

# Parts Manual



See "General Information"  
for New Parts Manual  
Features.

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## 950H Wheel Loader

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N1A1-Up (Machine)  
KHX1-Up (Engine)  
FAH1-Up (Transmission)  
FAK1-Up (Transmission)  
CJF1-Up (Torque Converter)

**Powered By C7 Engine**

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\* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION

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\* TRADUÇÃO NÃO DISPONÍVEL NO MOMENTO DA IMPRESSÃO

## 4. TABLE DES MATIÈRES

### Nouvelle Caractéristique

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

## 5. INDEX DES PIÈCES D'ENTRETIEN

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

## 6. INDEX

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

## 7. INDEX DES NUMÉROS DE PIÈCES

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

## 8. LÉGENDES

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

### Nouvelle Caractéristique

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

## 9. PIÈCES NON FOURNIES

### Nouvelle Caractéristique

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

## 10. NUMÉROS DE RÉFÉRENCE DE LA LISTE DES PIÈCES

### Nouvelle Caractéristique

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

## 11. DÉSIGNATIONS DE PIÈCES EN RETRAIT

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

## 12. LETTRES DE RÉFÉRENCE DES ILLUSTRATIONS

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



# SUPPLEMENTAL COOLANT ADDITIVES

## CUSTOMER BENEFITS:

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

- Provides measured coolant conditioner.

## DESCRIPTION:

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

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

## NOTE:

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

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

## NOTE:

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

## PARTS NEEDED:

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

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

( ) Indicates quantity required.

# PIÈCES DE RECHANGE

DESCRIPTION	NUMÉRO DE PIÈCES	QTÉ	DOMAINE D'APPLICATION	PAGE
LENTILLE (ENS) (JAUNE) (CLIGNOTANT DE DIRECTION)	136-3848	1	LAMPE - PHARE ET CLIGNOTANT	156
		1	LAMPE - PHARE ET CLIGNOTANT	158
LENTILLE (ENS) (PHARE AVANT) (FEUX DE ROUTE/FEUX DE CROISEMENT)	100-3248	1	LAMPE - PHARE ET CLIGNOTANT	158
		1	LAMPE - PHARE ET CLIGNOTANT	156
LENTILLE (JAUNE) (CLIGNOTANT DE DIRECTION)	100-3250	1	LAMPE - PHARE ET CLIGNOTANT	156
		1	LAMPE - PHARE ET CLIGNOTANT	158
LENTILLE ORANGE (SIGNAL)	9X-3066	1	LAMPE - CLIGNOTANT DE DIRECTION (ASS)	160
<b>CIRCUIT HYDRAULIQUE</b>				
BOUCHON DE GOULOTTE DE REMPLISSAGE (RÉSERVOIR HYDRAULIQUE)	7H-1447	1	RÉSERVOIR HYDRAULIQUE (ASS)	645
BOUCHON DE VIDANGE	9J-7031	1	SOUPAPE DE VIDANGE	677
CREPINE (ENS) (REPLISSAGE DE RÉSERVOIR HYDRAULIQUE)	5D-7927	1	RÉSERVOIR HYDRAULIQUE (ASS)	645
ÉCRAN	6E-5066	1	COLLECTEUR - SOUPAPE (ASS)	631
		1	COLLECTEUR - SOUPAPE (ASS)	633
ÉCRAN (COLLECTEUR DE DISTRIBUTEUR)	6E-5066	1	COLLECTEUR - COMMANDE (ASS)	629
ÉCRAN (ENS) (RÉSERVOIR HYDRAULIQUE)	9T-9227	2	RÉSERVOIR HYDRAULIQUE (ASS)	645
ÉLÉMENT DE FILTRE À HUILE (ENS) (HYDRAULIQUE)	225-4118	1	FILTRE A HUILE (ASS)	590
FILTRE À HUILE (ENS)	144-0832	1	FILTRE A HUILE (ASS)	591
<b>MATÉRIEL ET FOURNITURES D'ENTRETIEN</b>				
CADENAS (ASS)	246-2641	3	PROTECTION ANTIVANDALISME (ASS)	947
<b>POSTE DE CONDUITE</b>				
ACCUMULATEUR - CLIMATISEUR (ASS)	186-6189	1	CANALISATIONS DE CLIMATISEUR (ASS)	847
BALAI D'ESSUIE-GLACE (ENS)	6V-7419	2	ESSUIE-GLACE (ASS)	932
CEINTURE DE SECURITE (ASS)	236-7019	1	SIÈGE AVEC SUSPENSION (ASS)	909
	258-8372	1	*SEAT BELT & LIGHTING GP	903
CLAVETTE - POIGNÉE	3V-7476	1	CONDUIT ET FILTRE À AIR (ASS)	821
COURROIE MULTIPLE	253-4531	1	COMPRESSEUR DE REFRIGERANT (ASS)	810
FILTRE À AIR DE CABINE	7X-6041	2	CONDUIT ET FILTRE À AIR (ASS)	821
FUSIBLE (15A)	133-9012	1	CHAUFFAGE DE CABINE (ASS)	834
		1	CLIMATISEUR (ASS)	800

\* TRADUCTION NON DISPONIBLE AU MOMENT DE LA PUBLICATION

# WARTUNGSTEILE

BESCHREIBUNG	ERSATZTEIL- NUMMER	MENGE	VERWENDET IN	SEITE
<b>ELEKTRISCHE ANLAGE U. STARTSYSTEM</b>				
ABDECKGLAS (FRONTSCHINWERFER) (FERNLICHT/ABBLENDLICHT)	100-3248	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	158
		1	SCHEINWERFER U. RICHTUNGSLEUCHTE	156
ABDECKGLAS (GELB) (FAHRTRICHTUNGSANZEIGER)	100-3250	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	156
		1	SCHEINWERFER U. RICHTUNGSLEUCHTE	158
	136-3848	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	156
		1	SCHEINWERFER U. RICHTUNGSLEUCHTE	158
ABDECKGLAS (GELB) (SIGNAL)	9X-3066	1	BLINKLEUCHTE	160
BELEUCHTUNGSANLAGE (SICHERHEITSSCHALTER)	259-5588	2	SCHEINWERFER, HINTEN	165
BLINKER (24 V)	217-8166	1	RICHTUNGSSIGNALSCHALTER	226
		1	RICHTUNGSSIGNALSCHALTER	228
ELEKTRONISCHER SCHLÜSSEL (SICHERHEIT)	206-5162	2	SICHERHEITSEINBAUSATZ	149
HALOGENSCHINWERFER (24V)(65W)	9X-3463	1	ARBEITSLEUCHTEN	154
HALOGENSCHINWERFER (24V)(65W) (ARBEITSSCHINWERFER)	9X-3463	1	ARBEITSLEUCHTEN	155
*LAMP AS-WARNING (SICHERHEITSGURT)	260-0955	1	RUNDUM-KENNLEUCHTE	180
LEUCHTE (12 V, 24 V, 35 W)	209-6638	1	ARBEITSLEUCHTEN	152
		1	ARBEITSLEUCHTEN	153
LEUCHTE (24 V)	7N-5876	4	FAHRERHAUSVERDRAHTUNG	241
	7N-9943	1	FAHRERHAUSBELEUCHTUNG	151
LEUCHTE (24 V) (FAHRLEUCHTE)	100-3245	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	158
LEUCHTE (24 V) (FAHRSCHINWERFER)	100-3245	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	156
LEUCHTE (24 V) (FAHRTRICHTUNGSANZEIGER)	100-3245	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	156
		1	SCHEINWERFER U. RICHTUNGSLEUCHTE	158
LEUCHTE (24 V, 5 W)	9X-4492	1	BREMS- UND RÜCKLEUCHTE	162
LEUCHTE (24 V, 70 W)	9X-7849	1	RUNDUM-KENNLEUCHTE	163
LEUCHTE (24 V, 75/70 W) (FERNLICHT/ABBLENDLICHT)	9X-3465	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	156
LEUCHTE (24 V, 75/70 W) (FERNLICHT/ ABBLENDLICHT)(RECHTS)	9X-3465	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	158
LEUCHTE (24V, 21W)	9X-4493	1	BREMS- UND RÜCKLEUCHTE	162
LEUCHTE (24V, 21W) (FAHRTRICHTUNGSANZEIGER)	9X-4493	1	SCHEINWERFER U. RICHTUNGSLEUCHTE	156
		1	SCHEINWERFER U. RICHTUNGSLEUCHTE	158
LEUCHTE (24V, 21W) (SIGNAL)	9X-4493	1	BLINKLEUCHTE	160
SERPENTINENFÖRMIGER RIEMEN	246-6296	1	DREHSTROMGENERATOR	124
SICHERUNG (10 A)	9W-1442	24	FAHRERHAUSVERDRAHTUNG	241
SICHERUNG (15 A)	9W-1441	6	FAHRERHAUSVERDRAHTUNG	241

\* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

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\* NO HAY TRADUCCION DISPONIBLE EN EL MOMENTO DE LA IMPRESION





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\* ÜBERSETZUNG ZUM ZEITPUNKT DER DRUCKLEGUNG NICHT VORHANDEN

# BASIC ENGINE

## 212-4289 CAMSHAFT GP

S/N: KHX1-UP

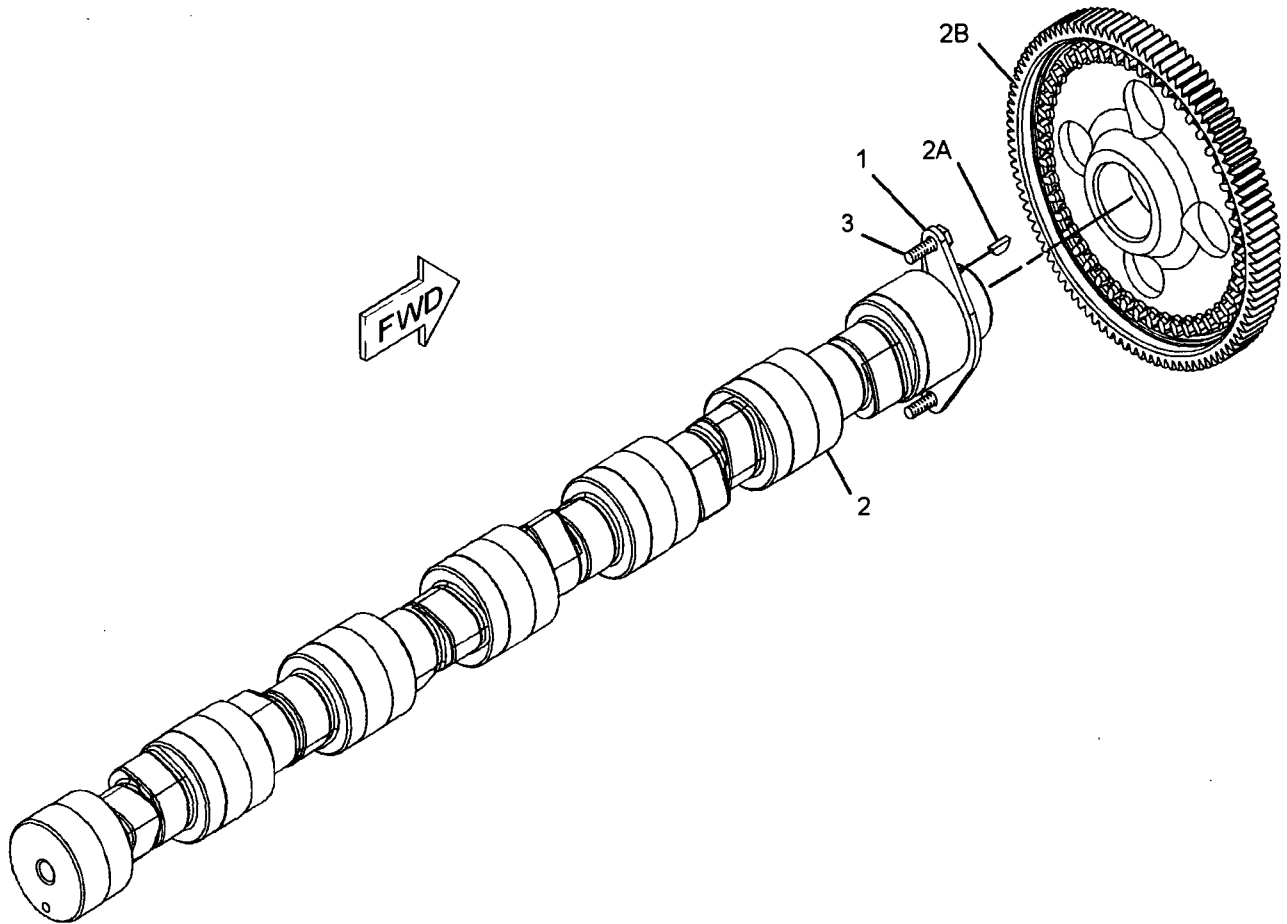
PART OF 235-1423 ENGINE AR-CORE

SMCS-1210, 1211, 1212

i02242048

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	107-7694	1	PLATE - THRUST						
	2	1	212-4288	1	CAMSHAFT AS						
	2A	1	1B-8705	1	KEY-WOODRUFF						
	2B	1	224-3247	1	GEAR (100-TEETH)						
M	3	1	6V-3940	2	BOLT (M8X1.25X25-MM)						

M-METRIC PART



GRAPHIC #1

<END>

g01099239

# BASIC ENGINE

## 221-4480 CYLINDER BLOCK GP

S/N: KHX1-UP

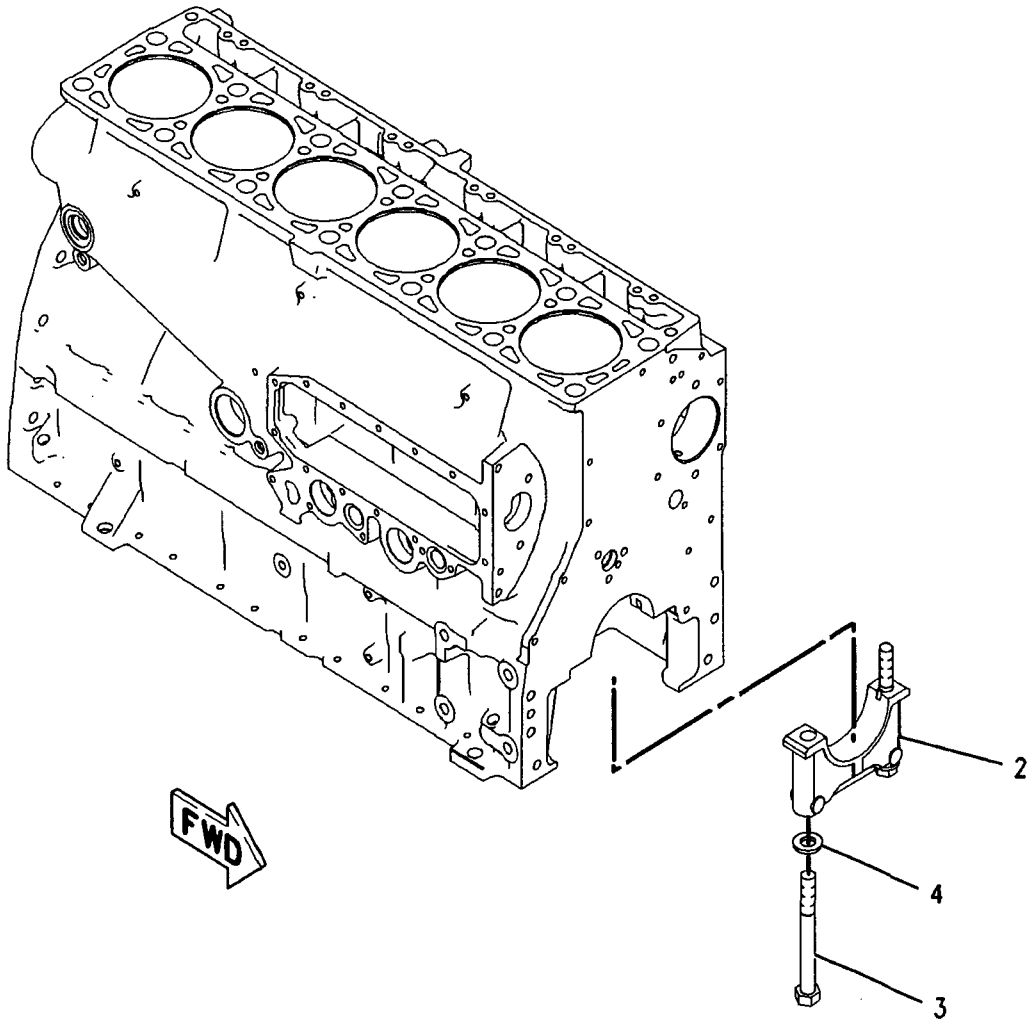
PART OF 221-4481 CYLINDER BLOCK GP

SMCS-1201

i01974590

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	2	1	7E-2968	7	CAP-CRANKSHAFT BEARING						
M	3	1	9X-8916	14	BOLT (M16X2.0X140MM)						
	4	1	5P-8247	14	WASHER-HARD (17X32X3.5MM THK)						

M-METRIC PART



GRAPHIC #1

<END>

g00948902

# BASIC ENGINE

## 218-0859 FASTENER GP-DAMPER

S/N: KHX1-UP

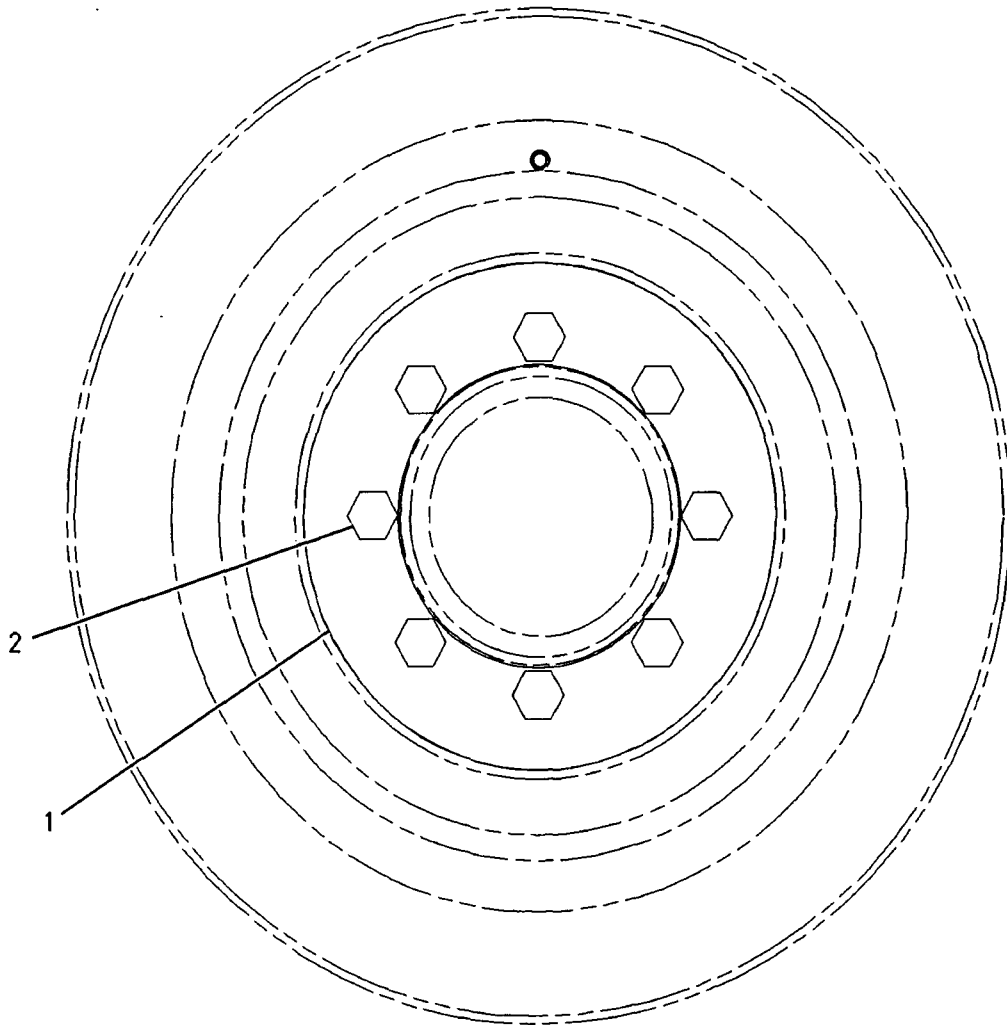
PART OF 235-1422 ENGINE AR-COMPLETE

SMCS-1205, 7553

102178303

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	228-3621	1	SPACER						
M	2	1	6V-4249	8	BOLT (M10X1.5X50-MM)						

M-METRIC PART



FRONT VIEW

GRAPHIC #1

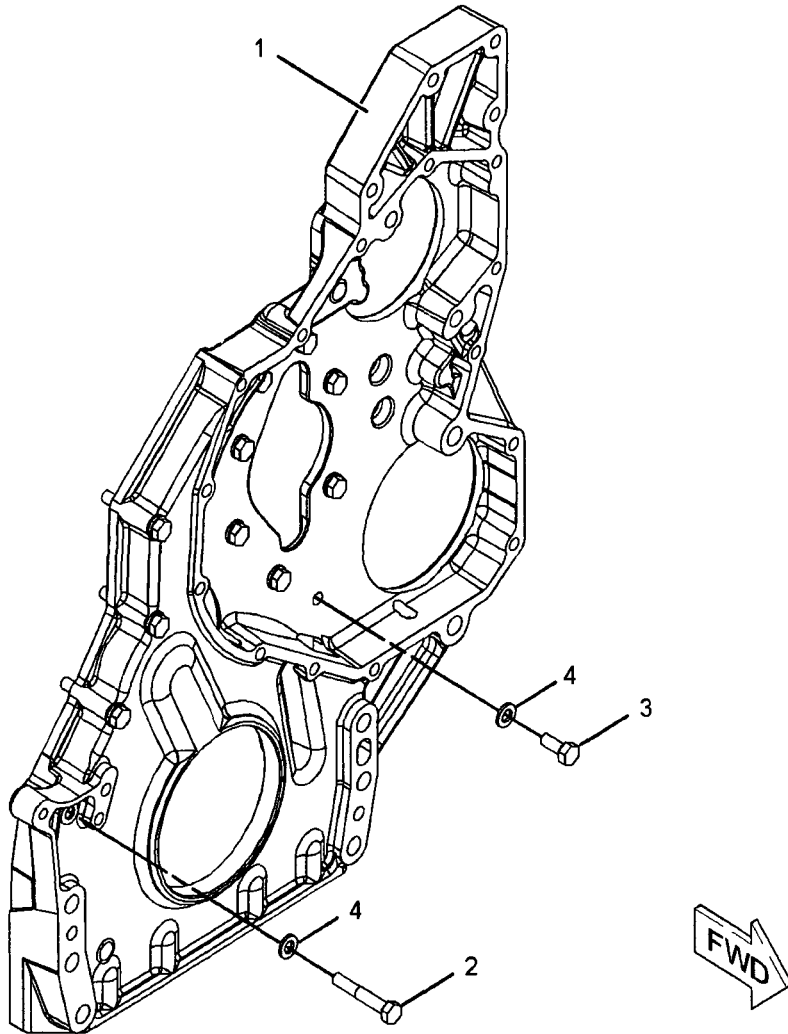
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g00919524

# BASIC ENGINE

165-4446 HOUSING GP-FRONT (contd.)

i02421336



GRAPHIC #1

<END>

g01212833

# BASIC ENGINE

## 162-8068 PLUG GP-ENGINE

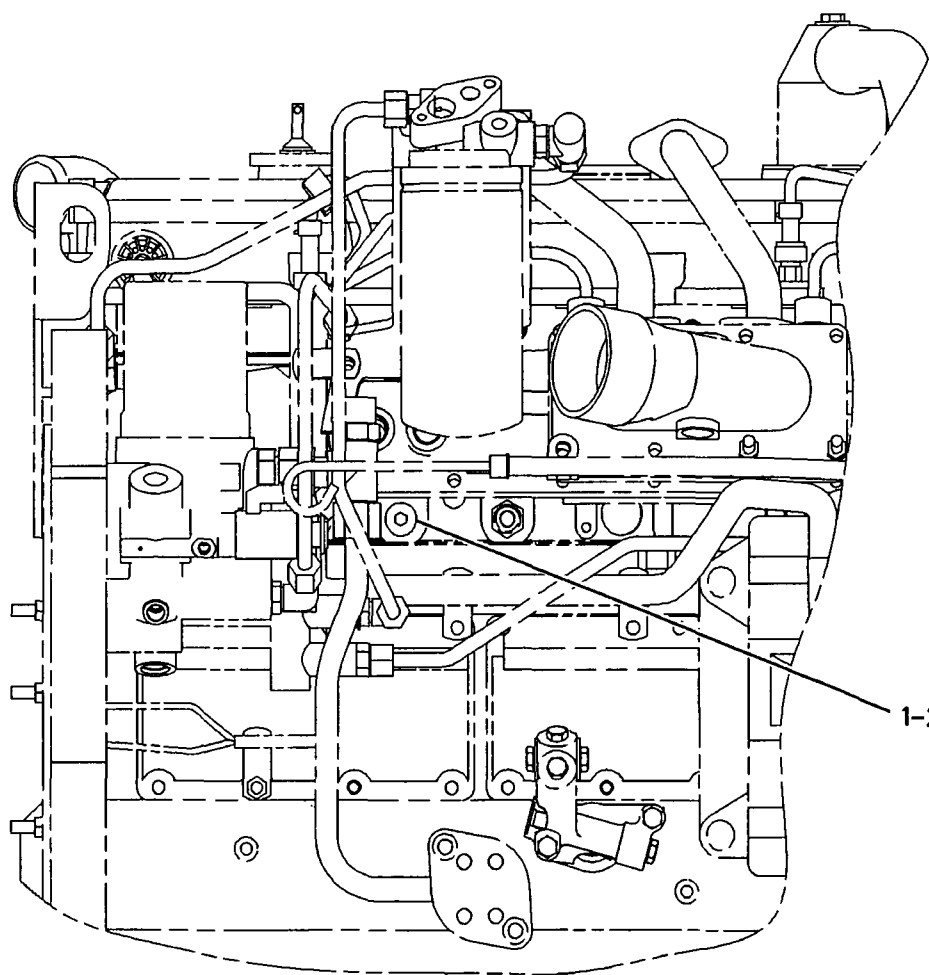
S/N: KHX1-UP

PART OF 235-1422 ENGINE AR-COMplete

SMCS-1000

101740907

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9S-8005	1	PLUG-O RING						
	2	1	3K-0360	1	SEAL-O-RING						



LEFT SIDE VIEW

GRAPHIC #1

<END>

g00891417

# LUBRICATION SYSTEM

## 189-5433 FILTER GP-ENGINE OIL

S/N: KHX1-UP

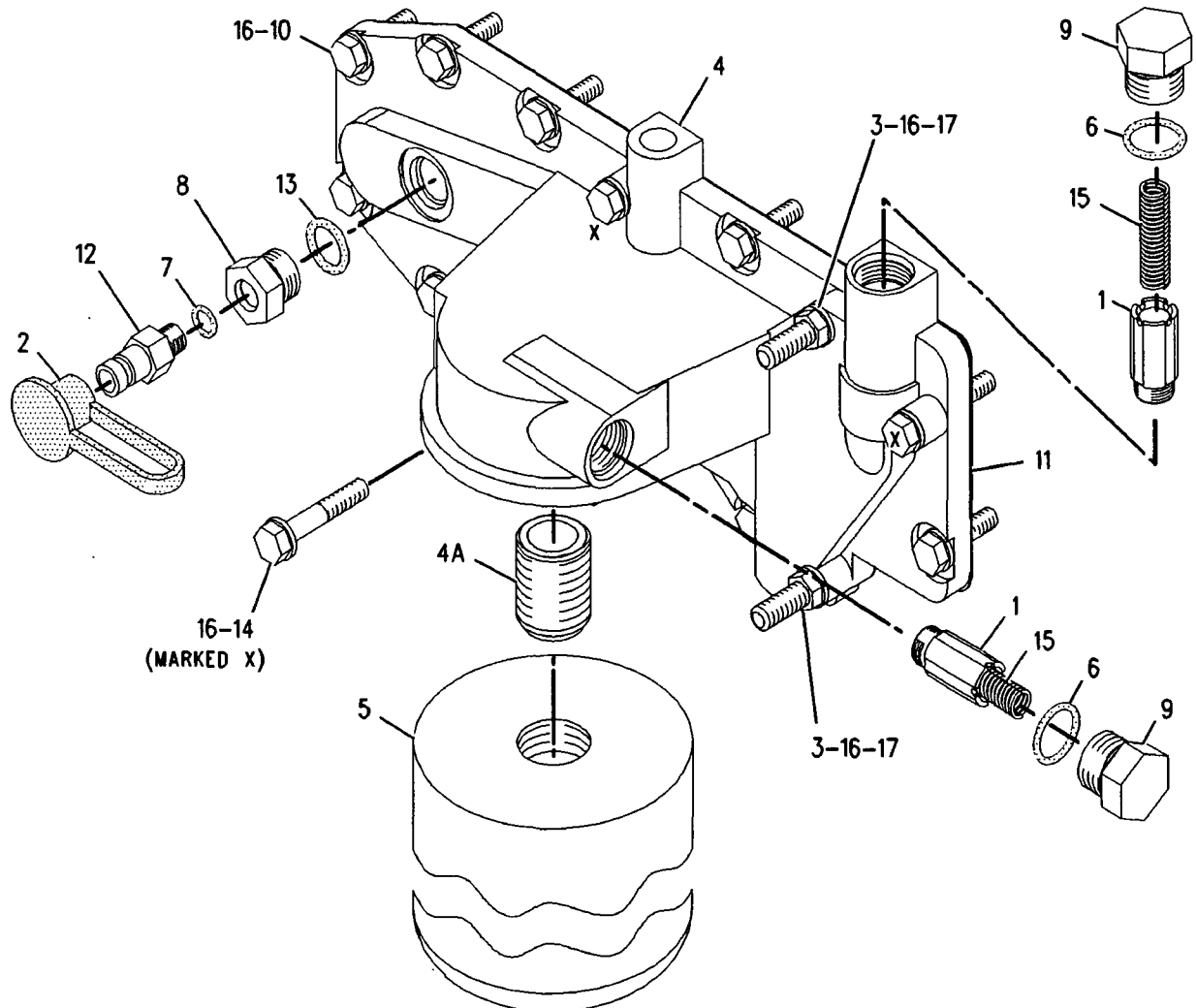
PART OF 235-1422 ENGINE AR-COMPLETE

SMCS-1306, 1308

i02086251

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7C-1493	2	VALVE AS-BYPASS (ENGINE OIL FILTER)						
	2	1	8C-3445	1	CAP-DUST						
	3	1	068-9526	2	CAP-TUBE						
	4	1	201-9774	1	BASE AS-OIL FILTER						
	4A	1	2P-2537	1	STUD-HOLLOW						
	5	1	1R-1807	1	FILTER AS-ENGINE OIL						
	6	1	2M-9780	2	SEAL-O-RING						
	7	1	3J-7354	1	SEAL-O-RING						
	8	1	3P-1932	1	ADAPTER						
M	9	1	5P-8196	2	PLUG						
M	10	1	6V-2317	10	BOLT (M8X1.25X30-MM)						
	11	1	233-7654	1	GASKET						
	12	1	8C-3446	1	VALVE-FLUID SAMPLING (ENGINE OIL)						
	13	1	8L-2786	1	SEAL-O-RING						
M	14	1	8T-0276	3	BOLT (M8X1.25X45-MM)						
	15	1	242-3864	2	SPRING						
	16	1	9M-1974	15	WASHER-HARD (8.8X16X2-MM THK)						
M	17	1	9X-2098	2	STUD-TAPERLOCK (BOLT)						

M-METRIC PART



GRAPHIC #1

<END>

g00943879

# COOLING SYSTEM

## 237-9821 ELBOW GP-WATER

S/N: KHX1-UP

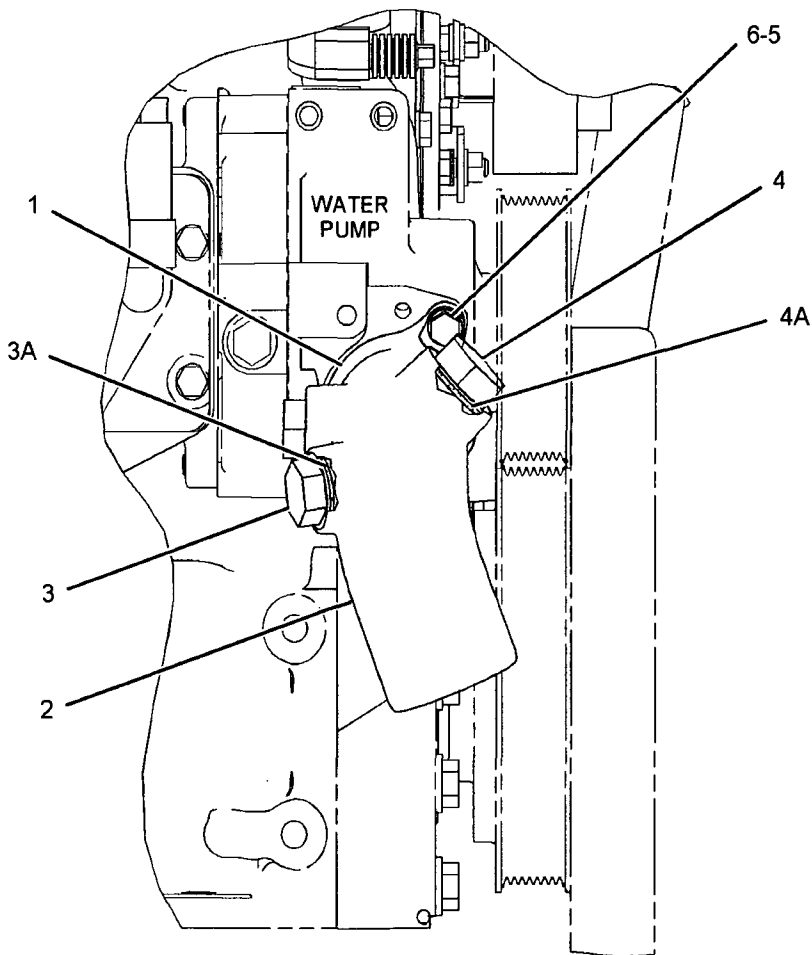
PART OF 235-1422 ENGINE AR-COMPLETE

SMCS-1380

i02241984

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	200-2258	1	GASKET						
	2	1	244-6602	1	ELBOW						
	3	1	148-8410	2	PLUG AS						
					(EACH INCLUDES)						
	3A	1	2M-9780	1	SEAL-O-RING						
		1	9S-4190	1	PLUG						
	4	1	241-6185	1	PLUG AS						
	4A	1	3D-2824	2	SEAL-O-RING						
		1	5P-9436	2	PLUG-THREADED O-RING						
M	5	1	6V-3940	2	BOLT (M8X1.25X25-MM)						
	6	1	9M-1974	2	WASHER-HARD (8.8X16X2-MM THK)						

M-METRIC PART



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g01118508

# COOLING SYSTEM

237-0443 RADIATOR & FAN GP (contd.)

i02460567

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	50	1	7X-2553	8	BOLT (M16X2X40-MM)						
	51	1,2	7X-7729	81	WASHER (11X25X3-MM THK)						
	52	1,2	8T-4121	13	WASHER-HARD (11X21X2.5-MM THK)						
M	53	2	8T-4132	1	NUT (M16X2-THD)						
M	54	1	8T-4133	17	NUT (M10X1.5 THD)						
M	55	1,2	8T-4136	11	BOLT (M10X1.5X25-MM)						
M	56	1	8T-4137	4	BOLT (M10X1.5X20-MM)						
M	57	1,2	8T-4195	41	BOLT (M10X1.5X30-MM)						
M	58	2	8T-4196	16	BOLT (M10X1.5X35-MM)						
	59	1,2	8T-4226	5	WASHER-PLATED (10.5X45X3-MM THK)						
M	60	1,2	8T-4956	10	BOLT (M12X1.75X35-MM)						
M	61	1	8T-4971	8	BOLT (M6X1X30-MM)						
M	62	1	8T-5005	1	BOLT (M10X1.5X70-MM)						
M	63	1	8T-6466	2	BOLT (M10X1.5X60-MM)						
	64	1	9X-8256	8	WASHER (6.6X12X2-MM THK)						
	65	1	9X-8257	8	WASHER (17.5X30X3.5-MM THK)						
D	66	2	054-7915		SEAL (0.7-M EACH)						
D	67	1	5P-8309		SEAL (0.9-M EACH)						
D	67A	1	5P-8309		SEAL (0.5-M)						
D	67B	1	5P-8309		SEAL (0.3-M EACH)						
E	68	1	112-9736		SEAL (313-CM)						
M	69	1,2	8T-4186	7	BOLT (M10X1.5X40-MM)						
	70	1	277-8628	2	MOUNT						

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

# AIR INLET AND EXHAUST SYSTEM

## 237-4850 LINES GP-AIR

S/N: N1A1-UP

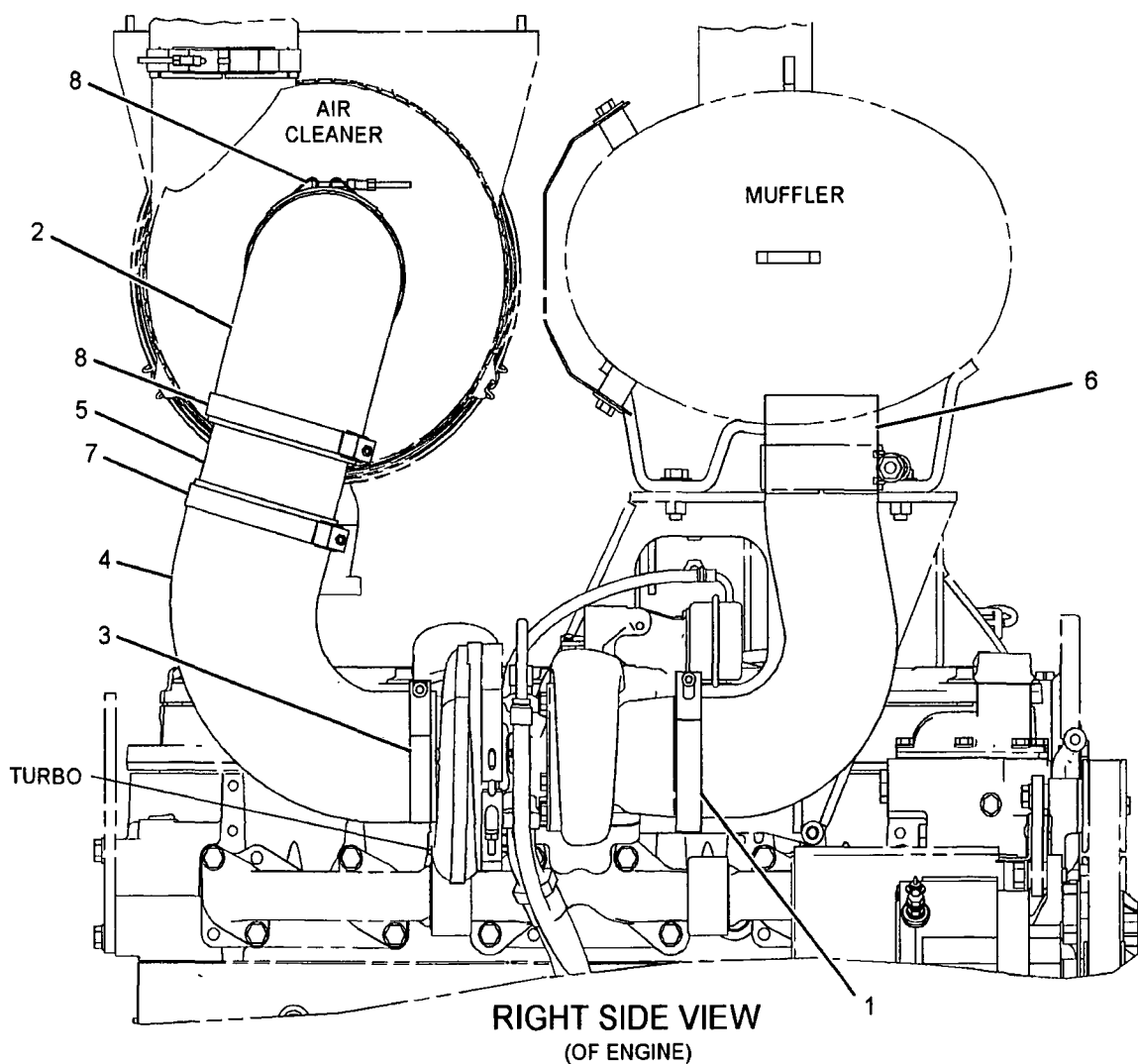
PART OF 237-3995 INSTALLATION AR-ENGINE

ALSO AN ATTACHMENT

SMCS-1071

i02230863

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1W-2431	1	CLAMP - BAND						
	2	1	9L-4244	1	ELBOW						
	3	1	135-6259	1	CLAMP						
	4	1	239-6135	1	HOSE						
	5	1	246-1883	1	TUBE AS						
	6	1	261-8531	1	TUBE						
	7	1	219-0314	1	CLAMP						
	8	1	237-0226	2	CLAMP						



GRAPHIC #1

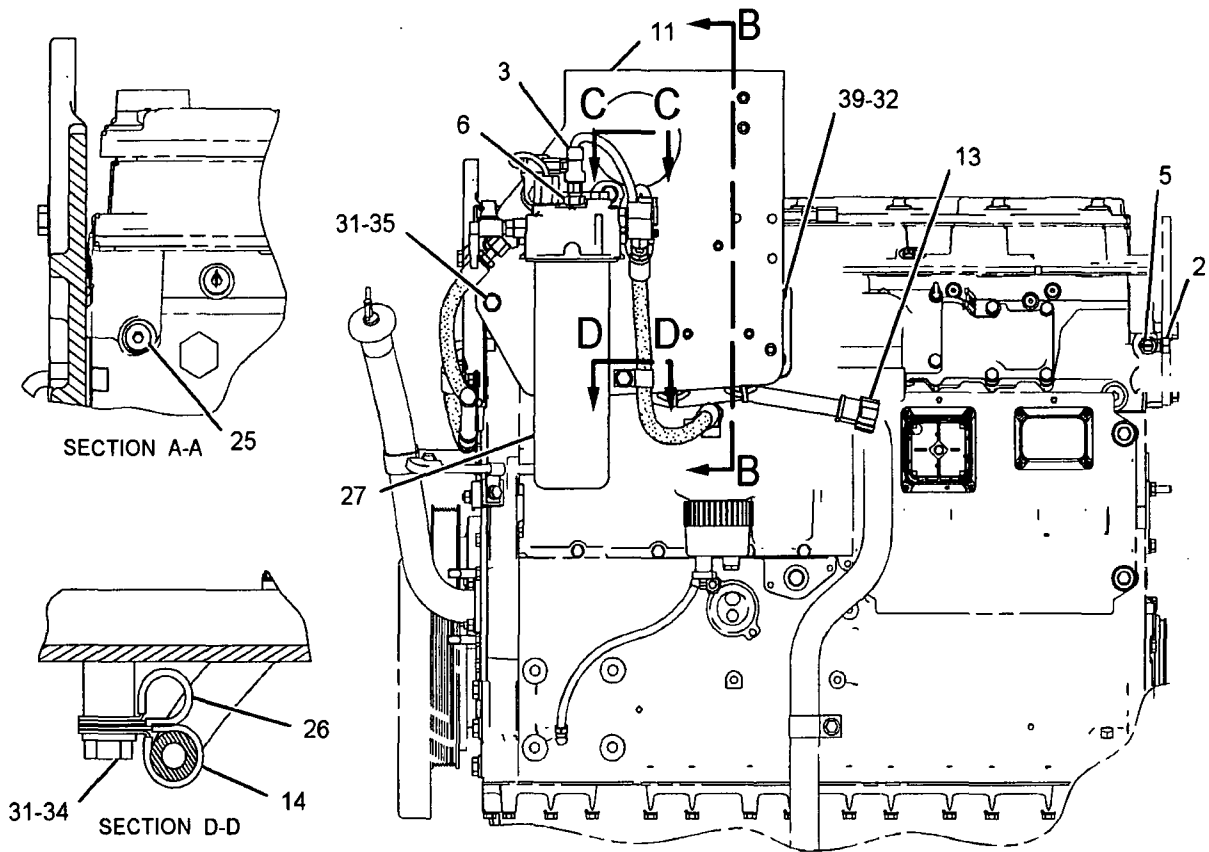
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g01120877

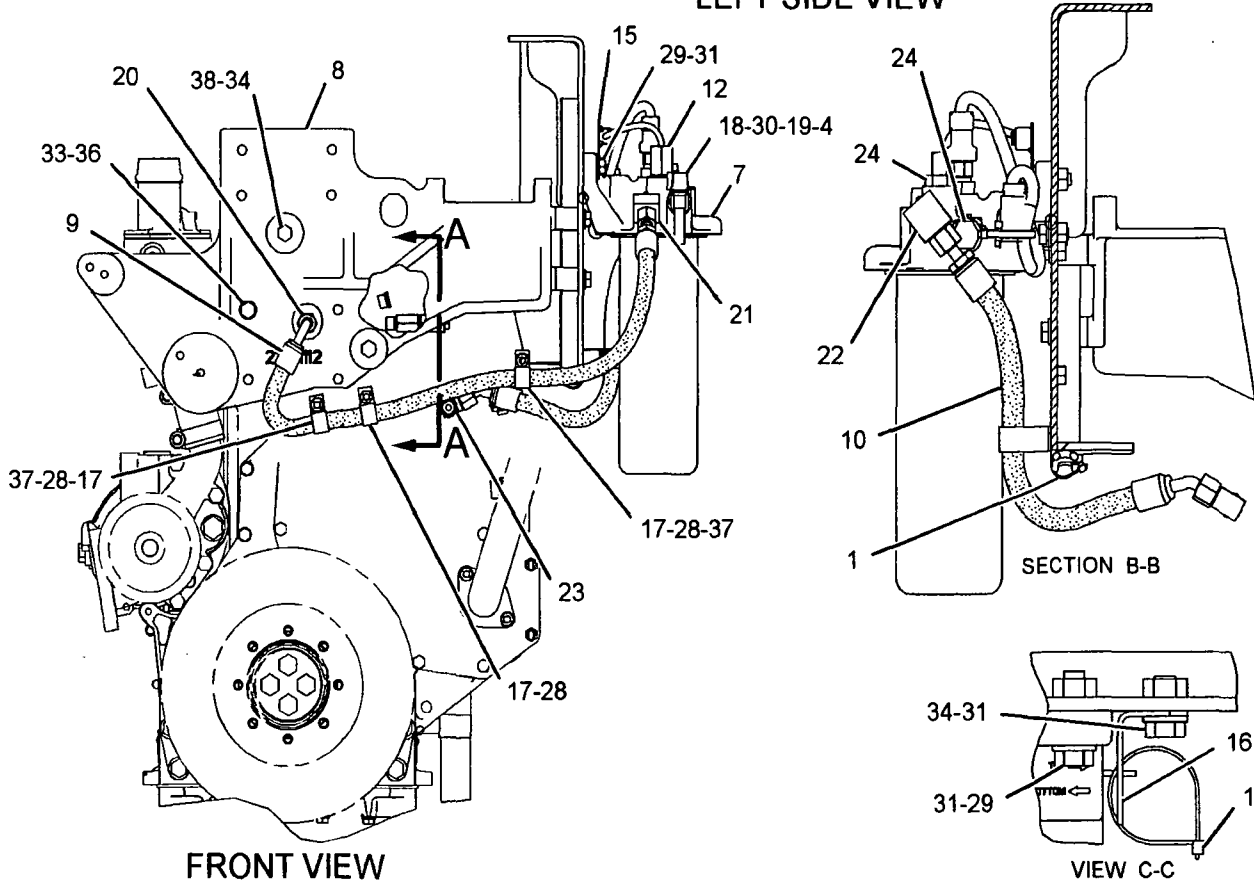
# FUEL SYSTEM

237-9823 FILTER & LINES GP-FUEL (contd.)

i02287960



LEFT SIDE VIEW



FRONT VIEW

VIEW C-C

GRAPHIC #1

<END>

g01130577

# FUEL SYSTEM

## 222-5958 PUMP GP-FUEL INJECTION

S/N: KHX1-410

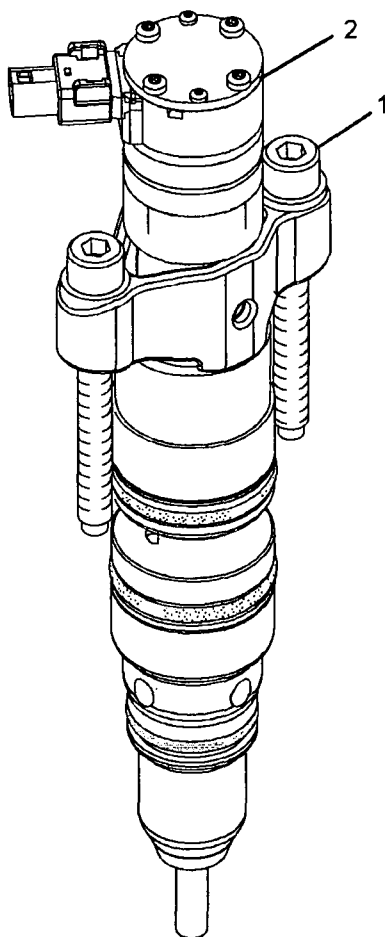
PART OF 235-1423 ENGINE AR-CORE

SMCS-1251, 1290

i02242073

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	235-9651	2	BOLT-SOCKET HEAD (M8X1.25X65-MM)						
Y	2	1	241-3400	1	INJECTOR GP-FUEL						101

Y-SEPARATE ILLUSTRATION



ISOMETRIC  
VIEW  
<END>

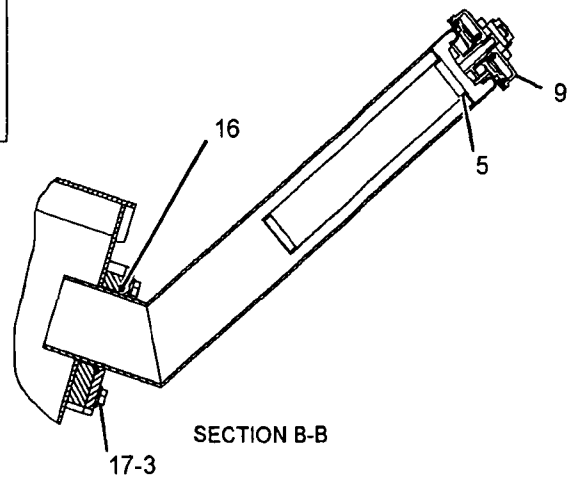
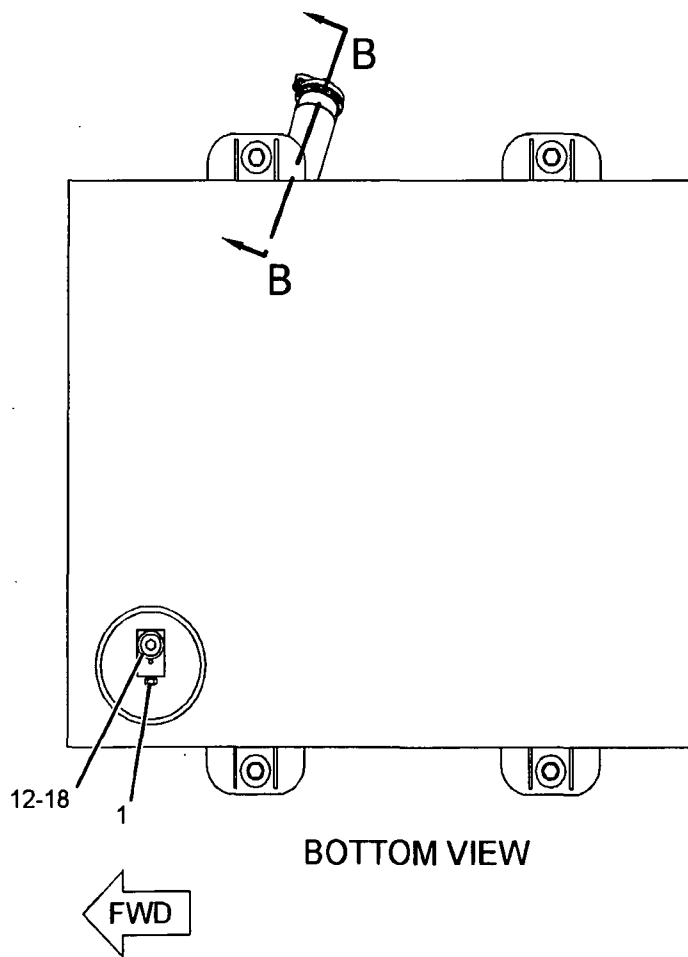
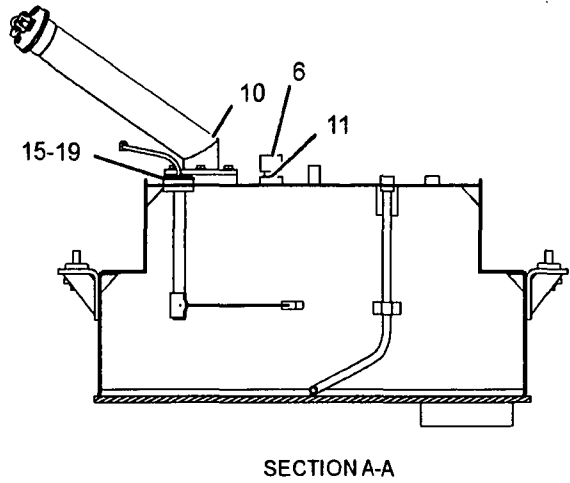
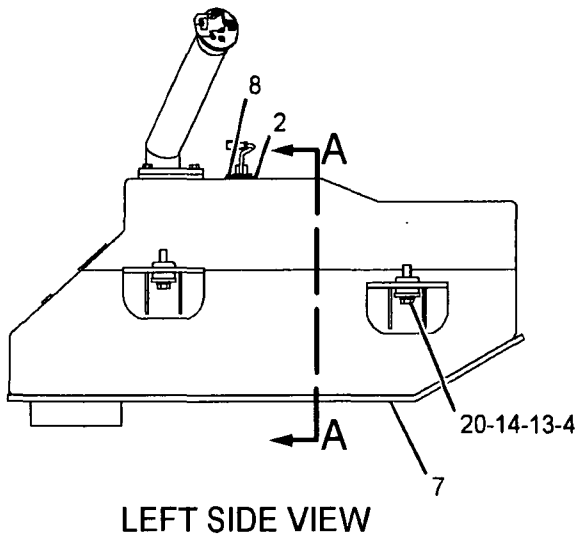
GRAPHIC #1

g01038652

# FUEL SYSTEM

240-5150 TANK GP-FUEL (contd.)

i02437655



GRAPHIC #1

<END>

g01223653

# ELECTRICAL AND STARTING SYSTEM

## 281-8872 CAMERA AR

S/N: N1A1-UP

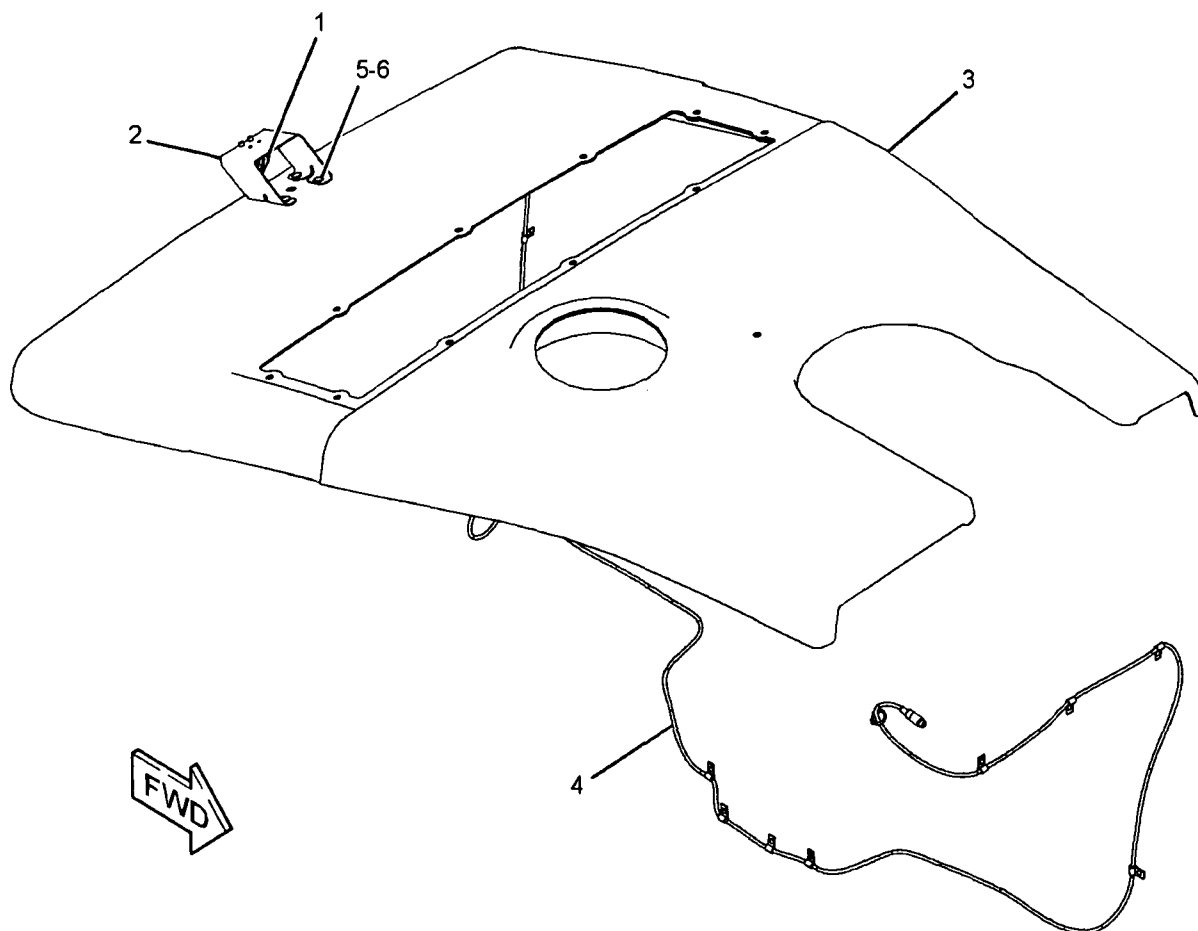
PART OF 281-8875 CAMERA AR  
AN ATTACHMENT

SMCS-7348

i02443571

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	251-4160	1	CAMERA GP (115-DEGREE, COLOR)						
	2	1	258-7484	1	BRACKET AS						
	3	1	268-4422	1	PANEL AS-TOP						
	4	1	268-5232	1	CABLE AS						
M		1	2Y-5829	1	NUT (M10X1.15-THD)						
		1	4D-7735	1	CLIP						
M		1	6V-1820	1	BOLT (M10X1.5X30-MM)						
		1	6V-5839	2	WASHER (11X21X2.5-MM THK)						
		1	7K-1181	1	STRAP-CABLE						
		1	8M-2772	15	CLIP						
M	5	1	6V-9189	4	LOCKNUT (M8X1.25-THD)						
	6	1	8T-4224	4	WASHER-HARD (8.8X16X2-MM THK)						

M-METRIC PART



GRAPHIC #1

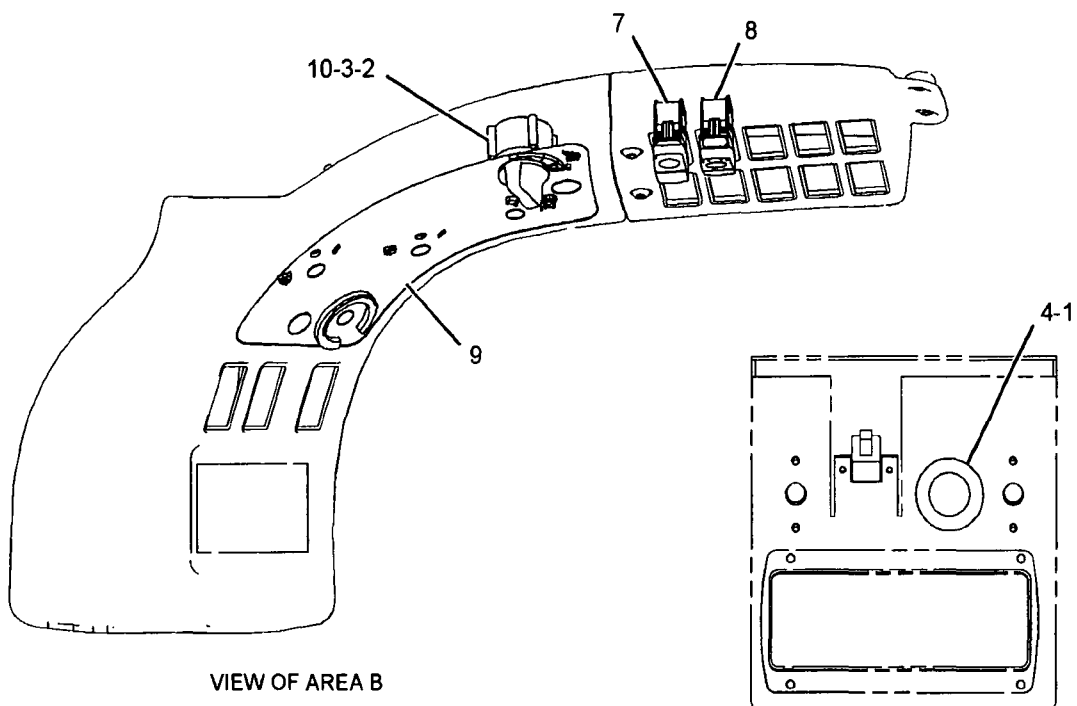
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g01227098

# ELECTRICAL AND STARTING SYSTEM

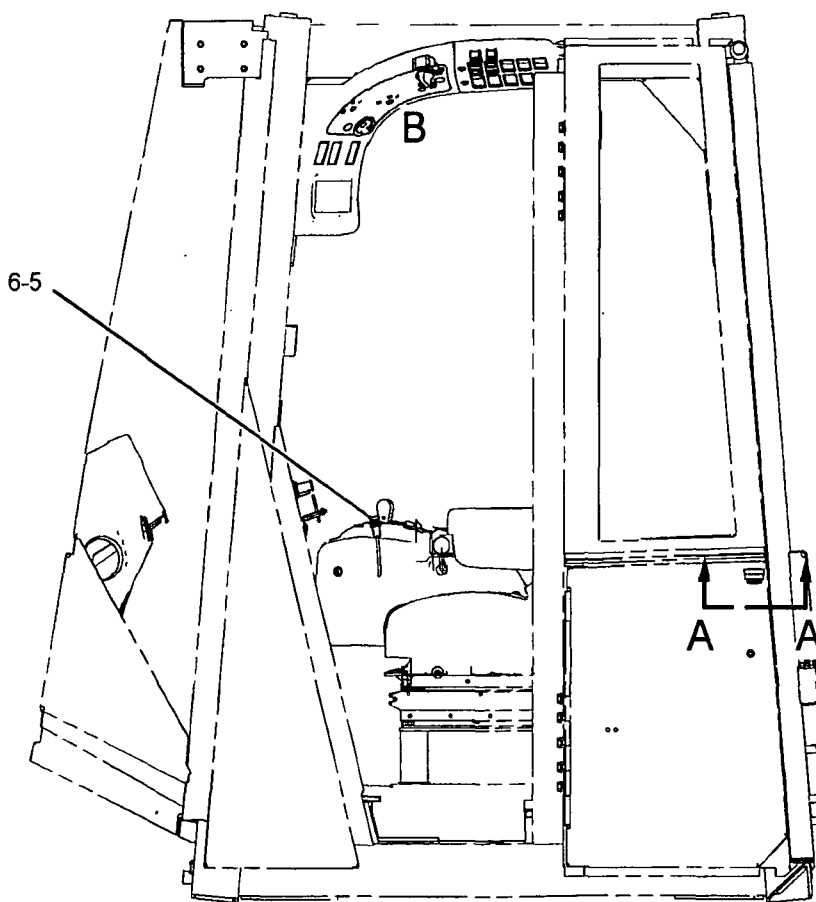
253-3471 CONTROL GP-AUTODIG (contd.)

i02389747



VIEW OF AREA B

VIEW A-A



LEFT SIDE VIEW

GRAPHIC #1

<END>

g01115587

# ELECTRICAL AND STARTING SYSTEM

## 246-6291 INSTALLATION GP-SECURITY

S/N: N1A1-UP

PART OF 243-1945 INSTALLATION AR-SECURITY  
AN ATTACHMENT

SMCS-7631

i02384912

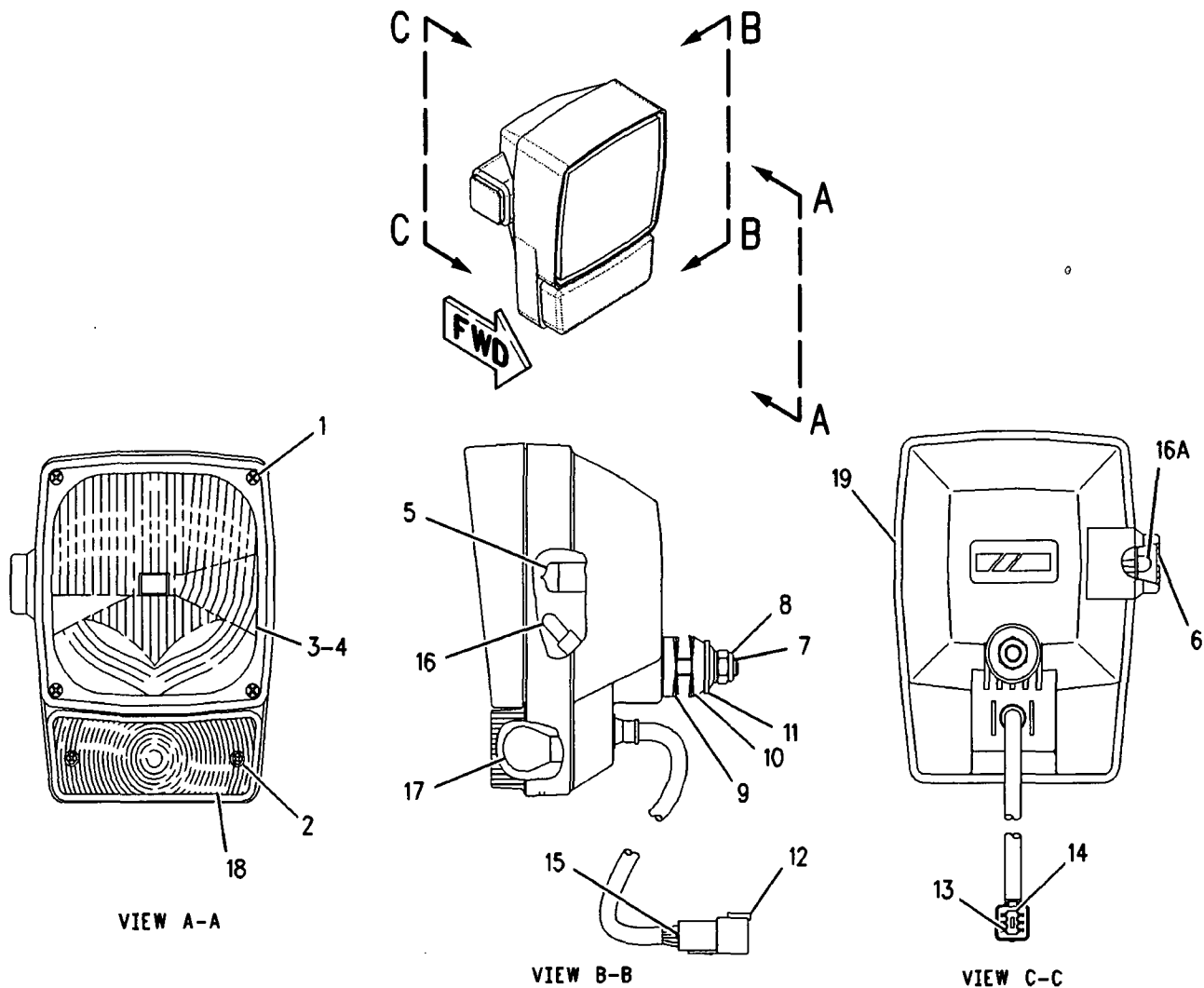
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3S-2093	4	STRAP-CABLE						
	2	1	8C-5607	4	MOUNT-ISOLATION						
	3	1	8C-5608	2	SPACER (6.5X9.5X25.4-MM THK)						
	4	1	198-5389	1	FILM-IDENTIFICATION (IGNITION SWITCH)						
	5	1	205-0826	1	FILM-INSTRUCTION (READ OMM)						
	6	1	206-5162	2	KEY AS-ELECTRONIC (SECURITY)						
	7	1	206-5203	1	COIL AS (EXCITER)						
		1	102-8802	1	KIT-RECEPTACLE (2-PIN) (INCLUDES RECEPTACLE AS AND WEDGE)						
		1	3E-3365	1	WEDGE-RECEPTACLE LOCK (2-PIN)						
		1	198-5389	2	FILM-IDENTIFICATION (IGNITION SWITCH)						
		1	205-8257	2	COIL AS (EXCITER)						
D		1	5P-5677		WIRE (18-GA, BLACK) (0.4-M)						
		1	186-3735	2	PIN-CONNECTOR (16-GA TO 18-GA)						
	8	1	218-0404	1	MODULE GP-INTERFACE (KEY)						
		1	6V-6715	1	SCREW-PAN HEAD (4-20X0.25-IN)						
		1	8C-3095	1	SEAL-O-RING						
	9	1	219-6314	2	KEY RING (IDENTIFICATION)						
	10	1	219-6607	2	FILM-INFORMATION (KEY)						
M	12	1	7X-2533	2	BOLT (M6X1X35-MM)						
	13	1	9X-6165	2	WASHER (6.5X22X2.5-MM THK)						

D-ORDER BY THE METER  
M-METRIC PART

# ELECTRICAL AND STARTING SYSTEM

105-4850 LAMP GP-HEAD & SIGNAL (contd.)

i02462036



VIEW A-A

VIEW B-B

VIEW C-C

GRAPHIC #1

<END>

g00853116

# ELECTRICAL AND STARTING SYSTEM

## 280-1456 LIGHTING GP-FLOOD-4-LAMP, CAB FRONT, REAR

S/N: N1A1-UP

CANNOT BE USED WITH 235-8560-PAGE 167

AN ATTACHMENT

SMCS-1434

i02415957

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	3S-2093	2	STRAP-CABLE						
	2	1	188-1616	2	PLATE						
Y	3	2	219-6487	4	LAMP GP-FLOOD (24-VOLT, SUSPENDED MOUNT)						155
	4	2	280-1436	2	HARNESS AS-FRONT LIGHTING						
					(EACH INCLUDES)						
		2	102-8802	1	KIT-RECEPTACLE (2-PIN)						
					(INCLUDES RECEPTACLE AS AND WEDGE)						
		2	155-2270	2	KIT-CONNECTING PLUG (2-PIN)						
					(EACH INCLUDES PLUG AS AND WEDGE)						
	5	2	280-1437	2	HARNESS AS-REAR LIGHTING						
					(EACH INCLUDES)						
		2	102-8802	1	KIT-RECEPTACLE (2-PIN)						
					(INCLUDE RECEPTACLE AS AND WEDGE)						
		2	155-2270	2	KIT-CONNECTING PLUG (2-PIN)						
					(EACH INCLUDES PLUG AS AND WEDGE)						
	6	2	132-5789	2	CLIP						
	7	2	8T-4121	4	WASHER-HARD (11X21X2.5-MM THK)						
M	8	2	8T-4133	2	NUT (M10X1.5 THD)						
M	9	2	8T-4195	2	BOLT (M10X1.5X30-MM)						

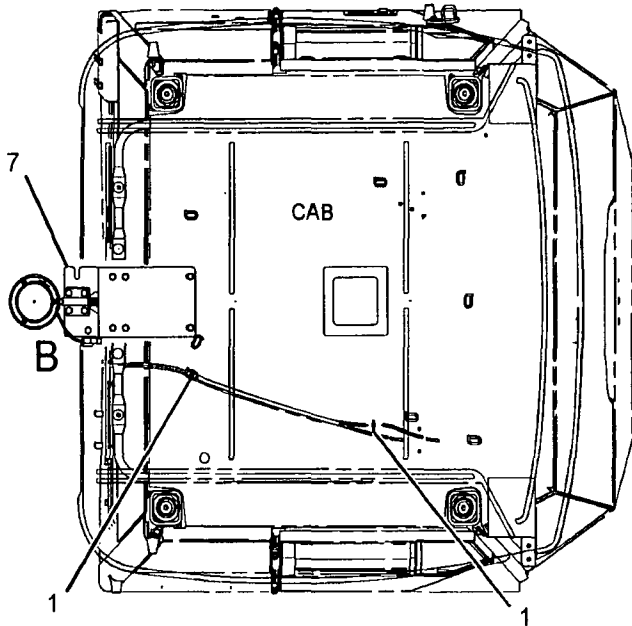
M-METRIC PART

Y-SEPARATE ILLUSTRATION

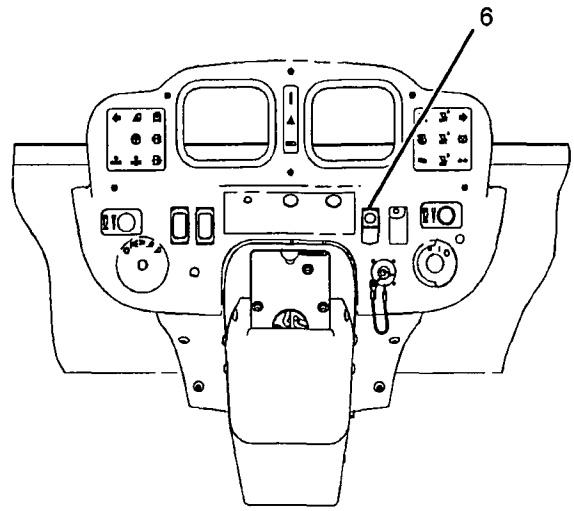
# ELECTRICAL AND STARTING SYSTEM

237-1012 LIGHTING GP-WARNING BEACON (contd.)

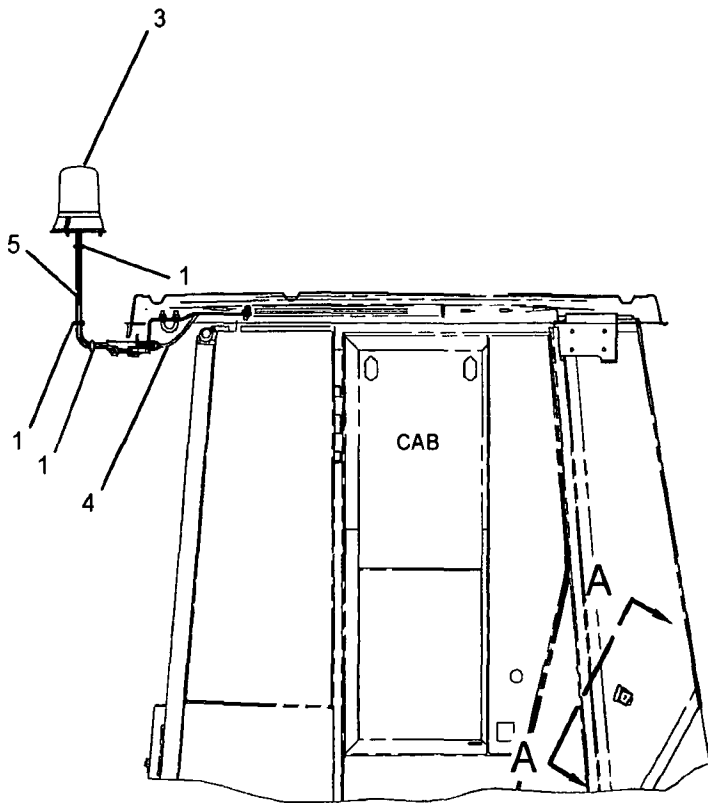
i02310364



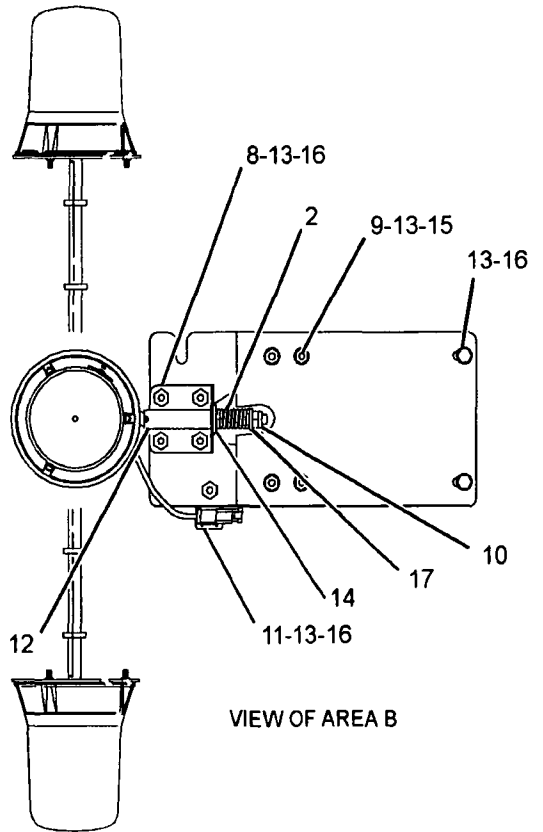
TOP VIEW



SECTION A-A



RIGHT SIDE VIEW



VIEW OF AREA B

GRAPHIC #1

<END>

g01155151

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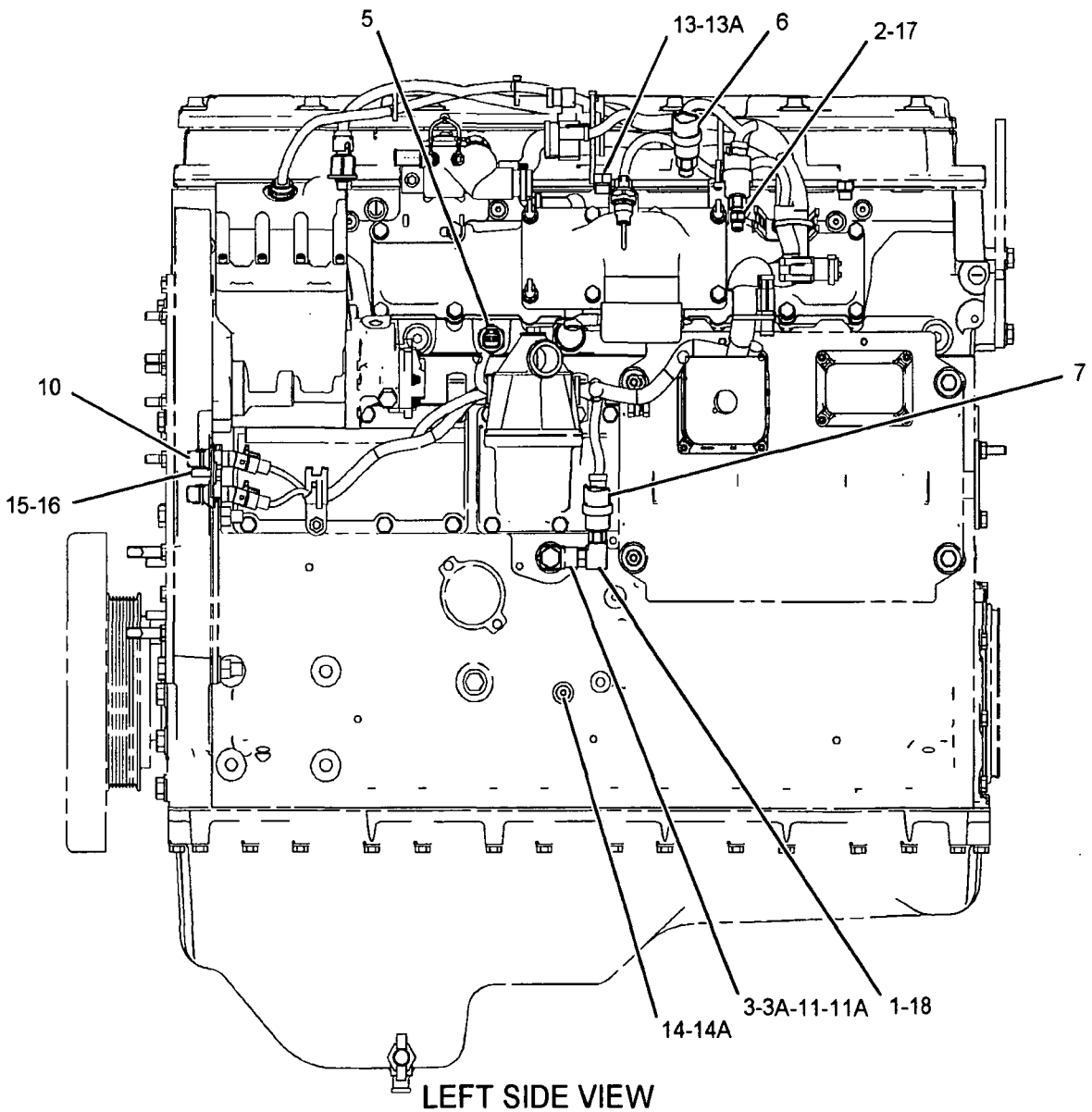
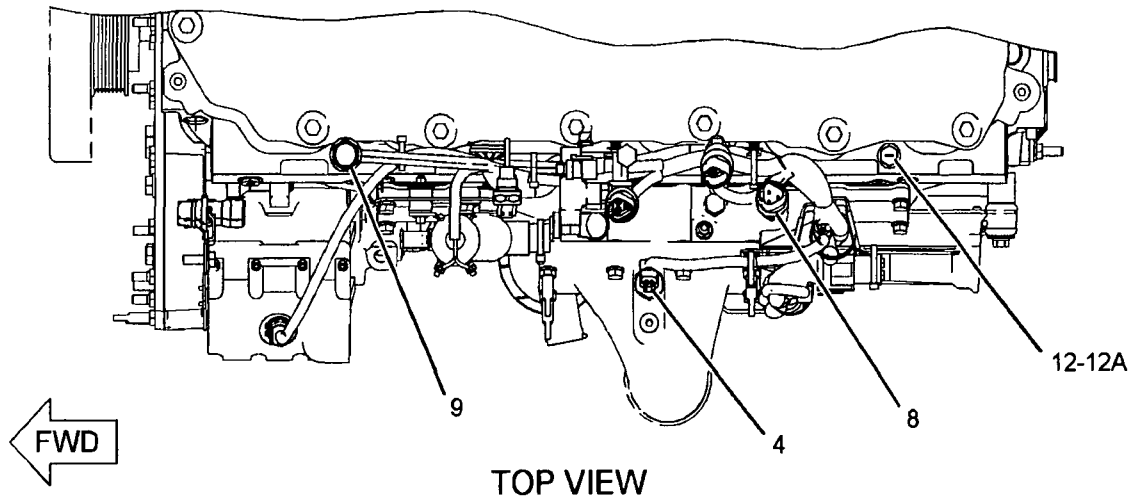
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# ELECTRICAL AND STARTING SYSTEM

238-4808 SENSOR GP-ENGINE (contd.)

i02288272



GRAPHIC #1

<END>

g01118746

# ELECTRICAL AND STARTING SYSTEM

## 236-6220 SENSOR GP-PRESSURE-INJECTION ACTUATION

S/N: KHX1-UP

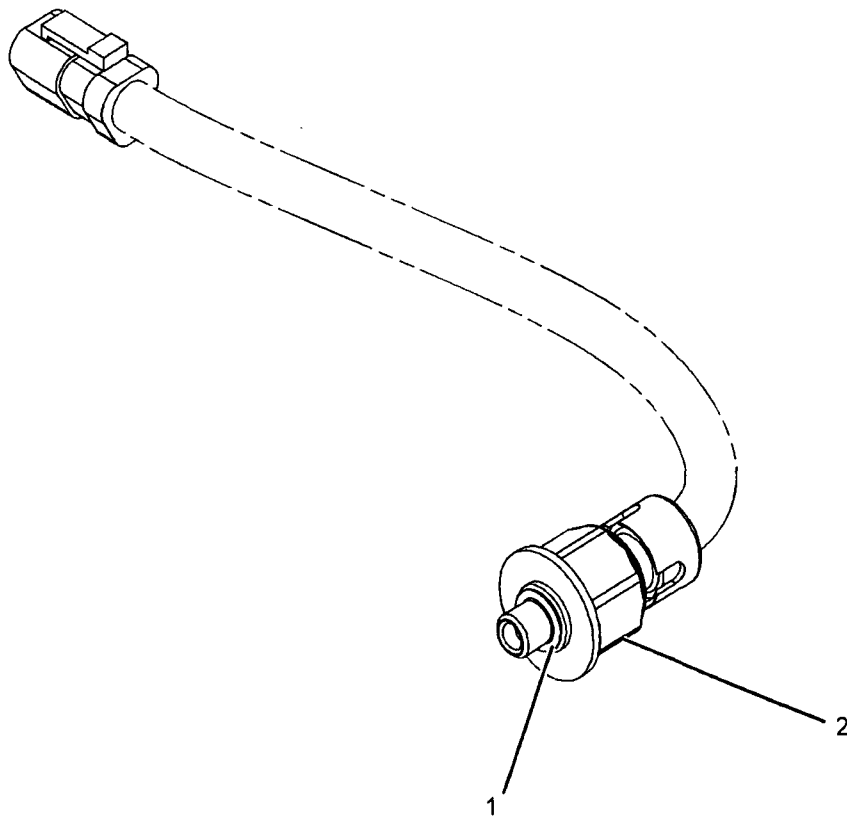
PART OF 238-4808 SENSOR GP-ENGINE

SMCS-1408, 1925, 7494

i02386464

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	214-7567	1	SEAL-O-RING						
Y	2	1	224-4536	1	SENSOR GP-PRESSURE (INJECTION ACTUATION)						198

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01054528

# ELECTRICAL AND STARTING SYSTEM

## 111-4275 STARTING MOTOR GP-ELECTRIC

S/N: N1A1-UP

24 VOLT

PART OF 237-3995 INSTALLATION AR-ENGINE

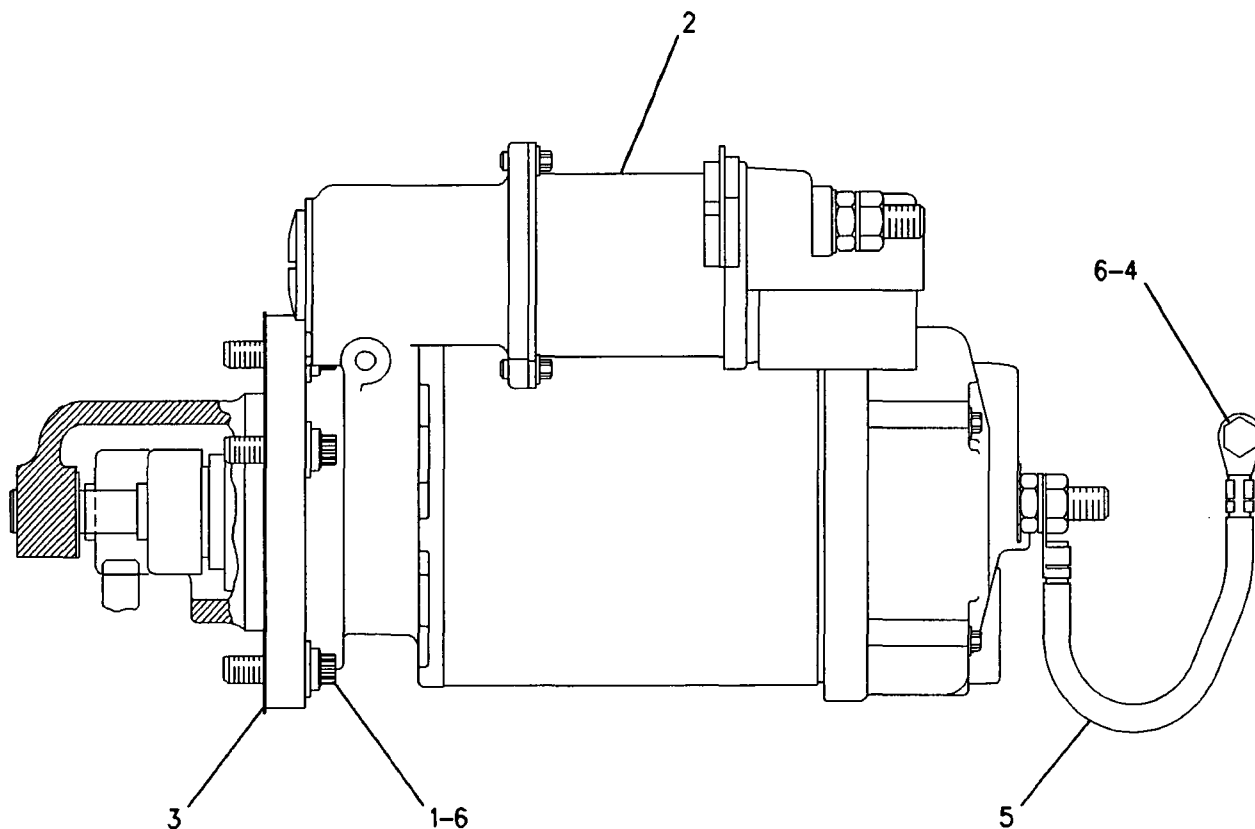
ALSO AN ATTACHMENT

SMCS-1453

i01709242

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	118-9573	3	BOLT-12 POINT HEAD (M10X1.5-THD)						
CYR	2	1	207-1517	1	STARTING MOTOR GP-ELECTRIC						210
	3	1	3K-3257	1	GASKET						
M	4	1	8T-4191	1	BOLT (M10X1.5X16-MM)						
	5	1	8Y-9603	1	CABLE AS-STARTING MOTOR						
		1	1S-7251	1	TERMINAL-RING (FOR 1/2-IN BOLT)						
		1	1S-7252	1	TERMINAL-RING (FOR 3/8-IN BOLT)						
E		1	5P-0747		CABLE (00-GA, BLACK) (28CM)						
	6	1	8T-4121	4	WASHER-HARD (11X21X2.5-MM THK)						

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



GRAPHIC #1

<END>

g00613782

# ELECTRICAL AND STARTING SYSTEM

## 252-5925 SWITCH GP-QUICK COUPLER

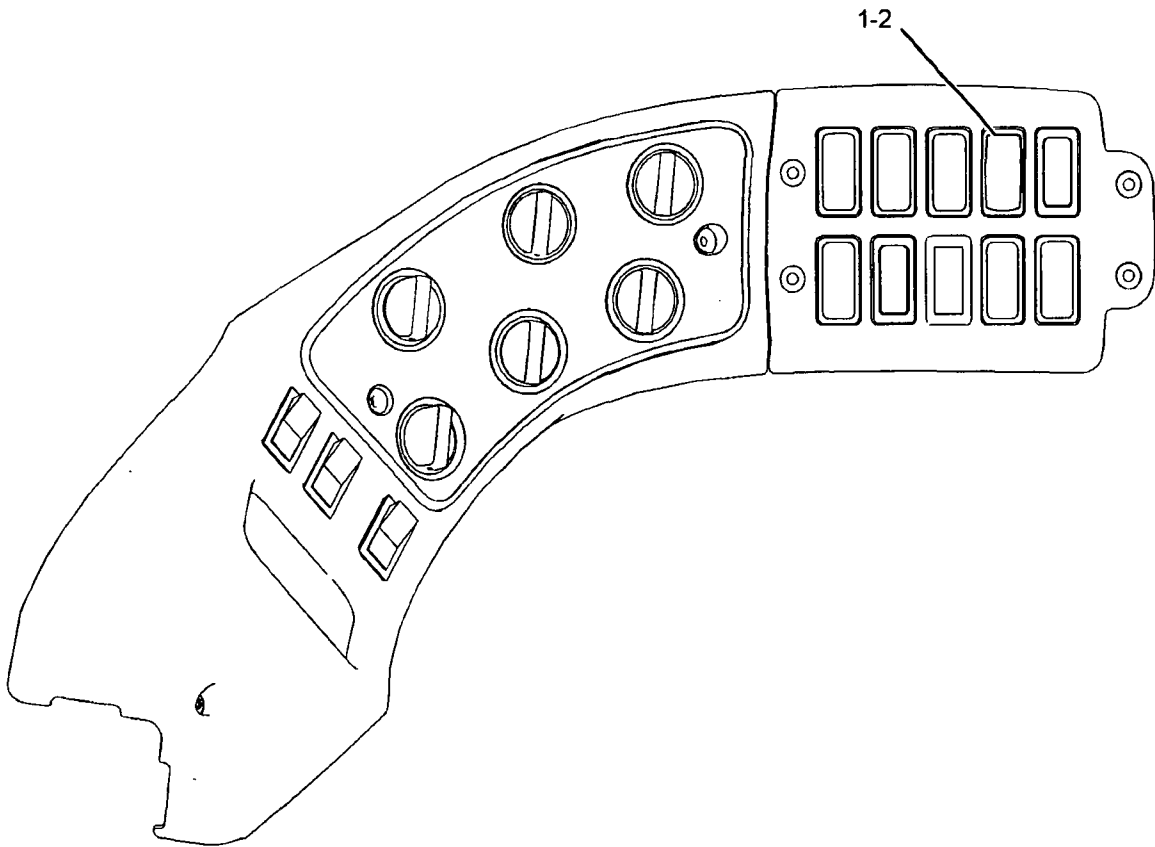
S/N: N1A1-UP

PART OF 244-2662 CONTROL AR-QUICK COUPLER, 244-2665 LIFT AR  
AN ATTACHMENT

SMCS-6129, 7332

i02143463

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	248-5081	1	SWITCH AS-ROCKER (QUICK COUPLER)						
	2	1	249-5602	1	GUARD-SWITCH						



GRAPHIC #1

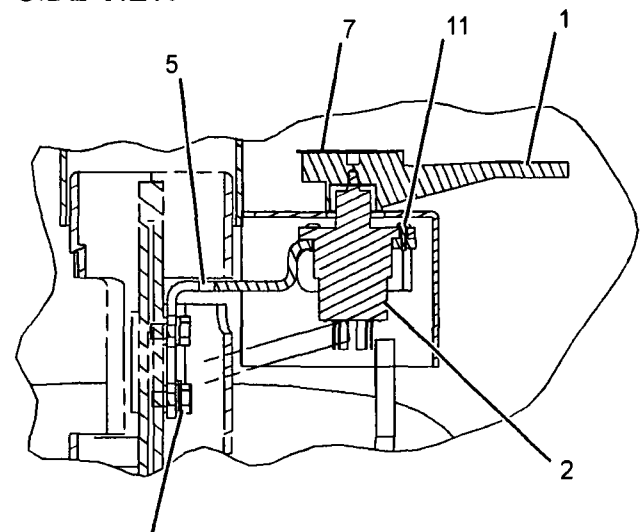
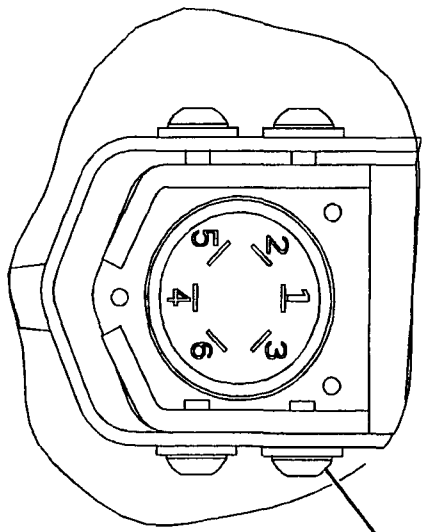
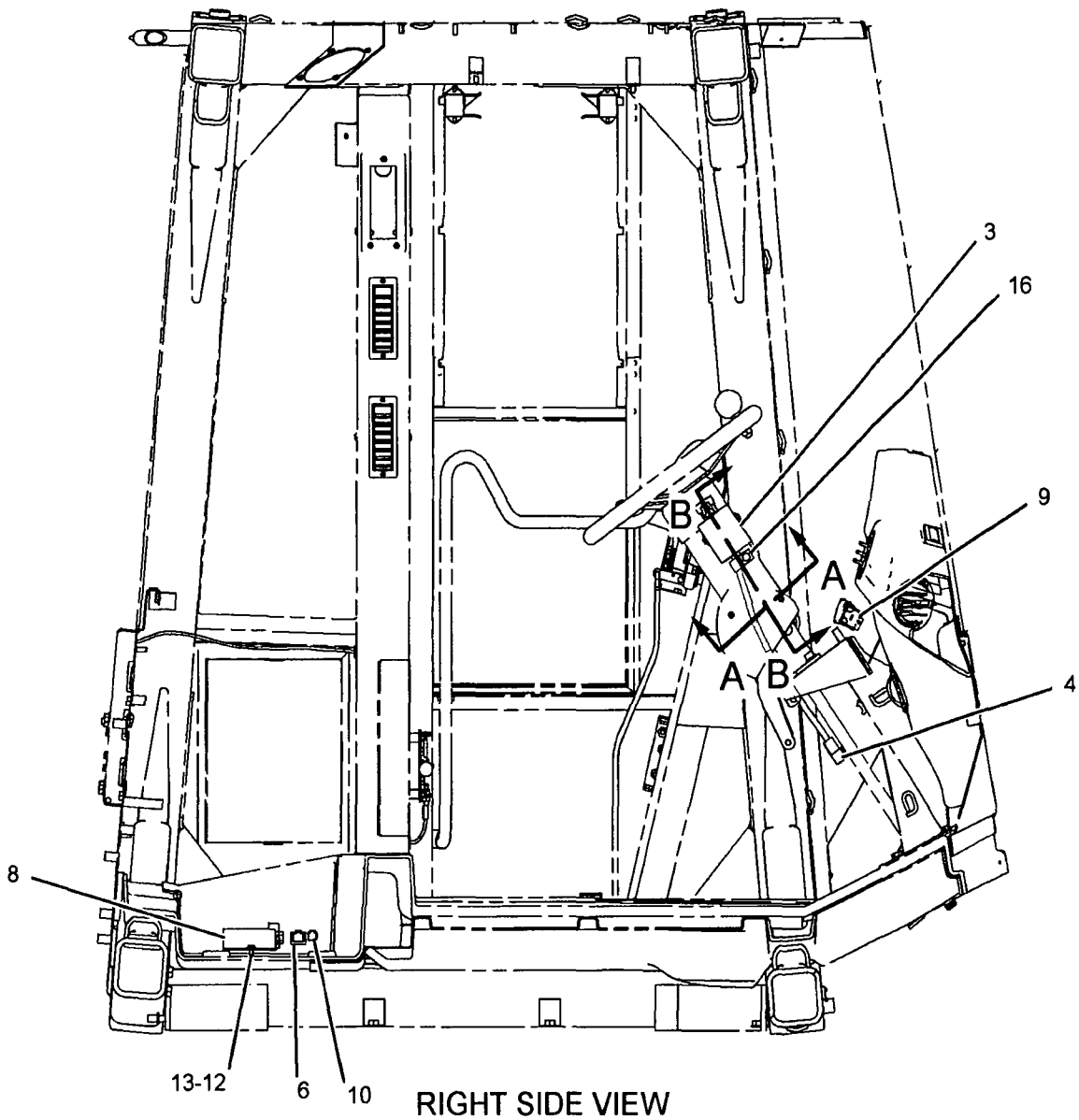
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g01089049

# ELECTRICAL AND STARTING SYSTEM

253-3951 SWITCH GP-SIGNAL (contd.)

i02286199



GRAPHIC #1

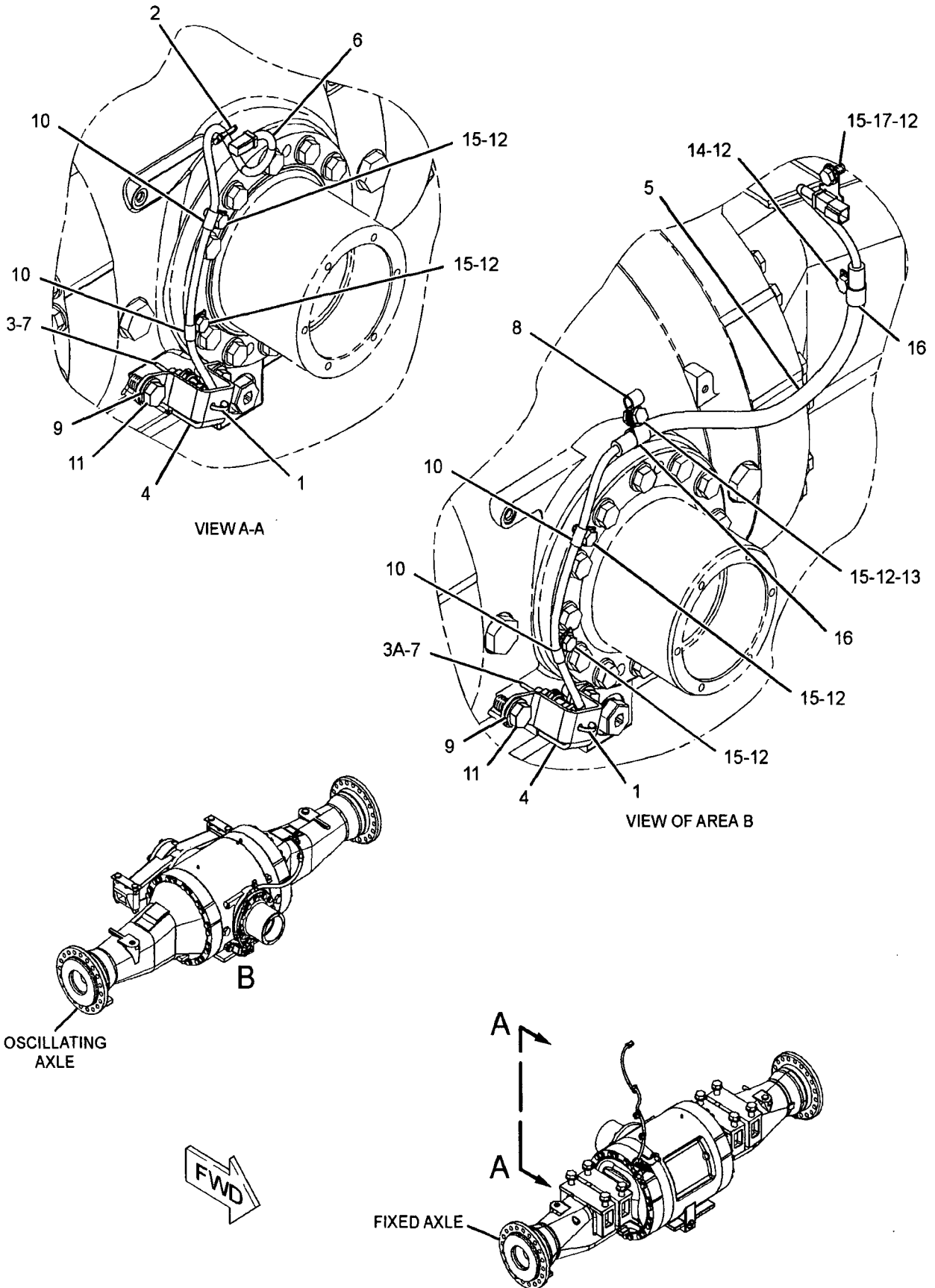
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g01074399

# ELECTRICAL AND STARTING SYSTEM

241-0638 WIRING GP-AXLE MONITORING (contd.)

i02437651



GRAPHIC #1

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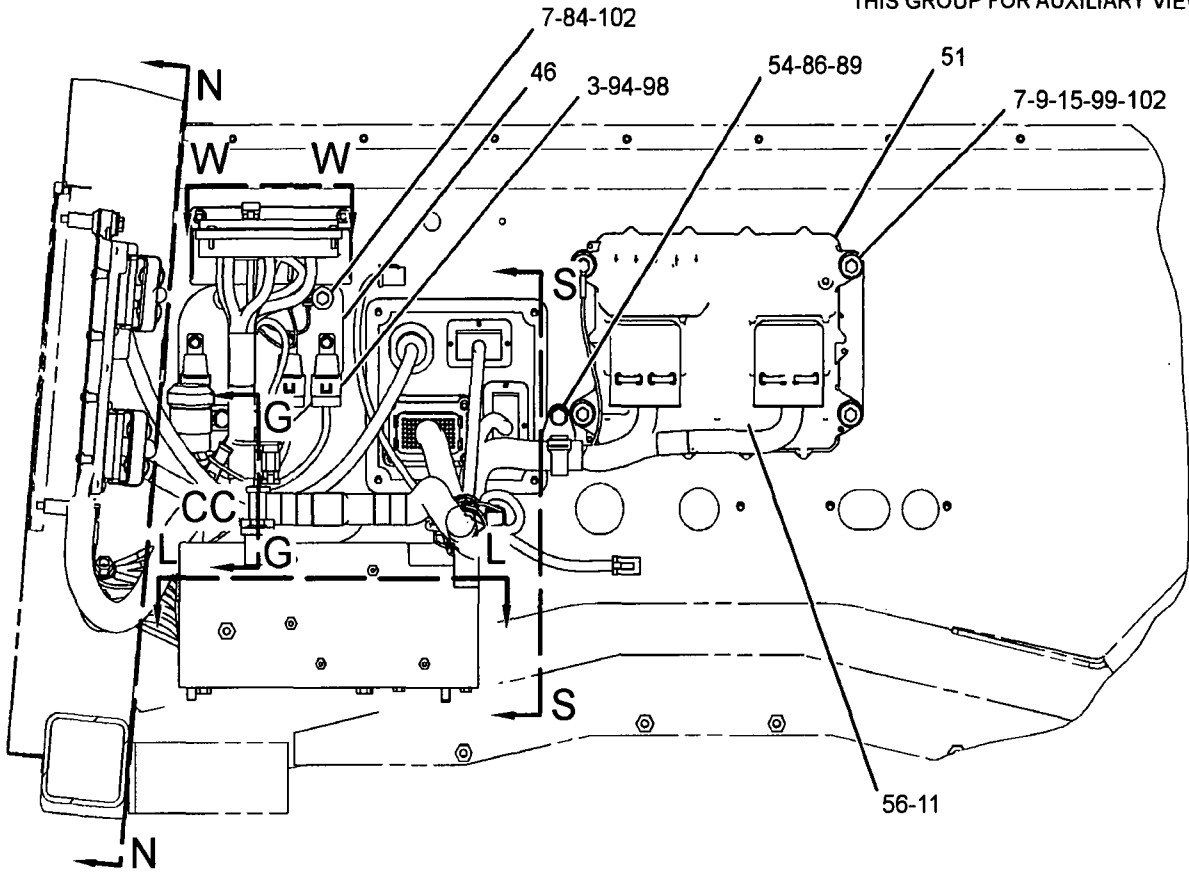
g01221780

# ELECTRICAL AND STARTING SYSTEM

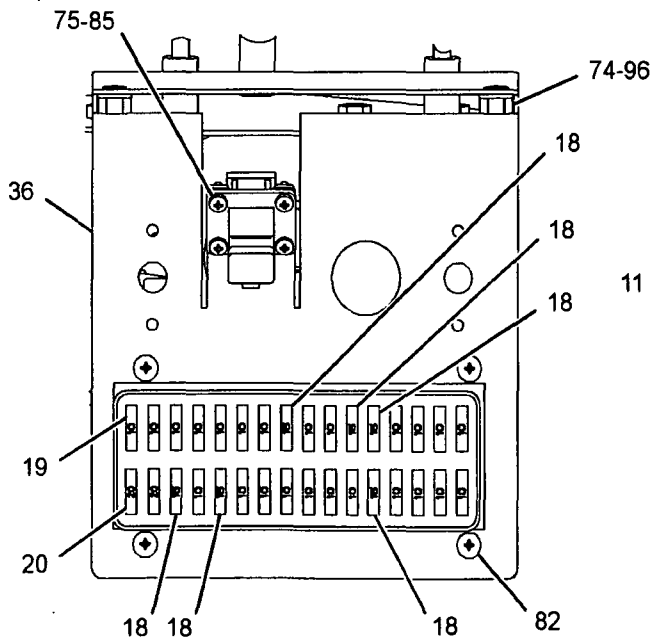
280-4118 WIRING GP-CAB (contd.)

102438147

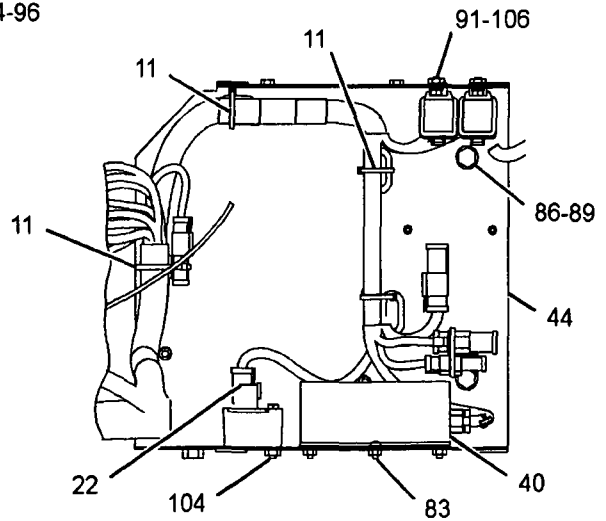
REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS



SECTION M-M



SECTION W-W



SECTION L-L

GRAPHIC #5

g01228932

# ELECTRICAL AND STARTING SYSTEM

## 271-4026 WIRING GP-COUPLER

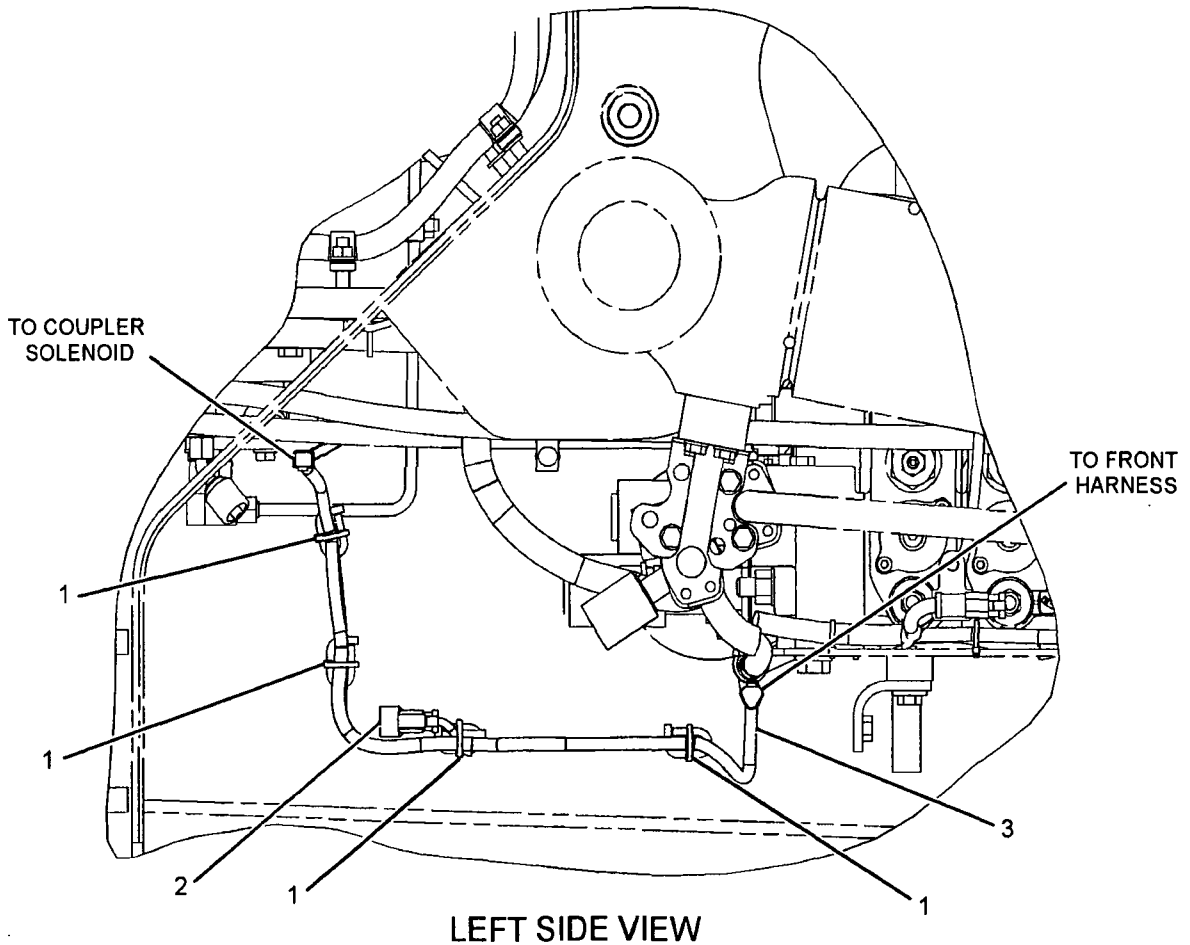
S/N: N1A1-UP

PART OF 244-2662 CONTROL AR-QUICK COUPLER, 244-2665 LIFT AR  
AN ATTACHMENT

SMCS-5734

i02440923

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7K-1181	4	STRAP-CABLE						
	2	1	218-4935	1	SUPPRESSOR-ARC						
	3	1	271-4027	1	HARNESS AS-WORK TOOL (QUICK COUPLER)						
		1	155-2260	1	KIT-CONNECTING PLUG (3-PIN)						
		1	155-2270	2	KIT-CONNECTING PLUG (2-PIN)						
(EACH INCLUDES PLUG AS AND WEDGE)											



GRAPHIC #1

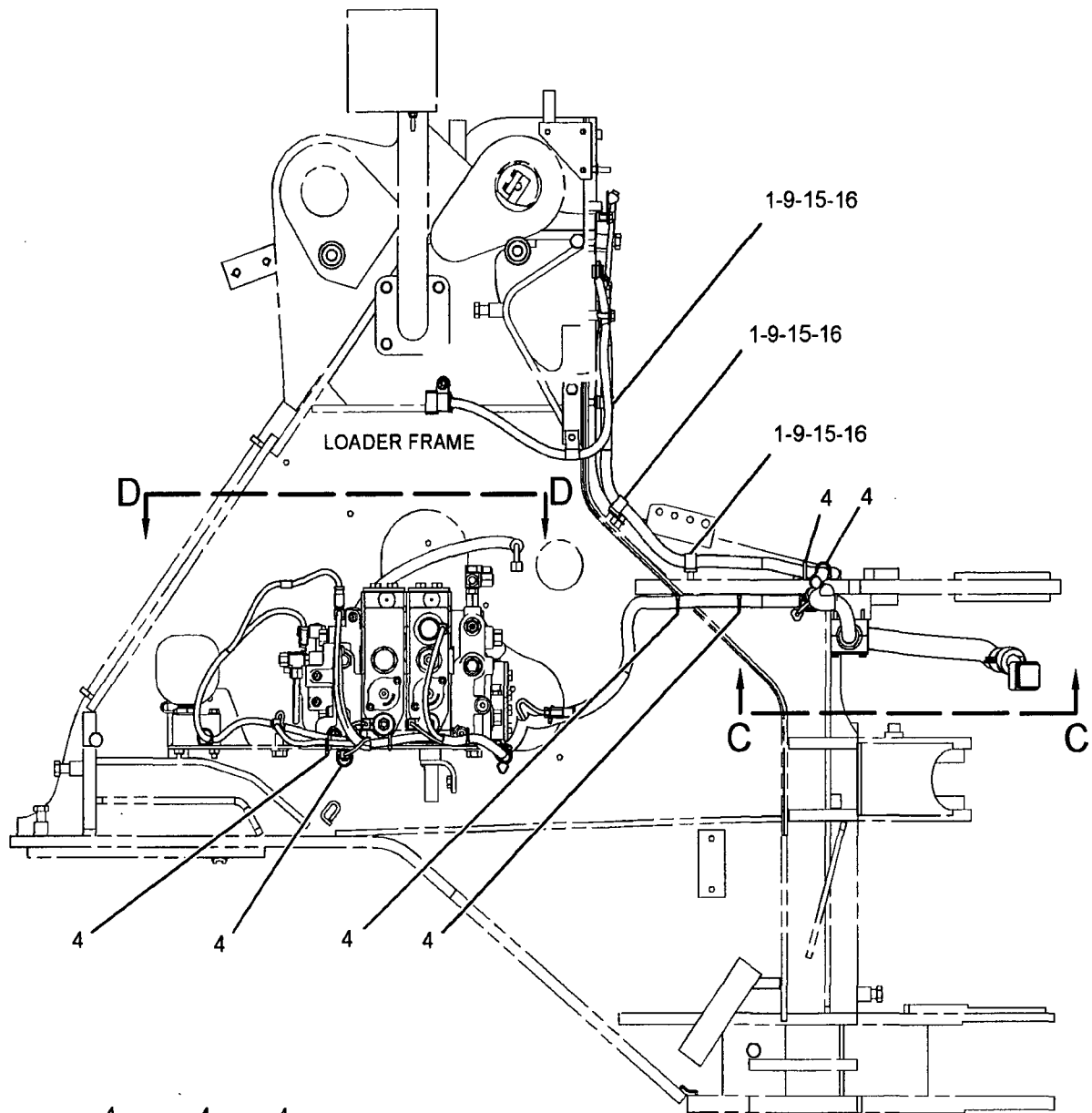
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g01220808

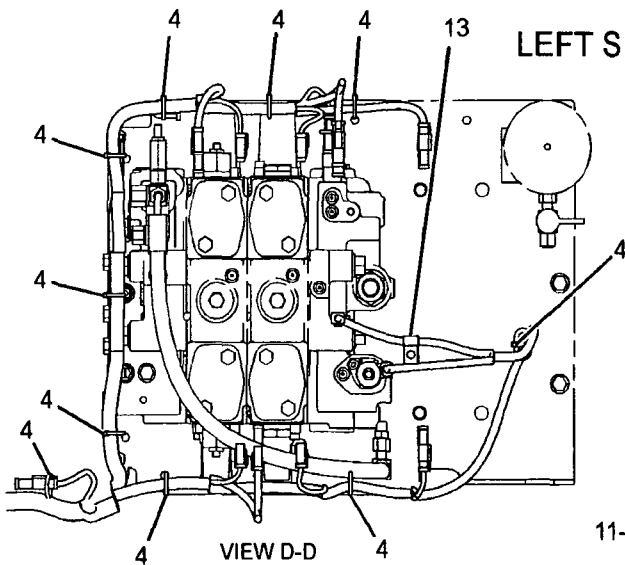
# ELECTRICAL AND STARTING SYSTEM

241-0641 WIRING GP - FRONT (contd.)

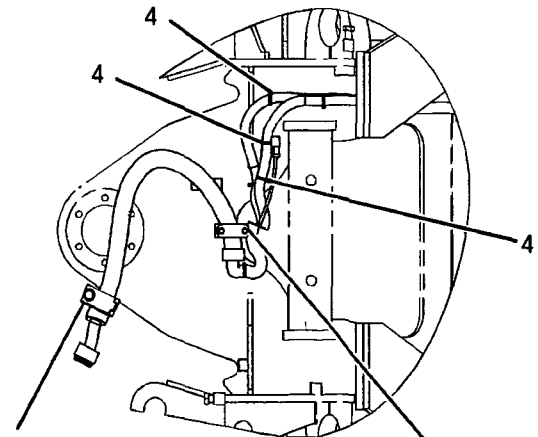
i02437647



LEFT SIDE VIEW



VIEW D-D



SECTION C-C

2-3-21-22

11-12-18-20

GRAPHIC #2

<END>

g01202777

# ELECTRICAL AND STARTING SYSTEM

## 271-4010 WIRING GP-SENSOR

S/N: N1A1-UP

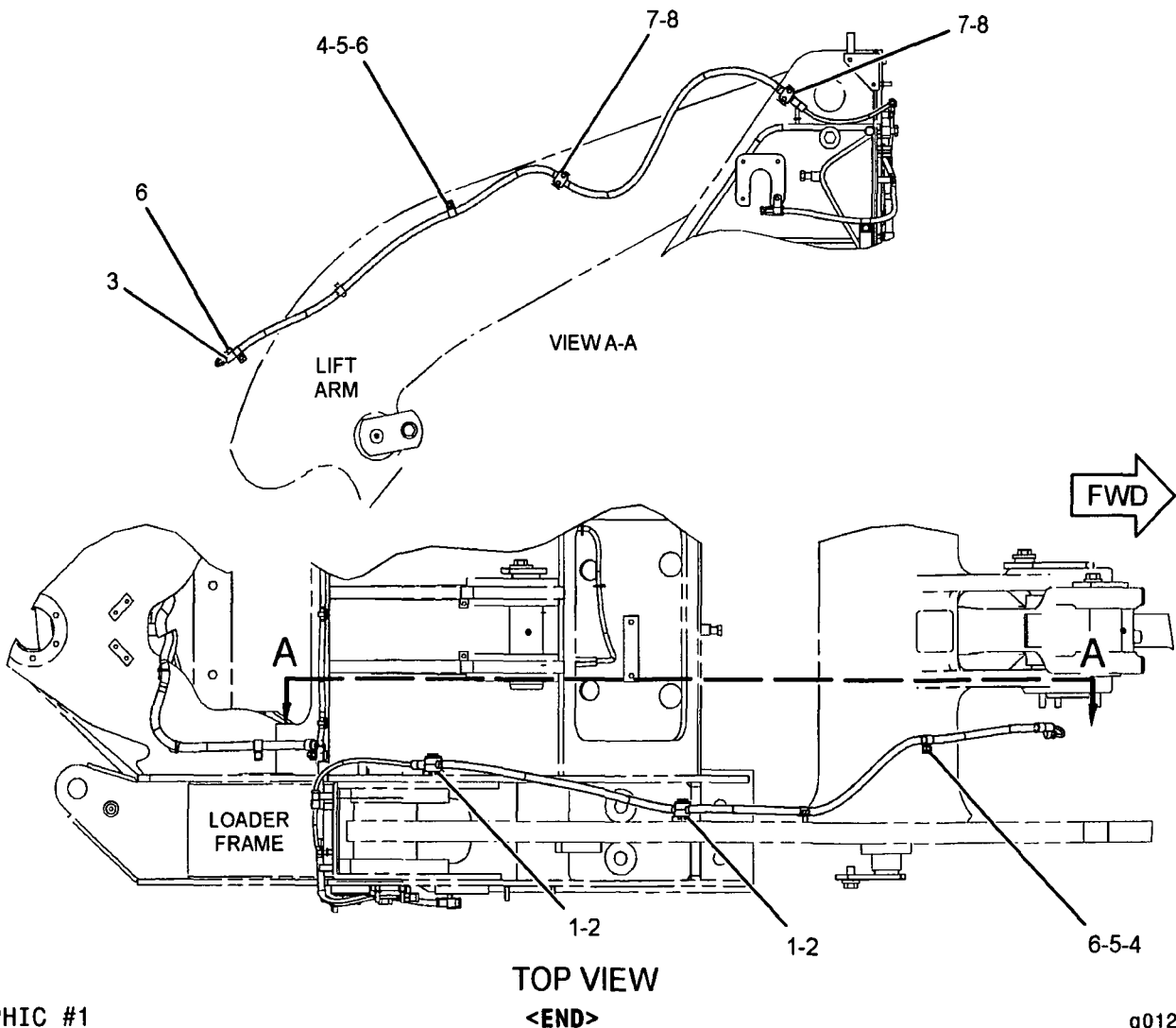
PART OF 237-0235 ELECTRICAL AR  
ALSO AN ATTACHMENT

SMCS-1408

i02437787

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4V-1939	4	CLAMP						
	2	1	107-4749	1	PLATE						
	3	1	271-4011	1	HARNESS AS-SENSOR						
		1	102-8803	1	KIT-RECEPTACLE (3-PIN) (INCLUDES RECEPTACLE AS AND WEDGE)						
		1	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (INCLUDES PLUG AS AND WEDGE)						
	4	1	8T-4121	2	WASHER-HARD (11X21X2.5-MM THK)						
M	5	1	8T-4133	2	NUT (M10X1.5 THD)						
	6	1	9M-8406	3	CLIP						
M	7	1	9X-2480	4	BOLT (M6X1X45-MM)						
	8	1	9X-8256	4	WASHER (6.6X12X2-MM THK)						

M-METRIC PART



GRAPHIC #1

g01227402

# POWER TRAIN

## 164-3018 BRAKE & PLANETARY GP

S/N: N1A1-UP

PART OF 214-6161 AXLE AR-FIXED

AN ATTACHMENT

SMCS-4011, 4255

i02009495

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
1		1	8R-4568	1	PISTON						
2		1	8R-9207	1	SEAL (353.19MM ID)						
3		1	228-0418	1	SEAL AS						
4		1	6Y-2084	1	DISC-FRICTION						
5		1	9C-8418	1	PLATE-REACTION						
6		1	1F-5151	3	DOWEL						
7		1	164-3071	3	GEAR-PLANET (30 TEETH)						
8		1	9C-7727	3	BEARING-SLEEVE						
9		1	9C-9537	6	WASHER-THRUST						
10		1	8T-2925	3	PIN-SPRING						
11		1	8R-1888	3	SHAFT-PLANETARY						
12		1	8R-4571	1	CARRIER-PLANETARY						
13		1	9M-4335	2	DOWEL-REACTION						
14		1	164-6476	1	GEAR-SUN (18 TEETH)						
15		1	149-9112	1	DOWEL-HOLLOW						
16		1	117-1801	1	DOWEL						
17		1	8R-1893	1	GEAR-RING (81 TEETH)						
18		1	2N-2658	1	BOLT-SOCKET HEAD (8-32X15.88MM)						
19		1	096-6166	1	WASHER-HARD (4.5X9X1MM THK)						
20		1	112-0759	1	PLUG						
21		1	138-1645	3	PIN-SPRING						
22		1	149-9114	1	PIN (BRAKE DISC WEAR INDICATOR)						
23		1	150-4651	1	SEAL-O-RING						
24		1	112-0762	3	SPRING						
25		1	117-1803	1	CUP						

# POWER TRAIN

## 103-2007 DIFFERENTIAL GP-LIMITED SLIP

S/N: N1A1-UP  
PART OF 126-7845 AXLE AR-OSCILLATING  
AN ATTACHMENT

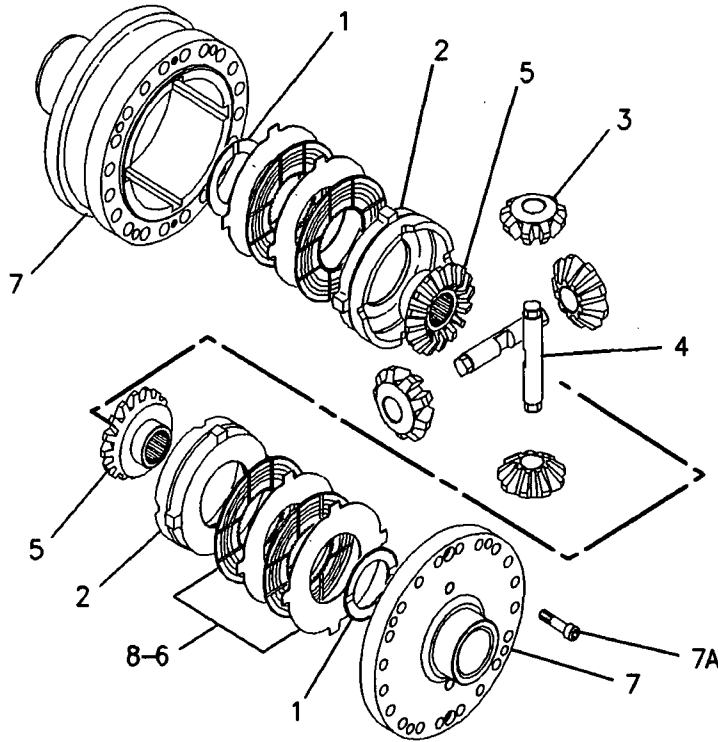
SMCS-3263

i01671852

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	104-3358	2	WASHER-THRUST						
	2	1	104-3355	2	HOUSING-ACTUATOR						
	3	1	104-3353	4	PINION-BEVEL						
	4	1	104-3354	2	SHAFT-PINION						
	5	1	104-3351	2	GEAR-DIFFERENTIAL (16 TEETH)						
B	6	1	104-3357	2	KIT-THICK DISC (12.75 MM THK)						
	7	1	104-3359	1	CASE AS						
JM	7A	1	8T-9515	2	BOLT-SOCKET HEAD (M10X1.5X40MM)						
B	8	1	104-3356	2	KIT-THIN DISC (12.57 MM THK)						

B-USE AS REQUIRED

J-PARTS MARKED J ARE FOR SHIPPING & STORAGE ONLY, REMOVE BEFORE INSTALLATION INTO AXLE  
M-METRIC PART



GRAPHIC #1

<END>

g00864043

# POWER TRAIN

## 112-0738 GEAR GP-BEVEL & PINION

S/N: N1A1-UP

PART OF 214-9398, 214-9402 AXLE AR-FIXED

ALSO AN ATTACHMENT

SMCS-3254, 3256

i00754345

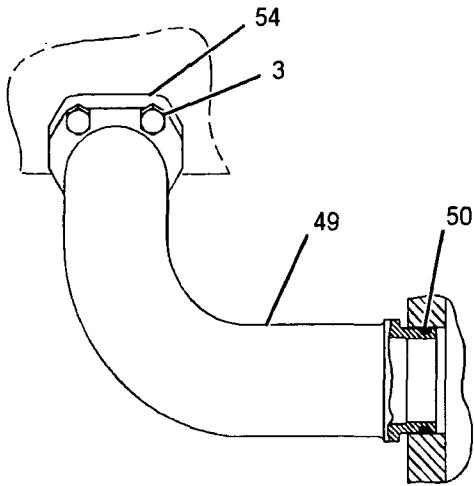
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9U-1913	1	SLEEVE AS						
	2	1	030-0060	1	CUP-ROLLER BEARING						
	3	1	030-0061	1	CONE-ROLLER BEARING						
	4	1	4E-3897	2	LOCK						
M	5	1	4E-3896	2	BOLT (M6X1X14MM)						
	6	1	4E-4031	2	PIN						
	7	1	1J-4757	1	CONE-BEARING						
	8	1	1J-2860	1	CUP-ROLLER BEARING						
	9	1	2D-9455	1	CONE-ROLLER BEARING						
	10	1	2D-9454	1	CUP-ROLLER BEARING						
	11	1	6W-1638	1	WASHER						
M	12	1	9C-8287	1	LOCKNUT-STAKE (M70X1.5 THD)						
	13	1	112-0782	1	YOKE						
	14	1	9V-2429	1	RETAINER						
	15	1	9X-2619	4	PIN-SPRING						
	16	1	9X-2620	4	PIN-SPRING						
	17	1	6Y-2539	1	CONE-ROLLER BEARING						
	18	1	4E-4029	1	NUT-ADJUSTMENT (M190X2 SPL THD)						
	19	1	9U-1912	1	SLEEVE AS						
	20	1	6Y-2540	1	CUP-ROLLER BEARING						
	21	1	2H-3088	1	SEAL-O-RING (50.17MM ID)						
M	22	1	8T-0372	1	BOLT (M12X1.75X90MM)						
	23	1	8R-9215	1	GEAR-BEVEL (44 TEETH)						
	24	1	112-0742	1	SHAFT-BEVEL PINION						
	25	1	4E-4030	1	NUT-ADJUSTMENT (M160X2 SPL THD)						
M	26	1	9X-6493	20	BOLT (M16X2X180 MM)						

M-METRIC PART

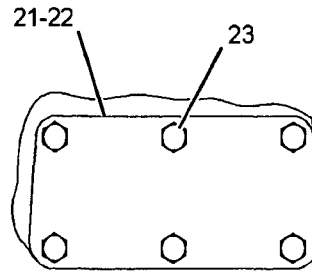
# POWER TRAIN

249-8173 GEAR GP-OUTPUT TRANSFER (contd.)

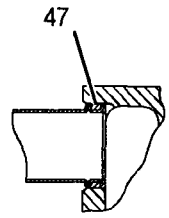
102277632



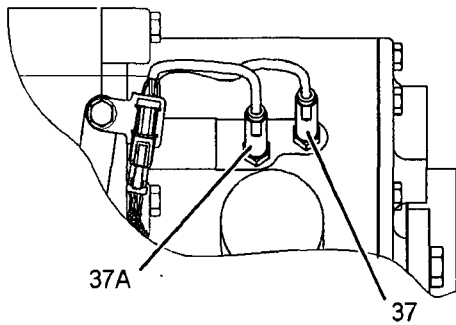
VIEW G-G



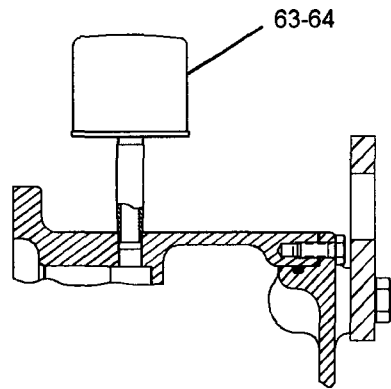
VIEW C-C



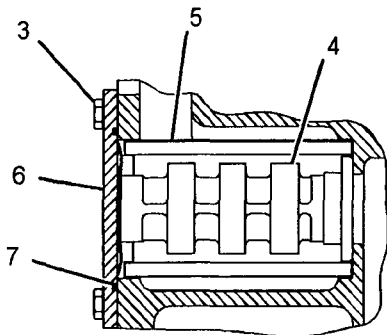
SECTION F-F



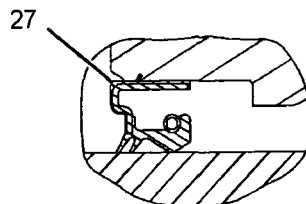
VIEW H-H



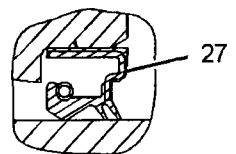
SECTION J-J



SECTION B-B



VIEW OF AREA E



VIEW OF AREA D

GRAPHIC #3

<END>

g01136300

# POWER TRAIN

241-0077 LINES GP-AXLE OIL COOLER (contd.)

i02438880

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	36	3	148-8391	2	ELBOW AS						
					(EACH INCLUDES)						
		3	2S-4078	1	SEAL-O-RING						
		3	5K-9090	1	SEAL-O-RING						
		3	8T-8987	1	ELBOW						
	37	1	148-8454	2	TEE AS						
					(EACH INCLUDES)						
		1	6V-8398	3	SEAL-O-RING						
		1	6V-8789	1	TEE						
	38	2	153-6244	2	ELBOW GP						
					(EACH INCLUDES)						
		2	2M-9780	1	SEAL-O-RING						
		2	6V-9746	1	SEAL-O-RING						
		2	8T-5389	1	ELBOW						
	39	2	164-5598	4	PLUG AS						
					(EACH INCLUDES)						
		2	7M-8485	1	SEAL-O-RING						
		2	8J-0426	1	PLUG						
	40	3	4H-7655	1	CLAMP-TUBE						
	41	3	5D-0718	1	CLIP						
	42	3	5K-2697	1	CLIP						
	43	2	5K-9090	2	SEAL-O-RING						
	44	1,3	5P-7468	2	CLIP (SLOT)						
	45	1,3	5P-7469	2	CLIP (TAB)						
	46	1,3	5P-8444	2	GROMMET						
	47	1,2,3	6V-1889	6	CLIP						
	48	3	6V-9746	2	SEAL-O-RING						
	49	3	7D-4092	1	CLIP						
	50	2,3	7D-7233	5	CLIP						
	51	1,2,3	8T-4121	28	WASHER-HARD (11X21X2.5-MM THK)						
M	52	1,2,3	8T-4133	8	NUT (M10X1.5 THD)						
M	53	1,2,3	8T-4136	7	BOLT (M10X1.5X25-MM)						
M	54	2,3	8T-4137	2	BOLT (M10X1.5X20-MM)						
M	55	3	8T-4186	2	BOLT (M10X1.5X40-MM)						
M	56	1,3	8T-4195	10	BOLT (M10X1.5X30-MM)						
	57	1	8T-4223	2	WASHER-HARD (13.5X25.5X3-MM THK)						

I-REFER TO HYDRAULIC INFORMATION SYSTEM  
M-METRIC PART

# POWER TRAIN

## 186-2522 PLANETARY GP-TRANSMISSION

S/N: FAH1-UP; FAK1-UP

PART OF 237-8186, 237-8187 TRANSMISSION AR

ALSO AN ATTACHMENT

SMCS-3160

i01564009

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	6	1	6Y-7880	4	SHAFT-PLANETARY						
	7	1	4H-4737	4	PIN-SPRING						
	8	1	9G-5828	4	SPRING						
	9	1,2	8D-2714	6	SEAL-O-RING						
	10	1,2	6P-7773	5	RING-SEAL						
	11	1	8P-9723	1	RING-SEAL						
M	12	1	8T-0106	1	BOLT (M12X1.75X100-MM)						
	13	1,2	6Y-5352	15	DISC-FRICTION						
	14	1,2	7G-0437	15	PLATE-CLUTCH						
	15	1,2	7S-4534	8	BEARING-CAGED						
	16	1,2	8E-8299	32	DISC-THRUST						
	17	1	186-2517	1	GEAR-RING (82-TEETH)						
	18	1,2	7G-8121	2	RING-LOCK						
	19	1	176-9273	1	PISTON						
	20	1	6P-7772	1	RING-SEAL						
	21	1	6V-1586	1	RING-RETAINING						
	22	1	7G-5730	1	RING-SEAL						
	23	1,2	110-7450	5	PISTON-CLUTCH						
	24	1,2	7G-6945	8	SPRING						
M	25	1,2	114-9040	15	BOLT (M12X1.75X500-MM THD)						
	26	1	8E-8297	6	DISC-THRUST						
	27	1,2	3S-8109	15	PIN-SPRING						
	28	1	7G-3711	1	GEAR-RING (82-TEETH)						
	29	1	7G-5614	3	SHAFT-PLANETARY						
	30	1	7G-5444	1	CARRIER-PLANETARY						
	31	1	6Y-9713	1	GEAR AS-SUN (44-TEETH)						
	32	1	8S-0527	2	PLUG-CUP						
	33	1	110-7455	1	HOUSING						
	34	1	9M-1503	1	RING-METAL SEAL						
	35	1	9G-1231	1	PLATE						
	36	1	6P-7983	1	RING-RETAINING						
	37	1	3T-9960	5	DISC-FRICTION						
	38	1	6P-7968	4	PLATE-CLUTCH						
	39	1	035-3360	3	RING-RETAINING						
	40	1	9H-5604	1	RING-RETAINING						
	41	1	8E-1666	1	PLATE-RETAINER						
	42	1	9G-1234	5	SPRING-DISC						
	43	1	9N-4460	1	HOUSING AS-CLUTCH						
	44	1	3S-8109	1	PIN-SPRING						
	45	1	4S-8537	1	DOWEL						
	46	1	7X-7608	1	RING-RETAINING						
	47	1	143-4642	1	BEARING-SPECIAL						
	48	1	3P-3441	1	RING-RETAINING						
	49	1	112-7847	1	HOUSING						
	50	1	6Y-7881	1	GEAR-RING (86-TEETH)						
	51	1	6Y-7879	1	CARRIER-PLANETARY						
	52	1	6Y-5952	1	GEAR AS-SUN (42-TEETH)						
	53	1	6Y-2109	1	CARRIER-SEAL						
	54	1	6P-2233	3	GEAR-PLANETARY (20-TEETH)						
	55	1	5P-3131	3	BEARING AS-ROLLER						
	56	1	6P-7985	2	RING-SEAL						
	57	1	186-3402	1	HOUSING AS						
	57A	1	115-0532	1	PLUG-ORIFICE						
	58	1	1A-2223	1	DOWEL						
	59	1	7T-1285	4	GEAR-PLANETARY (23-TEETH)						

# POWER TRAIN

## 131-2777 RIM GP-DEMOUNTABLE

S/N: N1A1-UP

23.5X25

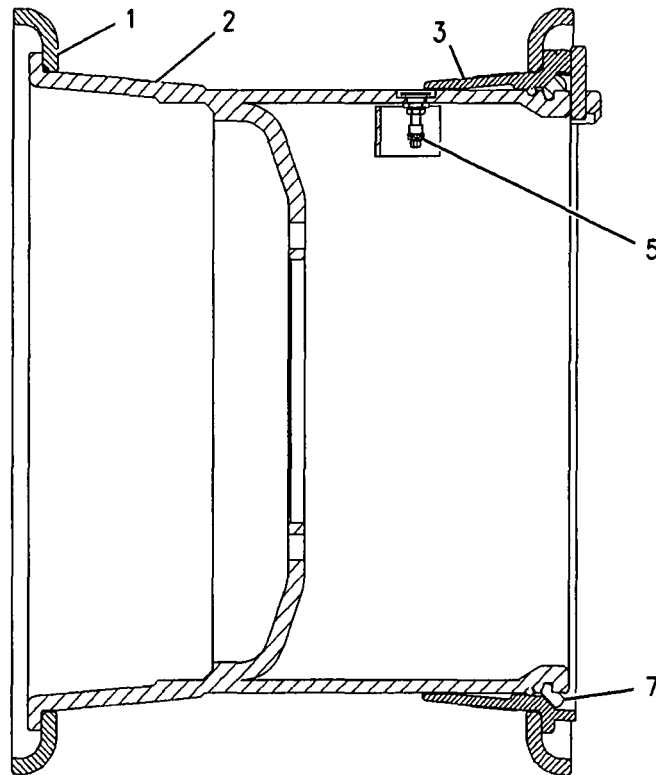
PART OF 151-0160, 156-6124, 171-8085, 183-2546, 188-0422 TIRE & RIM AN  
AN ATTACHMENT

SMCS-4209

i00982936

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	1J-8387	2	FLANGE						
	2	1	131-2778	1	RIM AS						
	3	1	8W-9602	1	BAND AS						
Y	5	1	2D-2511	1	VALVE GP-TIRE						379
	7	1	7D-7469	1	LOCKRING						

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00500324

# POWER TRAIN

## 138-7663 TIRE & RIM AR

S/N: N1A1-UP  
AN ATTACHMENT

SMCS-4202

i02286462

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	138-2373	1	RIM AR						348
	6C-9475	4	TIRE (23.5-25)						

Y-SEPARATE ILLUSTRATION

<END>

## 138-7664 TIRE & RIM AR

S/N: N1A1-UP  
AN ATTACHMENT

SMCS-4202

i02286463

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	138-2373	1	RIM AR						348
	159-4838	1	BLOCK AS-AXLE OSC LIMITER						
	6C-1608	4	TIRE (23.5-25)						

Y-SEPARATE ILLUSTRATION

<END>

## 138-7665 TIRE & RIM AR

S/N: N1A1-UP  
AN ATTACHMENT

SMCS-4202

i02286466

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	138-2373	1	RIM AR						348
	159-4838	1	BLOCK AS-AXLE OSC LIMITER						
	6C-8882	4	TIRE (23.5-R25)						

Y-SEPARATE ILLUSTRATION

<END>

## 138-7666 TIRE & RIM AR

S/N: N1A1-UP  
AN ATTACHMENT

SMCS-4202

i02286469

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	138-2373	1	RIM AR						348
	159-4838	1	BLOCK AS-AXLE OSC LIMITER						
	9C-2230	4	TIRE (23.5-R25)						

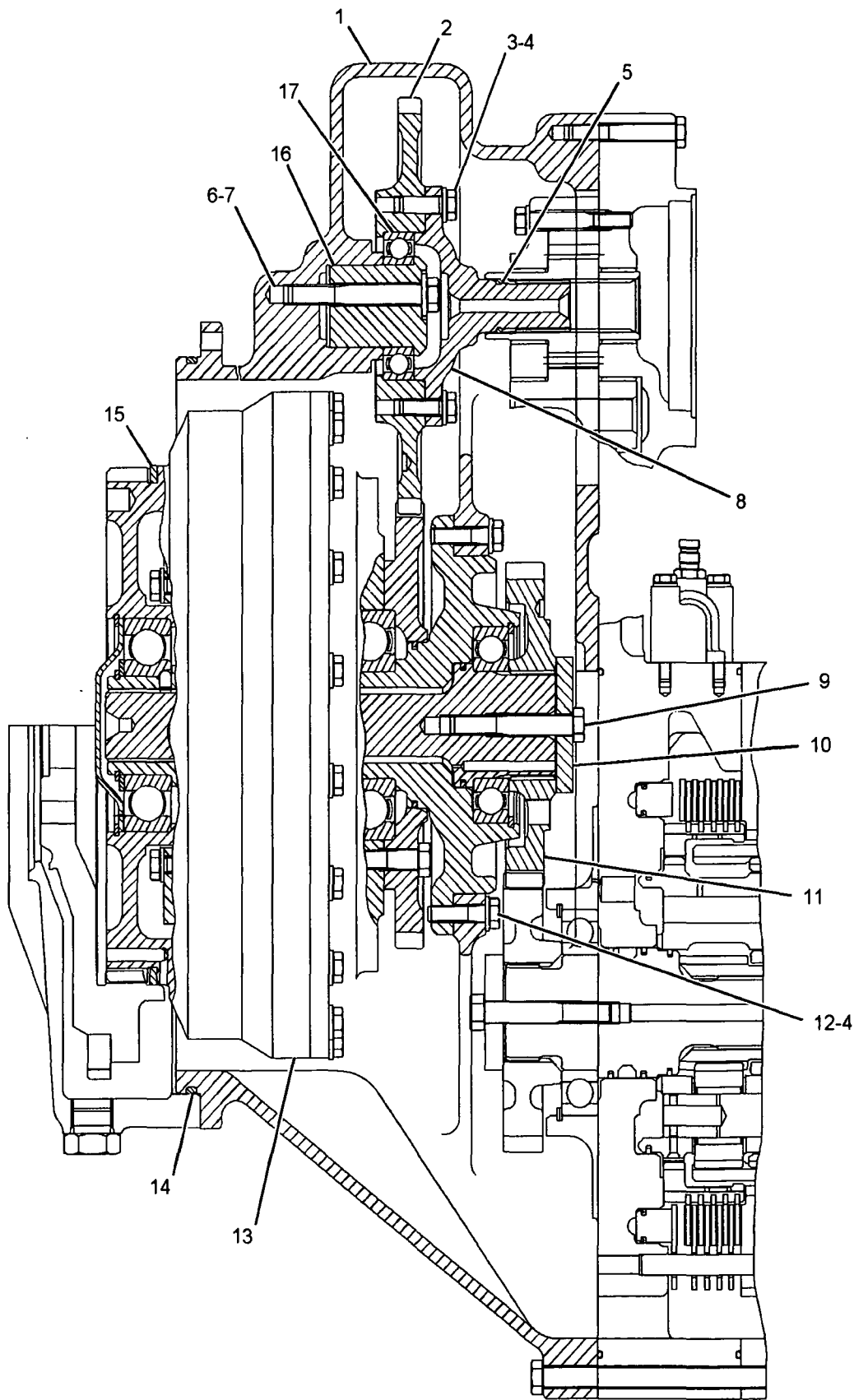
Y-SEPARATE ILLUSTRATION

<END>

# POWER TRAIN

241-9022 TORQUE CONVERTER & HOUSING GP (contd.)

i02265186



SECTION A-A

GRAPHIC #2

<END>

g01128615

# POWER TRAIN

## 2D-2511 VALVE GP-TIRE

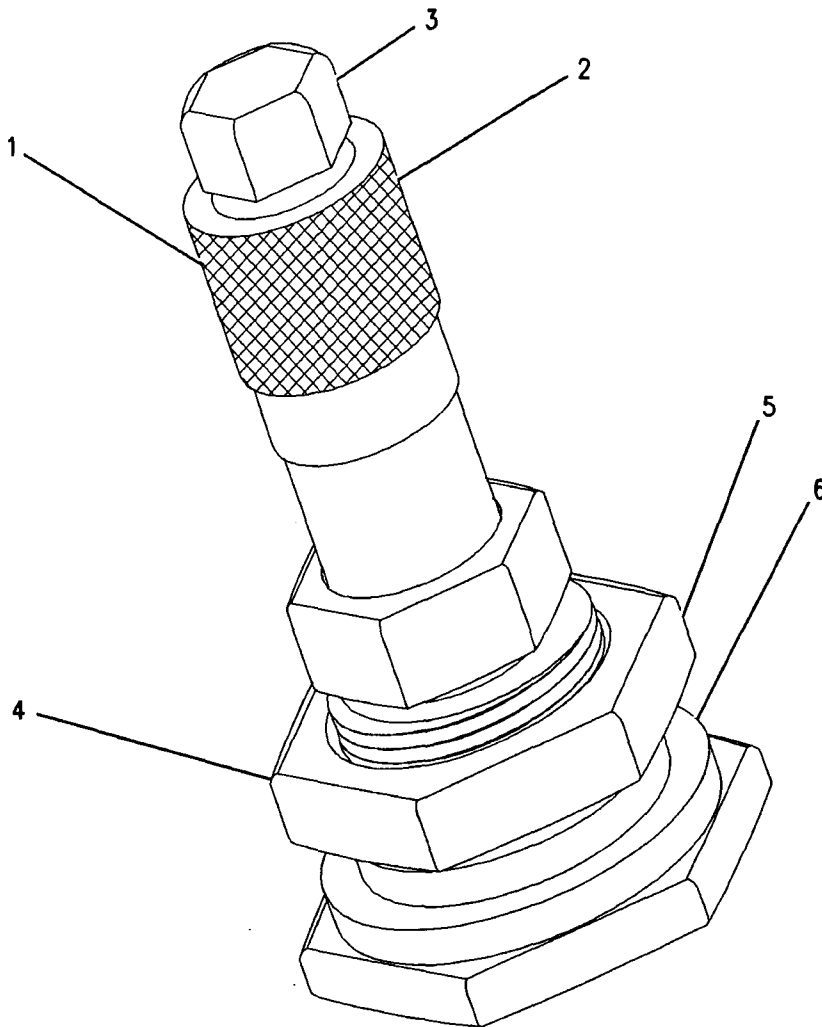
S/N: N1A1-UP

PART OF 131-2777, 206-9278, 246-1579 RIM GP-DEMOUNTABLE  
AN ATTACHMENT

SMCS-4203

i00876166

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3D-2239	1	VALVE AS-TIRE						
	2	1	6F-3930	1	CORE-VALVE						
	3	1	9K-7951	1	CAP-VALVE (STEM)						
	4	1	7D-5252	1	SPUD AS						
	5	1	2D-2509	1	LOCKNUT (11/16-16-THD)						
	6	1	2D-2508	1	GROMMET						



GRAPHIC #1

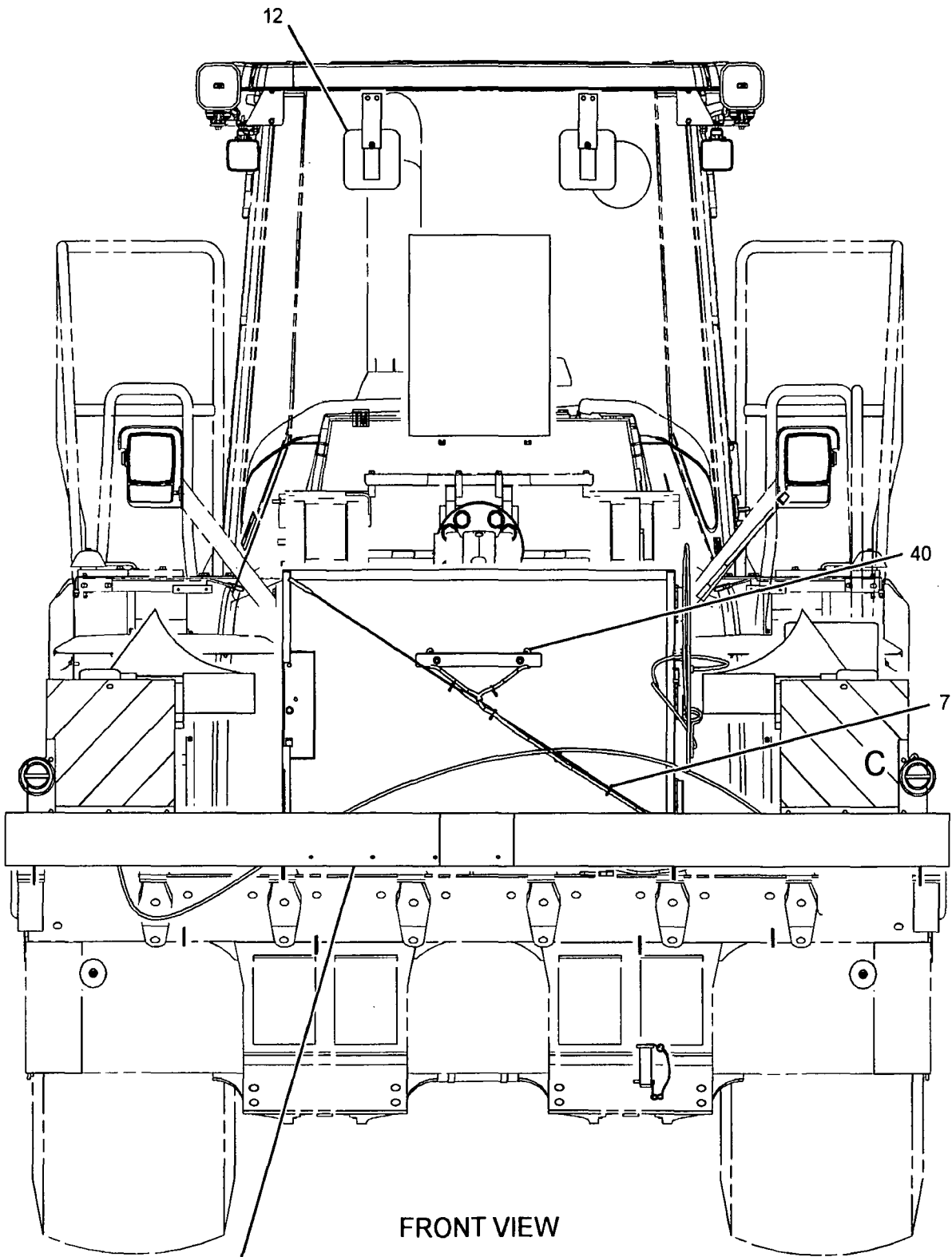
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g00457535

# FRAME AND BODY

250-0705 CONVERSION AR-ROADING (contd.)

i02442467



21-34-36-38

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #1

g01228180

# FRAME AND BODY

## 247-4668 DOOR GP-ACCESS-HOOD SIDE, RH

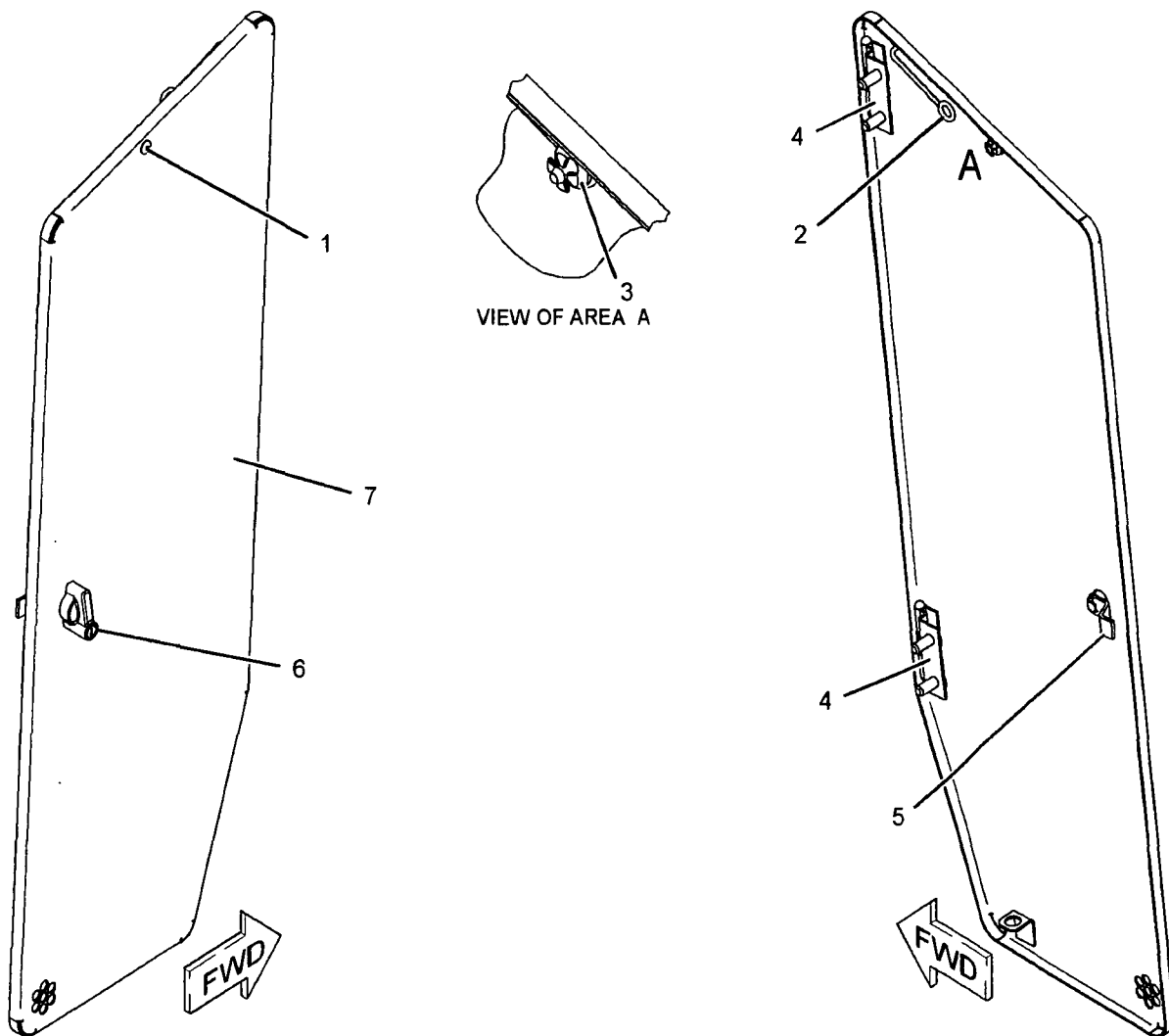
S/N: N1A1-UP

PART OF 251-1700 HOOD & GUARD GP

SMCS-7273

i02460945

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-4604	1	RIVET-POP						
	2	1	8V-7162	1	CABLE						
	3	1	9V-1820	1	SPACER						
	4	1	119-0281	2	HINGE AS						
	5	1	233-4463	1	CAM						
	6	1	233-4466	1	LATCH AS						
	7	1	247-4669	1	DOOR-RH						



GRAPHIC #1

<END>

g01133488

# FRAME AND BODY

275-8388 FENDER GP-ROADING (contd.)

i02424405

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	48	1,2	7X-7729	48	WASHER (11X25X3-MM THK)						
M	49	1	8T-0389	16	LOCKNUT (M10X1.15-THD)						
	50	2	8T-3985	2	KNOB						
M	51	1	8T-4122	18	WASHER-HARD (17X32X3.5-MM THK)						
M	52	2	8T-4133	2	NUT (M10X1.5 THD)						
M	53	1,2	8T-4136	14	BOLT (M10X1.5X25-MM)						
M	54	1,2	8T-4137	28	BOLT (M10X1.5X20-MM)						
M	55	2	8T-4191	6	BOLT (M10X1.5X16-MM)						
M	56	2	8T-4192	8	BOLT (M12X1.75X25-MM)						
	57	2	8T-4223	8	WASHER-HARD (13.5X25.5X3-MM THK)						
M	58	1	8T-6594	6	BOLT-SOCKET HEAD (M16X2X35-MM)						
M	59	2	9X-2041	6	SCREW-TRUSS HEAD (M10X1.5X20-MM)						
	60	1	9X-6165	30	WASHER (6.5X22X2.5-MM THK)						
E	61	1	246-0435	2	SEAL (138.4-CM EACH)						

E-ORDER BY THE CENTIMETER

M-METRIC PART

Y-SEPARATE ILLUSTRATION

# FRAME AND BODY

## 247-8557 GUARD GP-ARTICULATION

S/N: N1A1-UP

PART OF 244-6607 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7150

i02281643

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5P-7211	1	SEAL						
	2	1	246-2392	1	COVER AS (LH)						
	3	1	246-2393	1	COVER AS (RH)						
	4	1	251-9739	1	COVER AS-CYLINDER						
M		1	8T-3490	4	NUT-WELD (M10X1.5-THD)						
	5	1	251-9742	1	GUARD AS-HITCH						
	6	1	251-9746	1	BAFFLE AS						
	7	1	251-9750	1	PLATE						
	8	1	251-9751	1	BOX AS-BATTERY						
	9	1	251-9752	1	ENCLOSURE AS-SERVICE CENTER						
	10	1	4Y-3046	10	WASHER (13.5X38X3-MM THK)						
	11	1	5P-1076	12	WASHER-HARD (13.5X30X4-MM THK)						
	12	1	8T-4121	7	WASHER-HARD (11X21X2.5-MM THK)						
M	13	1	8T-4133	2	NUT (M10X1.5 THD)						
M	14	1	8T-4137	5	BOLT (M10X1.5X20-MM)						
M	15	1	8T-4139	3	BOLT (M12X1.75X30-MM)						
M	16	1	8T-4244	19	NUT (M12X1.75-THD)						

M-METRIC PART

# FRAME AND BODY

## 247-8558 GUARD GP-POWER TRAIN

S/N: N1A1-UP

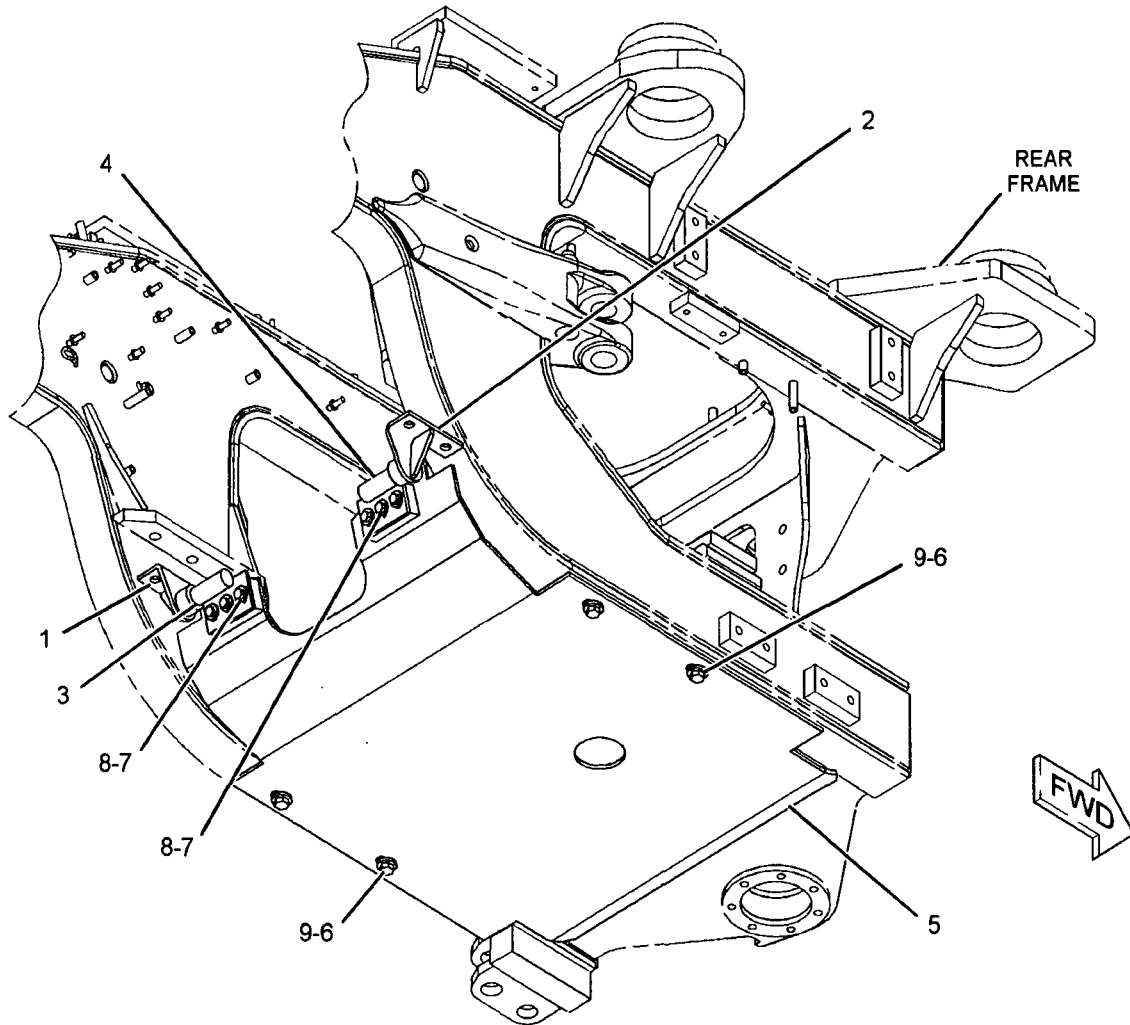
PART OF 244-6607 WASTE HANDLING AR  
AN ATTACHMENT

SMCS-7153

i02281592

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	196-1093	1	BRACKET AS						
	2	1	196-1094	1	BRACKET AS						
	3	1	250-2320	1	PIN AS						
	4	1	250-2321	1	PIN AS						
	5	1	250-2326	1	DOOR AS						
	6	1	3E-9411	4	WASHER-HARD (17.5X38X6-MM THK)						
	7	1	5P-1076	6	WASHER-HARD (13.5X30X4-MM THK)						
M	8	1	8T-4139	6	BOLT (M12X1.75X30-MM)						
M	9	1	8T-4779	4	BOLT (M16X2X35-MM)						

M-METRIC PART



GRAPHIC #1

<END>

g01134378

# FRAME AND BODY

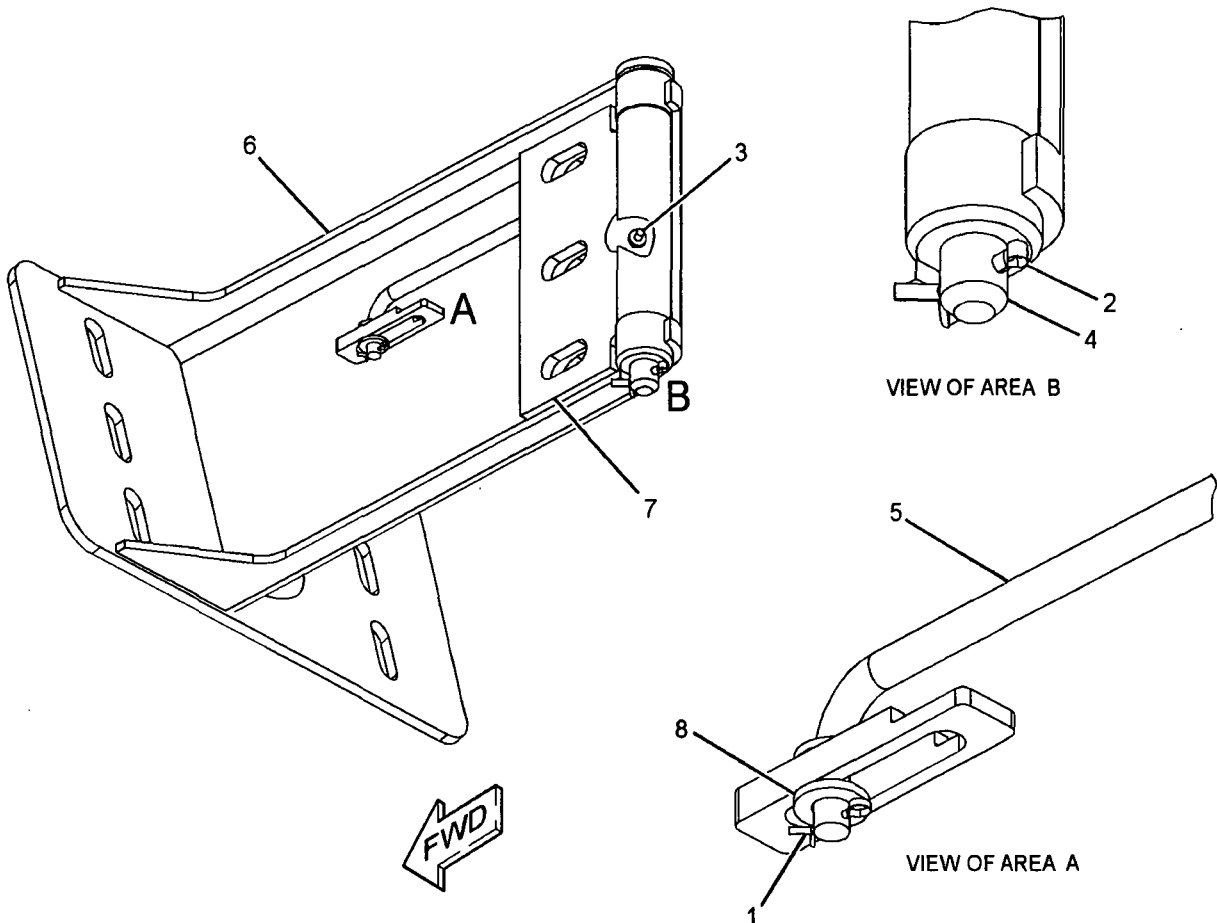
## 276-1187 HINGE GP-ROADING FENDER-RH

S/N: N1A1-UP  
PART OF 275-8388 FENDER GP-ROADING  
AN ATTACHMENT

SMCS-7252

i02424418

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	3B-4605	1	PIN-COTTER						
	2	1	3B-4629	1	PIN-COTTER						
	3	1	3B-8489	1	FITTING-GREASE						
	4	1	132-1928	1	PIN AS						
	5	1	274-7066	1	ROD AS						
	6	1	276-1188	1	CHANNEL AS						
	7	1	276-2124	1	HINGE AS (RH)						
	8	1	8T-4121	1	WASHER-HARD (11X21X2.5-MM THK)						



GRAPHIC #1

<END>

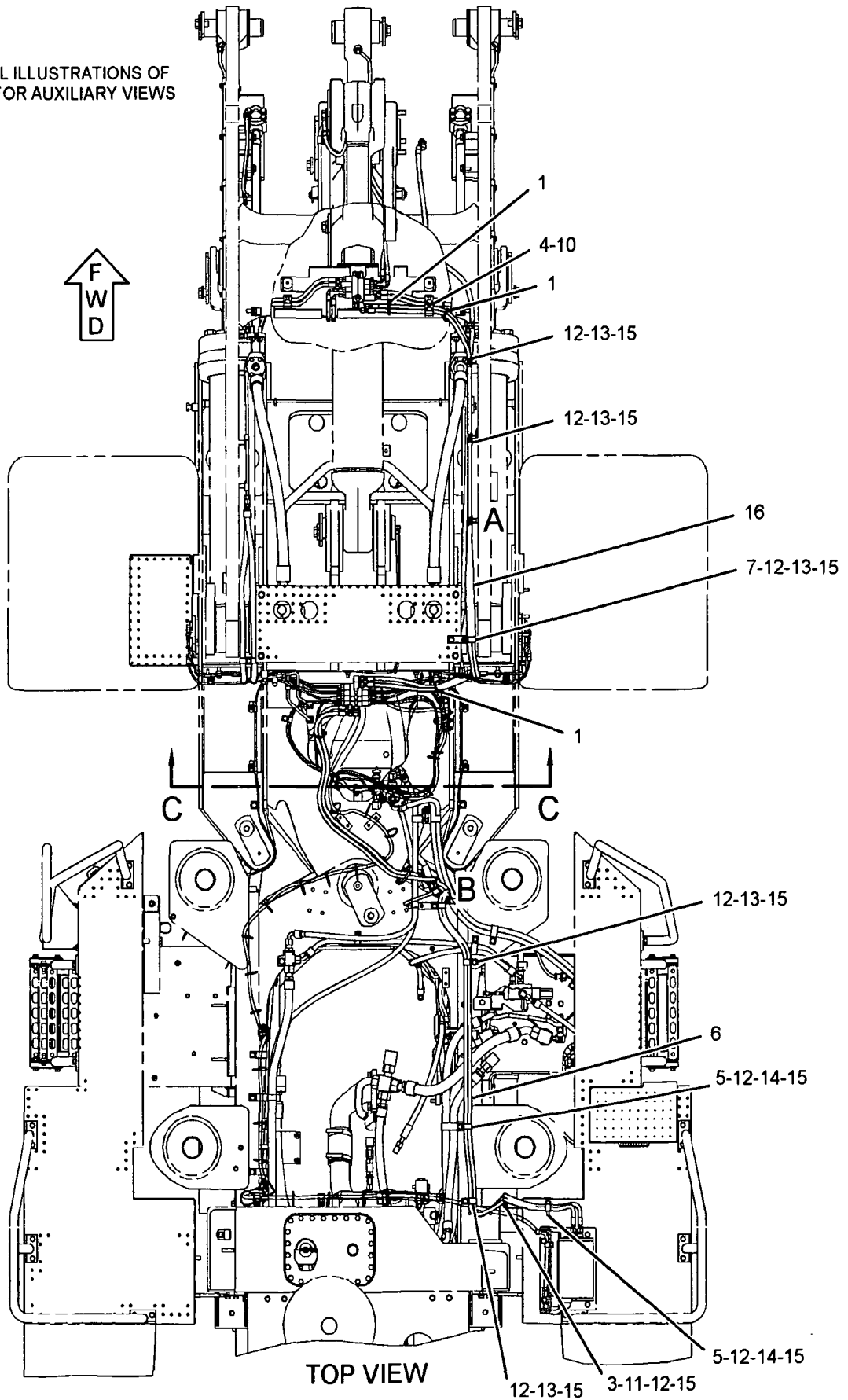
g01219795

# FRAME AND BODY

281-0626 LINES GP-AUTOMATIC LUBRICATION (contd.)

i02429873

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS



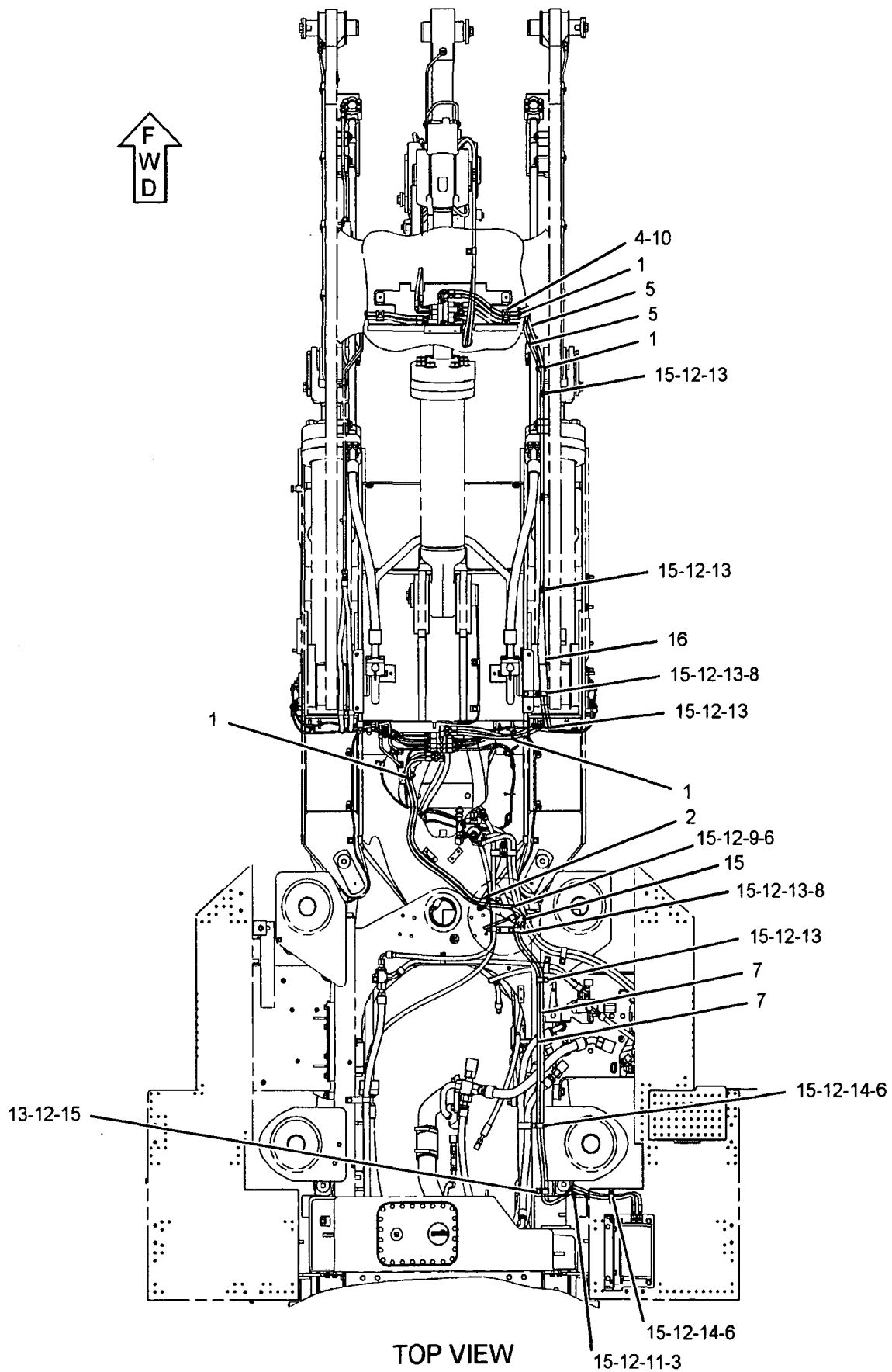
GRAPHIC #1

g01211355

# FRAME AND BODY

269-2010 LINES GP-LUBRICATION (contd.)

i02428707



GRAPHIC #1

TOP VIEW

<END>

g01222833

# FRAME AND BODY

## 245-4083 PANEL GP-SIDE

S/N: N1A1-UP

PART OF 237-0234 CHASSIS AR

SMCS-7267

i02437663

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	4E-1384	4	BUMPER-CONICAL						
	2	1	245-4094	1	INSULATION						
	3	1	253-2538	1	PANEL-OUTER (LH)						
	4	1	253-2539	1	PANEL-OUTER (RH)						
	5	1	253-2540	1	PLATE AS (LH)						
	6	1	253-2541	1	PLATE AS (RH)						
	7	1	253-2547	1	SUPPORT AS (RH)						
	8	1	253-2548	1	SUPPORT AS (LH)						
	9	1	253-2550	1	PLATE AS						
	10	1	253-2553	1	PLATE AS						
	11	1	253-2555	1	PLATE AS-SUPPORT						
	12	1	253-2556	1	PLATE AS-SUPPORT						
M	13	1	5C-7261	4	NUT (M8X1.25-THD)						
	14	1	7X-0589	4	WASHER-HARD (12X28.5X5-MM THK)						
	15	1	7X-7729	36	WASHER (11X25X3-MM THK)						
M	16	1	8T-0389	14	LOCKNUT (M10X1.15-THD)						
M	17	1	8T-4133	4	NUT (M10X1.5 THD)						
M	18	1	8T-4183	6	BOLT (M12X1.75X40-MM)						
M	19	1	8T-4186	4	BOLT (M10X1.5X40-MM)						
M	20	1	8T-4195	18	BOLT (M10X1.5X30-MM)						
	21	1	8T-4223	6	WASHER-HARD (13.5X25.5X3-MM THK)						
D	23	1	5P-7483		SEAL (0.1-M EACH)						
E	24	1	167-0608		SEAL (27.5-CM EACH)						
E	24A	1	167-0608		SEAL (9.5-CM EACH)						
E	25	1	246-0435		SEAL (132-CM EACH)						

D-ORDER BY THE METER  
 E-ORDER BY THE CENTIMETER  
 M-METRIC PART

# FRAME AND BODY

## 200-0008 SUPPORT GP-VALVE & FILTER-SERVICE CENTER

S/N: N1A1-UP

PART OF 237-0234 CHASSIS AR

SMCS-4263, 5068

i02437656

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	2G-1388	1	LATCH						
	2	1	3B-4611	1	PIN-COTTER						
	3	1	245-6175	1	ROD AS						
	4	1	246-4365	1	ENCLOSURE AS-SERVICE CENTER						
	5	1	246-4366	1	DOOR AS-ACCESS (HYD FILTER, BRAKE ACCUMULATOR)						
	6	1	246-4374	1	DOOR GP-ACCESS (REMOTE PRESSURE TAPS)						
		1	8R-2566	1	HINGE						
M		1	8T-3490	2	NUT-WELD (M10X1.5-THD)						
M	7	1	7X-2553	8	BOLT (M16X2X40-MM)						
	8	1	8T-4121	10	WASHER-HARD (11X21X2.5-MM THK)						
M	9	1	8T-4133	2	NUT (M10X1.5 THD)						
M	10	1	8T-4136	9	BOLT (M10X1.5X25-MM)						
M	11	1	8T-4139	2	BOLT (M12X1.75X30-MM)						
	12	1	8T-4223	2	WASHER-HARD (13.5X25.5X3-MM THK)						
	13	1	9X-8257	8	WASHER (17.5X30X3.5-MM THK)						

M-METRIC PART

# FRAME AND BODY

## 262-4834 VALVE GP-LUBE DISTRIBUTION-FRONT

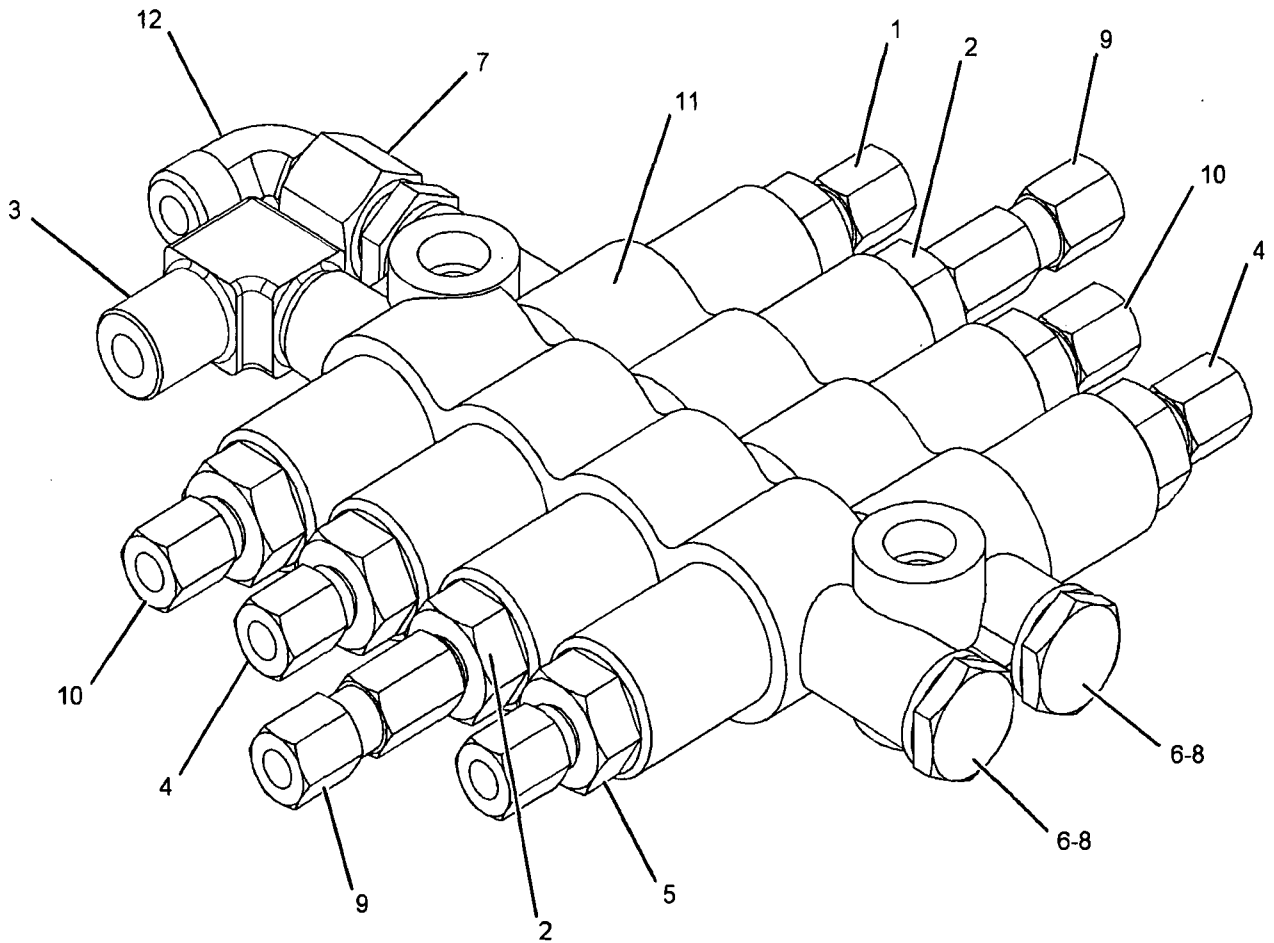
S/N: N1A1-UP

PART OF 281-0630 VALVE & LINES GP-LUBRICATION  
AN ATTACHMENT

SMCS-7540

i02246476

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	177-3517	1	INJECTOR-GREASE						
	2	1	177-3518	2	INJECTOR-GREASE						
	3	1	178-2737	1	COUPLING						
	4	1	178-2740	2	INJECTOR						
	5	1	178-2746	1	INJECTOR						
	6	1	179-1660	2	PLUG						
	7	1	179-1661	1	COUPLING						
	8	1	192-5987	2	GASKET						
	9	1	192-6036	2	CONNECTOR						
	10	1	192-6212	2	INJECTOR						
	11	1	248-7538	1	BLOCK-HYDRAULIC						
	12	1	253-9795	1	ELBOW						



GRAPHIC #1

<END>

g01132378

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	185		656		206		941
	328		659		263	6V-9850 . . . . .	111
	502	6V-8637 . . . . .	516	6V-9027 . . . . .	40		113
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	519		620	6V-9168 . . . . .	616		526
	520	6V-8639 . . . . .	520	6V-9169 . . . . .	503		605
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	526	6V-8641 . . . . .	516	6V-9170 . . . . .	621		647
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