

Parts Manual



See "General Information"
for New Parts Manual
Features.

C2.2 Industrial Engine

C6M1-Up (Engine)

Product and Dealer Information

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

Delivery Date: _____

Product Information

Model: _____

Product Identification Number: _____

Engine Serial Number: _____

Transmission Serial Number: _____

Generator Serial Number: _____

Attachment Serial Numbers: _____

Attachment Information: _____

Customer Equipment Number: _____

Dealer Equipment Number: _____

Dealer Information

Name: _____ Branch: _____

Address: _____

	<u>Dealer Contact</u>	<u>Phone Number</u>	<u>Hours</u>
Sales:	_____	_____	_____
Parts:	_____	_____	_____
Service:	_____	_____	_____

MEMORANDA

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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.

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



14. DESCRIPTION OF TYPE CHANGES

Type - A type is defined as any configuration change that requires an additional Information Element for an Arrangement, Group, or Assembly. If serial number breaks for types are not available, a type # (Type 1, Type 2, etc.) will be displayed in the caption. These "type" changes are identified with a "C" note (change from previous type) in the Parts List. Only the "types" that apply to this Parts Manual will be included. Additional types may exist causing "C" notes to appear on an Information Element when no other types are shown.

15. <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.

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.

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.

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE	
AIR INLET AND EXHAUST SYSTEM					
FILTER ELEMENT-AIR	247 - 1380	1	AIR CLEANER GP	187	
GAUZE (CRANKCASE BREATHER)	153 - 5939	1	TURBOCHARGER GP	194	
SEAL-VALVE COVER	233 - 0695	1	TURBOCHARGER GP	194	
BASIC ENGINE					
CAP-OIL FILLER (ENGINE)	217 - 7358	1	PAN GP-OIL	111	
GAUZE (CRANKCASE BREATHER)	153 - 5939	1	COVER GP-VALVE MECHANISM	35	
		1	COVER GP-VALVE MECHANISM	37	
		1	COVER GP-VALVE MECHANISM	39	
		1	COVER GP-VALVE MECHANISM	41	
		1	COVER GP-VALVE MECHANISM	41	
PLUG-DRAIN (ENGINE OIL DRAIN)	165 - 3605	2	PLUG GP-OIL PAN	129	
PLUG-DRAIN (ENGINE OIL PAN)	218 - 2334	2	PAN GP-OIL	111	
		1	PLUG GP-ENGINE	126	
		2	PLUG GP-OIL PAN	128	
SEAL (ENGINE OIL FILL CAP)	153 - 5933	1	PAN GP-OIL	111	
SEAL-VALVE COVER	233 - 0695	1	COVER GP-VALVE MECHANISM	35	
		1	COVER GP-VALVE MECHANISM	37	
		1	COVER GP-VALVE MECHANISM	39	
		1	COVER GP-VALVE MECHANISM	41	
V-BELT (WATER PUMP)	211 - 5172	1	PULLEY GP-WATER PUMP	134	
		1	V-BELT GP	138	
		1	V-BELT GP	139	
		295 - 0887	1	V-BELT GP	140
COOLING SYSTEM					
CAP-RADIATOR	202 - 6616	1	RADIATOR & FAN GP	181	
		1	RADIATOR & FAN GP	184	
GASKET-COVER (TEMPERATURE REGULATOR)	154 - 1828	1	HOUSING GP-WATER REGULATOR	166	
GASKET-COVER (WATER TEMPERATURE REGULATOR)	154 - 1828	1	CONNECTION GP-WATER	160	
		1	PUMP GP-WATER	170	
HOSE-RADIATOR	238 - 0265	1	RADIATOR & FAN GP	181	
		1	RADIATOR & FAN GP	184	
		238 - 0266	1	RADIATOR & FAN GP	181
		1	RADIATOR & FAN GP	184	
REGULATOR-WATER TEMPERATURE	249 - 5541	1	PUMP GP-WATER	172	
		1	PUMP GP-WATER	175	
		1	PUMP GP-WATER	178	
		251 - 7660	1	PUMP GP-WATER	170
ELECTRICAL AND STARTING SYSTEM					
GLOW PLUG	172 - 4585	4	GLOW PLUG GP	253	
		4	GLOW PLUG GP	254	
		243 - 4402	4	GLOW PLUG GP	255
KEY-IGNITION	251 - 1871	1	SWITCH GP-START	268	

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
FUEL SYSTEM				
FILTER AS-FUEL	033 - 7854	1	FILTER & LINES GP-FUEL	202
		1	PUMP GP-FILTER & FUEL TRANSFER	213
		1	PUMP GP-FUEL TRANSFER	239
		1	PUMP GP-FUEL TRANSFER	242
	243 - 6411	1	PUMP GP-FUEL TRANSFER	239
FILTER ELEMENT-FUEL	296 - 0888	1	PUMP GP-FILTER & FUEL TRANSFER	216
	276 - 1806	1	PUMP GP-FUEL PRM & PRIM FILTER	237
	150 - 4142	1	PUMP GP-FILTER & FUEL TRANSFER	216
	069 - 2922	2	PUMP GP-FILTER & FUEL TRANSFER	213
		2	PUMP GP-FUEL TRANSFER	242
GASKET (FUEL FILTER)	069 - 2922	2	FILTER & LINES GP-FUEL	202
		2	PUMP GP-FUEL TRANSFER	239
KIT-ELEMENT (FUEL FILTER)	067 - 6987	1	FILTER & LINES GP-FUEL	202
		1	PUMP GP-FILTER & FUEL TRANSFER	213
		1	PUMP GP-FUEL TRANSFER	239
		1	PUMP GP-FUEL TRANSFER	242
PLUG-DRAIN (WATER SEPARATOR)	302 - 7777	3	PUMP GP-FUEL PRM & PRIM FILTER	237
LUBRICATION SYSTEM				
CAP-OIL FILLER (ENGINE)	217 - 7358	1	FILLER GP-ENGINE OIL	148
		2	FILLER GP-ENGINE OIL	150
	289 - 6120	1	FILLER GP-ENGINE OIL	148
		1	FILLER GP-ENGINE OIL	150
FILTER AS-ENGINE OIL	220 - 1523	1	FILTER GP-ENGINE OIL	152
SEAL (ENGINE OIL FILL CAP)	153 - 5933	1	FILLER GP-ENGINE OIL	148
	288 - 6593	1	FILLER GP-ENGINE OIL	148
		1	FILLER GP-ENGINE OIL	150
SEAL (ENGINE OIL FILL)	153 - 5933	2	FILLER GP-ENGINE OIL	150
OPERATOR STATION				
LAMP (INDICATORS)	198 - 5310	1	LAMP GP	271
		1	LAMP GP	272

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MEMORANDA

ENGINE ARRANGEMENT

302-8138 ENGINE AR 34 BRAKE KW (32 BHP) AT 2400 RPM

SMCS - 1000

i02810502

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	311-9025	1	CAMSHAFT GP						28
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	308-2302	1	CONNECTION GP-WATER						160
Y	315-7817	1	SOLENOID GP-SHUTOFF						258
Y	309-6722	1	COVER GP-VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	315-7813	1	MOUNTING GP-FAN						169
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	311-9024	1	GOVERNOR GP						207
Y	308-2290	1	HOUSING GP-FLYWHEEL						74
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Y	315-5252	1	PLUG GP-ENGINE						126
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Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	315-7814	1	PUMP & MTG GP-FUEL TRANSFER						212
Y	311-9026	1	PUMP GP-FUEL INJECTION						228
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Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
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ENGINE ARRANGEMENT

308-6560 ENGINE AR

TIER III, 37 BRAKE KW (50 BHP) AT 2800 RPM

SMCS-1000

i02812596

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6718	1	HOUSING GP-FRONT						80
Y	308-2319	1	CONNECTION GP-ELECTRICAL						249
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	308-2302	1	CONNECTION GP-WATER						160
Y	309-6722	1	COVER GP-VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2304	1	DRIVE GP-FAN						65
Y	308-2303	1	FAN GP-SUCTION						164
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	311-1884	1	FLYWHEEL GP						70
Y	308-2311	1	GLOW PLUG GP						254
Y	311-1883	1	HOUSING GP-FLYWHEEL						75
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	311-1886	1	PAN GP-OIL						117
Y	309-6714	1	PISTON & ROD GP						125
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	308-2310	1	PUMP GP-FILTER & FUEL TRANSFER						213
Y	309-6719	1	PUMP GP-FUEL INJECTION						224
Y	308-2320	1	PUMP GP-FUEL PRIMING						236
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	309-6721	1	PUMP GP-WATER						175
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	308-2312	1	SWITCH GP-PRESSURE						264
Y	308-2314	1	SWITCH GP-START						268
Y	308-2317	1	SWITCH GP-TEMPERATURE (ENGINE COOLANT)						269
Y	309-6716	1	VALVE MECHANISM GP						145

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

308-6562 ENGINE AR

TIER III, 38 BRAKE KW (51 BHP) AT 3000 RPM

SMCS-1000

i02979614

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	325-9476	1	CAMSHAFT GP						30
Y	308-2319	1	CONNECTION GP-ELECTRICAL						249
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-2302	1	CONNECTION GP-WATER						160
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	309-6722	1	COVER GP-VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2304	1	DRIVE GP-FAN						65
Y	308-2303	1	FAN GP-SUCTION						164
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	325-9475	1	CONTROL GP-GOVERNOR						198
Y	308-2290	1	HOUSING GP-FLYWHEEL						74
Y	311-1682	1	HOUSING GP-FRONT						88
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	308-2295	1	PAN GP-OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	308-2310	1	PUMP GP-FILTER & FUEL TRANSFER						213
Y	311-1683	1	PUMP GP-FUEL INJECTION						226
Y	308-2320	1	PUMP GP-FUEL PRIMING						236
Y	309-6721	1	PUMP GP-WATER						175
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	308-2312	1	SWITCH GP-PRESSURE						264
Y	308-2314	1	SWITCH GP-START						268
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y- SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

301 -2946 ENGINE AR - PRIMARY

37 BRAKE KW (50 BHP) AT 2800 RPM

SMCS - 1000

i02724850

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6718	1	HOUSING GP - FRONT						80
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-4735	1	MOUNTING GP - ENGINE OIL FILTER						153
Y	308-2313	1	CONTROL GP - MANUAL START / STOP						251
Y	308-2302	1	CONNECTION GP - WATER						160
Y	309-6722	1	COVER GP - VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2304	1	DRIVE GP - FAN						65
Y	308-2303	1	FAN GP - SUCTION						164
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	309-6724	1	MANIFOLD GP - EXHAUST						192
Y	308-2295	1	PAN GP - OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	308-2307	1	COVER GP - FRONT HOUSING						33
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	308-2300	1	PULLEY GP - CRANKSHAFT						132
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	309-6719	1	PUMP GP - FUEL INJECTION						224
Y	308-2320	1	PUMP GP - FUEL PRIMING						236
Y	309-6717	1	PUMP GP - ENGINE OIL						157
Y	309-6721	1	PUMP GP - WATER						175
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	308-2312	1	SWITCH GP - PRESSURE						264
Y	308-2314	1	SWITCH GP - START						268
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	309-6716	1	VALVE MECHANISM GP						145

Y - SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

301 -2947 ENGINE AR - PRIMARY

45 BRAKE KW (60 BHP) AT 2800 RPM

SMCS - 1000

i03126205

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	329-9278	1	CAMSHAFT GP						31
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-2309	1	CONNECTION GP - EXHAUST						188
Y	308-2299	1	CONNECTION GP - OIL						147
Y	308-2302	1	CONNECTION GP - WATER						160
Y	329-9277	1	CONTROL GP - GOVERNOR						200
Y	308-2313	1	CONTROL GP - MANUAL START/STOP						251
Y	308-2307	1	COVER GP - FRONT HOUSING						33
Y	308-2283	1	CRANKSHAFT GP						45
Y	308-2281	1	CYLINDER BLOCK GP						52
Y	308-2284	1	CYLINDER HEAD GP						60
Y	308-2304	1	DRIVE GP - FAN						65
Y	308-2303	1	FAN GP - SUCTION						164
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	308-2288	1	HOUSING GP - FRONT						79
Y	308-2321	1	LAMP GP						272
Y	308-2315	1	LIFTING GP - ENGINE						108
			-OR-						
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	308-2295	1	PAN GP - OIL						115
Y	308-2286	1	PISTON & ROD GP						124
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	321-6740	1	PULLEY GP - CRANKSHAFT						133
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	308-2287	1	PUMP GP - ENGINE OIL						154
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	308-2289	1	PUMP GP - FUEL INJECTION						222
Y	308-2320	1	PUMP GP - FUEL PRIMING						236
Y	308-2301	1	PUMP GP - WATER						172
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	308-2312	1	SWITCH GP - PRESSURE						264
Y	308-2314	1	SWITCH GP - START						268
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	308-2308	1	TURBOCHARGER GP						194
Y	308-2306	1	V - BELT GP (FAN DRIVE)						138
Y	308-2285	1	VALVE MECHANISM GP						143
Y- SEPARATE ILLUSTRATION									

ENGINE ARRANGEMENT

303-4098 ENGINE AR - PRIMARY 38 BRAKE KW (51 BHP) AT 3000 RPM. TIER III

SMCS - 1000

i03161146

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	317-0649	1	AIR CLEANER GP						187
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	325-9476	1	CAMSHAFT GP						30
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-2302	1	CONNECTION GP - WATER						160
Y	308-2313	1	CONTROL GP - MANUAL START / STOP						251
Y	329-8577	1	COVER GP - FRONT HOUSING						34
Y	309-6722	1	COVER GP - VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	325-9475	1	CONTROL GP - GOVERNOR						198
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	311-1682	1	HOUSING GP - FRONT						88
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	331-2589	1	LINES GP - COOLANT						167
Y	309-6724	1	MANIFOLD GP - EXHAUST						192
Y	308-2295	1	PAN GP - OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	308-2300	1	PULLEY GP - CRANKSHAFT						132
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	309-6717	1	PUMP GP - ENGINE OIL						157
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	311-1683	1	PUMP GP - FUEL INJECTION						226
Y	308-2320	1	PUMP GP - FUEL PRIMING						236
Y	308-2301	1	PUMP GP - WATER						172
Y	331-2552	1	RADIATOR & FAN GP						181
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	315-7819	1	SWITCH GP - PRESSURE						265
Y	308-2314	1	SWITCH GP - START (HEATER)						268
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y - SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

303-4099 ENGINE AR - PRIMARY 38 BRAKE KW (51 BHP) AT 3000 RPM. TIER III

SMCS - 1000

i03161148

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	317-0649	1	AIR CLEANER GP						187
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	325-9476	1	CAMSHAFT GP						30
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-2309	1	CONNECTION GP - EXHAUST						188
Y	308-2302	1	CONNECTION GP - WATER						160
Y	308-2313	1	CONTROL GP - MANUAL START/STOP						251
Y	329-8577	1	COVER GP - FRONT HOUSING						34
Y	309-6722	1	COVER GP - VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	325-9475	1	CONTROL GP - GOVERNOR						198
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	311-1682	1	HOUSING GP - FRONT						88
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	331-2589	1	LINES GP - COOLANT						167
Y	309-6724	1	MANIFOLD GP - EXHAUST						192
Y	308-2295	1	PAN GP - OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	308-2300	1	PULLEY GP - CRANKSHAFT						132
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	309-6717	1	PUMP GP - ENGINE OIL						157
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	311-1683	1	PUMP GP - FUEL INJECTION						226
Y	308-2320	1	PUMP GP - FUEL PRIMING						236
Y	308-2301	1	PUMP GP - WATER						172
Y	331-3270	1	RADIATOR & FAN GP						184
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	315-7819	1	SWITCH GP - PRESSURE						265
Y	308-2314	1	SWITCH GP - START (HEATER)						268
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y - SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

303-4225 ENGINE AR - PRIMARY

38 BRAKE KW (51 BHP) AT 2800 RPM. TIER III

SMCS - 1000

i03196738

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	317-0649	1	AIR CLEANER GP						187
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-2309	1	CONNECTION GP - EXHAUST						188
Y	308-2302	1	CONNECTION GP - WATER						160
Y	308-2313	1	CONTROL GP - MANUAL START / STOP						251
Y	329-8577	1	COVER GP - FRONT HOUSING						34
Y	309-6722	1	COVER GP - VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	309-6718	1	HOUSING GP - FRONT						80
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	331-2589	1	LINES GP - COOLANT						167
Y	309-6724	1	MANIFOLD GP - EXHAUST						192
Y	308-2295	1	PAN GP - OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	308-2300	1	PULLEY GP - CRANKSHAFT						132
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	309-6717	1	PUMP GP - ENGINE OIL						157
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	309-6719	1	PUMP GP - FUEL INJECTION						224
Y	308-2320	1	PUMP GP - FUEL PRIMING						236
Y	308-2301	1	PUMP GP - WATER						172
Y	331-3270	1	RADIATOR & FAN GP						184
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	315-7819	1	SWITCH GP - PRESSURE						265
Y	308-2314	1	SWITCH GP - START						268
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y - SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

303-4226 ENGINE AR - PRIMARY 37 BRAKE KW (50 BHP) AT 2800 RPM. TIER III

SMCS - 1000

i03085023

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-2302	1	CONNECTION GP - WATER						160
Y	308-2313	1	CONTROL GP - MANUAL START/STOP						251
Y	329-8577	1	COVER GP - FRONT HOUSING						34
Y	309-6722	1	COVER GP - VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	317-0586	1	FLYWHEEL GP						71
Y	308-2311	1	GLOW PLUG GP						254
Y	317-0588	1	HOUSING GP - FLYWHEEL						76
Y	309-6718	1	HOUSING GP - FRONT						80
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	331-2589	1	LINES GP - COOLANT						167
Y	309-6724	1	MANIFOLD GP - EXHAUST						192
Y	308-2295	1	PAN GP - OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	308-2300	1	PULLEY GP - CRANKSHAFT						132
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	309-6717	1	PUMP GP - ENGINE OIL						157
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	309-6719	1	PUMP GP - FUEL INJECTION						224
Y	308-2320	1	PUMP GP - FUEL PRIMING						236
Y	308-2301	1	PUMP GP - WATER						172
Y	331-3270	1	RADIATOR & FAN GP						184
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	315-7819	1	SWITCH GP - PRESSURE						265
Y	308-2314	1	SWITCH GP - START						268
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y - SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

307-9833 ENGINE AR-PRIMARY

37 BRAKE KW (50 BHP) AT 2800 RPM

SMCS-1000

i03187217

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-2302	1	CONNECTION GP-WATER						160
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	317-0590	1	COVER GP-VALVE MECHANISM						39
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2304	1	DRIVE GP-FAN						65
Y	308-2303	1	FAN GP-SUCTION						164
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	308-2290	1	HOUSING GP-FLYWHEEL						74
Y	309-6718	1	HOUSING GP-FRONT						80
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	311-1886	1	PAN GP-OIL						117
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	315-7814	1	PUMP & MTG GP-FUEL TRANSFER						212
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	309-6719	1	PUMP GP-FUEL INJECTION						224
Y	309-6721	1	PUMP GP-WATER						175
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	315-7819	1	SWITCH GP-PRESSURE						265
Y	308-2317	1	SWITCH GP-TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

307-9834 ENGINE AR-PRIMARY

37 BRAKE KW (50 BHP) AT 2800 RPM

SMCS-1000

i02911692

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	317-0590	1	COVER GP-VALVE MECHANISM						39
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2304	1	DRIVE GP-FAN						65
Y	308-2303	1	FAN GP-SUCTION						164
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	311-1884	1	FLYWHEEL GP						70
Y	308-2311	1	GLOW PLUG GP						254
Y	311-1883	1	HOUSING GP-FLYWHEEL						75
Y	309-6718	1	HOUSING GP-FRONT						80
Y	317-0980	1	HOUSING GP-WATER REGULATOR						166
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	311-1886	1	PAN GP-OIL						117
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	308-2310	1	PUMP GP-FILTER & FUEL TRANSFER						213
Y	309-6719	1	PUMP GP-FUEL INJECTION						224
Y	308-2320	1	PUMP GP-FUEL PRIMING						236
Y	309-6721	1	PUMP GP-WATER						175
Y	315-7819	1	SWITCH GP-PRESSURE						265
Y	308-2314	1	SWITCH GP-START						268
Y	308-2317	1	SWITCH GP-TEMPERATURE (ENGINE COOLANT)						269
Y	309-6716	1	VALVE MECHANISM GP						145

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

307 - 9835 ENGINE AR - PRIMARY

45 BRAKE KW (60 BHP) AT 2800 RPM

SMCS - 1000

i02958627

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	323-9147	1	CAMSHAFT GP						29
Y	308-2299	1	CONNECTION GP-OIL						147
Y	308-2302	1	CONNECTION GP-WATER						160
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	308-2283	1	CRANKSHAFT GP						45
Y	308-2281	1	CYLINDER BLOCK GP						52
Y	308-2284	1	CYLINDER HEAD GP						60
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	322-2412	1	FLYWHEEL GP						72
Y	308-2311	1	GLOW PLUG GP						254
Y	323-9146	1	GOVERNOR GP						209
Y	311-1883	1	HOUSING GP-FLYWHEEL						75
Y	323-9145	1	HOUSING GP-FRONT						106
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	315-7813	1	MOUNTING GP-FAN						169
Y	311-1886	1	PAN GP-OIL						117
Y	308-2286	1	PISTON & ROD GP						124
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	321-6740	1	PULLEY GP-CRANKSHAFT						133
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	308-2287	1	PUMP GP-ENGINE OIL						154
Y	308-2310	1	PUMP GP-FILTER & FUEL TRANSFER						213
Y	308-2289	1	PUMP GP-FUEL INJECTION						222
Y	308-2320	1	PUMP GP-FUEL PRIMING						236
Y	317-0979	1	PUMP GP-WATER						178
Y	315-7819	1	SWITCH GP-PRESSURE						265
Y	308-2314	1	SWITCH GP-START						268
Y	308-2317	1	SWITCH GP-TEMPERATURE (ENGINE COOLANT)						269
Y	308-2308	1	TURBOCHARGER GP						194
Y	308-2285	1	VALVE MECHANISM GP						143
Y-SEPARATE ILLUSTRATION									

ENGINE ARRANGEMENT

308-6561 ENGINE AR-PRIMARY

33 BRAKE KW (44 BHP) AT 2800 RPM

SMCS-1000

i02753882

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6718	1	HOUSING GP-FRONT						80
Y	308-2319	1	CONNECTION GP-ELECTRICAL						249
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	308-2302	1	CONNECTION GP-WATER						160
Y	309-6722	1	COVER GP-VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2303	1	FAN GP-SUCTION						164
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	308-2290	1	HOUSING GP-FLYWHEEL						74
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-2295	1	PAN GP-OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2310	1	PUMP GP-FILTER & FUEL TRANSFER						213
Y	308-2320	1	PUMP GP-FUEL PRIMING						236
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	309-6721	1	PUMP GP-WATER						175
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	308-2312	1	SWITCH GP-PRESSURE (ENGINE OIL)						264
Y	308-2314	1	SWITCH GP-START (HEATER)						268
Y	309-6716	1	VALVE MECHANISM GP						145

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

308-6563 ENGINE AR-PRIMARY

45 BRAKE KW (60 BHP) AT 2800 RPM

SMCS-1000

i03126373

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	329-9278	1	CAMSHAFT GP						31
Y	308-2319	1	CONNECTION GP-ELECTRICAL						249
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-2299	1	CONNECTION GP-OIL						147
Y	308-2302	1	CONNECTION GP-WATER						160
Y	329-9277	1	CONTROL GP-GOVERNOR						200
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	308-2283	1	CRANKSHAFT GP						45
Y	308-2281	1	CYLINDER BLOCK GP						52
Y	308-2284	1	CYLINDER HEAD GP						60
Y	308-2304	1	DRIVE GP-FAN						65
Y	308-2303	1	FAN GP-SUCTION						164
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	308-2290	1	HOUSING GP-FLYWHEEL						74
Y	308-2288	1	HOUSING GP-FRONT						79
Y	308-2321	1	LAMP GP						272
Y	308-2315	1	LIFTING GP-ENGINE						108
Y	308-2295	1	PAN GP-OIL						115
Y	308-2286	1	PISTON & ROD GP						124
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	321-6740	1	PULLEY GP-CRANKSHAFT						133
Y	308-2287	1	PUMP GP-ENGINE OIL						154
Y	308-2310	1	PUMP GP-FILTER & FUEL TRANSFER						213
Y	308-2320	1	PUMP GP-FUEL PRIMING						236
Y	308-2301	1	PUMP GP-WATER						172
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	308-2312	1	SWITCH GP-PRESSURE (ENGINE OIL)						264
Y	308-2314	1	SWITCH GP-START (HEATER)						268
Y	308-2317	1	SWITCH GP-TEMPERATURE (ENGINE COOLANT)						269
Y	308-2308	1	TURBOCHARGER GP						194
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	308-2285	1	VALVE MECHANISM GP						143

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

309 - 1463 ENGINE AR - PRIMARY

46 BRAKE KW (61 BHP) AT 3000 RPM

SMCS - 1000

i03188100

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-2299	1	CONNECTION GP-OIL						147
Y	308-2302	1	CONNECTION GP-WATER						160
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	308-2283	1	CRANKSHAFT GP						45
Y	308-2281	1	CYLINDER BLOCK GP						52
Y	308-2284	1	CYLINDER HEAD GP						60
Y	311-1119	1	DRIVE GP-FAN						66
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	327-7632	1	FLYWHEEL GP						73
Y	308-2311	1	GLOW PLUG GP						254
Y	317-0588	1	HOUSING GP-FLYWHEEL						76
Y	321-8207	1	HOUSING GP-FRONT						96
Y	311-9030	1	INSTRUMENT GP						270
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	317-3037	1	PAN GP-OIL						119
Y	308-2286	1	PISTON & ROD GP						124
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	321-6740	1	PULLEY GP-CRANKSHAFT						133
Y	328-2488	1	PULLEY GP-WATER PUMP						137
Y	308-2287	1	PUMP GP-ENGINE OIL						154
Y	317-0977	1	PUMP GP-FUEL INJECTION						230
Y	311-9028	1	PUMP GP-FUEL TRANSFER						239
Y	317-0979	1	PUMP GP-WATER						178
Y	315-7817	1	SOLENOID GP-SHUTOFF						258
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	321-4261	1	SWITCH GP-PRESSURE						266
Y	308-2308	1	TURBOCHARGER GP						194
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	308-2285	1	VALVE MECHANISM GP						143
Y-SEPARATE ILLUSTRATION									

ENGINE ARRANGEMENT

310-0598 ENGINE AR - PRIMARY

37 BRAKE KW (50 BHP) AT 2800 RPM

SMCS - 1000

i03202765

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	317-3038	1	ALTERNATOR GP - CHARGING						246
Y	308-2309	1	CONNECTION GP - EXHAUST						188
Y	308-2302	1	CONNECTION GP - WATER						160
Y	317-3041	1	CONTROL GP - MANUAL START/STOP						252
Y	308-2307	1	COVER GP - FRONT HOUSING						33
Y	317-0590	1	COVER GP - VALVE MECHANISM						39
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2304	1	DRIVE GP - FAN						65
Y	308-2303	1	FAN GP - SUCTION						164
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	311-1884	1	FLYWHEEL GP						70
Y	317-3040	1	GLOW PLUG GP						255
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	309-6718	1	HOUSING GP - FRONT						80
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	309-6724	1	MANIFOLD GP - EXHAUST						192
Y	308-4735	1	MOUNTING GP - ENGINE OIL FILTER						153
Y	317-3037	1	PAN GP - OIL						119
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	308-2300	1	PULLEY GP - CRANKSHAFT						132
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	309-6717	1	PUMP GP - ENGINE OIL						157
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	309-6719	1	PUMP GP - FUEL INJECTION						224
Y	308-2320	1	PUMP GP - FUEL PRIMING						236
Y	309-6721	1	PUMP GP - WATER						175
Y	317-3036	1	STARTING MOTOR GP - ELECTRIC						263
Y	308-2312	1	SWITCH GP - PRESSURE						264
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	317-3039	1	V-BELT GP (WATER PUMP)						140
Y	309-6716	1	VALVE MECHANISM GP						145

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

310-7852 ENGINE AR-PRIMARY

45 BRAKE KW (60 BHP) AT 2800 RPM. TIER III

SMCS-1000

i03202763

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	323-9147	1	CAMSHAFT GP						29
Y	321-6741	1	CONNECTION GP-ELECTRICAL						250
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-2299	1	CONNECTION GP-OIL						147
Y	308-2302	1	CONNECTION GP-WATER						160
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	308-2283	1	CRANKSHAFT GP						45
Y	308-2281	1	CYLINDER BLOCK GP						52
Y	308-2284	1	CYLINDER HEAD GP						60
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	327-7632	1	FLYWHEEL GP						73
Y	308-2311	1	GLOW PLUG GP						254
Y	323-9146	1	GOVERNOR GP						209
Y	317-0588	1	HOUSING GP-FLYWHEEL						76
Y	323-9145	1	HOUSING GP-FRONT						106
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	315-7813	1	MOUNTING GP-FAN						169
Y	317-3037	1	PAN GP-OIL						119
Y	308-2286	1	PISTON & ROD GP						124
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	321-6740	1	PULLEY GP-CRANKSHAFT						133
Y	311-9027	1	PULLEY GP-WATER PUMP						136
Y	308-2287	1	PUMP GP-ENGINE OIL						154
Y	308-2289	1	PUMP GP-FUEL INJECTION						222
Y	327-7633	1	PUMP GP-FUEL TRANSFER						242
Y	317-0979	1	PUMP GP-WATER						178
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	315-7819	1	SWITCH GP-PRESSURE						265
Y	308-2317	1	SWITCH GP-TEMPERATURE (ENGINE COOLANT)						269
Y	308-2308	1	TURBOCHARGER GP						194
Y	311-9029	1	V-BELT GP (WATER PUMP)						139
Y	308-2285	1	VALVE MECHANISM GP						143
Y-SEPARATE ILLUSTRATION									

ENGINE ARRANGEMENT

316-5690 ENGINE AR - PRIMARY

38 BRAKE KW (51 BHP) AT 3000 RPM

SMCS - 1000

i02979427

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	325-9476	1	CAMSHAFT GP						30
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-5610	1	CONNECTION GP - EXHAUST						189
Y	308-2302	1	CONNECTION GP - WATER						160
Y	308-2313	1	CONTROL GP - MANUAL START / STOP						251
Y	308-2307	1	COVER GP - FRONT HOUSING						33
Y	309-6722	1	COVER GP - VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2304	1	DRIVE GP - FAN						65
Y	308-2303	1	FAN GP - SUCTION						164
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	325-9475	1	CONTROL GP - GOVERNOR						198
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	311-1682	1	HOUSING GP - FRONT						88
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	309-6724	1	MANIFOLD GP - EXHAUST						192
Y	308-4735	1	MOUNTING GP - ENGINE OIL FILTER						153
Y	311-1886	1	PAN GP - OIL						117
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	308-2300	1	PULLEY GP - CRANKSHAFT						132
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	309-6717	1	PUMP GP - ENGINE OIL						157
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	311-1683	1	PUMP GP - FUEL INJECTION						226
Y	317-6706	1	PUMP GP - FUEL PRM & PRIM FILTER						237
Y	309-6721	1	PUMP GP - WATER						175
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	308-2312	1	SWITCH GP - PRESSURE						264
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y - SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

316-5692 ENGINE AR - PRIMARY

38 BRAKE KW (51 BHP) AT 3000 RPM

SMCS - 1000

i02979428

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	325-9476	1	CAMSHAFT GP						30
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-5610	1	CONNECTION GP - EXHAUST						189
Y	308-2302	1	CONNECTION GP - WATER						160
Y	308-2313	1	CONTROL GP - MANUAL START / STOP						251
Y	308-2307	1	COVER GP - FRONT HOUSING						33
Y	309-6722	1	COVER GP - VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	311-1119	1	DRIVE GP - FAN						66
Y	319-1623	1	FAN GP - BLOWER						163
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	325-9475	1	CONTROL GP - GOVERNOR						198
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	311-1682	1	HOUSING GP - FRONT						88
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	309-6724	1	MANIFOLD GP - EXHAUST						192
Y	308-4735	1	MOUNTING GP - ENGINE OIL FILTER						153
Y	311-1886	1	PAN GP - OIL						117
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	308-2300	1	PULLEY GP - CRANKSHAFT						132
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	309-6717	1	PUMP GP - ENGINE OIL						157
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	311-1683	1	PUMP GP - FUEL INJECTION						226
Y	317-6706	1	PUMP GP - FUEL PRM & PRIM FILTER						237
Y	309-6721	1	PUMP GP - WATER						175
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	308-2312	1	SWITCH GP - PRESSURE						264
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y - SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

316-5693 ENGINE AR - PRIMARY

48 BRAKE KW (60 BHP) AT 2800 RPM

SMCS - 1000

i03097725

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP - CHARGING						245
Y	329-9278	1	CAMSHAFT GP						31
Y	308-2319	1	CONNECTION GP - ELECTRICAL						249
Y	308-5610	2	CONNECTION GP - EXHAUST						189
Y	308-2299	1	CONNECTION GP - OIL						147
Y	308-2302	1	CONNECTION GP - WATER						160
Y	329-9277	1	CONTROL GP - GOVERNOR						200
Y	308-2307	1	COVER GP - FRONT HOUSING						33
Y	308-2283	1	CRANKSHAFT GP						45
Y	308-2281	1	CYLINDER BLOCK GP						52
Y	308-2284	1	CYLINDER HEAD GP						60
Y	311-1119	1	DRIVE GP - FAN						66
Y	319-1623	1	FAN GP - BLOWER						163
Y	308-2297	1	FILLER GP - ENGINE OIL						148
Y	308-2298	1	FILTER GP - ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	308-2290	1	HOUSING GP - FLYWHEEL						74
Y	308-2288	1	HOUSING GP - FRONT						79
Y	309-6725	1	LIFTING GP - ENGINE						109
Y	311-1886	1	PAN GP - OIL						117
Y	308-2286	1	PISTON & ROD GP						124
Y	309-6720	1	PLUG GP - OIL PAN						128
Y	321-6740	1	PULLEY GP - CRANKSHAFT						133
Y	308-2294	1	PULLEY GP - WATER PUMP						135
Y	308-2287	1	PUMP GP - ENGINE OIL						154
Y	308-2310	1	PUMP GP - FILTER & FUEL TRANSFER						213
Y	308-2289	1	PUMP GP - FUEL INJECTION						222
Y	317-6706	1	PUMP GP - FUEL PRM & PRIM FILTER						237
Y	317-0979	1	PUMP GP - WATER						178
Y	308-2293	1	STARTING MOTOR GP - ELECTRIC						262
Y	308-2312	1	SWITCH GP - PRESSURE						264
Y	308-2317	1	SWITCH GP - TEMPERATURE (ENGINE COOLANT)						269
Y	308-2308	1	TURBOCHARGER GP						194
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	308-2285	1	VALVE MECHANISM GP						143

Y - SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

316-8411 ENGINE AR-PRIMARY

24 BRAKE KW (33 BHP) AT 1800 RPM

SMCS-1000

i03215197

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	317-0649	1	AIR CLEANER GP						187
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	321-6741	1	CONNECTION GP-ELECTRICAL						250
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-2302	1	CONNECTION GP-WATER						160
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	329-8577	1	COVER GP-FRONT HOUSING						34
Y	309-6722	1	COVER GP-VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	317-0586	1	FLYWHEEL GP						71
Y	308-2311	1	GLOW PLUG GP						254
Y	317-0588	1	HOUSING GP-FLYWHEEL						76
Y	321-4257	1	HOUSING GP-FRONT						92
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	331-2589	1	LINES GP-COOLANT						167
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-2295	1	PAN GP-OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	324-8999	1	PUMP GP-FILTER & FUEL TRANSFER						216
Y	321-4258	1	PUMP GP-FUEL INJECTION						232
Y	308-2320	1	PUMP GP-FUEL PRIMING						236
Y	308-2301	1	PUMP GP-WATER						172
Y	331-3270	1	RADIATOR & FAN GP						184
Y	320-9114	1	SHUTOFF GP-ELECTRICAL						257
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	315-7819	1	SWITCH GP-PRESSURE						265
Y	308-2314	1	SWITCH GP-START						268
Y	308-2317	1	SWITCH GP-TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y- SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

318-1706 ENGINE AR-PRIMARY

37 BRAKE KW (50 BHP) AT 2800 RPM

SMCS-1000

i03125360

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	321-6741	1	CONNECTION GP-ELECTRICAL						250
Y	308-2302	1	CONNECTION GP-WATER						160
Y	322-2427	1	CONNECTOR GP-CAB HEATER LINES						162
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	322-2424	1	COVER GP-VALVE MECHANISM						41
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	325-5669	1	DRIVE GP-FAN						67
Y	328-3296	1	DRIVE GP-FRONT						64
Y	322-2421	1	FILLER GP-ENGINE OIL						150
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	322-2412	1	FLYWHEEL GP						72
Y	308-2311	1	GLOW PLUG GP						254
Y	311-1883	1	HOUSING GP-FLYWHEEL						75
Y	309-6718	1	HOUSING GP-FRONT						80
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	315-5256	1	MANIFOLD GP-EXHAUST						193
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	322-2416	1	PAN GP-OIL						121
Y	309-6714	1	PISTON & ROD GP						125
Y	322-2426	1	PLUG GP-ENGINE						127
Y	322-2420	1	PLUG GP-OIL PAN						129
Y	322-2422	1	PULLEY GP-AUXILIARY DRIVE						130
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	309-6719	1	PUMP GP-FUEL INJECTION						224
Y	311-9028	1	PUMP GP-FUEL TRANSFER						239
Y	322-2425	1	PUMP GP-GEAR						165
Y	309-6721	1	PUMP GP-WATER						175
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	308-2312	1	SWITCH GP-PRESSURE						264
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

318-1707 ENGINE AR-PRIMARY

31 BRAKE KW (42 BHP) AT 2600 RPM

SMCS-1000

i03126383

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	321-6741	1	CONNECTION GP-ELECTRICAL						250
Y	308-2302	1	CONNECTION GP-WATER						160
Y	317-7194	1	CONNECTOR GP-CAB HEATER LINES						161
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	322-2424	1	COVER GP-VALVE MECHANISM						41
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	325-5669	1	DRIVE GP-FAN						67
Y	328-3296	1	DRIVE GP-FRONT						64
Y	322-2421	1	FILLER GP-ENGINE OIL						150
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	322-2412	1	FLYWHEEL GP						72
Y	308-2311	1	GLOW PLUG GP						254
Y	311-1883	1	HOUSING GP-FLYWHEEL						75
Y	322-3074	1	HOUSING GP-FRONT						102
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	315-5256	1	MANIFOLD GP-EXHAUST						193
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	322-2416	1	PAN GP-OIL						121
Y	309-6714	1	PISTON & ROD GP						125
Y	322-2426	1	PLUG GP-ENGINE						127
Y	322-2420	1	PLUG GP-OIL PAN						129
Y	322-2422	1	PULLEY GP-AUXILIARY DRIVE						130
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	322-3075	1	PUMP GP-FUEL INJECTION						234
Y	311-9028	1	PUMP GP-FUEL TRANSFER						239
Y	322-2425	1	PUMP GP-GEAR						165
Y	309-6721	1	PUMP GP-WATER						175
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	308-2312	1	SWITCH GP-PRESSURE						264
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

326 - 1872 ENGINE AR - PRIMARY

36 BRAKE KW (19 BHP) AT 2800 RPM

SMCS - 1000

i03179921

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	308-2302	1	CONNECTION GP-WATER						160
Y	317-0590	1	COVER GP-VALVE MECHANISM						39
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	308-2291	1	FLYWHEEL GP						69
Y	308-2311	1	GLOW PLUG GP						254
Y	311-1883	1	HOUSING GP-FLYWHEEL						75
Y	309-6718	1	HOUSING GP-FRONT						80
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-4735	1	MOUNTING GP-ENGINE OIL FILTER						153
Y	315-7813	1	MOUNTING GP-FAN						169
Y	311-1886	1	PAN GP-OIL						117
Y	309-6714	1	PISTON & ROD GP						125
Y	322-2426	1	PLUG GP-ENGINE						127
Y	309-6720	1	PLUG GP-OIL PAN						128
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	315-7814	1	PUMP & MTG GP-FUEL TRANSFER						212
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	309-6719	1	PUMP GP-FUEL INJECTION						224
Y	309-6721	1	PUMP GP-WATER						175
Y	315-7817	1	SOLENOID GP-SHUTOFF						258
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	334-0268	1	SWITCH GP-PRESSURE						267
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145
Y-SEPARATE ILLUSTRATION									

ENGINE ARRANGEMENT

328-2696 ENGINE AR-PRIMARY

38 BRAKE KW (50 BHP) AT 2800 RPM

SMCS-1000

i03077106

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	265-6942	1	ALTERNATOR GP-CHARGING						244
Y	218-2298	1	CAMSHAFT GP						27
Y	169-0849	1	CONNECTION GP-ELECTRICAL (ALTERNATOR)						247
Y	219-7601	1	CONNECTION GP-ELECTRICAL (STARTING MOTOR)						248
Y	218-2377	1	COVER GP-VALVE MECHANISM						35
Y	217-1447	1	CRANKSHAFT GP						43
Y	217-7395	1	CYLINDER BLOCK GP						49
Y	217-2746	1	CYLINDER HEAD GP						59
Y	218-2356	1	FILTER & LINES GP-FUEL						202
Y	197-8430	1	FLANGE GP-EXHAUST						190
Y	192-0115	1	FLYWHEEL GP						68
Y	154-1933	1	GLOW PLUG GP						253
Y	231-4694	1	GOVERNOR GP						204
Y	218-2253	1	HOUSING GP-FRONT						77
Y	198-5311	1	LAMP GP						271
Y	154-1877	1	LIFTING GP-ENGINE						107
Y	160-3568	1	MANIFOLD GP-EXHAUST						191
Y	154-2435	1	MOUNTING GP-FAN						168
Y	238-8189	1	PAN GP-OIL						111
Y	217-1480	1	PISTON & ROD GP						123
Y	217-2777	1	PULLEY GP-CRANKSHAFT						131
Y	218-2323	1	PULLEY GP-WATER PUMP						134
Y	176-7711	1	PUMP & MTG GP-FUEL TRANSFER						211
Y	270-6757	1	PUMP GP-FUEL INJECTION						218
Y	218-2305	1	PUMP GP-WATER						170
Y	217-5795	1	SENSOR GP-TEMP & PRESS (ENGINE COOLANT, ENGINE OIL)						256
Y	168-8979	1	STARTING MOTOR GP-ELECTRIC						261
Y	217-2753	1	VALVE MECHANISM GP						141
	240-0658	1	CYLINDER BLOCK GP (LONG)						

Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

334-0267 ENGINE AR-PRIMARY

33 BRAKE KW (44 BHP) AT 2800 RPM

SMCS-1000

i03192240

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	317-0649	1	AIR CLEANER GP						187
Y	308-2305	1	ALTERNATOR GP-CHARGING						245
Y	308-2319	1	CONNECTION GP-ELECTRICAL						249
Y	308-2309	1	CONNECTION GP-EXHAUST						188
Y	308-2302	1	CONNECTION GP-WATER						160
Y	308-2313	1	CONTROL GP-MANUAL START/STOP						251
Y	308-2307	1	COVER GP-FRONT HOUSING						33
Y	309-6722	1	COVER GP-VALVE MECHANISM						37
Y	309-6713	1	CRANKSHAFT GP						47
Y	309-6712	1	CYLINDER BLOCK GP						54
Y	309-6715	1	CYLINDER HEAD GP						62
Y	308-2297	1	FILLER GP-ENGINE OIL						148
Y	308-2298	1	FILTER GP-ENGINE OIL						152
Y	317-0586	1	FLYWHEEL GP						71
Y	308-2311	1	GLOW PLUG GP						254
Y	317-0588	1	HOUSING GP-FLYWHEEL						76
Y	309-6718	1	HOUSING GP-FRONT						80
Y	308-2321	1	LAMP GP						272
Y	309-6725	1	LIFTING GP-ENGINE						109
Y	331-2589	1	LINES GP-COOLANT						167
Y	309-6724	1	MANIFOLD GP-EXHAUST						192
Y	308-2295	1	PAN GP-OIL						115
Y	309-6714	1	PISTON & ROD GP						125
Y	315-5252	1	PLUG GP-ENGINE						126
Y	308-2300	1	PULLEY GP-CRANKSHAFT						132
Y	308-2294	1	PULLEY GP-WATER PUMP						135
Y	309-6717	1	PUMP GP-ENGINE OIL						157
Y	308-2310	1	PUMP GP-FILTER & FUEL TRANSFER						213
Y	309-6719	1	PUMP GP-FUEL INJECTION						224
Y	308-2301	1	PUMP GP-WATER						172
Y	331-3270	1	RADIATOR & FAN GP						184
Y	308-2293	1	STARTING MOTOR GP-ELECTRIC						262
Y	315-7819	1	SWITCH GP-PRESSURE						265
Y	308-2314	1	SWITCH GP-START						268
Y	308-2317	1	SWITCH GP-TEMPERATURE (ENGINE COOLANT)						269
Y	308-2306	1	V-BELT GP (FAN DRIVE)						138
Y	309-6716	1	VALVE MECHANISM GP						145

Y-SEPARATE ILLUSTRATION

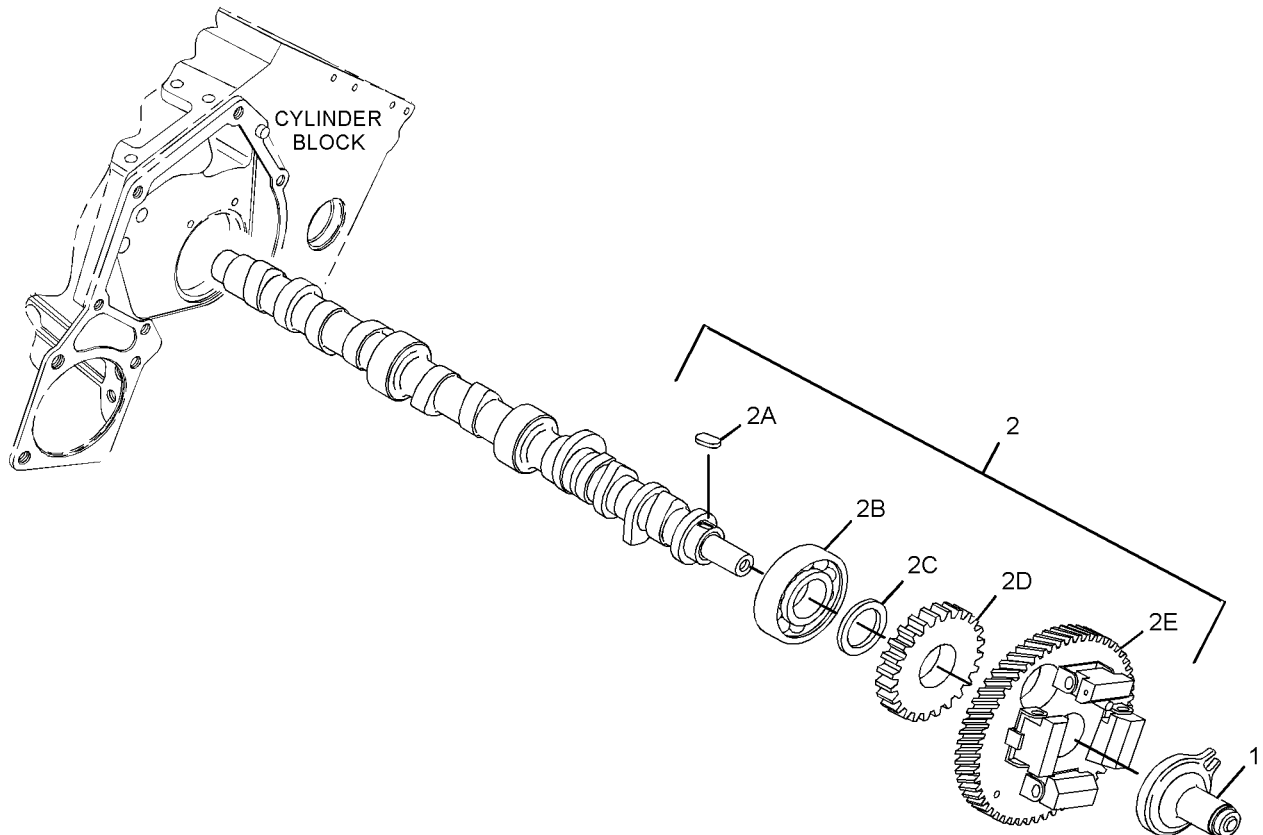
BASIC ENGINE

218-2298 CAMSHAFT GP

SMCS-1210

i03082428

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	217-7174	1	TAPPET						
	2	1	154-4504	1	CAMSHAFT AS						
	2A	1	153-6492	1	KEY-WOODRUFF						
	2B	1	154-4505	1	BEARING						
	2C	1	154-4506	3	SPACER						
	2D	1	154-4507	1	GEAR - CAMSHAFT (22-TEETH)						
	2E	1	154-4508	1	GEAR - CAMSHAFT (66-TEETH)						



GRAPHIC #1

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g01652470

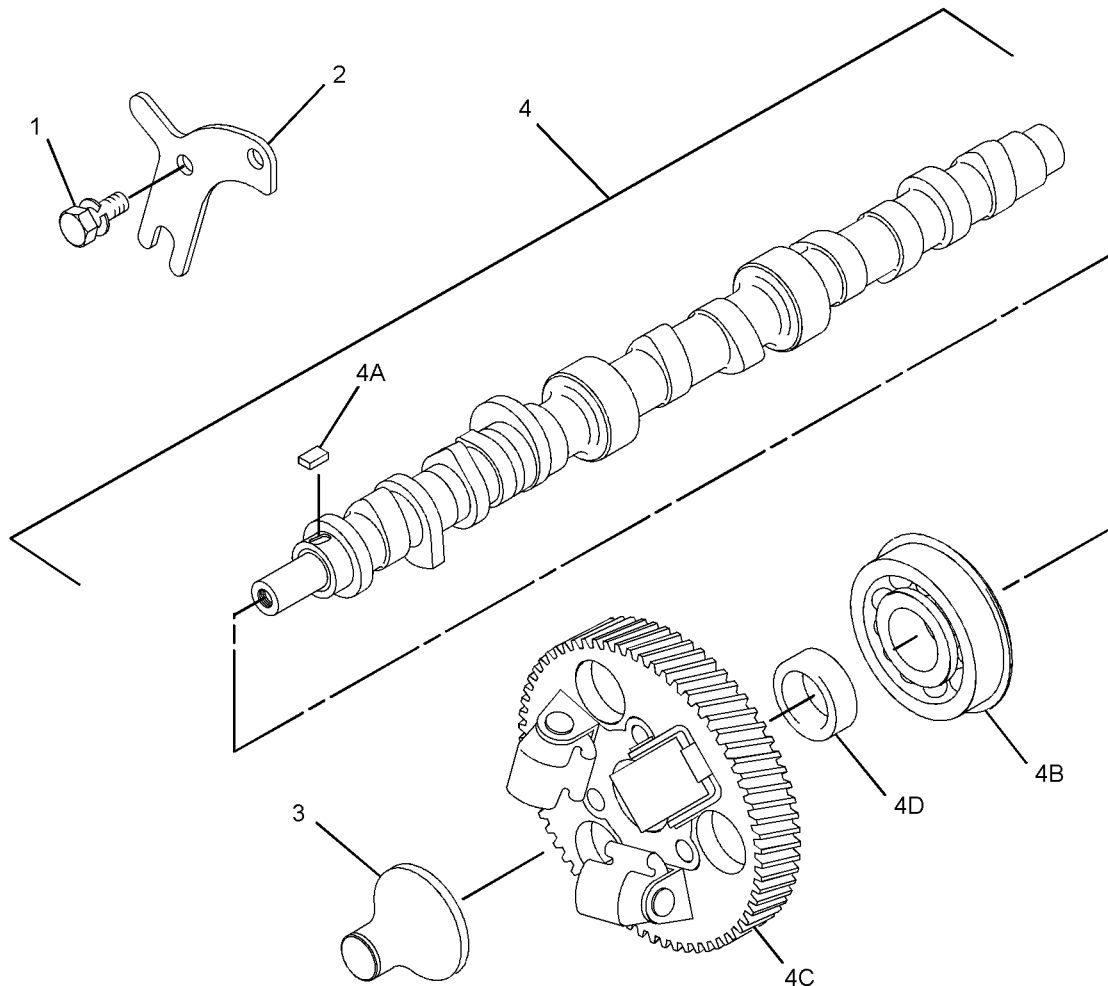
BASIC ENGINE

311-9025 CAMSHAFT GP

SMCS-1210

i02770463

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6838	2	BOLT						
	2	1	154-1680	1	PLATE						
	3	1	308-1904	1	SLIDER						
	4	1	309-6733	1	CAMSHAFT AS						
	4A	1	153-6492	1	KEY-WOODRUFF						
	4B	1	154-4505	1	BEARING						
	4C	1	308-1903	1	GEAR-CAMSHAFT (66-TEETH)						
	4D	1	313-9323	1	SPACER						



GRAPHIC #1

<END>

g01418833

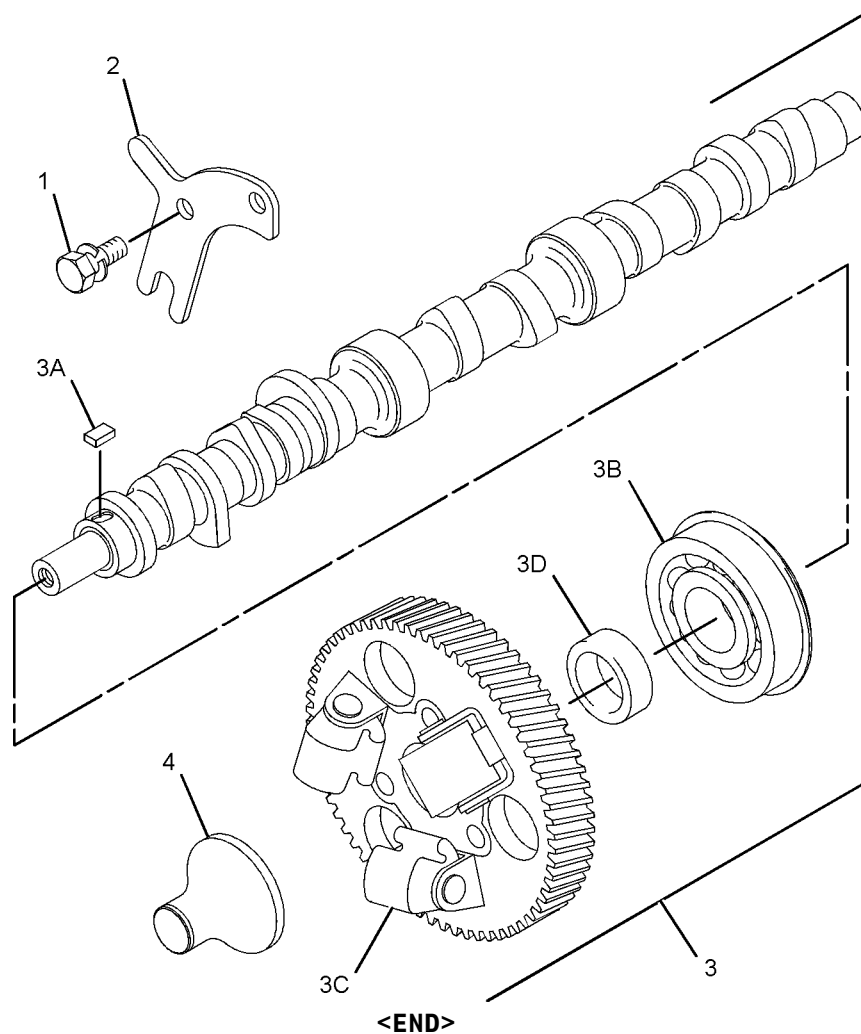
BASIC ENGINE

323-9147 CAMSHAFT GP

SMCS-1210

i02959284

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6838	2	BOLT						
	2	1	154-1680	1	PLATE						
	3	1	308-1902	1	CAMSHAFT AS						
	3A	1	153-6492	1	KEY-WOODRUFF						
	3B	1	154-4505	1	BEARING						
	3C	1	308-1903	1	GEAR-CAMSHAFT (66-TEETH)						
	3D	1	313-9323	1	SPACER						
	4	1	308-1904	1	SLIDER						



GRAPHIC #1

<END>

g01629653

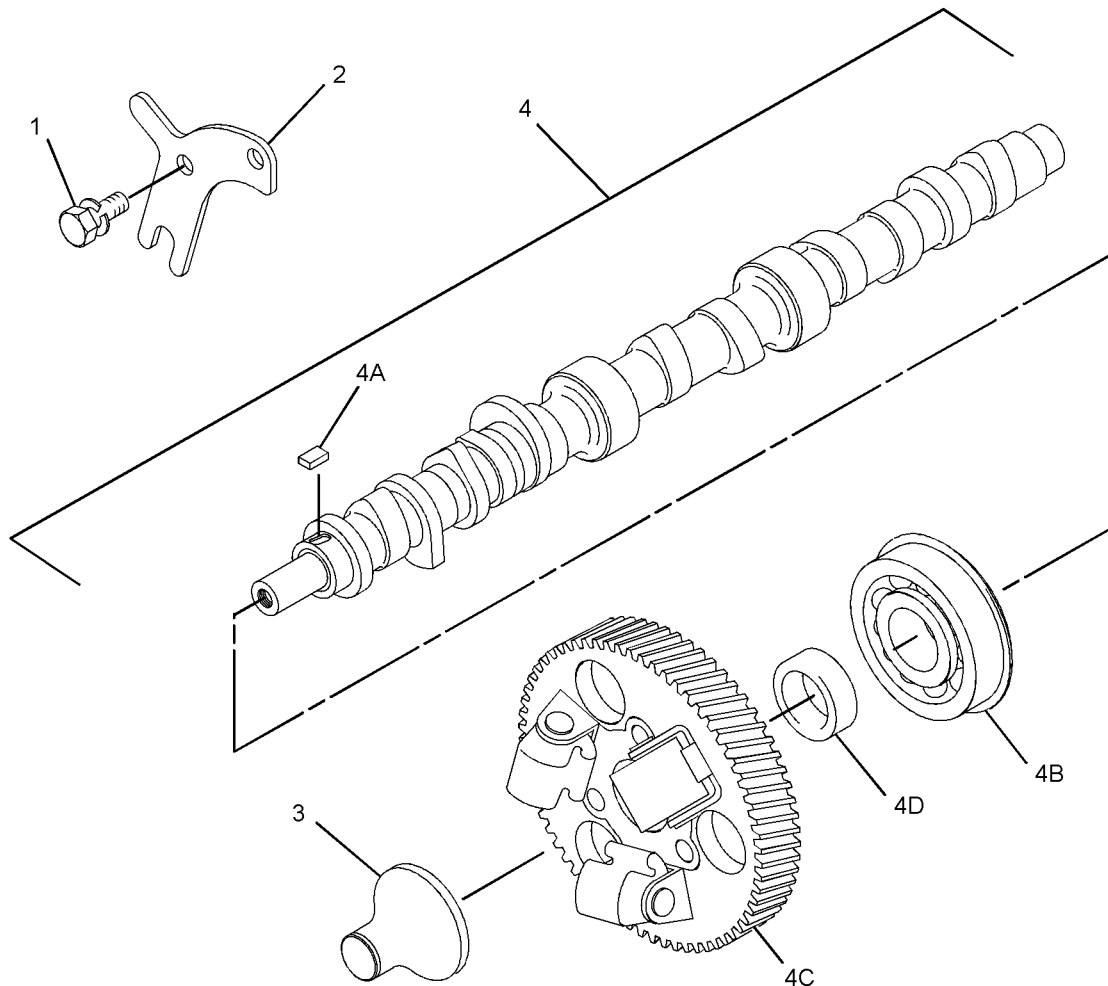
BASIC ENGINE

325-9476 CAMSHAFT GP

SMCS-1210

i02958750

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6838	2	BOLT						
	2	1	154-1680	1	PLATE						
	3	1	308-1904	1	SLIDER						
	4	1	309-6733	1	CAMSHAFT AS						
	4A	1	153-6492	1	KEY-WOODRUFF						
	4B	1	154-4505	1	BEARING						
	4C	1	308-1903	1	GEAR-CAMSHAFT (66-TEETH)						
	4D	1	313-9323	1	SPACER						



GRAPHIC #1

<END>

g01418833

BASIC ENGINE

329-9278 CAMSHAFT GP

SMCS-1210

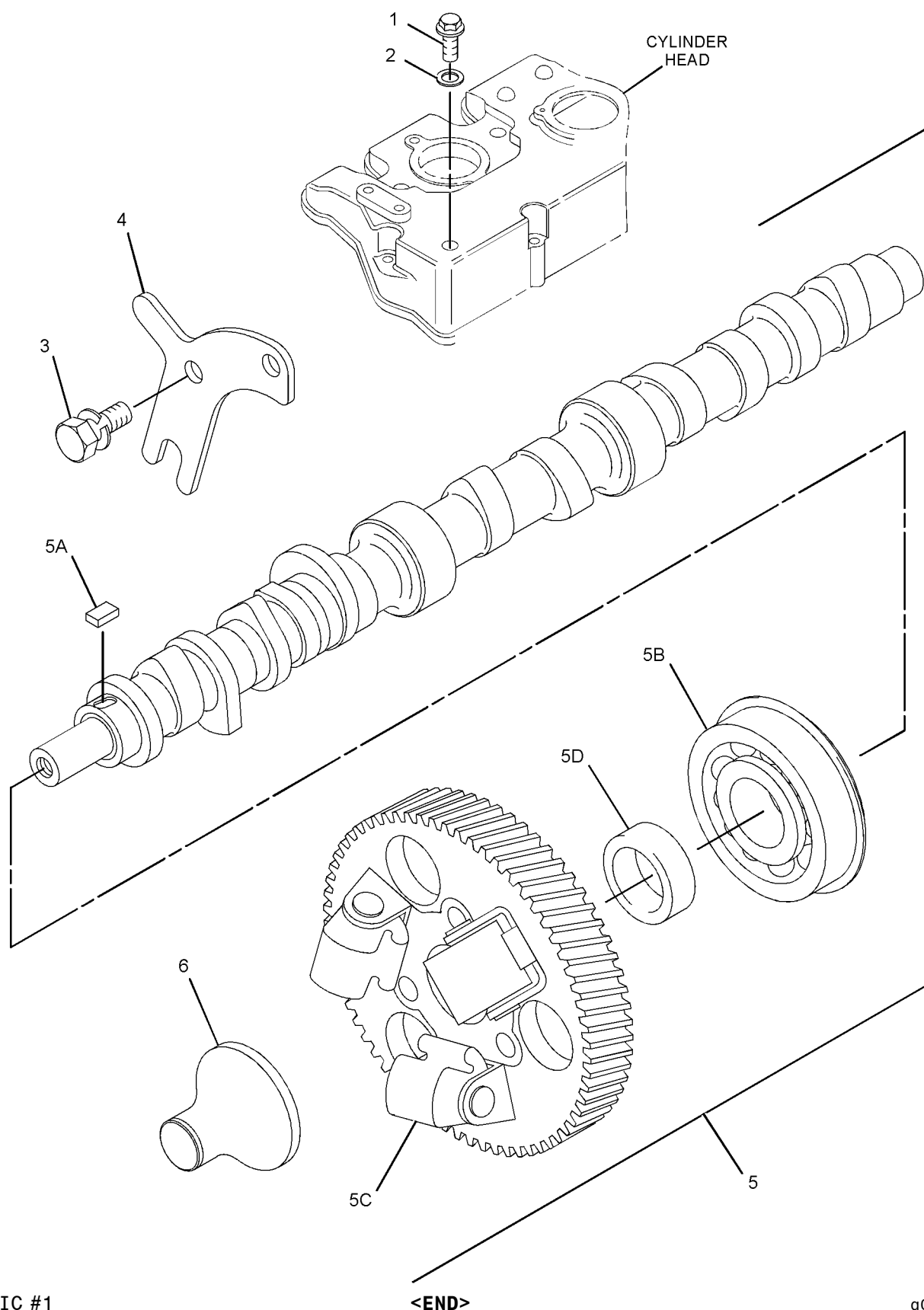
i03075443

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0846	1	BOLT (M6X1X14-MM)						
	2	1	153-6415	1	WASHER						
	3	1	153-6838	2	BOLT						
	4	1	154-1680	1	PLATE						
	5	1	308-1902	1	CAMSHAFT AS						
	5A	1	153-6492	1	KEY-WOODRUFF						
	5B	1	154-4505	1	BEARING						
	5C	1	308-1903	1	GEAR-CAMSHAFT (66-TEETH)						
	5D	1	313-9323	1	SPACER						
	6	1	308-1904	1	SLIDER						

BASIC ENGINE

329-9278 CAMSHAFT GP (contd.)

i03075443



GRAPHIC #1

g01616642

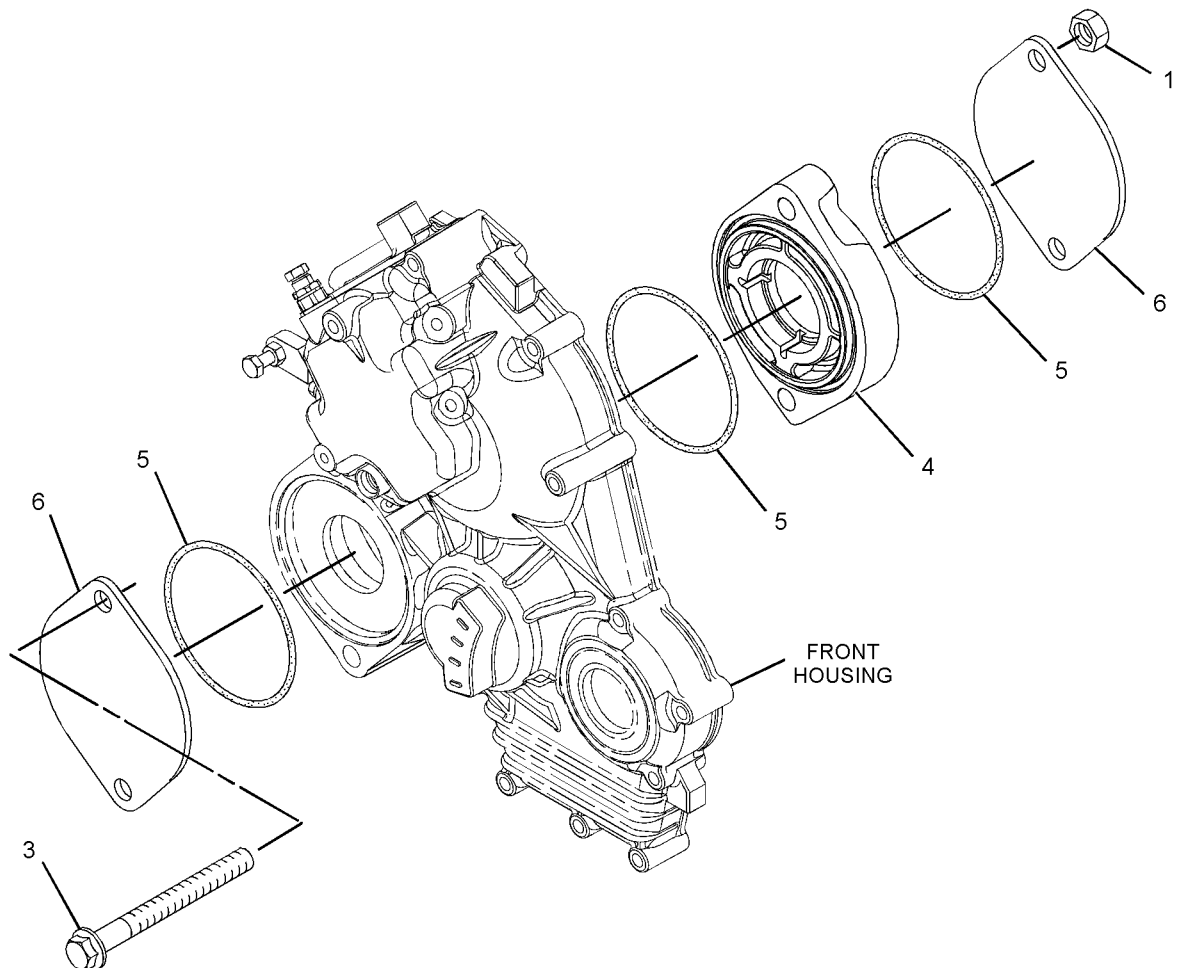
BASIC ENGINE

308-2307 COVER GP - FRONT HOUSING

SMCS-1151, 1166

i02998720

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0594	2	NUT (M10X1.15-THD)						
	3	1	164-7468	2	BOLT						
	4	1	308-1874	1	HOLDER						
	5	1	308-1875	3	SEAL-O-RING						
	6	1	328-3229	2	COVER						



GRAPHIC #1

<END>

g01643053

BASIC ENGINE

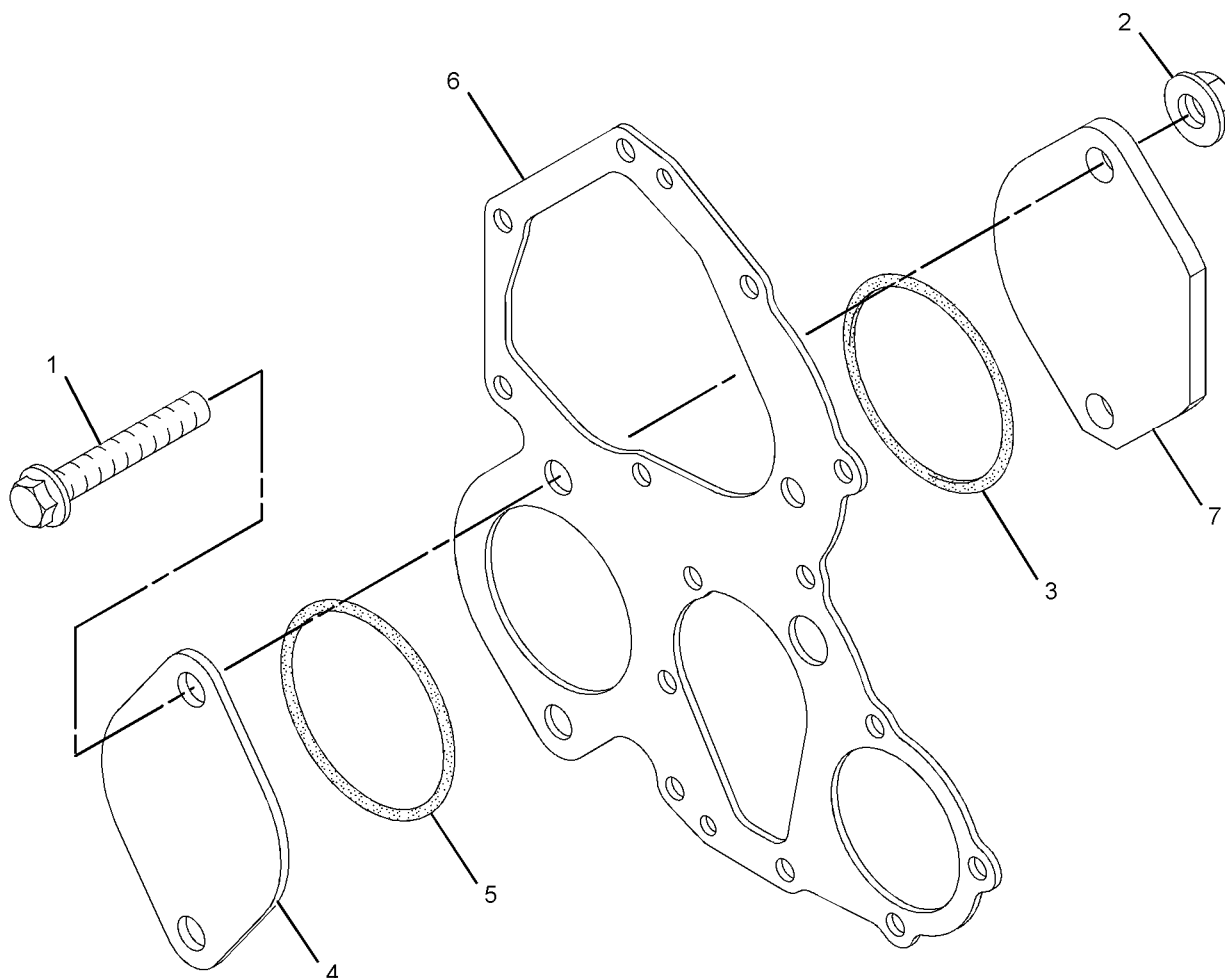
329-8577 COVER GP-FRONT HOUSING

SMCS-1151, 1166

i03085040

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	6I-0454	2	BOLT (M10X1.5X70-MM)						
	2	1	6I-0594	2	NUT (M10X1.15-THD)						
	3	1	153-6497	1	SEAL-O-RING						
	4	1	311-5852	1	PLATE						
	5	1	311-5853	1	SEAL-O-RING						
	6	1	321-5906	1	PLATE						
	7	1	329-8576	1	PLATE						

M-METRIC PART



GRAPHIC #1

<END>

g01614834

BASIC ENGINE

218-2377 COVER GP-VALVE MECHANISM

SMCS-1107

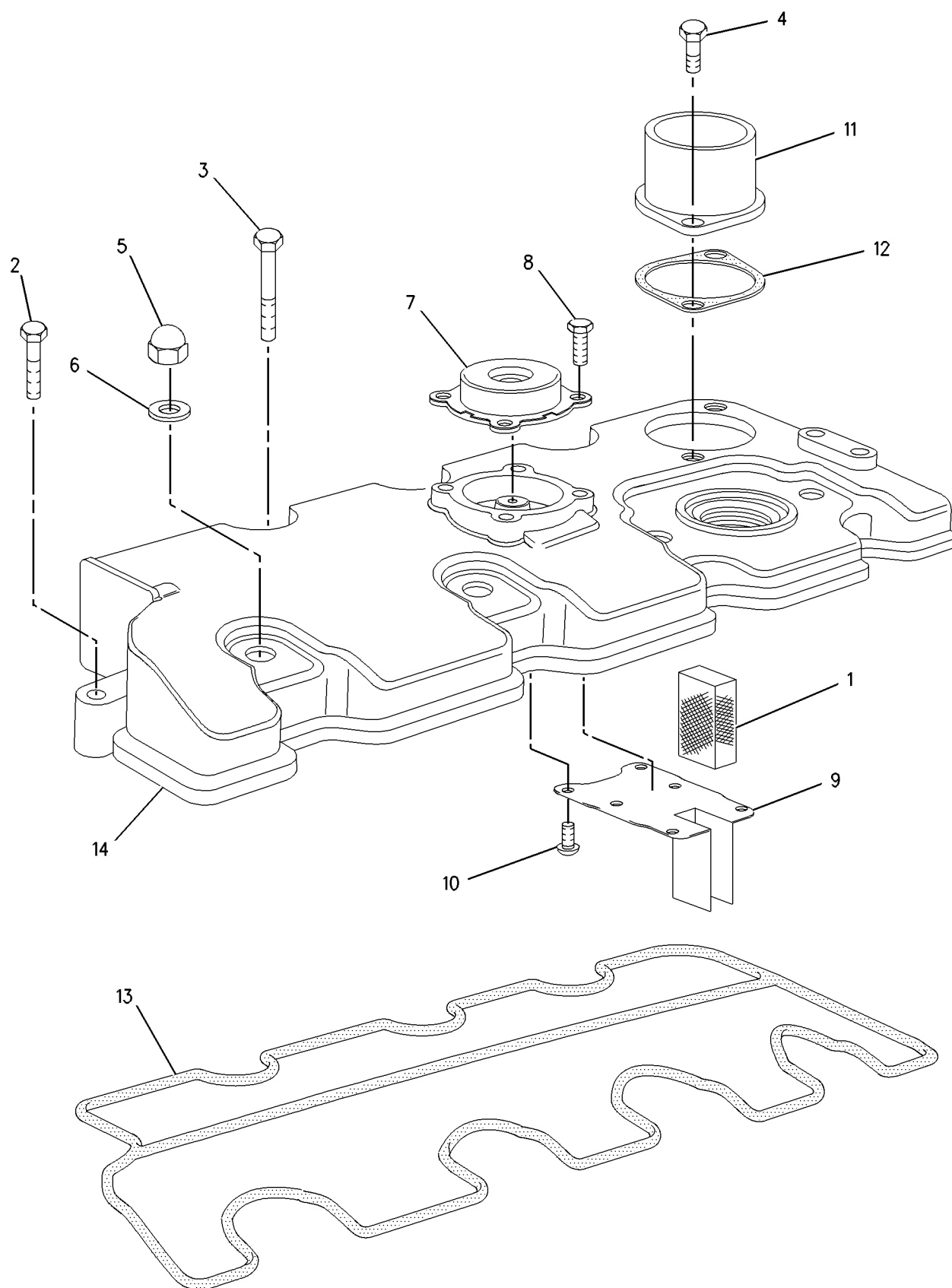
i03116566

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5939	1	GAUZE (CRANKCASE BREATHER)						
	2	1	165-2140	2	BOLT						
	3	1	153-5962	3	BOLT						
	4	1	153-7640	2	BOLT						
	5	1	154-1347	4	NUT						
	6	1	190-3762	4	WASHER						
	7	1	217-5859	1	VALVE-BREATHER (CRANKCASE)						
	8	1	217-5860	4	BOLT						
	9	1	217-5861	1	PLATE-RETAINING						
	10	1	217-5862	6	BOLT						
	11	1	309-6735	1	TUBE-AIR						
	12	1	217-5864	1	GASKET						
	13	1	233-0695	1	SEAL-VALVE COVER						
	14	1	233-7060	1	COVER-VALVE						

BASIC ENGINE

218-2377 COVER GP-VALVE MECHANISM (contd.)

i03116566



GRAPHIC #1

<END>

g00870087

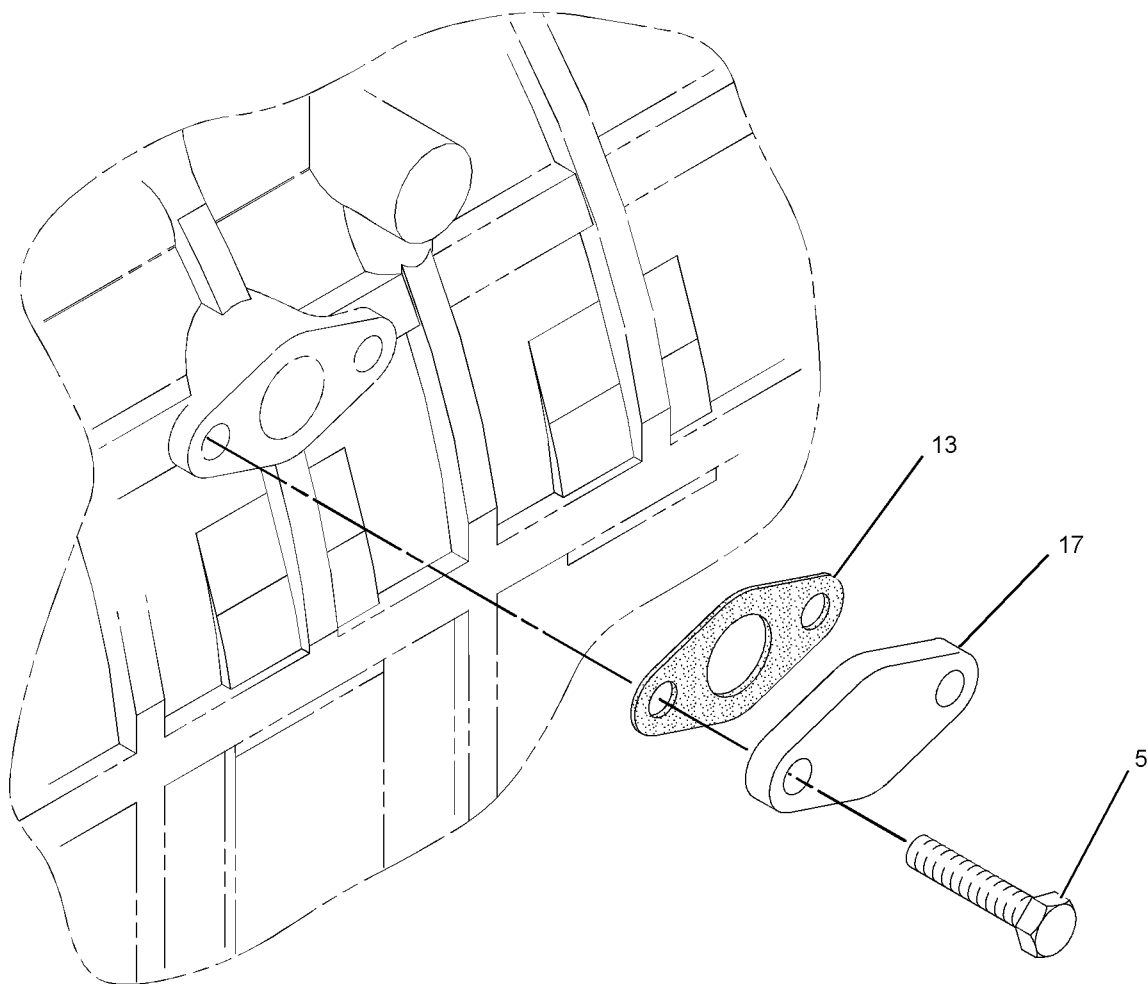
BASIC ENGINE

309-6722 COVER GP-VALVE MECHANISM

SMCS-1107

i02920661

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	153-5939	1	GAUZE (CRANKCASE BREATHER)						
	2	2	153-5962	3	BOLT						
	3	2	153-7640	2	BOLT						
	4	2	154-1347	4	NUT						
	5	1	155-8009	2	BOLT						
	6	2	165-2140	2	BOLT						
	7	2	190-3762	4	WASHER						
	8	2	217-5859	1	VALVE-BREATHER (CRANKCASE)						
	9	2	217-5860	4	BOLT						
	10	2	320-8401	1	PLATE-RETAINING						
	11	2	217-5862	6	BOLT						
	12	2	217-5864	1	GASKET						
	13	1	225-8533	1	GASKET						
	14	2	233-0695	1	SEAL-VALVE COVER						
	15	2	233-7061	1	COVER-VALVE						
	16	2	309-6735	1	TUBE-AIR						
	17	1	309-6736	1	COVER						



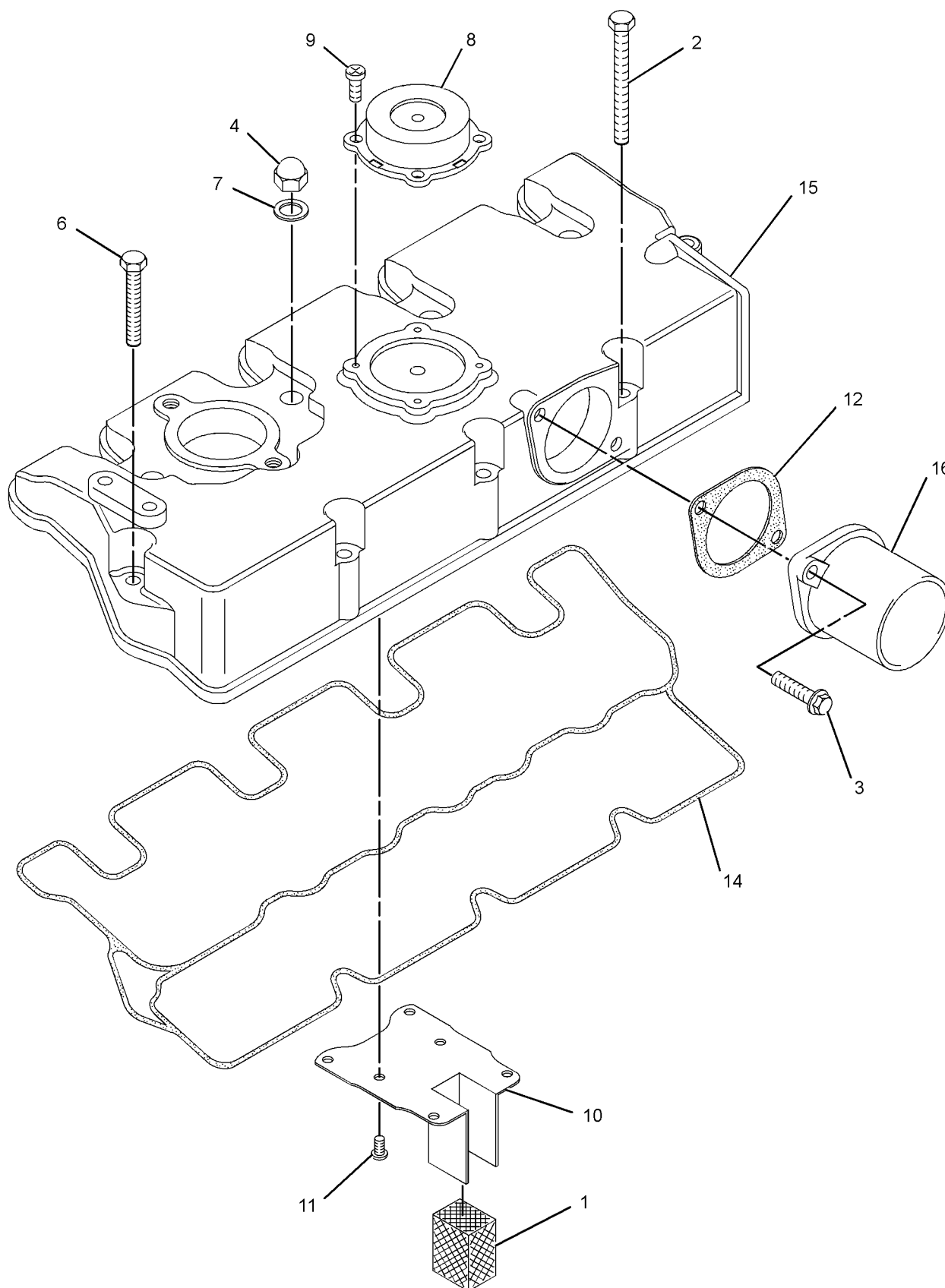
GRAPHIC #1

g01397234

BASIC ENGINE

309-6722 COVER GP-VALVE MECHANISM (contd.)

i02920661



GRAPHIC #2

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g01397236

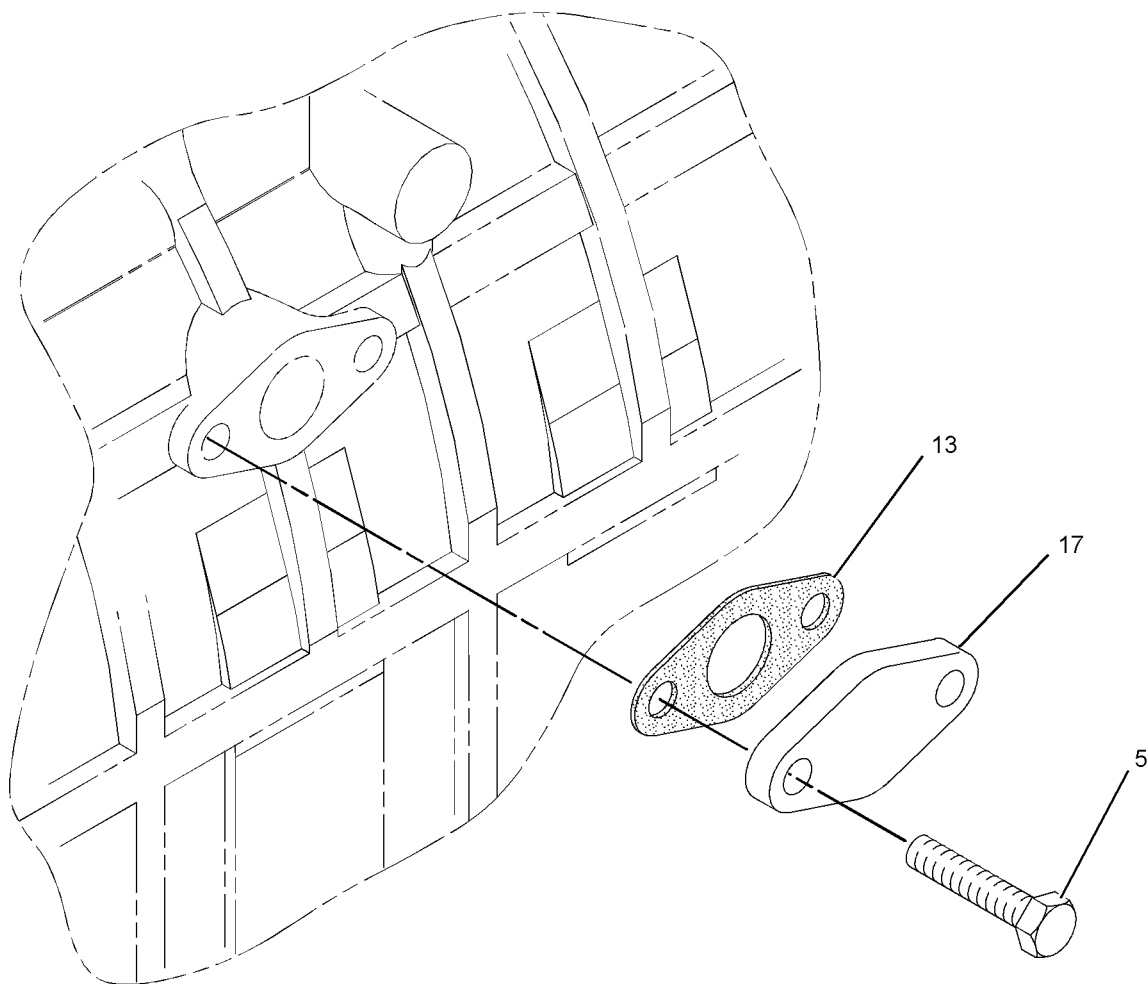
BASIC ENGINE

317-0590 COVER GP-VALVE MECHANISM

SMCS-1107

i02851877

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	153-5939	1	GAUZE (CRANKCASE BREATHER)						
	2	2	153-5962	3	BOLT						
	3	2	153-7640	2	BOLT						
	4	2	154-1347	4	NUT						
	5	1	155-8009	2	BOLT						
	6	2	165-2140	2	BOLT						
	7	2	190-3762	4	WASHER						
	8	2	217-5859	1	VALVE-BREATHER (CRANKCASE)						
	9	2	217-5860	4	BOLT						
	10	2	217-5861	1	PLATE-RETAINING						
	11	2	217-5862	6	BOLT						
	12	2	217-5864	1	GASKET						
	13	1	225-8533	1	GASKET						
	14	2	233-0695	1	SEAL-VALVE COVER						
	15	2	233-7060	1	COVER-VALVE						
	16	2	309-6735	1	TUBE-AIR						
	17	1	309-6736	1	COVER						



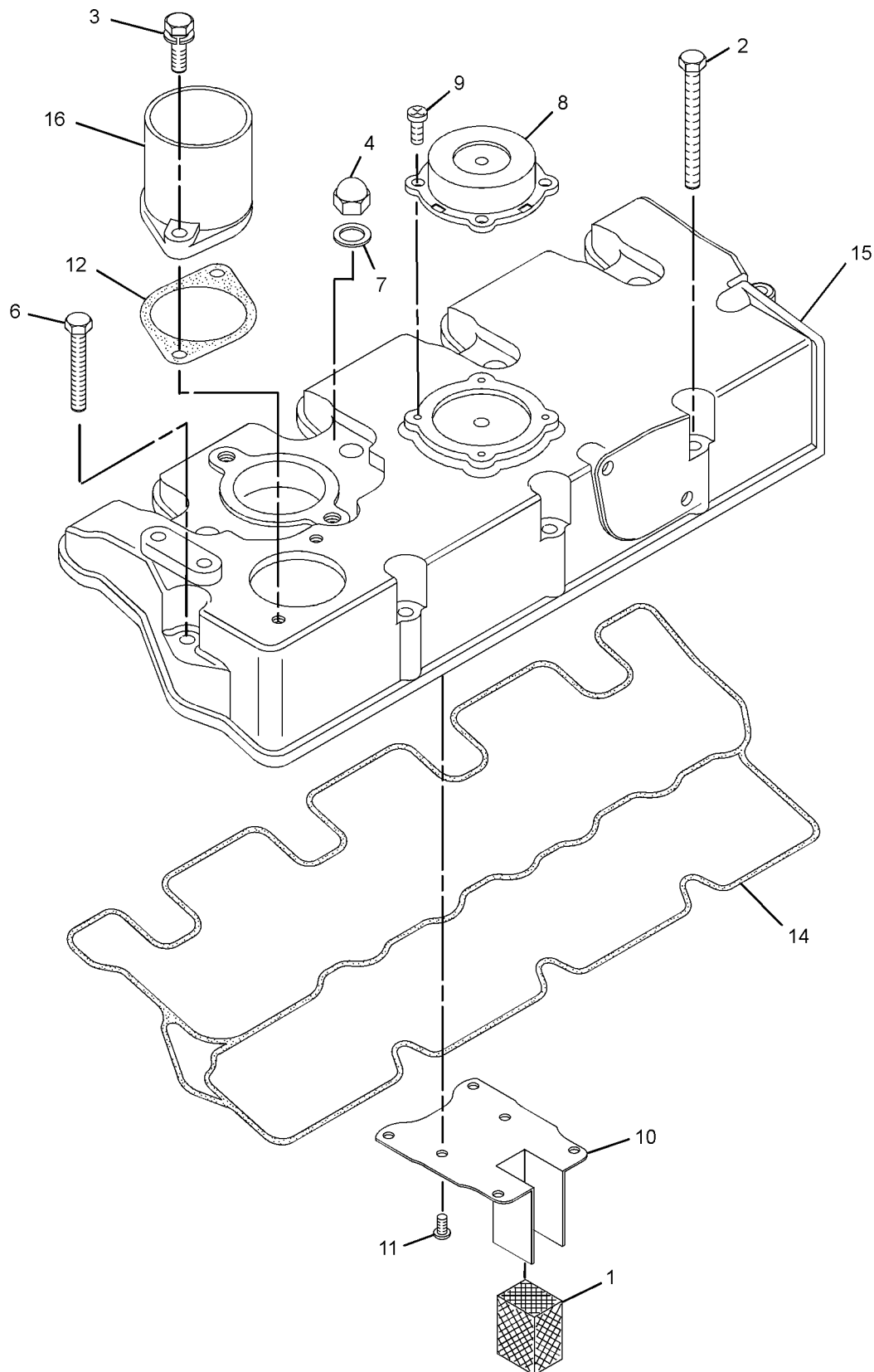
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g01421747

BASIC ENGINE

317-0590 COVER GP-VALVE MECHANISM (contd.)

i02851877



GRAPHIC #2

<END>

g01421749

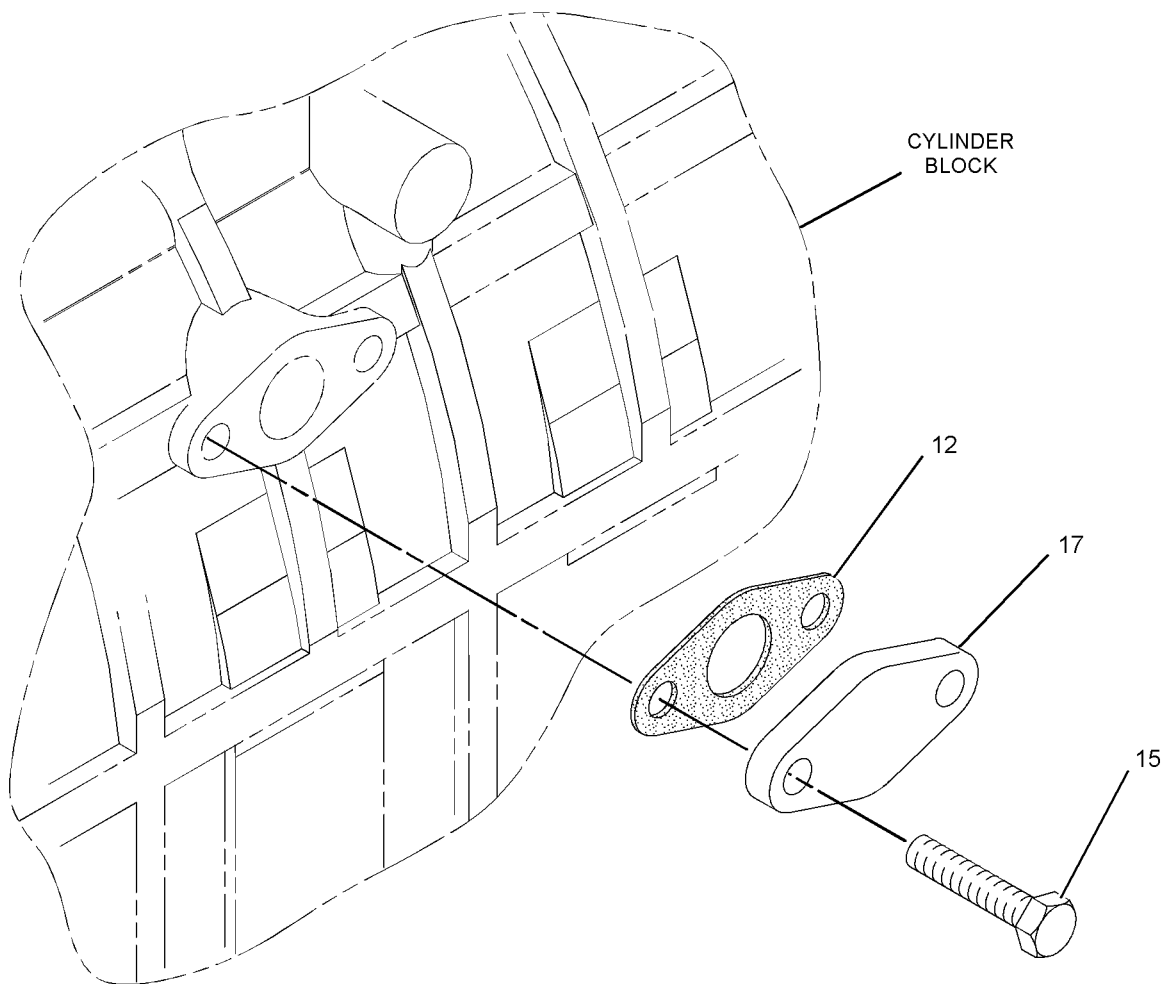
BASIC ENGINE

322-2424 COVER GP-VALVE MECHANISM

SMCS-1107

i02908406

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	153-5939	1	GAUZE (CRANKCASE BREATHER)						
	2	2	153-5962	3	BOLT						
	3	2	153-7640	2	BOLT						
	4	2	154-1347	4	NUT						
	5	2	165-2140	2	BOLT						
	6	2	190-3762	4	WASHER						
	7	2	217-5859	1	VALVE-BREATHER (CRANKCASE)						
	8	2	217-5860	4	BOLT						
	9	2	217-5861	1	PLATE-RETAINING						
	10	2	217-5862	6	BOLT						
	11	2	217-5864	1	GASKET						
	12	1	225-8533	1	GASKET						
	13	2	233-0693	1	COVER-VALVE						
	14	2	233-0695	1	SEAL-VALVE COVER						
	15	1	249-7263	2	BOLT						
	16	2	309-6735	1	TUBE-AIR						
	17	1	309-6736	1	COVER						



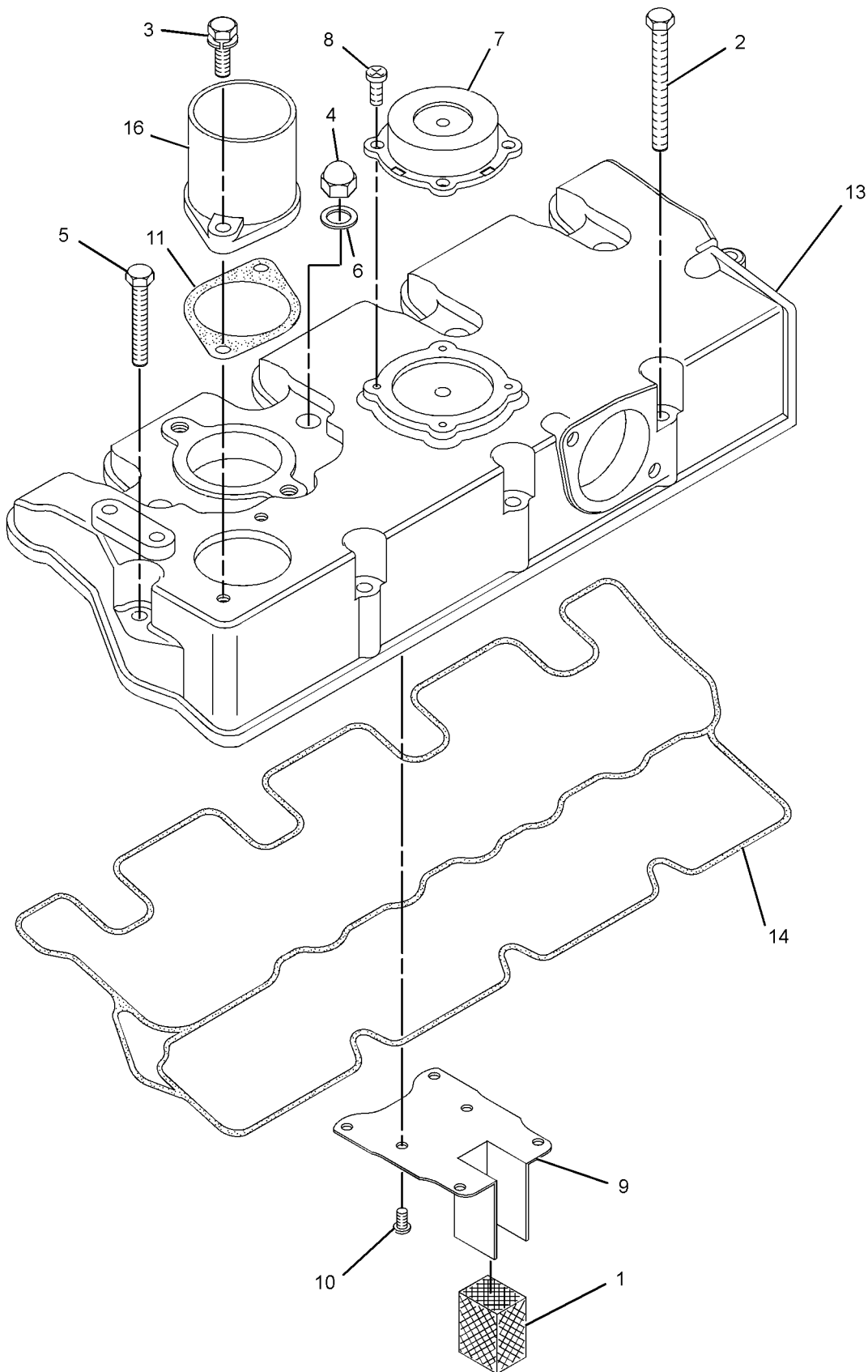
GRAPHIC #1

g01634256

BASIC ENGINE

322-2424 COVER GP-VALVE MECHANISM (contd.)

i02908406



GRAPHIC #2

<END>

g01634259

BASIC ENGINE

217-1447 CRANKSHAFT GP

SMCS-1202

i03082420

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-0181	1	CAP AS-BEARING						
	2	1	154-0386	1	CAP AS-BEARING						
	3	1	154-0388	1	CAP AS-BEARING						
	4	1	154-0389	1	CAP AS-BEARING						
					(EACH BEARING AS INCLUDES)						
	5	1	153-5402	2	DOWEL						
	6	1	154-0385	2	BOLT						
	7	1	154-1201	1	CRANKSHAFT GP						
	7A	1	154-1202	1	GEAR-CRANKSHAFT (33-TEETH)						
	7B	1	153-5518	1	KEY						
	8	1	154-1203	1	KIT-CRANKSHAFT BEARING (MAIN)						
AB		1	161-7163	1	KIT-CRANKSHAFT BEARING (0.25-MM US)						
AB		1	161-7164	1	KIT-CRANKSHAFT BEARING (0.5-MM US)						
	9	1	154-1230	1	WASHER-THRUST						
	10	1	154-1231	2	WASHER-THRUST						
	11	1	156-6971	3	BOLT						
	12	1	183-1336	1	BOLT						

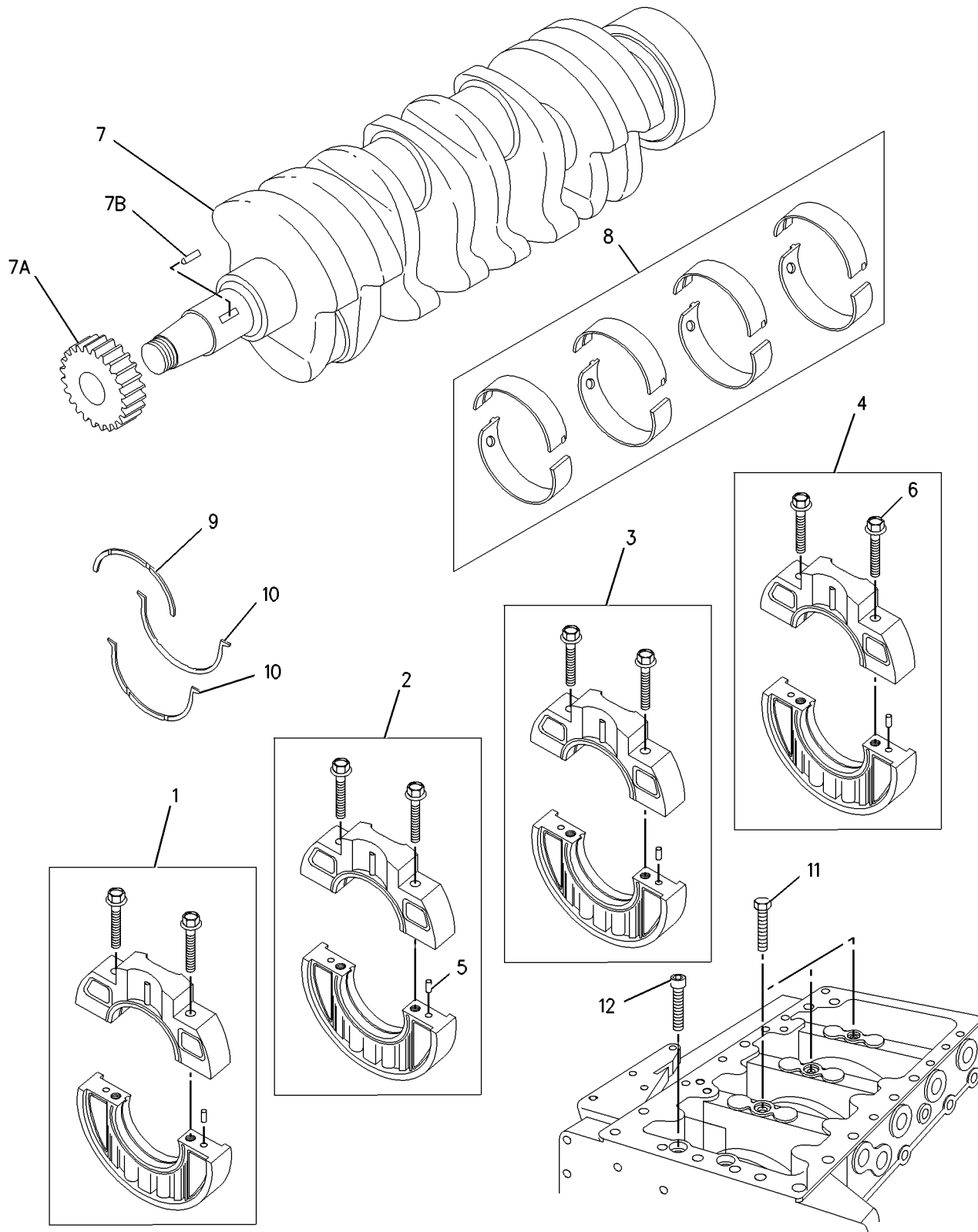
A-NOT PART OF THIS GROUP

B-USE AS REQUIRED

BASIC ENGINE

217-1447 CRANKSHAFT GP (contd.)

i03082420



GRAPHIC #1

<END>

g00852638

BASIC ENGINE

308 - 2283 CRANKSHAFT GP

SMCS - 1202

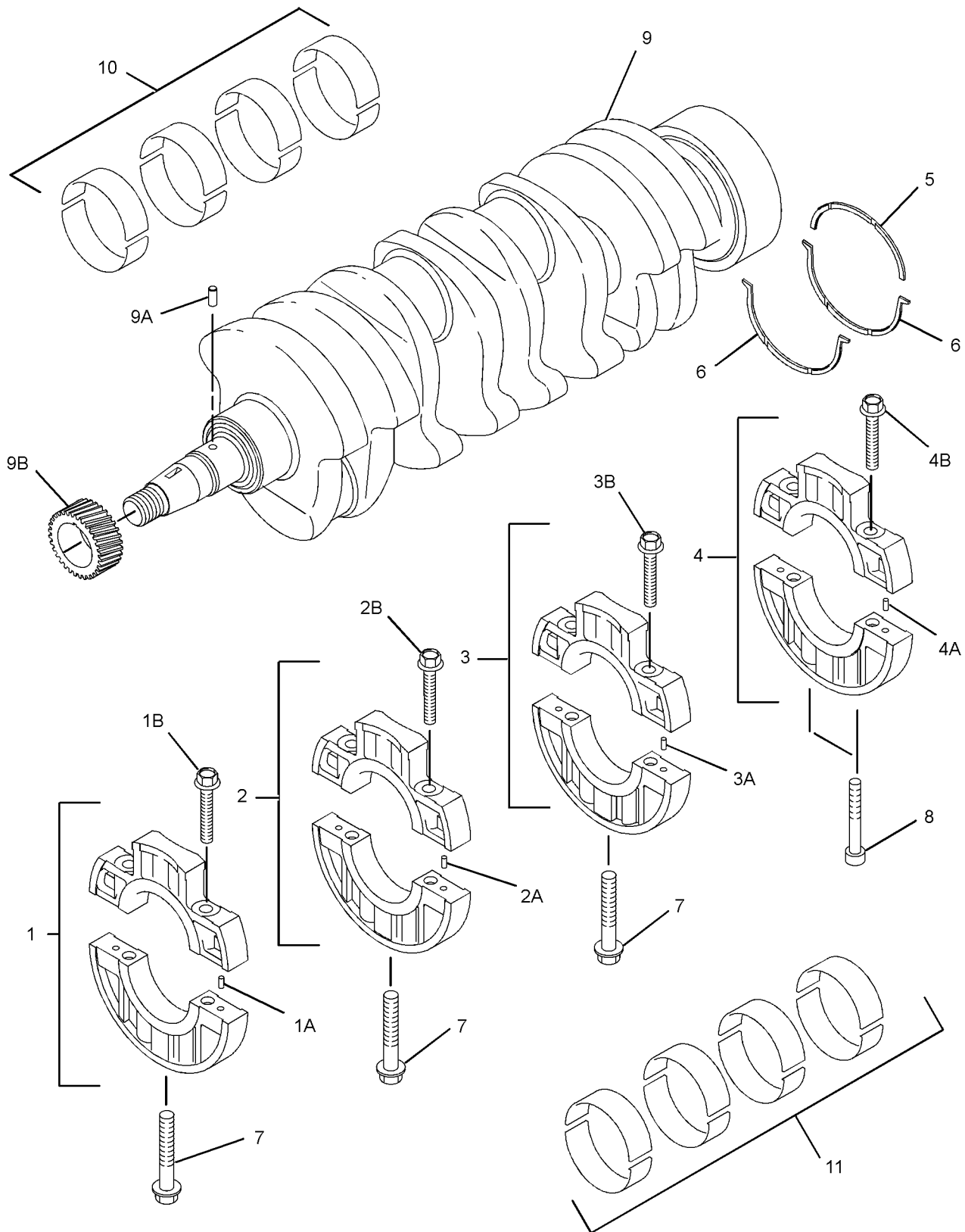
i02752405

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-0181	1	CAP AS-BEARING						
	1A	1	153-5402	2	DOWEL						
	1B	1	154-0385	2	BOLT						
	2	1	154-0386	1	CAP AS-BEARING						
	2A	1	153-5402	2	DOWEL						
	2B	1	154-0385	2	BOLT						
	3	1	154-0388	1	CAP AS-BEARING						
	3A	1	153-5402	2	DOWEL						
	3B	1	154-0385	2	BOLT						
	4	1	154-0389	1	CAP AS-BEARING						
	4A	1	153-5402	2	DOWEL						
	4B	1	154-0385	2	BOLT						
	5	1	154-1230	1	WASHER - THRUST						
	6	1	154-1231	2	WASHER - THRUST						
	7	1	156-6971	3	BOLT						
	8	1	183-1336	2	BOLT						
	9	1	308-1852	1	CRANKSHAFT AS						
	9A	1	153-5518	1	KEY						
	9B	1	308-1853	1	GEAR - CRANKSHAFT						
	10	1	308-1855	1	KIT - BEARING						
	11	1	308-2362	1	KIT - BEARING						

BASIC ENGINE

308-2283 CRANKSHAFT GP (contd.)

i02752405



GRAPHIC #1

<END>

g01406829

BASIC ENGINE

309 - 6713 CRANKSHAFT GP

SMCS - 1202

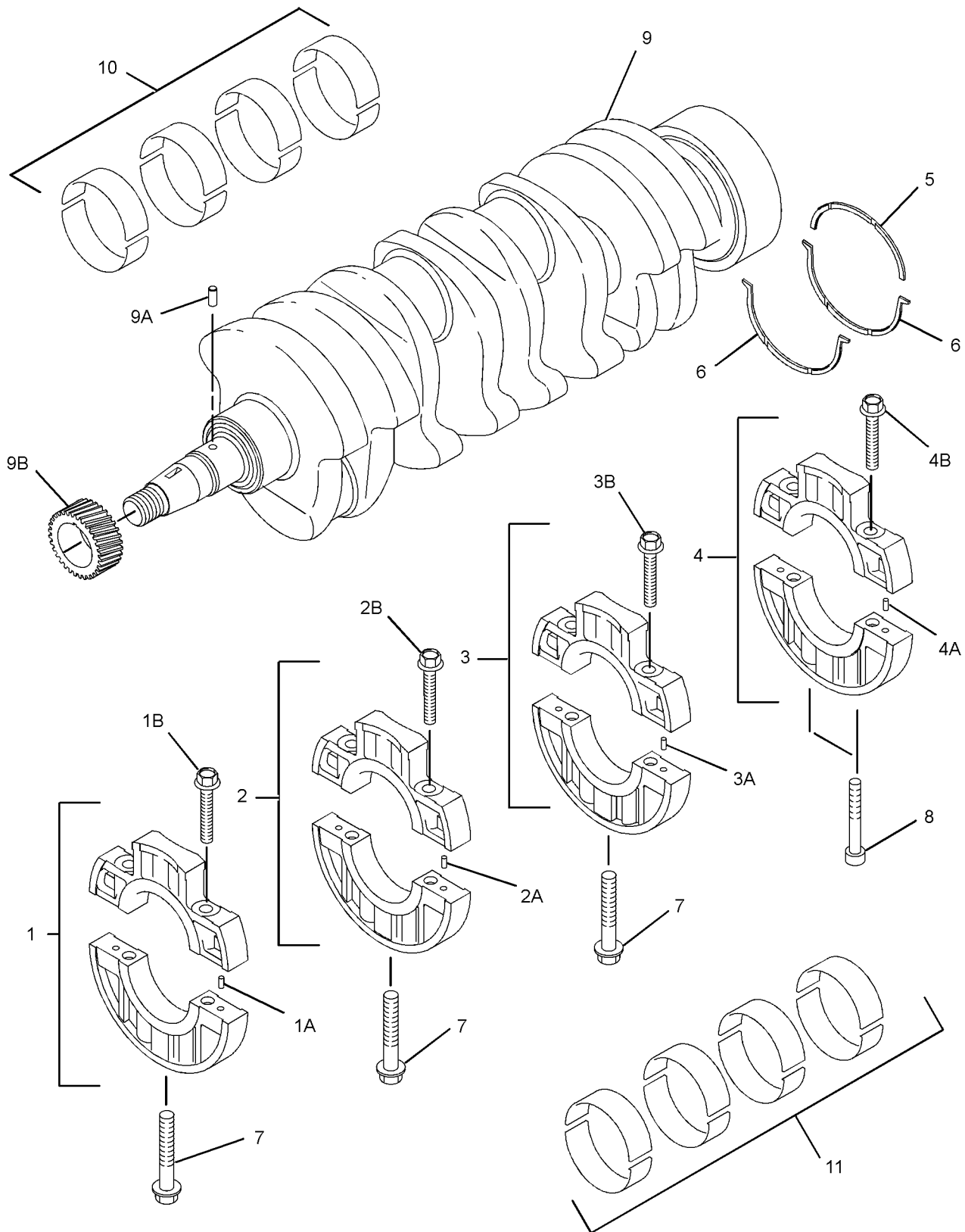
i02769824

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-0181	1	CAP AS-BEARING						
	1A	1	153-5402	2	DOWEL						
	1B	1	154-0385	2	BOLT						
	2	1	154-0386	1	CAP AS-BEARING						
	2A	1	153-5402	2	DOWEL						
	2B	1	154-0385	2	BOLT						
	3	1	154-0388	1	CAP AS-BEARING						
	3A	1	153-5402	2	DOWEL						
	3B	1	154-0385	2	BOLT						
	4	1	154-0389	1	CAP AS-BEARING						
	4A	1	153-5402	2	DOWEL						
	4B	1	154-0385	2	BOLT						
	5	1	154-1230	1	WASHER - THRUST						
	6	1	154-1231	2	WASHER - THRUST						
	7	1	156-6971	3	BOLT						
	8	1	183-1336	2	BOLT						
	9	1	308-1852	1	CRANKSHAFT AS						
	9A	1	153-5518	1	KEY						
	9B	1	308-1853	1	GEAR - CRANKSHAFT (62-TEETH)						
	10	1	308-1855	1	KIT-BEARING (ROD) (0.52-MM THK)						
	11	1	308-1854	1	KIT-BEARING (MAIN) (0.68-MM THK)						

BASIC ENGINE

309-6713 CRANKSHAFT GP (contd.)

i02769824



GRAPHIC #1

<END>

g01406829

BASIC ENGINE

217-7395 CYLINDER BLOCK GP

SMCS-1201

i03082426

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	6B-0924	1	BALL BEARING	
	2	1	153-5391	1	PLUG	
	3	1	153-6838	2	BOLT	
	4	1	154-0178	1	SEAL	
	5	1	215-2620	1	GASKET (PLATE)	
	6	1	154-0391	1	PLATE	
	7	1	183-1165	1	PLUG	
	8	1	153-5394	2	DOWEL	
	9	1	153-5395	2	DOWEL	
	10	1	153-5396	2	PIN	
	11	1	183-1163	1	STUD	
	12	1	183-1164	1	STUD	
	13	1	154-0176	1	BUSHING	
	14	1	154-0177	1	BUSHING	
	15	1	217-5771	1	SHAFT	
	16	1	294-4916	1	BUSHING	
	17	1	217-5770	2	PLUG (BLANKING)	
	18	1	153-5402	2	DOWEL	
	19	1	154-0175	2	PLUG	
	20	1	221-1136	3	PLUG	
	21	1	154-0393	3	STUD	
	22	1	153-5387	3	PLUG	
BY	23	1	217-7397	1	CYLINDER BLOCK GP	51

B- USE AS REQUIRED

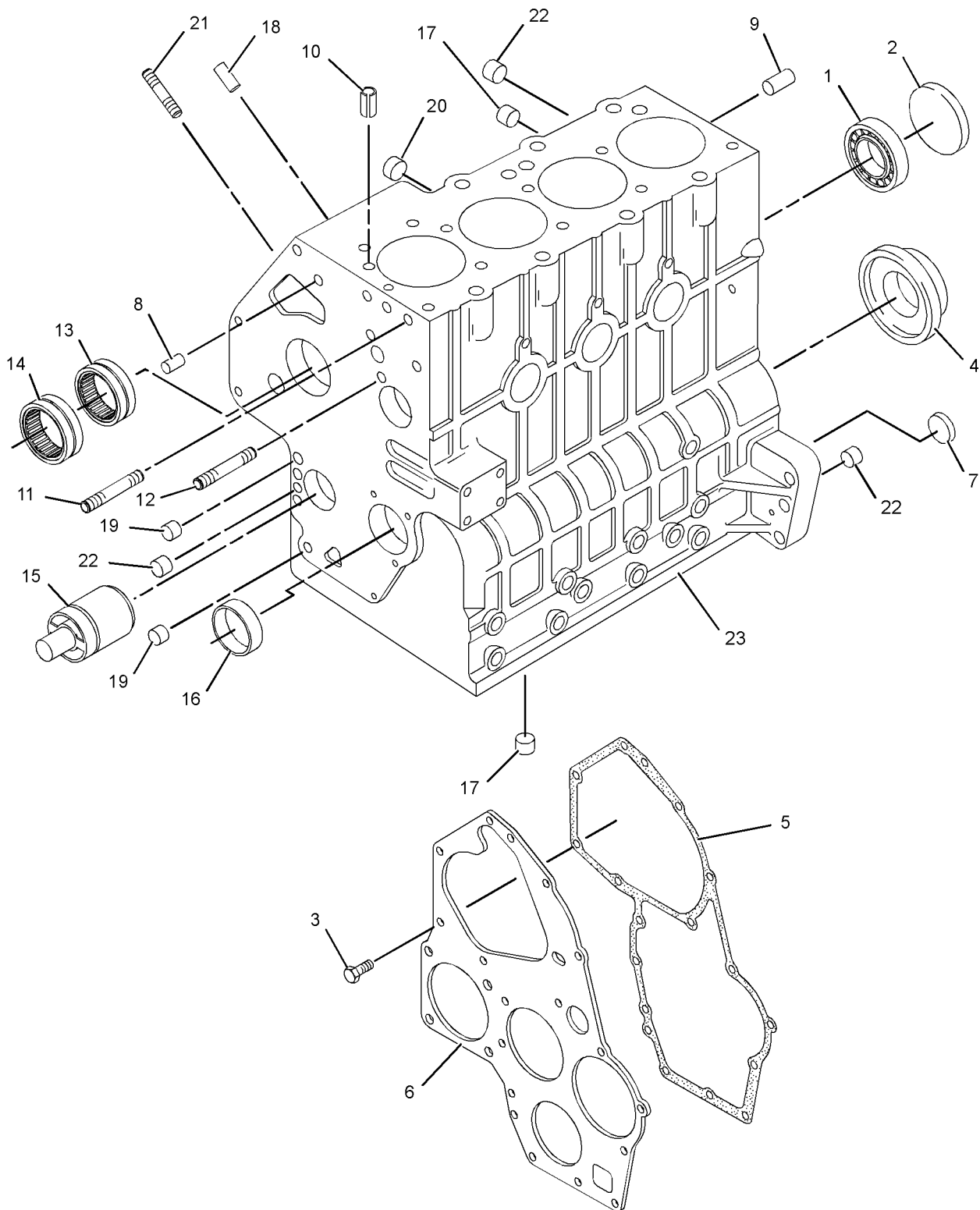
C- CHANGE FROM PREVIOUS TYPE

Y- SEPARATE ILLUSTRATION

BASIC ENGINE

217-7395 CYLINDER BLOCK GP (contd.)

i03082426



GRAPHIC #1

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g01294102

BASIC ENGINE

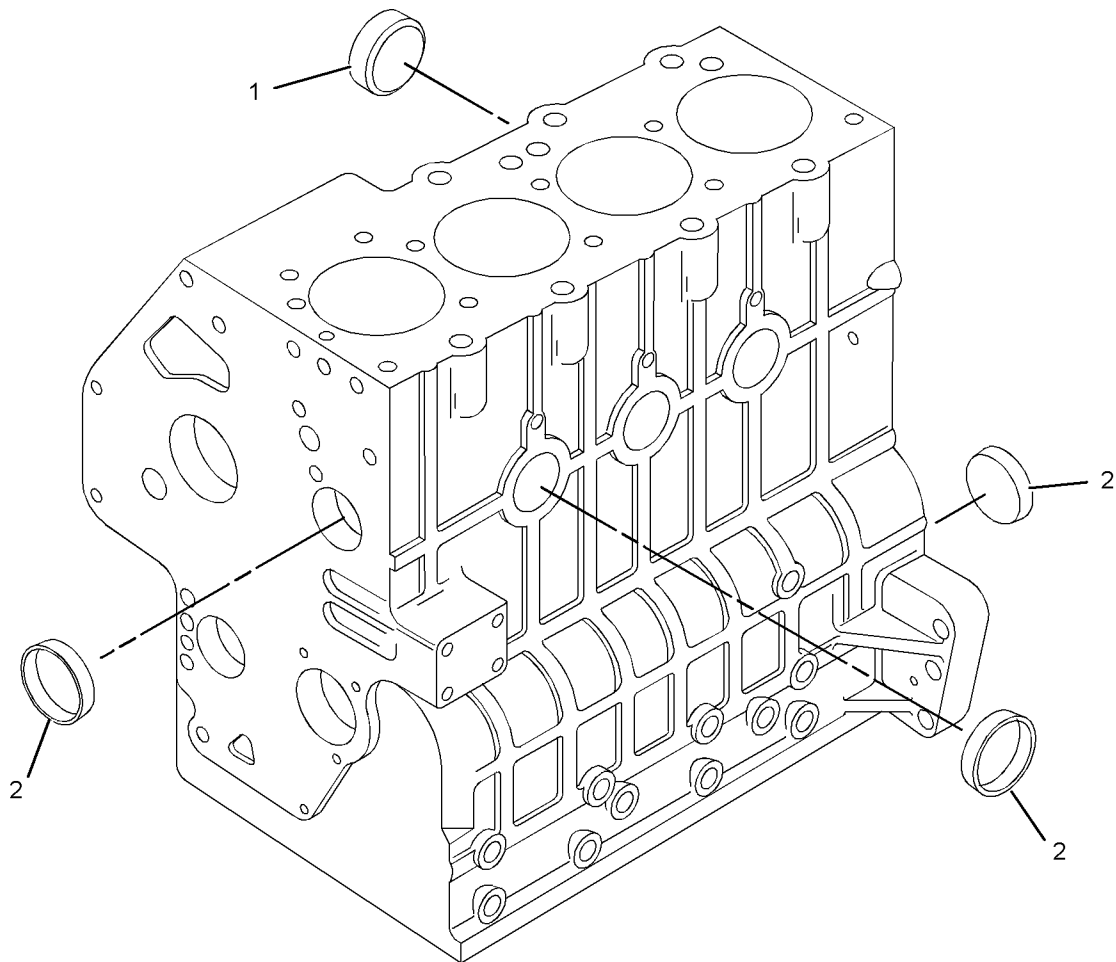
217-7397 CYLINDER BLOCK GP

PART OF 217-7395 CYLINDER BLOCK GP

SMCS-1201

i03084941

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	237-9315	2	PLUG (SEALING)						
	2	1	237-9316	5	PLUG (SEALING)						



GRAPHIC #1

<END>

g01058640

BASIC ENGINE

308-2281 CYLINDER BLOCK GP

SMCS-1201

i03136389

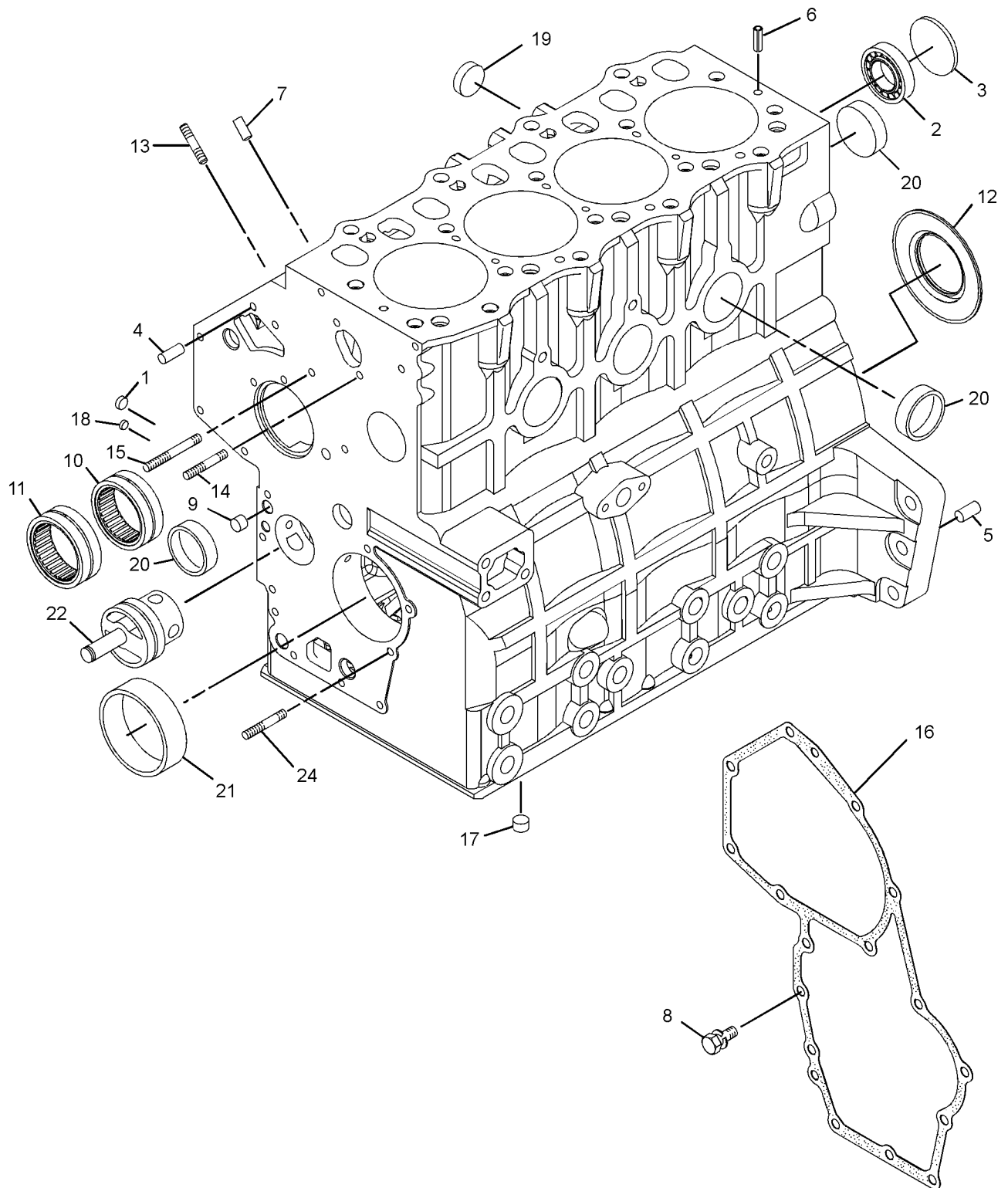
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5387	3	PLUG						
	2	1	6B-0924	1	BALL BEARING						
	3	1	153-5391	1	PLUG						
	4	1	153-5394	2	DOWEL						
	5	1	153-5395	2	DOWEL						
	6	1	153-5396	2	PIN						
	7	1	153-5402	2	DOWEL						
	8	1	153-6838	2	BOLT						
	9	1	154-0175	2	PLUG						
	10	1	154-0176	1	BUSHING						
	11	1	154-0177	1	BUSHING						
	12	1	154-0178	1	SEAL						
	13	1	154-0393	1	STUD						
	14	1	183-1163	1	STUD						
	15	1	183-1164	1	STUD						
	16	1	215-2620	1	GASKET						
	17	1	217-5770	3	PLUG						
	18	1	221-1136	4	PLUG						
	19	1	237-9315	2	PLUG (SEALING)						
	20	1	237-9316	5	PLUG (SEALING)						
	21	1	294-4916	1	BUSHING (STANDARD)						
B		1	302-4181	1	BUSHING (0.25-MM US)						
B		1	302-4182	1	BUSHING (0.50-MM US)						
	22	1	308-1850	1	SHAFT						
	24	1	322-6874	1	STUD						

B-USE AS REQUIRED

BASIC ENGINE

308-2281 CYLINDER BLOCK GP (contd.)

i03136389



GRAPHIC #1

<END>

g01618351

BASIC ENGINE

309-6712 CYLINDER BLOCK GP

SMCS-1201

i03133550

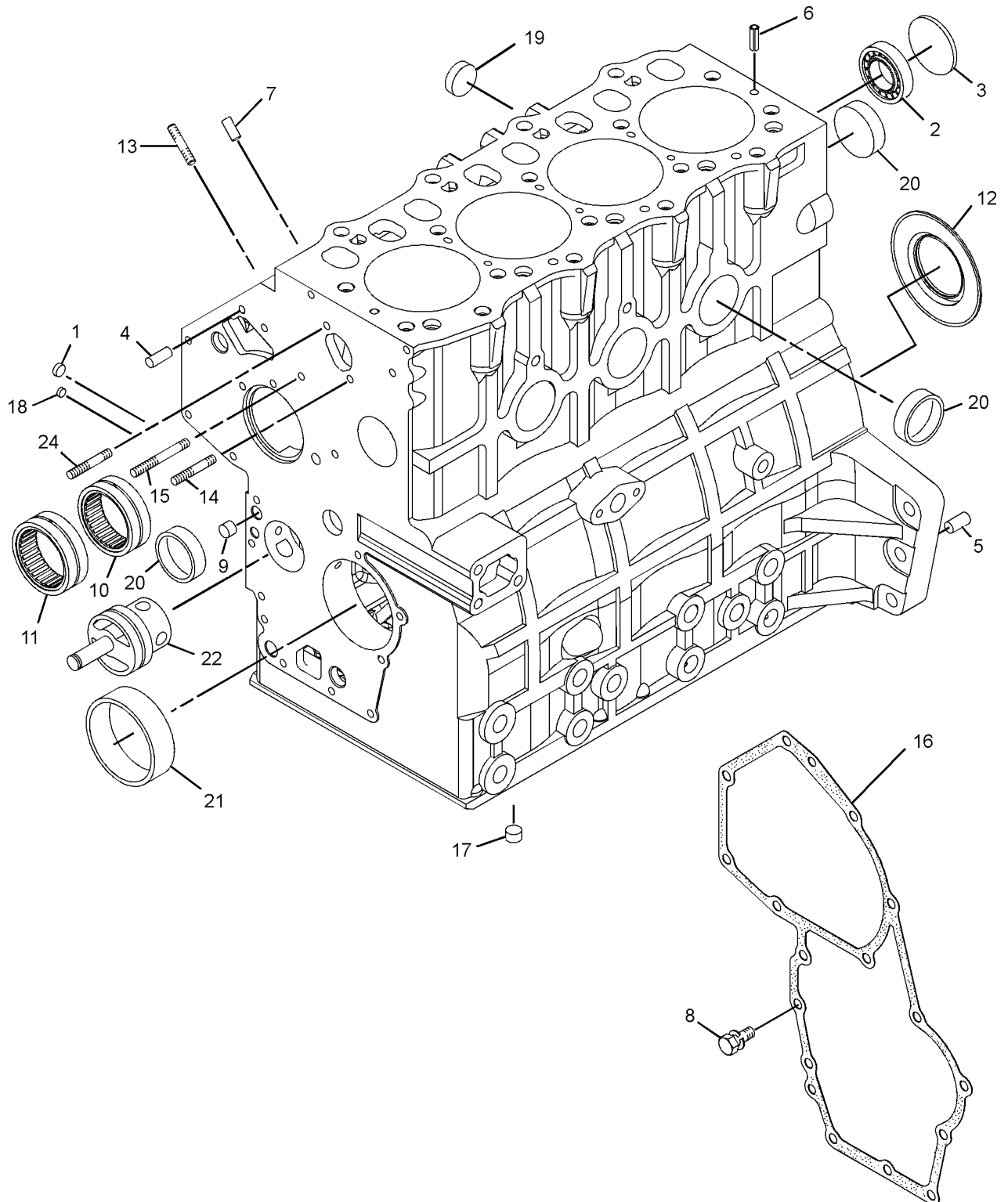
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5387	3	PLUG						
	2	1	6B-0924	1	BALL BEARING						
	3	1	153-5391	1	PLUG						
	4	1	153-5394	2	DOWEL						
	5	1	153-5395	2	DOWEL						
	6	1	153-5396	2	PIN						
	7	1	153-5402	2	DOWEL						
	8	1	153-6838	2	BOLT						
	9	1	154-0175	2	PLUG						
	10	1	154-0176	1	BUSHING						
	11	1	154-0177	1	BUSHING						
	12	1	154-0178	1	SEAL						
	13	1	154-0393	3	STUD						
	14	1	183-1163	1	STUD						
	15	1	183-1164	1	STUD						
	16	1	215-2620	1	GASKET						
	17	1	217-5770	3	PLUG						
	18	1	221-1136	4	PLUG						
	19	1	237-9315	2	PLUG (SEALING)						
	20	1	237-9316	5	PLUG (SEALING)						
	21	1	294-4916	1	BUSHING (STANDARD)						
AB		1	302-4181	1	BUSHING (0.25-MM US)						
AB		1	302-4182	1	BUSHING (0.50-MM US)						
	22	1	308-1850	1	SHAFT						
	24	1	322-6874	1	STUD						

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

BASIC ENGINE

309-6712 CYLINDER BLOCK GP (contd.)

i03133550



GRAPHIC #1

<END>

g01635633

BASIC ENGINE

308 - 1859 CYLINDER HEAD AS

PART OF 308-2284 CYLINDER HEAD GP

SMCS-1100, 1101

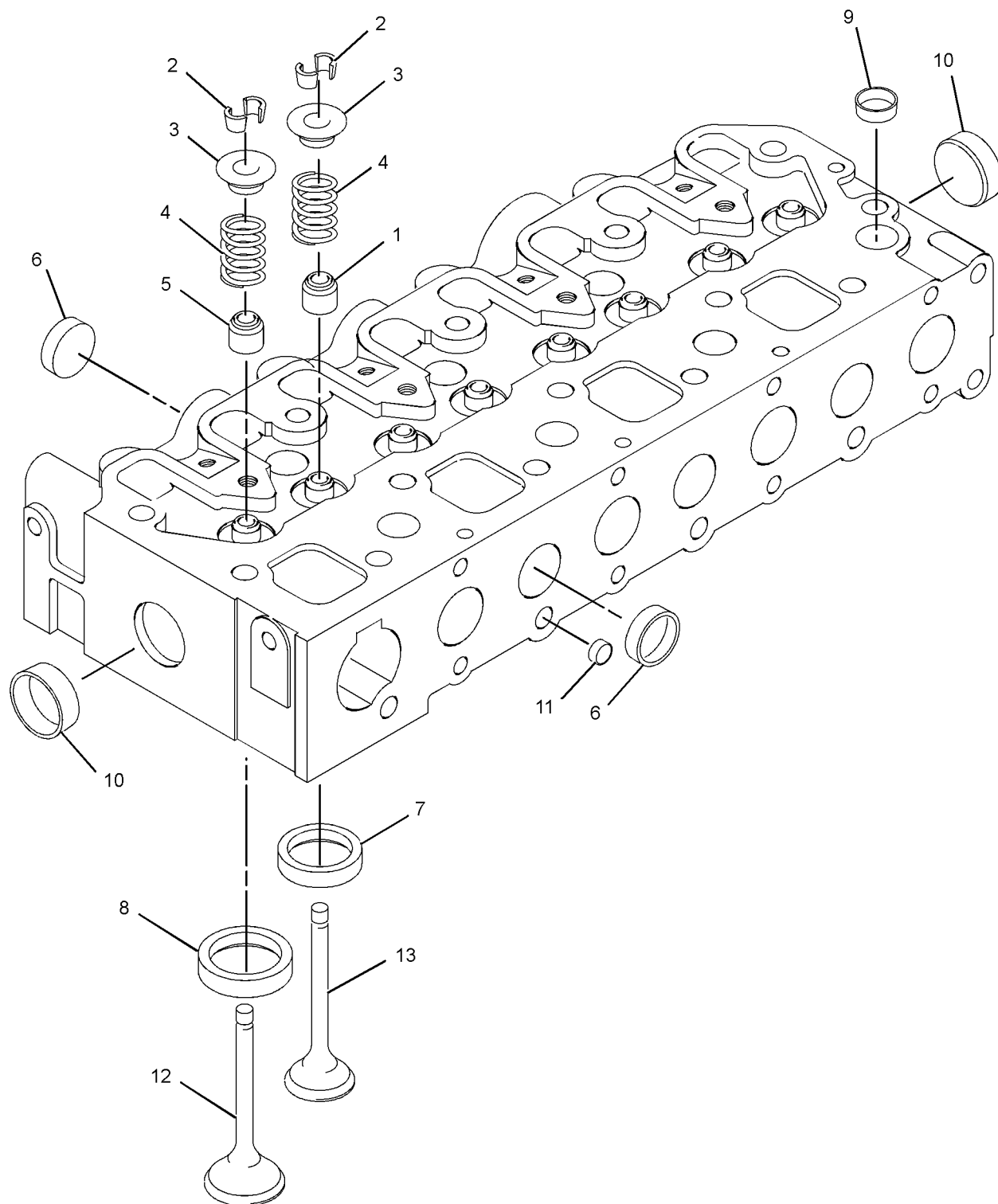
i02752396

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5554	4	SEAL						
	2	1	153-5556	8	RETAINER						
	3	1	153-5557	8	CAP						
	4	1	153-5558	8	SPRING						
	5	1	153-5559	4	SEAL						
	6	1	237-9315	6	PLUG (SEALING)						
	7	1	256-2084	4	INSERT - INLET VALVE						
	8	1	256-2085	4	INSERT - EXHAUST VALVE						
	9	1	288-6537	7	CAP						
	10	1	291-1808	2	CAP						
	11	1	303-0338	3	PLUG						
	12	1	308-1860	4	VALVE - INLET						
	13	1	308-1861	4	VALVE - EXHAUST						

BASIC ENGINE

308 - 1859 CYLINDER HEAD AS (contd.)

i02752396



GRAPHIC #1

<END>

g01418931

BASIC ENGINE

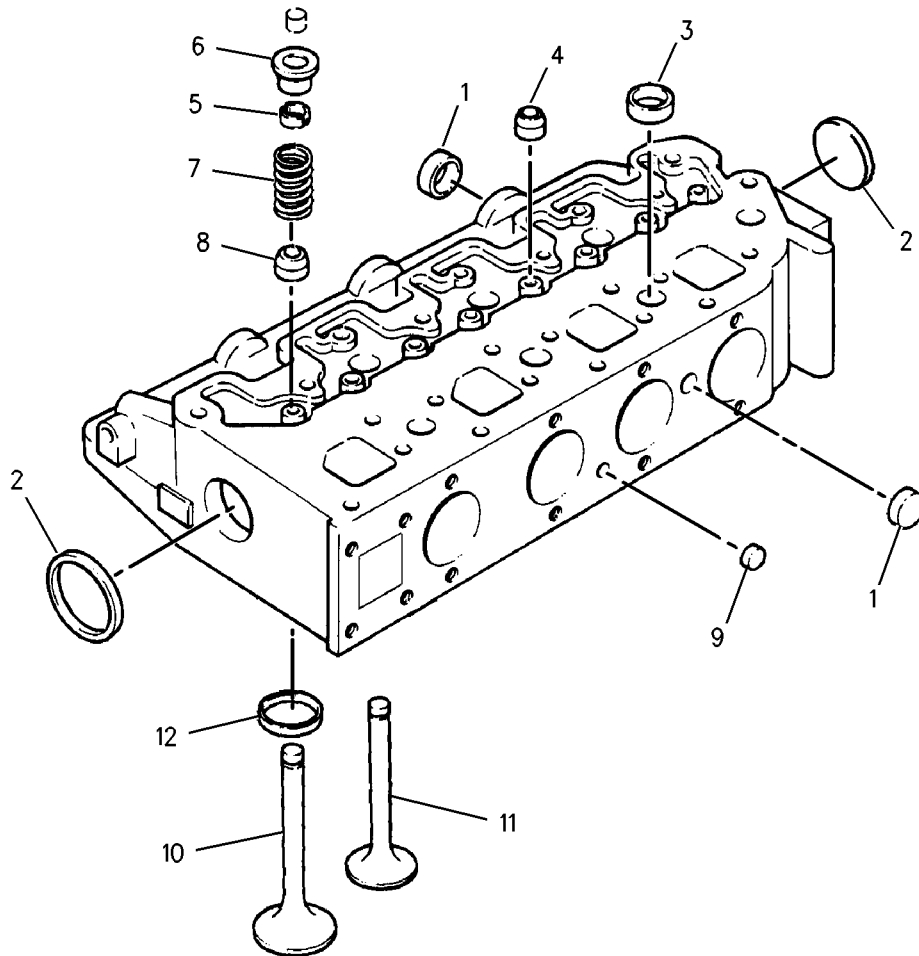
217-1481 CYLINDER HEAD GP

PART OF 217-2746 CYLINDER HEAD GP

SMCS-1100

i03082549

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	237-9315	6	PLUG (SEALING)						
	2	1	291-1808	6	CAP						
	3	1	288-6537	7	CAP						
	4	1	153-5554	4	SEAL (EXHAUST)						
	5	1	153-5556	16	RETAINER						
	6	1	153-5557	8	CAP						
	7	1	153-5558	8	SPRING						
	8	1	153-5559	4	SEAL (INLET)						
	9	1	303-0338	3	PLUG						
	10	1	154-0888	4	VALVE - INLET						
	11	1	154-0889	4	VALVE - EXHAUST						
	12	1	247-6398	4	INSERT						



GRAPHIC #1

<END>

g00702747

BASIC ENGINE

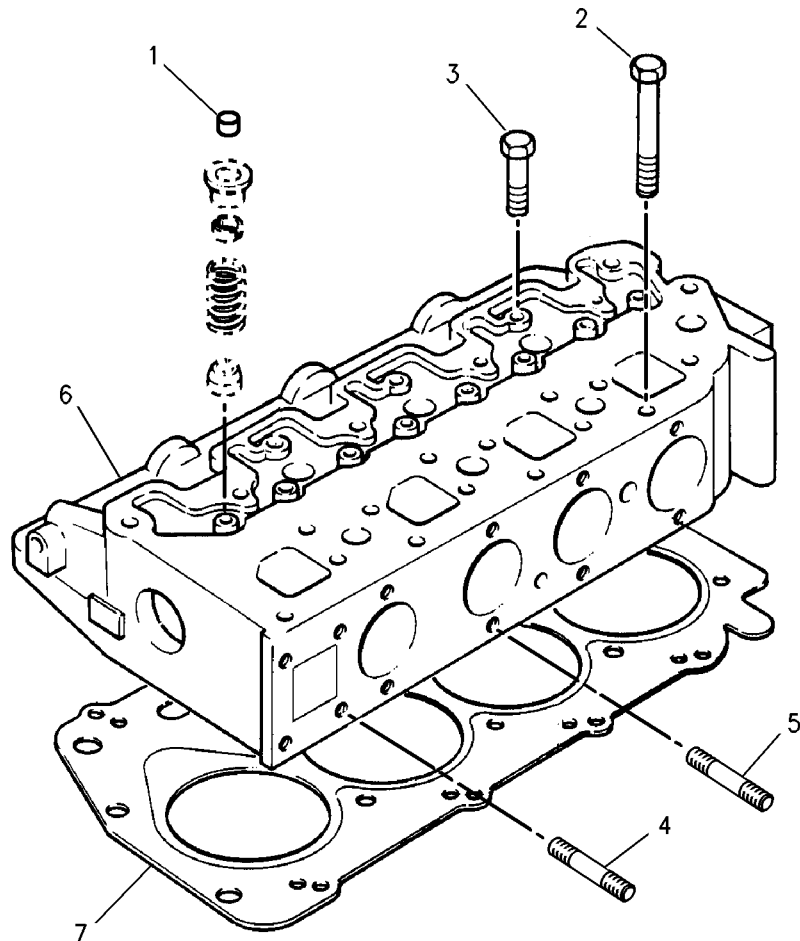
217-2746 CYLINDER HEAD GP

SMCS-1100

i03082422

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	322-7485	8	CAP-VALVE SPRING	
	2	1	156-6988	14	BOLT	
	3	1	156-6989	4	BOLT	
	4	1	160-7626	2	STUD	
	5	1	183-3213	2	STUD	
Y	6	1	217-1481	1	CYLINDER HEAD GP	58
B	7	1	217-2743	1	GASKET (0.4-MM THK)	
B		1	311-1685	1	GASKET (CYLINDER HEAD)	

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g00852319

BASIC ENGINE

308 - 2284 CYLINDER HEAD GP

SMCS-1100

i03137704

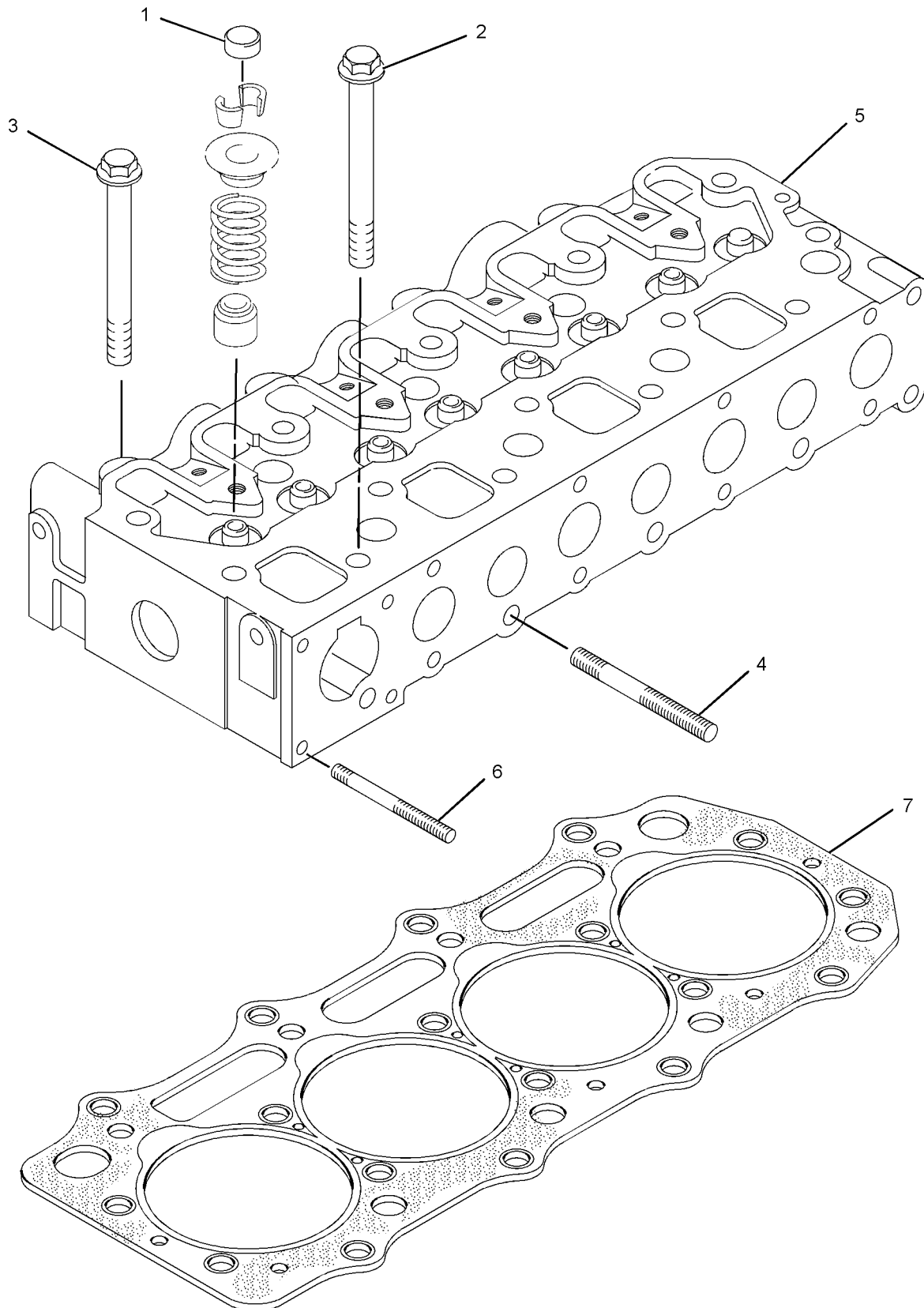
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	322-7485	8	CAP-VALVE SPRING	
	2	1	156-6988	14	BOLT	
	3	1	156-6989	4	BOLT	
	4	1	183-3213	4	STUD	
Y	5	1	308-1859	1	CYLINDER HEAD AS	56
	6	1	308-1862	2	STUD	
B	7	1	322-7488	1	GASKET (1.1-MM THK)	
B		1	322-7487	1	GASKET (1.2-MM THK)	
B		1	322-7486	1	GASKET (1.3-MM THK)	

B- USE AS REQUIRED
Y- SEPARATE ILLUSTRATION

BASIC ENGINE

308-2284 CYLINDER HEAD GP (contd.)

i03137704



GRAPHIC #1

<END>

g01409220

BASIC ENGINE

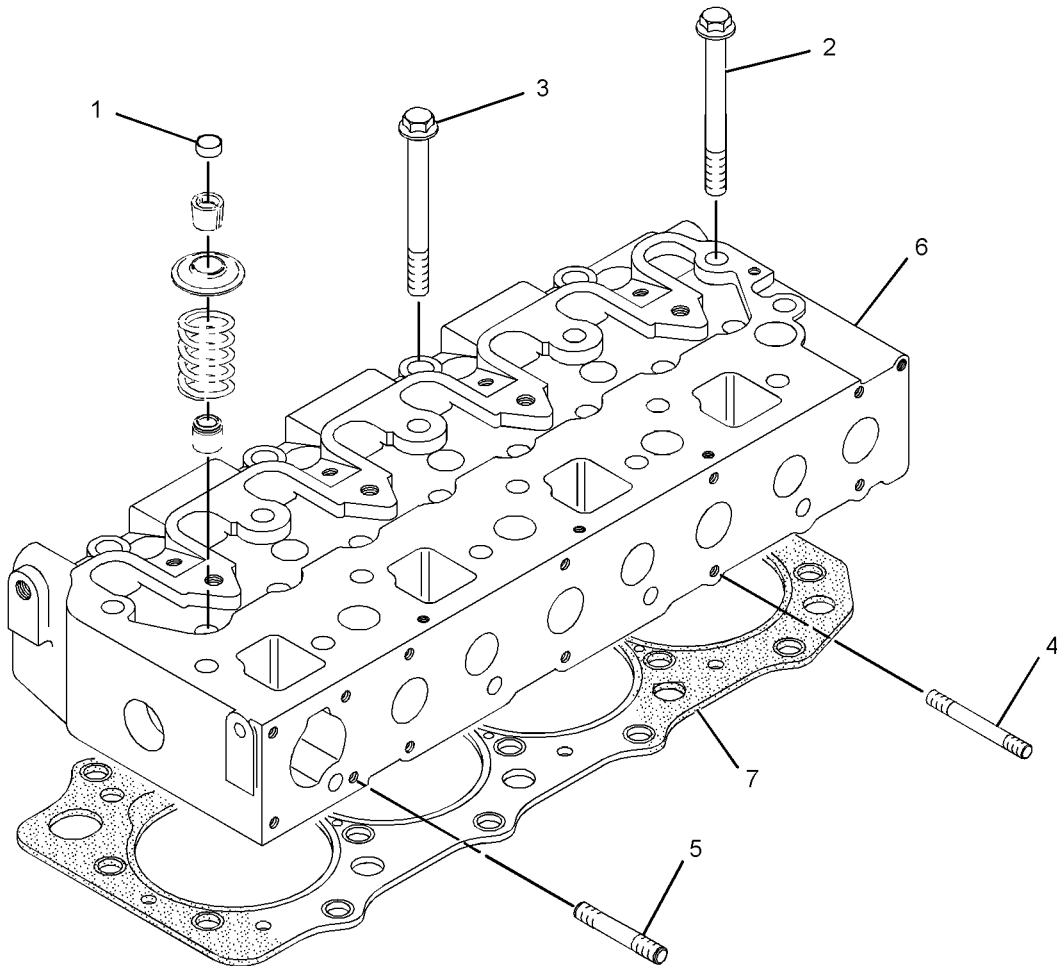
309-6715 CYLINDER HEAD GP

SMCS-1100

i03133554

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
	1	1	322-7485	8	CAP-VALVE SPRING	
	2	1	156-6988	14	BOLT	
	3	1	156-6989	4	BOLT	
	4	1	183-3213	2	STUD	
	5	1	308-1862	2	STUD	
Y	6	1	321-4061	1	CYLINDER HEAD GP	63
B	7	1	308-1910	1	GASKET (1.2-MM)	
B		1	308-1911	1	GASKET (1.3-MM)	

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01394446

BASIC ENGINE

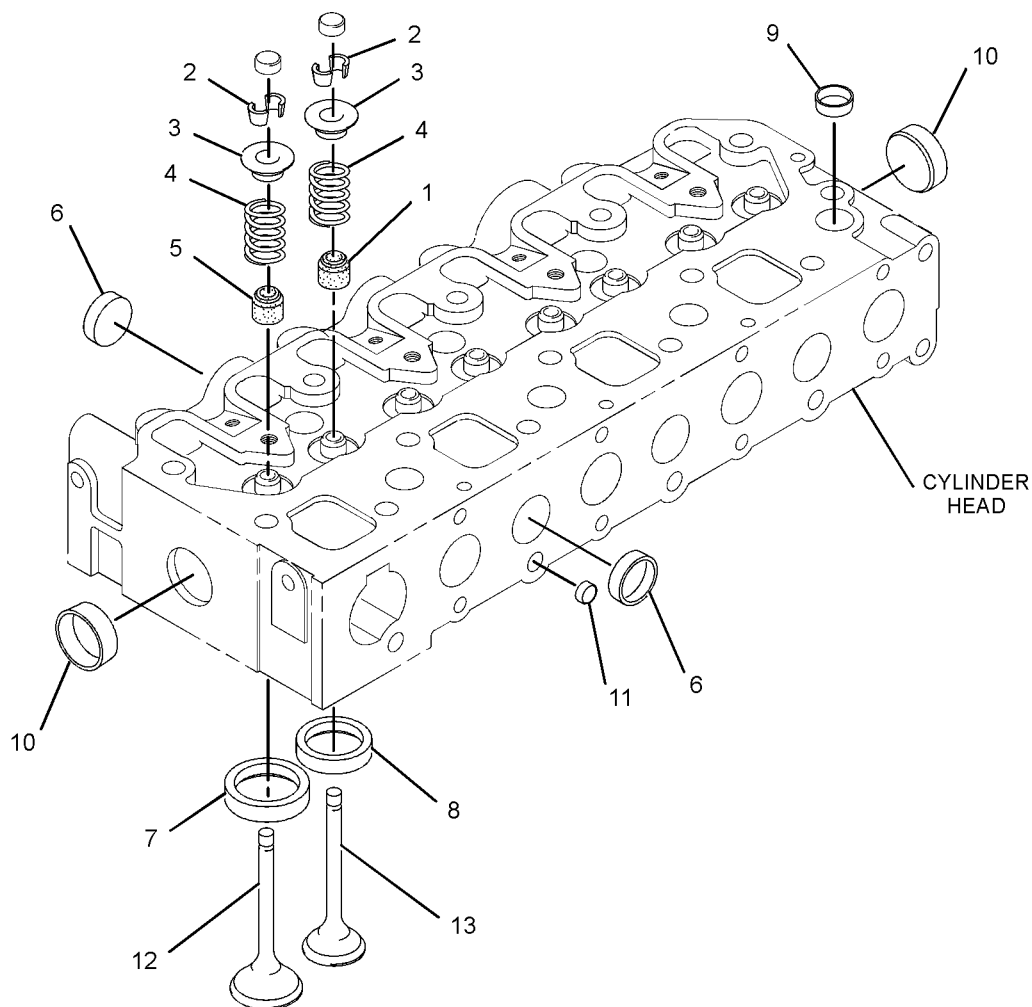
321-4061 CYLINDER HEAD GP

PART OF 309-6715 CYLINDER HEAD GP

SMCS-1100

i02877621

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5554	4	SEAL						
	2	1	153-5556	8	RETAINER						
	3	1	153-5557	8	CAP						
	4	1	153-5558	8	SPRING						
	5	1	153-5559	4	SEAL						
	6	1	237-9315	6	PLUG (SEALING)						
	7	1	256-2084	4	INSERT - INLET VALVE						
	8	1	256-2085	4	INSERT - EXHAUST VALVE						
	9	1	288-6537	7	CAP						
	10	1	291-1808	2	CAP						
	11	1	303-0338	3	PLUG						
	12	1	308-1860	4	VALVE - INLET						
	13	1	308-1861	4	VALVE - EXHAUST						



GRAPHIC #1

<END>

g01395917

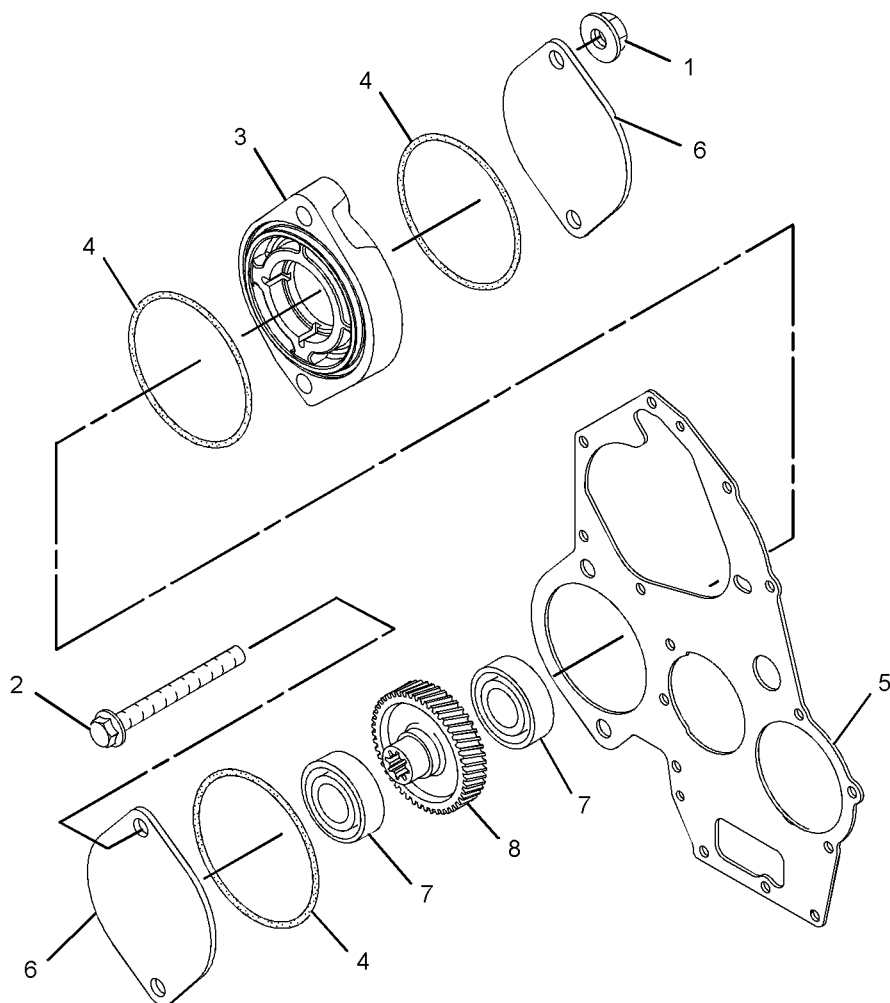
BASIC ENGINE

328 - 3296 DRIVE GP - FRONT

SMCS-1207, 3108

i03125382

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0594	2	NUT (M10X1.15-THD)						
	2	1	164-7468	2	BOLT						
	3	1	308-1874	1	HOLDER						
	4	1	308-1875	3	SEAL-O-RING						
	5	1	321-5907	1	PLATE						
	6	1	328-3229	2	COVER						
	7	1	328-3230	2	BALL BEARING						
	8	1	328-3299	1	GEAR						



GRAPHIC #1

<END>

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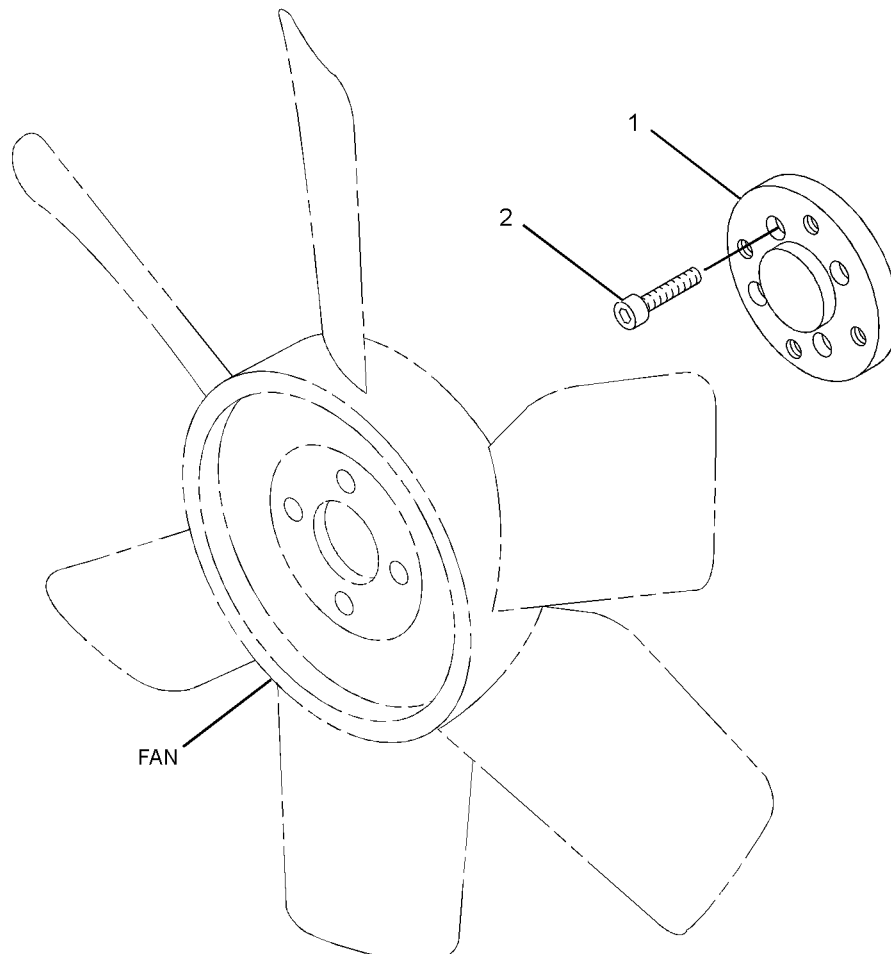
BASIC ENGINE

308-2304 DRIVE GP-FAN

SMCS-1359

i02752272

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	183-3546	1	EXTENSION-FAN						
	2	1	183-3547	4	BOLT						



GRAPHIC #1

<END>

g01419523

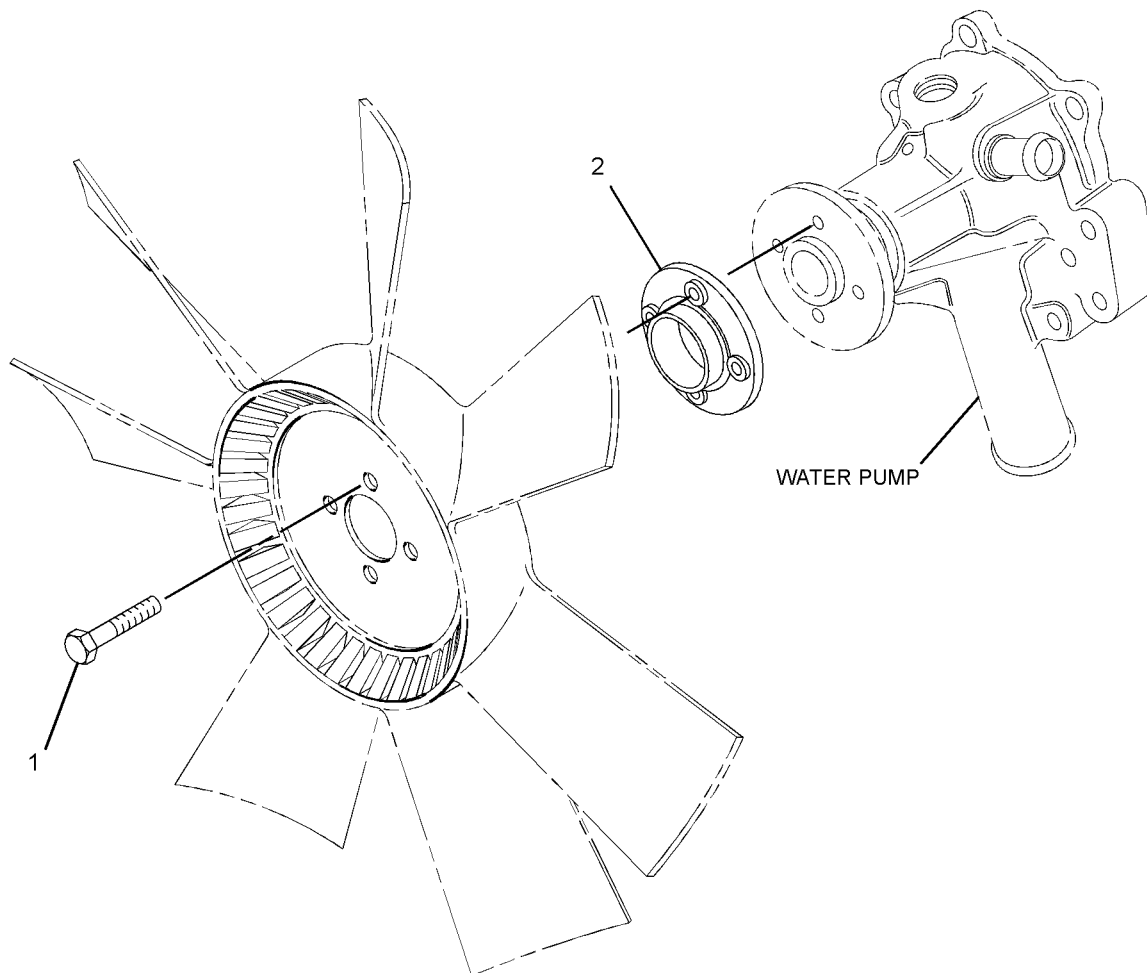
BASIC ENGINE

311-1119 DRIVE GP-FAN

SMCS-1359

i02844815

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6861	4	BOLT						
	2	1	161-8260	1	PLATE						



GRAPHIC #1

<END>

g01419563

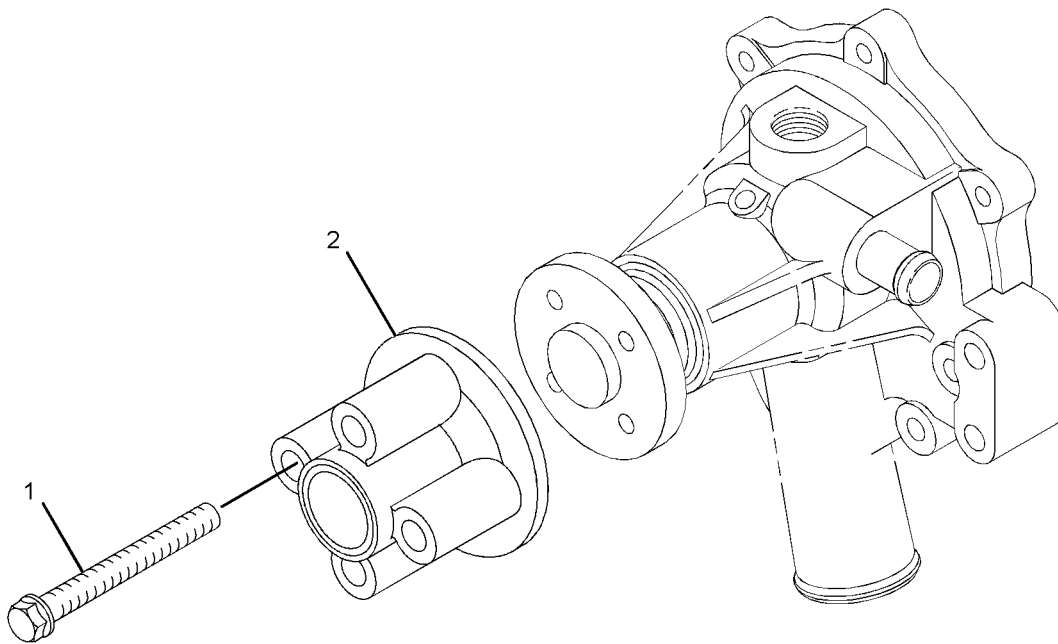
BASIC ENGINE

325 - 5669 DRIVE GP - FAN

SMCS - 1359

i03125381

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153 - 6856	4	BOLT						
	2	1	207 - 3697	1	EXTENSION						



GRAPHIC #1

<END>

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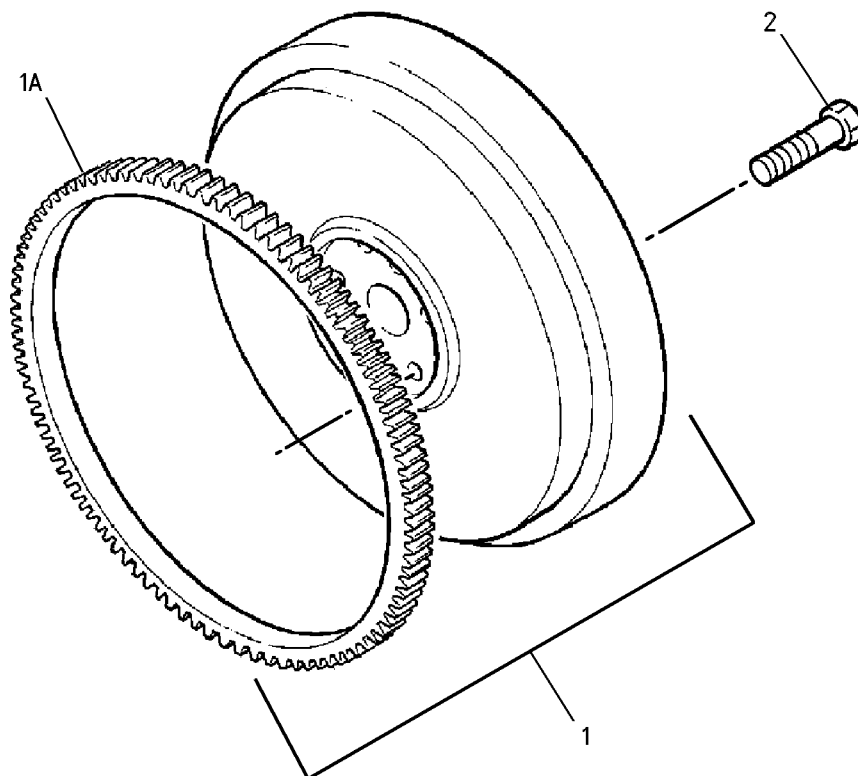
BASIC ENGINE

192-0115 FLYWHEEL GP

SMCS-1156

i03082414

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	327-5154	1	FLYWHEEL GP						
	1A	1	154-2405	1	GEAR-STARTER (126-TEETH)						
	2	1	154-2406	6	BOLT						



GRAPHIC #1

<END>

g00640776

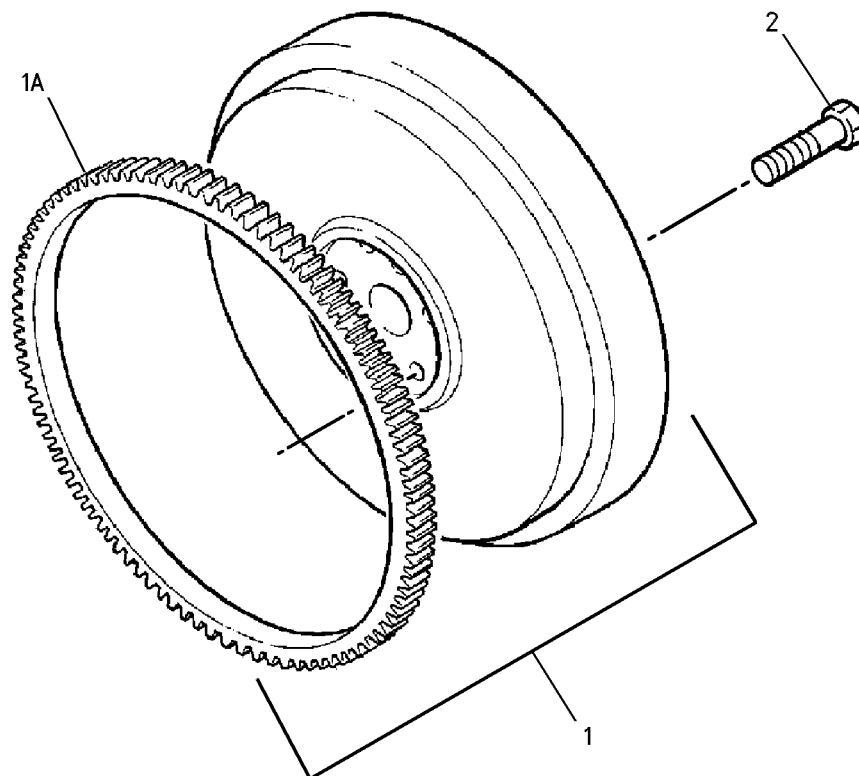
BASIC ENGINE

308-2291 FLYWHEEL GP

SMCS-1156

i02992342

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	327-5154	1	FLYWHEEL GP						
	1A	1	154-2405	1	GEAR-STARTER (126-TEETH)						
	2	1	154-2406	6	BOLT						



GRAPHIC #1

<END>

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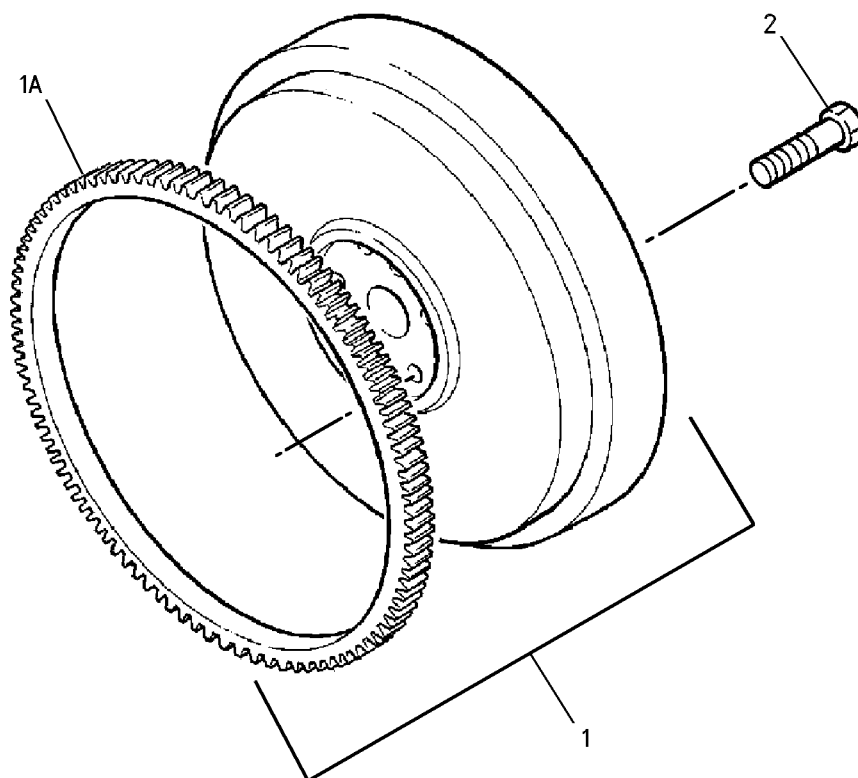
BASIC ENGINE

311-1884 FLYWHEEL GP

SMCS-1156

i02990546

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	326-5052	1	FLYWHEEL GP						
	1A	1	154-2405	1	GEAR-STARTER (126-TEETH)						
	2	1	154-2406	6	BOLT						



GRAPHIC #1

<END>

g00640766

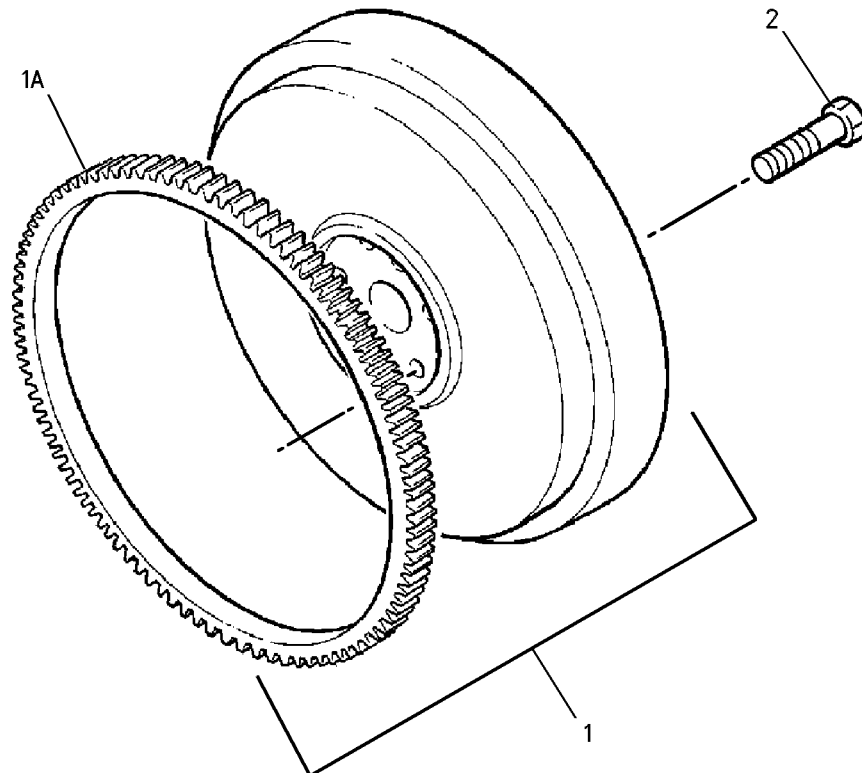
BASIC ENGINE

317-0586 FLYWHEEL GP

SMCS-1156

i02996903

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	327-5241	1	FLYWHEEL GP						
	1A	1	154-2405	1	GEAR-STARTER (126-TEETH)						
	2	1	154-2406	6	BOLT						



GRAPHIC #1

<END>

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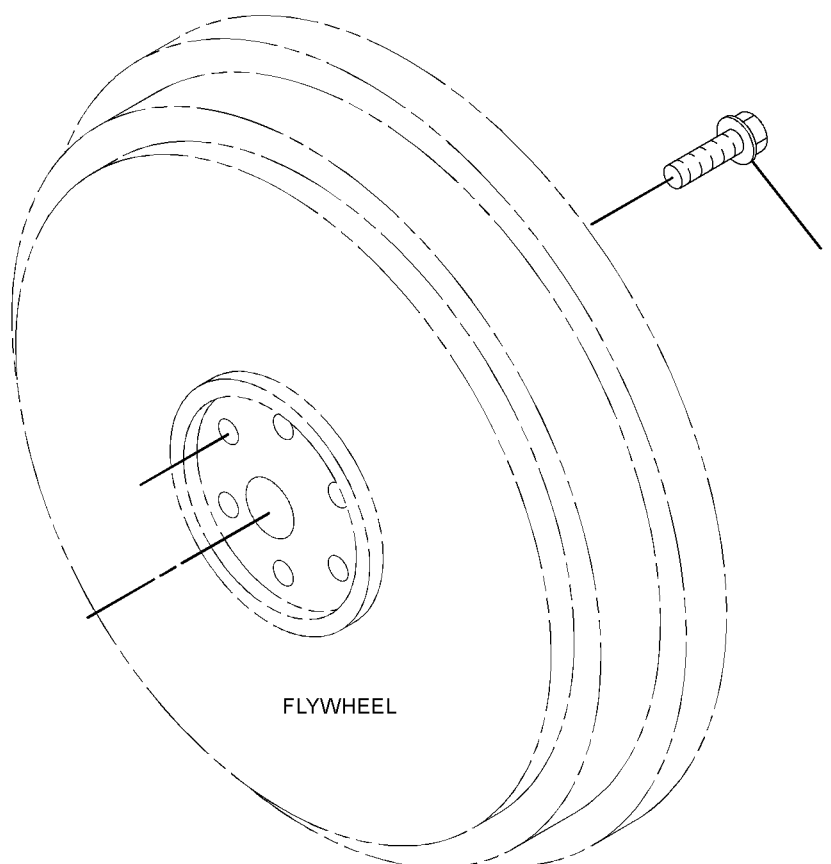
BASIC ENGINE

322-2412 FLYWHEEL GP

SMCS-1156

i02908404

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-2406	6	BOLT						



GRAPHIC #1

<END>

g01640274

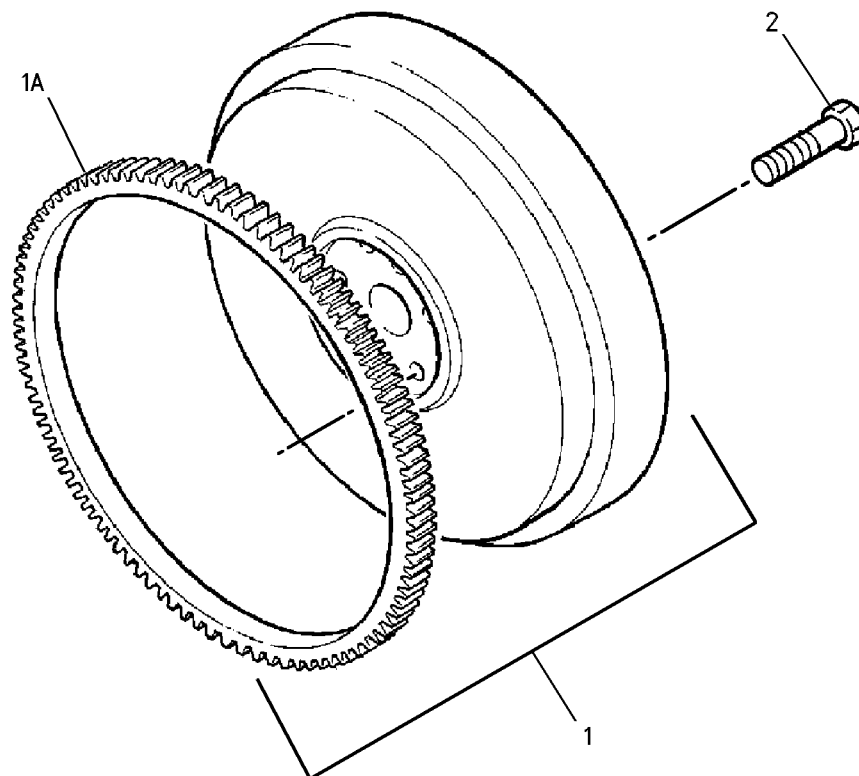
BASIC ENGINE

327-7632 FLYWHEEL GP

SMCS-1156

i03085927

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	327-5608	1	FLYWHEEL GP						
	1A	1	154-2405	1	GEAR-STARTER (126-TEETH)						
	2	1	154-2406	6	BOLT						



GRAPHIC #1

<END>

g00640766

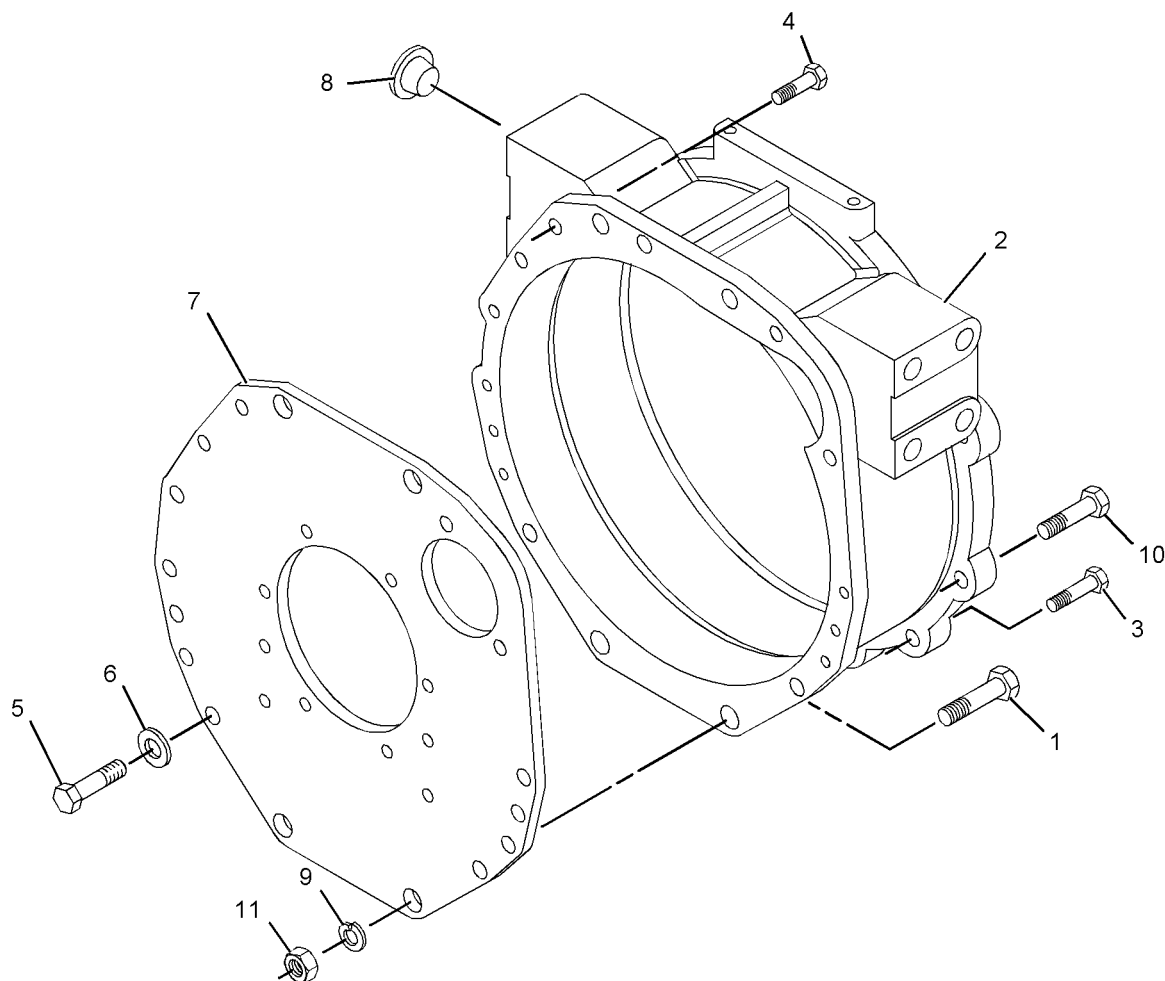
BASIC ENGINE

308-2290 HOUSING GP - FLYWHEEL

SMCS-1157

i02877261

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	138-7162	6	BOLT						
	2	1	138-7401	1	HOUSING - FLYWHEEL						
	3	1	252-1802	6	BOLT						
	4	1	153-6375	10	BOLT						
	5	1	153-6868	2	BOLT						
	6	1	154-1399	2	WASHER						
	7	1	154-2394	1	PLATE						
	8	1	154-2395	1	PLUG						
	9	1	154-2403	6	WASHER						
	10	1	165-2142	2	BOLT						
	11	1	166-2338	4	NUT						



GRAPHIC #1

<END>

g01140728

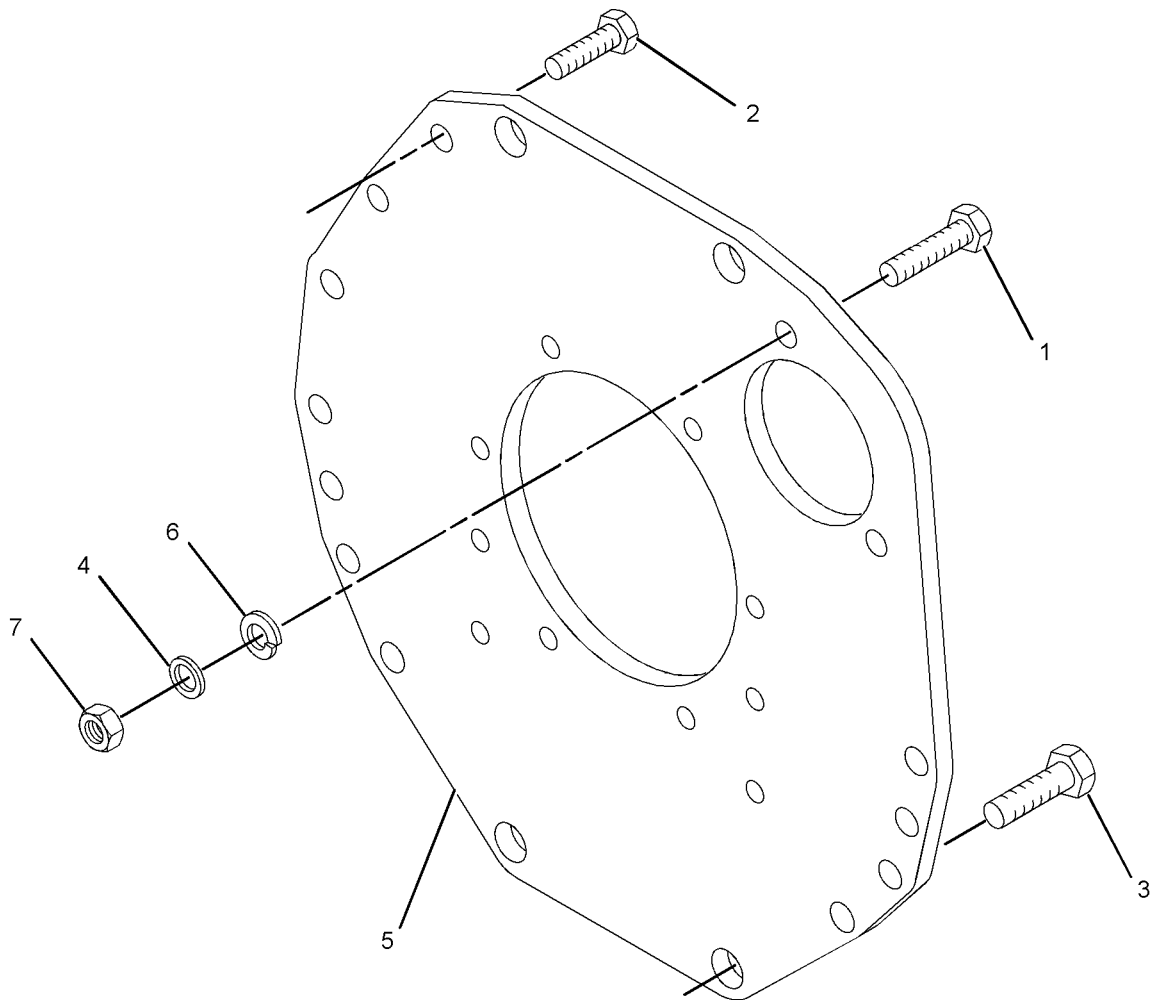
BASIC ENGINE

311-1883 HOUSING GP-FLYWHEEL

SMCS-1157

i02812352

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	138-7162	2	BOLT						
	2	1	138-7171	2	BOLT						
	3	1	153-6375	10	BOLT						
	4	1	154-1399	2	WASHER						
	5	1	154-2394	1	PLATE						
	6	1	154-2403	2	WASHER						
	7	1	155-8085	2	NUT						



GRAPHIC #1

<END>

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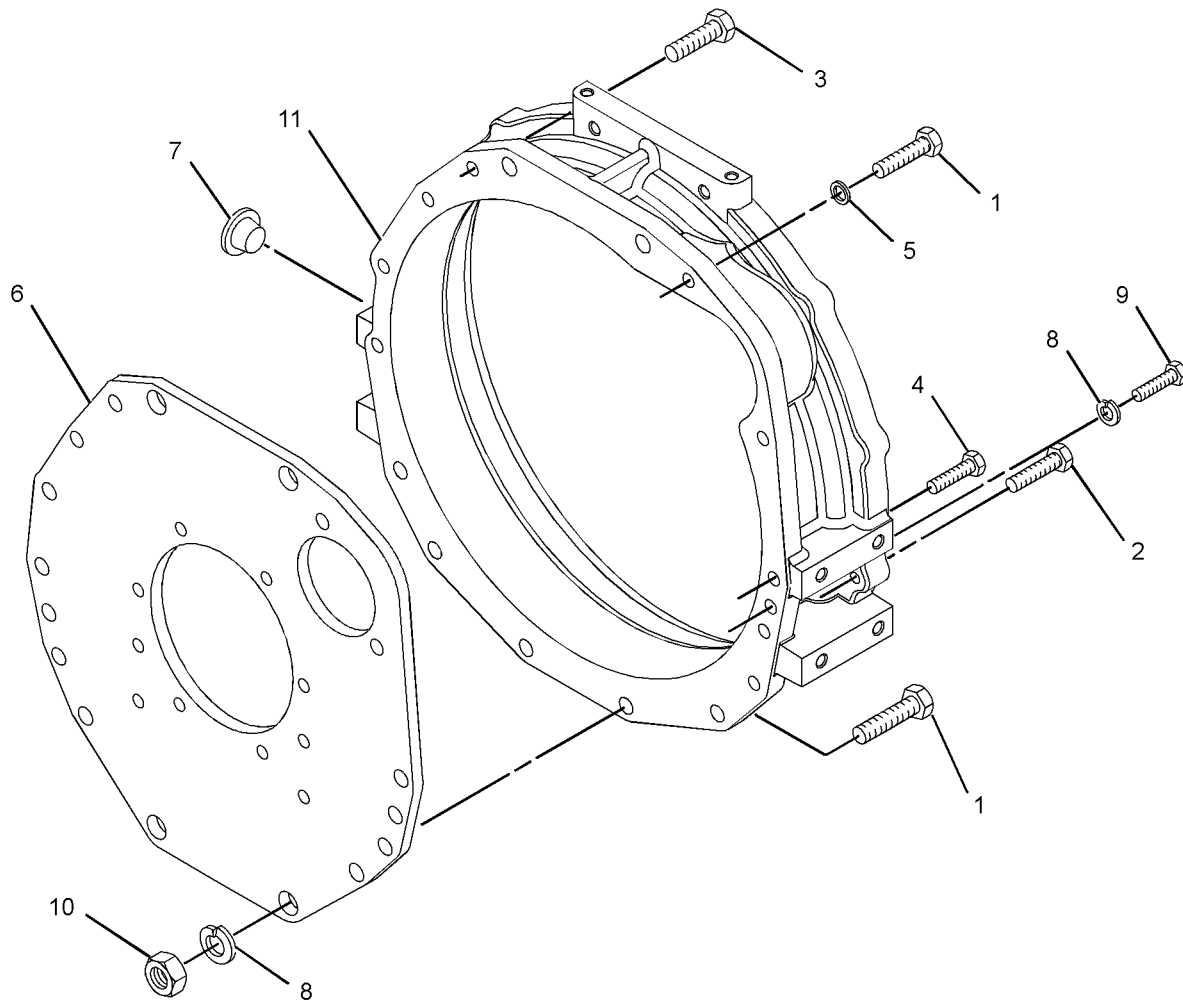
BASIC ENGINE

317-0588 HOUSING GP - FLYWHEEL

SMCS-1157

i02812003

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	138-7162	6	BOLT						
	2	1	252-1802	6	BOLT						
	3	1	153-6375	10	BOLT						
	4	1	153-6868	2	BOLT						
	5	1	154-1399	2	WASHER						
	6	1	154-2394	1	PLATE						
	7	1	154-2395	2	PLUG						
	8	1	154-2403	6	WASHER						
	9	1	165-2142	2	BOLT						
	10	1	166-2338	4	NUT						
	11	1	318-5011	1	HOUSING - FLYWHEEL						



GRAPHIC #1

<END>

g01414805

BASIC ENGINE

218-2253 HOUSING GP - FRONT

SMCS-1151, 1162, 1206

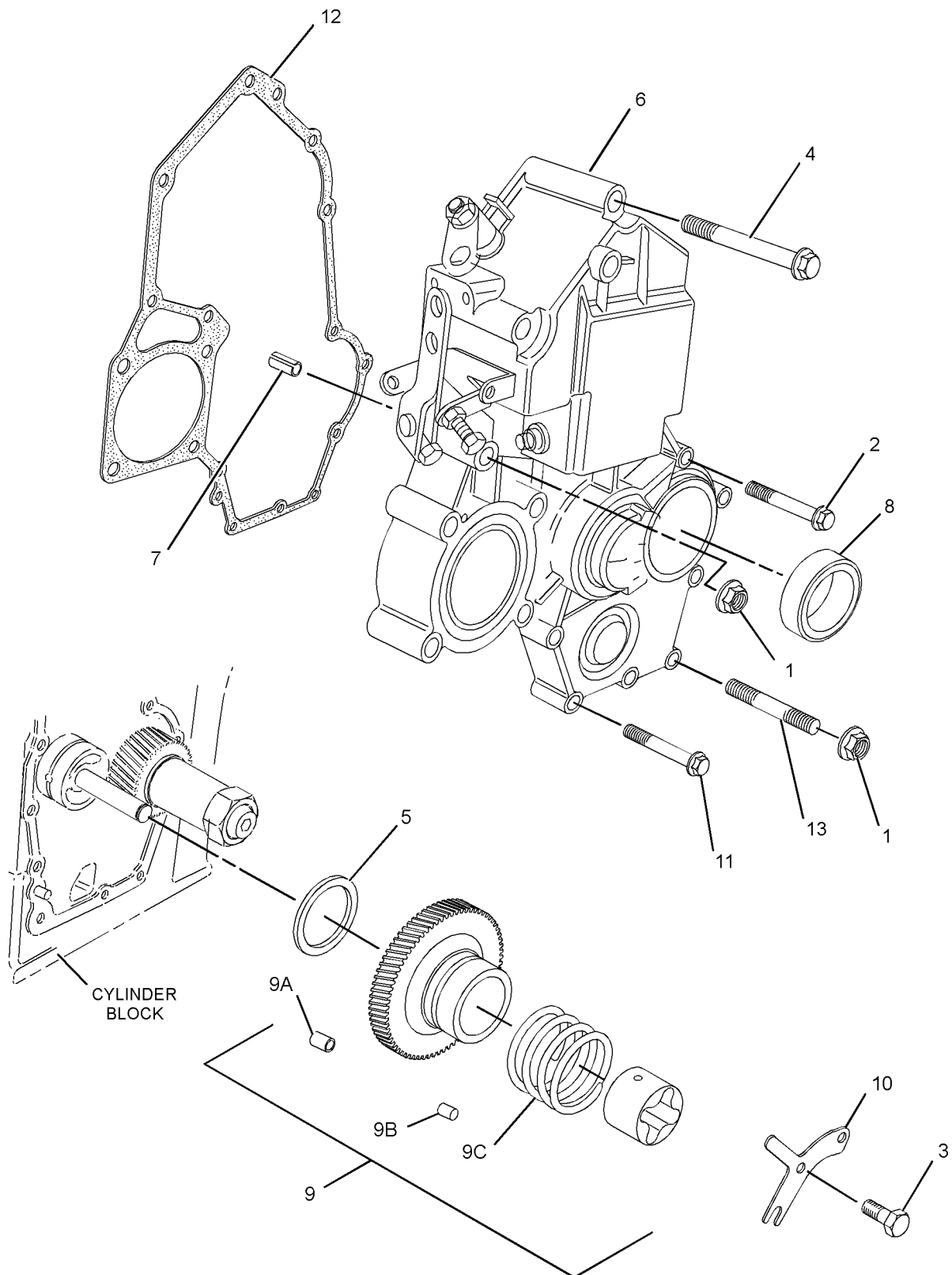
i03082427

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5960	2	NUT						
	2	1	153-5962	3	BOLT						
	3	1	153-6838	1	BOLT						
	4	1	153-6856	6	BOLT						
	5	1	153-7985	1	WASHER						
	6	1	154-1672	1	HOUSING - FRONT						
	7	1	154-1673	1	PIN						
	8	1	154-1675	1	SEAL						
	9	1	297-3050	1	GEAR AS (62-TEETH)						
	9A	1	154-1677	3	BUSHING						
	9B	1	154-1678	3	DOWEL						
	9C	1	154-1679	1	SPRING						
	10	1	154-1680	1	PLATE						
	11	1	165-2139	2	BOLT						
	12	1	215-2621	1	GASKET						
	13	1	160-7626	1	STUD						

BASIC ENGINE

218 - 2253 HOUSING GP - FRONT (contd.)

i03082427



GRAPHIC #1

<END>

g01218861

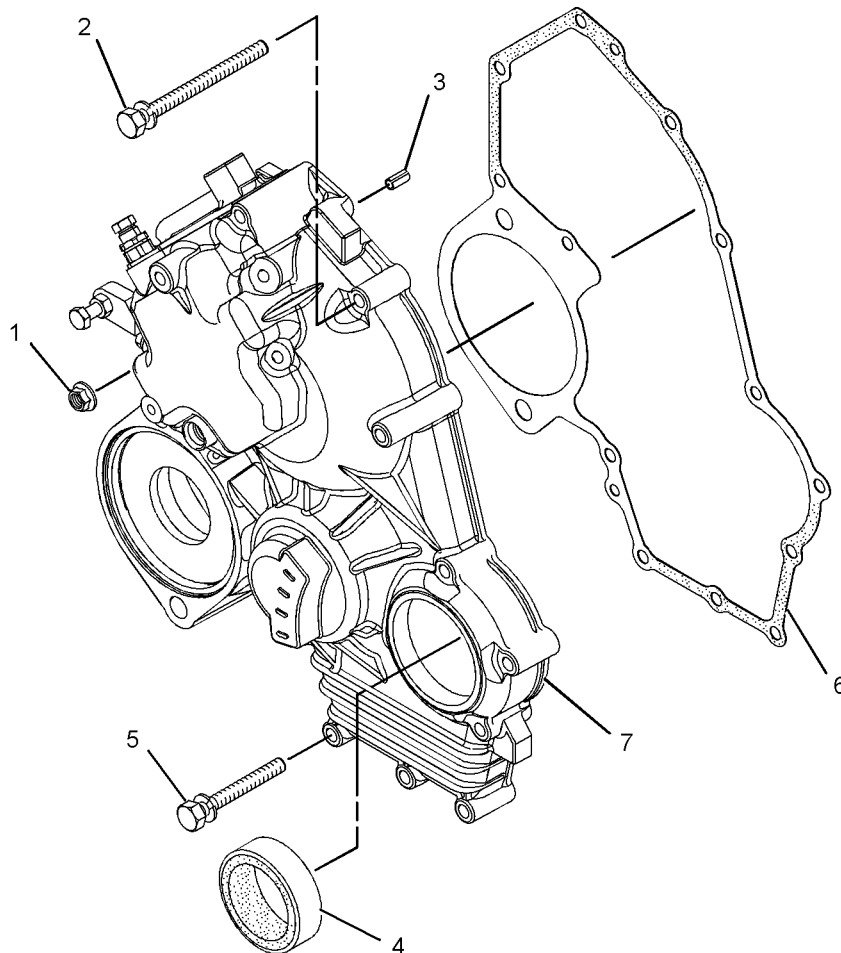
BASIC ENGINE

308-2288 HOUSING GP - FRONT

SMCS-1151, 1162, 1206

i03126106

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5960	2	NUT						
	2	1	153-5962	4	BOLT						
	3	1	154-1673	1	PIN						
	4	1	154-1675	1	SEAL						
	5	1	165-2140	7	BOLT						
	6	1	308-1871	1	GASKET						
	7	1	311-0656	1	CASE						



GRAPHIC #1

<END>

g01626209

BASIC ENGINE

309-6718 HOUSING GP - FRONT

TYPE 1

SMCS-1151, 1162, 1206

i02882202

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	2	5C-2890	1	NUT (M6X1-THD)						
	2	2	139-5511	1	CAP (TAMPER RESISTANT)						
	3	2	153-5592	1	NUT						
	4	1	153-5960	2	NUT						
	5	1	153-5962	4	BOLT						
	6	2	153-6415	2	WASHER						
	7	3	153-6838	2	BOLT						
	8	2	153-7983	1	PIN						
	10	2	154-1403	1	SEAL-O-RING						
	11	1	154-1673	1	PIN						
	12	1	154-1675	1	SEAL						
	13	3	154-1680	1	PLATE						
M	14	2	8T-4971	2	BOLT (M6X1X30-MM)						
	15	2	162-2207	1	NUT						
	16	1	165-2140	7	BOLT						
	17	2	183-3538	4	BOLT						
	18	2	217-7115	1	CAP (TAMPER RESISTANT)						
	19	1	308-1871	1	GASKET						
	20	1	322-7490	1	HOUSING-FRONT						
	21	1	308-1874	1	HOLDER						
	22	1	308-1875	3	SEAL-O-RING						
	23	2	308-1877	1	BRACKET						
	24	2	308-1878	1	GASKET						
	25	2	322-7491	1	ARM (FRONT HOUSING)						
	26	2	317-7195	1	SPRING						
	27	2	308-1882	1	SPRING						
	28	2	322-7492	1	LEVER-CONTROL						
	29	2	308-1889	1	NUT						
	30	2	322-7493	1	LEVER-CONTROL						
	31	2	308-1892	1	NUT						
	32	2	311-0655	1	SPRING						
	33	2	308-1897	1	RING						
	34	2	321-8210	1	CAP AS-PROTECTION						
	35	2	321-4249	1	NUT						
	36	2	308-1901	1	CAP						
	37	3	308-1904	1	SLIDER						
	38	2	308-4266	1	SHAFT						
	39	2	309-6728	1	SHAFT						
	40	2	309-6729	1	SEAL-O-RING						
	41	2	319-3250	1	SENSOR-SPEED (ENGINE TIMING)						
	42	2	313-5832	1	BOLT AS						
	42A	2	153-7987	1	WASHER						
	42B	2	191-9297	1	NUT						
	42C	2	313-5833	1	SPRING						
	43	2	309-6732	1	BOLT						
	44	3	309-6733	1	CAMSHAFT AS						
	44A	3	153-6492	1	KEY-WOODRUFF						
	44B	3	154-4505	1	BEARING						
	44C	3	308-1903	1	GEAR-CAMSHAFT (66-TEETH) (66-TEETH)						
	44D	3	313-9323	1	SPACER						

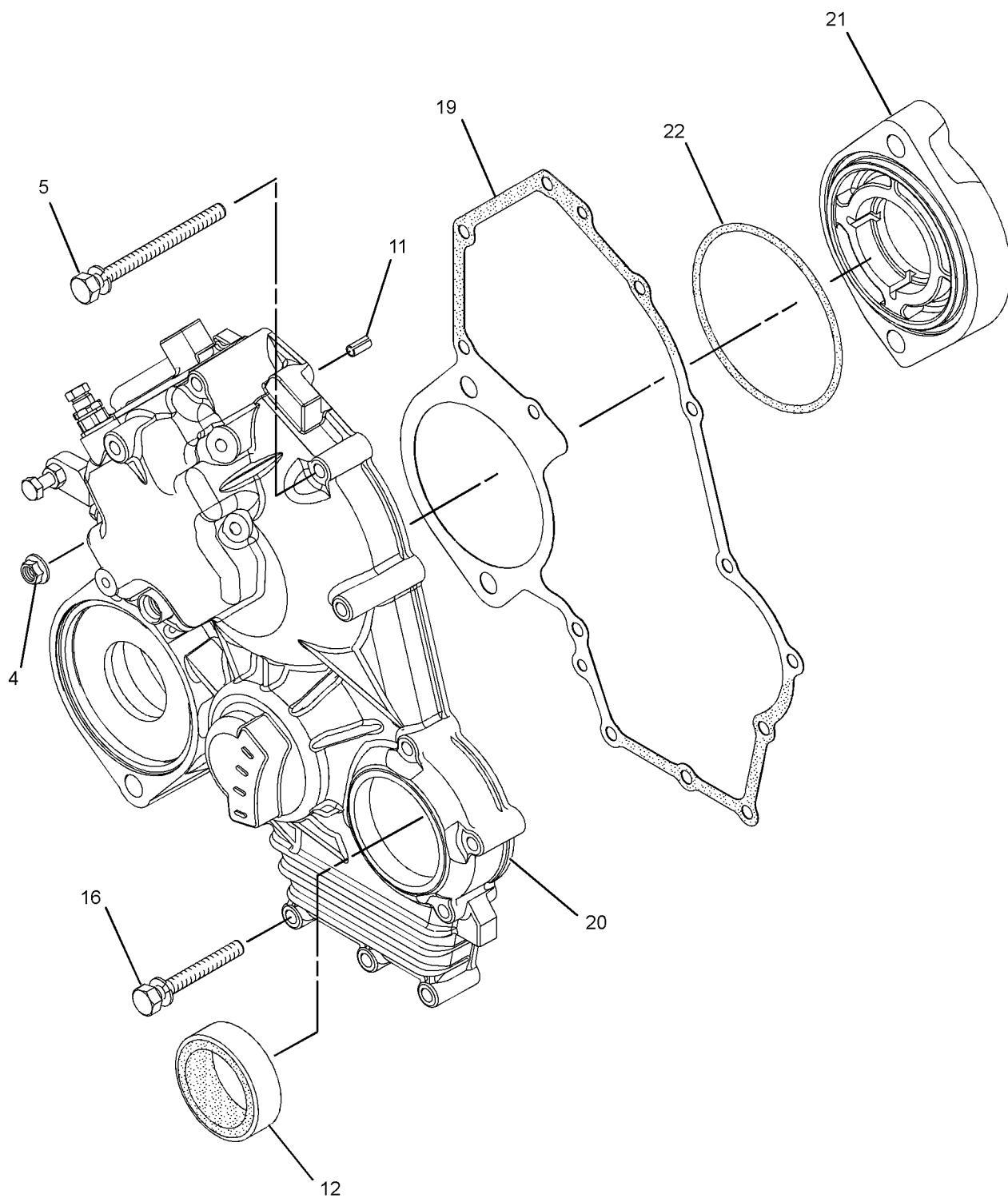
F 154-1396 1 CLIP

F - NOT SHOWN
M - METRIC PART

BASIC ENGINE

309-6718 HOUSING GP - FRONT (contd.)

i02882202



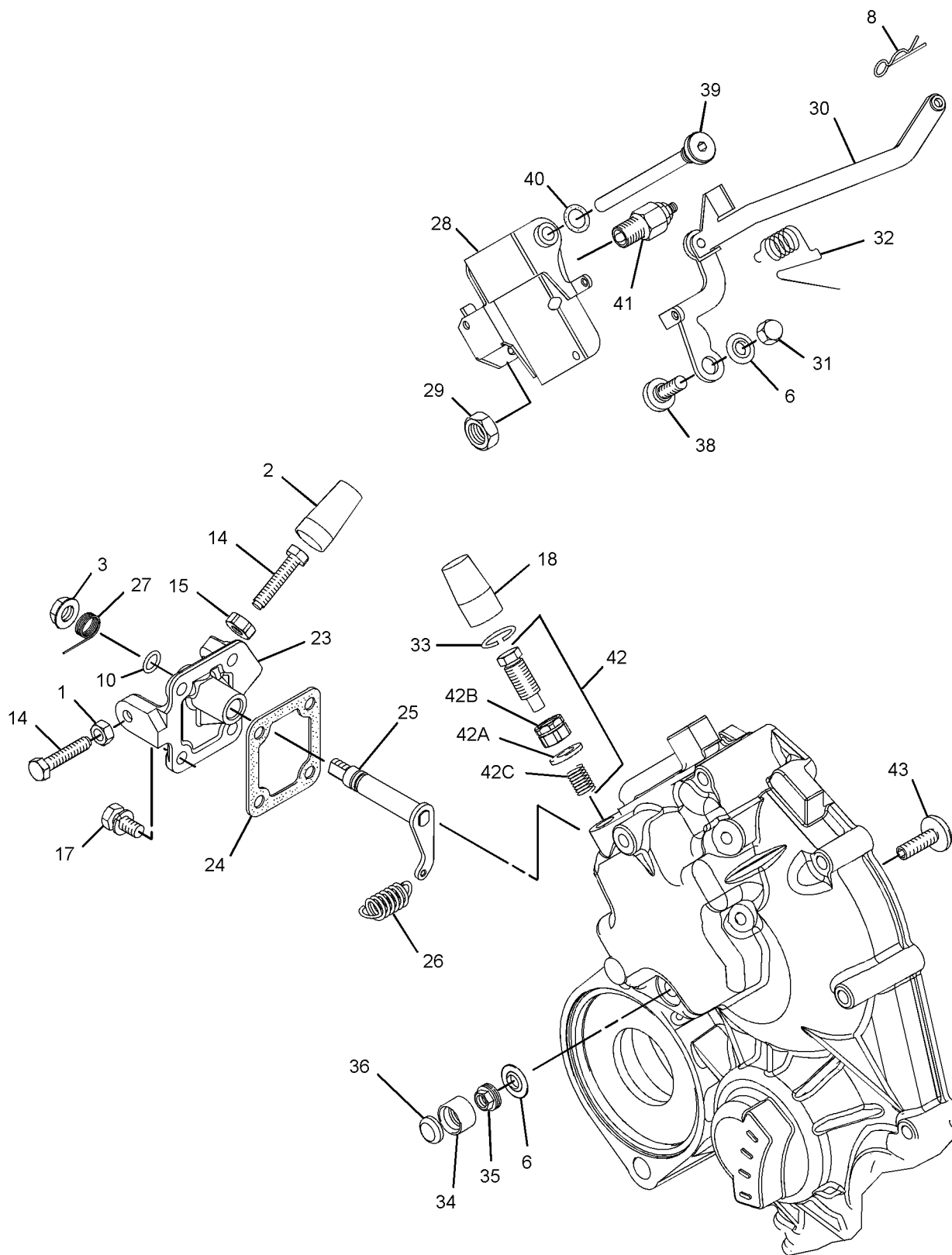
GRAPHIC #1

g01415338

BASIC ENGINE

309-6718 HOUSING GP - FRONT (contd.)

i02882202



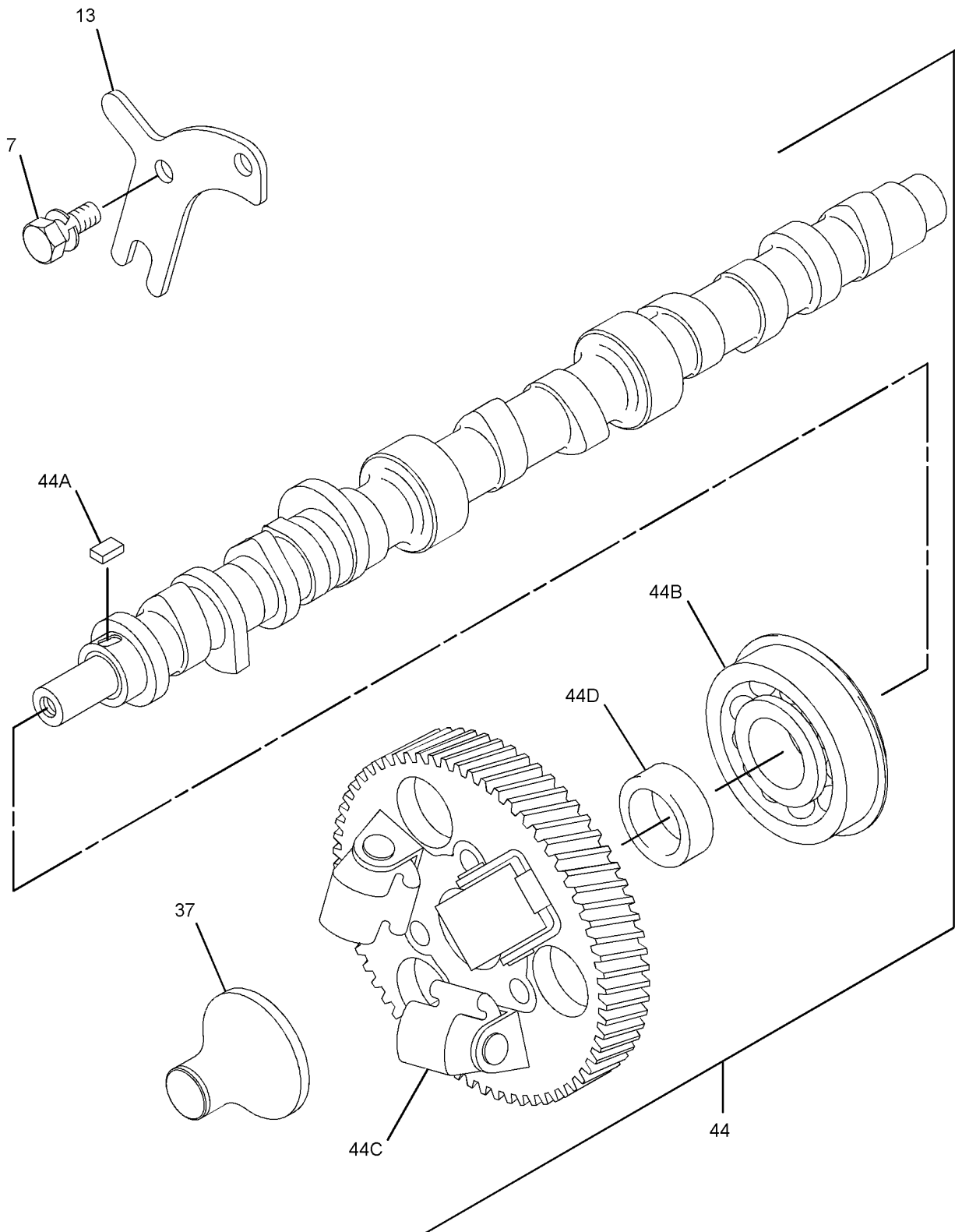
GRAPHIC #2

g01633334

BASIC ENGINE

309-6718 HOUSING GP - FRONT (contd.)

i02882202



GRAPHIC #3

<END>

g01415341

BASIC ENGINE

309-6718 HOUSING GP - FRONT

TYPE 2

SMCS-1151, 1162, 1206

i03206574

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	2	5C-2890	1	NUT (M6X1-THD)						
	2	2	139-5511	1	CAP (TAMPER RESISTANT)						
	3	2	153-5592	1	NUT						
	4	1	153-5960	2	NUT						
	5	1	153-5962	4	BOLT						
	6	2	153-6415	2	WASHER						
	7	3	153-6838	2	BOLT						
	8	2	153-7983	1	PIN						
	10	2	154-1403	1	SEAL-O-RING						
	11	1	154-1673	1	PIN						
	12	1	154-1675	1	SEAL						
	13	3	154-1680	1	PLATE						
M	14	2	8T-4971	2	BOLT (M6X1X30-MM)						
	15	2	162-2207	1	NUT						
	16	1	165-2140	7	BOLT						
	17	2	183-3538	4	BOLT						
	18	2	217-7115	1	CAP (TAMPER RESISTANT)						
	19	1	308-1871	1	GASKET						
	20	1	322-7490	1	HOUSING-FRONT						
	23	2	335-5578	1	BRACKET						
	24	2	308-1878	1	GASKET						
	25	2	334-0732	1	ARM (FRONT HOUSING)						
C	26	2	317-7195	1	SPRING						
	27	2	308-1882	1	SPRING						
	28	2	322-7492	1	LEVER-CONTROL						
	29	2	308-1889	1	NUT						
	30	2	322-7493	1	LEVER-CONTROL						
	31	2	308-1892	1	NUT						
	32	2	311-0655	1	SPRING						
	33	2	308-1897	2	RING						
	34	2	332-1361	1	CAP-PROTECTION						
	35	2	321-4249	1	NUT						
C	36	2	308-1901	1	CAP						
	37	3	308-1904	1	SLIDER						
	38	2	308-4266	1	SHAFT						
	39	2	309-6728	1	SHAFT						
	40	2	309-6729	1	SEAL-O-RING						
	41	2	319-3250	1	SENSOR-SPEED (ENGINE TIMING)						
	42	2	313-5832	1	BOLT AS						
	42A	2	153-7987	1	WASHER						
	42B	2	191-9297	1	NUT						
	42C	2	313-5833	1	SPRING						
C	43	2	309-6732	1	BOLT						
	44	3	309-6733	1	CAMSHAFT AS						
	44A	3	153-6492	1	KEY-WOODRUFF						
	44B	3	154-4505	1	BEARING						
	44C	3	308-1903	1	GEAR-CAMSHAFT (66-TEETH)						
	44D	3	313-9323	1	SPACER						
	F		154-1396	1	CLIP						
	CF		308-1875	1	SEAL-O-RING						

C- CHANGE FROM PREVIOUS TYPE

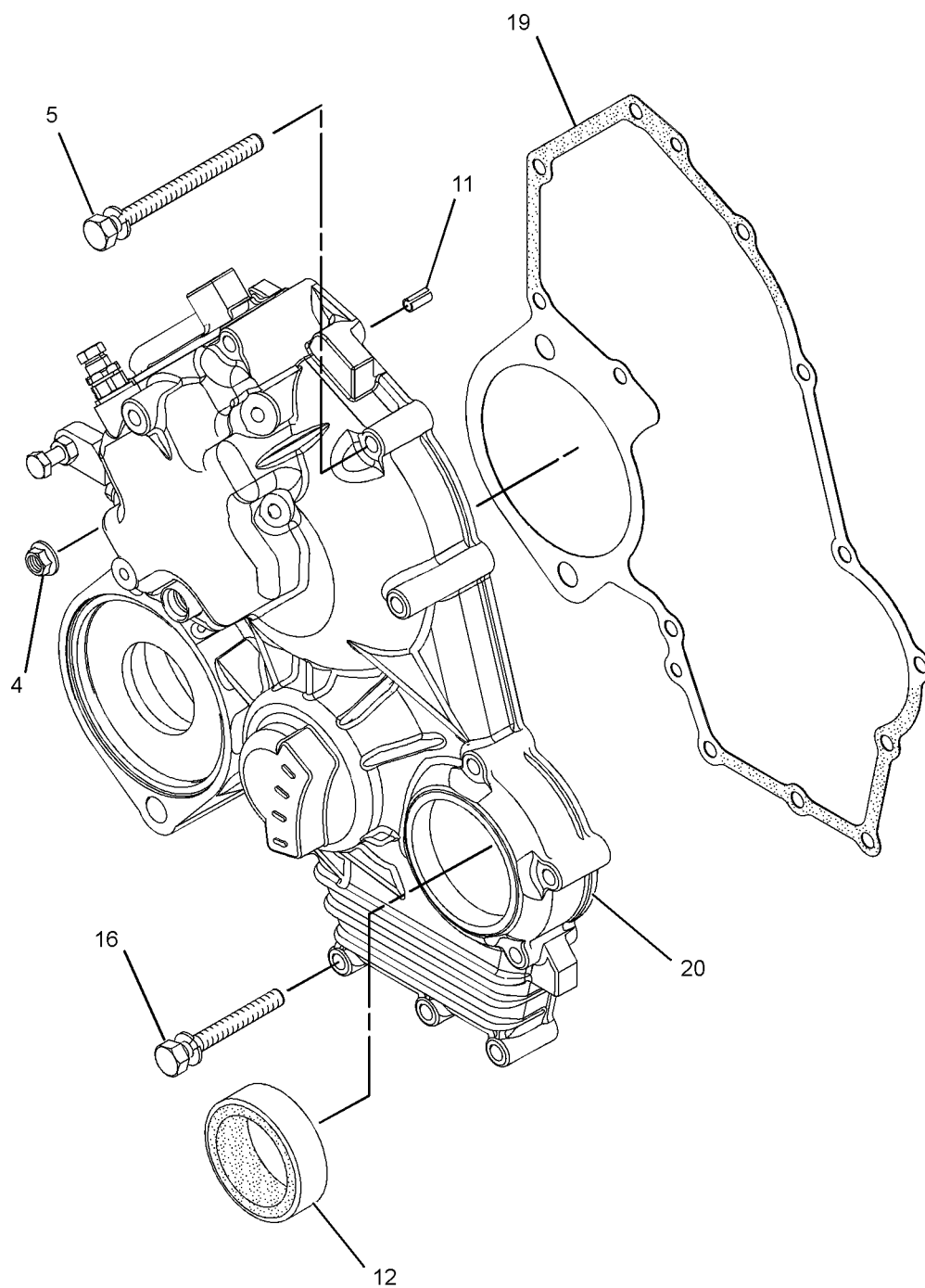
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M- METRIC PART

BASIC ENGINE

309-6718 HOUSING GP - FRONT (contd.)

i03206574



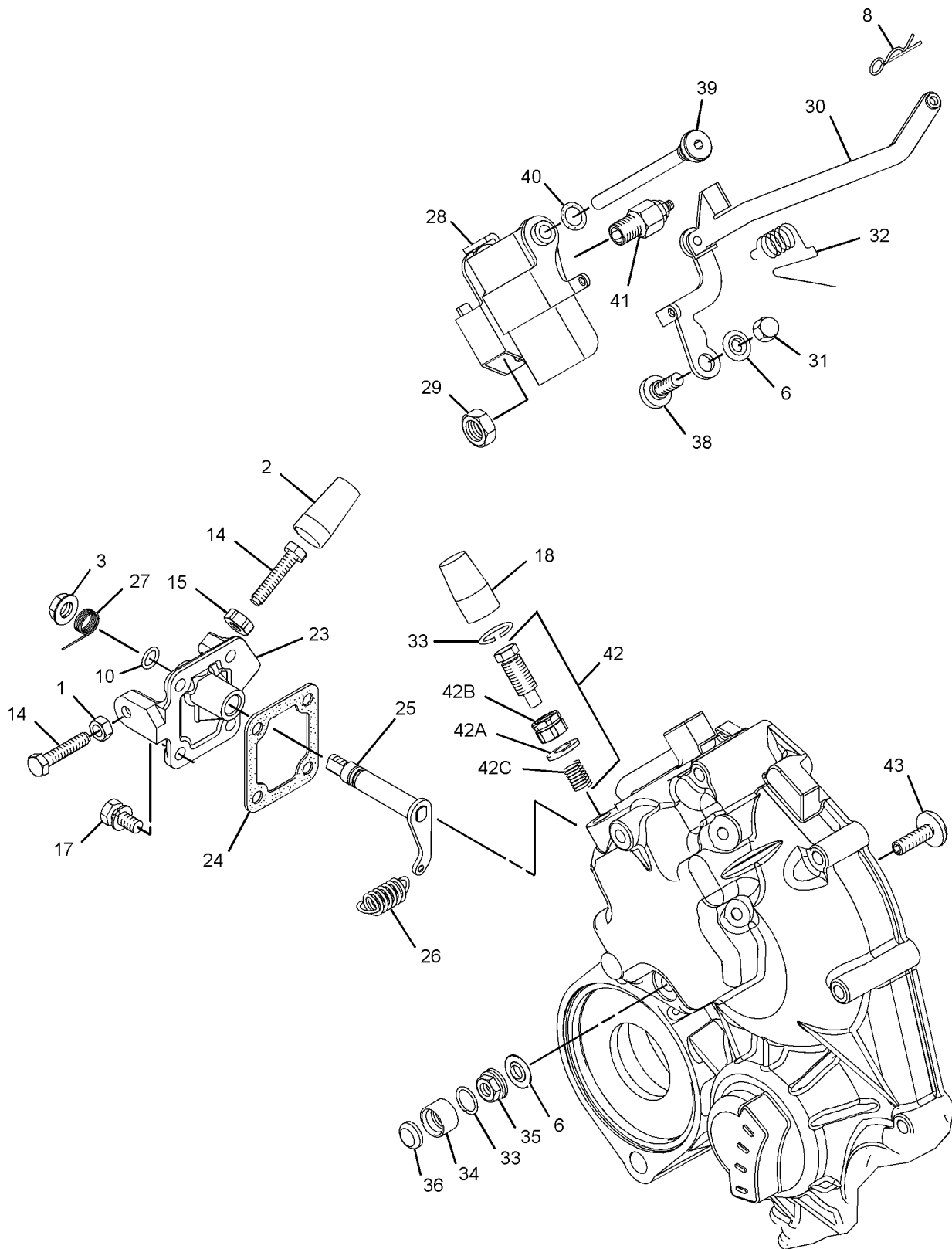
GRAPHIC #1

g01636998

BASIC ENGINE

309-6718 HOUSING GP - FRONT (contd.)

i03206574



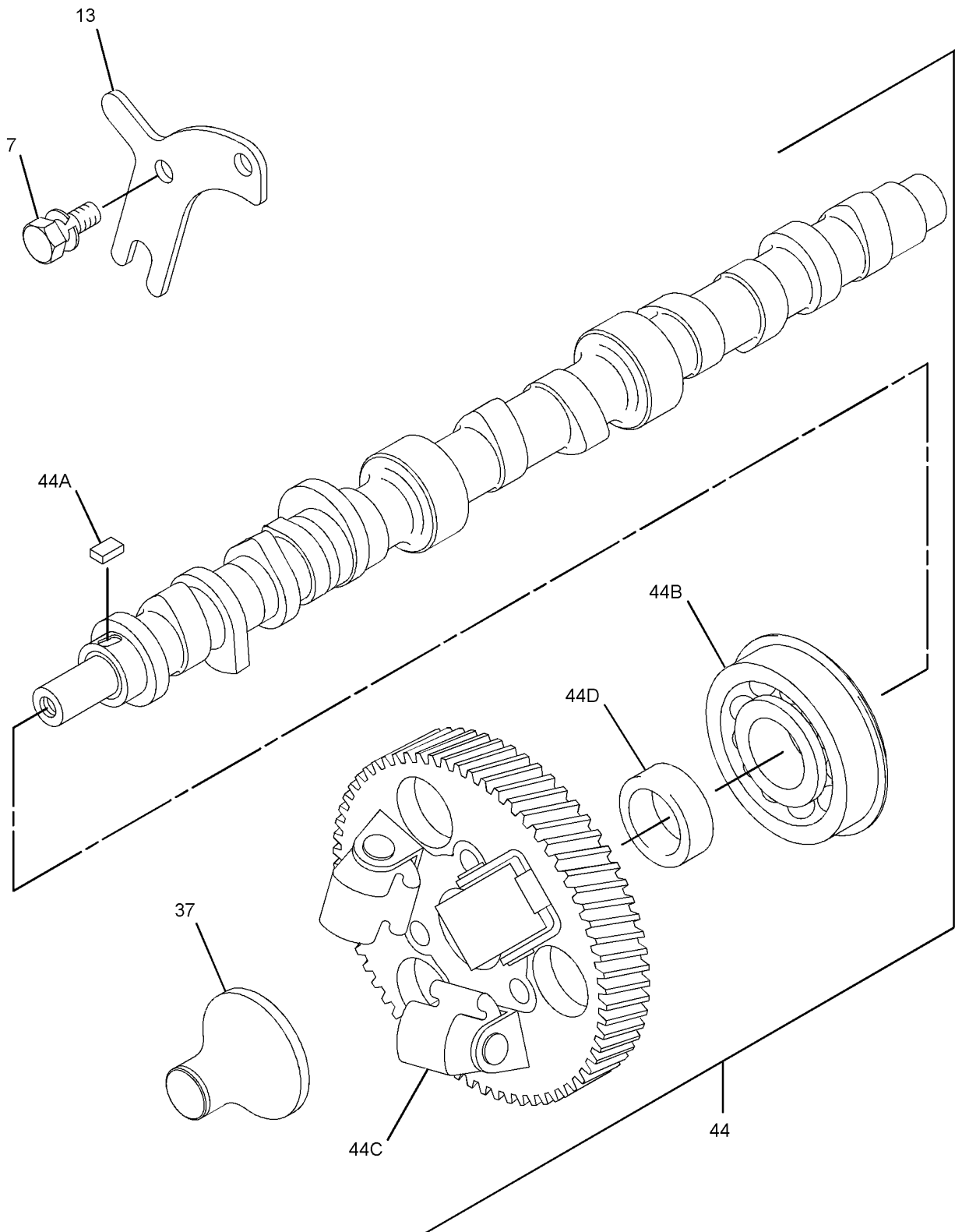
GRAPHIC #2

g01636999

BASIC ENGINE

309-6718 HOUSING GP - FRONT (contd.)

i03206574



GRAPHIC #3

<END>

g01415341

BASIC ENGINE

311-1682 HOUSING GP-FRONT

SMCS-1151, 1162, 1206

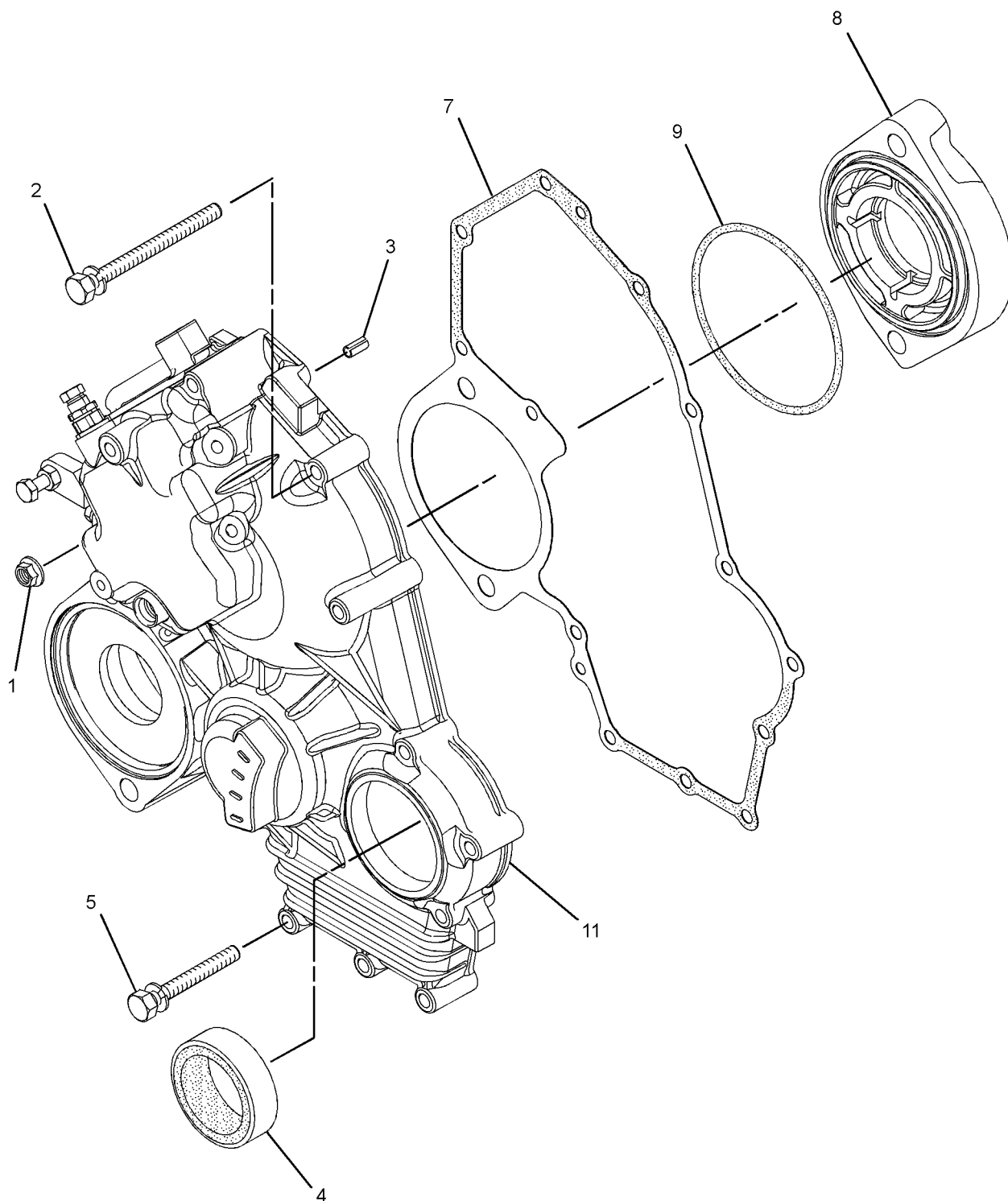
i02948376

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5960	2	NUT						
	2	1	153-5962	4	BOLT						
	3	1	154-1673	1	PIN						
	4	1	154-1675	1	SEAL						
	5	1	165-2140	7	BOLT						
	6	2	217-7115	1	CAP (TAMPER RESISTANT)						
	7	1	308-1871	1	GASKET						
	8	1	308-1874	1	HOLDER						
	9	1	308-1875	1	SEAL-O-RING						
	10	2	309-6729	1	SEAL-O-RING						
	11	1	311-0656	1	CASE						

BASIC ENGINE

311 - 1682 HOUSING GP - FRONT (contd.)

i02948376



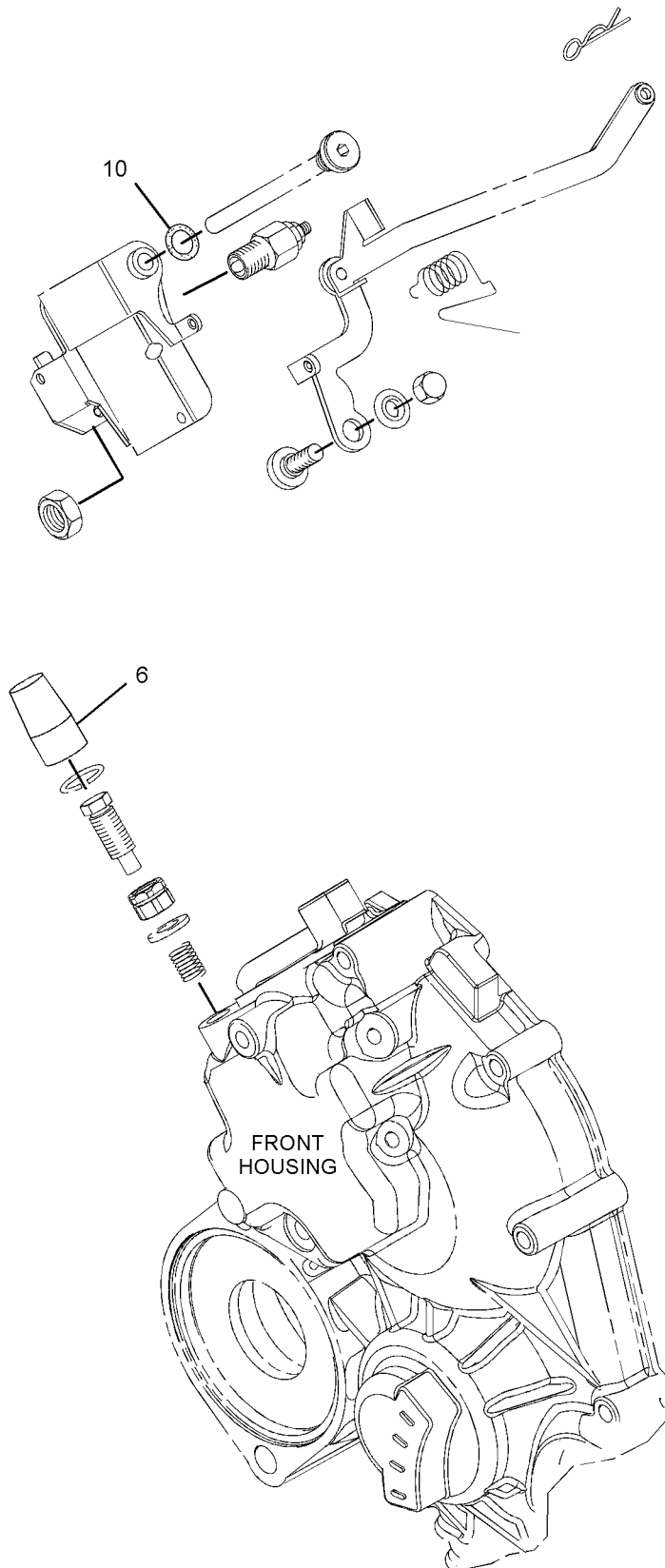
GRAPHIC #1

g01634716

BASIC ENGINE

311-1682 HOUSING GP - FRONT (contd.)

i02948376



GRAPHIC #2

<END>

g01634717

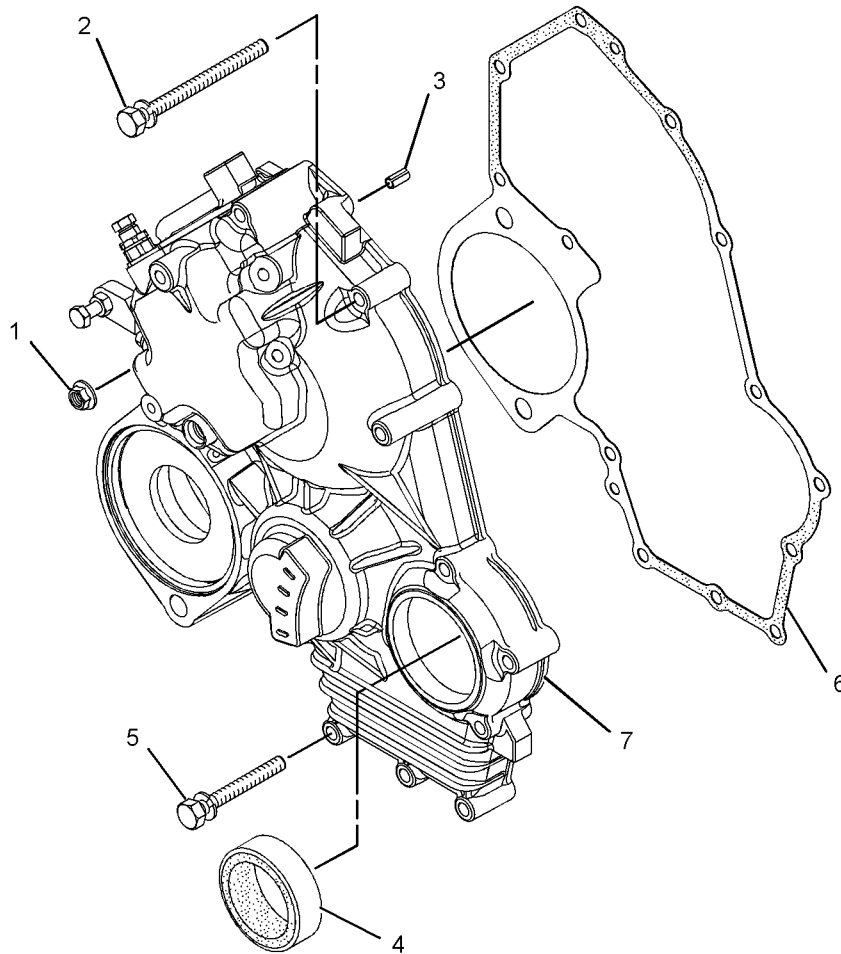
BASIC ENGINE

311-9023 HOUSING GP - FRONT

SMCS-1151, 1162, 1206

i03168583

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5960	2	NUT						
	2	1	153-5962	4	BOLT						
	3	1	154-1673	1	PIN						
	4	1	154-1675	1	SEAL						
	5	1	165-2140	7	BOLT						
	6	1	308-1871	1	GASKET						
	7	1	322-7490	1	HOUSING - FRONT						
F			153-6415	1	WASHER						
F - NOT SHOWN											



GRAPHIC #1

<END>

g01626211

BASIC ENGINE

321-4257 HOUSING GP - FRONT

SMCS-1151, 1162, 1206

i03149560

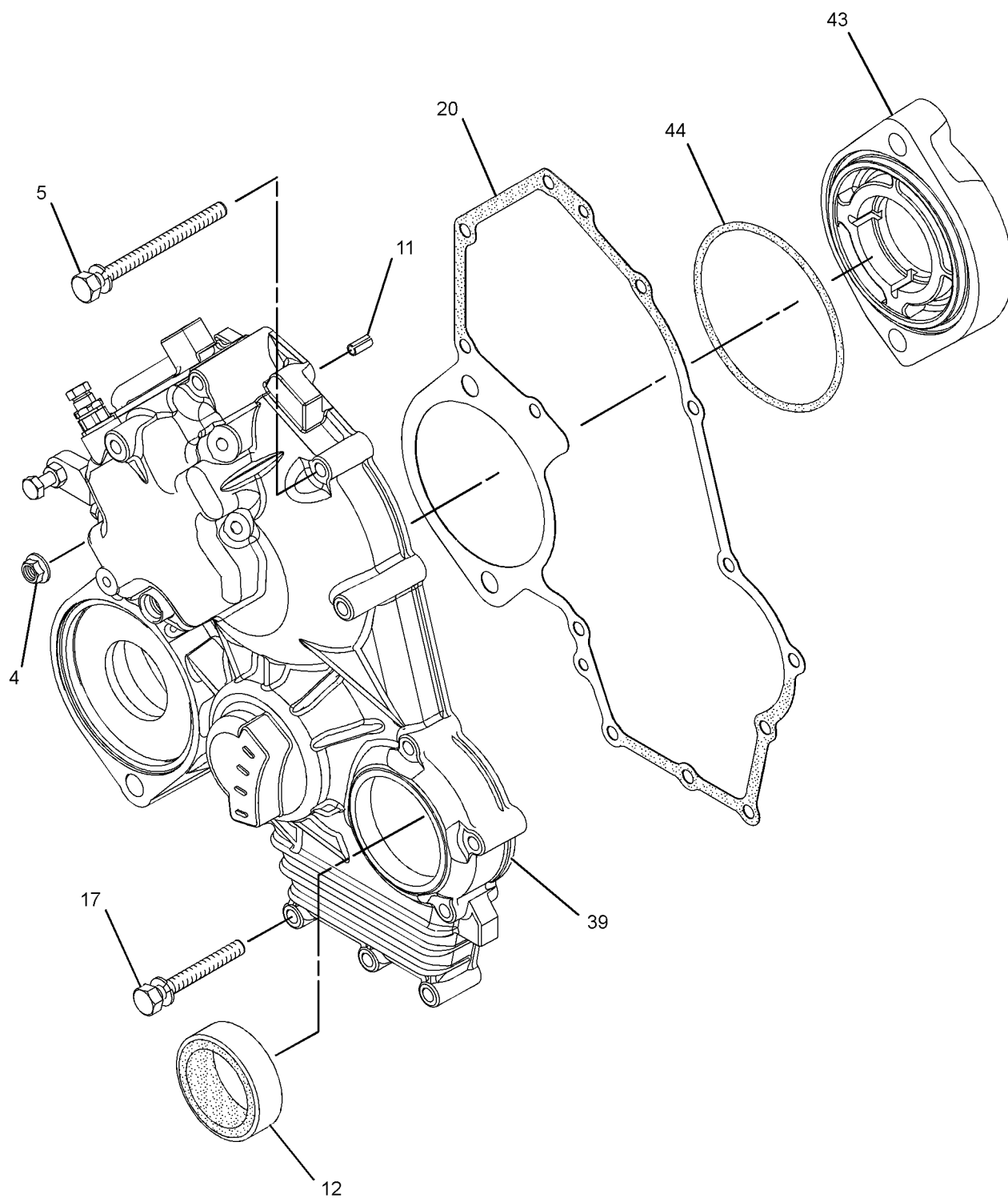
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	2	5C-2890	1	NUT (M6X1-THD)						
	2	2	139-5511	1	CAP (TAMPER RESISTANT)						
	3	2	153-5592	1	NUT						
	4	1	153-5960	2	NUT						
	5	1	153-5962	4	BOLT						
	6	2	153-6415	2	WASHER						
	7	3	153-6838	1	BOLT						
	8	2	153-7983	1	PIN						
	9	2	154-1403	1	SEAL-O-RING						
	10	2	154-1407	1	BOLT						
	11	1	154-1673	1	PIN						
	12	1	154-1675	1	SEAL						
	13	3	154-1680	1	PLATE						
	14	2	154-2715	1	WASHER						
M	15	2	8T-4971	1	BOLT (M6X1X30-MM)						
	16	2	162-2207	1	NUT						
	17	1	165-2140	6	BOLT						
	18	2	183-3538	4	BOLT						
	19	2	217-7115	1	CAP (TAMPER RESISTANT)						
	20	1	308-1871	1	GASKET						
	21	2	308-1877	1	BRACKET						
	22	2	308-1878	1	GASKET						
	23	2	308-1882	1	SPRING						
	24	2	308-1889	1	NUT						
	25	2	308-1892	1	NUT						
	26	2	308-1897	1	RING						
	27	2	308-1901	1	CAP						
	28	2	308-4266	1	SHAFT						
	29	2	309-6728	1	SHAFT						
	30	2	309-6732	1	BOLT						
	31	2	311-0655	1	SPRING						
	32	2	313-2025	1	SENSOR-SPEED (TIMING, CAMSHAFT)						
	33	2	315-5236	1	BOLT AS						
	33A	2	153-7987	1	WASHER						
	33B	2	191-9297	1	NUT						
	33C	2	315-5235	1	SPRING						
	34	2	321-3145	1	SPRING						
	35	2	321-4249	1	NUT						
	36	3	321-4250	1	CAMSHAFT GP						
	36A	3	153-6492	1	KEY-WOODRUFF						
	36B	3	154-4505	1	BEARING						
	36C	3	313-9323	1	SPACER						
	36D	3	321-4251	1	GEAR-CAMSHAFT						
	37	3	321-4252	1	SLIDER						
	38	2	321-8210	1	CAP AS-PROTECTION						
	39	1	322-7490	1	HOUSING-FRONT						
	40	2	322-7491	1	ARM (FRONT HOUSING)						
	41	2	322-7492	1	LEVER-CONTROL						
	42	2	322-7493	1	LEVER-CONTROL						
	43	1	308-1874	1	HOLDER						
	44	1	308-1875	1	SEAL-O-RING						

M-METRIC PART

BASIC ENGINE

321-4257 HOUSING GP - FRONT (contd.)

i03149560



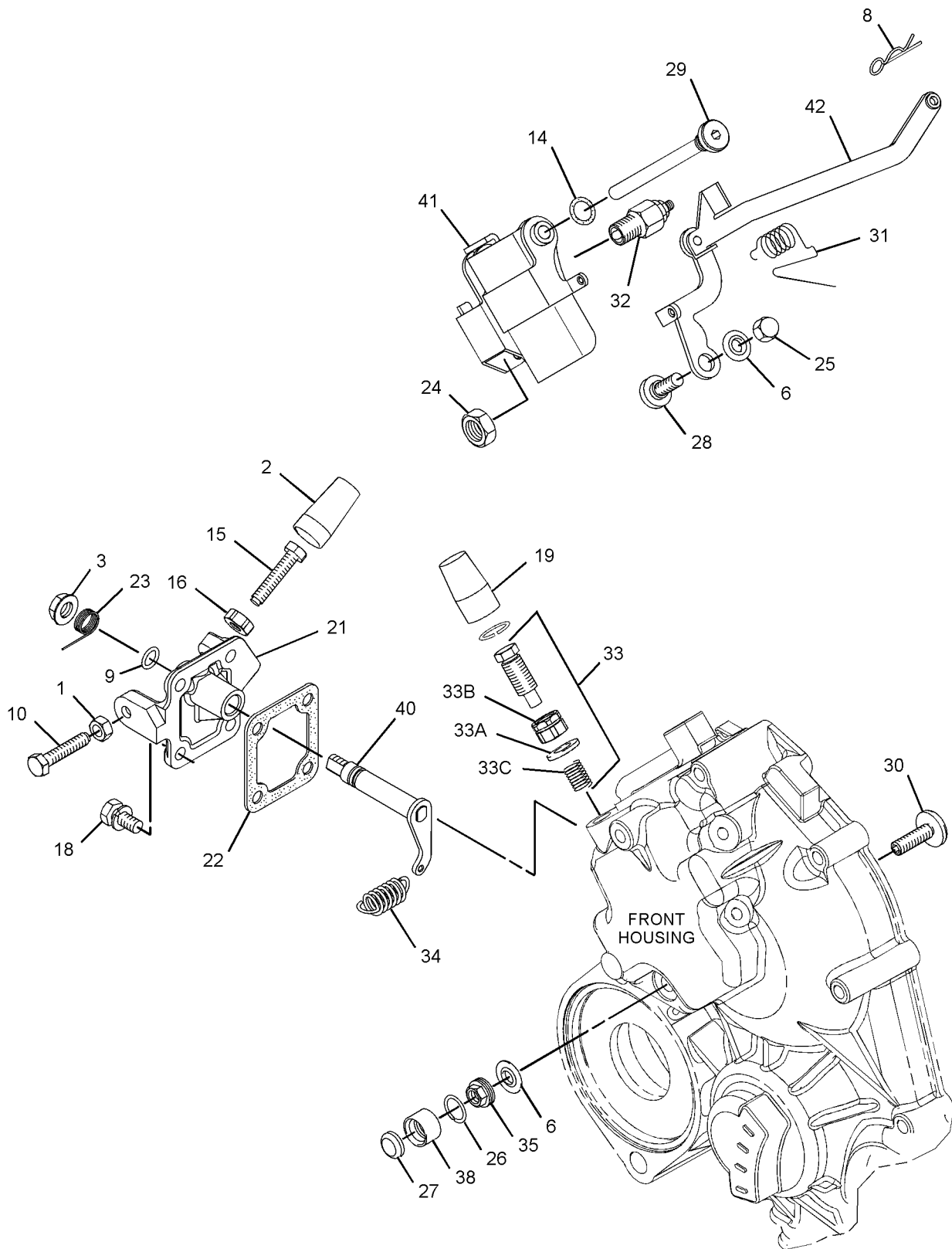
GRAPHIC #1

g01634773

BASIC ENGINE

321-4257 HOUSING GP - FRONT (contd.)

i03149560



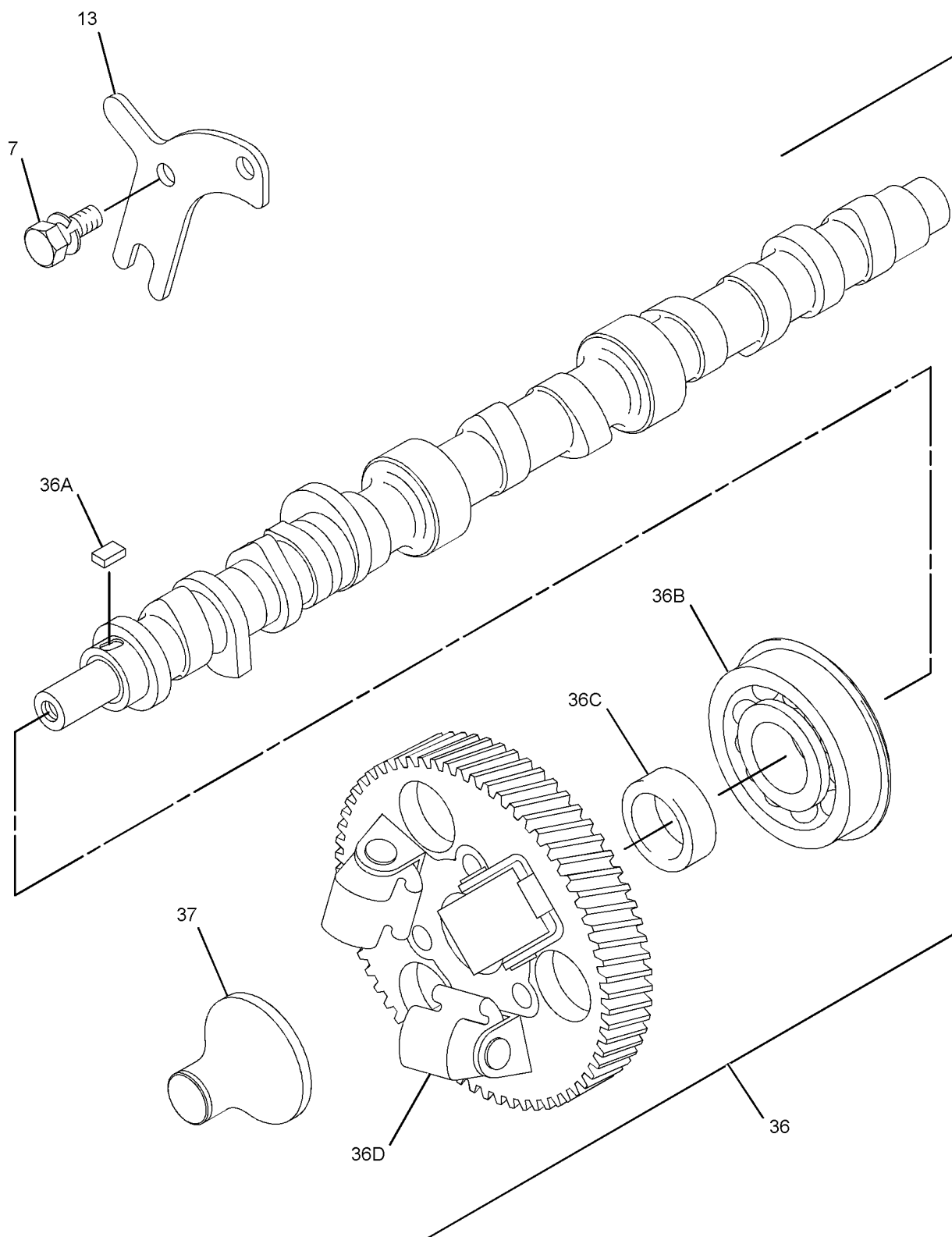
GRAPHIC #2

g01634774

BASIC ENGINE

321-4257 HOUSING GP - FRONT (contd.)

i03149560



GRAPHIC #3

<END>

g01634777

BASIC ENGINE

321-8207 HOUSING GP-FRONT

SMCS-1151, 1162, 1206

i03168324

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	2	5C-2890	1	NUT (M6X1-THD)	
	2	2	139-5511	1	CAP (TAMPER RESISTANT)	
	3	2	153-5592	1	NUT	
	4	1	153-5960	3	NUT	
	5	1	153-5962	4	BOLT	
	6	2, 4	153-6415	5	WASHER	
	7	3	153-6838	2	BOLT	
	8	4	153-6861	1	BOLT	
	9	2	153-7983	1	PIN	
	10	2	154-1403	1	SEAL-O-RING	
	11	1	154-1673	1	PIN	
	12	1	154-1675	1	SEAL	
	13	3	154-1680	1	PLATE	
	14	2	154-2715	1	WASHER	
	15	2	158-7936	2	BOLT	
	16	2	162-2207	1	NUT	
	17	1	165-2140	6	BOLT	
	18	2	183-3538	4	BOLT	
	19	4	217-5860	4	BOLT	
	20	2	217-7115	1	CAP (TAMPER RESISTANT)	
	21	4	232-0218	2	CLAMP	
	22	4	232-0290	1	CONNECTOR	
	23	1	308-1871	1	GASKET	
	24	1	308-1874	1	HOLDER	
	25	1	308-1875	3	SEAL-O-RING	
	26	2	308-1877	1	BRACKET	
	27	2	308-1878	1	GASKET	
	28	2	322-7491	1	ARM	
	29	2	308-1882	1	SPRING	
	30	2	308-1889	1	NUT	
	31	2	322-7493	1	LEVER-CONTROL	
	32	2	308-1892	1	NUT	
	33	2	308-1897	1	RING	
	34	2	308-1901	1	CAP	
	35	3	308-1902	1	CAMSHAFT AS	
35A	3	3	153-6492	1	KEY-WOODRUFF	
35B	3	3	154-4505	1	BEARING	
35C	3	3	308-1903	1	GEAR-CAMSHAFT (66-TEETH)	
35D	3	3	313-9323	1	SPACER	
	36	3	308-1904	1	SLIDER	
	37	2	308-4266	1	SHAFT	
	38	2	309-6728	1	SHAFT	
	39	2	309-6732	1	BOLT	
	40	2	311-0655	1	SPRING	
	41	2	313-5832	1	BOLT AS	
41A	2	2	153-7987	1	WASHER	
41B	2	2	191-9297	1	NUT	
41C	2	2	313-5833	1	SPRING	
	42	2	322-7492	1	LEVER-CONTROL	
	43	2	317-7195	1	SPRING	
	44	2, 4	321-4249	2	NUT	
	45	1	328-3226	1	HOUSING-FRONT	
	46	2	321-8209	1	SENSOR-SPEED (ENGINE TIMING)	
	47	2	321-8210	1	CAP AS-PROTECTION	
	48	4	321-8211	1	DIAPHRAGM	
	49	4	321-8212	1	COVER	
	50	4	321-8214	1	BOLT	
	51	4	321-8215	1	LEVER-STOP	

BASIC ENGINE

321-8207 HOUSING GP - FRONT (contd.)

i03168324

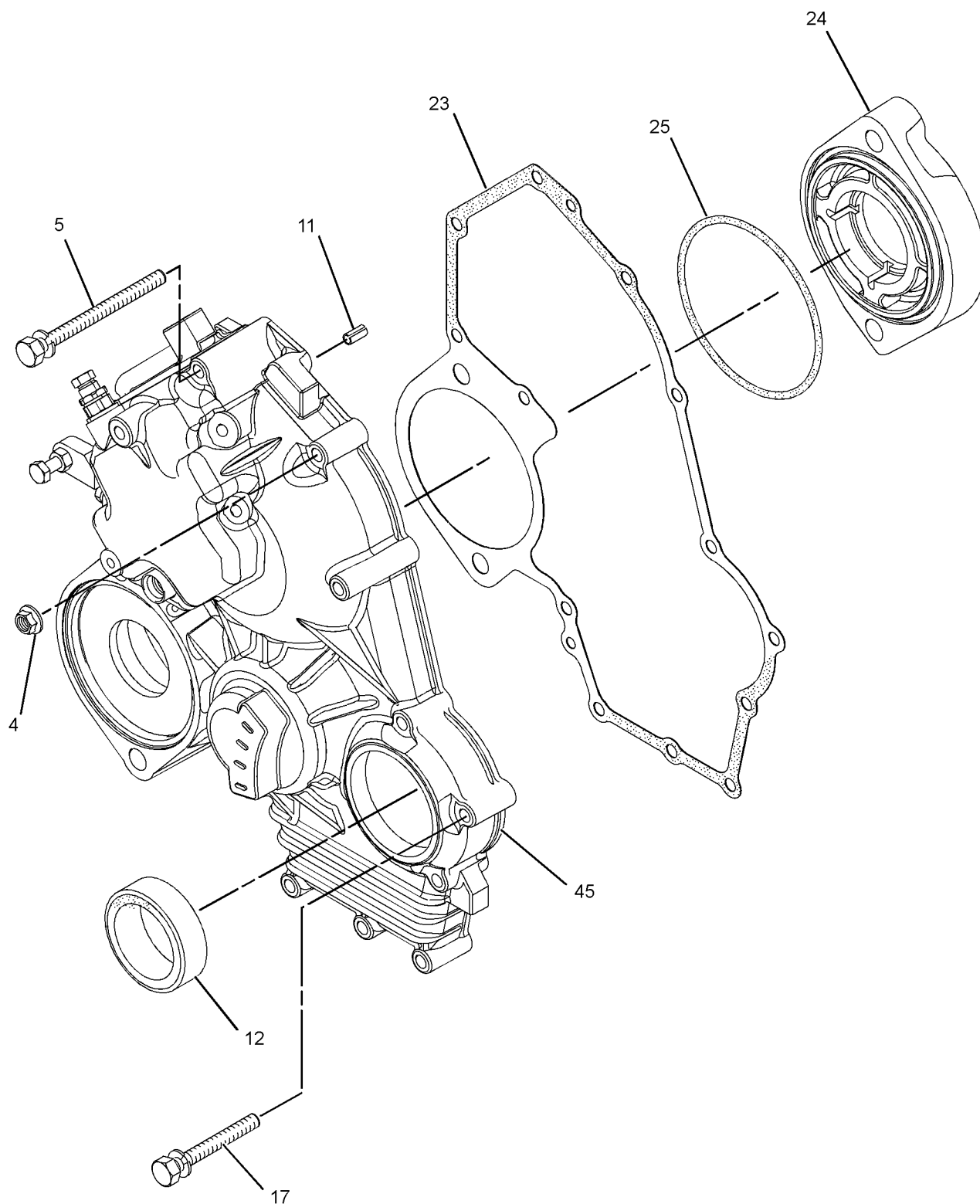
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	52	4	321-8216	1	TUBE						
	53	4	321-8217	1	BOLT						
	54	4	321-8218	1	HOSE						

M-METRIC PART

BASIC ENGINE

321-8207 HOUSING GP - FRONT (contd.)

i03168324



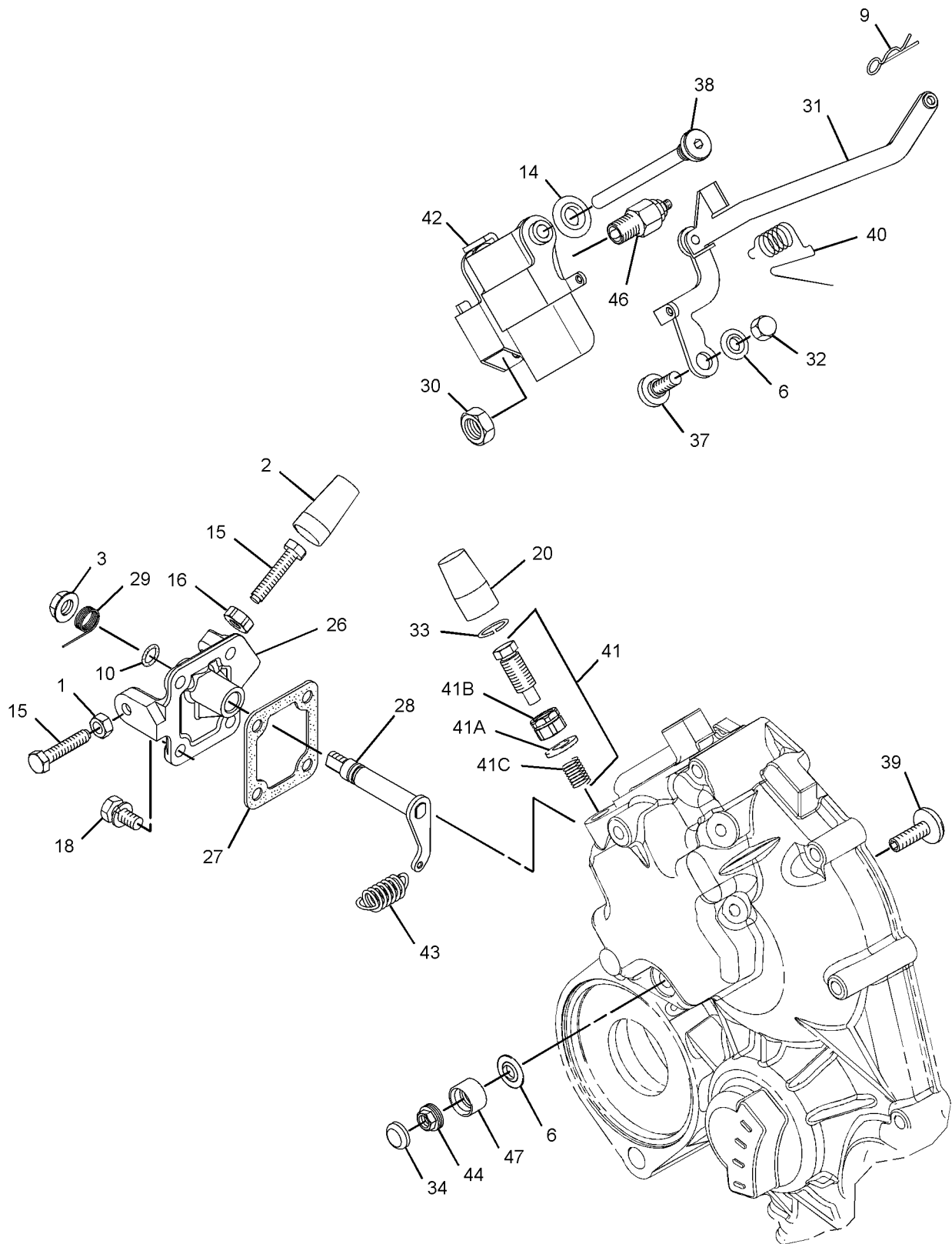
GRAPHIC #1

g01531407

BASIC ENGINE

321-8207 HOUSING GP - FRONT (contd.)

i03168324



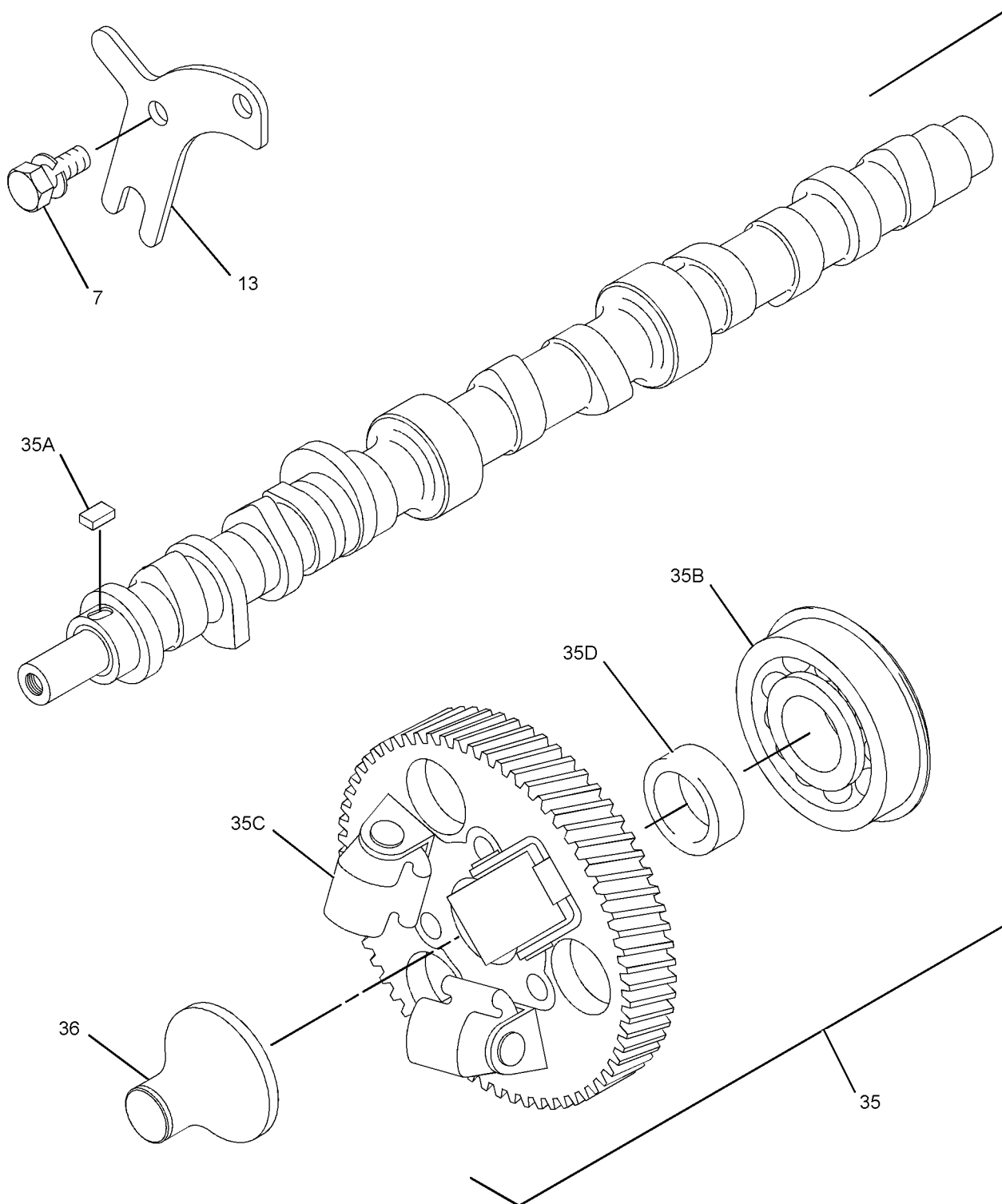
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g01531409

BASIC ENGINE

321-8207 HOUSING GP - FRONT (contd.)

i03168324



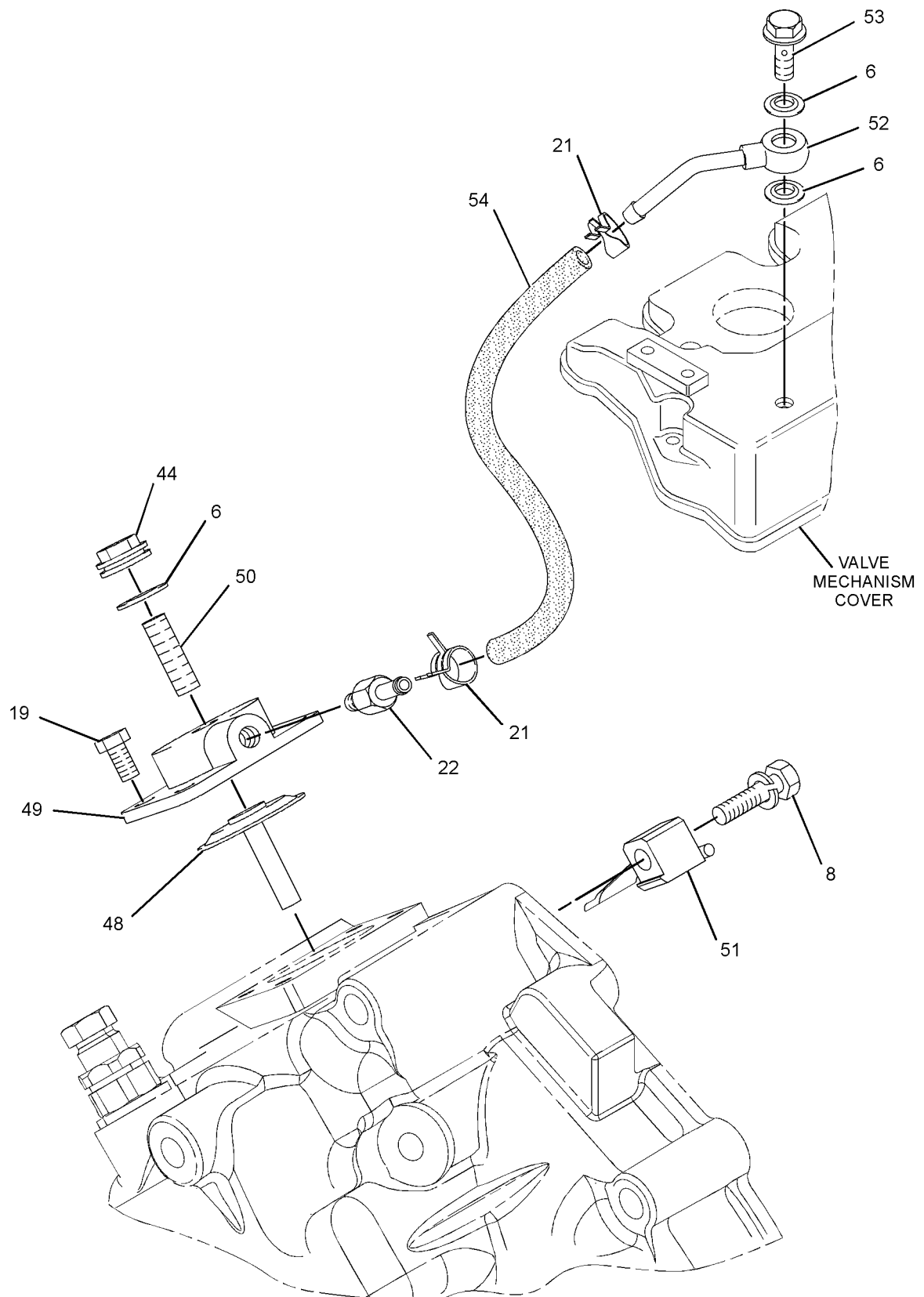
GRAPHIC #3

g01531411

BASIC ENGINE

321-8207 HOUSING GP - FRONT (contd.)

i03168324



GRAPHIC #4

<END>

g01531413

BASIC ENGINE

322-3074 HOUSING GP - FRONT

SMCS-1151, 1162, 1206

i02938837

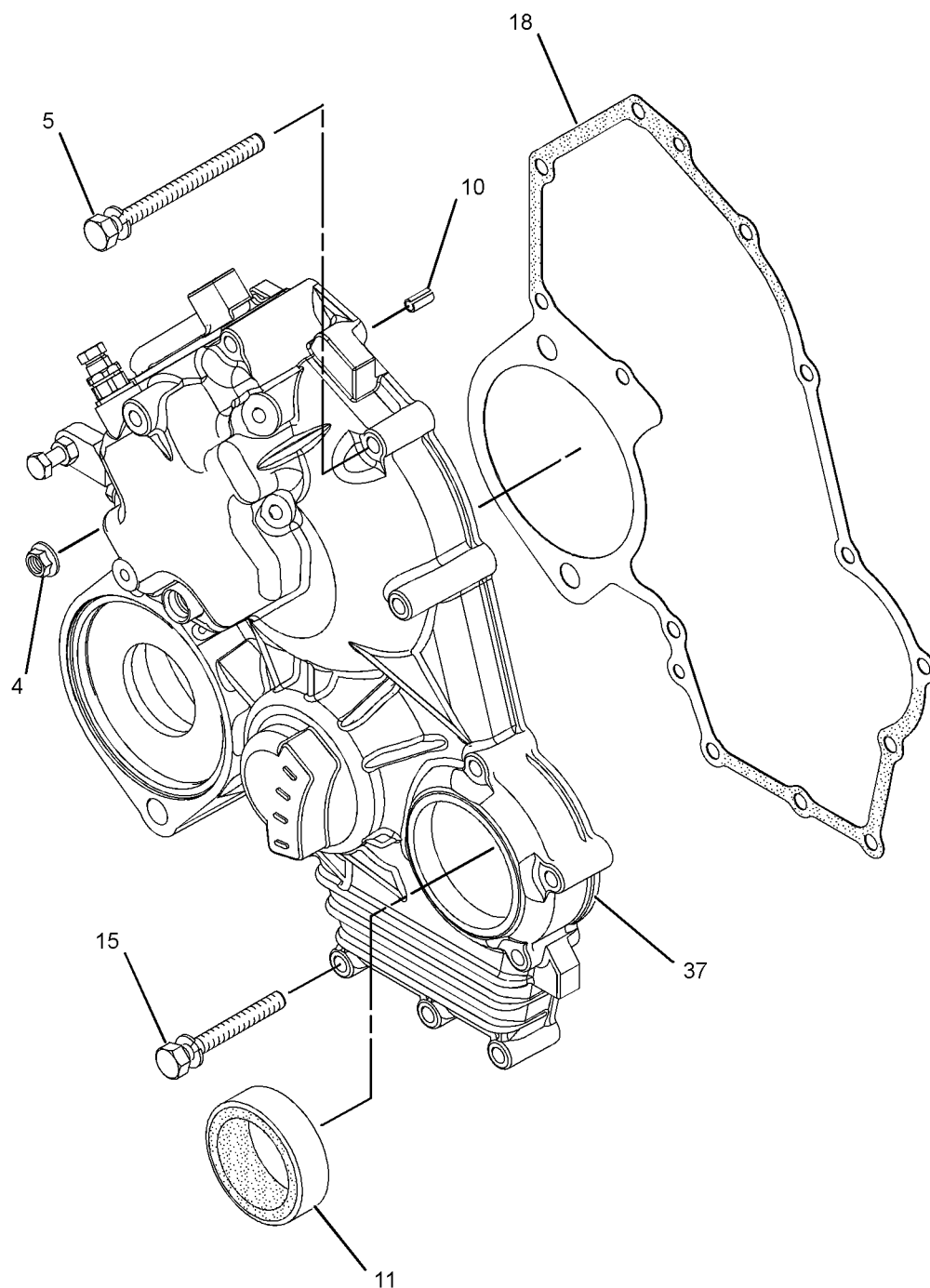
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	2	5C-2890	1	NUT (M6X1-THD)						
	2	2	139-5511	1	CAP (TAMPER RESISTANT)						
	3	2	153-5592	1	NUT						
	4	1	153-5960	2	NUT						
	5	1	153-5962	4	BOLT						
	6	2	153-6415	2	WASHER						
	7	3	153-6838	2	BOLT						
	8	2	153-7983	1	PIN						
	9	2	154-1403	1	SEAL-O-RING						
	10	1	154-1673	1	PIN						
	11	1	154-1675	1	SEAL						
	12	3	154-1680	1	PLATE						
M	13	2	8T-4971	2	BOLT (M6X1X30-MM)						
	14	2	162-2207	1	NUT						
	15	1	165-2140	6	BOLT						
	16	2	183-3538	4	BOLT						
	17	2	217-7115	1	CAP (TAMPER RESISTANT)						
	18	1	308-1871	1	GASKET						
	19	2	308-1877	1	BRACKET						
	20	2	308-1878	1	GASKET						
	21	2	308-1882	1	SPRING						
	22	2	308-1889	1	NUT						
	23	2	308-1892	1	NUT						
	24	2	308-1897	2	RING						
	25	2	308-1901	1	CAP						
	26	3	308-1904	1	SLIDER						
	27	2	308-4266	1	SHAFT						
	28	2	309-6728	1	SHAFT						
	29	2	309-6729	1	SEAL-O-RING						
	30	2	309-6732	1	BOLT						
	31	3	309-6733	1	CAMSHAFT AS						
	31A	3	153-6492	1	KEY-WOODRUFF						
	31B	3	154-4505	1	BEARING						
	31C	3	308-1903	1	GEAR-CAMSHAFT (66-TEETH)						
	31D	3	313-9323	1	SPACER						
	32	2	311-0655	1	SPRING						
	33	2	313-5832	1	BOLT AS						
	33A	2	153-7987	1	WASHER						
	33B	2	191-9297	1	NUT						
	33C	2	313-5833	1	SPRING						
	34	2	317-7195	1	SPRING						
	35	2	319-3252	1	SENSOR-SPEED						
	36	2	321-4249	1	NUT						
	37	1	322-7490	1	HOUSING-FRONT						
	38	2	322-7492	1	LEVER-CONTROL						
	39	2	322-7493	1	LEVER-CONTROL						
	40	2	332-1361	1	CAP-PROTECTION						
	41	2	334-0732	1	ARM						

M-METRIC PART

BASIC ENGINE

322 - 3074 HOUSING GP - FRONT (contd.)

i02938837



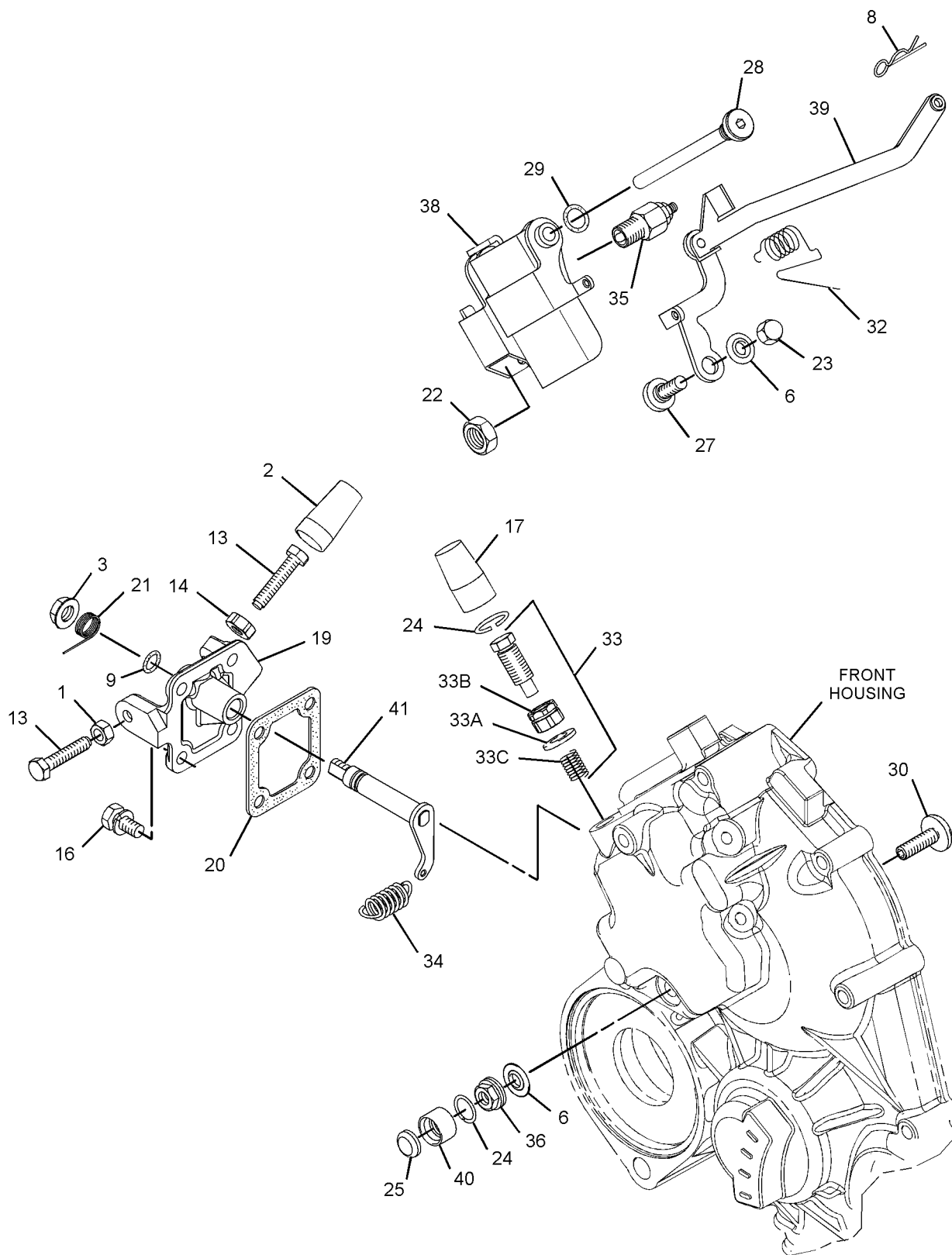
GRAPHIC #1

g01635382

BASIC ENGINE

322 - 3074 HOUSING GP - FRONT (contd.)

i02938837



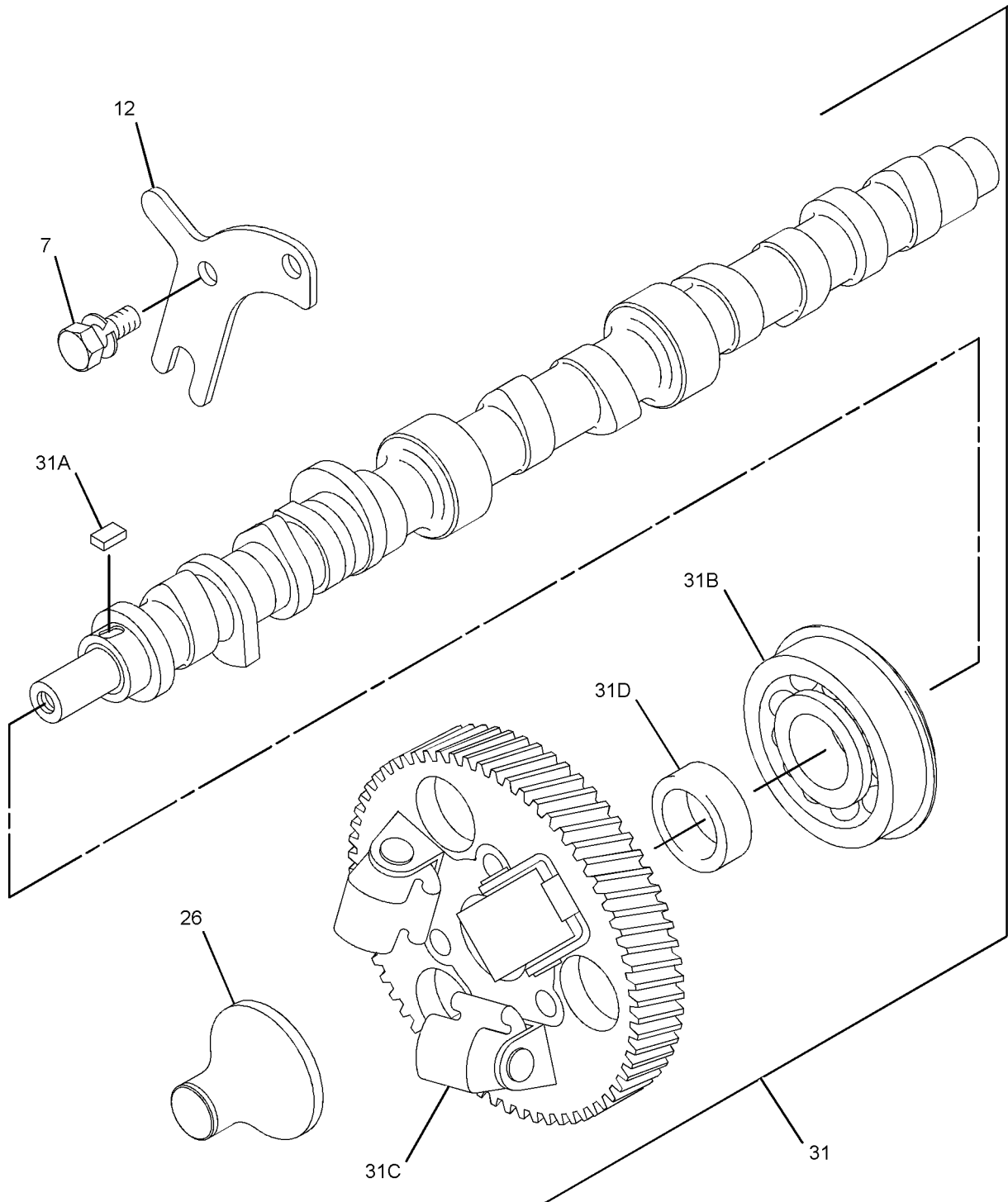
GRAPHIC #2

g01635384

BASIC ENGINE

322 - 3074 HOUSING GP - FRONT (contd.)

i02938837



GRAPHIC #3

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g01635385

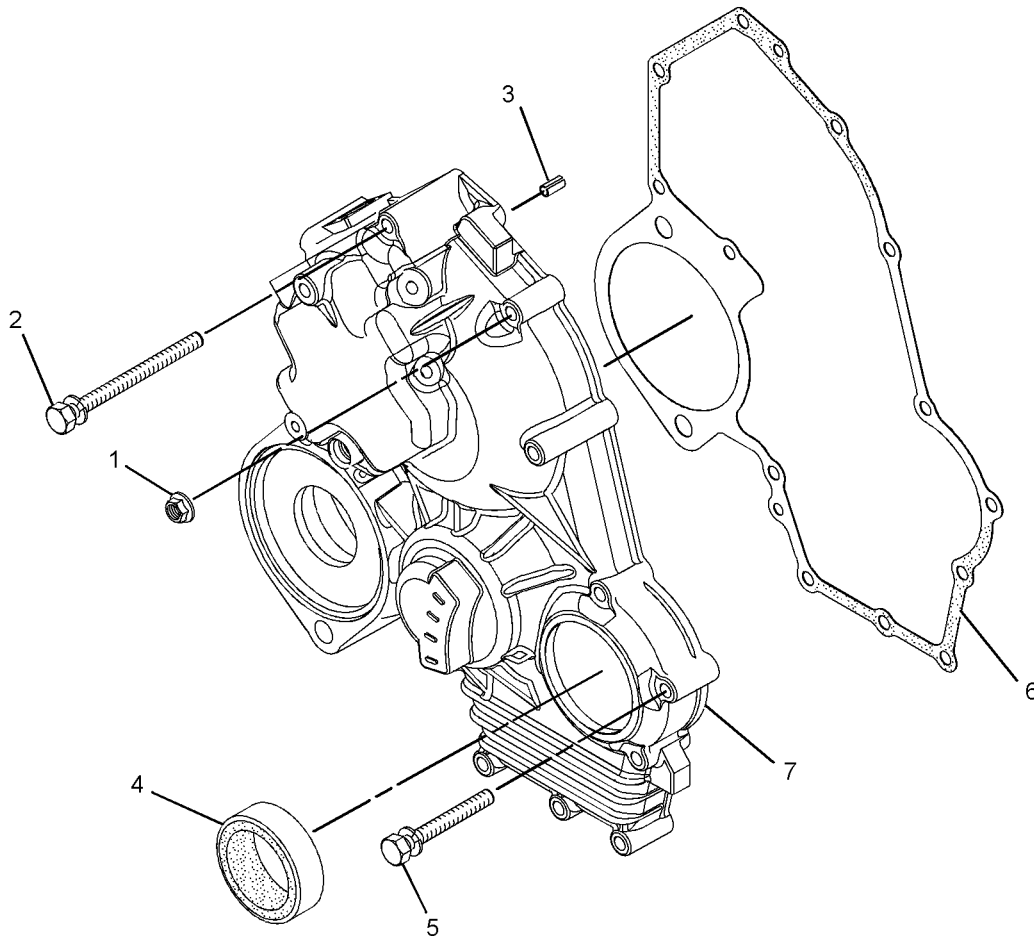
BASIC ENGINE

323-9145 HOUSING GP - FRONT

SMCS-1151, 1162, 1206

i02959288

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5960	2	NUT						
	2	1	153-5962	4	BOLT						
	3	1	154-1673	1	PIN						
	4	1	154-1675	1	SEAL						
	5	1	165-2140	7	BOLT						
	6	1	308-1871	1	GASKET						
	7	1	328-3226	1	HOUSING - FRONT						



GRAPHIC #1

<END>

g01646598

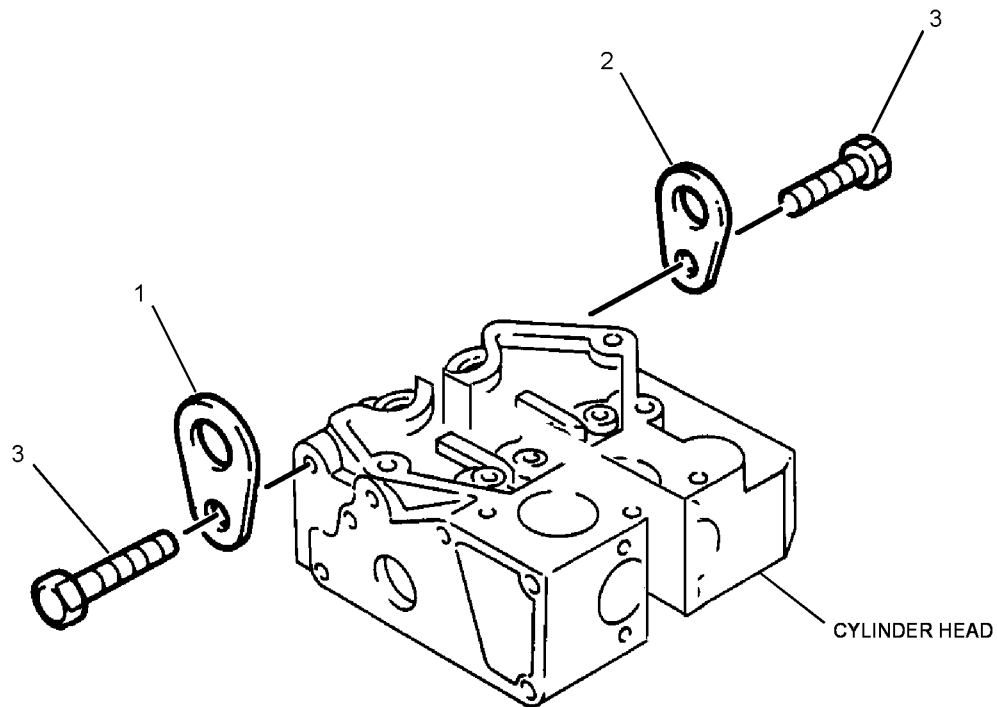
BASIC ENGINE

154-1877 LIFTING GP-ENGINE

SMCS-1122

i03082403

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	191-0573	1	PLATE						
	2	1	191-0574	1	PLATE						
	3	1	153-6375	2	BOLT						



GRAPHIC #1

<END>

g01154198

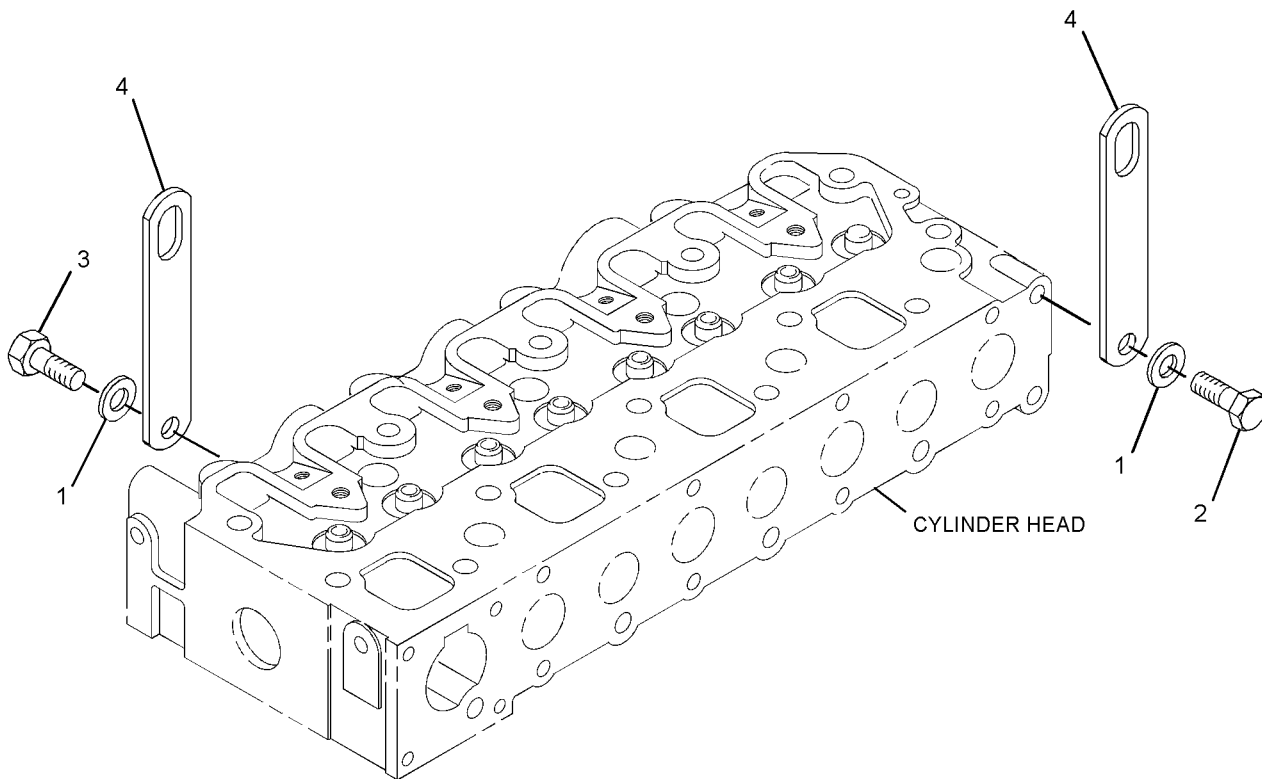
BASIC ENGINE

308-2315 LIFTING GP-ENGINE

SMCS-1122

i02752302

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	155-7984	2	WASHER						
	2	1	165-2141	1	BOLT						
	3	1	168-9001	1	BOLT						
	4	1	236-4128	2	PLATE-LIFTING						



GRAPHIC #1

<END>

g01414974

BASIC ENGINE

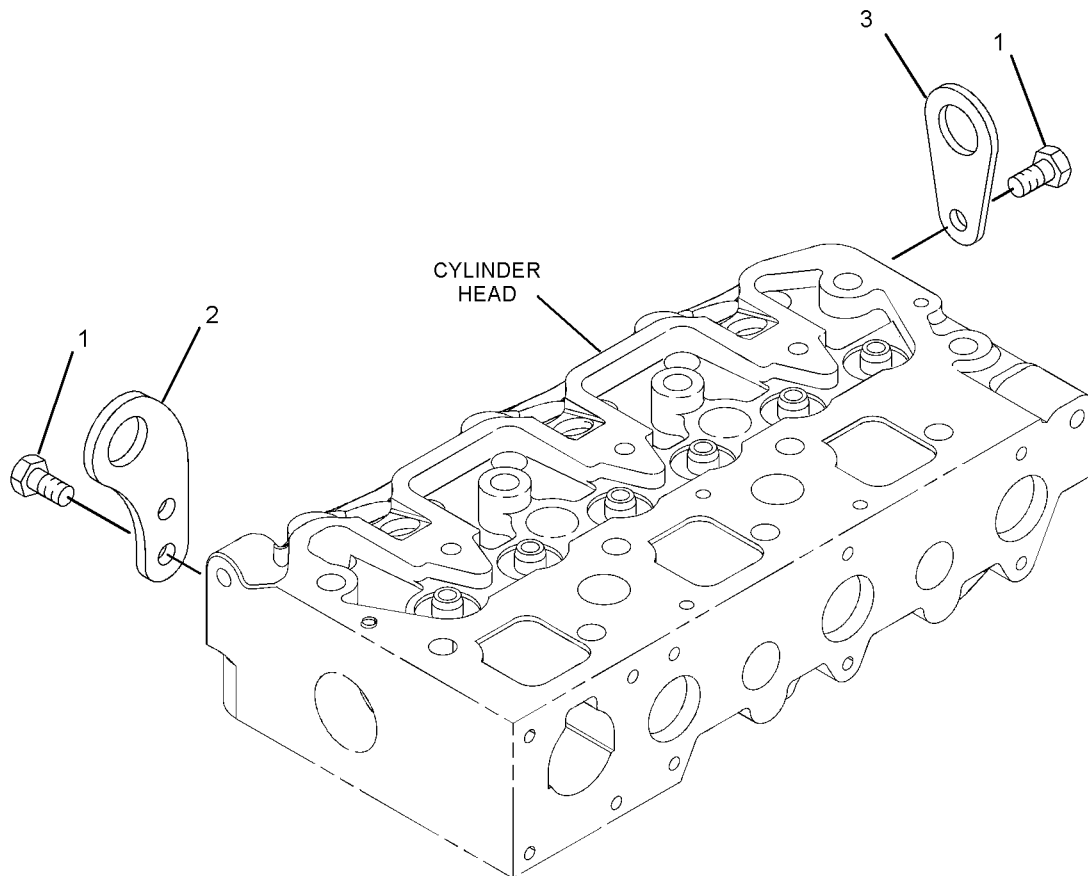
309-6725 LIFTING GP-ENGINE

TYPE 1

SMCS-1122

i02859882

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6375	3	BOLT						
	2	1	309-6737	1	EYE-LIFTING						
	3	1	153-6374	1	PLATE						



GRAPHIC #1

<END>

g01389556

BASIC ENGINE

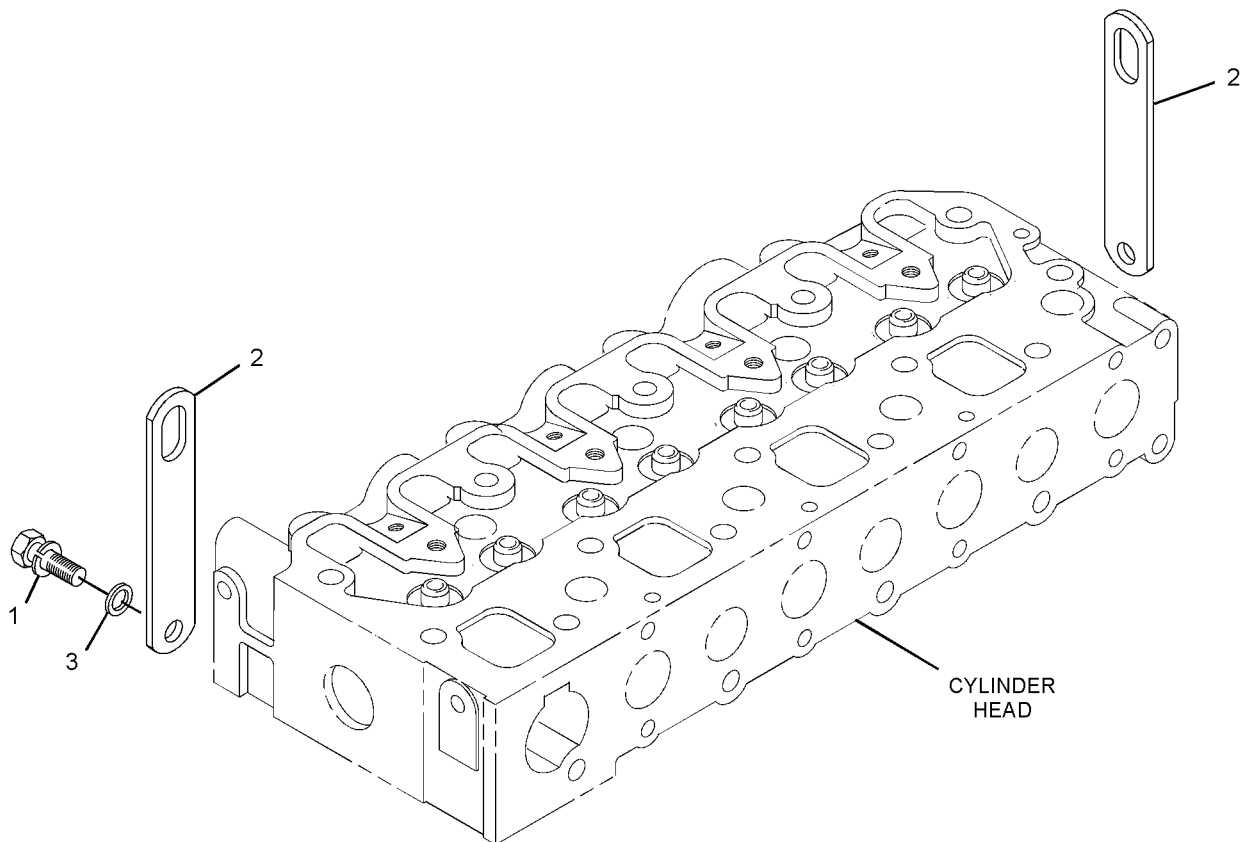
309-6725 LIFTING GP-ENGINE

TYPE 2

SMCS-1122

i02889533

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
C	1	1	165-2141	1	BOLT						
C	2	1	236-4128	2	PLATE-LIFTING						
C	3	1	155-7984	1	WASHER						
C- CHANGE FROM PREVIOUS TYPE											



GRAPHIC #1

<END>

g01440284

BASIC ENGINE

238-8189 PAN GP-OIL

SMCS-1302

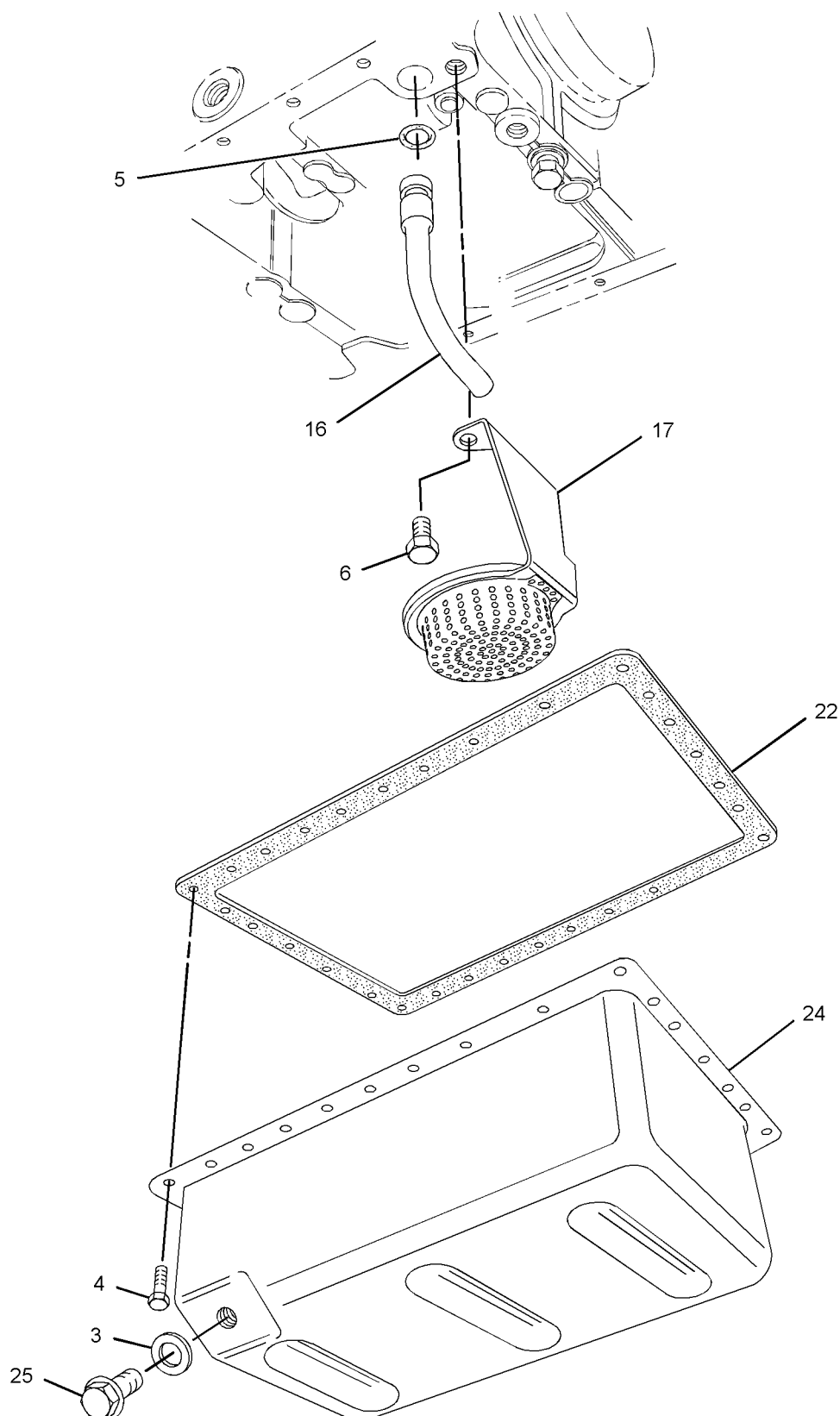
i03200750

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	153-5933	1	SEAL (ENGINE OIL FILL CAP)	
	2	3	153-5936	2	WASHER	
	3	1	153-6412	2	WASHER	
	4	1, 2	153-6833	31	BOLT	
	5	1	153-6835	1	SEAL-O-RING	
	6	1	153-6838	2	BOLT	
	7	2	153-6841	2	SEAL-O-RING	
	8	3	153-6848	1	COVER	
	9	3	153-6849	1	SPRING	
	10	3	153-6850	1	COLLAR	
	11	3	153-6851	1	CLIP	
	12	3	153-6853	1	SEAL-O-RING	
	13	3	153-6881	1	BOLT	
	14	3	296-5162	1	ROTOR	
	15	3	154-1942	1	VALVE-RELIEF (ENGINE OIL PRESSURE)	
	16	1	293-4786	1	PIPE-SUCTION	
	17	1	154-1948	1	STRAINER (OIL PAN) (ENGINE)	
	18	3	154-2353	1	TUBE AS-OIL	
B	19	3	160-4150	1	SHIM (0.1-MM THK)	
B		3	160-4151	1	SHIM (0.15-MM THK)	
B		3	160-4152	1	SHIM (0.2-MM THK)	
B		3	160-4153	1	SHIM (0.5-MM THK)	
	20	2	180-6118	1	BOLT	
	21	2	209-7088	1	TUBE AS-GAUGE	
	22	1	215-2605	1	GASKET	
	23	2	217-7358	1	CAP-OIL FILLER (ENGINE)	
	24	1	218-2333	1	PAN-OIL	
	25	1	218-2334	2	PLUG-DRAIN (ENGINE OIL PAN)	
	26	2	228-7472	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
B-USE AS REQUIRED						

BASIC ENGINE

238-8189 PAN GP-OIL (contd.)

i03200750



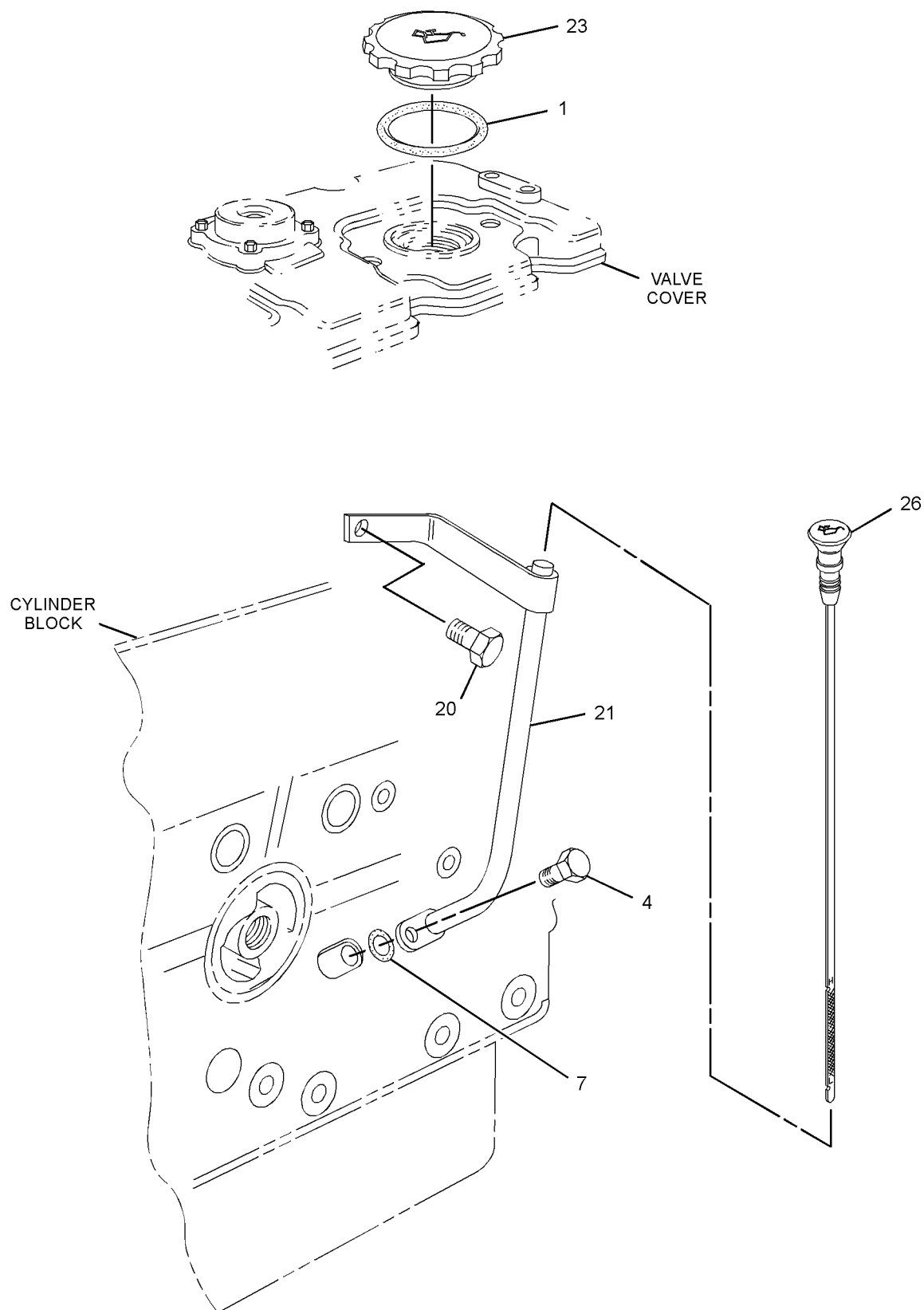
GRAPHIC #1

g01426006

BASIC ENGINE

238-8189 PAN GP-OIL (contd.)

i03200750



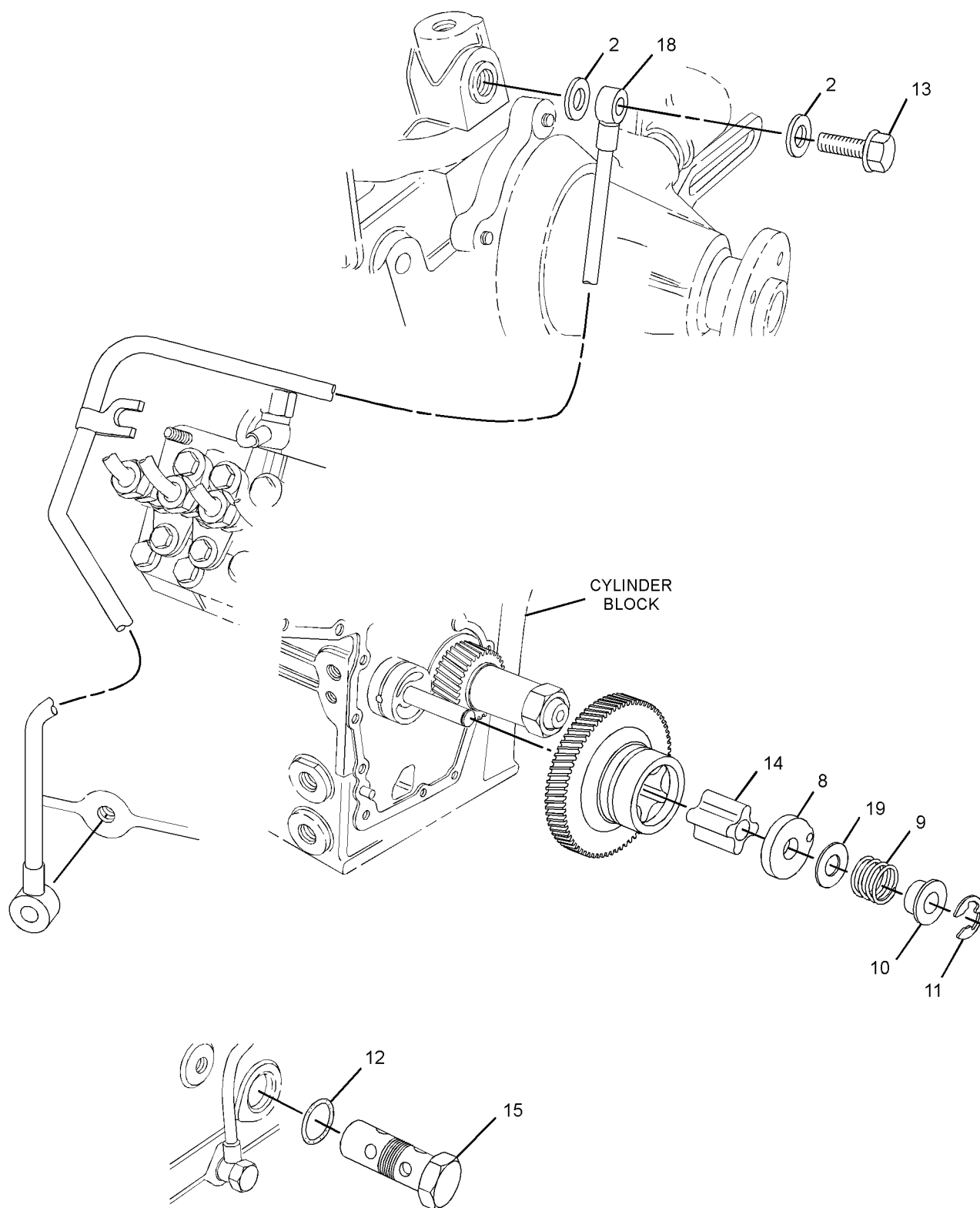
GRAPHIC #2

g01426008

BASIC ENGINE

238-8189 PAN GP-OIL (contd.)

i03200750



GRAPHIC #3

<END>

g01426010

BASIC ENGINE

308-2295 PAN GP-OIL

SMCS-1302

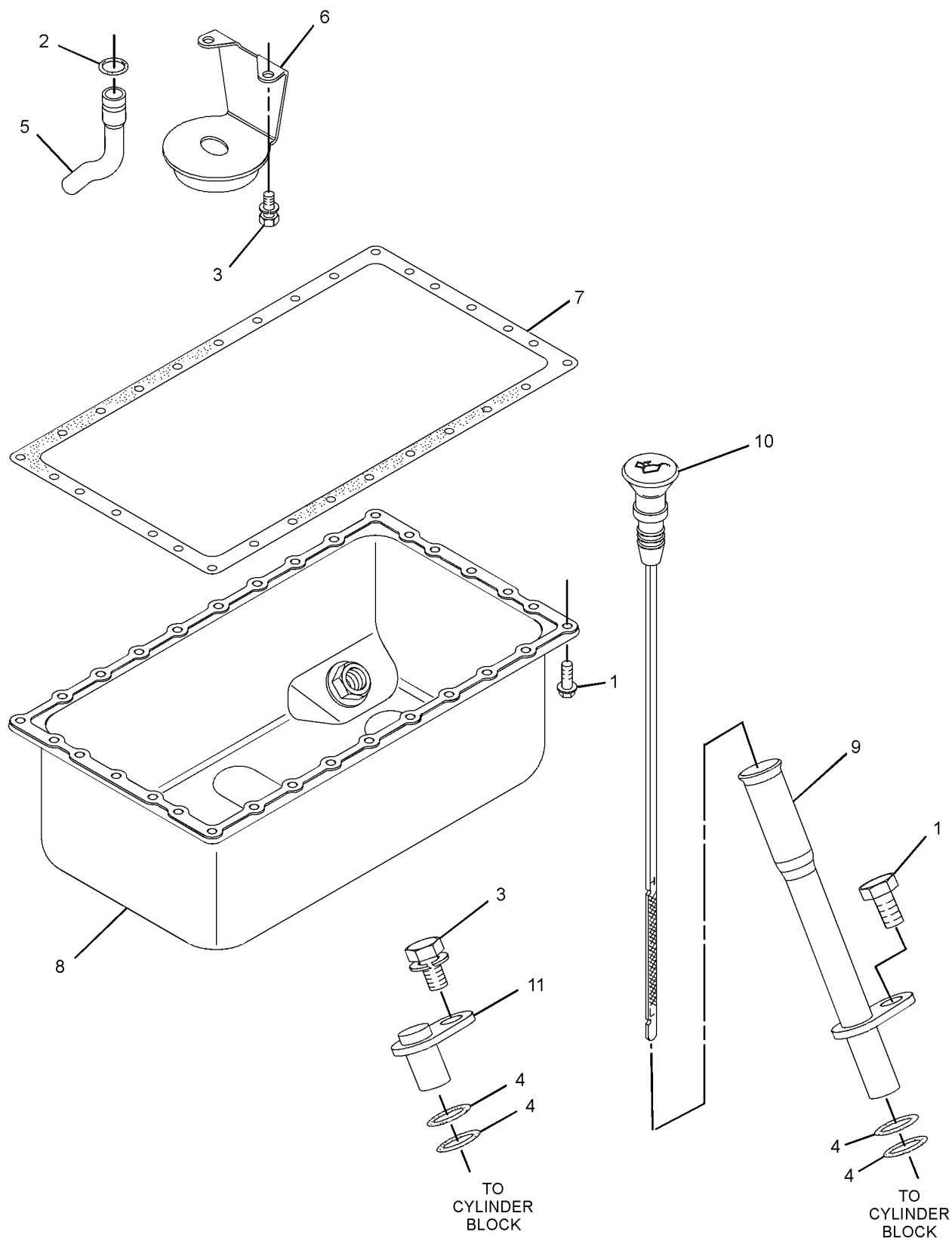
i03200747

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6833	31	BOLT						
	2	1	153-6835	1	SEAL-O-RING						
	3	1	153-6838	3	BOLT						
	4	1	153-6841	4	SEAL-O-RING						
	5	1	154-1947	1	PIPE-OIL						
	6	1	154-1948	1	STRAINER (OIL PAN) (ENGINE)						
	7	1	215-2605	1	GASKET						
	8	1	218-2333	1	PAN-OIL						
	9	1	229-5150	1	TUBE AS						
	10	1	229-5151	1	GAUGE-OIL LEVEL (DIPSTICK) (ENGINE)						
	11	1	319-7366	1	PLUG						

BASIC ENGINE

308-2295 PAN GP-OIL (contd.)

i03200747



GRAPHIC #1

<END>

g01528313

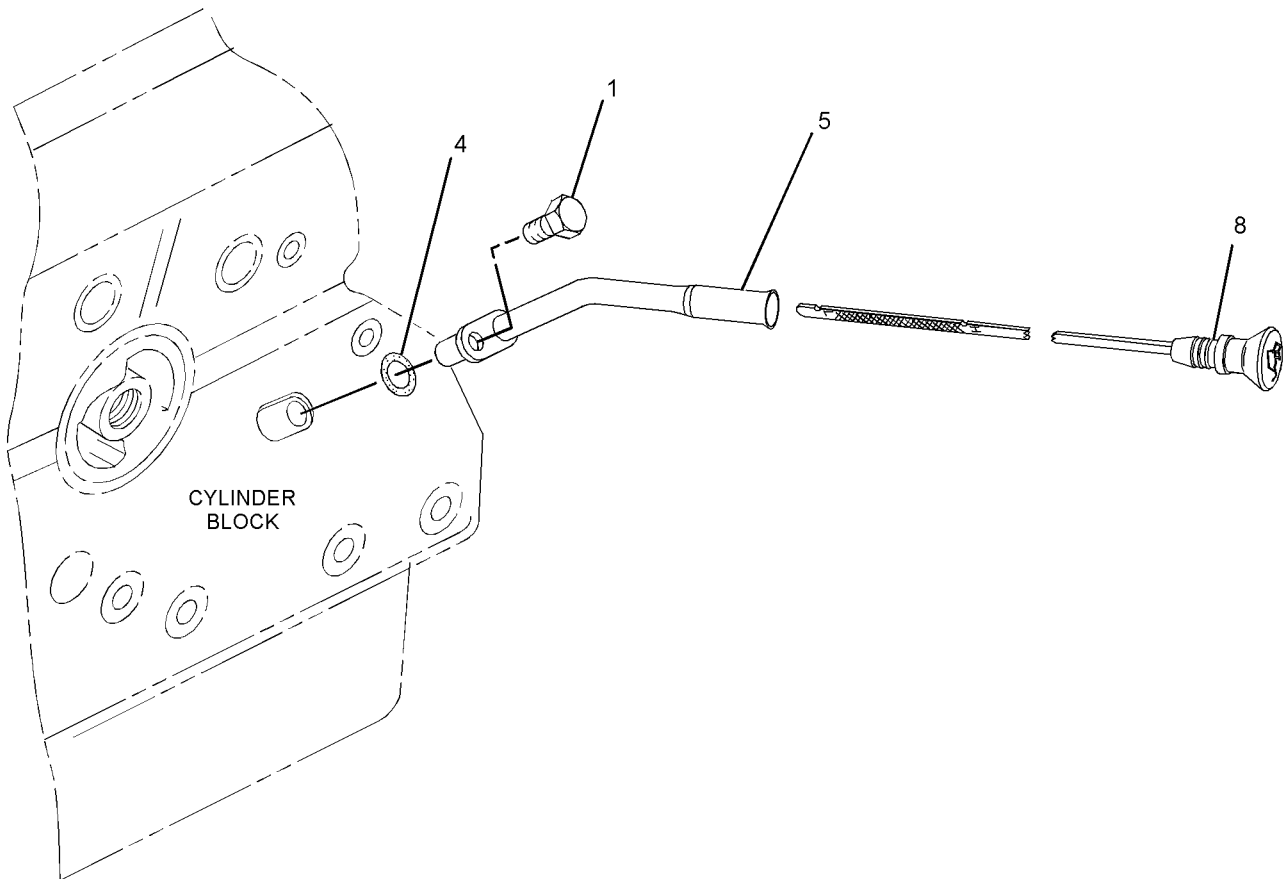
BASIC ENGINE

311-1886 PAN GP-OIL

SMCS-1302

i03104791

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1, 2	153-6833	31	BOLT						
	2	2	153-6835	1	SEAL-O-RING						
	3	2	153-6838	3	BOLT						
	4	1, 2	153-6841	4	SEAL-O-RING						
	5	1	209-7084	1	TUBE AS-GAUGE						
	6	2	215-2605	1	GASKET						
	7	2	218-2333	1	PAN-OIL						
	8	1	236-3983	1	GAUGE-OIL LEVEL (DIPSTICK) (ENGINE)						
	9	2	305-0584	1	STRAINER (ENGINE OIL)						
	10	2	316-2275	1	TUBE-OIL SUCTION						
	11	2	319-7366	1	PLUG						



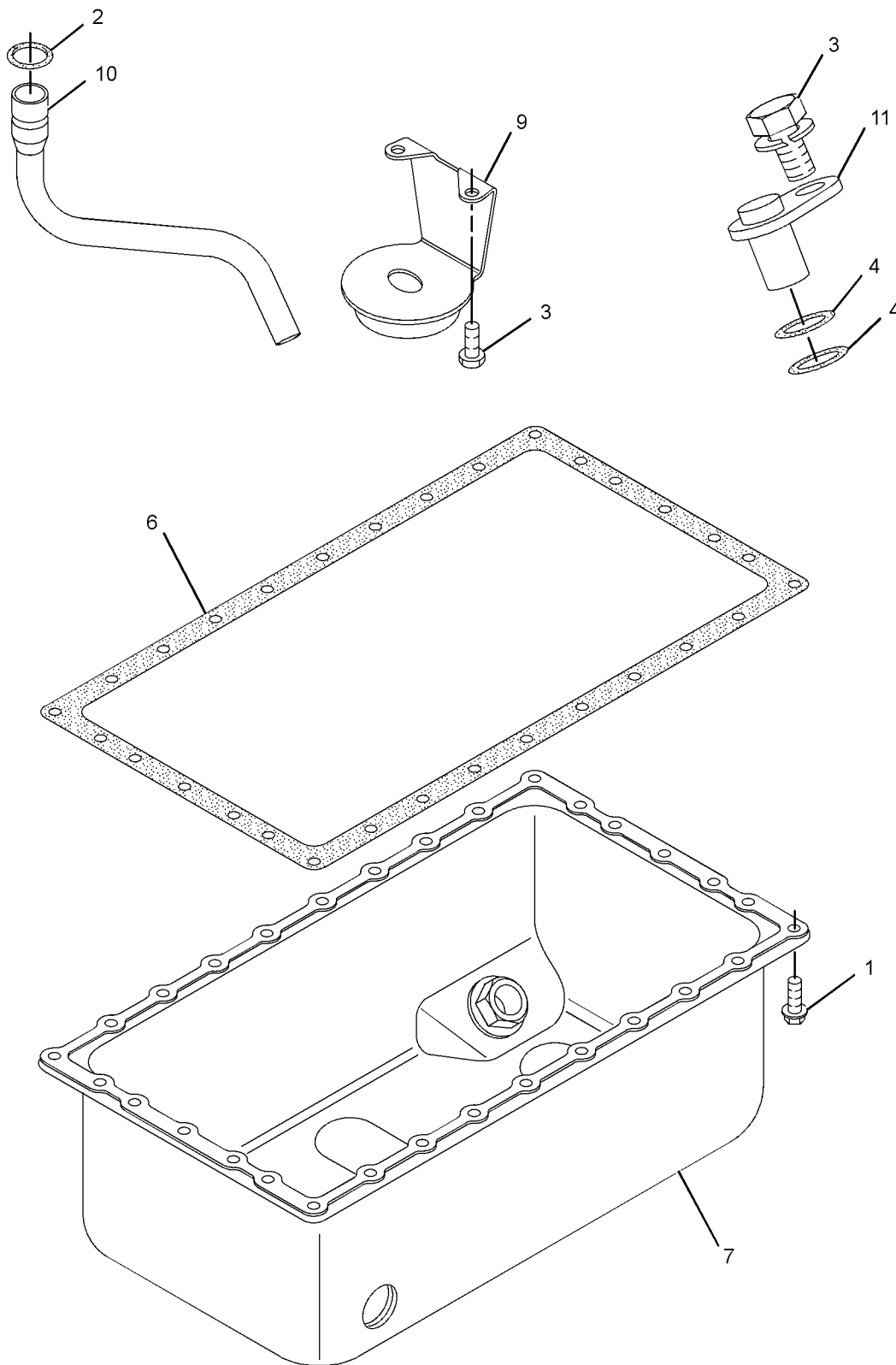
GRAPHIC #1

g01636233

BASIC ENGINE

311-1886 PAN GP-OIL (contd.)

i03104791



GRAPHIC #2

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g01636234

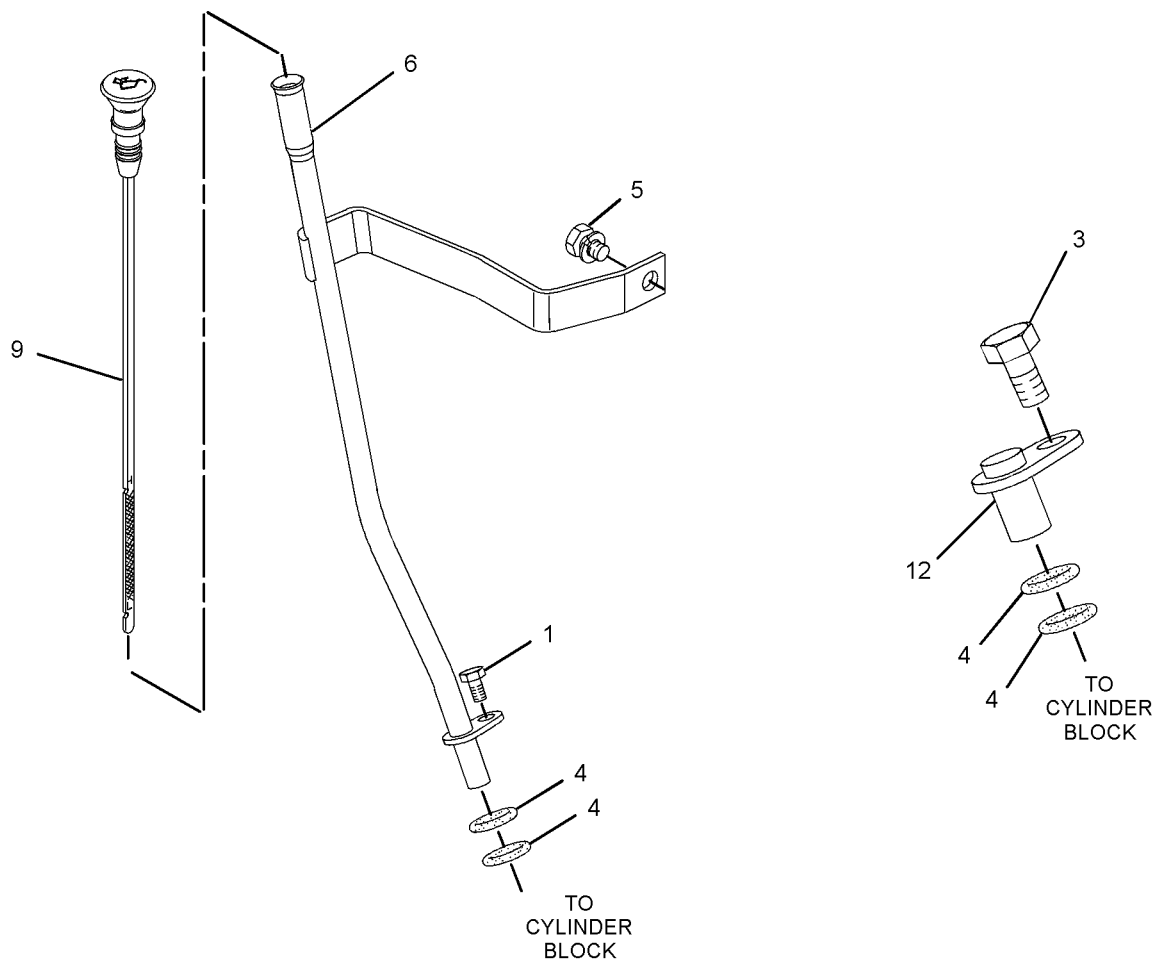
BASIC ENGINE

317-3037 PAN GP-OIL

SMCS-1302

i02888559

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1, 2	153-6833	31	BOLT						
	2	2	153-6835	1	SEAL-O-RING						
	3	1, 2	153-6838	3	BOLT						
	4	1	153-6841	4	SEAL-O-RING						
	5	1	180-6118	1	BOLT						
	6	1	209-7088	1	TUBE AS-GAUGE						
	7	2	215-2605	1	GASKET						
	8	2	218-2333	1	PAN-OIL						
	9	1	228-7472	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)						
	10	2	305-0584	1	STRAINER (ENGINE OIL)						
	11	2	316-2275	1	TUBE-OIL SUCTION						
	12	1	319-7366	1	PLUG						



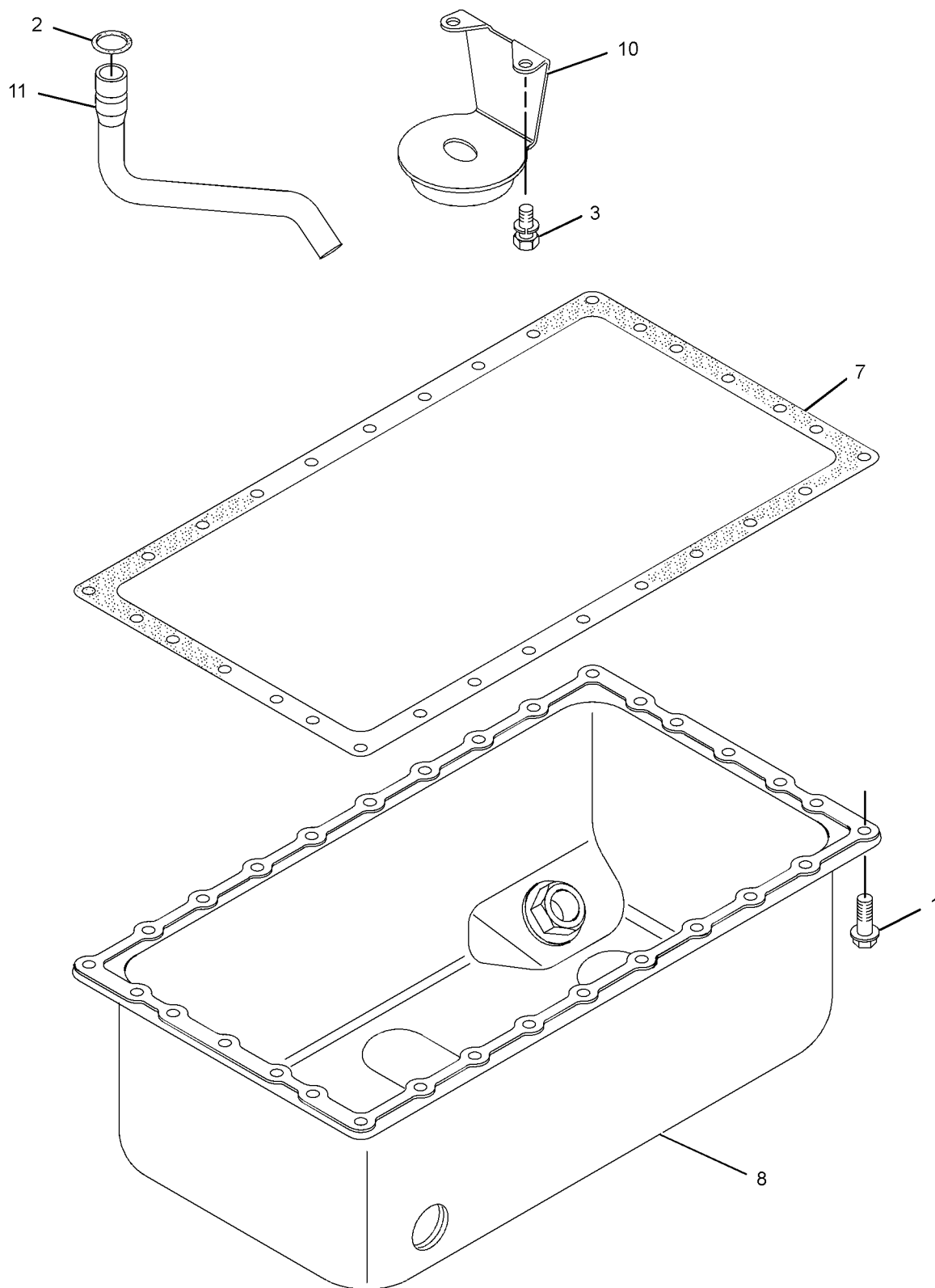
GRAPHIC #1

g01639954

BASIC ENGINE

317-3037 PAN GP-OIL (contd.)

i02888559



GRAPHIC #2

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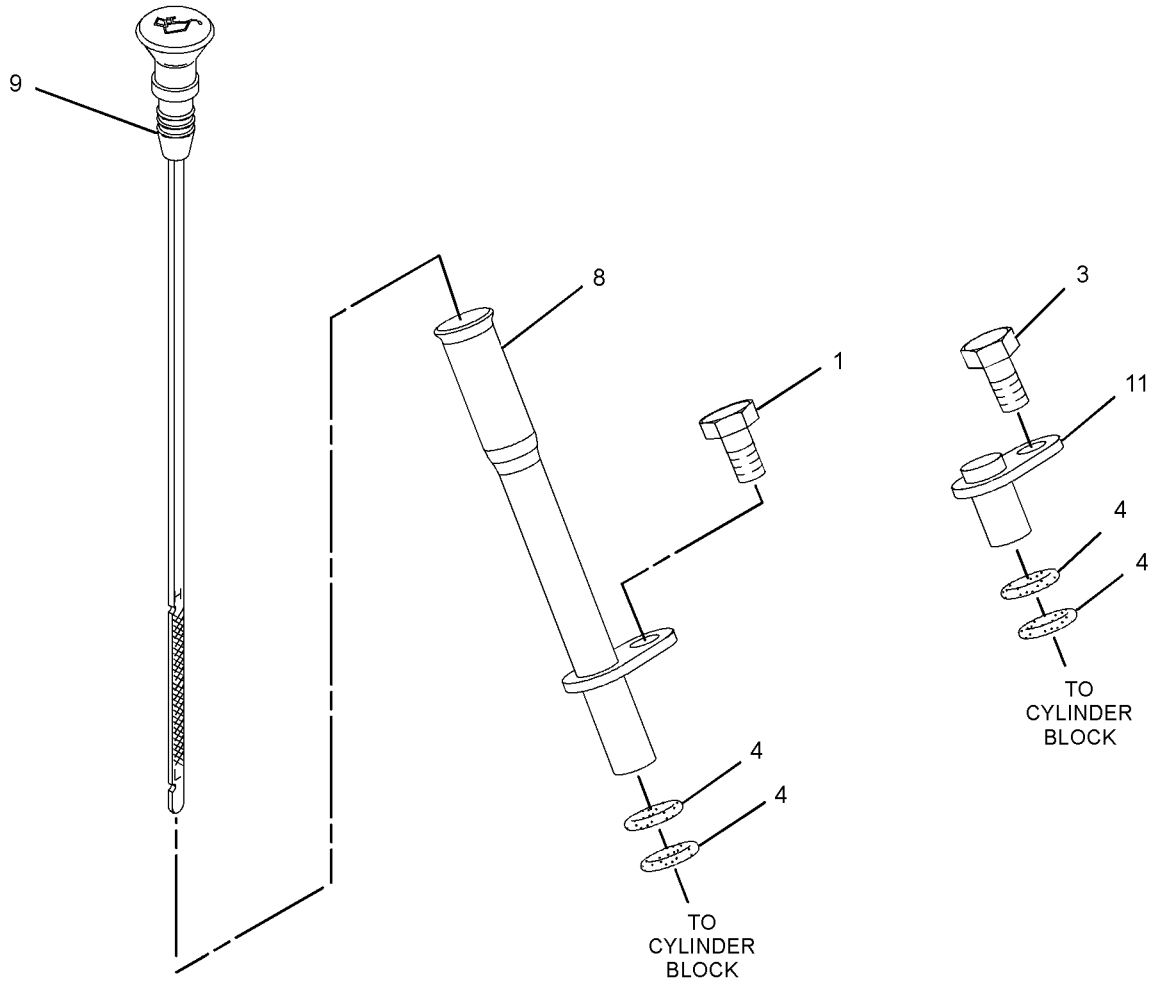
BASIC ENGINE

322-2416 PAN GP-OIL

SMCS-1302

i02908398

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1, 2	153-6833	31	BOLT						
	2	2	153-6835	1	SEAL-O-RING						
	3	1, 2	153-6838	3	BOLT						
	4	1	153-6841	4	SEAL-O-RING						
	5	2	288-8814	1	PIPE-OIL						
	6	2	288-8813	1	STRAINER (OIL PAN)						
	7	2	215-2605	1	GASKET						
	8	1	229-5150	1	TUBE AS (GAUGE)						
	9	1	229-5151	1	GAUGE-OIL LEVEL (DIPSTICK) (ENGINE)						
	10	2	288-8812	1	PAN (OIL)						
	11	1	319-7366	1	PLUG						



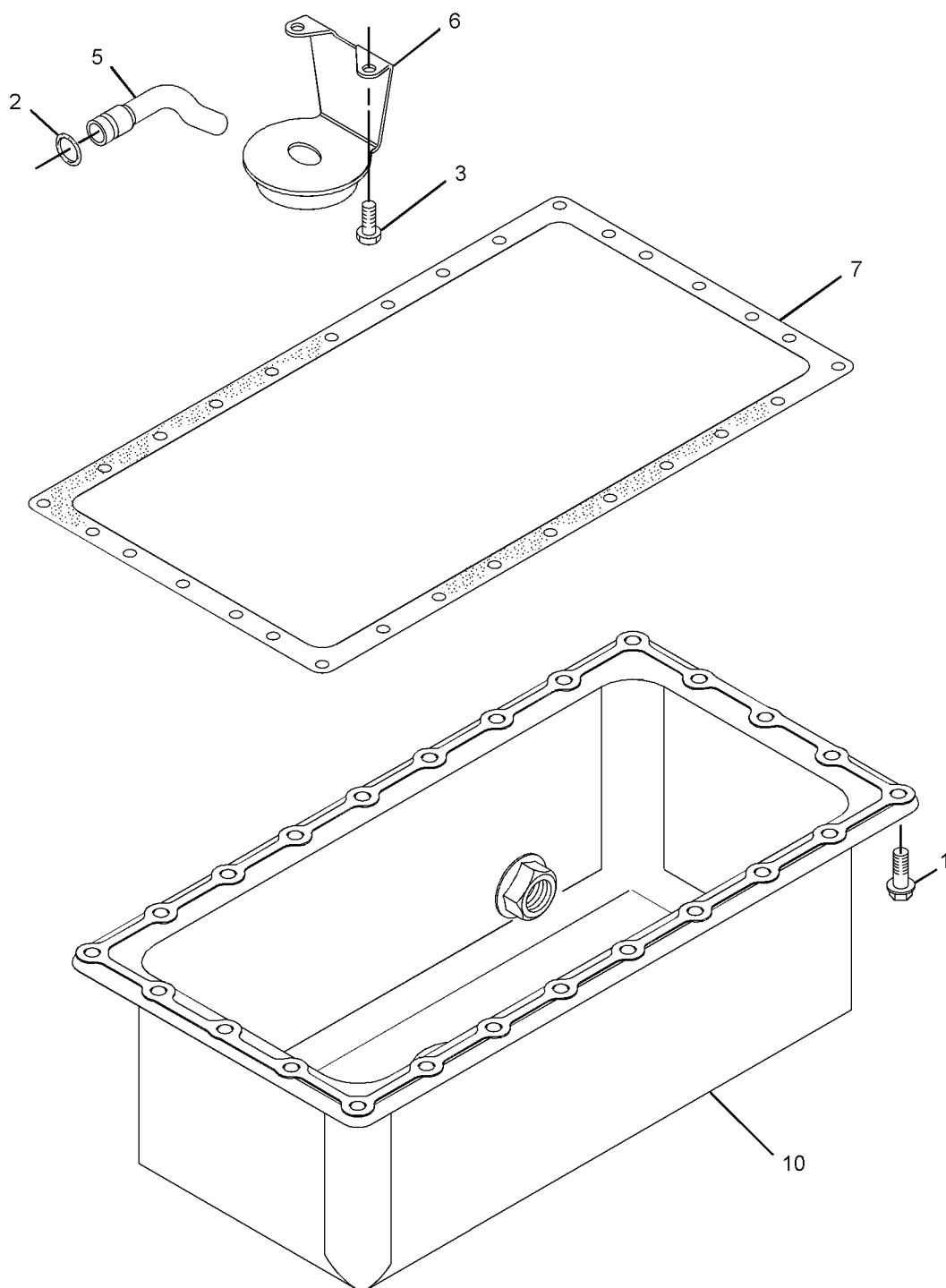
GRAPHIC #1

g01640340

BASIC ENGINE

322-2416 PAN GP-OIL (contd.)

i02908398



GRAPHIC #2

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g01640342

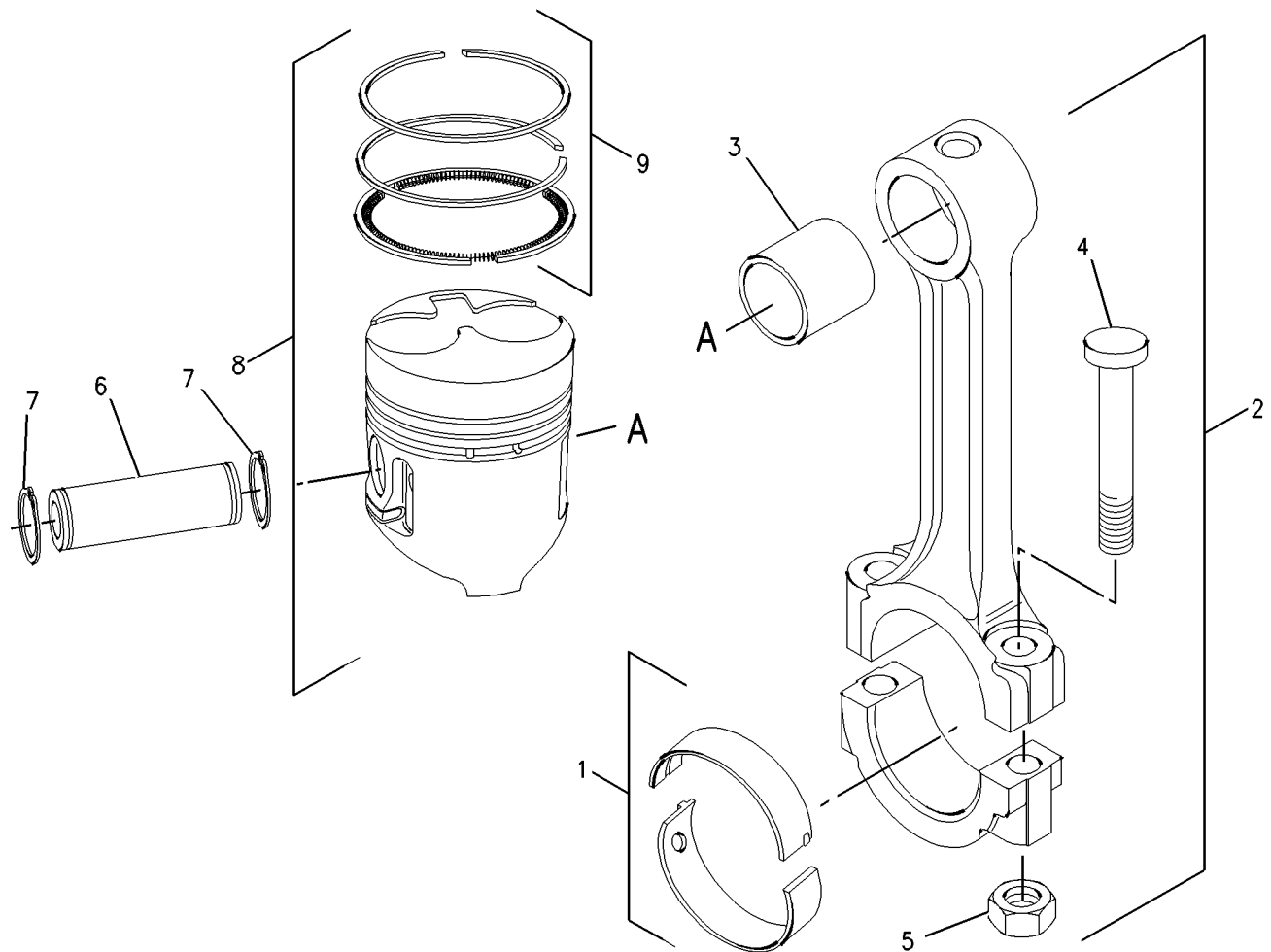
217-1480 PISTON & ROD GP

SMCS - 1225

i03082421

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	146-7808	1	KIT-BEARING (ROD)						
AB		1	307-9855	1	KIT-BEARING (ROD) (0.25-MM OS)						
AB		1	307-9856	1	KIT-BEARING (ROD) (0.50-MM OS)						
	2	1	154-0867	4	ROD AS-CONNECTING						
					(EACH INCLUDES)						
	3	1	154-0869	1	BUSHING						
	4	1	154-0870	2	BOLT						
	5	1	154-0871	2	NUT						
	6	1	154-0873	4	PIN						
	7	1	154-0874	8	CLIP						
	8	1	297-3080	4	PISTON AS						
					(EACH INCLUDES)						
	9	1	217-1456	1	KIT-PISTON RING						
					(EACH KIT INCLUDES COMPLETE SET OF RINGS FOR ONE PISTON)						

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



GRAPHIC #1

<END>

g00852672

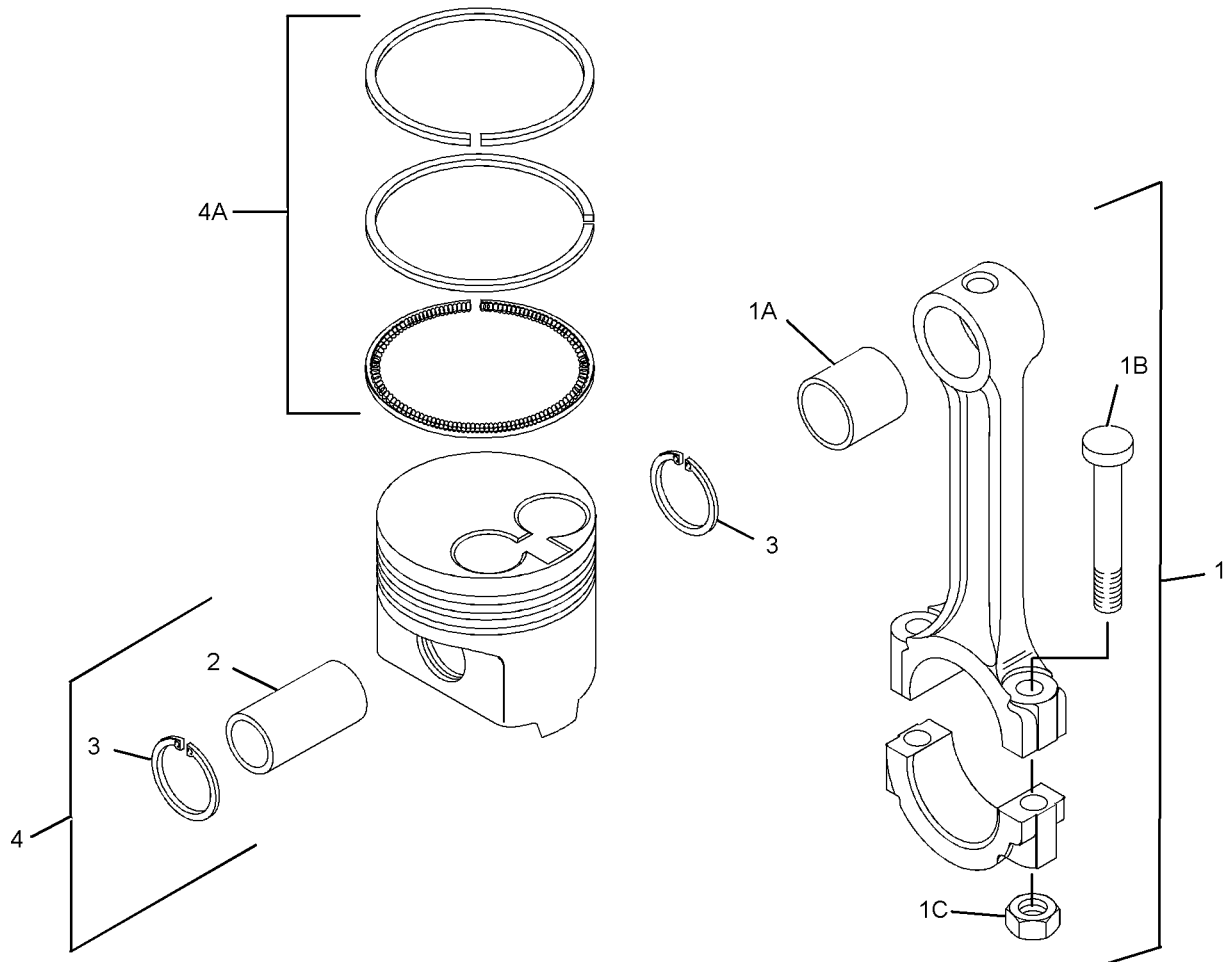
BASIC ENGINE

308-2286 PISTON & ROD GP

SMCS-1225

i02752165

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	154-0867	4	ROD AS-CONNECTING	
					(EACH INCLUDES)	
	1A	1	154-0869	1	BUSHING	
	1B	1	154-0870	2	BOLT	
	1C	1	154-0871	2	NUT	
	2	1	154-0873	1	PIN	
	3	1	154-0874	2	CLIP	
	4	1	270-6968	4	PISTON AS	
					(EACH INCLUDES)	
	4A	1	270-6970	1	KIT-PISTON RING	



GRAPHIC #1

<END>

g01410074

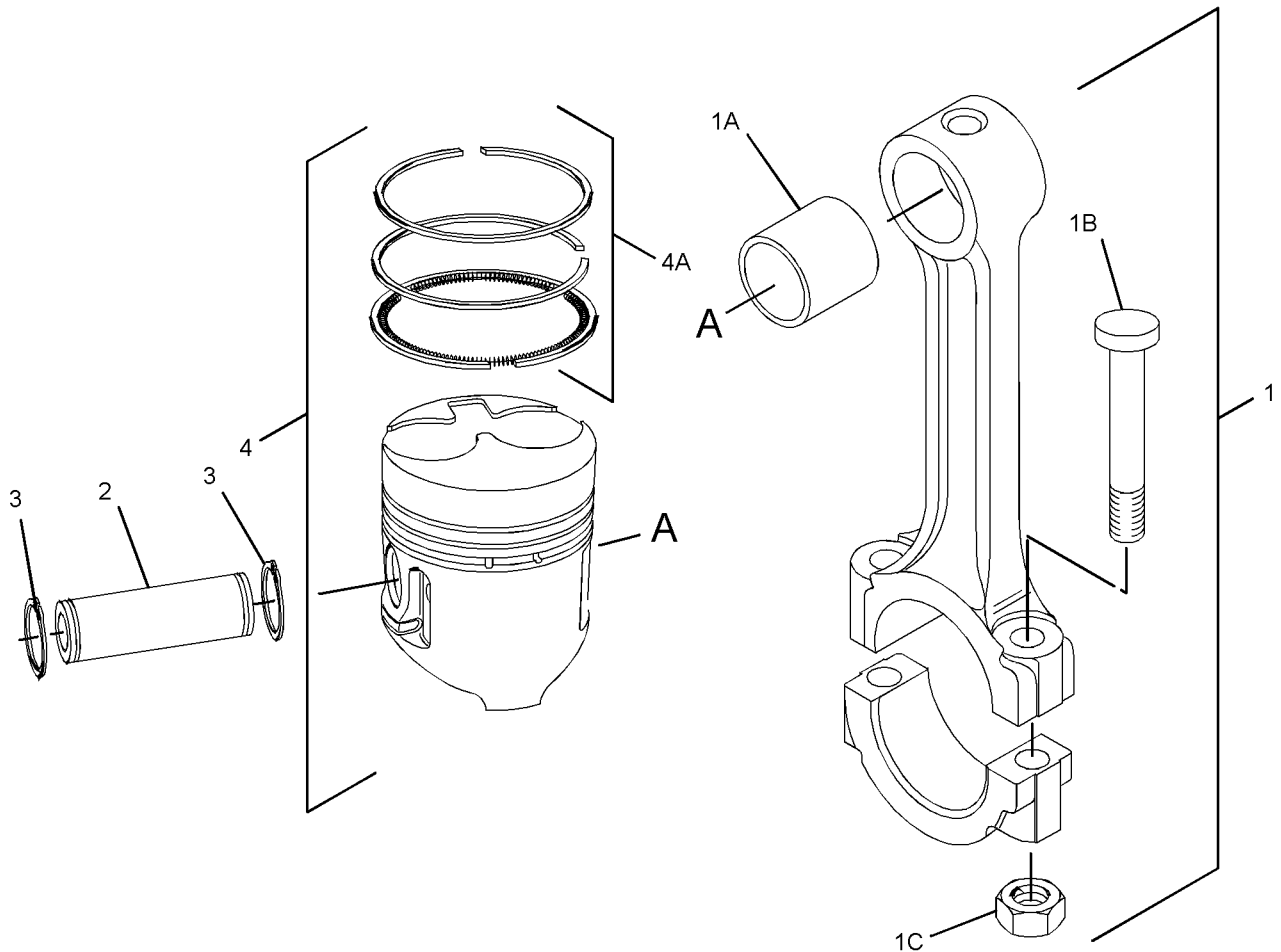
BASIC ENGINE

309-6714 PISTON & ROD GP

SMCS-1225

i02770515

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	154-0867	4	ROD AS-CONNECTING	
					(EACH INCLUDES)	
	1A	1	154-0869	1	BUSHING	
	1B	1	154-0870	2	BOLT	
	1C	1	154-0871	2	NUT	
	2	1	154-0873	4	PIN	
	3	1	154-0874	8	CLIP	
	4	1	297-3080	4	PISTON AS	
					(EACH INCLUDES)	
	4A	1	217-1456	1	KIT-PISTON RING	



GRAPHIC #1

<END>

g01415430

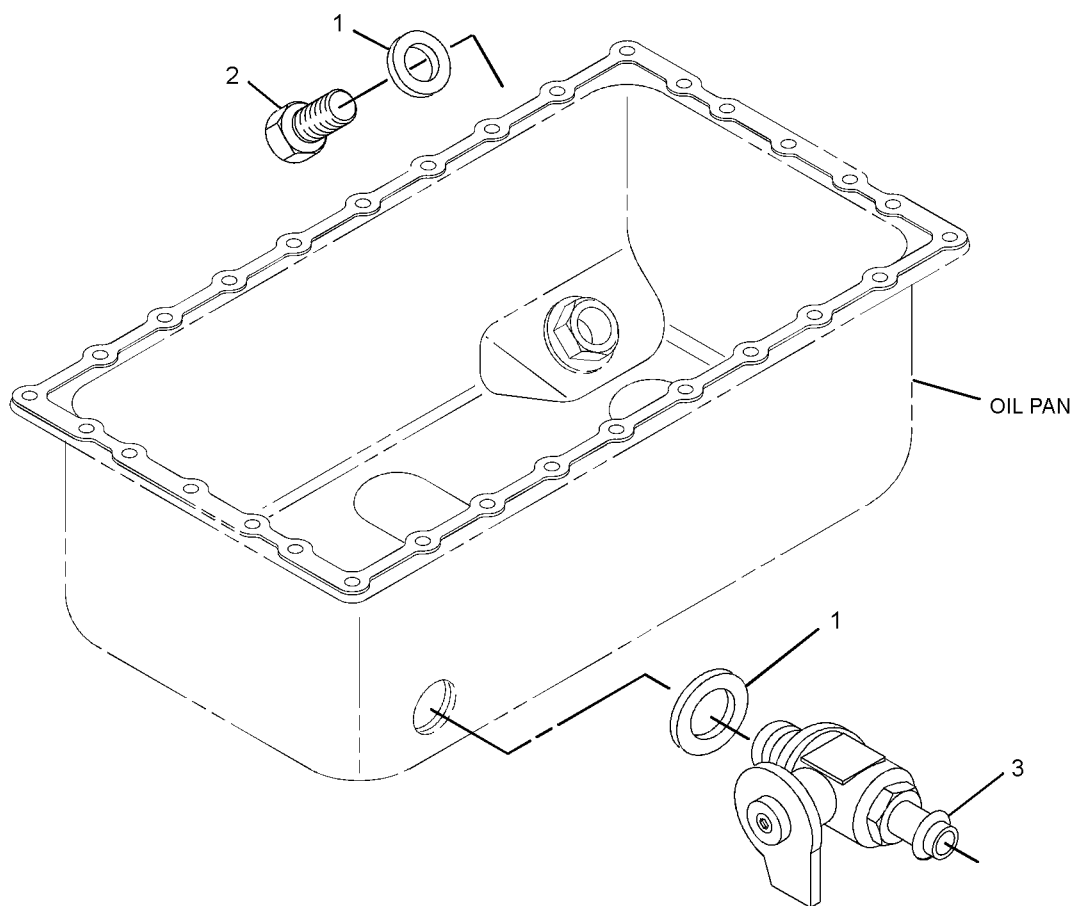
BASIC ENGINE

315-5252 PLUG GP-ENGINE

SMCS-1100

i02810592

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6412	2	WASHER						
	2	1	218-2334	1	PLUG-DRAIN (ENGINE OIL PAN)						
	3	1	312-4560	1	VALVE-DRAIN						



GRAPHIC #1

<END>

g01414783

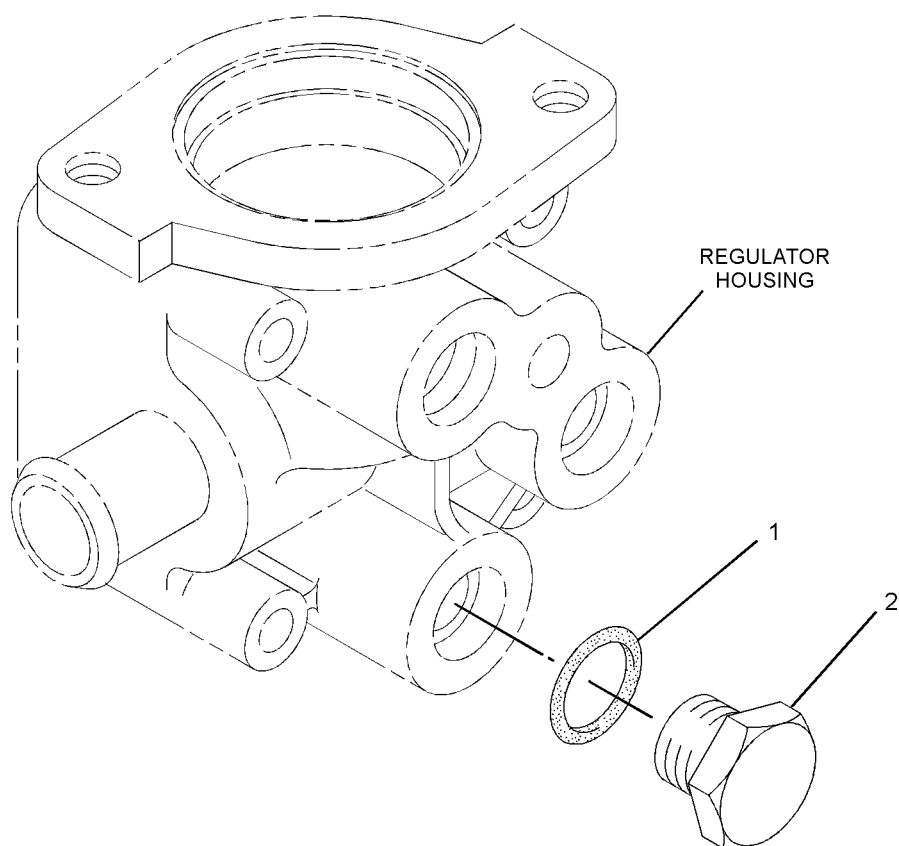
BASIC ENGINE

322-2426 PLUG GP-ENGINE

SMCS-1100

i02959112

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6835	1	SEAL-O-RING						
	2	1	161-8273	1	PLUG						



GRAPHIC #1

<END>

g01514601

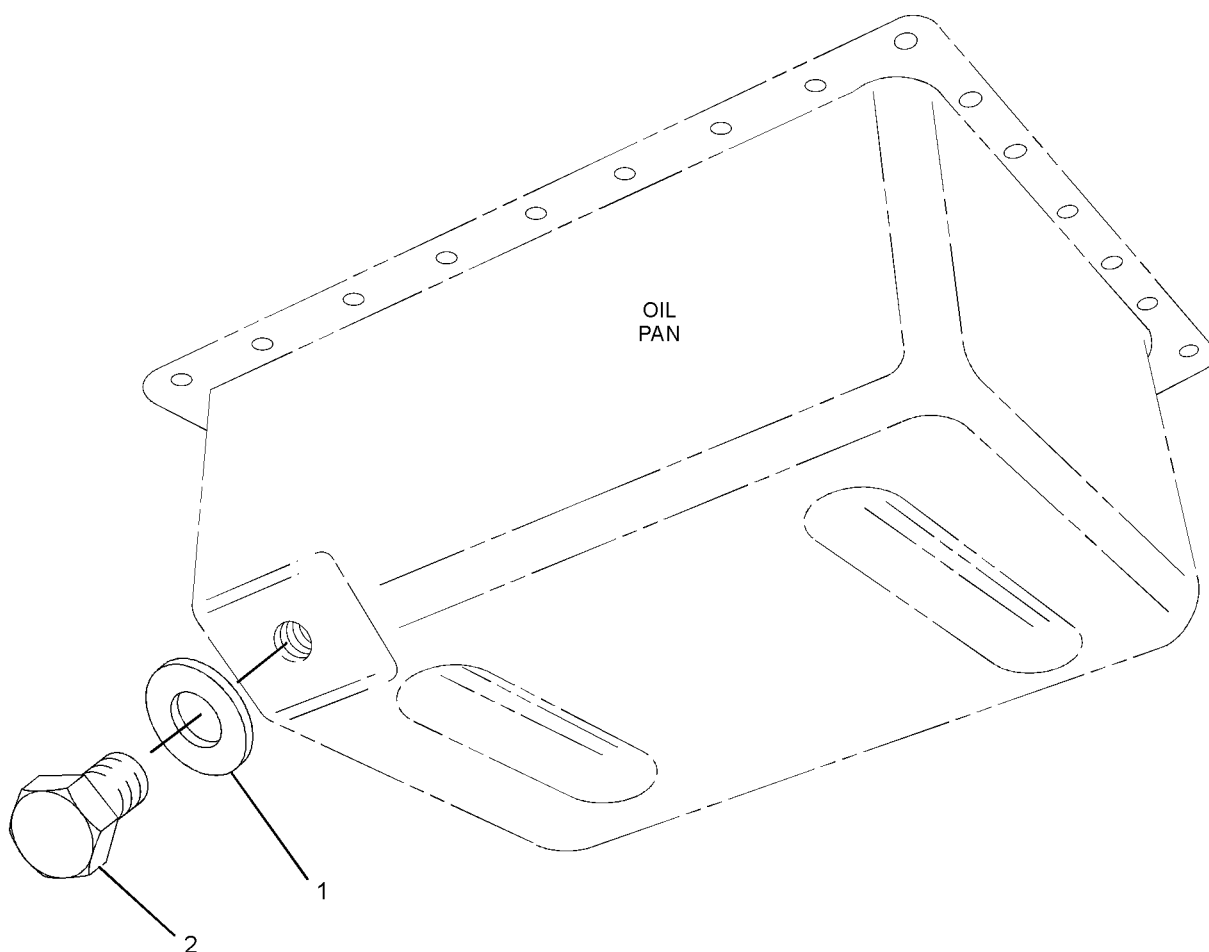
BASIC ENGINE

309-6720 PLUG GP-OIL PAN-DRAIN

SMCS-1302

i02784631

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6412	2	WASHER						
	2	1	218-2334	2	PLUG-DRAIN (ENGINE OIL PAN)						



GRAPHIC #1

<END>

g01347011

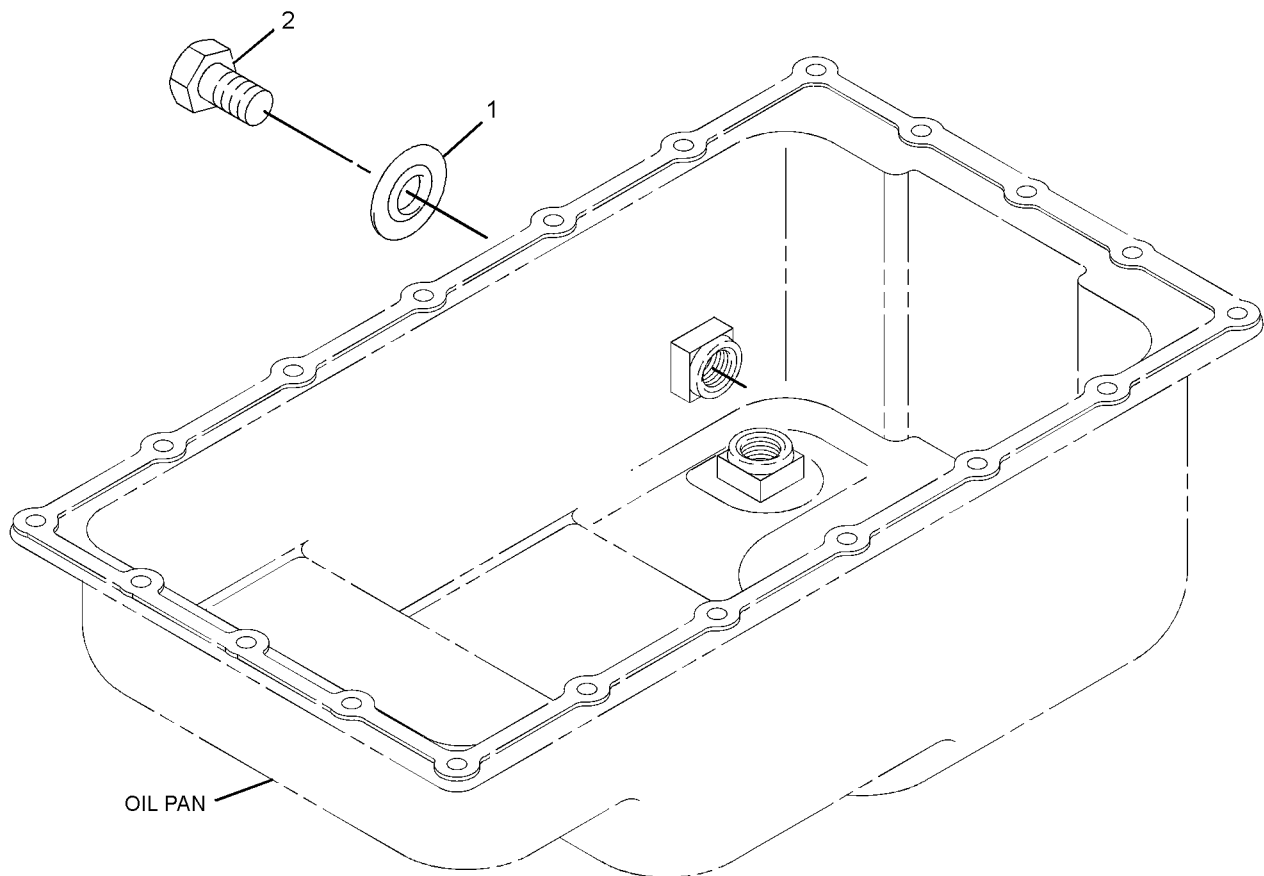
BASIC ENGINE

322-2420 PLUG GP-OIL PAN

SMCS-1302

i02936698

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6832	2	WASHER						
	2	1	165-3605	2	PLUG-DRAIN (ENGINE OIL DRAIN)						



GRAPHIC #1

<END>

g01513429

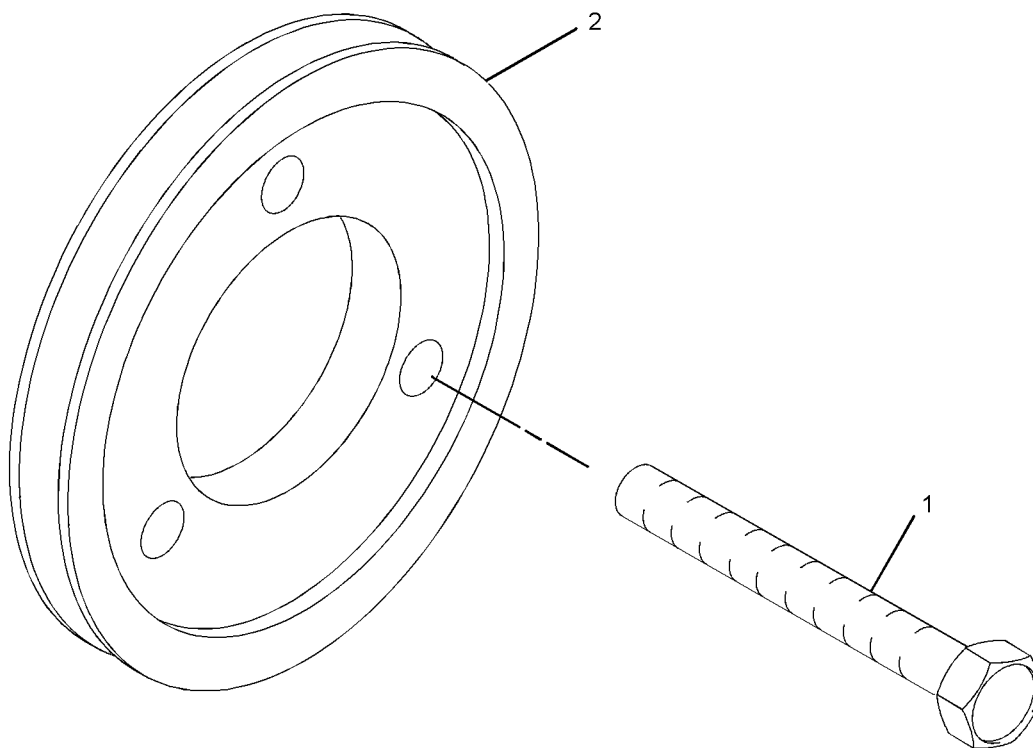
BASIC ENGINE

322-2422 PULLEY GP-AUXILIARY DRIVE

SMCS-1205, 1207

i02938838

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	165-2142	3	BOLT						
	2	1	238-9621	1	PULLEY						



GRAPHIC #1

<END>

g01636445

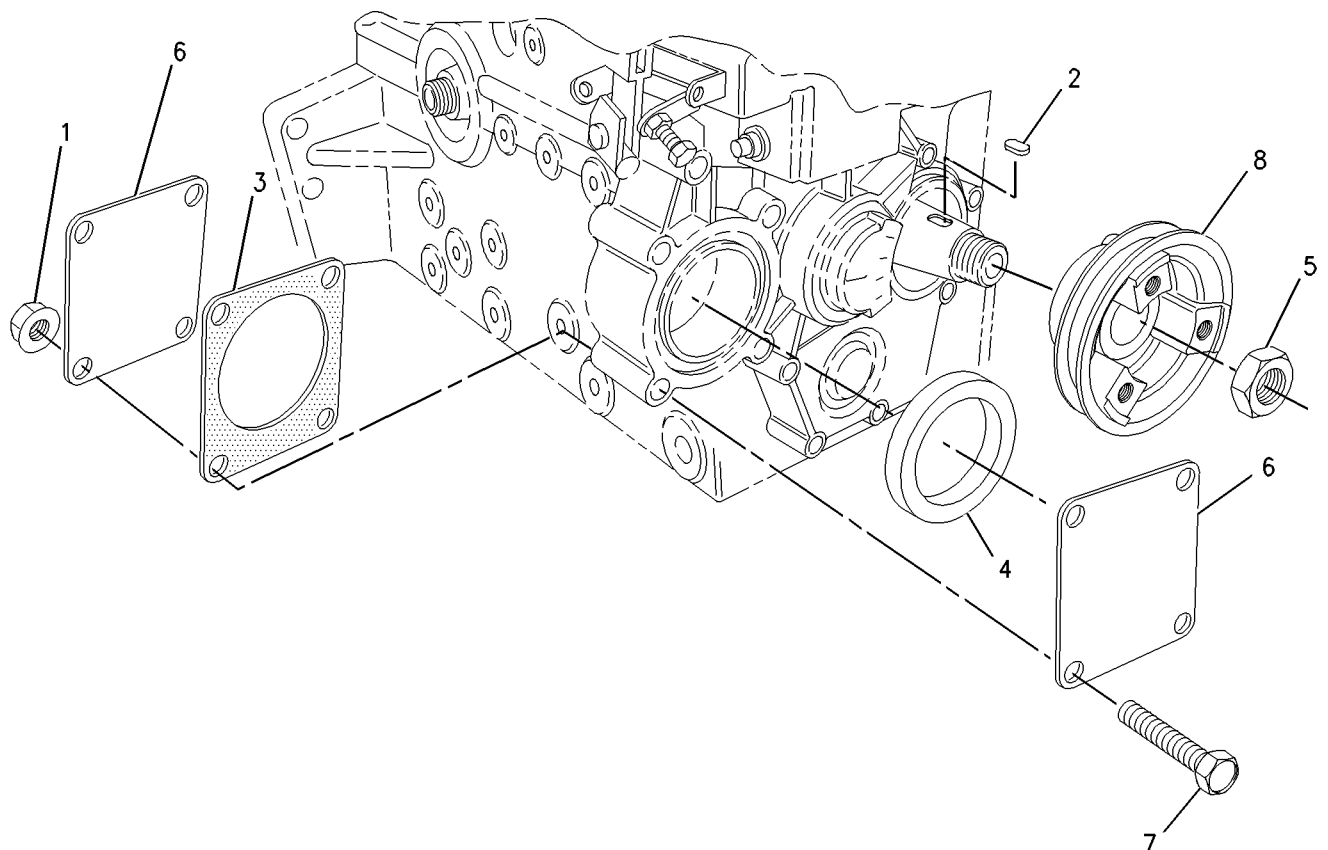
BASIC ENGINE

217-2777 PULLEY GP - CRANKSHAFT

SMCS - 1205

i03082424

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	4	NUT						
	2	1	153-6492	1	KEY - WOODRUFF						
	3	1	153-6494	1	GASKET						
	4	1	153-6497	1	SEAL - O - RING						
	5	1	154-1880	1	NUT						
	6	1	154-1882	2	PLATE						
	7	1	180-6115	4	BOLT						
	8	1	321-6738	1	PULLEY - CRANKSHAFT						



GRAPHIC #1

<END>

g00852781

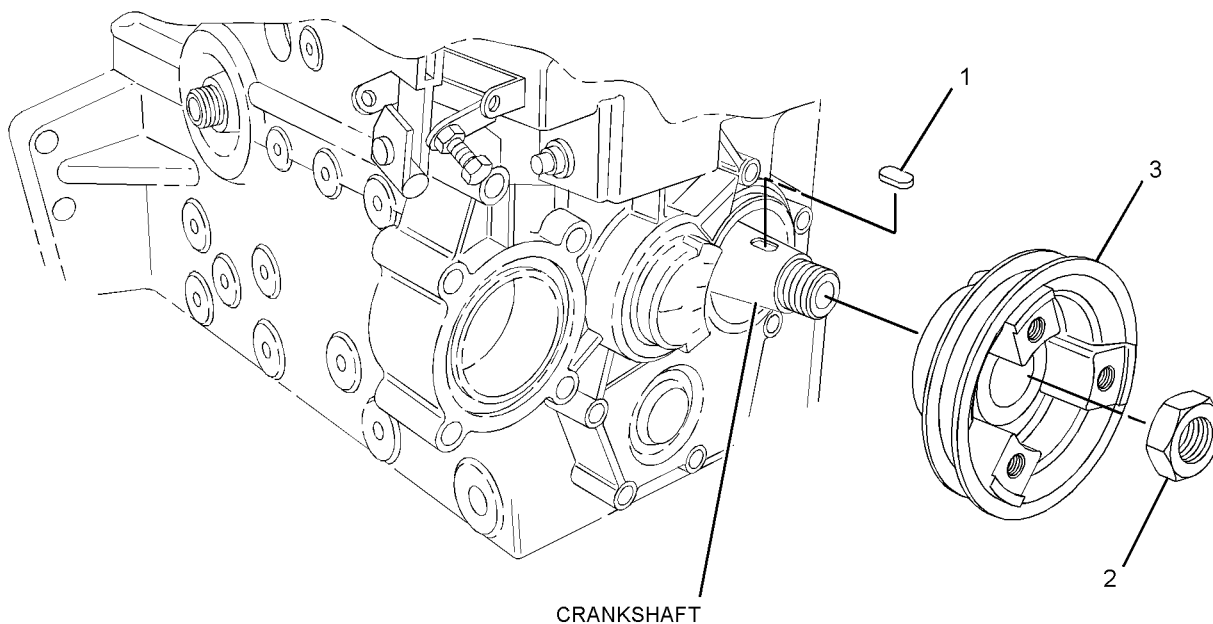
BASIC ENGINE

308 - 2300 PULLEY GP - CRANKSHAFT

SMCS - 1205

i02752265

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6492	1	KEY - WOODRUFF						
	2	1	154-1880	1	NUT						
	3	1	217-2776	1	PULLEY - CRANKSHAFT						



GRAPHIC #1

<END>

g01390599

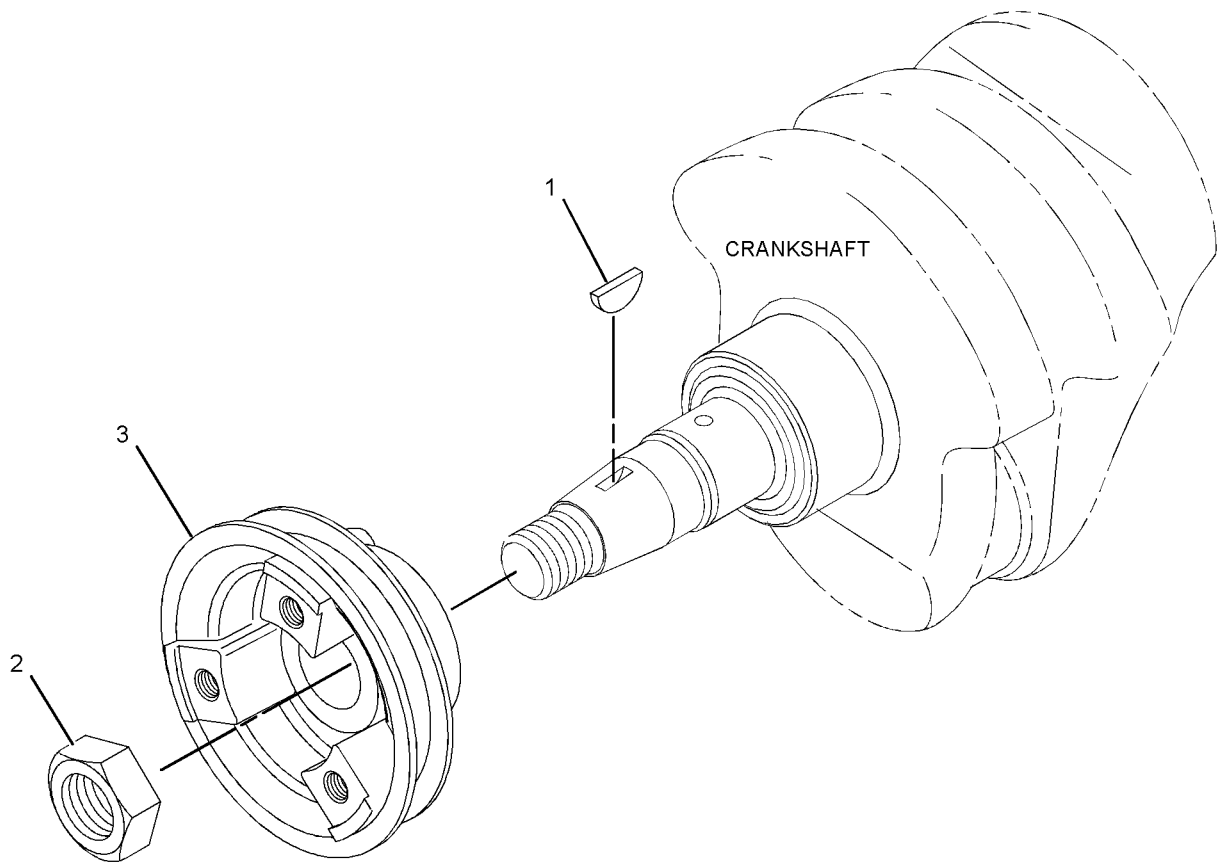
BASIC ENGINE

321-6740 PULLEY GP-CRANKSHAFT

SMCS-1205

i02918928

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6492	1	KEY-WOODRUFF						
	2	1	154-1880	1	NUT						
	3	1	321-6738	1	PULLEY-CRANKSHAFT						



GRAPHIC #1

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g01622072

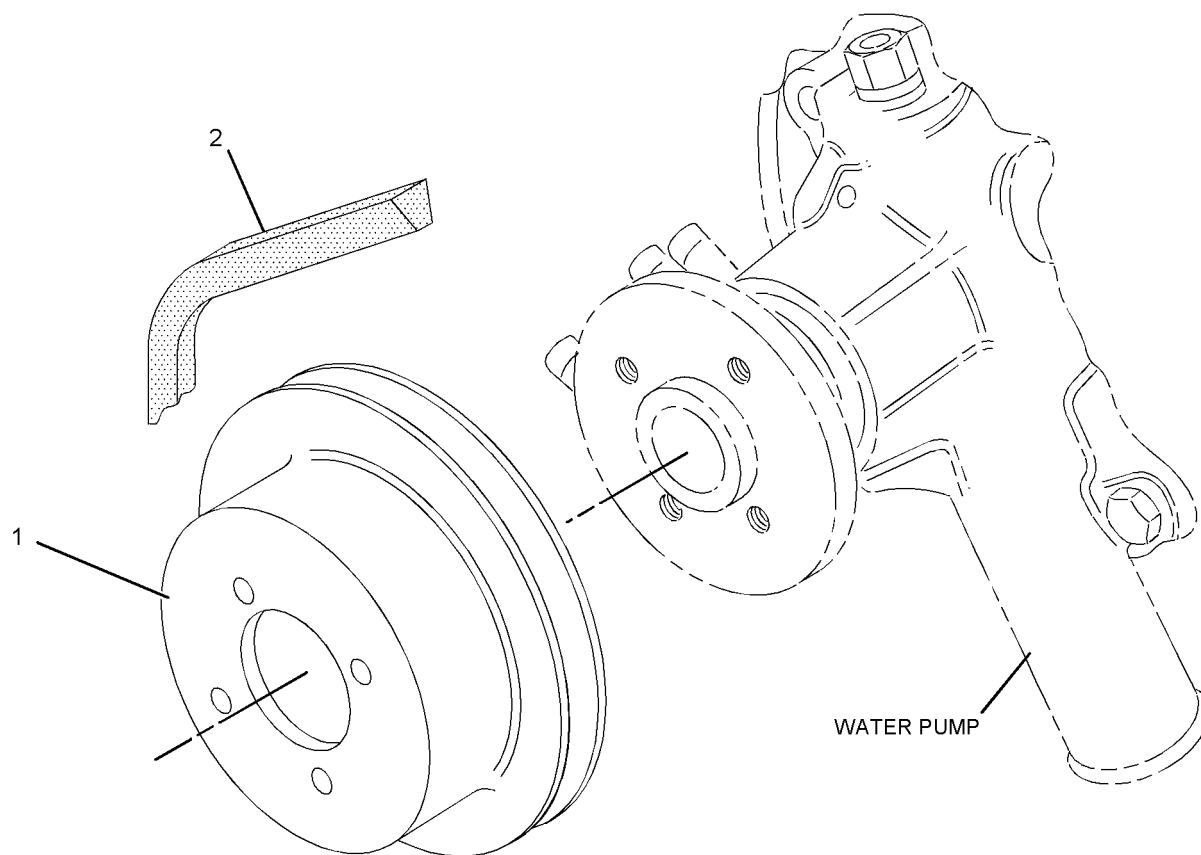
BASIC ENGINE

218-2323 PULLEY GP-WATER PUMP

SMCS-1384

i03082430

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-1822	1	PULLEY-WATER PUMP						
	2	1	211-5172	1	V-BELT (WATER PUMP)						



GRAPHIC #1

<END>

g01048774

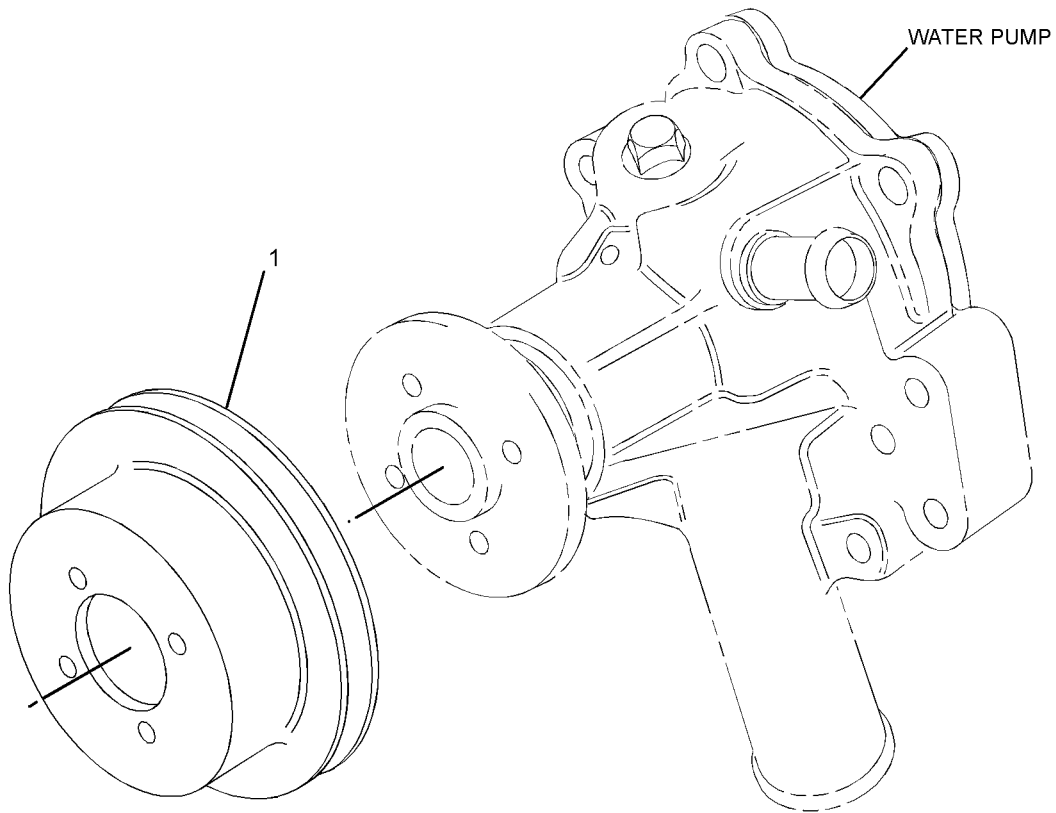
BASIC ENGINE

308 - 2294 PULLEY GP - WATER PUMP

SMCS - 1384

i02743519

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-1822	1	PULLEY-WATER PUMP						



GRAPHIC #1

<END>

g01412305

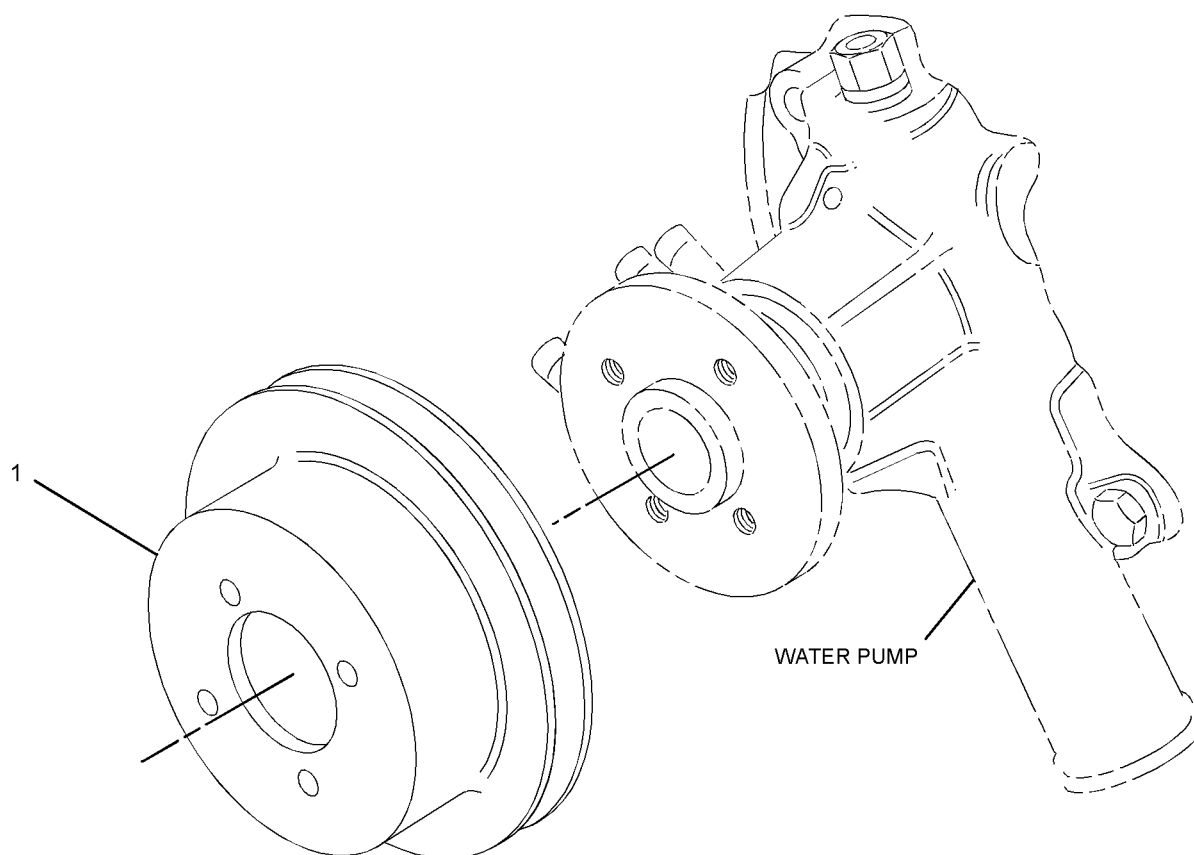
BASIC ENGINE

311-9027 PULLEY GP-WATER PUMP

SMCS-1384

i02770487

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	191-0551	1	PULLEY-WATER PUMP						



GRAPHIC #1

<END>

g01418299

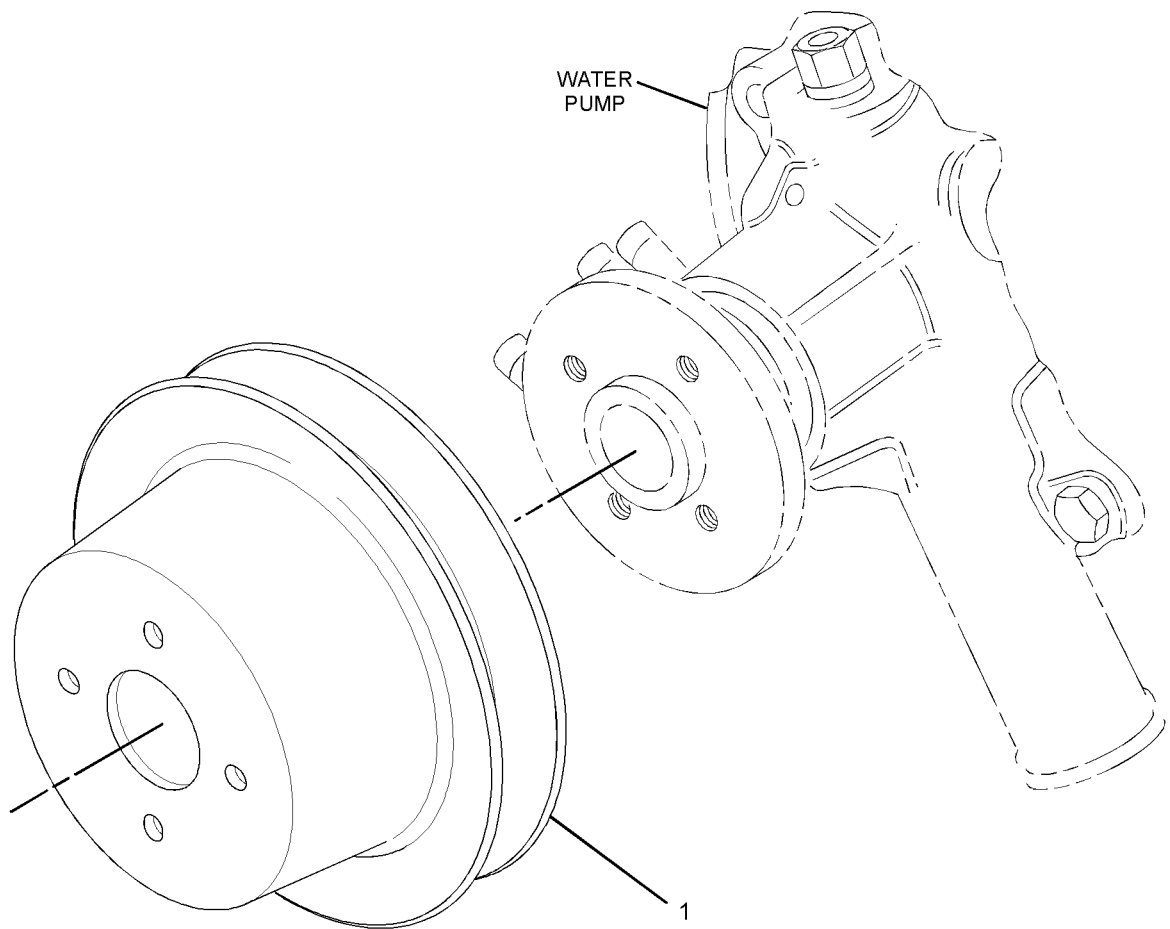
BASIC ENGINE

328 - 2488 PULLEY GP - WATER PUMP

SMCS - 1384

i03085928

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	191 - 9342	1	PULLEY - WATER PUMP						



GRAPHIC #1

<END>

g01622233

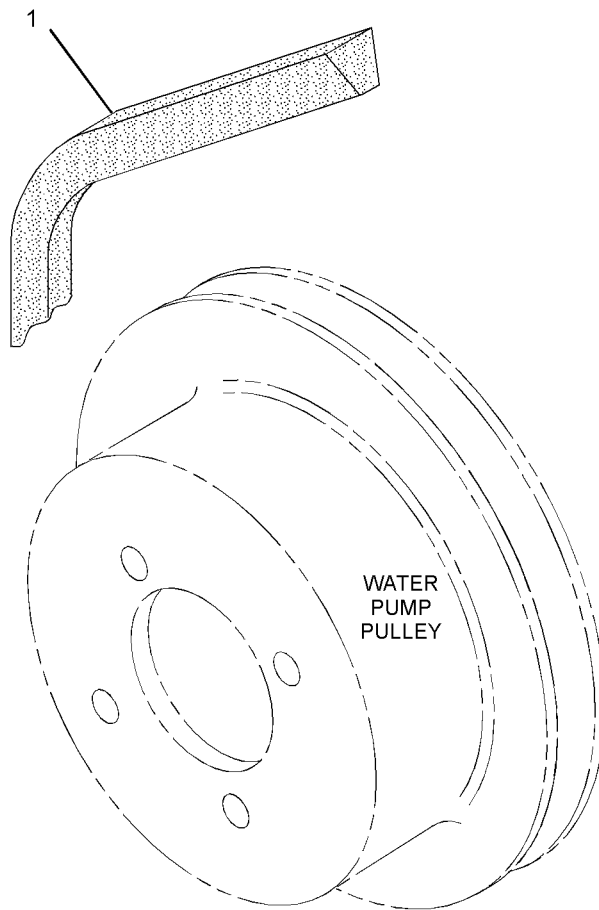
BASIC ENGINE

308-2306 V-BELT GP

SMCS-1357

i03202148

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	211-5172	1	V-BELT (WATER PUMP)						



GRAPHIC #1

<END>

g01407842

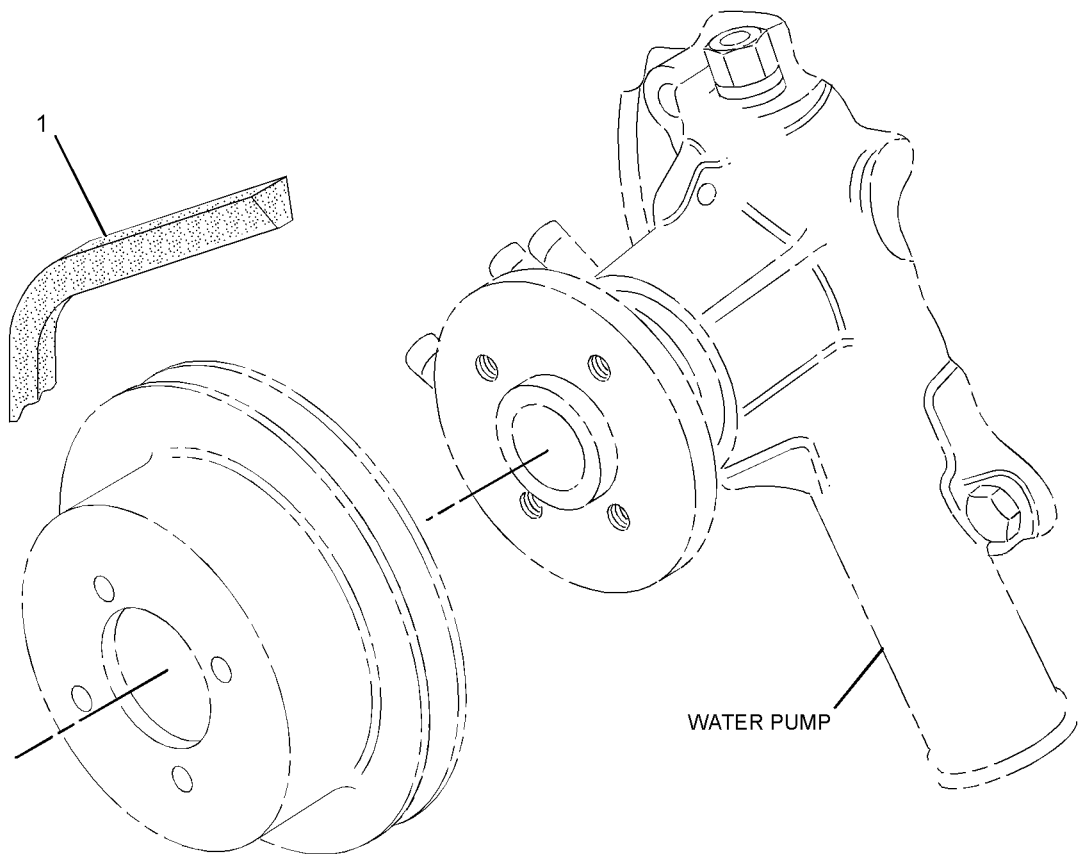
BASIC ENGINE

311-9029 V-BELT GP

SMCS-1357

i03202155

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	211-5172	1	V-BELT (WATER PUMP)						



GRAPHIC #1

<END>

g01418782

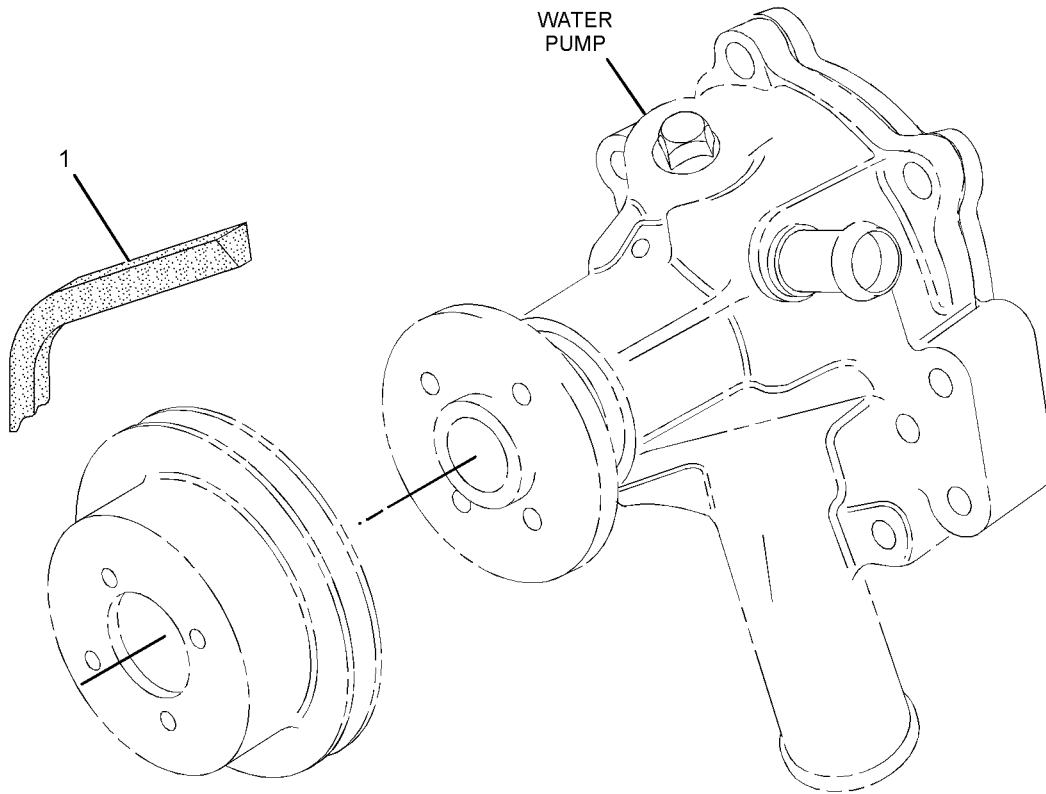
BASIC ENGINE

317-3039 V-BELT GP

SMCS-1357

i03202154

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	295-0887	1	V-BELT (WATER PUMP)						



GRAPHIC #1

<END>

g01421607

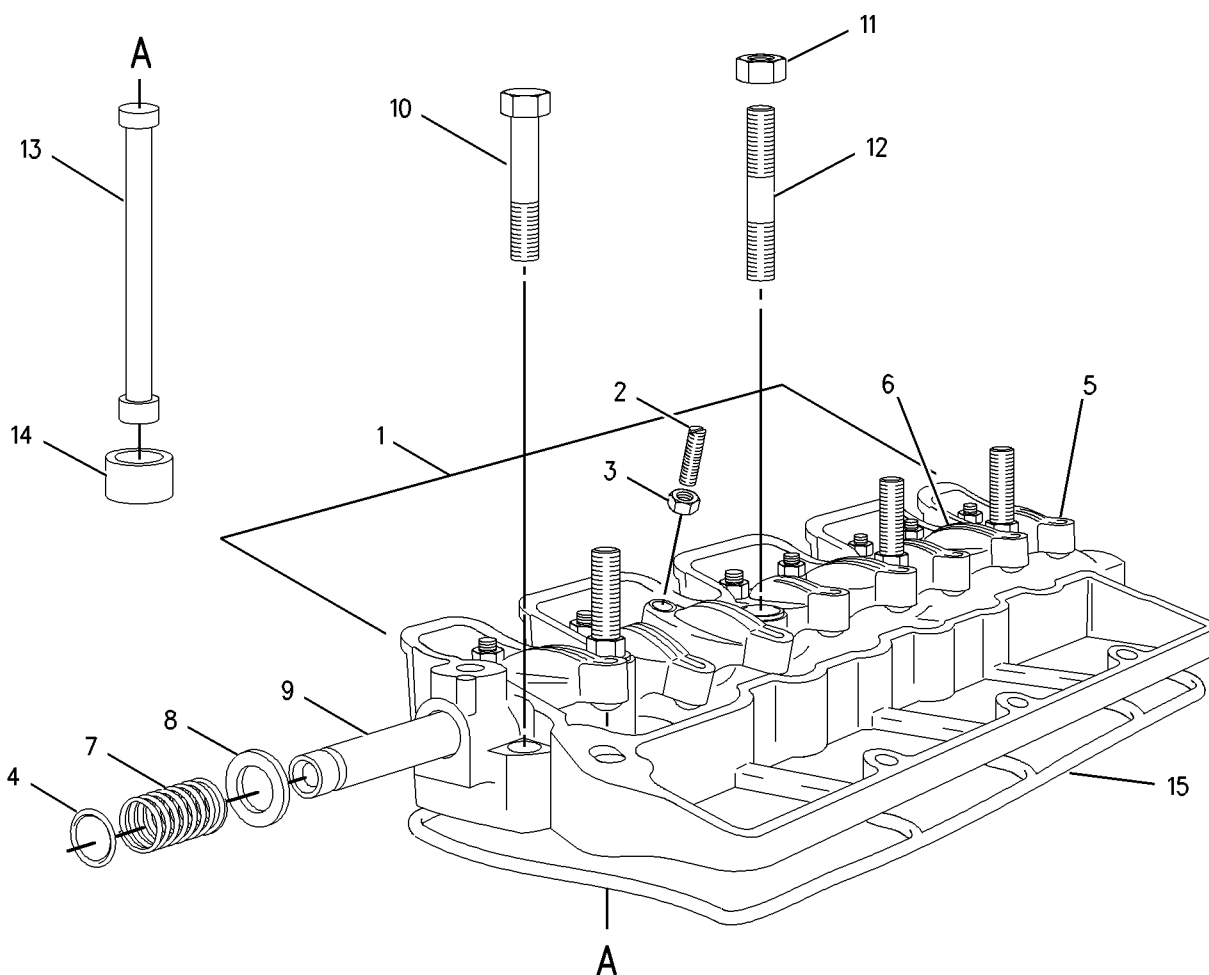
BASIC ENGINE

217-2753 VALVE MECHANISM GP

SMCS-1102, 1121, 1123, 1209

i03082423

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	293-2167	1	VALVE MECHANISM GP						
	2	1	153-5587	8	SCREW-ADJUSTMENT						
	3	1	153-5590	8	NUT						
	4	1	153-6835	1	SEAL-O-RING						
	5	1	154-1240	4	LEVER-RH						
	6	1	154-1241	4	LEVER-LH						
	7	1	154-1242	3	SPRING						
	8	1	154-1243	6	WASHER						
	9	1	206-3499	1	SHAFT-ROCKER ARM						
	10	1	153-5961	2	BOLT						
	11	1	153-7988	4	NUT						
	12	1	154-1246	4	STUD						
	13	1	154-1248	8	ROD						
	14	1	154-1249	8	TAPPET						
	15	1	217-2752	1	GASKET (VALVE BRACKET)						



GRAPHIC #1

<END>

g00984565

BASIC ENGINE

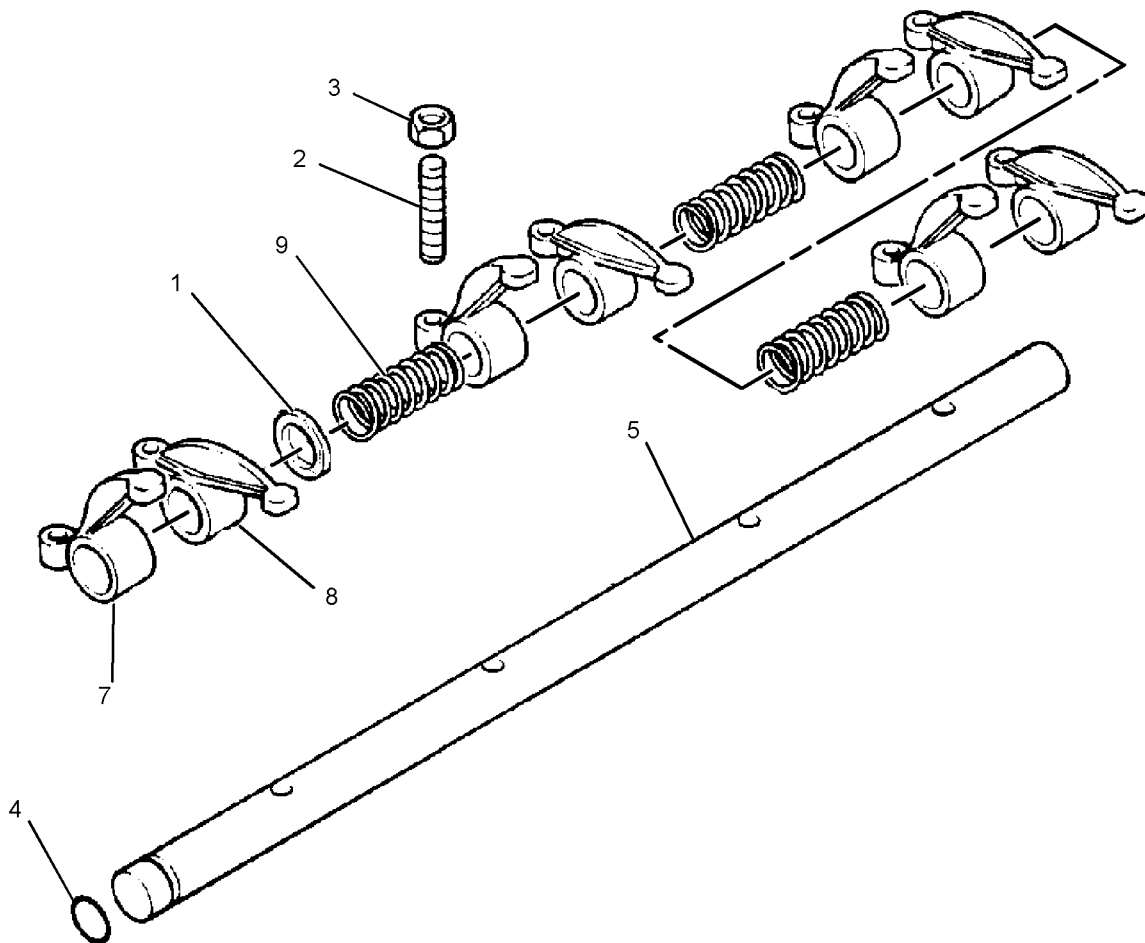
293-2167 VALVE MECHANISM GP

PART OF 308-2285, 309-6716 VALVE MECHANISM GP

SMCS-1102, 1121, 1123, 1209

i02752170

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-1243	6	WASHER						
	2	1	153-5587	8	SCREW-ADJUSTMENT						
	3	1	153-5590	8	NUT						
	4	1	153-6835	1	SEAL-O-RING						
	5	1	206-3499	1	SHAFT-ROCKER ARM						
	7	1	154-1240	4	LEVER-RH						
	8	1	154-1241	4	LEVER-LH						
	9	1	154-1242	3	SPRING						



GRAPHIC #1

<END>

g01395519

BASIC ENGINE

308-2285 VALVE MECHANISM GP

SMCS-1102, 1121, 1123, 1209

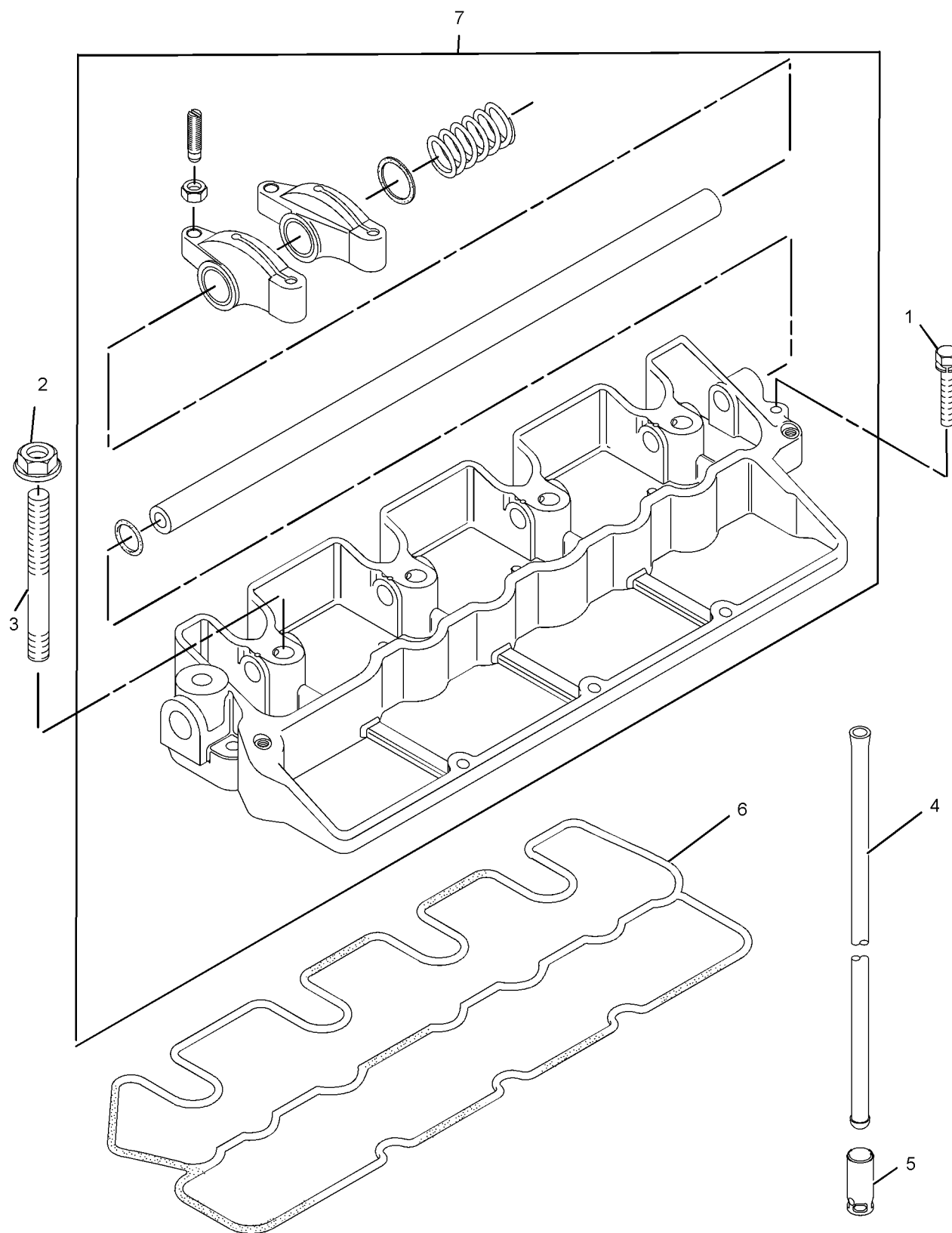
i02752173

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	153-5961	2	BOLT	
	2	1	153-7988	4	NUT	
	3	1	154-1246	4	STUD	
	4	1	154-1248	8	ROD	
	5	1	154-1249	8	TAPPET	
	6	1	217-2752	1	GASKET (VALVE BRACKET)	
Y	7	1	293-2167	1	VALVE MECHANISM GP	142
Y-SEPARATE ILLUSTRATION						

BASIC ENGINE

308-2285 VALVE MECHANISM GP (contd.)

i02752173



GRAPHIC #1

<END>

g01409366

BASIC ENGINE

309-6716 VALVE MECHANISM GP

SMCS-1102, 1121, 1123, 1209

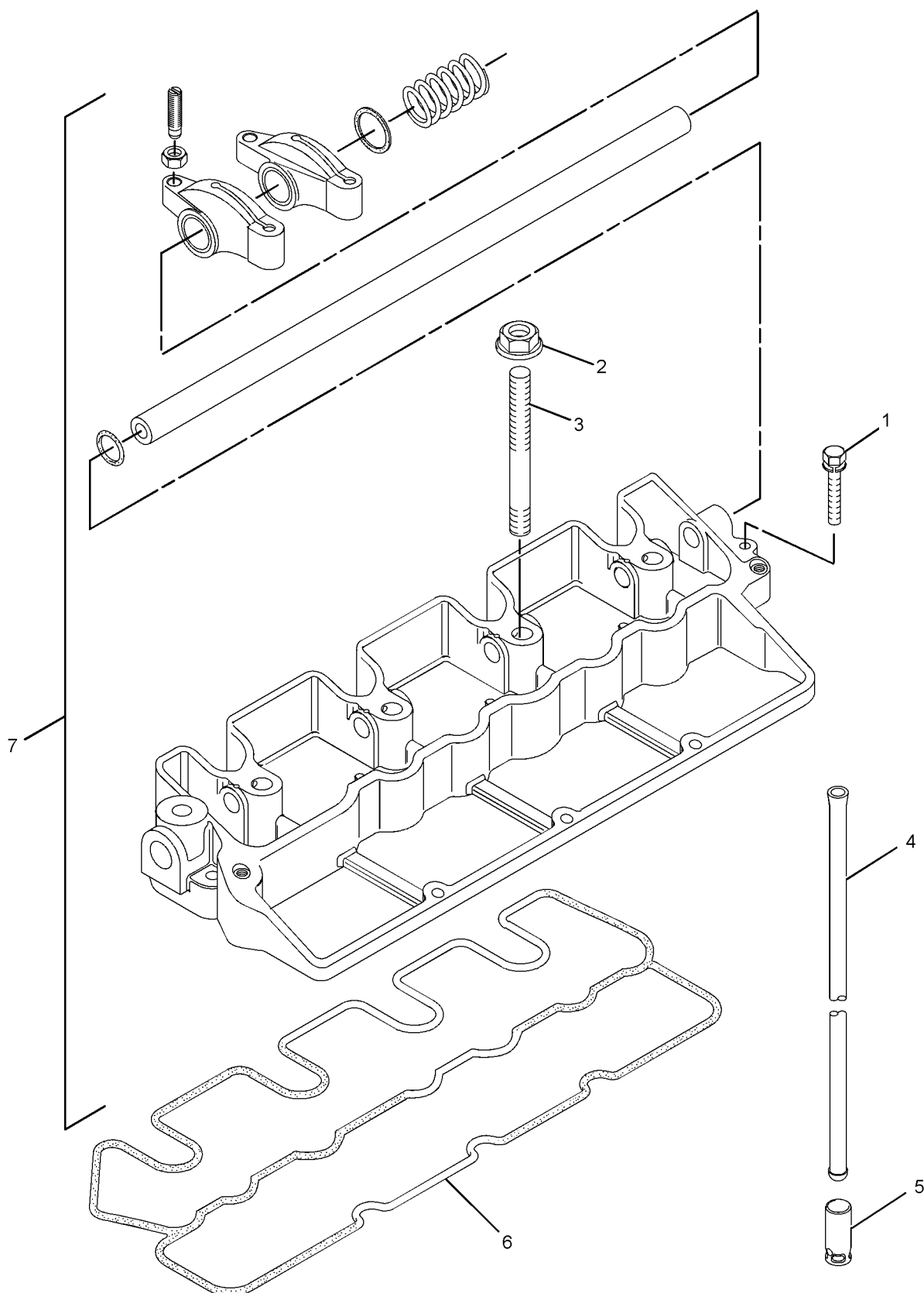
i02770517

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	153-5961	2	BOLT	
	2	1	153-7988	4	NUT	
	3	1	154-1246	4	STUD	
	4	1	154-1248	8	ROD	
	5	1	154-1249	8	TAPPET	
	6	1	217-2752	1	GASKET (VALVE BRACKET)	
Y	7	1	293-2167	1	VALVE MECHANISM GP	142
Y-SEPARATE ILLUSTRATION						

BASIC ENGINE

309-6716 VALVE MECHANISM GP (contd.)

i02770517



GRAPHIC #1

<END>

g01419056

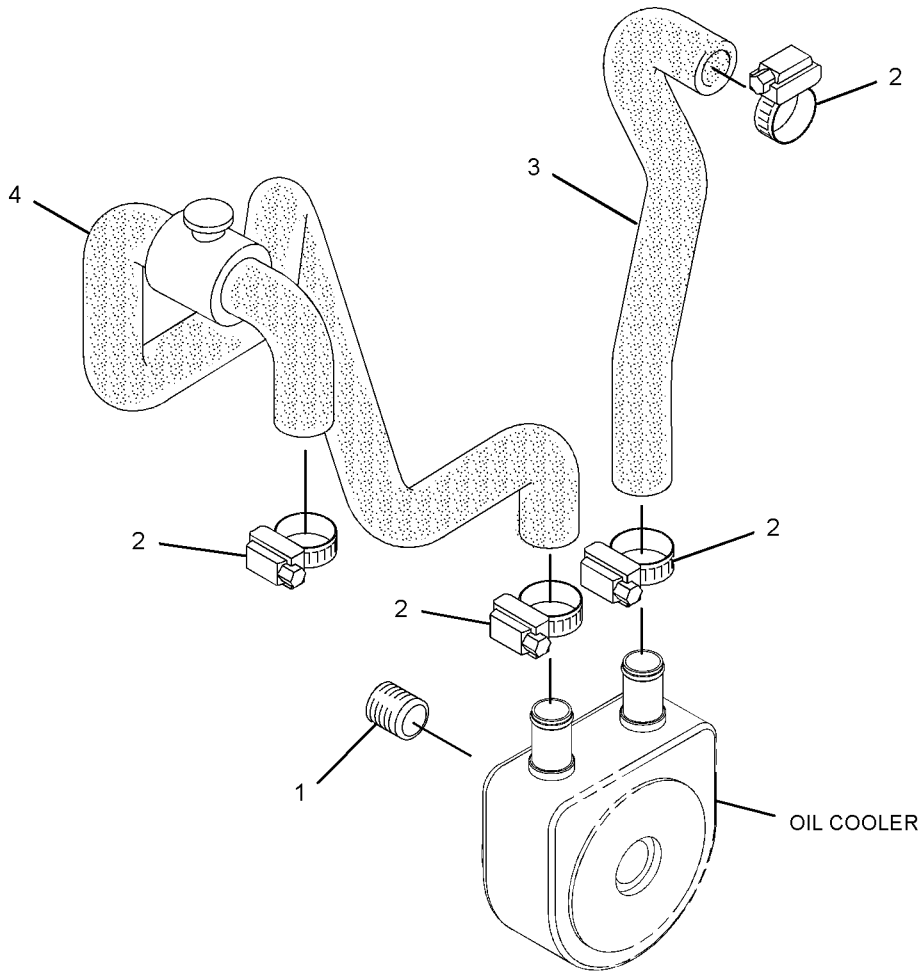
LUBRICATION SYSTEM

308-2299 CONNECTION GP-OIL-ENGINE

SMCS-1307

i02752251

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6879	1	STUD-HOLLOW						
	2	1	160-4826	4	CLAMP-HOSE						
	3	1	238-9145	1	HOSE						
	4	1	256-4813	1	HOSE						



GRAPHIC #1

<END>

g01415007

LUBRICATION SYSTEM

308-2297 FILLER GP-ENGINE OIL

SMCS-1316

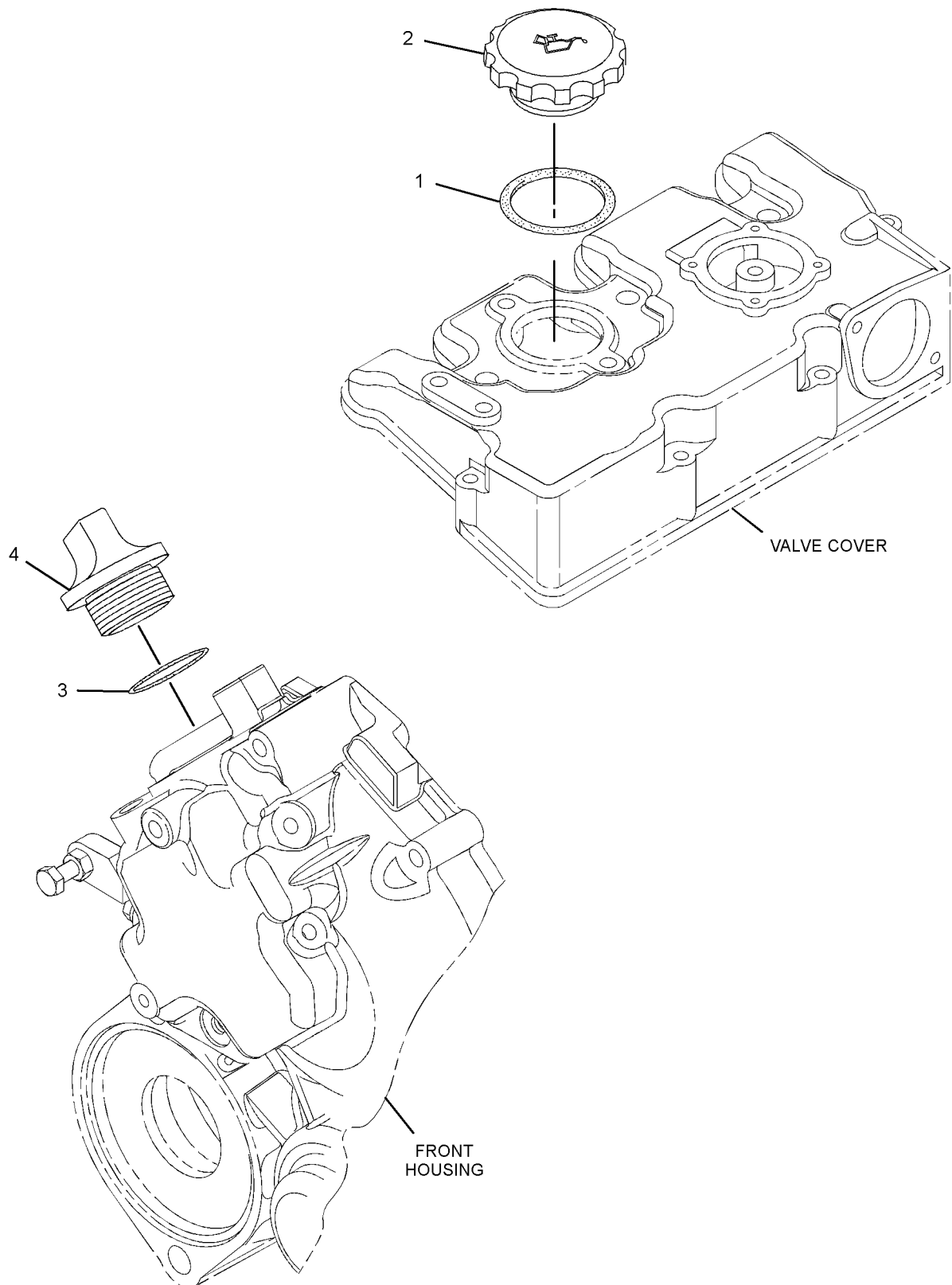
i03195007

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	153-5933	1	SEAL (ENGINE OIL FILL CAP)	
	2	1	217-7358	1	CAP-OIL FILLER (ENGINE)	
	3	1	288-6593	1	SEAL (ENGINE OIL FILL CAP)	
	4	1	289-6120	1	CAP-OIL FILLER (ENGINE)	

LUBRICATION SYSTEM

308-2297 FILLER GP-ENGINE OIL (contd.)

i03195007



GRAPHIC #1

<END>

g01412730

LUBRICATION SYSTEM

322 - 2421 FILLER GP - ENGINE OIL

SMCS-1316

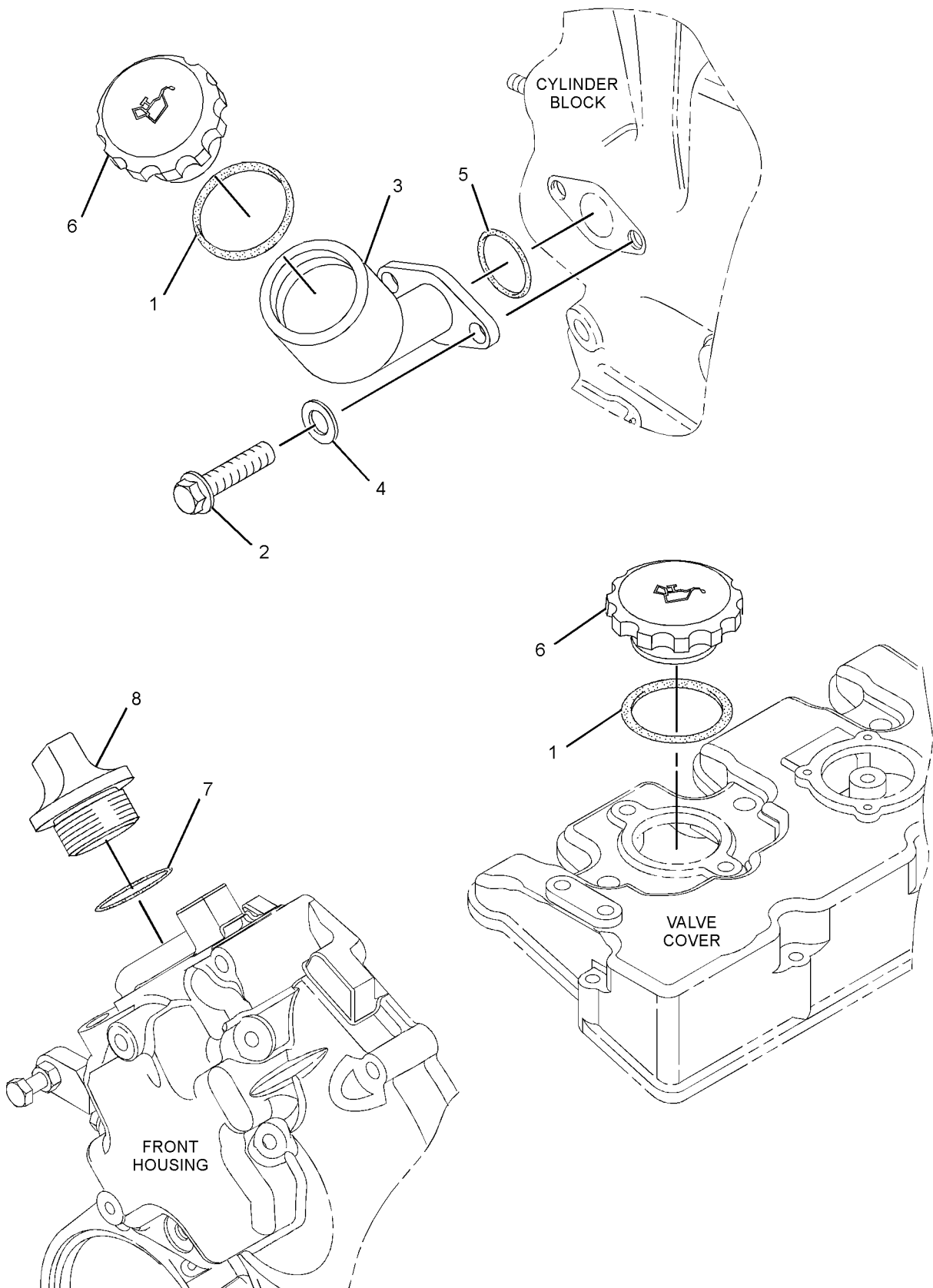
i02908393

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	153-5933	2	SEAL (ENGINE OIL FILL)	
	2	1	153-7640	2	BOLT	
	3	1	209-1355	1	FILLER-OIL	
	4	1	9X-8256	2	WASHER (6.6X12X2-MM THK)	
	5	1	211-8559	1	SEAL-O-RING	
	6	1	217-7358	2	CAP-OIL FILLER (ENGINE)	
	7	1	288-6593	1	SEAL (ENGINE OIL FILL CAP)	
	8	1	289-6120	1	CAP-OIL FILLER (ENGINE)	

LUBRICATION SYSTEM

322-2421 FILLER GP-ENGINE OIL (contd.)

i02908393



GRAPHIC #1

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g01660474

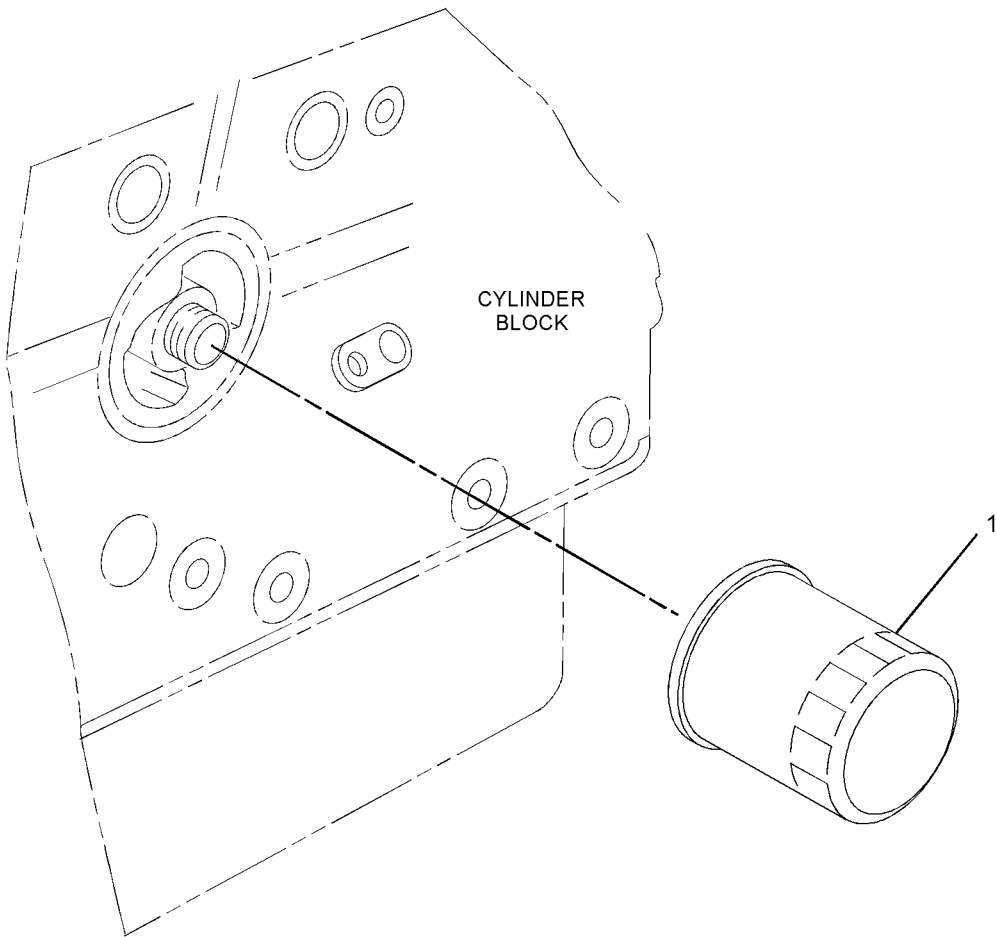
LUBRICATION SYSTEM

308 -2298 FILTER GP -ENGINE OIL

SMCS-1306, 1308

i02752263

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	220-1523	1	FILTER AS-ENGINE OIL						



GRAPHIC #1

<END>

g01389723

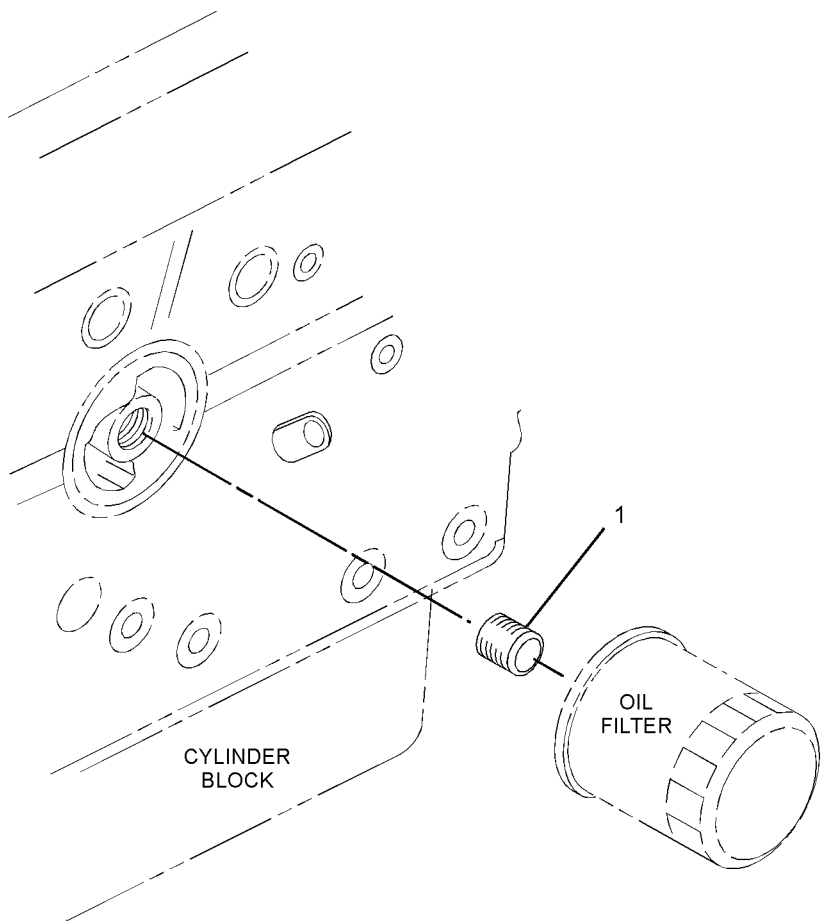
LUBRICATION SYSTEM

308-4735 MOUNTING GP-ENGINE OIL FILTER

SMCS-1306, 1308

i02698018

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6879	1	STUD-HOLLOW						



GRAPHIC #1

<END>

g01355707

LUBRICATION SYSTEM

308-2287 PUMP GP-ENGINE OIL

SMCS-1304, 1315

i03202203

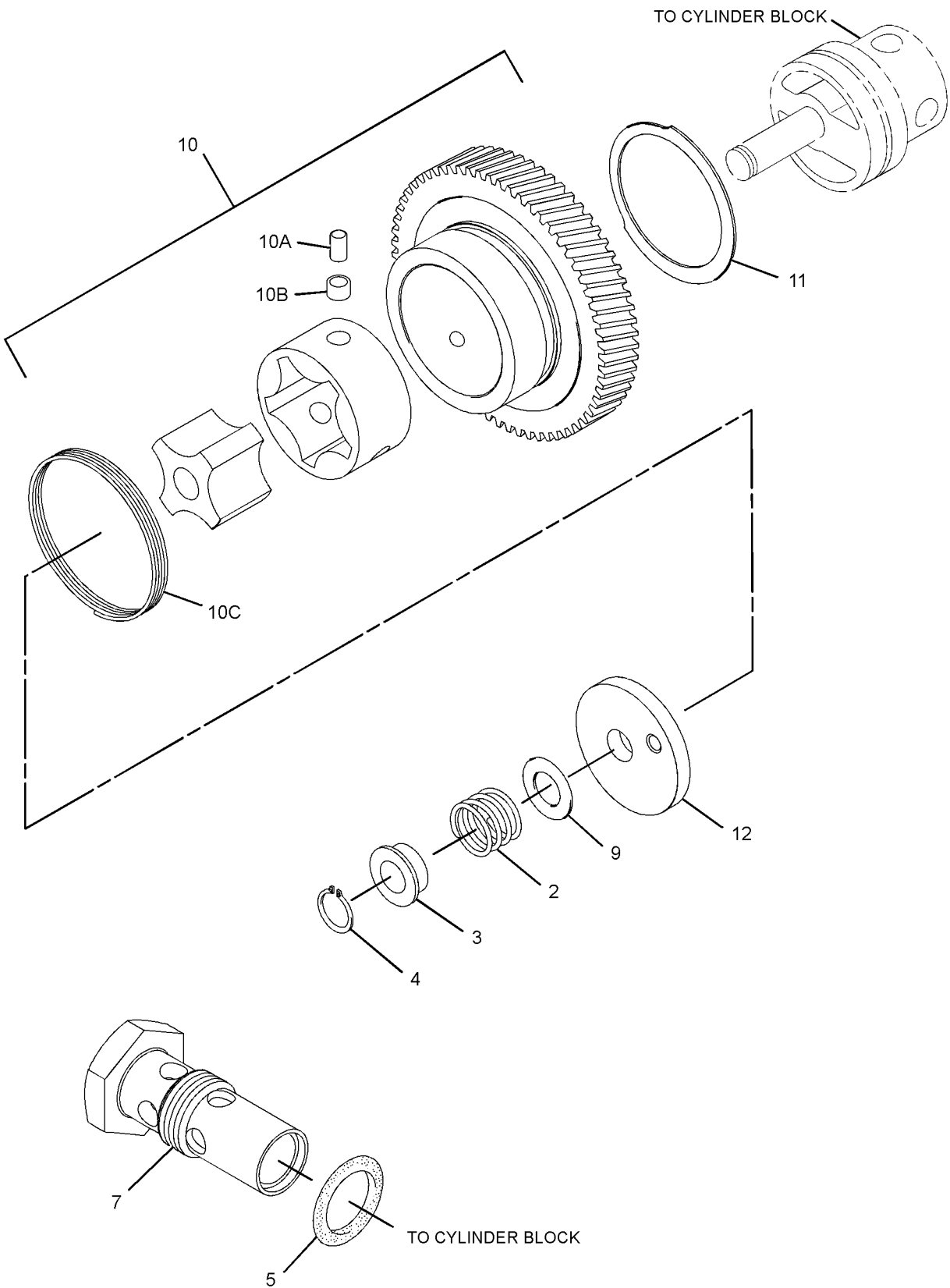
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	153-5936	2	WASHER						
	2	1	153-6849	1	SPRING						
	3	1	153-6850	1	COLLAR						
	4	1	153-6851	1	CLIP						
	5	1	153-6853	1	SEAL-O-RING						
	6	2	153-6881	1	BOLT						
	7	1	154-1942	1	VALVE-RELIEF (ENGINE OIL PRESSURE)						
	8	2	154-2353	1	TUBE AS-OIL						
B	9	1	160-4150	1	SHIM (0.1-MM THK)						
B		1	160-4151	1	SHIM (0.15-MM THK)						
B		1	160-4152	1	SHIM (0.2-MM THK)						
B		1	160-4153	1	SHIM (0.5-MM THK)						
	10	1	318-8382	1	GEAR GP						
	10A	1	154-1677	3	BUSHING						
	10B	1	154-1678	3	DOWEL						
	10C	1	308-1984	1	SPRING						
	11	1	308-1867	1	WASHER-THRUST						
	12	1	308-1869	1	COVER						

B-USE AS REQUIRED

LUBRICATION SYSTEM

308-2287 PUMP GP-ENGINE OIL (contd.)

i03202203



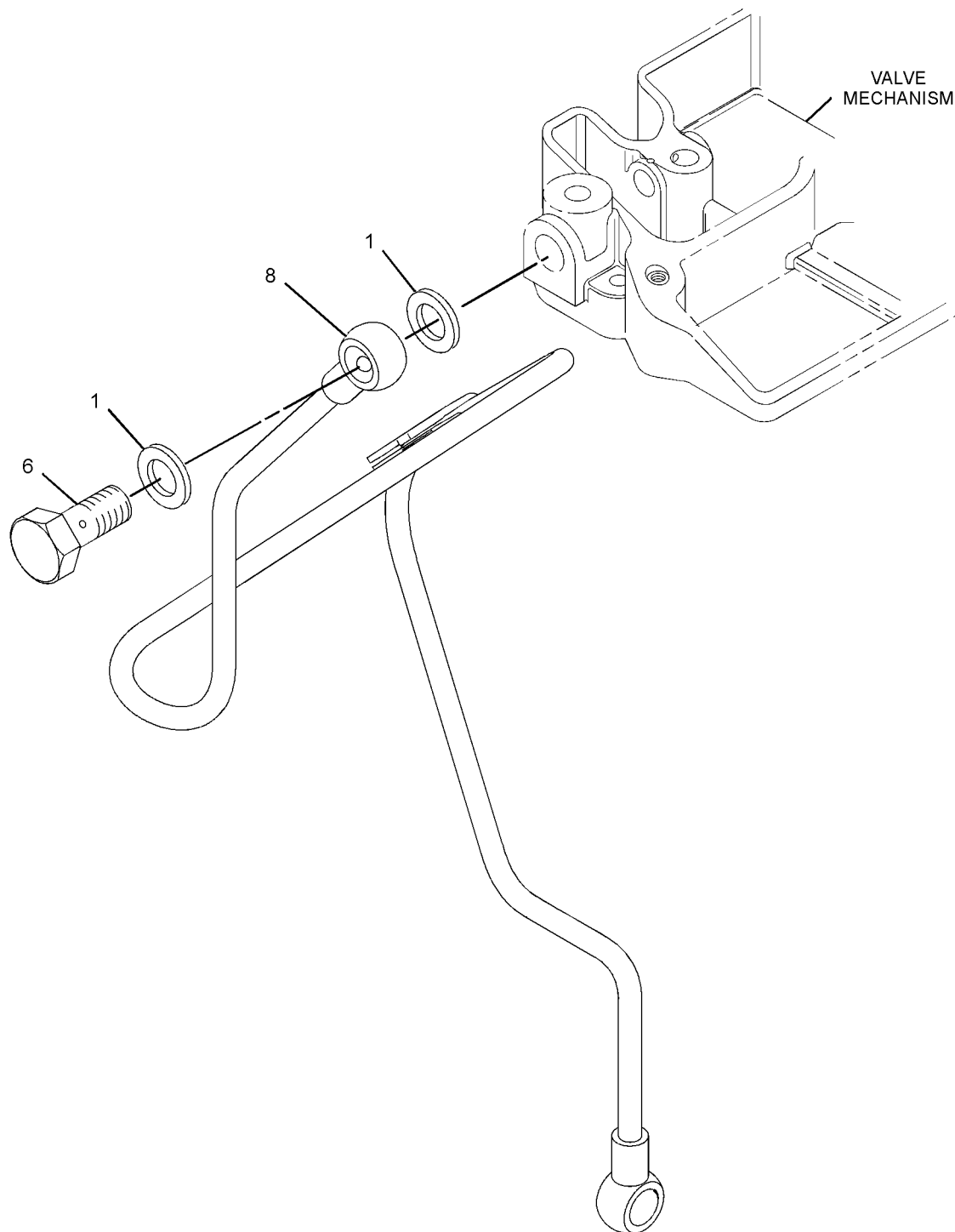
GRAPHIC #1

g01410345

LUBRICATION SYSTEM

308-2287 PUMP GP-ENGINE OIL (contd.)

i03202203



GRAPHIC #2

<END>

g01410346

LUBRICATION SYSTEM

309-6717 PUMP GP-ENGINE OIL

SMCS-1304, 1315

i02770102

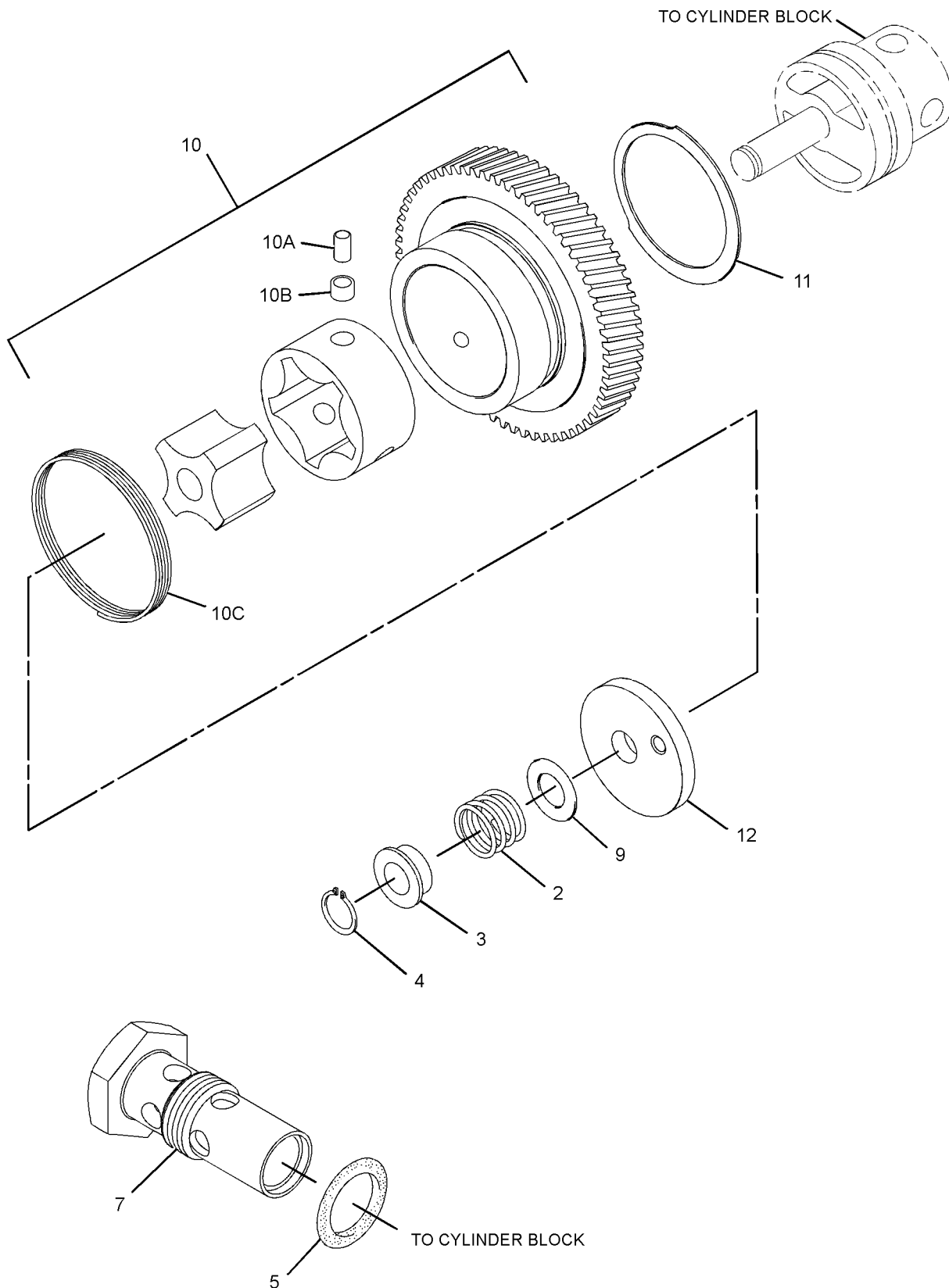
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	153-5936	2	WASHER						
	2	1	153-6849	1	SPRING						
	3	1	153-6850	1	COLLAR						
	4	1	153-6851	1	CLIP						
	5	1	153-6853	1	SEAL-O-RING						
	6	2	153-6881	1	BOLT						
	7	1	154-1942	1	VALVE-RELIEF (ENGINE OIL PRESSURE)						
	8	2	154-2353	1	TUBE AS-OIL						
B	9	1	160-4150	1	SHIM (0.1-MM THK)						
B			160-4151	1	SHIM (0.15-MM THK)						
B			160-4152	1	SHIM (0.2-MM THK)						
B			160-4153	1	SHIM (0.5-MM THK)						
	10	1	309-6727	1	GEAR AS-IDLER (62-TEETH)						
	10A	1	154-1677	1	BUSHING						
	10B	1	154-1678	1	DOWEL						
	10C	1	308-1984	1	SPRING						
	11	1	308-1867	1	WASHER-THRUST						
	12	1	308-1869	1	COVER						

B-USE AS REQUIRED

LUBRICATION SYSTEM

309-6717 PUMP GP - ENGINE OIL (contd.)

i02770102



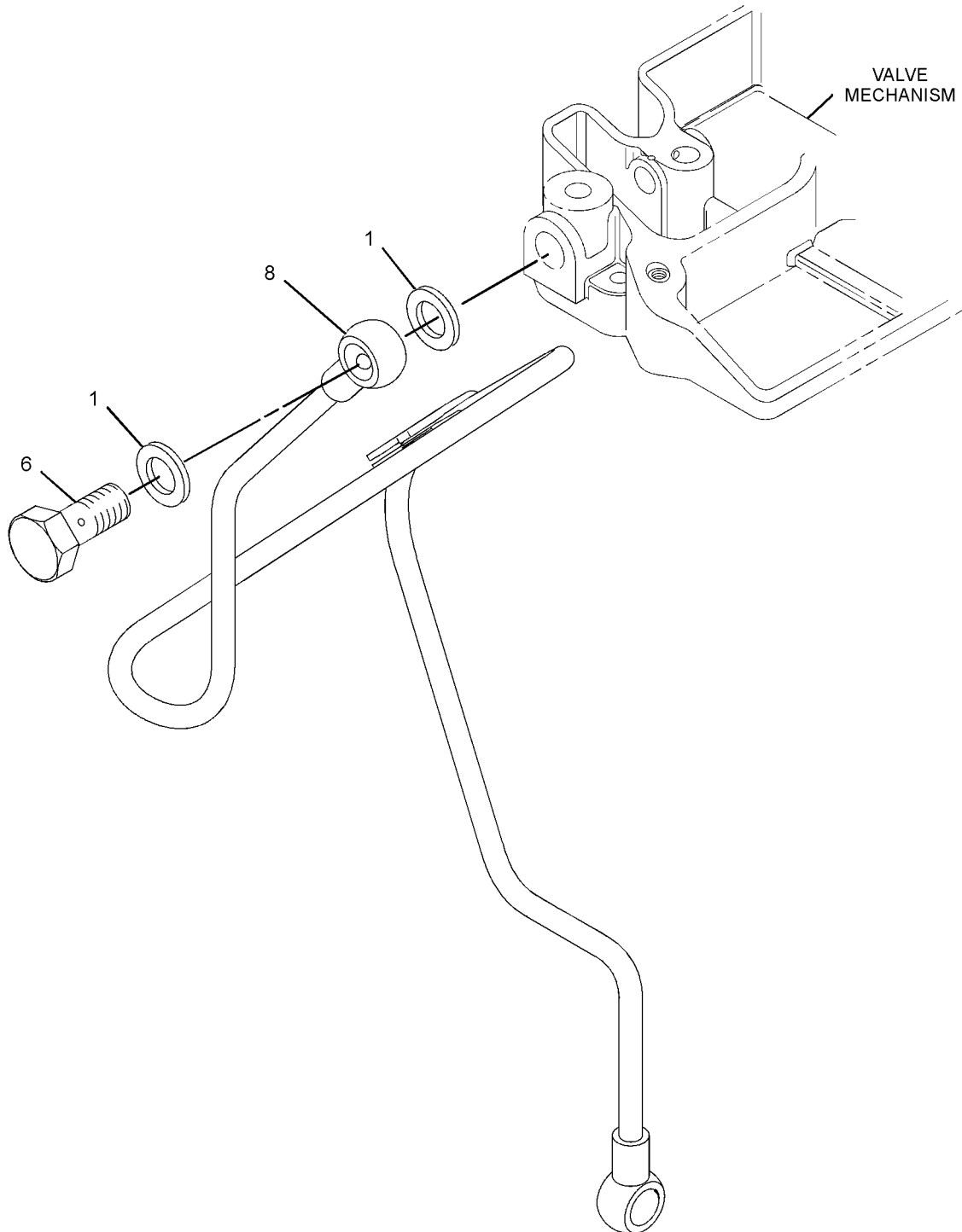
GRAPHIC #1

g01410345

LUBRICATION SYSTEM

309-6717 PUMP GP-ENGINE OIL (contd.)

i02770102



GRAPHIC #2

<END>

g01410346

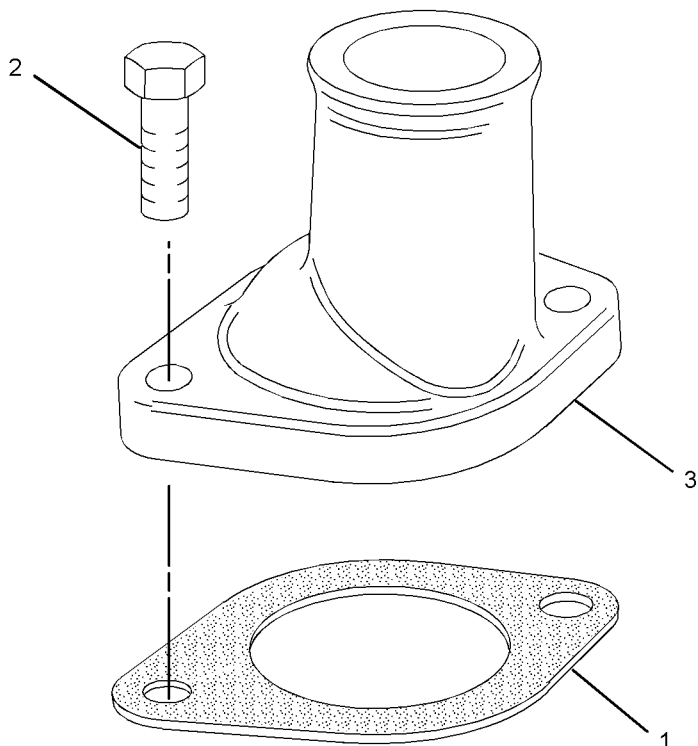
COOLING SYSTEM

308 - 2302 CONNECTION GP - WATER

SMCS - 1380

i02743424

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-1828	1	GASKET-COVER (WATER TEMPERATURE REGULATOR)						
	2	1	168-9001	2	BOLT						
	3	1	297-2996	1	COVER-HOUSING						



GRAPHIC #1

<END>

g01419372

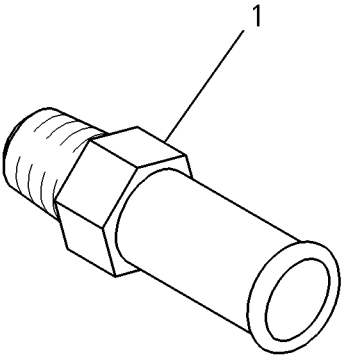
COOLING SYSTEM

317-7194 CONNECTOR GP - CAB HEATER LINES

SMCS-1380

i02853760

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	205-1133	2	CONNECTOR						



GRAPHIC #1

<END>

g00785852

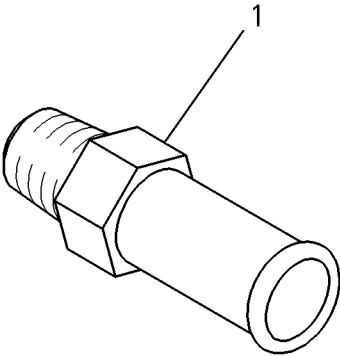
COOLING SYSTEM

322 - 2427 CONNECTOR GP - CAB HEATER LINES

SMCS - 1380

i02905431

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	205 - 1133	1	CONNECTOR						



GRAPHIC #1

<END>

g00785852

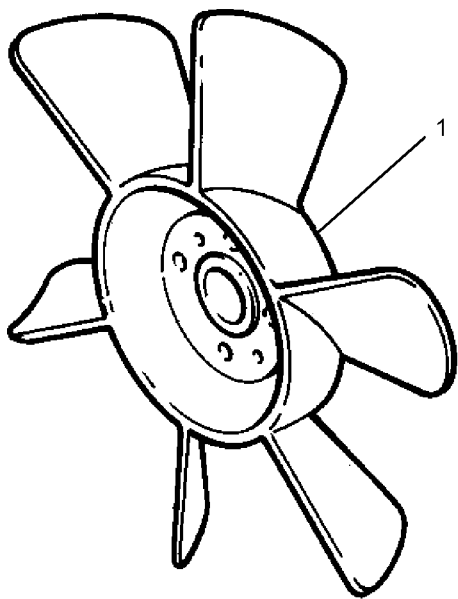
COOLING SYSTEM

319 - 1623 FAN GP - BLOWER

SMCS-1356, 1360

i02980190

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	183-3552	1	FAN - BLOWER						



GRAPHIC #1

<END>

g01640094

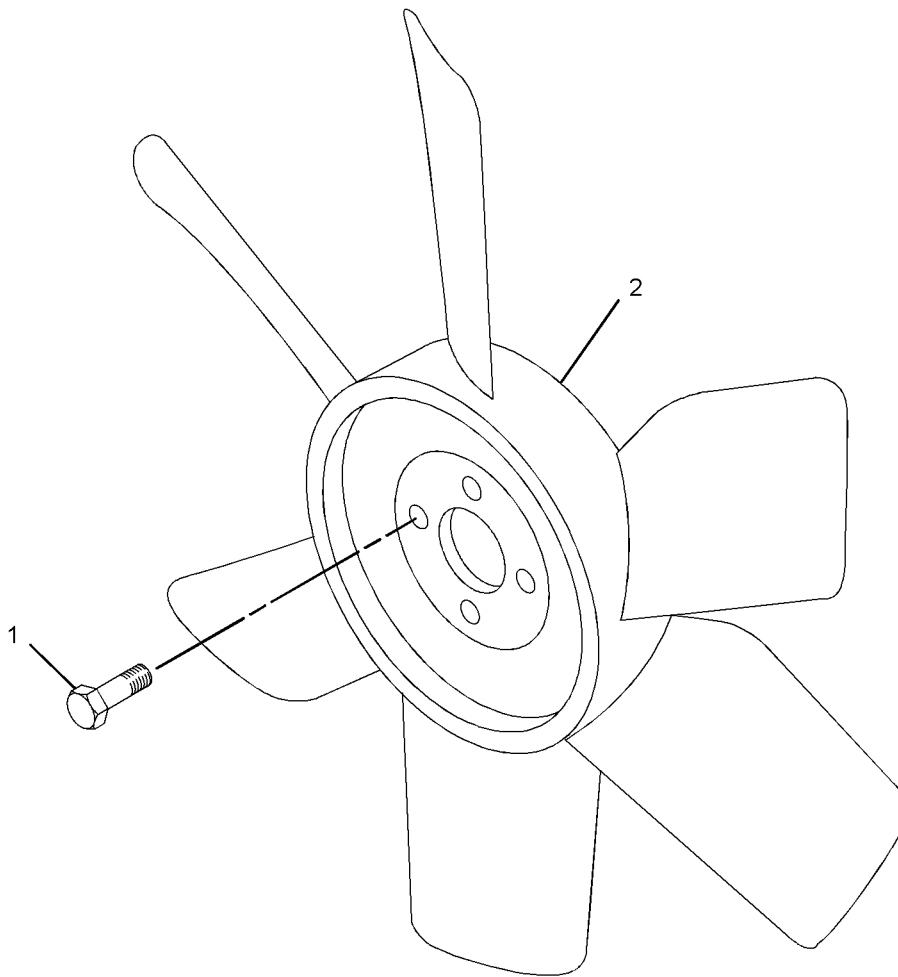
COOLING SYSTEM

308-2303 FAN GP-SUCTION

SMCS-1356

i02752269

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	165-2141	4	BOLT						
	2	1	183-3551	1	FAN-SUCTION						



GRAPHIC #1

<END>

g01415664

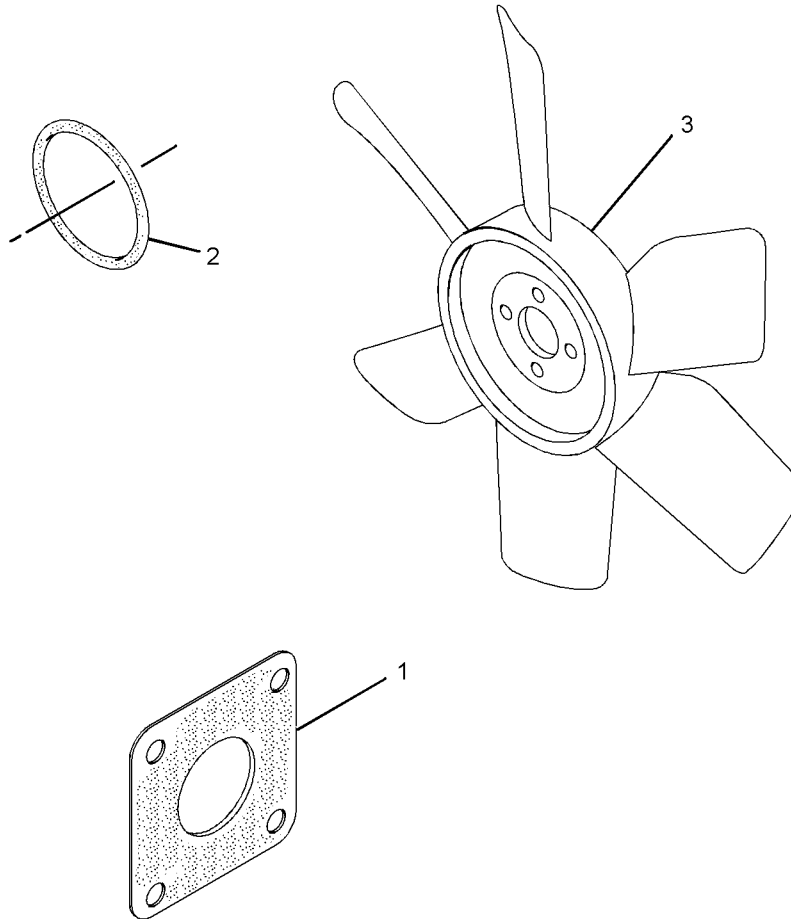
COOLING SYSTEM

322 - 2425 PUMP GP - GEAR

SMCS - 1356

i02908391

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-7920	1	GASKET						
	2	1	095-1708	1	SEAL-O-RING						
	3	1	183-3551	1	FAN-SUCTION						



GRAPHIC #1

<END>

g01627829

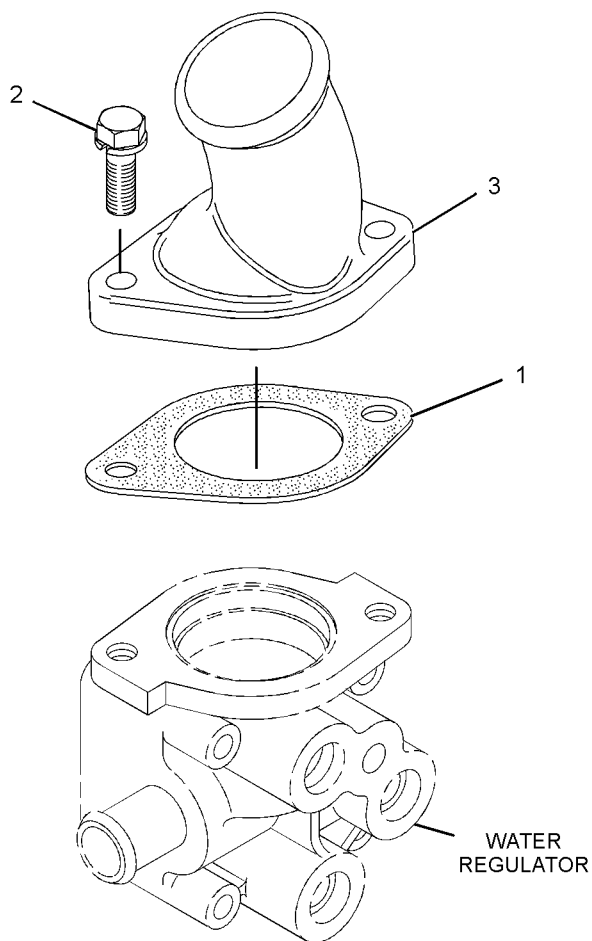
COOLING SYSTEM

317-0980 HOUSING GP-WATER REGULATOR

SMCS-1393

i02911797

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-1828	1	GASKET-COVER (TEMPERATURE REGULATOR)						
	2	1	168-9001	2	BOLT						
	3	1	217-7379	1	HOUSING						



GRAPHIC #1

<END>

g01439312

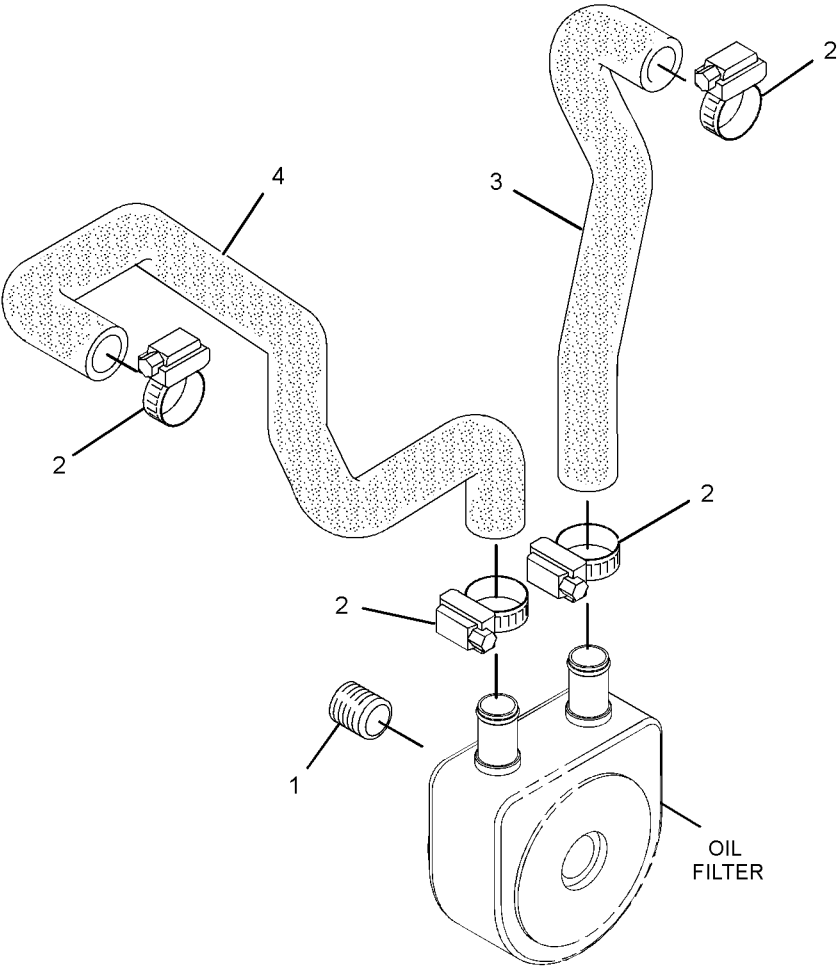
COOLING SYSTEM

331-2589 LINES GP-COOLANT

SMCS-1380

i03077027

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6879	1	STUD-HOLLOW						
	2	1	160-4826	4	CLAMP-HOSE						
	3	1	238-9145	1	HOSE (OIL COOLER)						
	4	1	331-2590	1	HOSE						



GRAPHIC #1

<END>

g01627946

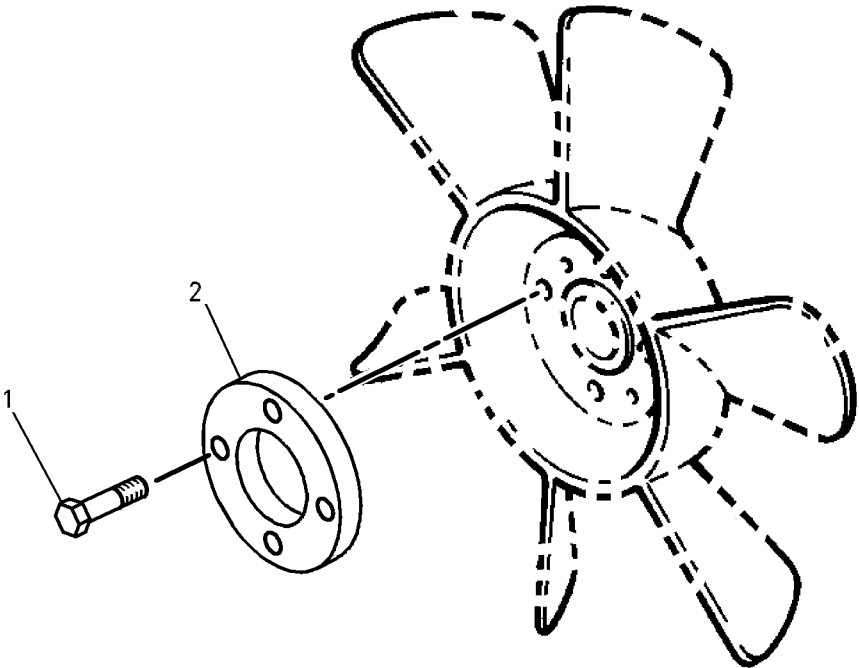
COOLING SYSTEM

154-2435 MOUNTING GP - FAN

SMCS-1356

i03082405

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	153-7640	4	BOLT	
	2	1	154-2433	1	PLATE	



GRAPHIC #1

<END>

g00485543

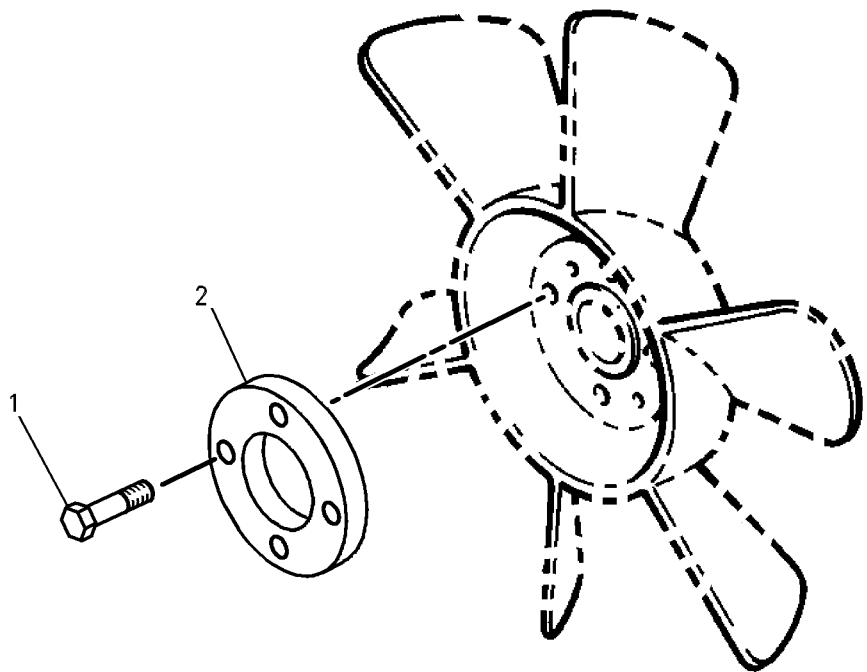
COOLING SYSTEM

315-7813 MOUNTING GP-FAN

SMCS-1356

i02810576

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-7640	4	BOLT						
	2	1	154-2433	1	PLATE						



GRAPHIC #1

<END>

g00485543

COOLING SYSTEM

218 - 2305 PUMP GP - WATER

SMCS - 1361

i03082429

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5960	3	NUT						
	2	1	153-5961	4	BOLT						
	3	1	153-6856	2	BOLT						
Y	4	1	311-0053	1	PUMP GP - WATER						177
	5	1	303-0307	1	GASKET						
	6	1	267-0328	1	HOSE						
	7	1	154-1824	2	CLAMP - HOSE						
	8	1	215-2617	1	GASKET						
	9	1	251-7660	1	REGULATOR - WATER TEMPERATURE						
	10	1	217-7379	1	HOUSING						
	11	1	154-1828	1	GASKET - COVER (WATER TEMPERATURE REGULATOR)						
	12	1	154-2700	1	HOUSING - REGULATOR (WATER TEMPERATURE REGULATOR)						
	13	1	165-2141	2	BOLT						
	14	1	218-2317	1	PLUG						
F			297-2996	1	COVER - HOUSING						

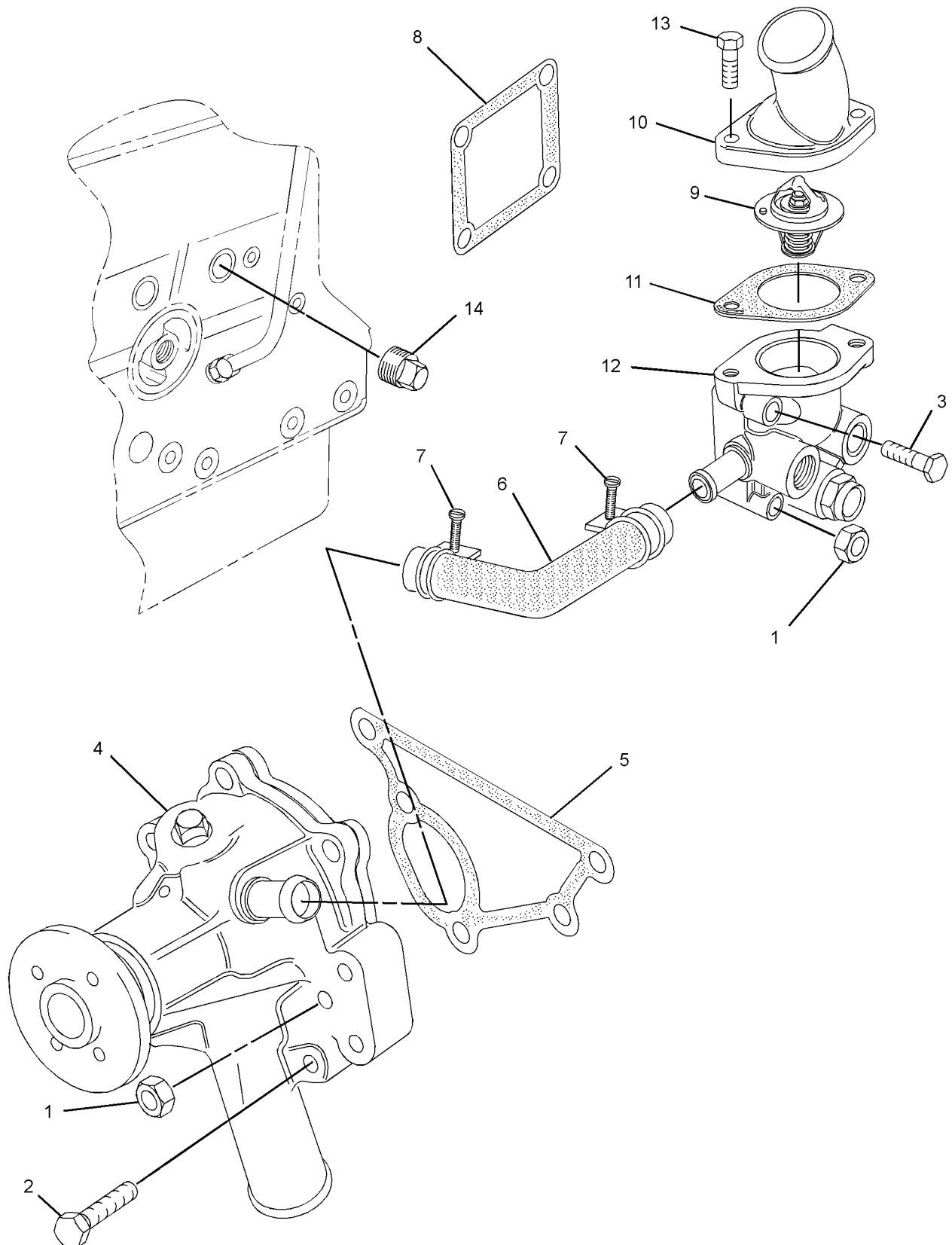
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Y - SEPARATE ILLUSTRATION

COOLING SYSTEM

218 - 2305 PUMP GP - WATER (contd.)

i03082429



GRAPHIC #1

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g01375723

COOLING SYSTEM

308 - 2301 PUMP GP - WATER

SMCS - 1361

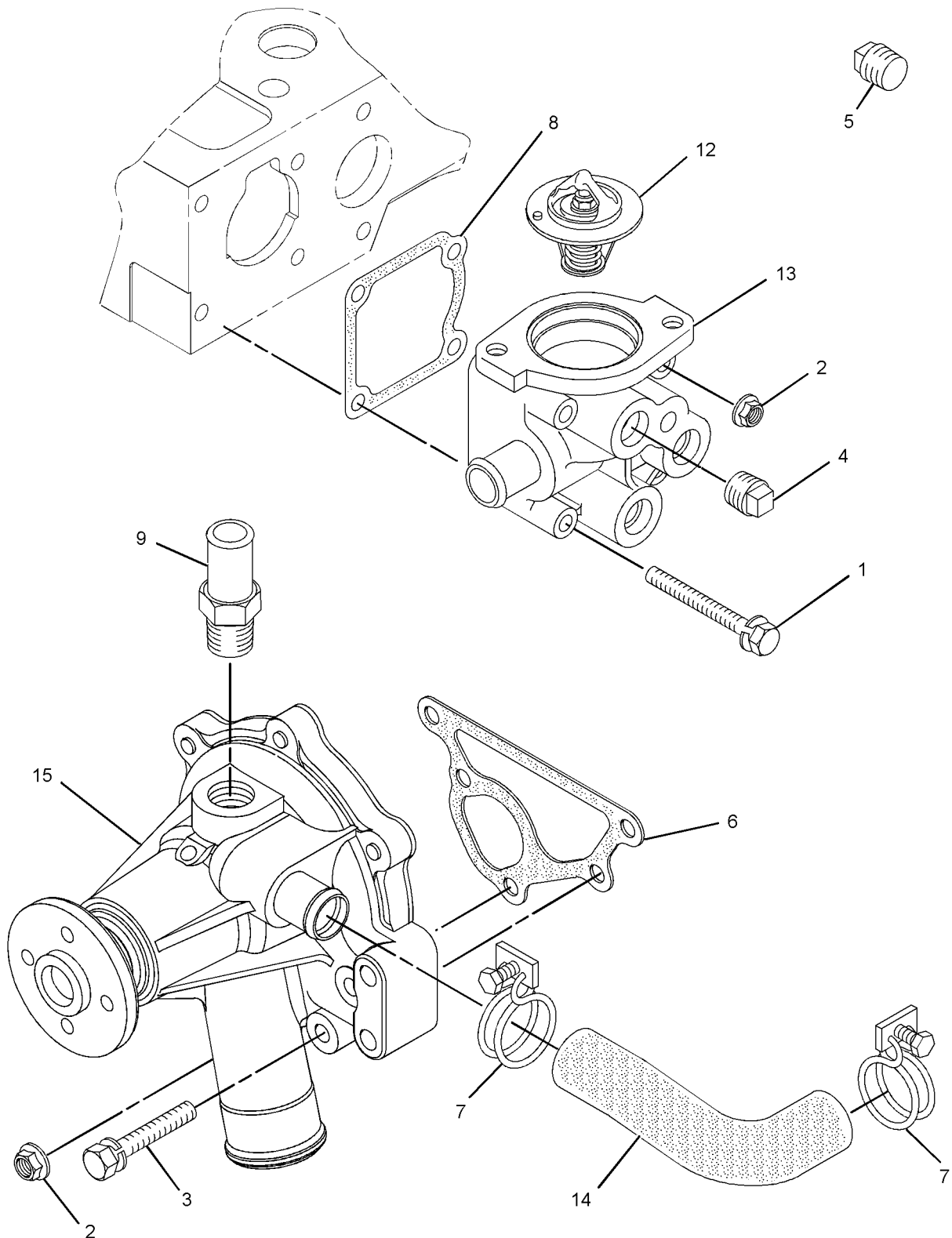
i03186410

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	308 - 1907	2	BOLT						
	2	1	153 - 5960	3	NUT						
	3	1	153 - 5961	4	BOLT						
	4	1	154 - 1817	1	PLUG						
	5	1	154 - 1831	1	PLUG						
	6	1	308 - 1908	1	GASKET - WATER PUMP						
	7	1	5D - 1026	2	CLAMP - HOSE						
	8	1	215 - 2617	1	GASKET (HOUSING)						
	9	1	238 - 9137	1	CONNECTION						
	10	2	238 - 9143	1	CONNECTION						
	11	2	245 - 1361	1	COOLER AS - OIL (ENGINE)						
	11A	2	245 - 1362	1	CONNECTOR						
	11B	2	245 - 1364	1	SEAL						
	12	1	249 - 5541	1	REGULATOR - WATER TEMPERATURE						
	13	1	286 - 7495	1	HOUSING - THERMOSTAT						
	14	1	286 - 7496	1	HOSE - WATER						
	15	1	311 - 0023	1	PUMP - WATER						

COOLING SYSTEM

308-2301 PUMP GP-WATER (contd.)

i03186410



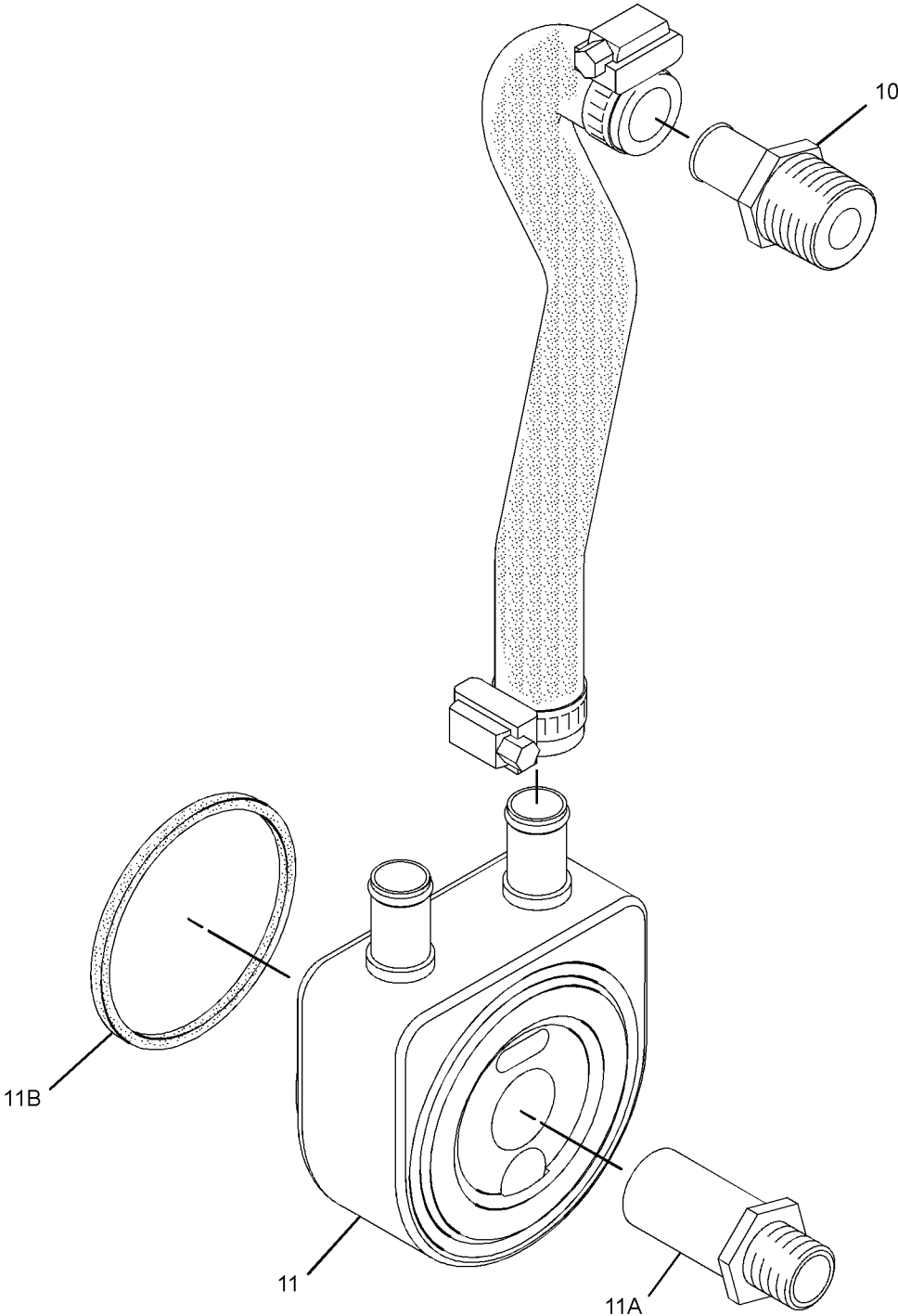
GRAPHIC #1

g01626853

COOLING SYSTEM

308-2301 PUMP GP-WATER (contd.)

i03186410



GRAPHIC #2

<END>

g01626854

COOLING SYSTEM

309 - 6721 PUMP GP - WATER

SMCS - 1361

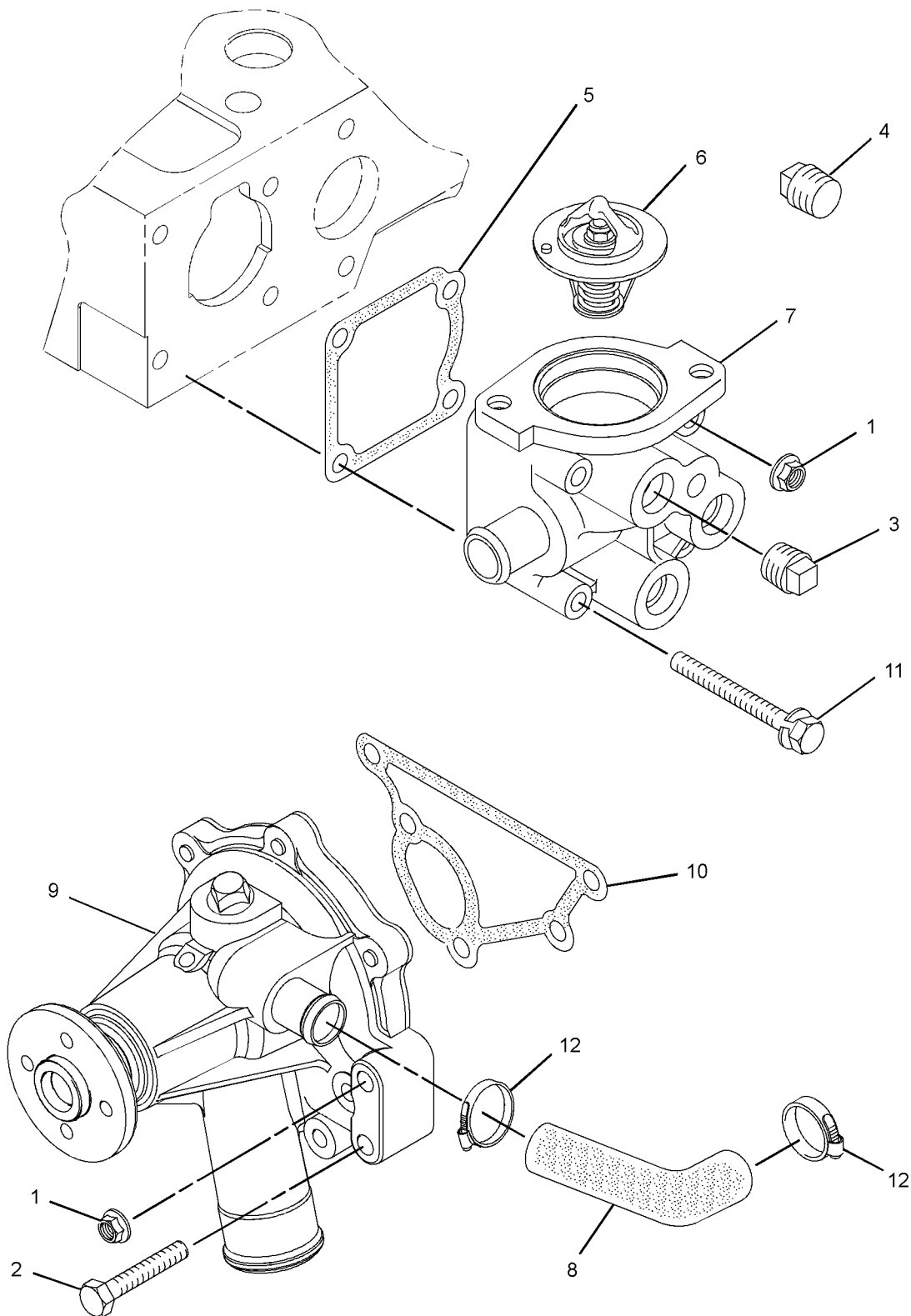
i02946981

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5960	3	NUT						
	2	1	153-5961	4	BOLT						
	3	1	154-1817	1	PLUG						
	4	1	154-1831	1	PLUG						
	5	1	215-2617	1	GASKET (HOUSING)						
	6	1	249-5541	1	REGULATOR-WATER TEMPERATURE						
	7	1	286-7495	1	HOUSING-THERMOSTAT						
	8	1	286-7496	1	HOSE-WATER						
	9	1	311-0023	1	PUMP-WATER						
	10	1	303-0307	1	GASKET (WATER PUMP)						
	11	1	308-1907	2	BOLT						
	12	1	5D-1026	2	CLAMP-HOSE						

COOLING SYSTEM

309-6721 PUMP GP-WATER (contd.)

i02946981



GRAPHIC #1

<END>

g01397808

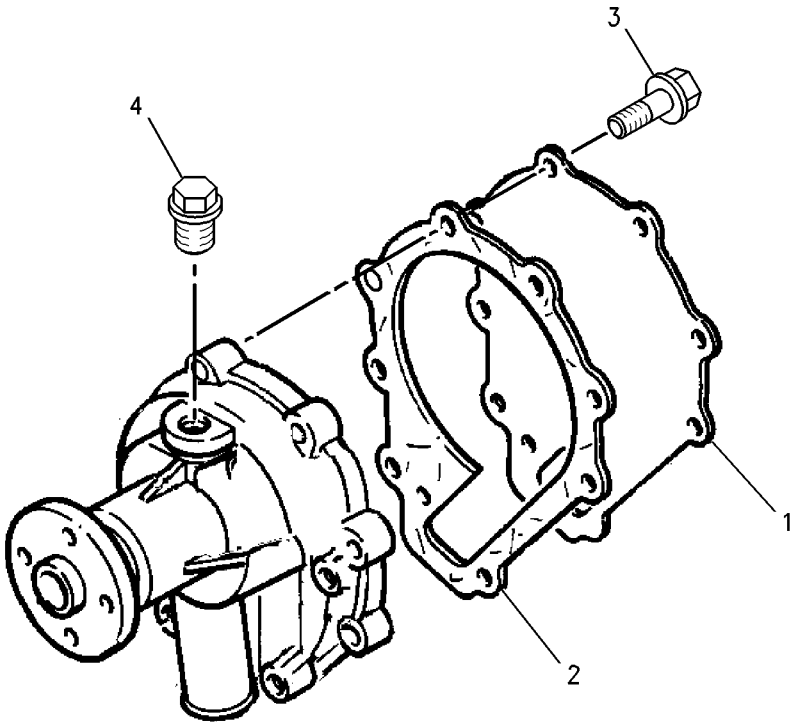
COOLING SYSTEM

311-0053 PUMP GP-WATER PART OF 218-2305 PUMP GP-WATER

SMCS-1361

i03103422

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154-1818	1	PLATE						
	2	1	302-4159	1	GASKET (WATER PUMP)						
	3	1	154-1820	3	BOLT						
	4	1	154-1817	1	PLUG						



GRAPHIC #1

<END>

g00702044

COOLING SYSTEM

317-0979 PUMP GP-WATER

SMCS-1361

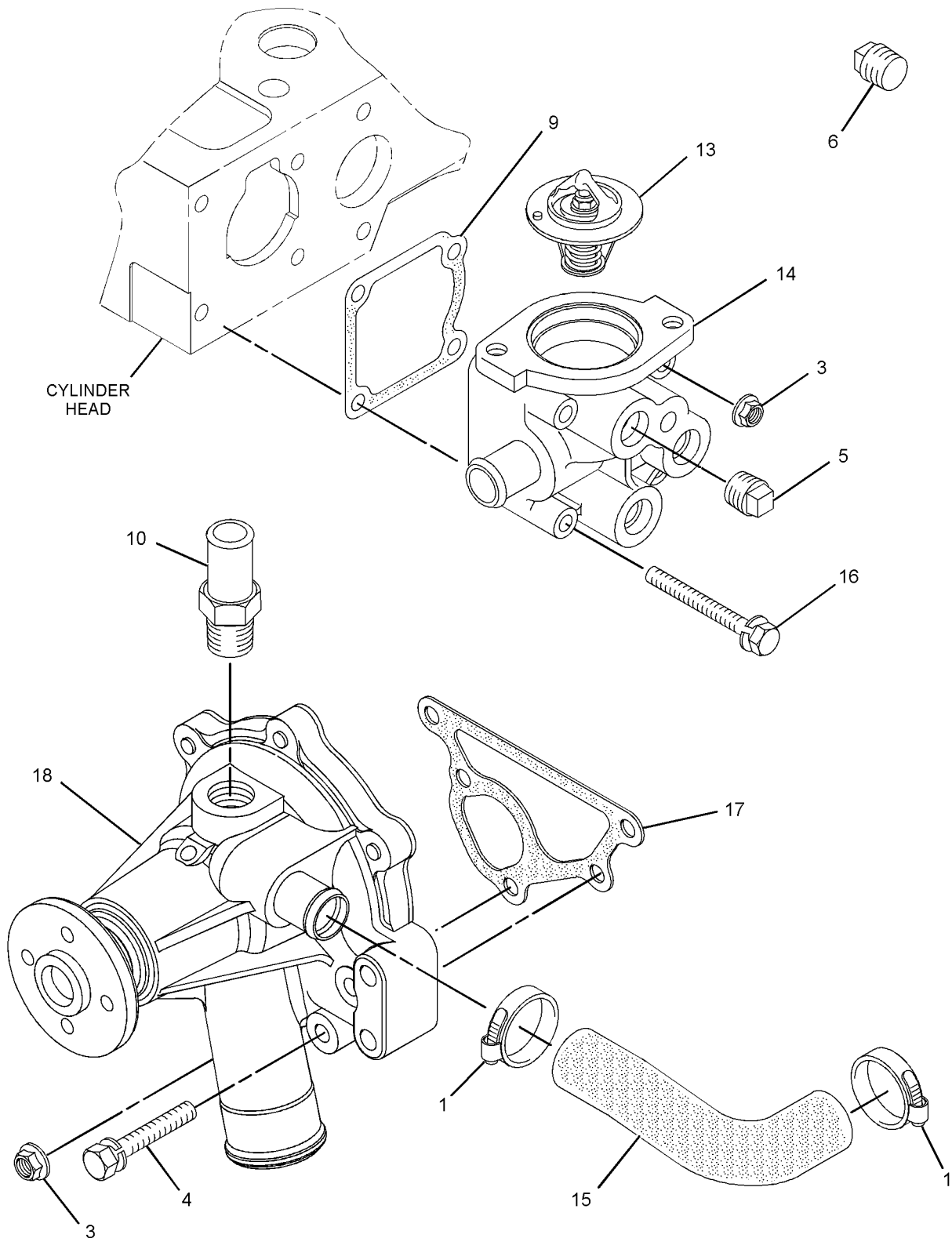
i02959263

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	5D-1026	2	CLAMP-HOSE						
	2	2	127-8281	1	CLIP						
	3	1	153-5960	3	NUT						
	4	1	153-5961	4	BOLT						
	5	1	154-1817	1	PLUG						
	6	1	154-1831	1	PLUG						
	7	2	155-7984	1	WASHER						
	8	2	180-6118	1	BOLT						
	9	1	215-2617	1	GASKET						
	10	1	238-9137	1	CONNECTION						
	11	2	238-9143	1	CONNECTION						
	12	2	245-1361	1	COOLER AS-OIL (ENGINE)						
	12A	2	245-1362	1	CONNECTOR						
	12B	2	245-1364	1	SEAL						
	13	1	249-5541	1	REGULATOR-WATER TEMPERATURE						
	14	1	286-7495	1	HOUSING-THERMOSTAT						
	15	1	286-7496	1	HOSE-WATER						
	16	1	308-1907	2	BOLT						
	17	1	308-1908	1	GASKET-WATER PUMP						
	18	1	311-0023	1	PUMP-WATER						

COOLING SYSTEM

317-0979 PUMP GP-WATER (contd.)

i02959263



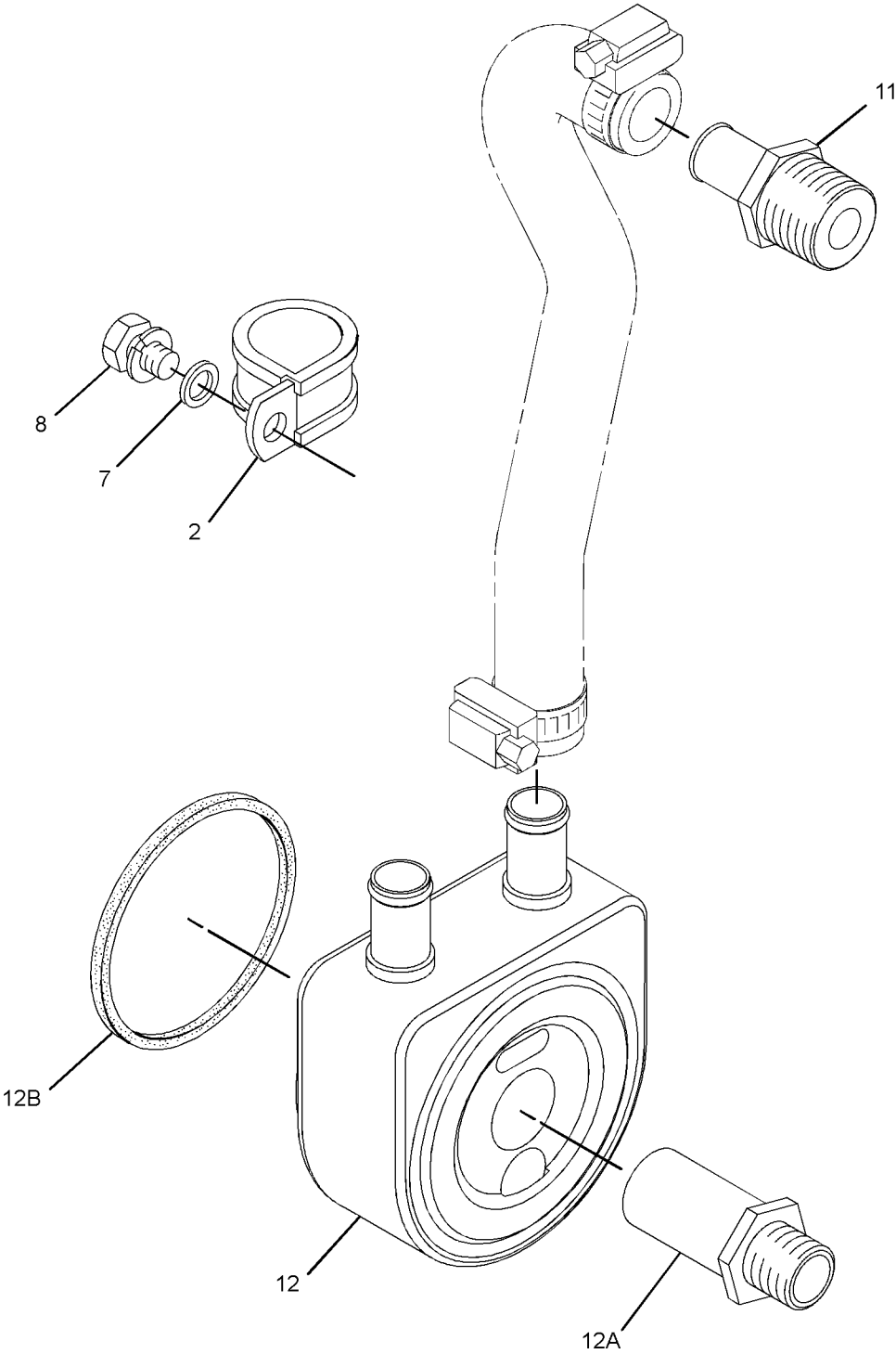
GRAPHIC #1

g01439166

COOLING SYSTEM

317-0979 PUMP GP-WATER (contd.)

i02959263



GRAPHIC #2

<END>

g01439167

COOLING SYSTEM

331 - 2552 RADIATOR & FAN GP

SMCS - 1353, 1356

i03158580

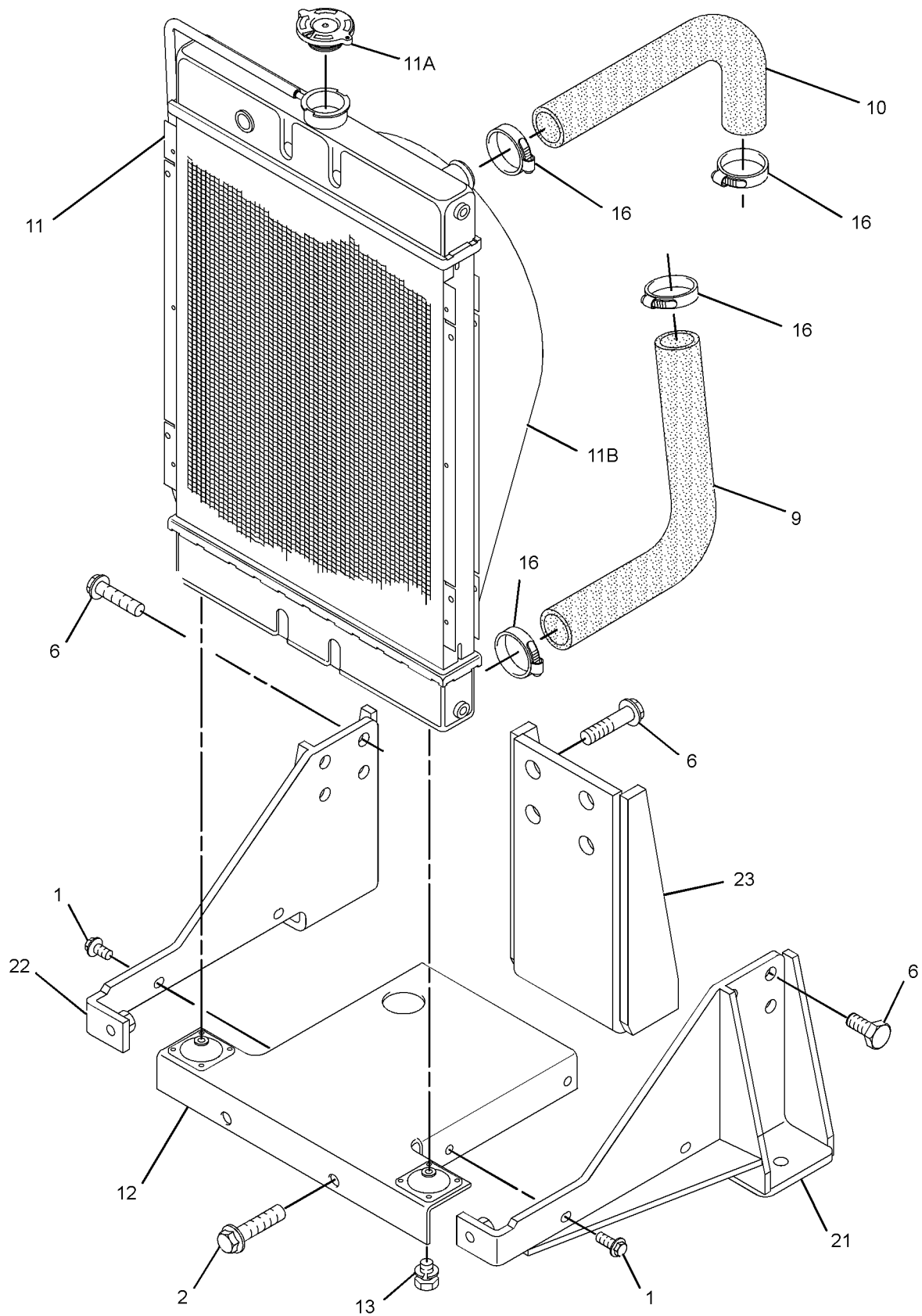
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1, 2	6I-0217	6	BOLT (M8X1.25X20-MM)						
	2	1	6I-0917	2	BOLT (M6X1X25-MM)						
M	3	2	124-3815	6	BOLT (M8X16X1.25-MM)						
	4	2	153-5592	2	NUT						
	5	2	180-6118	10	BOLT						
	6	1	198-2664	16	BOLT						
	7	2	236-6610	1	MOUNT						
	8	2	238-0128	1	FAN-BLOWER						
	9	1	238-0265	1	HOSE-RADIATOR						
	10	1	238-0266	1	HOSE-RADIATOR						
	11	1	238-0271	1	RADIATOR AS						
	11A	1	202-6616	1	CAP-RADIATOR						
	11B	1	295-5876	1	SHROUD						
	12	1	239-0743	1	SUPPORT						
	13	1	239-1137	2	BOLT (M10X1.25X25-MM)						
	14	2	249-7263	4	BOLT						
	15	2	292-1988	1	GUARD						
	16	1	316-9550	4	CLAMP-HOSE						
	17	2	325-5922	1	GUARD-FAN						
	18	2	325-5929	1	GUARD-ALTERNATOR						
	19	2	325-5933	1	BRACKET (TOP)						
	20	2	325-5935	1	BRACKET						
	21	1	325-5944	1	BRACKET (LH)						
	22	1	325-5946	1	BRACKET (RH)						
	23	1	325-5948	2	BRACKET (REAR RH)						
	24	2	331-2553	1	GUARD-FAN						

M-METRIC PART

COOLING SYSTEM

331-2552 RADIATOR & FAN GP (contd.)

i03158580



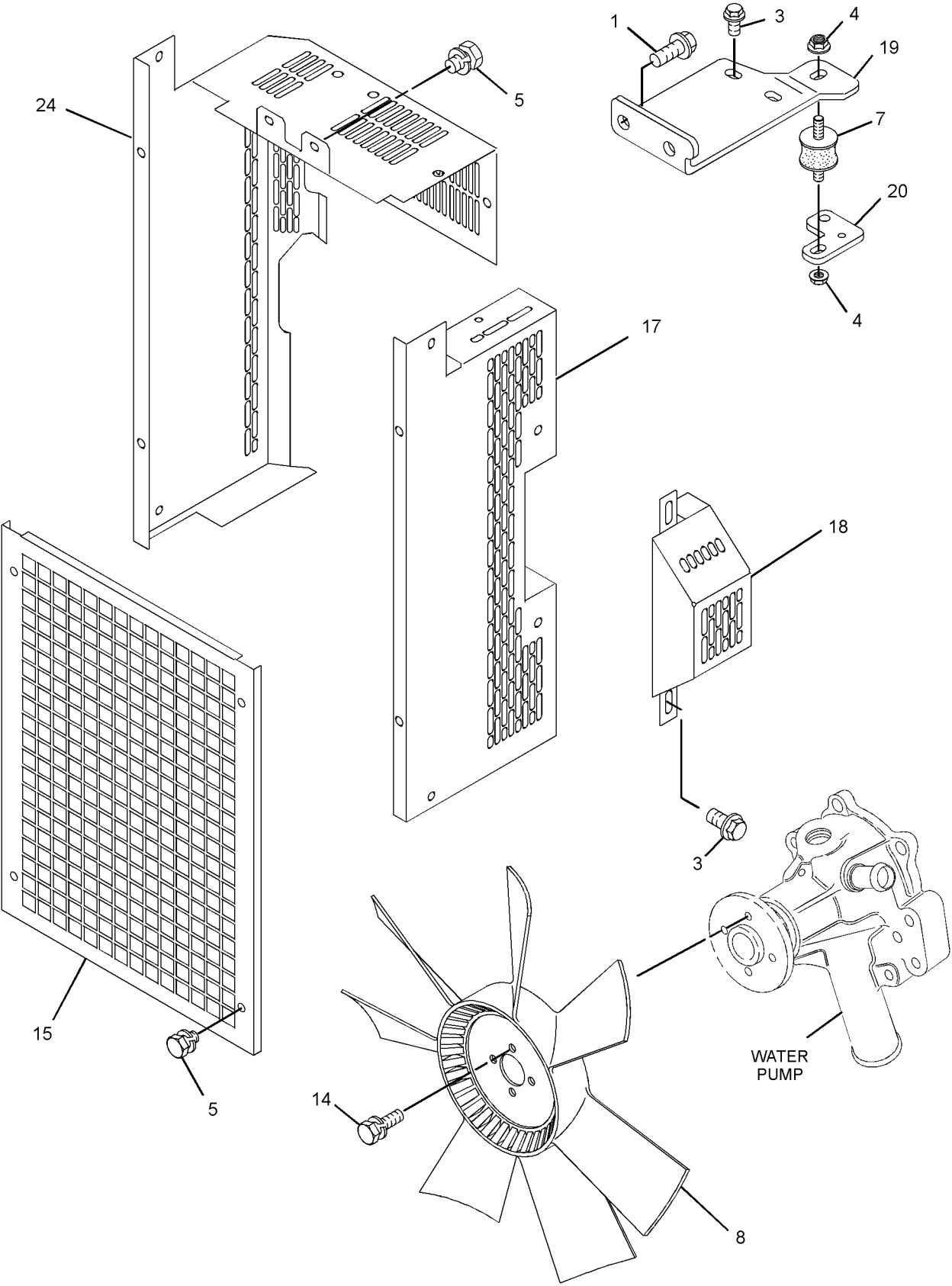
GRAPHIC #1

g01629133

COOLING SYSTEM

331-2552 RADIATOR & FAN GP (contd.)

i03158580



GRAPHIC #2

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g01629134

COOLING SYSTEM

331-3270 RADIATOR & FAN GP

SMCS-1353, 1356

i03085060

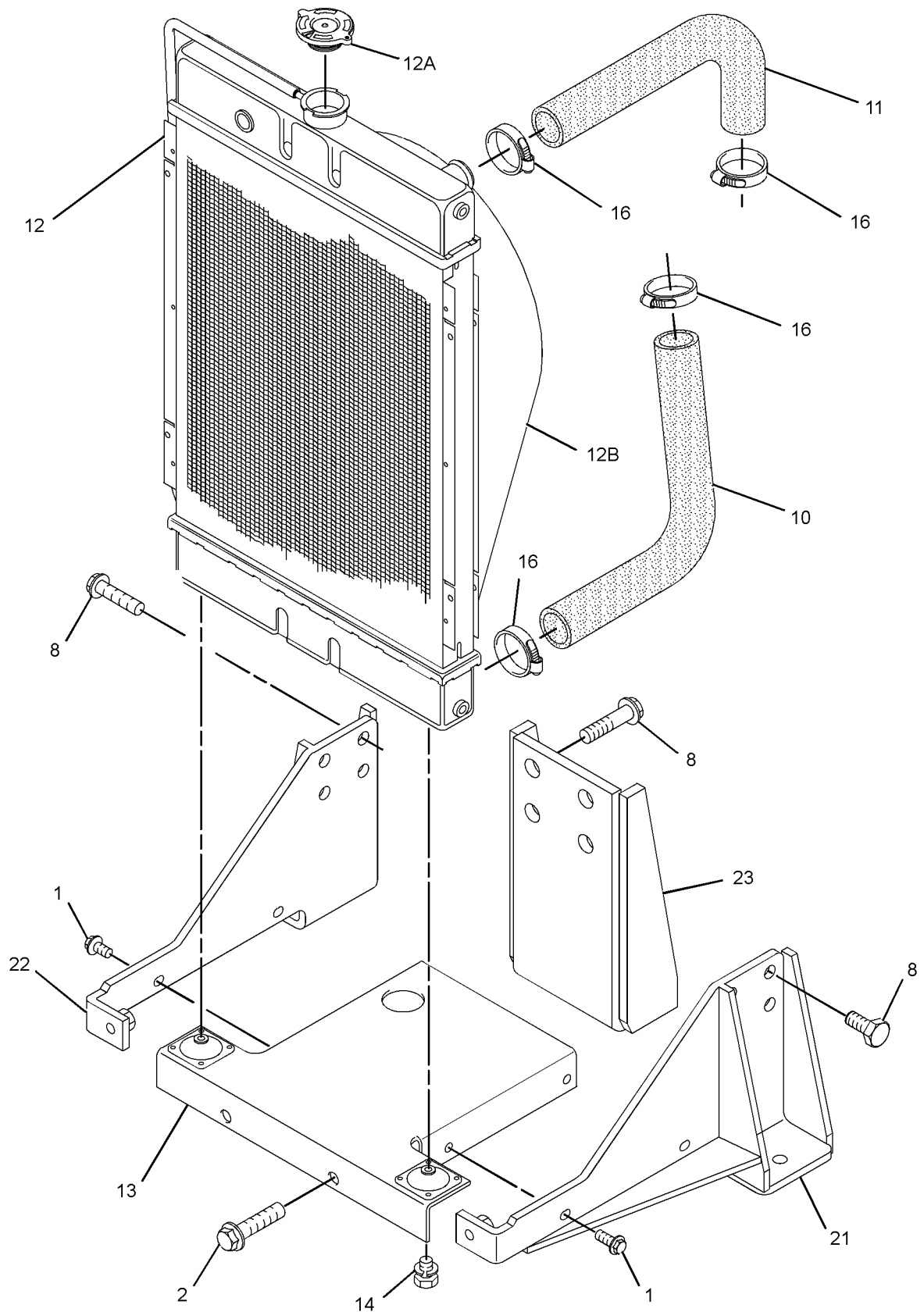
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1, 2	6I-0217	6	BOLT (M8X1.25X20-MM)						
	2	1	6I-0917	2	BOLT (M6X1X25-MM)						
M	3	2	124-3815	6	BOLT (M8X16X1.25-MM)						
	4	2	153-5592	2	NUT						
	5	2	153-6861	4	BOLT						
	6	2	161-8260	1	PLATE						
	7	2	180-6118	10	BOLT						
	8	1	198-2664	16	BOLT						
	9	2	236-6610	1	MOUNT						
	10	1	238-0265	1	HOSE-RADIATOR						
	11	1	238-0266	1	HOSE-RADIATOR						
	12	1	238-0271	1	RADIATOR AS						
	12A	1	202-6616	1	CAP-RADIATOR						
	12B	1	295-5876	1	SHROUD						
	13	1	239-0743	1	SUPPORT						
	14	1	239-1137	2	BOLT (M10X1.25X25-MM)						
	15	2	241-5821	1	FAN-SUCTION						
	16	1	316-9550	4	CLAMP-HOSE						
	17	2	325-5922	1	GUARD-FAN						
	18	2	325-5929	1	GUARD-ALTERNATOR						
	19	2	325-5933	1	BRACKET						
	20	2	325-5935	1	BRACKET						
	21	1	325-5944	1	BRACKET						
	22	1	325-5946	1	BRACKET						
	23	1	325-5948	2	BRACKET						
	24	2	292-1988	1	GUARD						
	25	2	331-2553	1	GUARD-FAN						

M-METRIC PART

COOLING SYSTEM

331-3270 RADIATOR & FAN GP (contd.)

i03085060



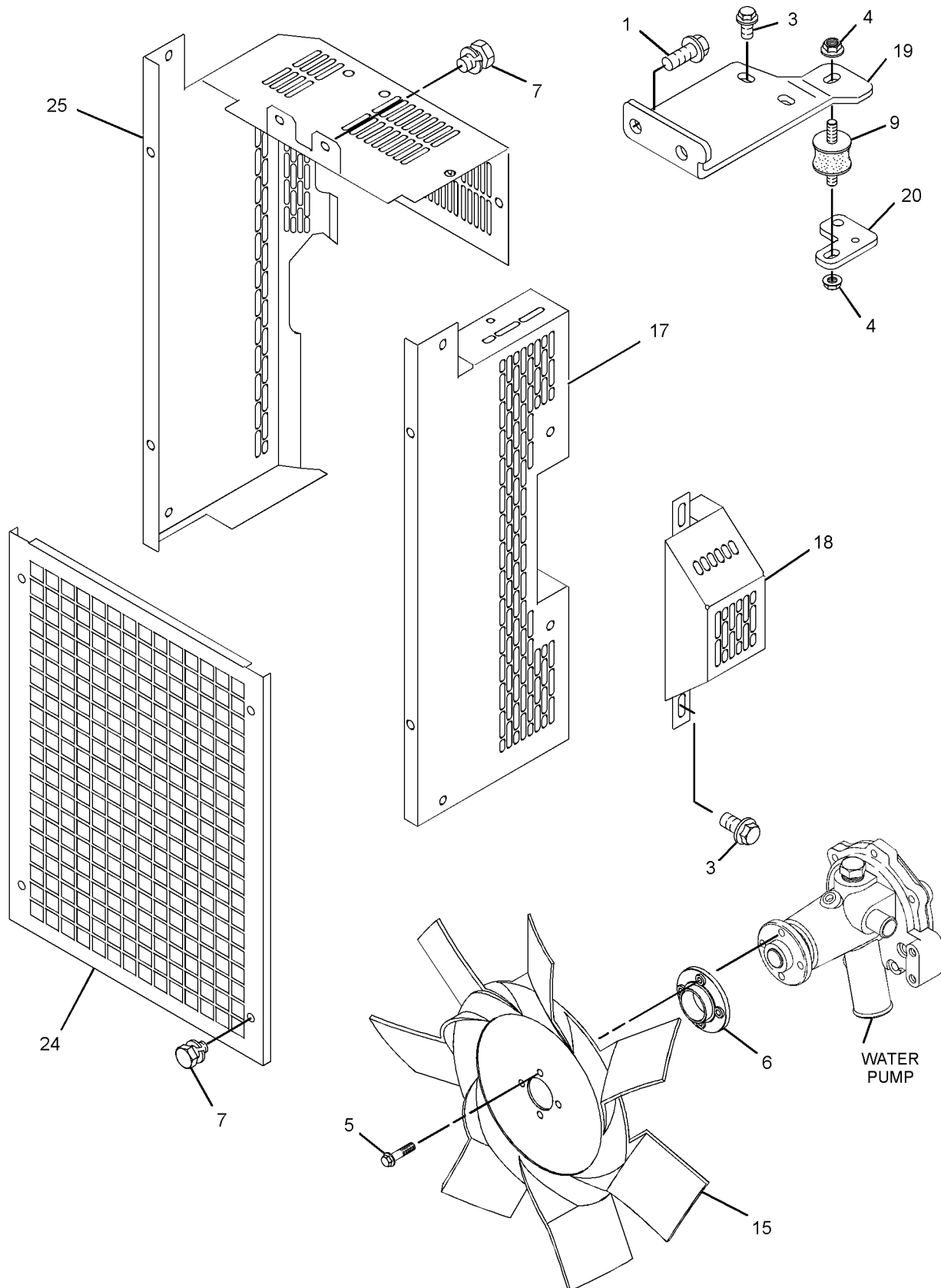
GRAPHIC #1

g01629513

COOLING SYSTEM

331-3270 RADIATOR & FAN GP (contd.)

i03085060



GRAPHIC #2

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g01629514

AIR INLET AND EXHAUST SYSTEM

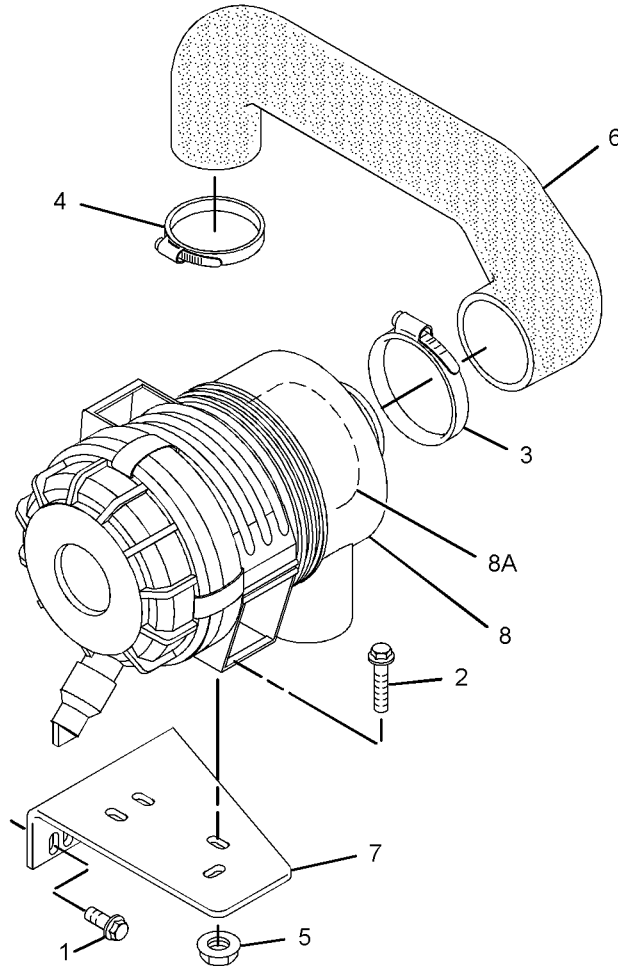
317-0649 AIR CLEANER GP

SMCS-1051, 1054

i03197290

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	6I-0217	2	BOLT (M8X1.25X20-MM)						
M	2	1	6I-0254	2	BOLT (M8X1.25X30-MM)						
	3	1	9M-7959	1	CLAMP-HOSE						
	4	1	103-6714	1	CLIP						
	5	1	153-5592	2	NUT						
	6	1	238-0245	1	HOSE-AIR CLEANER						
	7	1	247-1377	1	BRACKET-FILTER						
	8	1	247-1378	1	FILTER ELEMENT AS-AIR						
	8A	1	247-1380	1	FILTER ELEMENT-AIR						

M-METRIC PART



GRAPHIC #1

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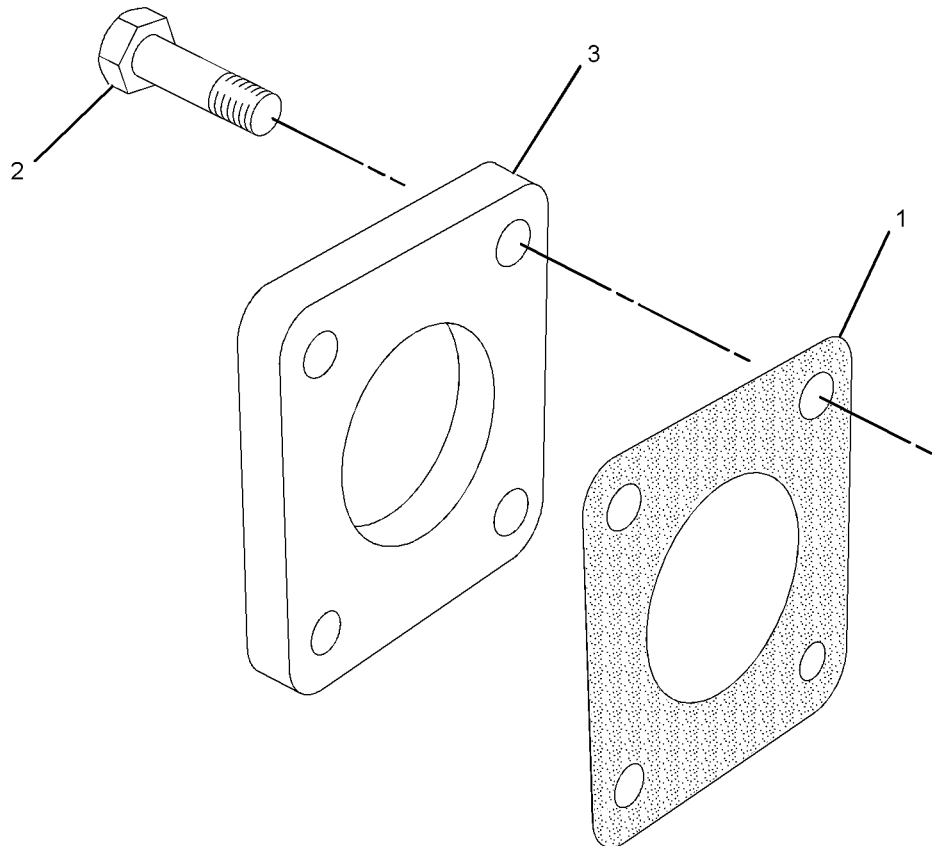
AIR INLET AND EXHAUST SYSTEM

308-2309 CONNECTION GP-EXHAUST

SMCS-1061

i02752287

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-7920	2	GASKET						
	2	1	168-9001	8	BOLT						
	3	1	197-8429	2	FLANGE						



GRAPHIC #1

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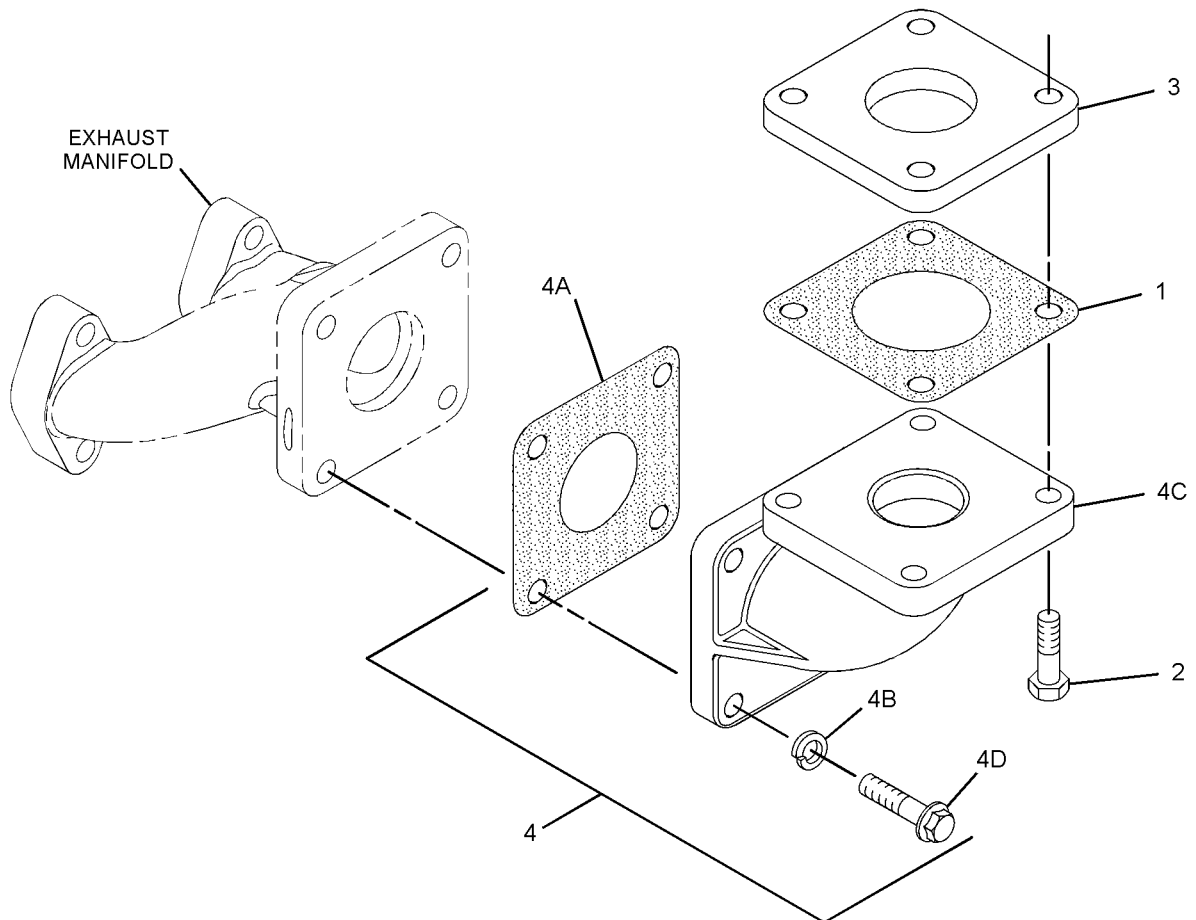
AIR INLET AND EXHAUST SYSTEM

308-5610 CONNECTION GP-EXHAUST

SMCS-1061

i02698093

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-7920	1	GASKET						
	2	1	168-9001	1	BOLT						
	3	1	197-8429	1	FLANGE						
	4	1	252-8372	1	ELBOW AS-EXHAUST						
	4A	1	153-7920	1	GASKET						
	4B	1	163-5372	4	WASHER (8X15.4X4-MM THK)						
	4C	1	191-0563	1	ELBOW-EXHAUST						
	4D	1	293-9223	4	BOLT						



GRAPHIC #1

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g01358328

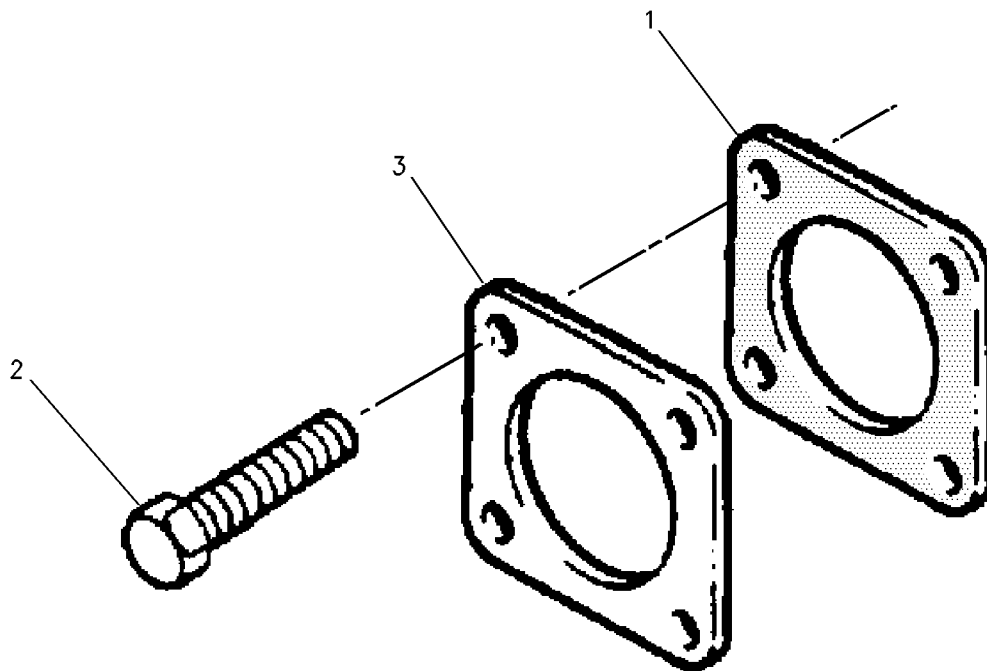
AIR INLET AND EXHAUST SYSTEM

197-8430 FLANGE GP - EXHAUST

SMCS-1061

i03082416

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-7920	1	GASKET						
	2	1	168-9001	4	BOLT						
	3	1	197-8429	1	FLANGE						



GRAPHIC #1

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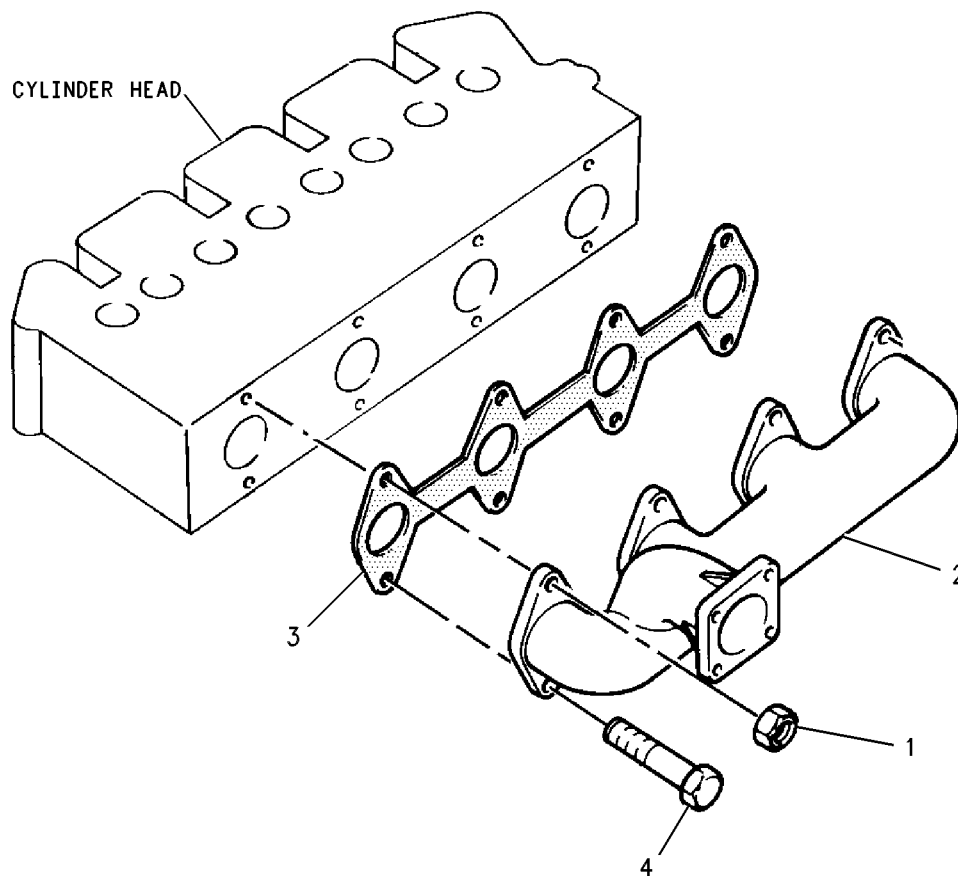
AIR INLET AND EXHAUST SYSTEM

160-3568 MANIFOLD GP-EXHAUST

SMCS-1059

i03082408

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	2	NUT						
	2	1	154-2426	1	MANIFOLD-EXHAUST						
	3	1	154-2427	1	GASKET-EXHAUST						
	4	1	154-2428	6	BOLT						



GRAPHIC #1

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g00483759

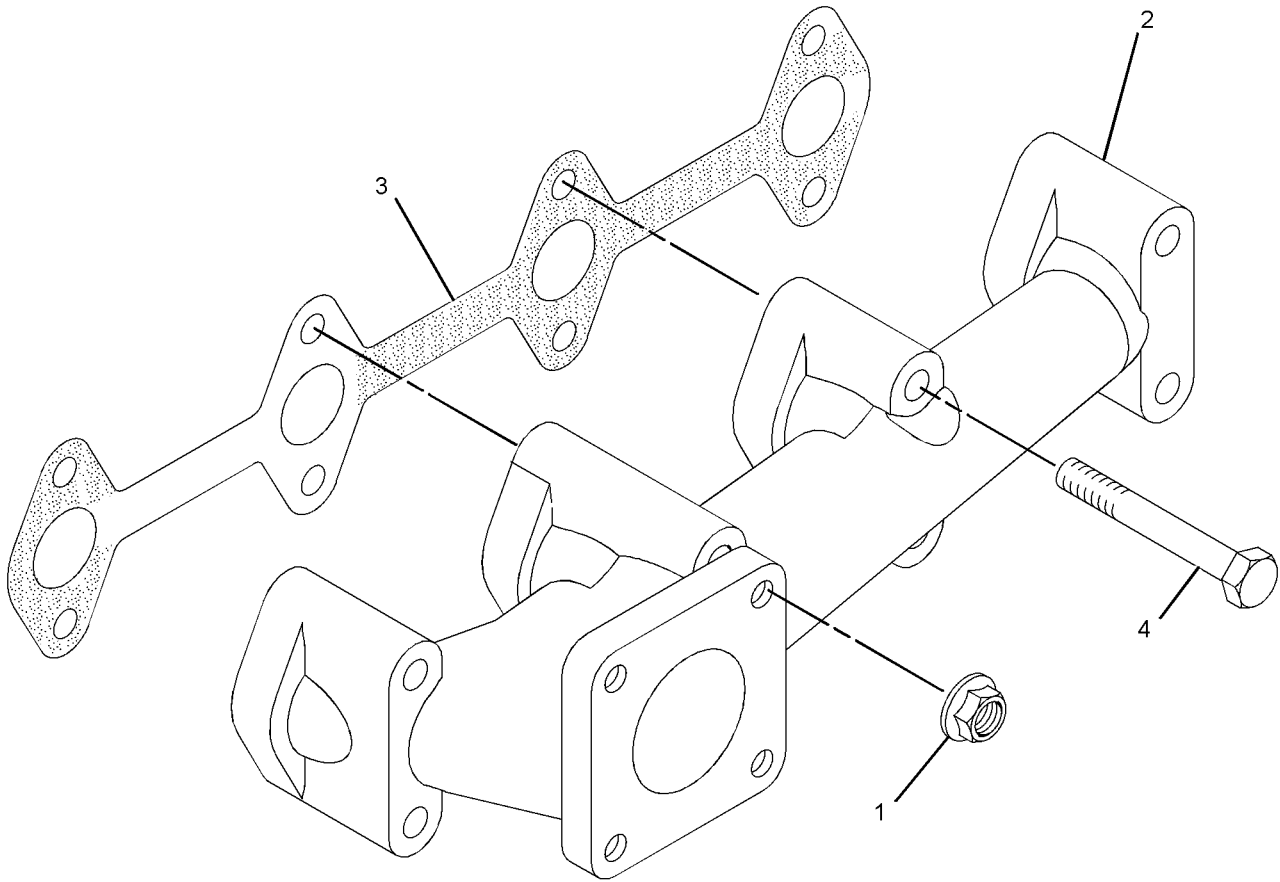
AIR INLET AND EXHAUST SYSTEM

309-6724 MANIFOLD GP-EXHAUST

SMCS-1059

i02770504

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	2	NUT						
	2	1	154-2426	1	MANIFOLD-EXHAUST						
	3	1	154-2427	1	GASKET-EXHAUST						
	4	1	154-2428	6	BOLT						



GRAPHIC #1

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g01419140

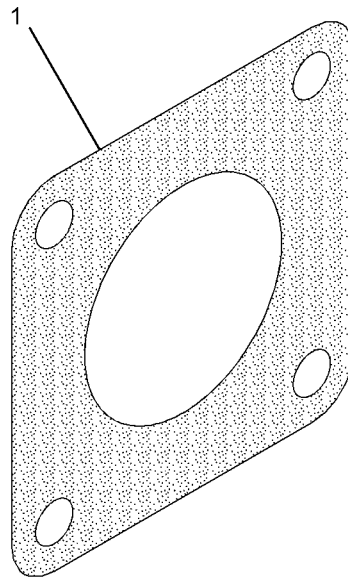
AIR INLET AND EXHAUST SYSTEM

315-5256 MANIFOLD GP-EXHAUST

SMCS-1059

i02810580

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-7920	1	GASKET						



GRAPHIC #1

<END>

g01413953

AIR INLET AND EXHAUST SYSTEM

308-2308 TURBOCHARGER GP

SMCS-1052, 1053

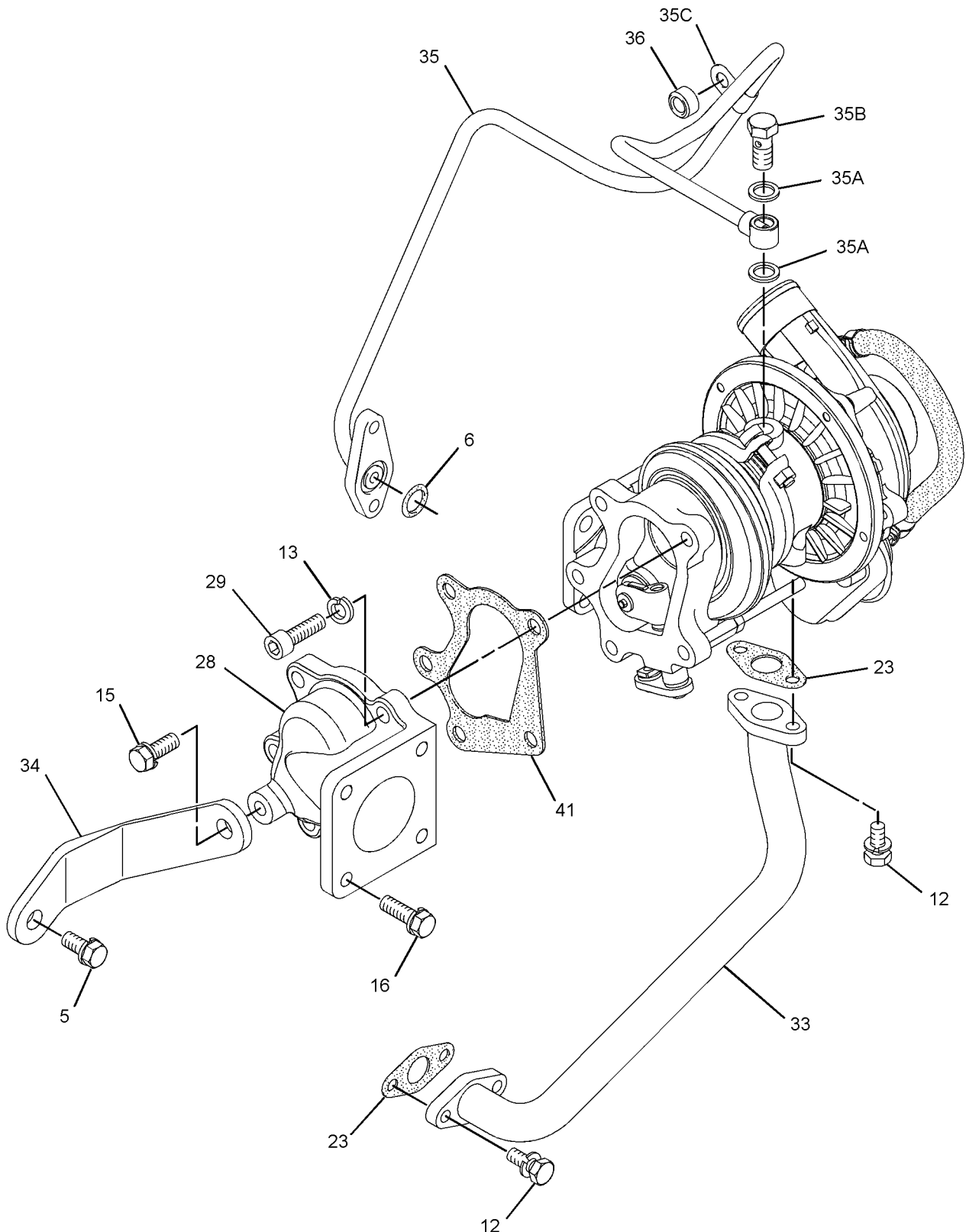
i02752284

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	064-3058	2	CLAMP-HOSE						
	2	2	153-5592	8	NUT						
	3	3	153-5939	1	GAUZE (CRANKCASE BREATHER)						
	4	3	153-5962	3	BOLT						
	5	1	153-6375	1	BOLT						
	6	1	153-6853	1	SEAL-O-RING						
	7	2	153-7640	2	BOLT						
	8	3	154-1347	4	NUT						
	9	2	154-2427	1	GASKET-EXHAUST						
	10	2	154-2428	4	BOLT						
	11	2	155-7984	4	WASHER						
	12	1	155-8009	4	BOLT						
	13	1	163-5372	5	WASHER (8X15.4X4-MM THK)						
	14	3	165-2140	2	BOLT						
	15	1	165-2141	1	BOLT						
	16	1	168-9001	4	BOLT						
	17	3	183-1165	1	PLUG						
	18	3	190-3762	4	WASHER						
	19	3	217-5859	1	VALVE-BREATHER (CRANKCASE)						
	20	3	217-5861	1	PLATE-RETAINING						
	21	3	217-5862	6	BOLT						
	22	2	217-5864	1	GASKET						
	23	1	225-8533	2	GASKET						
	24	3	233-0695	1	SEAL-VALVE COVER						
	25	2	236-9987	1	MANIFOLD-EXHAUST						
	26	3	238-8731	1	ADAPTER-BREATHER						
	27	2	238-9196	1	GASKET-TURBOCHARGER						
	28	1	238-9198	1	ELBOW-EXHAUST						
	29	1	238-9200	5	BOLT (M8X1.25X25-MM)						
	30	3	238-9289	1	COVER-VALVE						
	31	3	238-9295	4	BOLT						
	32	2	238-9349	1	TURBOCHARGER GP						
	33	1	239-0177	1	TUBE AS-TURBOCHARGER						
	34	1	239-0187	1	BRACKET						
	35	1	239-0228	1	TUBE AS						
	35A	1	225-8526	2	WASHER (10.4X13.75X1.37-MM THK)						
	35B	1	239-0169	1	BOLT-SPECIAL (BANJO)						
	35C	1	239-0227	2	CLIP						
	36	1	239-0229	1	SPACER						
	37	2	239-0232	4	STUD (M8X1.25X31-MM)						
	38	2	249-1486	1	CONNECTION-AIR						
	39	2	249-1532	1	HOSE-AIR INLET						
	40	3	262-3975	1	GASKET						
	41	1	304-5061	1	GASKET						

AIR INLET AND EXHAUST SYSTEM

308-2308 TURBOCHARGER GP (contd.)

i02752284



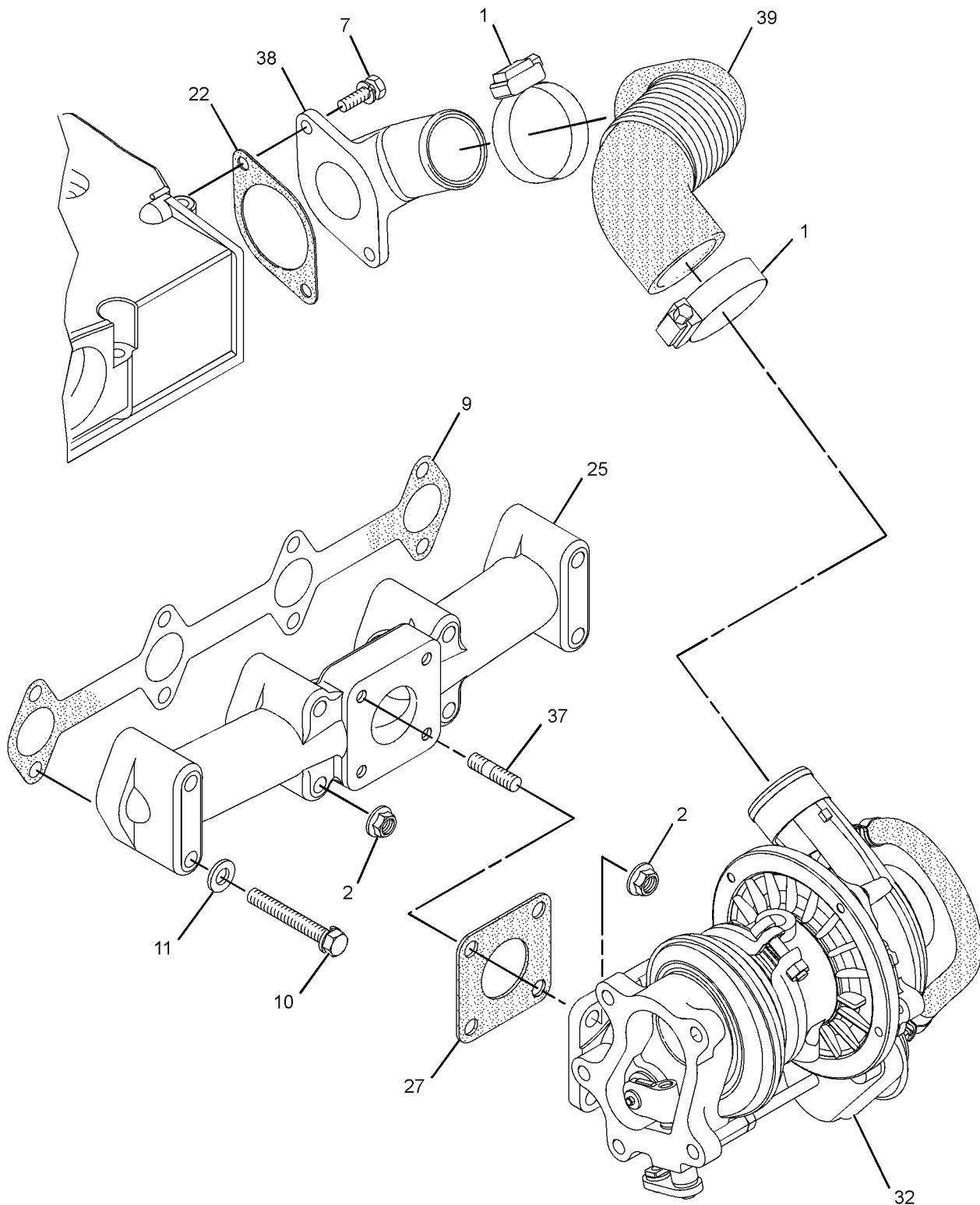
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AIR INLET AND EXHAUST SYSTEM

308-2308 TURBOCHARGER GP (contd.)

i02752284



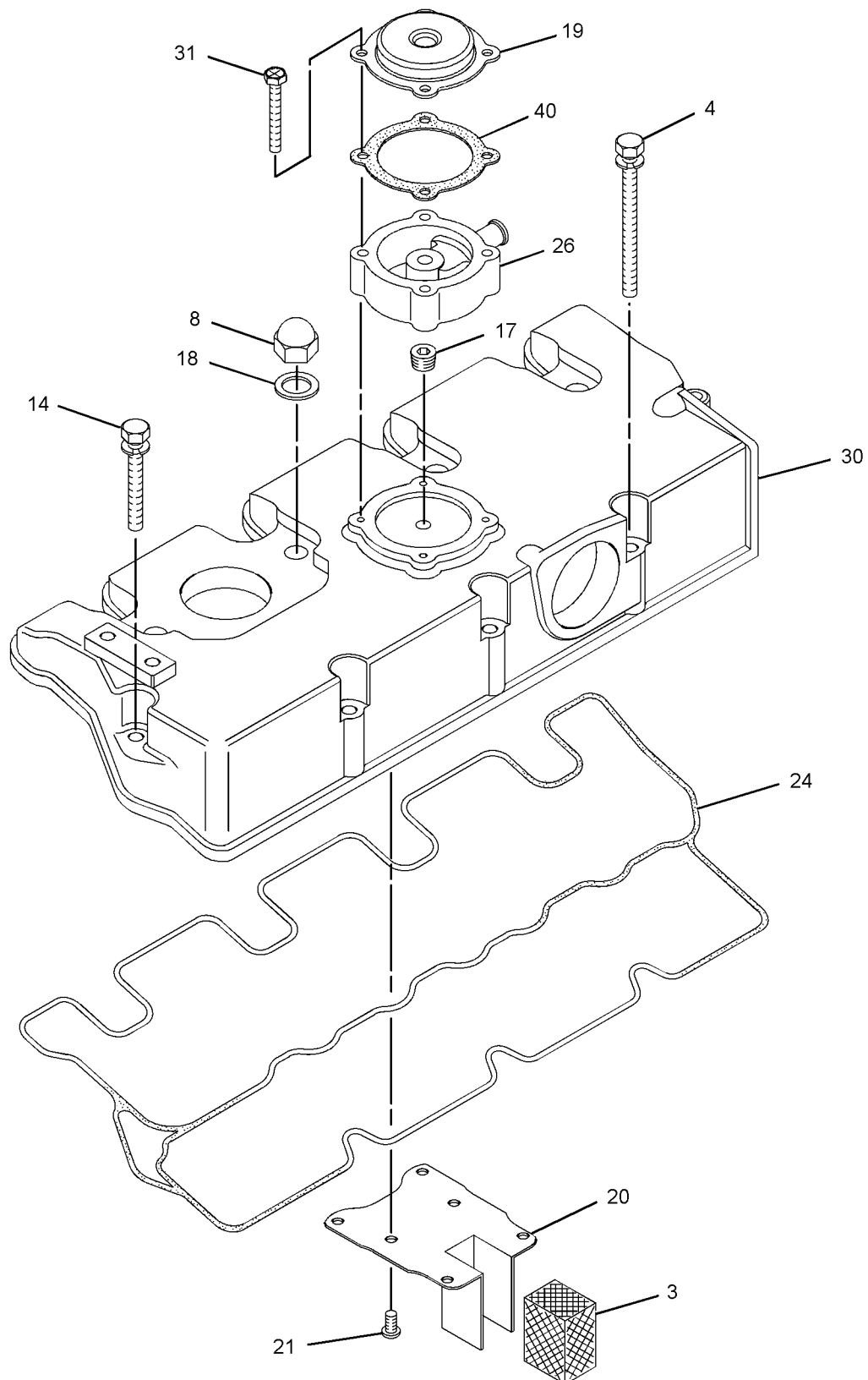
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g01416896

AIR INLET AND EXHAUST SYSTEM

308-2308 TURBOCHARGER GP (contd.)

i02752284



GRAPHIC #3

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g01416898

FUEL SYSTEM

325 - 9475 CONTROL GP - GOVERNOR

SMCS-1265, 1276

i02958754

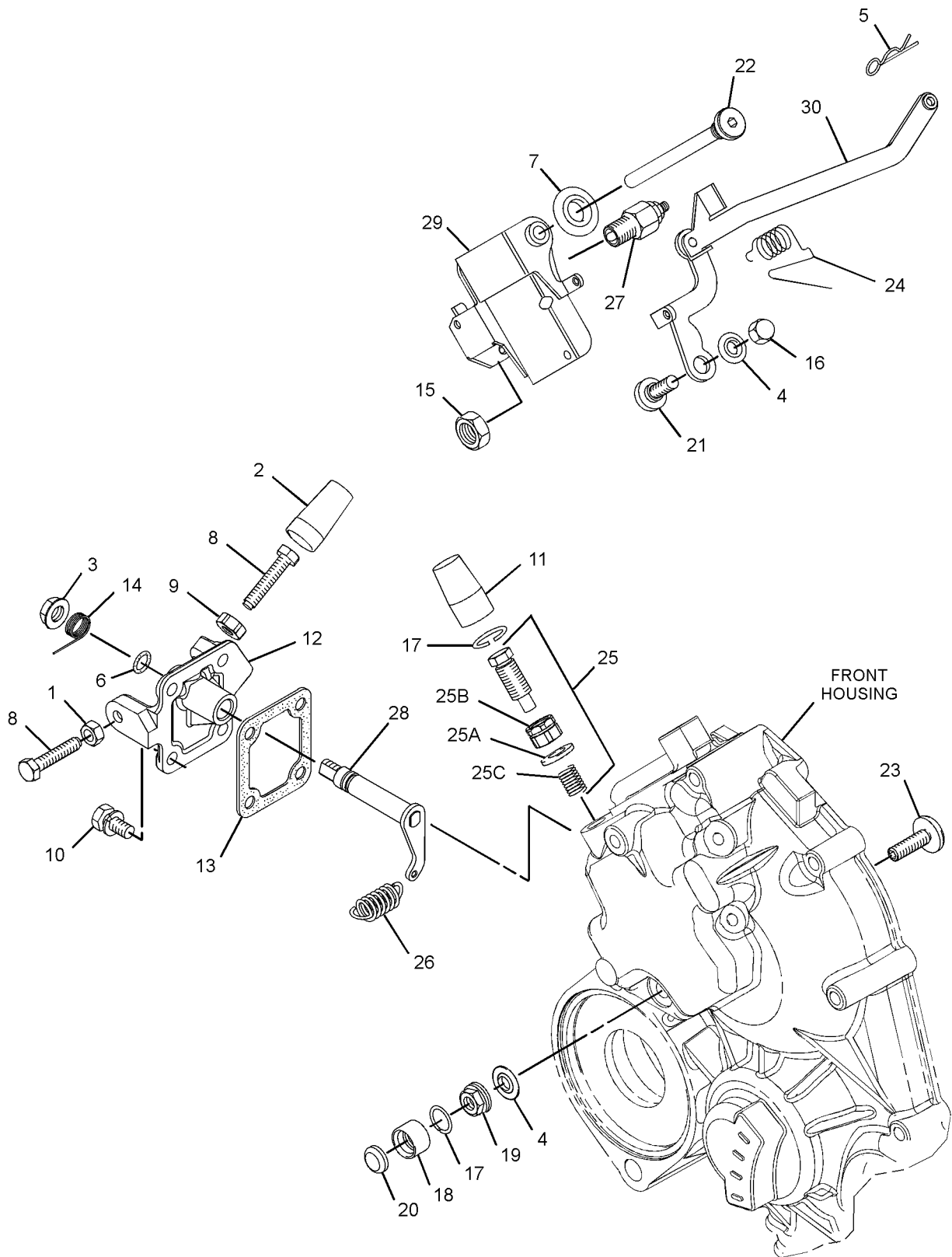
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					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	5C-2890	1	NUT (M6X1-THD)						
	2	1	139-5511	1	CAP (TAMPER RESISTANT)						
	3	1	153-5592	1	NUT						
	4	1	153-6415	2	WASHER						
	5	1	153-7983	1	PIN						
	6	1	154-1403	1	SEAL-O-RING						
	7	1	154-2715	1	WASHER						
M	8	1	8T-4971	2	BOLT (M6X1X30-MM)						
	9	1	162-2207	1	NUT						
	10	1	183-3538	4	BOLT						
	11	1	217-7115	1	CAP (TAMPER RESISTANT)						
	12	1	308-1877	1	BRACKET						
	13	1	308-1878	1	GASKET						
	14	1	308-1882	1	SPRING						
	15	1	308-1889	1	NUT						
	16	1	308-1892	1	NUT						
	17	1	308-1897	2	RING						
	18	1	332-1361	1	CAP-PROTECTION						
	19	1	321-4249	1	NUT						
	20	1	308-1901	1	CAP						
	21	1	308-4266	1	SHAFT						
	22	1	309-6728	1	SHAFT						
	23	1	309-6732	1	BOLT						
	24	1	311-0655	1	SPRING						
	25	1	313-5832	1	BOLT AS						
	25A	1	153-7987	1	WASHER						
	25B	1	191-9297	1	NUT						
	25C	1	313-5833	1	SPRING						
	26	1	317-7195	1	SPRING						
	27	1	319-3250	1	SENSOR-SPEED						
	28	1	334-0732	1	ARM						
	29	1	322-7492	1	LEVER-CONTROL						
	30	1	322-7493	1	LEVER-CONTROL						

M-METRIC PART

FUEL SYSTEM

325-9475 CONTROL GP-GOVERNOR (contd.)

i02958754



GRAPHIC #1

<END>

g01629013

FUEL SYSTEM

329-9277 CONTROL GP - GOVERNOR

SMCS-1265, 1276

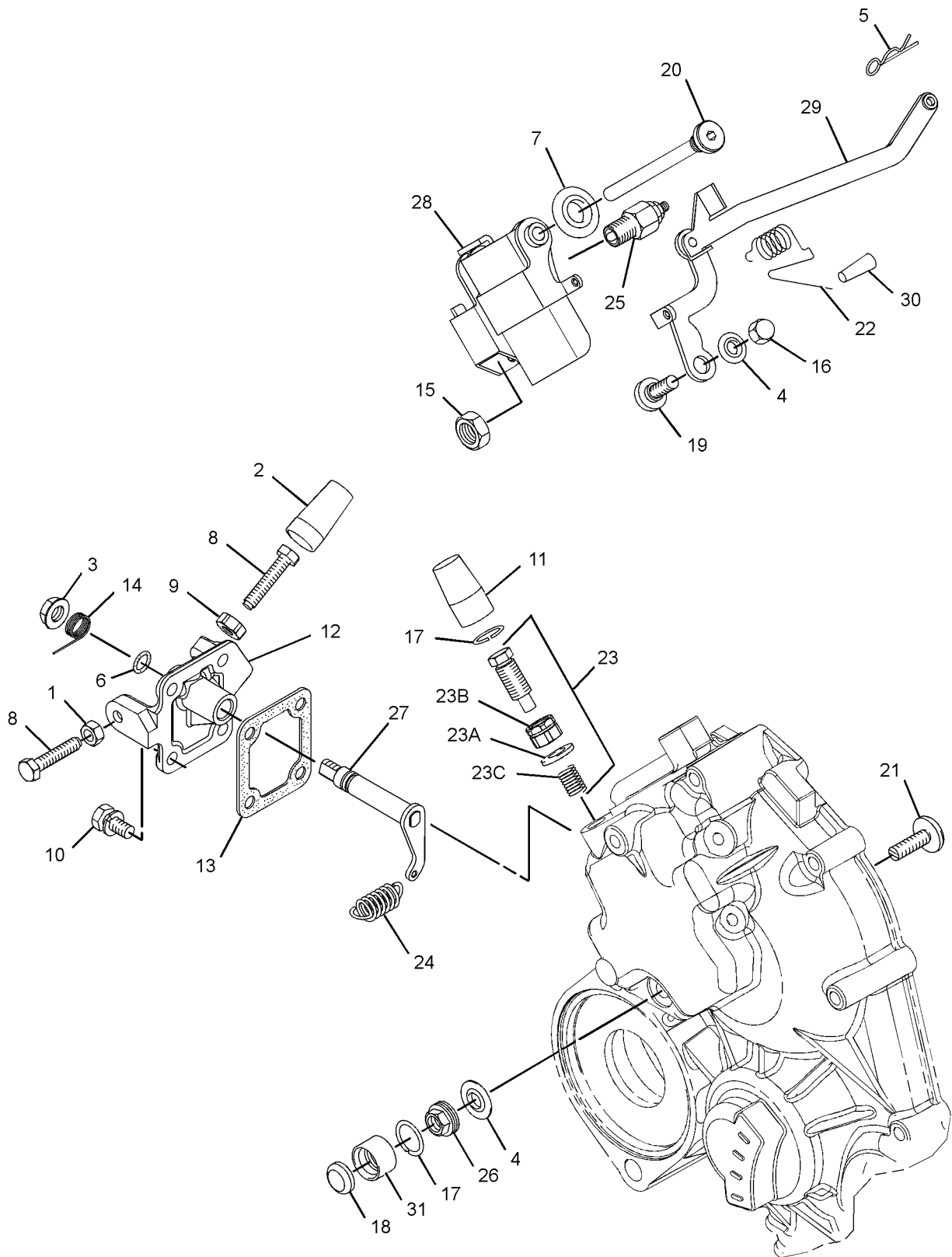
i03190806

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	5C-2890	1	NUT (M6X1-THD)						
	2	1	139-5511	1	CAP (TAMPER RESISTANT)						
	3	1	153-5592	1	NUT						
	4	1	153-6415	2	WASHER						
	5	1	153-7983	1	PIN						
	6	1	154-1403	1	SEAL-O-RING						
	7	1	154-2715	1	WASHER						
M	8	1	8T-4971	2	BOLT (M6X1X30-MM)						
	9	1	162-2207	1	NUT						
	10	1	183-3538	4	BOLT						
	11	1	217-7115	1	CAP (TAMPER RESISTANT)						
	12	1	308-1877	1	BRACKET						
	13	1	308-1878	1	GASKET						
	14	1	308-1882	1	SPRING						
	15	1	308-1889	1	NUT						
	16	1	308-1892	1	NUT						
	17	1	308-1897	2	RING						
	18	1	308-1901	1	CAP						
	19	1	308-4266	1	SHAFT						
	20	1	309-6728	1	SHAFT						
	21	1	309-6732	1	BOLT						
	22	1	311-0655	1	SPRING						
	23	1	313-5832	1	BOLT AS						
	23A	1	153-7987	1	WASHER						
	23B	1	191-9297	1	NUT						
	23C	1	313-5833	1	SPRING						
	24	1	317-7195	1	SPRING						
	25	1	319-3253	1	SENSOR - SPEED						
	26	1	321-4249	1	NUT						
	27	1	322-7491	1	ARM						
	28	1	322-7492	1	LEVER - CONTROL						
	29	1	322-7493	1	LEVER - CONTROL						
	30	1	330-9189	1	PLUG						
	31	1	332-1361	1	CAP - PROTECTION						
M-METRIC PART											

FUEL SYSTEM

329-9277 CONTROL GP-GOVERNOR (contd.)

i03190806



GRAPHIC #1

<END>

g01616839

FUEL SYSTEM

218-2356 FILTER & LINES GP-FUEL

SMCS-1261, 1274

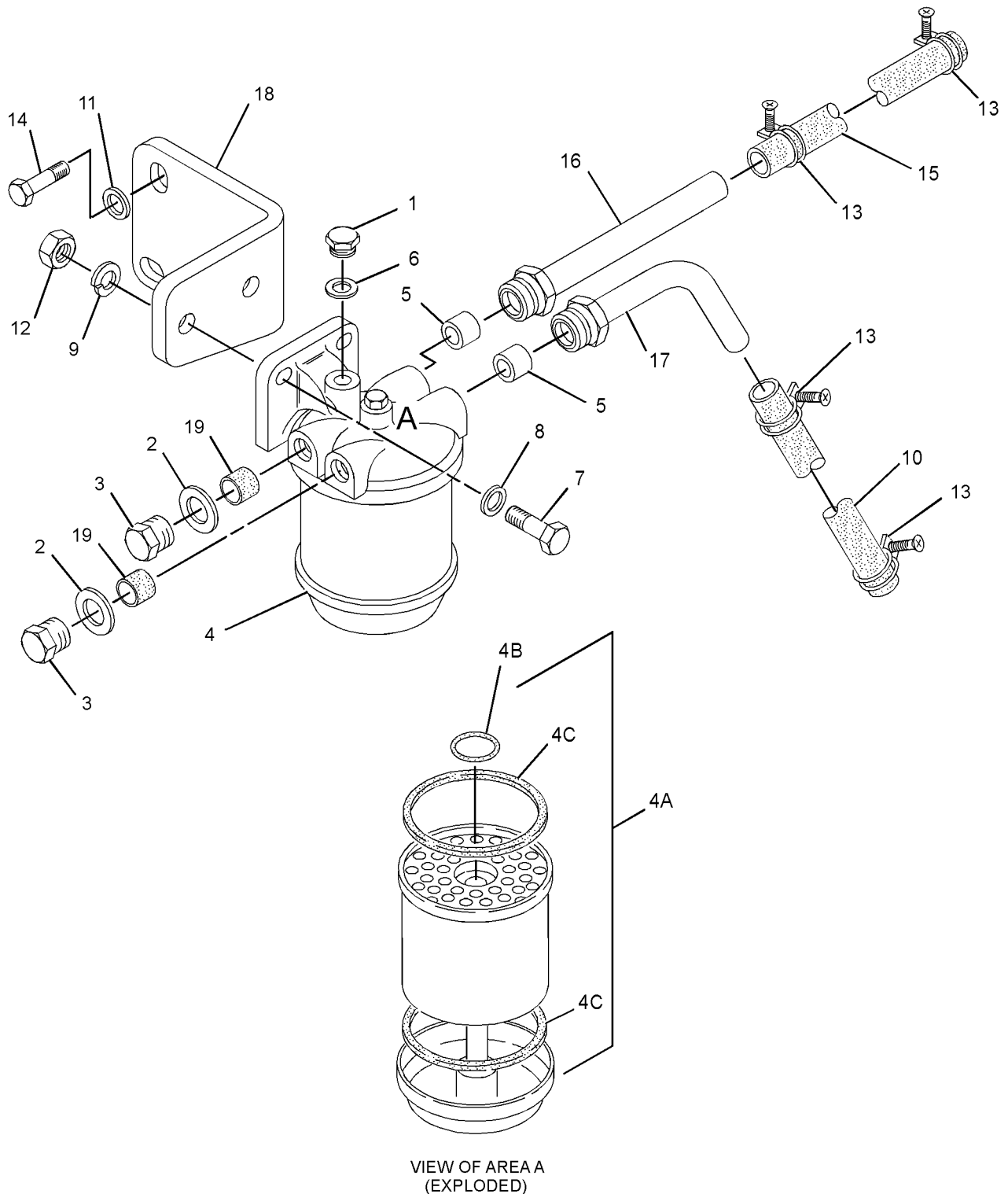
i03082431

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7W-4694	1	PLUG						
	2	1	311-9048	2	WASHER						
	3	1	033-7849	2	PLUG						
	4	1	033-7854	1	FILTER AS-FUEL						
	4A	1	067-6987	1	KIT-ELEMENT (FUEL FILTER)						
	4B	1	6F-4855	1	SEAL-O-RING						
	4C	1	069-2922	2	GASKET (FUEL FILTER)						
	5	1	067-6269	2	FERRULE						
	6	1	067-6317	1	WASHER (0.4X0.566X0.04-IN THK)						
	7	1	138-7162	1	BOLT						
	8	1	154-1399	2	WASHER						
	9	1	154-2403	2	WASHER						
	10	1	155-7983	1	LINE-FUEL						
	11	1	155-7984	2	WASHER						
	12	1	155-8085	2	NUT						
	13	1	160-3550	4	CLAMP-HOSE						
	14	1	165-2141	2	BOLT						
	15	1	160-3551	1	HOSE-FUEL						
	16	1	302-4187	1	TUBE						
	17	1	218-2355	1	LINE-FUEL						
	18	1	223-8182	1	BRACKET						
	19	1	173-0128	2	PLUG						

FUEL SYSTEM

218-2356 FILTER & LINES GP - FUEL (contd.)

i03082431



GRAPHIC #1

<END>

g01389946

FUEL SYSTEM

231 - 4694 GOVERNOR GP

SMCS-1264, 1908

i03082511

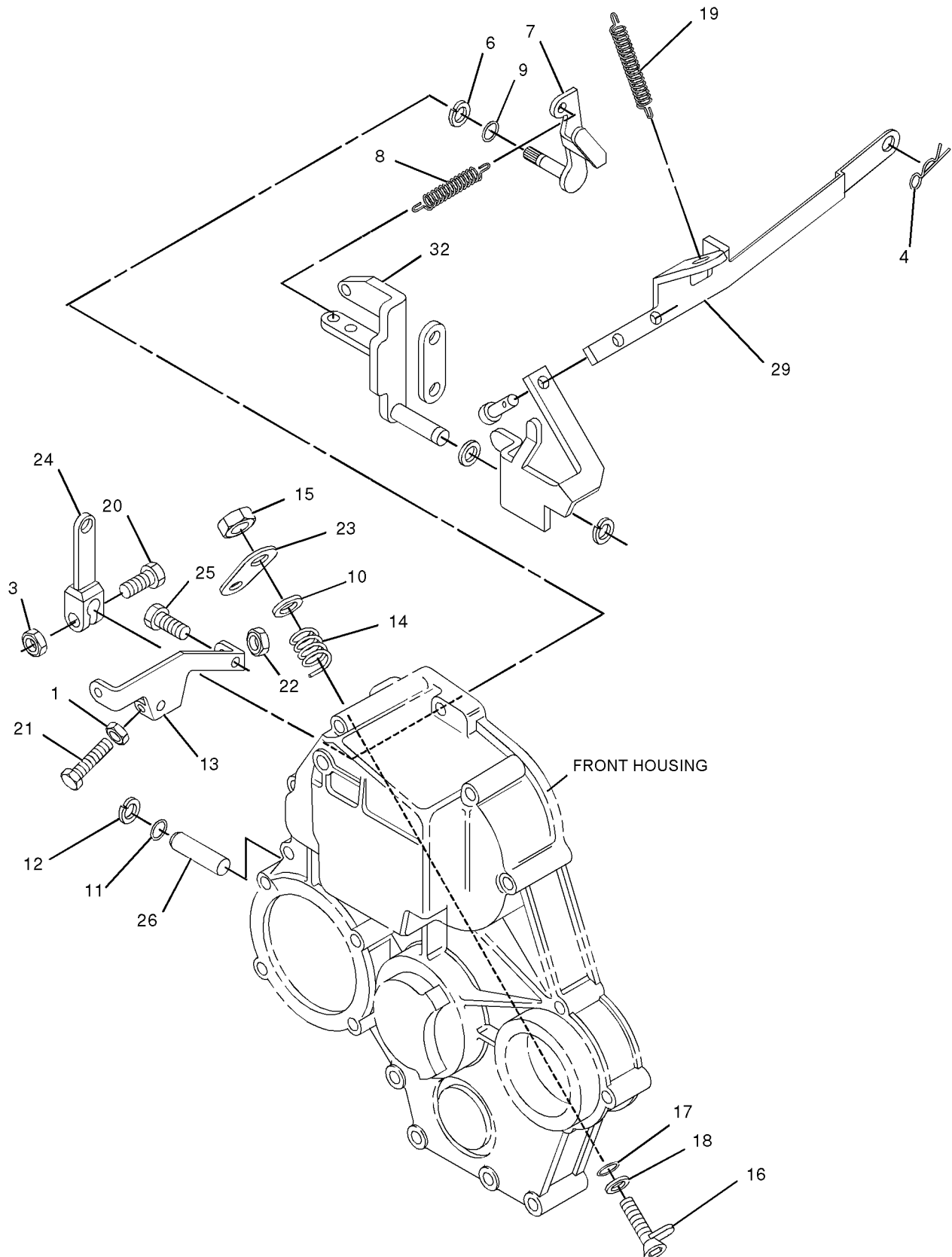
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					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	5C-2890	1	NUT (M6X1-THD)						
	2	2	139-5511	1	CAP (TAMPER RESISTANT)						
	3	1	153-5960	1	NUT						
	4	1	153-7983	1	PIN						
	5	2	153-7987	1	WASHER						
	6	1	154-1396	1	CLIP						
	7	1	154-1401	1	ARM						
	8	1	154-1402	1	SPRING						
	9	1	154-1403	1	SEAL-O-RING						
	10	1	154-1408	1	WASHER						
	11	1	154-1410	2	SEAL-O-RING						
	12	1	154-1411	1	CLIP						
	13	1	154-1412	1	BRACKET						
	14	1	154-1416	1	SPRING						
	15	1	154-1636	2	NUT						
	16	1	154-1637	1	ARM						
	17	1	154-1638	1	SEAL-O-RING						
	18	1	154-1639	1	CLIP						
	19	1	310-7139	1	SPRING						
	20	1	155-8009	1	BOLT						
M	21	1, 2	8T-4971	3	BOLT (M6X1X30-MM)						
	22	1, 2	162-2207	2	NUT						
	23	1	166-5268	1	LEVER						
	24	1	183-3570	1	LEVER						
	25	1	183-3572	2	BOLT						
	26	1	191-0542	1	SHAFT						
	27	2	191-9296	1	BOLT						
	28	2	191-9297	2	NUT						
	29	1	217-5794	1	LEVER						
	30	2	217-7111	1	BOLT AS						
	30A	2	153-7987	1	WASHER						
	30B	2	212-0743	1	NUT						
	30C	2	212-0744	1	SEAL-O-RING						
30D	2	212-0745	1	BOLT							
30E	2	212-0747	1	RING-RETAINING							
31	2	217-7115	1	CAP (TAMPER RESISTANT)							
32	1	218-2254	1	LEVER							
33	2	211-7739	1	KIT-CAP (TAMPER RESISTANT)							

M-METRIC PART

FUEL SYSTEM

231-4694 GOVERNOR GP (contd.)

i03082511



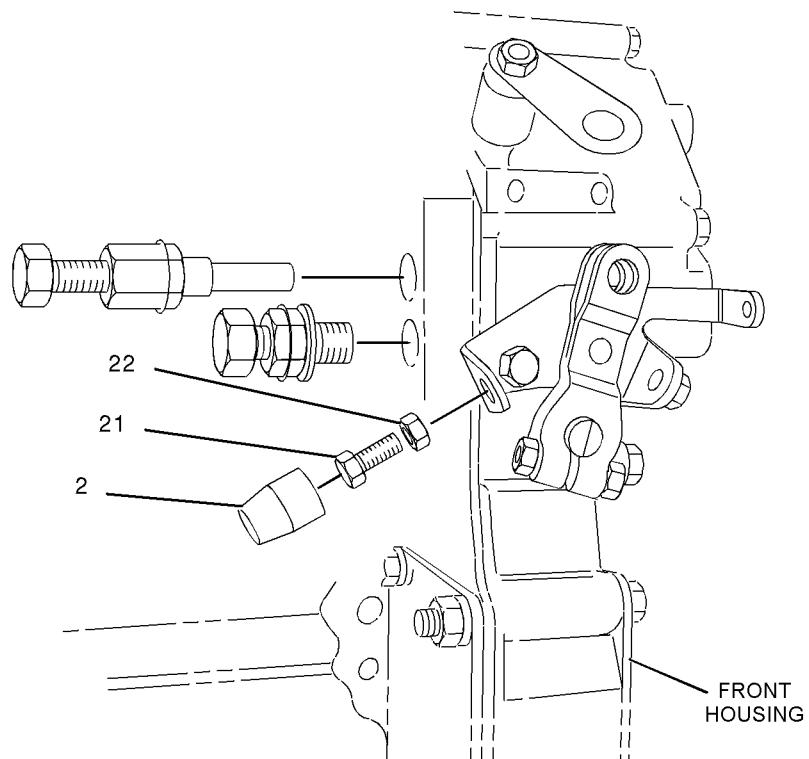
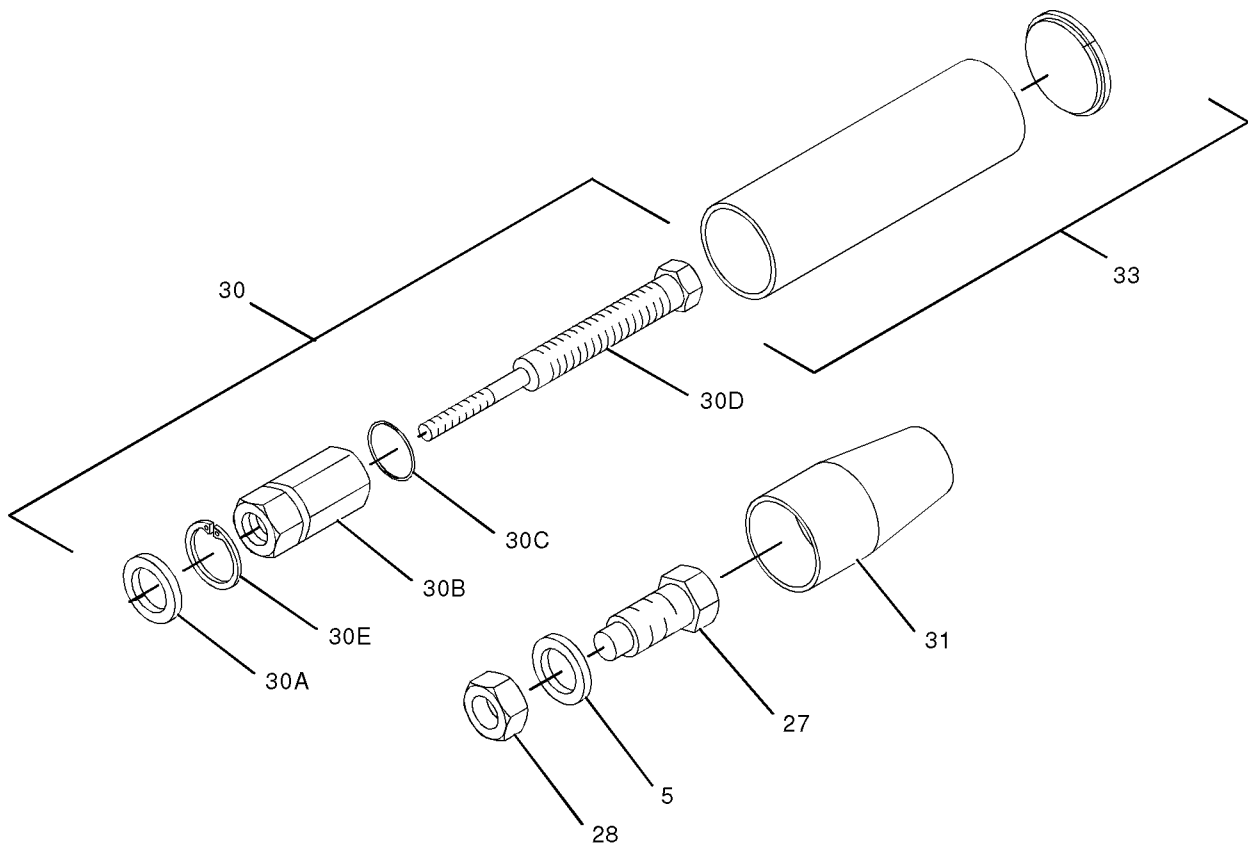
GRAPHIC #1

g01053801

FUEL SYSTEM

231-4694 GOVERNOR GP (contd.)

i03082511



GRAPHIC #2

<END>

g01053802

FUEL SYSTEM

311-9024 GOVERNOR GP

SMCS-1264, 1908

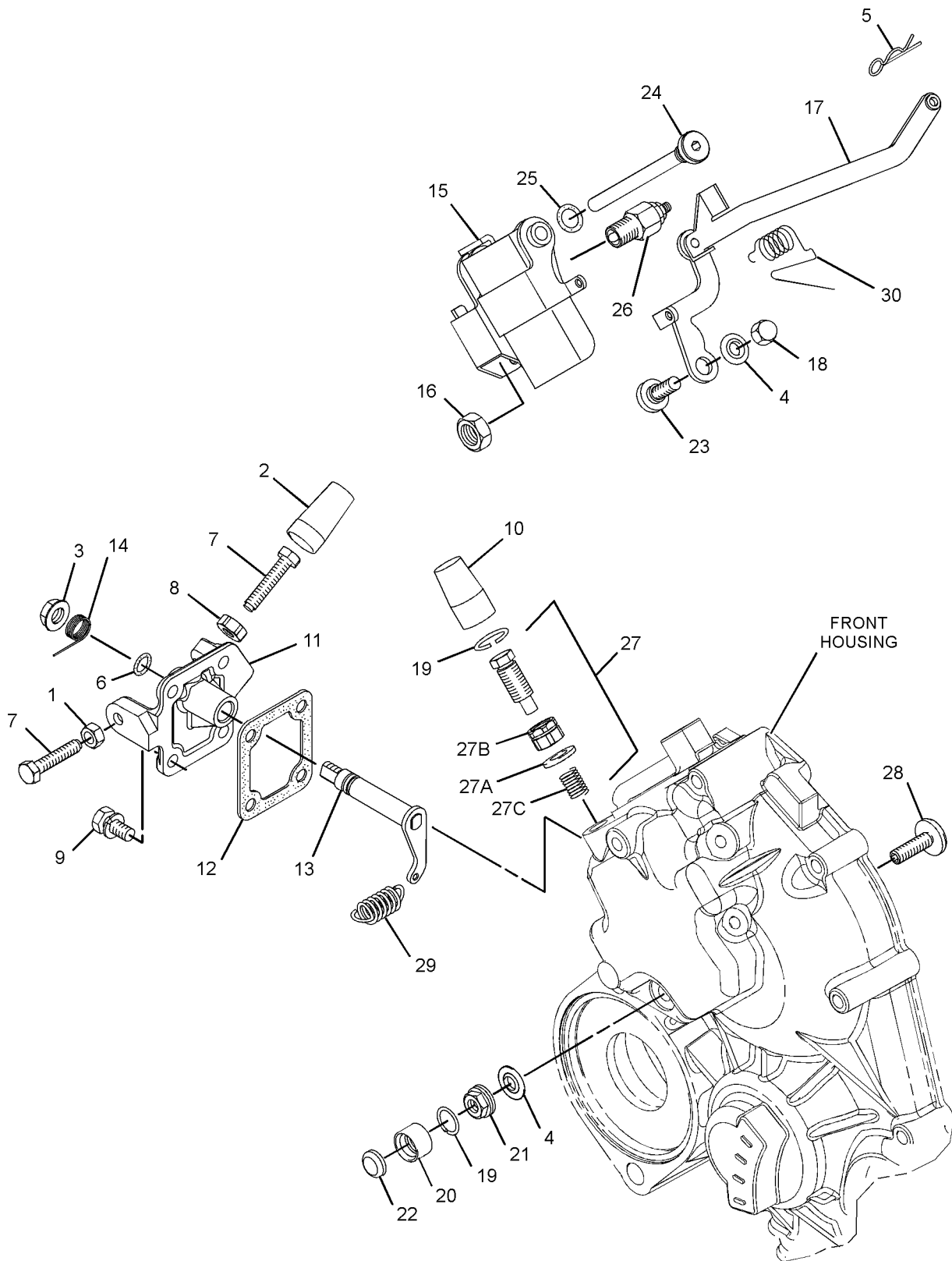
i02995756

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	5C-2890	1	NUT (M6X1-THD)						
	2	1	139-5511	1	CAP (TAMPER RESISTANT)						
	3	1	153-5592	1	NUT						
	4	1	153-6415	2	WASHER						
	5	1	153-7983	1	PIN						
	6	1	154-1403	1	SEAL-O-RING						
M	7	1	8T-4971	2	BOLT (M6X1X30-MM)						
	8	1	162-2207	1	NUT						
	9	1	183-3538	4	BOLT						
	10	1	217-7115	1	CAP (TAMPER RESISTANT)						
	11	1	308-1877	1	BRACKET						
	12	1	308-1878	1	GASKET						
C	13	1	334-0732	1	ARM						
	14	1	308-1882	1	SPRING						
C	15	1	322-7492	1	LEVER-CONTROL						
	16	1	308-1889	1	NUT						
C	17	1	322-7493	1	LEVER-CONTROL						
	18	1	308-1892	1	NUT						
	19	1	308-1897	2	RING						
	20	1	332-1361	1	CAP-PROTECTION						
	21	1	321-4249	1	NUT						
	22	1	308-1901	1	CAP						
	23	1	308-4266	1	SHAFT						
	24	1	309-6728	1	SHAFT						
	25	1	309-6729	1	SEAL-O-RING						
	26	1	319-3252	1	SENSOR-SPEED (ENGINE TIMING)						
	27	1	313-5832	1	BOLT AS						
	27A	1	153-7987	1	WASHER						
	27B	1	191-9297	1	NUT						
	27C	1	313-5833	1	SPRING						
	28	1	309-6732	1	BOLT						
	29	1	317-7195	1	SPRING						
	30	1	311-0655	1	SPRING						
	C- CHANGE FROM PREVIOUS TYPE										
M- METRIC PART											

FUEL SYSTEM

311-9024 GOVERNOR GP (contd.)

i02995756



GRAPHIC #1

<END>

g01626632

FUEL SYSTEM

323-9146 GOVERNOR GP

SMCS-1264, 1908

i02959285

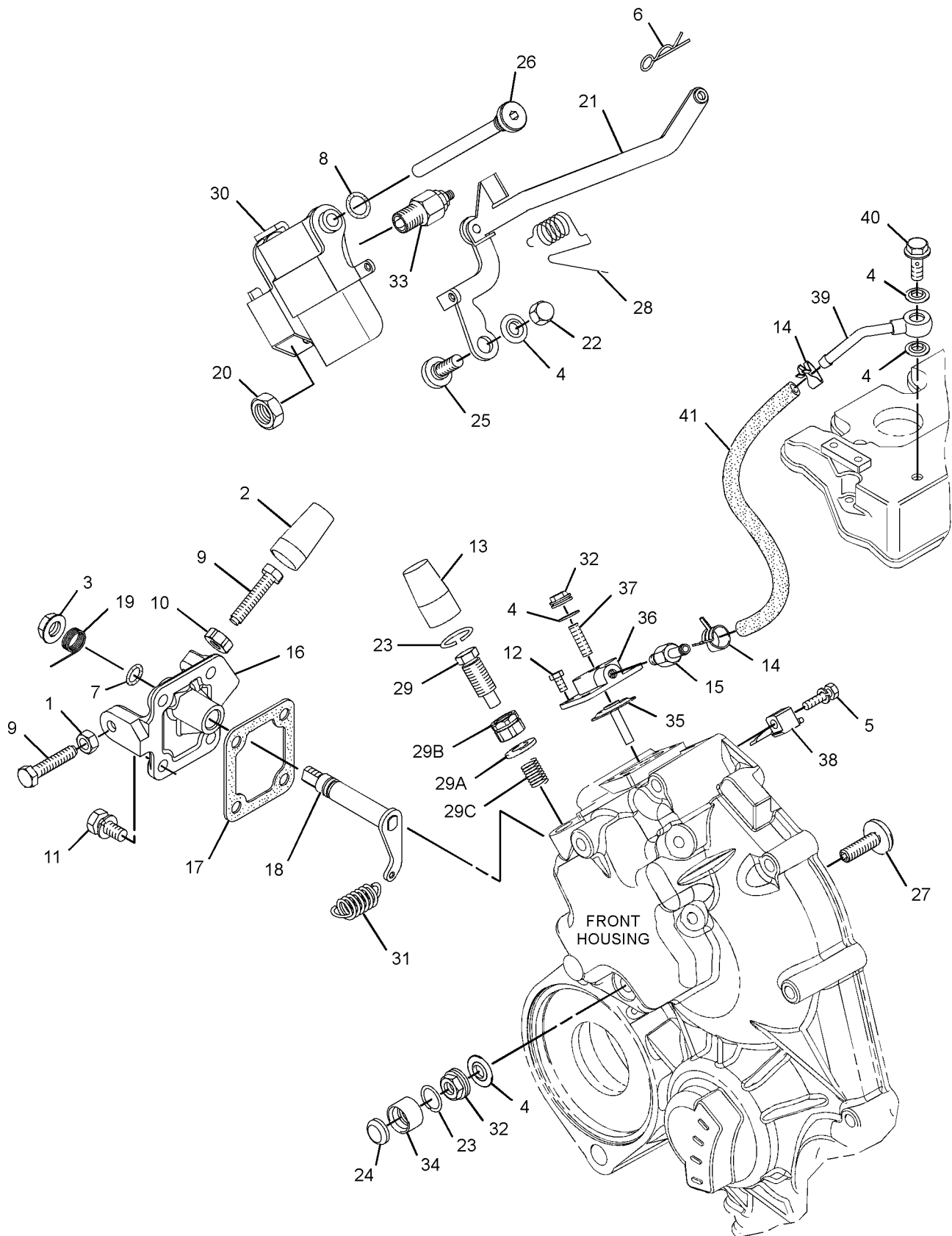
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	5C-2890	1	NUT (M6X1-THD)						
	2	1	139-5511	1	CAP (TAMPER RESISTANT)						
	3	1	153-5592	1	NUT						
	4	1	153-6415	5	WASHER						
	5	1	153-6861	1	BOLT						
	6	1	153-7983	1	PIN						
	7	1	154-1403	1	SEAL-O-RING						
	8	1	154-2715	1	WASHER						
	9	1	158-7936	2	BOLT						
	10	1	162-2207	1	NUT						
	11	1	183-3538	4	BOLT						
	12	1	217-5860	4	BOLT						
	13	1	217-7115	1	CAP (TAMPER RESISTANT)						
	14	1	232-0218	2	CLAMP						
	15	1	232-0290	1	CONNECTOR						
	16	1	308-1877	1	BRACKET						
	17	1	308-1878	1	GASKET						
	18	1	334-0732	1	ARM (FRONT HOUSING)						
	19	1	308-1882	1	SPRING						
	20	1	308-1889	1	NUT						
	21	1	322-7493	1	LEVER-CONTROL						
	22	1	308-1892	1	NUT						
	23	1	308-1897	2	RING						
	24	1	308-1901	1	CAP						
	25	1	308-4266	1	SHAFT						
	26	1	309-6728	1	SHAFT						
	27	1	309-6732	1	BOLT						
	28	1	311-0655	1	SPRING						
	29	1	313-5832	1	BOLT AS						
	29A	1	153-7987	1	WASHER						
	29B	1	191-9297	1	NUT						
	29C	1	313-5833	1	SPRING						
	30	1	322-7492	1	LEVER-CONTROL						
	31	1	317-7195	1	SPRING						
	32	1	321-4249	2	NUT						
	33	1	321-8209	1	SENSOR-SPEED (ENGINE TIMING)						
	34	1	332-1361	1	CAP-PROTECTION						
	35	1	321-8211	1	DIAPHRAGM						
	36	1	321-8212	1	COVER						
	37	1	321-8214	1	BOLT						
	38	1	328-5174	1	LEVER-STOP						
	39	1	321-8216	1	TUBE						
	40	1	321-8217	1	BOLT						
	41	1	321-8218	1	HOSE						

M-METRIC PART

FUEL SYSTEM

323-9146 GOVERNOR GP (contd.)

i02959285



GRAPHIC #1

<END>

g01629992

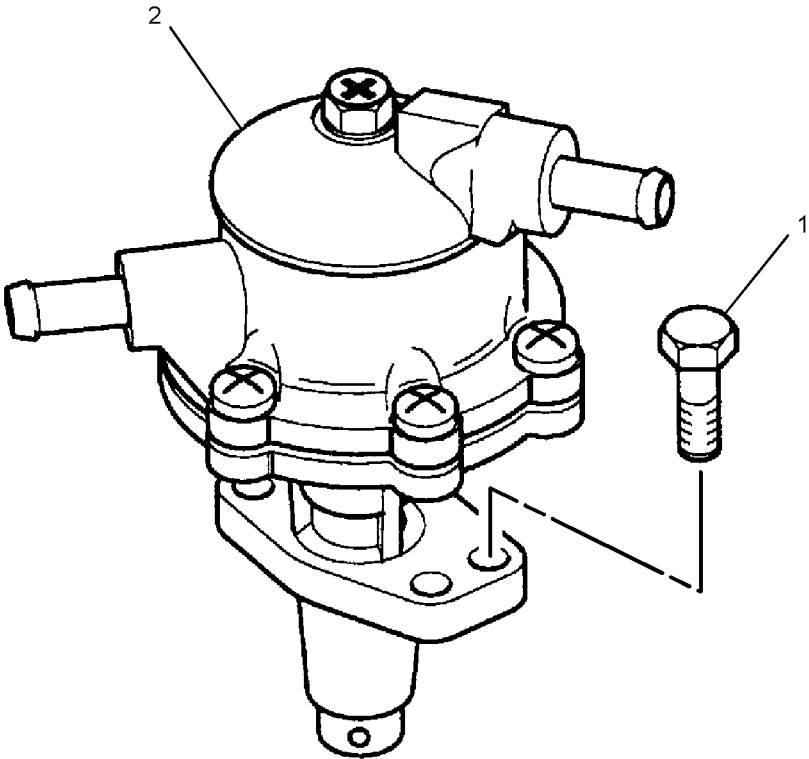
FUEL SYSTEM

176-7711 PUMP & MTG GP-FUEL TRANSFER

SMCS-1256

i03082412

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6873	2	BOLT						
	2	1	295-4070	1	PUMP AS-FUEL TRANSFER						



GRAPHIC #1

<END>

g01459151

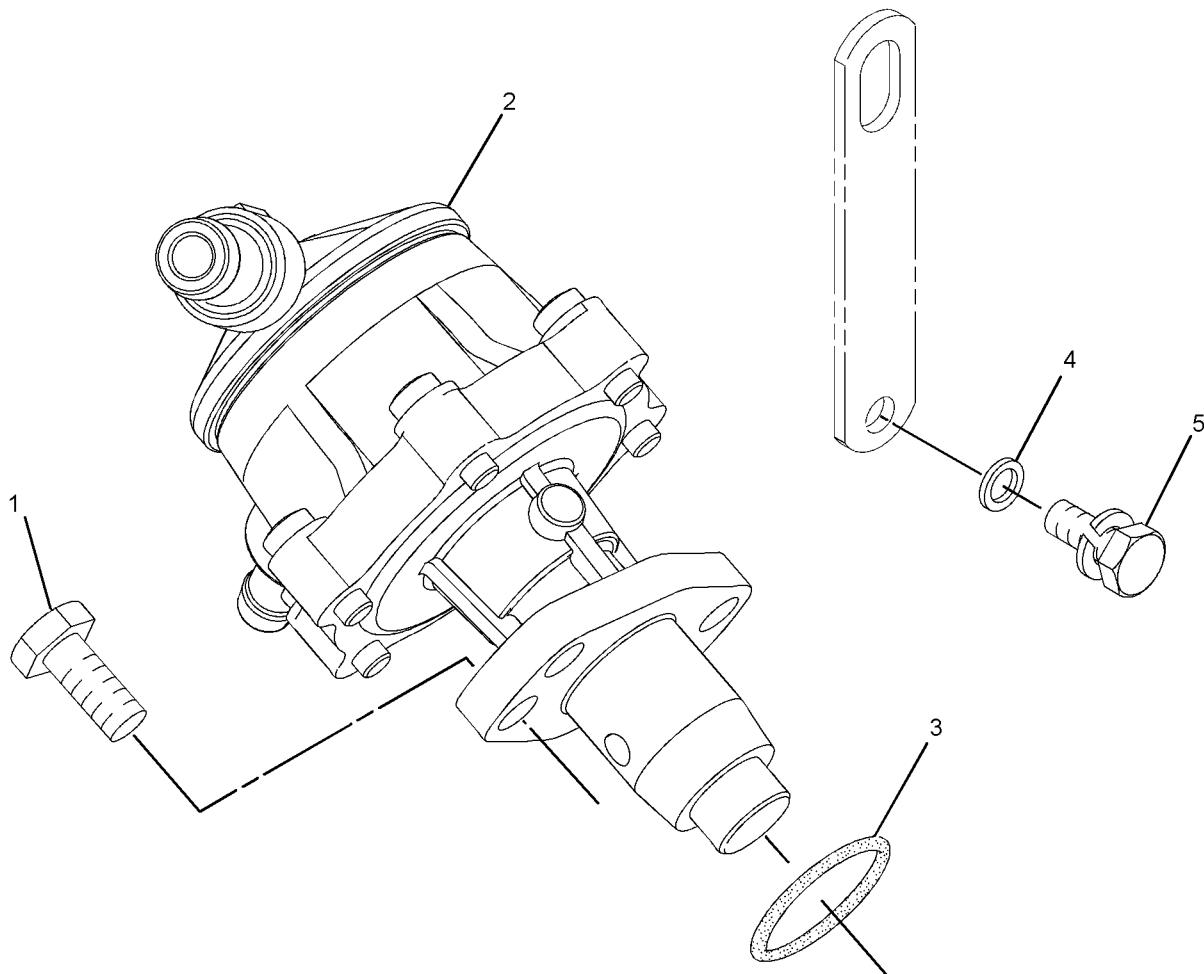
FUEL SYSTEM

315-7814 PUMP & MTG GP-FUEL TRANSFER

SMCS-1256

i02941456

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0846	2	BOLT (M6X1X14-MM)						
	2	1	295-4070	1	PUMP AS-FUEL TRANSFER						
	3	1	176-7719	1	SEAL-O-RING						
	4	1	155-7984	1	WASHER						
	5	1	165-2141	1	BOLT						



GRAPHIC #1

<END>

g01542855

FUEL SYSTEM

308-2310 PUMP GP-FILTER & FUEL TRANSFER

SMCS-1256, 1261

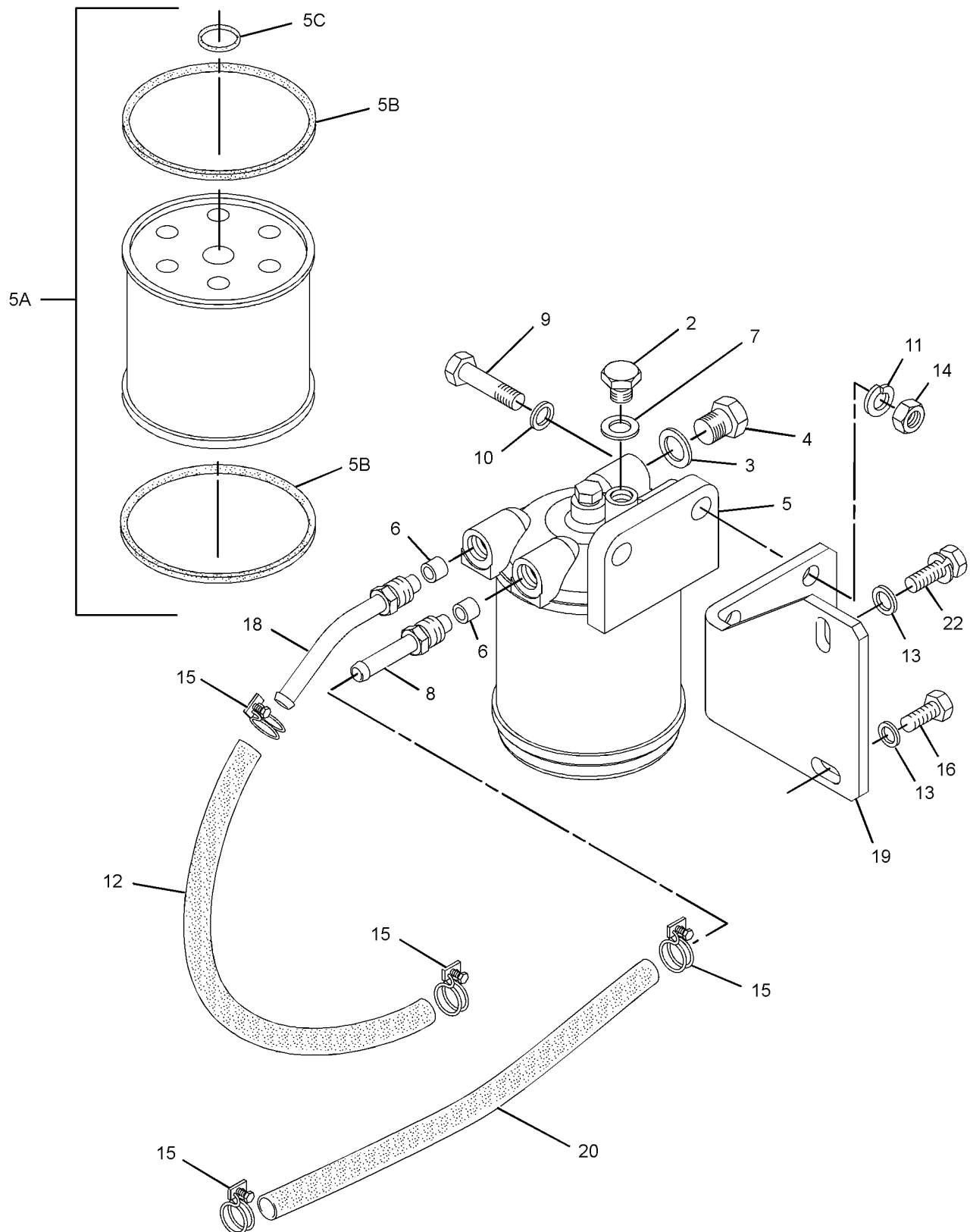
i03044725

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	2	6I-0846	2	BOLT (M6X1X14-MM)						
	2	1	7W-4694	1	PLUG						
	3	1	032-8100	2	WASHER (0.531X0.718X0.064-IN THK)						
	4	1	033-7849	2	PLUG						
	5	1	033-7854	1	FILTER AS-FUEL						
	5A	1	067-6987	1	KIT-ELEMENT (FUEL FILTER)						
	5B	1	069-2922	2	GASKET						
	5C	1	6F-4855	1	SEAL-O-RING						
	6	1	067-6269	2	FERRULE						
	7	1	067-6317	1	WASHER (0.4X0.566X0.04-IN THK)						
	8	1	302-4187	1	TUBE						
	9	1	138-7162	2	BOLT						
	10	1	154-1399	2	WASHER						
	11	1	154-2403	2	WASHER						
	12	1	155-7983	1	LINE-FUEL						
	13	1	155-7984	2	WASHER						
	14	1	155-8085	2	NUT						
	15	1	160-3550	4	CLAMP-HOSE						
	16	1	165-2141	1	BOLT						
	17	2	176-7719	1	SEAL-O-RING						
	18	1	218-2355	1	LINE-FUEL						
	19	1	311-1174	1	BRACKET						
	20	1	234-9556	1	HOSE-FUEL						
	21	2	295-4070	1	PUMP AS-FUEL TRANSFER						
	22	1	168-9001	1	BOLT						

FUEL SYSTEM

308-2310 PUMP GP - FILTER & FUEL TRANSFER (contd.)

i03044725



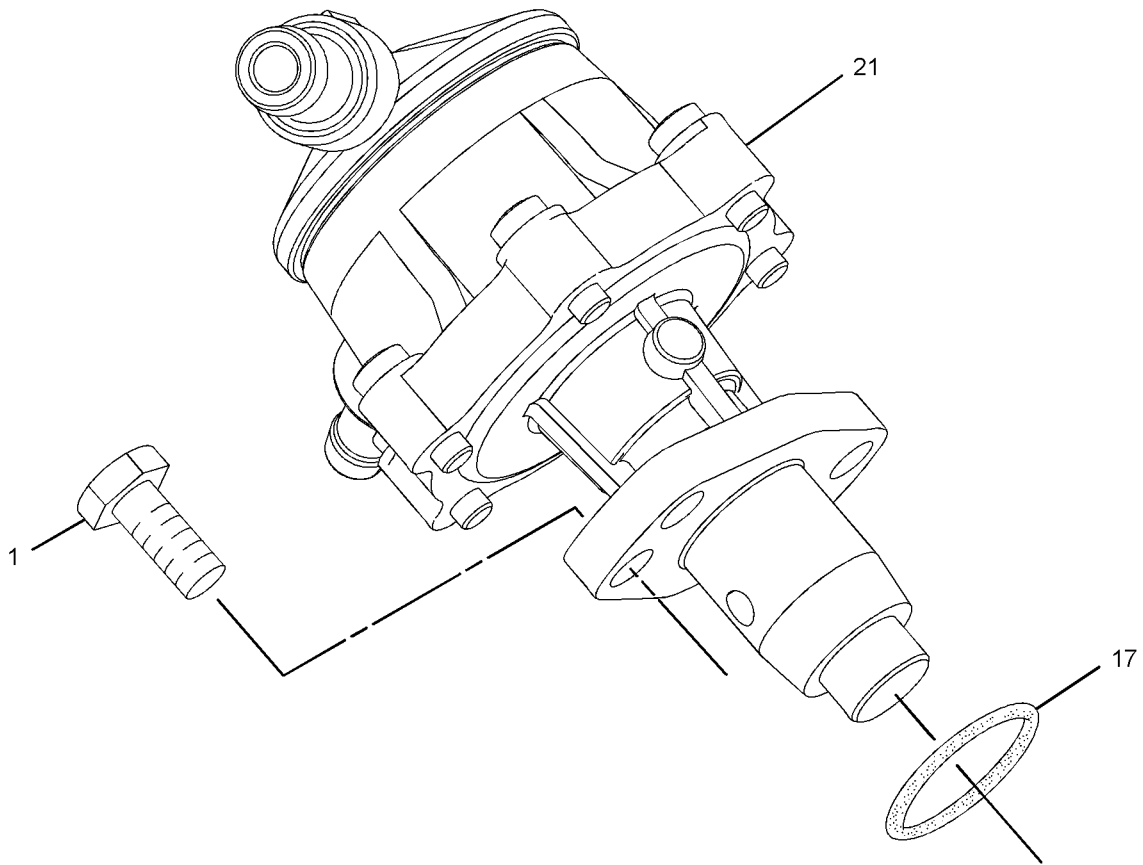
GRAPHIC #1

g01627960

FUEL SYSTEM

308-2310 PUMP GP-FILTER & FUEL TRANSFER (contd.)

i03044725



GRAPHIC #2

<END>

g01398195

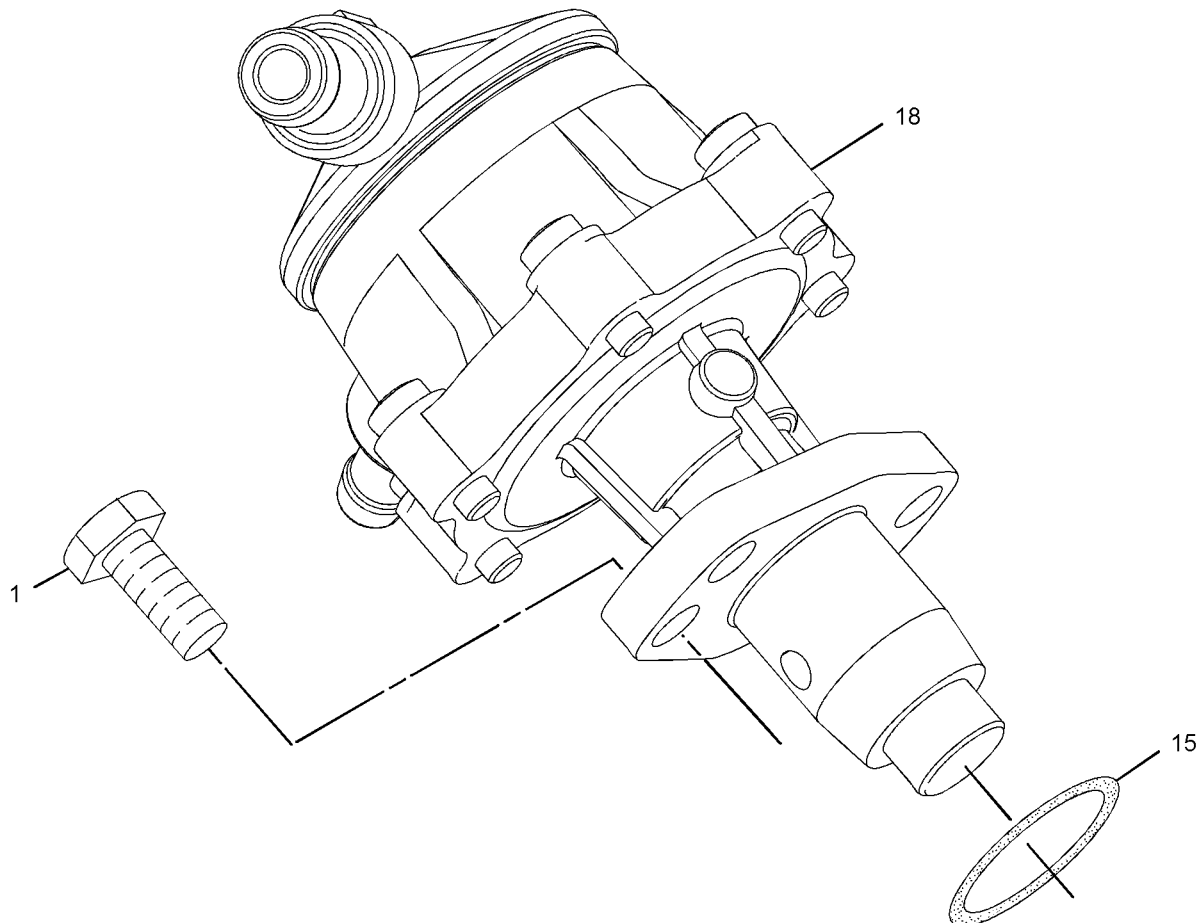
FUEL SYSTEM

324-8999 PUMP GP-FILTER & FUEL TRANSFER

SMCS-1256, 1261

i03136279

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0846	2	BOLT (M6X1X14-MM)						
	2	2	7W-4724	3	WASHER						
	3	2	150-4142	1	FILTER-FUEL						
	4	2	153-5592	2	NUT						
	5	2	153-6375	2	BOLT						
	6	2	154-1399	2	WASHER						
	7	2	154-2403	2	WASHER						
	8	2	155-7983	1	LINE-FUEL						
	9	2	155-8082	1	CONNECTOR						
	10	2	155-8085	2	NUT						
	11	2	155-8086	1	BRACKET						
	12	2	155-8087	1	BRACKET						
	13	2	160-3550	4	CLAMP-HOSE						
	14	2	165-2144	2	BOLT						
	15	1	176-7719	1	SEAL-O-RING						
	16	2	197-8004	2	BOLT						
	17	2	234-9556	1	HOSE-FUEL						
	18	1	295-4070	1	PUMP AS-FUEL TRANSFER						
	19	2	296-0888	1	FILTER AS-FUEL						
	20	2	296-0889	1	BOLT						
	21	2	324-8998	1	TUBE-FUEL						



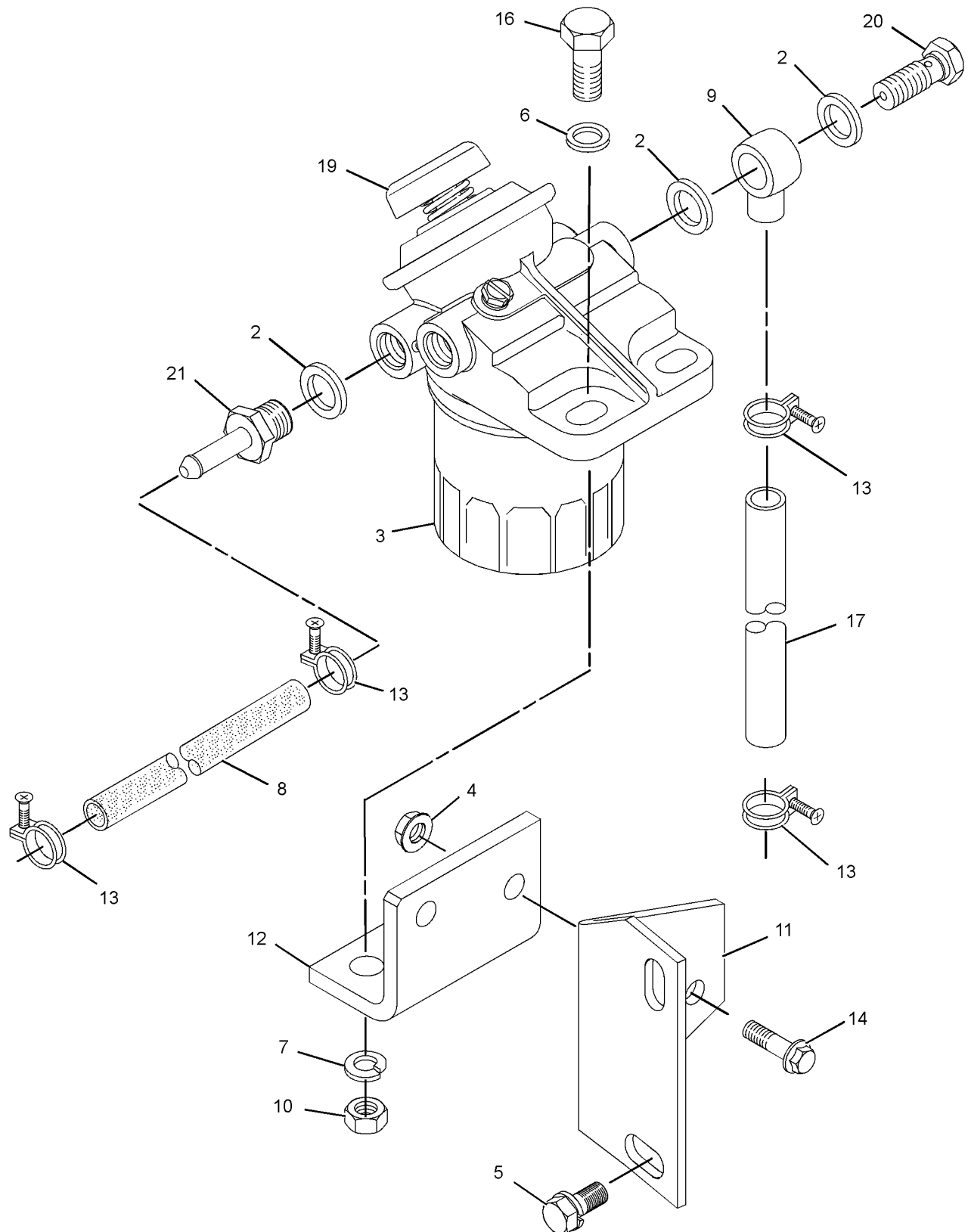
GRAPHIC #1

g01635253

FUEL SYSTEM

324-8999 PUMP GP-FILTER & FUEL TRANSFER (contd.)

i03136279



GRAPHIC #2

<END>

g01635254

FUEL SYSTEM

270-6757 PUMP GP-FUEL INJECTION

SMCS-1251, 1290

i03082515

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	3	NUT						
	2	1	153-5960	3	NUT						
	3	1	290-8014	6	CLAMP						
	4	2	153-6412	1	WASHER						
	5	1	154-2713	2	BOLT						
	6	2	154-2715	3	WASHER						
	7	2	154-2716	4	SEAL						
	8	1	163-5372	1	WASHER (8X15.4X4-MM THK)						
	9	1	183-3353	3	BOLT						
	10	2	190-3803	1	BOLT						
	11	1	302-7821	1	PUMP GP-FUEL INJECTION						
	11A	1	205-4726	1	BOLT-SPECIAL (BANJO)						
	11B	1	205-4727	2	WASHER						
	11C	1	205-4728	1	CONNECTOR						
	12	1	217-2760	1	TUBE AS (CYL NO. 1)						
	13	1	217-2761	1	TUBE AS (CYL NO. 2)						
	14	1	217-2762	1	TUBE AS (CYL NO. 3)						
	15	1	217-2763	1	TUBE AS (CYL NO. 4)						
	16	2	311-7561	1	TUBE						
	17	2	324-4598	1	SOLENOID (FUEL SHUTOFF)						
M	18	1	8T-4189	1	BOLT (M8X1.25X20-MM)						
	19	2	154-3018	4	INJECTOR AS-FUEL						
					(EACH INCLUDES)						
	19A	2	202-1196	1	WASHER-SPECIAL						
	19B	2	205-4731	1	NUT						
B	20	1	154-3017	1	SHIM (0.2-MM THK)						
B		1	160-3555	1	SHIM (0.3-MM THK)						
B		1	160-3556	1	SHIM (0.4-MM THK)						
B		1	160-3557	1	SHIM (0.5-MM THK)						
B		1	160-3558	1	SHIM (0.5-MM THK)						

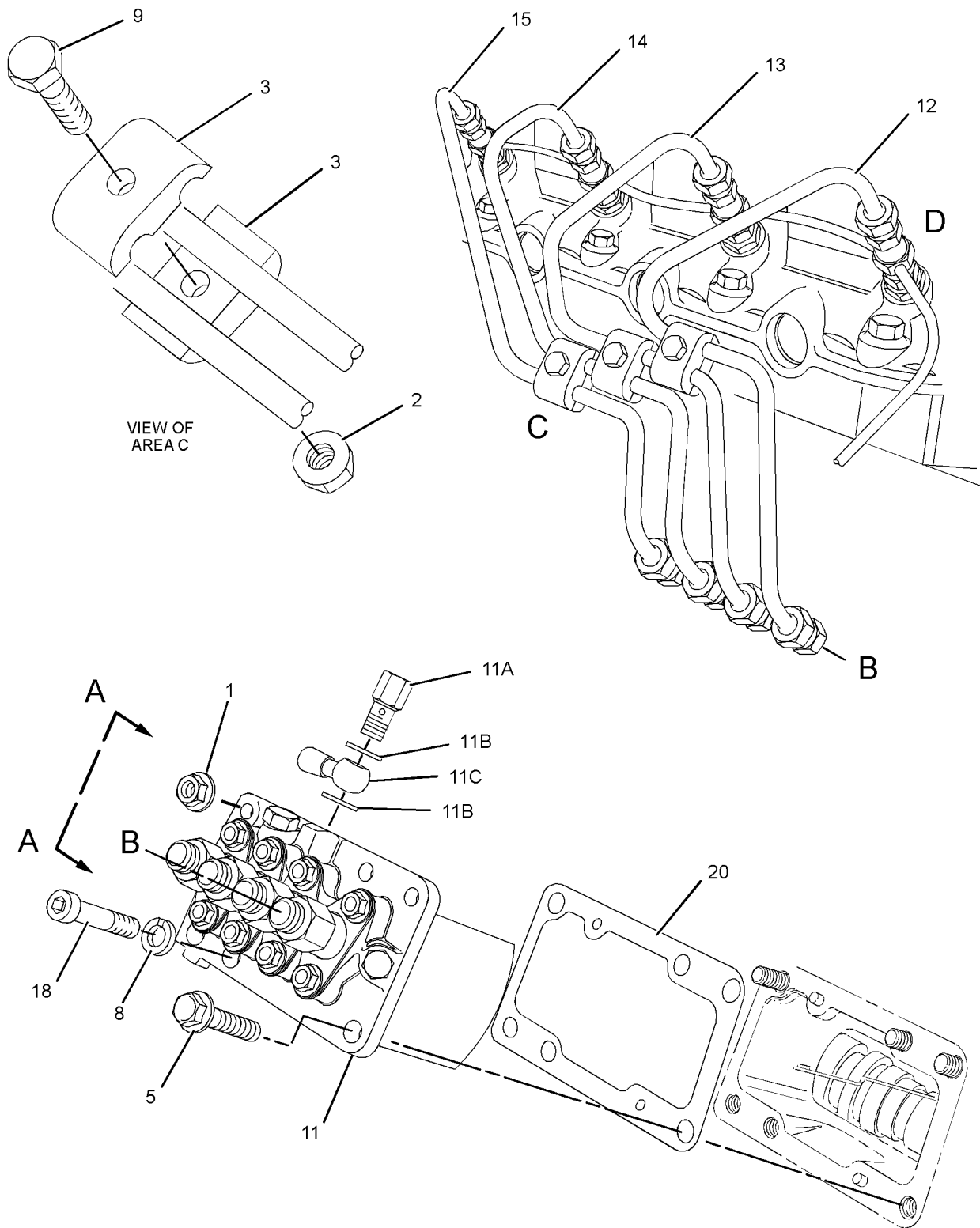
B-USE AS REQUIRED

M-METRIC PART

FUEL SYSTEM

270-6757 PUMP GP - FUEL INJECTION (contd.)

i03082515



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

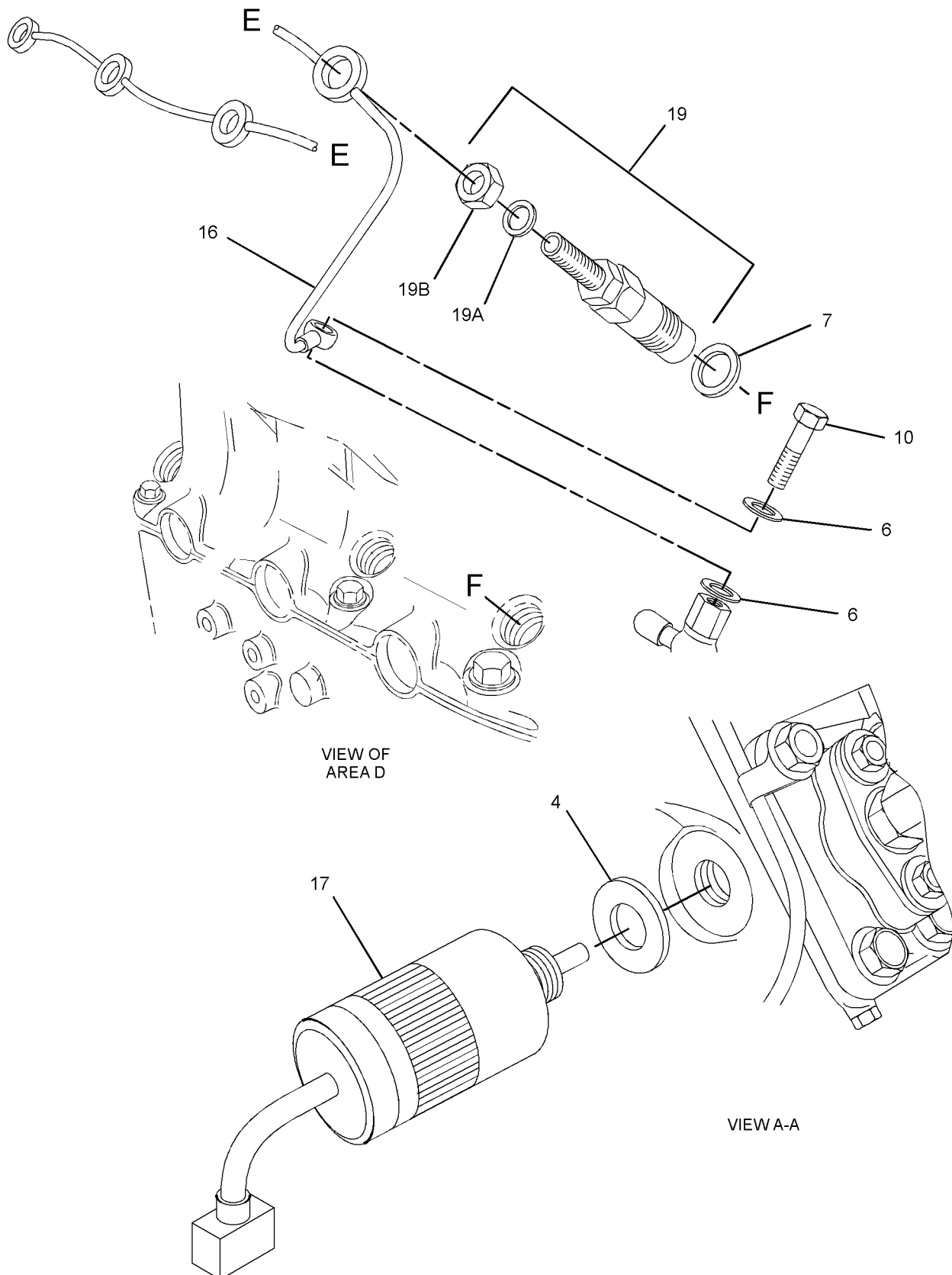
GRAPHIC #1

g01223670

FUEL SYSTEM

270-6757 PUMP GP - FUEL INJECTION (contd.)

i03082515



GRAPHIC #2

<END>

g01351969

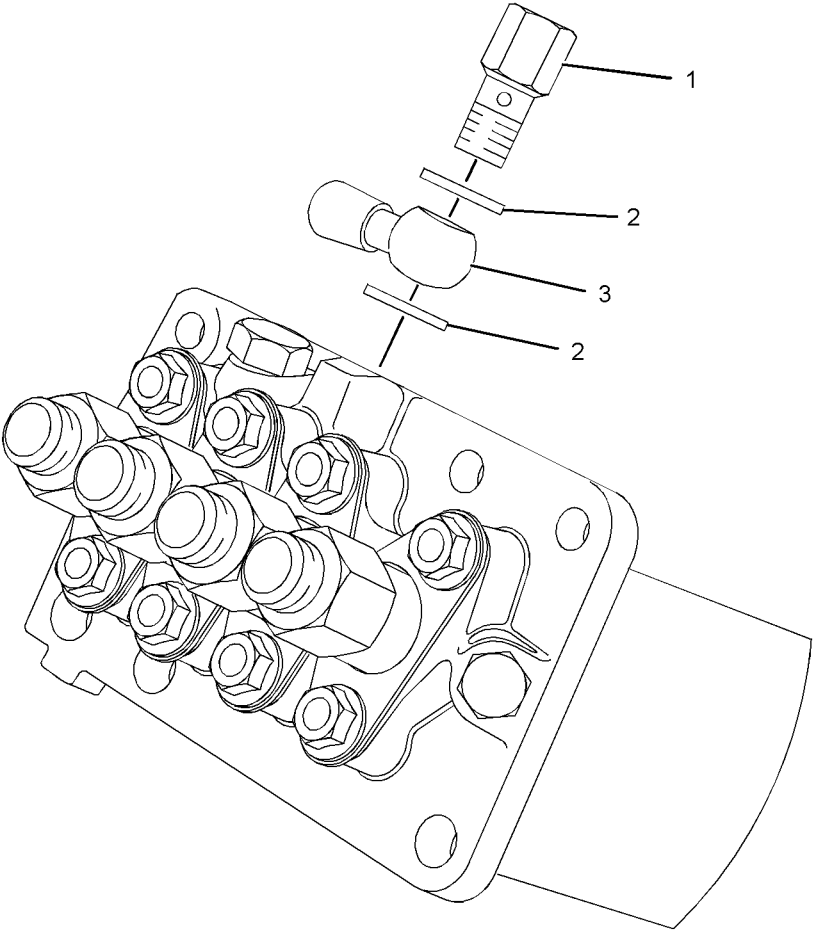
FUEL SYSTEM

306 - 6346 PUMP GP - FUEL INJECTION
PART OF 321 - 4258 PUMP GP - FUEL INJECTION

SMCS-1251, 1290

i03188105

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	205-4726	1	BOLT-SPECIAL (BANJO)	
	2	1	205-4727	2	WASHER	
	3	1	205-4728	1	CONNECTOR	



GRAPHIC #1

<END>

g01281336

FUEL SYSTEM

308-2289 PUMP GP-FUEL INJECTION

SMCS-1251, 1290

i02752409

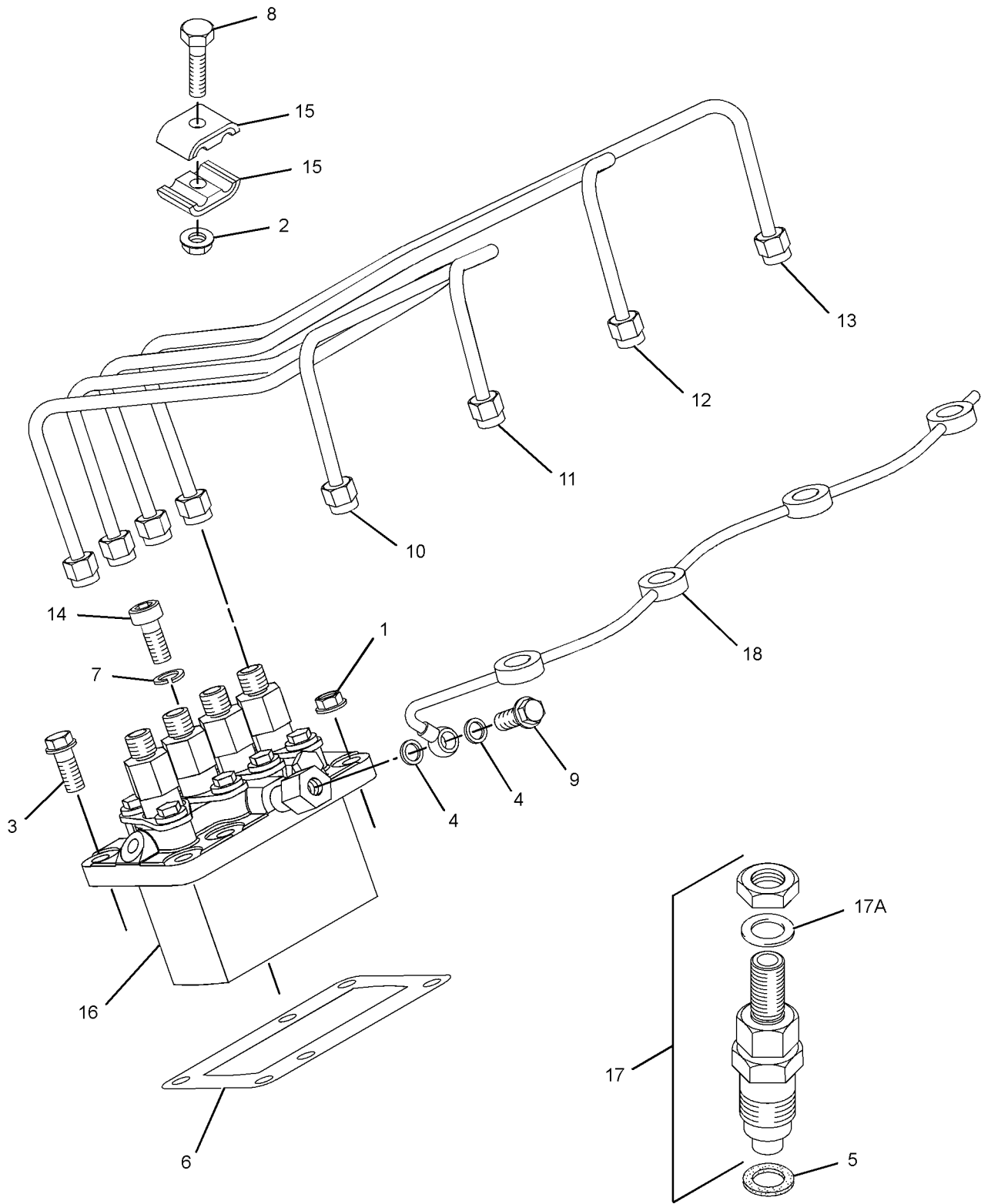
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	3	NUT						
	2	1	153-5960	3	NUT						
	3	1	154-2713	2	BOLT						
	4	1	154-2715	2	WASHER						
	5	1	154-2716	4	SEAL						
B	6	1	154-3017	1	SHIM (0.2-MM THK)						
B		1	302-7822	1	SHIM (0.25-MM THK)						
B		1	160-3555	1	SHIM (0.3-MM THK)						
B		1	302-7823	1	SHIM (0.35-MM THK)						
B		1	160-3556	1	SHIM (0.4-MM THK)						
B		1	160-3557	1	SHIM (0.5-MM THK)						
B		1	160-3558	1	SHIM (0.5-MM THK)						
	7	1	163-5372	1	WASHER (8X15.4X4-MM THK)						
	8	1	183-3353	3	BOLT						
	9	1	190-3803	1	BOLT						
	10	1	217-2760	1	TUBE AS (CYL NO. 1)						
	11	1	217-2761	1	TUBE AS (CYL NO. 2)						
	12	1	217-2762	1	TUBE AS (CYL NO. 3)						
	13	1	217-2763	1	TUBE AS (CYL NO. 4)						
	14	1	238-6914	1	BOLT (M8X1.25X20-MM)						
	15	1	290-8014	6	CLAMP						
	16	1	308-1905	1	PUMP-FUEL INJECTION						
	17	1	308-1906	4	ATOMIZER						
					(EACH INCLUDES)						
	17A	1	202-1196	1	WASHER-SPECIAL						
	18	1	311-7561	1	TUBE						

B-USE AS REQUIRED

FUEL SYSTEM

308-2289 PUMP GP - FUEL INJECTION (contd.)

i02752409



GRAPHIC #1

<END>

g01414139

FUEL SYSTEM

309-6719 PUMP GP-FUEL INJECTION

SMCS-1251, 1290

i02770709

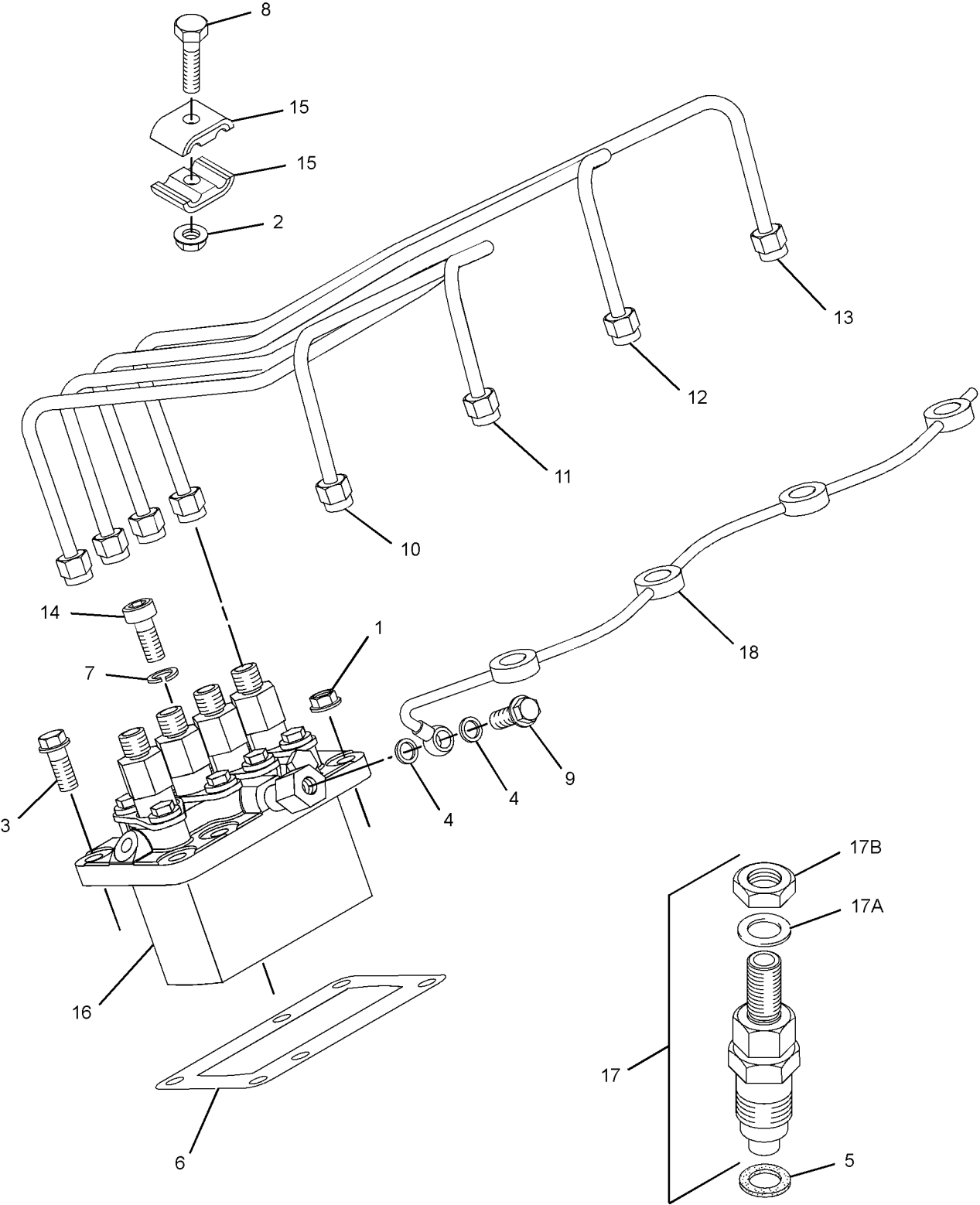
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	3	NUT						
	2	1	153-5960	3	NUT						
	3	1	154-2713	2	BOLT						
	4	1	154-2715	2	WASHER						
	5	1	154-2716	4	SEAL						
B	6	1	154-3017	1	SHIM (0.2-MM THK)						
B		1	302-7822	1	SHIM (0.25-MM THK)						
B		1	160-3555	1	SHIM (0.3-MM THK)						
B		1	302-7823	1	SHIM (0.35-MM THK)						
B		1	160-3556	1	SHIM (0.4-MM THK)						
B		1	160-3557	1	SHIM (0.5-MM THK)						
B		1	160-3558	1	SHIM (0.5-MM THK)						
	7	1	163-5372	1	WASHER (8X15.4X4-MM THK)						
	8	1	183-3353	3	BOLT						
	9	1	190-3803	1	BOLT						
	10	1	217-2760	1	TUBE AS (CYL NO. 1)						
	11	1	217-2761	1	TUBE AS (CYL NO. 2)						
	12	1	217-2762	1	TUBE AS (CYL NO. 3)						
	13	1	217-2763	1	TUBE AS (CYL NO. 4)						
M	14	1	8T-4189	1	BOLT (M8X1.25X20-MM)						
	15	1	290-8014	6	CLAMP						
	16	1	309-6734	1	PUMP GP-FUEL INJECTION						
	17	1	154-3018	4	INJECTOR AS-FUEL						
					(EACH INCLUDES)						
	17A	1	202-1196	1	WASHER-SPECIAL						
	17B	1	205-4731	1	NUT						
	18	1	311-7561	1	TUBE						

B-USE AS REQUIRED
M-METRIC PART

FUEL SYSTEM

309-6719 PUMP GP - FUEL INJECTION (contd.)

i02770709



GRAPHIC #1

<END>

g01414308

FUEL SYSTEM

311-1683 PUMP GP-FUEL INJECTION

SMCS-1251, 1290

i02812782

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	3	NUT						
	2	1	153-5960	3	NUT						
	3	1	154-2713	2	BOLT						
	4	1	154-2715	2	WASHER						
	5	1	154-2716	4	SEAL						
	6	1	154-3018	4	INJECTOR AS-FUEL						
					(EACH INCLUDES)						
	6A	1	202-1196	1	WASHER-SPECIAL						
	6B	1	205-4731	1	NUT						
B	7	1	154-3017	1	SHIM (0.2-MM THK)						
B			302-7822	1	SHIM (0.25-MM THK)						
B			160-3555	1	SHIM (0.3-MM THK)						
B			302-7823	1	SHIM (0.35-MM THK)						
B			160-3556	1	SHIM (0.4-MM THK)						
B			160-3557	1	SHIM (0.5-MM THK)						
B			160-3558	1	SHIM (0.5-MM THK)						
	8	1	163-5372	1	WASHER (8X15.4X4-MM THK)						
	9	1	183-3353	3	BOLT						
	10	1	190-3803	1	BOLT						
	11	1	217-2760	1	TUBE AS (CYL NO. 1)						
	12	1	217-2761	1	TUBE AS (CYL NO. 2)						
	13	1	217-2762	1	TUBE AS (CYL NO. 3)						
	14	1	217-2763	1	TUBE AS (CYL NO. 4)						
	15	1	311-7561	1	TUBE						
M	16	1	8T-4189	1	BOLT (M8X1.25X20-MM)						
	17	1	290-8014	6	CLAMP						
	18	1	309-6734	1	PUMP GP-FUEL INJECTION						

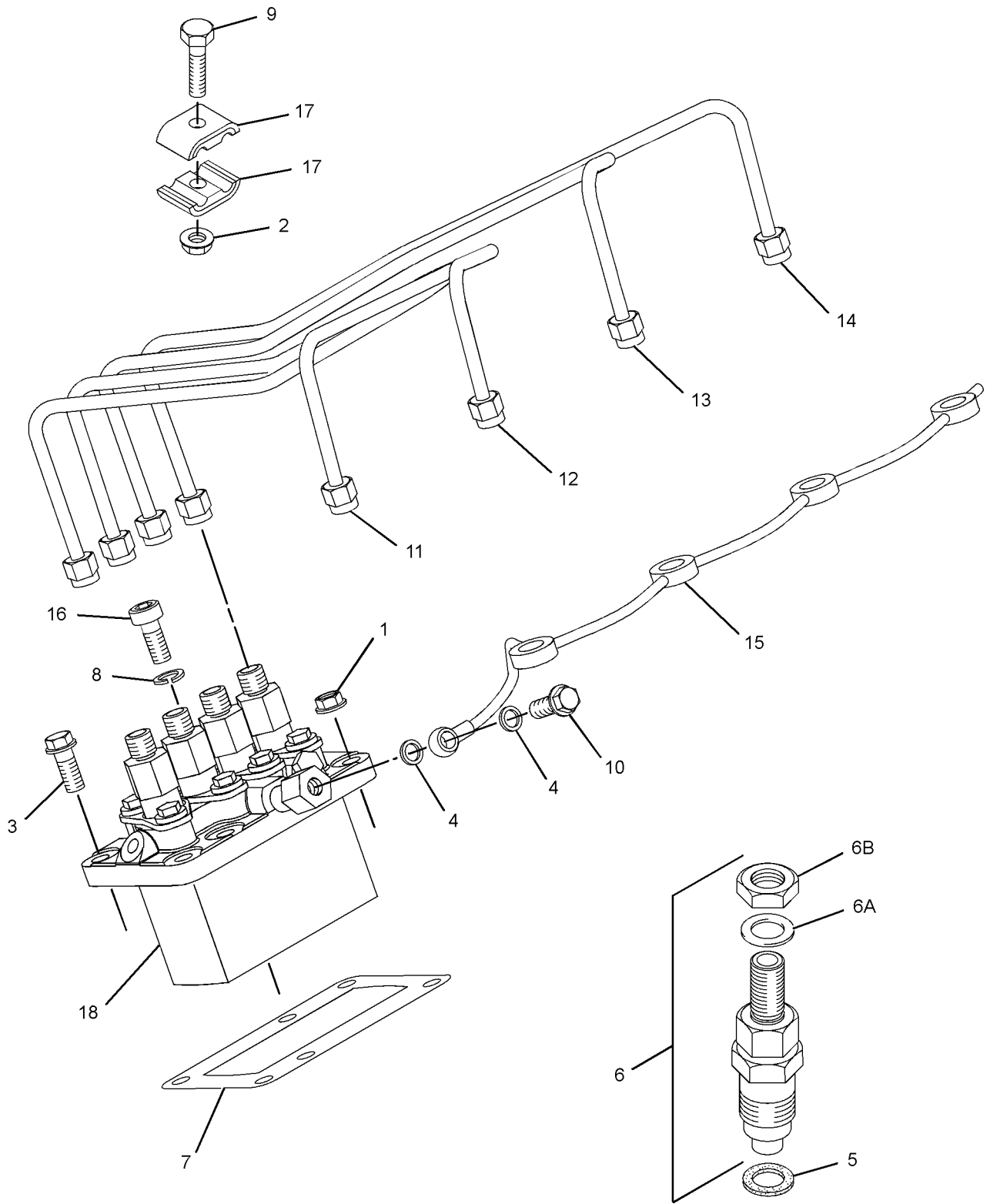
B-USE AS REQUIRED

M-METRIC PART

FUEL SYSTEM

311 - 1683 PUMP GP - FUEL INJECTION (contd.)

i02812782



GRAPHIC #1

<END>

g01418978

FUEL SYSTEM

311-9026 PUMP GP-FUEL INJECTION

SMCS-1251, 1290

i02847148

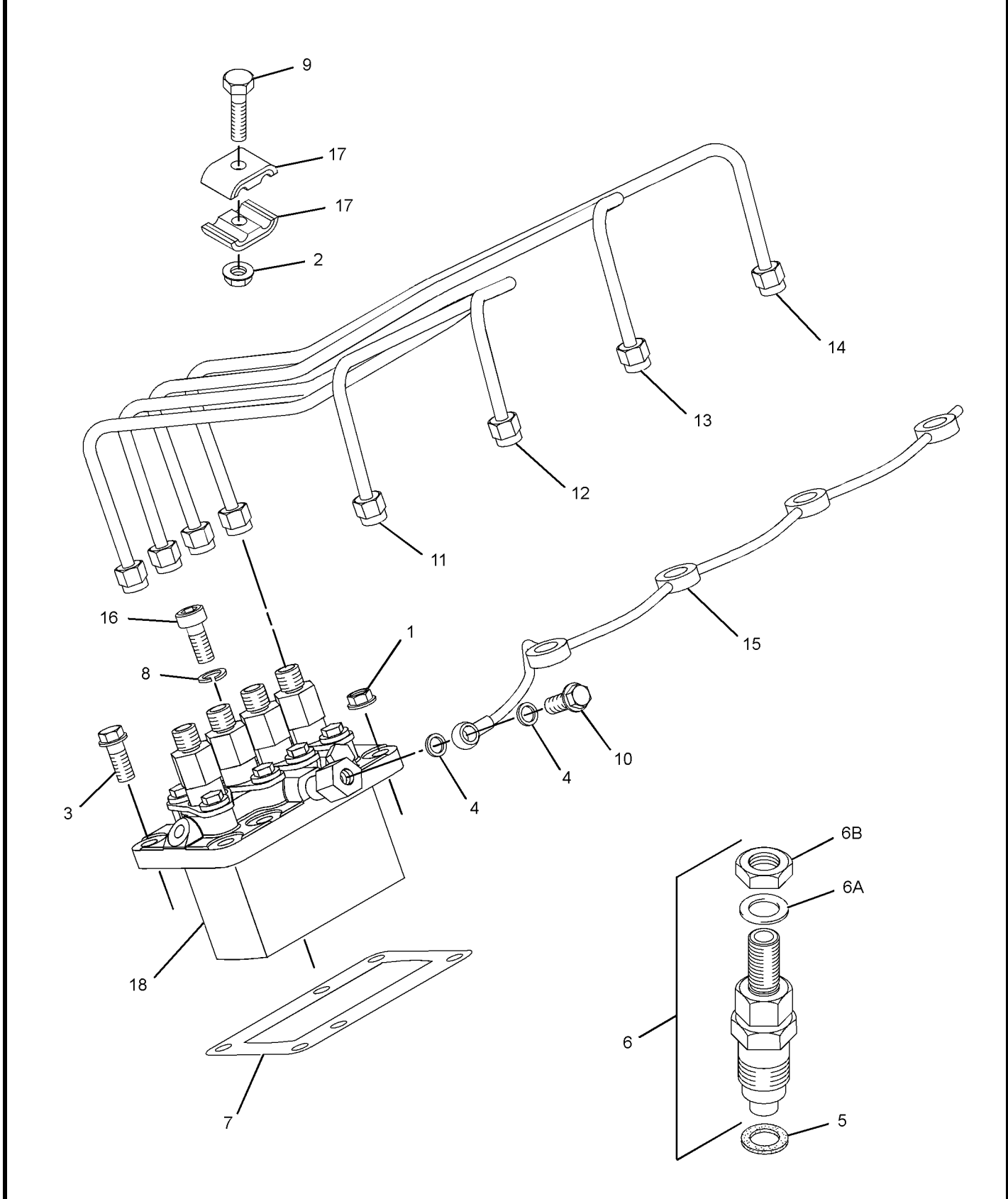
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	3	NUT						
	2	1	153-5960	3	NUT						
	3	1	154-2713	2	BOLT						
	4	1	154-2715	2	WASHER						
	5	1	154-2716	4	SEAL						
	6	1	154-3018	4	INJECTOR AS-FUEL						
					(EACH INCLUDES)						
	6A	1	202-1196	1	WASHER-SPECIAL						
	6B	1	205-4731	1	NUT						
B	7	1	154-3017	1	SHIM (0.2-MM THK)						
B			302-7822	1	SHIM (0.25-MM THK)						
B			160-3555	1	SHIM (0.3-MM THK)						
B			302-7823	1	SHIM (0.35-MM THK)						
B			160-3556	1	SHIM (0.4-MM THK)						
B			160-3557	1	SHIM (0.5-MM THK)						
B			160-3558	1	SHIM (0.5-MM THK)						
	8	1	163-5372	1	WASHER (8X15.4X4-MM THK)						
	9	1	183-3353	3	BOLT						
	10	1	190-3803	1	BOLT						
	11	1	217-2760	1	TUBE AS (CYL NO. 1)						
	12	1	217-2761	1	TUBE AS (CYL NO. 2)						
	13	1	217-2762	1	TUBE AS (CYL NO. 3)						
	14	1	217-2763	1	TUBE AS (CYL NO. 4)						
	15	1	311-7561	1	TUBE						
M	16	1	8T-4189	1	BOLT (M8X1.25X20-MM)						
	17	1	290-8014	6	CLAMP						
	18	1	309-6734	1	PUMP GP-FUEL INJECTION						

B-USE AS REQUIRED
M-METRIC PART

FUEL SYSTEM

311-9026 PUMP GP-FUEL INJECTION (contd.) i02847148

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GRAPHIC #1

<END>

g01418978

FUEL SYSTEM

317-0977 PUMP GP-FUEL INJECTION

SMCS-1251, 1290

i03168326

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	3	NUT						
	2	1	153-5960	3	NUT						
	3	1	154-2713	2	BOLT						
	4	1	154-2715	2	WASHER						
	5	1	154-2716	4	SEAL						
B	6	1	154-3017	1	SHIM (0.2-MM THK)						
B		1	302-7822	1	SHIM (0.25-MM THK) (0.25-MM THK)						
B		1	160-3555	1	SHIM (0.3-MM THK)						
B		1	302-7823	1	SHIM (0.35-MM THK) (0.35-MM THK)						
B		1	160-3556	1	SHIM (0.4-MM THK)						
B		1	160-3557	1	SHIM (0.5-MM THK)						
B		1	160-3558	1	SHIM (0.5-MM THK)						
	7	1	163-5372	1	WASHER (8X15.4X4-MM THK)						
	8	1	183-3353	3	BOLT						
	9	1	190-3803	1	BOLT						
	10	1	217-2760	1	TUBE AS (CYL NO. 1)						
	11	1	217-2761	1	TUBE AS (CYL NO. 2)						
	12	1	217-2762	1	TUBE AS (CYL NO. 3)						
	13	1	217-2763	1	TUBE AS (CYL NO. 4)						
M	14	1	8T-4189	1	BOLT (M8X1.25X20-MM)						
	15	1	290-8014	6	CLAMP						
	16	1	308-1905	1	PUMP-FUEL INJECTION						
	17	1	308-1906	4	ATOMIZER						
	17A	1	202-1196	1	WASHER-SPECIAL						
	18	1	311-7561	1	TUBE						

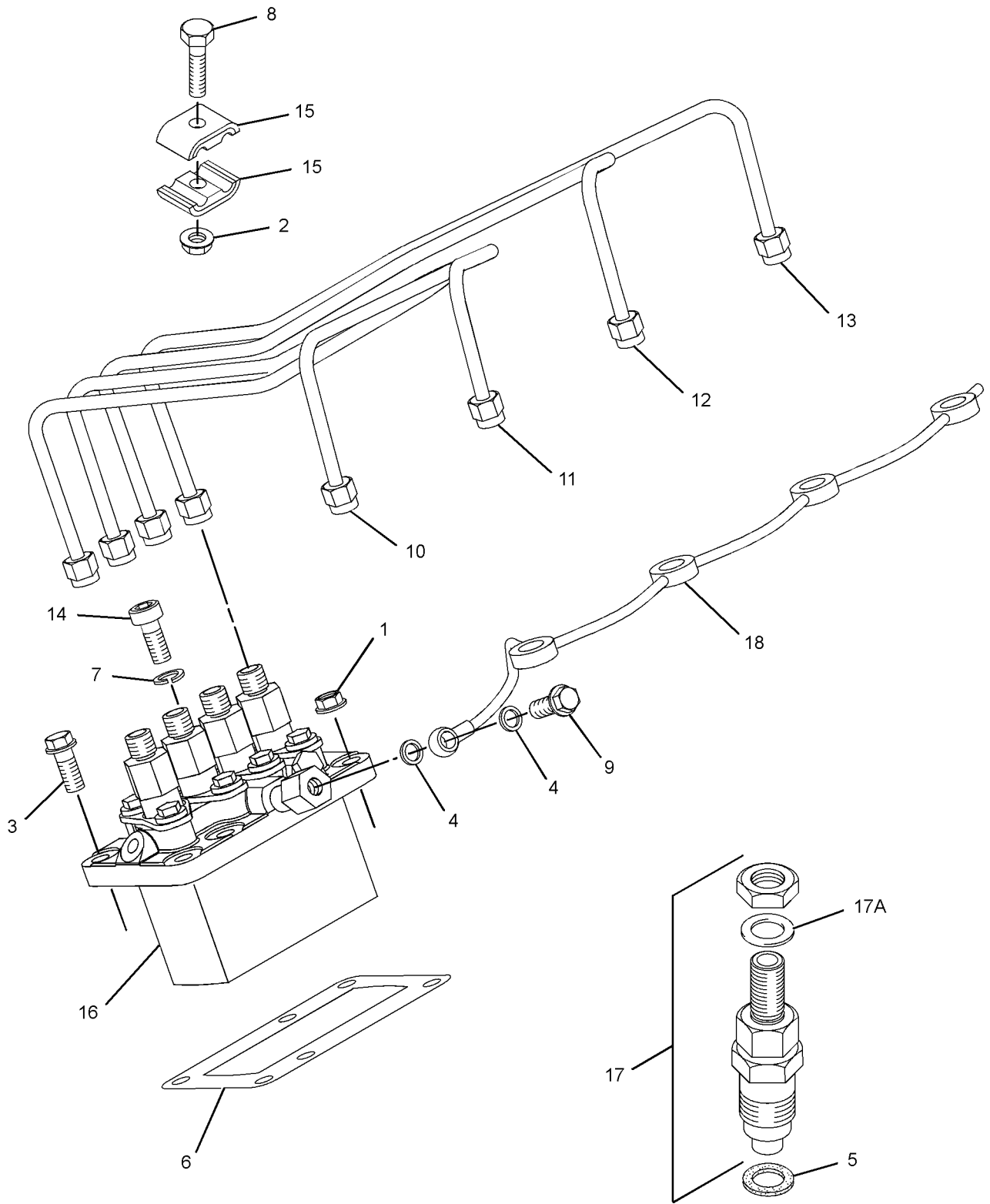
B-USE AS REQUIRED

M-METRIC PART

FUEL SYSTEM

317-0977 PUMP GP - FUEL INJECTION (contd.)

i03168326



GRAPHIC #1

<END>

g01438681

FUEL SYSTEM

321-4258 PUMP GP-FUEL INJECTION

SMCS-1251, 1290

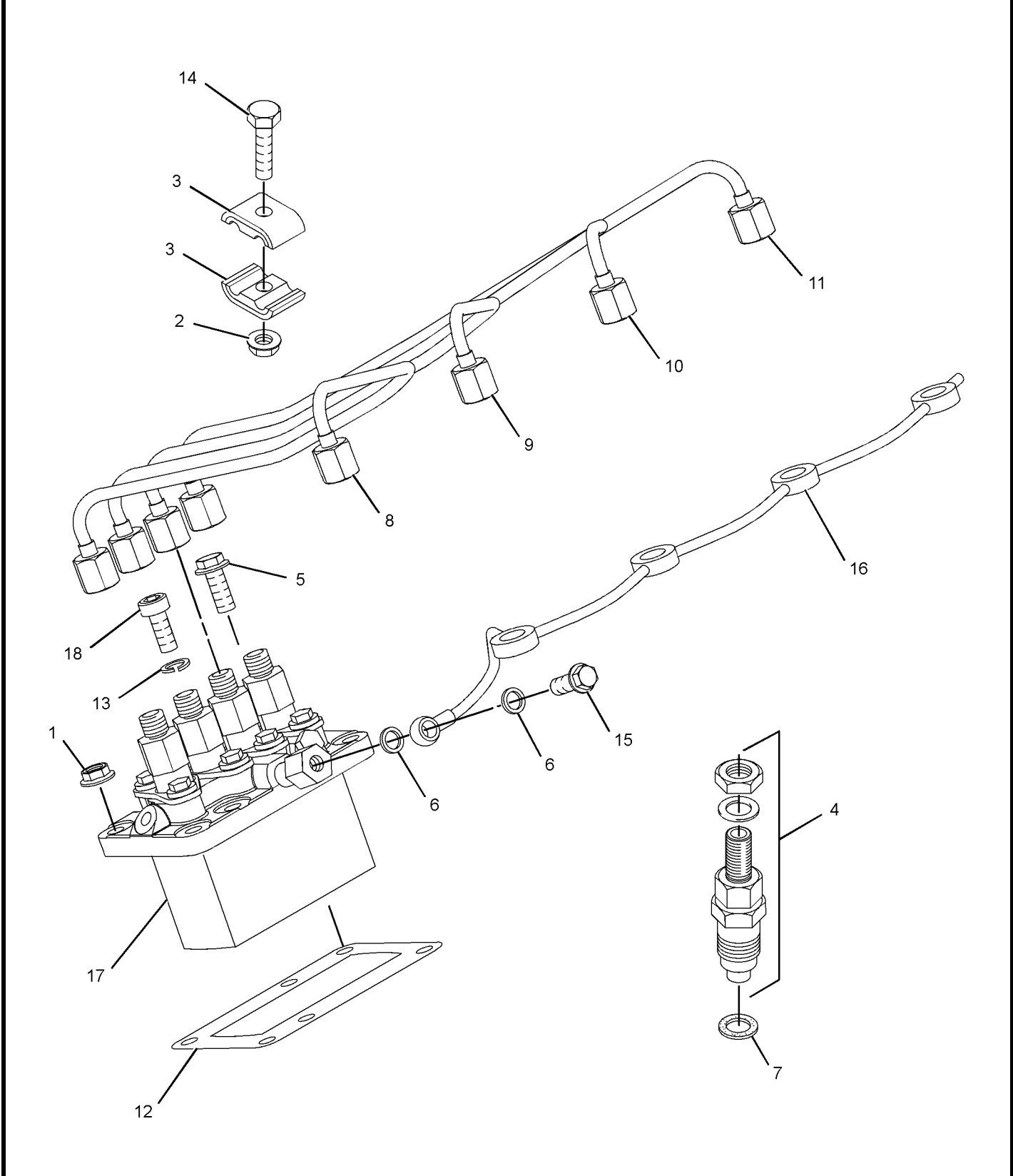
i03149561

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	3	NUT						
	2	1	153-5960	3	NUT						
	3	1	290-8014	6	CLAMP						
	4	1	233-0584	4	INJECTOR AS-FUEL						
	5	1	154-2713	2	BOLT						
	6	1	154-2715	2	WASHER						
	7	1	154-2716	4	SEAL						
	8	1	154-2722	1	TUBE AS-FUEL INJECTION (CYL NO.1)						
	9	1	154-2723	1	TUBE AS-FUEL INJECTION (CYL NO.2)						
	10	1	154-2724	1	TUBE AS-FUEL INJECTION (CYL NO.3)						
	11	1	154-2725	1	TUBE AS-FUEL INJECTION (CYL NO.4)						
B	12	1	154-3017	1	SHIM (0.2-MM THK)						
B		1	302-7822	1	SHIM (0.25-MM THK)						
B		1	160-3555	1	SHIM (0.3-MM THK)						
B		1	302-7823	1	SHIM (0.35-MM THK)						
B		1	160-3556	1	SHIM (0.4-MM THK)						
B		1	160-3557	1	SHIM (0.5-MM THK)						
B		1	160-3558	1	SHIM (0.5-MM THK) (FLAT)						
	13	1	163-5372	1	WASHER (8X15.4X4-MM THK)						
	14	1	183-3353	3	BOLT						
	15	1	190-3803	1	BOLT						
	16	1	311-7561	1	TUBE						
Y	17	1	306-6346	1	PUMP GP-FUEL INJECTION						221
M	18	1	8T-4189	1	BOLT (M8X1.25X20-MM)						

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION

FUEL SYSTEM

321-4258 PUMP GP-FUEL INJECTION (contd.)	i03149561
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GRAPHIC #1 <END> g01607277

SEBP4544-04 **2 of 2** FUEL SYSTEM **233**

FUEL SYSTEM

322 - 3075 PUMP GP - FUEL INJECTION

SMCS-1251, 1290

i02938849

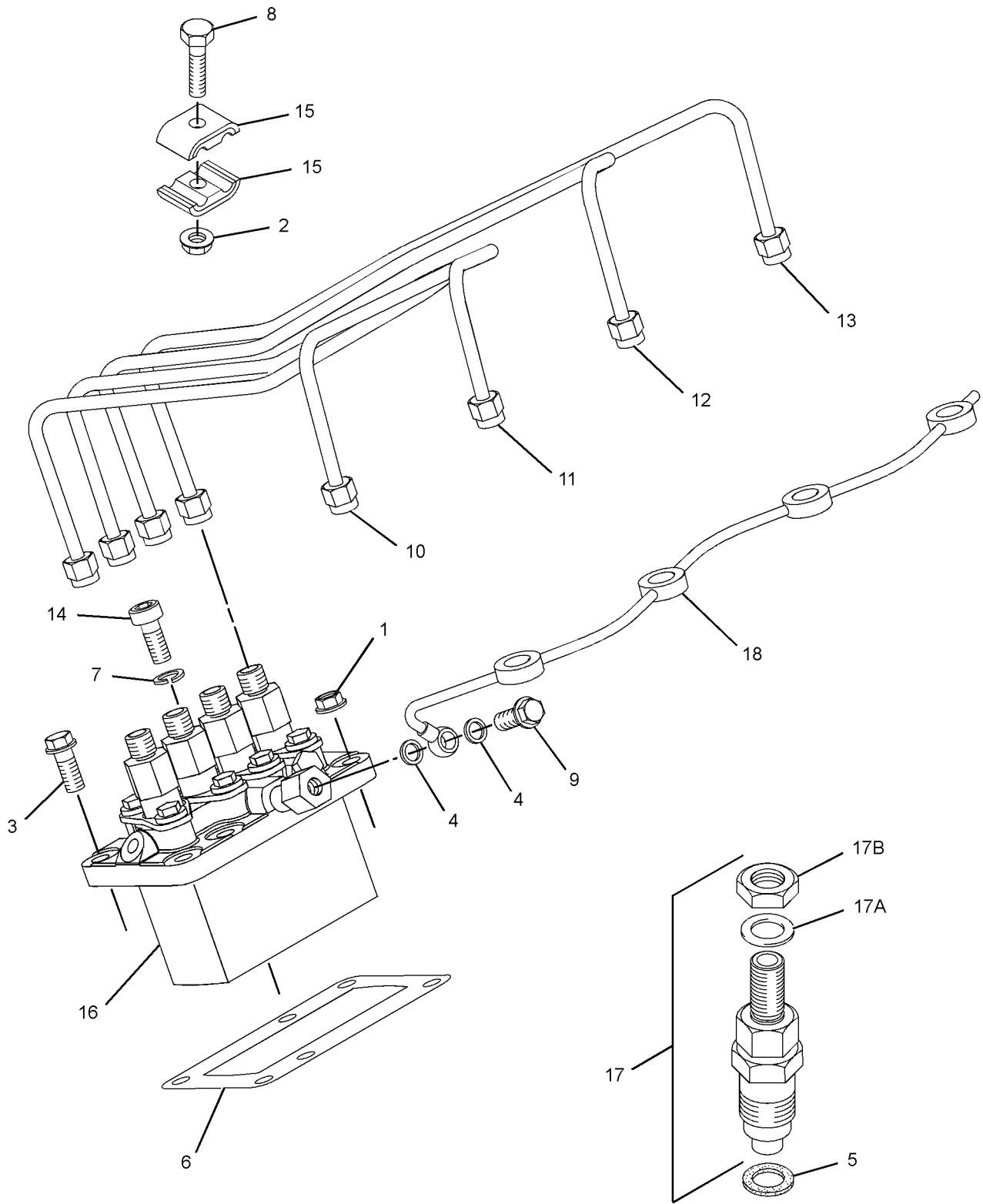
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5592	3	NUT						
	2	1	153-5960	3	NUT						
	3	1	154-2713	2	BOLT						
	4	1	154-2715	2	WASHER						
	5	1	154-2716	4	SEAL						
B	6	1	154-3017	1	SHIM (0.2-MM THK)						
B		1	302-7822	1	SHIM (0.25-MM THK) (0.25-MM THK)						
B		1	160-3555	1	SHIM (0.3-MM THK)						
B		1	302-7823	1	SHIM (0.35-MM THK) (0.35-MM THK)						
B		1	160-3556	1	SHIM (0.4-MM THK)						
B		1	160-3557	1	SHIM (0.5-MM THK)						
B		1	160-3558	1	SHIM (0.5-MM THK)						
	7	1	163-5372	1	WASHER (8X15.4X4-MM THK)						
	8	1	183-3353	3	BOLT						
	9	1	190-3803	1	BOLT						
	10	1	217-2760	1	TUBE AS (CYL NO. 1)						
	11	1	217-2761	1	TUBE AS (CYL NO. 2)						
	12	1	217-2762	1	TUBE AS (CYL NO. 3)						
	13	1	217-2763	1	TUBE AS (CYL NO. 4)						
M	14	1	8T-4189	1	BOLT (M8X1.25X20-MM)						
	15	1	290-8014	6	CLAMP						
	16	1	309-6734	1	PUMP GP - FUEL INJECTION						
	17	1	154-3018	4	INJECTOR AS - FUEL						
					(EACH INCLUDES)						
	17A	1	202-1196	1	WASHER - SPECIAL						
	17B	1	205-4731	1	NUT						
	18	1	311-7561	1	TUBE						

B - USE AS REQUIRED
M - METRIC PART

FUEL SYSTEM

322 - 3075 PUMP GP - FUEL INJECTION (contd.)

i02938849



GRAPHIC #1

<END>

g01414308

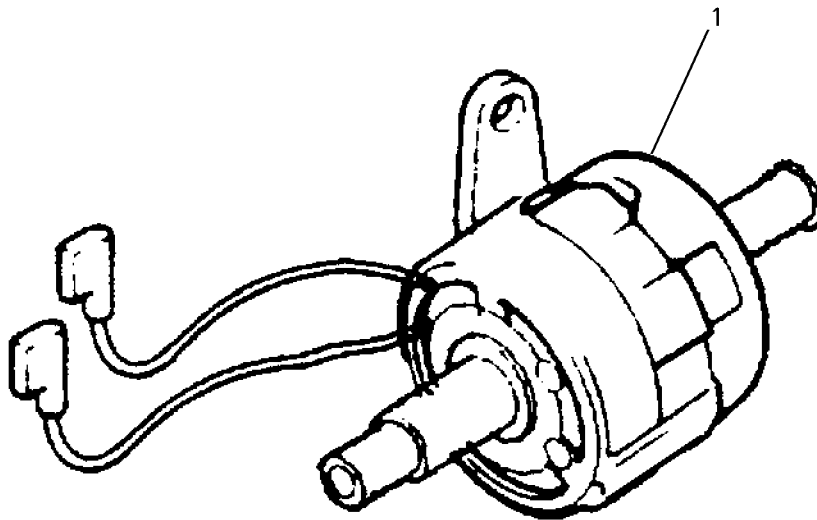
FUEL SYSTEM

308-2320 PUMP GP-FUEL PRIMING

SMCS-1258

i02752319

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	197-8540	1	PUMP GP-FUEL PRIMING	



GRAPHIC #1

<END>

g00758447

FUEL SYSTEM

317-6706 PUMP GP-FUEL PRM & PRIM FILTER

SMCS-1258, 1260

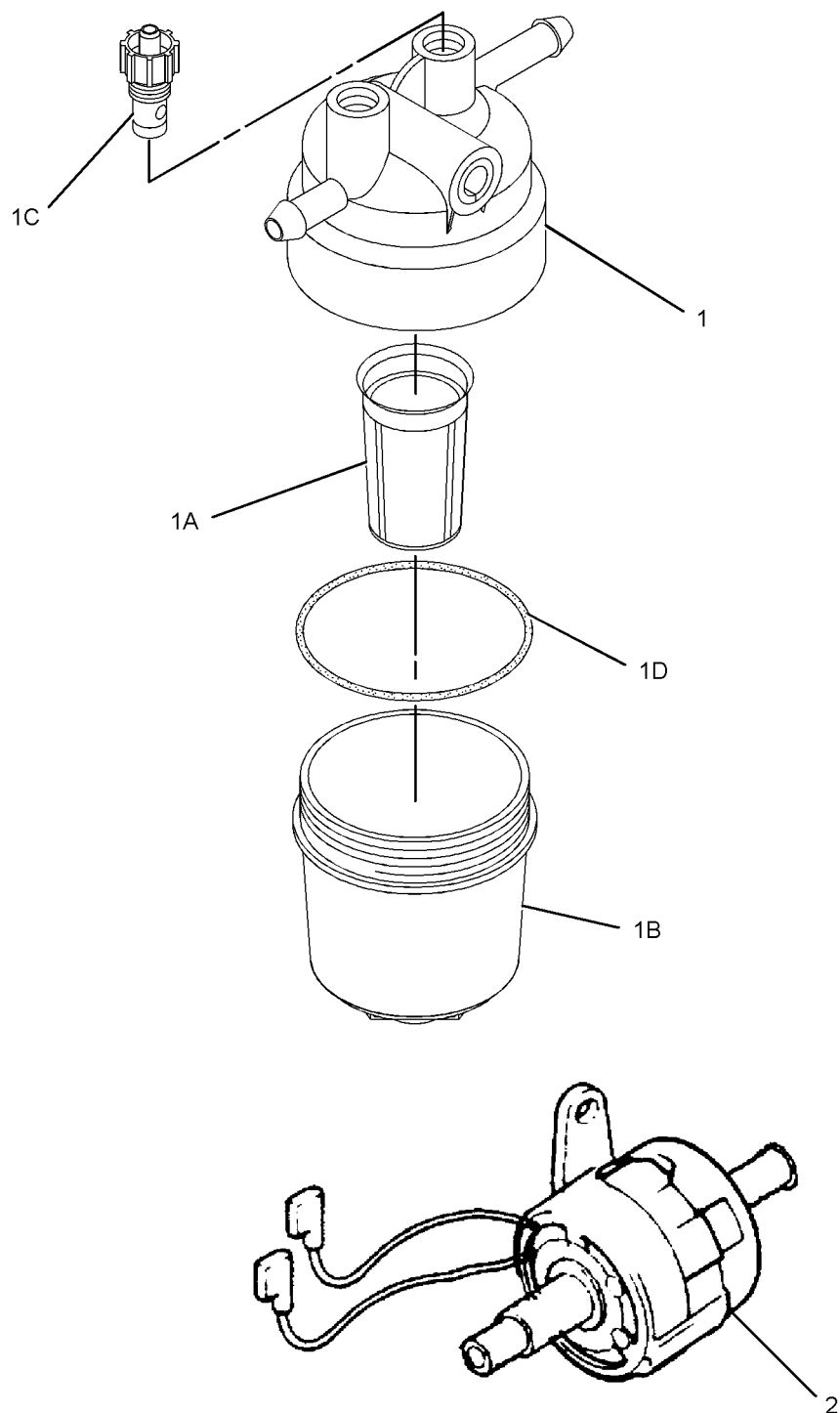
i03253906

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	276-1804	1	FILTER GP-FUEL (WATER SEPARATOR)	
	1A	1	276-1806	1	FILTER ELEMENT-FUEL	
	1B	1	302-7776	1	BOWL-FUEL FILTER	
	1C	1	302-7777	3	PLUG-DRAIN (WATER SEPARATOR)	
	1D	1	302-7778	1	SEAL	
	2	1	197-8540	1	PUMP GP-FUEL PRIMING	

FUEL SYSTEM

317-6706 PUMP GP - FUEL PRM & PRIM FILTER (contd.)

i03253906



GRAPHIC #1

<END>

g01620535

FUEL SYSTEM

311-9028 PUMP GP-FUEL TRANSFER

SMCS-1256

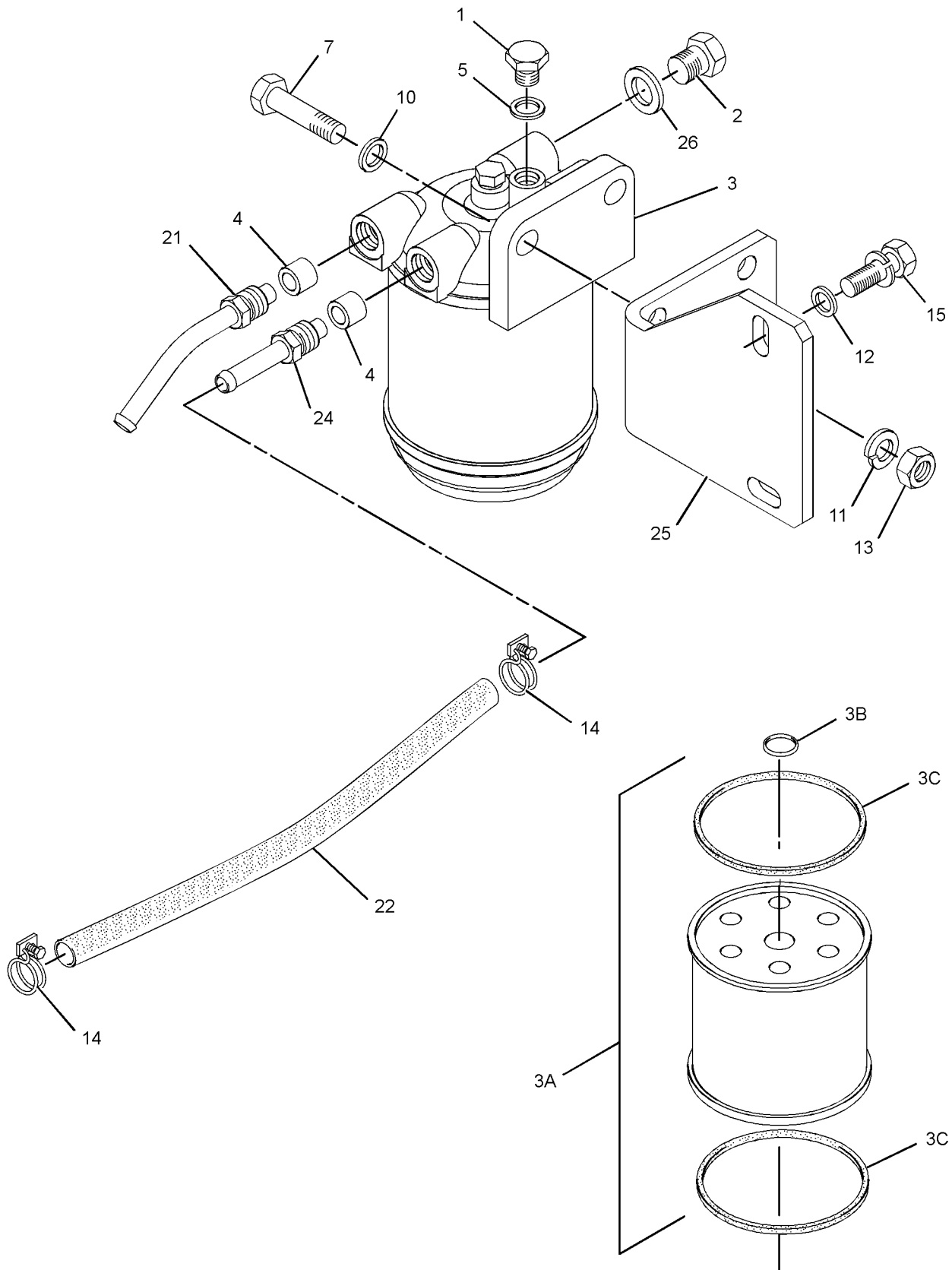
i02941473

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	7W-4694	1	PLUG						
	2	1	033-7849	2	PLUG						
	3	1	033-7854	1	FILTER AS-FUEL						
	3A	1	067-6987	1	KIT-ELEMENT (FUEL FILTER)						
	3B	1	6F-4855	1	SEAL-O-RING						
	3C	1	069-2922	2	GASKET (FUEL FILTER)						
	4	1	067-6269	3	FERRULE						
	5	1	067-6317	1	WASHER (0.4X0.566X0.04-IN THK)						
	7	1	138-7162	2	BOLT						
	8	2	153-5592	1	NUT						
	9	2	153-6838	2	BOLT						
	10	1	154-1399	2	WASHER						
	11	1	154-2403	2	WASHER						
	12	1,2	155-7984	1	WASHER						
	13	1	155-8085	2	NUT						
	14	1	160-3550	2	CLAMP-HOSE						
	15	1,2	168-9001	2	BOLT						
	16	2	183-4036	1	CONNECTOR						
	17	2	183-4320	1	PUMP AS-FUEL TRANSFER						
	18	2	183-4321	1	BRACKET						
	19	2	183-4323	1	COVER						
	20	2	215-2606	1	GASKET						
	21	1	218-2355	1	LINE-FUEL						
	22	1	234-9556	1	HOSE-FUEL						
	23	2	243-6411	1	FILTER AS-FUEL						
	24	1	302-4187	1	TUBE						
	25	1	311-1174	1	BRACKET						
	26	1	311-9048	1	WASHER						

FUEL SYSTEM

311-9028 PUMP GP - FUEL TRANSFER (contd.)

i02941473



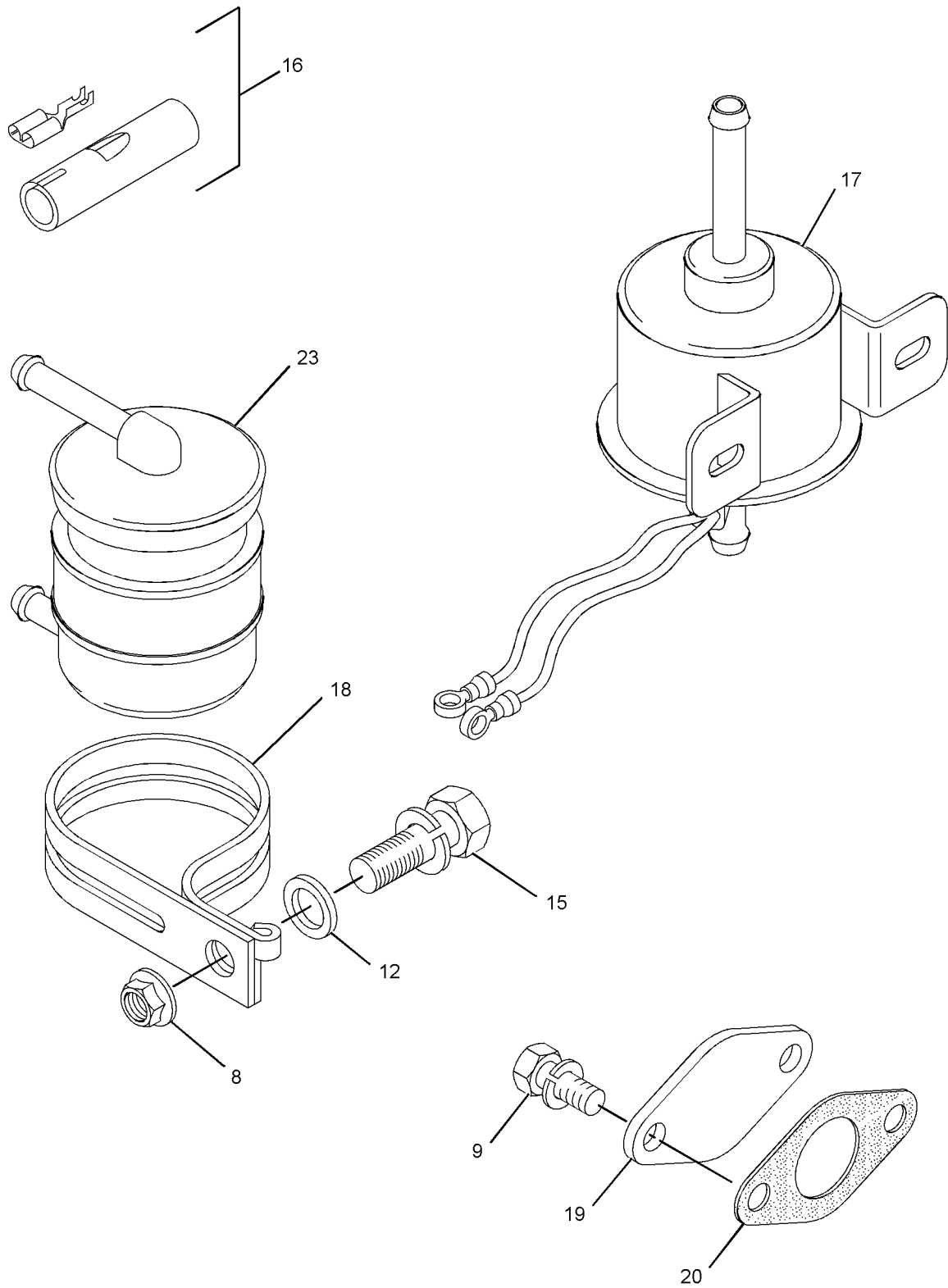
GRAPHIC #1

g01418528

FUEL SYSTEM

311-9028 PUMP GP - FUEL TRANSFER (contd.)

i02941473



GRAPHIC #2

<END>

g01419064

FUEL SYSTEM

327-7633 PUMP GP-FUEL TRANSFER

SMCS-1256

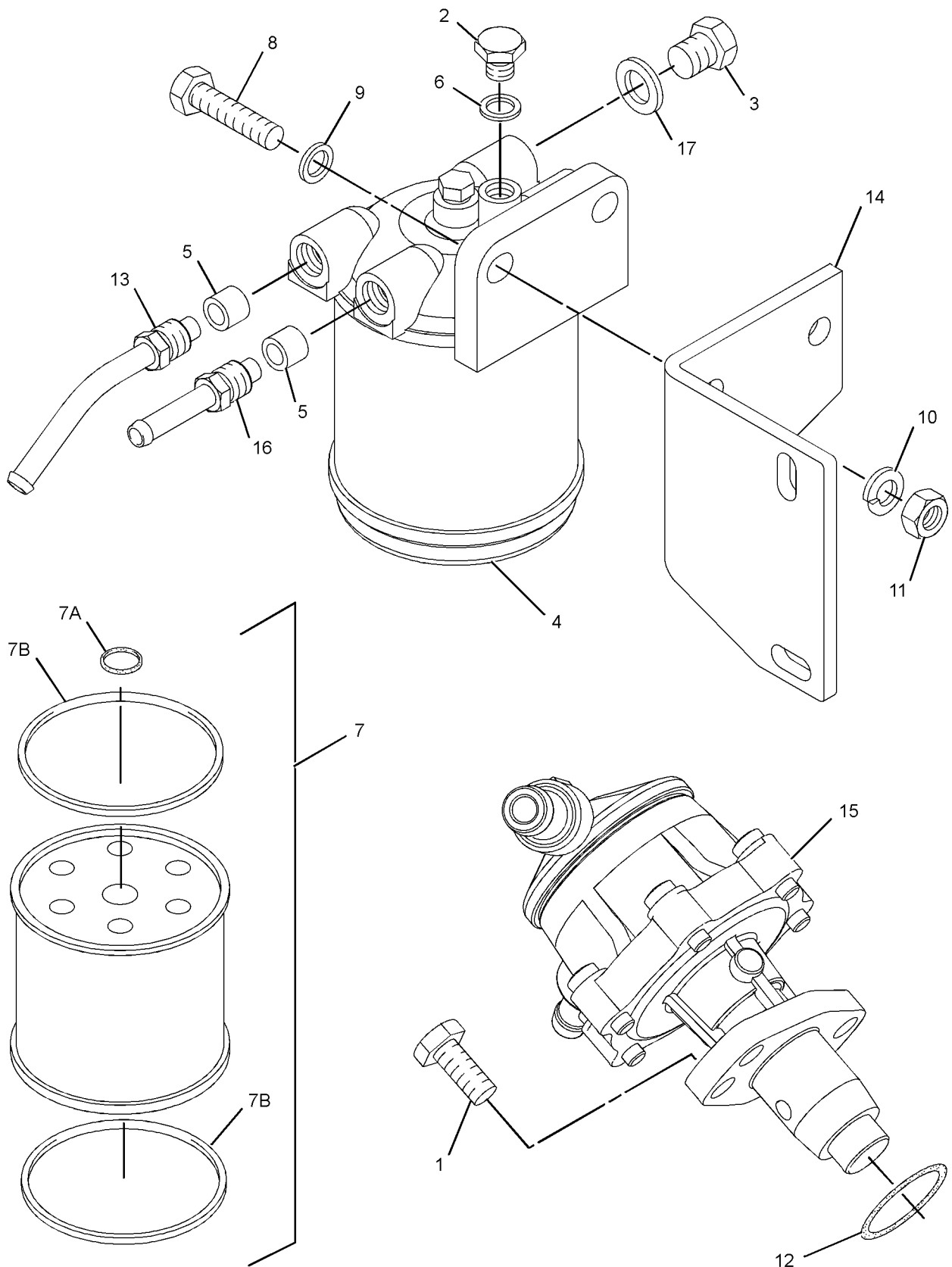
i03124524

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6I-0846	2	BOLT (M6X1X14-MM)						
	2	1	7W-4694	1	PLUG						
	3	1	033-7849	2	PLUG						
	4	1	033-7854	1	FILTER AS-FUEL						
	5	1	067-6269	2	FERRULE						
	6	1	067-6317	1	WASHER (0.4X0.566X0.04-IN THK)						
	7	1	067-6987	1	KIT-ELEMENT (FUEL FILTER)						
	7A	1	6F-4855	2	SEAL-O-RING						
	7B	1	069-2922	2	GASKET						
	8	1	138-7162	2	BOLT						
	9	1	154-1399	2	WASHER						
	10	1	154-2403	2	WASHER						
	11	1	155-8085	2	NUT						
	12	1	176-7719	1	SEAL-O-RING						
	13	1	218-2355	1	LINE-FUEL						
	14	1	223-8182	1	BRACKET						
	15	1	295-4070	1	PUMP AS-FUEL TRANSFER						
	16	1	302-4187	1	TUBE						
	17	1	311-9048	1	WASHER						

FUEL SYSTEM

327-7633 PUMP GP - FUEL TRANSFER (contd.)

i03124524



GRAPHIC #1

<END>

g01660853

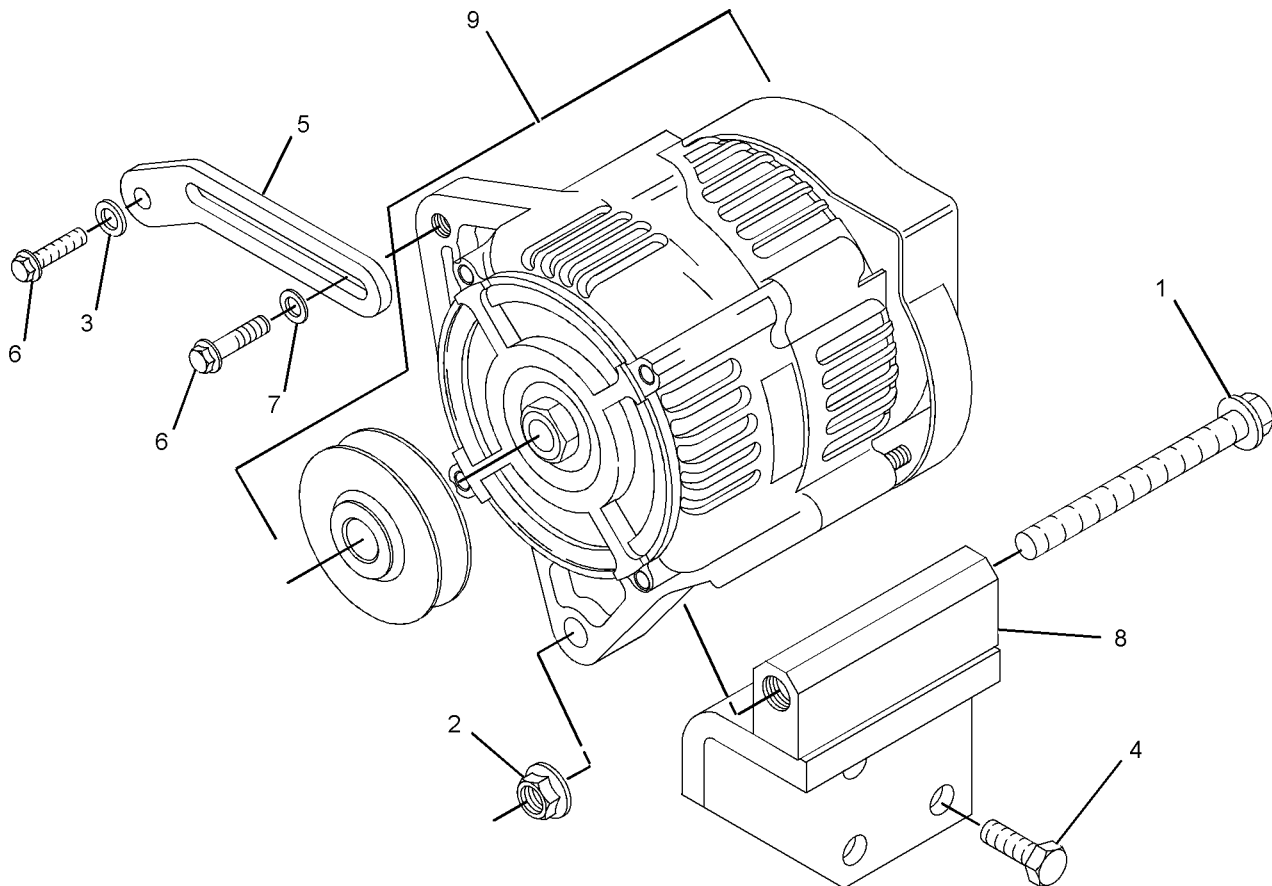
ELECTRICAL AND STARTING SYSTEM

265 - 6942 ALTERNATOR GP - CHARGING

SMCS - 1405

i03082513

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	100-8451	1	BOLT (M8X1.25X130-MM)						
	2	1	153-5592	1	NUT						
	3	1	155-7984	1	WASHER						
	4	1	165-2141	3	BOLT						
	5	1	168-8999	1	LEVER-ADJUSTING						
	6	1	168-9001	2	BOLT						
	7	1	168-9002	1	WASHER						
	8	1	246-4267	1	BRACKET						
	9	1	305-3661	1	ALTERNATOR GP - CHARGING						



GRAPHIC #1

<END>

g01340428

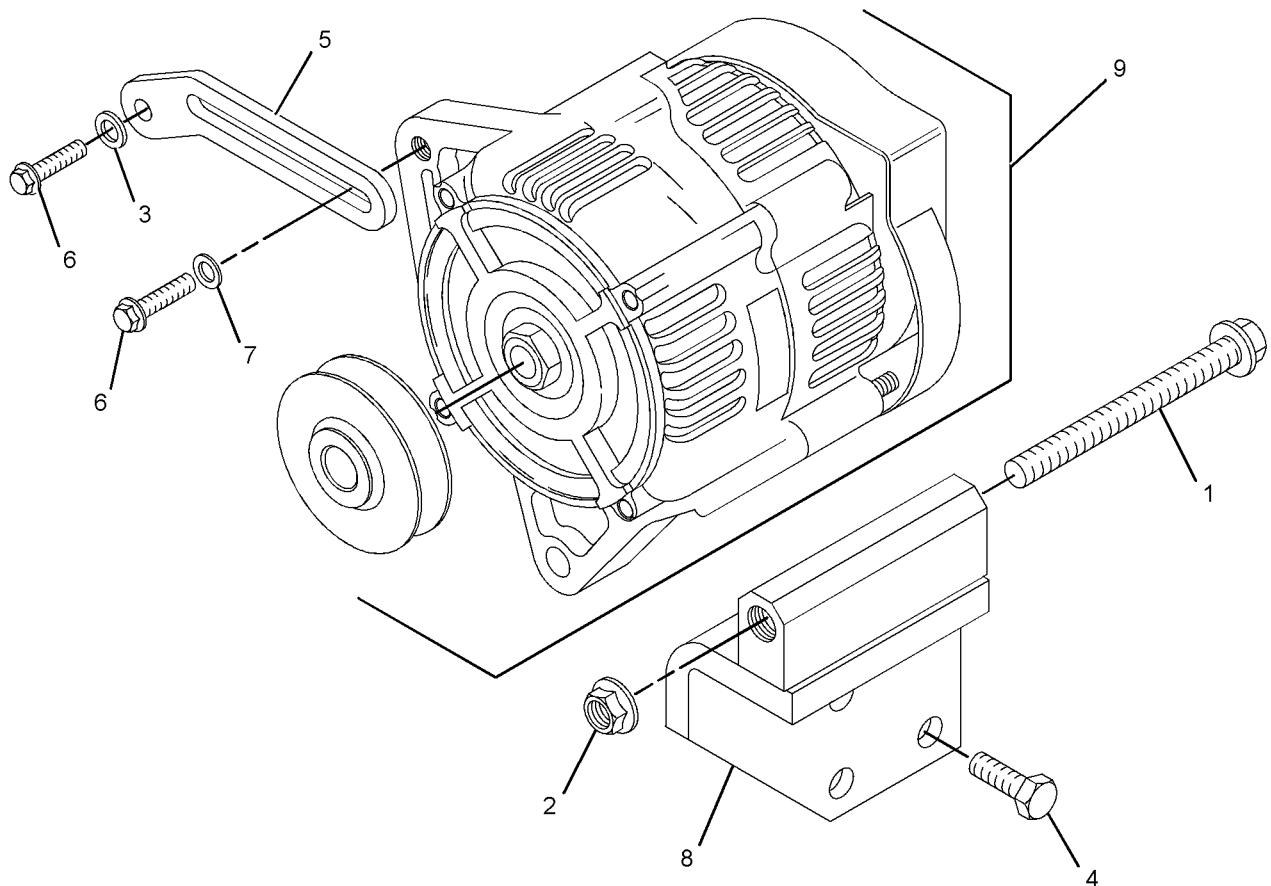
ELECTRICAL AND STARTING SYSTEM

308-2305 ALTERNATOR GP-CHARGING

SMCS-1405

i02752275

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	100-8451	1	BOLT						
	2	1	153-5592	1	NUT						
	3	1	155-7984	1	WASHER						
	4	1	165-2141	3	BOLT						
	5	1	168-8999	1	LEVER-ADJUSTING						
	6	1	168-9001	2	BOLT						
	7	1	168-9002	1	WASHER						
	8	1	246-4267	1	BRACKET						
	9	1	305-3660	1	ALTERNATOR GP-CHARGING						



GRAPHIC #1

<END>

g01397418

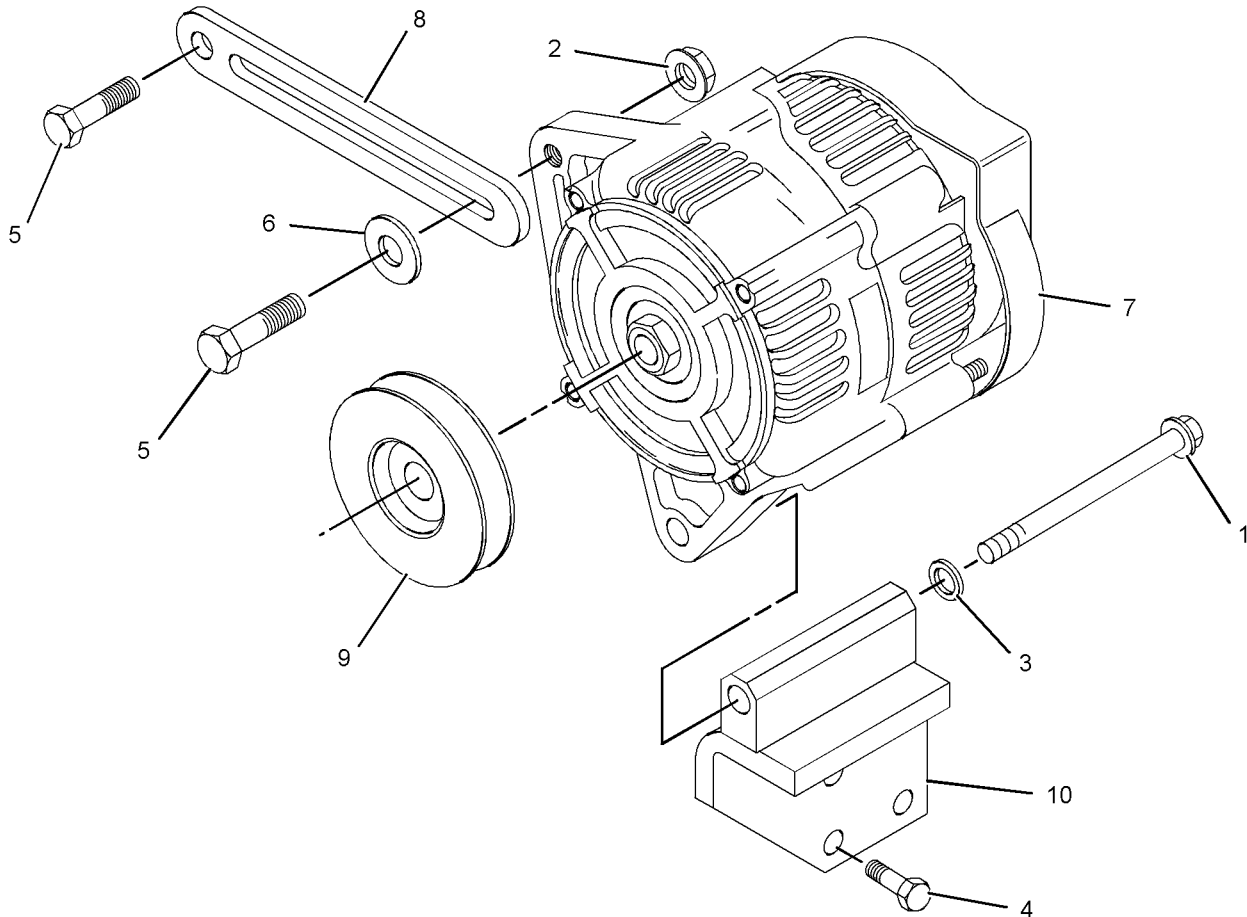
ELECTRICAL AND STARTING SYSTEM

317-3038 ALTERNATOR GP-CHARGING

SMCS-1405

i02851906

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	100-8451	1	BOLT						
	2	1	153-5592	1	NUT						
	3	1	155-7984	1	WASHER						
	4	1	165-2141	3	BOLT						
	5	1	168-9001	2	BOLT						
	6	1	168-9002	1	WASHER						
	7	1	225-3146	1	ALTERNATOR GP-CHARGING (24-VOLT)						
	8	1	233-9531	1	LEVER-ADJUSTING						
	9	1	243-4300	1	PULLEY-ALTERNATOR						
	10	1	283-4816	1	BRACKET						



GRAPHIC #1

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g01229191

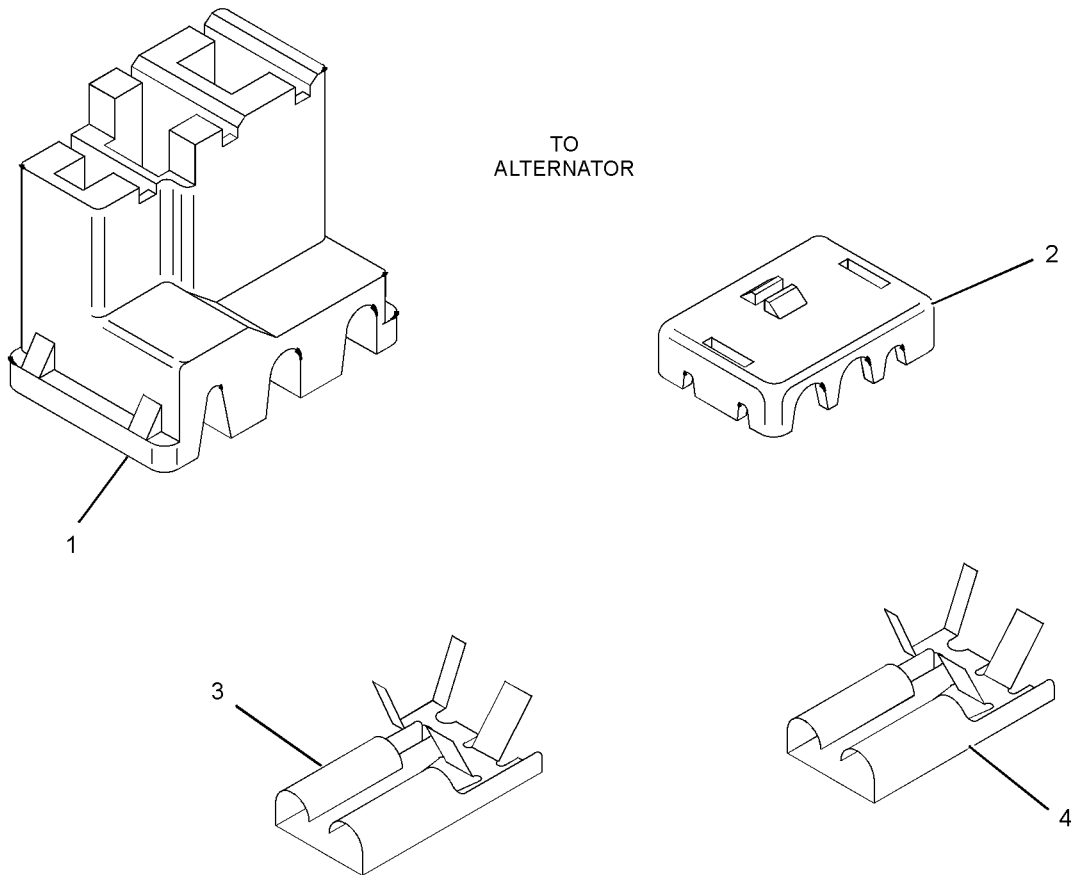
ELECTRICAL AND STARTING SYSTEM

169-0849 CONNECTION GP - ELECTRICAL

SMCS-1408

i03082411

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	101-0053	1	HOUSING AS-ALTERNATOR	
	2	1	101-0054	1	TERMINAL	
	3	1	169-0853	1	TERMINAL	
	4	1	169-0856	2	CONNECTOR	



GRAPHIC #1

<END>

g01609136

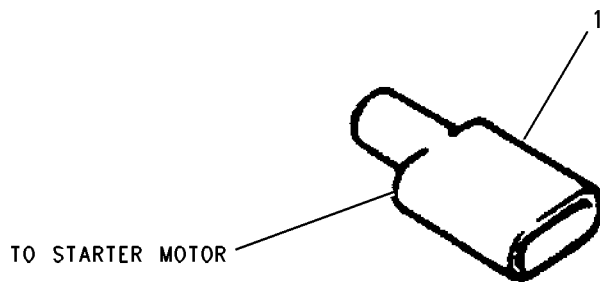
ELECTRICAL AND STARTING SYSTEM

219-7601 CONNECTION GP-ELECTRICAL

SMCS-1408

i03082509

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	197-8555	2	CONNECTION						



GRAPHIC #1

<END>

g00870996

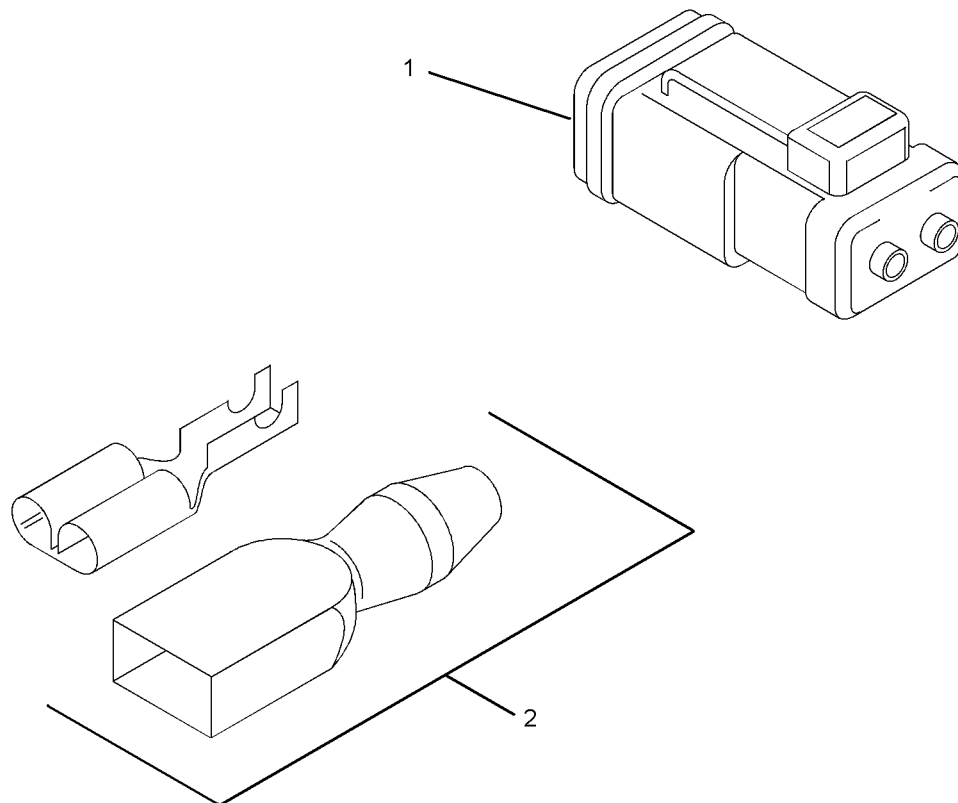
ELECTRICAL AND STARTING SYSTEM

308-2319 CONNECTION GP - ELECTRICAL

SMCS-1408

i02752317

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	254-5541	1	CONNECTION AS	
	2	1	197-8555	1	CONNECTION	



GRAPHIC #1

<END>

g01389483

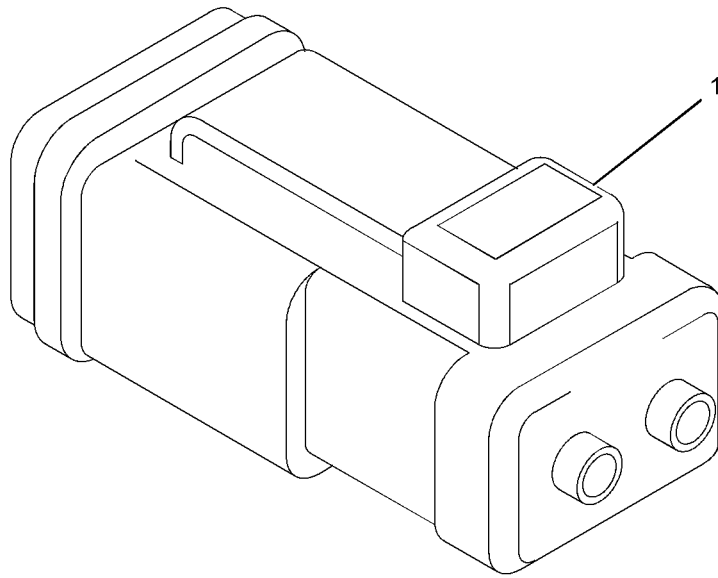
ELECTRICAL AND STARTING SYSTEM

321-6741 CONNECTION GP-ELECTRICAL

SMCS-1408

i02926669

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	254-5541	1	CONNECTION AS						



GRAPHIC #1

<END>

g01513229

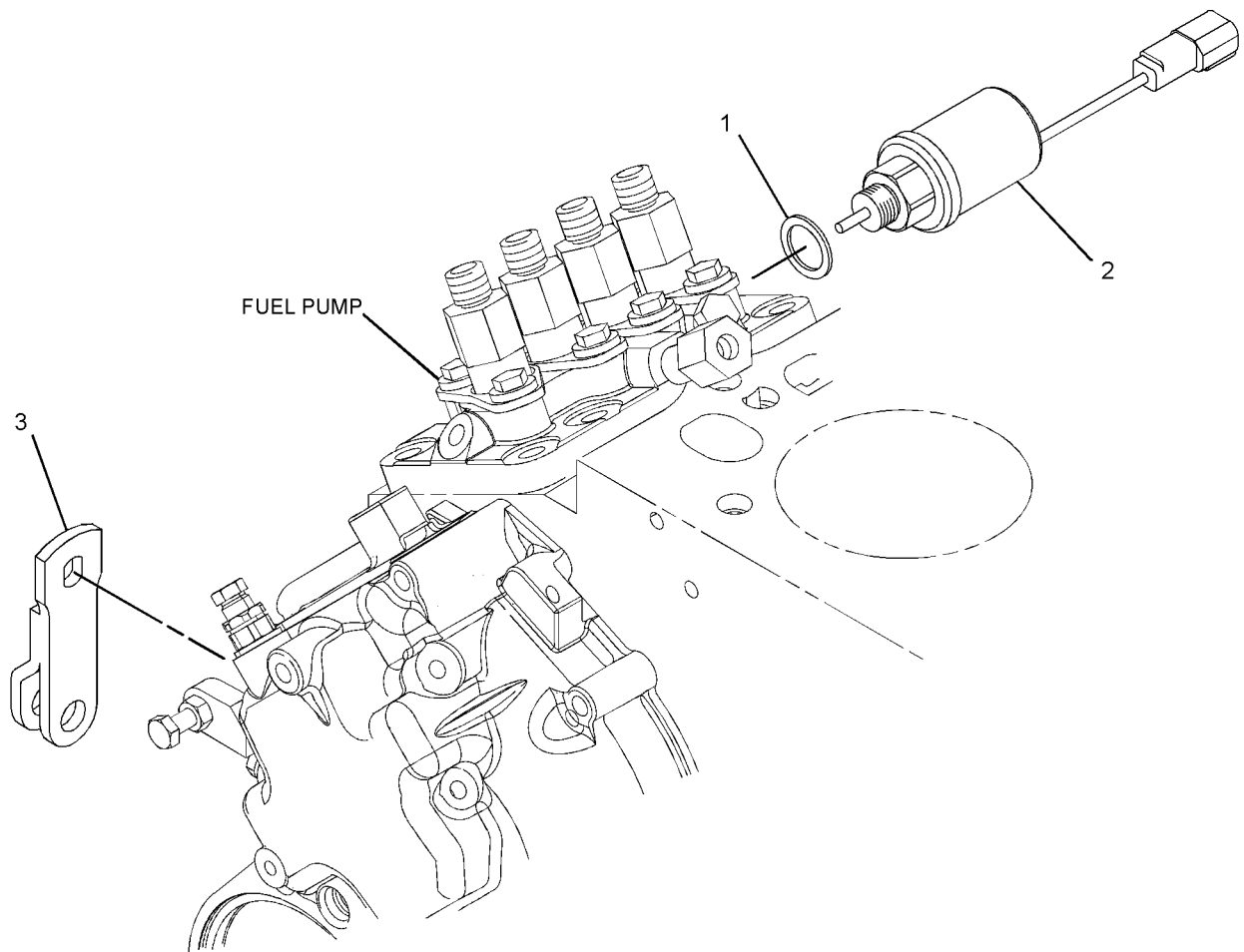
ELECTRICAL AND STARTING SYSTEM

308-2313 CONTROL GP-MANUAL START/STOP

SMCS-1426, 7418

i02912098

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6412	1	WASHER						
	2	1	324-4598	1	SOLENOID (FUEL SHUTOFF)						
	3	1	308-1914	1	LEVER-CONTROL						



GRAPHIC #1

<END>

g01420648

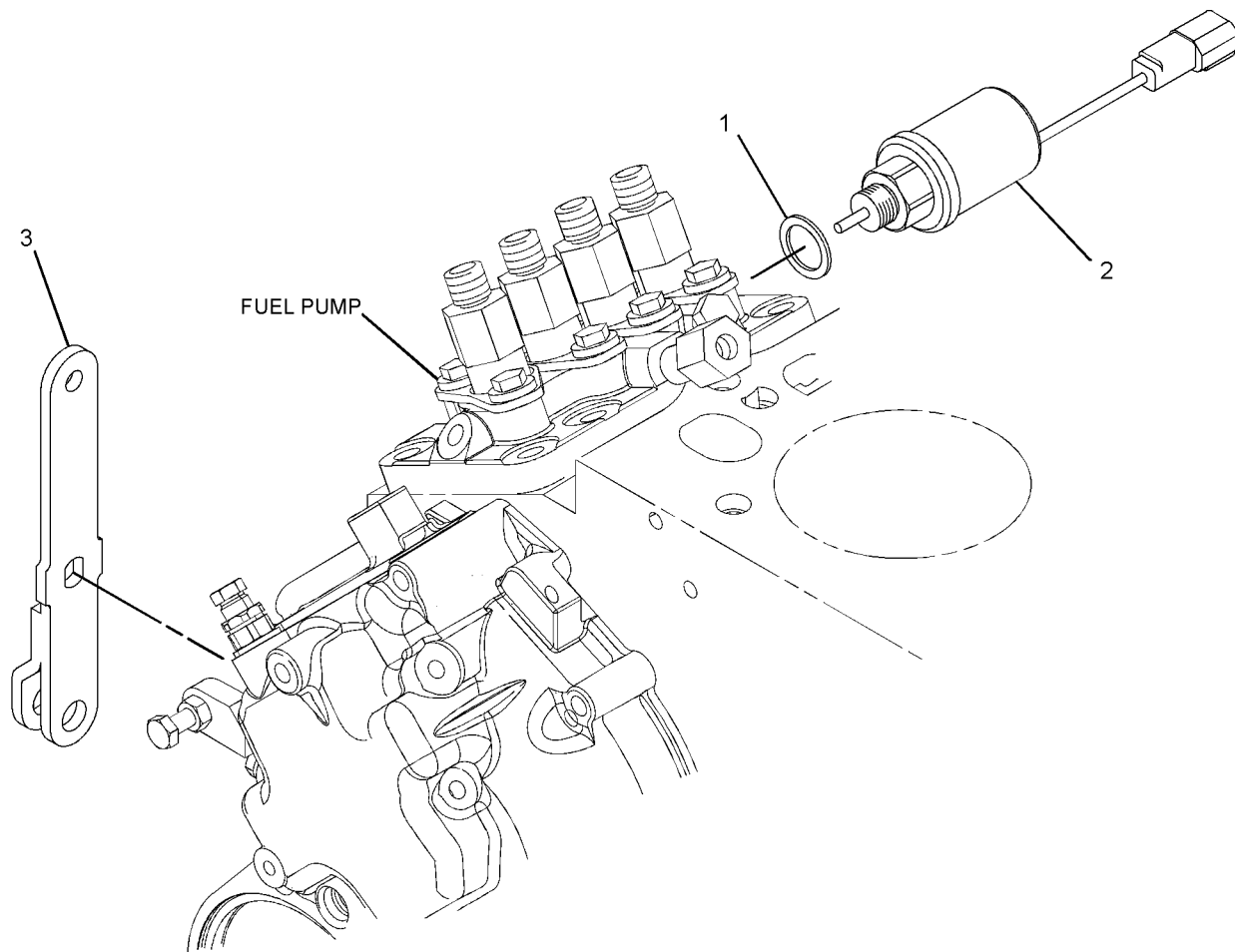
ELECTRICAL AND STARTING SYSTEM

317-3041 CONTROL GP-MANUAL START/STOP

SMCS-1426, 7418

i02851944

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6412	1	WASHER						
	2	1	275-0493	1	SOLENOID (FUEL SHUTOFF)						
	3	1	315-5237	1	LEVER-CONTROL						



GRAPHIC #1

<END>

g01421434

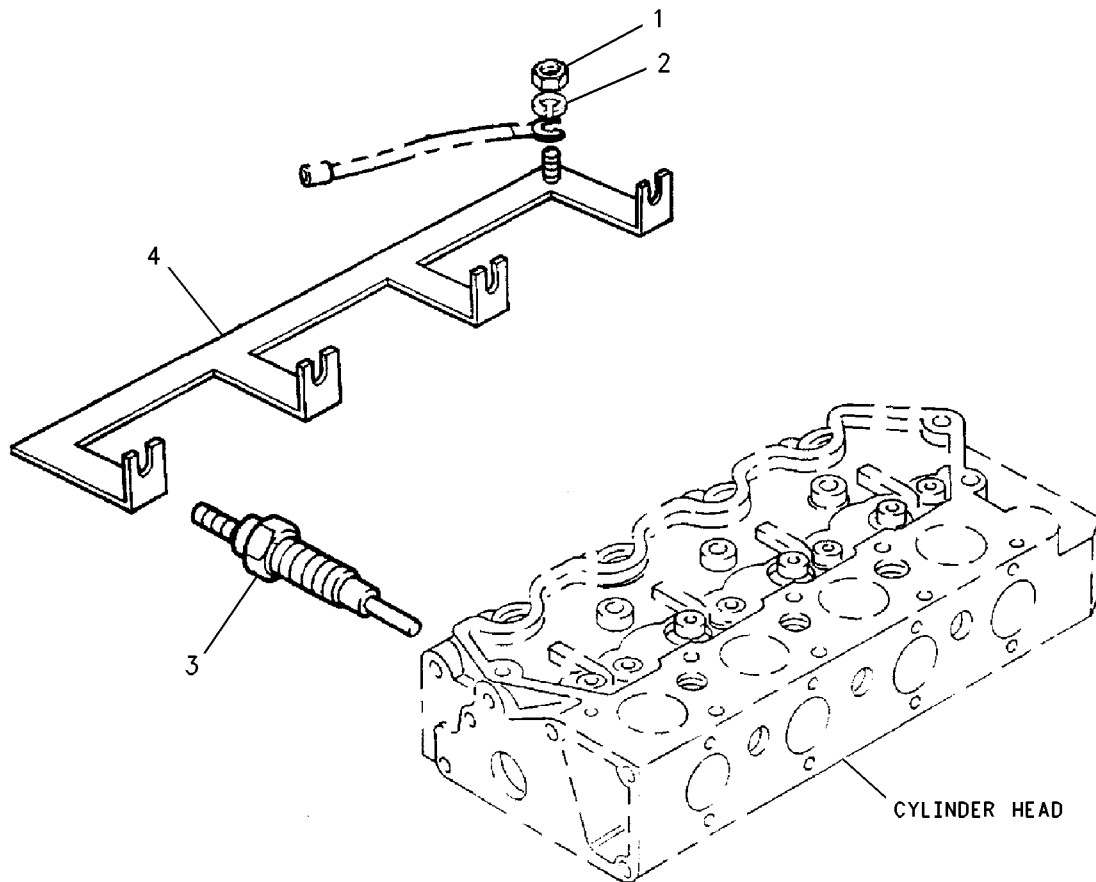
ELECTRICAL AND STARTING SYSTEM

154 - 1933 GLOW PLUG GP

SMCS-1412

i03082404

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	155-8076	1	NUT						
	2	1	155-8077	1	WASHER						
	3	1	172-4585	4	GLOW PLUG						
	4	1	154-1935	1	SUPPORT-PLUG						



GRAPHIC #1

<END>

g00708690

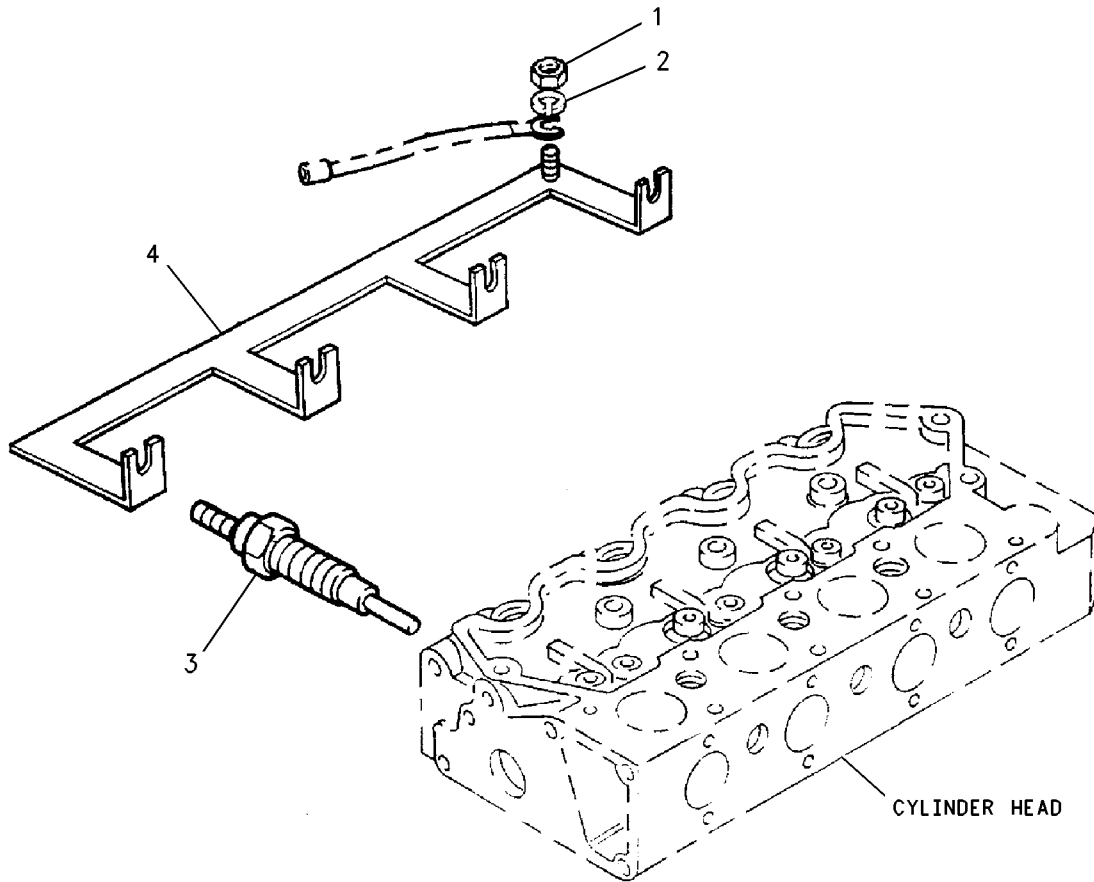
ELECTRICAL AND STARTING SYSTEM

308-2311 GLOW PLUG GP

SMCS-1412

i02752293

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	155-8076	2	NUT						
	2	1	155-8077	2	WASHER						
	3	1	172-4585	4	GLOW PLUG						
	4	1	154-1935	1	SUPPORT-PLUG						



GRAPHIC #1

<END>

g00708690

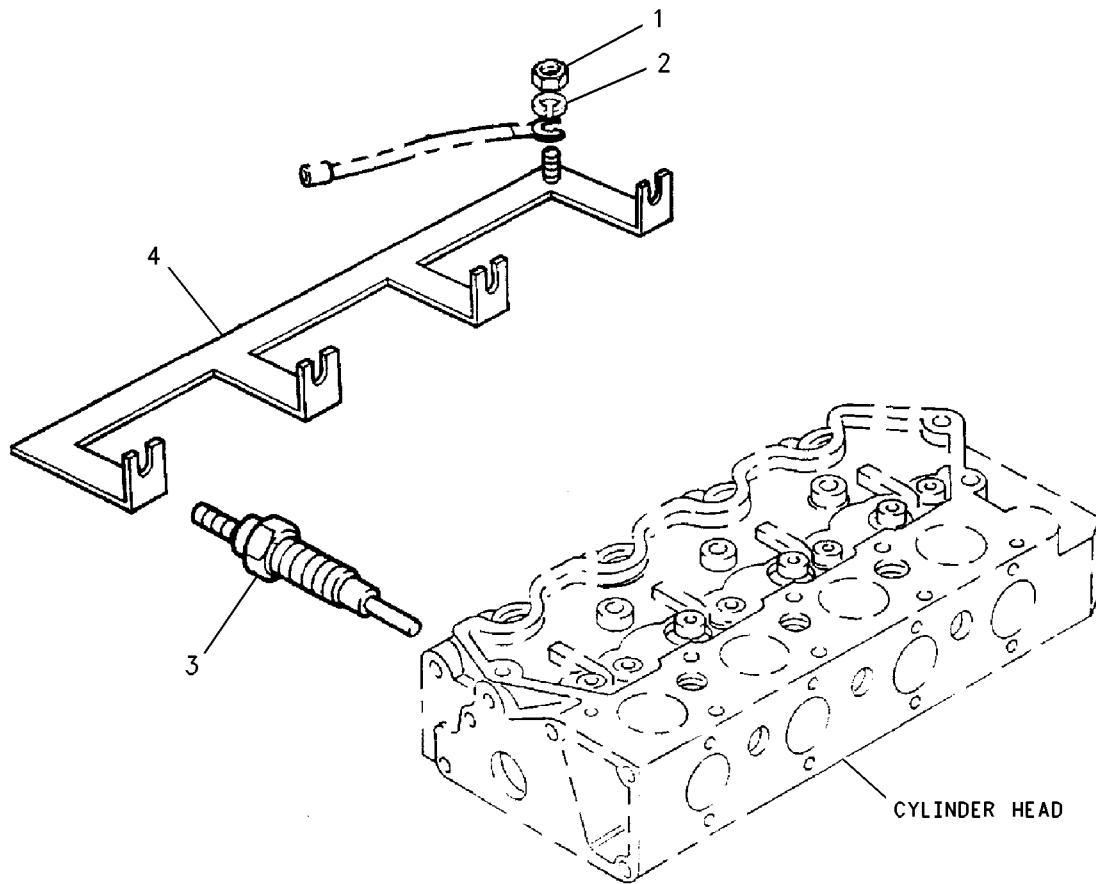
ELECTRICAL AND STARTING SYSTEM

317-3040 GLOW PLUG GP

SMCS-1412

i02851935

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	155-8076	1	NUT						
	2	1	155-8077	1	WASHER						
	3	1	243-4402	4	GLOW PLUG						
	4	1	154-1935	1	SUPPORT-PLUG						



GRAPHIC #1

<END>

g00708690

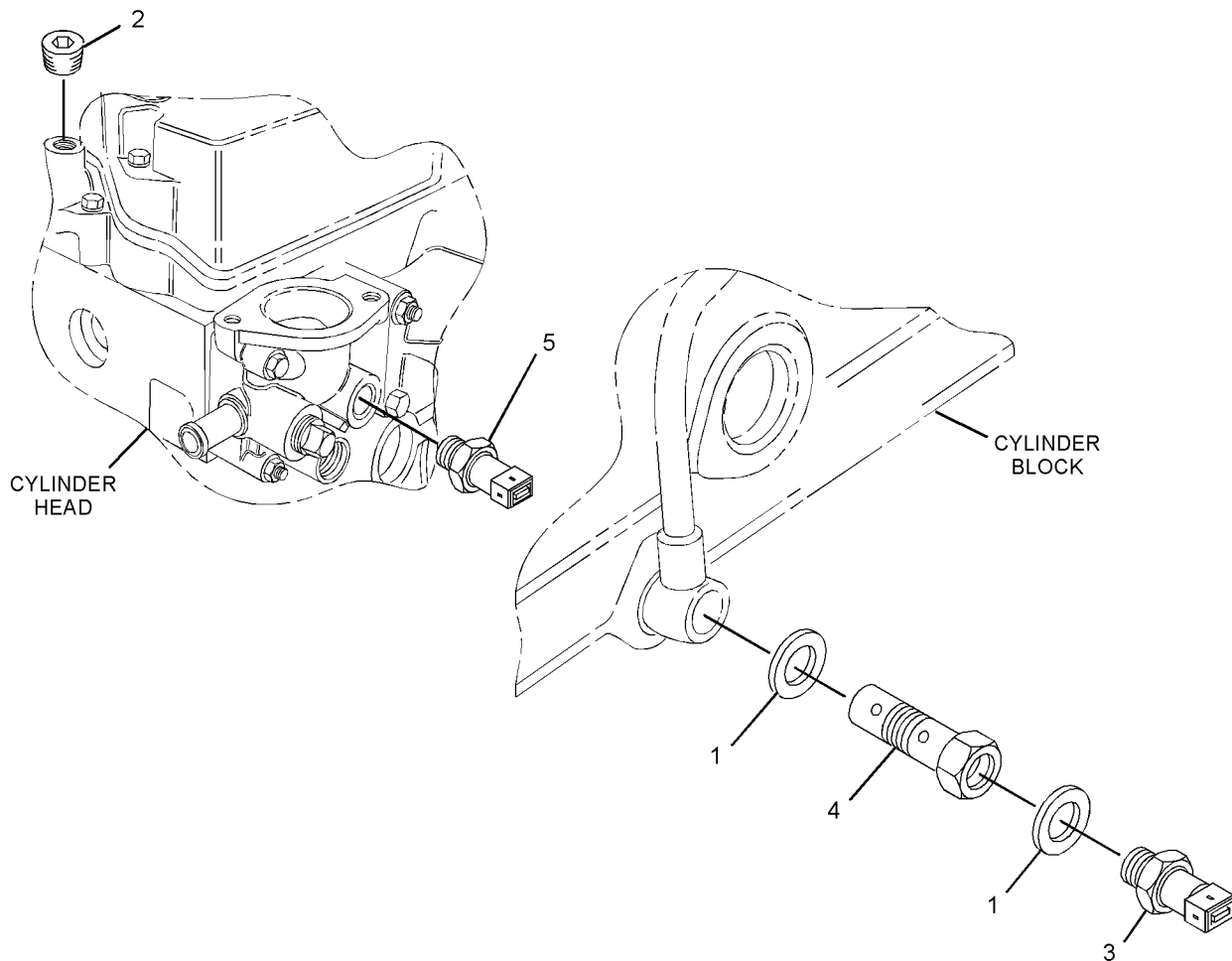
ELECTRICAL AND STARTING SYSTEM

217-5795 SENSOR GP - TEMP & PRESS

SMCS-7400

i03082425

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5936	2	WASHER						
	2	1	183-1165	1	PLUG						
	3	1	266-0226	1	SWITCH-PRESSURE (ENGINE OIL)						
	4	1	308-1222	1	ADAPTER						
	5	1	217-5793	1	SWITCH-TEMPERATURE (ENGINE COOLANT)						



GRAPHIC #1

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g01363588

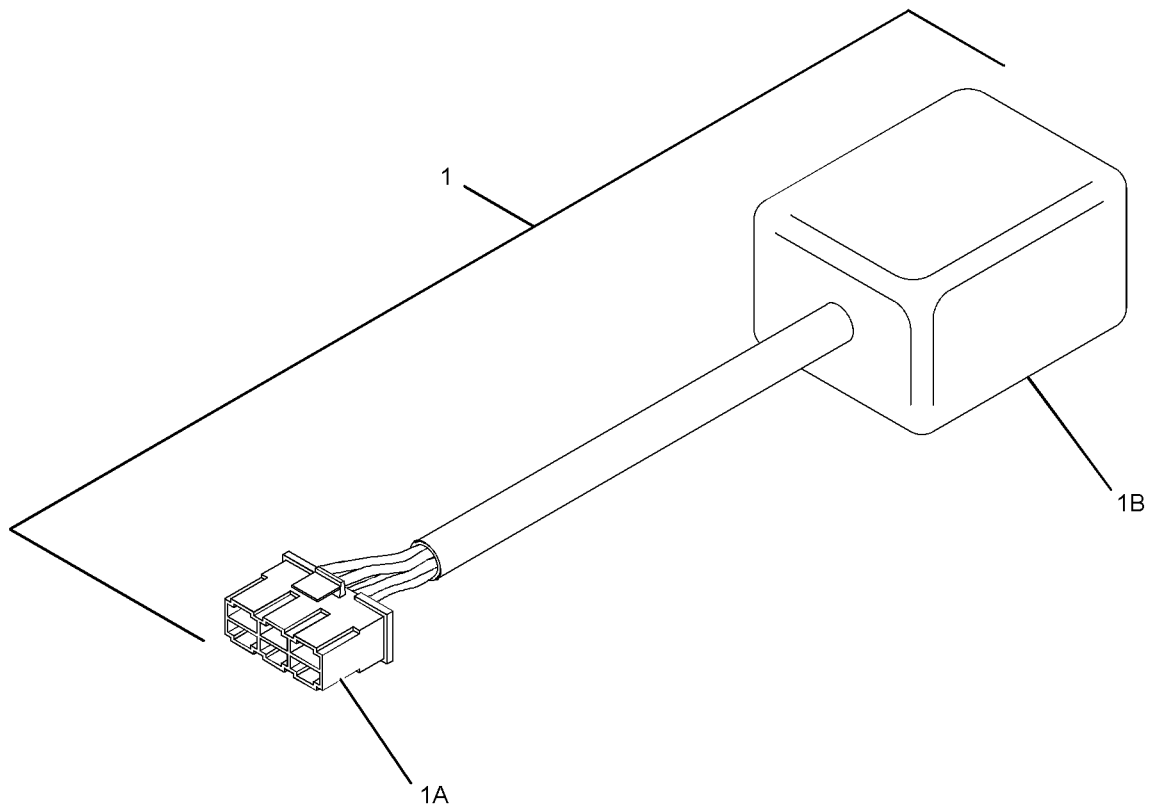
ELECTRICAL AND STARTING SYSTEM

320-9114 SHUTOFF GP-ELECTRICAL

SMCS-7418

i02929201

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	202-2052	1	SHUTOFF GP-ELECTRICAL						
	1A	1	234-8762	1	CONNECTOR						
	1B	1	318-5038	1	BOX						



GRAPHIC #1

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g01504753

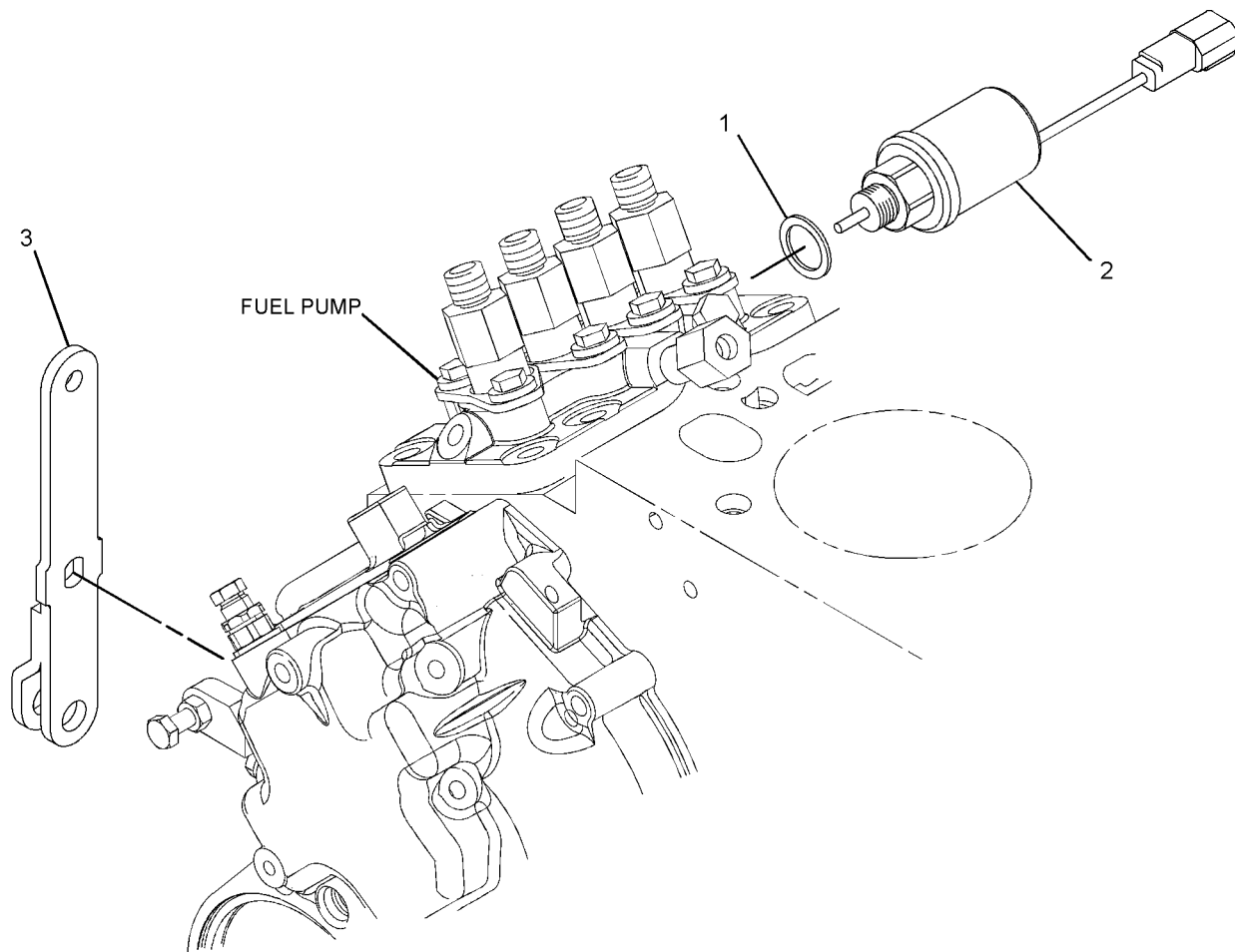
ELECTRICAL AND STARTING SYSTEM

315-7817 SOLENOID GP-SHUTOFF

SMCS-1259

i02990603

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-6412	1	WASHER						
	2	1	324-4598	1	SOLENOID (FUEL SHUTOFF)						
	3	1	315-5237	1	LEVER-CONTROL						



GRAPHIC #1

<END>

g01421434

ELECTRICAL AND STARTING SYSTEM

163-3361 STARTING MOTOR GP-ELECTRIC

PART OF 168-8979, 308-2293 STARTING MOTOR GP-ELECTRIC

SMCS-1453

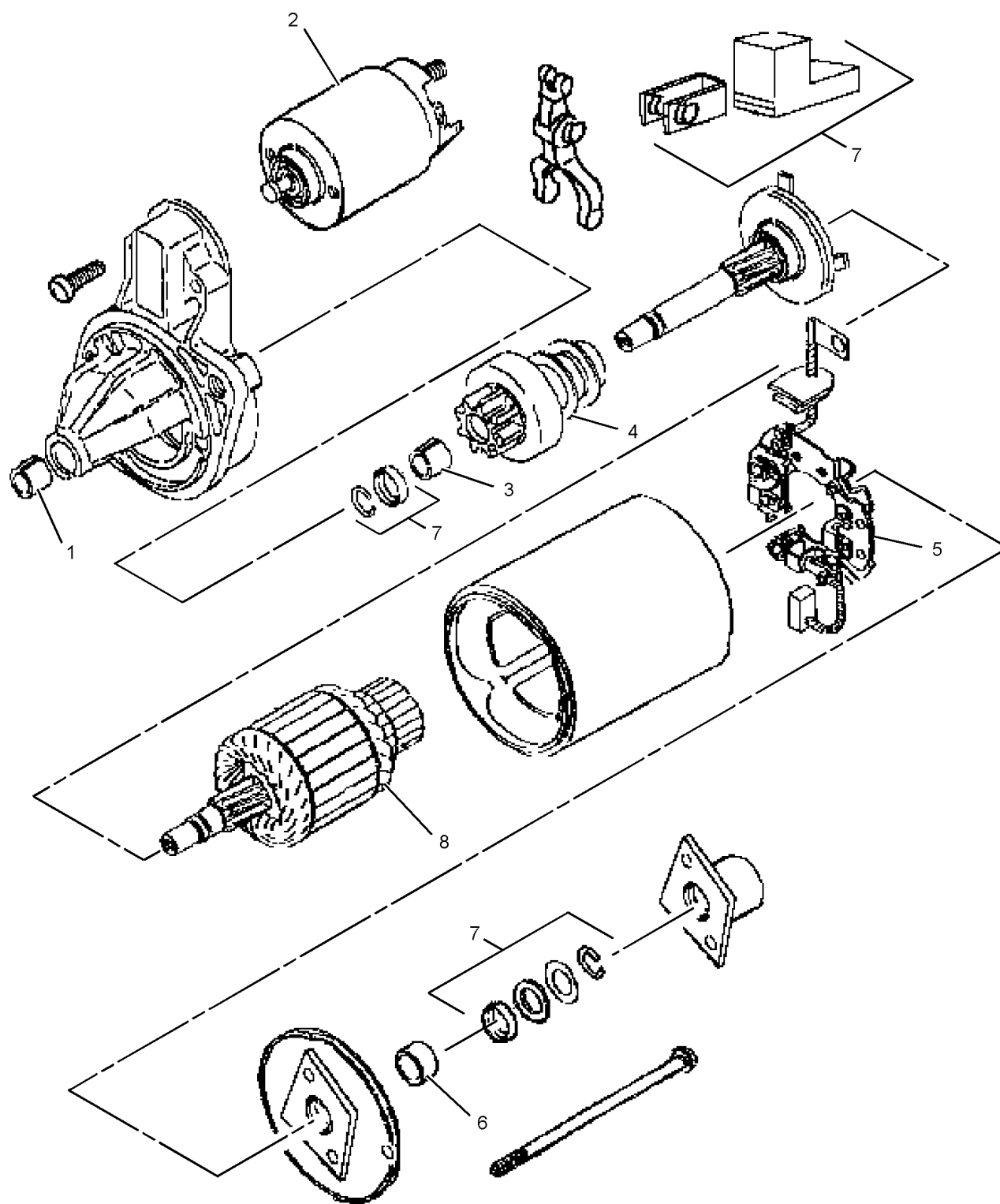
i02855315

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	242-7070	1	BUSHING						
	2	1	242-7071	1	SOLENOID (STARTING MOTOR)						
	3	1	242-7073	1	BUSHING						
	4	1	242-7074	1	DRIVE-MOTOR						
	5	1	242-7075	1	HOLDER						
	6	1	242-7076	1	BUSHING						
	7	1	242-7077	1	KIT-STARTING MOTOR						
	8	1	242-7078	1	ARMATURE						

ELECTRICAL AND STARTING SYSTEM

163-3361 STARTING MOTOR GP-ELECTRIC (contd.)

i02855315



GRAPHIC #1

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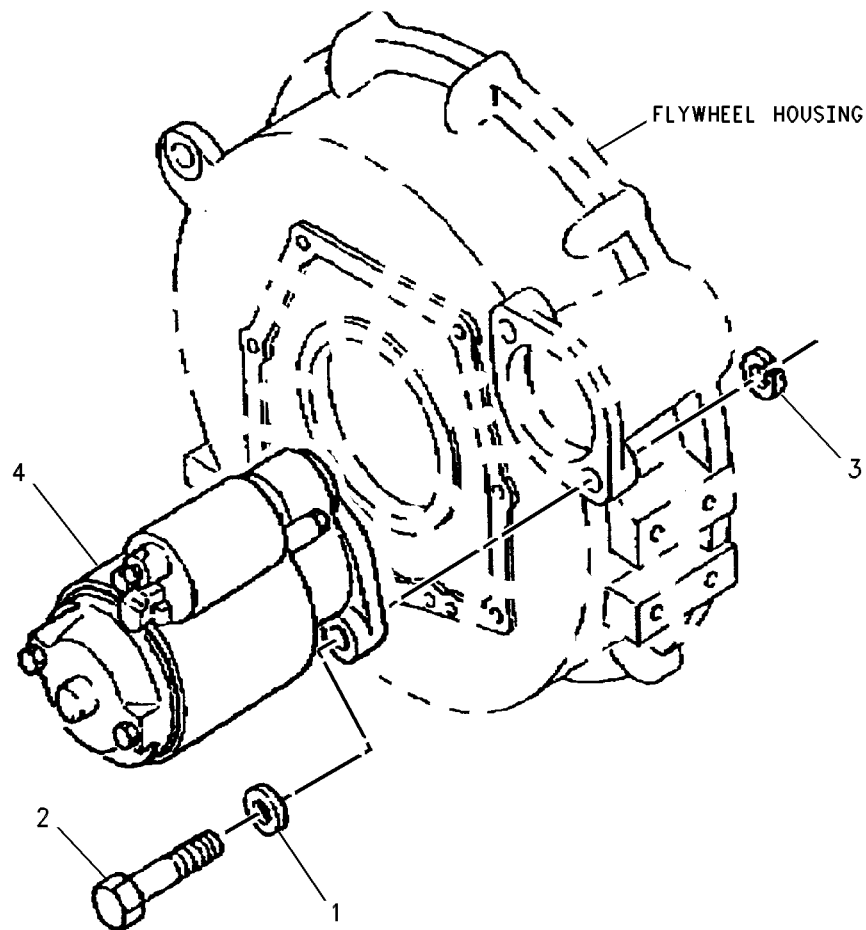
ELECTRICAL AND STARTING SYSTEM

168-8979 STARTING MOTOR GP-ELECTRIC

SMCS-1453

i03082409

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	154 - 1399	2	WASHER						
	2	1	204-0606	2	BOLT						
	3	1	154-2403	2	WASHER						
Y	4	1	163-3361	1	STARTING MOTOR GP-ELECTRIC						259
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

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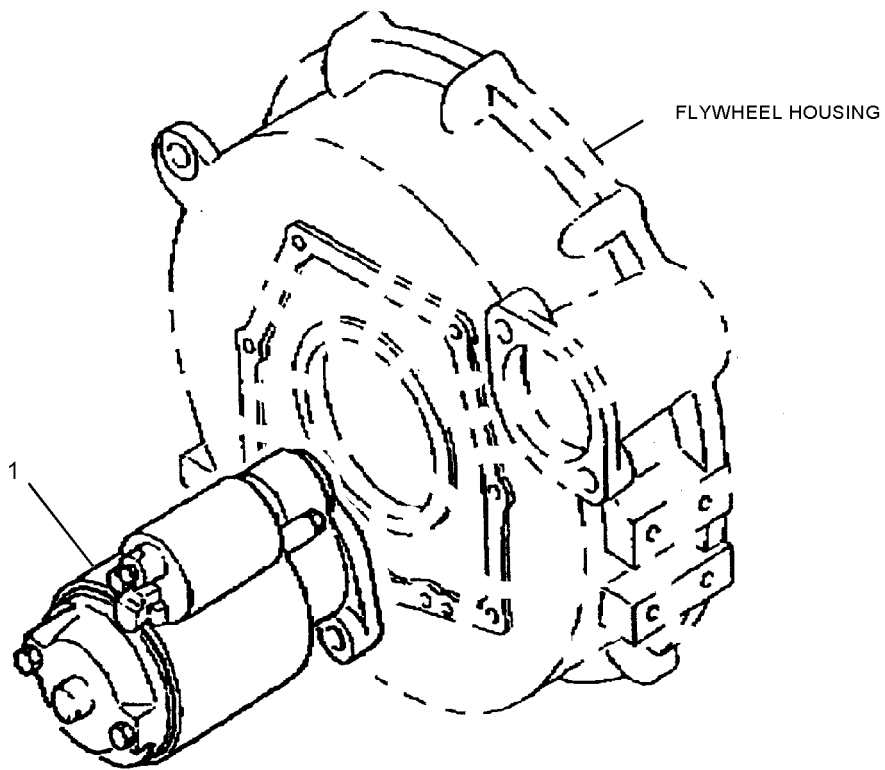
ELECTRICAL AND STARTING SYSTEM

308-2293 STARTING MOTOR GP-ELECTRIC

SMCS-1453

i02743451

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	163-3361	1	STARTING MOTOR GP-ELECTRIC						259
Y-SEPARATE ILLUSTRATION											



GRAPHIC #1

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g01140591

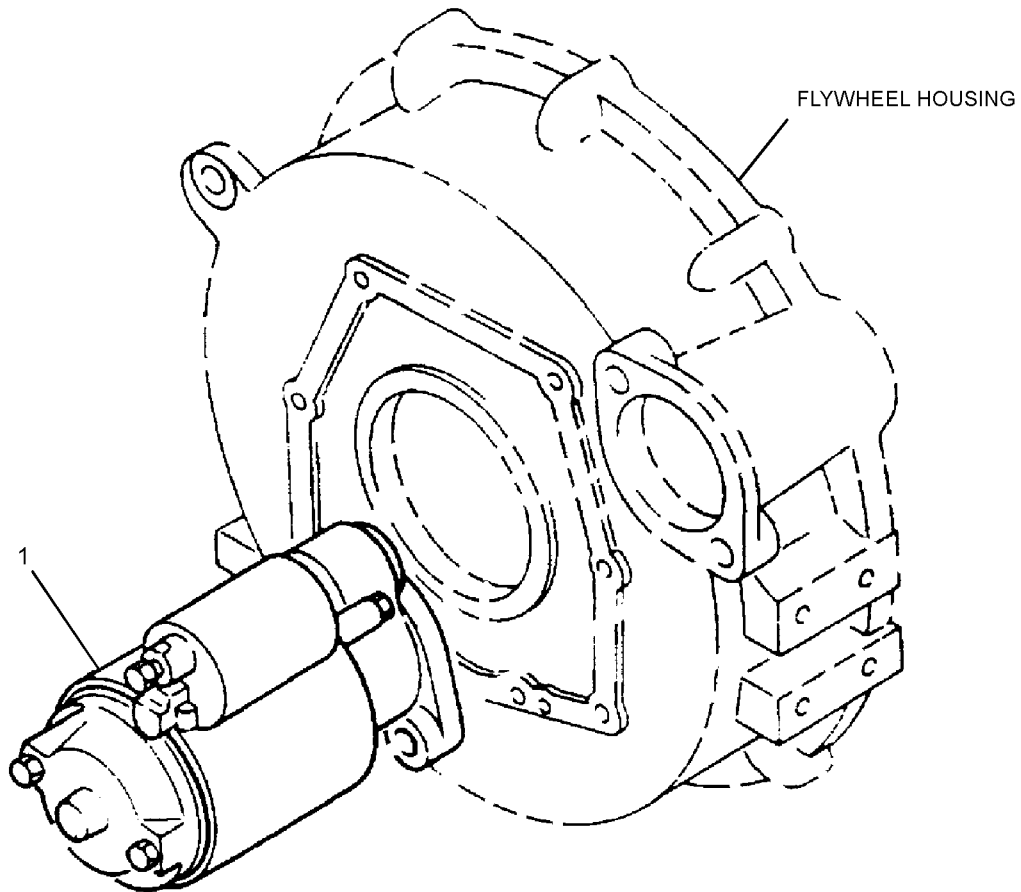
ELECTRICAL AND STARTING SYSTEM

317-3036 STARTING MOTOR GP-ELECTRIC

SMCS-1453

i02851937

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	283-4752	1	MOTOR AS-ELECTRIC						



GRAPHIC #1

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g01421564

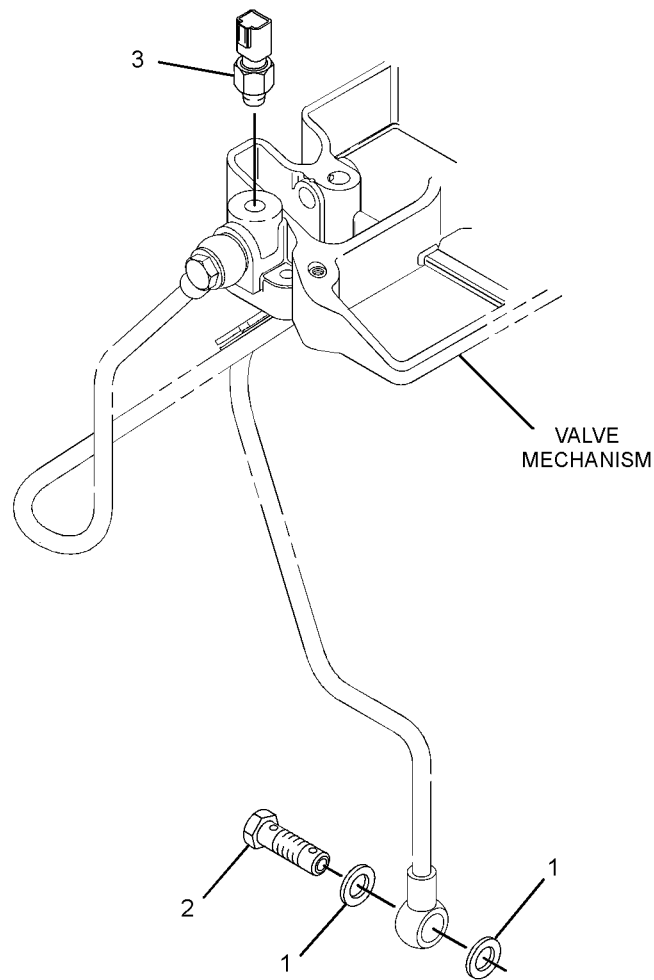
ELECTRICAL AND STARTING SYSTEM

308 - 2312 SWITCH GP - PRESSURE

SMCS-7400, 7421

i02752297

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5936	2	WASHER						
	2	1	153-6881	1	BOLT						
	3	1	231-2998	1	SWITCH-PRESSURE (ENGINE OIL)						



GRAPHIC #1

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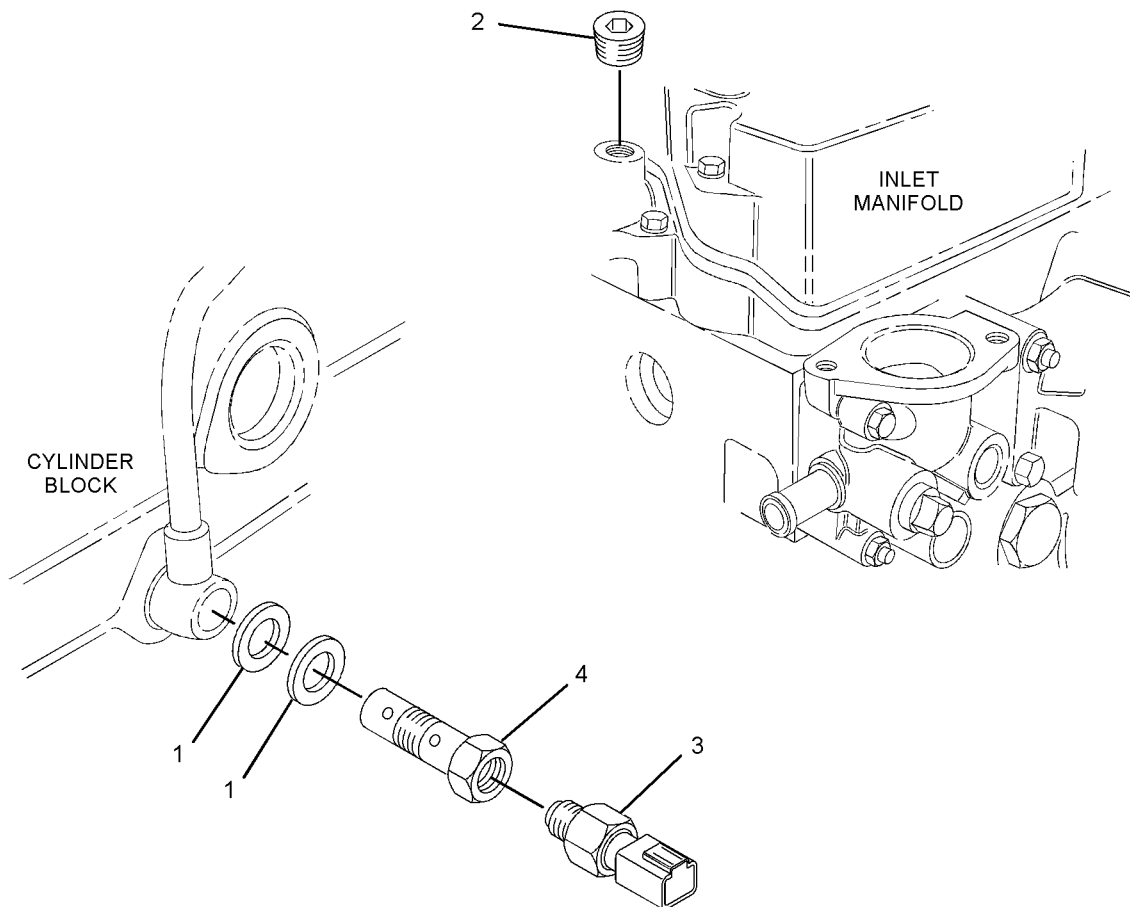
ELECTRICAL AND STARTING SYSTEM

315-7819 SWITCH GP - PRESSURE-ENGINE OIL

SMCS-7400, 7421

i02810603

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5936	2	WASHER						
	2	1	183-1165	1	PLUG						
	3	1	291-1265	1	SWITCH-PRESSURE (ENGINE OIL)						
	4	1	308-1222	1	ADAPTER						



GRAPHIC #1

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g01380272

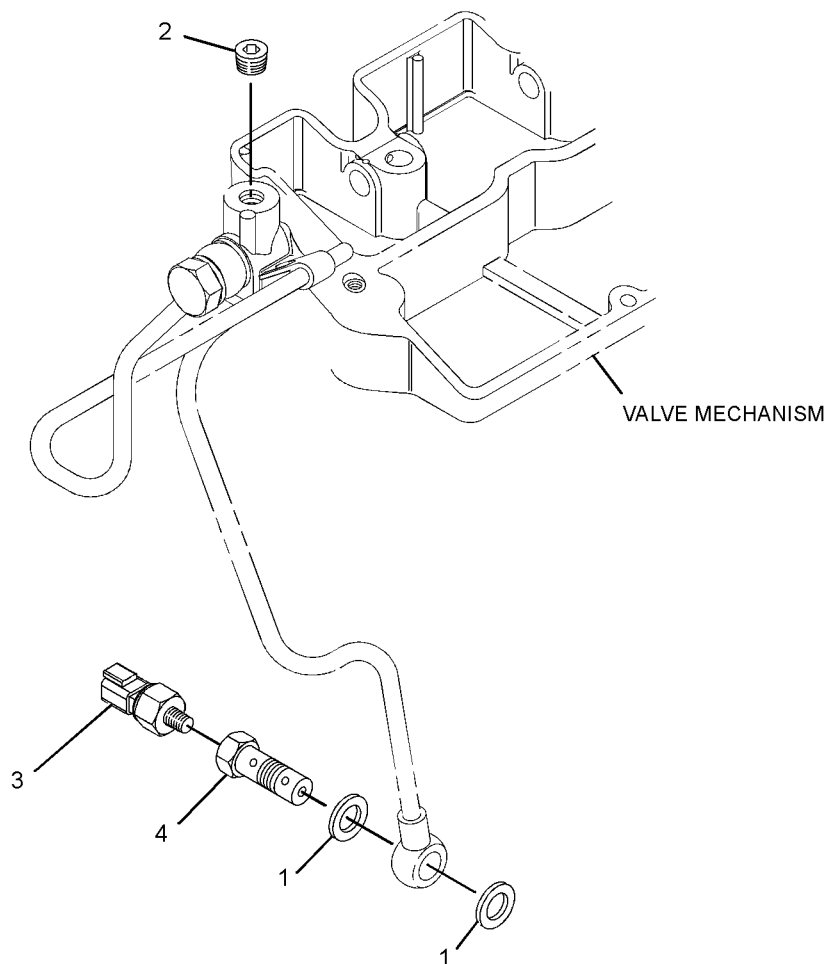
ELECTRICAL AND STARTING SYSTEM

321-4261 SWITCH GP-PRESSURE

SMCS-7400, 7421

i03085925

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5936	2	WASHER						
	2	1	183-1165	1	PLUG						
	3	1	291-1265	1	SWITCH-PRESSURE (ENGINE OIL)						
	4	1	308-1222	1	ADAPTER						



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g01439331

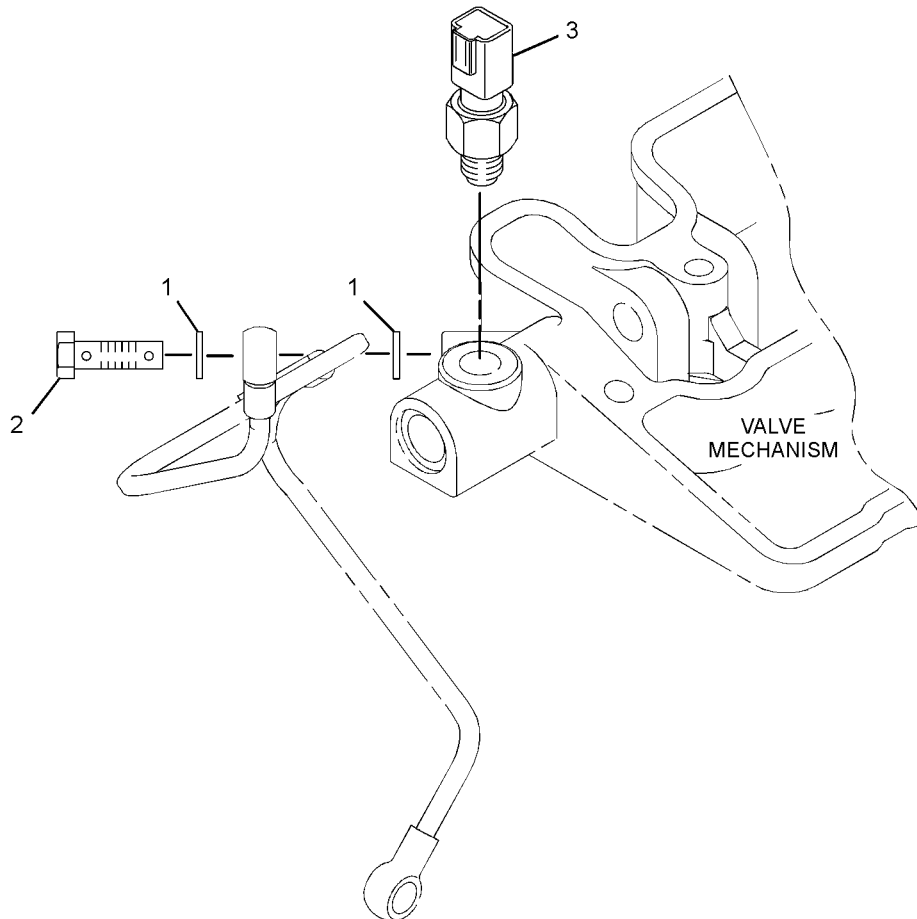
ELECTRICAL AND STARTING SYSTEM

334-0268 SWITCH GP-PRESSURE

SMCS-7400, 7421

i03179926

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	153-5936	2	WASHER						
	2	1	153-6881	1	BOLT						
	3	1	252-1747	1	SWITCH-PRESSURE (ENGINE OIL)						



GRAPHIC #1

<END>

g01650813

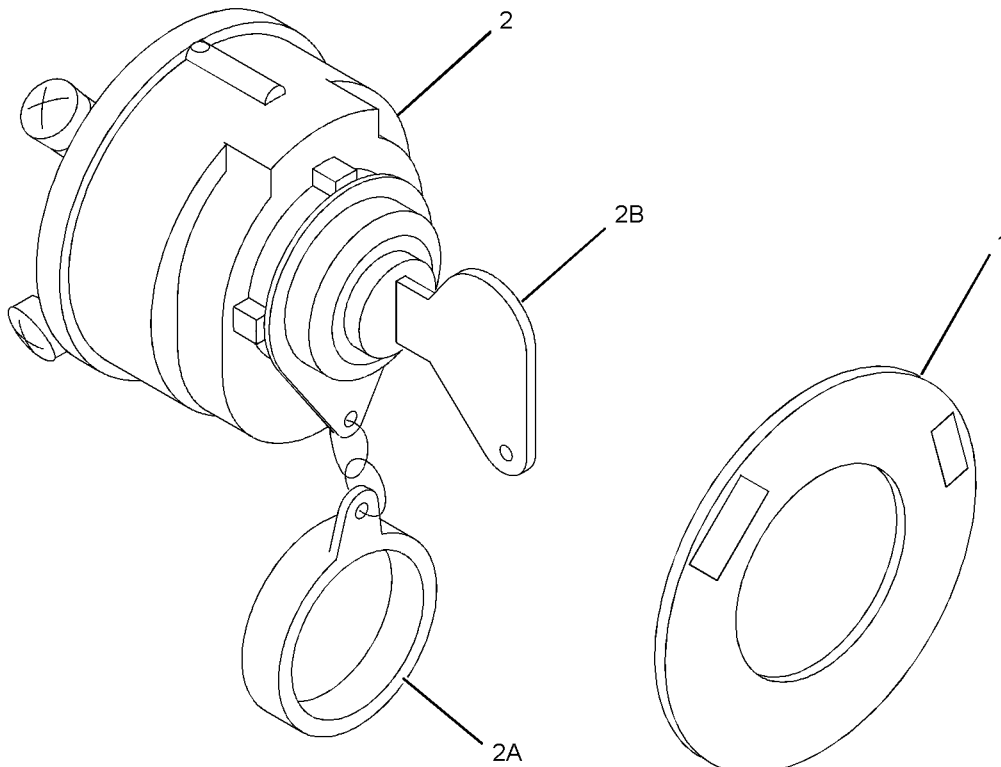
ELECTRICAL AND STARTING SYSTEM

308-2314 SWITCH GP-START

SMCS-1416

i02752305

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	183-5460	1	PLATE						
	2	1	235-0977	1	SWITCH AS-START						
	2A	1	183-5458	1	CAP						
	2B	1	251-1871	1	KEY-IGNITION						



GRAPHIC #1

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g01389581

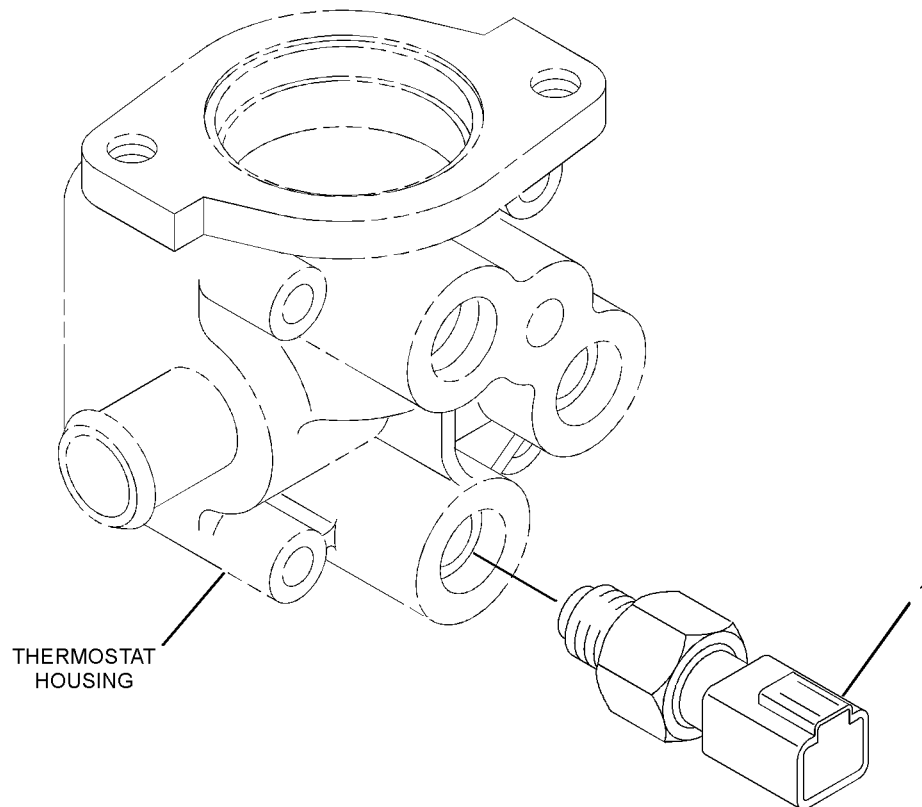
ELECTRICAL AND STARTING SYSTEM

308-2317 SWITCH GP - TEMPERATURE

SMCS-7400

i02752308

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	231-2999	1	SWITCH-TEMPERATURE (ENGINE COOLANT)						



GRAPHIC #1

<END>

g01416429

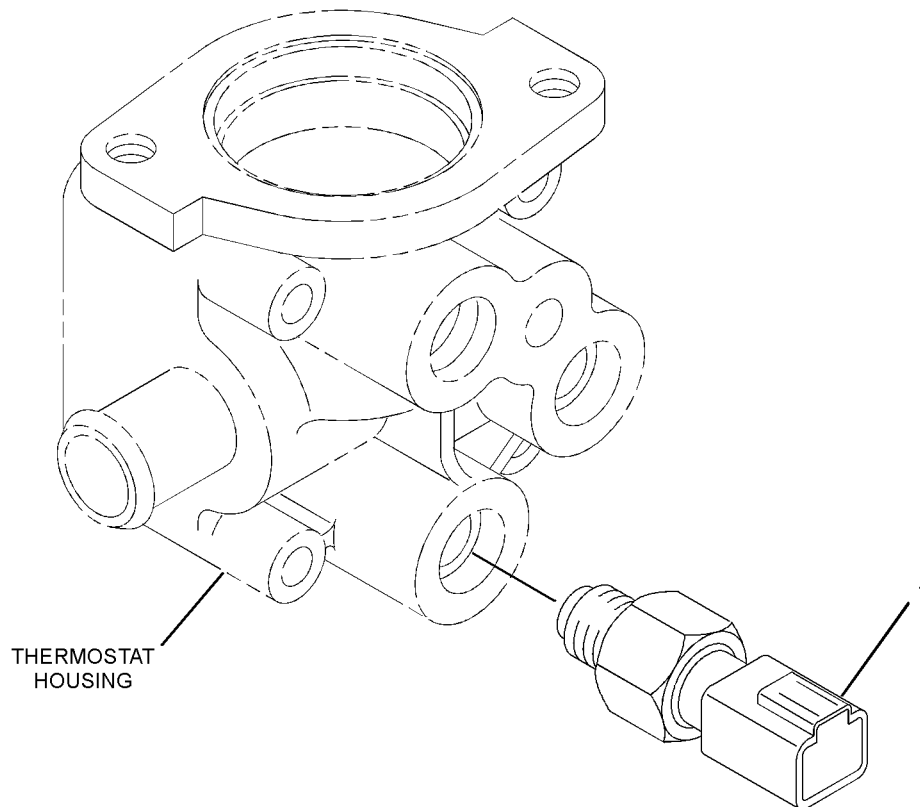
OPERATOR STATION

311-9030 INSTRUMENT GP

SMCS-7451

i02770524

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	271-6700	1	SWITCH-TEMPERATURE (ENGINE COOLANT)						



GRAPHIC #1

<END>

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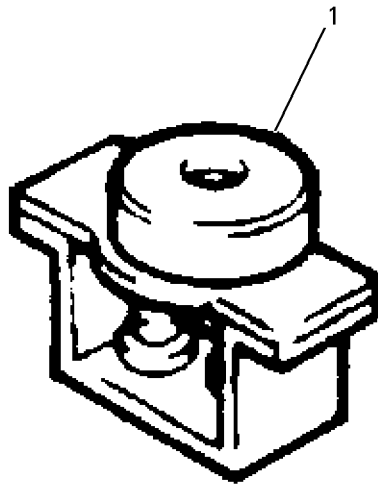
OPERATOR STATION

198-5311 LAMP GP

SMCS-4490, 7451

i03082417

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	198-5310	1	LAMP (INDICATORS)						



GRAPHIC #1

<END>

g00768663

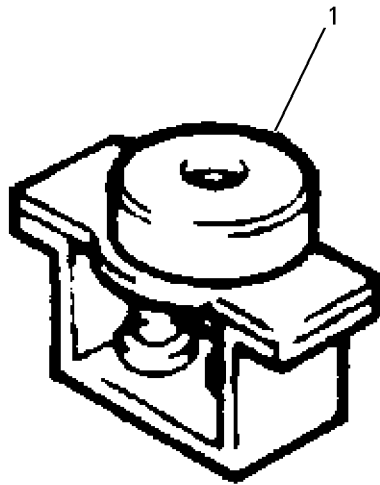
OPERATOR STATION

308-2321 LAMP GP

SMCS-4490, 7451

i02752321

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	198-5310	1	LAMP (INDICATORS)						



GRAPHIC #1

<END>

g00768663

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