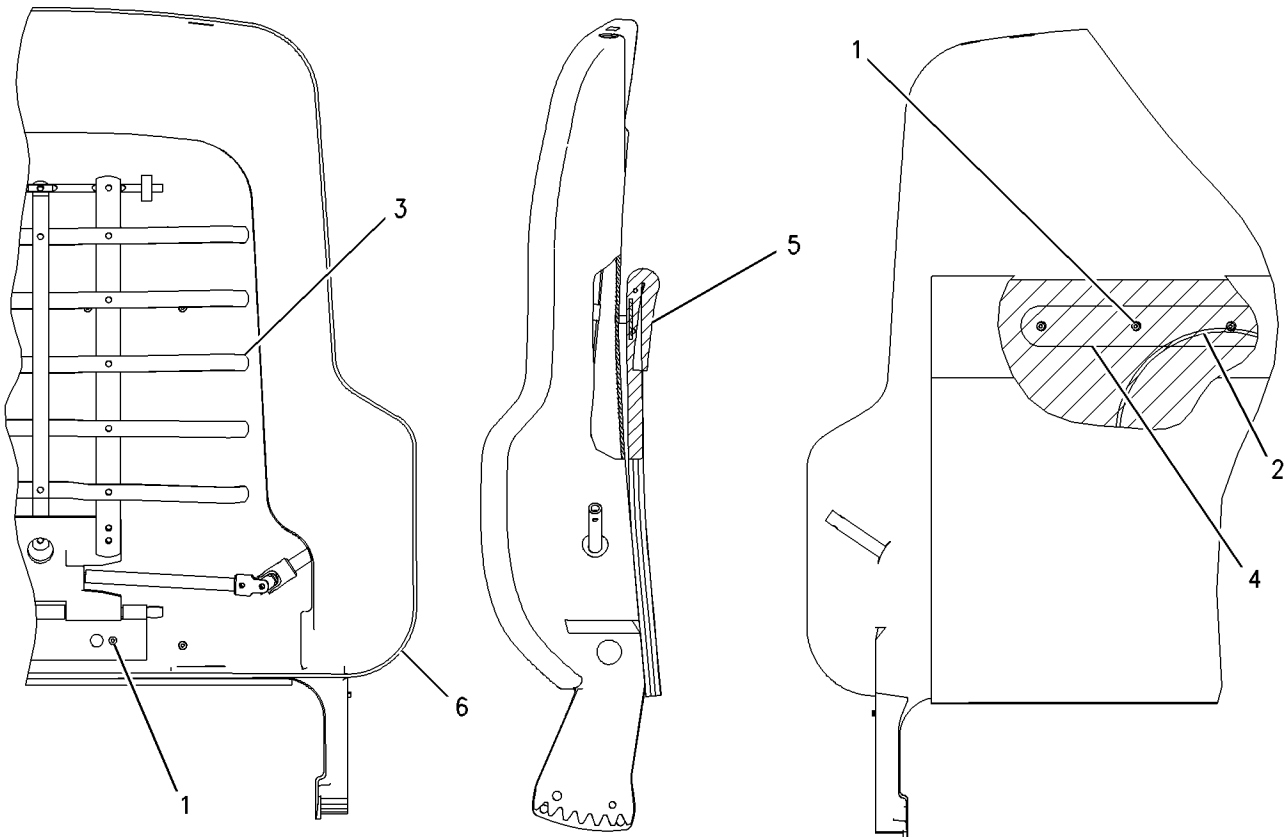
S/N: AKA1-UP

PART OF 178-0604, 180-7305 PAN GP-SEAT

SMCS-7312

i01437598

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	



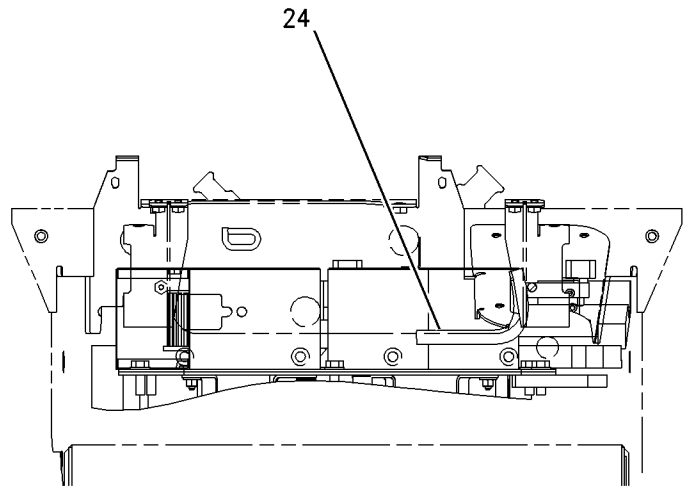
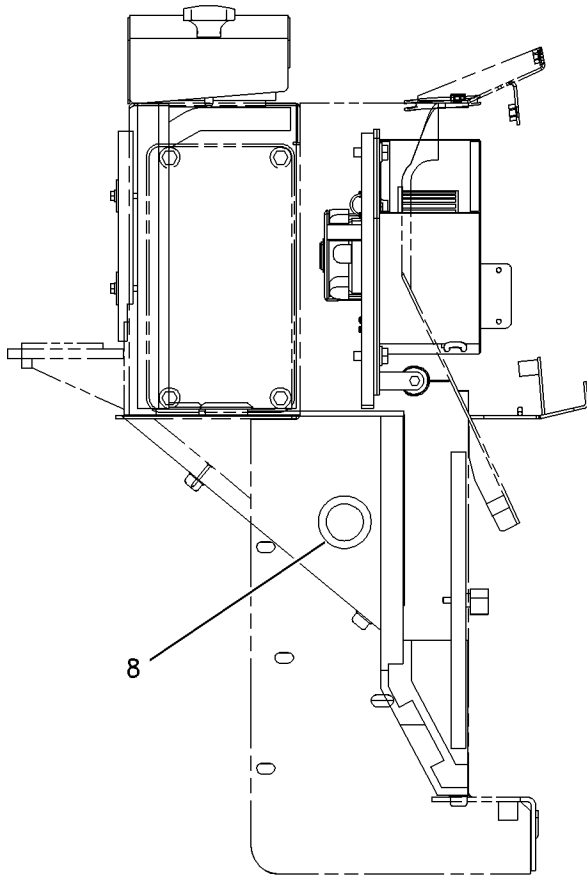
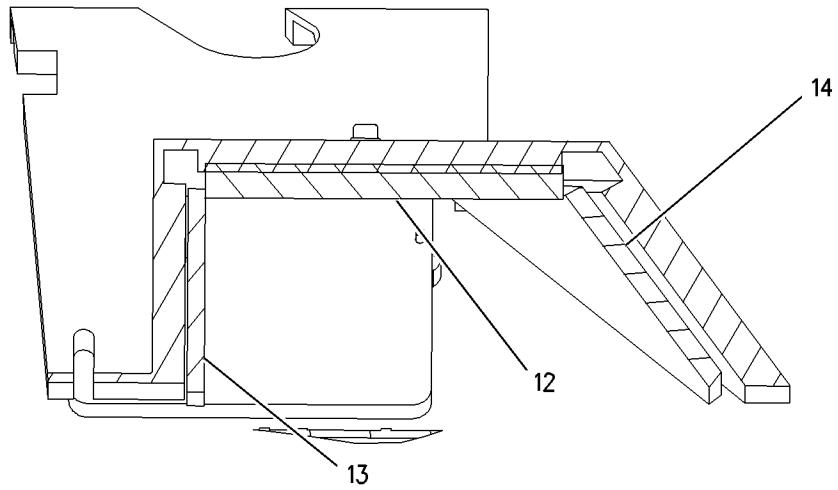
GRAPHIC #1

g00716497

OPERATOR STATION

159-0725 PRESSURIZER GP-CAB (contd.)

i01447129



OPERATOR STATION

160-6521 SEAT GP

S/N: AKA1-UP

PART OF 157-0819 CHASSIS AR

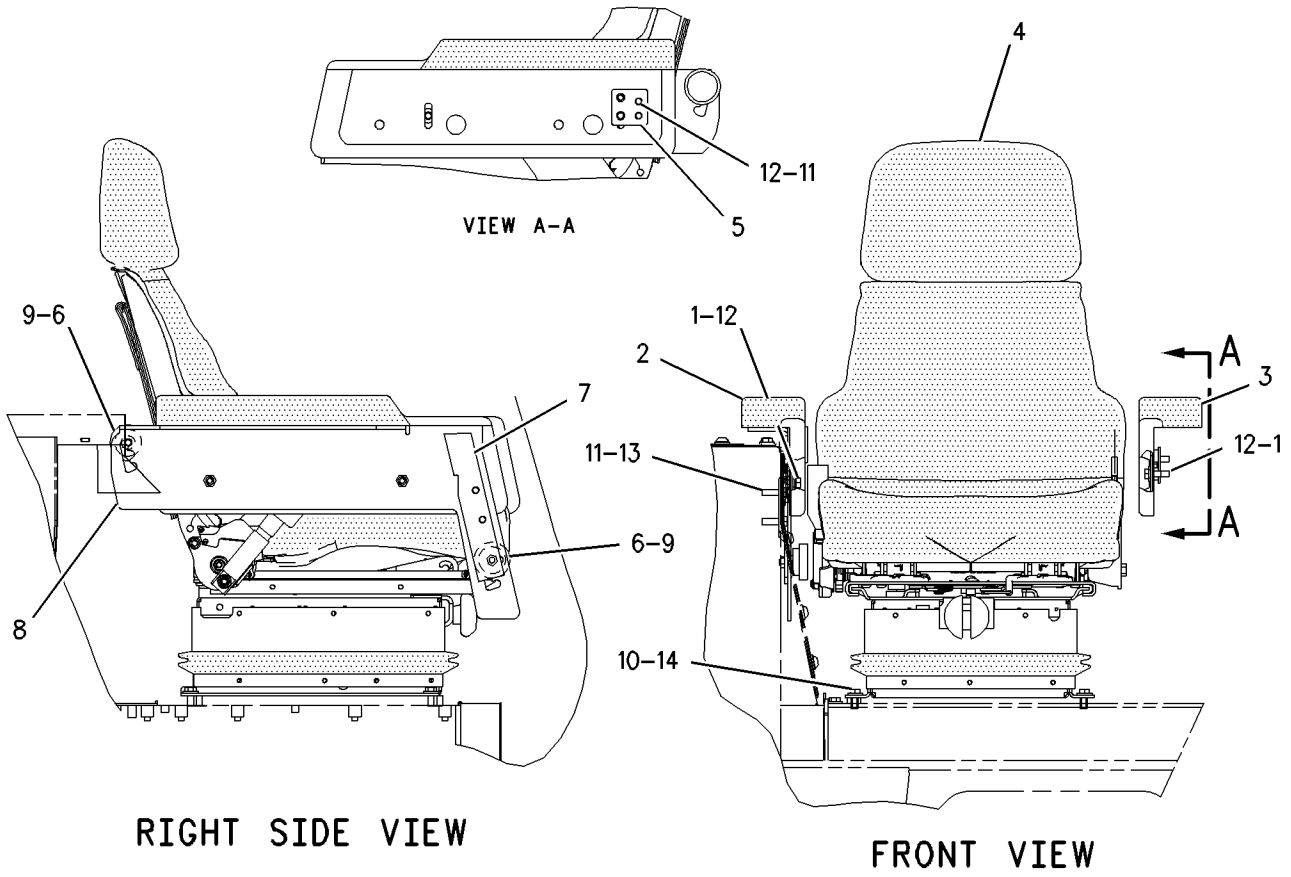
SMCS-7312

i01437122

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-8829	4	WASHER-HARD (12.5X24X3MM THK)						
	2	1	126-3700	1	ARMREST AS						
	3	1	126-3701	1	ARMREST AS						
Y	4	1	159-2950	1	SEAT GP-SUSPENSION						839
	5	1	163-3286	1	BRACKET AS						
	6	1	184-1503	2	KNOB (ARMREST ADJUSTMENT)						
	7	1	184-3269	1	PLATE AS						
	8	1	184-3270	1	PLATE AS						
	9	1	5P-1075	2	WASHER-HARD (10.2X22.5X3MM THK)						
	10	1	7X-7729	4	WASHER (11X25X3MM THK)						
	11	1	8T-4121	4	WASHER-HARD (11X21X2.5MM THK)						
M	12	1	8T-4137	6	BOLT (M10X1.5X20MM)						
M	13	1	8T-4196	2	BOLT (M10X1.5X35MM)						
M	14	1	9X-2125	4	BOLT-LOCKING (M10X1.5X25MM)						

M- METRIC PART

Y- SEPARATE ILLUSTRATION



GRAPHIC #1

g00743940

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