



Parts Manual

C3.6 Industrial Engine

J371-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

TABLE OF CONTENTS

NAME	PAGE	NAME	PAGE
GENERAL INFORMATION.....	A2	CONTROL GP-AIR.....	53
REPAIR ALTERNATIVES.....	A4	ELBOW GP-AIR INLET	54
SUPPLEMENTAL COOLANT ADDITIVES.....	A5	EXHAUST GP-FLEXIBLE	57
MAINTENANCE PARTS.....	A6	LINES GP-DIESEL EXHAUST FLUID.....	58
INDEX.....	A7	MANIFOLD GP-DEF	62
ENGINE ARRANGEMENT.....	1	MANIFOLD GP-EXHAUST	64
ENGINE AR-PRIMARY	1	MODULE AR-CLEAN EMISSIONS	66
BASIC ENGINE	5	MODULE AR-DIESEL EXHAUST FLUID	68
ADAPTER GP-POWER TAKE-OFF.....	5	MOUNTING GP-EXHAUST	69
CAMSHAFT GP	6	PIPE GP-EXHAUST.....	71
COVER GP-VALVE MECHANISM.....	7	PUMP & TANK GP-DEF	72
CRANKSHAFT GP.....	9	PUMP GP-DIESEL EXHAUST FLUID.....	73
CYLINDER BLOCK GP	10	TANK GP-DIESEL EXHAUST FLUID	75
CYLINDER BLOCK GP-SHORT.....	12	TURBOCHARGER GP	79
CYLINDER HEAD AS.....	13	VALVE GP-EXHAUST GAS (NRS)	80
CYLINDER HEAD GP.....	15	VALVE GP-SOLENOID.....	81
DRAIN GP-ENGINE OIL.....	19	FUEL SYSTEM.....	82
DRIVE GP-FAN.....	20	FILTER GP-FUEL.....	82
EXTENSION GP-FAN	22	HOSE & TUBE AS	86
FLYWHEEL GP.....	23	INJECTOR GP-FUEL.....	87
HOUSING GP-FLYWHEEL.....	24	LINES GP-FUEL.....	88
HOUSING GP-FRONT	25	LINES GP-FUEL FILTER.....	90
JET GP-PISTON COOLING	27	PUMP GP-FUEL INJECTION	91
LIFTING GP-ENGINE	28	RAIL GP-FUEL	92
PAN GP-OIL	29	ELECTRICAL AND STARTING SYSTEM	93
PISTON & ROD GP	30	ALTERNATOR GP-CHARGING	93
PLUG GP-ENGINE.....	32	CONTROL & MTG GP-ELECTRONIC	95
PULLEY GP-CRANKSHAFT	33	ELECTRICAL GP-DEF	96
ROCKER ARM GP	34	HARNESS AS-ENGINE.....	97
VALVE GP-CYLINDER HEAD.....	35	SENSOR GP-ENGINE.....	100
VALVE MECHANISM GP.....	36	SENSOR GP-NITROGEN OXIDE	102
LUBRICATION SYSTEM	37	SENSOR GP-TEMPERATURE	104
BREATHER GP	37	STARTING AID GP	105
FILLER GP-ENGINE OIL	38	STARTING MOTOR GP-ELECTRIC	106
FILTER GP-ENGINE OIL	39	WIRING GP-CEM.....	108
GAUGE GP-OIL LEVEL (DIPSTICK)	42	WIRING GP-ENGINE.....	109
PUMP GP-ENGINE OIL	45	SERVICE EQUIPMENT AND SUPPLIES	113
COOLING SYSTEM.....	46	FILM GP.....	113
ADAPTER GP-WATER LINES	46	PLATE & FILM GP	115
CONNECTION GP-WATER.....	47	PART NUMBER INDEX.....	B1
COOLER GP-ENGINE OIL	48		
MOUNTING GP-FAN.....	49		
PUMP GP-WATER.....	50		
REGULATOR GP-TEMPERATURE	51		
AIR INLET AND EXHAUST SYSTEM	52		
ADAPTER GP-EXHAUST.....	52		

GENERAL INFORMATION

1. ENGINE IDENTIFICATION

Cat 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.

Cat 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 Cat replacement parts are available from Cat dealers throughout the world. Their parts inventories are up to date and include all parts normally required to protect your investment in Cat 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 Cat product or this publication, please consult your Cat dealer for the latest available information.

REPAIR ALTERNATIVES

REMANUFACTURED COMPONENTS

As an option when making repairs consider Cat Remanufactured Components. Components that are available through the Cat 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

Cat 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 Cat 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				
CAP-TANK FILLER (DIESEL EXHAUST FLUID)	398-3011	1	TANK GP-DIESEL EXHAUST FLUID	75
CATALYST AS	566-4403	1	MODULE AR-CLEAN EMISSIONS	66
FILTER AS (DIESEL EXHAUST FLUID)	536-6756	1	MANIFOLD GP-DEF	62
FILTER AS-DIESEL PARTICULATE	560-7515	1	MODULE AR-CLEAN EMISSIONS	66
FILTER GP-DIESEL EXHAUST FLUID	378-3187	1	PUMP GP-DIESEL EXHAUST FLUID	73
PLUG AS-DRAIN	461-9106	1	TANK GP-DIESEL EXHAUST FLUID	75
PLUG AS-DRAIN (DEF TANK)	461-9106	1	TANK GP-DIESEL EXHAUST FLUID	76
SCREEN AS	451-2774	1	TANK GP-DIESEL EXHAUST FLUID	75
BASIC ENGINE				
BELT-SERPENTINE	515-2093	1	DRIVE GP-FAN	21
	520-3849	1	DRIVE GP-FAN	20
CAP AS-OIL FILLER	528-5177	1	COVER GP-VALVE MECHANISM	7
FUEL SYSTEM				
ELEMENT-WATER SEPARATOR	523-6602	1	FILTER GP-FUEL	84

INDEX

NAME	PAGE	NAME	PAGE
A		F	
ADAPTER GP-EXHAUST.....	52	FILLER GP-ENGINE OIL.....	38
ADAPTER GP-POWER TAKE-OFF.....	5	FILM GP.....	113
ADAPTER GP-WATER LINES.....	46		114
ALTERNATOR GP-CHARGING.....	93	FILM-IDENTIFICATION (CAT).....	113
	94		114
B		FILM-IDENTIFICATION (ENGINE OIL FILTER)...	39
BELT-SERPENTINE.....	20		40
	21	FILM-IDENTIFICATION (FUEL FILTER).....	85
BREATHER GP.....	37	FILM-WARNING (DO NOT SPRAY, READ OMM).....	115
C		FILM-WARNING (UNIVERSAL WARNING).....	115
CAMSHAFT GP.....	6	FILTER AS (DIESEL EXHAUST FLUID).....	62
CAP AS-OIL FILLER.....	7		63
CAP-TANK FILLER (DIESEL EXHAUST FLUID).....	75	FILTER AS-DIESEL PARTICULATE.....	66
	76	FILTER GP-DIESEL EXHAUST FLUID.....	73
CATALYST AS.....	66		74
CONNECTION GP-WATER.....	47	FILTER GP-ENGINE OIL.....	39
CONTROL & MTG GP-ELECTRONIC.....	95		40
CONTROL GP-AIR.....	53		41
CONTROL GP-ELECTRONIC.....	95	FILTER GP-FUEL.....	82
COOLER GP-ENGINE OIL.....	48		83
COVER GP.....	26		84
COVER GP-VALVE MECHANISM.....	7		85
CRANKSHAFT GP.....	9	FLYWHEEL GP.....	23
CYLINDER BLOCK GP.....	10		
	11		
CYLINDER BLOCK GP-SHORT.....	12		
CYLINDER HEAD AS.....	13		
	14		
CYLINDER HEAD GP.....	15		
	16		
	17		
	18		
D		G	
DRAIN GP-ENGINE OIL.....	19	GAUGE AS-OIL LEVEL (DIPSTICK).....	42
DRIVE GP-FAN.....	20		44
	21	GAUGE AS-PLUG.....	42
			43
		GAUGE GP-OIL LEVEL (DIPSTICK).....	42
			43
			44
E		H	
ELBOW GP-AIR INLET.....	54	HARNESS AS-ENGINE.....	97
	55		98
ELECTRICAL GP-DEF.....	96		99
ELEMENT-WATER SEPARATOR.....	84		109
ENGINE AR-PRIMARY.....	1	HARNESS AS-ENGINE (WIRING).....	111
	3	HARNESS AS-POWER.....	97
EXHAUST GP-FLEXIBLE.....	57	HARNESS AS-WIRING.....	105
EXTENSION GP-FAN.....	22	HOSE & TUBE AS-ENGINE OIL.....	86
		HOUSING GP-FLYWHEEL.....	24
		HOUSING GP-FRONT-PLUG.....	25
		HOUSING GP-FRONT-PTO.....	26
		I	
		INJECTOR GP-FUEL.....	87

INDEX

NAME	PAGE	NAME	PAGE
J			
JET GP-PISTON COOLING	27	SENSOR AS-NITROGEN OXIDE (ENGINE OUTPUT)	102
L			103
LIFTING GP-ENGINE	28	SENSOR AS-NITROGEN OXIDE (EXHAUST PIPE OUT)	102
LINES GP-DIESEL EXHAUST FLUID	58		103
	59	SENSOR AS-TEMP & PRESS.....	100
	60	SENSOR AS-TEMPERATURE	100
	61	SENSOR AS-TEMPERATURE (2-PIN).....	100
LINES GP-FUEL.....	88	SENSOR GP-ENGINE	2
	89		3
LINES GP-FUEL FILTER.....	90		100
M		SENSOR GP-NITROGEN OXIDE	102
MANIFOLD GP-DEF	62		103
	63	SENSOR GP-PRESSURE	100
MANIFOLD GP-EXHAUST	64		108
	65	SENSOR GP-TEMPERATURE	2
MODULE AR-CLEAN EMISSIONS	66		4
MODULE AR-DIESEL EXHAUST FLUID.....	68		104
MOUNTING GP-EXHAUST	69	SENSOR GP-TEMPERATURE (EXHAUST)	108
MOUNTING GP-FAN.....	49	SENSOR-LEVEL (WATER IN FUEL)	84
P		SENSOR-SPEED (LH)	100
PAN GP-OIL	29	SENSOR-SPEED (RH)	100
PIPE GP-EXHAUST.....	71	SENSOR-TEMPERATURE (2-PIN)	100
PISTON & ROD GP	30		104
PISTON GP.....	30	SENSOR-TEMPERATURE (FUEL)	91
PLATE & FILM GP	115	STARTING AID GP.....	105
PLUG AS-DRAIN	75	STARTING MOTOR GP-ELECTRIC	106
PLUG AS-DRAIN (DEF TANK)	76		107
PLUG GP-ENGINE	32	SWITCH AS-PRESSURE.....	100
PULLEY GP-CRANKSHAFT	33	T	
PUMP & TANK GP-DEF	72	TANK GP-DIESEL EXHAUST FLUID.....	75
PUMP GP-DIESEL EXHAUST FLUID	73		76
	74		77
PUMP GP-ENGINE OIL.....	45		78
PUMP GP-FUEL INJECTION	91	TURBOCHARGER GP	79
PUMP GP-WATER.....	50	V	
R		VALVE GP-AIR CONTROL	54
RAIL GP-FUEL	92		55
REGULATOR GP-TEMPERATURE	51	VALVE GP-CHECK	41
ROCKER ARM GP	34	VALVE GP-CYLINDER HEAD	35
S		VALVE GP-EXHAUST GAS (NRS).....	80
SCREEN AS	75	VALVE GP-SOLENOID.....	81
	76	VALVE MECHANISM GP.....	36
SENSOR AS-FUEL LEVEL	85	W	
		WIRING GP-CEM.....	108
		WIRING GP-ENGINE	109
			111

ENGINE ARRANGEMENT

571-0205 ENGINE AR-PRIMARY

75 BRAKE KW (100 BHP) AT 2400 RPM

OPTIONAL FIELD REPLACEMENT ORDER 562-6371-PAGE: 12, 562-6379-PAGE: 17

SMCS-1000

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NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	546-3089	1	ADAPTER GP-WATER LINES						46
Y	544-9965	1	ADAPTER GP-EXHAUST						52
Y	510-3718	1	ALTERNATOR GP-CHARGING						94
Y	539-5492	1	BREATHING GP						37
Y	549-6266	1	CAMSHAFT GP						6
Y	487-4342	1	REGULATOR GP-TEMPERATURE						51
Y	550-1384	1	CONNECTION GP-WATER						47
Y	540-1539	1	CONTROL & MTG GP-ELECTRONIC						95
Y	540-3082	1	CONTROL GP-AIR						53
Y	514-7381	1	COOLER GP-ENGINE OIL						48
Y	539-5502	1	COVER GP-VALVE MECHANISM						7
Y	507-6692	1	CRANKSHAFT GP						9
Y	539-5411	1	CYLINDER BLOCK GP						10
Y	539-5489	1	CYLINDER HEAD GP						15
Y	502-6361	1	DRIVE GP-FAN						20
Y	523-6556	1	ELBOW GP-AIR INLET						54
Y	512-8182	1	ELECTRICAL GP-DEF						96
Y	527-3244	1	EXHAUST GP-FLEXIBLE						57
Y	487-4323	1	FILLER GP-ENGINE OIL						38
Y	515-5390	1	FILM GP						114
Y	546-3086	1	FILTER GP-ENGINE OIL						39
Y	524-2270	1	FILTER GP-FUEL						83
Y	502-6314	1	FLYWHEEL GP						23
Y	512-6384	1	GAUGE GP-OIL LEVEL (DIPSTICK)						42
Y	490-1304	1	HOUSING GP-FLYWHEEL						24
Y	499-2389	1	HOUSING GP-FRONT						26
Y	498-7941	1	INJECTOR GP-FUEL						87
Y	486-8897	1	JET GP-PISTON COOLING						27
Y	548-9001	1	LIFTING GP-ENGINE						28
			-OR-						
	560-2128	1	EYE GP-LIFTING						
Y	388-5271	1	LINES GP-DIESEL EXHAUST FLUID						58
Y	543-2859	1	LINES GP-DIESEL EXHAUST FLUID						59
Y	541-9957	1	LINES GP-FUEL						89
Y	512-8095	1	MANIFOLD GP-EXHAUST						64
Y	527-3205	1	MODULE AR-CLEAN EMISSIONS						66
Y	508-9936	1	FILM GP						113
Y	527-3167	1	MOUNTING GP-EXHAUST						69
Y	509-6448	1	MOUNTING GP-FAN						49
Y	509-6445	1	PAN GP-OIL						29
Y	511-8795	1	PIPE GP-EXHAUST						71
Y	486-7497	1	PISTON & ROD GP						30
Y	510-2808	1	PLATE & FILM GP						115
Y	506-5468	1	PULLEY GP-CRANKSHAFT						33
Y	510-3728	1	PUMP & TANK GP-DEF						72
Y	507-5225	1	PUMP GP-ENGINE OIL						45
Y	498-7944	1	PUMP GP-FUEL INJECTION						91
Y	516-2819	1	RAIL GP-FUEL						92

ENGINE ARRANGEMENT

571-0205 ENGINE AR-PRIMARY (contd.)

i08015297

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	486-7579	1	ROCKER ARM GP						34
Y	540-3113	1	SENSOR GP-ENGINE						100
Y	514-7407	1	SENSOR GP-NITROGEN OXIDE						103
Y	377-9847	1	SENSOR GP-TEMPERATURE						104
Y	519-7383	1	STARTING AID GP						105
Y	509-6397	1	STARTING MOTOR GP-ELECTRIC						107
Y	526-1948	1	PLUG GP-ENGINE						32
Y	514-7399	1	TURBOCHARGER GP						79
Y	560-2127	1	WIRING GP-CEM						108
Y	541-6931	1	WIRING GP-ENGINE						111
	566-3305	1	ELECTRONICS GP-ENGINE						
	501-4158	1	PLATE GP-SERIAL NUMBER						

Y - SEPARATE ILLUSTRATION

<END>

ENGINE ARRANGEMENT

571-0221 ENGINE AR-PRIMARY

74 BRAKE KW (100 BHP) 2400-RPM

OPTIONAL FIELD REPLACEMENT ORDER 562-6371-PAGE: 12, 562-6379-PAGE: 17

SMCS-1000

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NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	544-9965	1	ADAPTER GP-EXHAUST						52
Y	546-3089	1	ADAPTER GP-WATER LINES						46
	519-7382	1	AID GP-STARTING						
Y	500-8741	1	ALTERNATOR GP-CHARGING						93
Y	539-5492	1	BREATHING GP						37
Y	549-6266	1	CAMSHAFT GP						6
Y	550-1384	1	CONNECTION GP-WATER						47
Y	540-1539	1	CONTROL & MTG GP-ELECTRONIC						95
Y	540-3082	1	CONTROL GP-AIR						53
Y	514-7381	1	COOLER GP-ENGINE OIL						48
Y	539-5502	1	COVER GP-VALVE MECHANISM						7
Y	507-6692	1	CRANKSHAFT GP						9
Y	539-5411	1	CYLINDER BLOCK GP						10
Y	539-5489	1	CYLINDER HEAD GP						15
Y	554-4064	1	DRAIN GP-ENGINE OIL						19
Y	502-6362	1	DRIVE GP-FAN						21
Y	523-6557	1	ELBOW GP-AIR INLET						55
Y	527-3244	1	EXHAUST GP-FLEXIBLE						57
Y	556-8536	1	EXTENSION GP-FAN						22
Y	487-4323	1	FILLER GP-ENGINE OIL						38
Y	508-9936	1	FILM GP (STARTING MOTOR)						113
Y	515-5390	1	FILM GP (ALTERNATOR)						114
Y	546-3086	1	FILTER GP-ENGINE OIL						39
Y	514-0679	1	FILTER GP-FUEL						82
	502-6315	1	FLYWHEEL GP						
Y	526-9119	1	GAUGE GP-OIL LEVEL (DIPSTICK)						43
Y	499-2386	1	HOUSING GP-FRONT						25
Y	498-7941	1	INJECTOR GP-FUEL						87
Y	486-8897	1	JET GP-PISTON COOLING						27
Y	548-9001	1	LIFTING GP-ENGINE						28
Y	543-2863	1	LINES GP-DIESEL EXHAUST FLUID						60
Y	568-6664	1	LINES GP-DIESEL EXHAUST FLUID						61
Y	541-9957	1	LINES GP-FUEL						89
Y	512-8095	1	MANIFOLD GP-EXHAUST						64
Y	527-3205	1	MODULE AR-CLEAN EMISSIONS						66
Y	510-3725	1	MODULE AR-DIESEL EXHAUST FLUID						68
Y	527-3167	1	MOUNTING GP-EXHAUST						69
Y	509-6445	1	PAN GP-OIL						29
Y	511-8795	1	PIPE GP-EXHAUST						71
Y	486-7497	1	PISTON & ROD GP						30
Y	510-2808	1	PLATE & FILM GP						115
Y	526-1948	1	PLUG GP-ENGINE						32
Y	506-5468	1	PULLEY GP-CRANKSHAFT						33
Y	507-5225	1	PUMP GP-ENGINE OIL						45
Y	498-7944	1	PUMP GP-FUEL INJECTION						91
Y	516-2819	1	RAIL GP-FUEL						92
Y	486-7579	1	ROCKER ARM GP						34
Y	540-3113	1	SENSOR GP-ENGINE						100

ENGINE ARRANGEMENT

571-0221 ENGINE AR-PRIMARY (contd.)

i08015322

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	514-1719	1	SENSOR GP-NITROGEN OXIDE						102
Y	377-9847	1	SENSOR GP-TEMPERATURE						104
Y	502-6352	1	STARTING MOTOR GP-ELECTRIC						106
Y	487-4342	1	REGULATOR GP-TEMPERATURE						51
Y	514-7399	1	TURBOCHARGER GP						79
Y	510-3936	1	VALVE GP-SOLENOID						81
Y	560-2127	1	WIRING GP-CEM						108
Y	541-6909	1	WIRING GP-ENGINE						109
	571-9247	1	ELECTRONICS GP-ENGINE						
	501-4158	1	PLATE GP-SERIAL NUMBER						

Y - SEPARATE ILLUSTRATION

<END>

BASIC ENGINE

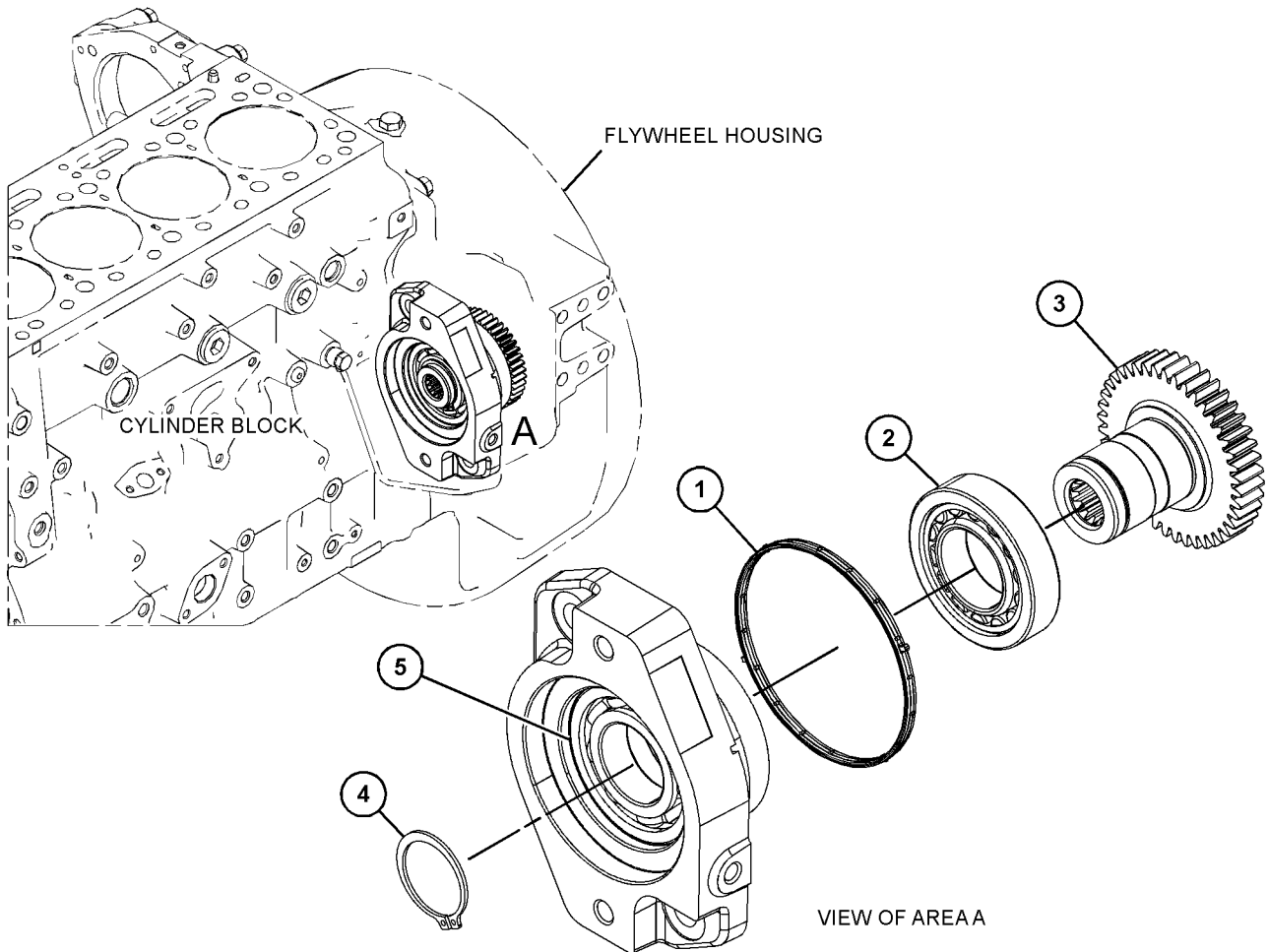
504-3862 ADAPTER GP-POWER TAKE-OFF

PART OF 499-2389 HOUSING GP-FRONT

SMCS-1165

i07828891

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	357-2646	1	PLATE-SEAL						
	2	1	475-6908	1	BEARING AS-ROLLER						
	3	1	500-3817	1	GEAR						
	4	1	6V-5201	1	RING-RETAINING						
	5	1	6H-3957	1	BALL BEARING						



GRAPHIC #1

<END>

g06449708

BASIC ENGINE

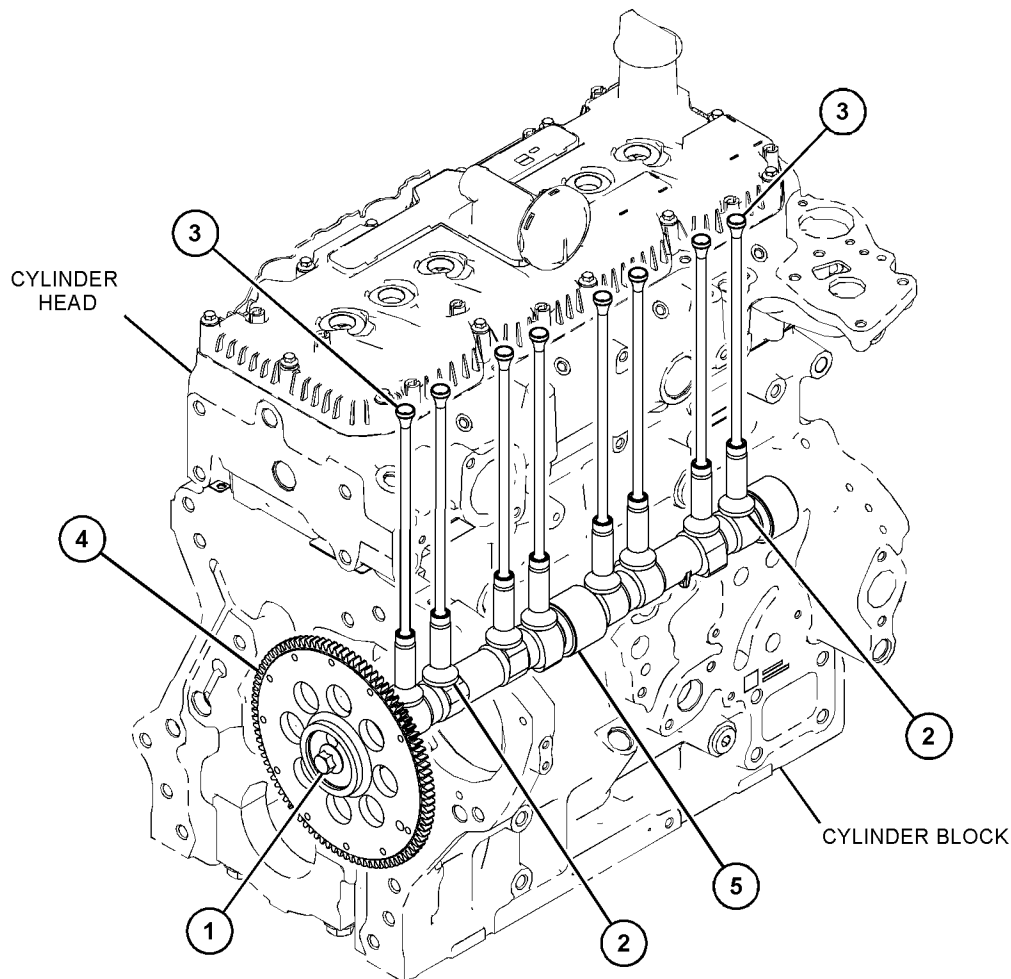
549-6266 CAMSHAFT GP

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1210

i07817591

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	331-7316	1	BOLT (M12X1.75X70-MM)						
	2	1	486-6599	8	FOLLOWER						
	3	1	488-0695	8	PUSHROD						
	4	1	496-0025	1	GEAR - CAMSHAFT						
	5	1	548-8391	1	CAMSHAFT GP						



GRAPHIC #1

<END>

g06446920

BASIC ENGINE

539-5502 COVER GP-VALVE MECHANISM

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1107

i07868415

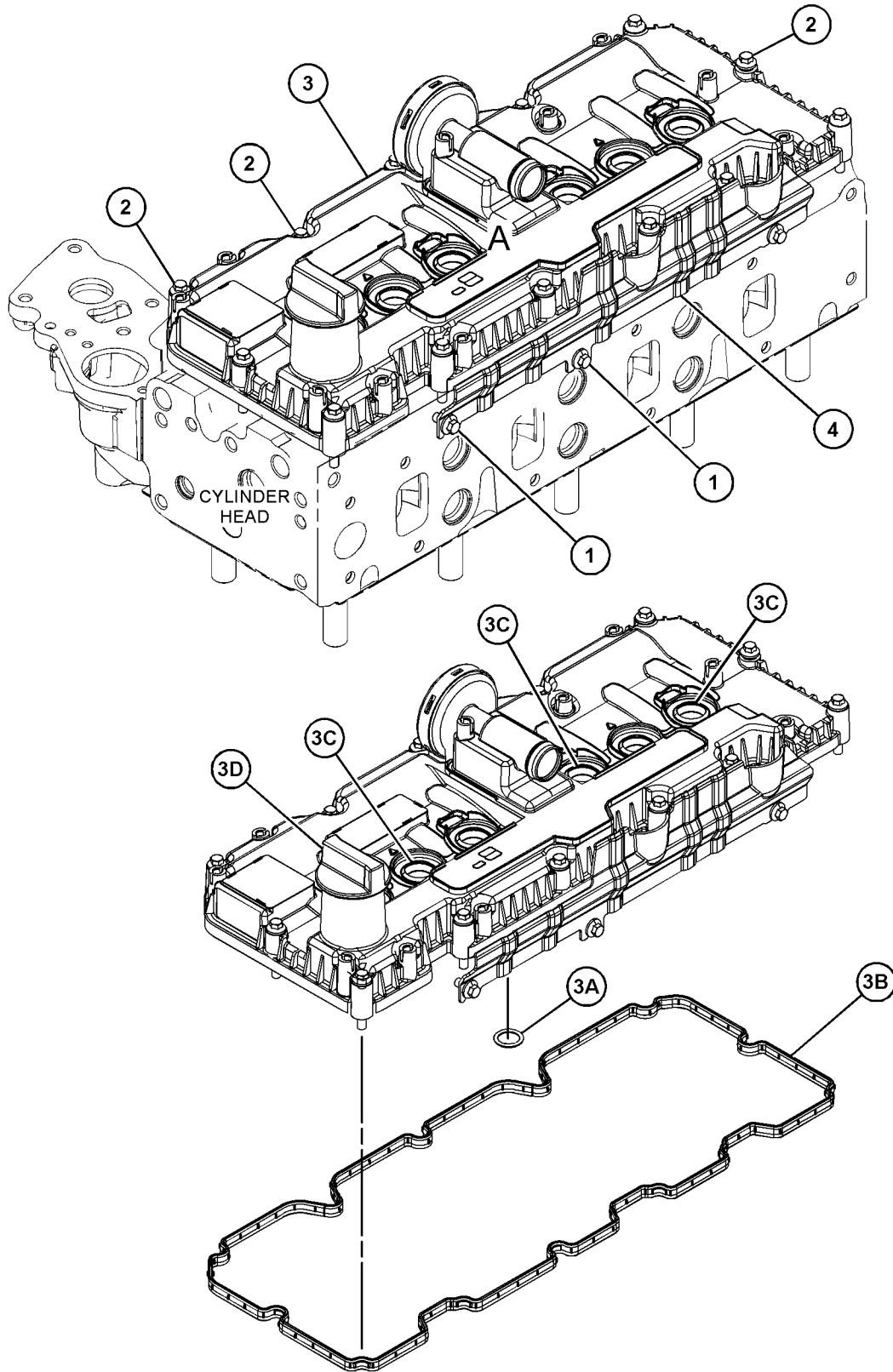
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	6I-0631	3	BOLT (M6X1X12-MM)						
	2	1	243-3811	13	BOLT-FLANGE HEAD						
	3	1	540-6499	1	COVER AS-VALVE MECHANISM						
	3A	1	327-6593	1	SEAL-O-RING						
	3B	1	477-9622	1	SEAL						
	3C	1	521-9216	6	SEAL-RADIAL						
	3D	1	528-5177	1	CAP AS-OIL FILLER						
	4	1	549-1296	1	PLATE						

M - METRIC PART

BASIC ENGINE

539-5502 COVER GP-VALVE MECHANISM (contd.)

i07868415



VIEW OF AREA A

<END>

GRAPHIC #1

g06491024

BASIC ENGINE

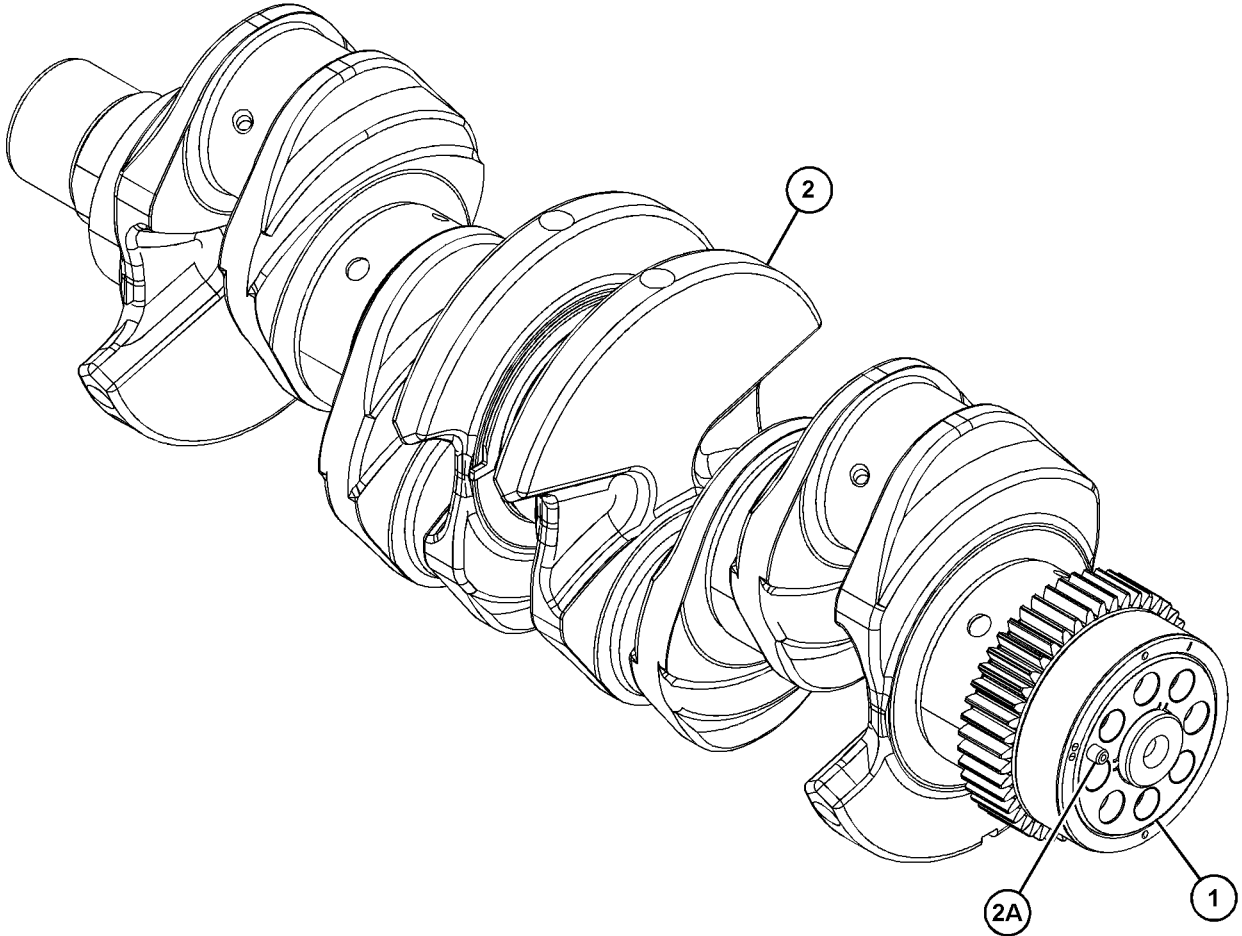
507-6692 CRANKSHAFT GP

PART OF 562-6371 CYLINDER BLOCK GP-SHORT, 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1202

i07817565

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	490-7195	1	SHIM (0.16-MM THK)						
	2	1	514-3901	1	CRANKSHAFT AS						
	2A	1	339-8780	1	DOWEL						



GRAPHIC #1

<END>

g06463778

BASIC ENGINE

539-5411 CYLINDER BLOCK GP

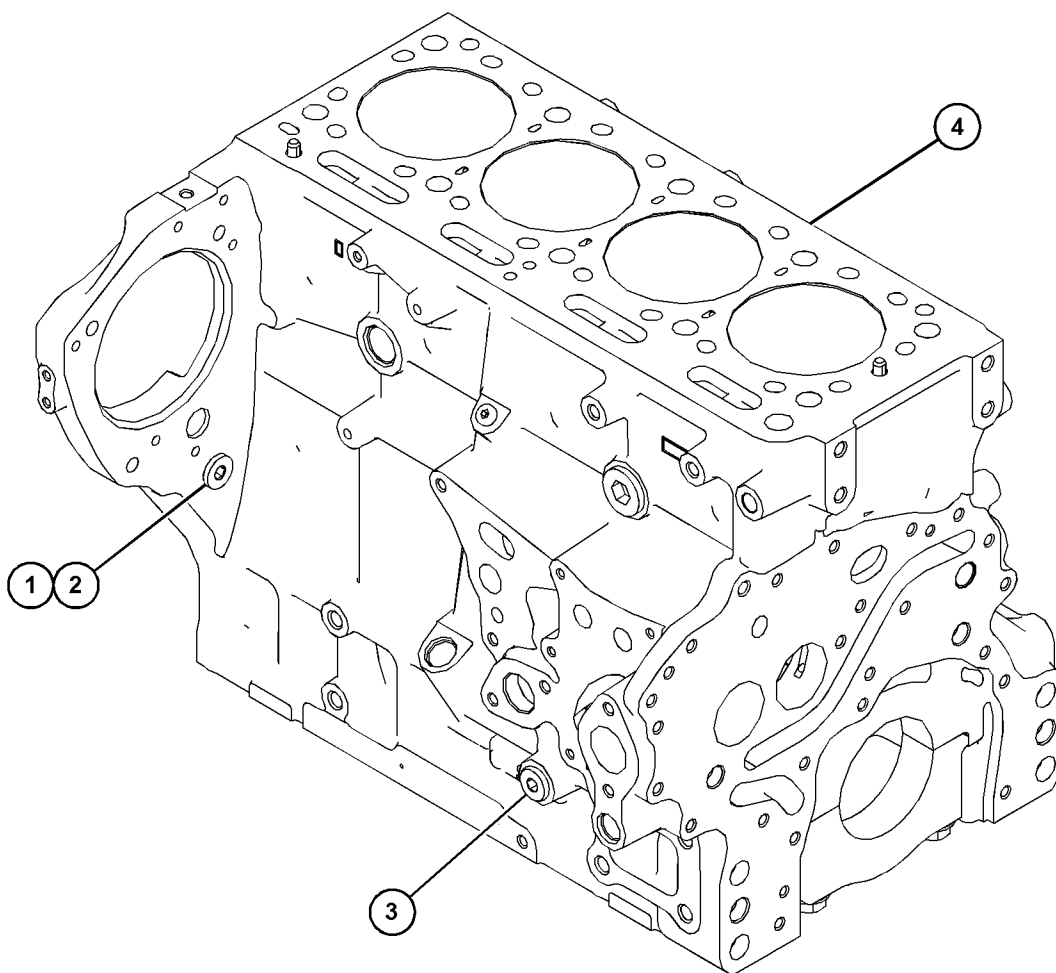
PART OF 562-6371 CYLINDER BLOCK GP-SHORT, 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1201

i07817598

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	3K-0360	1	SEAL-O-RING	
	2	1	9S-8005	1	PLUG (3/4-16-THD)	
	3	1	470-4925	1	PLUG (M18X1.5-THD)	
Y	4	1	574-7806	1	CYLINDER BLOCK GP	11

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06449101

BASIC ENGINE

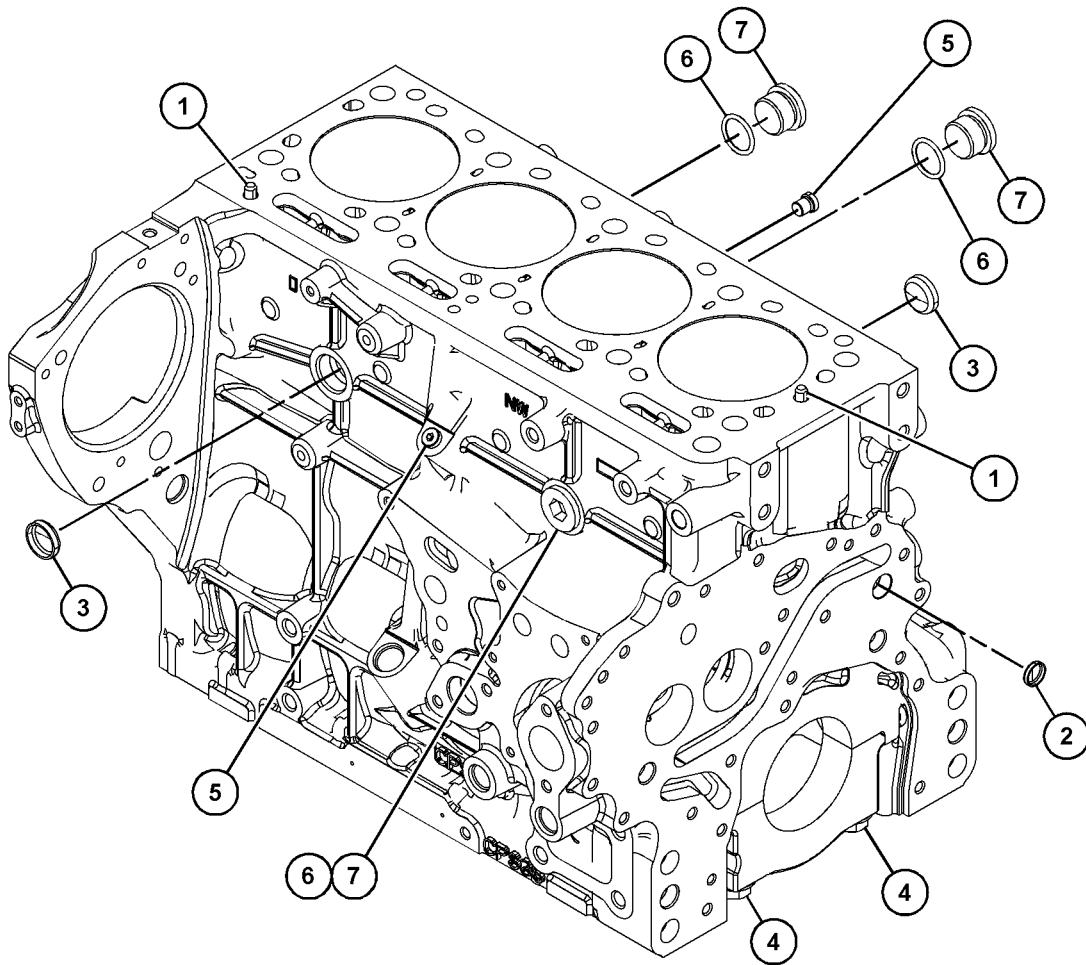
574-7806 CYLINDER BLOCK GP

PART OF 539-5411 CYLINDER BLOCK GP

SMCS-1201

i07824464

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	185-0884	2	DOWEL						
	2	1	232-1323	1	PLUG-CUP						
	3	1	225-6524	2	PLUG-CUP						
	4	1	276-5600	10	BOLT-SPECIAL (BEARING CAP)						
	5	1	277-4223	2	PLUG						
	6	1	6V-5063	3	SEAL-O-RING						
	7	1	9S-8008	3	PLUG (1-1/16-12-THD)						



GRAPHIC #1

<END>

g06449397

BASIC ENGINE

562-6371 CYLINDER BLOCK GP-SHORT

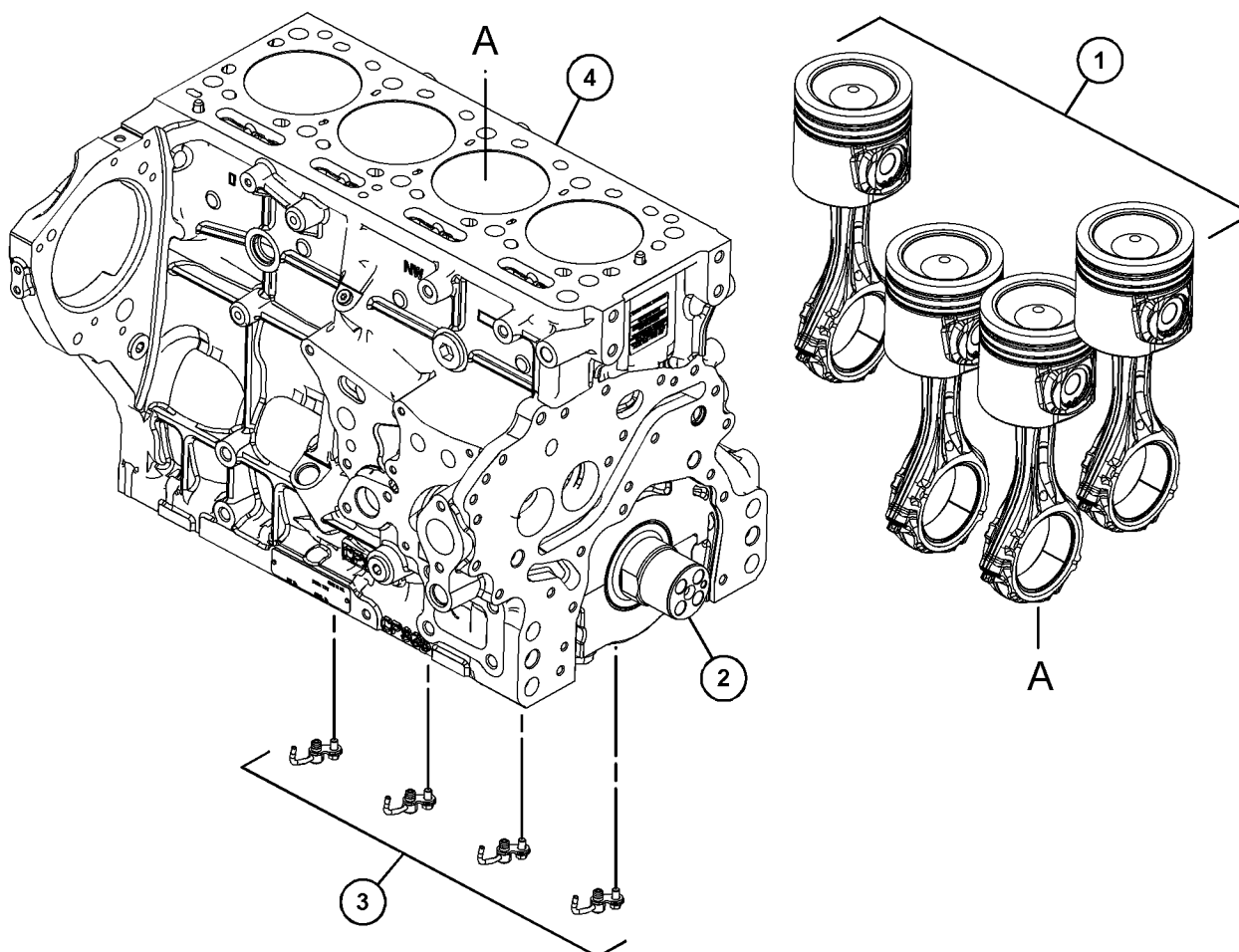
FIELD REPLACEMENT FOR 571-0205-PAGE: 1: FOR 571-0221-PAGE: 3

SMCS-1200

i07817164

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	486-7497	1	PISTON & ROD GP	30
Y	2	1	507-6692	1	CRANKSHAFT GP	9
Y	3	1	486-8897	1	JET GP-PISTON COOLING	27
Y	4	1	539-5411	1	CYLINDER BLOCK GP	10

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06448156

BASIC ENGINE

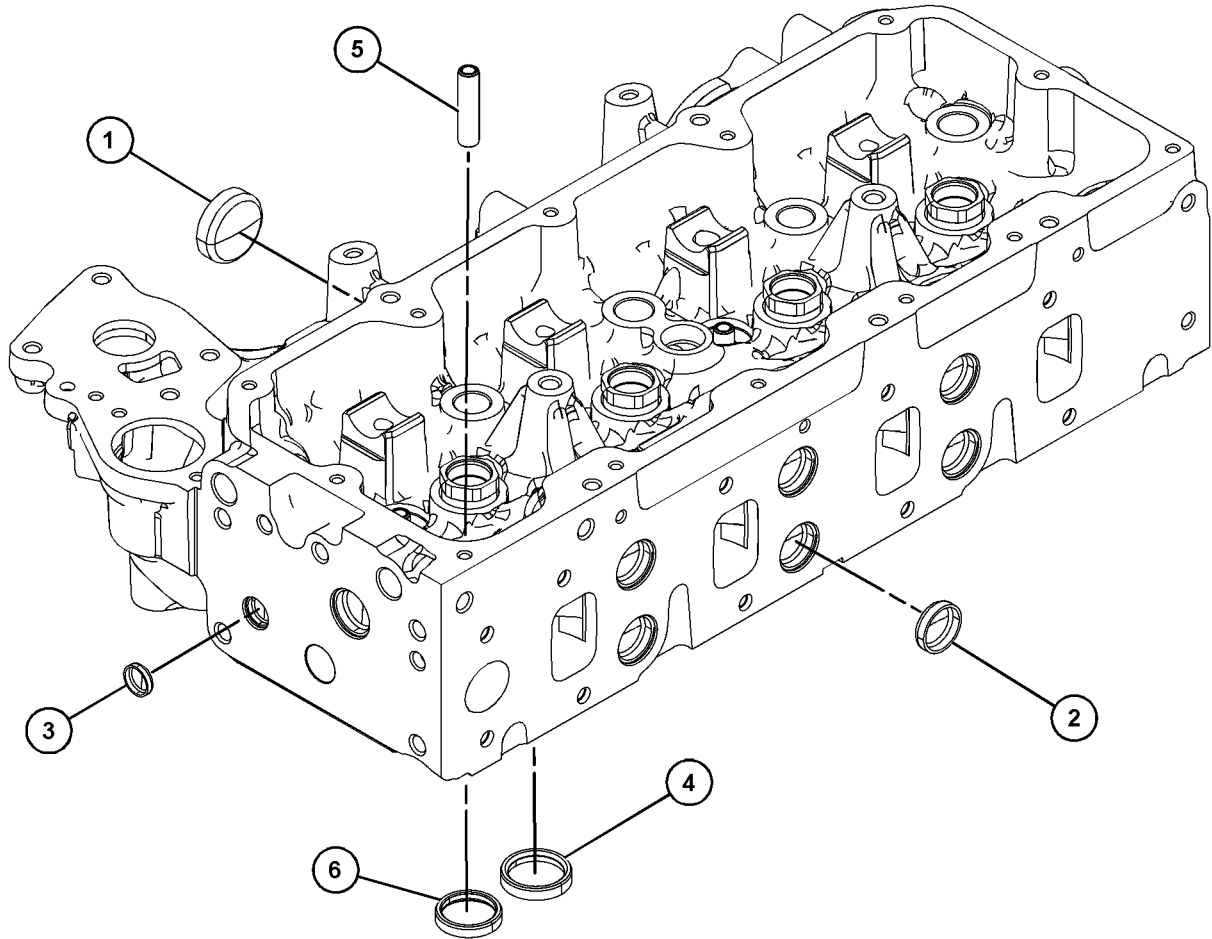
564-6431 CYLINDER HEAD AS

PART OF 581-4466 CYLINDER HEAD AS, 539-5489, 562-6381 CYLINDER HEAD GP

SMCS-1100, 1101

i07815430

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	298-4528	1	PLUG-CORE						
	2	1	276-8117	8	PLUG-CORE						
	3	1	298-4527	2	PLUG-CORE						
	4	1	538-9924	8	SEAT						
	5	1	488-1892	16	GUIDE						
	6	1	488-5787	8	SEAT						



GRAPHIC #1

<END>

g06449709

BASIC ENGINE

581-4466 CYLINDER HEAD AS

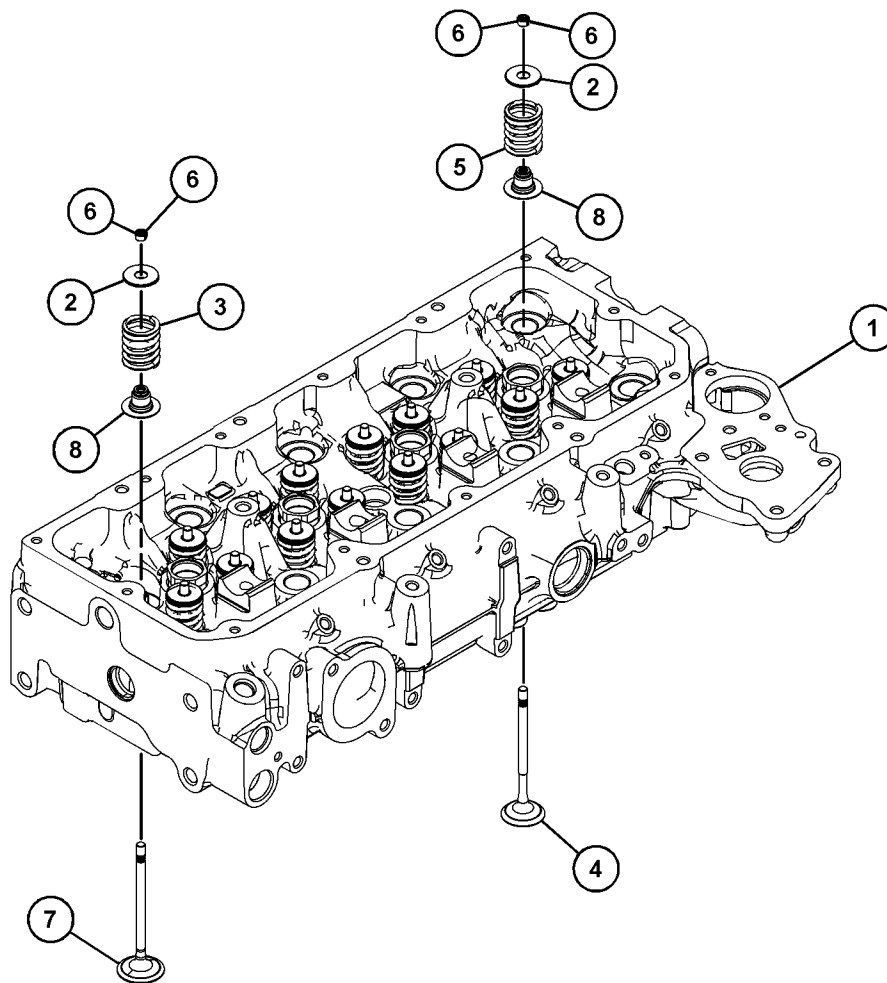
PART OF 539-5489 CYLINDER HEAD GP

SMCS-1100, 1101

i07878185

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	564-6431	1	CYLINDER HEAD AS	13
	2	1	276-8133	16	CAP - VALVE	
	3	1	436-0524	8	SPRING - VALVE	
	4	1	488-1434	8	VALVE - EXHAUST	
	5	1	522-7345	8	SPRING - VALVE	
	6	1	276-8123	32	COTTER - CAP	
	7	1	488-1433	8	VALVE - INLET	
	8	1	488-1895	16	SEAL - VALVE STEM	

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06493678

BASIC ENGINE

539-5489 CYLINDER HEAD GP

PART OF 571-0205 ENGINE AR-PRIMARY

TYPE 1

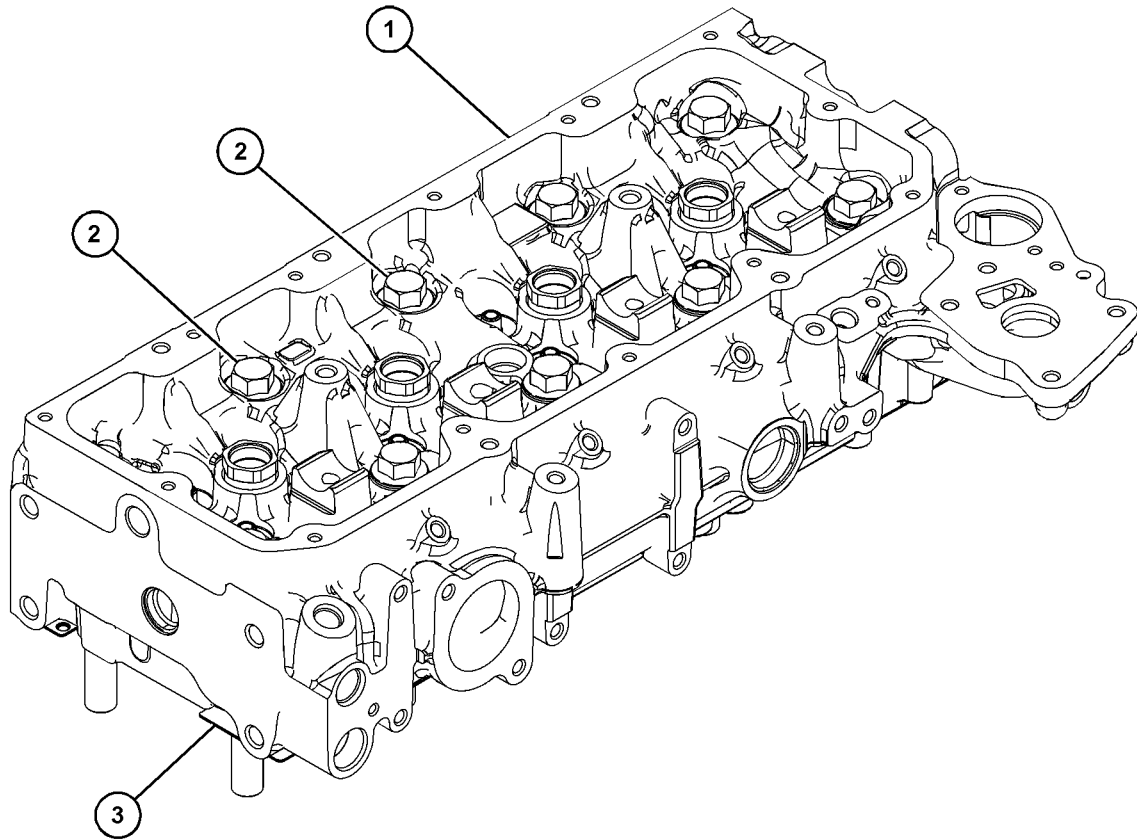
SMCS-1100

i07817600

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	564-6431	1	CYLINDER HEAD AS	13
M	2	1	510-9648	10	BOLT (M16X1.5X140-MM)	
	3	1	566-6926	1	GASKET	

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06447254

BASIC ENGINE

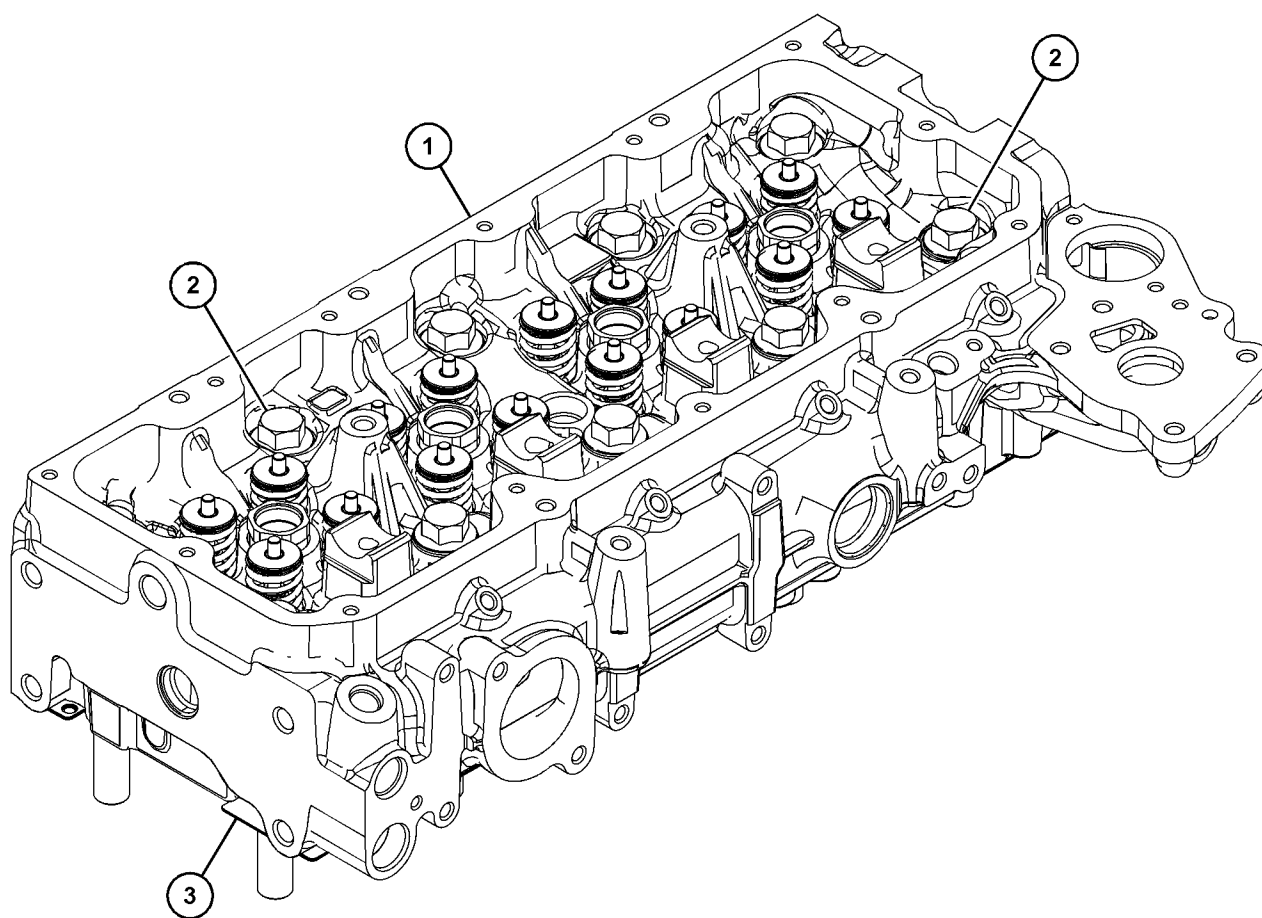
539-5489 CYLINDER HEAD GP PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY TYPE 2

SMCS-1100

i07934135

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
CY	1	1	581-4466	1	CYLINDER HEAD AS	14
M	2	1	510-9648	10	BOLT (M16X1.5X140-MM)	
	3	1	566-6926	1	GASKET	
ABC		1	577-1673		GASKET	
ABC		1	577-1672		GASKET	

A - NOT PART OF THIS GROUP
B - USE AS REQUIRED
C - CHANGE FROM PREVIOUS TYPE
M - METRIC PART
Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06490828

BASIC ENGINE

562-6379 CYLINDER HEAD GP

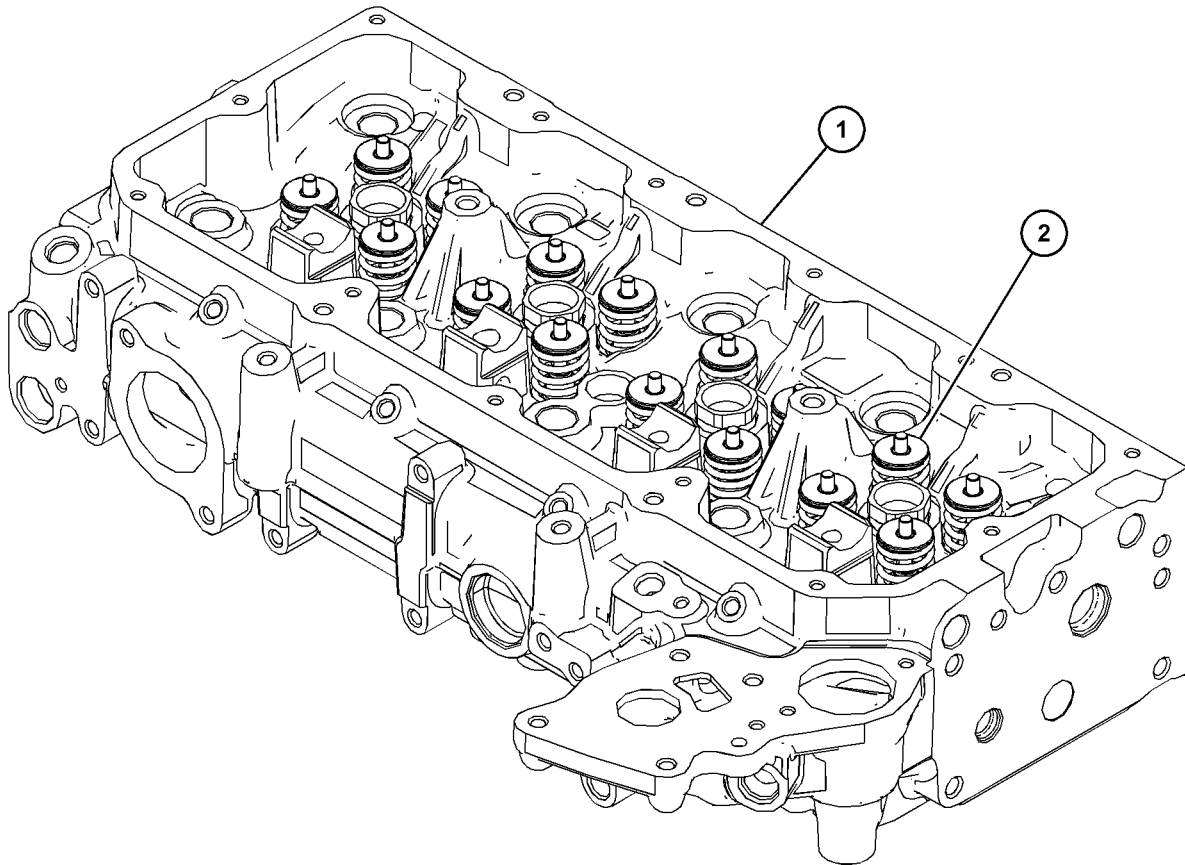
FIELD REPLACEMENT FOR 571-0205-PAGE: 1: FOR 571-0221-PAGE: 3

SMCS-1100

i07817160

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	562-6381	1	CYLINDER HEAD GP	18
Y	2	1	562-6382	1	VALVE GP-CYLINDER HEAD	35

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06448275

BASIC ENGINE

562-6381 CYLINDER HEAD GP

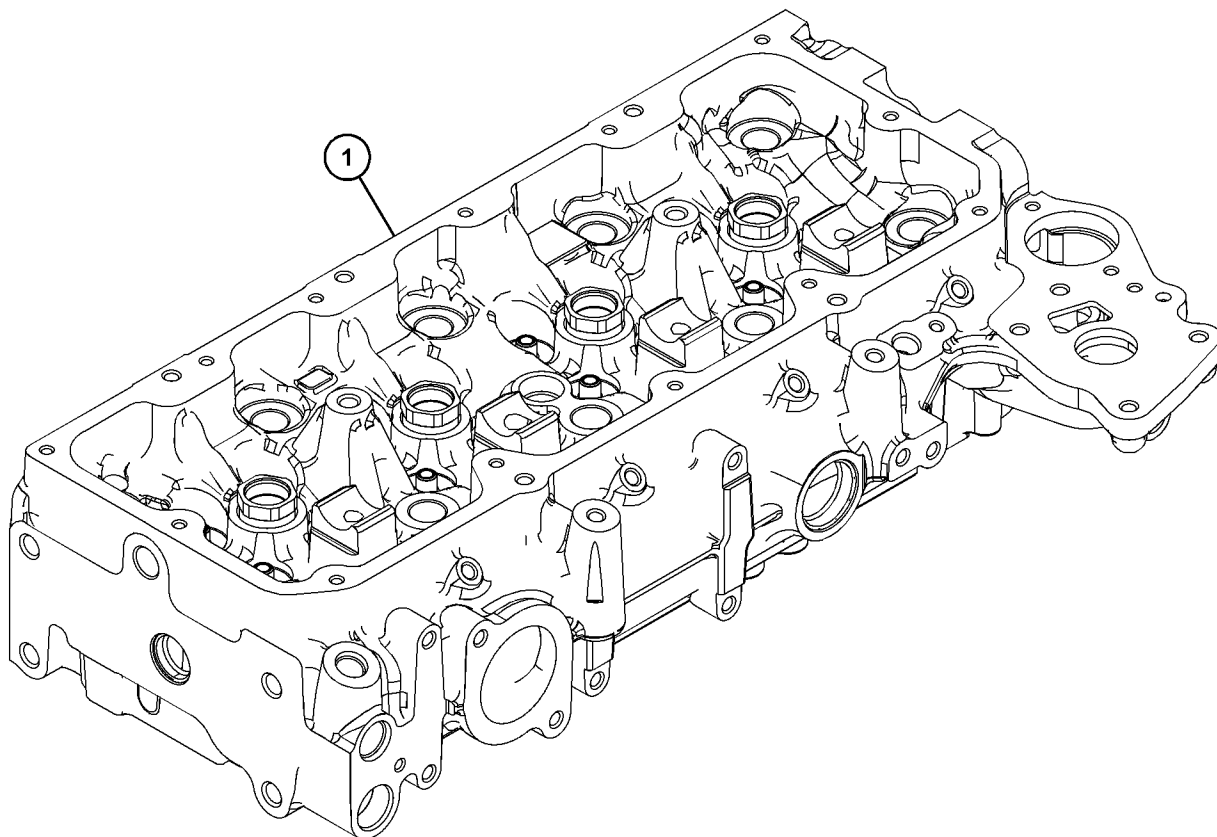
PART OF 562-6379 CYLINDER HEAD GP

SMCS-1100

i07817162

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	564-6431	1	CYLINDER HEAD AS						13

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06446811

BASIC ENGINE

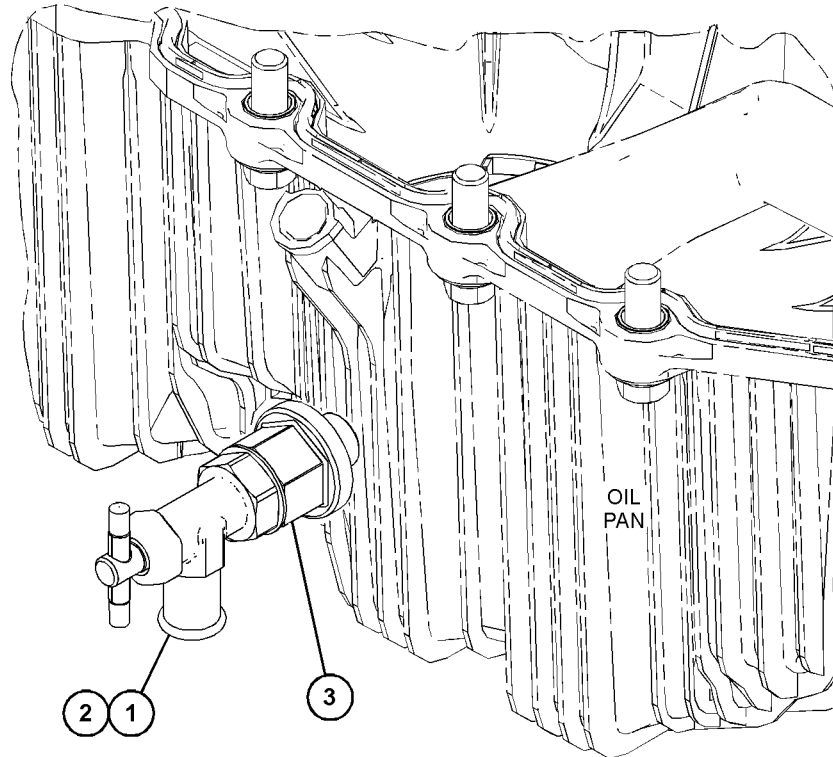
554-4064 DRAIN GP-ENGINE OIL

PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-1302

i07976644

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	6V-7238	1	VALVE-SHUTOFF						
	2	1	3K-0360	1	SEAL-O-RING						
	3	1	559-9707	1	ADAPTER AS						
		1	552-5808	1	SEAL						



GRAPHIC #1

<END>

g06486192

BASIC ENGINE

502-6361 DRIVE GP-FAN

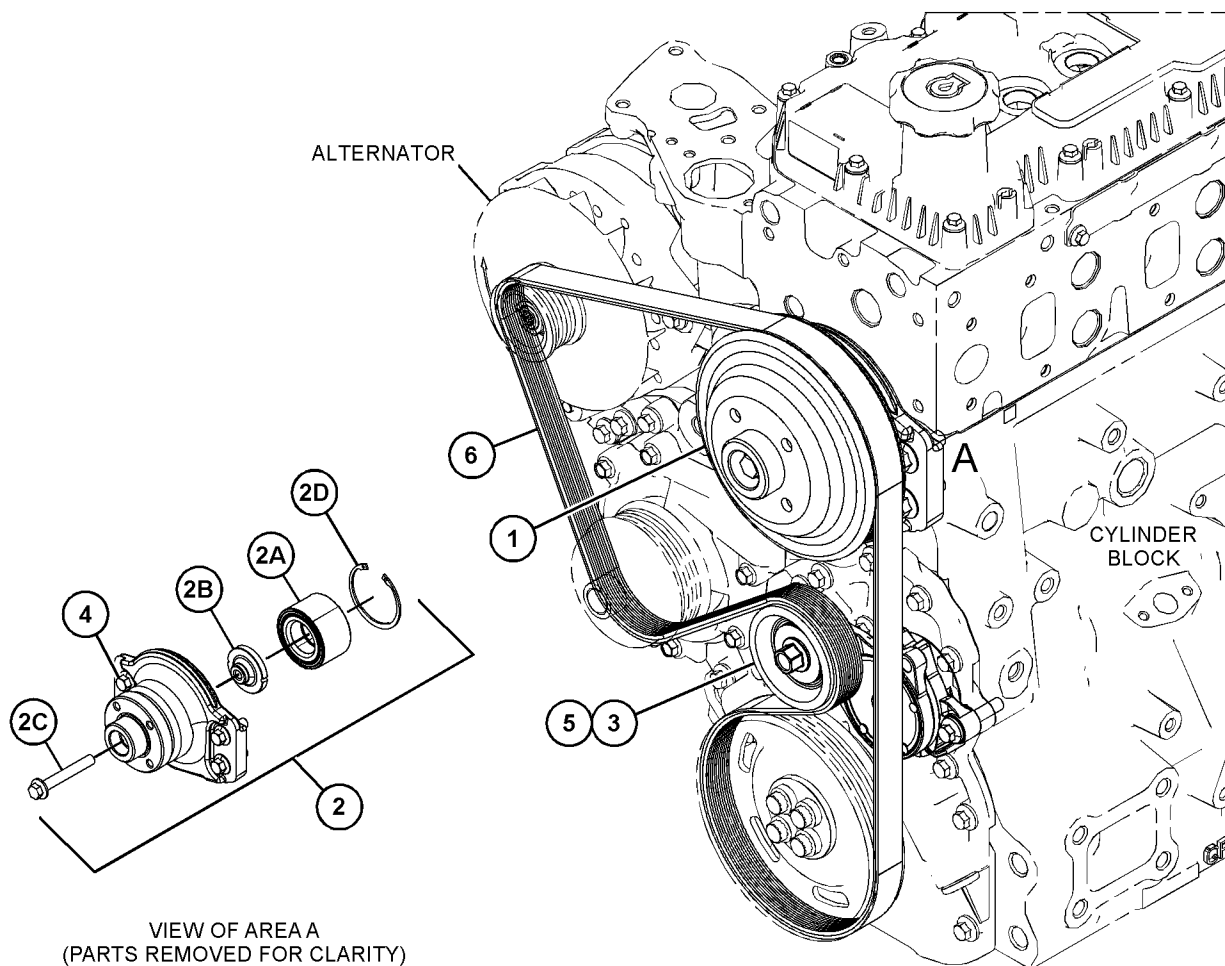
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1359

i07817601

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	499-9620	1	PULLEY (FAN)						
	2	1	527-7238	1	DRIVE AS-FAN						
	2A	1	527-8155	1	BEARING						
	2B	1	528-4875	1	NUT-RETAINER						
M	2C	1	6I-0454	1	BOLT (M10X1.5X70-MM)						
	2D	1	529-7634	1	RETAINER						
	3	1	536-3596	1	TENSIONER AS						
M	4	1	6I-0593	4	BOLT (M10X1.5X30-MM)						
M	5	1	6I-1090	2	BOLT (M8X1.25X40-MM)						
	6	1	520-3849	1	BELT-SERPENTINE						

M - METRIC PART



GRAPHIC #1

<END>

g06447192

BASIC ENGINE

502-6362 DRIVE GP-FAN

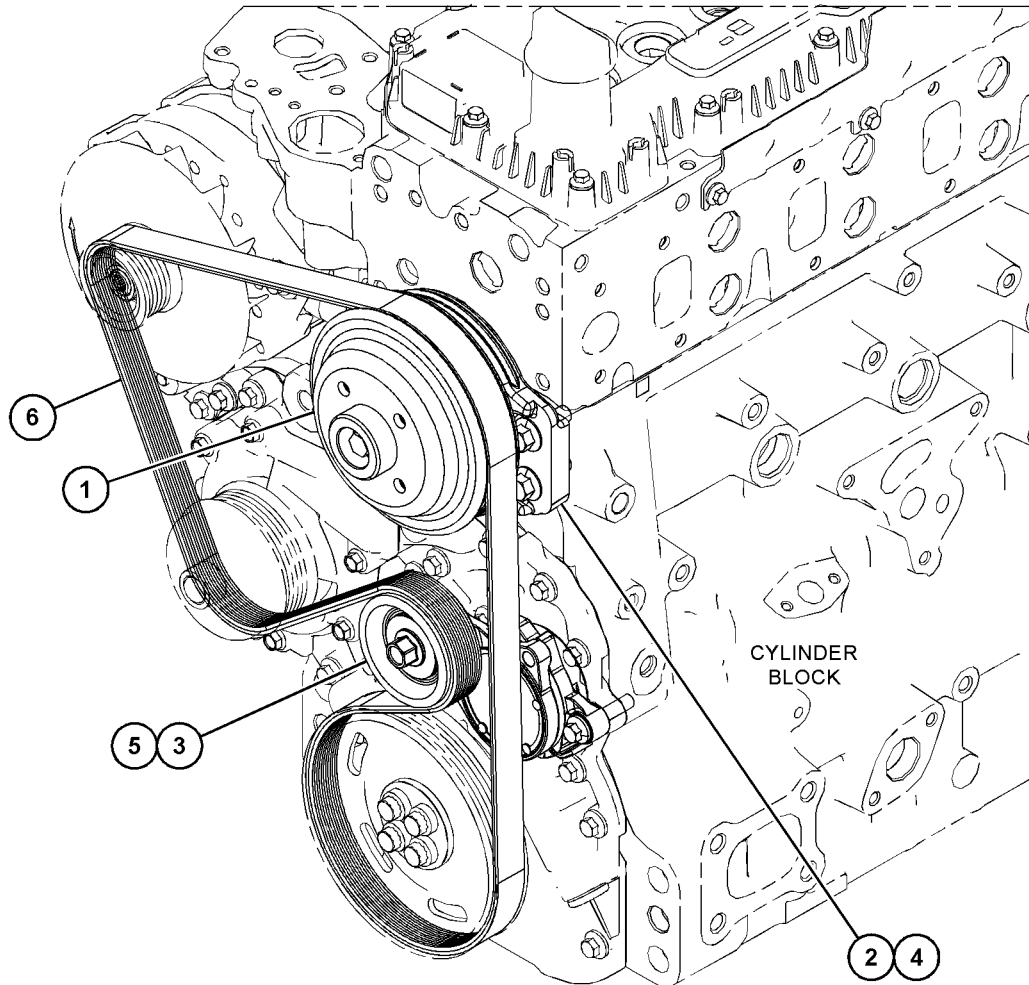
PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-1359

i08015323

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	499-9621	1	PULLEY (FAN)						
	2	1	527-7238	1	DRIVE AS-FAN						
	3	1	536-3596	1	TENSIONER AS						
M	4	1	6I-0593	4	BOLT (M10X1.5X30-MM)						
M	5	1	6I-1090	2	BOLT (M8X1.25X40-MM)						
	6	1	515-2093	1	BELT-SERPENTINE						

M - METRIC PART



GRAPHIC #1

<END>

g06500107

BASIC ENGINE

556-8536 EXTENSION GP-FAN

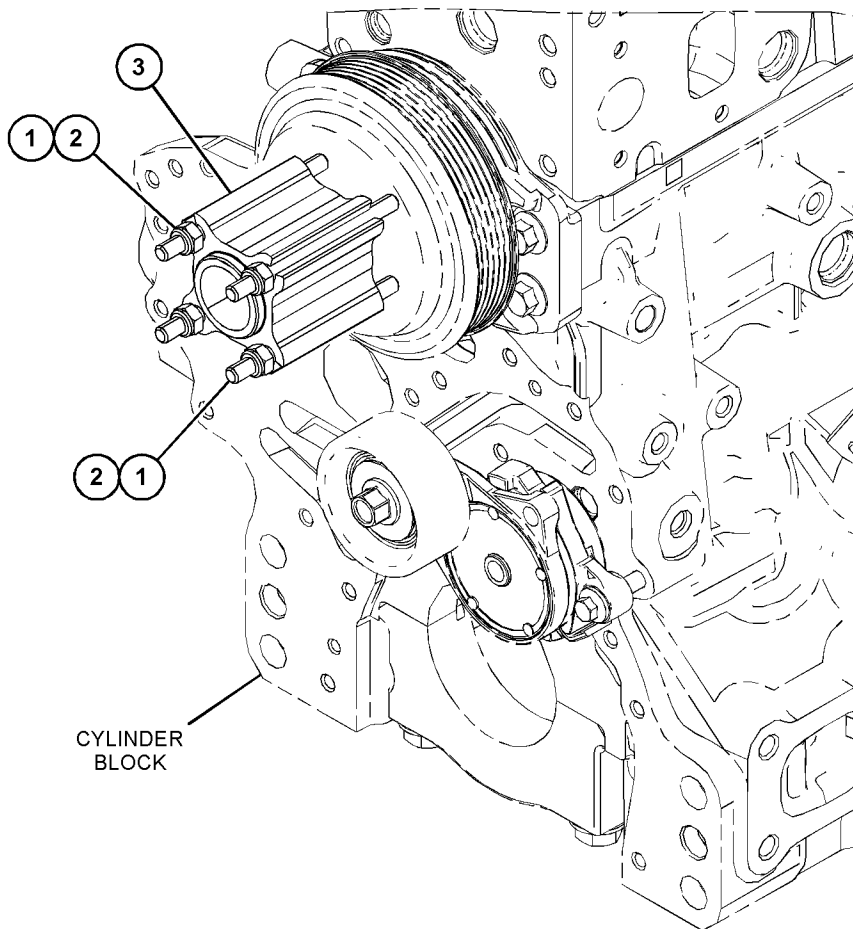
PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-1359

i07992338

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	135-6362	4	STUD						
M	2	1	6V-9189	4	LOCKNUT (M8X1.25-THD)						
	3	1	453-9682	1	EXTENSION-FAN						

M - METRIC PART



GRAPHIC #1

<END>

g06506458

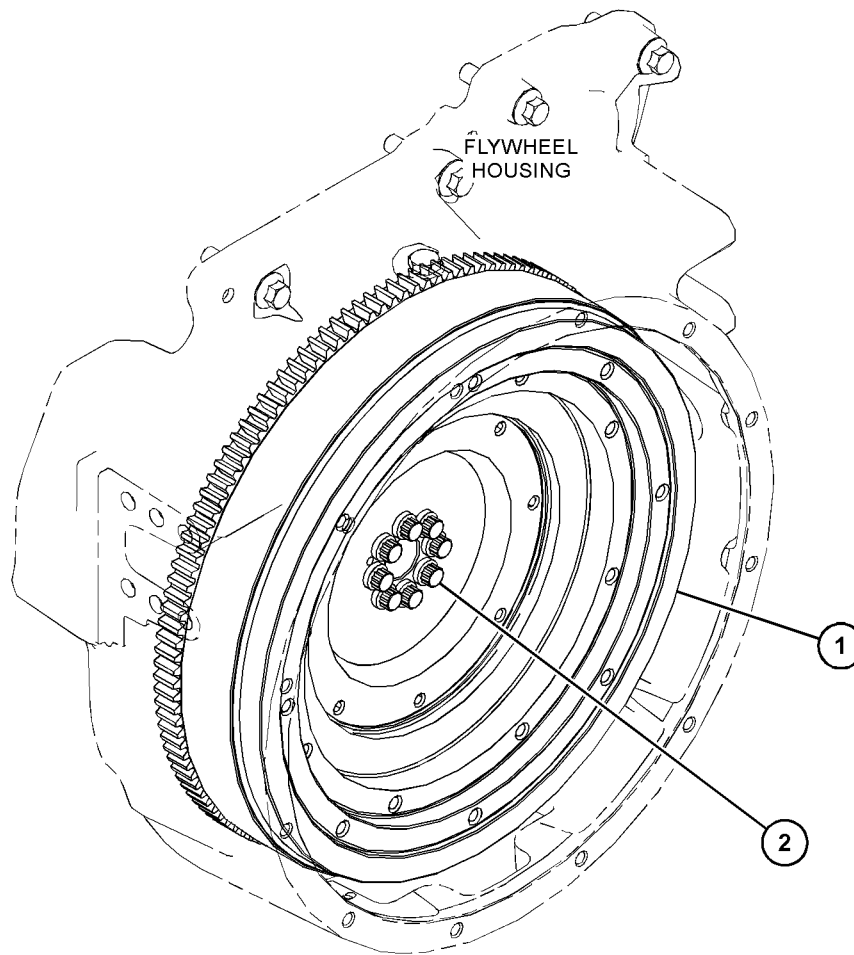
BASIC ENGINE

502-6314 FLYWHEEL GP PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1156

i07817888

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	488-8124	1	FLYWHEEL AS						
		1	033-7687	1	RING-STARTING MOTOR (126-TEETH)						
M	2	1	189-6123	8	BOLT-12 POINT HEAD (M12X1.75X60-MM)						
M - METRIC PART											



GRAPHIC #1

<END>

g06448274

BASIC ENGINE

490-1304 HOUSING GP-FLYWHEEL

FOR USE WITH COMPACT-X APPLICATIONS

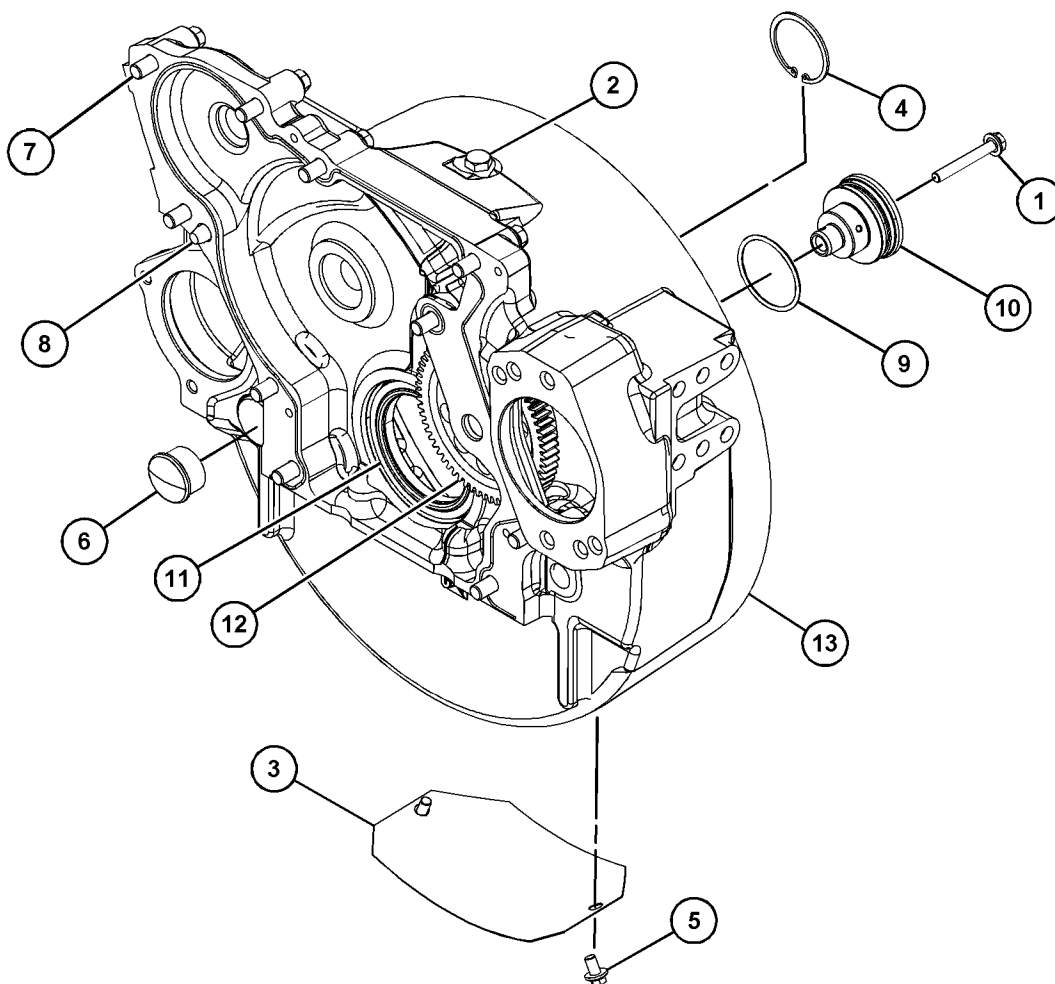
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1157

i07891580

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	579-7580	1	BOLT AS						
M	2	1	6V-8177	1	BOLT (M12X1.75X16-MM)						
	3	1	7W-1176	1	PLATE-COVER						
	4	1	9X-2858	1	RING-RETAINING						
M	5	1	100-4458	2	BOLT (M8X1.25X14-MM)						
	6	1	199-3109	1	PLUG						
M	7	1	283-4662	10	BOLT-FLANGE HEAD (M12X1.75X55-MM)						
	8	1	287-8597	1	DOWEL						
	9	1	447-7206	1	SEAL-O-RING						
	10	1	587-3650	1	SHAFT-IDLER						
	11	1	500-3296	1	SEAL						
	12	1	588-4925	1	GEAR AS- IDLER						
	13	1	576-6133	1	HOUSING-FLYWHEEL						

M - METRIC PART



GRAPHIC #1

<END>

g06503582

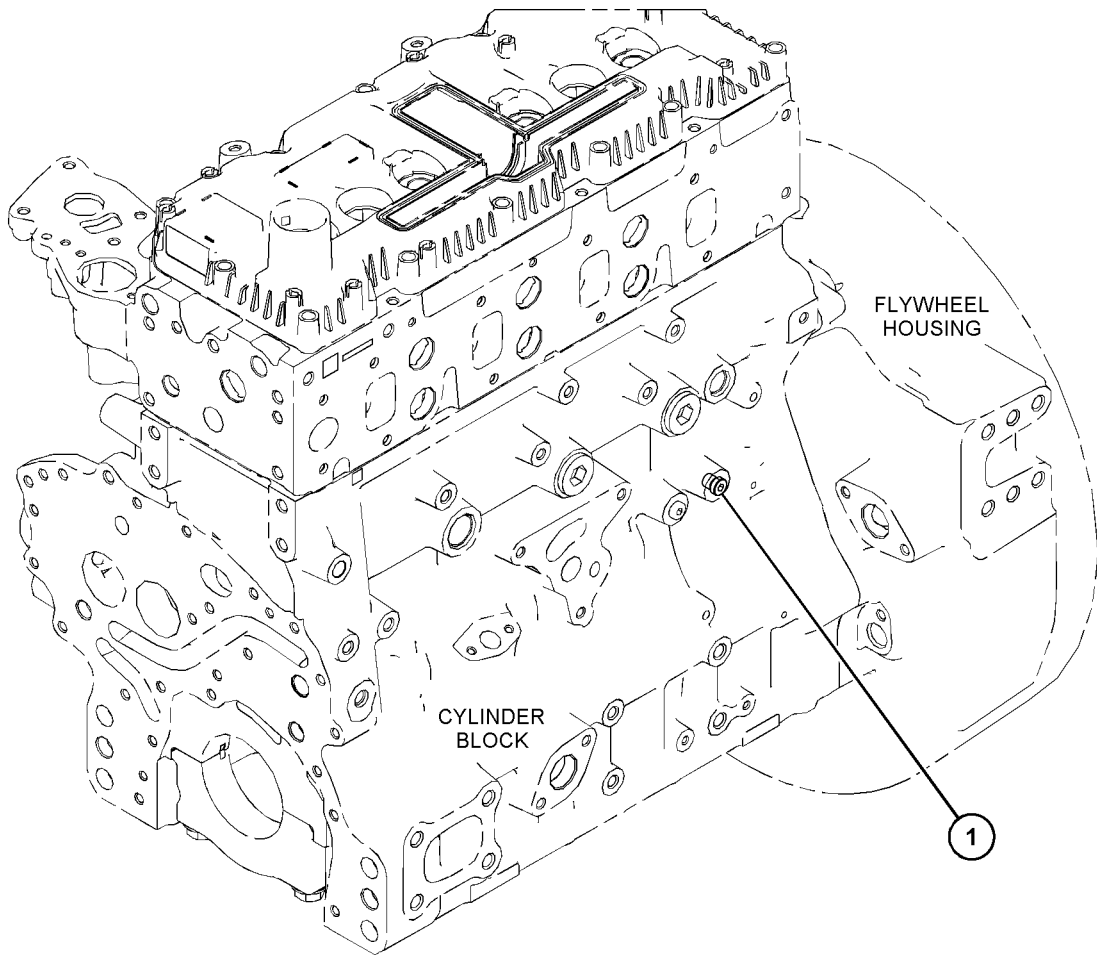
BASIC ENGINE

499-2386 HOUSING GP-FRONT-PLUG
PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-1151, 1162, 1206

i07990058

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	277-4223	1	PLUG						



GRAPHIC #1

<END>

g06487689

BASIC ENGINE

499-2389 HOUSING GP-FRONT-PTO

PART OF 571-0205 ENGINE AR-PRIMARY

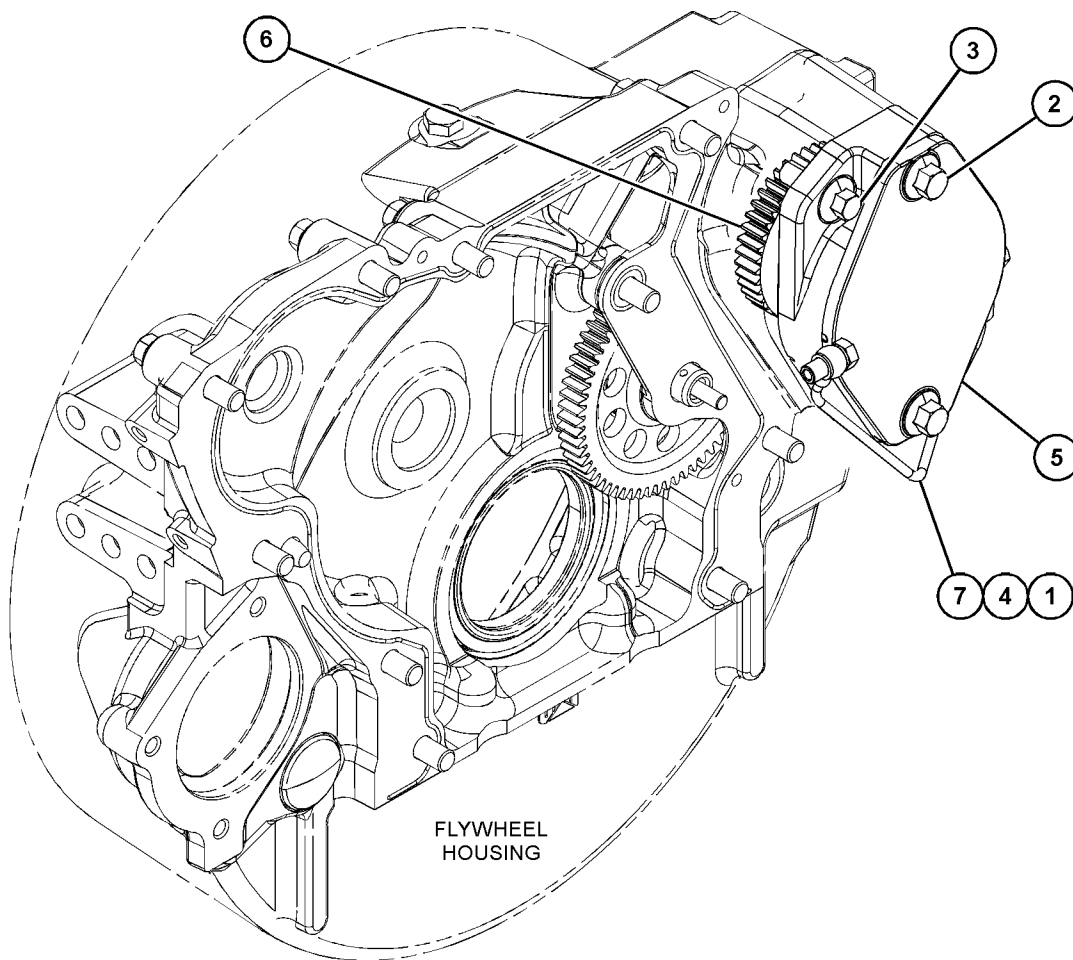
SMCS-1151, 1162, 1206

i07817885

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	225-8524	2	BOLT-SPECIAL						
M	2	1	102-9941	2	BOLT (M12X1.75X25-MM)						
M	3	1	106-8954	2	BOLT (M12X1.75X35-MM)						
	4	1	246-4361	4	WASHER (10.5X14X1.5-MM THK)						
	5	1	369-6810	1	COVER GP						
		1	357-2646	1	PLATE-SEAL						
Y	6	1	504-3862	1	ADAPTER GP-POWER TAKE-OFF						5
	7	1	516-0680	1	TUBE AS						

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06449636

BASIC ENGINE

486-8897 JET GP-PISTON COOLING

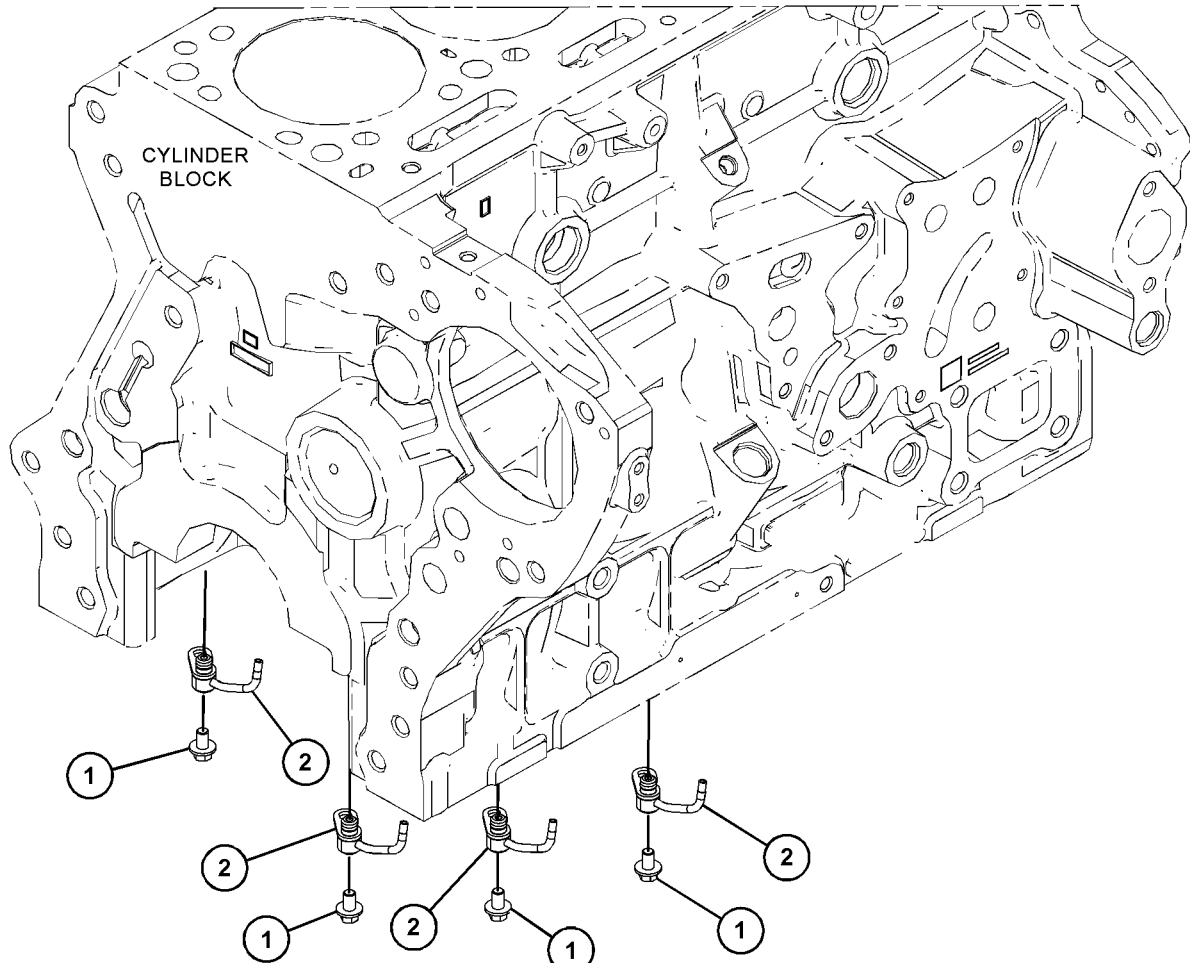
PART OF 562-6371 CYLINDER BLOCK GP-SHORT, 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1331

i07817947

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	100-4841	4	BOLT (M6X1X10-MM)						
	2	1	495-9860	4	TUBE AS						

M - METRIC PART



GRAPHIC #1

<END>

g06449632

BASIC ENGINE

548-9001 LIFTING GP-ENGINE

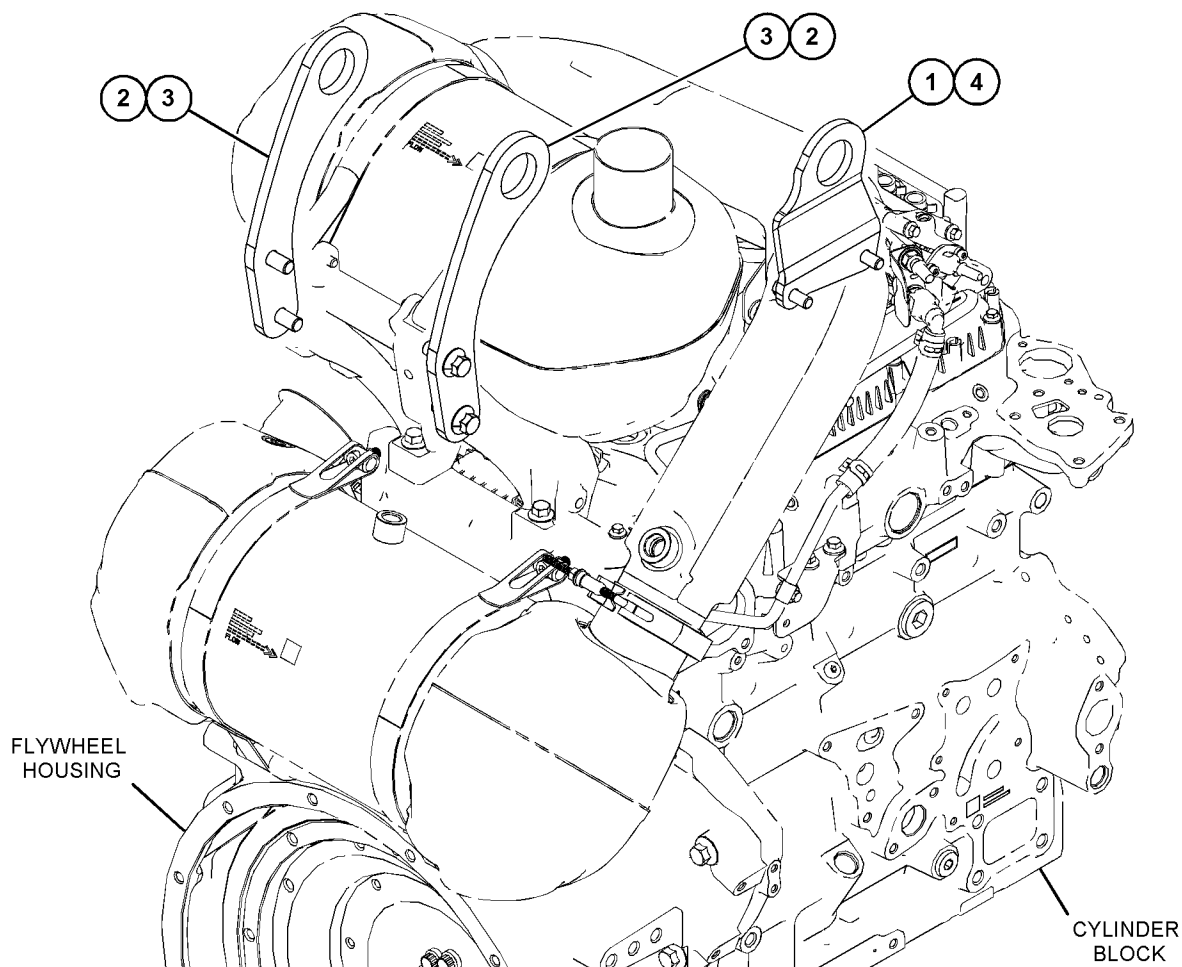
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1122

i07817787

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	528-6579	1	BRACKET-LIFTING (LH-FRONT)						
M	2	1	6I-0423	4	BOLT (M12X1.75X30-MM)						
	3	1	550-2119	2	BRACKET-LIFTING (REAR)						
M	4	1	6I-0654	2	BOLT (M10X1.5X25-MM)						

M - METRIC PART



GRAPHIC #1

<END>

g06448249

BASIC ENGINE

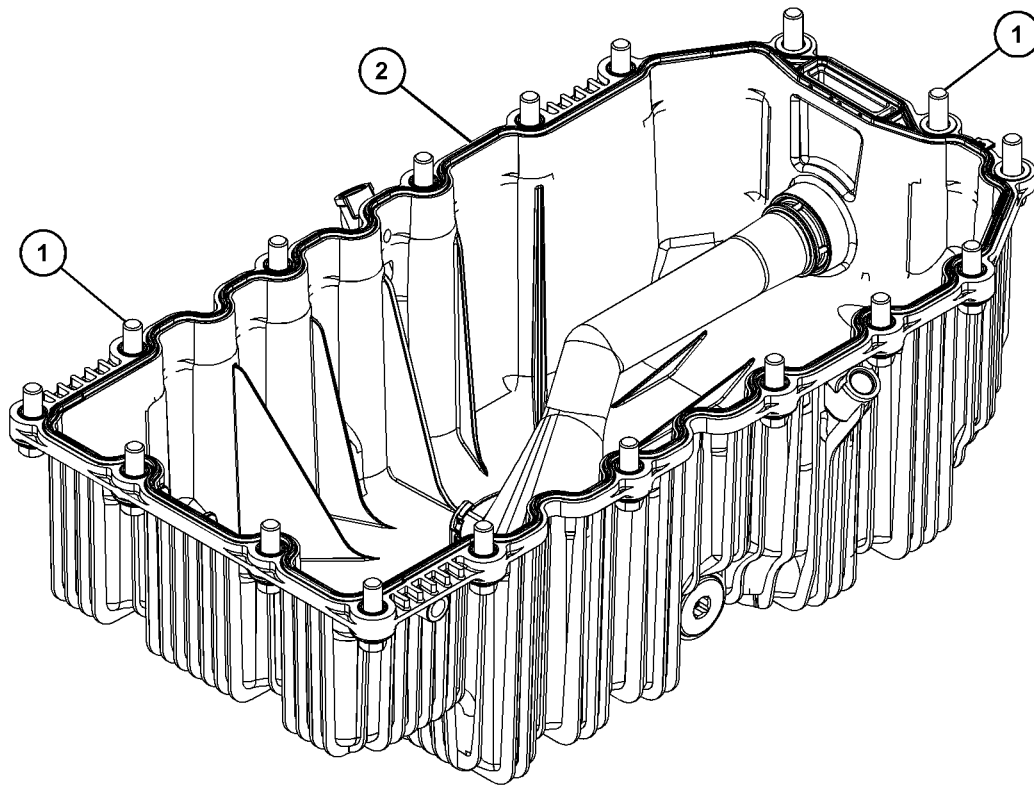
509-6445 PAN GP-OIL PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1302

i07817951

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	121-0883	17	BOLT (M10X1.5X30-MM)						
	2	1	559-1228	1	PAN GP-OIL						
		1	514-2224	1	GASKET						
		1	552-5795	2	PLUG AS						
					(EACH INCLUDES)						
		1	552-5808	1	SEAL						

M - METRIC PART



GRAPHIC #1

<END>

g06449638

BASIC ENGINE

486-7497 PISTON & ROD GP

PART OF 562-6371 CYLINDER BLOCK GP-SHORT, 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1225

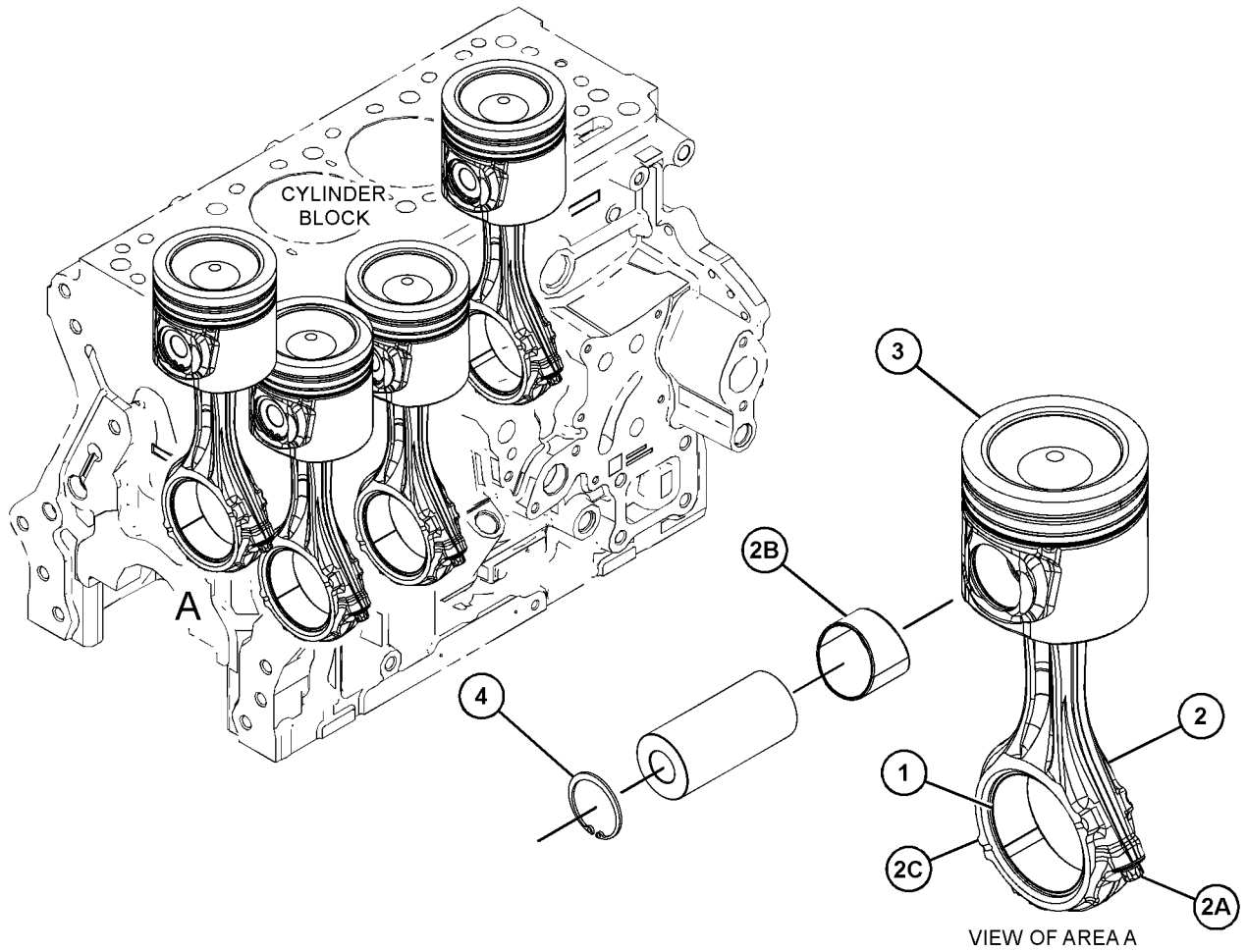
i07817952

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
L	1	1	482-1957	8	BEARING	
	2	1	517-1970	4	ROD AS-CONNECTING	
					(EACH INCLUDES)	
M	2A	1	323-9312	2	BOLT (M10X1X50-MM)	
	2B	1	487-4998	1	BUSHING	
	2C	1	517-1968	1	ROD-CONNECTING	
J	3	1	<i>536-6140</i>	4	PISTON GP	
J	4	1	096-0015	8	RING-RETAINING	
PARTS SHOWN IN GRAPHIC(S) WITHOUT A REFERENCE NUMBER ARE NOT SERVICED SEPARATELY						
AVAILABLE REPAIR KIT(S):						
J			565-1428	1	KIT-PISTON (STANDARD)	
ABJ			565-1430		KIT-PISTON (0.5-MM OS)	
(EACH KIT INCLUDES RINGS, PIN & PISTON)						
L			574-2670	1	KIT-BEARING (STANDARD)	
AB			574-2672		KIT-BEARING (0.25-MM US)	
AB			574-2674		KIT-BEARING (0.5-MM US)	
AB			574-2677		KIT-BEARING (0.75-MM US)	
(EACH KIT INCLUDES BEARINGS)						
			574-2678	1	KIT-RING (STANDARD)	
AB			574-2679		KIT-RING (0.5-MM OS)	
(EACH KIT INCLUDES RINGS)						
A - NOT PART OF THIS GROUP						
B - USE AS REQUIRED						
J - KIT MARKED J SERVICES PART(S) MARKED J						
L - KIT MARKED L SERVICES PART(S) MARKED L						
M - METRIC PART						

BASIC ENGINE

486-7497 PISTON & ROD GP (contd.)

i07817952



GRAPHIC #1

<END>

g06449627

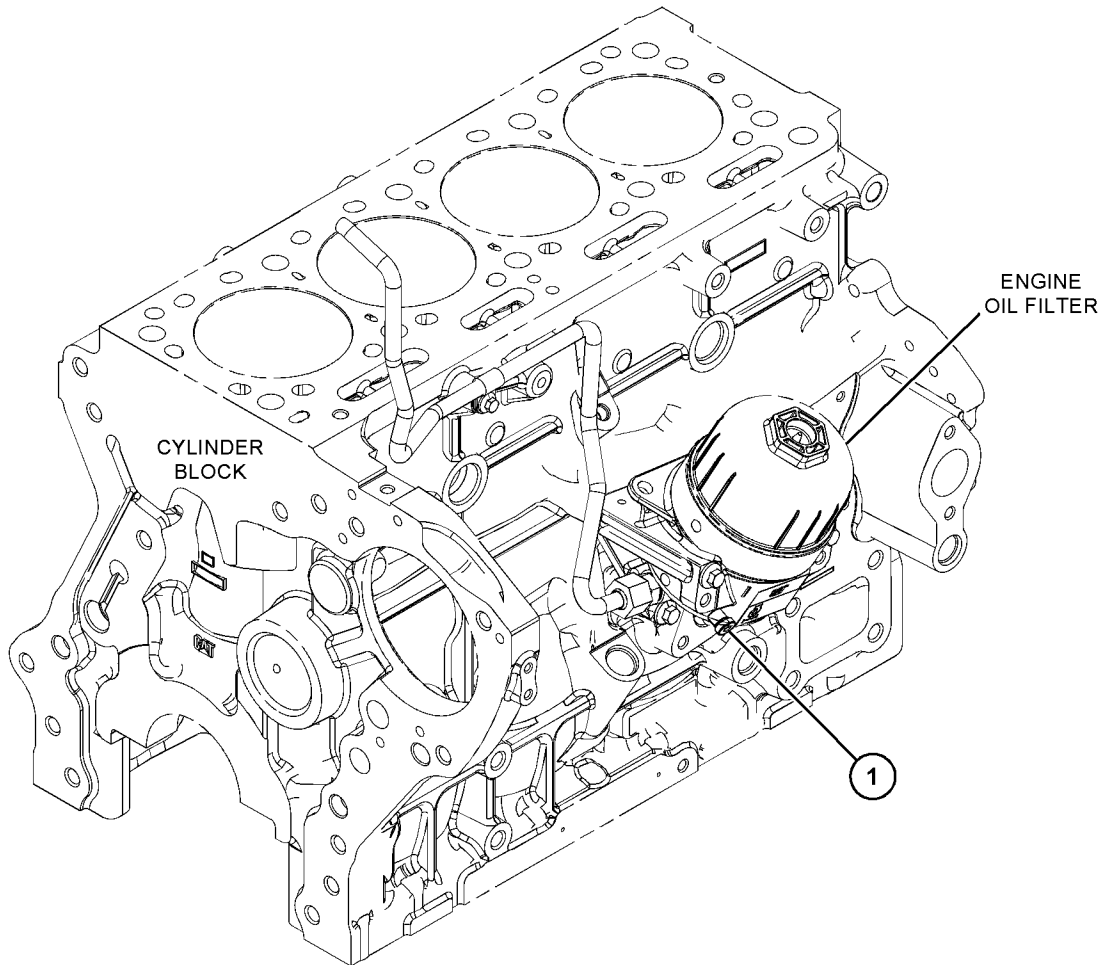
BASIC ENGINE

526-1948 PLUG GP-ENGINE PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1100, 1201

i07817969

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	277-4223	1	PLUG						



GRAPHIC #1

<END>

g06447177

BASIC ENGINE

506-5468 PULLEY GP-CRANKSHAFT

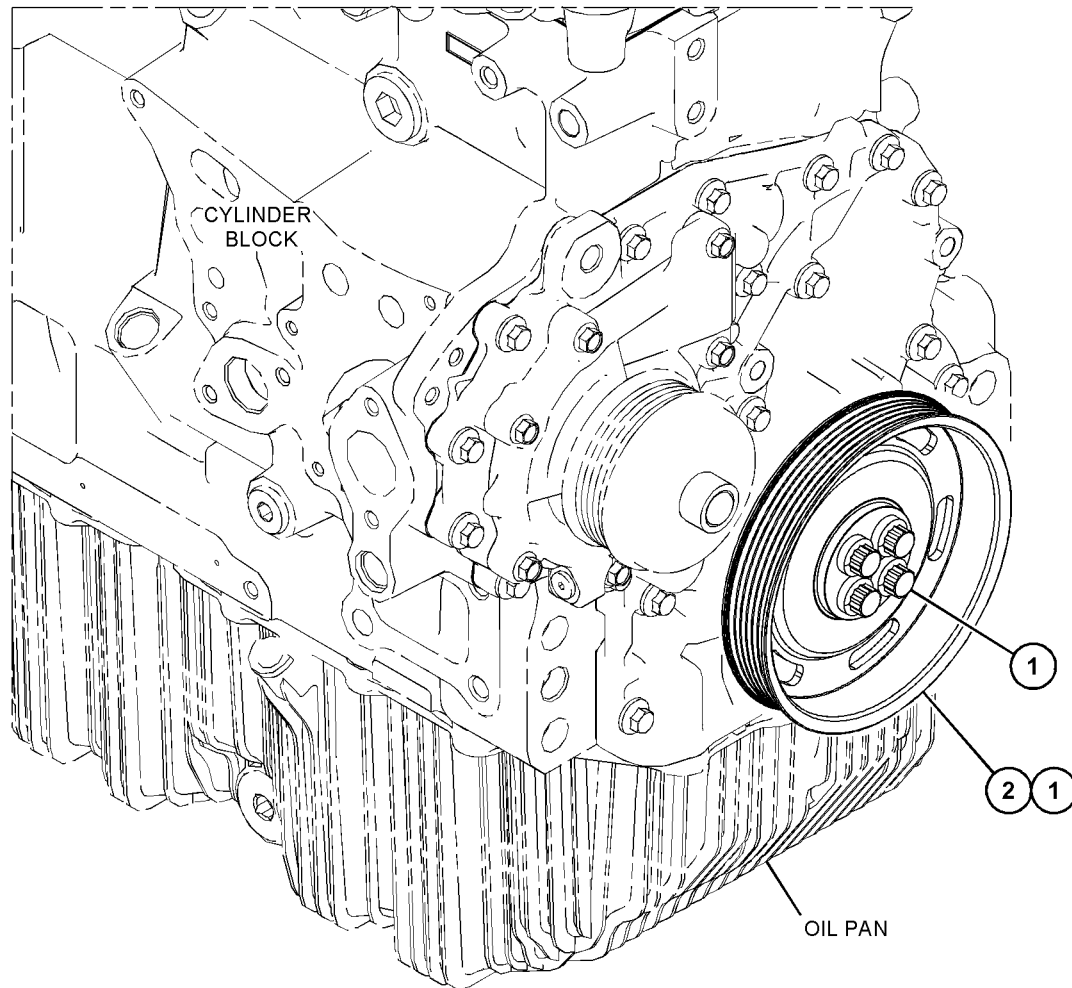
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1205

i07817953

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	201-2533	4	BOLT-12 POINT HEAD (M12X1.75X40-MM)						
	2	1	554-3635	1	PULLEY AS						

M - METRIC PART



GRAPHIC #1

<END>

g06449690

BASIC ENGINE

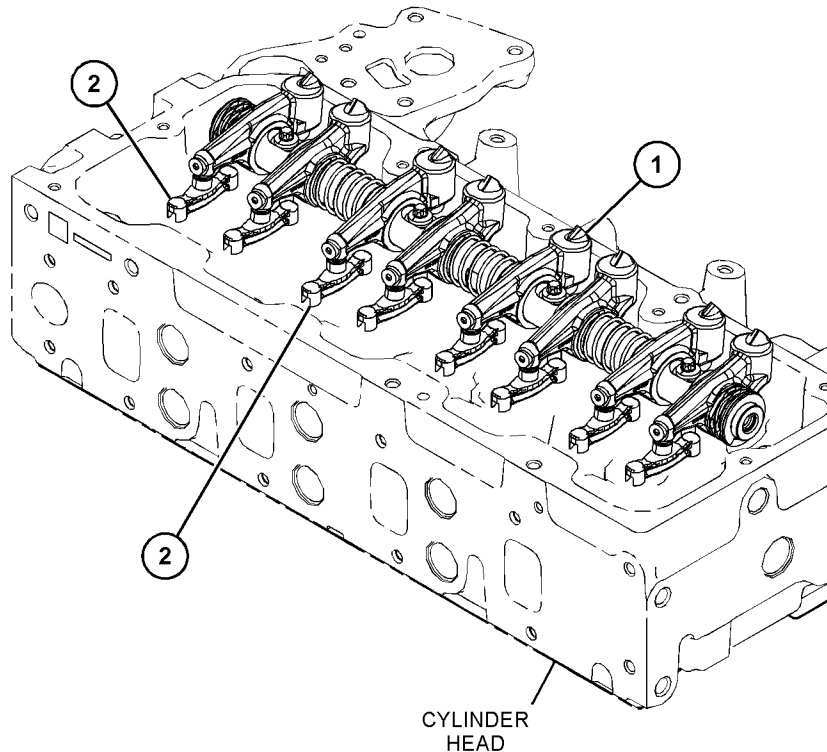
486-7579 ROCKER ARM GP PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1123

i07864307

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	566-6794	1	VALVE MECHANISM GP	36
	2	1	572-5889	8	BRIDGE-VALVE	

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06488838

BASIC ENGINE

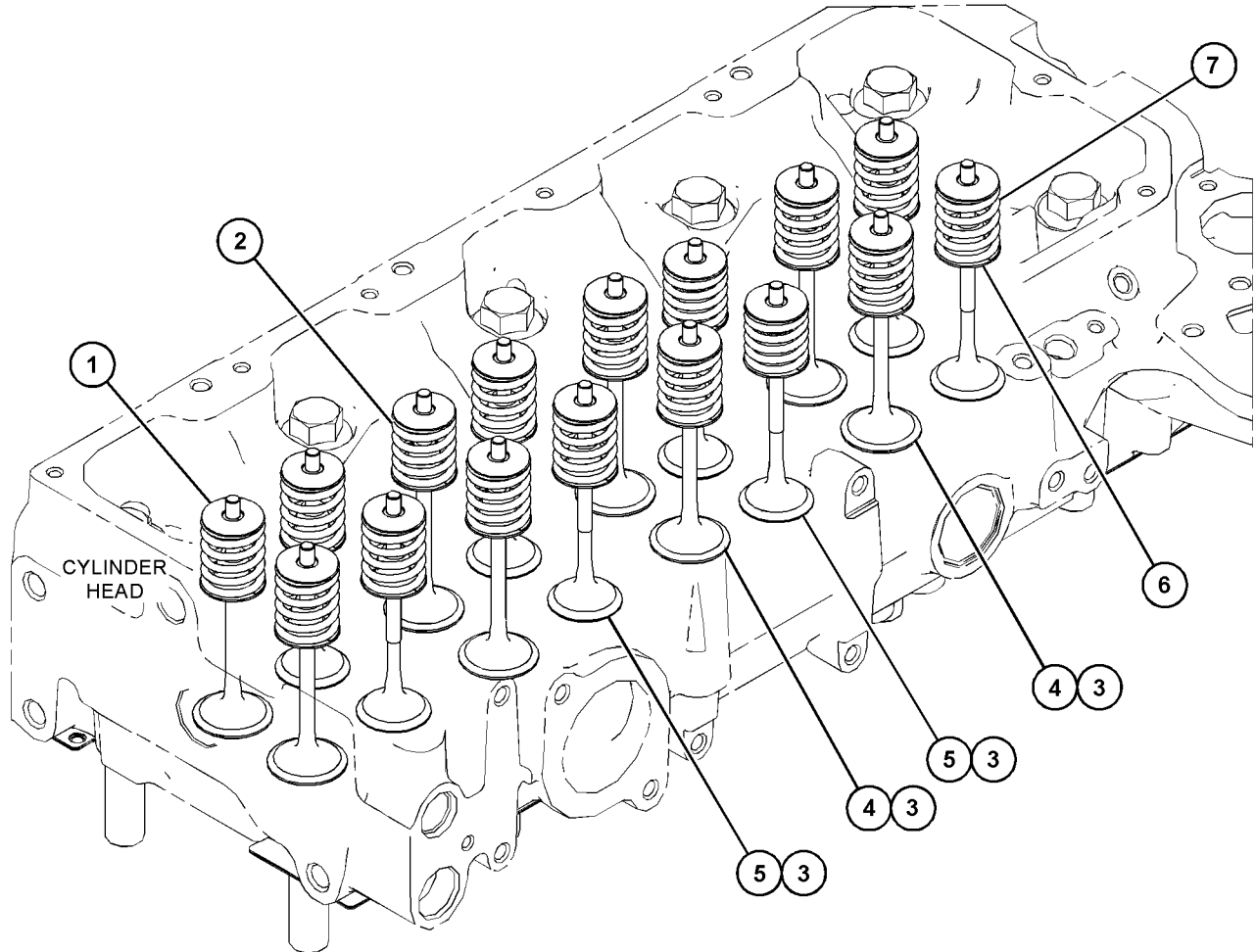
562-6382 VALVE GP-CYLINDER HEAD

PART OF 562-6379 CYLINDER HEAD GP

SMCS-1105

i07817163

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	276-8133	16	CAP-VALVE						
	2	1	436-0524	8	SPRING-VALVE (INTAKE)						
	3	1	276-8123	32	COTTER-CAP						
	4	1	488-1433	8	VALVE-INLET						
	5	1	488-1434	8	VALVE-EXHAUST						
	6	1	488-1895	16	SEAL-VALVE STEM						
	7	1	522-7345	8	SPRING-VALVE (EXHAUST)						



GRAPHIC #1

<END>

g06447309

BASIC ENGINE

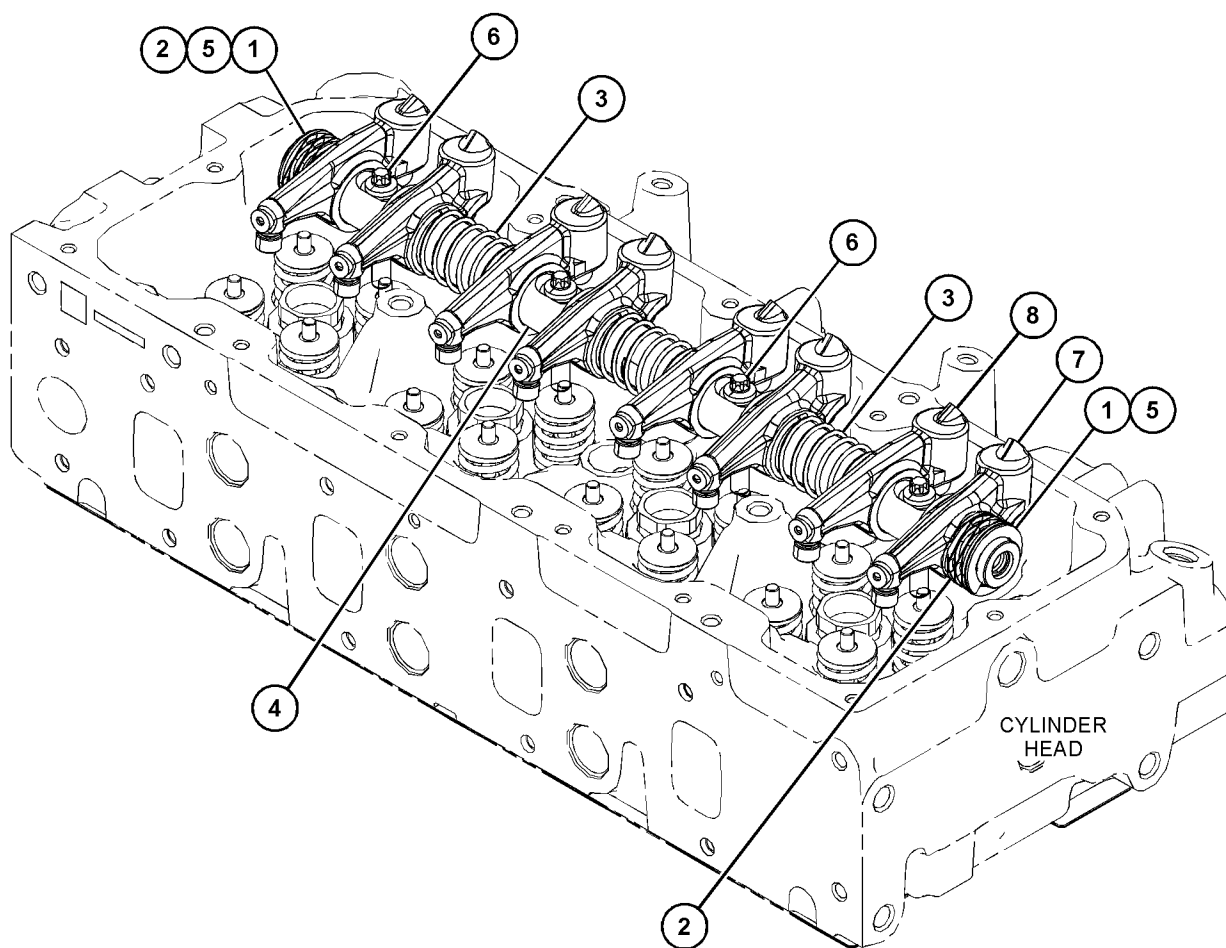
566-6794 VALVE MECHANISM GP

PART OF 486-7579 ROCKER ARM GP

SMCS-1102, 1121, 1123, 1209

i07818678

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	125-0965	2	RING-RETAINING						
	2	1	276-9207	2	SPRING-SHAFT						
	3	1	338-9595	3	SPRING-SHAFT						
	4	1	566-6793	1	SHAFT AS-ROCKER ARM						
		1	276-9200	2	PLUG-SHAFT END						
	5	1	574-2021	2	SHIM-WASHER (1.5-MM THK)						
	6	1	553-0231	4	BOLT (M8X1.25X50-MM)						
	7	1	570-3216	4	ROCKER ARM AS (INLET)						
	8	1	570-3217	4	ROCKER ARM AS (EXHAUST)						



GRAPHIC #1

<END>

g06449694

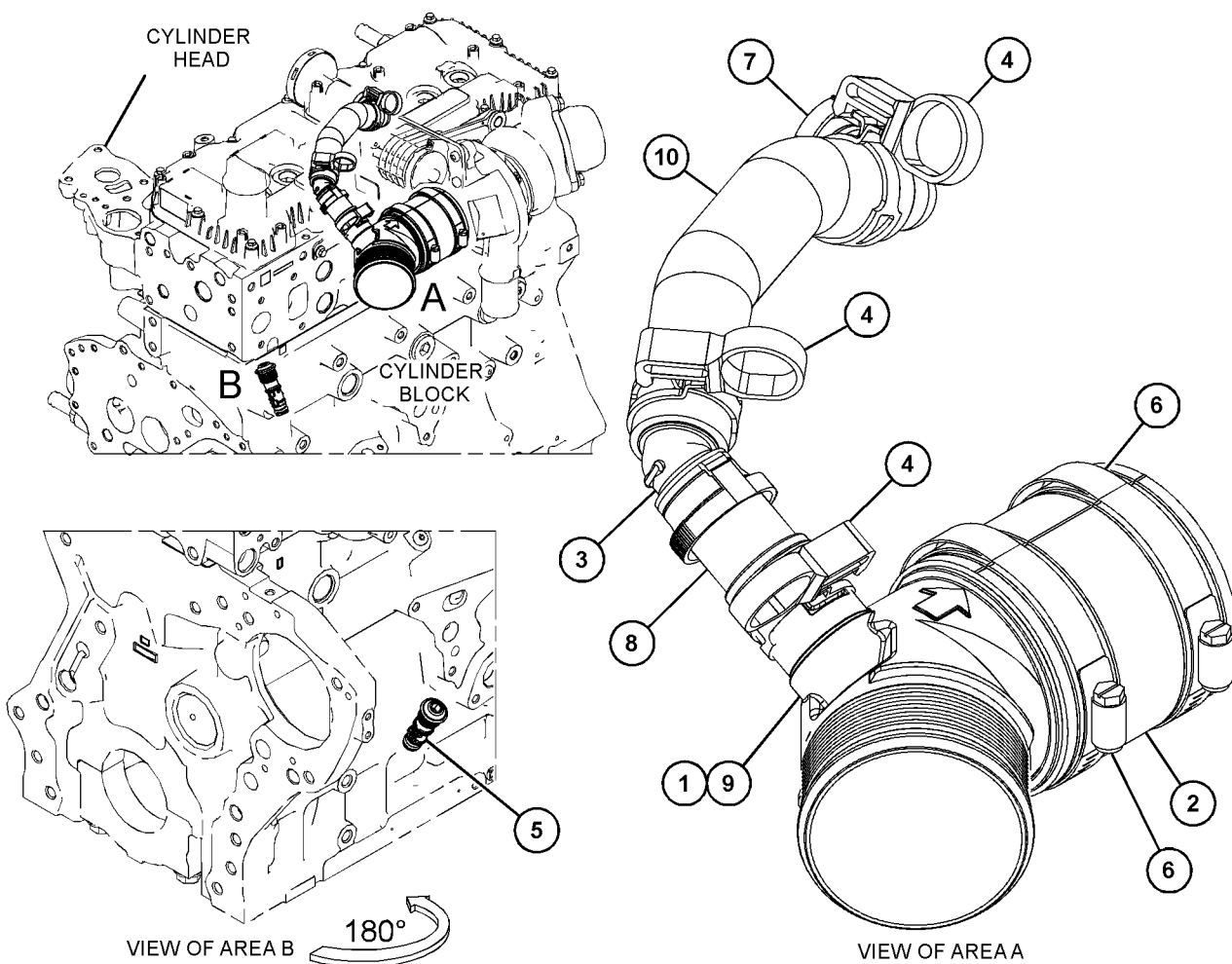
LUBRICATION SYSTEM

539-5492 BREATHER GP PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1317

i07817590

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	473-1422	1	BUSHING						
	2	1	510-7449	1	HOSE - AIR						
	3	1	515-9433	1	CONNECTOR						
	4	1	535-8384	3	CLAMP						
	5	1	536-0814	1	VALVE AS-CHECK						
	6	1	317-9229	2	CLAMP - HOSE						
	7	1	507-9254	1	CONNECTOR						
	8	1	570-6853	1	ADAPTER - AIR						
	9	1	570-7737	1	TUBE						
	10	1	572-4089	1	HOSE - AIR						



GRAPHIC #1

<END>

g06447197

LUBRICATION SYSTEM

487-4323 FILLER GP-ENGINE OIL

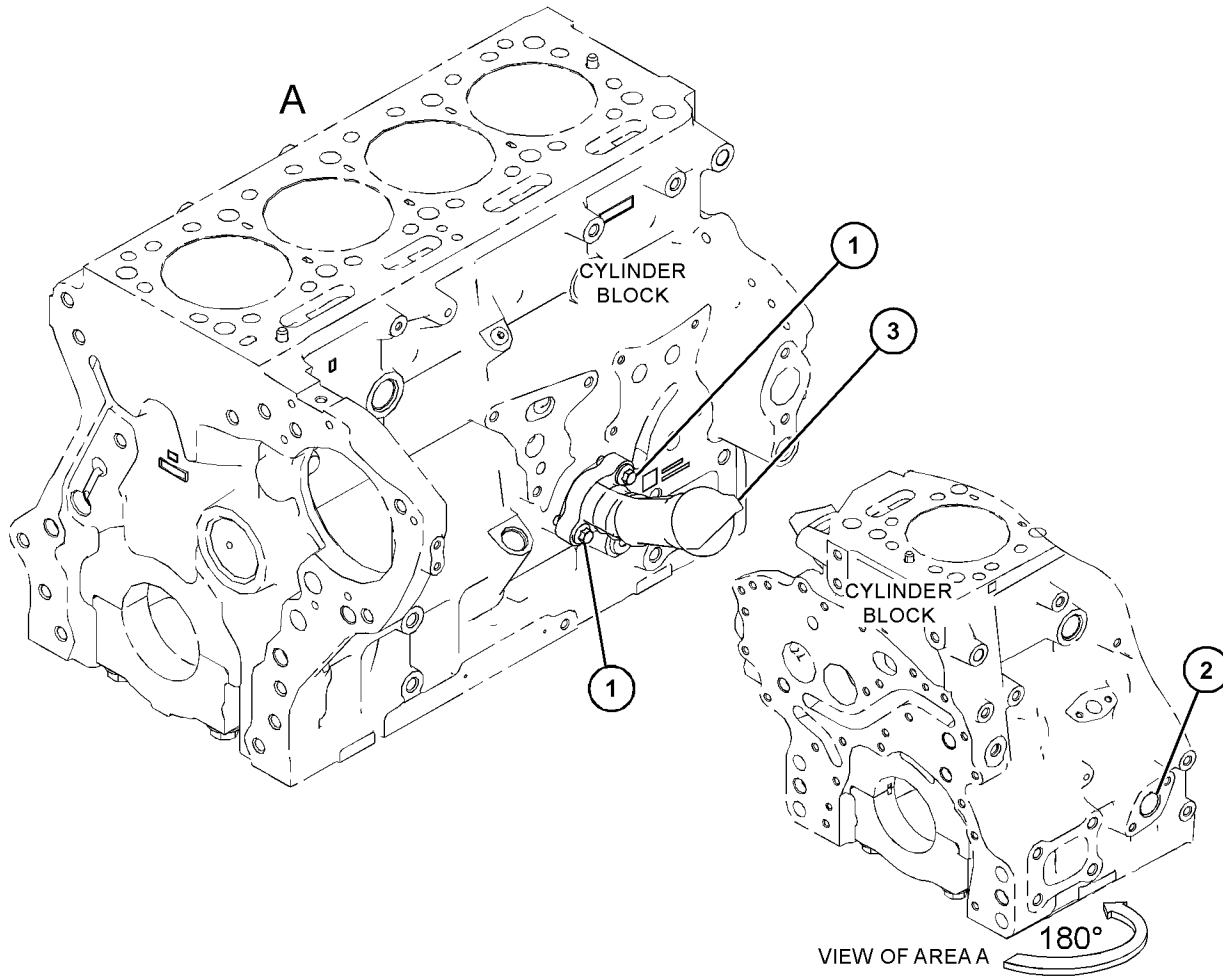
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1316

i07817790

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	61-0260	2	BOLT (M8X1.25X25-MM)						
	2	1	225-6524	1	PLUG-CUP						
	3	1	553-5236	1	FILLER GP-ENGINE OIL						
		1	234-6171	1	SEAL-O-RING						
		1	553-5227	1	FILLER AS-OIL						

M - METRIC PART



GRAPHIC #1

<END>

g06448992

LUBRICATION SYSTEM

546-3086 FILTER GP-ENGINE OIL

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

TYPE 1

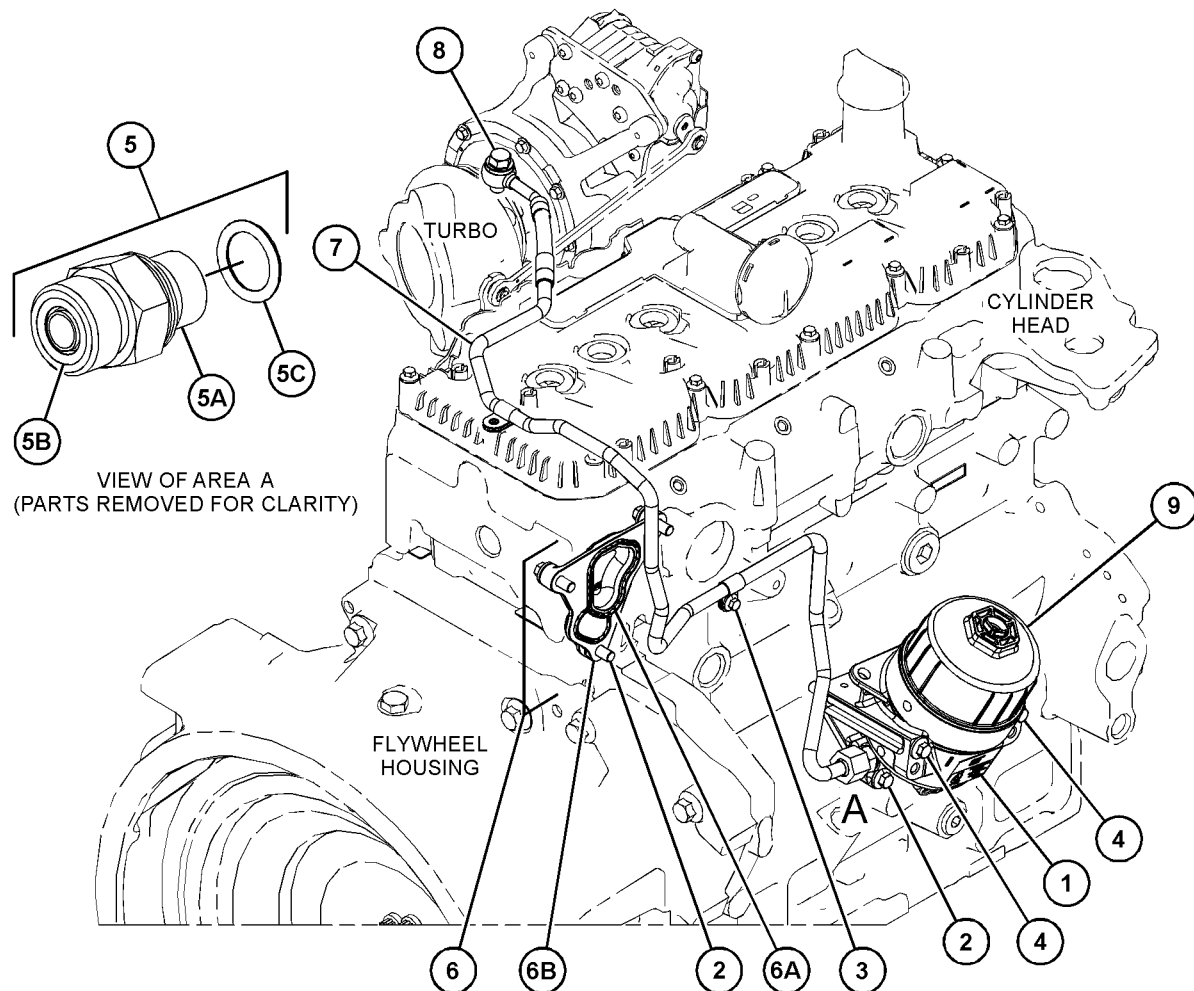
SMCS-1306, 1308

i07876256

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	561-4327	1	FILM-IDENTIFICATION (ENGINE OIL FILTER)	
M	2	1	6I-0260	4	BOLT (M8X1.25X25-MM)	
M	3	1	6I-0631	1	BOLT (M6X1X12-MM)	
M	4	1	103-5705	2	BOLT (M8X1.25X110-MM)	
	5	1	357-4390	1	CONNECTOR AS	
	5A	1	8T-7489	1	CONNECTOR	
	5B	1	228-7089	1	SEAL-O-RING	
	5C	1	228-7101	1	SEAL-O-RING	
	6	1	582-7955	1	PLATE AS	
	6A	1	512-7949	1	SEAL	
	6B	1	582-7940	1	PLATE	
Y	7	1	544-9836	1	HOSE & TUBE AS	86
M	8	1	457-8672	1	BOLT (M10X1X22-MM)	
Y	9	1	559-7823	1	FILTER GP-ENGINE OIL	41

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06492470

LUBRICATION SYSTEM

546-3086 FILTER GP-ENGINE OIL

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY
TYPE 2

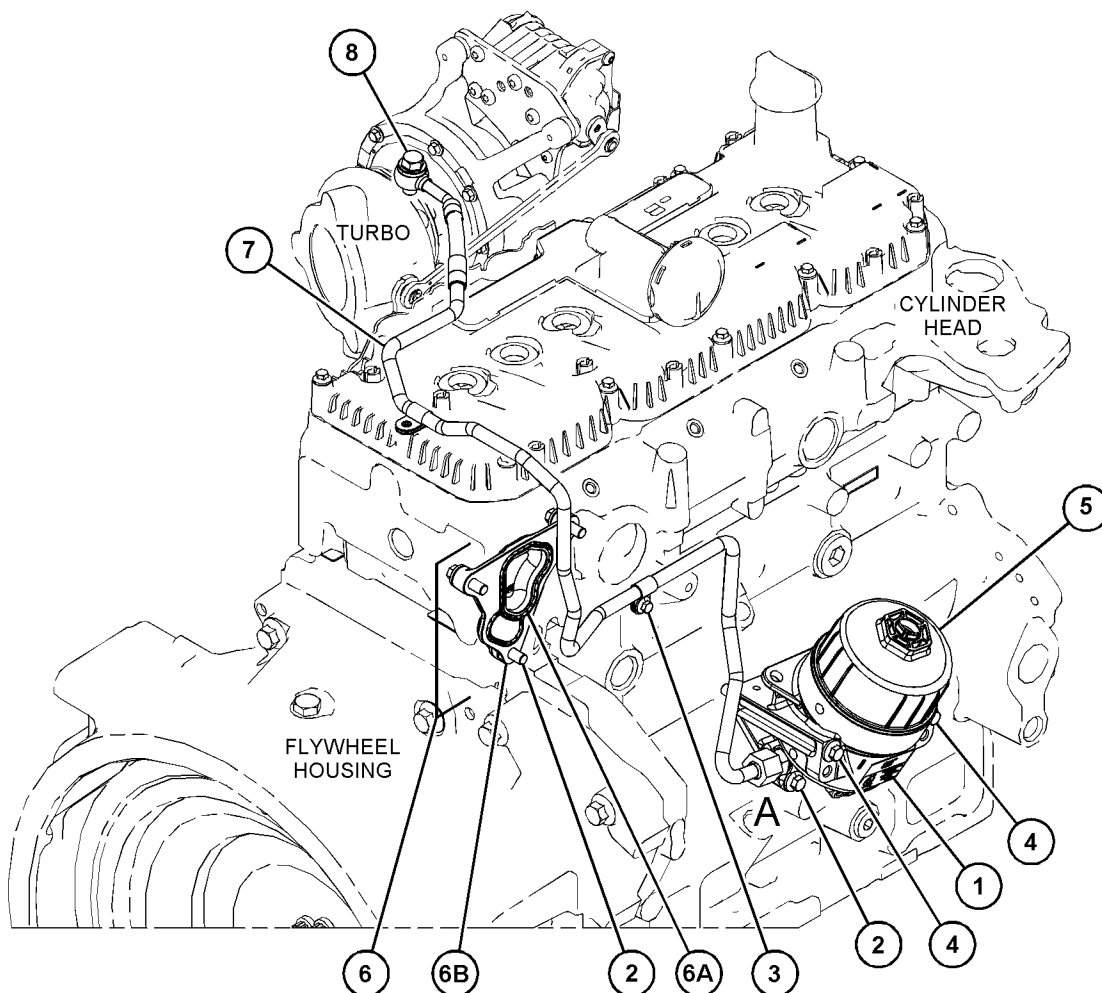
SMCS-1306, 1308

i07996205

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	561-4327	1	FILM-IDENTIFICATION (ENGINE OIL FILTER)	
M	2	1	6I-0260	4	BOLT (M8X1.25X25-MM)	
M	3	1	6I-0631	1	BOLT (M6X1X12-MM)	
M	4	1	103-5705	2	BOLT (M8X1.25X110-MM)	
Y	5	1	559-7823	1	FILTER GP-ENGINE OIL	41
	6	1	582-7955	1	PLATE AS	
	6A	1	512-7949	1	SEAL	
	6B	1	582-7940	1	PLATE	
Y	7	1	544-9836	1	HOSE & TUBE AS	86
M	8	1	457-8672	1	BOLT (M10X1X22-MM)	

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06506006

LUBRICATION SYSTEM

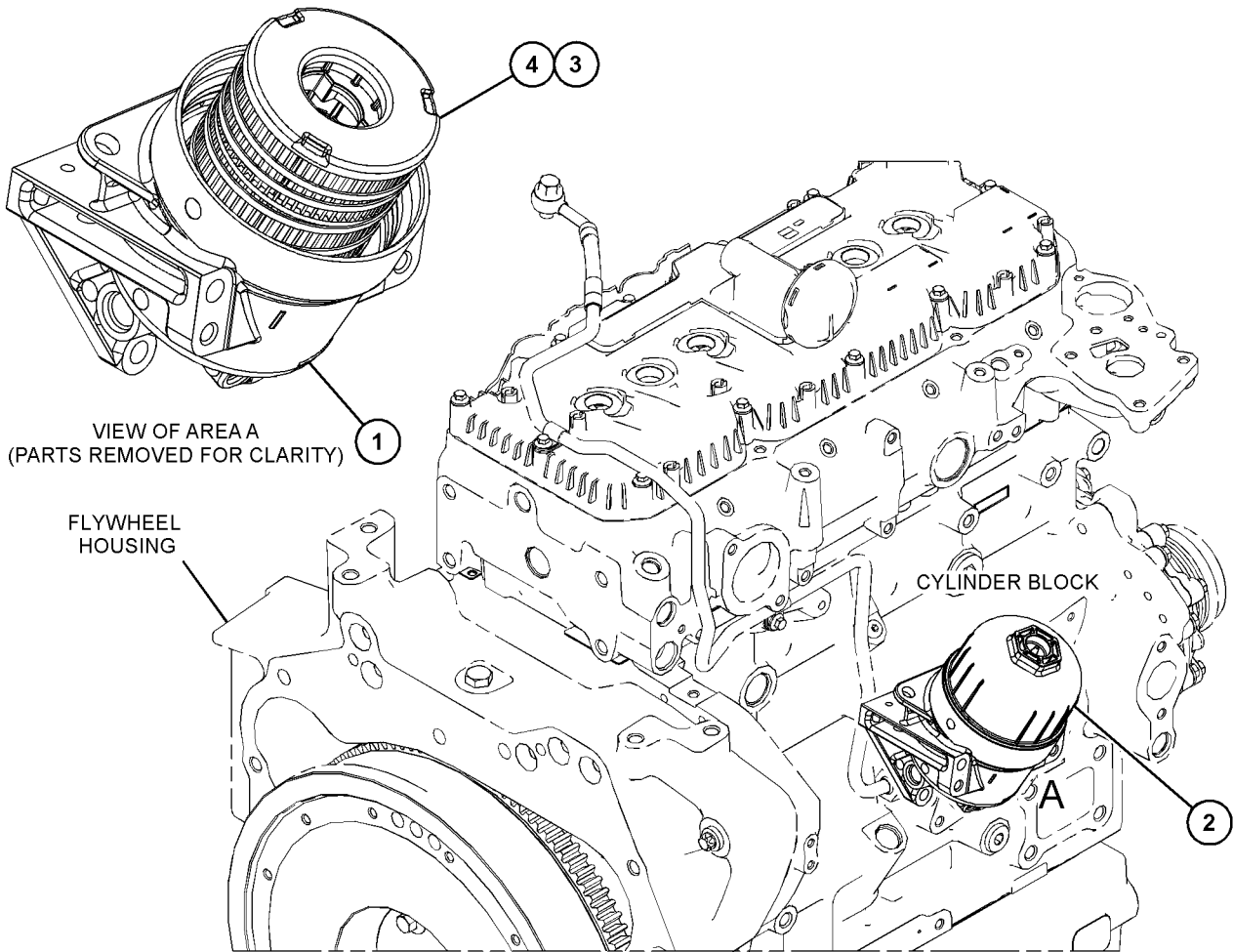
559-7823 FILTER GP-ENGINE OIL

PART OF 546-3086 FILTER GP-ENGINE OIL

SMCS-1306, 1308

i07824431

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	561-9653	1	HEAD AS-OIL FILTER						
		1	512-6743	1	SEAL						
2		1	561-9755	1	CAP AS						
		1	6V-8002	1	SEAL-O-RING						
3		1	561-9757	1	VALVE GP-CHECK						
		1	5P-7530	1	SEAL-O-RING						
		1	111-8233	1	SPRING						
4		1	569-8036	1	KIT-ELEMENT (LUBE)						
(INCLUDES ELEMENT AS & SEAL-O-RING)											



GRAPHIC #1

<END>

g06448257

LUBRICATION SYSTEM

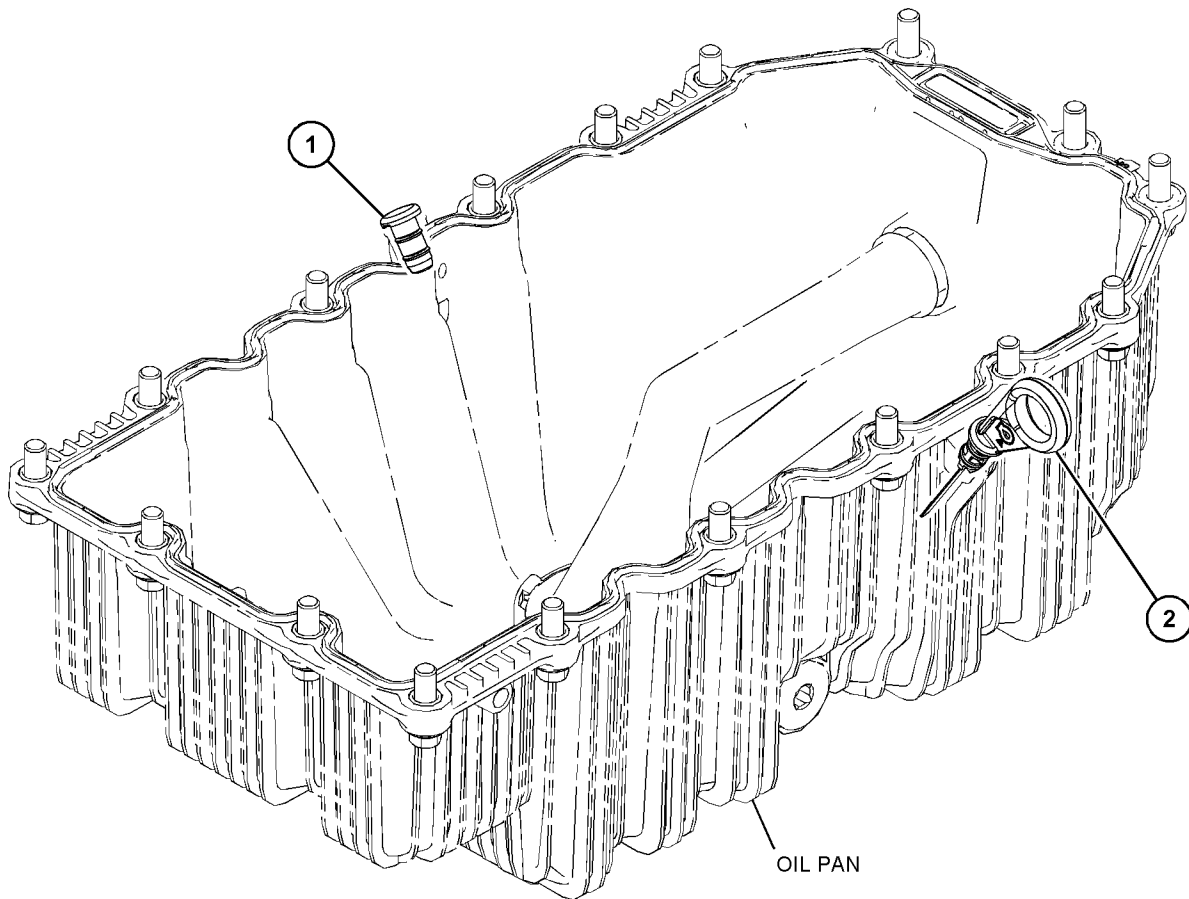
512-6384 GAUGE GP-OIL LEVEL (DIPSTICK)

PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1326

i07817887

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	514-1720	1	GAUGE AS-PLUG						
		1	228-7089	2	SEAL-O-RING						
2		1	551-6593	1	GAUGE AS-OIL LEVEL (DIPSTICK)						
		1	464-0509	2	SEAL-O-RING						



GRAPHIC #1

<END>

g06448252

LUBRICATION SYSTEM

526-9119 GAUGE GP-OIL LEVEL (DIPSTICK)

PART OF 571-0221 ENGINE AR-PRIMARY

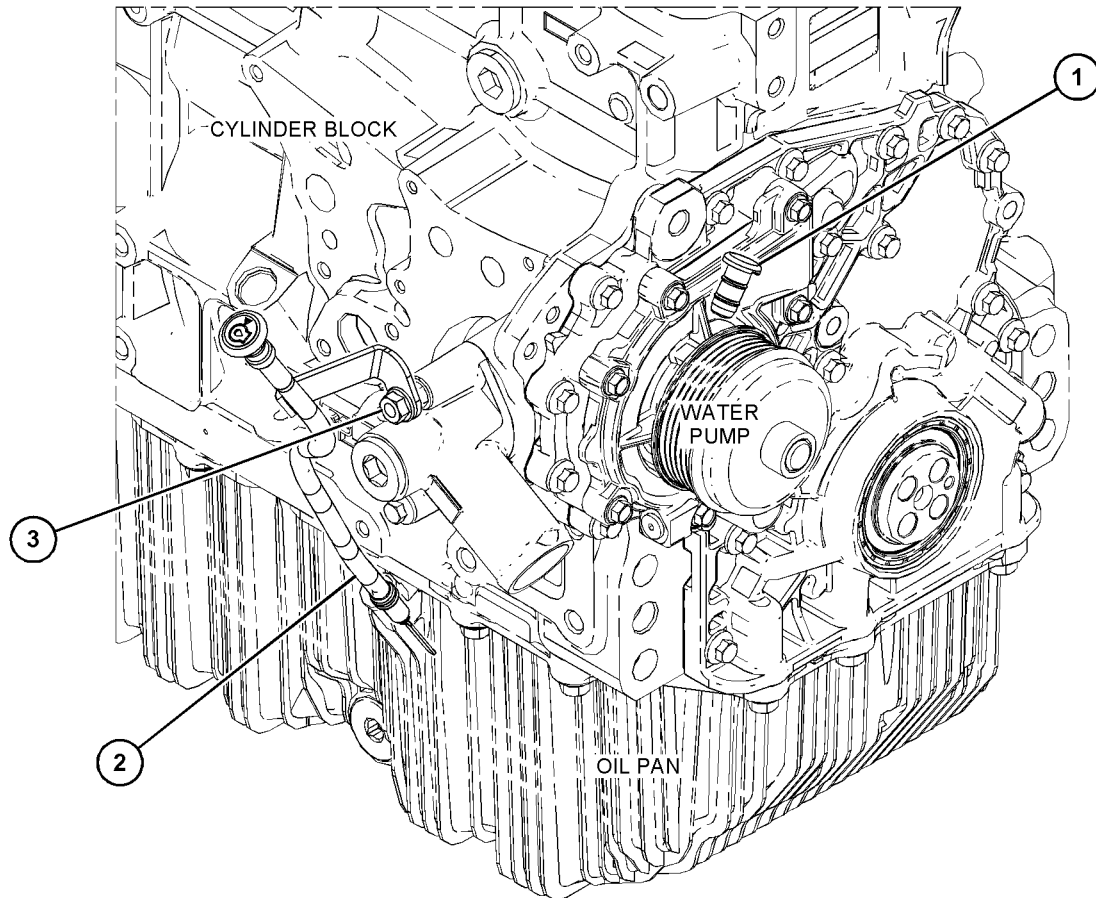
SMCS-1326

i07999975

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	514-1720	1	GAUGE AS-PLUG	
		1	228-7089	2	SEAL-O-RING	
Y	2	1	563-5121	1	GAUGE GP-OIL LEVEL (DIPSTICK)	44
M	3	1	178-3336	1	NUT-HEX FLANGE (M8X1.25-THD)	

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06504088

LUBRICATION SYSTEM

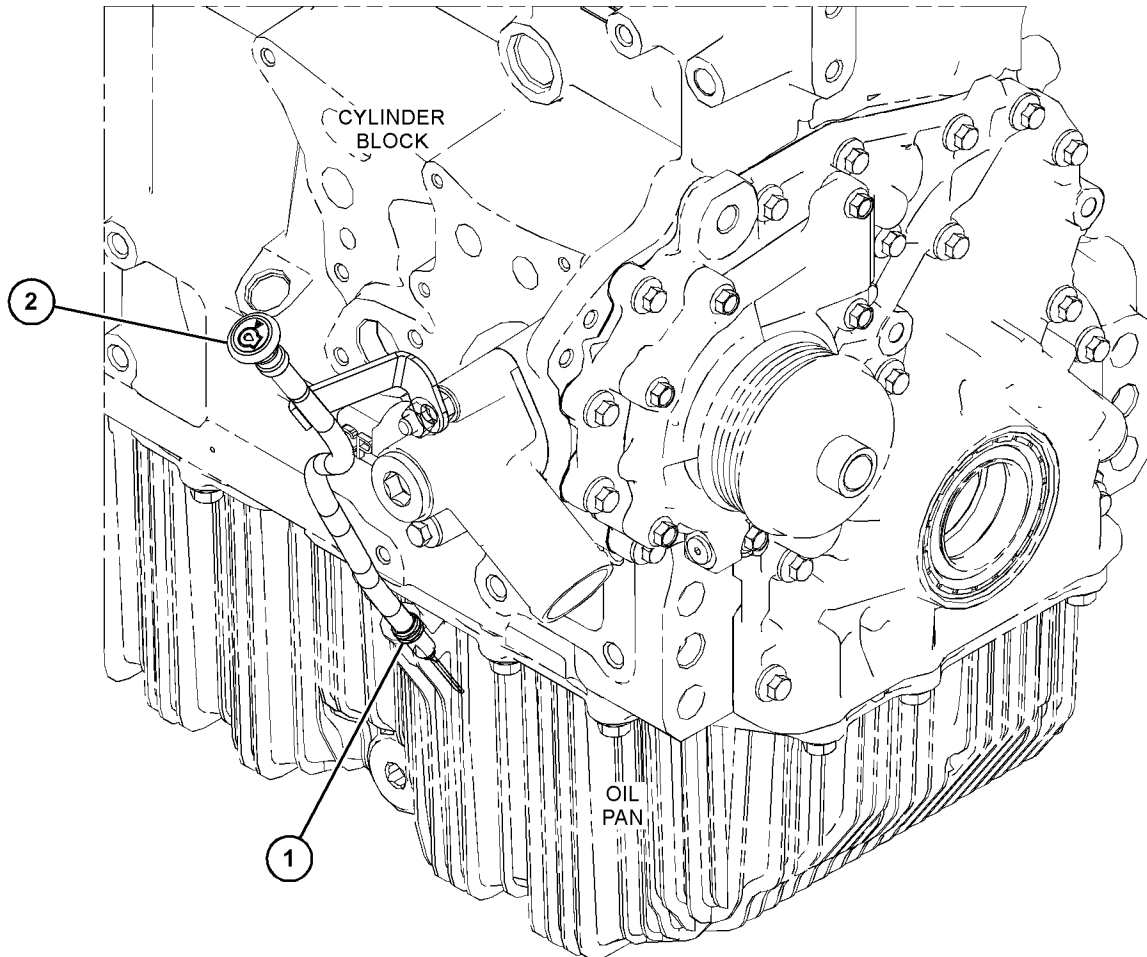
563-5121 GAUGE GP-OIL LEVEL (DIPSTICK)

PART OF 526-9119 GAUGE GP-OIL LEVEL (DIPSTICK)

SMCS-1326

i07990078

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	228-7089	2	SEAL-O-RING						
	2	1	563-5124	1	GAUGE AS-OIL LEVEL (DIPSTICK)						
		1	275-9891	2	SEAL-O-RING						



GRAPHIC #1

<END>

g06501267

LUBRICATION SYSTEM

507-5225 PUMP GP-ENGINE OIL

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

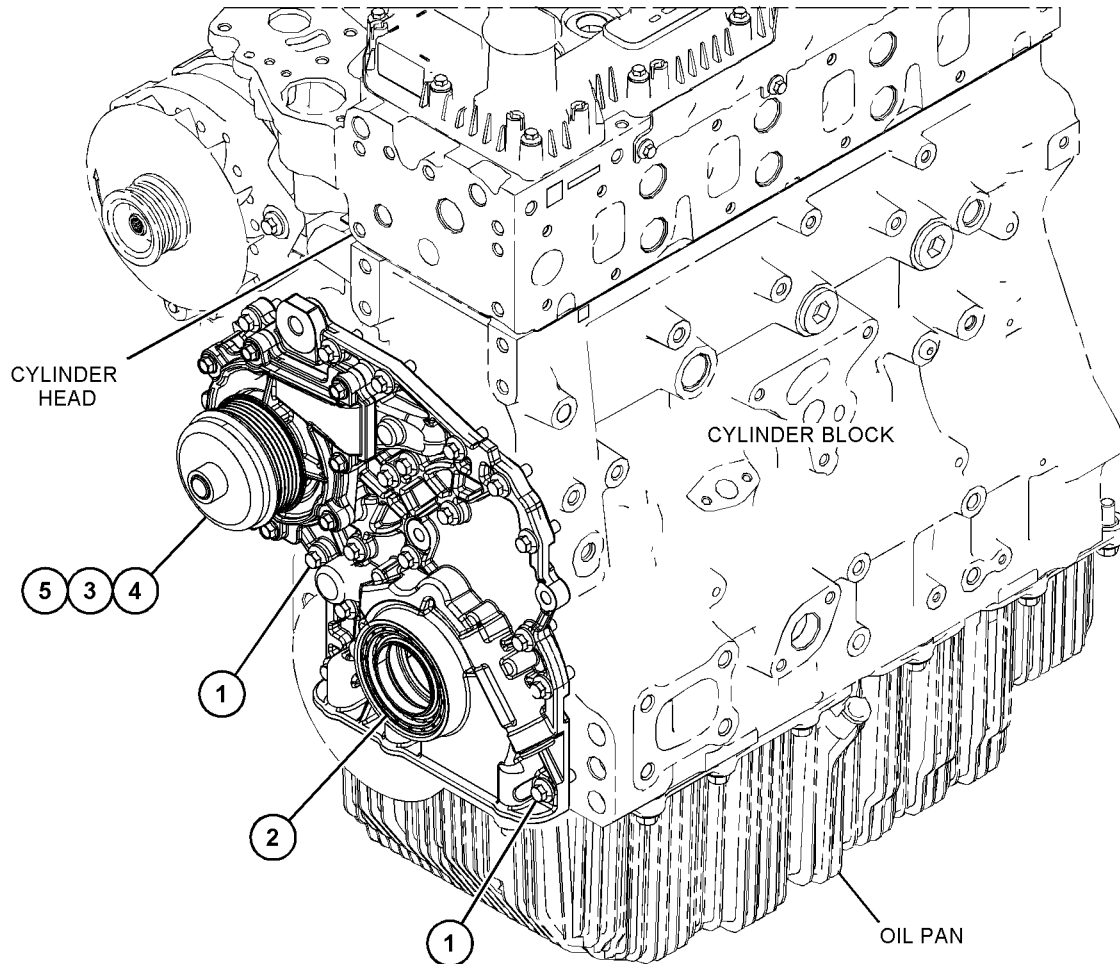
SMCS-1304, 1315

i07868429

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
M	1	1	6I-0260	20	BOLT (M8X1.25X25-MM)	
	2	1	579-5011	1	SEAL AS	
	3	1	566-5957	1	GASKET	
Y	4	1	<i>542-1071</i>	1	PUMP GP-WATER	50
	5	1	339-8780	2	DOWEL	

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06449168

COOLING SYSTEM

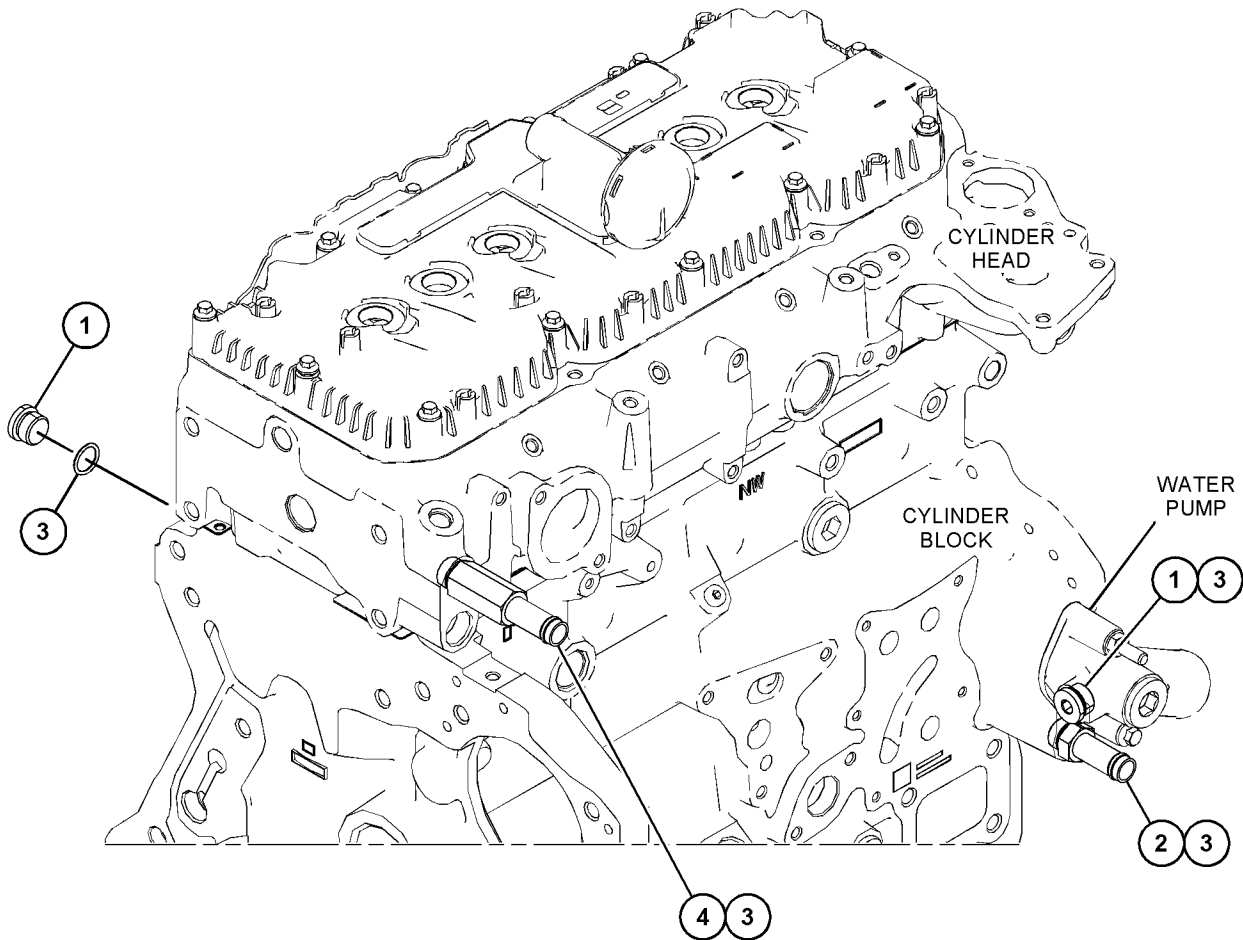
546-3089 ADAPTER GP-WATER LINES

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1380

i07817194

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	9S-8005	2	PLUG (3/4-16-THD)						
	2	1	168-8806	1	CONNECTOR						
	3	1	6V-6609	4	SEAL-O-RING						
	4	1	559-2655	1	ADAPTER						



GRAPHIC #1

<END>

g06449688

COOLING SYSTEM

550-1384 CONNECTION GP-WATER

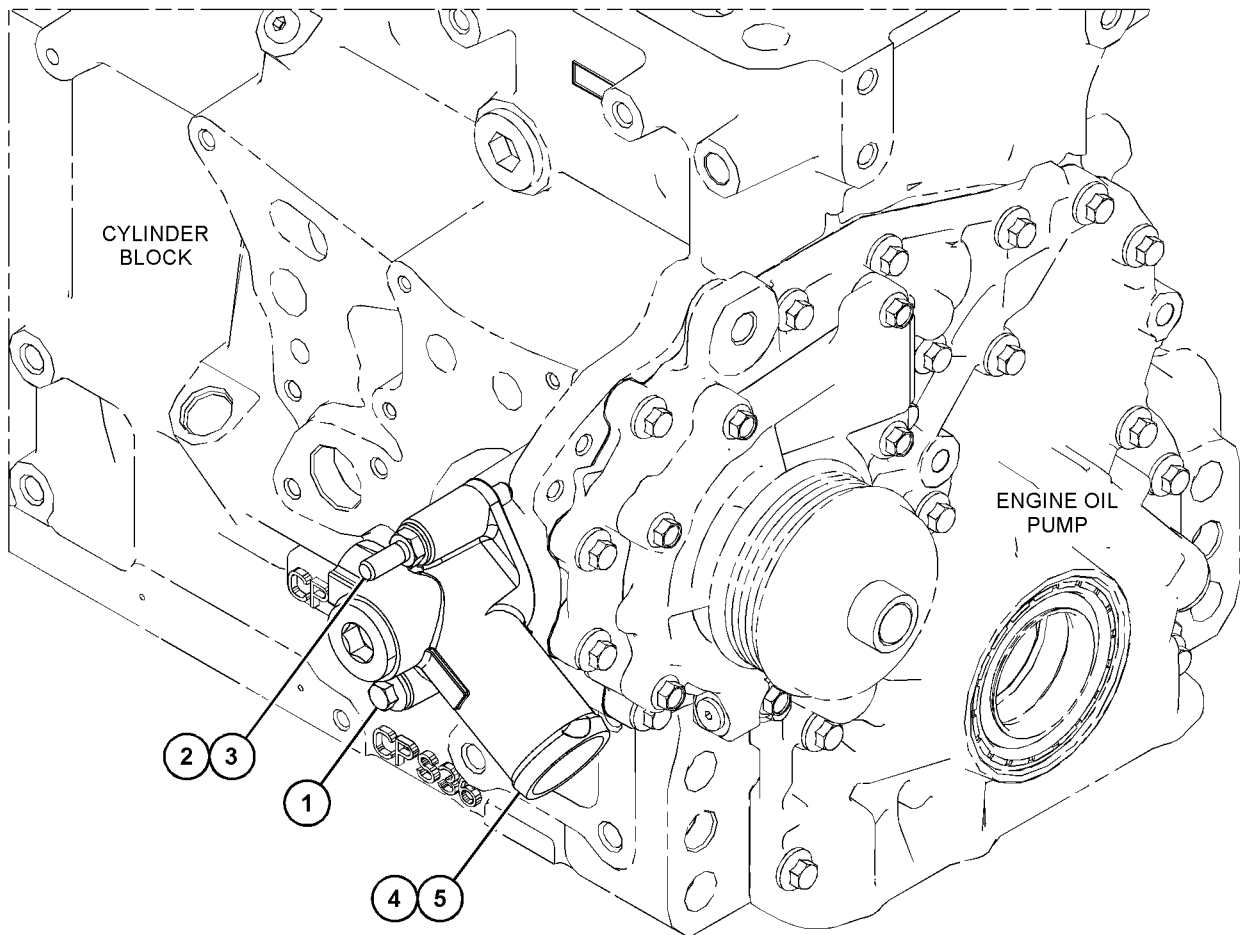
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1380

i07817592

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	6I-4374	1	BOLT (M8X1.25X60-MM)						
	2	1	7W-2632	1	WASHER (8.5X16.8X1.6-MM THK)						
M	3	1	211-3445	1	STUD (M8X1.25X75-MM)						
	4	1	499-0688	1	GASKET						
	5	1	541-0936	1	CONNECTION GP-WATER						
		1	3D-2824	1	SEAL-O-RING						
		1	9S-8008	1	PLUG (1-1/16-12-THD)						

M - METRIC PART



GRAPHIC #1

<END>

g06446853

COOLING SYSTEM

514-7381 COOLER GP-ENGINE OIL

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

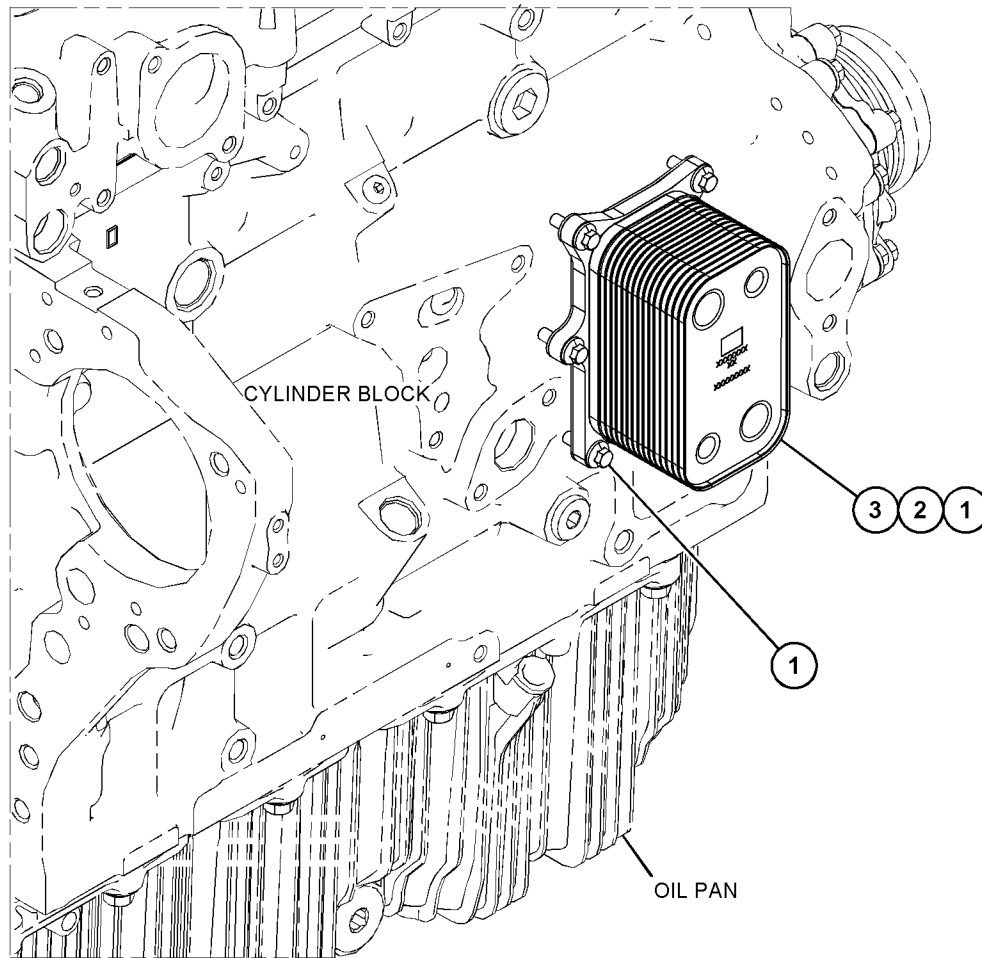
SMCS-1378

i07817596

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
MR	1	1	100-4838	5	BOLT (M6X1X20-MM)						
	2	1	514-1502	1	GASKET						
	3	1	528-6003	1	COOLER-OIL						

M - METRIC PART

R - REMANUFACTURED PART MAY BE AVAILABLE



GRAPHIC #1

<END>

g06447229

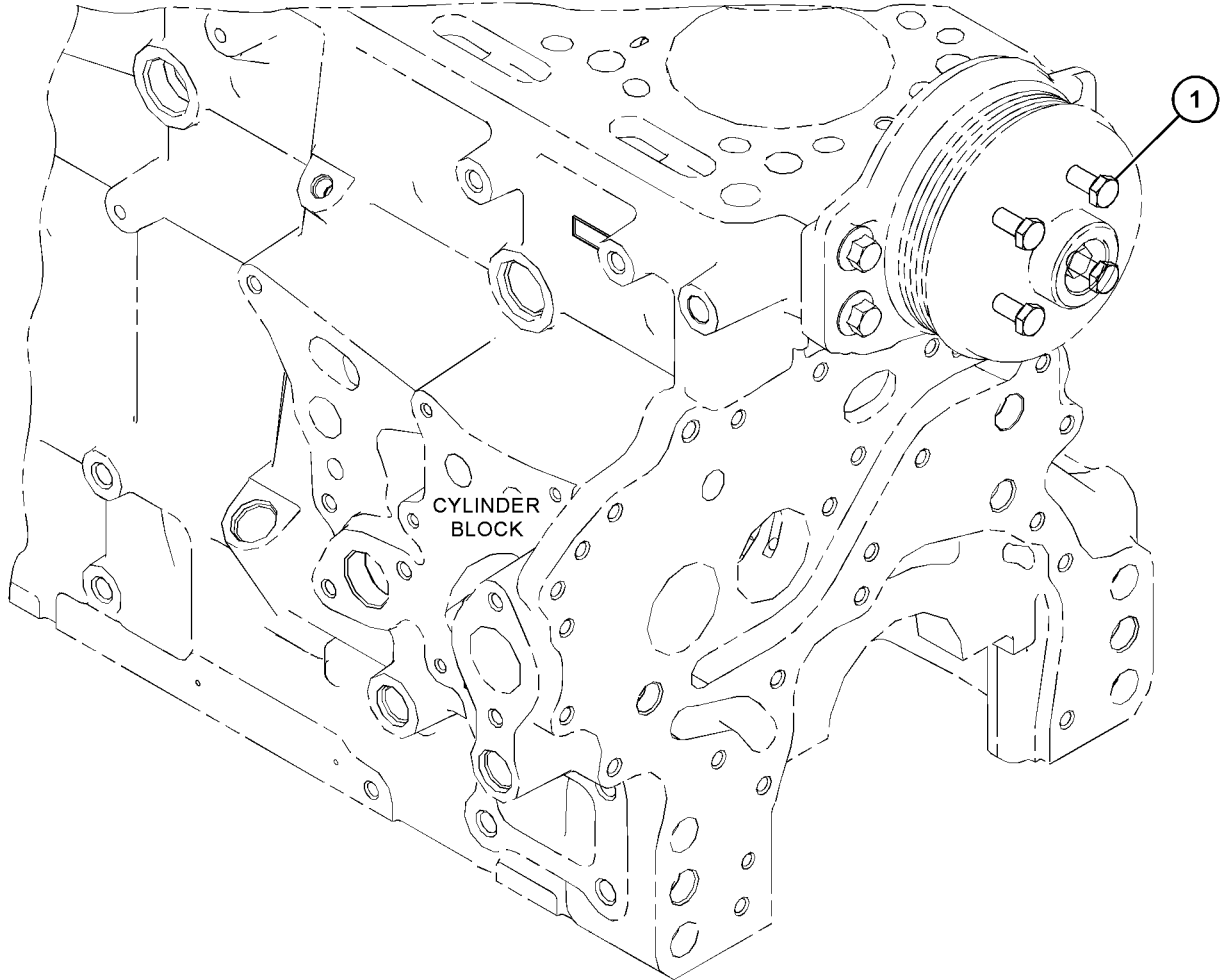
COOLING SYSTEM

509-6448 MOUNTING GP-FAN PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1356

i07817789

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	516-2566	4	BOLT						



GRAPHIC #1

<END>

g06449501

COOLING SYSTEM

542-1071 PUMP GP-WATER

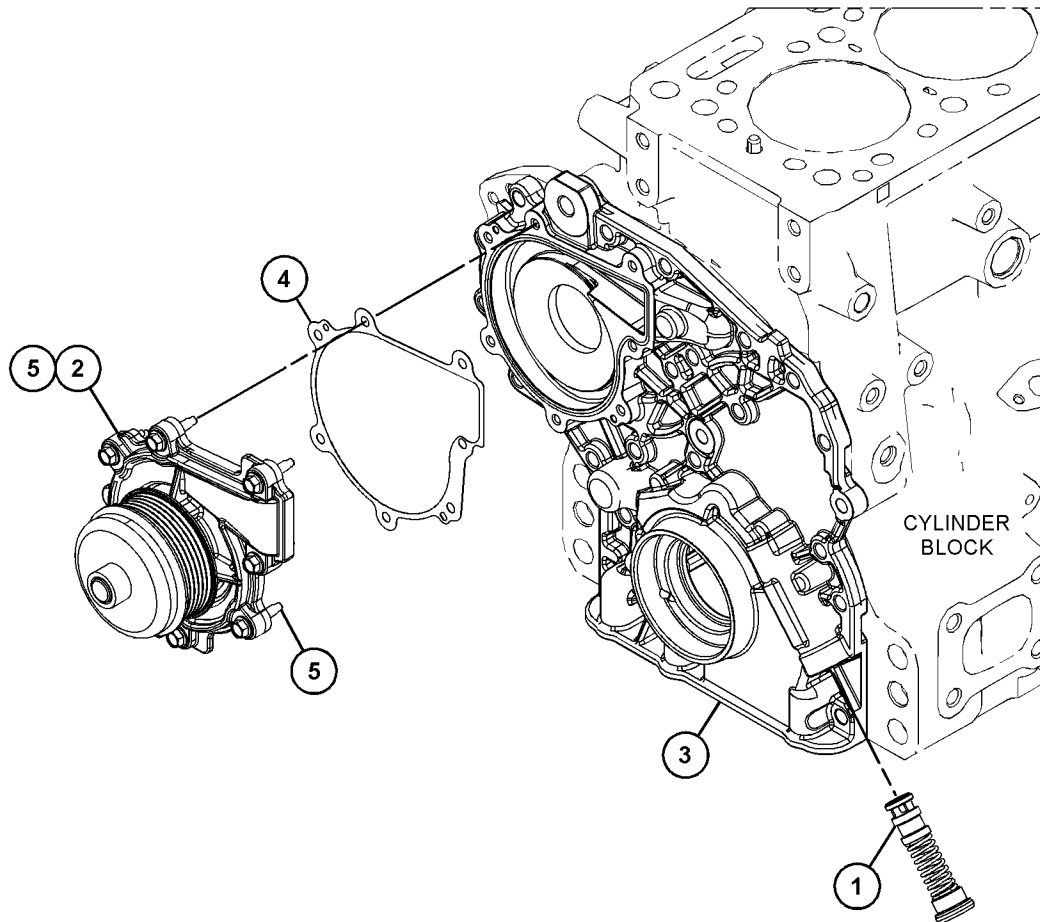
PART OF 507-5225 PUMP GP-ENGINE OIL

SMCS-1361

i07876705

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	513-9222	1	VALVE AS-RELIEF (PRESSURE)						
	2	1	533-5882	1	PUMP AS-WATER						
	3	1	542-1070	1	HOUSING AS-PUMP						
	4	1	548-7642	1	GASKET AS						
M	5	1	556-0383	7	BOLT (M6X1X30.65-MM)						

M - METRIC PART



GRAPHIC #1

<END>

g06449689

COOLING SYSTEM

487-4342 REGULATOR GP-TEMPERATURE

FOR USE WITH COMPACT-X APPLICATIONS
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

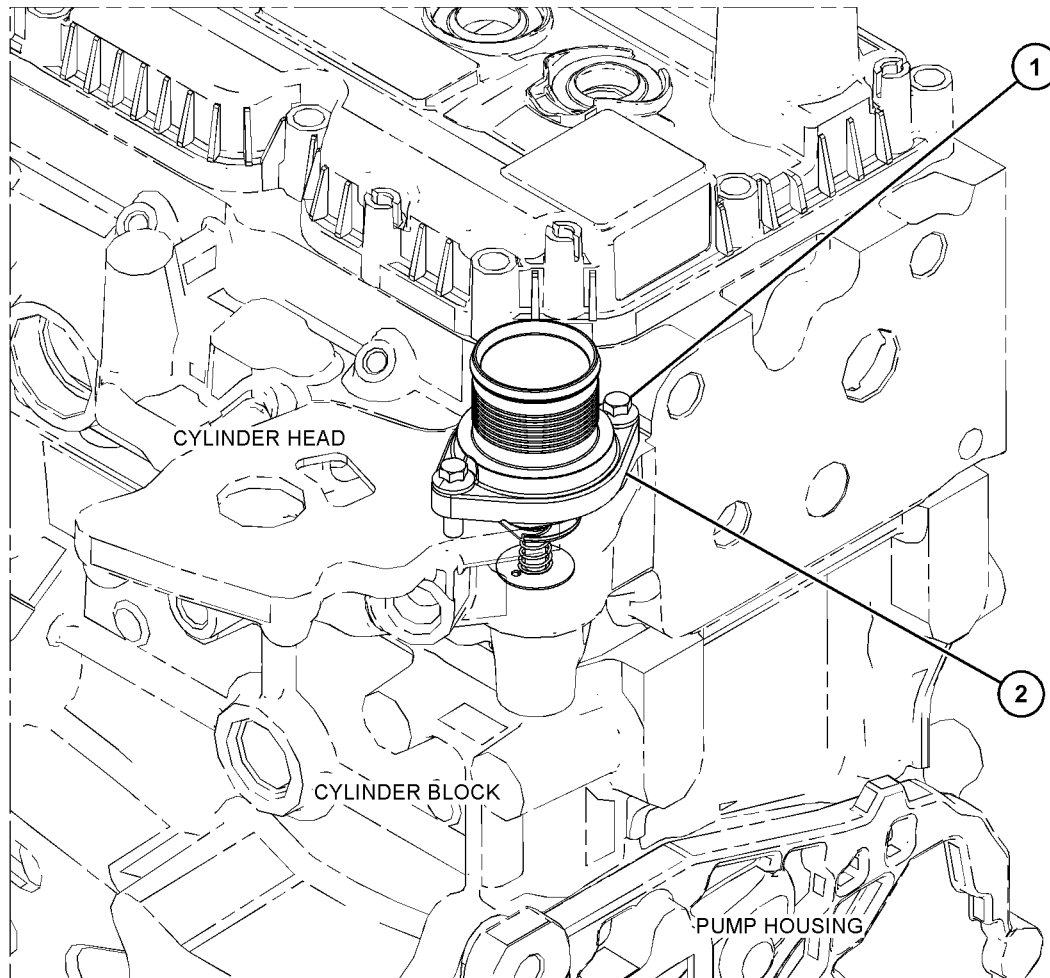
SMCS-1355

i07868117

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
MR	1	1	100-4838	2	BOLT (M6X1X20-MM)						
	2	1	552-4797	1	THERMOSTAT AS						

M - METRIC PART

R - REMANUFACTURED PART MAY BE AVAILABLE



GRAPHIC #1

<END>

g06463777

AIR INLET AND EXHAUST SYSTEM

544-9965 ADAPTER GP-EXHAUST

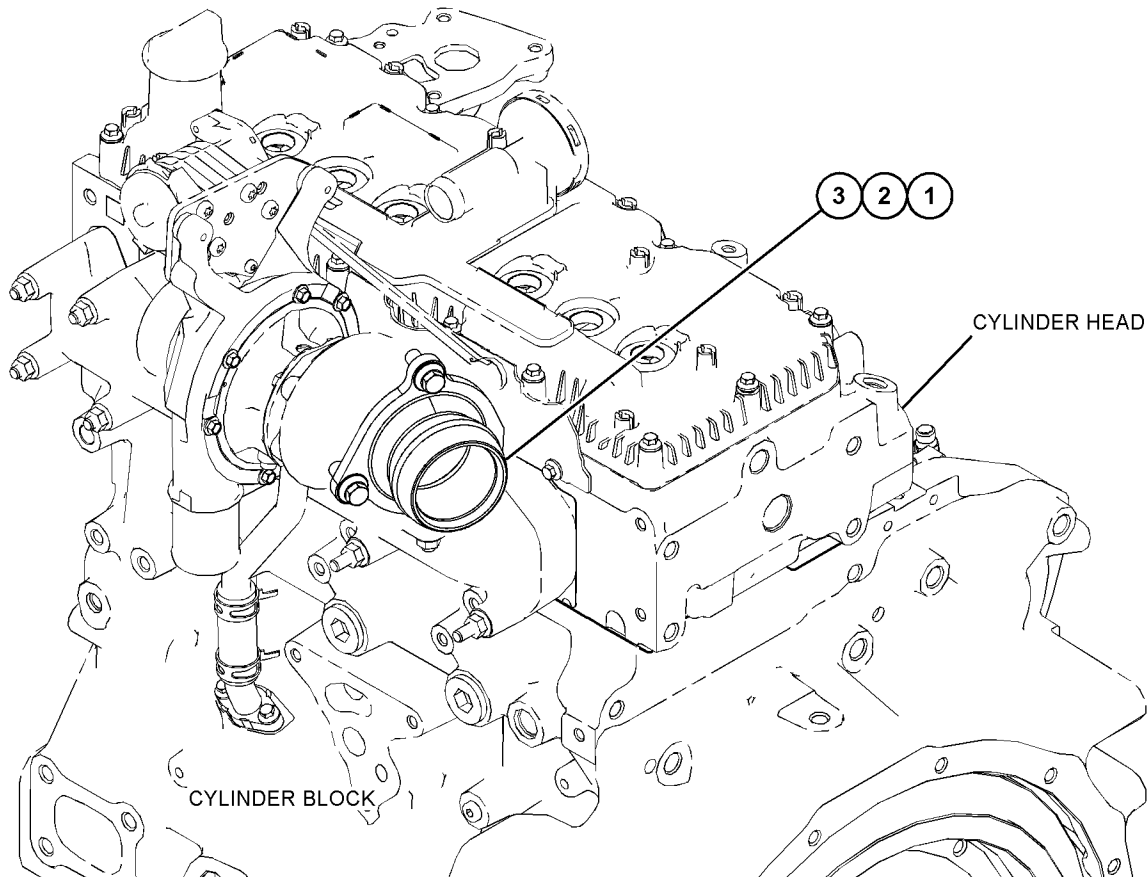
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1061

i07817775

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
M	1	1	6I-0654	3	BOLT (M10X1.5X25-MM)	
	2	1	346-6185	1	GASKET	
	3	1	564-9913	1	ADAPTER-EXHAUST	

M - METRIC PART



GRAPHIC #1

<END>

g06447462

AIR INLET AND EXHAUST SYSTEM

540-3082 CONTROL GP-AIR PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

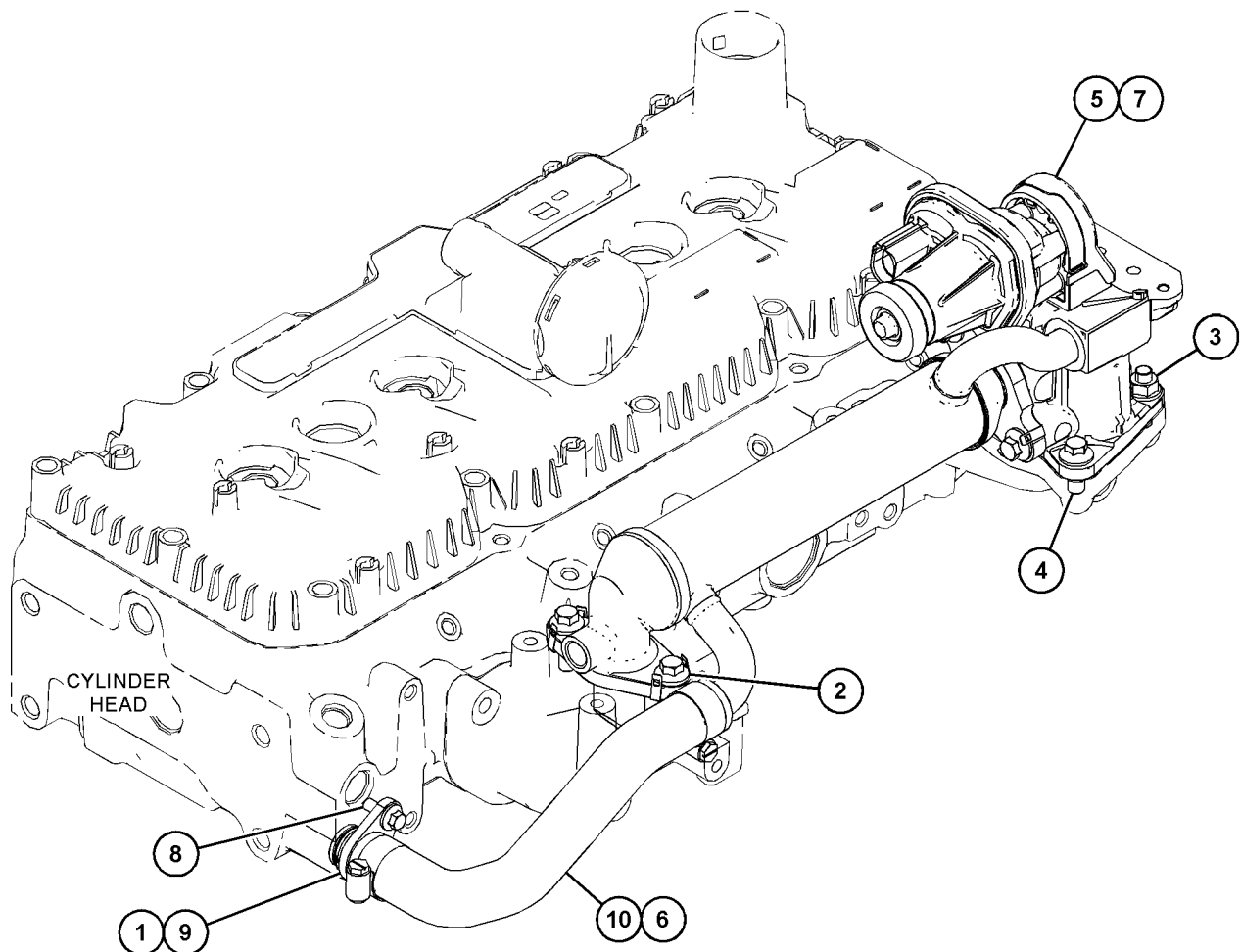
SMCS-1087

i07817594

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	538-9564	1	SEAL -O-RING						
M	2	1	6I-0260	2	BOLT (M8X1.25X25-MM)						
M	3	1	178-3336	3	NUT-HEX FLANGE (M8X1.25-THD)						
M	4	1	6I-0217	1	BOLT (M8X1.25X20-MM)						
Y	5	1	551-5101	1	VALVE GP-EXHAUST GAS (NRS)						80
	6	1	149-5484	2	CLAMP-HOSE						
	7	1	569-5522	1	GASKET						
M	8	1	106-8916	1	BOLT (M6X1X16-MM)						
	9	1	532-6775	1	CONNECTOR AS						
	10	1	562-2624	1	HOSE						

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06448270

AIR INLET AND EXHAUST SYSTEM

523-6556 ELBOW GP-AIR INLET

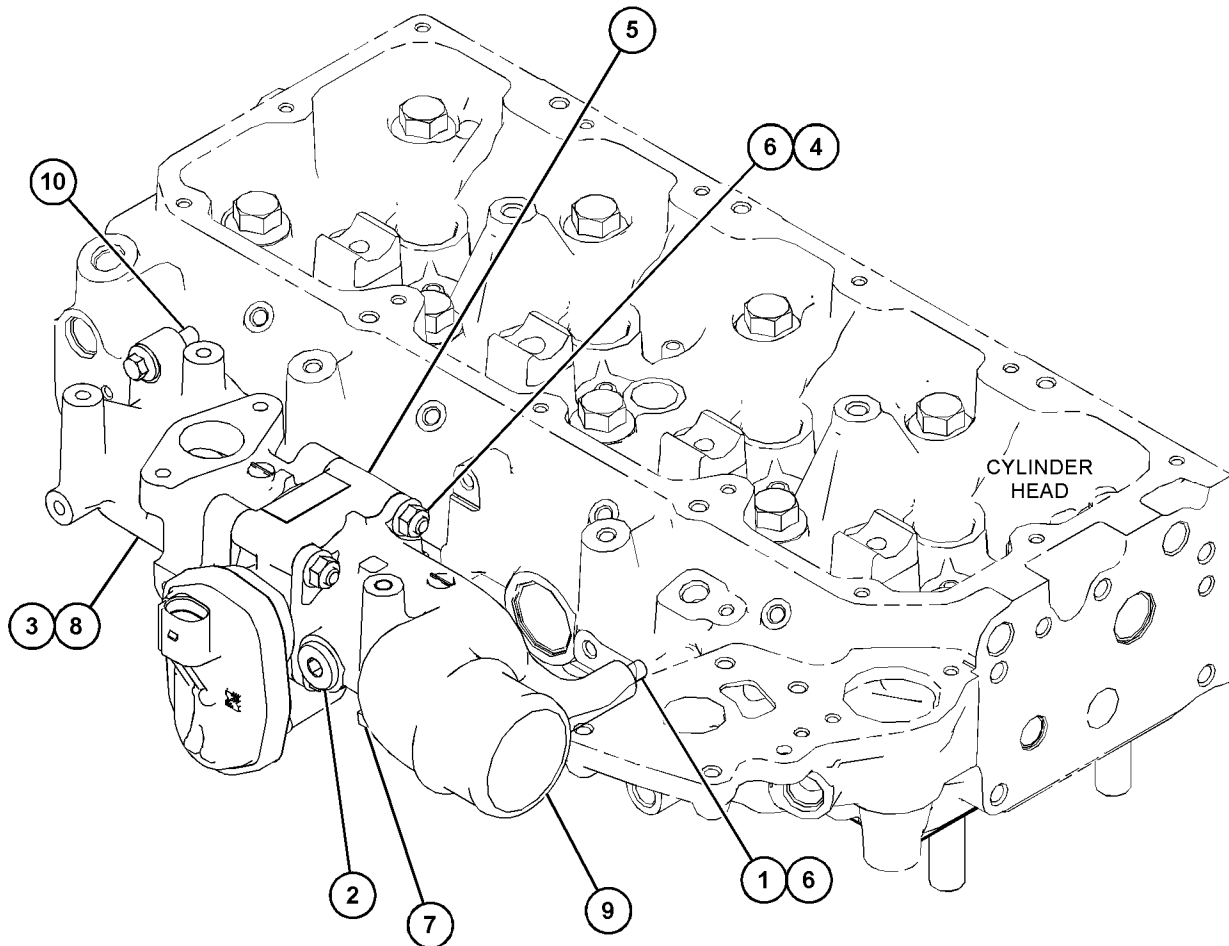
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1087

i07817602

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	141-8599	1	STUD (M8X1.25-MM THD)						
	2	1	470-4925	1	PLUG (M18X1.5-THD) (M18X1.5-THD)						
	3	1	540-3647	1	SEAL						
	4	1	505-6196	4	STUD						
	5	1	540-0583	1	VALVE GP-AIR CONTROL						
M	6	1	178-3336	5	NUT-HEX FLANGE (M8X1.25-THD)						
	7	1	035-8063	1	PLUG						
	8	1	562-0656	1	HOUSING						
	9	1	521-9088	1	CONNECTION						
M	10	1	6I-0254	2	BOLT (M8X1.25X30-MM)						

M - METRIC PART



GRAPHIC #1

<END>

g06447343

AIR INLET AND EXHAUST SYSTEM

523-6557 ELBOW GP-AIR INLET

PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-1087

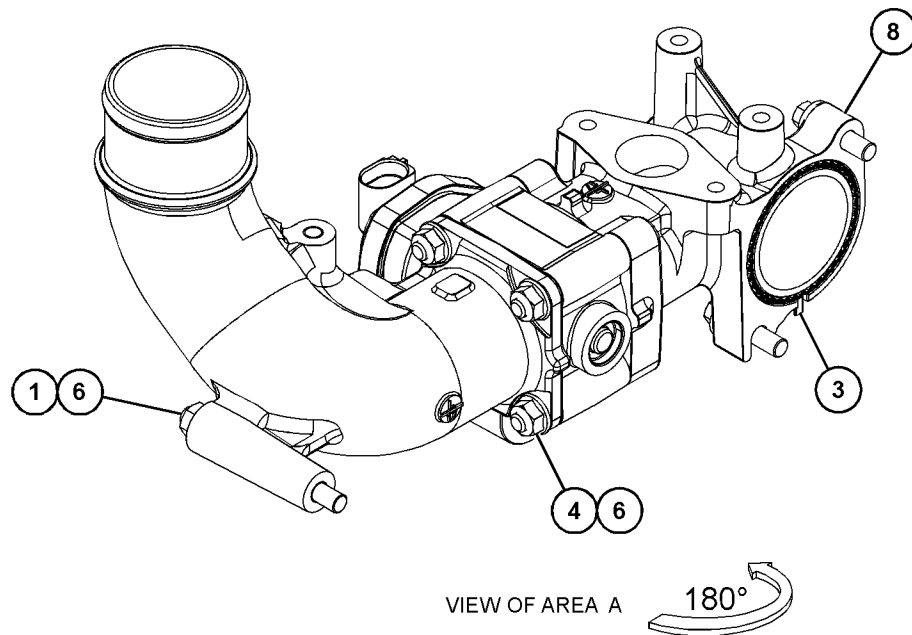
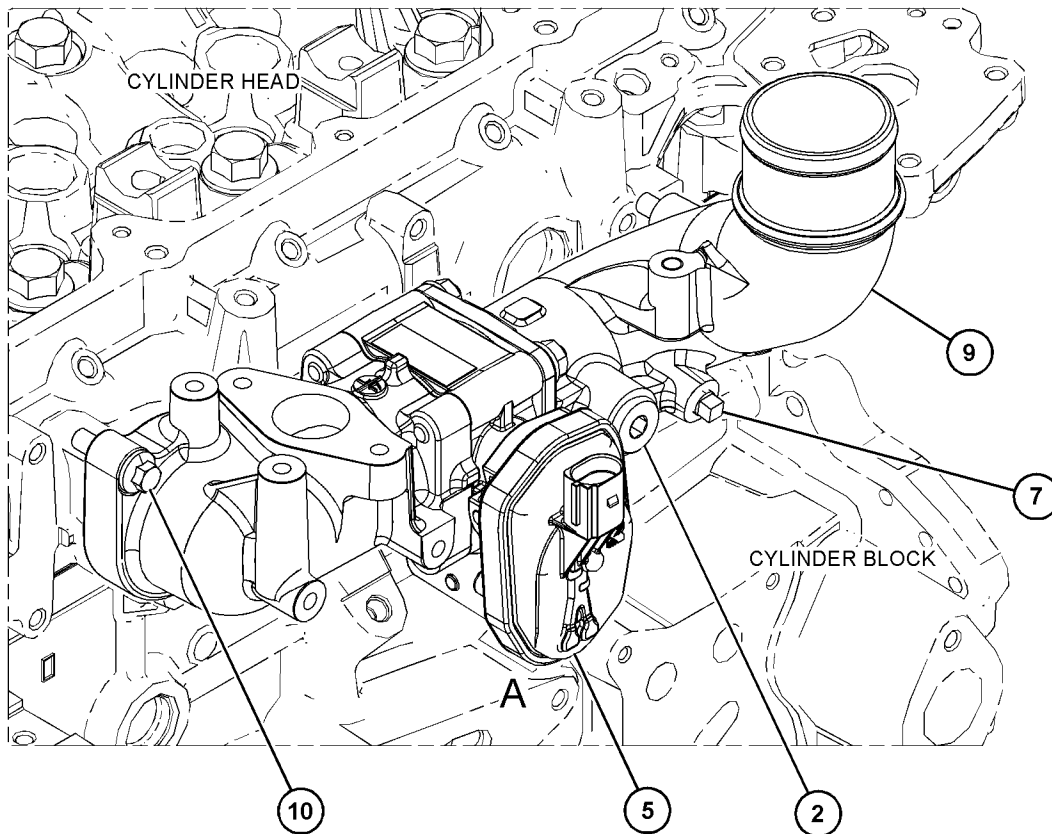
i07992337

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	141-8599	1	STUD	
	2	1	470-4925	1	PLUG (M18X1.5-THD)	
	3	1	540-3647	1	SEAL	
	4	1	505-6196	4	STUD	
	5	1	540-0583	1	VALVE GP-AIR CONTROL	
M	6	1	178-3336	5	NUT-HEX FLANGE (M8X1.25-THD)	
	7	1	035-8063	1	PLUG	
	8	1	562-0656	1	HOUSING (AIR)	
	9	1	521-9089	1	ELBOW	
M	10	1	6I-0254	2	BOLT (M8X1.25X30-MM)	
M - METRIC PART						

AIR INLET AND EXHAUST SYSTEM

523-6557 ELBOW GP-AIR INLET (contd.)

i07992337



GRAPHIC #1

<END>

g06504154

AIR INLET AND EXHAUST SYSTEM

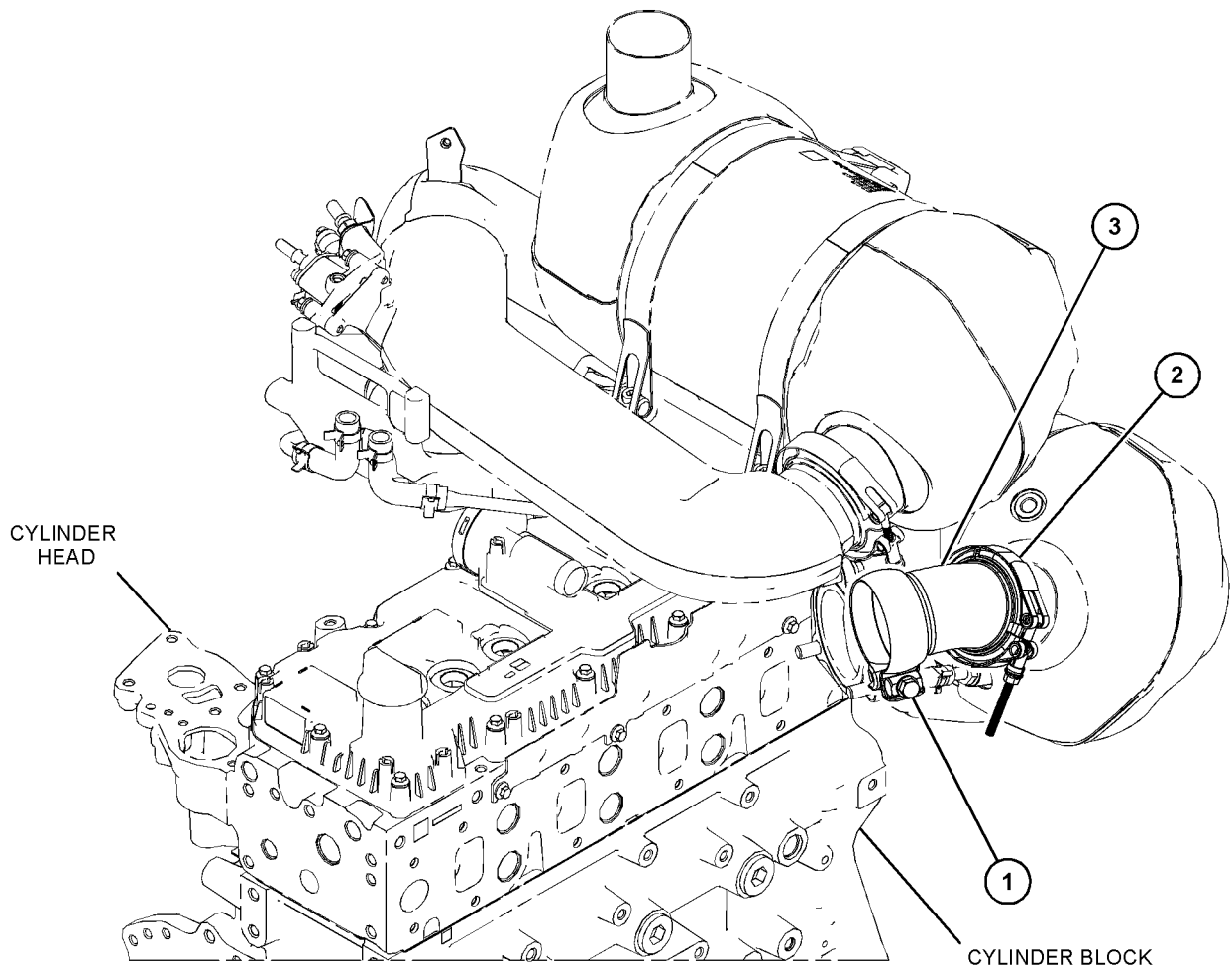
527-3244 EXHAUST GP-FLEXIBLE

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1061

i07817786

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	542-1612	1	CLAMP	
	2	1	542-5294	1	CLAMP AS	
J	3	1	547-4422	1	TUBE	
					AVAILABLE REPAIR KIT(S) :	
J			566-1010	1	KIT-TUBE (EXHAUST)	
					(INCLUDES CLAMP, CLAMP AS, & TUBE)	
J - KIT MARKED J SERVICES PART(S) MARKED J						



GRAPHIC #1

<END>

g06447184

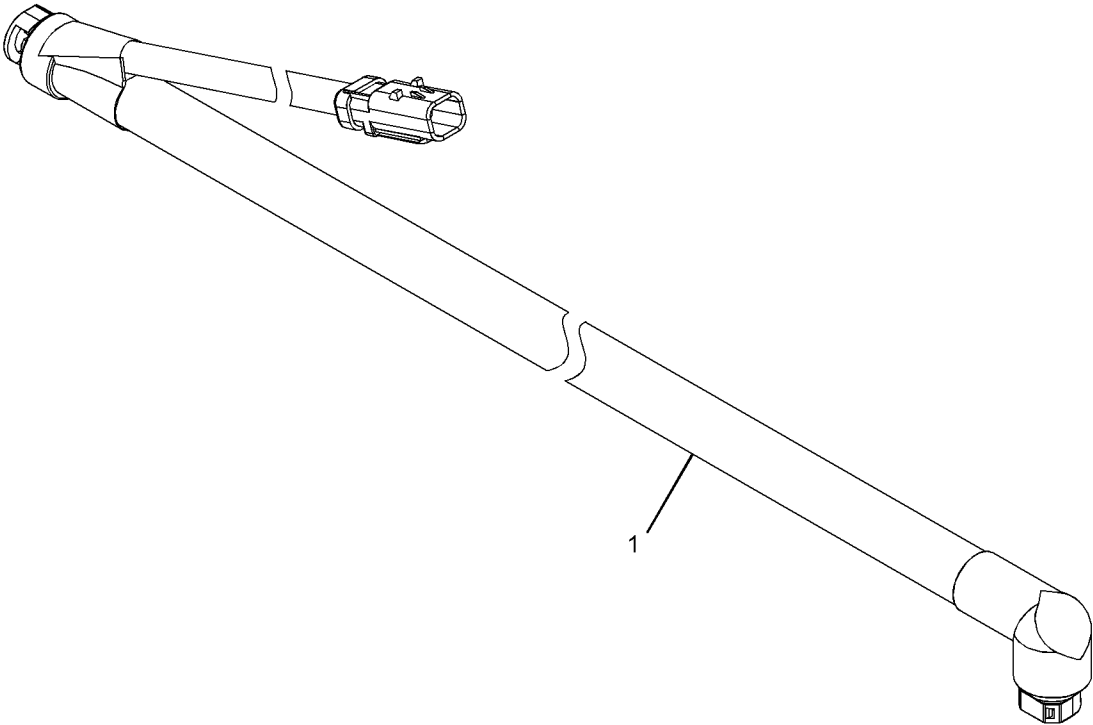
AIR INLET AND EXHAUST SYSTEM

388-5271 LINES GP-DIESEL EXHAUST FLUID
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-108K

i05681672

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	365-2215	1	HOSE AS						



GRAPHIC #1

<END>

g03389583

AIR INLET AND EXHAUST SYSTEM

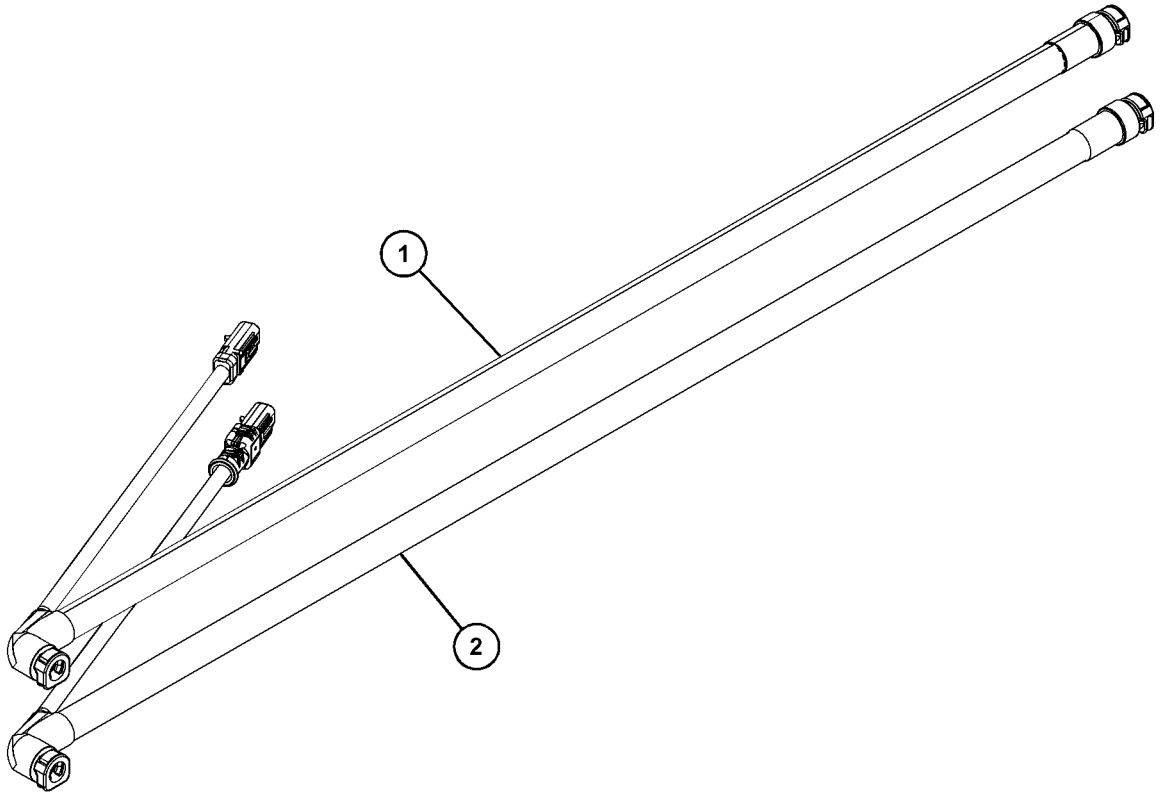
543-2859 LINES GP-DIESEL EXHAUST FLUID

PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-108K

i07817948

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	365-2239	1	LINE AS-DIESEL EXHAUST FLUID						
		1	424-6231	2	BUTTON						
2		1	558-4725	1	LINE AS-DIESEL EXHAUST FLUID						



GRAPHIC #1

<END>

g06449478

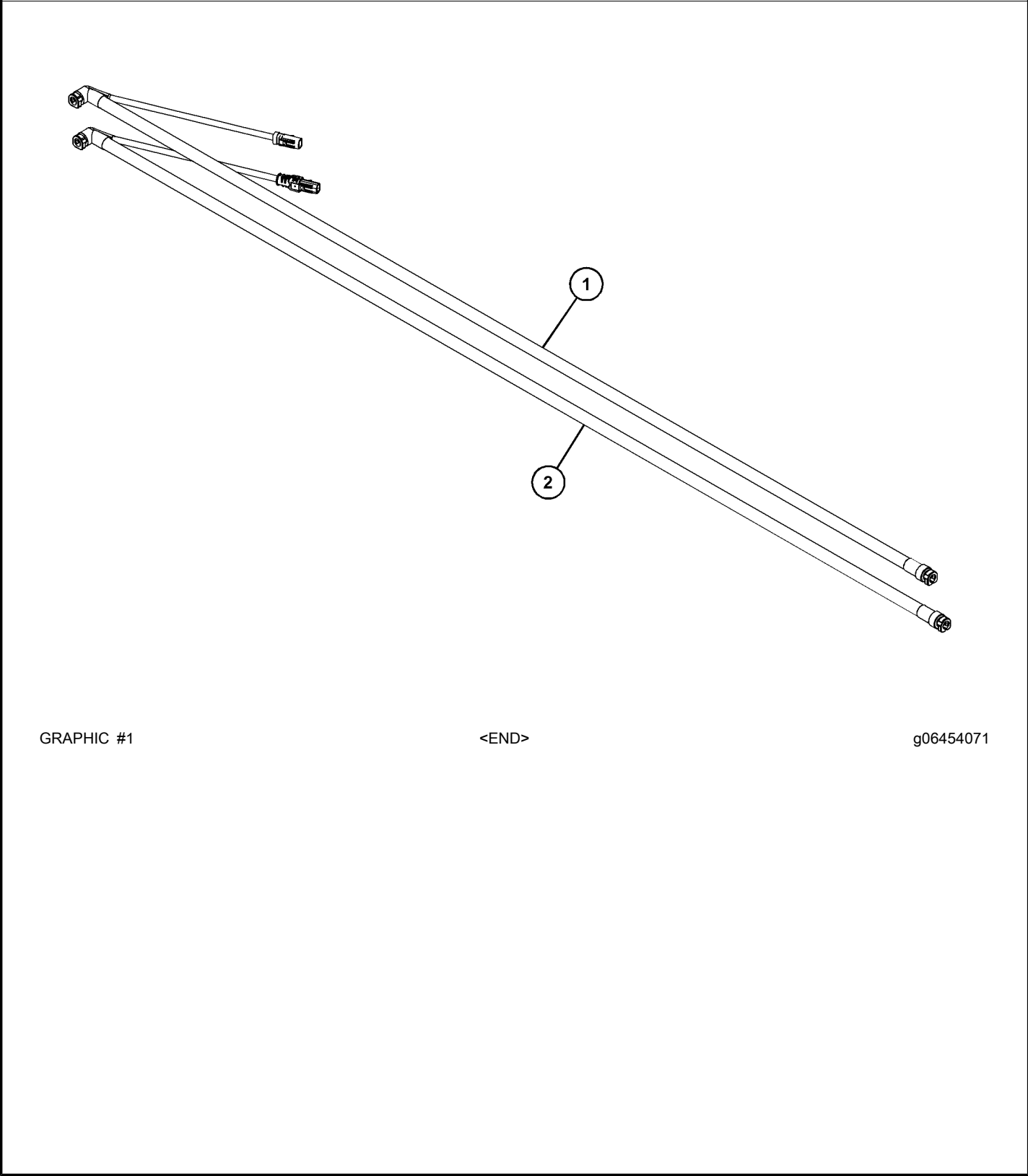
AIR INLET AND EXHAUST SYSTEM

543-2863 LINES GP-DIESEL EXHAUST FLUID
PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-108K

i07836623

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	384-8079	1	HOSE AS						
	2	1	551-1569	1	LINE AS-DIESEL EXHAUST FLUID						



GRAPHIC #1

<END>

g06454071

AIR INLET AND EXHAUST SYSTEM

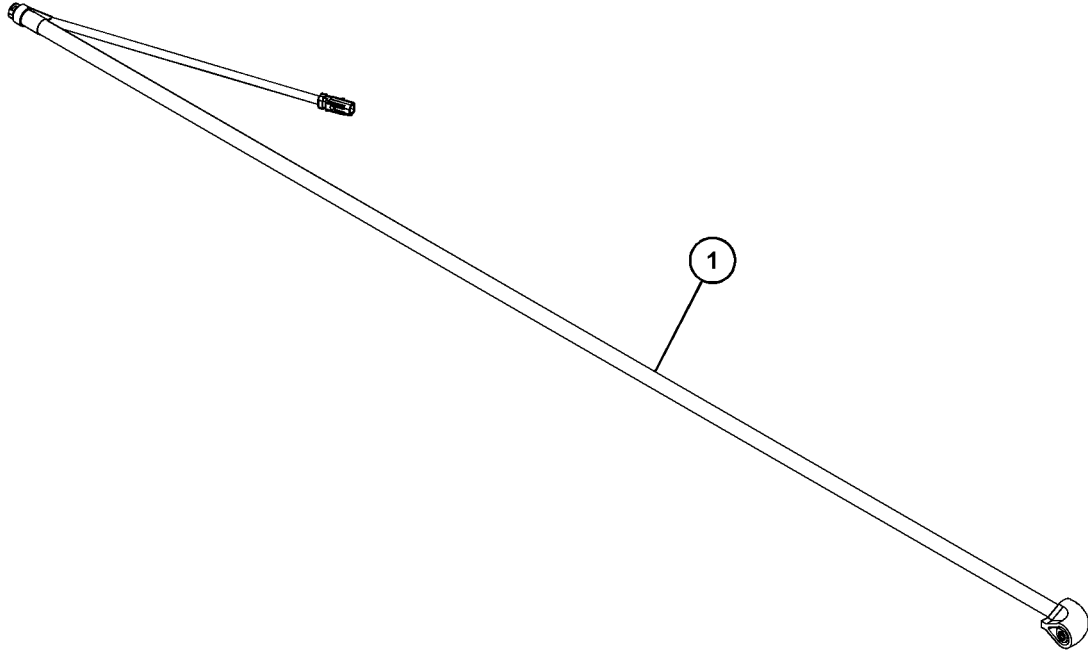
568-6664 LINES GP-DIESEL EXHAUST FLUID

PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-108K

i08000188

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	565-6453	1	HOSE AS						



GRAPHIC #1

<END>

g06504435

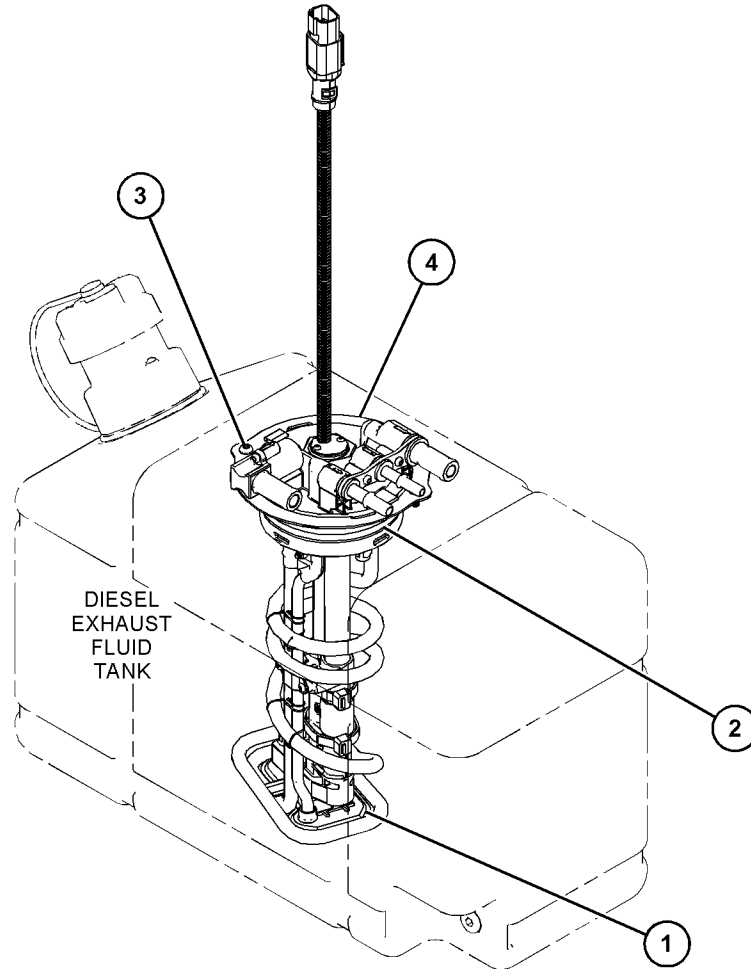
AIR INLET AND EXHAUST SYSTEM

535-6922 MANIFOLD GP-DEF PART OF 535-6925 TANK GP-DIESEL EXHAUST FLUID

SMCS-108H

i07835221

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	536-6756	1	FILTER AS (DIESEL EXHAUST FLUID)						
	2	1	461-9110	1	SEAL						
	3	1	461-9115	2	SCREW (10-32X0.5-IN)						
	4	1	536-6753	1	CLAMP						



GRAPHIC #1

<END>

g06453005

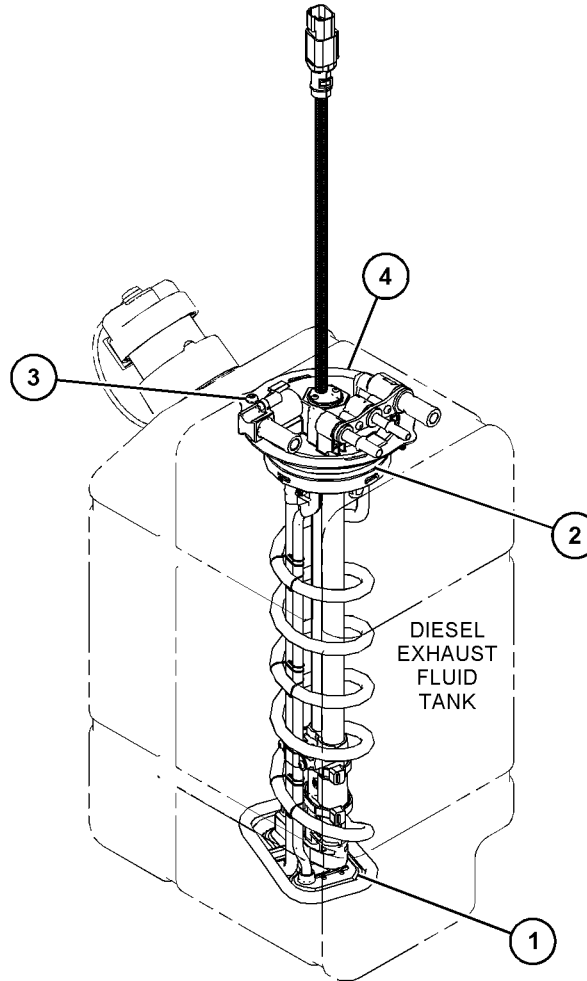
AIR INLET AND EXHAUST SYSTEM

535-6924 MANIFOLD GP-DEF PART OF 535-6926 TANK GP-DIESEL EXHAUST FLUID

SMCS-108H

i07829094

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	536-6756	1	FILTER AS (DIESEL EXHAUST FLUID)						
	2	1	461-9110	1	SEAL						
	3	1	461-9115	2	SCREW (10-32X0.5-IN)						
	4	1	536-6753	1	CLAMP						



GRAPHIC #1

<END>

g06450603

AIR INLET AND EXHAUST SYSTEM

512-8095 MANIFOLD GP-EXHAUST

PART OF 571-0205 ENGINE AR-PRIMARY

TYPE 1

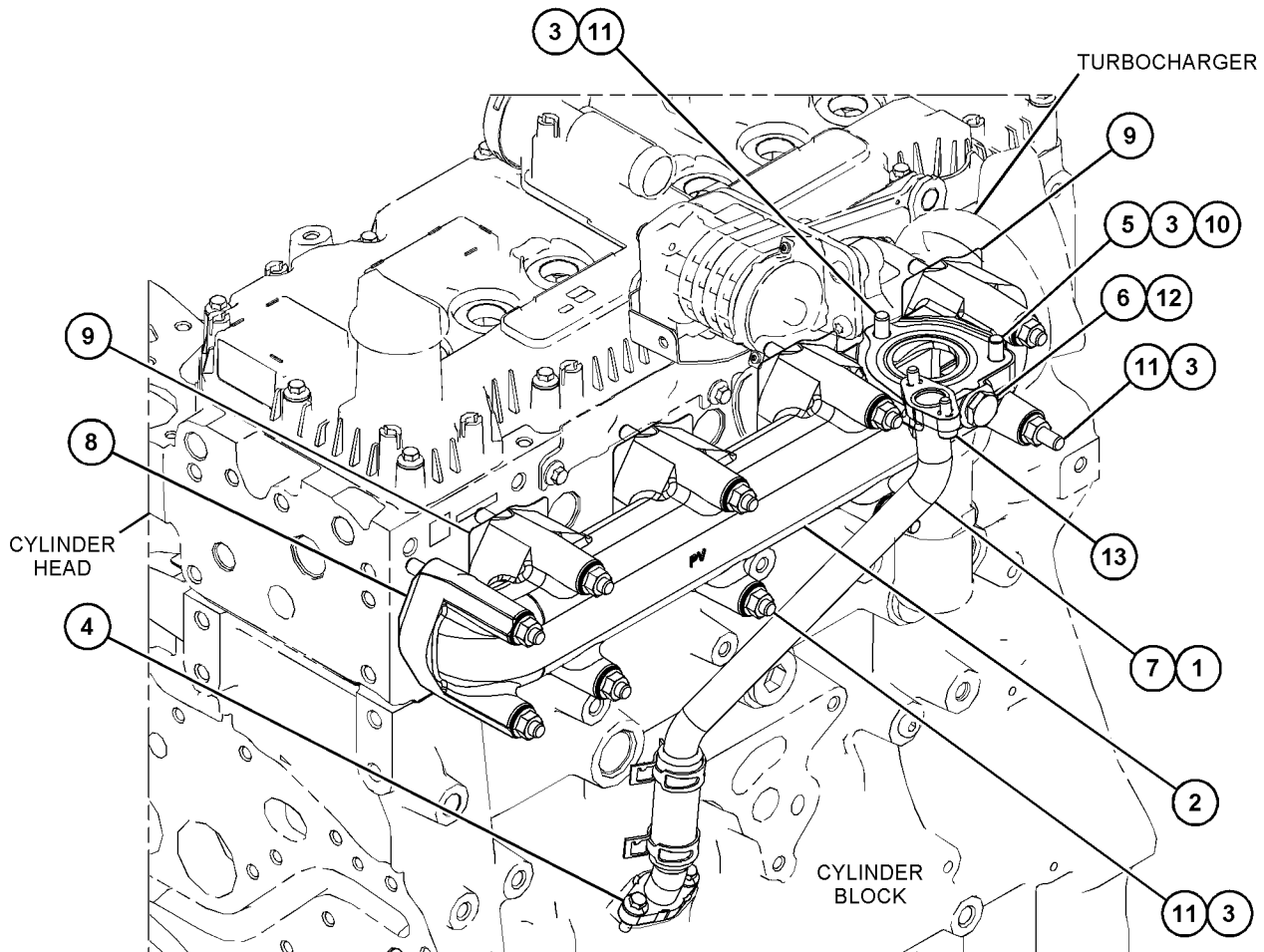
SMCS-1059

i07817949

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	353-3477	2	GASKET - TURBOCHARGER						
	2	1	543-4851	1	MANIFOLD-EXHAUST						
M	3	1	100-4454	13	NUT (M8X1.25-THD)						
MR	4	1	100-4838	2	BOLT (M6X1X20-MM)						
M	5	1	114-2583	2	STUD (M8X1.25X37-MM)						
	6	1	336-7540	1	PLUG						
	7	1	489-7954	1	HOSE & TUBE AS						
		1	269-3086	2	CLAMP-BAND						
	8	1	489-7957	1	GASKET-EXHAUST						
	9	1	489-7970	4	GASKET-EXHAUST						
	10	1	527-9719	1	GASKET-EXHAUST						
M	11	1	546-5941	11	STUD (M8X1.25X97-MM)						
	12	1	037-1434	1	WASHER						
M	13	1	6V-5683	2	BOLT (M6X1X16-MM)						

M - METRIC PART

R - REMANUFACTURED PART MAY BE AVAILABLE



GRAPHIC #1

<END>

g06449682

AIR INLET AND EXHAUST SYSTEM

512-8095 MANIFOLD GP-EXHAUST

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

TYPE 2

SMCS-1059

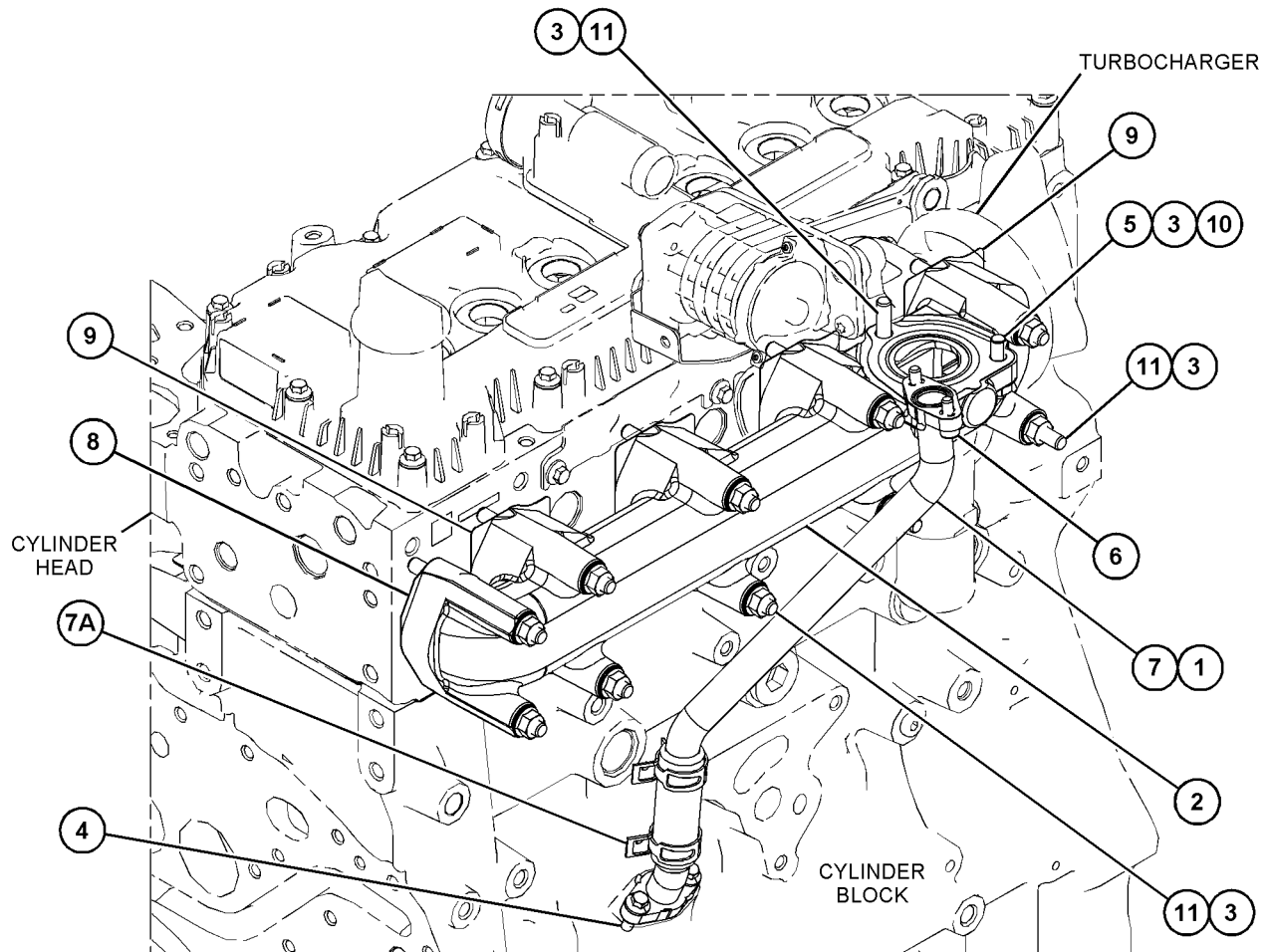
i07898927

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	353-3477	2	GASKET - TURBOCHARGER						
C	2	1	581-2369	1	MANIFOLD-EXHAUST						
M	3	1	100-4454	13	NUT (M8X1.25-THD)						
MR	4	1	100-4838	2	BOLT (M6X1X20-MM)						
M	5	1	114-2583	2	STUD (M8X1.25X37-MM)						
M	6	1	6V-5683	2	BOLT (M6X1X16-MM)						
	7	1	489-7954	1	HOSE & TUBE AS						
	7A	1	269-3086	2	CLAMP-BAND						
	8	1	489-7957	1	GASKET-EXHAUST						
	9	1	489-7970	4	GASKET-EXHAUST						
	10	1	527-9719	1	GASKET-EXHAUST						
M	11	1	546-5941	11	STUD (M8X1.25X97-MM)						

C - CHANGE FROM PREVIOUS TYPE

M - METRIC PART

R - REMANUFACTURED PART MAY BE AVAILABLE



GRAPHIC #1

<END>

g06499287

AIR INLET AND EXHAUST SYSTEM

527-3205 MODULE AR-CLEAN EMISSIONS

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-108D

i07940567

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
M	1	1	124-3815	4	BOLT (M8X1.25X16-MM)	
	2	1	313-9614	1	ADAPTER AS	
		1	2R-6806	1	CONNECTOR	
		1	214-7568	1	SEAL-O-RING	
	3	1	9X-8256	3	WASHER (6.6X12X2-MM THK)	
M	4	1	380-8418	3	BOLT-FLANGE HEAD (M6X1X35-MM)	
J	5	1	529-7539	1	INJECTOR AS	
		1	378-3178	1	SEAL	
		1	423-3256	2	CONNECTOR AS	
	6	1	535-7383	1	BRACKET AS	
	7	1	535-7384	1	HOSE AS	
		1	374-6404	2	CLIP-HOSE	
		1	365-0162	1	CONNECTOR-SPECIAL	
		1	230-8275	1	CLIP-TUBE	
	8	1	540-2300	1	TUBE AS	
	9	1	542-5295	2	CLAMP AS	
	10	1	560-7515	1	FILTER AS-DIESEL PARTICULATE	
	11	1	566-4403	1	CATALYST AS	
M	12	1	6I-0631	1	BOLT (M6X1X12-MM)	
AF			418-2073	1	GASKET AS	
					AVAILABLE REPAIR KIT(S):	
J			423-3257	1	KIT-COVER (DEF INJECTOR)	

A - NOT PART OF THIS GROUP

F - NOT SHOWN

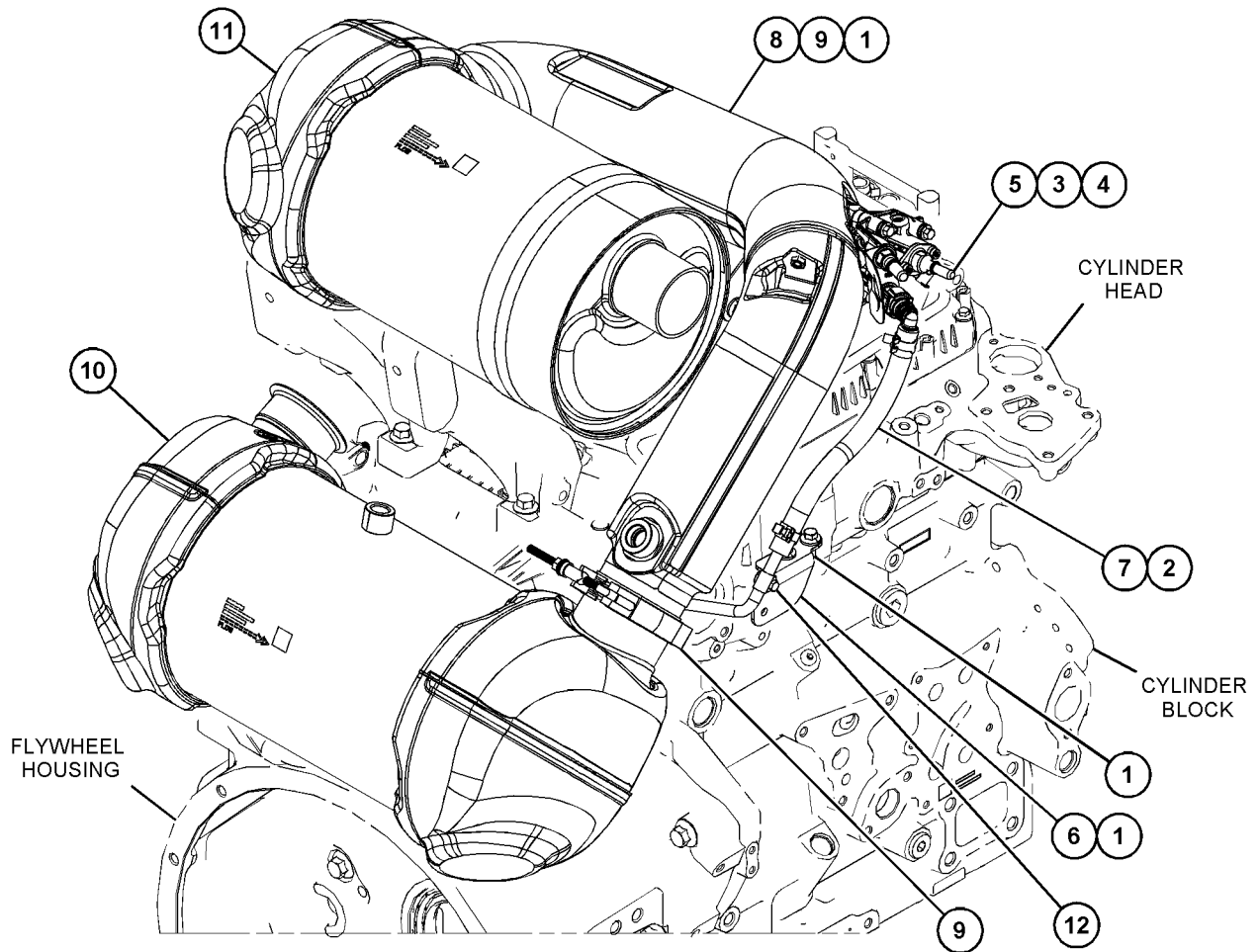
J - KIT MARKED J SERVICES PART(S) MARKED J

M - METRIC PART

AIR INLET AND EXHAUST SYSTEM

527-3205 MODULE AR-CLEAN EMISSIONS (contd.)

i07940567



GRAPHIC #1

<END>

g06449041

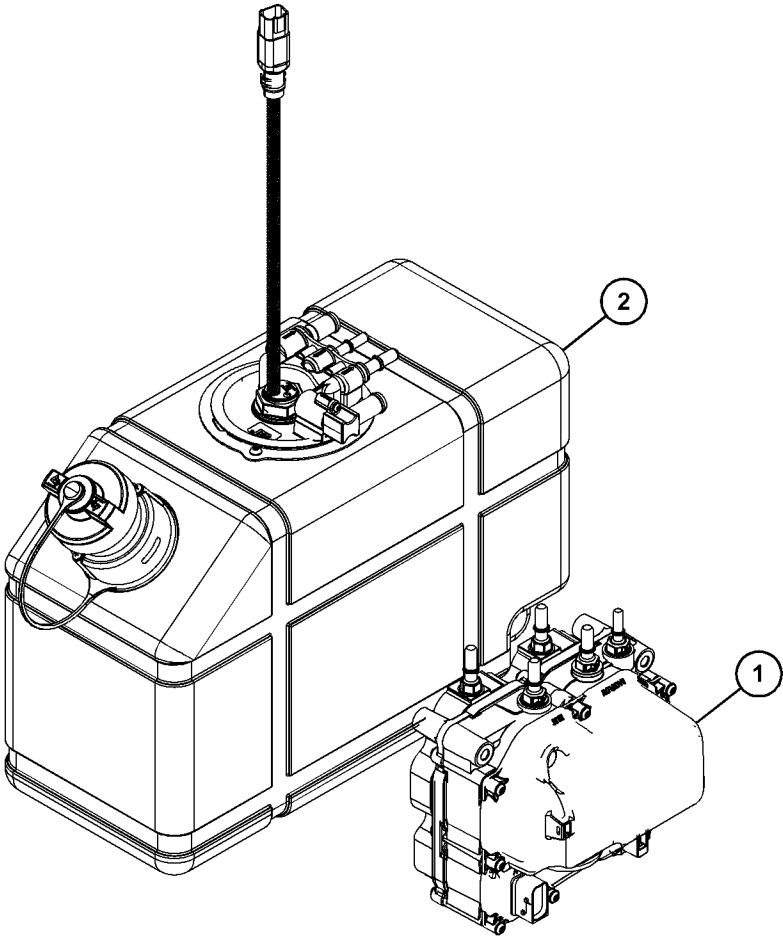
AIR INLET AND EXHAUST SYSTEM

510-3725 **MODULE AR-DIESEL EXHAUST FLUID**
PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-108H, 108K i07852605

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
YR	1	1	398-4746	1	PUMP GP-DIESEL EXHAUST FLUID	73
Y	2	1	535-6925	1	TANK GP-DIESEL EXHAUST FLUID	77

R - REMANUFACTURED PART MAY BE AVAILABLE
Y - SEPARATE ILLUSTRATION



GRAPHIC #1 <END> g06458327

AIR INLET AND EXHAUST SYSTEM

527-3167 MOUNTING GP-EXHAUST

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1061

i07817772

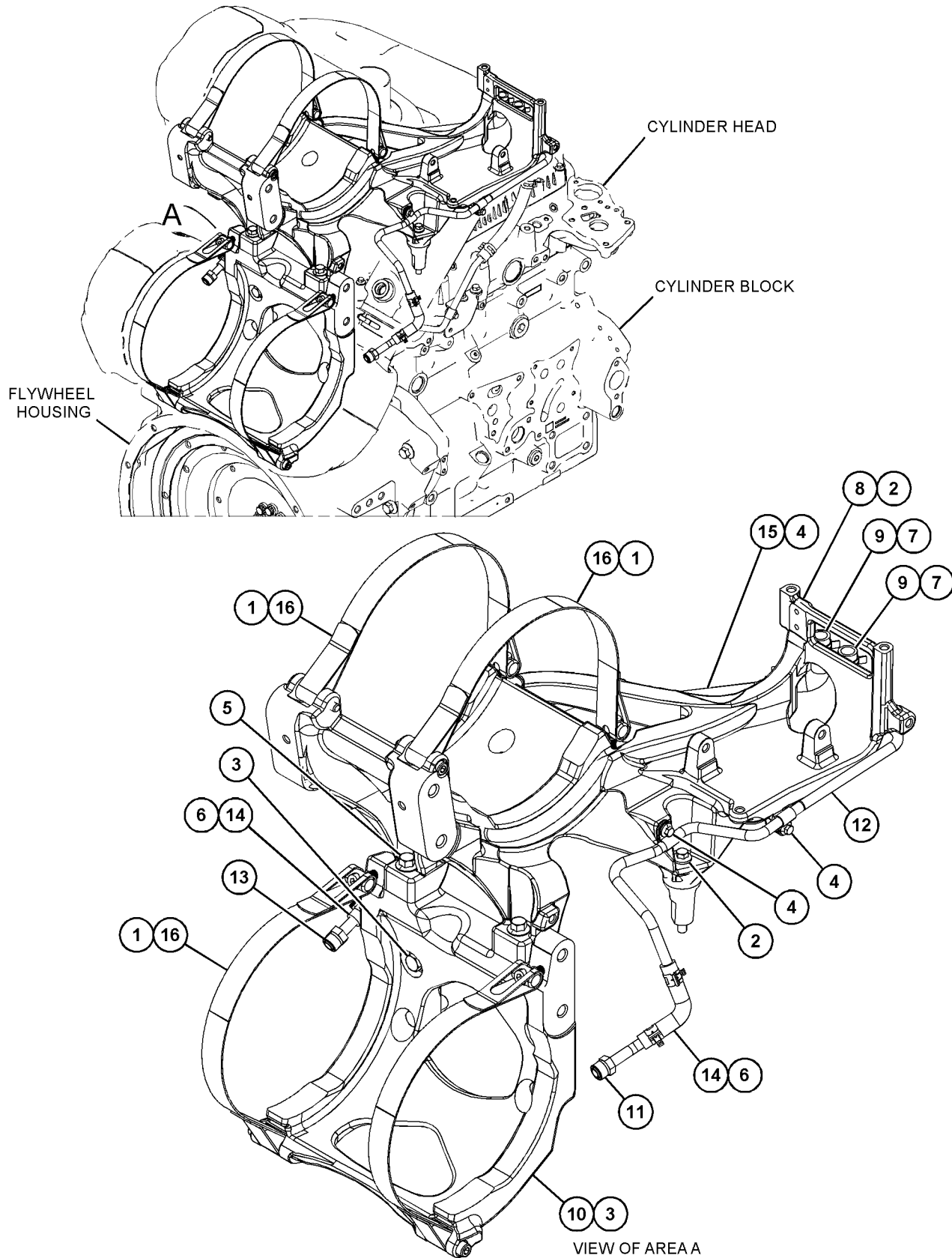
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	3E-8025	4	BOLT-SOCKET HEAD (M8X1.25X50-MM)						
M	2	1	6I-0293	2	BOLT (M8X1.25X80-MM)						
M	3	1	6I-0423	4	BOLT (M12X1.75X30-MM)						
M	4	1	6I-0846	4	BOLT (M6X1X14-MM)						
M	5	1	123-2899	2	BOLT (M10X1.5X40-MM)						
	6	1	317-7012	4	CLAMP-BAND (SPRING)						
	7	1	374-6404	4	CLIP-HOSE						
	8	1	528-2861	1	SUPPORT-UPPER						
	9	1	528-6520	2	HOSE-MOLDED						
	10	1	541-6926	1	SUPPORT-LOWER						
	11	1	546-5468	1	TUBE AS						
	12	1	546-5675	1	TUBE AS						
		1	230-8275	2	CLIP-TUBE						
	13	1	546-5788	1	TUBE AS						
	14	1	546-5807	2	HOSE						
	15	1	546-5826	1	TUBE AS						
		1	230-8275	2	CLIP-TUBE						
	16	1	546-6615	4	CLAMP						

M - METRIC PART

AIR INLET AND EXHAUST SYSTEM

527-3167 MOUNTING GP-EXHAUST (contd.)

i07817772



GRAPHIC #1

<END>

g06449146

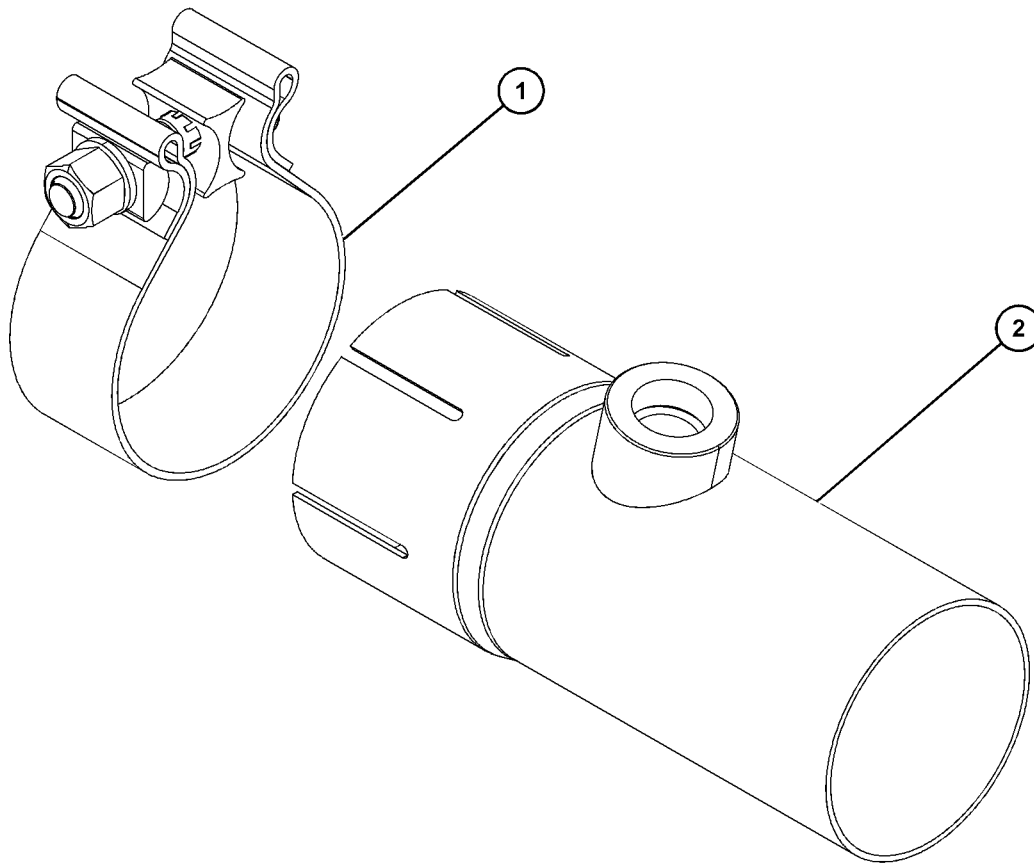
AIR INLET AND EXHAUST SYSTEM

511-8795 PIPE GP-EXHAUST PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1061

i07817774

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
J	1	1	438-1716	1	CLAMP-BAND	
J	2	1	514-1708	1	TUBE AS	
					AVAILABLE REPLACEMENT PART(S) :	
J			556-8570	1	KIT-TUBE (EXHAUST)	
					(INCLUDES CLAMP-BAND & TUBE AS)	
J - KIT MARKED J SERVICES PART(S) MARKED J						



GRAPHIC #1

<END>

g06449617

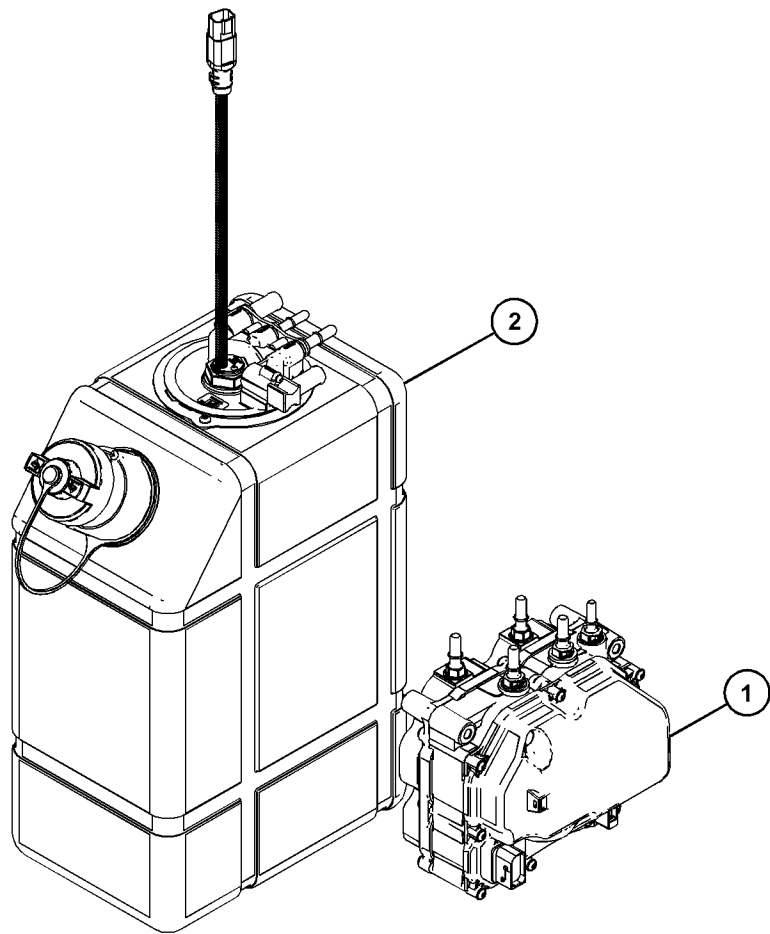
AIR INLET AND EXHAUST SYSTEM

510-3728 PUMP & TANK GP-DEF
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-108J, 108K i07817954

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
YR	1	1	485-9753	1	PUMP GP-DIESEL EXHAUST FLUID	74
Y	2	1	535-6926	1	TANK GP-DIESEL EXHAUST FLUID	78

R - REMANUFACTURED PART MAY BE AVAILABLE
Y - SEPARATE ILLUSTRATION



GRAPHIC #1 <END> g06449732

AIR INLET AND EXHAUST SYSTEM

398-4746 PUMP GP-DIESEL EXHAUST FLUID*R

PART OF 510-3725 MODULE AR-DIESEL EXHAUST FLUID

SMCS-108J

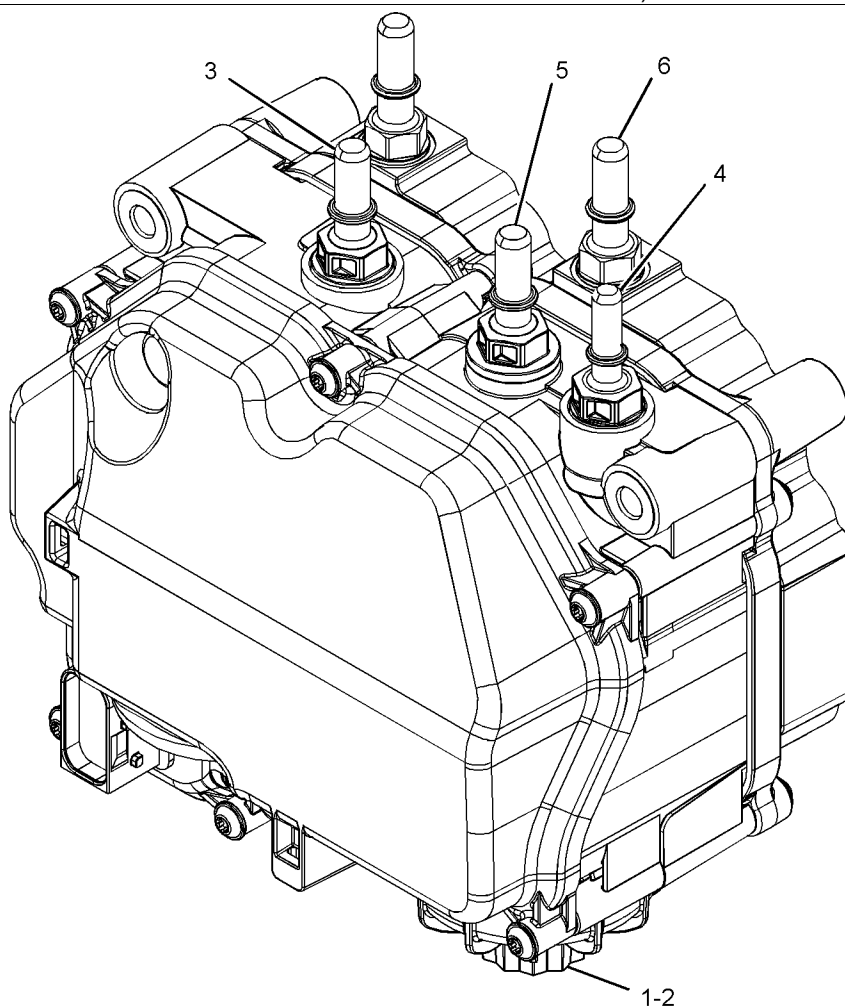
i07215044

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	378-3187	1	FILTER GP-DIESEL EXHAUST FLUID	
	2	1	378-3188	1	CAP-FILTER	
	3	1	423-3251	1	CONNECTOR	
	4	1	423-3252	1	CONNECTOR	
	5	1	516-2663	1	CONNECTOR	
	6	1	423-3254	2	CONNECTOR	

AVAILABLE REPAIR KIT(S) :

423-3255 1 KIT-COVER (DEF PUMP)

(INCLUDES ELECTRICAL CONNECTOR, OUTLET CONNECTOR, INLET CONNECTOR, COOLANT CONNECTORS & BACKFLOW CONNECTOR)



GRAPHIC #1

<END>

g03383727

AIR INLET AND EXHAUST SYSTEM

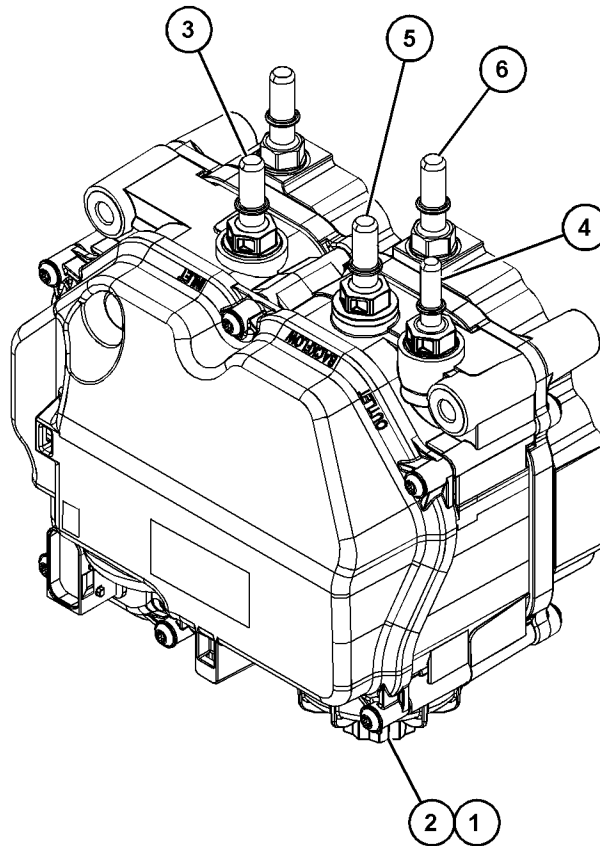
485-9753 PUMP GP-DIESEL EXHAUST FLUID*R

PART OF 510-3728 PUMP & TANK GP-DEF

SMCS-108J

i07820019

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	378-3187	1	FILTER GP-DIESEL EXHAUST FLUID	
	2	1	378-3188	1	CAP-FILTER	
J	3	1	423-3251	1	CONNECTOR (DEF PUMP, INLET, SUCTION)	
J	4	1	423-3252	1	CONNECTOR (DEF PUMP, OUTLET, PRESSURE)	
J	5	1	516-2663	1	CONNECTOR (INTEGRAL FILTER, CHECK VALVE)	
J	6	1	423-3254	2	CONNECTOR (DEF PUMP, INLET, COOLANT)	
AVAILABLE REPAIR KIT(S) :						
J			423-3255	1	KIT-COVER (DEF PUMP)	
(INCLUDES CONNECTORS)						
J - KIT MARKED J SERVICES PART(S) MARKED J						



GRAPHIC #1

<END>

g06034954

AIR INLET AND EXHAUST SYSTEM

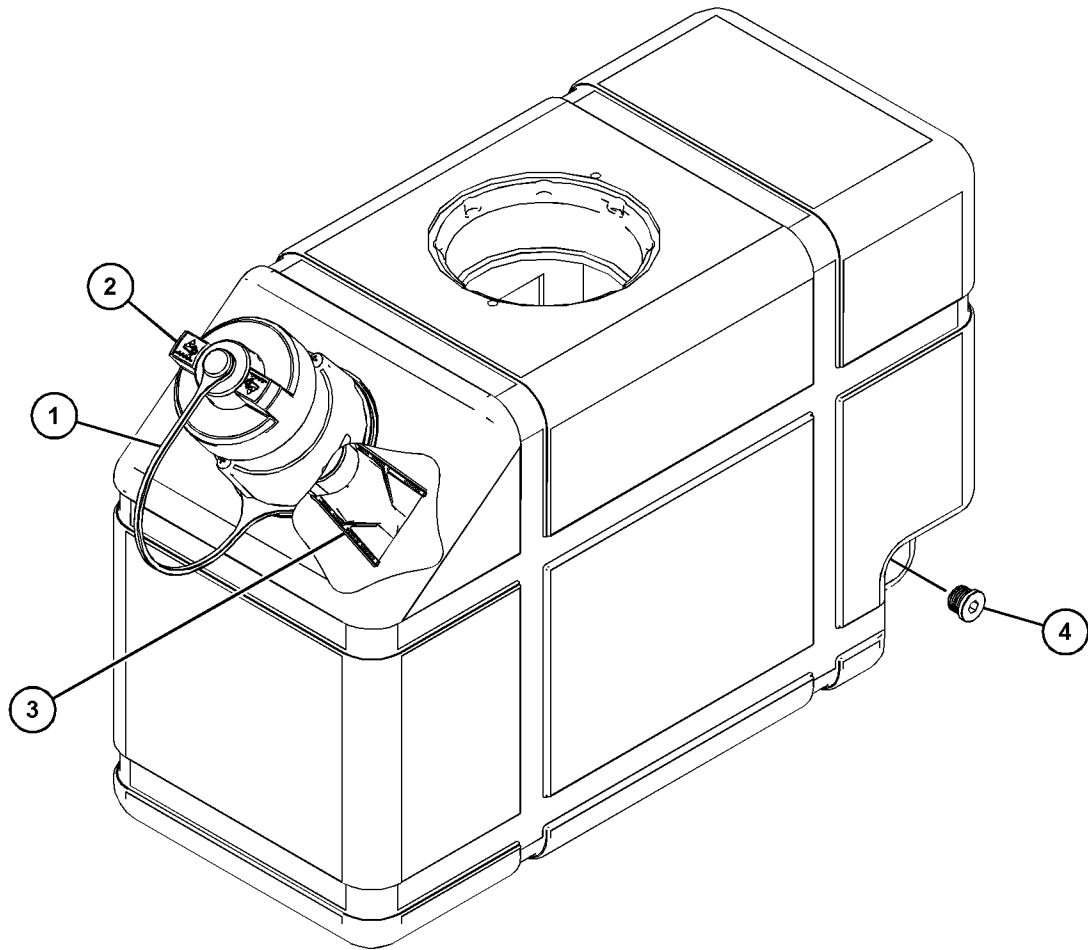
466-9613 TANK GP-DIESEL EXHAUST FLUID

PART OF 535-6925 TANK GP-DIESEL EXHAUST FLUID

SMCS-108T

i06931483

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	387-5467	1	LANYARD						
	2	1	398-3011	1	CAP-TANK FILLER (DIESEL EXHAUST FLUID)						
	3	1	451-2774	1	SCREEN AS						
	4	1	461-9106	1	PLUG AS-DRAIN						



GRAPHIC #1

<END>

g03841283

AIR INLET AND EXHAUST SYSTEM

466-9614 TANK GP-DIESEL EXHAUST FLUID

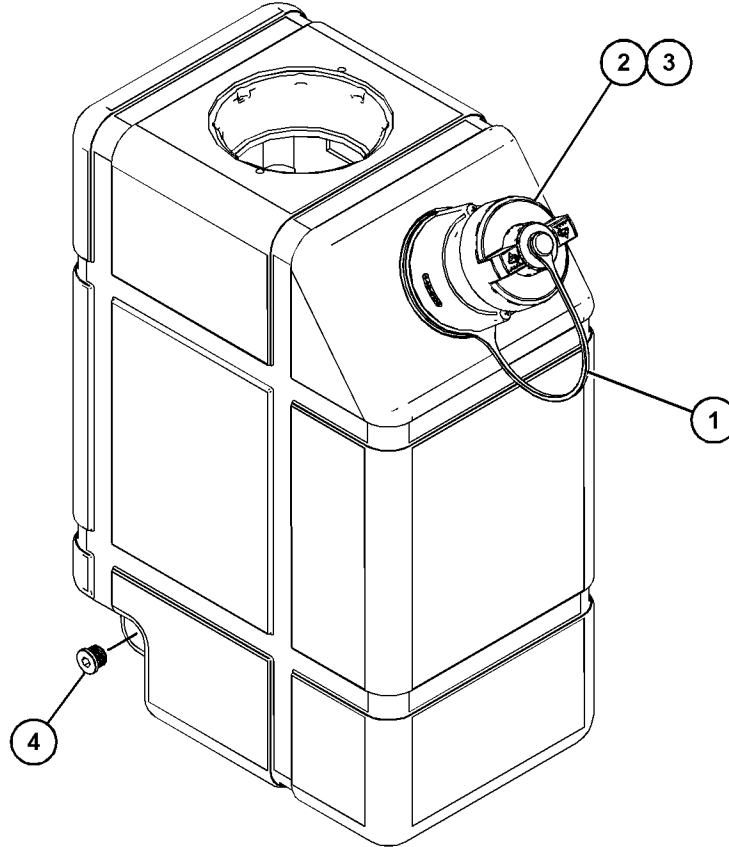
19-L (5-U.S. GAL)

PART OF 535-6926 TANK GP-DIESEL EXHAUST FLUID

SMCS-108T

i07033940

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	387-5467	1	LANYARD						
	2	1	398-3011	1	CAP-TANK FILLER (DIESEL EXHAUST FLUID)						
	3	1	451-2774	1	SCREEN AS						
	4	1	461-9106	1	PLUG AS-DRAIN (DEF TANK)						



GRAPHIC #1

<END>

g03820794

AIR INLET AND EXHAUST SYSTEM

535-6925 TANK GP-DIESEL EXHAUST FLUID

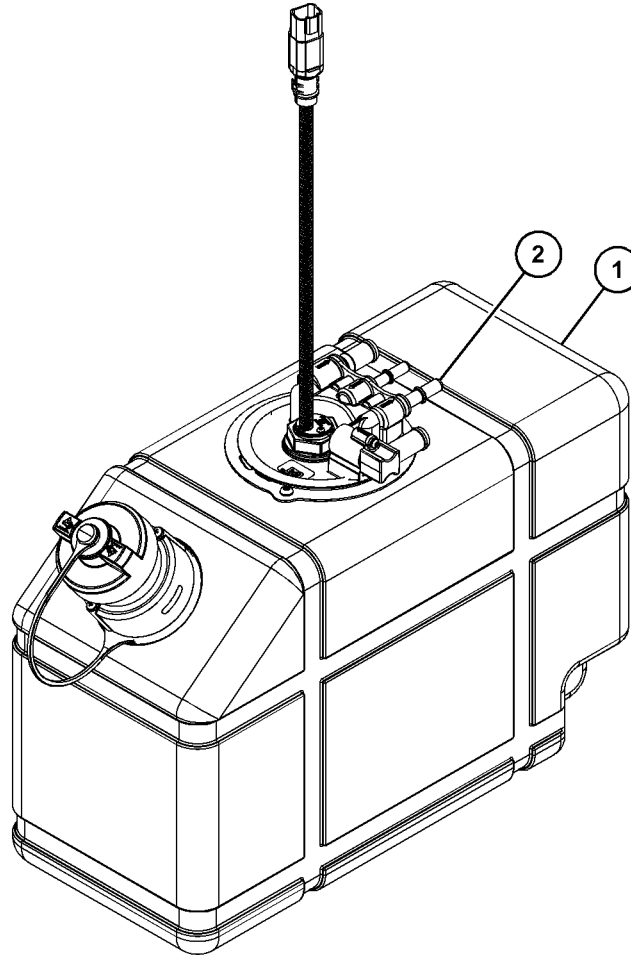
PART OF 510-3725 MODULE AR-DIESEL EXHAUST FLUID

SMCS-108T

i07835220

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	466-9613	1	TANK GP-DIESEL EXHAUST FLUID	75
Y	2	1	535-6922	1	MANIFOLD GP-DEF (CONTROL)	62

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06452550

AIR INLET AND EXHAUST SYSTEM

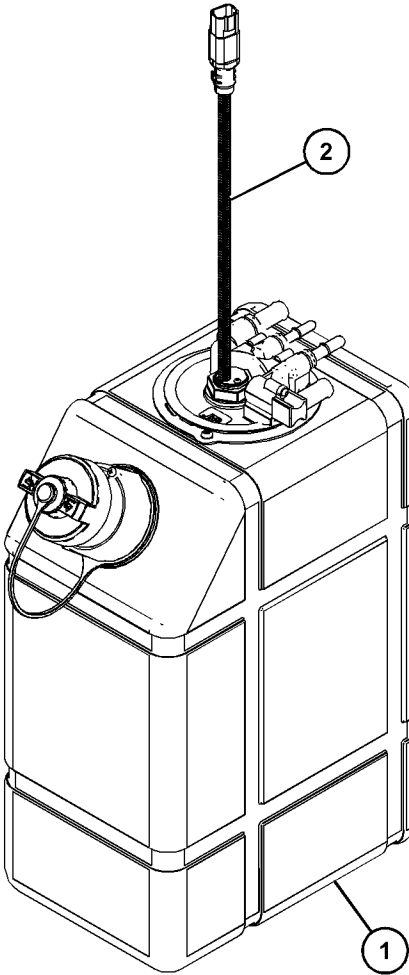
535-6926 TANK GP-DIESEL EXHAUST FLUID
PART OF 510-3728 PUMP & TANK GP-DEF

SMCS-108T

i07829093

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	466-9614	1	TANK GP-DIESEL EXHAUST FLUID	76
Y	2	1	535-6924	1	MANIFOLD GP-DEF	63

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06449765

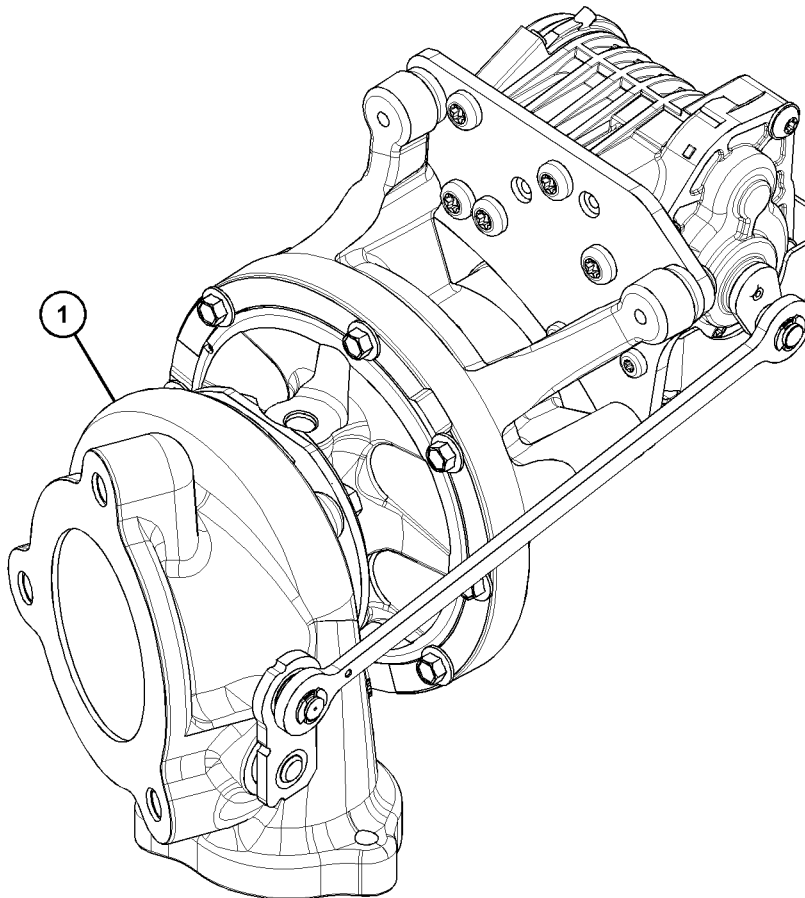
AIR INLET AND EXHAUST SYSTEM

514-7399 TURBOCHARGER GP PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1052, 1053

i07817970

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
J	1	1	572-6424	1	TURBOCHARGER AS (COMPRESSOR)	
AVAILABLE REPAIR KIT(S) :						
J			561-2097	1	KIT-ACTUATOR	
J			561-2100	1	KIT-ROD	
J			561-2101	1	KIT-TURBOCHARGER	
J - KIT MARKED J SERVICES PART(S) MARKED J						



GRAPHIC #1

<END>

g06449055

AIR INLET AND EXHAUST SYSTEM

551-5101 VALVE GP-EXHAUST GAS (NRS)

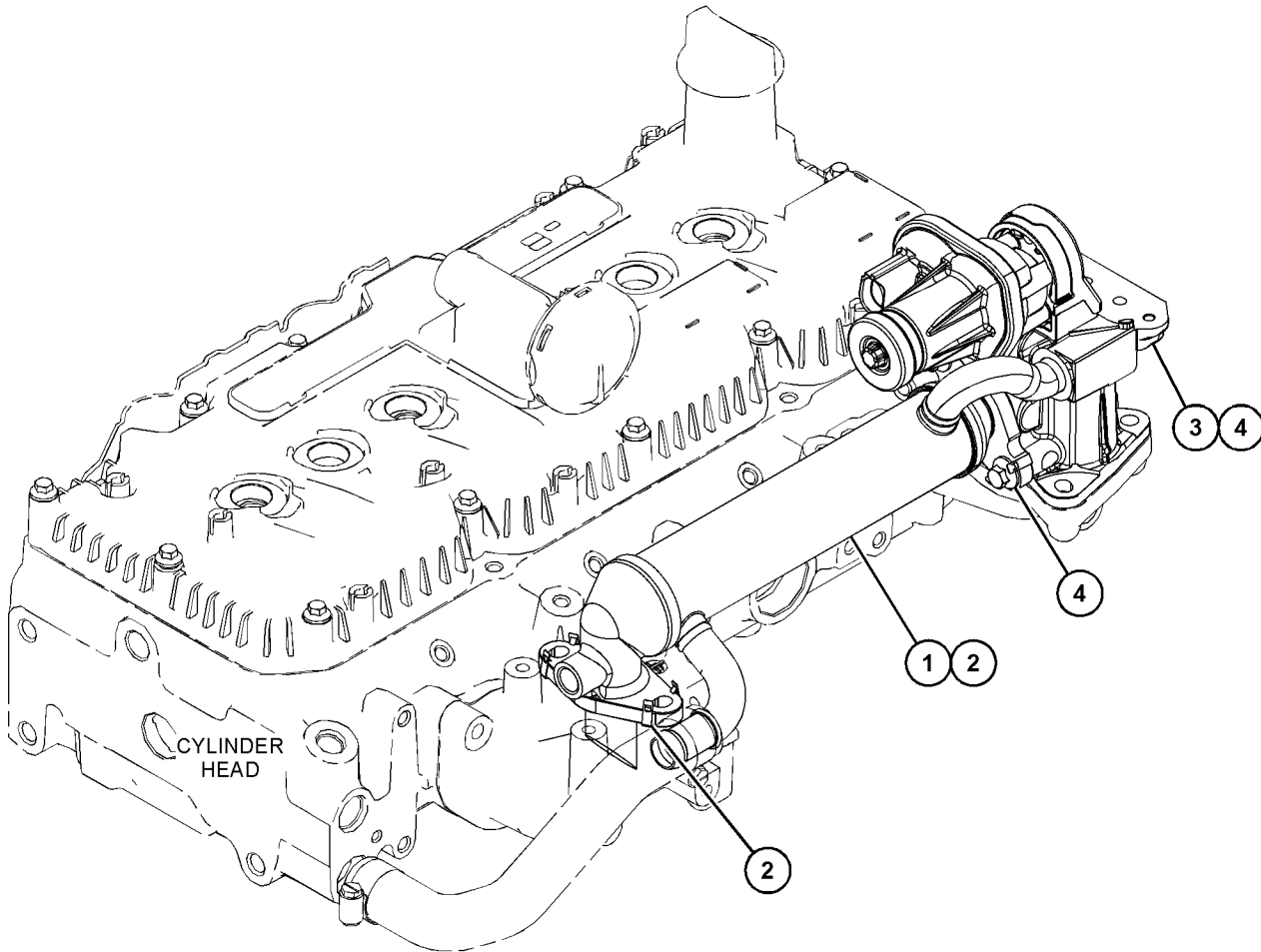
AIR

PART OF 540-3082 CONTROL GP-AIR

SMCS-1082

i07824465

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	540-0580	1	COOLER AS						
	2	1	550-7250	2	GASKET						
	3	1	551-5102	1	VALVE GP-EXHAUST GAS (NRS)						
M	4	1	6I-0217	2	BOLT (M8X1.25X20-MM)						
M - METRIC PART											



GRAPHIC #1

<END>

g06448230

AIR INLET AND EXHAUST SYSTEM

510-3936 VALVE GP-SOLENOID

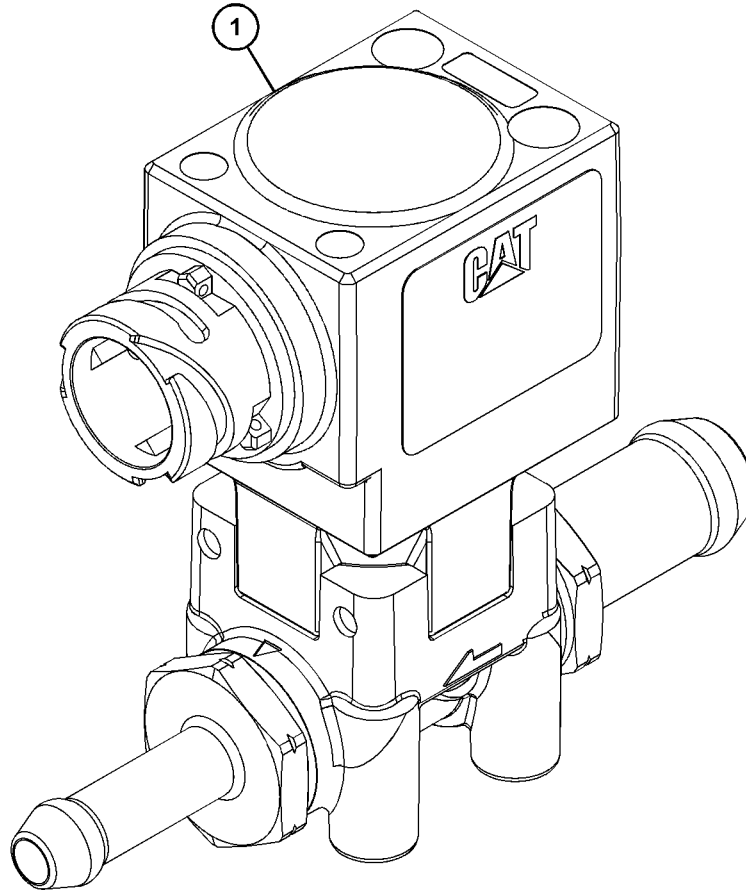
THAW VALVE

PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-108D

i07852603

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	536-3567	1	VALVE AS-SOLENOID (12-VOLT)						



GRAPHIC #1

<END>

g06459207

FUEL SYSTEM

514-0679 FILTER GP-FUEL

12-VOLT

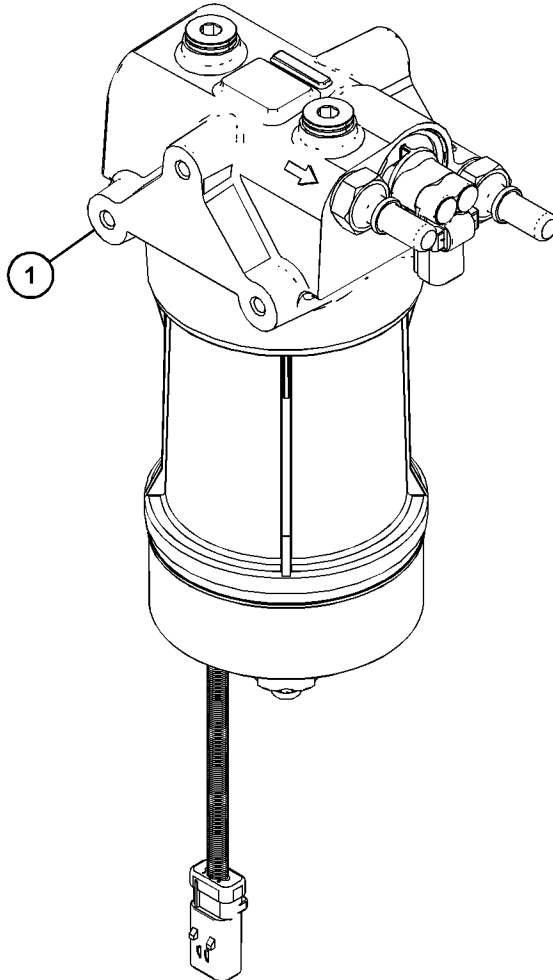
PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-1261

i07965018

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	551-2102	1	FILTER GP-FUEL						84

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06497966

FUEL SYSTEM

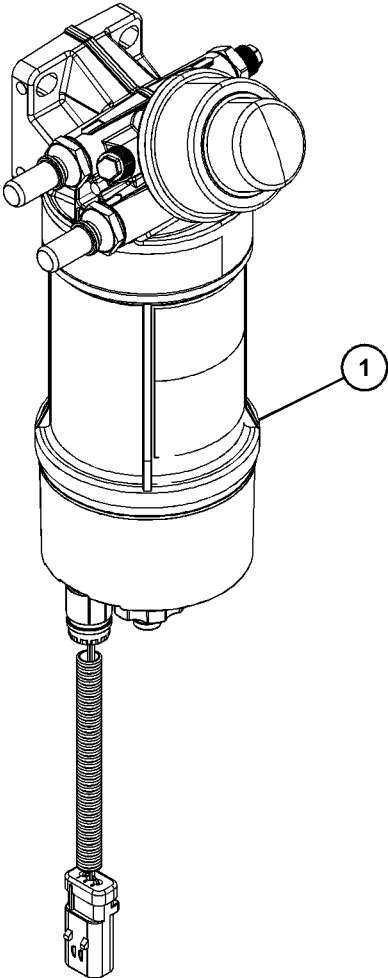
524-2270 FILTER GP-FUEL
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1261

i07817890

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
Y	1	1	561-4316	1	FILTER GP-FUEL						85

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06448273

FUEL SYSTEM

551-2102 FILTER GP-FUEL

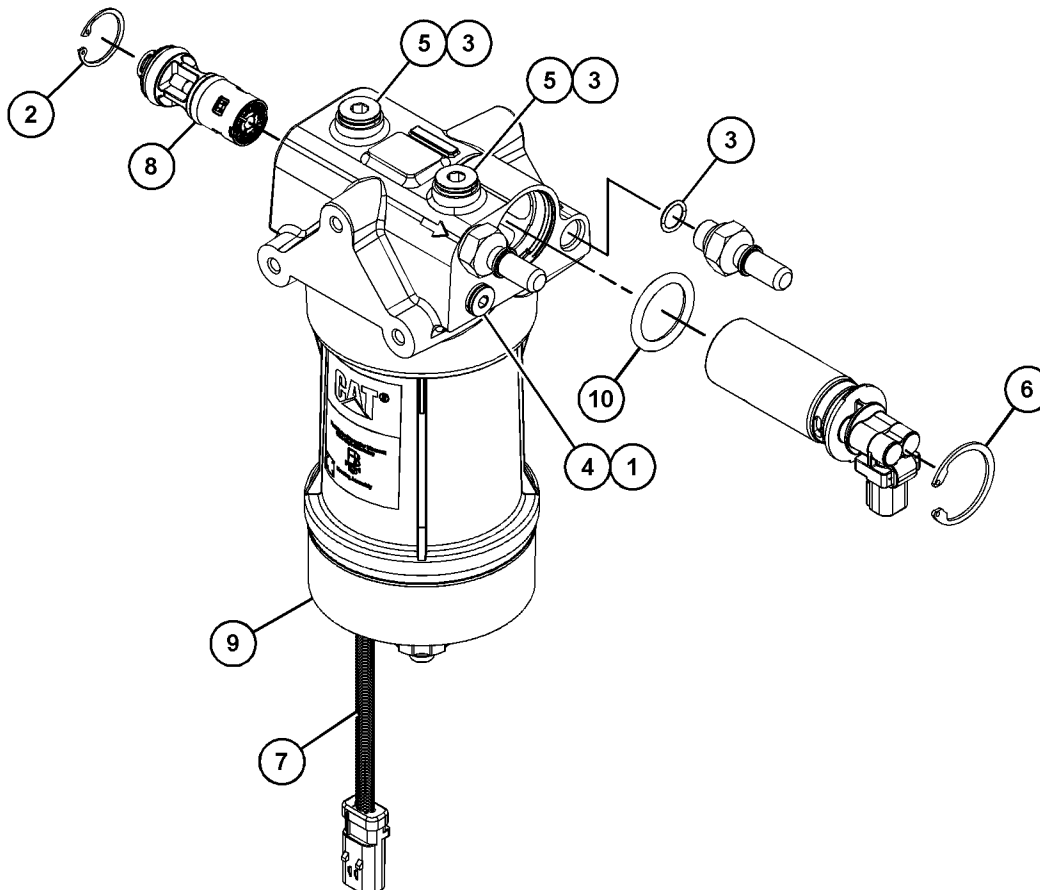
12-VOLT

PART OF 514-0679 FILTER GP-FUEL

SMCS-1261

i07966282

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	228-7100	1	SEAL-O-RING	
	2	1	199-7560	1	RING-RETAINING	
	3	1	228-7102	5	SEAL-O-RING	
	4	1	241-6157	1	PLUG	
	5	1	241-6158	3	PLUG	
	6	1	6V-7723	1	RING-RETAINING	
	7	1	439-5039	1	SENSOR-LEVEL (WATER IN FUEL)	
	8	1	539-7999	1	VALVE AS-CHECK	
J	9	1	523-6601	1	HOUSING AS (FUEL, WATER SEPARATOR)	
		1	523-6602	1	ELEMENT-WATER SEPARATOR	
	10	1	511-4824	1	SEAL-O-RING	
PARTS SHOWN IN GRAPHIC(S) WITHOUT A REFERENCE NUMBER ARE NOT SERVICED SEPARATELY						
AVAILABLE REPAIR KIT(S):						
J			558-4723	1	KIT-DRAIN	
(INCLUDES DRAIN, KNOB & SEALS)						
J - KIT MARKED J SERVICES PART(S) MARKED J						



GRAPHIC #1

<END>

g06504284

FUEL SYSTEM

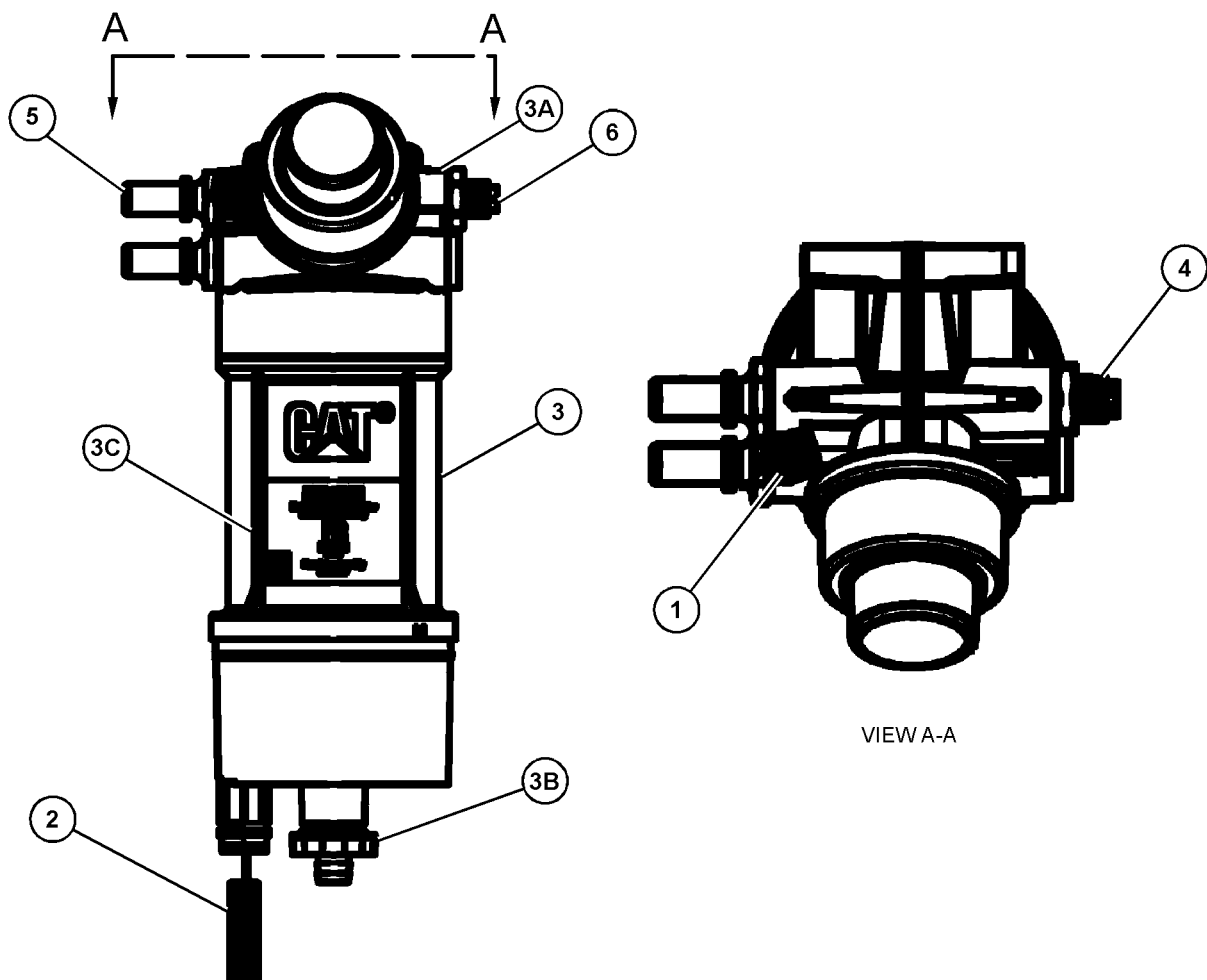
561-4316 FILTER GP-FUEL

PART OF 524-2270 FILTER GP-FUEL

SMCS-1261

i07827041

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	362-8205	1	SCREW-SPECIAL	
	2	1	557-9692	1	SENSOR AS-FUEL LEVEL	
	3	1	540-5117	1	HOUSING AS	
	3A	1	540-5119	1	ELEMENT-WATER SEPARATOR	
	3B	1	558-4723	1	KIT-DRAIN	
					(INCLUDES DRAIN, KNOB & SEALS)	
	3C	1	563-1100	1	FILM-IDENTIFICATION (FUEL FILTER)	
	4	1	492-2811	1	KIT-SCREW	
					(INCLUDES O-RINGS, BLEED SCREW & REDUCER)	
	5	1	367-6361	2	CONNECTOR-HOSE	
	6	1	367-6364	1	PLUG-PORT	



GRAPHIC #1

<END>

g06464461

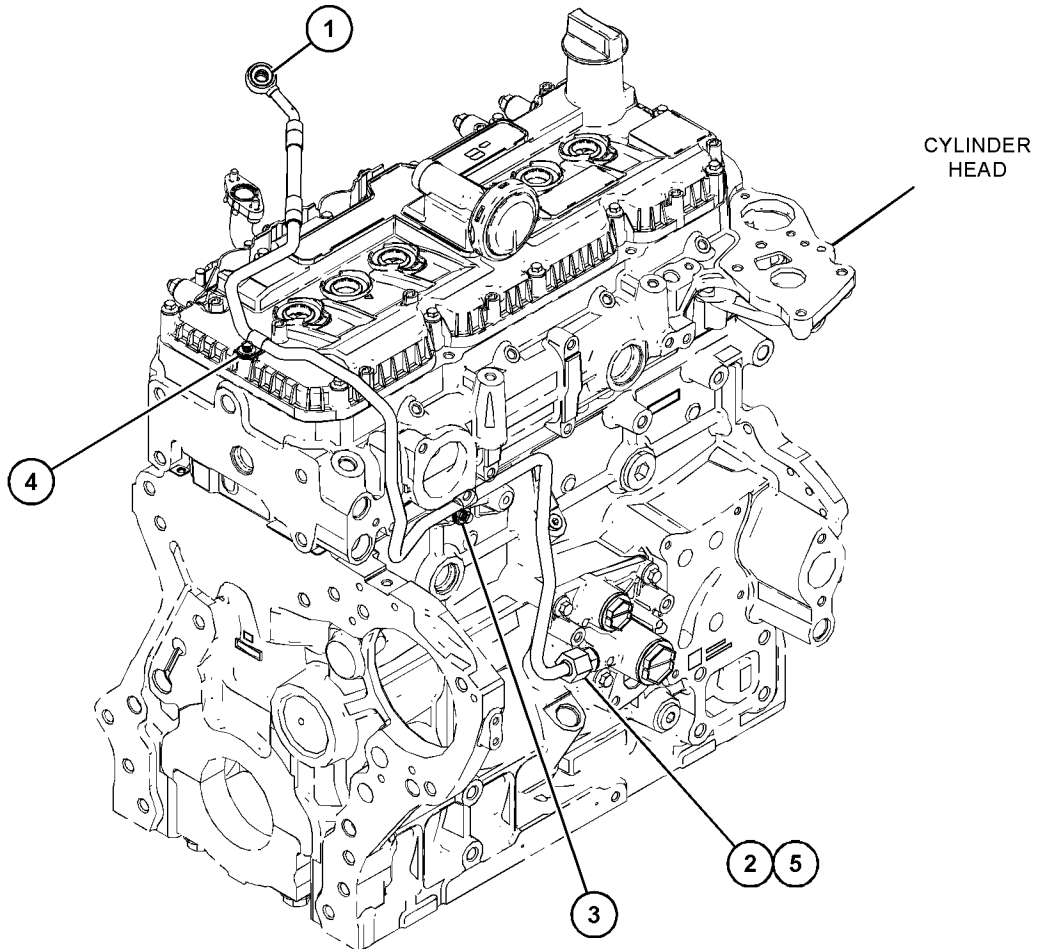
FUEL SYSTEM

544-9836 HOSE & TUBE AS-ENGINE OIL RH PART OF 546-3086 FILTER GP-ENGINE OIL

SMCS-1274

i07877369

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	8L-2777	2	SEAL-O-RING						
	2	1	116-3933	1	NUT						
	3	1	123-2933	1	CLIP						
	4	1	230-8275	1	CLIP-TUBE						
	5	1	537-0001	1	SLEEVE						



GRAPHIC #1

<END>

g06493327

FUEL SYSTEM

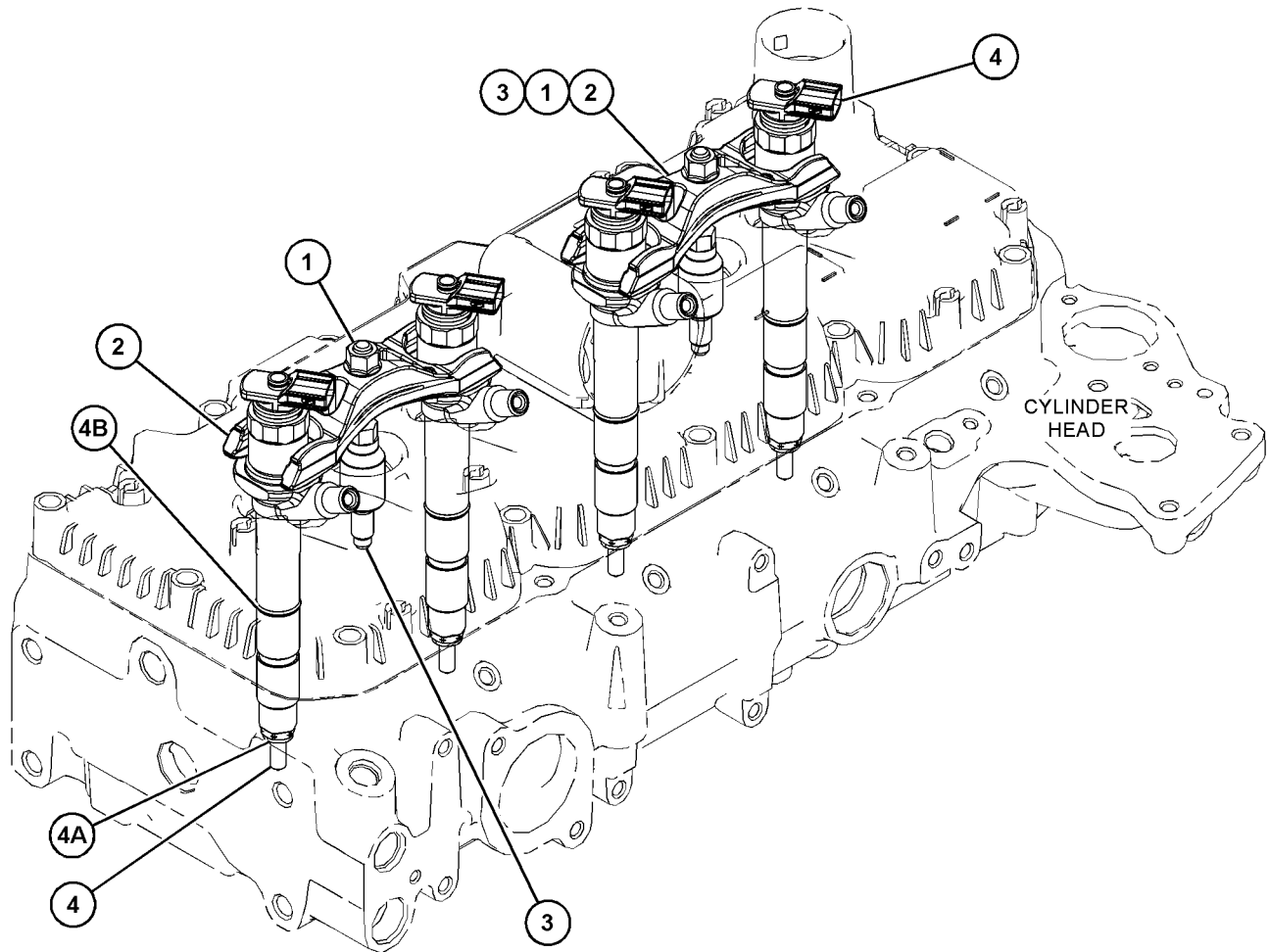
498-7941 INJECTOR GP-FUEL PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1251, 1254, 1290, 1713

i07817941

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	497-9891	2	NUT-HEX (M8X1.25-THD)						
	2	1	501-8533	2	CLAMP-INJECTOR						
	3	1	502-3079	2	STUD						
	4	1	553-8167	4	INJECTOR GP-FUEL						
					(EACH INCLUDES)						
	4A	1	320-8617	1	WASHER (7.05X13.7X1.85-MM THK)						
	4B	1	541-9139	1	SEAL						

M - METRIC PART



GRAPHIC #1

<END>

g06450939

FUEL SYSTEM

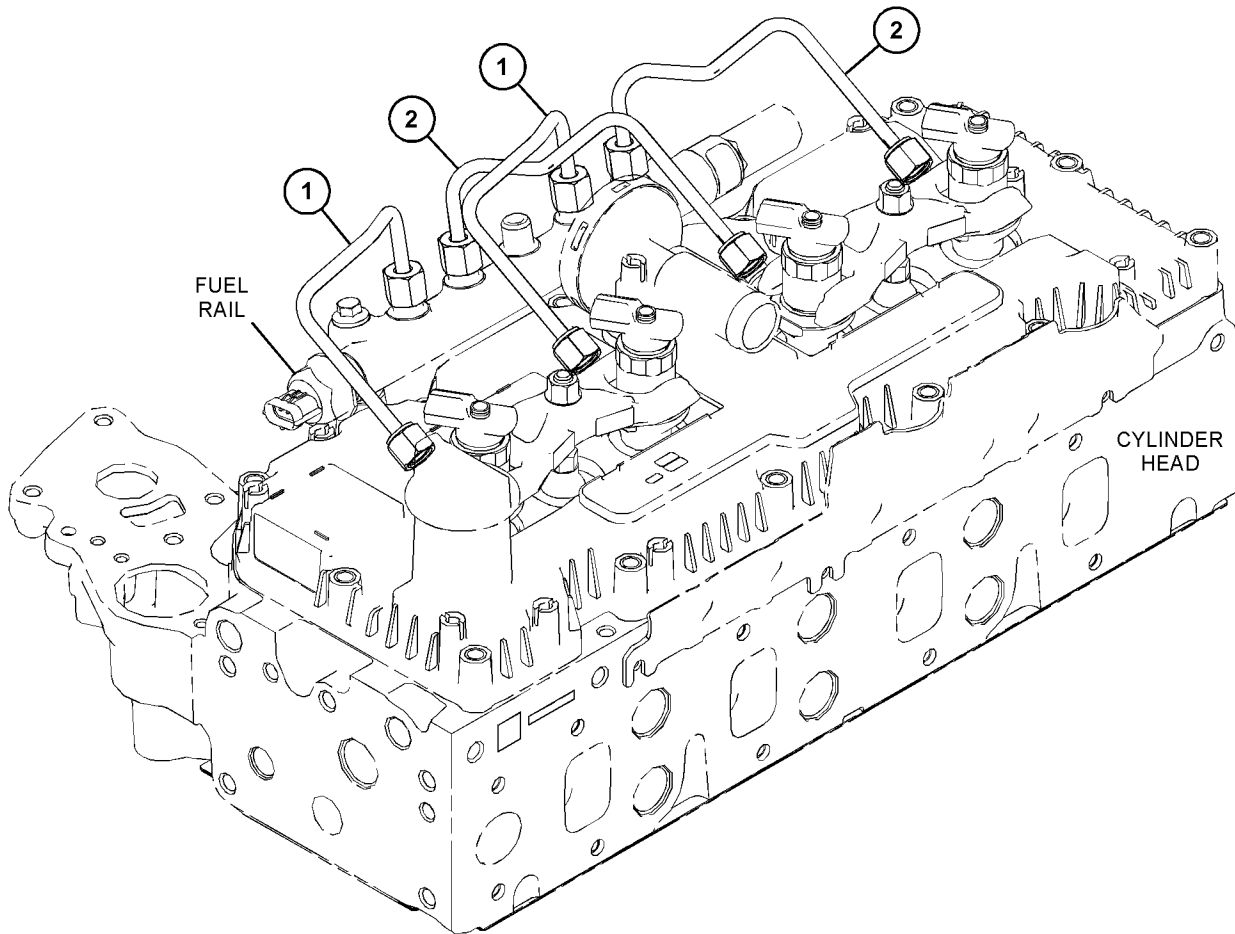
541-6388 LINES GP-FUEL

PART OF 516-2819 RAIL GP-FUEL

SMCS-1274

i07818677

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	505-6501	2	LINE AS-FUEL						
	2	1	505-6505	2	LINE AS-FUEL						



GRAPHIC #1

<END>

g06448226

FUEL SYSTEM

541-9957 LINES GP-FUEL PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

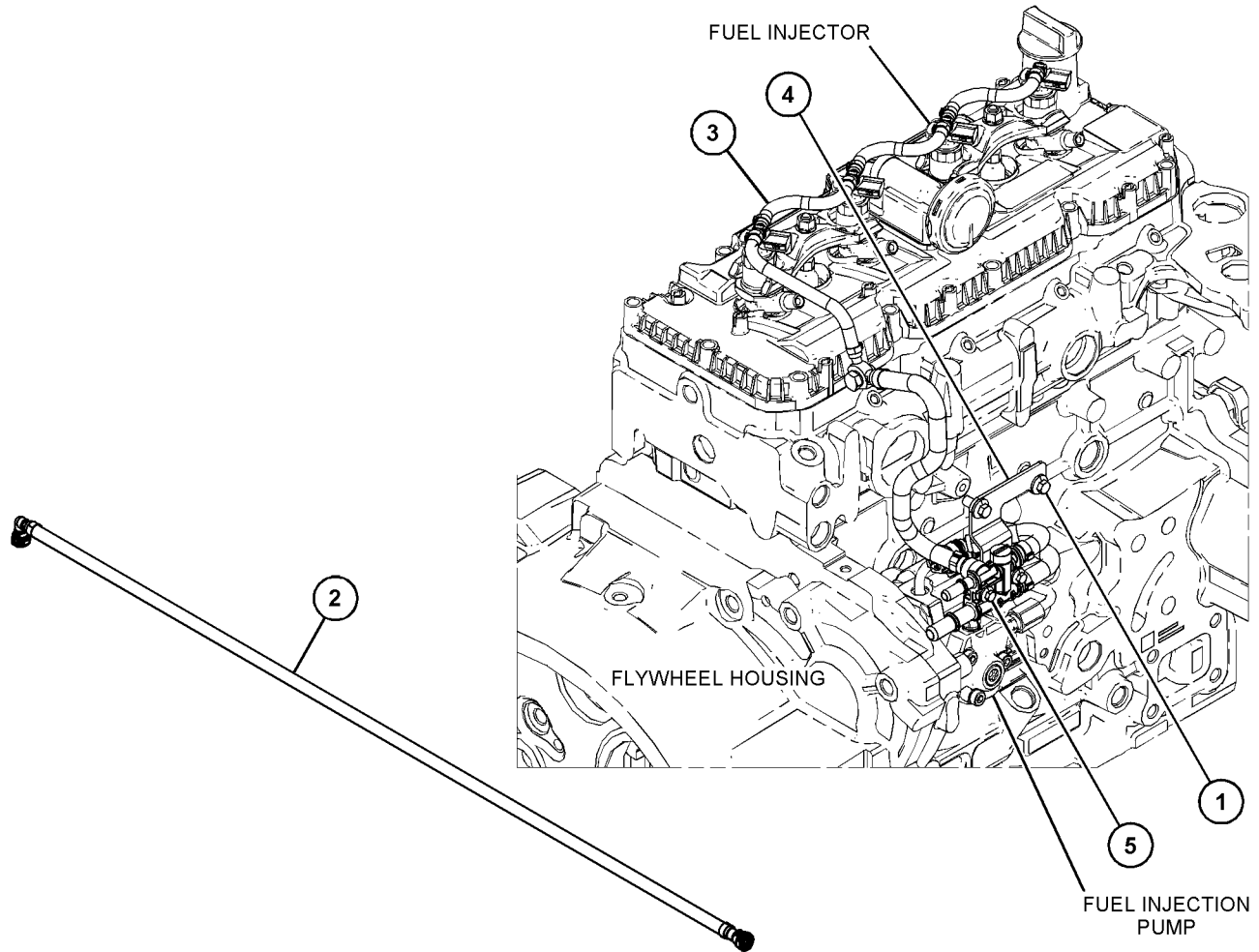
SMCS-1274

i07817944

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	124-3815	2	BOLT (M8X1.25X16-MM)	90
	2	1	536-6191	1	LINE AS-FUEL	
Y	3	1	551-4304	1	LINES GP-FUEL FILTER	
	4	1	560-1958	1	BRACKET AS	
M	5	1	6I-0917	2	BOLT (M6X1X25-MM)	

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06463507

FUEL SYSTEM

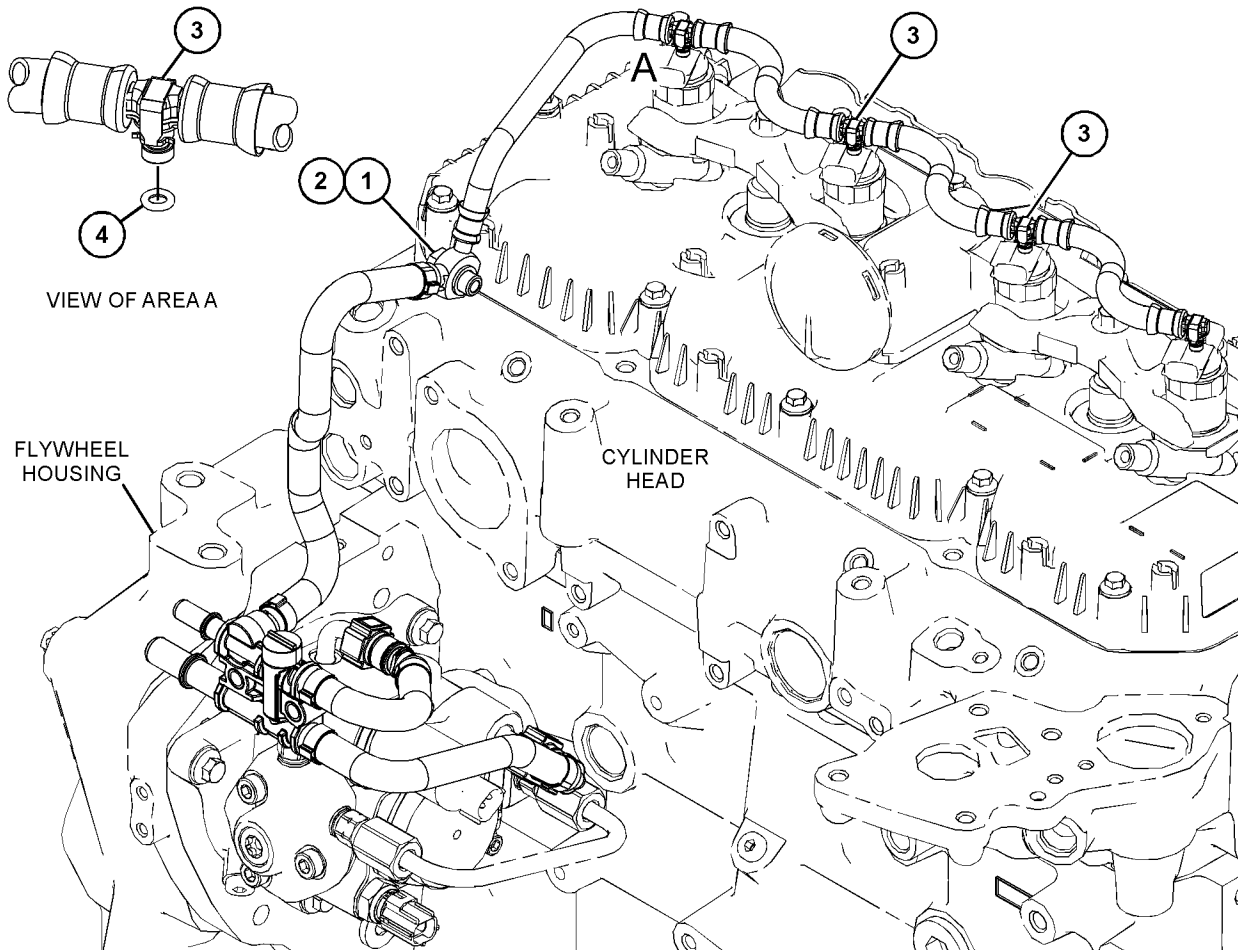
551-4304 LINES GP-FUEL FILTER

PART OF 541-9957 LINES GP-FUEL

SMCS-1261, 1274

i07890209

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	545-8504	1	BOLT						
	2	1	246-4361	2	WASHER (10.5X14X1.5-MM THK)						
	3	1	532-7558	4	CLIP						
	4	1	542-9359	4	SEAL-O-RING						



GRAPHIC #1

<END>

g06498415

FUEL SYSTEM

498-7944 PUMP GP-FUEL INJECTION

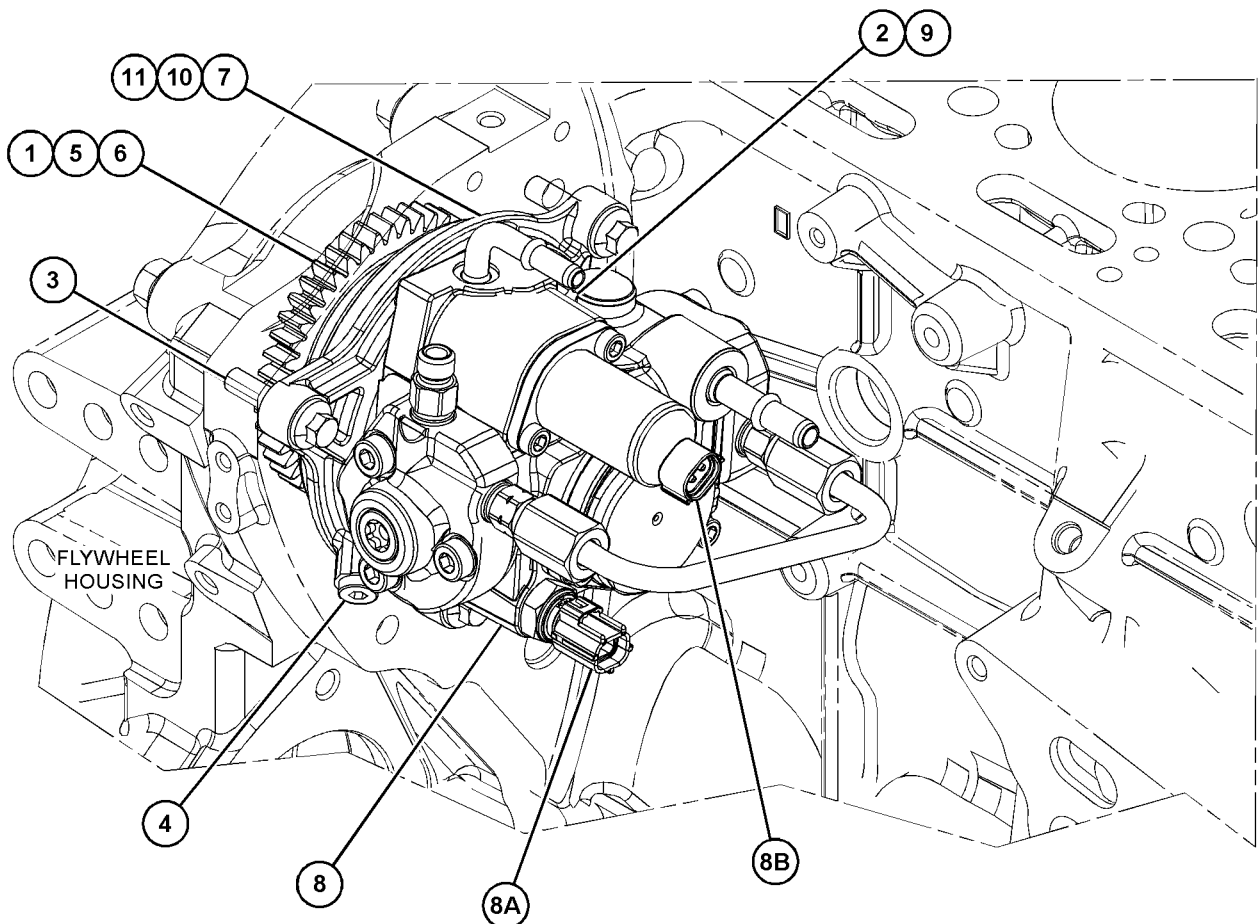
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1251, 1290

i07817963

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
M	1	1	111-3422	1	NUT (M14X1.5-THD)	
M	2	1	331-6841	2	BOLT (M8X1.25X30-MM)	
	3	1	185-7149	3	BOLT (M8X1.25X35-MM)	
	4	1	277-4223	1	PLUG	
	5	1	111-3423	1	WASHER	
	6	1	496-0026	1	GEAR (46-TEETH)	
	7	1	509-9811	1	ADAPTER	
	8	1	553-8165	1	PUMP AS-FUEL INJECTION	
	8A	1	337-3905	1	SENSOR-TEMPERATURE (FUEL)	
	8B	1	358-2583	1	VALVE (12-VOLT)	
	9	1	5W-1437	2	LOCKWASHER	
	10	1	6V-7350	1	SEAL-O-RING	
	11	1	6V-8676	1	SEAL-O-RING	

M - METRIC PART



GRAPHIC #1

<END>

g06446477

FUEL SYSTEM

516-2819 RAIL GP-FUEL

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

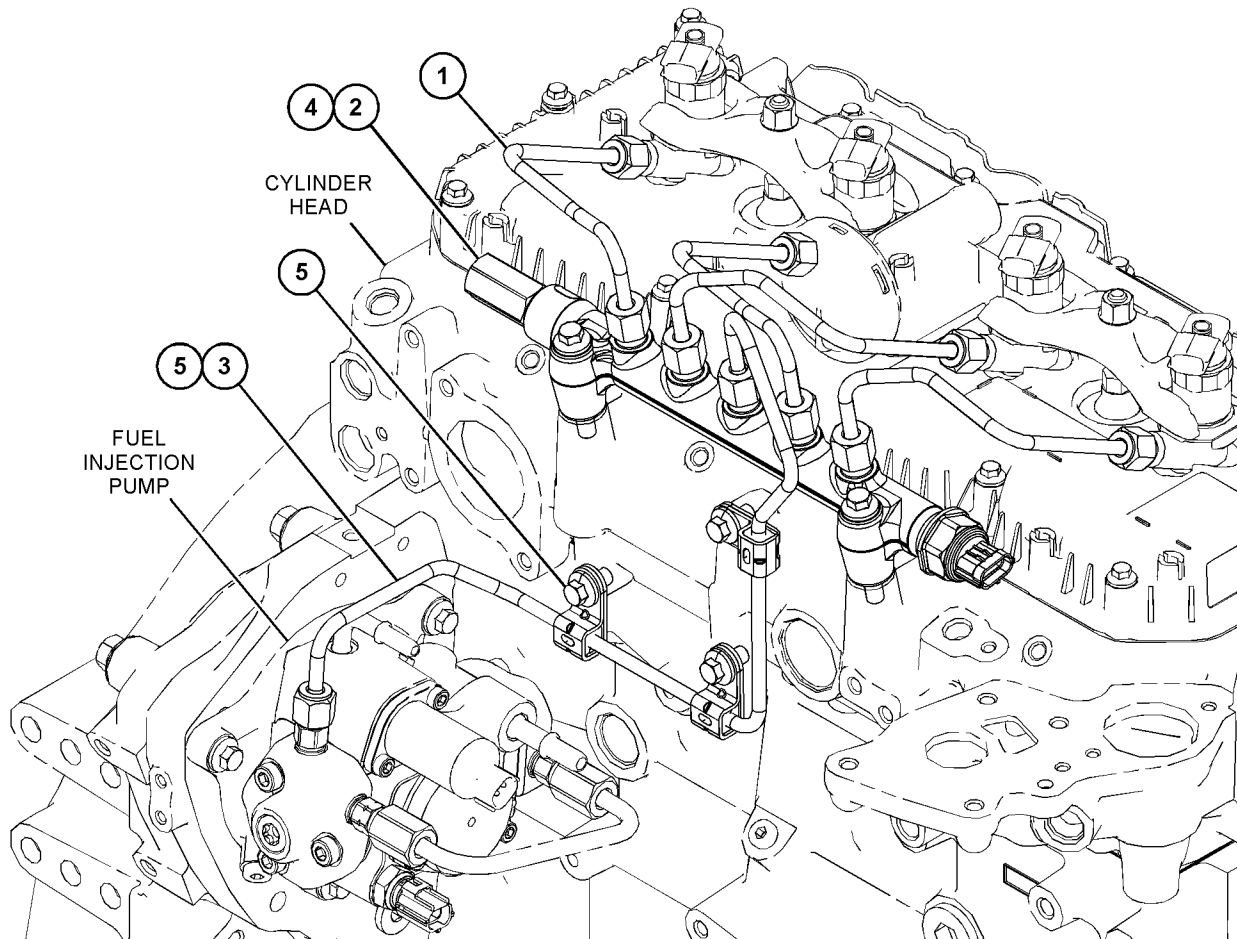
SMCS-1288

i07817964

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
Y	1	1	541-6388	1	LINES GP-FUEL	88
	2	1	553-8166	1	RAIL AS-FUEL	
		1	334-7232	1	VALVE	
	3	1	566-3805	1	LINE AS-FUEL	
M	4	1	6I-0455	2	BOLT (M8X1.25X55-MM)	
M	5	1	6I-4072	3	BOLT (M8X1.25X14-MM)	

M - METRIC PART

Y - SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g06445563

ELECTRICAL AND STARTING SYSTEM

500-8741 ALTERNATOR GP-CHARGING

12-VOLT. 100-AMPERE

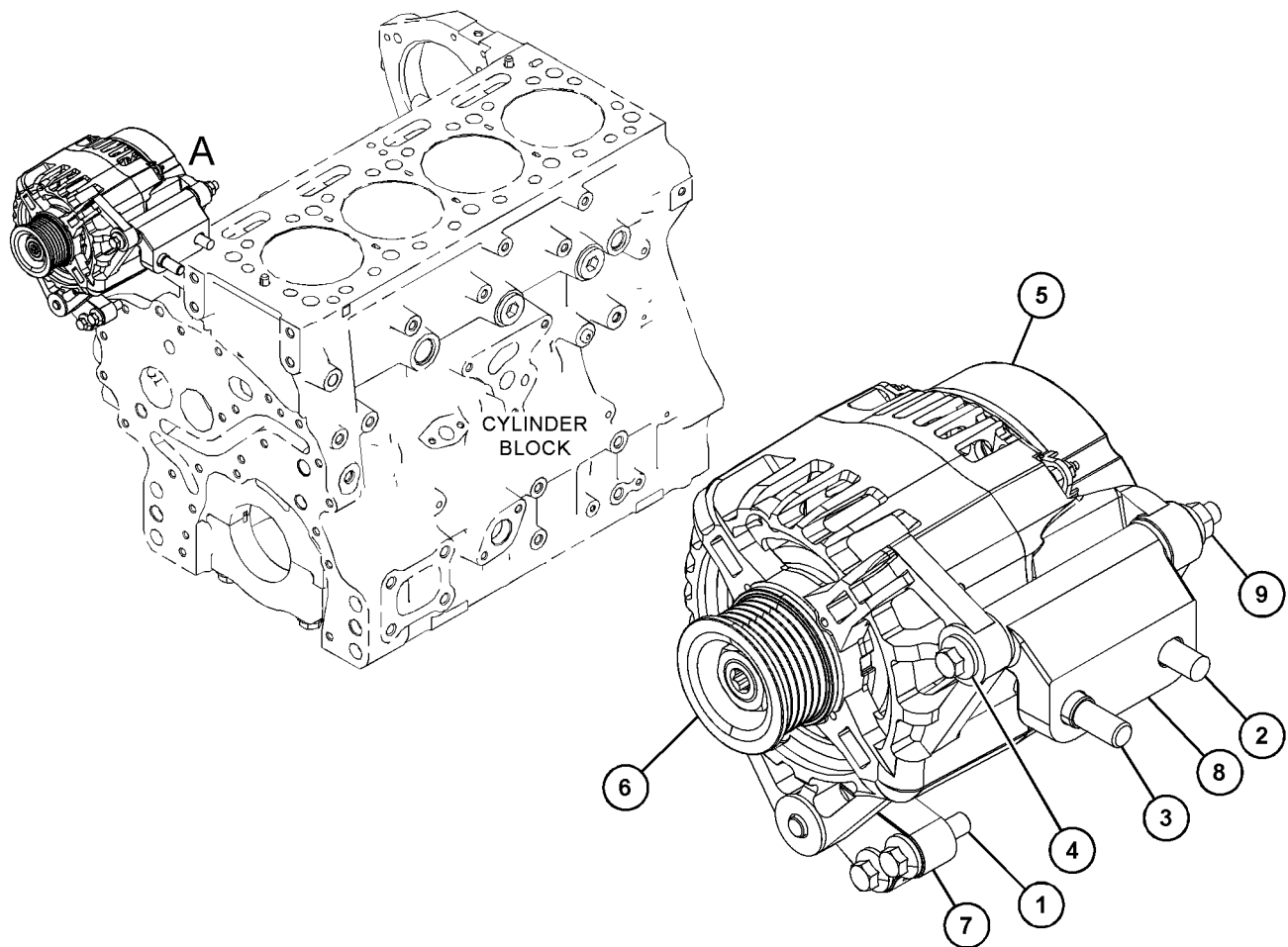
PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-1405

i07978626

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	6I-0254	3	BOLT (M8X1.25X30-MM)						
M	2	1	6I-0654	1	BOLT (M10X1.5X25-MM)						
M	3	1	123-2899	1	BOLT (M10X1.5X40-MM)						
M	4	1	359-9666	1	BOLT-FLANGE HEAD (M8X1.25X130-MM)						
	5	1	383-2556	1	ALTERNATOR (12-VOLT, 100-AMPERE)						
	6	1	499-4378	1	PULLEY						
	7	1	507-3416	1	BRACKET						
	8	1	521-5037	1	BRACKET AS						
M	9	1	178-3336	1	NUT-HEX FLANGE (M8X1.25-THD)						

M - METRIC PART



GRAPHIC #1

<END>

VIEW OF AREA A

g06497437

ELECTRICAL AND STARTING SYSTEM

510-3718 ALTERNATOR GP-CHARGING

24-VOLT, 100-AMPERE

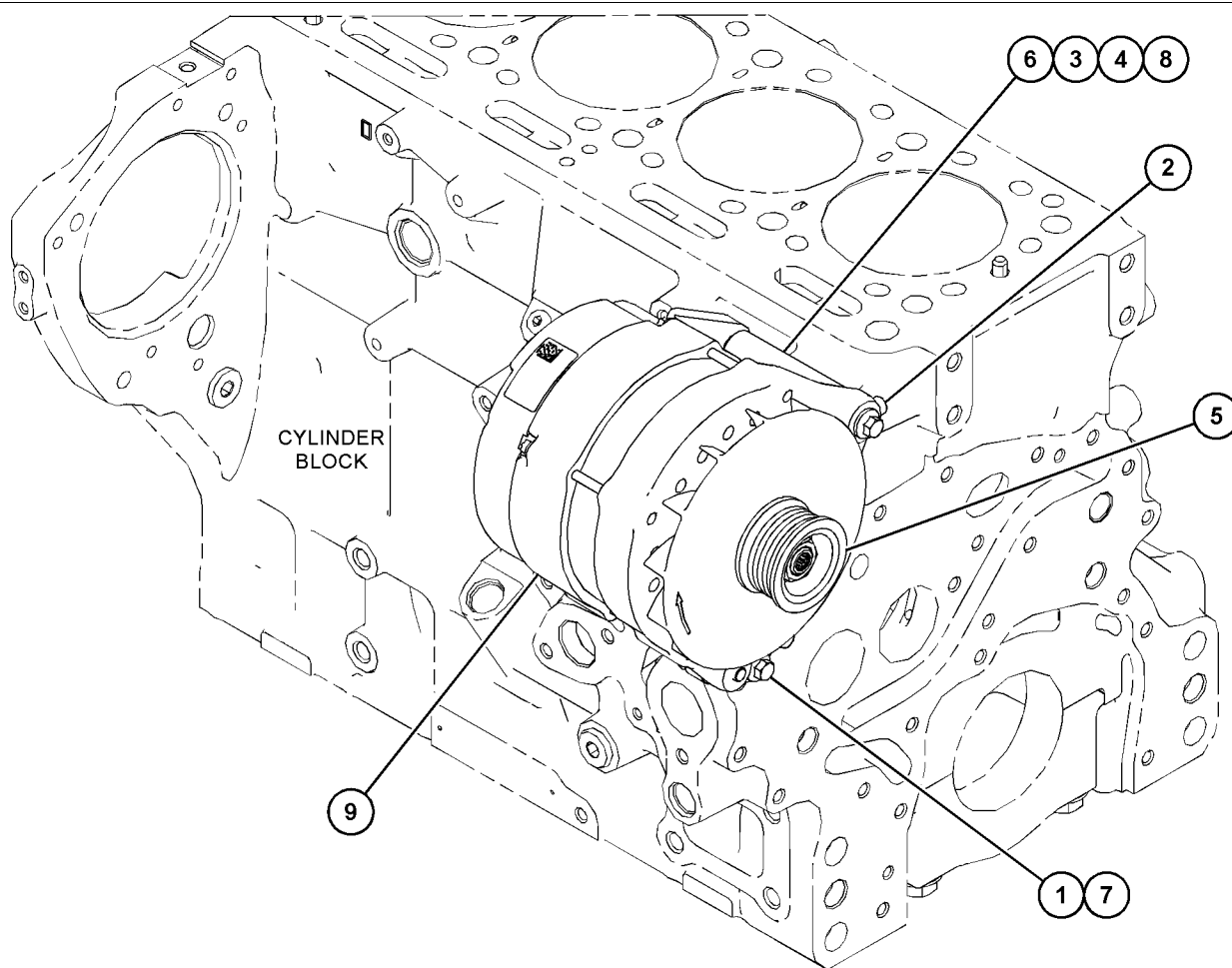
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1405

i07817589

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	6I-0254	3	BOLT (M8X1.25X30-MM)						
M	2	1	6I-0654	1	BOLT (M10X1.5X25-MM)						
M	3	1	123-2899	1	BOLT (M10X1.5X40-MM)						
M	4	1	359-9666	1	BOLT-FLANGE HEAD (M8X1.25X130-MM)						
	5	1	499-4378	1	PULLEY						
	6	1	512-3125	1	BRACKET AS						
	7	1	512-8154	1	BRACKET						
M	8	1	178-3336	1	NUT-HEX FLANGE (M8X1.25-THD)						
	9	1	515-4385	1	ALTERNATOR (24-VOLT, 100-AMPERE)						

M - METRIC PART



GRAPHIC #1

<END>

g06447277

ELECTRICAL AND STARTING SYSTEM

540-1539 CONTROL & MTG GP-ELECTRONIC

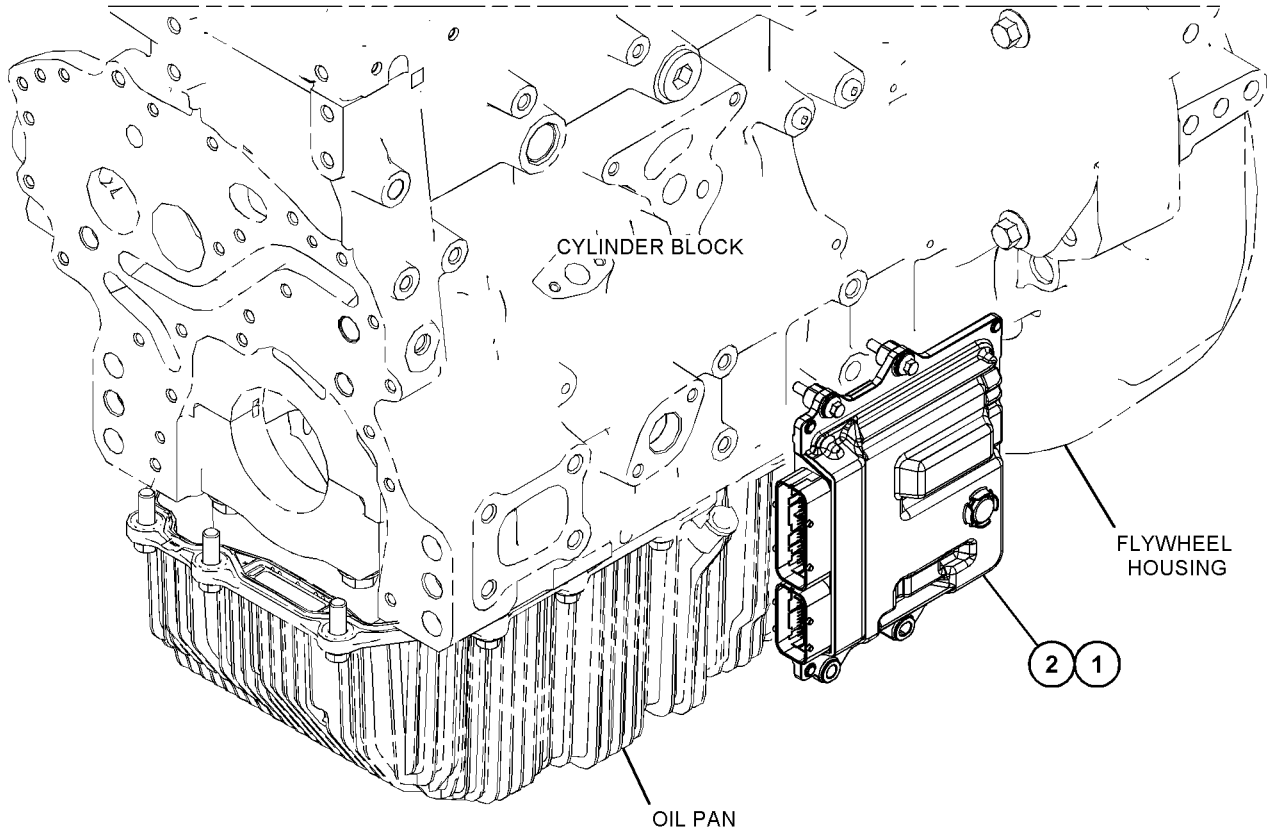
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1901, 7610

i07817593

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
M	1	1	112-7704	2	BOLT (M6X1X30-MM)	
	2	1	491-5836	1	CONTROL GP-ELECTRONIC	

M - METRIC PART



GRAPHIC #1

<END>

g06447215

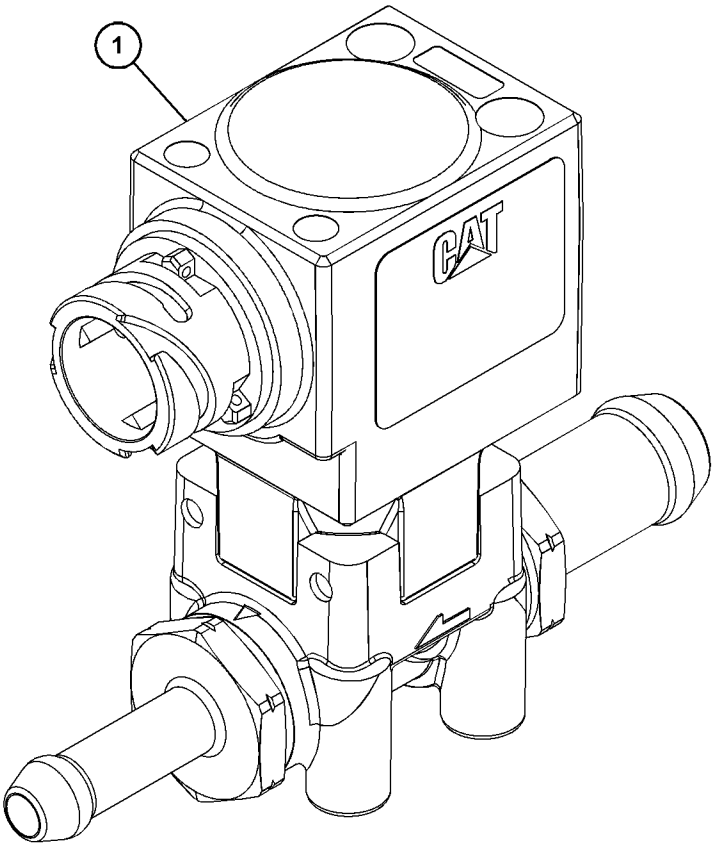
ELECTRICAL AND STARTING SYSTEM

512-8182 ELECTRICAL GP-DEF
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-108H

i07817604

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	536-3568	1	VALVE GP-SOLENOID (24-VOLT)						



GRAPHIC #1

<END>

g06448488

ELECTRICAL AND STARTING SYSTEM

518-4821 HARNESS AS-ENGINE

PART OF 541-6909, 541-6931 WIRING GP-ENGINE

SMCS - 1408

i07828833

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
E	292-2896		CONDUIT (16.9-MM ID) (20-CM)						
E	292-6812		CONDUIT (6.5-MM ID) (169-CM)						
	416-7158	1	COVER-CONNECTOR						
	311-8103	2	FASTENER AS						
	536-9815	1	HARNESS AS-POWER						
	091-7473	2	SPLICE-WIRE						
	107-3135	2	TERMINAL (16-GA TO 20-GA)						
	331-4226	1	KIT-CONNECTING PLUG (2-PIN)						
	155-2270	1	KIT-CONNECTING PLUG (2-PIN)						
			(EACH PLUG KIT INCLUDES PLUG AS, WEDGE, & INTERFACE SEAL)						
	202-5400	2	PLUG						
	550-0158	2	PLUG AS						
			(EACH INCLUDES)						
	223-4779	4	TERMINAL-BLADE (14-GA TO 16-GA)						
	185-1861	4	SEAL-WIRE						
	240-7874	1	PLUG AS-CONNECTOR (2-PIN)						
	281-3115	2	PLUG AS-CONNECTOR (2-PIN)						
			(EACH PLUG AS INCLUDES)						
	455-0704	1	SEAL-CONNECTOR						
	539-7796	1	PLUG AS-CONNECTOR						
	550-0159	3	PLUG AS-CONNECTOR						
			(EACH INCLUDES)						
	279-5772	6	SEAL						
	536-7943	3	PLUG AS-CONNECTOR						
			(EACH INCLUDES)						
	369-3774	3	SEAL-CONNECTOR						
	536-7944	3	PLUG AS-CONNECTOR						
			(EACH INCLUDES)						
	369-3774	4	SEAL-CONNECTOR						
	550-0160	2	PLUG AS-CONNECTOR						
			(EACH INCLUDES)						
	369-3774	6	SEAL-CONNECTOR						
	369-3774	19	SEAL-CONNECTOR						
	185-1860	4	SEAL-WIRE						
	278-4164	42	SOCKET						
	430-4441	2	SOCKET-CONNECTOR						
	9X-3402	8	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	8T-8730	5	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	356-1219	1	STRAP-CABLE						
	206-1345	18	STRAP-CABLE						
	1S-9593	8	STRAP-CABLE						
B	1P-0810		TAPE-ELECTRICAL						
B	329-3734		TAPE-ELECTRICAL						
	158-6706	4	TERMINAL (18-GA)						
	107-3135	8	TERMINAL (16-GA TO 20-GA)						
	536-5514	3	TERMINAL AS						
	542-2303	5	TERMINAL AS						
			(EACH INCLUDES)						
	369-3774	1	SEAL-CONNECTOR						

ELECTRICAL AND STARTING SYSTEM

518-4821 HARNESS AS-ENGINE (contd.)

i07828833

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	332-7865	2	TIE-CABLE						
E	125-7874		TUBE-HEAT SHRINK (5.72-MM DIA) (30-CM)						
	365-5772	1	WIRE AS						
	365-5773	1	WIRE AS						
	365-5774	1	WIRE AS						
B - USE AS REQUIRED									
E - ORDER BY THE CENTIMETER									
<END>									

520-4107 HARNESS AS-ENGINE

PART OF 541-6909 WIRING GP-ENGINE

SMCS-1408

i07979023

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	8C-6354	1	CAP-RECEPTACLE (ET CONNECTOR)						
	274-3785	1	CAP-SEAL						
E	292-2893		CONDUIT (10.1-MM ID) (24-CM)						
E	292-2898		CONDUIT (60-CM)						
E	292-6812		CONDUIT (6.5-MM ID) (25-CM)						
	234-7551	1	COVER-PROTECTIVE						
	563-5936	1	KIT-TERMINAL						
			(INCLUDES TERMINAL ASSEMBLIES)						
	278-4163	42	PIN						
	7T-0093	6	PIN-CONNECTOR (12-GA TO 14-GA)						
	9X-3401	4	PIN-CONNECTOR (16-GA TO 18-GA)						
	9X-3401	64	PIN-CONNECTOR (16-GA TO 18-GA)						
	8T-8729	15	PIN-CONNECTOR (16-GA TO 20-GA)						
	281-3395	1	PLUG AS-CONNECTOR (12-PIN)						
	455-0709	1	SEAL-CONNECTOR						
	528-2181	1	PLUG AS-CONNECTOR						
	522-7349	1	COVER AS						
	528-2182	1	PLUG AS-CONNECTOR						
	522-7350	1	COVER AS						
	8T-8737	11	PLUG-SEAL						
	169-0705	5	PLUG-SEAL						
	491-9667	12	PLUG-SEAL						
	270-1784	1	RECEPTACLE						
	175-3366	1	RECEPTACLE AS						
	197-7259	1	RECEPTACLE AS-CONNECTOR (19-PIN)						
	185-1861	6	SEAL-WIRE						
	9X-3402	10	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	217-9039	2	STRAP-CABLE						
	559-6883	104	TERMINAL AS						
	559-6884	24	TERMINAL AS						
	559-6885	6	TERMINAL AS						
	185-1861	1	SEAL-WIRE						
	5P-5592	1	TERMINAL-RING (18-GA TO 22-GA, 1/4-IN SCREW)						
E	119-3662		TUBE-HEAT SHRINK (10.85-MM DIA) (13-CM)						
E	125-7874		TUBE-HEAT SHRINK (5.72-MM DIA) (60-CM)						
E - ORDER BY THE CENTIMETER									
<END>									

ELECTRICAL AND STARTING SYSTEM

520-4109 HARNESS AS-ENGINE

PART OF 541-6931 WIRING GP-ENGINE

SMCS-1408

i07828832

NOTE	PART NUMBER	QTY	PART NAME						SEE PAGE
			1	2	3	4	5	6 (PRODUCT LEVEL)	
	8C-6354	2	CAP-RECEPTACLE (ET CONNECTOR)						
	274-3785	1	CAP-SEAL						
E	292-2893		CONDUIT (10.1-MM ID) (24-CM)						
E	292-2898		CONDUIT (60-CM)						
E	292-6812		CONDUIT (6.5-MM ID) (25-CM)						
	234-7551	1	COVER-PROTECTIVE						
	563-5936	1	KIT-TERMINAL						
			(INCLUDES TERMINAL ASSEMBLIES)						
	278-4163	42	PIN						
	7T-0093	6	PIN-CONNECTOR (12-GA TO 14-GA)						
	9X-3401	4	PIN-CONNECTOR (16-GA TO 18-GA)						
	9X-3401	64	PIN-CONNECTOR (16-GA TO 18-GA)						
	8T-8729	15	PIN-CONNECTOR (16-GA TO 20-GA)						
	281-3395	1	PLUG AS-CONNECTOR (12-PIN)						
	455-0709	1	SEAL-CONNECTOR						
	528-2181	1	PLUG AS-CONNECTOR						
	522-7349	1	COVER AS						
	528-2182	1	PLUG AS-CONNECTOR						
	522-7350	1	COVER AS						
	8T-8737	11	PLUG-SEAL						
	491-9666	40	PLUG-SEAL						
	491-9667	12	PLUG-SEAL						
	270-1784	1	RECEPTACLE						
	175-3366	1	RECEPTACLE AS						
	197-7259	1	RECEPTACLE AS-CONNECTOR (19-PIN)						
	169-0705	5	PLUG-SEAL						
	185-1861	6	SEAL-WIRE						
	9X-3402	10	SOCKET-CONNECTOR (16-GA TO 18-GA)						
	217-9039	2	STRAP-CABLE						
	559-6883	104	TERMINAL AS						
	559-6884	24	TERMINAL AS						
	559-6885	6	TERMINAL AS						
	5P-5592	1	TERMINAL-RING (18-GA TO 22-GA, 1/4-IN SCREW)						

E - ORDER BY THE CENTIMETER

<END>

ELECTRICAL AND STARTING SYSTEM

540-3113 SENSOR GP-ENGINE

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1403, 1718, 1906, 1907, 1912, 1917, 1923, 1924,
1925, 1928, 1929, 7400, 7422

i07817965

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	199-9267	1	SEAL-O-RING	
	2	1	274-1639	2	SEAL (FUEL SYSTEM)	
MR	3	1	100-4838	1	BOLT (M6X1X20-MM)	
M	4	1	112-7704	2	BOLT (M6X1X30-MM)	
	5	1	217-9039	3	STRAP-CABLE	
	6	1	256-6454	1	SENSOR-TEMPERATURE (2-PIN)	
	7	1	474-3231	1	SENSOR AS-TEMPERATURE (2-PIN)	
		1	281-8802	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
	8	1	481-5928	1	SENSOR-SPEED (LH)	
	8A	1	481-5928	1	SENSOR-SPEED (RH)	
	9	1	500-3341	1	SENSOR AS-TEMP & PRESS	
	10	1	513-0267	1	SENSOR GP-PRESSURE	
	11	1	529-8053	1	SWITCH AS-PRESSURE	
	12	1	542-4656	1	SENSOR AS-TEMPERATURE	
		1	9X-3401	2	PIN-CONNECTOR (16-GA TO 18-GA)	
	13	1	199-9751	1	SEAL-O-RING	
M	14	1	6I-0572	2	BOLT (M8X1.25X20-MM)	

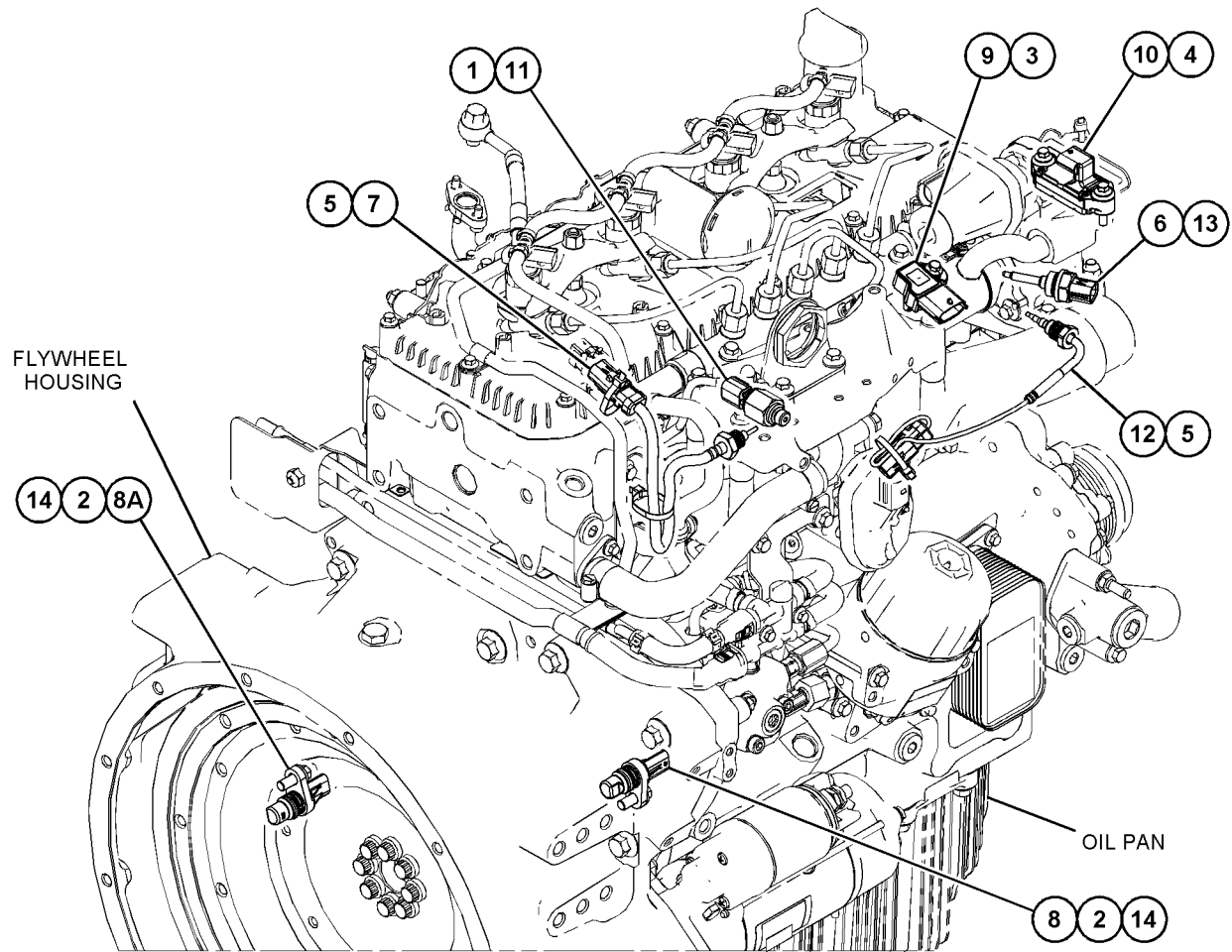
M - METRIC PART

R - REMANUFACTURED PART MAY BE AVAILABLE

ELECTRICAL AND STARTING SYSTEM

540-3113 SENSOR GP-ENGINE (contd.)

i07817965



GRAPHIC #1

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g06450408

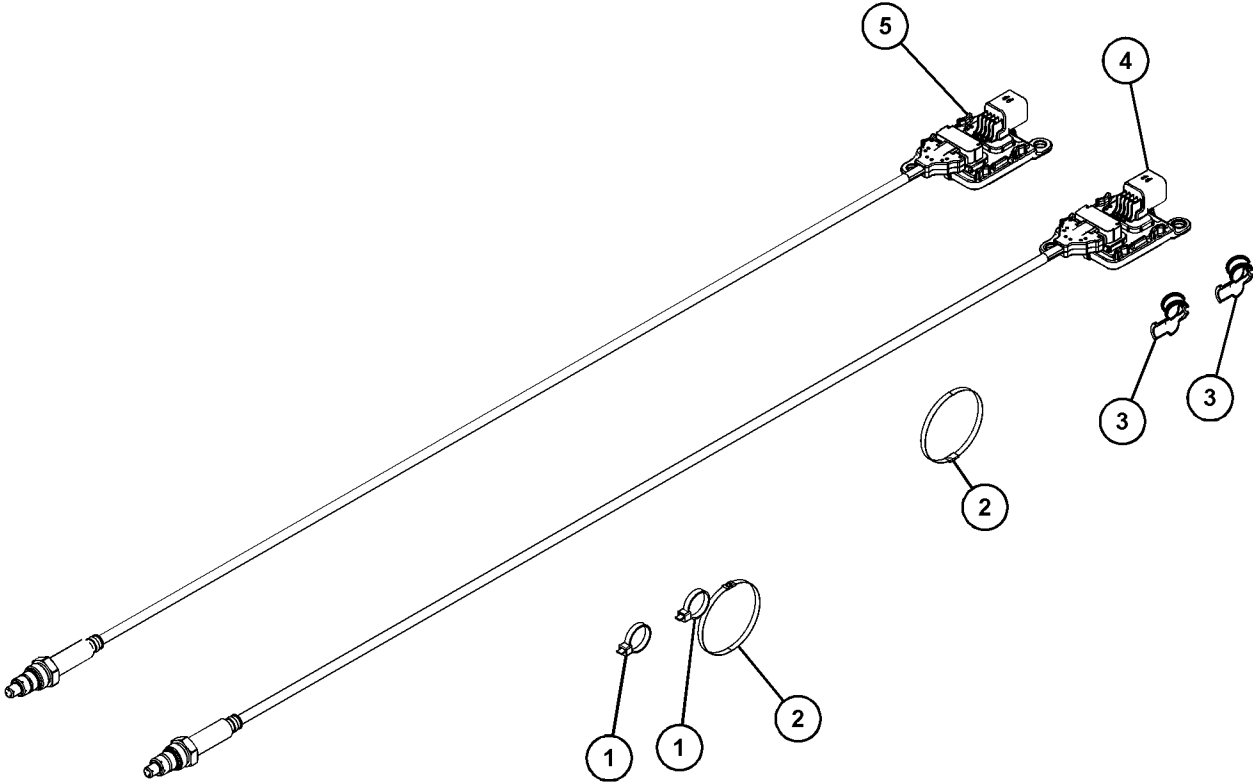
ELECTRICAL AND STARTING SYSTEM

514-1719 **SENSOR GP-NITROGEN OXIDE**
PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-191N

i07989583

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	217-9039	2	STRAP-CABLE						
	2	1	290-1993	2	STRAP-CABLE						
	3	1	505-3153	2	BELL-END						
	4	1	539-0117	1	SENSOR AS-NITROGEN OXIDE (ENGINE OUTPUT)						
	5	1	539-0118	1	SENSOR AS-NITROGEN OXIDE (EXHAUST PIPE OUT)						



GRAPHIC #1

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g06489536

ELECTRICAL AND STARTING SYSTEM

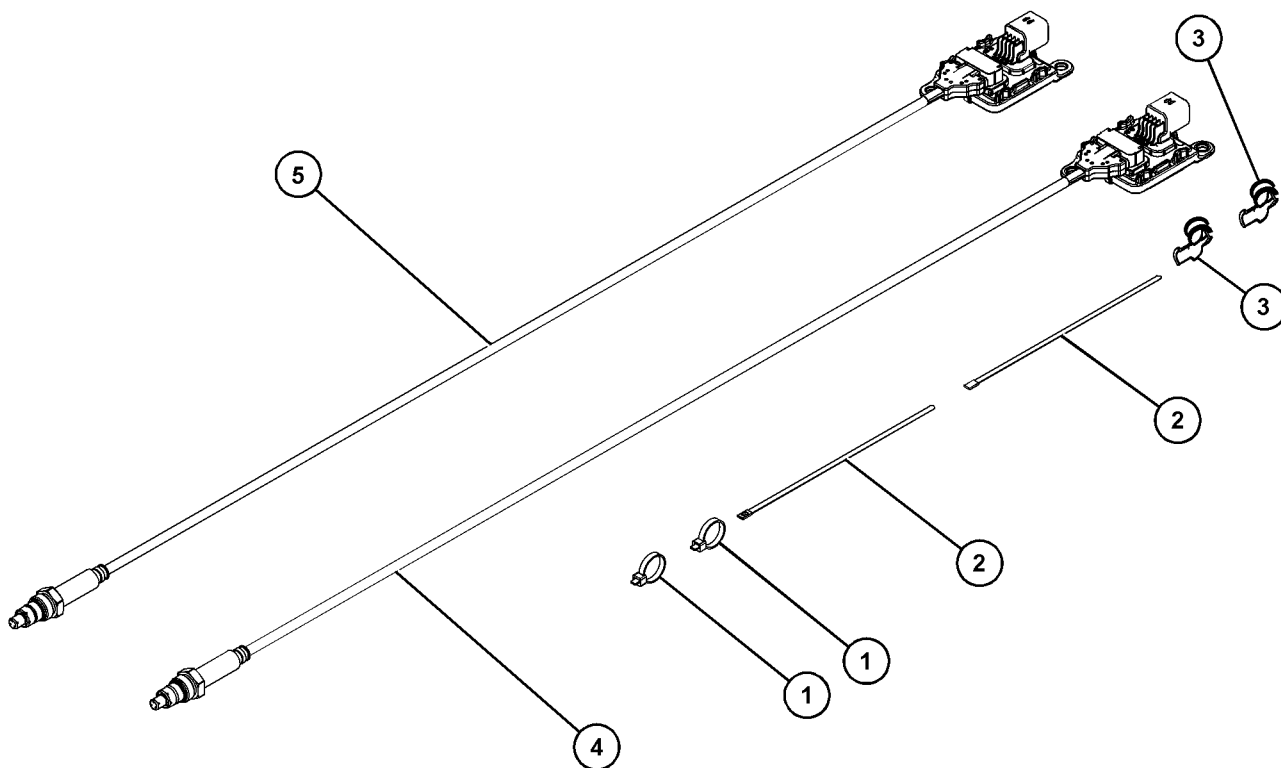
514-7407 SENSOR GP-NITROGEN OXIDE

PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-191N

i07817967

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	217-9039	2	STRAP-CABLE						
	2	1	290-1993	2	STRAP-CABLE						
	3	1	505-3153	2	BELL-END						
	4	1	539-0117	1	SENSOR AS-NITROGEN OXIDE (ENGINE OUTPUT)						
	5	1	539-0118	1	SENSOR AS-NITROGEN OXIDE (EXHAUST PIPE OUT)						



GRAPHIC #1

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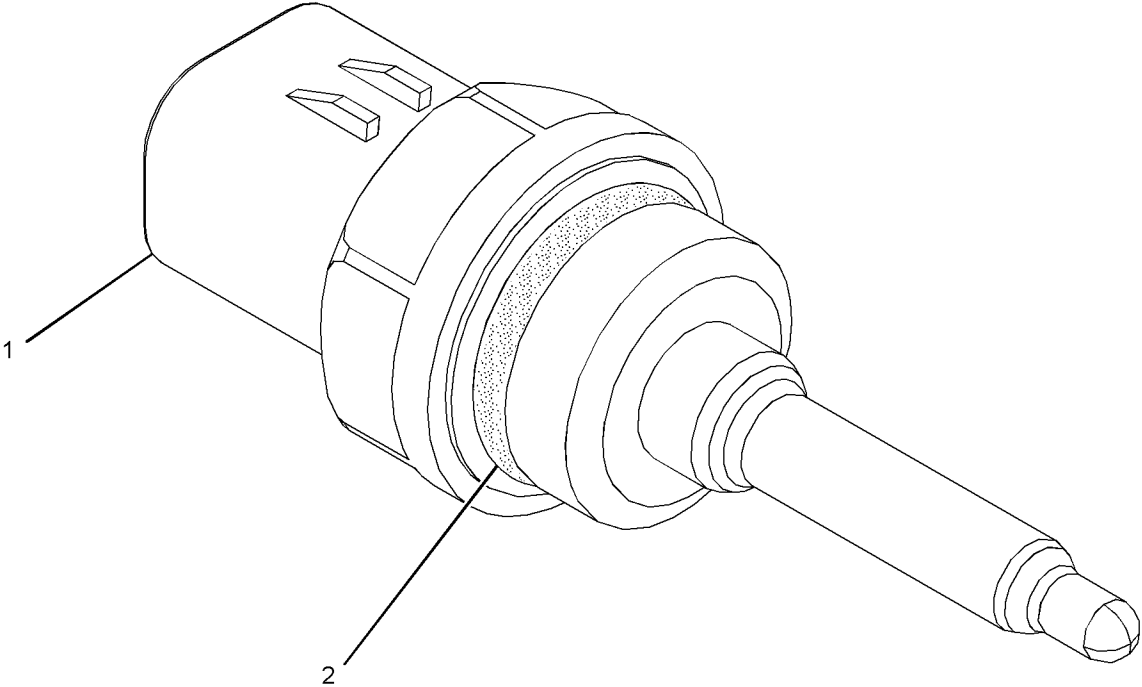
ELECTRICAL AND STARTING SYSTEM

377-9847 **SENSOR GP-TEMPERATURE**
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1906, 1919, 1921, 1922, 1928, 1929

i04588890

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	256-6454	1	SENSOR-TEMPERATURE (2-PIN)	
	2	1	228-7103	1	SEAL-O-RING	



GRAPHIC #1

<END>

g02731844

ELECTRICAL AND STARTING SYSTEM

519-7383 STARTING AID GP

24-VOLT

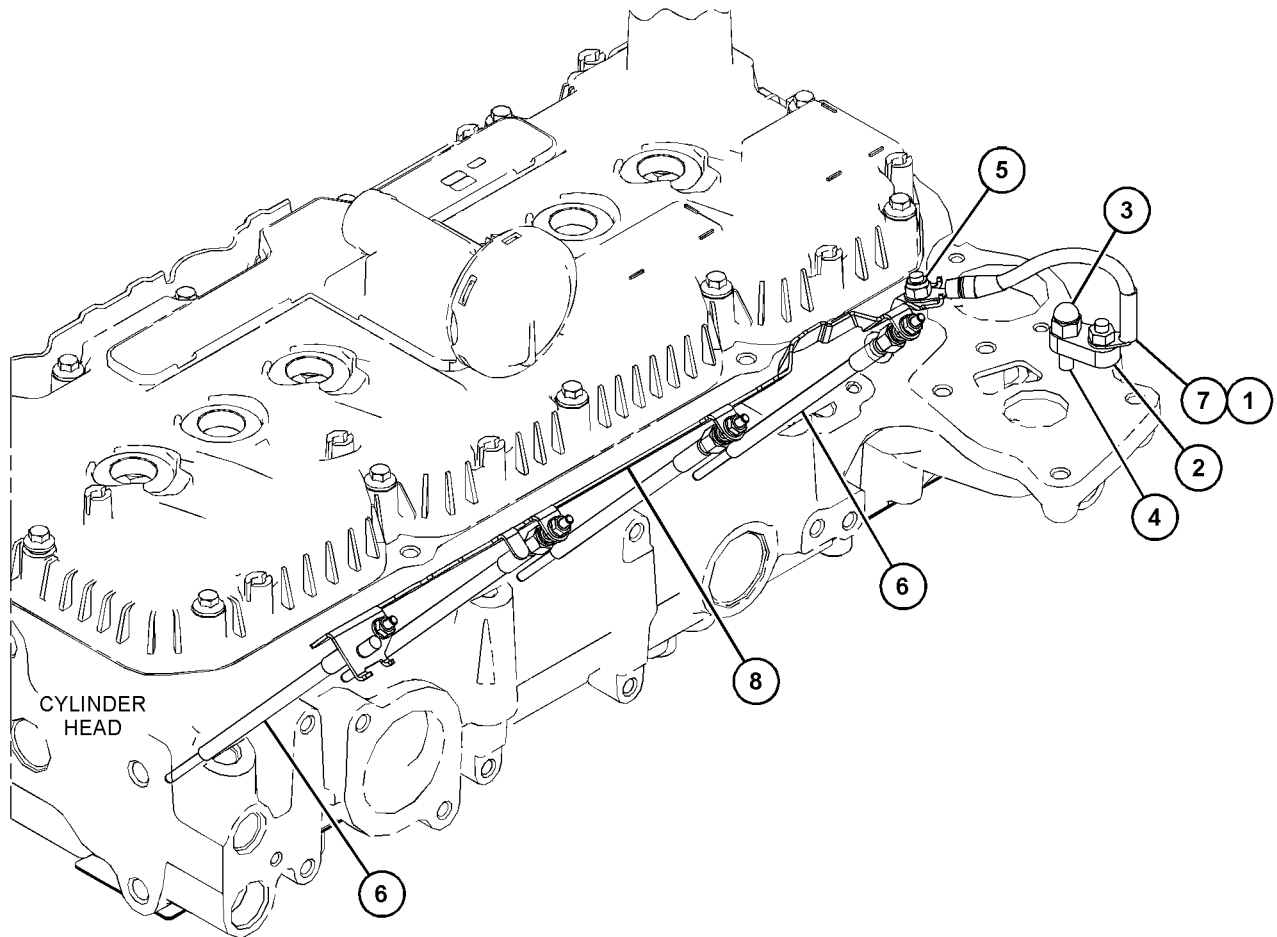
PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1090

i07817588

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	5C-2890	1	NUT (M6X1-THD)	
	2	1	275-2428	1	INSULATOR	
	3	1	277-4409	1	CAP	
M	4	1	215-3790	1	BOLT (M6X1X20-MM)	
	5	1	369-0473	1	LOCKNUT	
	6	1	492-5105	4	PLUG	
	7	1	500-2451	1	HARNESS AS-WIRING	
E		1	6V-9023		TUBE-HEAT SHRINK (12.7-MM DIA) (5-CM)	
		1	2L-8050	1	TERMINAL-RING (6-GA, 1/4-IN SCREW)	
					-OR-	
		1	2L-8058	1	TERMINAL-RING (8-GA, 1/4-IN SCREW)	
	8	1	559-2797	1	BUS BAR	

E - ORDER BY THE CENTIMETER
M - METRIC PART



GRAPHIC #1

<END>

g06449044

ELECTRICAL AND STARTING SYSTEM

502-6352 STARTING MOTOR GP-ELECTRIC

PART OF 571-0221 ENGINE AR-PRIMARY

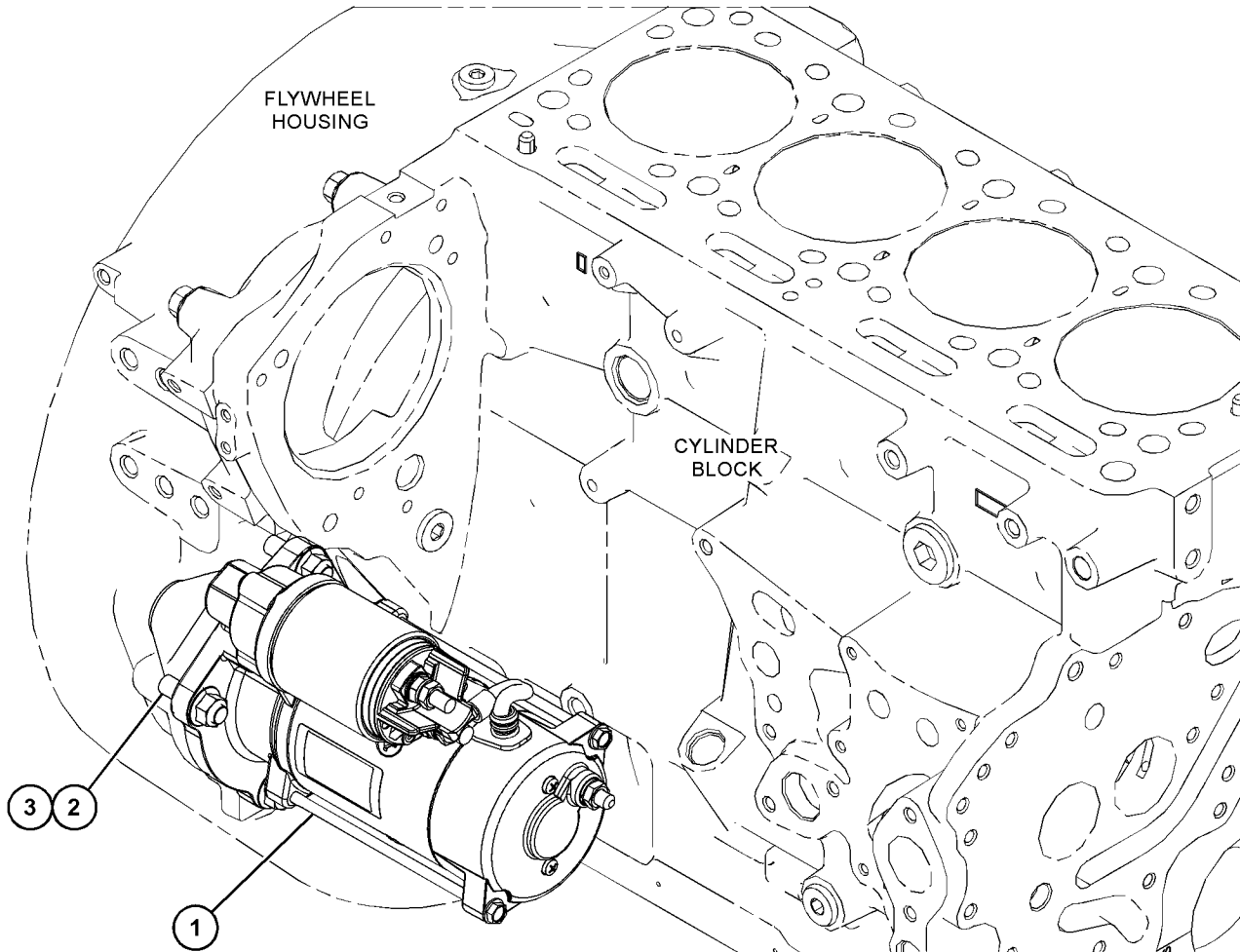
SMCS-1453

i07966001

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
R	1	1	526-9854	1	STARTING MOTOR GP-ELECTRIC (12-VOLT, 3.2-KW)						
M	2	1	6I-4012	3	STUD (M10X1.5X40-MM)						
M	3	1	175-7141	3	NUT-HEX FLANGE (M10X1.5-THD)						

M - METRIC PART

R - REMANUFACTURED PART MAY BE AVAILABLE



GRAPHIC #1

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g06497460

ELECTRICAL AND STARTING SYSTEM

509-6397 STARTING MOTOR GP-ELECTRIC

PART OF 571-0205 ENGINE AR-PRIMARY

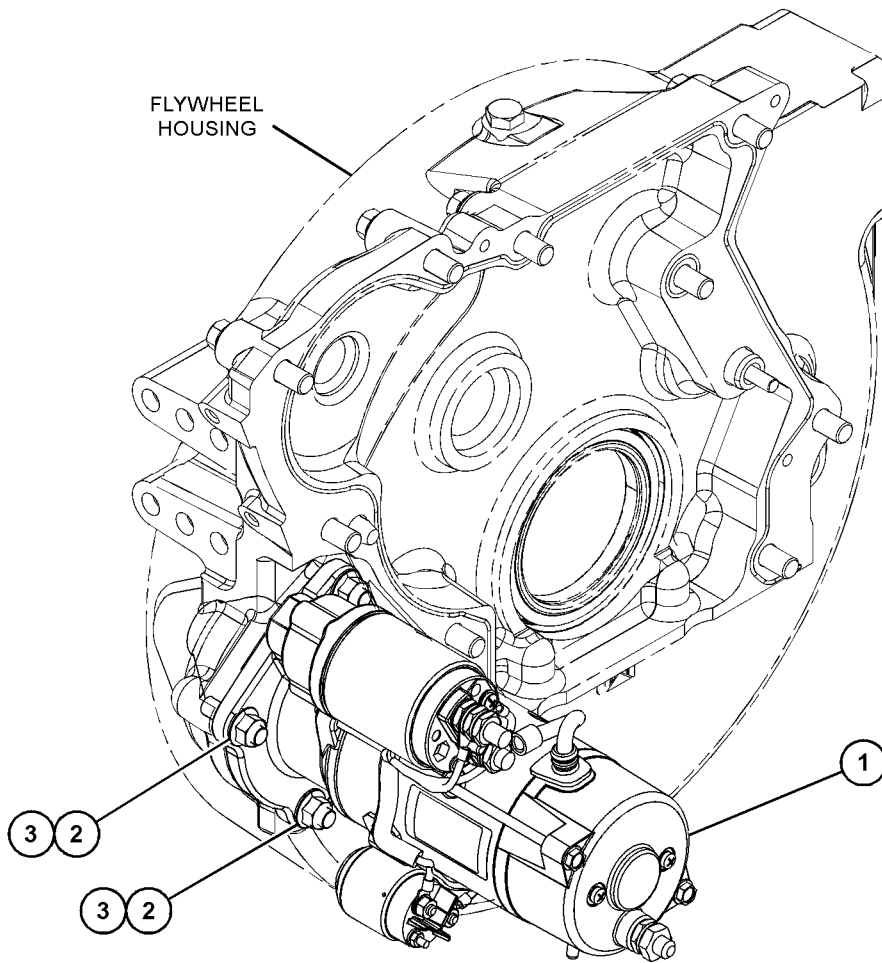
SMCS-1453

i07817968

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
R	1	1	451-0011	1	STARTING MOTOR-ELECTRIC (24-VOLT, 4.5-KW)	
M	2	1	175-7141	3	NUT-HEX FLANGE (M10X1.5-THD)	
M	3	1	6I-4012	3	STUD (M10X1.5X40-MM)	

M - METRIC PART

R - REMANUFACTURED PART MAY BE AVAILABLE



GRAPHIC #1

<END>

g06446482

ELECTRICAL AND STARTING SYSTEM

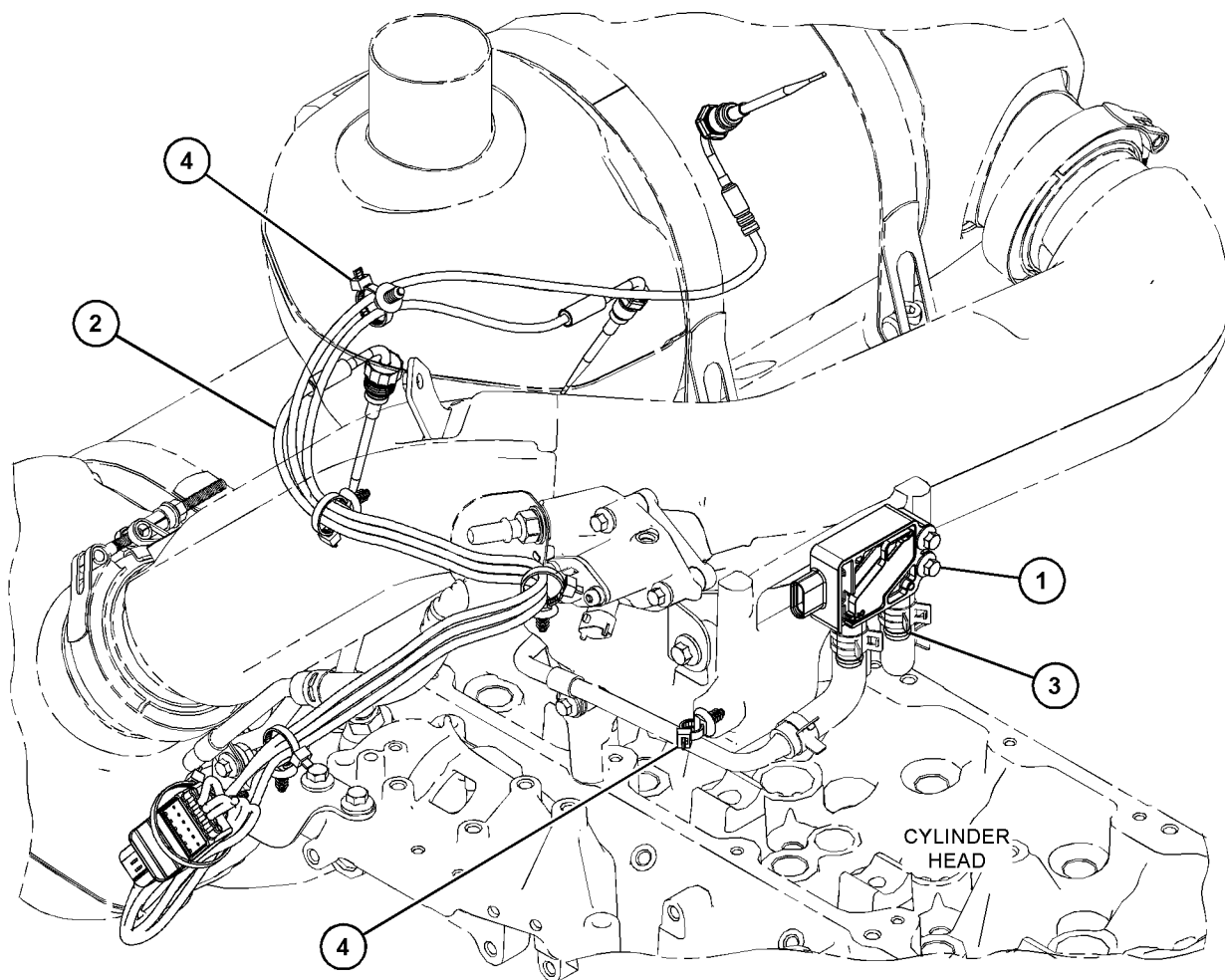
560-2127 WIRING GP-CEM PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-1408

i07817966

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
M	1	1	112-7704	2	BOLT (M6X1X30-MM)						
	2	1	486-9076	1	SENSOR GP-TEMPERATURE (EXHAUST)						
	3	1	501-2207	1	SENSOR GP-PRESSURE						
	4	1	540-2381	6	MOUNTING-CABLE TIE						

M - METRIC PART



GRAPHIC #1

<END>

g06445689

ELECTRICAL AND STARTING SYSTEM

541-6909 WIRING GP-ENGINE

PART OF 571-0221 ENGINE AR-PRIMARY

SMCS-1403

i07979016

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	498-6636	1	BRACKET	
	2	1	560-3454	1	BRACKET-SUPPORT	
M	3	1	100-3751	3	BOLT (M8X1.25X65-MM)	
M	4	1	124-3815	3	BOLT (M8X1.25X16-MM)	
	5	1	211-0052	1	NUT (1-11/16-18-THD)	
	6	1	217-9039	1	STRAP-CABLE	
	7	1	290-1993	2	STRAP-CABLE	
	8	1	310-0674	1	LOCKWASHER	
Y	9	1	518-4821	1	HARNESS AS-ENGINE	97
Y	10	1	520-4107	1	HARNESS AS-ENGINE	98
	11	1	523-5754	1	BRACKET	
	12	1	541-6965	1	BRACKET AS-SUPPORT	
	13	1	565-4341	1	BRACKET AS-SUPPORT	
	13A	1	342-3782	1	CLIP-PIPE	
M	14	1	6I-0217	2	BOLT (M8X1.25X20-MM)	

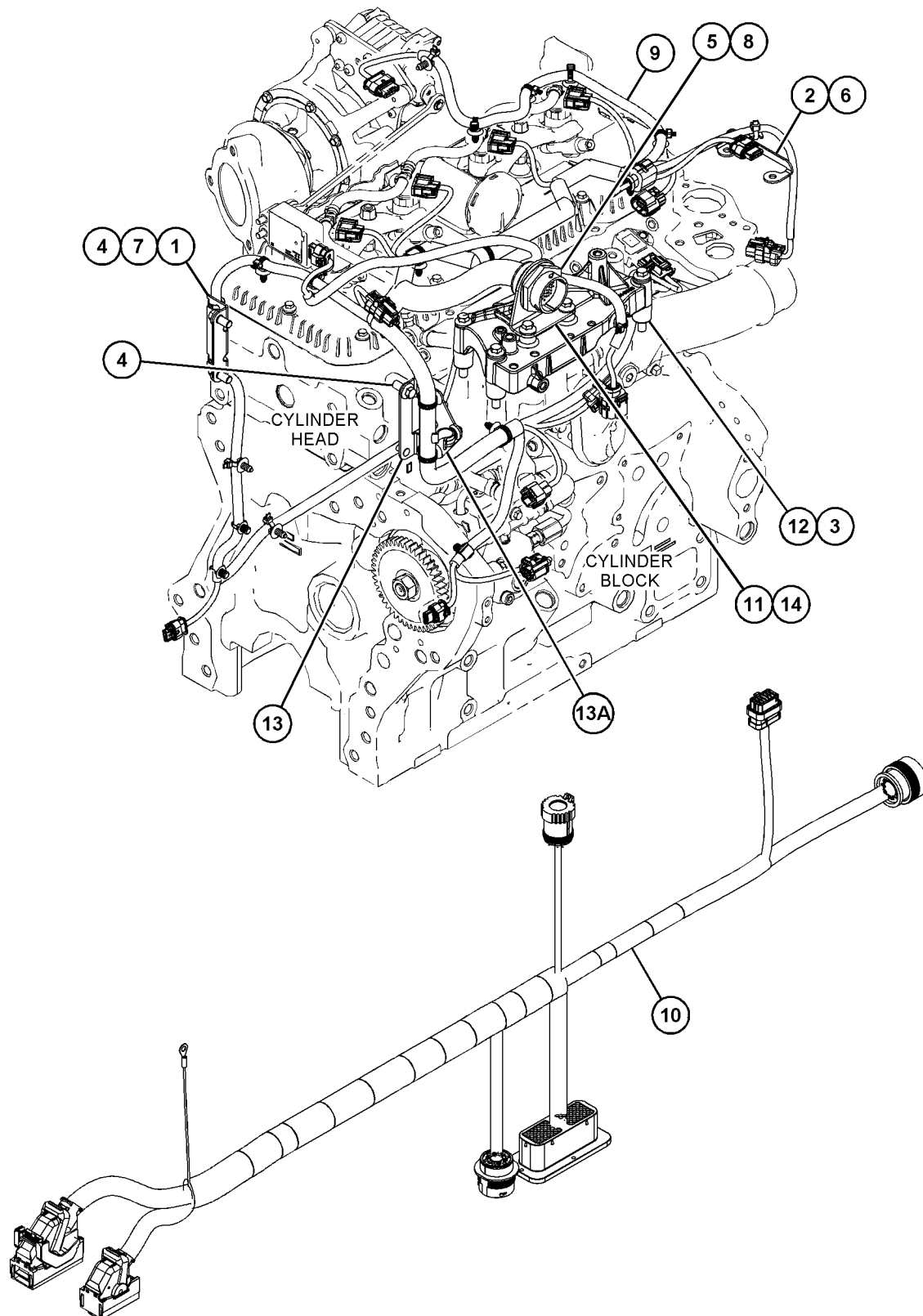
M - METRIC PART

Y - SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

541-6909 WIRING GP-ENGINE (contd.)

i07979016



GRAPHIC #1

<END>

g06497909

ELECTRICAL AND STARTING SYSTEM

541-6931 WIRING GP-ENGINE

PART OF 571-0205 ENGINE AR-PRIMARY

SMCS-1403

i07817886

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME	SEE PAGE
					1 2 3 4 5 6 (PRODUCT LEVEL)	
	1	1	498-6636	1	BRACKET	
	2	1	560-3454	1	BRACKET-SUPPORT	
M	3	1	100-3751	3	BOLT (M8X1.25X65-MM)	
M	4	1	124-3815	3	BOLT (M8X1.25X16-MM)	
	5	1	211-0052	1	NUT (1-11/16-18-THD)	
	6	1	217-9039	1	STRAP-CABLE	
	7	1	290-1993	2	STRAP-CABLE	
	8	1	310-0674	1	LOCKWASHER	
Y	9	1	518-4821	1	HARNESS AS-ENGINE (WIRING)	97
Y	10	1	520-4109	1	HARNESS AS-ENGINE (WIRING)	99
	11	1	523-5754	1	BRACKET	
	12	1	541-6965	1	BRACKET AS-SUPPORT (SUPPORT)	
	13	1	565-4341	1	BRACKET AS-SUPPORT	
		1	342-3782	1	CLIP-PIPE	
M	14	1	6I-0217	2	BOLT (M8X1.25X20-MM)	

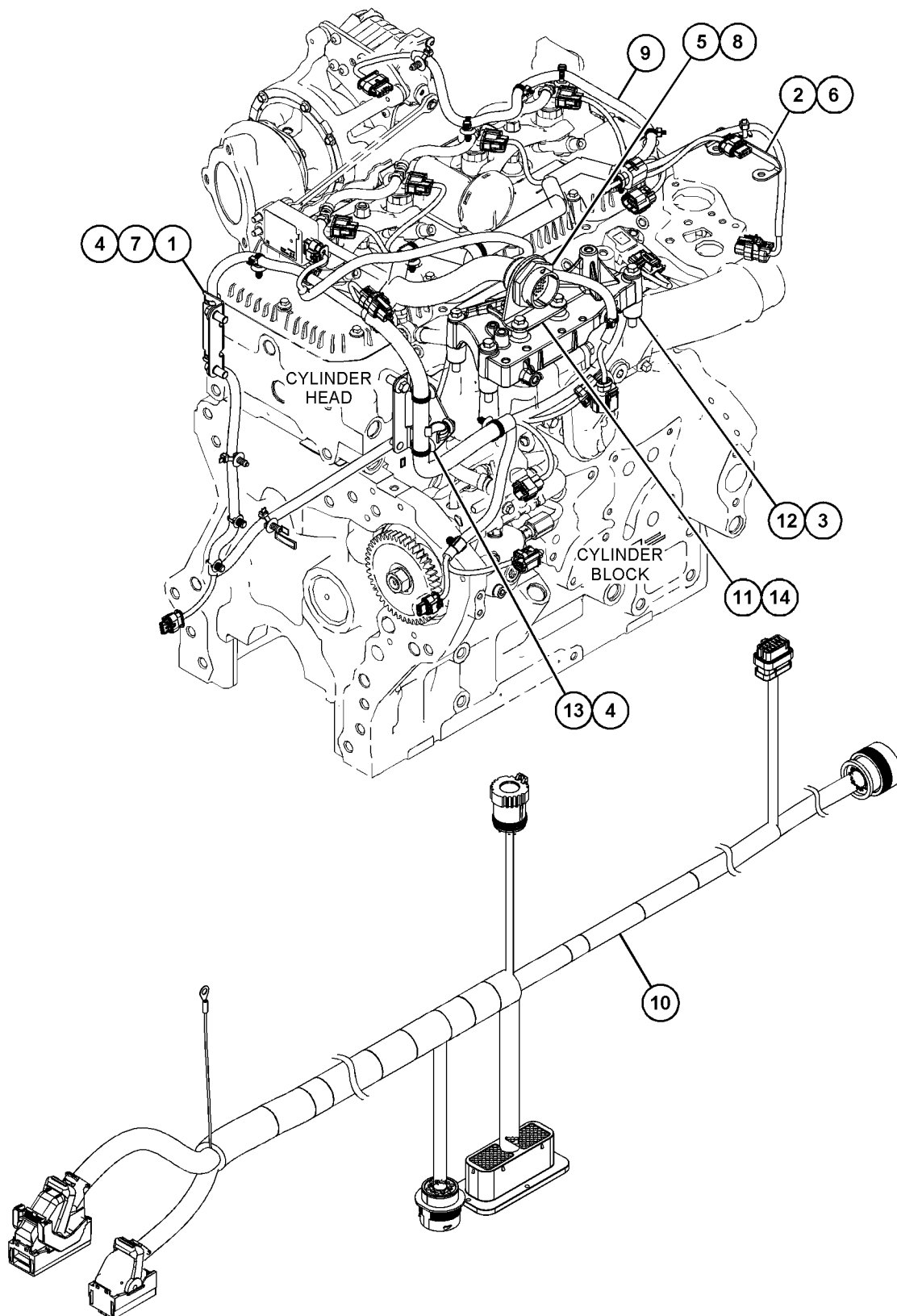
M - METRIC PART

Y - SEPARATE ILLUSTRATION

ELECTRICAL AND STARTING SYSTEM

541-6931 WIRING GP-ENGINE (contd.)

i07817886



GRAPHIC #1

<END>

g06450047

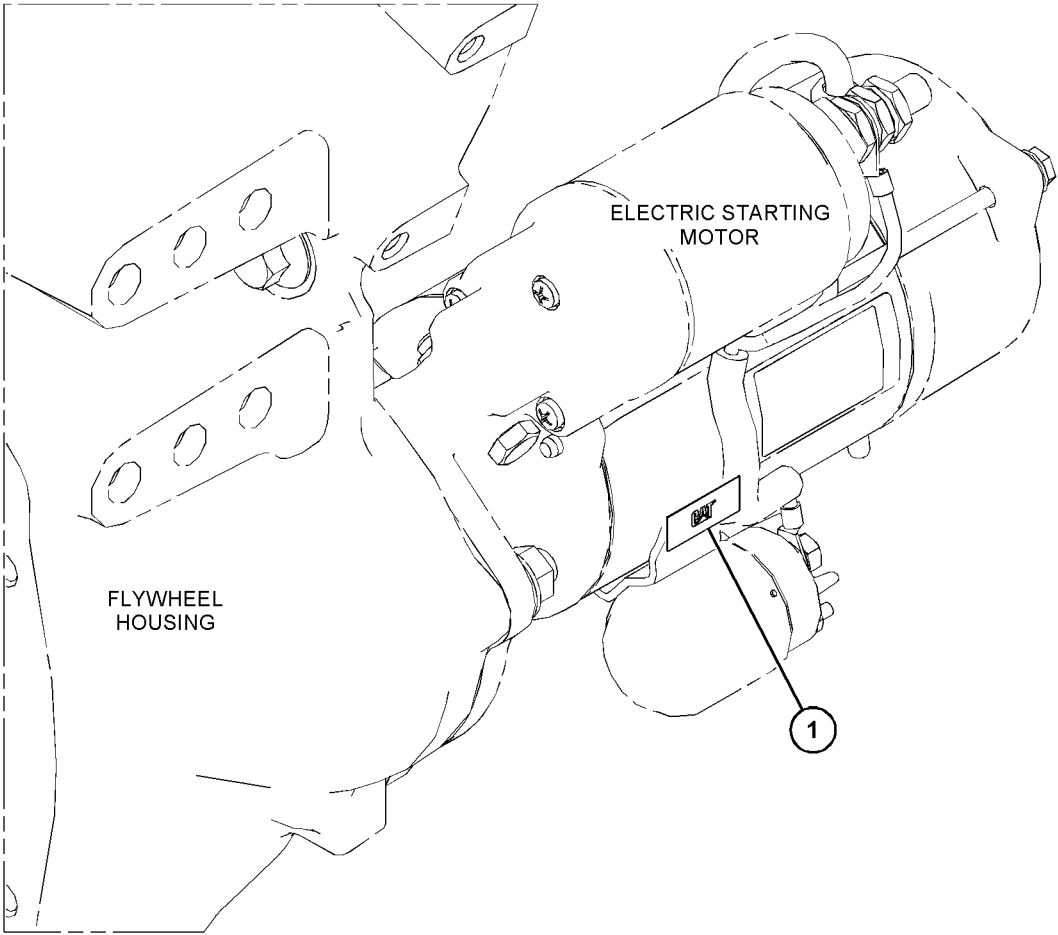
SERVICE EQUIPMENT AND SUPPLIES

508-9936 FILM GP
PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-7405, 7557

i07817950

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	451-7225	1	FILM-IDENTIFICATION (CAT)						



GRAPHIC #1

<END>

g06449459

SERVICE EQUIPMENT AND SUPPLIES

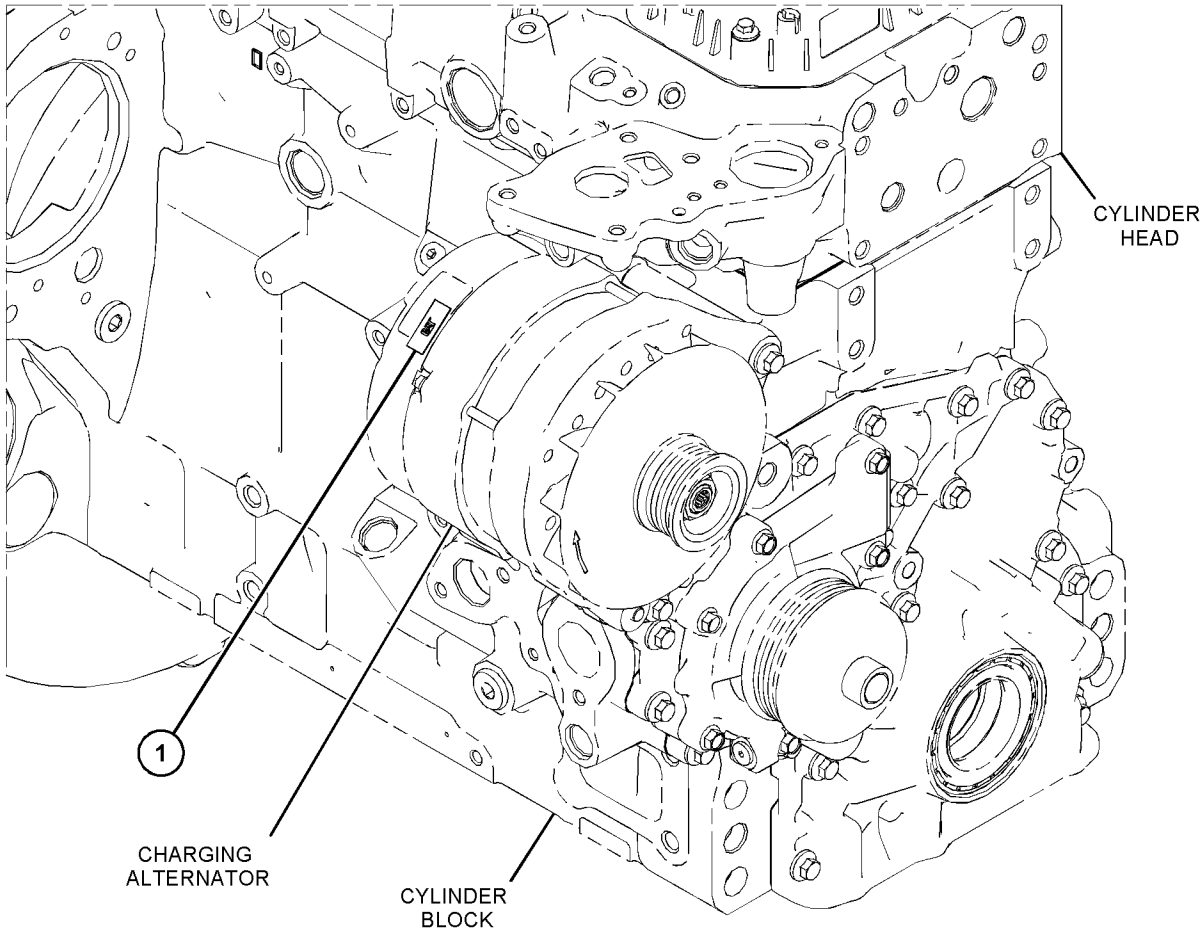
515-5390 FILM GP

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-7405, 7557

i07817791

NOTE	REF	GRAPHIC	PART NUMBER	QTY	PART NAME						SEE
	NO	REF			1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	451-7225	1	FILM-IDENTIFICATION (CAT)						PAGE



GRAPHIC #1

<END>

g06448256

SERVICE EQUIPMENT AND SUPPLIES

510-2808 PLATE & FILM GP

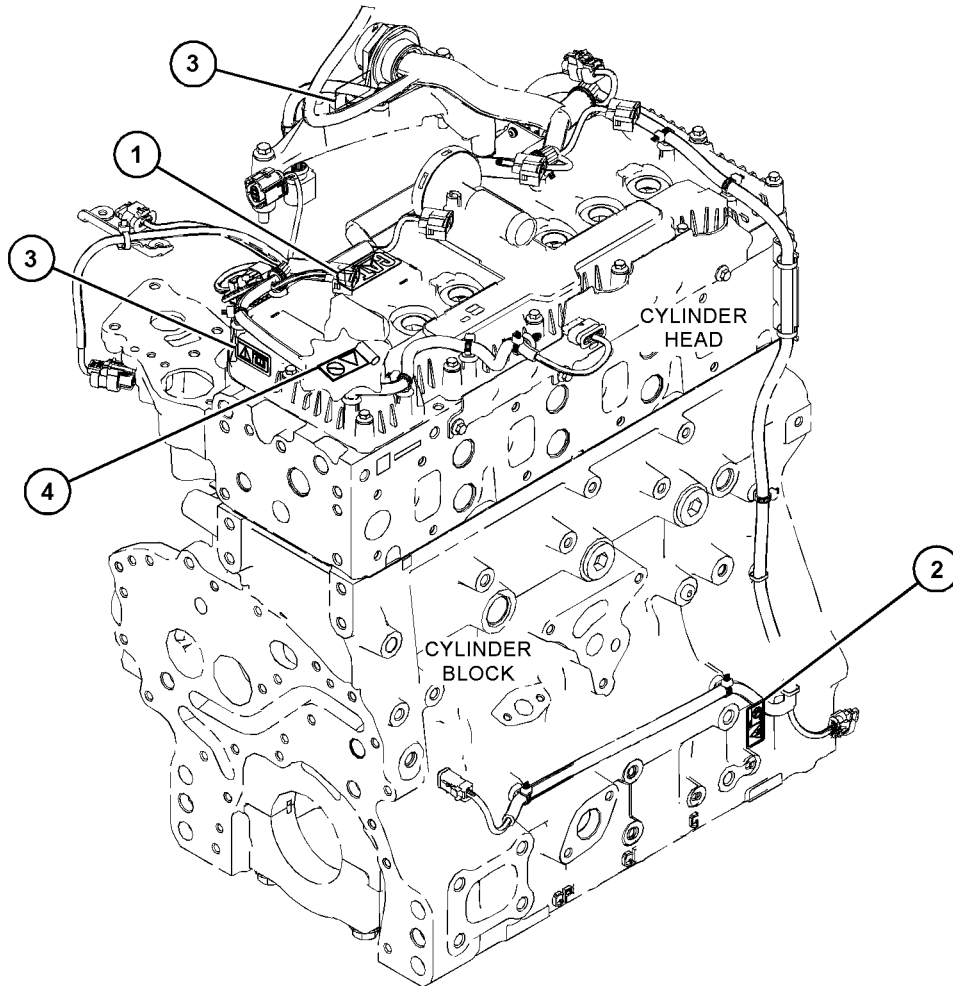
EMISSIONS

PART OF 571-0205, 571-0221 ENGINE AR-PRIMARY

SMCS-7405, 7557

i07817956

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME						SEE PAGE
					1	2	3	4	5	6 (PRODUCT LEVEL)	
	1	1	450-9772	1	PLATE-IDENTIFICATION (CAT)						
	2	1	326-9053	1	FILM-WARNING (DO NOT SPRAY, READ OMM)						
	3	1	346-8219	2	FILM-WARNING (UNIVERSAL WARNING)						
	4	1	355-3486	1	STRIP-ADHESIVE						



GRAPHIC #1

<END>

g06449002

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
1		6V-5201	5		65	215-3790	105
1P-0810	97	6V-5683	64		100	217-9039	98
1S-9593	97		65	100-4841	27		99
2		6V-6609	46	102-9941	26		100
		6V-7238	19	103-5705	39		102
		6V-7350	91		40		103
		6V-7723	84	106-8916	53		109
2L-8050	105	6V-8002	41	106-8954	26		111
2L-8058	105	6V-8177	24	107-3135	97	223-4779	97
2R-6806	66	6V-8676	91	111-3422	91	225-6524	11
		6V-9023	105	111-3423	91		38
		6V-9189	22	111-8233	41	225-8524	26
				112-7704	95	228-7089	39
					100		42
3		7			108		43
3D-2824	47			114-2583	64		44
3E-8025	69	7T-0093	98		65	228-7100	84
3K-0360	10		99	116-3933	86	228-7101	39
	19	7W-1176	24	119-3662	98	228-7102	84
		7W-2632	47	121-0883	29	228-7103	104
				123-2899	69	230-8275	66
					93		69
5		8			94		86
5C-2890	105			123-2933	86	232-1323	11
5P-5592	98	8C-6354	98	124-3815	66	234-6171	38
	99		99		89	234-7551	98
5P-7530	41	8L-2777	86		109		99
5W-1437	91	8T-7489	39		111	240-7874	97
		8T-8729	98	125-0965	36	241-6157	84
			99	125-7874	98	241-6158	84
		8T-8730	97	135-6362	22	243-3811	7
		8T-8737	98	141-8599	54	246-4361	26
			99		55		90
				149-5484	53	256-6454	100
6				155-2270	97		104
6H-3957	5			158-6706	97	269-3086	64
6I-0217	53	9		168-8806	46		65
	80			169-0705	98	270-1784	98
	109	9S-8005	10		99		99
	111		46	175-3366	98	274-1639	100
6I-0254	54	9S-8008	11		99	274-3785	98
	55		47	175-7141	106		99
	93	9X-2858	24		107	275-2428	105
	94	9X-3401	98	178-3336	43	275-9891	44
6I-0260	38		99		53	276-5600	11
	39		100		54	276-8117	13
	40	9X-3402	97		55	276-8123	14
	45		98		93		35
	53		99		94	276-8133	14
6I-0293	69	9X-8256	66	185-0884	11		35
6I-0423	28			185-1860	97	276-9200	36
	69			185-1861	97	276-9207	36
6I-0454	20				98	277-4223	11
6I-0455	92	0			99		25
6I-0572	100			185-7149	91		32
6I-0593	20	033-7687	23	189-6123	23		91
	21	035-8063	54	197-7259	98	277-4409	105
6I-0631	7		55		99	278-4163	98
	39	037-1434	64	199-3109	24		99
	40	091-7473	97	199-7560	84	278-4164	97
	66	096-0015	30	199-9267	100	279-5772	97
6I-0654	28			199-9751	100	281-3115	97
	52					281-3395	98
	93	1		2			99
	94					281-8802	100
6I-0846	69	100-3751	109			283-4662	24
6I-0917	89		111	201-2533	33	287-8597	24
6I-1090	20	100-4454	64	202-5400	97	290-1993	102
	21		65	206-1345	97		103
6I-4012	106	100-4458	24	211-0052	109		109
	107	100-4838	48		111		111
6I-4072	92		51	211-3445	47	292-2893	98
6I-4374	47		64	214-7568	66		99
6V-5063	11					292-2896	97

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
292-2898	98	388-5271	1		12	502-6315	3
	99		58		27	502-6352	4
292-6812	97	398-3011	75	486-9076	108		106
	98		76	487-4323	1	502-6361	1
	99	398-4746	68		3		20
298-4527	13		73		38	502-6362	3
298-4528	13			487-4342	1		21
					4	504-3862	►5
					51		►26
				487-4998	30	505-3153	102
				488-0695	6		103
				488-1433	14	505-6196	54
					35		55
				488-1434	14	505-6501	88
					35	505-6505	88
				488-1892	13	506-5468	1
				488-1895	14		3
					35		33
				488-5787	13	507-3416	93
				488-8124	23	507-5225	1
				489-7954	64		3
					65		45
				489-7957	64	507-6692	1
					65		3
				489-7970	64		9
					65		12
				490-1304	1	507-9254	37
					24	508-9936	1
				490-7195	9		3
				491-5836	95		113
				491-9666	99	509-6397	2
				491-9667	98		107
					99	509-6445	1
				492-2811	85		3
				492-5105	105		29
				495-9860	27	509-6448	1
				496-0025	6		49
				496-0026	91	509-9811	91
				497-9891	87	510-2808	1
				498-6636	109		3
					111		115
				498-7941	1	510-3718	1
					3		94
					87	510-3725	3
				498-7944	1		68
					3	510-3728	1
					91		72
				499-0688	47	510-3936	4
				499-2386	3		81
					25	510-7449	37
				499-2389	1	510-9648	15
					26		16
				499-4378	93	511-4824	84
					94	511-8795	1
				499-9620	20		3
				499-9621	21		71
						512-3125	94
						512-6384	1
							42
						512-6743	41
						512-7949	39
							40
						512-8095	1
							3
							64
							65
						512-8154	94
						512-8182	1
							96
						513-0267	100
						513-9222	50
						514-0679	3
							82
						514-1502	48

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
514-1708	71		3		55	549-6266	1
514-1719	4		57	540-1539	1		3
	102	527-7238	20		3		6
514-1720	42		21		95	550-0158	97
	43	527-8155	20	540-2300	66	550-0159	97
514-2224	29	527-9719	64	540-2381	108	550-0160	97
514-3901	9		65	540-3082	1	550-1384	1
514-7381	1	528-2181	98		3		3
	3		99		53		47
	48	528-2182	98	540-3113	2	550-2119	28
514-7399	2		99		3	550-7250	80
	4	528-2861	69		100	551-1569	60
	79	528-4875	20	540-3647	54	551-2102	82
514-7407	2	528-5177	7		55		84
	103	528-6003	48	540-5117	85	551-4304	89
515-2093	21	528-6520	69	540-5119	85		90
515-4385	94	528-6579	28	540-6499	7	551-5101	53
515-5390	1	529-7539	66	541-0936	47		80
	3	529-7634	20	541-6388	▶88	551-5102	80
	114	529-8053	100		▶92	551-6593	42
515-9433	37	532-6775	53	541-6909	4	552-4797	51
516-0680	26	532-7558	90		109	552-5795	29
516-2566	49	533-5882	50	541-6926	69	552-5808	19
516-2663	73	535-6922	▶62	541-6931	2		29
	74		▶77		111	553-0231	36
516-2819	1	535-6924	▶63	541-6965	109	553-5227	38
	3		▶78		111	553-5236	38
	92	535-6925	68	541-9139	87	553-8165	91
517-1968	30		77	541-9957	1	553-8166	92
517-1970	30	535-6926	72		3	553-8167	87
518-4821	▶97		78		89	554-3635	33
	▶109	535-7383	66	542-1070	50	554-4064	3
	▶111	535-7384	66	542-1071	45		19
519-7382	3	535-8384	37		50	556-0383	50
519-7383	2	536-0814	37	542-1612	57	556-8536	3
	105	536-3567	81	542-2303	97		22
520-3849	20	536-3568	96	542-4656	100	556-8570	71
520-4107	▶98	536-3596	20	542-5294	57	557-9692	85
	▶109		21	542-5295	66	558-4723	84
520-4109	▶99	536-5514	97	542-9359	90		85
	▶111	536-6140	30	543-2859	1	558-4725	59
521-5037	93	536-6191	89		59	559-1228	29
521-9088	54	536-6753	62	543-2863	3	559-2655	46
521-9089	55		63		60	559-2797	105
521-9216	7	536-6756	62	543-4851	64	559-6883	98
522-7345	14		63	544-9836	39		99
	35	536-7943	97		40	559-6884	98
522-7349	98	536-7944	97		86		99
	99	536-9815	97	544-9965	1	559-6885	98
522-7350	98	537-0001	86		3		99
	99	538-9564	53		52	559-7823	39
523-5754	109	538-9924	13	545-8504	90		40
	111	539-0117	102	546-3086	1		41
523-6556	1		103		3	559-9707	19
	54	539-0118	102		39	560-1958	89
523-6557	3		103		40	560-2127	2
	55	539-5411	1	546-3089	1		4
523-6601	84		3		3		108
523-6602	84		10		46	560-2128	1
524-2270	1		12	546-5468	69	560-3454	109
	83	539-5489	1	546-5675	69		111
526-1948	2		3	546-5788	69	560-7515	66
	3		15	546-5807	69	561-2097	79
	32		16	546-5826	69	561-2100	79
526-9119	3	539-5492	1	546-5941	64	561-2101	79
	43		3		65	561-4316	83
526-9854	106		37	546-6615	69		85
527-3167	1	539-5502	1	547-4422	57	561-4327	39
	3		3	548-7642	50		40
	69		7	548-8391	6	561-9653	41
527-3205	1	539-7796	97	548-9001	1	561-9755	41
	3	539-7999	84		3	561-9757	41
	66	540-0580	80		28	562-0656	54
527-3244	1	540-0583	54	549-1296	7		55

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
562-2624	53						
562-6371	►12						
562-6379	►17						
562-6381	17						
	18						
562-6382	17						
	35						
563-1100	85						
563-5121	43						
	44						
563-5124	44						
563-5936	98						
	99						
564-6431	►13						
	14						
	15						
	►18						
564-9913	52						
565-1428	30						
565-1430	30						
565-4341	109						
	111						
565-6453	61						
566-1010	57						
566-3305	2						
566-3805	92						
566-4403	66						
566-5957	45						
566-6793	36						
566-6794	34						
	36						
566-6926	15						
	16						
568-6664	3						
	61						
569-5522	53						
569-8036	41						
570-3216	36						
570-3217	36						
570-6853	37						
570-7737	37						
571-0205	►1						
571-0221	►3						
571-9247	4						
572-4089	37						
572-5889	34						
572-6424	79						
574-2021	36						
574-2670	30						
574-2672	30						
574-2674	30						
574-2677	30						
574-2678	30						
574-2679	30						
574-7806	10						
	11						
576-6133	24						
577-1672	16						
577-1673	16						
579-5011	45						
579-7580	24						
581-2369	65						
581-4466	►14						
	►16						
582-7940	39						
	40						
582-7955	39						
	40						
587-3650	24						
588-4925	24						

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C3.6 Industrial Engine

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