TECHNICAL MANUAL

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

ROLLER, VIBRATORY, SELF-PROPELLED, Type II

CATERPILLAR MODEL CS-563D

NSN 3895-01-456-2735 (Type II)

Contract No. DAAE07-98-C-S007

Approved for public release;
distribution is unlimited.

TABLE OF CONTENTS

Name	Page
GENERAL INFORMATION	A3
REPAIR ALTERNATIVES	A6
SUPPLEMENTAL COOLANT ADDITIVES	A7
MAINTENANCE PARTS	A8
INDEX	A10
MACHINE ARRANGEMENT	1
MODIFICATION AR	1
GENERAL AR	2
ENGINE ARRANGEMENT	3
ENGINE AR	3
INSTALLATION AR - ENGINE	4
BASIC ENGINE	5
CAMSHAFT GP	5
CARRIER GP - SEAL	6
COVER GP - CYLINDER BLOCK	7
COVER GP - FRONT HOUSING	8
COVER GP-VALVE MECHANISM	9
CRANKSHAFT GP	10
CYLINDER BLOCK GP	11
CYLINDER HEAD AS	13
CYLINDER HEAD GP	14
DAMPER & PULLEY GP	17
DRAIN GP - OIL PAN	18
DRIVE GP - PUMP	19
DRIVE GP - WATER PUMP	20
FLYWHEEL GP	21
GEAR GP - FRONT	22
HOUSING GP - FLYWHEEL	23
HOUSING GP - FRONT	24
LIFTING GP - ENGINE	25
MECHANISM GP - FUEL PUMP & VALVE	26
MOUNTING GP - ENGINE FLEXIBLE	27
PAN GP - OIL	28
PISTON & ROD GP	29
PULLEY GP - CRANKSHAFT	30
ROCKER ARM GP	31
SEAL GP - CRANKSHAFT	32
LUBRICATION SYSTEM	33
BREATHER GP	33
FILLER GP - ENGINE OIL	34
FILTER GP - ENGINE OIL	35
FUMES DISPOSAL GP	36
GAUGE GP - OIL LEVEL (DIPSTICK)	37
LINES GP - ENGINE OIL	38
LINES GP - TURBOCHARGER OIL	39
PUMP GP - ENGINE OIL	40
COOLING SYSTEM	42
COOLER GP - ENGINE OIL	42
FAN GP - SUCTION	43
MOTOR GP – FAN	42.1
LINES GP - HYDRAULIC OIL COOLER	44
LINES GP - WATER	46
PUMP GP - WATER	48
RADIATOR & OIL COOLER GP	50
AIR INLET AND EXHAUST SYSTEM	52
AIR CLEANER GP	52
MANIFOLD GP - EXHAUST	55
MANIFOLD GP - INLET	56
MUFFLER GP	57
TURBOCHARGER GP	58
FUEL SYSTEM	60
BASE GP - FUEL FILTER	60
CONTROL GP - FUEL INJECTION	61
CONTROL GP - GOVERNOR	62
DRIVE GP - GOV & TRANSFER PUMP	64
FASTENER GP - FUEL INJ PUMP	66
GOVERNOR GP	67
GOVERNOR GP - UNIT INJECTOR	68
LINES GP - FUEL FILTER	74
LINES GP - FUEL RATIO CONTROL	78
LINES GP - GOVERNOR OIL	79
PUMP GP - UNIT INJECTION	80
SEPARATOR GP - WATER	81
TANK GP - FUEL	82
VALVE GP - CHECK	84
ELECTRICAL AND STARTING SYSTEM	85
ALARM GP	85
ALTERNATOR GP - CHARGING	86
BATTERY & WIRING GP	90
CONTROL GP - PUMP ELECTRONIC	94
ELECTRICAL AR	95
HEATER GP - AIR INLET	96
LAMP GP - FLOOD	97
LIGHTING GP - FLOOD	98
MOTOR GP - ELECTRIC	101
SOLENOID GP - SHUTOFF	102
SOLENOID GP - THROTTLE	103
STARTING AID GP - ETHER	104
STARTING MOTOR GP - ELECTRIC	106
SWITCH GP - MAGNETIC	109
WARNING GP - BACKUP	110
WIRING GP - ETHER STARTING AID	111
WIRING GP - MACHINE	112
POWER TRAIN	115
AXLE & MTG GP - DRIVE	115
AXLE GP - DRIVE	116
DRIVE GP - DRUM	120, 121
DRUM GP - DRIVE & VIBRATORY	122

TABLE OF CONTENTS (CONT)

Name	Page
DRUM GP - PADDED	123
DRUM GP - SMOOTH	124
FINAL DRIVE GP	126, 127.1
GEARBOX GP - WHEEL DRIVE	128
HYDRAULIC AR - PROPEL	129
INSTALLATION GP - DRUM	130
LINES GP - PROPEL	132
MOTOR & MTG GP - PROPEL	136
MOTOR GP - PISTON	138
POWER TRAIN AR	144
PUMP & MTG GP - PROPEL	146
ROTATING GP - MOTOR	148
WHEEL & TIRE GP	149
FRAME AND BODY	151
ACTUATOR GP - HOOD TILT	151
BUMPER GP - FRONT	152
CHASSIS AR	154
ENCLOSURE GP - ENGINE	156
FRAME GP - FRONT	158
FRAME GP - REAR	159
GUARD GP - LIGHT	160
HITCH GP - OSCILLATING	162
HOOD GP - ENGINE	164
MOUNTING GP - BRACKET	166
STEP GP	167
TILT GP - HOOD	168
BRAKING SYSTEM	170
CONTROL GP - BRAKE	170
STEERING SYSTEM	172
CONTROL GP - STEERING	172
CYLINDER & MTG GP - STEERING	174
LINES GP - STEERING	176
LINES GP - STEERING CYLINDER	178
PUMP & MTG GP - STEERING	180
PUMP GP - METERING	182
HYDRAULIC SYSTEM	184
CAP GP - HYDRAULIC OIL TANK	184
CYLINDER GP - HYDRAULIC	189
FILTER & MTG GP - HYDRAULIC	194
FILTER GP - HYDRAULIC	196
HEAD GP - PUMP	198
HYDRAULIC AR - AUXILIARY	202
LINES GP - AUXILIARY HYDRAULIC	203
LINES GP - BLADE	204
LINES GP - HYDRAULIC FILTER	206
MOTOR GP - PISTON	208
PUMP GP - GEAR	210
PUMP GP - HYDRAULIC	211
PUMP GP - PISTON	212
ROTATING GP - PUMP	216
TANK & MTG GP - HYDRAULIC	222
TANK GP - HYDRAULIC	224
VALVE & MTG GP - CONTROL	225
VALVE & MTG GP - MANIFOLD	228
VALVE GP - CONTROL	230
VALVE GP - MANIFOLD	235
VALVE GP - PRESSURE CONTROL	236
VALVE GP - RELIEF	237
VALVE GP - SOLENOID	238
IMPLEMENTS	239
BLADE GP - LEVELING	240
VIBRATORY SYSTEM	242
DRIVE GP - SUPPORT & VIBRATORY	242
FILTER & MTG GP - HYDRAULIC	244
HOUSING HP - ECCENTRIC WEIGHT	246
HYDRAULIC AR - VIBRATORY	250
LINES GP - VIBRATORY	252
MOTOR & MTG GP - VIBRATORY	254
PUMP & MTG GP - VIBRATORY	255
SHAFT GP - ECCENTRIC WEIGHT	256
SUPPORT GP - VIBRATORY	258
OPERATOR STATION	260
CONSOLE GP - OPERATOR	260
CONTROL GP - SPEED & DIRECTION	262
GAUGE GP - VIBRATIONS PER MINUTE	264
HANDHOLD GP	266
MODULE GP - WARNING INDICATOR	267
MOUNTING GP - RIFLE BRACKET	268
OPERATOR AR	269
PANEL GP - INSTRUMENT	270
PLATFORM GP - OPERATOR	278
ROPS GP	280
SEAT & MOUNTING GP	281
SEAT GP - ADJUSTABLE	282
SERVICE EQUIPMENT AND SUPPLIES	283
FILM GP	284
KIT - FILTER	286
PLATE & FILM GP	288
TOOL BOX GP	290
SPECIAL TOOLS	291
PART NUMBER INDEX	B1
NSN CROSS REFERENCE	C1

GENERAL INFORMATION

1. MACHINE IDENTIFICATION

Caterpillar machines are identified by Product Information 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.

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

SIS ***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. MAINENANCE 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.

6. INDEX

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

7. PART NUMBER INDEX

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

8. CAPTIONS

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

SIS ***New Feature***

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

GENERAL INFORMATION

9. NON-SERVICED PARTS

SIS *New Feature*

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

10. PARTS LIST REFERENCE NUMBERS

SIS *New Feature*

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

11. INDENTED PART NAMES

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

12. ILLUSTRATION REFERENCE LETTERS

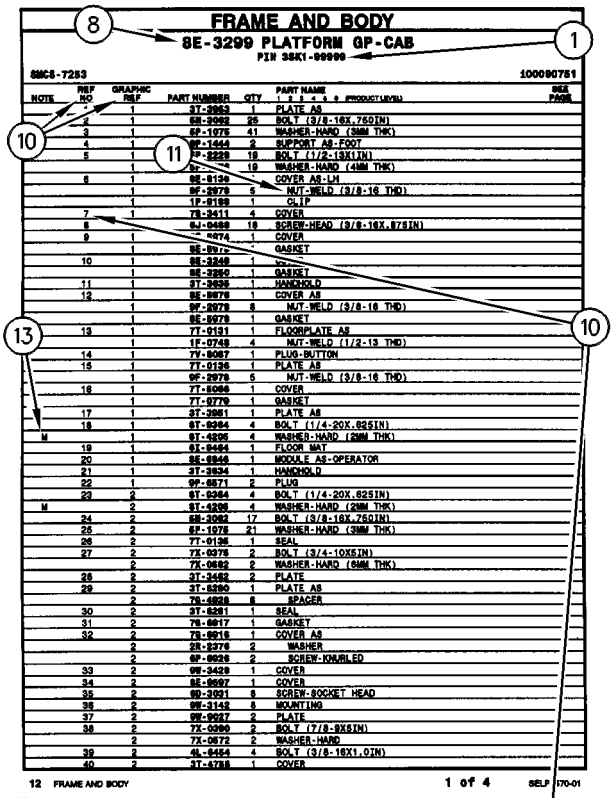
When necessary, illustrations contain reference letters (A, B, C etc.) that are intended to track lines and harnesses from one point to another. They are also used to show where to reconnect illustrations that have been separated.

13. ABBREVIATIONS AND SYMBOLS

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

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

GENERAL INFORMATION



FRAME AND BODY

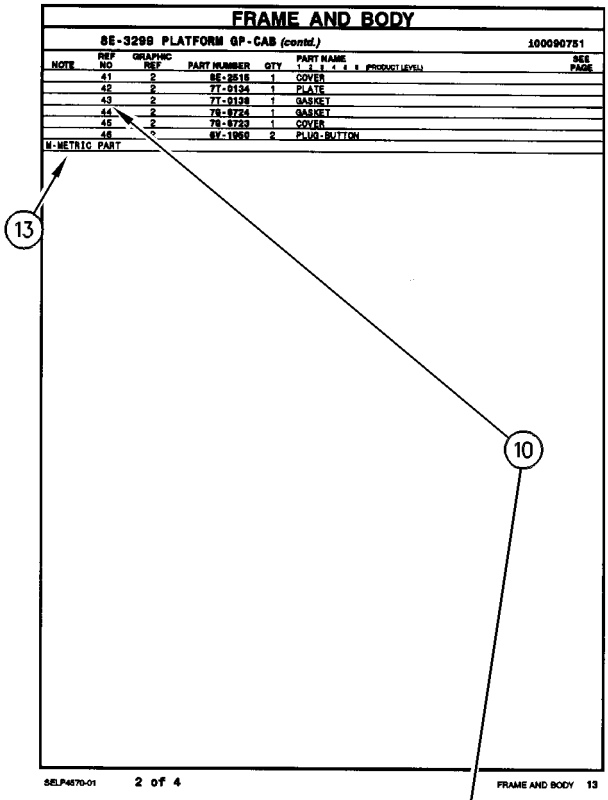
8E-3299 PLATFORM GP-CAB

PIN 38K1-99999

SMCS-7283 100090751

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	3T-3963	1	PLATE AS	
	2	1	6H-3982	25	BOLT (3/8-16X.750IN)	
	3	1	6P-1075	41	WASHER-HARD (38M THK)	
	4	1	9P-1444	2	SUPPORT AS-FOOT	
	5	1	9P-2228	18	BOLT (1/2-13X1IN)	
		1	[illegible]	19	WASHER-HARD (44M THK)	
	6	1	9E-9139		COVER AS-LH	
		1	9F-2978	6	NUT-WELD (3/8-16 THD)	
		1	1P-0189	1	CLIP	
	7	1	7X-3411	4	COVER	
	8		6J-9488	19	SCREW-HEAD (3/8-16X.875IN)	
	9	1	[illegible]474	1	COVER	
		1	9E-9[illegible]	1	GASKET	
	10	1	9E-3249	1	[illegible]	
		1	9E-3250	1	GASKET	
	11	1	3T-3635	1	HANDHOLD	
	12	1	9E-9978	1	COVER AS	
		1	9F-2978	6	NUT-WELD (3/8-16 THD)	
		1	9E-9979	1	GASKET	
	13	1	7T-0131	1	FLOORPLATE AS	
		1	1F-0748	4	NUT-WELD (1/2-13 THD)	
	14	1	7Y-6067	1	PLUG-BUTTON	
	15	1	7T-0138	1	PLATE AS	
		1	9F-2979	5	NUT-WELD (3/8-16 THD)	
	16	1	7T-6066	1	COVER	
		1	7T-0779	1	GASKET	
	17	1	3T-3951	1	PLATE AS	
	18	1	6T-9364	4	BOLT (1/4-20X.625IN)	
M		1	6T-4295	4	WASHER-HARD (28M THK)	
	19	1	6T-9464	1	FLOOR MAT	
	20	1	9E-9949	1	MODULE AS-OPERATOR	
	21	1	3T-3934	1	HANDHOLD	
	22	1	9P-6571	2	PLUG	
	23	2	6T-9364	4	BOLT (1/4-20X.625IN)	
M		2	6T-4295	4	WASHER-HARD (28M THK)	
	24	2	6H-3982	17	BOLT (3/8-16X.750IN)	
	25	2	6P-1076	21	WASHER-HARD (38M THK)	
	26	2	7T-0135	1	SEAL	
	27	2	7X-0375	2	BOLT (3/4-10X5IN)	
		2	7X-0682	2	WASHER-HARD (64M THK)	
	28	2	3T-3482	2	PLATE	
	29	2	3T-6280	1	PLATE AS	
		2	7N-6828	6	SPACER	
	30	2	3T-6281	1	SEAL	
	31	2	7E-6917	1	GASKET	
	32	2	7E-9915	1	COVER AS	
		2	2R-2378	2	WASHER	
		2	6P-9628	2	SCREW-KNURLED	
	33	2	9N-3429	1	COVER	
	34	2	8E-9597	1	COVER	
	35	2	9D-3091	8	SCREW-SOCKET HEAD	
	36	2	9N-3142	6	MOUNTING	
	37	2	9N-9227	2	PLATE	
	38	2	7X-0990	2	BOLT (7/8-9X6IN)	
		2	7X-0672	2	WASHER-HARD	
	39	2	4L-6454	4	BOLT (3/8-16X1.0IN)	
	40	2	3T-4788	1	COVER	

12 FRAME AND BODY 1 of 4 SELP4570-01



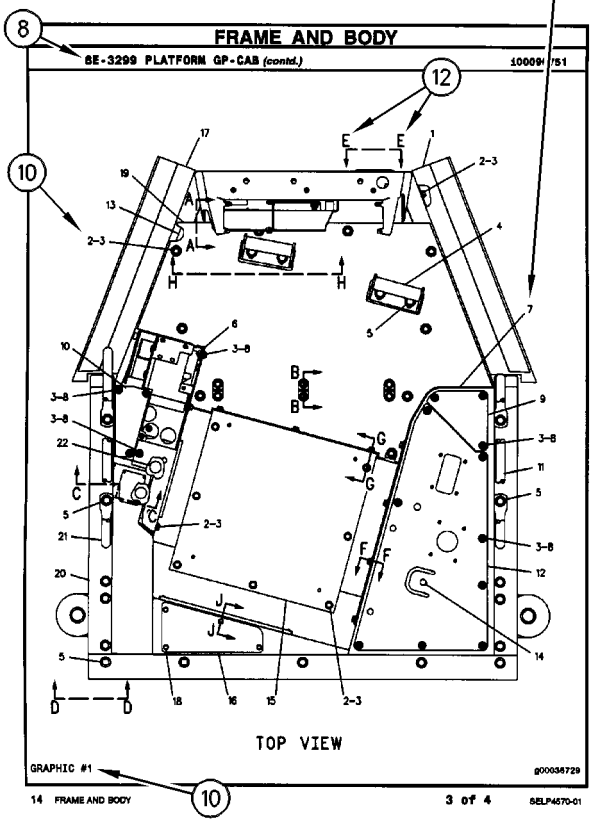
FRAME AND BODY

8E-3299 PLATFORM GP-CAB (contd.) 100090751

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	41	2	8E-2515	1	COVER	
	42	2	7T-0134	1	PLATE	
	43	2	7T-9138	1	GASKET	
	44	2	7E-9724	1	GASKET	
	45	2	7E-9723	1	COVER	
	46		8Y-1950	2	PLUG-BUTTON	

M-METRIC PART

SELP4570-01 2 of 4 FRAME AND BODY 13



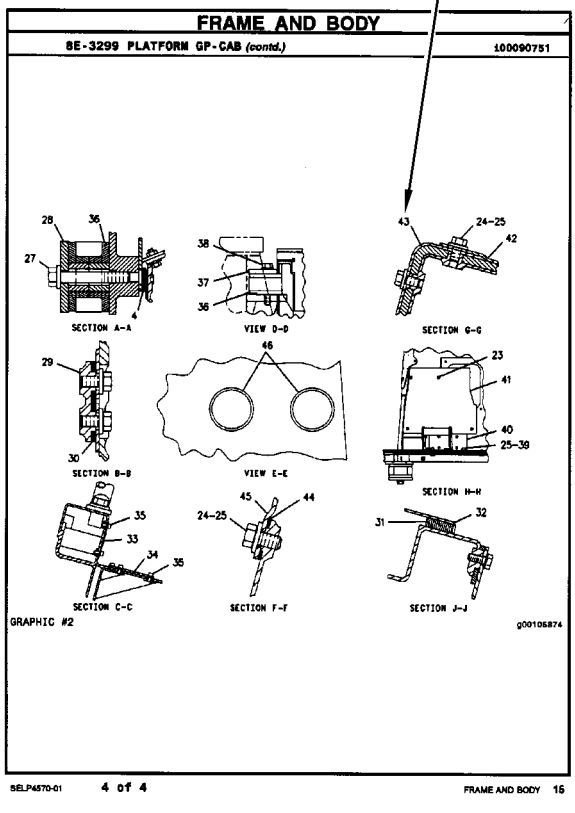
FRAME AND BODY

8E-3299 PLATFORM GP-CAB (contd.) 100090751

TOP VIEW

GRAPHIC #1 g00336729

14 FRAME AND BODY 3 of 4 SELP4570-01



FRAME AND BODY

8E-3299 PLATFORM GP-CAB (contd.) 100090751

SECTION A-A

VIEW D-D

SECTION G-G

SECTION B-B

VIEW E-E

SECTION H-H

SECTION C-C

SECTION F-F

SECTION J-J

GRAPHIC #2 g00105874

SELP4570-01 4 of 4 FRAME AND BODY 15

REPAIR ALTERNATIVES

REMANUFACTURED COMPONENTS

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

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

Typical components included in the Remanufactured Program include:

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

Caterpillar Remanufactured engines for many engine arrangements are also available.

HYDRAULIC HOSES

Hydraulic hoses are assembled with reusable fittings. Repair of hydraulic hoses may be done by qualified personnel with proper tools. Hydraulic hoses may be repaired by your local Caterpillar dealer.

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 Maintenance*	at 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)	111-2372 (1)	111-2369 (1)
		6V-3542 (1)		
38-49	(10-13)	3P-2044 (1)	111-2372 (1)	111-2369 (1)
		8T-1589 (1)		
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2)	111-2372 (1)	111-2371 (1)
		8T-1589 (1)	6V-3542 (1)	
83-114	(22-30)	3P-2044 (3)	3P-2044 (1)	9N-3718 (1)
		8T-1589 (1)		
114-163	(30-43)	3P-2044 (5)	3P-2044 (1)	111-2371 (2)
			6V-3542 (1)	
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.

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
AIR INLET AND EXHAUST SYSTEM				
FILTER AS - PRIMARY	131-8822	1	AIR CLEANER GP	54
FILTER AS - SECONDARY	131-8821	1	AIR CLEANER GP	54
BASIC ENGINE				
CAP - CRANKSHAFT BEARING	7E-2968	7	CYLINDER BLOCK GP	12
GASKET	119-2940	1	COVER GP - VALVE MECHANISM	9
V-BELT (WATER PUMP)	036-6775	1	DRIVE GP - WATER PUMP	20
COOLING SYSTEM				
FILTER - WATER	119-3025	1	PUMP GP - WATER	49
REGULATOR - WATER TEMPERATURE	126-5869	1	LINES GP - WATER	46
ELECTRICAL AND STARTING SYSTEM				
BATTERY (MAINTENANCE FREE)	115-2421	2	BATTERY & WIRING GP	90
LAMP	9X-3463	1	LAMP GP - FLOOD	97
LENS AS	9X-4174	1	LAMP GP - FLOOD	97
V-BELT	9L-1553	1	ALTERNATOR GP - CHARGING	88
WASHER (2.5MM THK)	8T-4121	4	ALTERNATOR GP - CHARGING	88
FRAME AND BODY				
FITTING - GREASE (1/8-27 THD)	3B-8489	2	FRAME GP - REAR	159
KEY	5P-8500	1	TILT GP - HOOD	168
PADLOCK GP	5P-8502	1	TILT GP - HOOD	168
SLEEVE	8Y-6364	1	TILT GP - HOOD	168
FUEL SYSTEM				
BREATHER	9G-5127	1	TANK GP - FUEL	82
CAP-DUST	8C-3445	1	LINES GP - GOVERNOR OIL	79
FILTER AS - FUEL	1R-0751	1	LINES GP - FUEL FILTER	76
	1R-0753	1	LINES GP - FUEL FILTER	76
INSERT - FUEL FILTER	112-6523	1	BASE GP - FUEL FILTER	60
	139-3531	1	BASE GP - FUEL FILTER	60
SCREEN AS	7C-4483	1	GOVERNOR GP - UNIT INJECTOR	70
SEAL - O-RING (19.18MM ID)	2M-9780	1	GOVERNOR GP - UNIT INJECTOR	71
STRAINER - FUEL TANK	9P-7121	1	TANK GP - FUEL	82
HYDRAULIC SYSTEM				
CAP GP - HYDRAULIC OIL TANK	127-5113	1	TANK GP - HYDRAULIC	224
CAP - DUST	7X-5308	1	FILTER & MTG GP - HYDRAULIC	194
	6V-0852	1	VALVE & MTG GP - CONTROL	226
CAP - FILLER (HYDRAULIC)	7H-1447	1	CAP GP - HYDRAULIC OIL TANK	184
FILTER	1G-8878	2	FILTER GP - HYDRAULIC	196
STRAINER	9J-3047	1	CAP GP - HYDRAULIC OIL TANK	184
IMPLEMENTS				
FITTING - GREASE (1/8-27 THD)	3B-8489	3	BLADE GP - LEVELING	240
LUBRICATION SYSTEM				
BREATHER AS - CRANKCASE	2W-9162	1	BREATHER GP	33
CAP AS - OIL FILLTER	5L-2952	1	FILLER GP - ENGINE OIL	34
FILTER AS - ENGINE OIL	1R-0739	1	FILTER GP - ENGINE OIL	35
SEAL-O-RING (19.18MM ID)	2M-9780	2	FILTER GP - ENGINE OIL	35

MAINTENANCE PARTS (CONTD)

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
OPERATOR STATION				
CIRCUIT BREAKER AS (15 AMP)	6T-3643	1	PANEL GP - INSTRUMENT	274
CIRCUIT BREAKER AS (60 AMP)	9S-0174	1	PANEL GP - INSTRUMENT	274
FUSE (10 AMP)	113-8490	14	PANEL GP - INSTRUMENT	275
FUSE (20 AMP)	113-8492	2	PANEL GP - INSTRUMENT	275
LAMP	5D-0019	1	PANEL GP - INSTRUMENT	271
LAMP - INSTRUMENT	7X-8220	1	GAUGE GP - VIBRATIONS PER MINUTE	264
LAMP (RED)	116-5270	1	PANEL GP - INSTRUMENT	274
LAMP (24 VOLT)	110-2079	4	MODULE GP - WARNING INDICATOR	267
LAMP (28 VOLT)	7N-5876	1	PANEL GP - INSTRUMENT	270
POWER TRAIN				
CAP-DUST	6V-0852	4	PUMP & MTG GP - PROPEL	146
CAP - VALVE STEM	077-3895	1	WHEEL & TIRE GP	149
PLUG - MAGNETIC	5P-4484	1	DRUM GP - SMOOTH	124
SERVICE EQUIPMENT AND SUPPLIES				
FILTER	1G-8878	1	KIT - FILTER	286
FILTER AS - ENGINE OIL	1R-0739	1	KIT - FILTER	286
FILTER AS - FUEL	1R-0751	1	KIT - FILTER	286
	1R-0753	1	KIT - FILTER	286
STEERING SYSTEM				
CAP-DUST	6V-0852	1	PUMP & MTG GP - STEERING	180
SEAL-O-RING (19.18MM ID)	2M-9780	1	PUMP & MTG GP - STEERING	180
VIBRATORY SYSTEM				
CAP - DUST	7X-5308	1	FILTER & MTG GP - HYDRAULIC	244
	6V-0852	2	PUMP & MTG GP - VIBRATORY	255
PLUG - MAGNETIC	5P-4484	2	HOUSING GP - ECCENTRIC WEIGHT	248
SEAL-O-RING (19.18MM ID)	2M-9780	1	PUMP & MTG GP - VIBRATORY	255

INDEX

A

ACTUATOR GP - HOOD TILT 151
AIR CLEANER GP 52
54
ALARM GP 85
275
ALTERNATOR GP - CHARGING 86
88
AXLE & MTG GP - DRIVE 115
AXLE GP - DRIVE 116
AOAP VALVE, ENGINE OIL 112
AOAP VALVE, HYDRAULIC OIL 226

B

BASE GP - FUEL FILTER 60
BATTERY & WIRING GP 90
BATTERY (MAINTENANCE FREE) 90
BEARING - SLEEVE 12
BELT 167
BLADE GP - LEVELING 240
BREATHER 82
BREATHER AS - CRANKCASE 33
BREATHER GP 33
BUMPER GP - FRONT 152
153

C

CAMSHAFT GP 5
CAP AS - OIL FILLER 34
CAP GP - HYDRAULIC OIL TANK 184
224
CAP - CRANKSHAFT BEARING 12
CAP - DUST 79
146
180
194
226
244
255
CAP FILLER (HYDRAULIC) 184
CAP - VALVE STEM 149
CARRIER GP - SEAL 6
CARTRIDGE GP - TURBOCHARGER 58
CHASSIS AR 154
CIRCUIT BREAKER AS (15 AMP) 274
CIRCUIT BREAKER AS (60 AMP) 274
CONSOLE GP - OPERATOR 260
CONTROL GP - BRAKE 170
CONTROL GP - FUEL INJECTION 61
CONTROL GP - GOVERNOR 62
63
CONTROL GP - HYDRAULIC 186
188
CONTROL GP - PUMP ELECTRONIC 94
CONTROL GP - STEERING 172
COOLER GP - ENGINE OIL 42
COVER GP - CYLINDER BLOCK 7
COVER GP - FRONT HOUSING 8
COVER GP - VALVE MECHANISM 9
CRANKSHAFT GP 10
CYLINDER & MTG CP - STEERING 174
CYLINDER BLOCK GP 11
12
CYLINDER GP - HYDRAULIC 189
190
191
192
CYLINDER HEAD AS 13
CYLINDER HEAD GP 14
15
16

D

DAMPER & PULLEY GP 17
DIFFERENTIAL GP 120
DRAIN GP - OIL PAN 18
DRIVE GP - DRUM 121
DRIVE GP - GOV & TRANSFER PUMP 64
DRUM GP - PUMP 19
DRIVE GP - SUPPORT & VIBRATORY 242
DRIVE GP - WATER PUMP 20
DRUM GP - DRIVE & VIBRATORY 122
DRUM GP - PADDED 123
DRUM GP - SMOOTH 124

E

ELECTRICAL AR 95
ENCLOSURE GP - ENGINE 156
ENGINE AR 3

F

FAN GP - SUCTION 43
FASTENER GP - FUEL INJ PUMP 66
FILLER GP - ENGINE OIL 34
FILM GP 284
FILM - IDENTIFICATION
(EXTENDED LIFE COOLANT) 288
FILM - INSTRUCTION
(ENGINE RUN, ON/OFF) 270
FILM - SYMBOL (LIFT) 288
FILM - WARNING (JUMPER CABLE) 288
FILTER 196
286

INDEX (CONTD)

FILTER & MTG GP - HYDRAULIC 194
244
FILTER AS - ENGINE OIL 35
286
FILTER AS - FUEL 76
286
FILTER AS - PRIMARY 54
FILTER AS - SECONDARY 54
FILTER GP - ENGINE OIL 35
FILTER GP - HYDRAULIC 196
FILTER - WATER 49
FINAL DRIVE GP 126
FITTING - GREASE (1/8-27 THD) 159
240
FLYWHEEL GP 21
FRAME GP - FRONT 158
FRAME GP - REAR 159
FUMES DISPOSAL GP 36
FUSE (10 AMP) 275
FUSE (20 AMP) 275

G

GASKET 9
GASKET - REGULATOR 46
GAUGE GP - OIL LEVEL (DIPSTICK) 37
GAUGE GP - VIBRATIONS PER MINUTE 264
GEAR GP - FRONT 22
GEARBOX GP - WHEEL DRIVE 2
GOVERNOR & TRANSFER PUMP DRIVE 64
GOVERNOR GP 67
GOVERNOR GP - UNIT INJECTOR 68
70
GUARD GP - LIGHT 160

H

HANDHOLD GP 266
HEAD GP - PUMP 198
200
HEATER GP - AIR INLET 96
HITCH GP - OSCILLATING 162
HOOD GP - ENGINE 164
HORN AS (24 VOLT) 270
HOUSING GP - ECCENTRIC WEIGHT 246
248
HOUSING GP - FLYWHEEL 23
HOUSING GP - FRONT 24
HYDRAULIC AR - AUXILIARY 202
HYDRAULIC AR - PROPEL 129
HYDRAULIC AR - VIBRATORY 250

I

INDICATOR AS - LEVEL 270
INDICATOR - SERVICE 52
INJECTOR GP - FUEL 80
INSERT - FUEL FILTER 60
INSERT - VALVE SEAT 13
INSTALLATION AR - ENGINE 4
INSTALLATION GP - DRUM 130

K

KEY 168
KIT - BEARING 116
182
KIT - BOWL SEAL 81
KIT - BRUSH 107
KIT - BUSHING 107
KIT - CHARGE PUMP 211
KIT - CONNECTING PLUG (2 PIN) 109
260
KIT - CONTROL 182
KIT - CYLINDER 172
KIT - DETENT 230
KIT - FASTENER 281
KIT - FILTER 286
KIT - HARDWARE 86
KIT - INSULATOR 107
KIT - LEVER 107
KIT - RECEPTACLE (2 PIN) 85
104
112
146
274
KIT - RECEPTACLE (3 PIN) 103
194
244
KIT - RECEPTACLE (4 PIN) 255
KIT - RECEPTACLE (8 PIN) 260
KIT - SEAL 182
KIT - SERVICE METER 270
KIT - SPRING 138
148
182
KIT - TERMINAL 86
KIT - TILT LEVER 172
KIT - WATER BASE 81

INDEX (CONTD)

L

LAMP 97
271
LAMP GP - FLOOD 97
98
LAMP - INSTRUMENT 264
LAMP (RED) 274
LAMP (24 VOLT) 267
LAMP (28 VOLT) 270
LENS AS 97
LIFTER GP 26
LIFTING GP - ENGINE 25
LIGHTING GP - FLOOD 98
LINES GP - AUXILIARY HYDRAULIC 203
LINES GP - BLADE 204
LINES GP - ENGINE OIL 38
LINES GP - FUEL FILTER 74
76
LINES GP - FUEL RATIO CONTROL 78
LINES GP - GOVERNOR OIL 79
LINES GP - HYDRAULIC FILTER 206
207
LINES GP - HYDRAULIC OIL COOLER 44
LINES GP - PROPEL 132
LINES GP - STEERING 176
LINES GP - STEERING CYLINDER 178
LINES GP - TURBOCHARGER OIL 39
LINES GP - VIBRATORY 252
LINES GP - WATER 46

M

MANIFOLD GP - EXHAUST 55
MANIFOLD GP - INLET 56
MECHANISM GP - FUEL PUMP & VALVE 26
MODIFICATION AR 1
MODULE GP - WARNING INDICATOR 267
MOTOR & MTG GP - PROPEL 136
MOTOR & MTG GP - VIBRATORY 254
MOTOR GP - ELECTRIC 101
MOTOR GP - PISTON 138
142
208
MOUNTING GP - BRACKET 166
MOUNTING GP - ENGINE FLEXIBLE 27
MOUNTING GP - RIFLE BRACKET 268
MUFFLER GP 57

O

OPERATOR AR 269

P

PADLOCK GP 168
PAN GP - OIL 28
PANEL GP - INSTRUMENT 270
274
PISTON & ROD GP 29
PLATE & FILM GP 288
PLATFORM GP - OPERATOR 278
PLUG - MAGNETIC 124
248
POWER TRAIN AR 144
PULLEY GP - CRANKSHAFT 30
PUMP & MTG GP - PROPEL 146
PUMP & MTG GP - STEERING 180
PUMP & MTG GP - VIBRATORY 255
PUMP GP - ENGINE OIL 40
41
PUMP GP - GEAR 210
PUMP GP - HYDRAULIC 211
PUMP GP - METERING 182
PUMP GP - PISTON 212
214
PUMP GP - UNIT INJECTION 80
PUMP GP - WATER 48
49

R

RADIATOR & OIL COOLER GP 50
REGULATOR - WATER TEMPERATURE 46
ROCKER ARM GP 31
ROPS GP 280
ROTATING GP - MOTOR 148
ROTATING GP - PUMP 216
218
220

S

SCREEN AS 70
SEAL GP - CRANKSHAFT 32
SEAL-O-RING (19.18MM ID) 35
71
180
255
SEAT & MOUNTING GP 281
SEAT GP - ADJUSTABLE 282
SENSOR - MAGNETIC 264
SEPARATOR GP - WATER 81
SHAFT GP - ECCENTRIC WEIGHT 256
SLEEVE 168
SLEEVE - OIL SEAL 10

INDEX (CONTD)

SOLENOID AS 106
SOLENOID GP - SHUTOFF 102
SOLENOID GP - SHUTOFF 102
SOLENOID GP - THROTTLE 103
STARTING AID GP - ETHER....104
STARTING MOTOR GP - ELECTRIC 106
STEERING WHEEL 172
STEP GP 167
STRAINER 184
STRAINER - FUEL TANK 82
SUPPORT GP - VIBRATORY....258
SWITCH 232
SWITCH AS - HORN....270
SWITCH AS - MAGNETIC (THROTTLE RELAY)....274
SWITCH AS - PRESSURE (ENGINE OIL) 112
SWITCH AS - ROCKER (SPEED SELECT) 270
SWITCH AS - ROCKER (START AID) 270
SWITCH AS - ROCKER (THROTTLE) 270
SWITCH AS - TEMPERATURE (ENGINE COOLANT)....112
SWITCH AS TEMPERATURE (ETHER START-AID) 112
SWITCH AS - TEMPERATURE (HYD)....222
SWITCH AS - TOGGLE (BACK-UP ALARM) 110
SWITCH AS - TOGGLE (HOOD ACTUATOR SWITCH)....168
SWITCH GP - MAGNETIC....109
SWITCH GP - MAGNETIC (MAIN RELAY) 274
SWITCH (BRAKE)....274

T

TANK & MTG GP - HYDRAULIC 222
TANK GP - FUEL 82
TANK GP - HYDRAULIC....224
TILT GP - HOOD....168
TOOL BOX GP....290
TURBOCHARGER GP....58
59

V

VALVE & MTG GP - CONTROL 225
226
VALVE & MTG GP - MANIFOLD....228
VALVE AS - ETHER START....104
VALVE GP - CHECK....84
VALVE GP - CONTROL....230
232
234
VALVE GP - MANIFOLD....235
VALVE GP - PRESSURE CONTROL....236
VALVE GP - RELIEF....237
VALVE GP - SOLENOID....238
VALVE MECHANISM....26
VALVE - BREATHER....224
VALVE - FLUID SAMPLING 79
226
VALVE - REGULATOR....76
VALVE - SHUTOFF 82
222
V-BELT....88
V-BELT (WATER PUMP) 20

W

WARNING GP - BACKUP 110
WASHER (2.5MM THK)....88
WHEEL & TIRE GP 149
150
WIRING GP - ETHER STARTING AID....111
WIRING GP - MACHINE....112