June 2005





3056E Industrial Engine

3561-Up (Engine)

This Parts Manual is also Available in PDF Format on Compact Disk (CD-ROM)- Caterpillar Form No. SERP3643

Product and Dealer Information

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

Delivery Date:			
Product I	nformation		
Model:			
Product Identific	cation Number:		
Engine Serial N	umber:		
Transmission Se	erial Number:		
Generator Seria	l Number:		
Attachment Seri	ial Numbers:		
Attachment Info	rmation:		
Customer Equip	oment Number:		
Dealer Equipme	ent Number:		
Dealer In	formation		
Name:		Branch:	
Address:			
	Dealer Contact	Phone Number	<u>Hours</u>
Sales:			
Parts:			
Service:			

MEMORANDA

MEMORANDA SEBP3643-16

TABLE	OF (CONTENTS	
Name	Page	Name	Page
GENERAL INFORMATION	A2	CONNECTION GP-HEATER	305
DEDAID ALTERNATIVES	A 4	CONNECTION GP-WATER	306
REPAIR ALTERNATIVES	A4	COOLER GP-FLTR BASE & ENG OIL FAN GP-BLOWER	311 321
SUPPLEMENTAL COOLANT		FAN GP-SUCTION	324
ADDITIVES	A5	MOUNTING GP-FAN	328
		PUMP GP-WATER	329
MAINTENANCE PARTS	A6	RADIATOR GP	337
INDEX	A13	AIR INLET AND EXHAUST SYSTEM	361 361
ENGINE ARRANGEMENT	1	AIR CLEANER GP	362
ENGINE AR-CORE	1	ELBOW GP-AIR INLET	367
ENGINE AR-PRIMARY	2	ELBOW GP-EXHAUST	370
		TURBOCHARGER GP	371
BASIC ENGINE	63	FUEL OVOTEM	400
AIR COMPRESSOR GPCAMSHAFT GP	63 81	FUEL SYSTEM FILTER GP-FUEL	402 402
COVER GP-ENGINE	82	LINES GP-FUEL FILTER	405
COVER GP-VALVE MECHANISM	83	PLUG GP-FUEL FILTER BASE	406
CRANKSHAFT GP	155	PUMP GP-FUEL INJECTION	407
CYLINDER BLOCK GP	159	PUMP GP-FUEL TRANSFER	419
CYLINDER HEAD GP	162	SEPARATOR GP-WATER	439
DRIVE GP-ACCESSORY	164 173	ELECTRICAL AND STARTING SYSTEM	442
EXTENSION GP-FAN	183	ALTERNATOR GP-CHARGING	442
FASTENER GP-CYLINDER HEAD	185	STARTING AID GP	452
FASTENER GP-ENGINE	186	STARTING MOTOR GP-ELECTRIC	466
FLYWHEEL GP	187	WIRING GP-ELECTRONIC CONTROL	471
GEAR GP-FRONT	195	WIRING GP-ENGINE	491
HOUSING GP-FLYWHEEL	196 204	OPERATOR STATION	499
LIFTING GP-ENGINE	216	MODULE GP-DISPLAY	499
MOUNTING GP-ALTERNATOR	218	MODULE OF BIOFER THE STATE OF T	100
MOUNTING GP-ENGINE	219	SERVICE EQUIPMENT AND SUPPLIES	500
MOUNTING GP-FAN DRIVE	226	CHART-PLATE & FILM	500
PAN GP-OIL	229	DADT MUMBER INDEV	D.4
PISTON & ROD GP	265 267	PART NUMBER INDEX	B1
PLUG GP-ENGINE	269		
PLUG GP-FLYWHEEL HOUSING	277		
PULLEY GP-AUXILIARY DRIVE	280		
PULLEY GP-CRANKSHAFT	281		
ROCKER ARM GP			
VALVE MECHANISM GP	286		
LUBRICATION SYSTEM	287		
FILTER GP-ENGINE OIL	287		
PUMP GP-ENGINE OIL			
VALVE GP-FLUID SAMPLING	303		
COOLING SYSTEM	304		
CONNECTION GP-HEAT EXCHANGER	204		
EAGRANGER	304		

SEBP3643-16 TABLE OF CONTENTS A1

GENERAL INFORMATION

1. ENGINE IDENTIFICATION

Caterpillar engines are identified with Serial Numbers and Arrangement Numbers. In some cases, Modification Numbers are also used. The serial number plate which shows these numbers is mounted on the engine.

Caterpillar dealers need this information to determine which components were included on the engine when it was assembled at the factory. This permits accurate identification of replacement part numbers.

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 Engines. 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 engine 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. An Engine Arrangement is an example of an information element. 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

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.

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

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

9. NON-SERVICED PARTS

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. All consist lists have not been converted to reflect this enhancement.

A2 GENERAL INFORMATION SEBP3643-16

GENERAL INFORMATION

10. PARTS LIST REFERENCE NUMBERS

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 - Refer To Hydraulic Information System

M - Metric Part

R - Remfg Part May Be Available

Y - Separate Illustration

Z - Not Serviced Separately



SIS New Feature

14. <END>

This symbol indicates the end of an information element.

NOTE:

Continuing improvement and advancement of product design may cause changes to your engine 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.

SEBP3643-16 GENERAL INFORMATION A3

REPAIR ALTERNATIVES

REMANUFACTURED COMPONENTS

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

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

Typical components included in the Remanufacturing Program include:

ALTERNATORS
CONNECTING RODS
CRANKSHAFTS - UNDERSIZE
CRANKSHAFTS - UPGRADE TO NEW
CYLINDER HEADS
ELECTRONIC CONTROL MODULES (ECM)
ELECTRONIC SENSORS
FUEL INJECTORS
FUEL NOZZLES
FUEL PUMPS
GOVERNORS
OIL PUMPS

PISTONS SHORT BLOCKS STARTERS

TURBOCHARGERS - COMPLETE TURBOCHARGER CARTRIDGES WATER PUMPS

Caterpillar Remanufactured engines for many engine arrangements are also available.

A4 REPAIR ALTERNATIVES SEBP3643-16

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 CCA at Initial Fill	Liquid SCA at	Spin-on SCA
Liters	Gallons	Liquid SCA at Initial Fill	Maintenance*	Maintenance Element*
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.

MAINTENANCE PARTS					
DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE	
AIR INLET AND EXHAUST SYSTEM FILTER ELEMENT AS-AIR (PRIMARY)	233-5183	1	AIR CLEANER GP	362	
FILTER ELEMENT AS-AIR	233-5185		AIR CLEANER GP	362	
(SECONDARY) INDICATOR AS-AIR FILTER CHANGE	269-7056	1	AIR CLEANER GP	362	
	209-7030	'	AIR GLEANER OF	302	
BASIC ENGINE BREATHER AS (CRANKCASE)	216-9602	1	COVER GP-VALVE MECHANISM	87	
BREATTER AS (CRAINCASE)	210-9002		COVER GP-VALVE MECHANISM	89	
			COVER GP-VALVE MECHANISM	91	
			COVER GP-VALVE MECHANISM	93	
			COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	95 99	
			COVER GP-VALVE MECHANISM	101	
		1	COVER GP-VALVE MECHANISM	103	
			COVER GP-VALVE MECHANISM	105	
			COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	107 109	
			COVER GP-VALVE MECHANISM	111	
			COVER GP-VALVE MECHANISM	113	
			COVER GP-VALVE MECHANISM	115	
			COVER GP-VALVE MECHANISM	117	
			COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	119 121	
			COVER GP-VALVE MECHANISM	123	
			COVER GP-VALVE MECHANISM	125	
			COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	127	
			COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	129 131	
		1	COVER GP-VALVE MECHANISM	133	
			COVER GP-VALVE MECHANISM	135	
			COVER GP-VALVE MECHANISM	137	
			COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	143 145	
			COVER GP-VALVE MECHANISM	147	
		1	COVER GP-VALVE MECHANISM	149	
		1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	151	
CAP AS (ENGINE OIL FILLER)	130-9888	1		153 85	
ON THE CENTRE OF THEELT	100 3000	-	COVER GP-VALVE MECHANISM	87	
			COVER GP-VALVE MECHANISM	91	
			COVER GP-VALVE MECHANISM	93	
			COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	109 111	
			COVER GP-VALVE MECHANISM	113	
		1	COVER GP-VALVE MECHANISM	115	
			COVER GP-VALVE MECHANISM	117	
			COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	119 121	
			COVER GP-VALVE MECHANISM	121	
		1	COVER GP-VALVE MECHANISM	127	
		1	COVER GP-VALVE MECHANISM	129	
		1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	131 133	
		I	COVER GE-VALVE MECHANION	133	

A6 MAINTENANCE PARTS SEBP3643-16

MAIN	ITENA	NCE	PARTS	
DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
	136-3608	1 1 1 1 1 1 1 1 1	COVER GP-VALVE MECHANISM	135 137 139 141 153 97 99 101 103 105
	130-9888	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	COVER GP-VALVE MECHANISM	109 111 113 115 117 125 129 131 133 137 143 145 147 149 151 153 89 95 83
FILTER-BREATHER (CLOSED CIRCUIT CRANKCASE)	229-3555	1 1 1 1 1 1 1 1 1 1 1 1 1	COVER GP-VALVE MECHANISM	87 89 91 93 95 99 101 103 105 107 109 111 113 115 117 121 123 129 131 133 143 145 147

SEBP3643-16 MAINTENANCE PARTS A7

MA	INTENA	NCE	PARTS	
DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
GASKET (VALVE COVER)	216-9604	1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	83 85 87 89 91
		1 1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	93 95 97 99
		1 1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	101 103 105 107
		1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	109 111 113 115
		1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	117 119 121 123
		1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	125 127 129
		1 1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	131 133 135 137
		1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	139 141 143 145
		1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	147 149 151 153
HOSE (CRANKCASE BREATHER)	191 - 5049	1 1	COVER GP-VALVE MECHANISM	83 85 137
	198-8645	1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	119 125 127 135
		1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	139 141 149 151
HOSE (FUMES DISPOSAL, LOWER)	216-9617	1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	153 97 99 101
		1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	103 105 107

A8 MAINTENANCE PARTS SEBP3643-16

M.A	INTENA	NCE	PARTS	
DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
		1 1 1	COVER GP-VALVE MECHANISM	109 111 113
	249-2827	1 1 1 1 1 1 1	COVER GP-VALVE MECHANISM	115 117 121 129 131 133 89 91
		1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	143 145 147
HOSE (FUMES DISPOSAL, UPPER)	216-9614	1 1 1 1 1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	99 101 103 105 107 109 111
		1 1 1 1 1	COVER GP-VALVE MECHANISM	115 117 121 129 131 133
	249-2826	1 1 1 1	COVER GP-VALVE MECHANISM	89 91 123 143 145 147
HOSE (LOWER FUMES DISPOSAL)	216-9617	1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	87 93 95
HOSE (UPPER FUMES DISPOSAL)	216-9614	1 1	COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM COVER GP-VALVE MECHANISM	87 93 95
PLUG-DRAIN (ENGINE OIL)	7C-0351	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PAN GP-OIL	229 231 233 235 237 239 241 243 245 247 249
			PAN GP-OIL PAN GP-OIL	251 253

SEBP3643-16 MAINTENANCE PARTS A9

MA	INTENA	NCE	PARTS	
DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
SEAL-O-RING (CRANKCASE BREATHER)	262-1046	2 2 2 2 1 1 1 1 1 1 1 1	COVER GP-VALVE MECHANISM	255 257 259 261 263 89 91 93 95 101 103 107 109
SPRING (CRANKCASE BREATHER HOSE)	162-1565	1 1 1 1 1 1	COVER GP-VALVE MECHANISM	111 115 117 123 131 133 145 147 85
V-BELT SET (INCLUDES 2-BELTS) (FAN DRIVE)	28-2756	1 1 1 1 1 1 1 1 1 1		97 119 125 127 135 137 139 141 149 151 153 83 176
(PAN DRIVE)	5N-6350 5N-9303 9L-1106 9L-1557 113-7130 126-2240 128-5246 240-4690	1 1 1 1 1 1	MOUNTING GP-FAN DRIVE DRIVE GP-FAN	227 182 175 177 179 181 173 174 180

A10 MAINTENANCE PARTS SEBP3643-16

MAI	NTENA	NCE	PARTS	
DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
COOLING SYSTEM				
CAP-RADIATOR	236-7764		RADIATOR GP	337
		1		341
		1	RADIATOR GP	345
		1	RADIATOR GP RADIATOR GP	349 353
		1	RADIATOR GP	357
HOSE-RADIATOR (LOWER)	236-7723	1		337
, ,		1		341
		1	RADIATOR GP	345
		1	RADIATOR GP	349
		1	RADIATOR GP	353
HOSE BADIATOR (LIDDER)	236-7722	1 1	RADIATOR GP RADIATOR GP	357 337
HOSE-RADIATOR (UPPER)	230-7722	1		341
		1	RADIATOR GP	345
		1	RADIATOR GP	349
		1	RADIATOR GP	353
		1	RADIATOR GP	357
PLUG (RADIATOR DRAIN)	236-7765	1		337
		1	10.12.1.1011.01	341
		1	RADIATOR GP	345
		1 1	RADIATOR GP RADIATOR GP	349 353
		1	RADIATOR GP	357
REGULATOR-WATER TEMPERATURE	216-9737	1		304
		1	CONNECTION GP-WATER	306
		1	CONNECTION GP-WATER	307
		1	CONNECTION GP-WATER	308
		1	CONNECTION GP-WATER	309
CEAL (HOUGING DECHI ATOD)	141 6100	1	CONNECTION OF HEAT EXCHANGED	310
SEAL (HOUSING, REGULATOR)	141-6188		CONNECTION GP-HEAT EXCHANGER CONNECTION GP-WATER	304 306
			CONNECTION GP-WATER	307
			CONNECTION GP-WATER	308
			CONNECTION GP-WATER	309
		1	CONNECTION GP-WATER	310
ELECTRICAL AND CTARTING OVOTEN				
ELECTRICAL AND STARTING SYSTEM HEATER (AIR INLET)	186-4272	1	STARTING AID GP	452
HEATER AS (AIR INLET)	252-4460		STARTING AID GP	457
TIE/TIE/TO (TITCHEET)	202 1100		STARTING AID GP	458
KEY (IGNITION)	128-7723		STARTING AID GP	463
FUEL SYSTEM				
ELEMENT-WATER SEPARATOR	138-3100	1	SEPARATOR GP-WATER	439
FILTER AS (FUEL)	272-5766		FILTER GP-FUEL	404
FILTER ELEMENT AS-FUEL	145-4501		FILTER GP-FUEL	403
FILTER ELEMENT-FUEL	145-4501		FILTER GP-FUEL	402
SEAL (WATER SEPARATOR BASE)	101-3953		SEPARATOR GP-WATER	439 439
SEAL (WATER SEPARATOR CONNECTION)	101-3955	I	SEPARATOR GP-WATER	439
(WILLIAM AND CONNECTION)				

SEBP3643-16 MAINTENANCE PARTS A11

<u>AIN I ENAI</u>	<u>NCE</u>	MAINTENANCE PARTS				
PART NUMBER	QTY	WHERE USED	PAGE			
1R-0739	1	FILTER GP-ENGINE OIL	288			
7W-2327	2	FILTER GP-ENGINE OIL	287			
	1	FILTER GP-ENGINE OIL	289			
	PART NUMBER 1R-0739	PART NUMBER QTY 1R-0739 1 7W-2327 2	PART NUMBER QTY WHERE USED 1R-0739 1 FILTER GP-ENGINE OIL			

A12 MAINTENANCE PARTS SEBP3643-16

Amme Page Name Page A C ADAPTER OP-AIR INLET MANIFOLD 361 CAMSHAFT GP 81 AIR CLEANER GP 362 CAP AS (ENGINE OIL FILLER) 83 365 87 85 86 AIR COMPRESSOR GP 63 89 97 69 97 99 93 71 99 97 105 77 105 103 103 77 105 107 107 ALTERNATOR GP-CHARGING 442 109 107 448 113 115 449 444 111 111 448 113 115 450 117 119 B 123 125 B 123 125 B 123 125 B 123 131 B 124 129 91 131 131 191 <		IND	EX	
ADAPTER GP-AIR INLET MANIFOLD 361 AIR CLEANER GP 362 AIR COMPRESSOR GP 63 AIR COMPRESSOR GP 65 AIR COMPRESSOR GP 6	Name	Page	Name	Page
ADAPTER GP-AIR INLET MANIFOLD 361 AIR CLEANER GP 362 AIR COMPRESSOR GP 63 AIR COMPRESSOR GP 65 AIR COMPRESSOR GP 6	_		C	
AIR CLEANER GP. 362 363 365 365 365 365 365 365 367 407 407 407 407 407 408 408 409 409 409 409 409 409 409 409 409 409		361	_	Ω1
AIR COMPRESSOR GP		362		83
AIR COMPRESSOR GP 63 89 65 91 67 93 69 97 71 99 77 71 99 77 71 99 77 75 103 101 75 105 103 104 111 111 115 115 153 115				
67 69 93 69 97 71 71 99 73 101 75 103 77 105 79 107 ALTERNATOR GP-CHARGING	AIR COMPRESSOR GP			
69 771 99 773 101 775 103 777 105 779 107 ALTERNATOR GP-CHARGING				
73 101 103 775 103 106 779 107 107 108 107 109 107 109 107 109 107 109 107 109 107 109 109 109 109 109 109 109 109 109 109		69		
75 103 77 77 105 78 107 ALTERNATOR GP-CHARGING 442 109 444 4111 446 113 448 115 450 117 BB 123 BREATHER AS (CRANKCASE) 87 129 91 91 131 93 133 95 135 99 133 136 99 133 137 101 139 139 103 141 105 143 107 145 119 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 37 121 23 345 122 345 123 345 124 125 349 127 28 353 129 129 357 121 CHART-PLATE & FILM 500 133 CONNECTION GP-HEATE CHANGER 306 143 143 165 167 144 165 167 145 167 147 309 147 309 147 309 148 149 149 310				
ALTERNATOR GP-CHARGING				
ALTERNATOR GP-CHARGING				105
### 444 ### 1111 ### 446 ### 1113 ### 1115 ### 1116 ### 1116 ### 1117 ### 1118 ### 1119 ### 1	ALTERNATOR GP-CHARGING			
### A48 ### A50 ### A5		444		111
BREATHER AS (CRANKCASE) BREATHER AS (CRANKCASE) 87 89 127 89 131 93 95 133 95 137 101 103 103 104 105 114 105 114 107 111 119 111 119 111 111 114 111 114 115 115				
B BREATHER AS (CRANKCASE) 87 89 91 91 131 93 95 135 99 137 101 133 103 103 104 105 107 114 105 109 117 111 119 119 111 119 111 119 119 11				117
BREATHER AS (CRANKCASE). 87 125 BREATHER AS (CRANKCASE). 87 127 89 129 91 131 93 133 95 135 99 137 101 139 103 141 105 143 107 145 110 19 147 111 149 113 151 115 CAP AS (ENGINE OIL FILLER). 95 119 CAP-RADIATOR. 337 121 341 123 345 125 349 127 353 129 349 131 CHART-PLATE & FILM. 500 133 CONNECTION GP-HEAT EXCHANGER. 304 143 135 CONNECTION GP-HEATER. 305 143 CONNECTION GP-HEATER. 306 143 CONNECTION GP-WATER. 307 145 308 146 309 147 309 149 CONTROL GP-ENGINE ELECTRONIC. 407				
BREATHER AS (CRANKCASE). 87 89 129 91 91 131 93 95 133 95 101 103 103 105 107 109 111 109 111 111 114 115 115 117 CAP AS (ENGINE OIL FILLER). 95 119 CAP-RADIATOR. 337 121 121 123 345 125 349 127 353 127 353 127 353 127 353 127 364 127 365 129 377 367 378 389 389 389 380 380 381 381 381 381 381 381	В			123
89 129 91 131 93 133 95 135 99 137 101 139 103 1441 105 143 107 145 109 147 111 149 113 155 115 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEAT EXCHANGER 306 143 308 144 309 149 310 145 CONTROL GP-ENGINE ELECTRONIC 407		97		
93 133 95 135 99 137 101 139 103 141 105 143 107 145 109 147 111 149 113 151 115 CONTROL GP-ENGINE ELECTRONIC 407	BILLATTIEN AS (CINANICASE)			
95 135 99 137 101 139 103 141 105 143 107 145 109 147 111 1 149 113 151 151 15 153 17 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 143 CONNECTION GP-HEATER 305 143 307 145 308 147 309 149 310				
101 139 103 141 105 143 107 145 109 147 111 149 113 151 115 153 117 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 25 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATEXCHANGER 305 137 CONNECTION GP-HEATEXCHANGER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407				
103 141 105 143 107 145 109 147 111 149 113 151 115 153 117 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-HEATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407				
107 145 109 147 111 149 111 149 113 151 115 153 117 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407				
109 147 111 149 113 151 115 153 117 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-HEATER 305 143 307 144 309 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407				
111 149 113 151 115 153 117 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407				
115 153 117 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407		111		149
117 CAP AS (ENGINE OIL FILLER) 95 119 CAP-RADIATOR 337 121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407				
121 341 123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407		117		95
123 345 125 349 127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407			CAP-RADIATOR	
127 353 129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407		123		345
129 357 131 CHART-PLATE & FILM 500 133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407				
133 CONNECTION GP-HEAT EXCHANGER 304 135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407		129		357
135 CONNECTION GP-HEATER 305 137 CONNECTION GP-WATER 306 143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC 407				
143 307 145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC		135	CONNECTION GP-HEATER	305
145 308 147 309 149 310 151 CONTROL GP-ENGINE ELECTRONIC			CONNECTION GP-WATER	
149 310 151 CONTROL GP-ENGINE ELECTRONIC 407		145		308
151 CONTROL GP-ENGINE ELECTRONIC				
153 410		151	CONTROL GP-ENGINE ELECTRONIC	407
		153		410

SEBP3643-16 INDEX **A13**

INDEX				
Name	Page	Name	Page	
	413 416	CYLINDER HEAD GP	162 163	
CONTROL GP-VOLTAGE (LOAD PROTECTION) (12-VOLT)	416	D		
COOLER-ENGINE OIL	311 313	DRIVE GP-ACCESSORY	164	
	315 317		166 168	
COOLED OD FLID DAGE & FNC OIL	319		170	
COOLER GP-FLTR BASE & ENG OIL	311 313	DRIVE GP-FAN	172 173	
	315 317		174 175	
COVER GP-ENGINE	319 82		176 177	
COVER GP-VALVE MECHANISM	83		178	
	85 87		179 180	
	89 91		181 182	
	93 95	-		
	97	E ELBOW GP-AIR INLET	267	
	99 101	ELBOW GP-AIR INLET	368	
	103 105	ELBOW GP-EXHAUST		
	107 109	ELEMENT-WATER SEPARATOR		
	111 113	ENGINE AR-PRIMARY	2	
	115		4	
	117 119		5 6	
	121 123		7 8	
	125 127		9 10	
	129		11	
	131 133		12 13	
	135 137		14 15	
	139 141		16 17	
	143 145		18 19	
	147		20	
	149 151		21 22	
CRANKSHAFT GP	153 155		23 24	
CYLINDER BLOCK GP	157 159 160		25 26 27	
	160		27	

A14 INDEX SEBP3643-16

INDEX					
Name	Page	Name	Page		
	28 29		317 319		
	30 31 33	FILTER-BREATHER (CLOSED CIRCUIT CRANKCASE)	87 89		
	34 35 36		91 93 95		
	37 38		99 101		
	39 40 41		103 105 107		
	42 43 44		109 111 113		
	45 46		115 117		
	47 48 49		121 123 129		
	50 51 52		131 133 143		
	53 54 55	FILTER ELEMENT AS-AIR (PRIMARY)	145 147 362		
	56 57 58	FILTER ELEMENT AS-AIR (FRIMART) FILTER ELEMENT AS-AIR (SECONDARY) FILTER ELEMENT AS-FUEL	362 403 402		
	59 60	FILTER GP-ENGINE OIL	287 288		
EXTENSION GP-FAN	61 62 183	FILTER GP-FUEL	289 402 403		
_	184	FLYWHEEL GP	404 187 188		
F FAN GP-BLOWER			189 190 191		
FAN GP-SUCTION			192 193 194		
	325 326 327	G			
FASTENER GP-CYLINDER HEADFASTENER GP-ENGINEFILTER AS-ENGINE OIL	185 186 287	GASKET (VALVE COVER)	83 85		
FILTER AS (FUEL)	288 289 404		87 89 91		
FILTER BASE & ENG OIL COOLER			93 95 97		

SEBP3643-16 INDEX **A15**

Full download. http://manualplace.com/download/caterpillar-3056e-industrial-engine-parts-manual/

download. http://manualplace.com/download/cat	INDEX				
Name	Page	Name	Page		
	99 101	HEATER AS (AIR INLET)	457		
	101	HOSE (CRANKCASE BREATHER)	458 83		
	105		85		
	107 109		119 125		
	111		127		
	113 115		135 137		
	117		139		
	119		141		
	121 123		149 151		
	125		153		
	127	HOSE (CRANKCASE BREATHER) HOSE (FUMES DISPOSAL, LOWER)	97		
	129 131	1103E (FUIVIES DISPUSAL, LUWER)	89 91		
	133		99		
	135 137		101 103		
	139		105		
	141		107		
	143 145		109 111		
	147		113		
	149 151		115 117		
	153		121		
GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	229		123		
	231 233		129 131		
	235		133		
	243 245		143 145		
	247		147		
	249	HOSE (FUMES DISPOSAL, UPPER)	89		
	251 253		91 99		
	255		101		
	257 261		103 105		
GAUGE-OIL LEVEL (DIPSTICK) (ENGINE)	259		107		
GEAR GP-FRONT	263		109		
GEAR GP-FRONT	195		111 113		
Н			115		
HARNESS AS (ENGINE)			117 121		
(ELECTRONIC CONTROL MODULE)	471		123		
	491 403		129		
HARNESS AS-ENGINE	493		131 133		
(ELECTRONIC CONTROL MODULE)	473		143		
HEATER (AIR INLET)	475 452		145 147		
······································					