

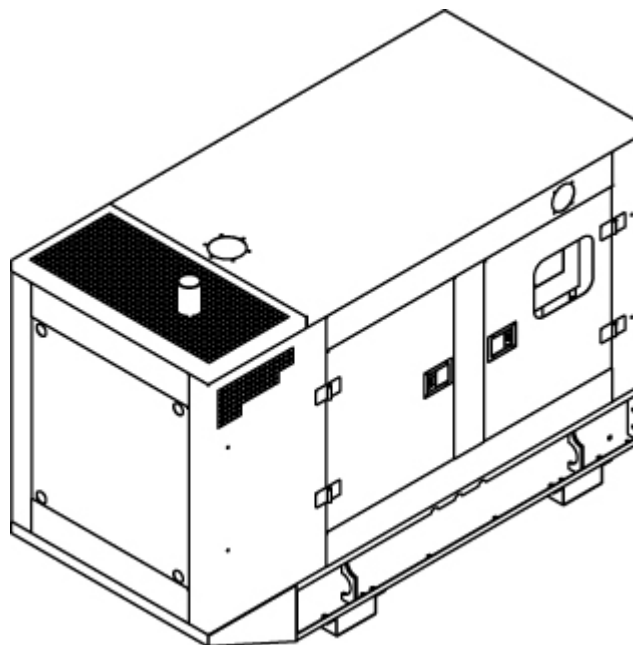


Portable Power

G20/30XW/XF-50Hz - G24/36XW/XF-60Hz

PARTS MANUAL

SERIAL No : G20XWNCJ500001->, G20XFNCJ500001->, G30XWNCJ500001->, G30XFNCJ500001->,
G24XWNCJ600001->, G24XFNCJ600001->, G36XWNCJ600001->, G36XFNCJ600001->.





Portable Power

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MAINTENANCE ITEMS

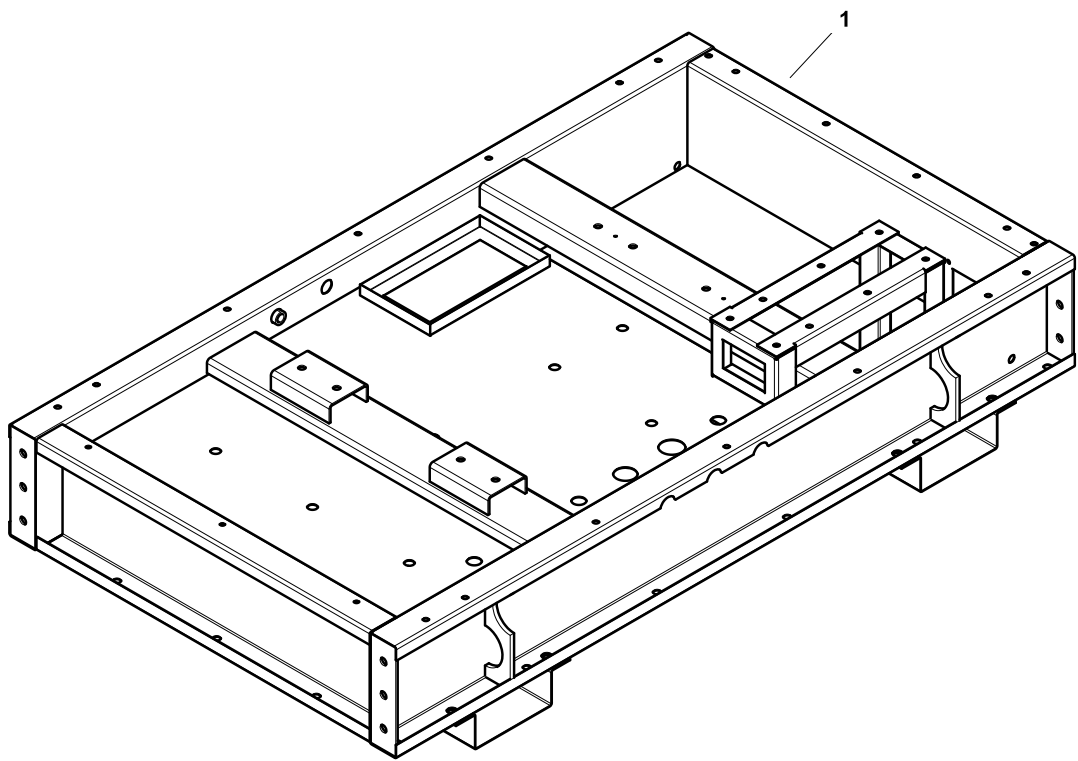
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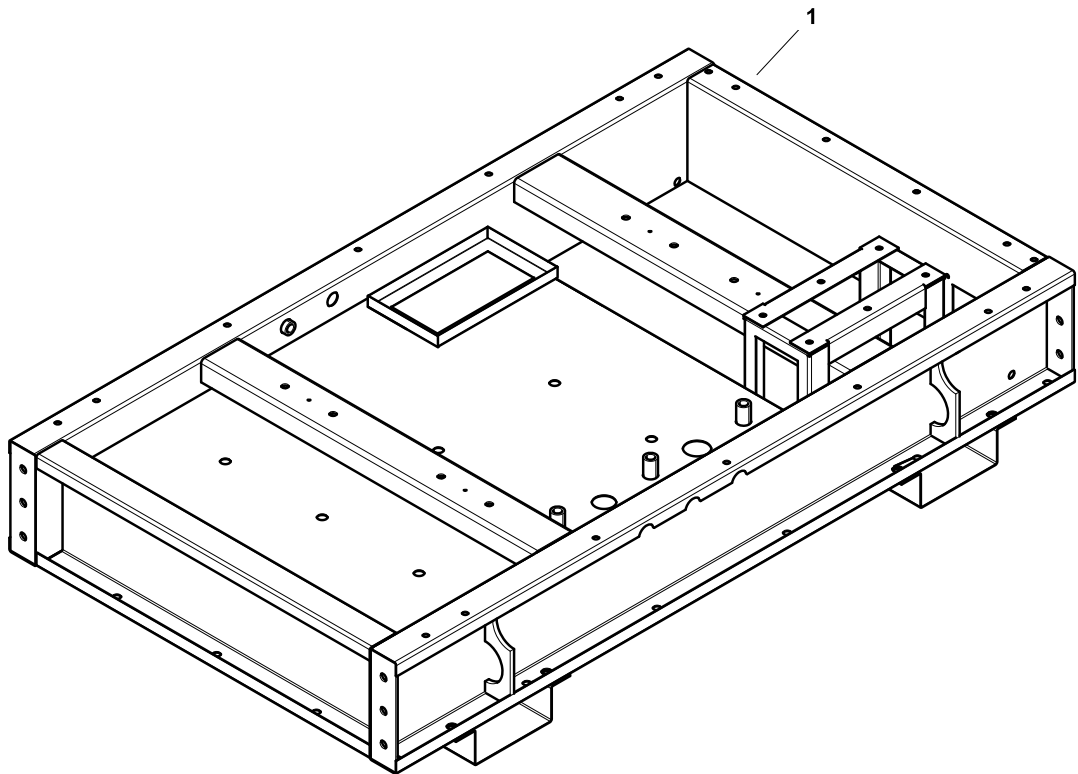
MAIN FRAME
(G20/24)



MAIN FRAME (G20/24)	
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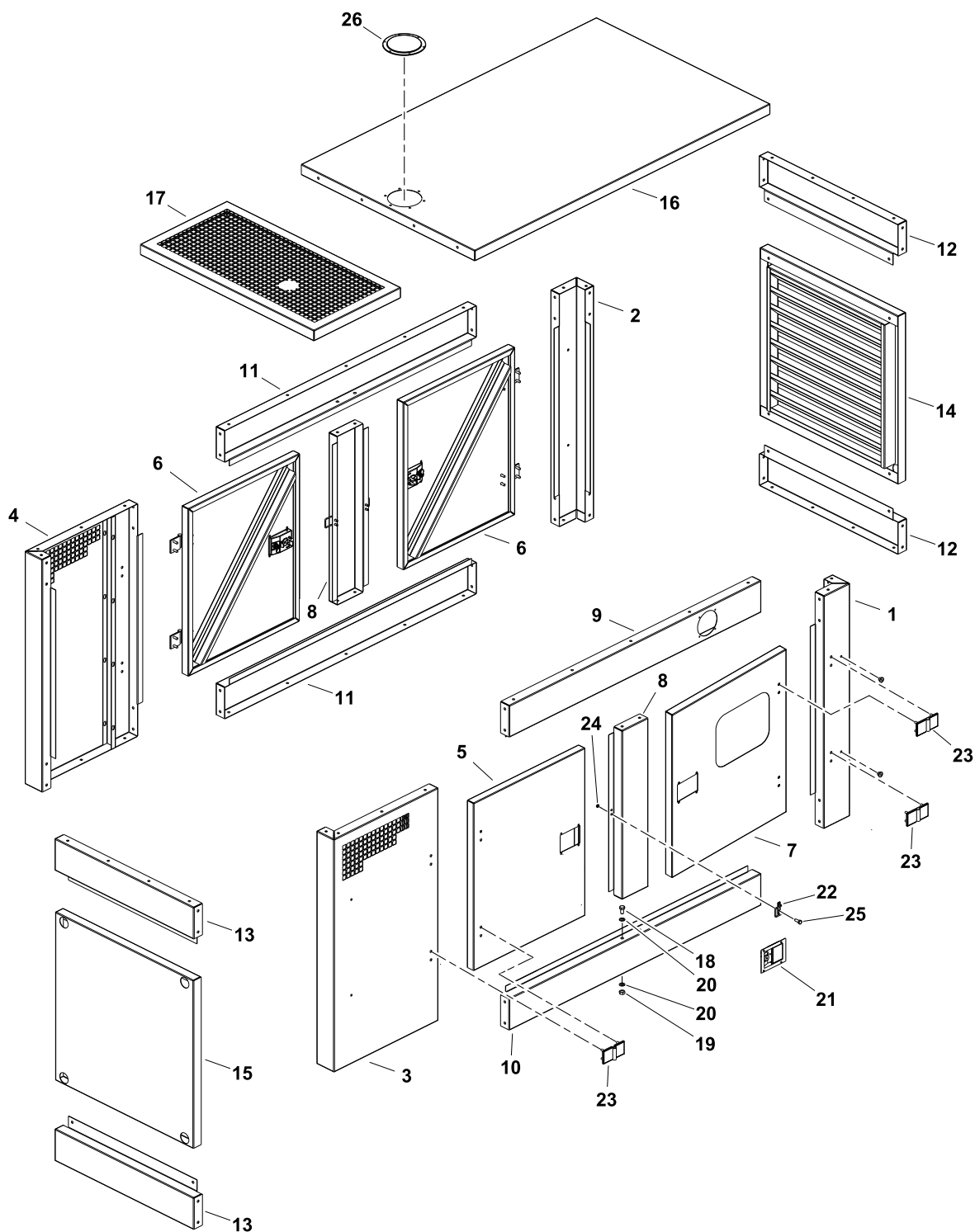
MAIN FRAME
(G30/36)



MAIN FRAME (G30/36)	
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ENCLOSURE



ENCLOSURE

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46717238	PANEL, LH CORNER, ALT SIDE			1
2	46717280	PANEL, RH CORNER, ALT SIDE			1
3	46717239	PANEL, LH CORNER, RAD SIDE			1
4	46717281	PANEL, RH CORNER, RAD SIDE			1
5	46717270	DOOR, BARE LH			1
6	46717271	DOOR, BARE RH			2
7	46716449	CUTOUT DOOR, PANEL			1
8	46717294	JOINT, VERT LH/RH			2
9	46717232	JOINT, LH HORIZ EMERGENCY			1
10	46717233	JOINT, LH HORIZ			1
11	46717234	JOINT, RH HORIZ			2
12	46717231	HORIZONTAL, ALTERNATOR SIDE			2
13	46717235	RADIATOR, SIDE HORIZ			2
14	46716571	FRAME, LOUVER ASSY ALT SIDE			1
15	46716572	FRAME, RADIATOR SIDE COVER			1
16	46717282	ROOF, ALT SIDE			1
17	46717283	ROOF, RAD SIDE			1
18	46721259	BOLT M8 X 25 LG HEX GI			170
19	46721260	NUT M8			170
20	46721261	WASHER FLAT M8 GI			340
21	46706518	LATCH			1
22	46706654	ZINC PLATED STEEL STRIKER			1
23	46706653	ZINC ALLOY HINGE 120X60MM BLACK			2
24	46717245	NUT M6			6
25	46716436	BOLT M6 X 20 LG HEX GI			2
26	46706638	RADIATOR COVER -MODEL AMRC 130			1
#	46706613	FOAM BULK	L2000 X W1200MM X/40MM -32KG/M3		1
#	46706621	FOAM BULK	L 2000 X W1600MM X/40MM -70KG/M3		1

4 — **G20XF**

11 — **G20XW**

20 — **G24XF**

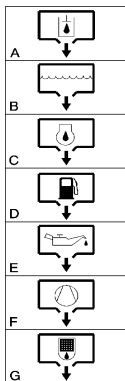
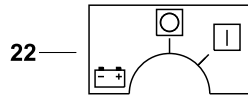
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25 — **G30XF**

26 — **G30XW**

27 — **G36XF**

28 — **G36XW**

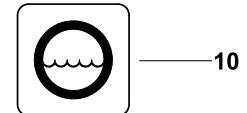
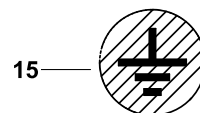
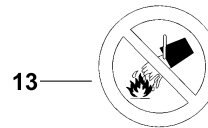


23 — **DoosanPortablePower.eu**

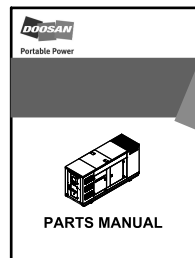
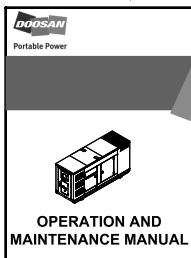
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1 — **DOOSAN**

2 — **DoosanPortablePower.eu**



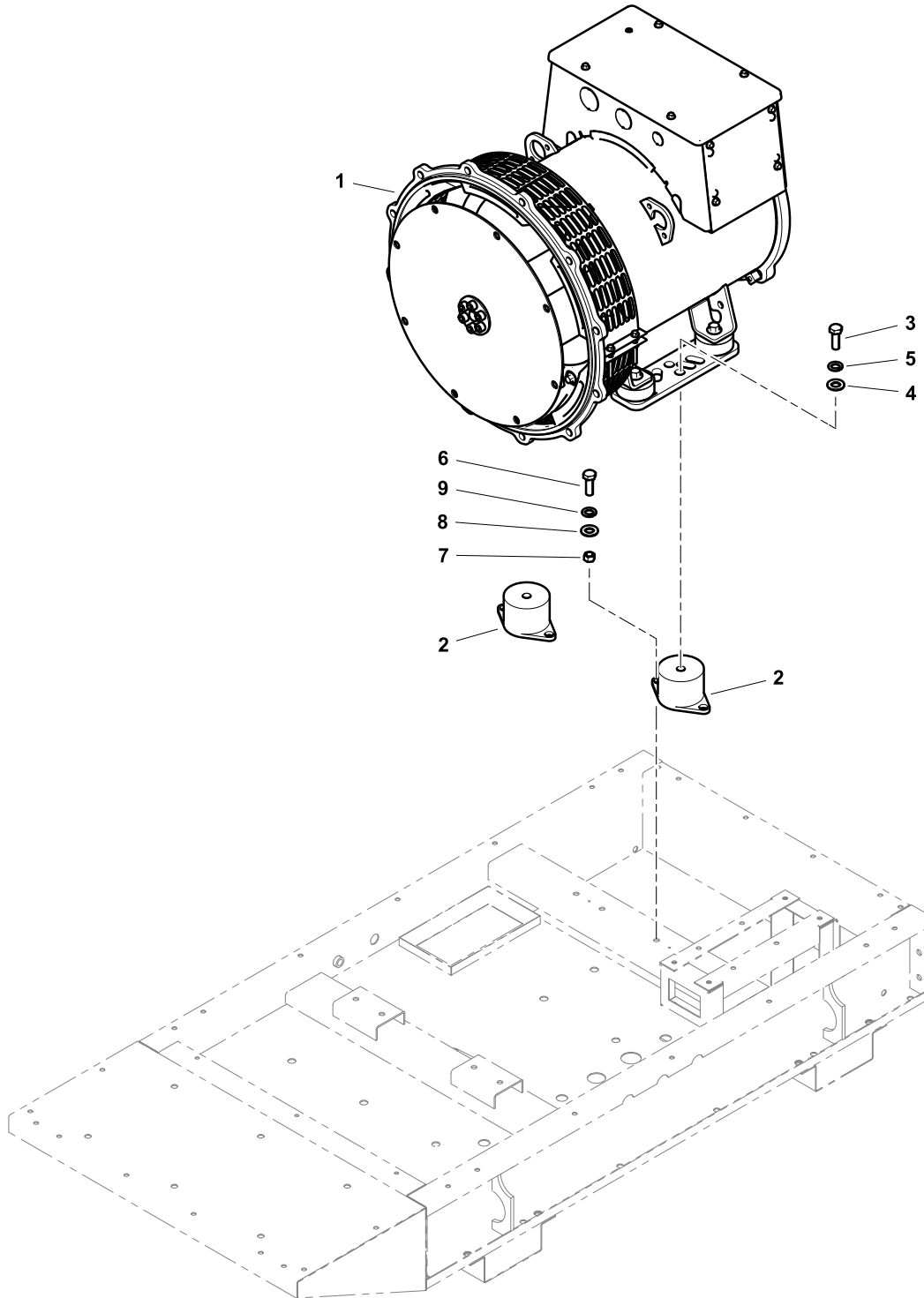
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DECALS AND DOCUMENTATION

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46573921	DECAL, DOOSAN LOGO			2
2	46656744	DECAL, WEB SITE			1
3	46573860	DECAL, DOOSAN TRI-COLOUR 12"			1
4	46721848	DECAL, MODEL NUMBER	20XF		1
5	46573859	DECAL, DOOSAN TRI-COLOUR 8"			1
6	92930593	DECAL, ELECTRIC SHOCK			5
7	92867449	DECAL, REFER TO HANDBOOK			1
8	93171254	DECAL, DIESEL FUEL SYMBOL			1
9	54629977	DECAL, ISO CENTRAL DRAIN			1
10	23047624	DECAL, COOLANT LEVEL			1
11	46718025	DECAL, MODEL NUMBER	20XW		2
12	92867530	DECAL, HOT SURFACE ISO			4
13	23047566	DECAL, NO WATER			2
14	93171288	DECAL, COOLANT FILL			1
15	92912559	DECAL, EARTH WARNING			2
16	23047582	DECAL, WARNING			2
17	93171262	DECAL, LIFT HERE			4
18	46717252	MANUAL, OPERATION MAINTENANCE			1
19	46717264	MANUAL, PARTS			1
20	46721850	DECAL, MODEL NUMBER	24XF		1
21	46715886	DECAL, DOOSAN LOGO			2
22	54642327	DECAL, BATTERY DISCONNECT			1
23	46715887	DECAL, WEB SITE WHITE			1
24	46718028	DECAL, MODEL NUMBER	24XW		2
25	46721852	DECAL, MODEL NUMBER	30XF		1
26	46718027	DECAL, MODEL NUMBER	30XW		2
27	46721854	DECAL, MODEL NUMBER	36XF		1
28	46718029	DECAL, MODEL NUMBER	36XW		2

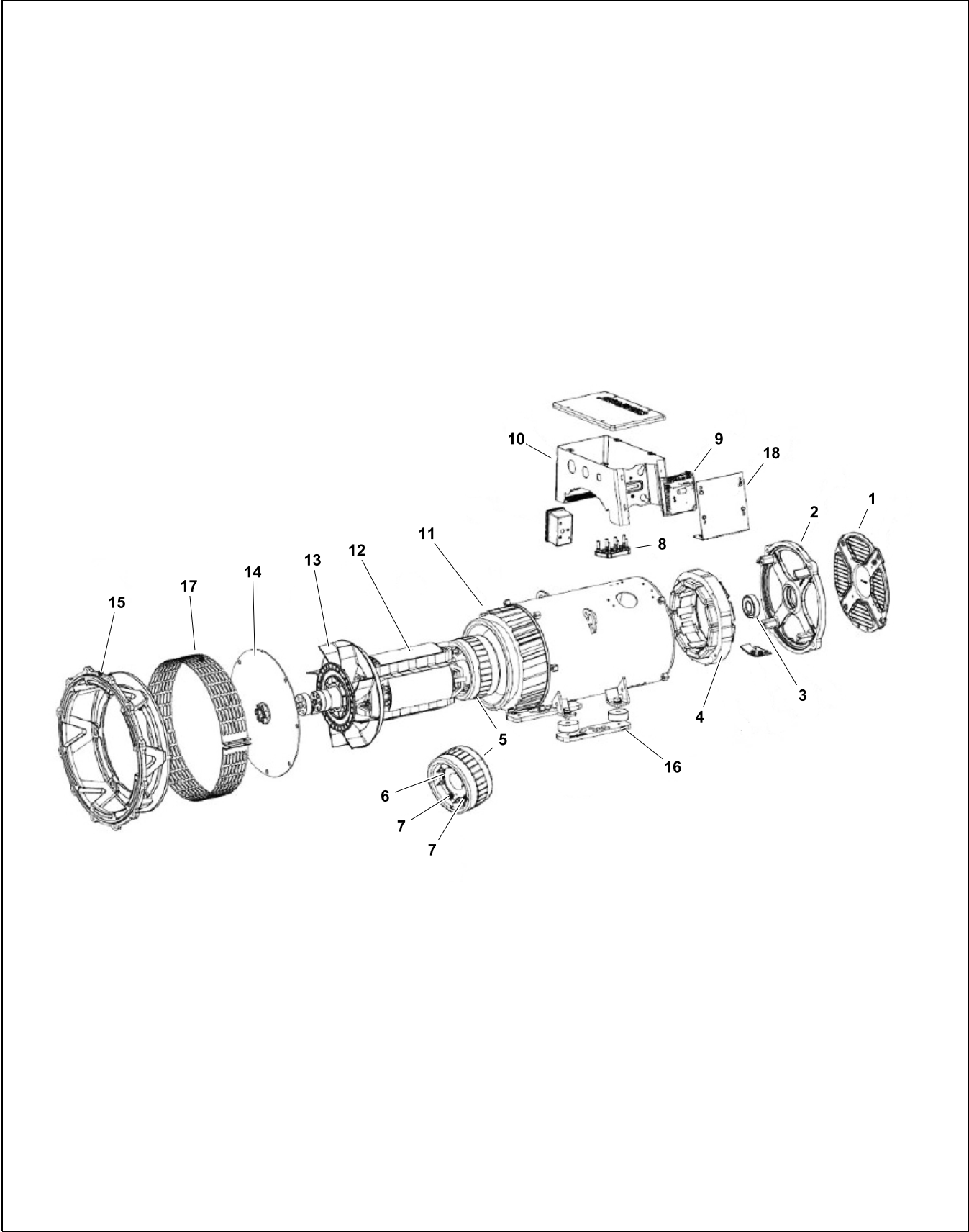
ALTERNATOR MOUNTING (G20/24)



ALTERNATOR MOUNTING (G20/24)

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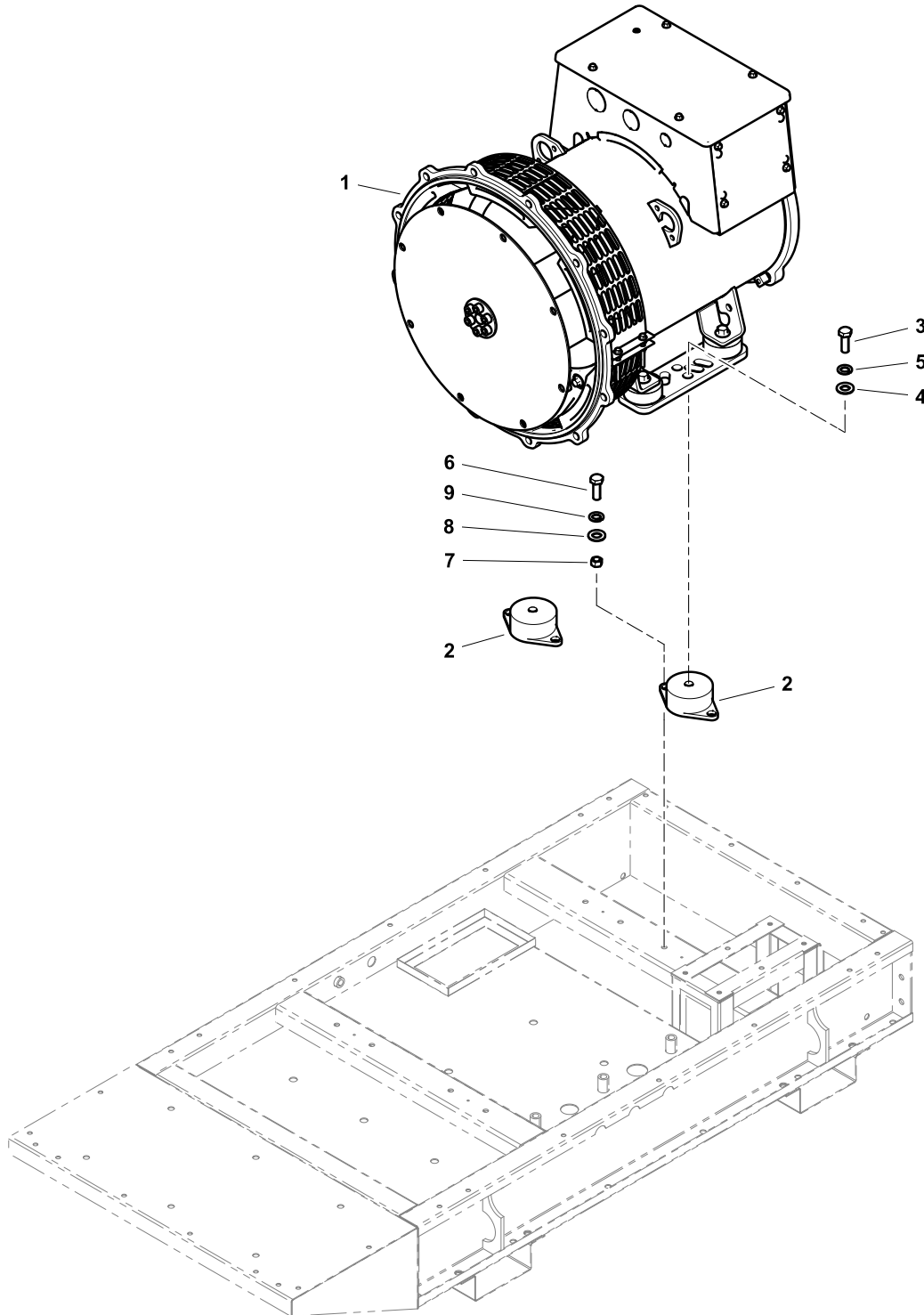
ALTERNATOR S0L2-G1 SINGLE BEARING (G20/24)
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**ALTERNATOR S0L2-G1 SINGLE BEARING
(G20/24)**

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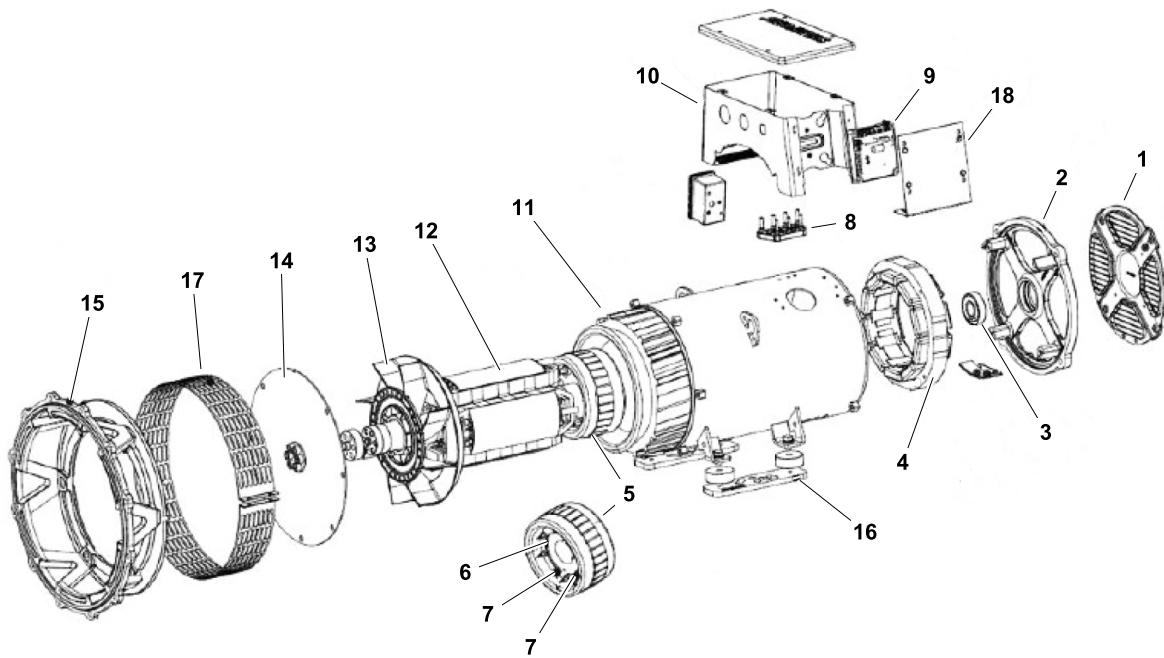
ALTERNATOR MOUNTING (G30/36)



ALTERNATOR MOUNTING (G30/36)

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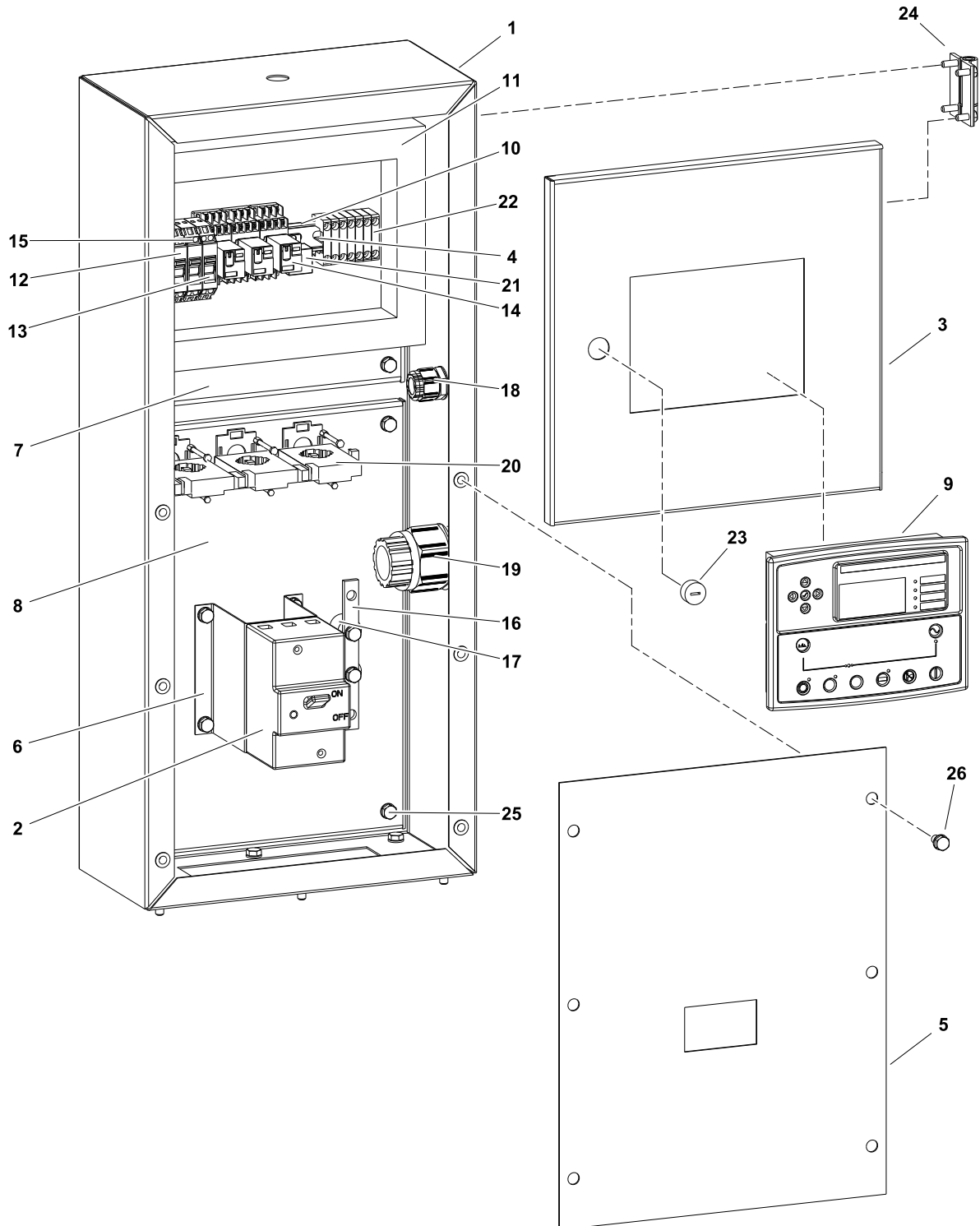
ALTERNATOR S0L2-G1 SINGLE BEARING (G30/36)



**ALTERNATOR S0L2-G1 SINGLE BEARING
(G30/36)**

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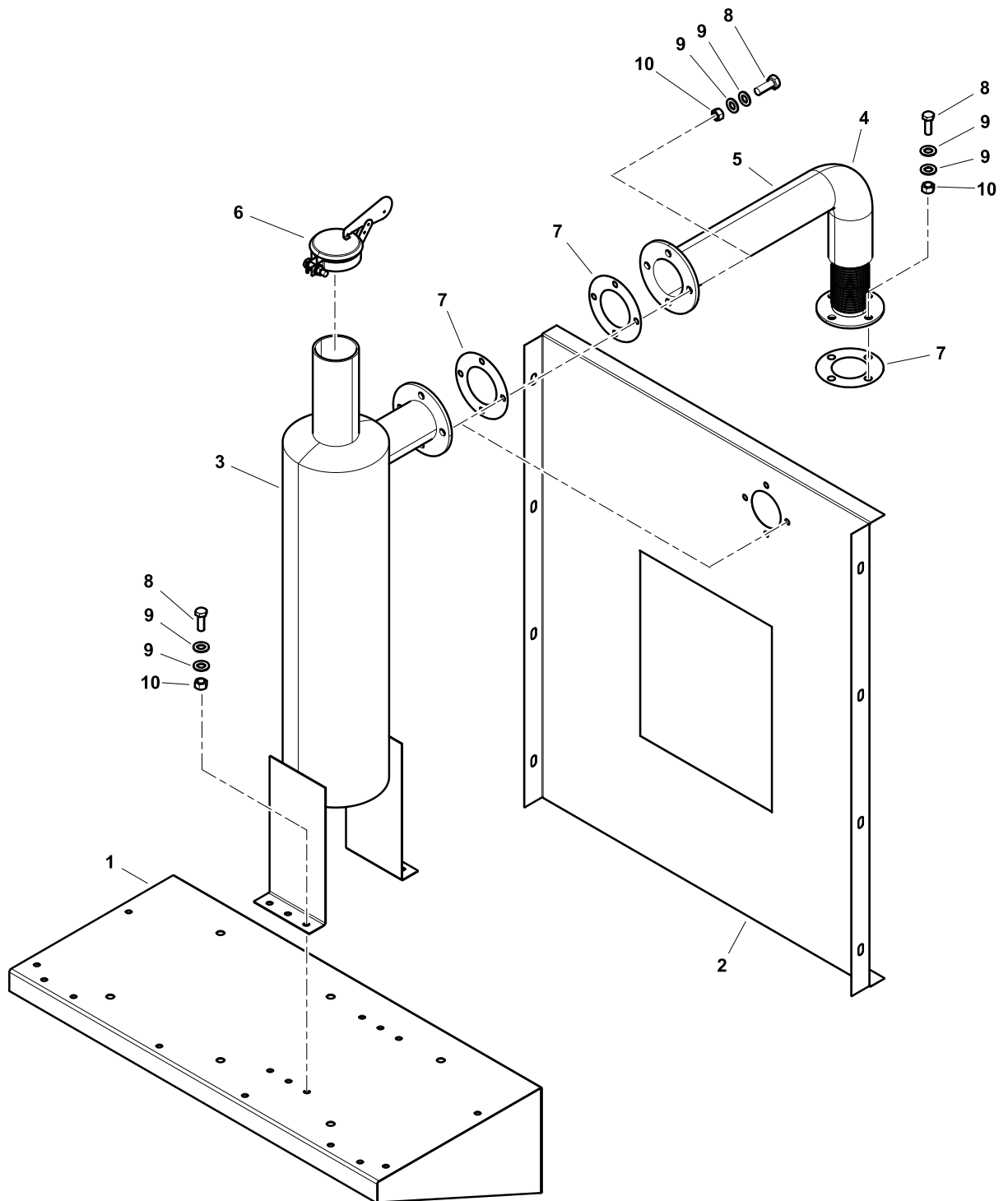
POWER PEDESTAL ASSEMBLY



POWER PEDESTAL ASSEMBLY

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46717262	PANEL, CONTROL			3
2	46716439	CIRCUIT BREAKER	G20/24 32A TP - 400V, 480V, 380V		1
2	46716440	CIRCUIT BREAKER	G30/36 50A TP - 400V, 480V, 380V		1
2	46730725	CIRCUIT BREAKER	G24 63A TP - 220V		1
2	46716441	CIRCUIT BREAKER	G36 100A TP - 220V		1
3	46716452	DOOR, CONTROL			1
4	46717291	WIRE TERMINAL BLOCK STOPPER			2
5	46716442	COVER PLATE, BREAKER			1
6	46717225	BRACKET, BREAKER GI MOUNTING			1
7	46717227	BOX, CONTROL PANEL GI MOUNTING			1
8	46717226	BOX, BREAKER GI MOUNTING			1
9	46706537	CONTROLLER, DIGITAL DSE 6010			1
10	46721250	DIN RAIL	Lenght 0.3m		1
11	46721251	TRUNKING	25X40 mm		1
12	46706563	FUSE CYLINDRICAL	10X38 20A		1
13	46706564	FUSE CYLINDRICAL	10X38 2A		3
14	46706643	RELAY	12VDC		3
15	46706560	FUSE CARRIER			4
16	46706649	TINNED COPPER BUS BAR	20X5MM - Length 0.3m		1
17	46719980	BUSBAR INSULATOR CONICAL	30X6MM		2
18	46719985	CABLE GLAND PVC			1
19	46719986	CABLE GLAND PVC			2
20	46706536	CURRENT TRANSFORMER	100/5A		3
21	46719987	RELAY	12V DC 40A (FOR FUEL)		1
22	46719988	WIRE TERMINAL BLOCK	2.5MM		8
23	46706619	LOCKABLE KNOB	WITH LATCH AND KEY		1
24	46706618	HINGES BLACK			2
25	46716428	BOLT	M6 X 15 LG HEX GI		16
26	46719990	BOLT	M8 X 30 LG HEX GI		16

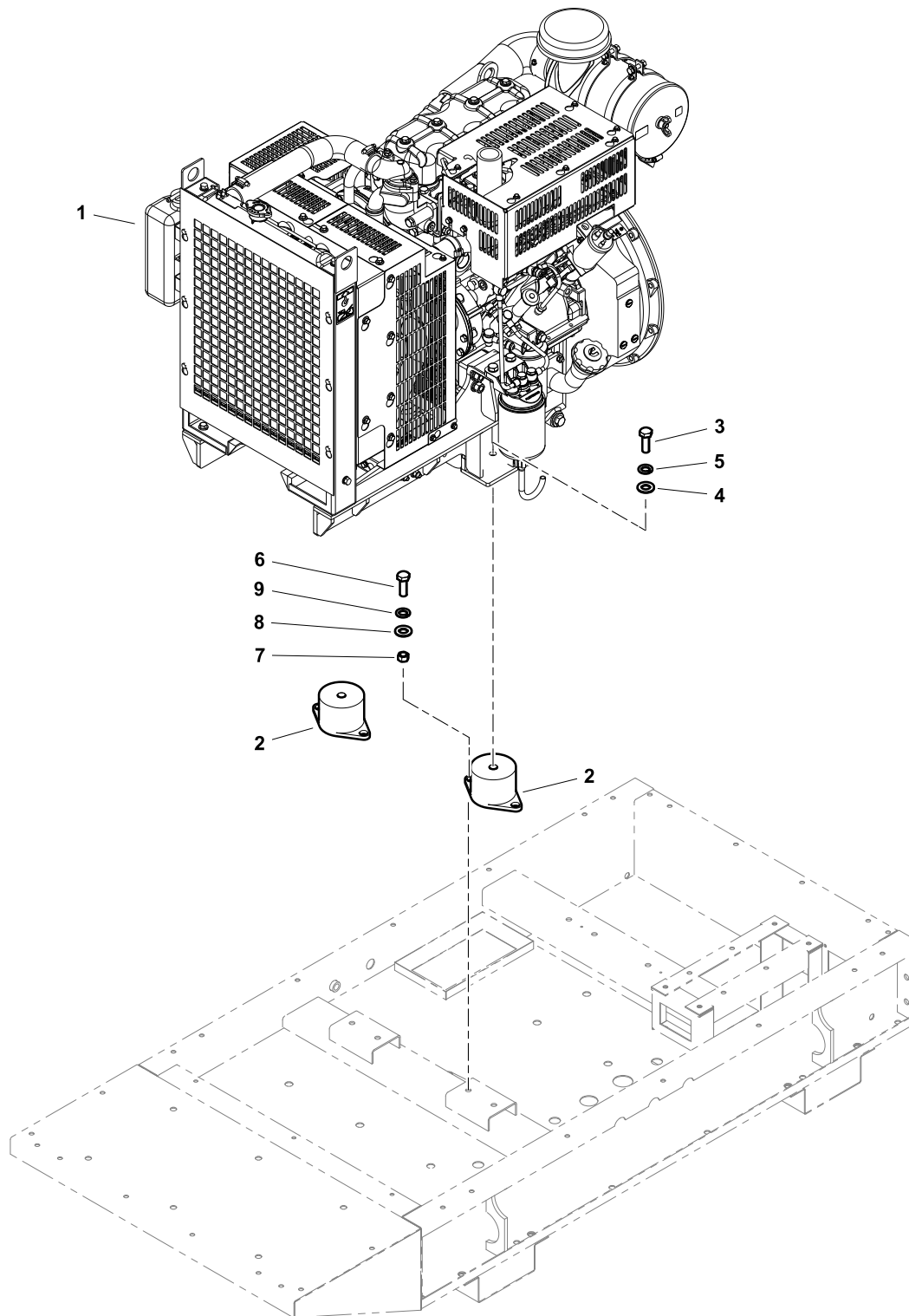
EXHAUST SYSTEM



EXHAUST SYSTEM	
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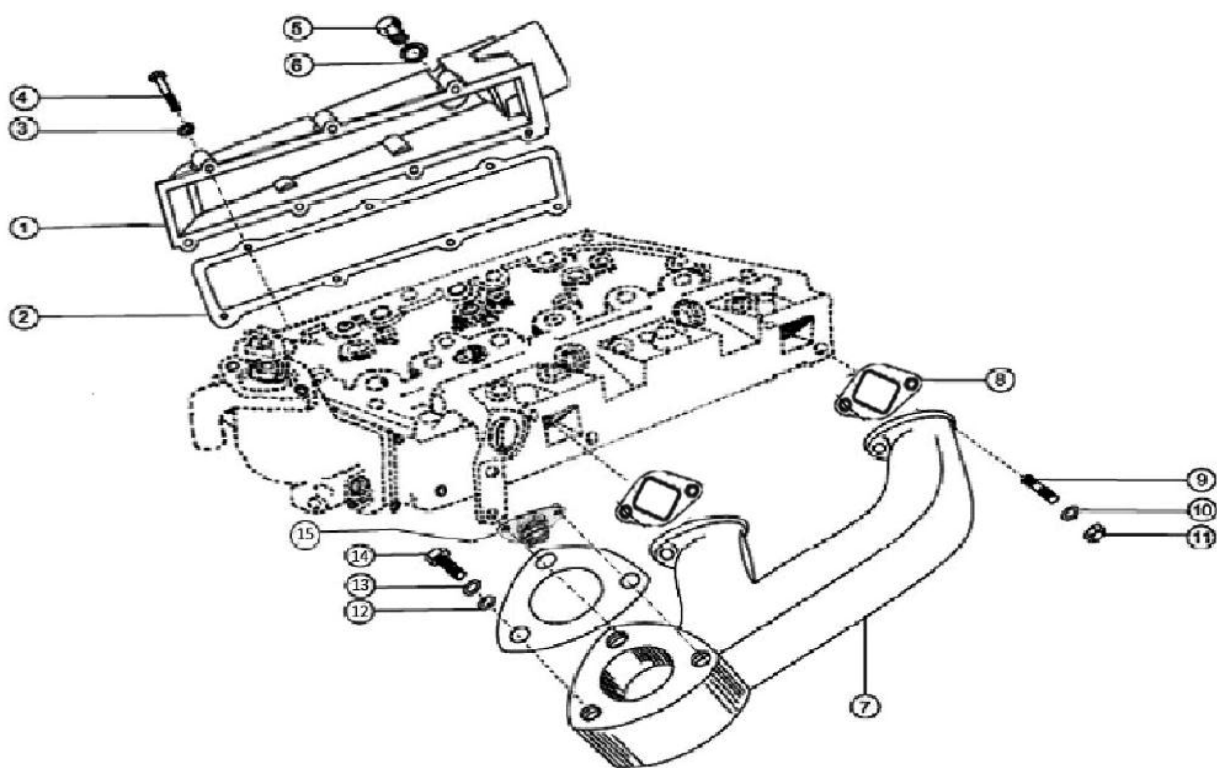
ENGINE ASSEMBLY (G20/24)



ENGINE ASSEMBLY (G20/24)

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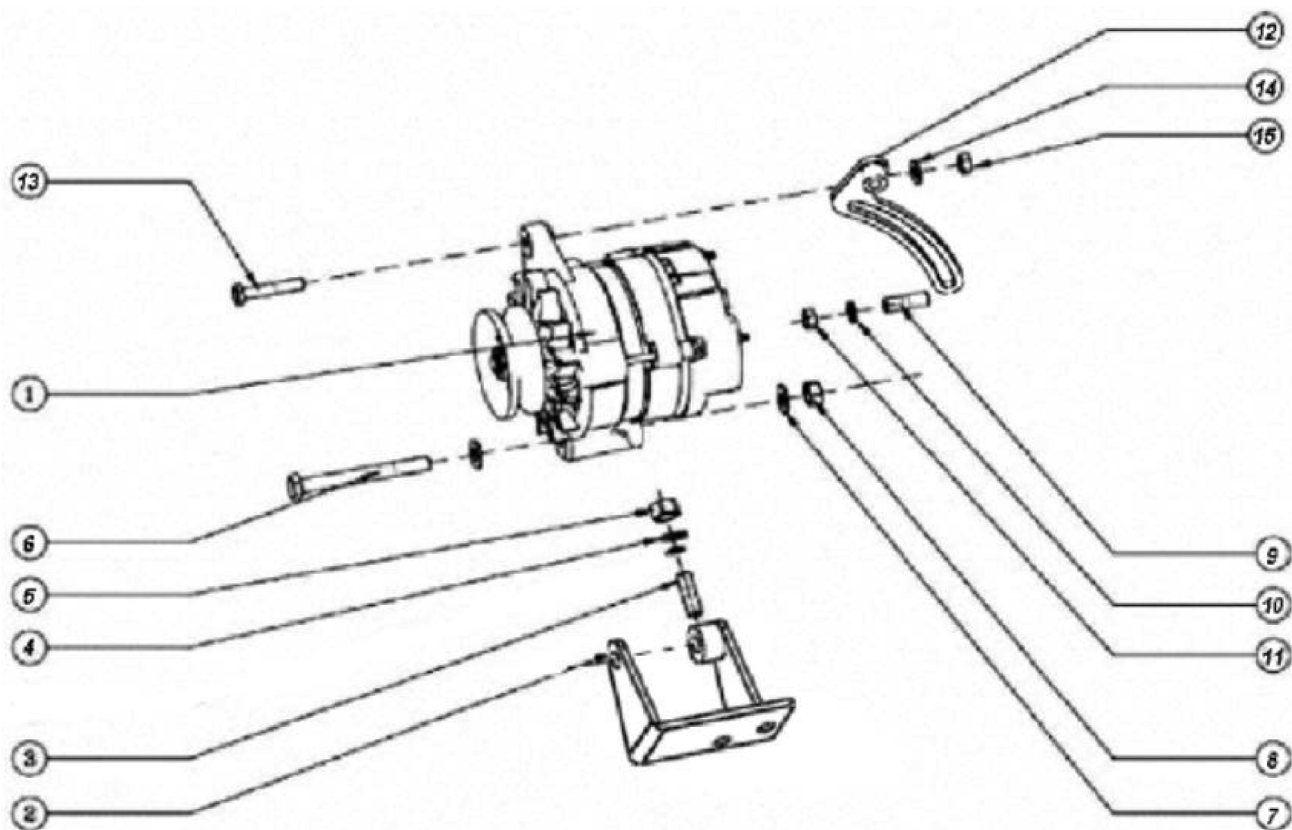
AIR INDUCTION SYSTEM (G20/24)



AIR INDUCTION SYSTEM (G20/24)

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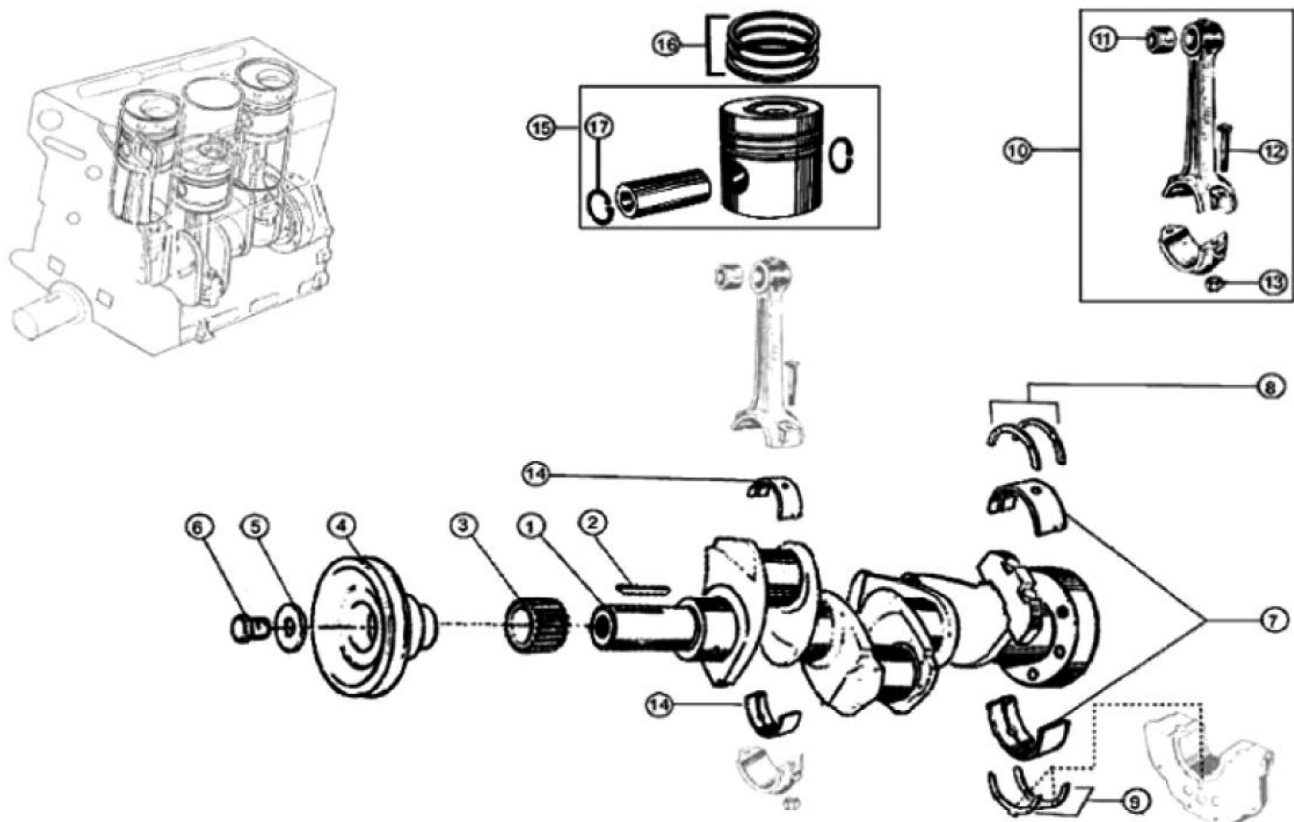
ALTERNATOR MOUNTING (G20/24)



ALTERNATOR MOUNTING (G20/24)

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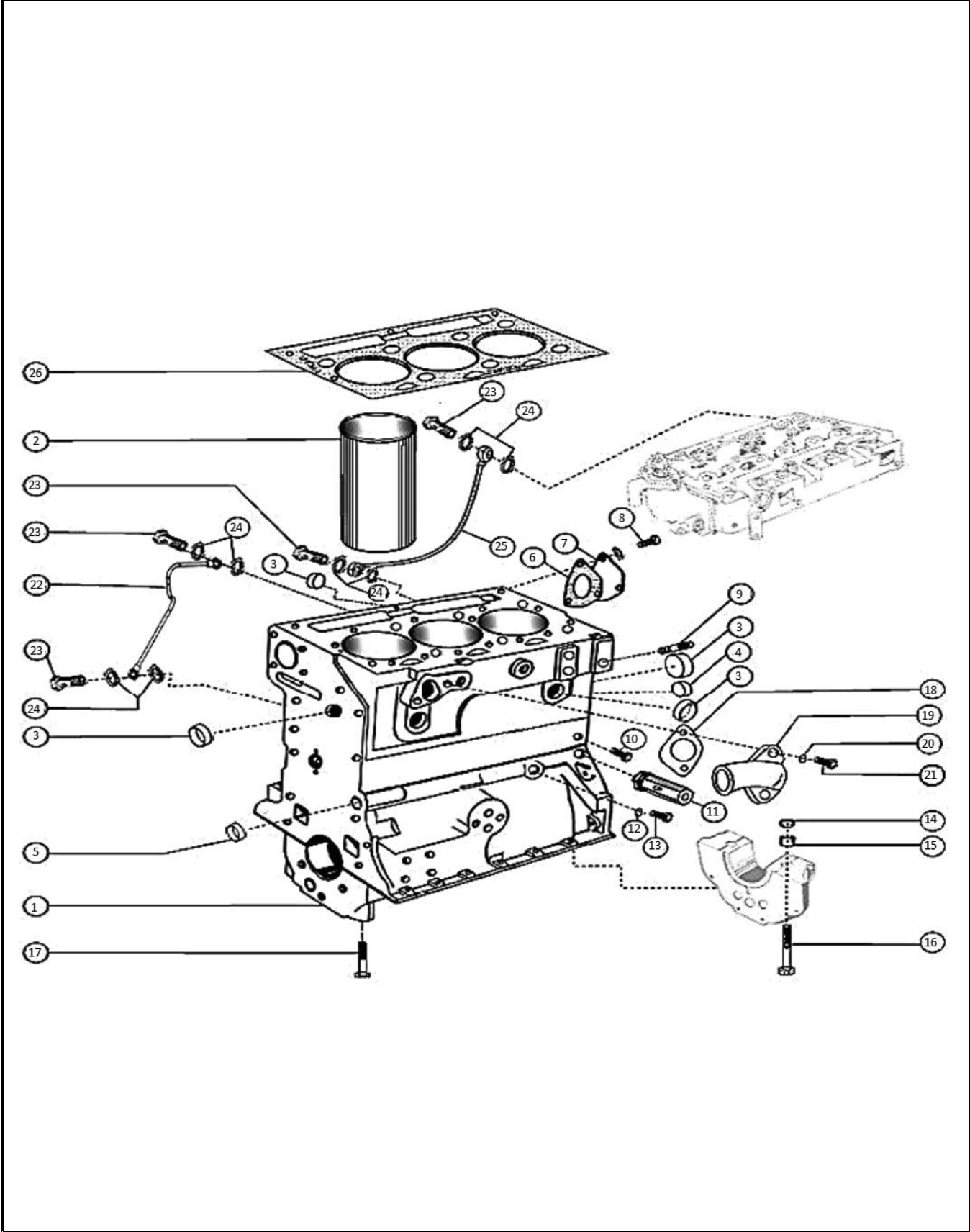
CRANK SHAFT & PISTON ASSEMBLY (G20/24)



CRANK SHAFT & PISTON ASSEMBLY (G20/24)

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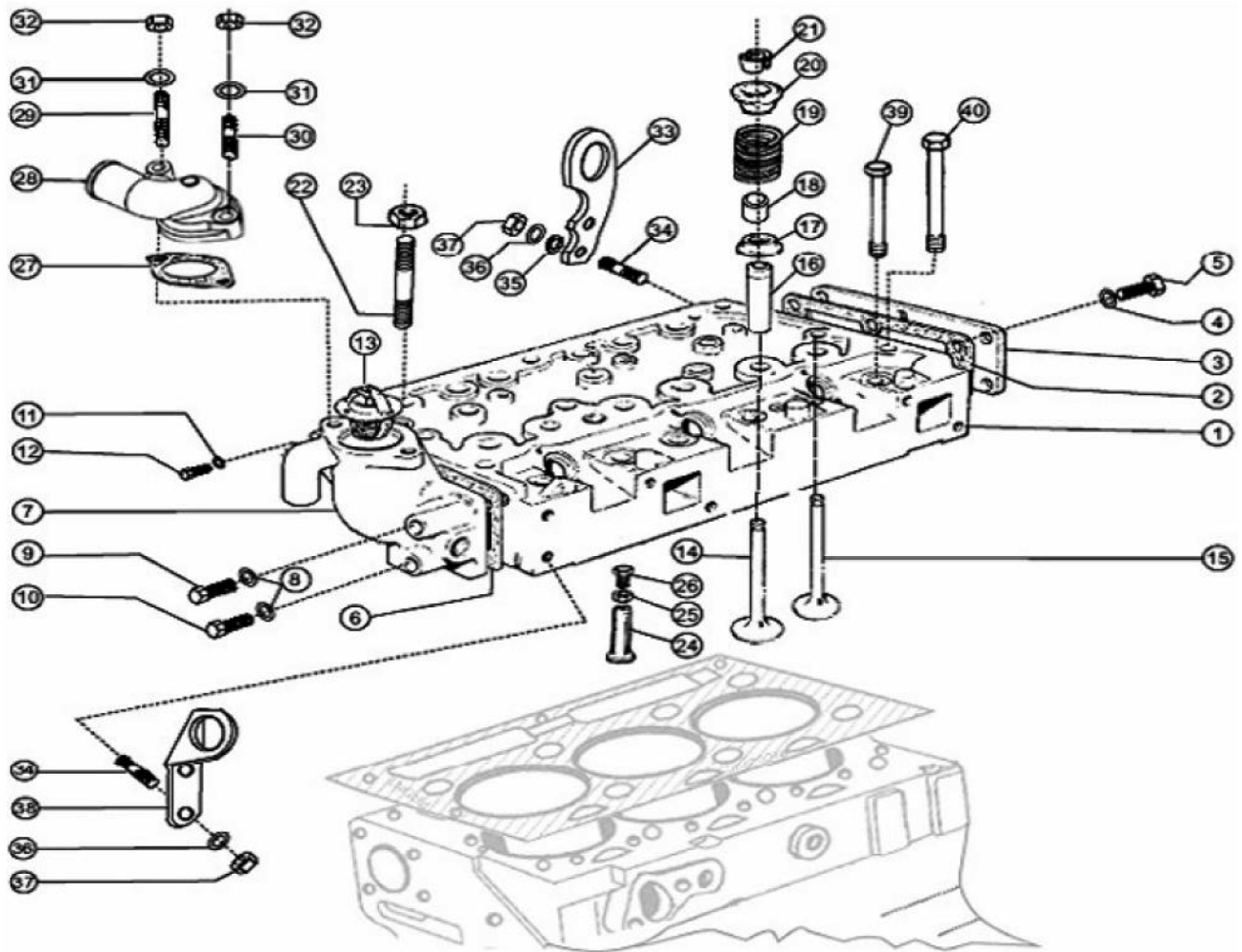
CYLINDER BLOCK (G20/24)	
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CYLINDER BLOCK (G20/24)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46722711	CYLINDER BLOCK ASSEMBLY			1
2	46717144	LINER-CYLINDER BLOCK			3
3	46722690	PLUG-CYLINDER BLOCK WATER JACKET			5
4	46722689	PLUG-CYLINDER BLOCK WATER RAIL			1
5	46722687	PLUG-CYLINDER BLOCK PRESSURE RAIL FRONT AND REAR			2
6	46703620	JOINT-TACHOMETER BLANKING PLATE			1
7	46727461	PLATE-TACHOMETER DRIVE BLANKING			1
8	46716989	FLANGED BOLT			2
9	46722780	STUD-CYLINDER BLOCK			1
10	46716893	DRAIN PLUG-CYLINDER BLOCK			1
11	46716530	ADAPTOR-LUBRICATING OIL PRESSURE GAUGE			1
12	46722816	WASHER-PIPE CYLINDER BLOCK TO FUEL INJECTION PUMP			1
13	46716744	BANJO BOLT-CYLINDER BLOCK TO FUEL INJECTION			1
14	46716482	'O' RING-REAR BEARING CAP THIMBLE			2
15	46722791	THIMBLE-CRANKSHAFT BEARING CAP LOCATING			8
16	46722748	SETSCREW-MAIN BEARING CAP TO CYLINDER BLOCK-REAR CAP			2
17	46722753	SETSCREW-BEARING CAP TO CYLINDER BLOCK			6
18	46717121	JOINT-CYLINDER BLOCK WATER INLET CONNECTION			1
19	46716812	CONNECTION-CYLINDER BLOCK WATER INLET			1
20	46722824	WASHER-WATER INLET CONNECTION SETSCREW			2
21	46716986	FLANGED BOLT	(PRE-COATED)		1
22	46727456	PIPE-PRESSURE RAIL TO CAM CHAMBER ASSEMBLY			1
23	46716744	BANJO-BOLT			4
24	46722816	WASHER-BANJO-BOLT			8
25	46722671	PIPE-CAM CHAMBER TO CYLINDER HEAD ASSEMBLY			1
26	46703599	GASKET-CYLINDER HEAD			1

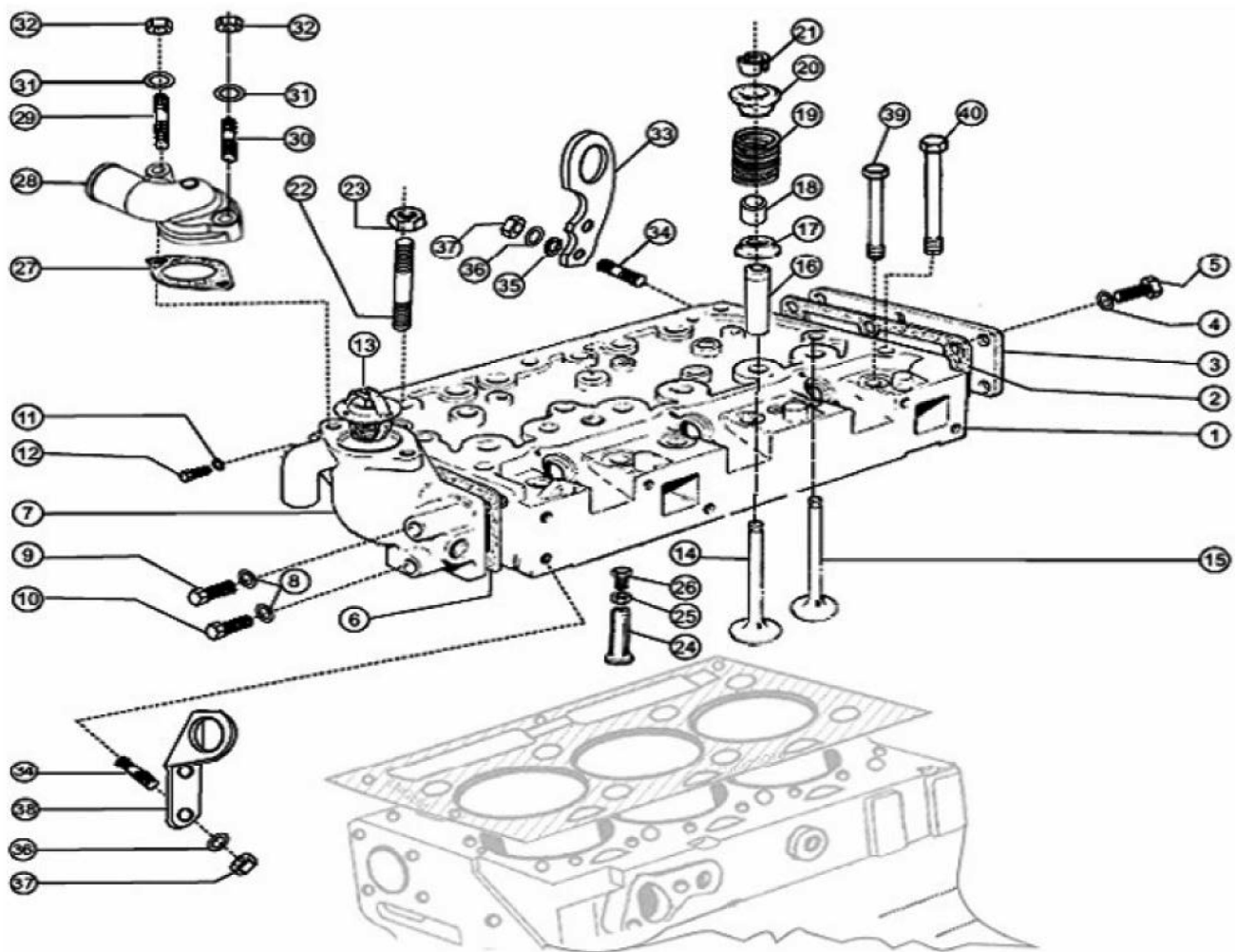
CYLINDER HEAD (G20/24)



CYLINDER HEAD (G20/24)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46716640	CYLINDER HEAD ASSEMBLY			1
1	46716644	CYLINDER HEAD ASSEMBLY MAJOR KIT			1
2	46703603	JOINT-CYLINDER HEAD REAR END COVER PLATE			1
3	46722685	PLATE-CYLINDER HEAD REAR END COVER			1
4	46703632	WASHER SPRING			6
5	46703620	SETSCREW-CYLINDER HEAD REAR AND COVERPLATE RETAINING			6
6	46703602	JOINT-CYLINDER HEAD WATER OUTLET BODY			1
7	46716760	BODY-CYLINDER HEAD WATER OUTLET			1
8	46705661	WASHER SPRING-WATER OUTLET BODY TO CYLINDER HEAD SETSCREW			2
9	46722752	SETSCREW-CYLINDER HEAD TO WATER OUTLET BODY			1
10	46722751	SETSCREW WATER OUTLET BODY TO CYLINDER HEAD			1
11	46705661	WASHER SPRING-OUTLET BODY TO CYLINDER HEAD SETSCREW			2
12	46716986	FLANGED BOLT			1
13	46703628	THERMOSTAT			1
14	46722802	VALVE INLET			3
15	46722795	VALUE EXHAUST			3
16	46717047	GUIDE-EXHAUST AND INLET VALVE			6
17	46722821	WASHER-INLET & EXHAUST VALVE SPRING LOCATING			6
18	46722729	SEAL-VALVE STEM			6
19	46722720	SPRING-EXHAUST & INLET VALVE			6
20	46716788	CAP-VALVE SPRING			6
21	46716818	COTTER-VALVE SPRING			6
22	46722782	STUD-CYLINDER BLOCK TO CYLINDER HEAD RHS HOLE			3
23	46722664	NUT-CYLINDER HEAD RETAINING			3
24	46722788	TAPPET			6
25	46717154	LOCKNUT - TAPPET ADJUSTING SCREW			6
26	46722718	SCREW-TAPPET ADJUSTING			6
27	46703602	JOINT-WATER OUTLET CONNECTION TOP			1
28	46716815	CONNECTION - CYLINDER HEAD WATER OUTLET			1
29	46714043	STUD-WATER OUTLET CONNECTION			1
30	46714042	STUD-WATER OUTLET CONNECTION			1

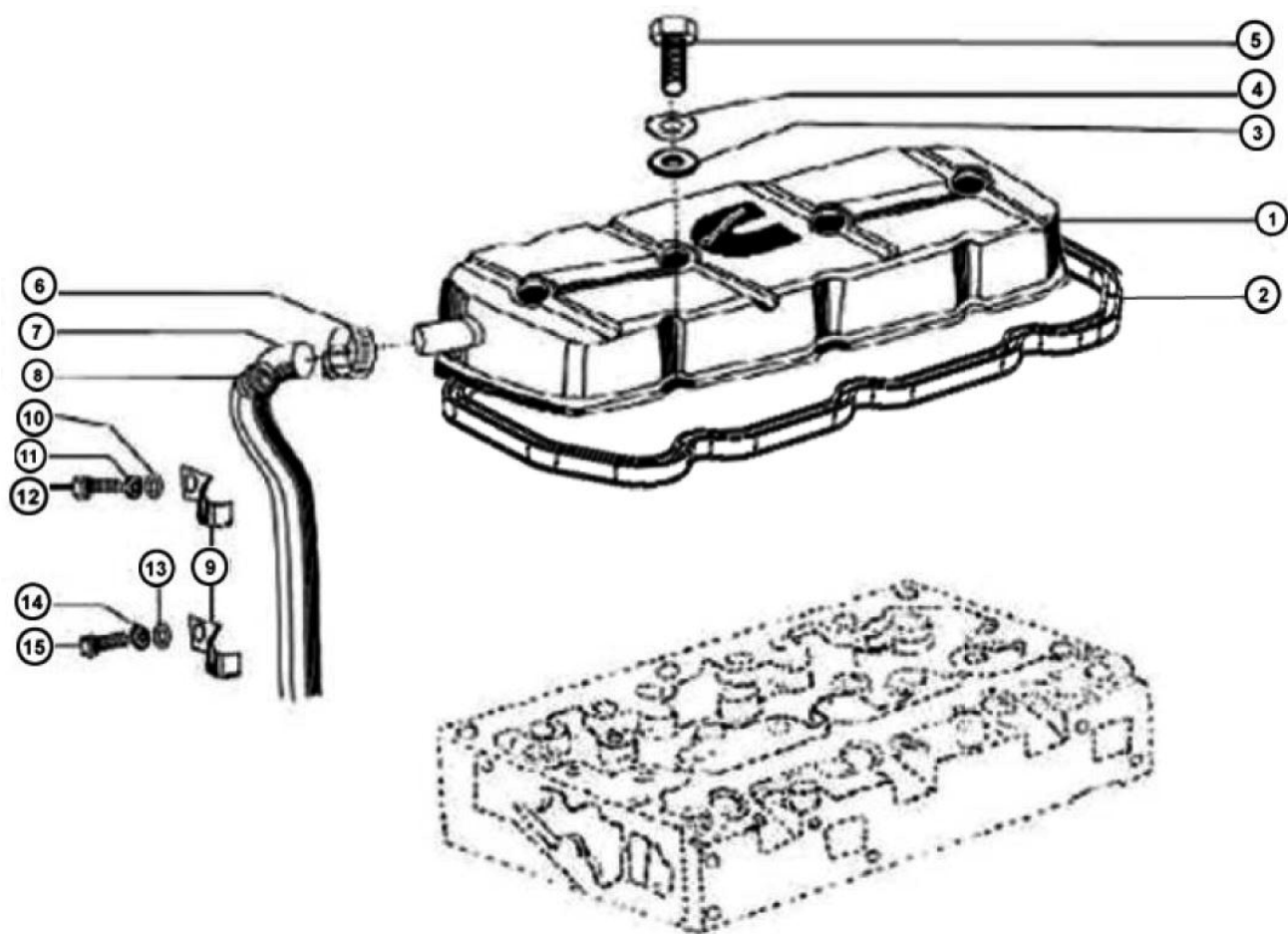
CYLINDER HEAD (G20/24)



CYLINDER HEAD (G20/24)	
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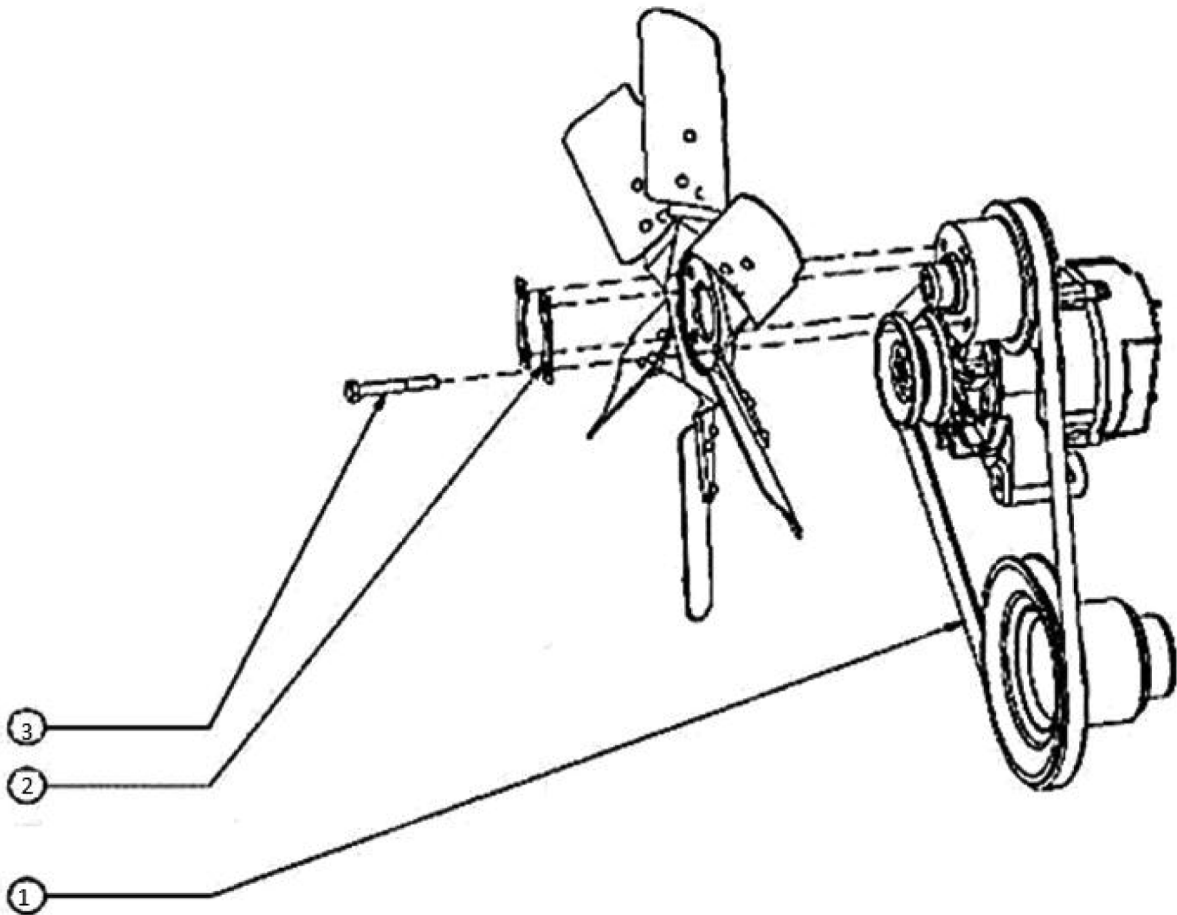
CYLINDER HEAD COVER (G20/24)



CYLINDER HEAD COVER (G20/24)	
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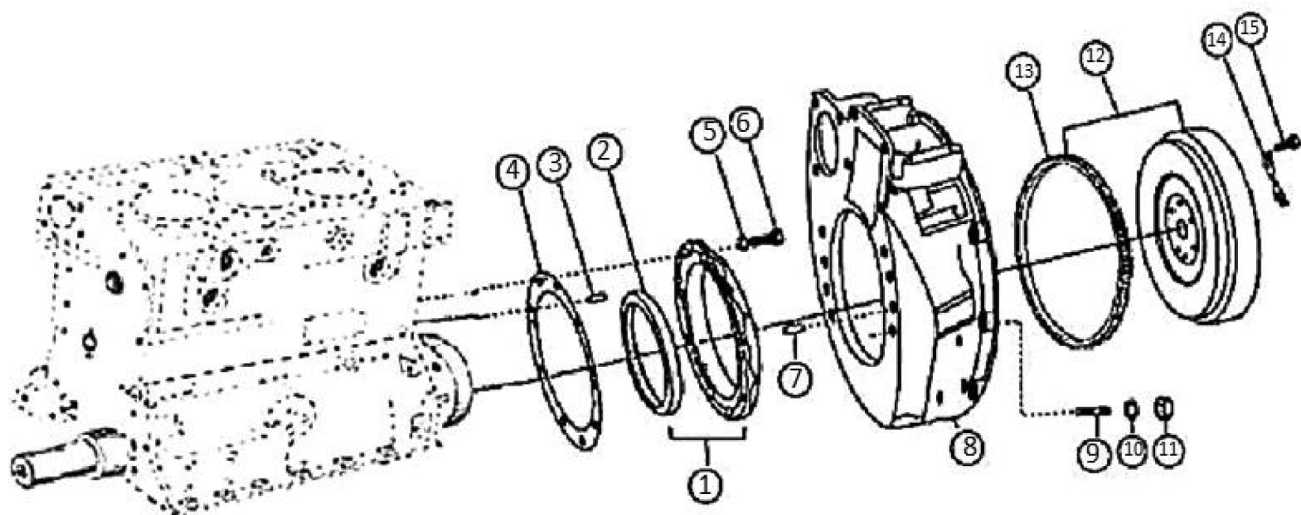
FAN ASSEMBLY (G20/24)



FAN ASSEMBLY (G20/24)	
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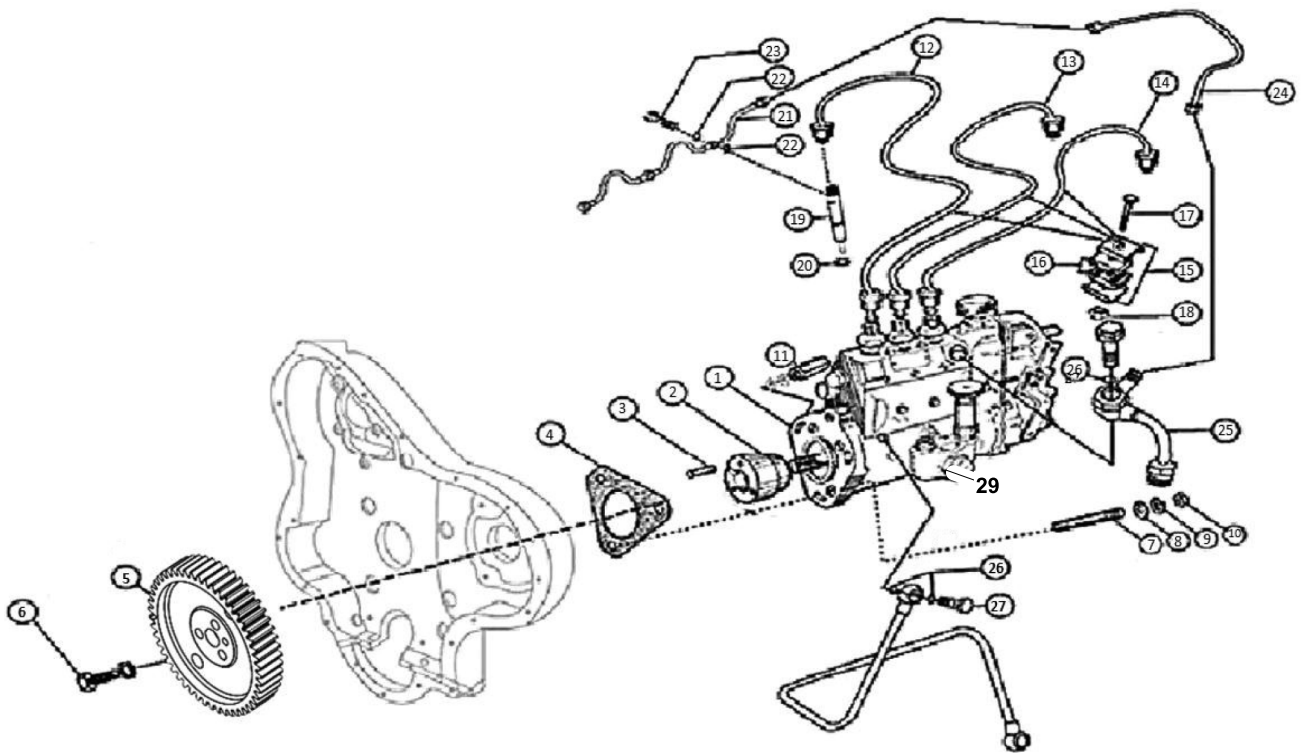
FLYWHEEL/HOUSING/REAR END OIL SEAL (G20/24)



**FLYWHEEL/HOUSING/REAR END OIL SEAL
(G20/24)**

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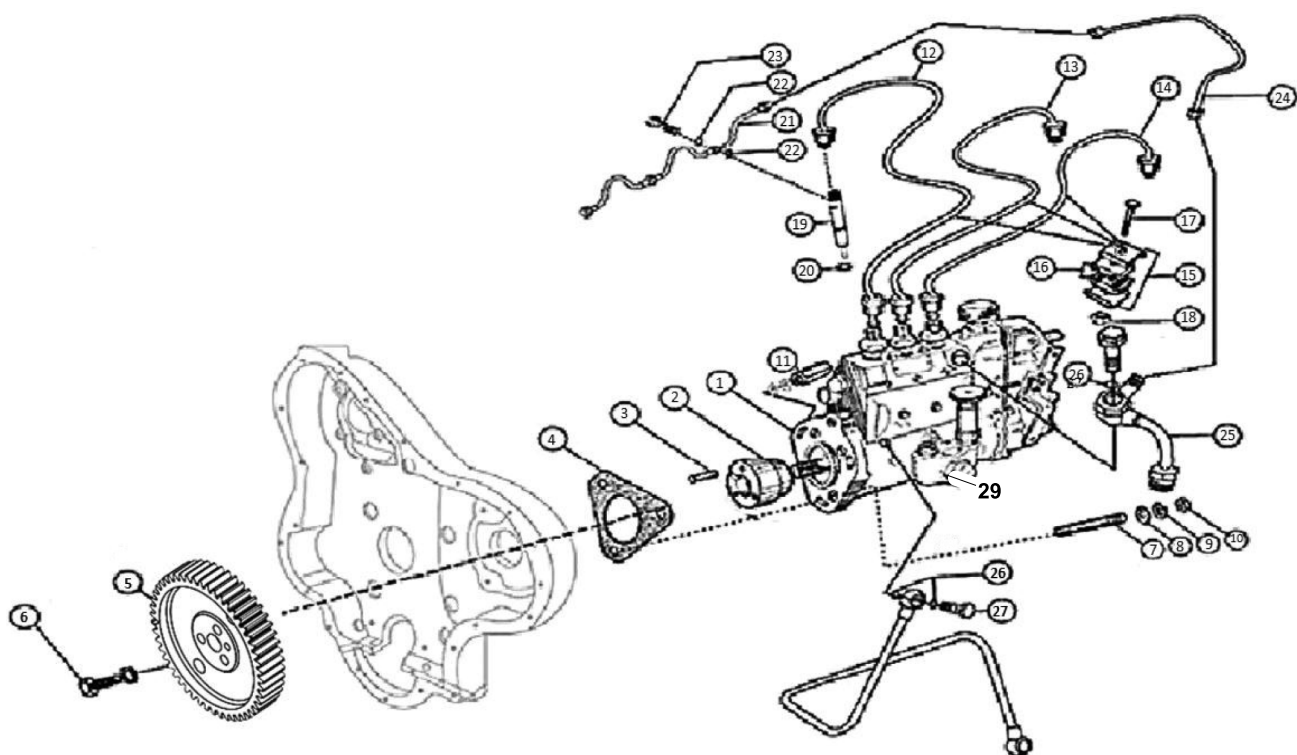
FUEL INJECTION EQUIPMENT (G20/24)



FUEL INJECTION EQUIPMENT (G20/24)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46703589	FUEL INJECTION PUMP (X2.5 G2)	G20		1
1	46717019	FUEL INJECTION PUMP (X2.5 G4)	G24		1
2	46716533	ADAPTER-FUEL INJECTION PUMP GEAR			1
3	46716888	DOWEL - DRIVE GEAR LOCATING			1
4	46703619	JOINT - FUEL PUMP TO TIMING CASE			1
5	46717037	GEAR - FUEL PUMP DRIVE			1
6	46716989	FLANGED BOLT			3
7	46714039	STUD - TIMING CASE TO FUEL INJECTION PUMP			3
8	46705504	WASHER PLAIN - FUEL INJECTION PUMP RETAINING NUT			3
9	46703632	WASHER SPRING - FUEL INJECTION PUMP RETAINING NUT			3
10	46703633	NUT - FUEL INJECTION PUMP RETAINING			2
11	46722662	NUT - FUEL INJECTION PUMP RETAINING			1
12	46727458	PIPE FUEL INJECTION NO. 1 CYLINDER ASSY			1
12	46717092	HIGH PRESSURE PIPE NO:1			1
13	46729672	PIPE FUEL INJECTION NO. 2 CYLINDER ASSY			1
13	46717090	HIGH PRESSURE PIPE NO:2			1
14	46729677	PIPE FUEL INJECTION NO. 3 CYLINDER ASSY			1
14	46717088	HIGH PRESSURE PIPE NO:3			1
14A	46717125	KIT-HIGH PRESSURE PIPE ASSY			1
15	46722688	PLATE - FUEL INJECTION PIPE VIBRATION DAMPER RETAINING			4
16	46716880	DAMPER - FUEL INJECTION PIPE DAMPER			4
17	46722719	SCREW - FUEL INJECTION PIPE DAMPER			2
18	46722666	NUT - FUEL INJECTION PIPE DAMPER SCREW			2
19	46709378	NOZZLE & HOLDER ASSY	G20		3
19	46722094	NOZZLE & HOLDER ASSY	G24		3
20	46705642	WASHER -NOZZLE SEATING			3
21	46716553	ASSY ATOMISER LEAKOFF PIPE			1
22	46722818	WASHER - BANJO BOLT			6
23	46716757	BOLT BANJO			3
24	46727453	PIPE ASSEMBLY - FUEL OIL LEAK OFF TO FIP RETURN			1
25	46722676	PIPE ASSEMBLY - FUEL INJECTION TO TANK			1

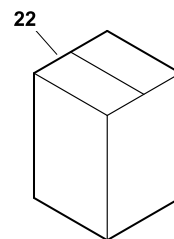
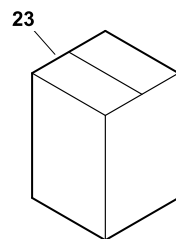
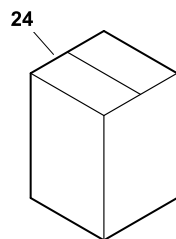
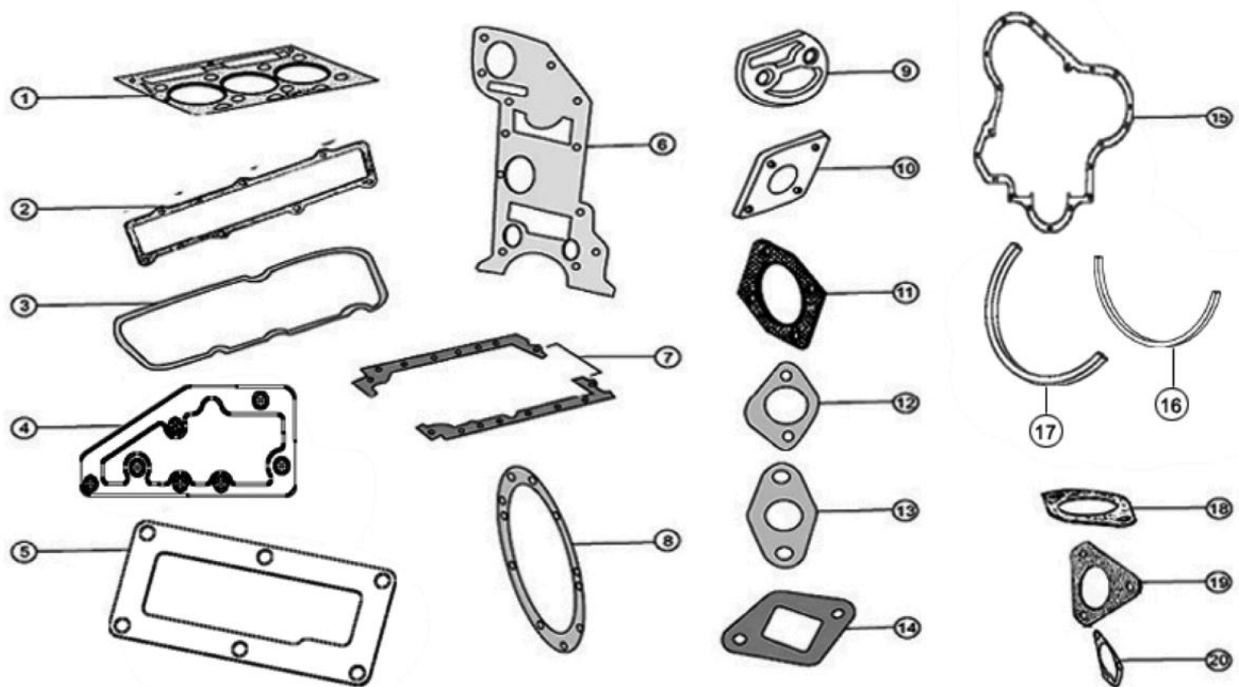
FUEL INJECTION EQUIPMENT (G20/24)



FUEL INJECTION EQUIPMENT (G20/24)	
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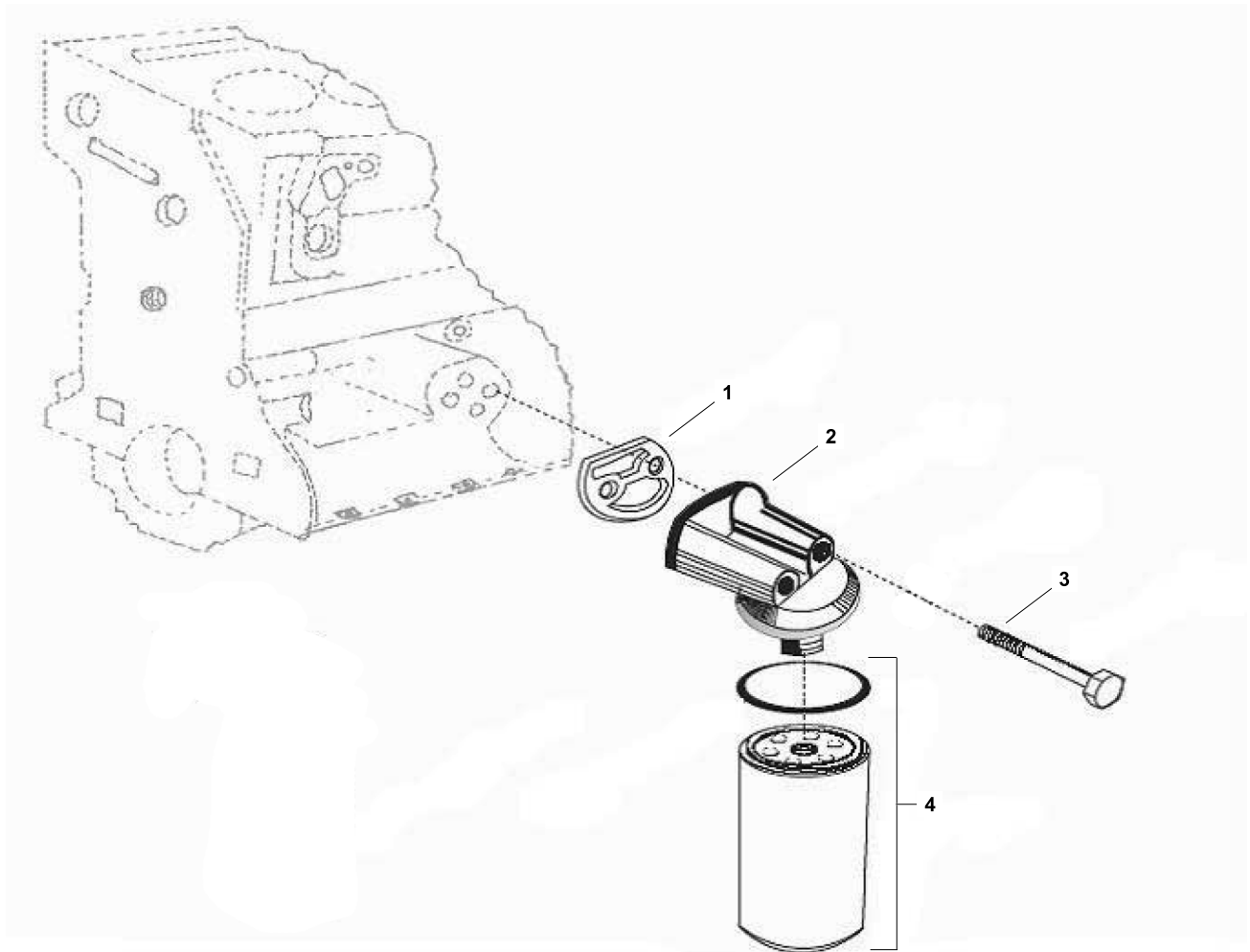
JOINTS AND GASKETS (G20/24)



JOINTS AND GASKETS (G20/24)	
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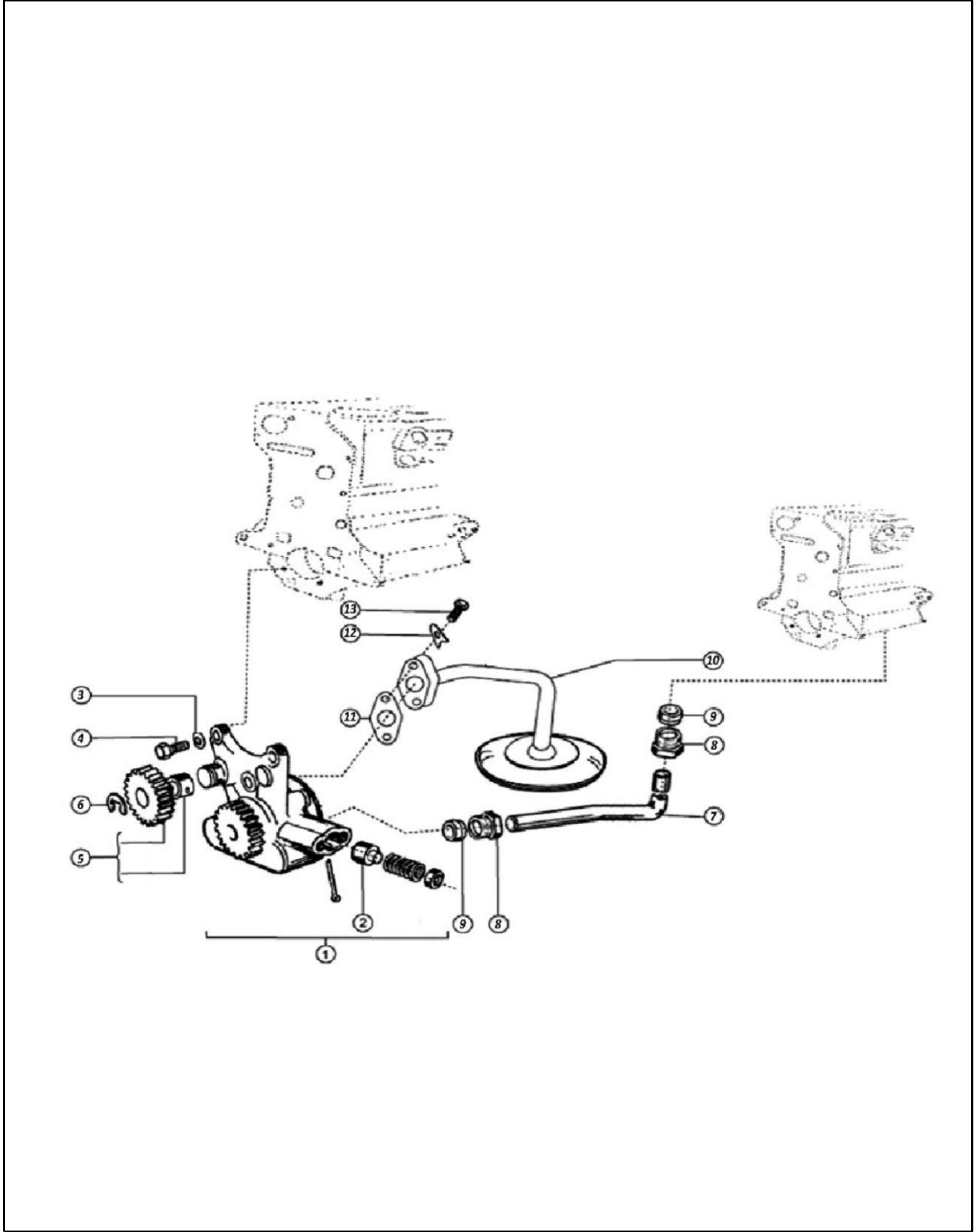
LUBRICATING OIL FILTERS (G20/24)



LUBRICATING OIL FILTERS (G20/24)	
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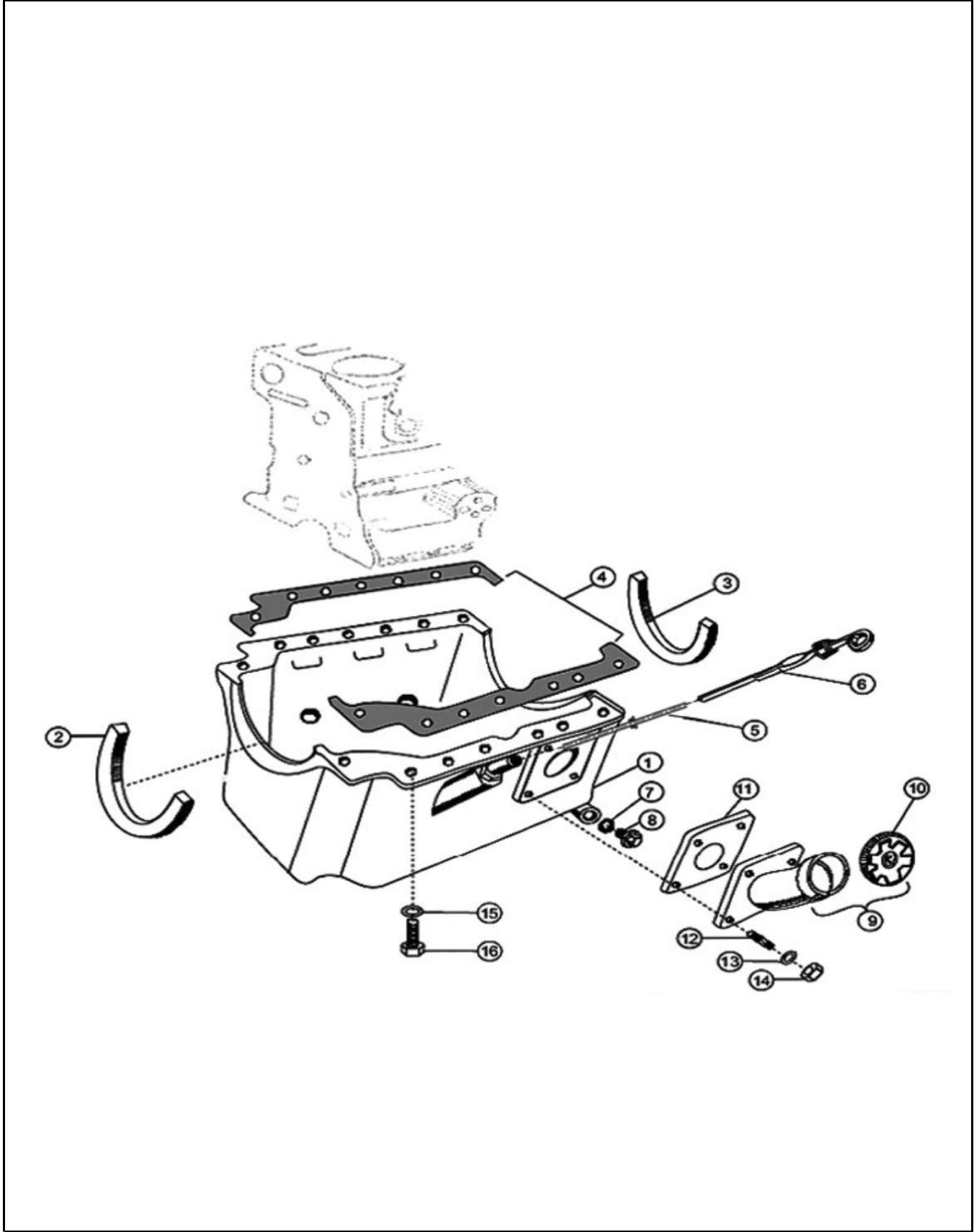
LUBRICATING OIL PUMP (G20/24)	
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LUBRICATING OIL PUMP (G20/24)	
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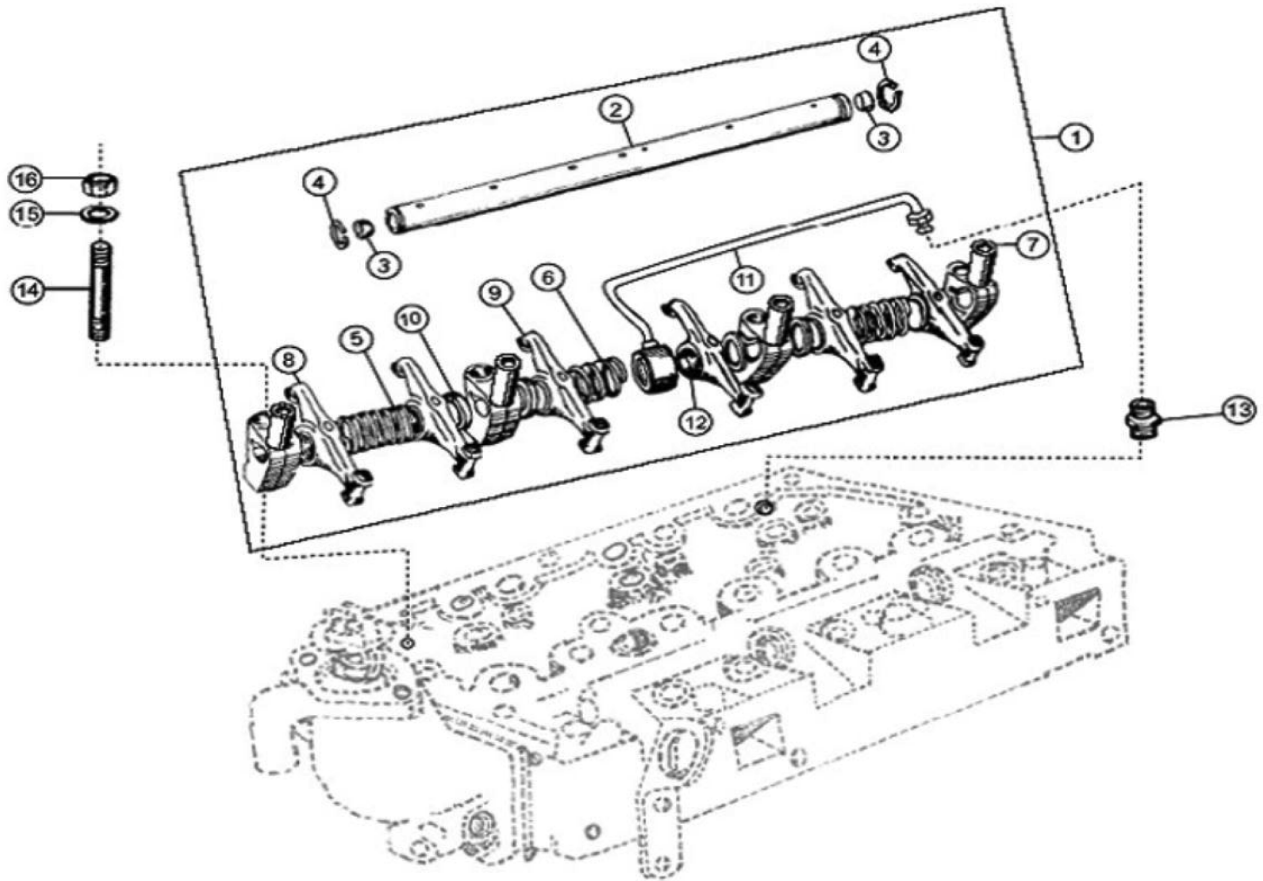
LUBRICATING OIL SUMP (G20/24)	
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LUBRICATING OIL SUMP (G20/24)

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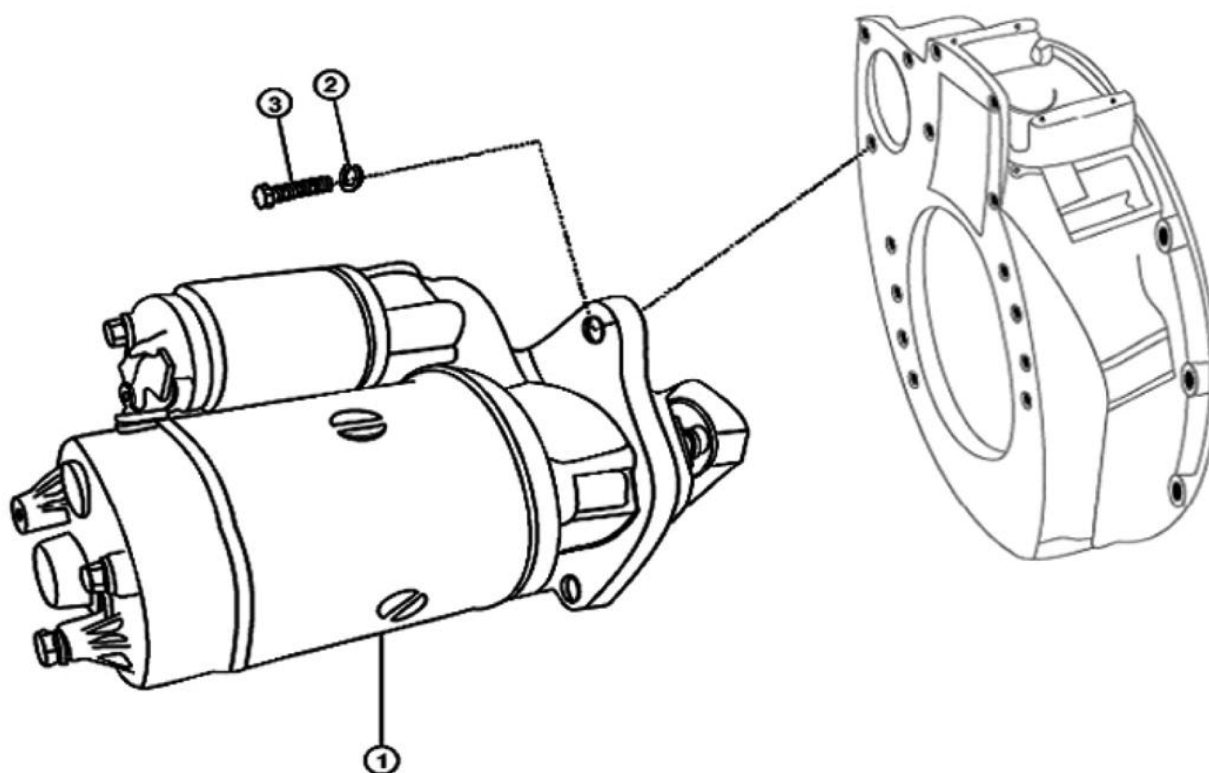
ROCKER SHAFT ASSEMBLY (G20/24)



ROCKER SHAFT ASSEMBLY (G20/24)

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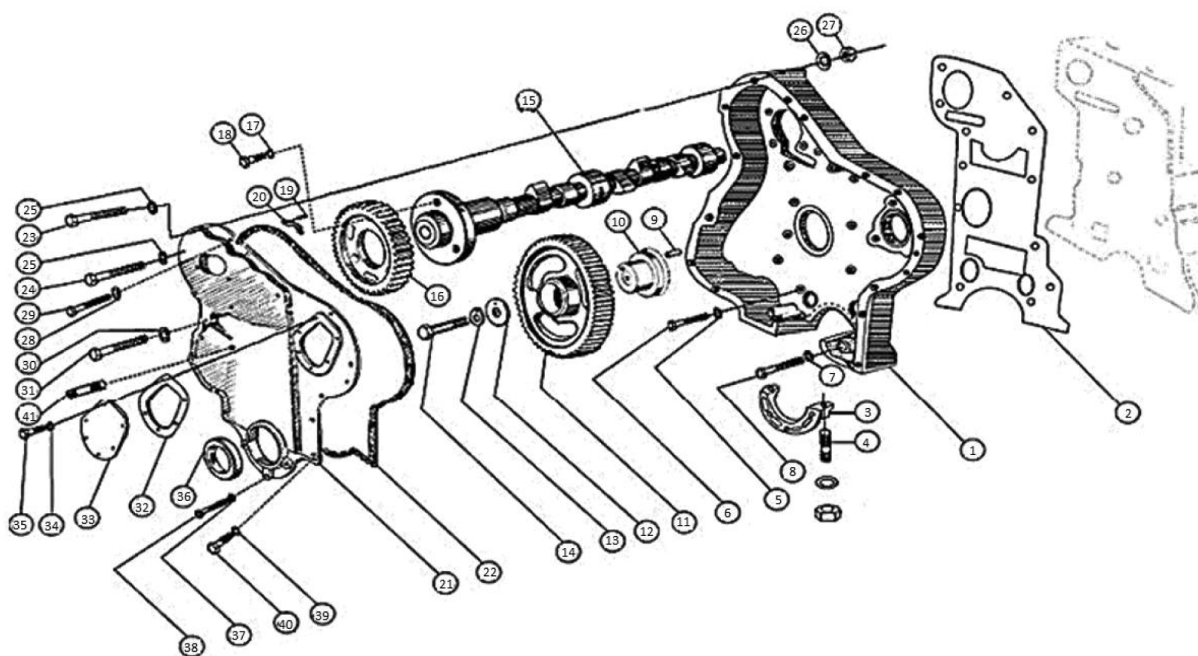
STARTER MOTOR (G20/24)



STARTER MOTOR (G20/24)

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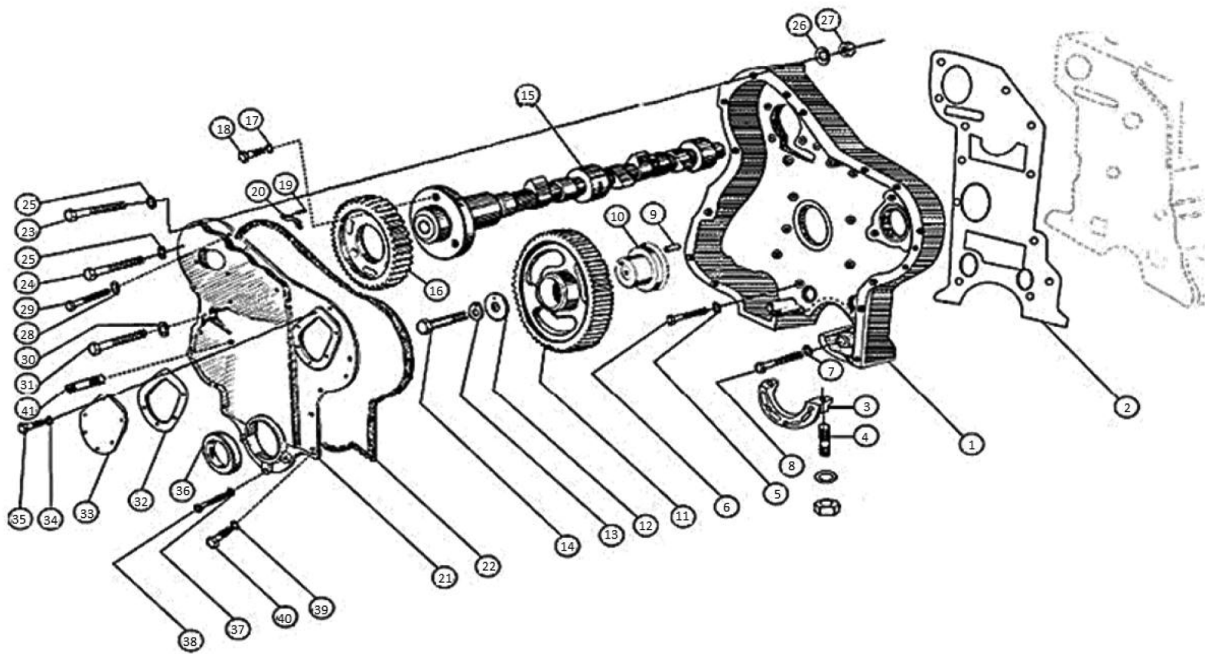
TIMING GEAR & CAMSHAFT (G20/24)



TIMING GEAR & CAMSHAFT (G20/24)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46722793	TIMING CASE (CAST IRON)			1
2	46703604	JOINT - TIMING CASE TO CYLINDER BLOCK			1
3	46716623	COVER - TIMING CASE BOTTOM			1
4	46716985	FLANGED BOLT (M8X1.25X30)- 10.9			2
5	46703632	SPRING WASHER			12
6	46722747	SETSCREW LUBRICATING OIL PUMP ASSEMBLY TO FRONT BEARING CAP			12
7	46703632	SPRING WASHER			2
8	46722756	SETSCREW CYLINDER BLOCK TO WATER INLET BODY			2
9	46716885	DOWEL - IDLER GEAR HUB LOCATING			1
10	46717105	HUB - IDLER			1
11	46717038	GEAR - IDLER			1
12	46722686	PLATE - IDLER GEAR RETAINING			1
13	46722786	TAB WASHER - IDLER GEAR HUB SETSCREW			1
14	46722750	SETSCREW - IDLER GEAR HUB TO CYLINDER BLOCK			1
15	NAP	CAMSHAFT WITH BUSH			1
16	46717035	GEAR - CAMSHAFT DRIVING			1
17	46703632	SPRING WASHER			3
18	46722758	SETSCREW CYLINDER BLOCK TO WATER INLET CONNECTION			3
19	46722706	RIVET - CAMSHAFT THRUST SPRING TO TIMING CASE FRONT COVER			1
20	46722765	SPRING - CAMSHAFT THRUST			1
21	46716628	COVER- TIMING CASE FRONT ASSY			1
22	46703613	JOINT - FRONT COVER TO TIMING CASE			1
23	46709478	BOLT			2
24	46709477	SETSCREW TIMING CASE COVER TO TIMING CASE			1
25	46722810	WASHER - TIMING CASE BOLT FRONT COVER TO TIMING CASE NUT			3
26	46703632	SPRING WASHER			3
27	46722660	NUT - TIMING CASE FRONT COVER BOLT TO TIMING CASE SETSCREW			3
28	46703632	SPRING WASHER			2
29	46722749	SETSCREW			2
30	46705661	WASHER SPRING CYLINDER HEAD STUD TO EXHAUST			2
31	46709476	SETSCREW BODY WATER OUTLET			2

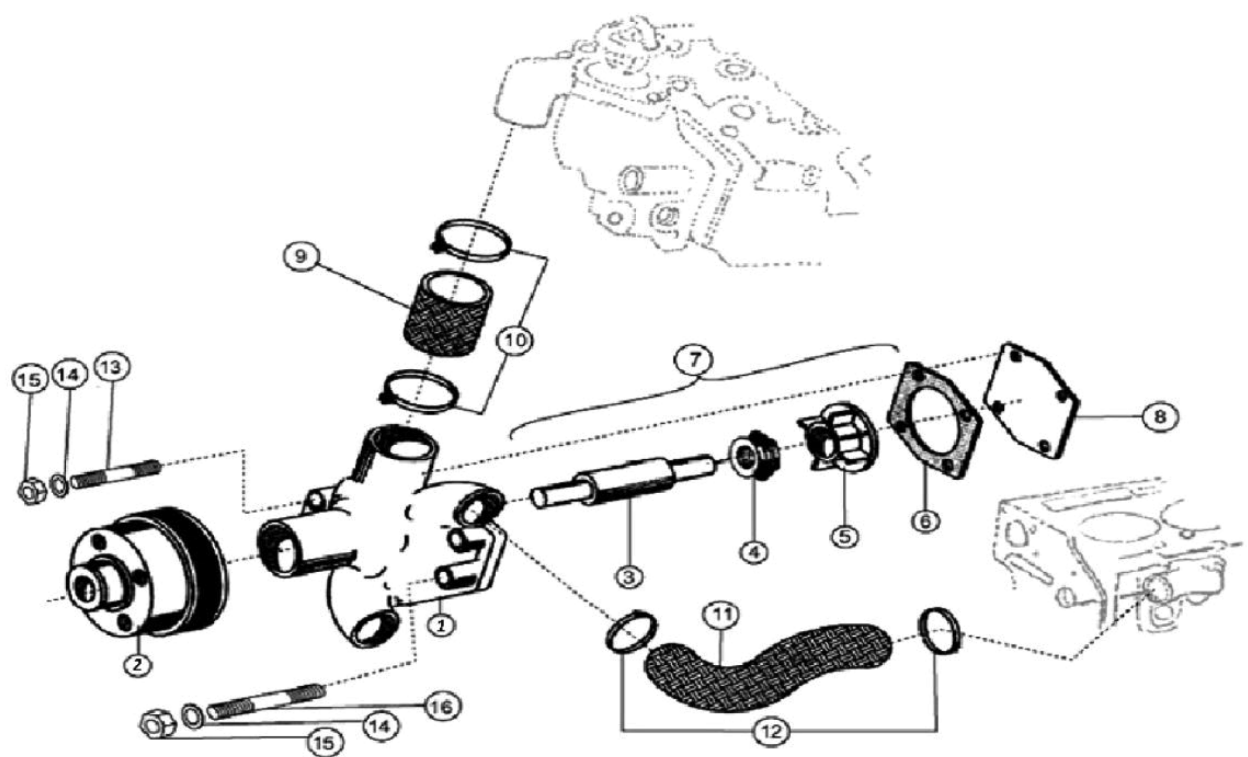
TIMING GEAR & CAMSHAFT (G20/24)



TIMING GEAR & CAMSHAFT (G20/24)	
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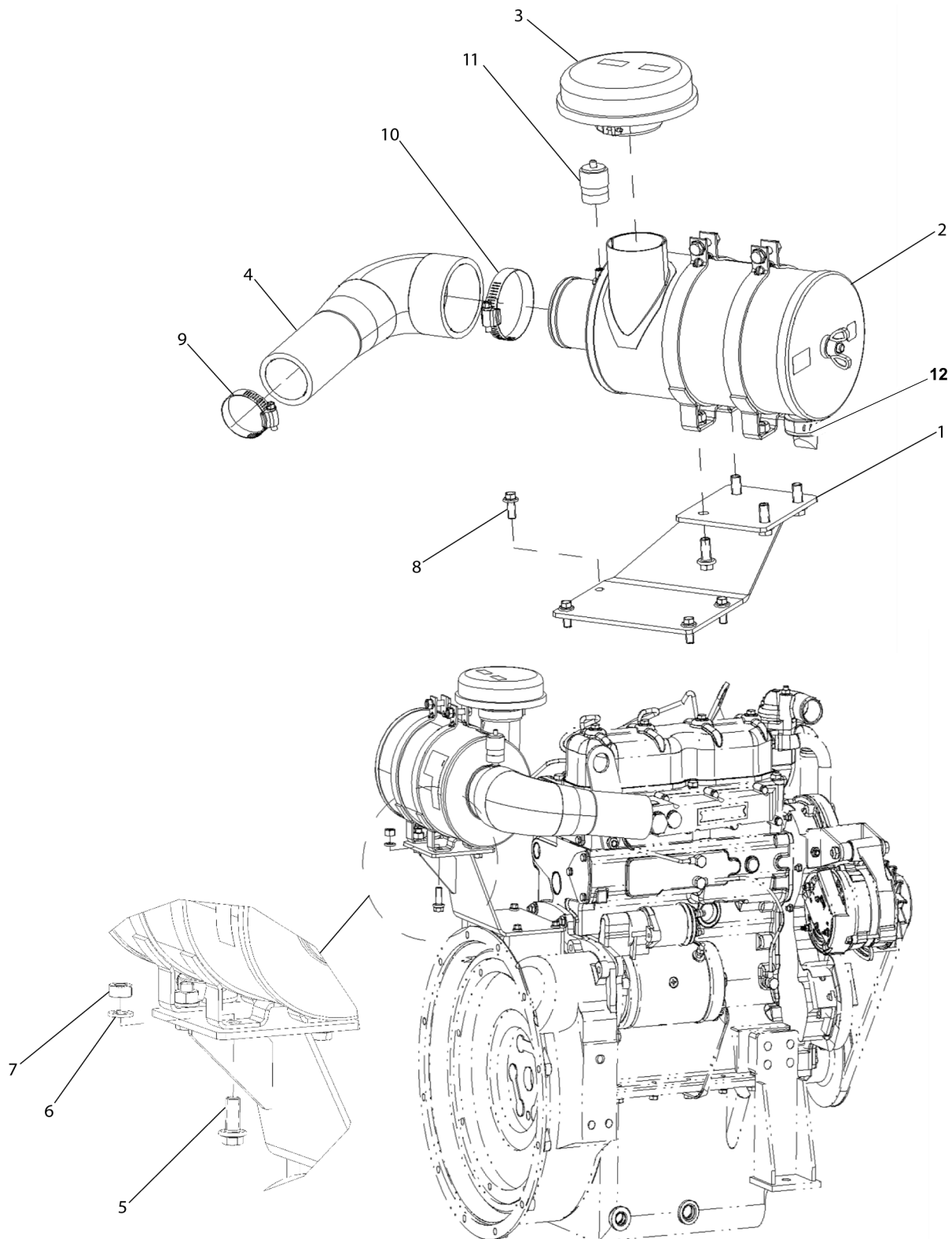
**WATER PUMP ASSEMBLY
(G20/24)**



WATER PUMP ASSEMBLY (G20/24)	
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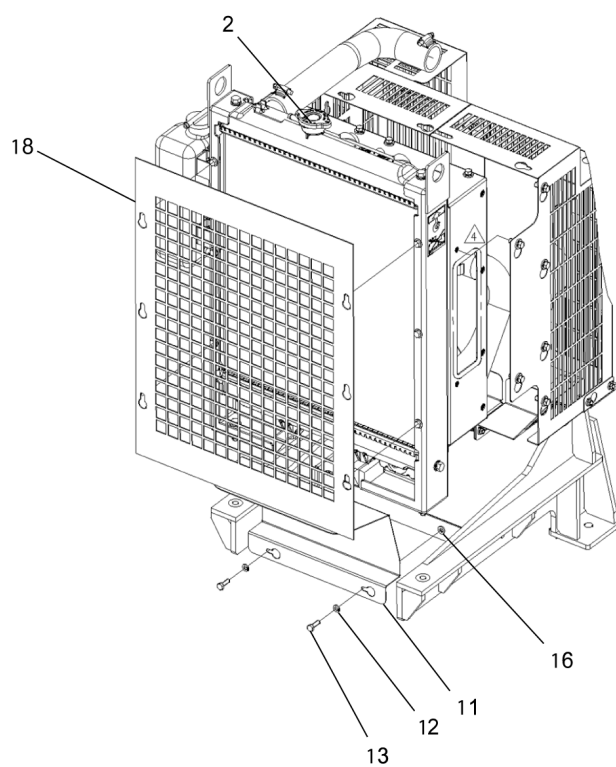
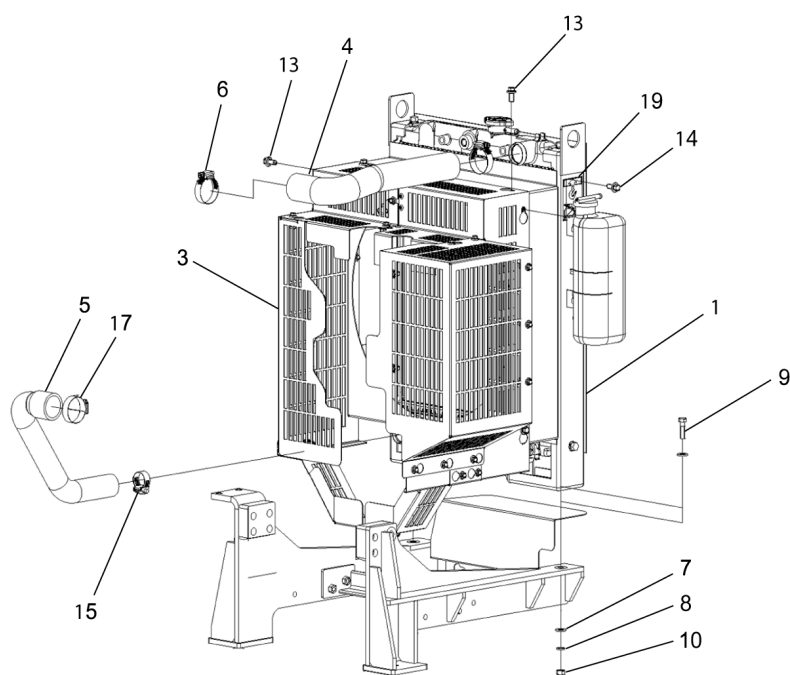
AIR CLEANER INSTALLATION (G20/24)



AIR CLEANER INSTALLATION (G20/24)

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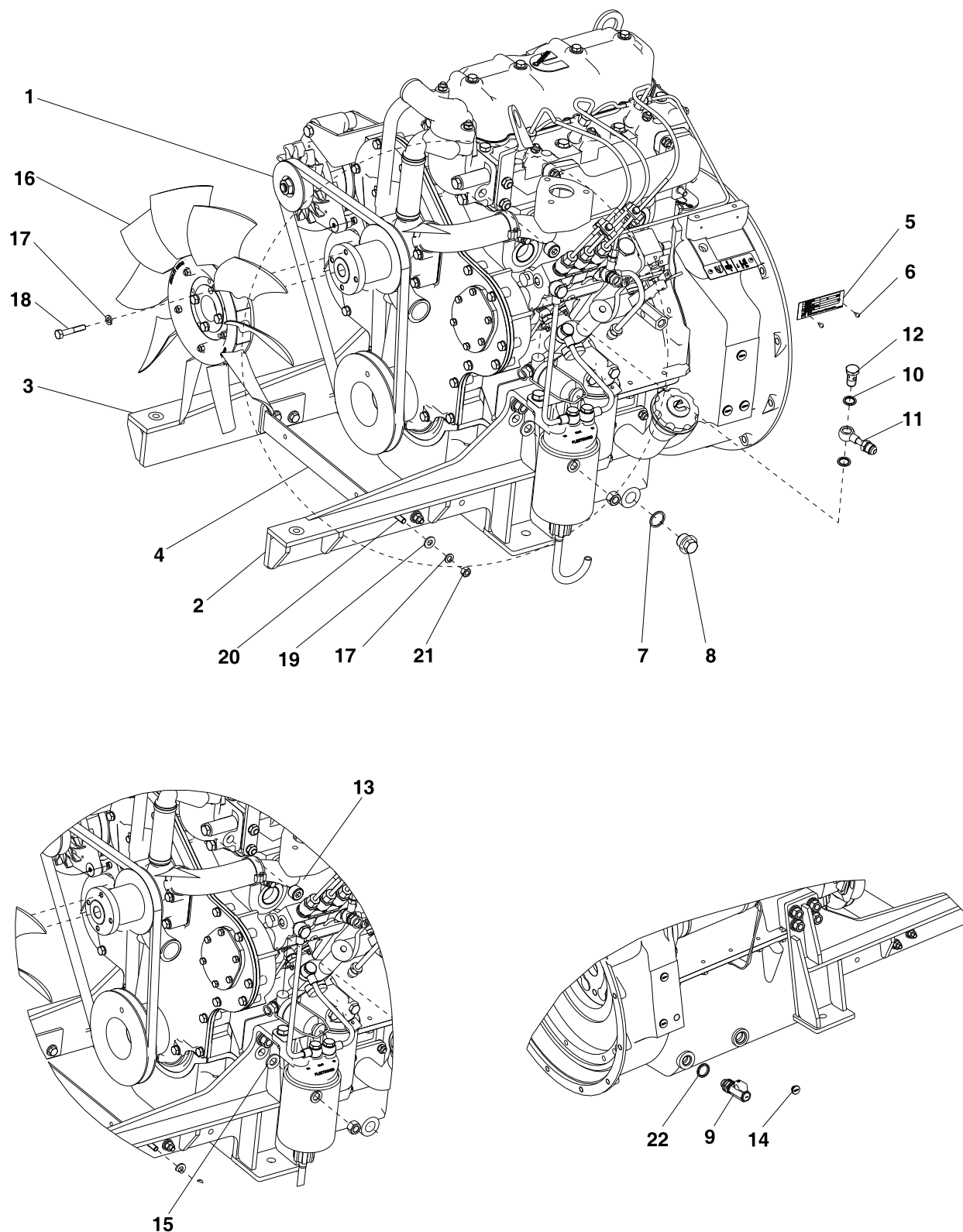
COOLING SYSTEM (G20/24)



COOLING SYSTEM (G20/24)	
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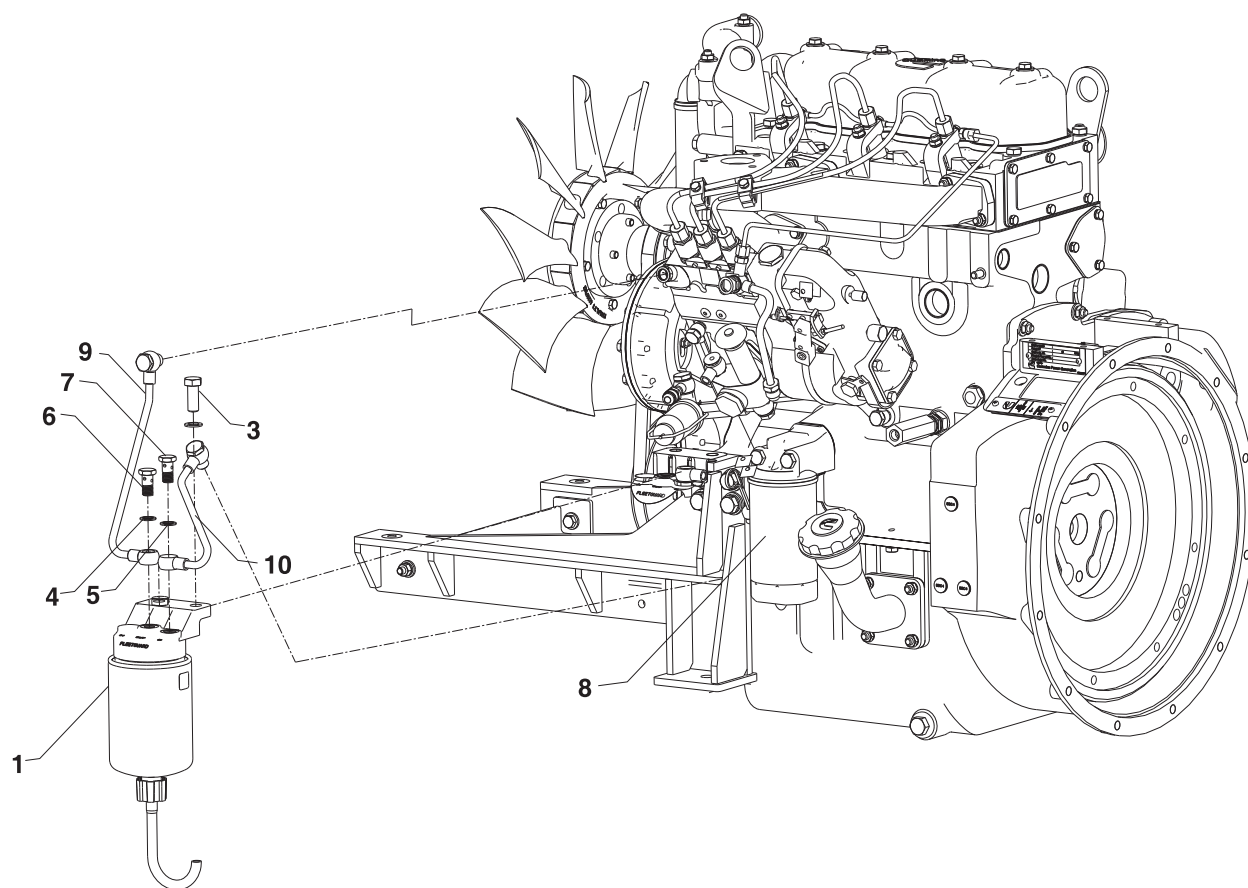
ENGINE INSTALLATION (G20/24)



ENGINE INSTALLATION (G20/24)

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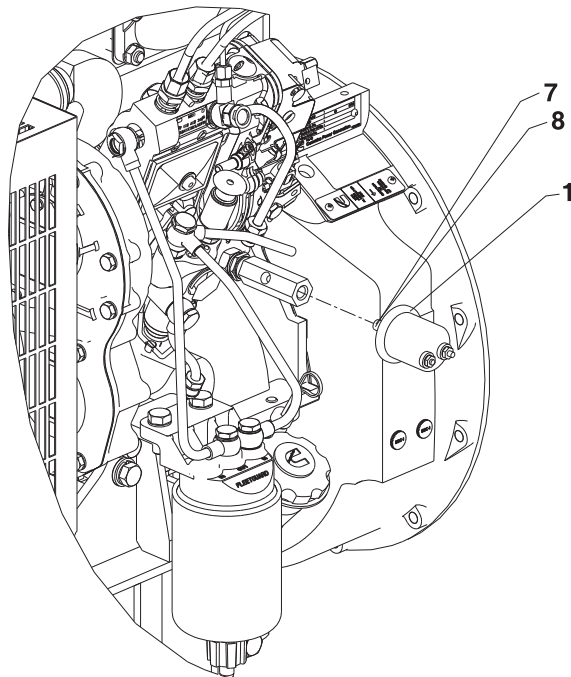
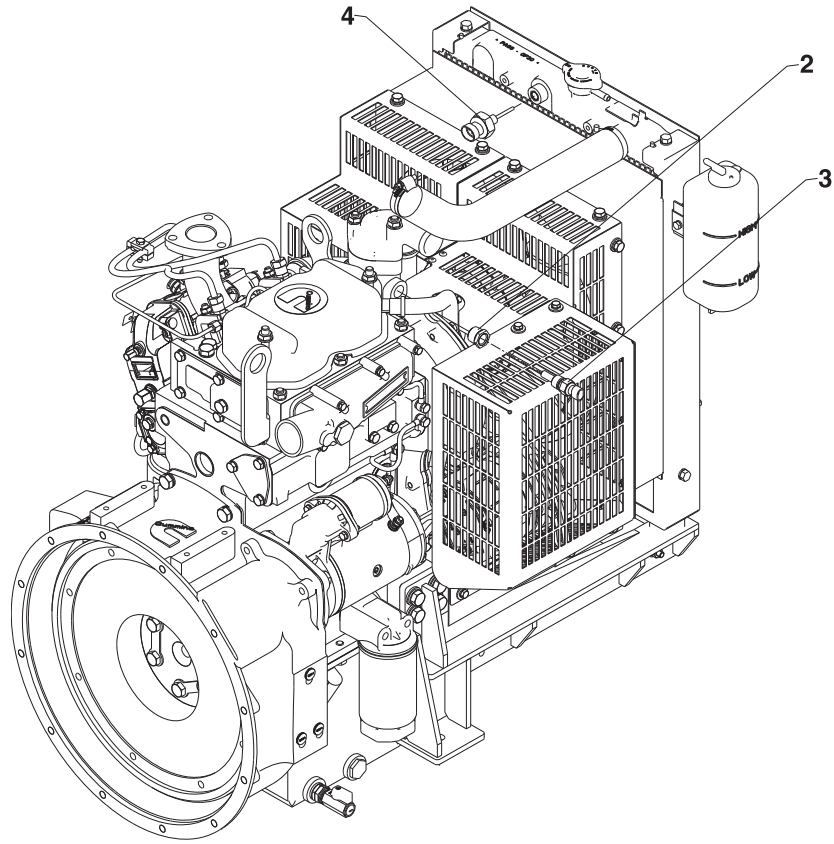
FUEL SYSTEM (G20/24)



FUEL SYSTEM (G20/24)	
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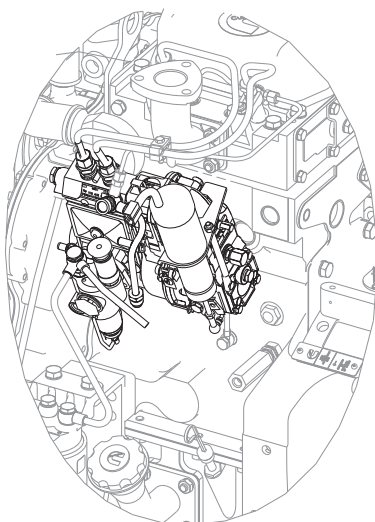
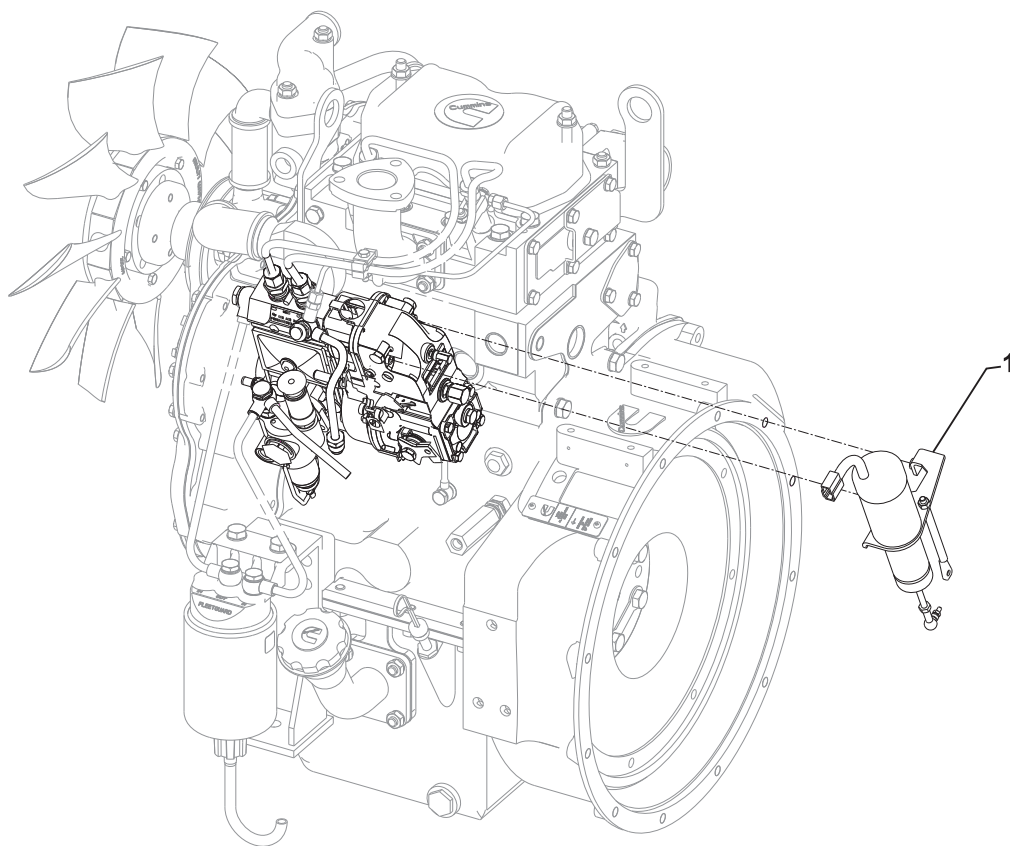
SENSOR INSTALLATION (G20/24)



SENSOR INSTALLATION (G20/24)

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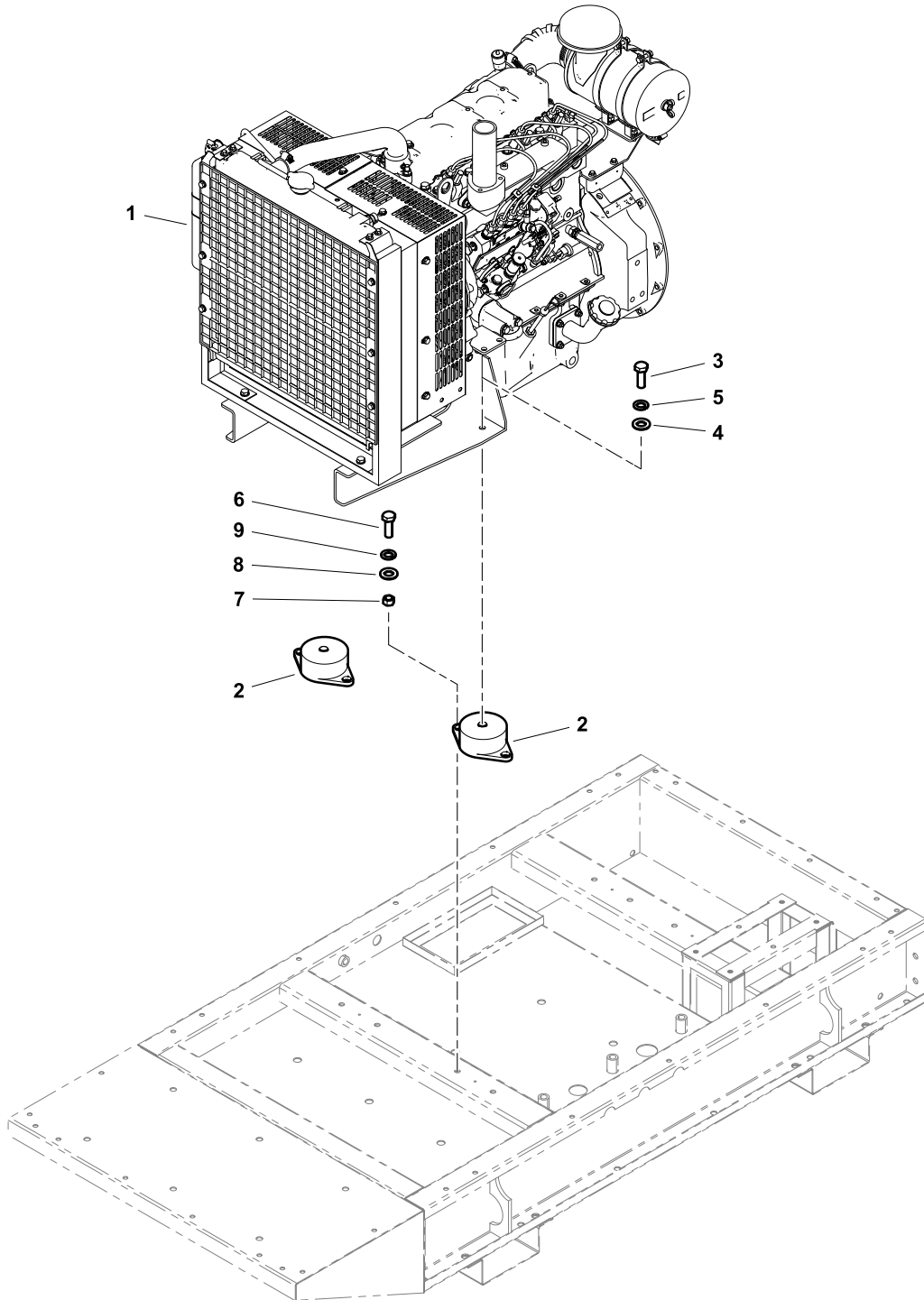
SOLENOID INSTALLATION (G20/24)



SOLENOID INSTALLATION (G20/24)

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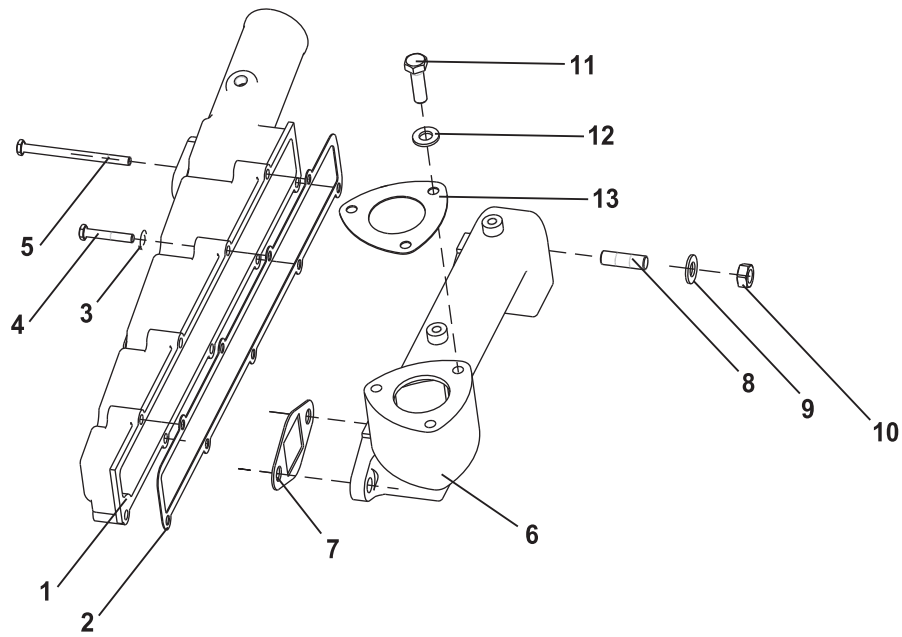
ENGINE ASSEMBLY (G30/36)



ENGINE ASSEMBLY (G30/36)

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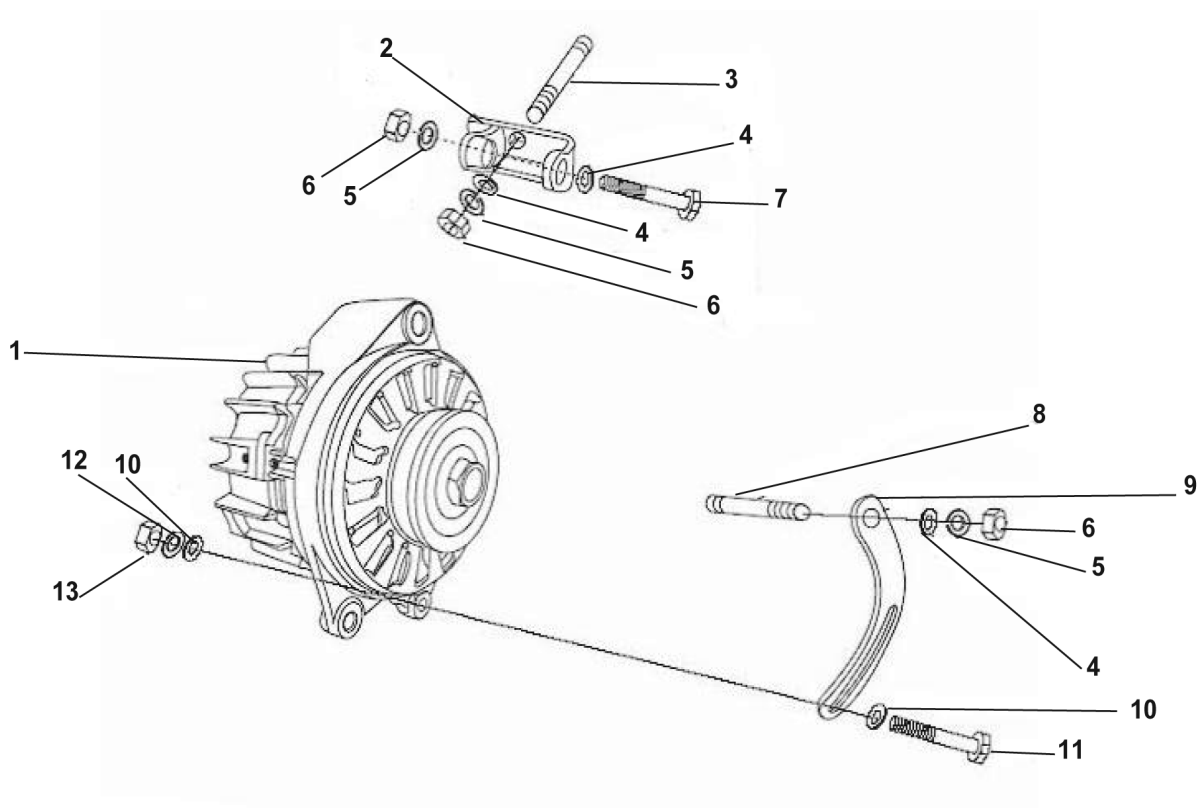
AIR INDUCTION & EXHAUST SYSTEM (G30/36)



AIR INDUCTION & EXHAUST SYSTEM (G30/36)

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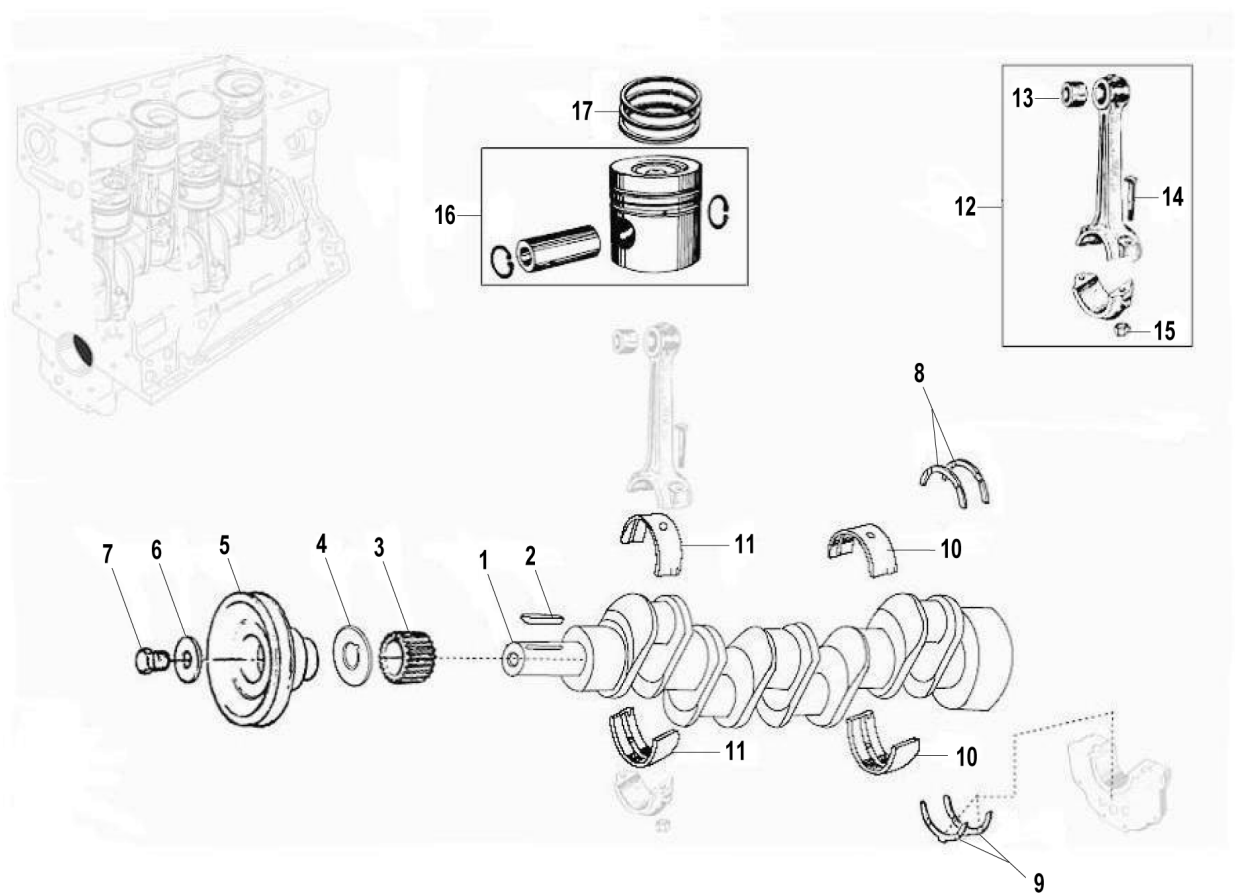
ALTERNATOR AND SUPPORT (G30/36)



ALTERNATOR AND SUPPORT (G30/36)	
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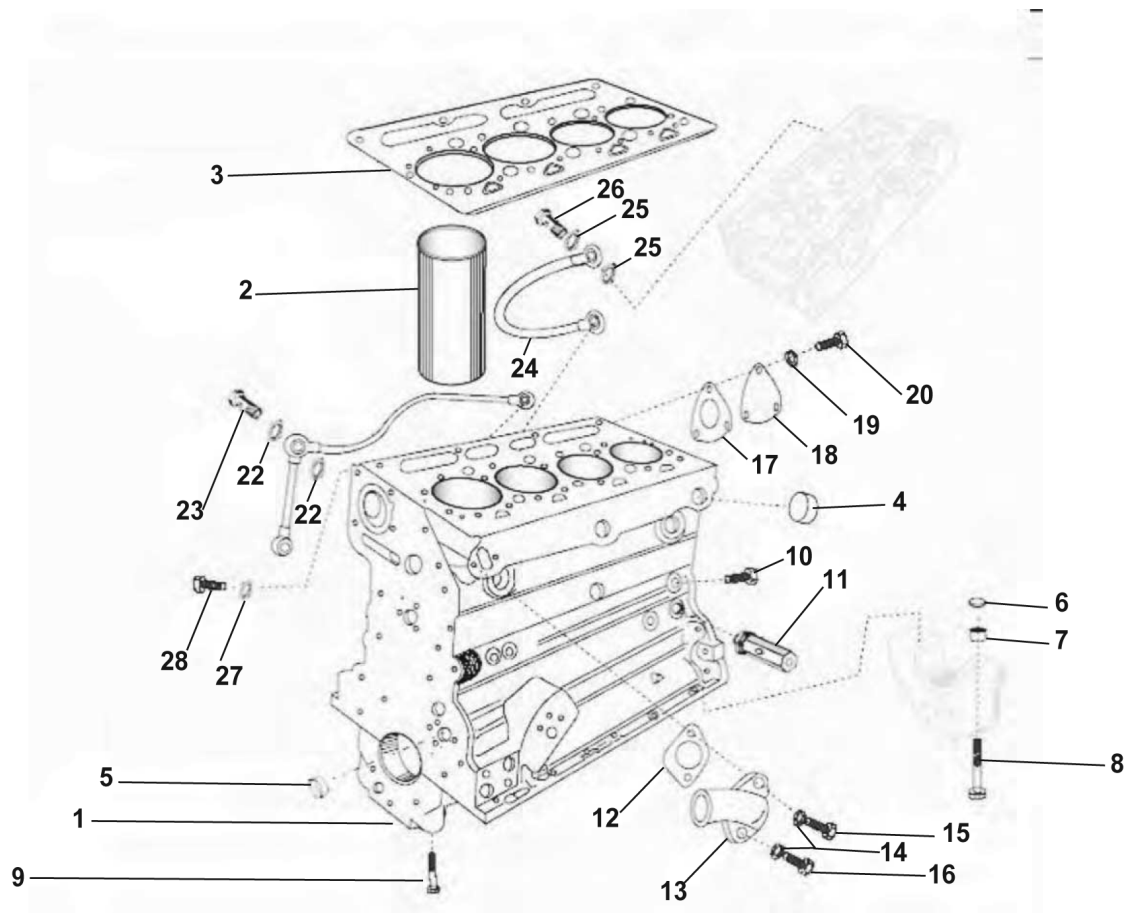
CRANK SHAFT ASSEMBLY (G30/36)



CRANK SHAFT ASSEMBLY (G30/36)

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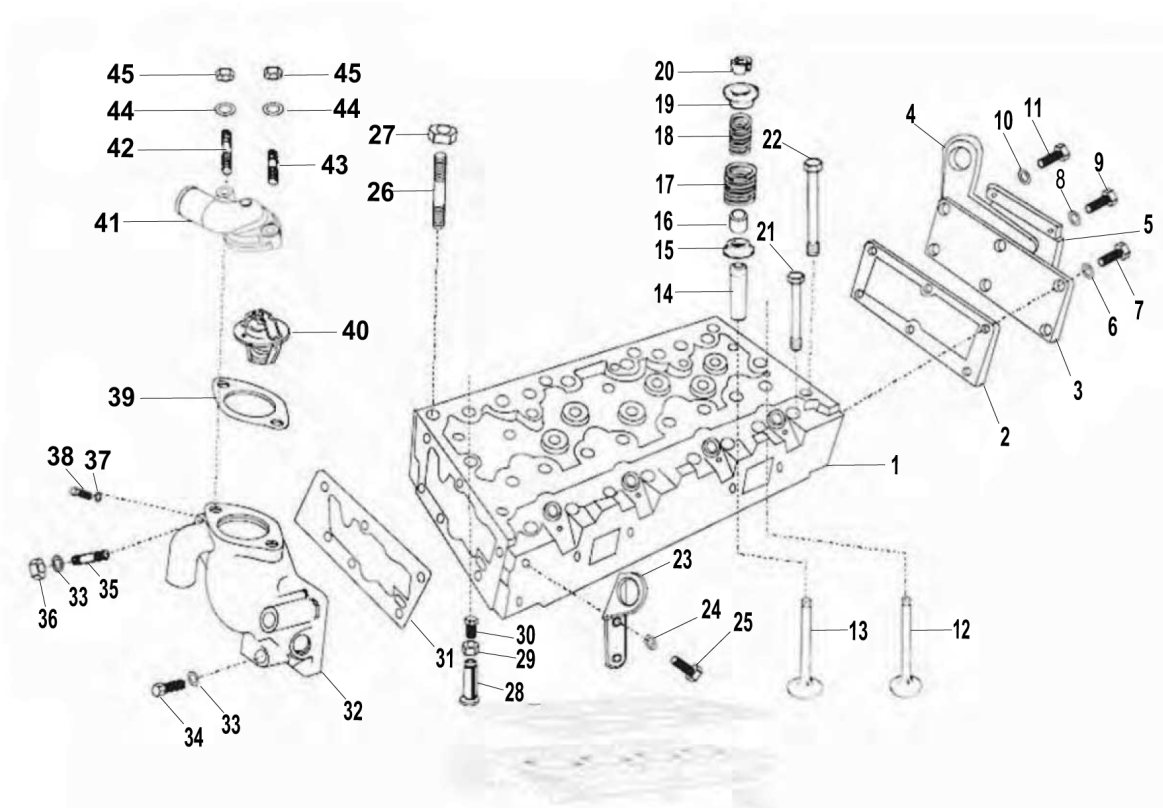
CYLINDER BLOCK **(G30/36)**



CYLINDER BLOCK (G30/36)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46716756	CYLINDER BLOCK ASSEMBLY			1
2	46717144	LINER CYLINDER BLOCK			4
3	46705470	GASKET CYLINDER HD			1
4	46722690	PLUG			10
5	46722687	PLUG			2
6	46716482	'O' RING-REAR			2
7	46739466	SLEEVE TUBE			10
8	46722748	SETSCREW			2
9	46722753	SETSCREW			8
10	46739467	PLUG DRAIN			1
11	46716532	ADAPTOR SENSOR			1
12	46705626	JOINT CYLINDER BLOCK WATER INLET CONNECTION			1
13	46722645	CONNECTION CYLINDER BLOCK WATER INLET			1
14	46722824	WASHER COPPER			2
15	46722758	SETSCREW			1
16	46703620	SCREW			1
17	46703620	JOINT TACHOMETER BLANKING PLATE			1
18	TBD	PLATE MOUNTING			1
19	46703632	SPRING WASHER			3
20	46722758	SETSCREW			3
21	46714066	PIPE ASSEMBLY			1
22	46722816	WASHER BANJO BOLT			4
23	46716744	BOLT BANJO			2
24	46714067	PIPE ASSEMBLY			1
25	46739468	WASHER SEALING			8
26	46716757	BOLT BANJO			4
27	46705504	WASHER PLAIN			2
28	46722757	SETSCREW			2

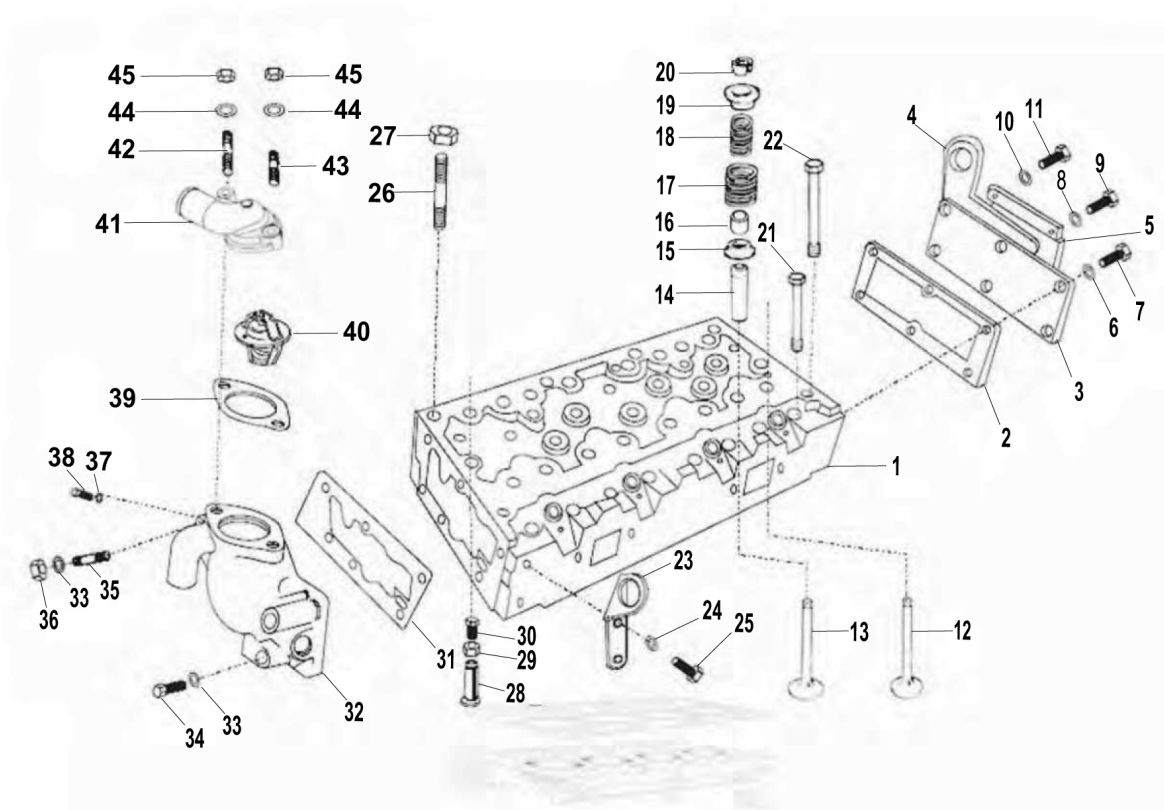
CYLINDER HEAD **(G30/36)**



CYLINDER HEAD (G30/36)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46717051	HEAD CYLINDER	w/Ref. 1-38		1
2	46703603	JOINT CYLINDER			1
3	46722685	PLATE CYLINDER			1
4	46713988	PLATE ENGINE			1
5	46713990	BRACKET ENGINE			1
6	46703632	SPRING WASHER			2
7	46722757	SETSCREW			2
8	46705661	WASHER SPRING			1
9	46714016	SETSCREW ENGINE			1
10	46703632	SPRING WASHER			4
11	46722758	SETSCREW			4
12	46722802	VALVE INLET			4
13	46722795	VALVE EXHAUST			4
14	46717047	GUIDE VALVE			8
15	46722821	WASHER-INLET & EXHAUST VALVE SPRING			8
16	46722729	SEAL INLET			8
17	46722720	SEAL INLET			8
18	46722727	SEAL INLET			8
19	46716788	CAP VALVE SPRING			8
20	46716818	CUTTER VALVE SPRING			8
21	46722763	SETSCREW			8
22	46722759	SETSCREW			11
23	46713989	PLATE ENGINE			1
24	46705661	WASHER SPRING			2
25	46714017	SETSCREW ENGINE FRONT LIFTING PLATE			2
26	46722782	STUD CYLINDER			4
27	46722664	NUT CONNECTING			4
28	46722788	TAPPET			8
29	46717154	LOCKNUT			8
30	NAP	SCREW-HEX HD			8
31	46705466	JOINT WATER OUTLET BODY			1

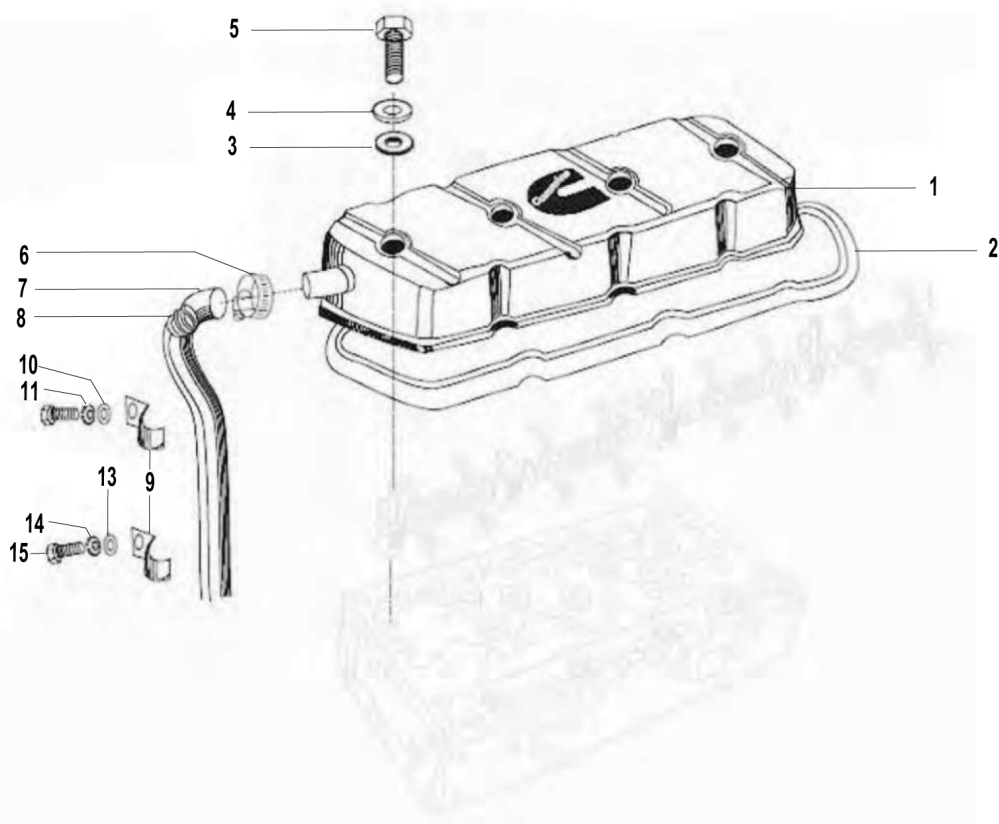
CYLINDER HEAD (G30/36)



CYLINDER HEAD (G30/36)	
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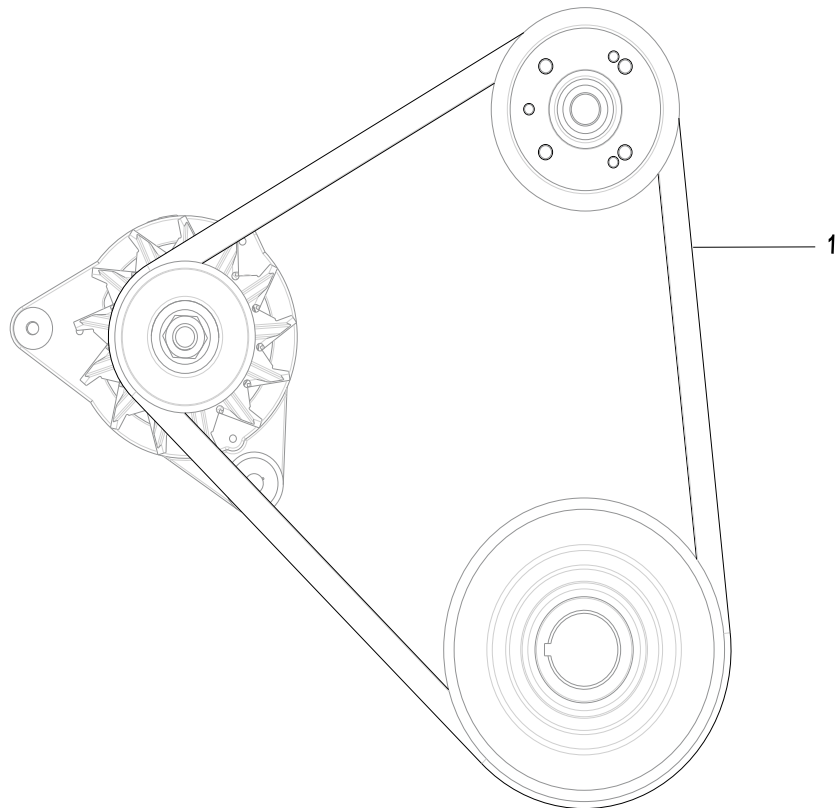
CYLINDER HEAD COVER (G30/36)



CYLINDER HEAD COVER (G30/36)	
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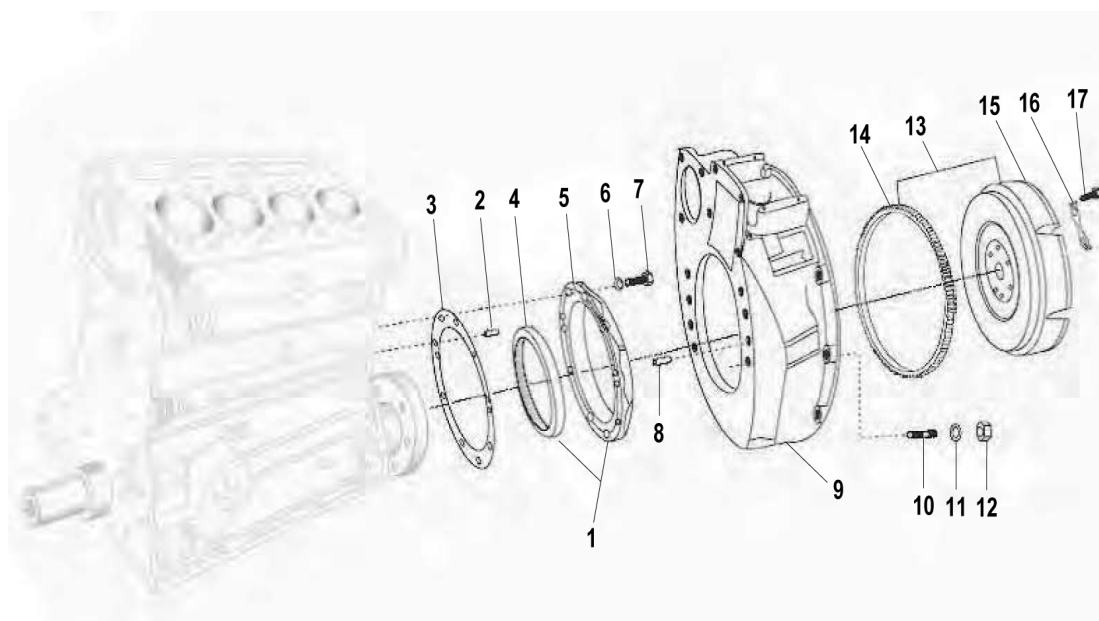
**FAN AND FAN DRIVE
(G30/36)**



**FAN AND FAN DRIVE
(G30/36)**

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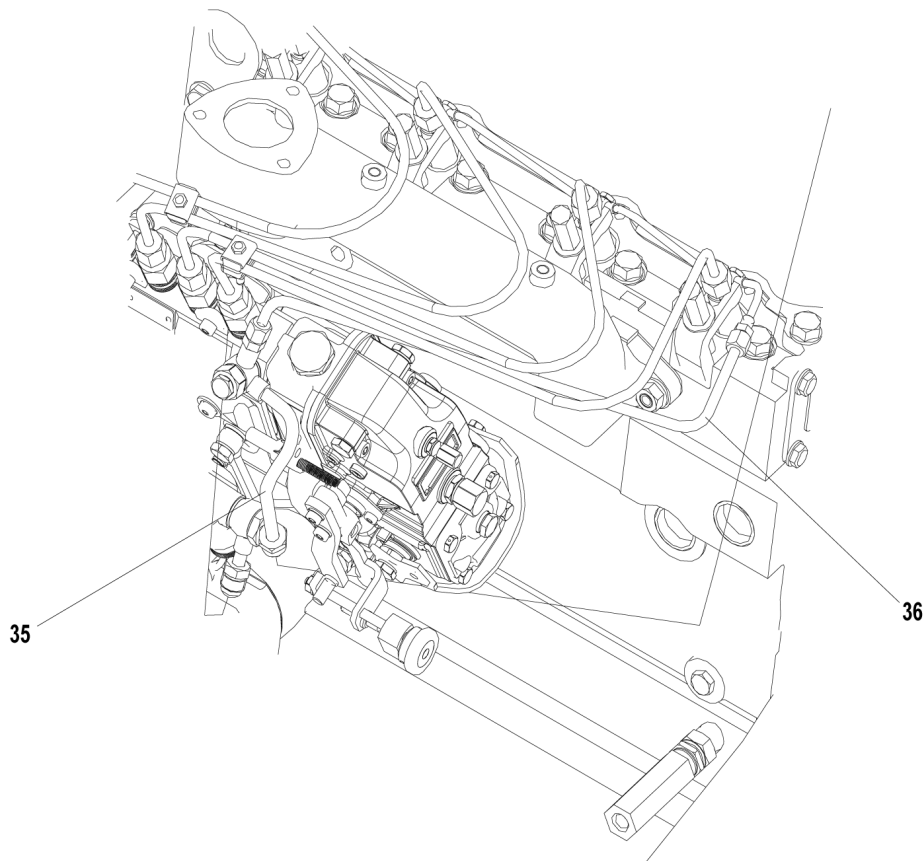
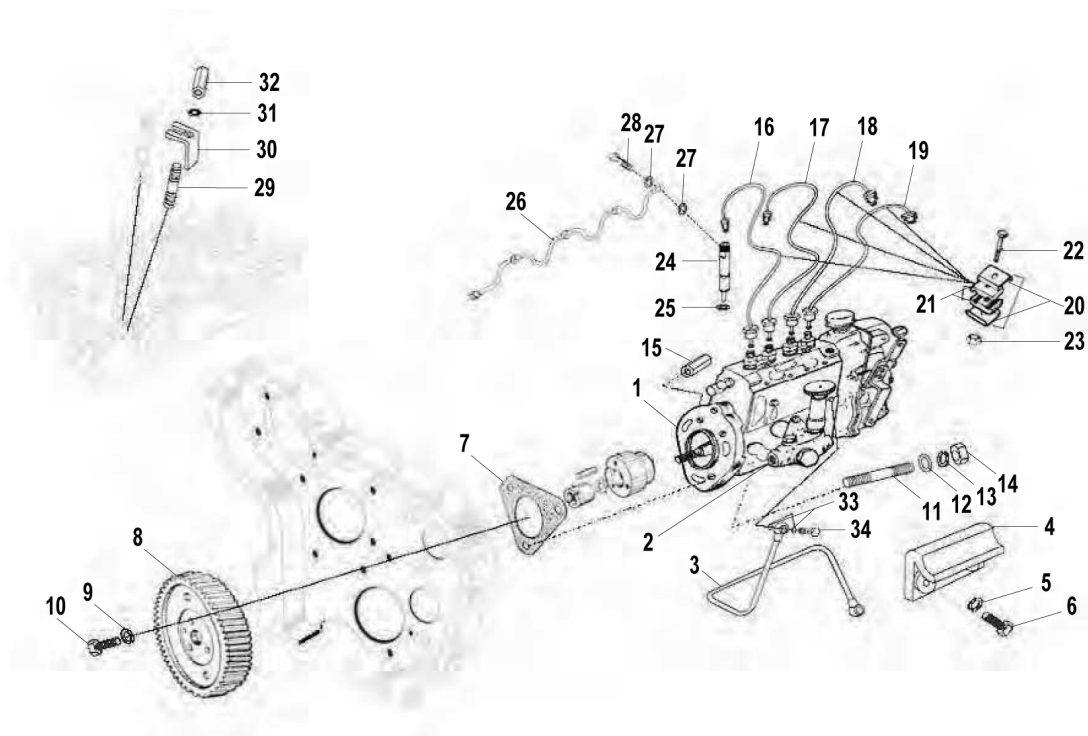
FLYWHEEL, FLYWHEEL HSG. AND REAR END OIL SEAL (G30/36)



**FLYWHEEL, FLYWHEEL HSG. AND REAR END OIL SEAL
(G30/36)**

[illegible]

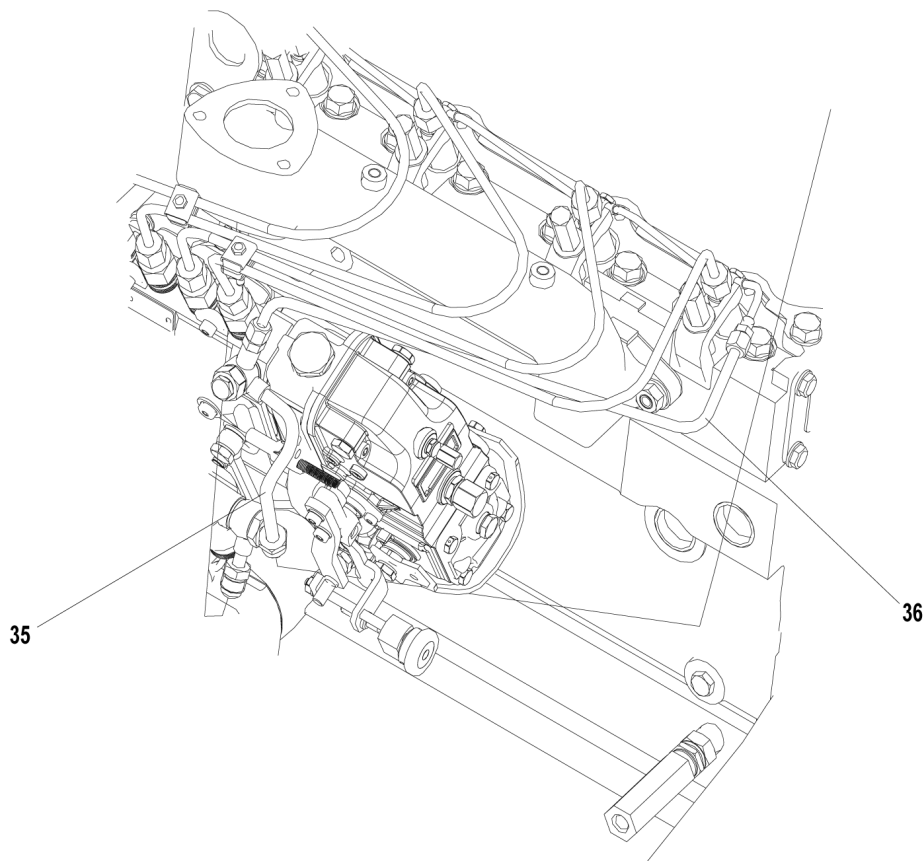
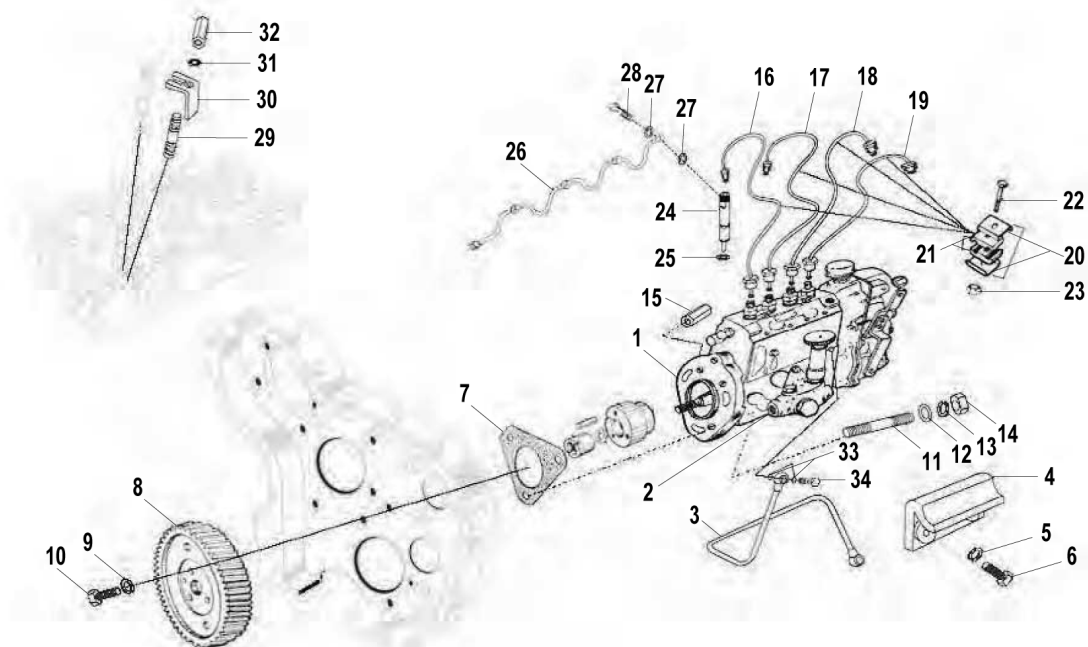
FUEL INJECTION EQUIPMENT (G30/36)



FUEL INJECTION EQUIPMENT (G30/36)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46709349	FUEL INJECTION PUMP	G30		1
1	46717020	FUEL INJECTION PUMP	G36		1
2	46705479	FEED PUMP			1
3	46717145	LINE FUEL			1
4	46716779	BRACKET			1
5	46705661	WASHER SPRING			2
6	46709476	SETSCREW			2
7	46705622	JOINT FUEL PUMP			1
8	46717044	GEAR FUEL PUMP DRIVE			1
9	46703632	SPRING WASHER			3
10	46714015	BANJO BOLT			3
11	46703631	STUD			3
12	46705504	WASHER PLAIN			3
13	46703632	SPRING WASHER			3
14	46703633	NUT			2
15	46722662	NUT			1
16	46713872	PIPE FUEL			1
17	46713873	PIPE FUEL			1
18	46713874	PIPE FUEL			1
19	46713875	PIPE FUEL			1
20	46716880	PLATE			6
21	46716882	DAMPER			6
22	46722719	SCREW			3
23	46722666	NUT			3
24	46705621	NOZZLE INJECTOR			4
25	46705642	WASHER-NOZZLE SEATING			4
26	46713871	LINE FUEL			1
27	46722818	WASHER			8
28	46716757	BOLT BANJO			4
29	46739469	STUD			4
30	46716776	BRACKET			4

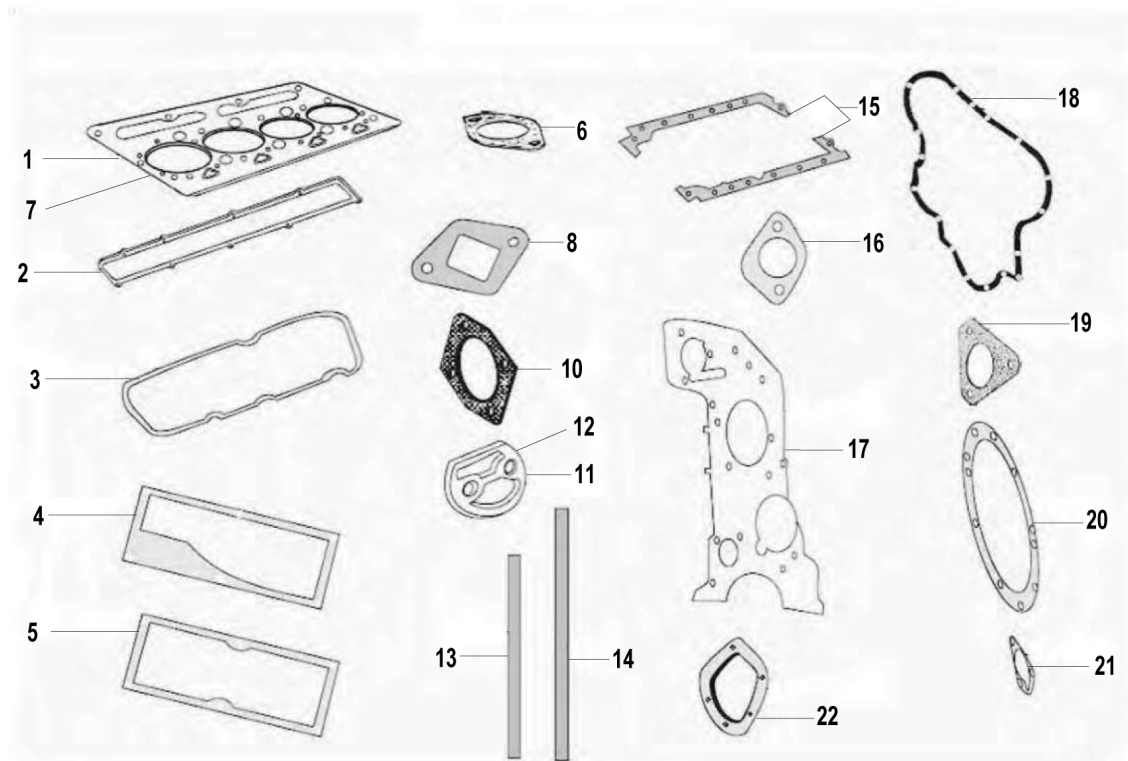
FUEL INJECTION EQUIPMENT (G30/36)



FUEL INJECTION EQUIPMENT (G30/36)	
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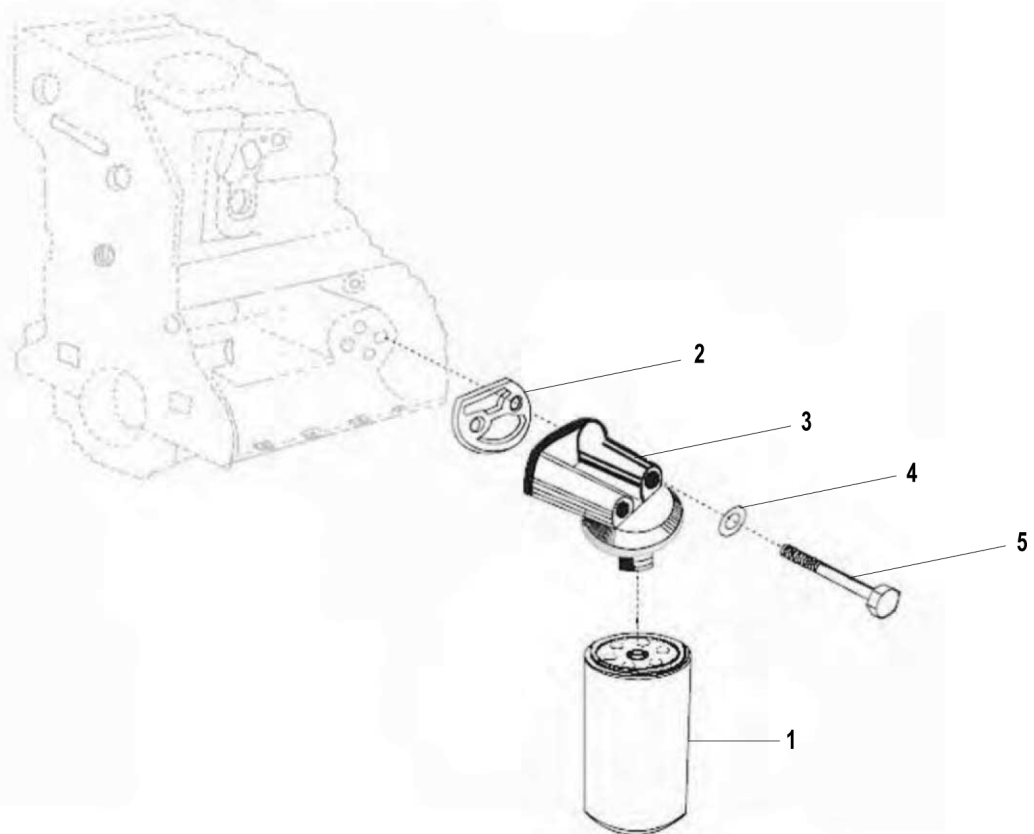
JOINTS AND GASKETS (G30/36)



JOINTS AND GASKETS (G30/36)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46703602	GASKET CYLINDER HEAD			1
2	46703599	JOINT INDUCTION MANIFOLD			1
3	46703600	JOINT CYLINDER HEAD COVER			1
4	46703601	JOINT WATER OUTLET BODY			1
5	46705467	GASKET CYLINDER HEAD			1
6	46703603	GASKET EXHAUST			1
7	46705469	GASKET CYLINDER HEAD			1
8	46703605	GASKET EXHAUST			1
9	46705628	GASKET EXHAUST			2
10	46705619	GASKET WATER PUMP			1
11	46705604	GASKET OIL FILTER			1
12	46703609	JOINT LUB OIL FILLER			1
13	46703610	JOINT SUMP			1
14	46703611	JOINT SUMP			1
15	46705598	GASKET CRANKCASE			1
16	46703613	JOINT CYLINDER BLOCK			1
17	46703617	JOINT TIMING CASE			1
18	46703618	JOINT FRONT COVER			1
19	46703602	JOINT FUEL PUMP			1
20	46705468	GASKET CYLINDER HEAD			1
21	46703620	JOINT TACHOMETER BLANKING PLATE			1
22	46705484	GASKET COVER			1
#	46717032	GASKET KIT MINOR	w/Ref. 1-9		1
#	46705583	GASKET KIT MAJOR	w/Ref. 1-22		1

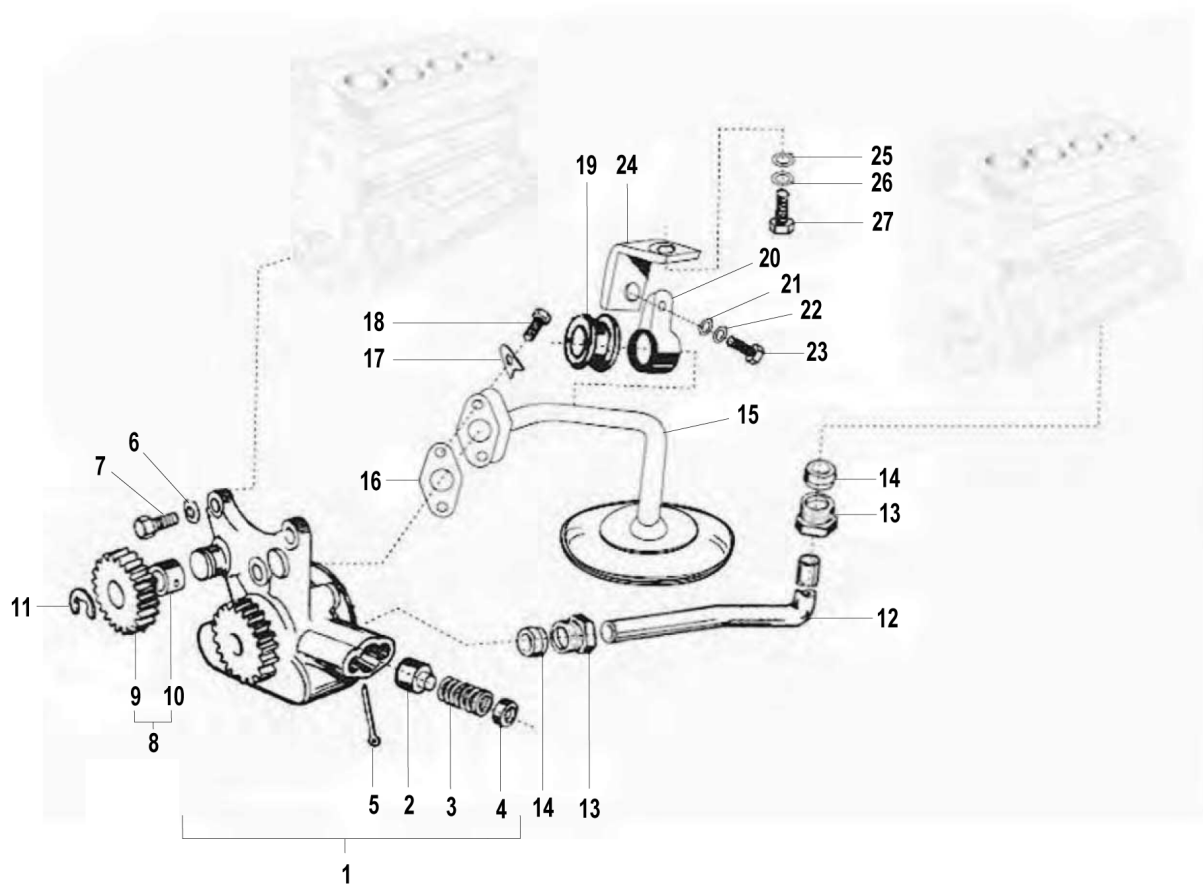
**LUBRICATING OIL FILTER
(G30/36)**



**LUBRICATING OIL FILTER
(G30/36)**

[illegible]

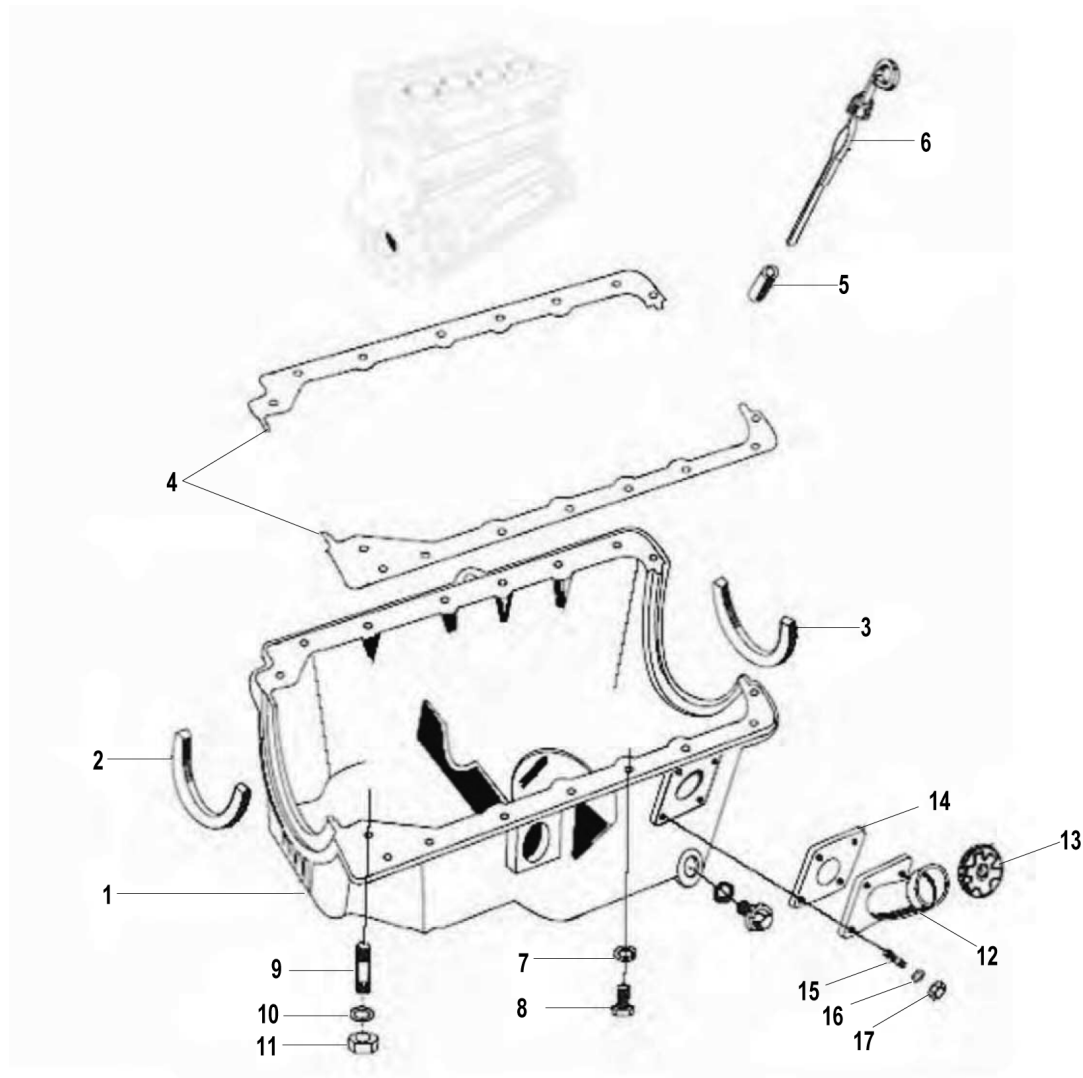
LUBRICATING OIL PUMP (G30/36)



LUBRICATING OIL PUMP (G30/36)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46739471	PUMP OIL	w/Ref. 2-5		1
2	NAP	PLUNGER INTERLOCK			1
3	NAP	SPRING VALVE			1
4	NAP	RETAINER SPRING			1
5	NAP	PIN SPRING			1
6	46703632	SPRING WASHER			3
7	46722747	SETSCREW			3
8	46717041	GEAR ASSEMBLY	w/Ref. 9, 10		1
9	NAP	GEAR SPUR			1
10	46716783	BUSHING IDLER			1
11	46716799	CIRCLIP			1
12	46714070	PIPE			1
13	46717043	GLAND NUT			2
14	46722668	OLIVE			2
15	46716987	PIPE			1
16	46717031	JOINT LUB OIL			1
17	46714082	WASHER TAB			2
18	46722749	SETSCREW			2
19	46716782	BUSHING			1
20	46716798	CLIP TUBE			1
21	46722829	WASHER SETSCREW			1
22	46722828	WASHER SPRING			1
23	46722754	SETSCREW			1
24	46713994	PLATE SUPPORT			1
25	46716475	WASHER SEALING			1
26	46722828	WASHER SPRING			1
27	46722754	SETSCREW			1

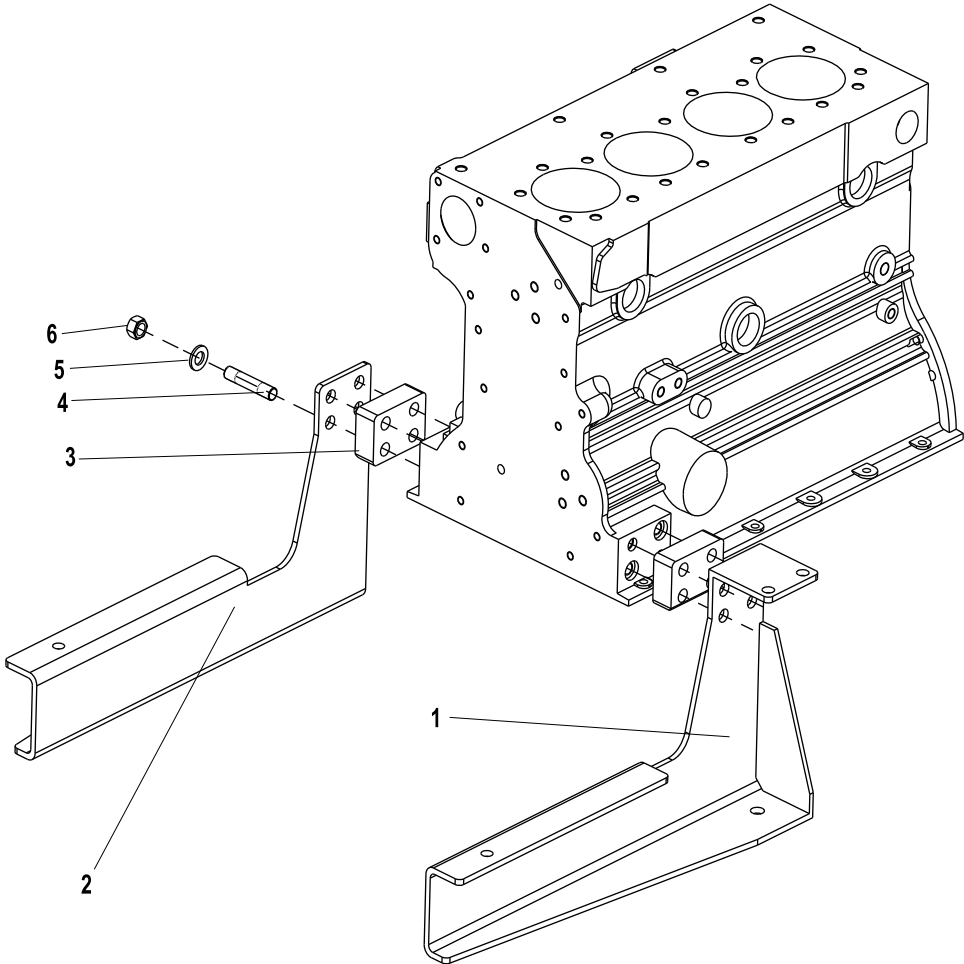
LUBRICATING OIL SUMP **(G30/36)**



**LUBRICATING OIL SUMP
(G30/36)**

[illegible]

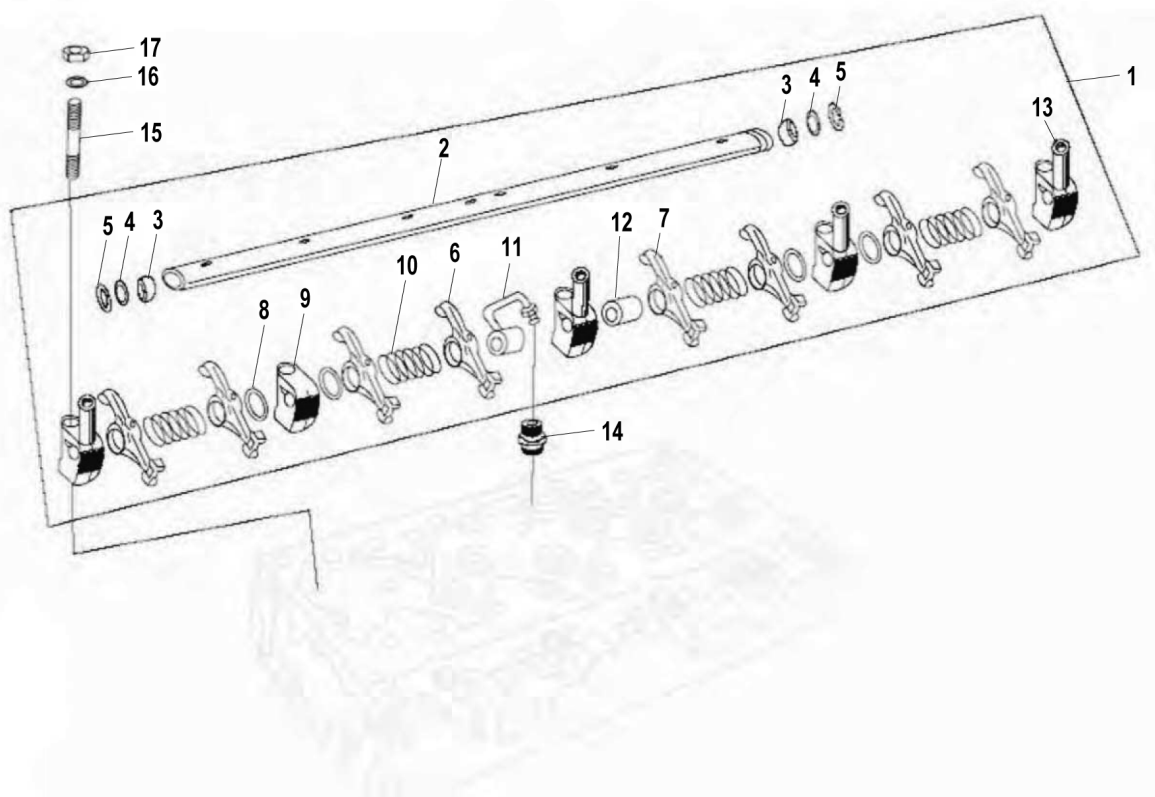
**MOUNTING ENGINE SUPPORT
(G30/36)**



MOUNTING ENGINE SUPPORT (G30/36)

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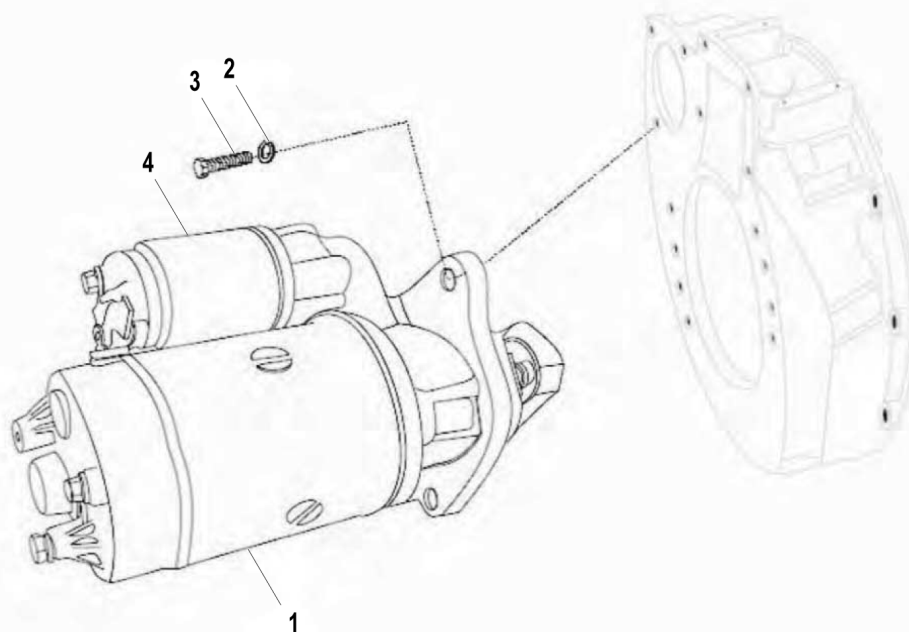
ROCKER SHAFT ASSEMBLY (G30/36)



**ROCKER SHAFT ASSEMBLY
(G30/36)**

[illegible]

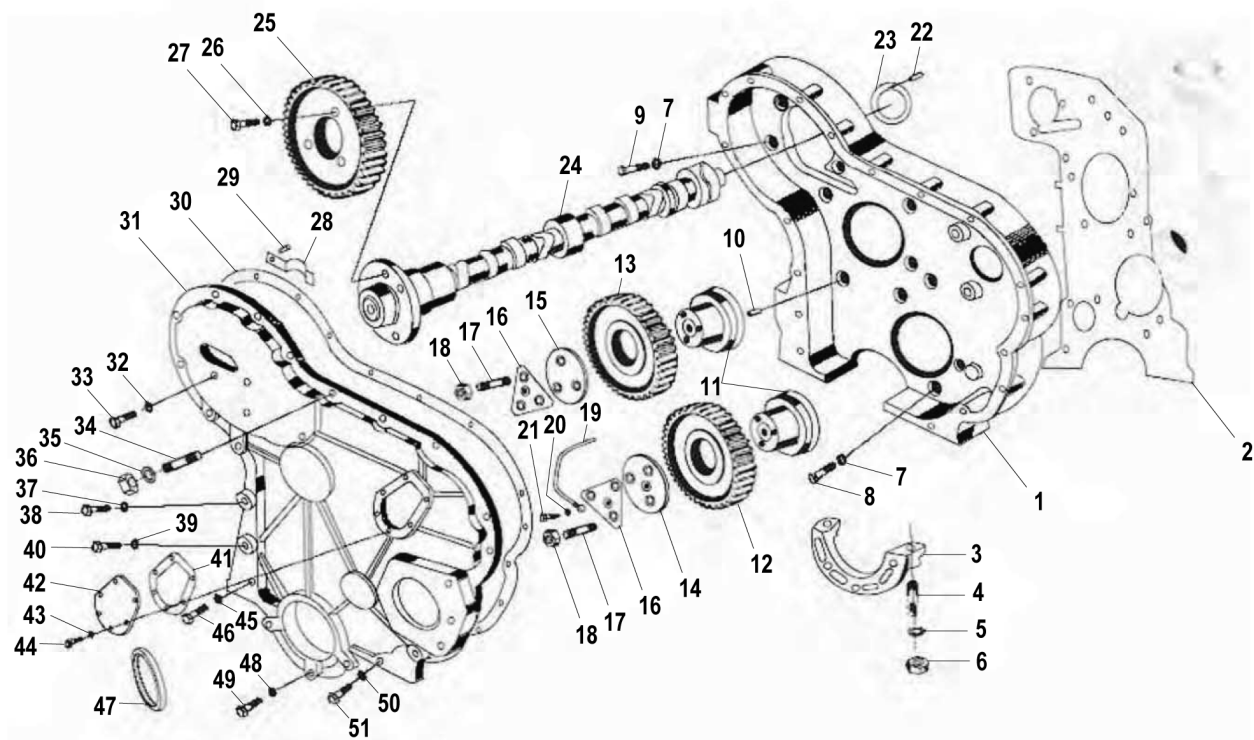
STARTER MOTOR (G30/36)



STARTER MOTOR (G30/36)

[illegible]

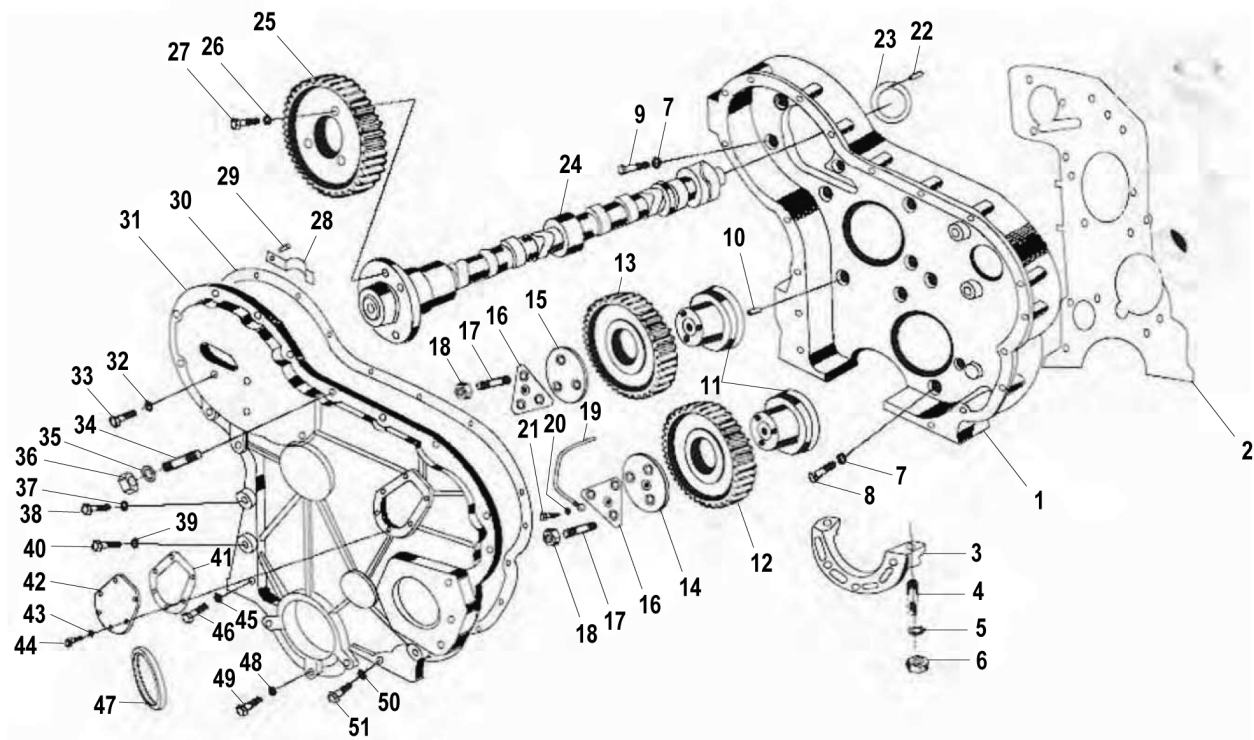
TIMING GEAR & CAMSHAFT (G30/36)



TIMING GEAR & CAMSHAFT (G30/36)

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46717039	GEARCASE			1
2	46705489	JOINT TIMING CASE			1
3	46716623	COVER			1
4	46714039	STUD			2
5	46703632	SPRING WASHER			2
6	46703633	NUT			2
7	46703632	SPRING WASHER			14
8	46722749	SETSCREW			10
9	46722747	SETSCREW			4
10	46716886	DOWEL			2
11	46717106	HUB IDLER			2
12	46709616	GEAR IDLER LOWER			1
13	46709618	GEAR IDLER UPPER			1
14	46713987	PLATE IDLER			1
15	46713986	PLATE IDLER			1
16	46714083	WASHER			2
17	46714035	STUD			6
18	46705667	NUT			6
19	46714068	TUBE OIL			1
20	46722818	WASHER			2
21	46714015	BANJO BOLT			1
22	46722674	PIN THRUST			1
23	46722822	WASHER			1
24	46709487	CAMSHAFT			1
25	46709619	GEAR CAMSHAFT			1
26	46703632	SPRING WASHER			3
27	46722758	SETSCREW			3
28	46716773	BRACKET TUBE			1
29	46739477	RIVET			1
30	46705599	JOINT FRONT COVER			1
31	46716634	COVER, GEARCASE			1

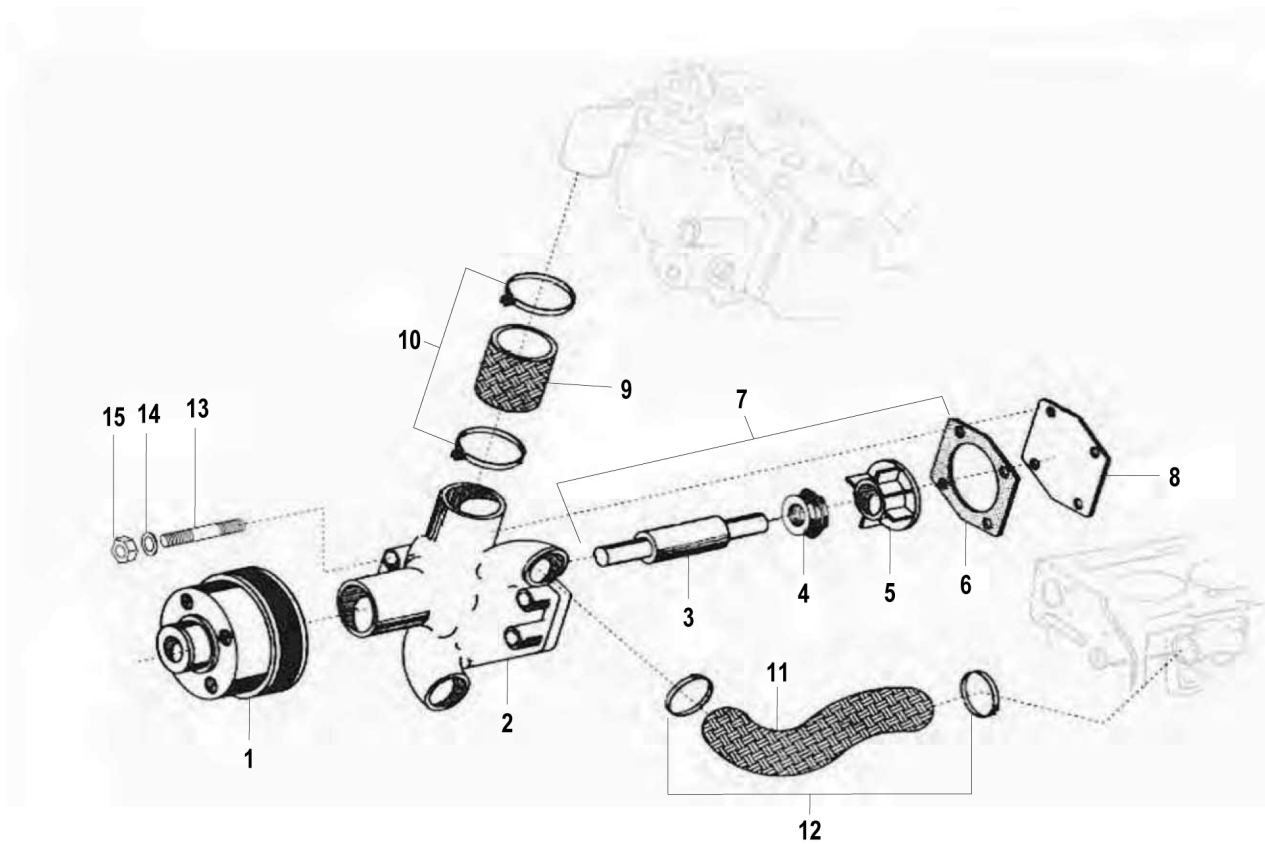
TIMING GEAR & CAMSHAFT (G30/36)



TIMING GEAR & CAMSHAFT (G30/36)	
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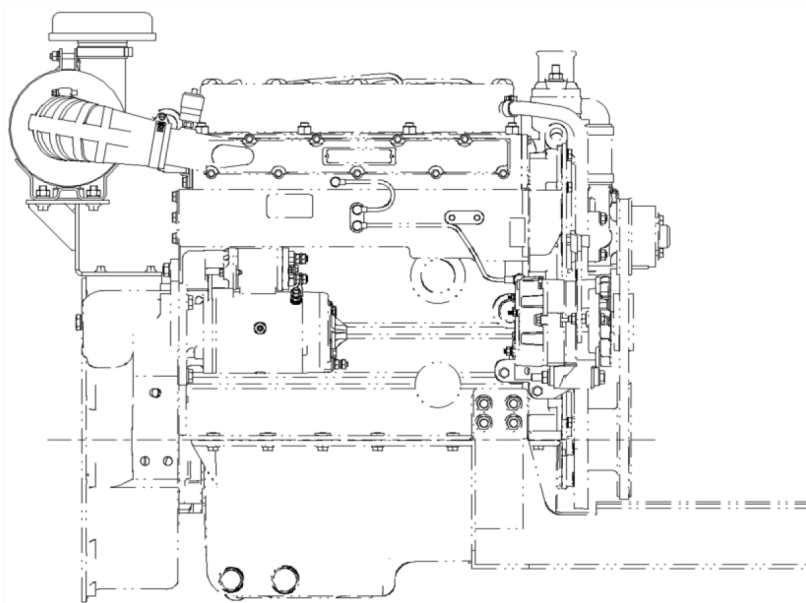
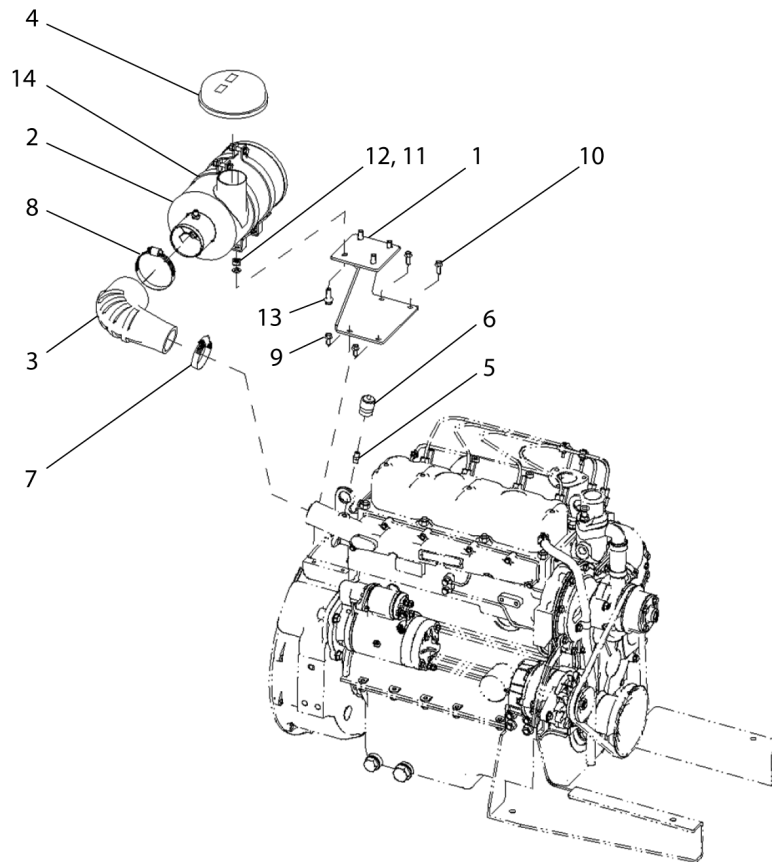
**WATER PUMP ASSEMBLY
(G30/36)**



WATER PUMP ASSEMBLY
(G30/36)

[illegible]

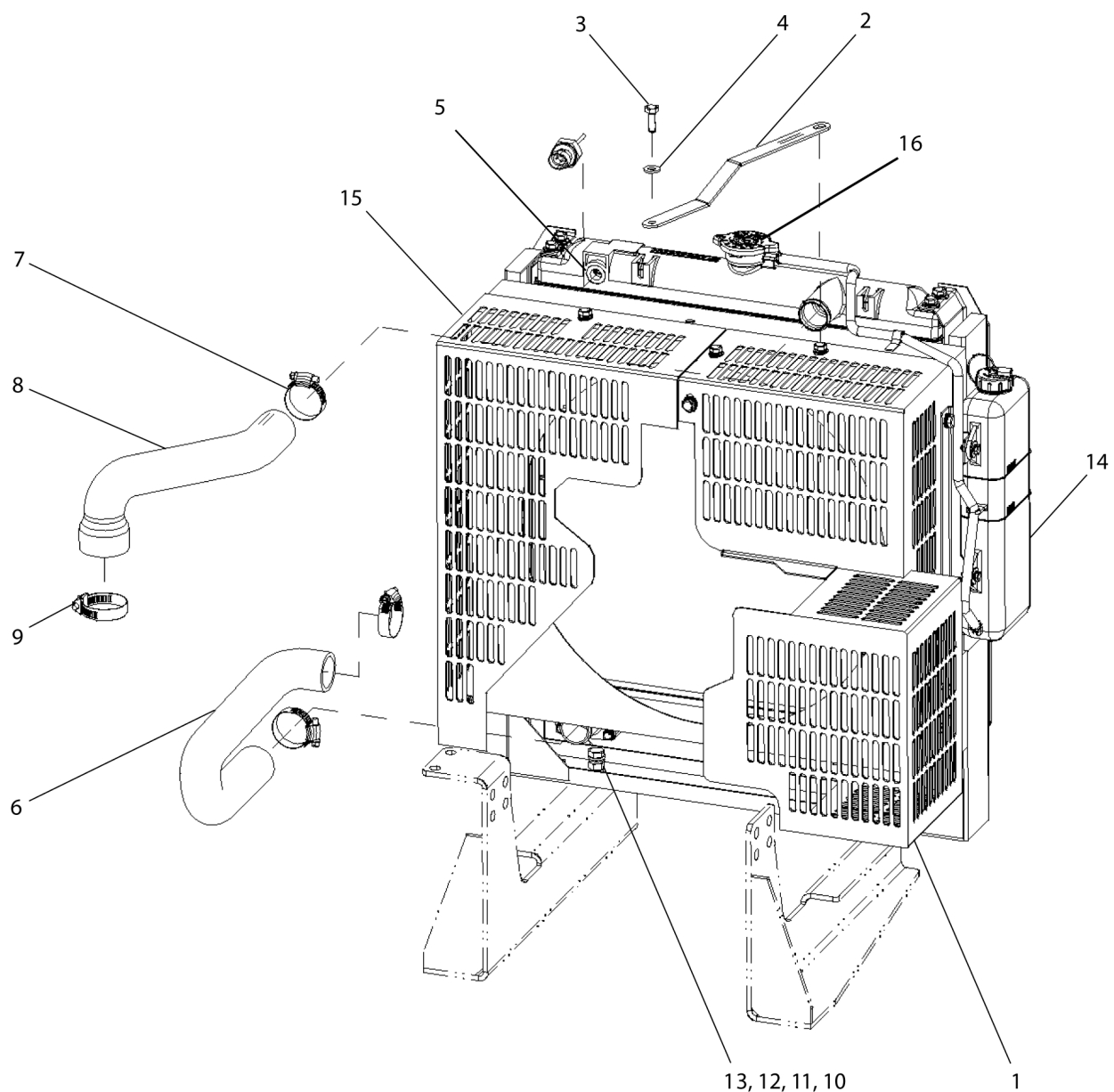
AIR CLEANER INSTALLATION (G30/36)



AIR CLEANER INSTALLATION (G30/36)

[illegible]

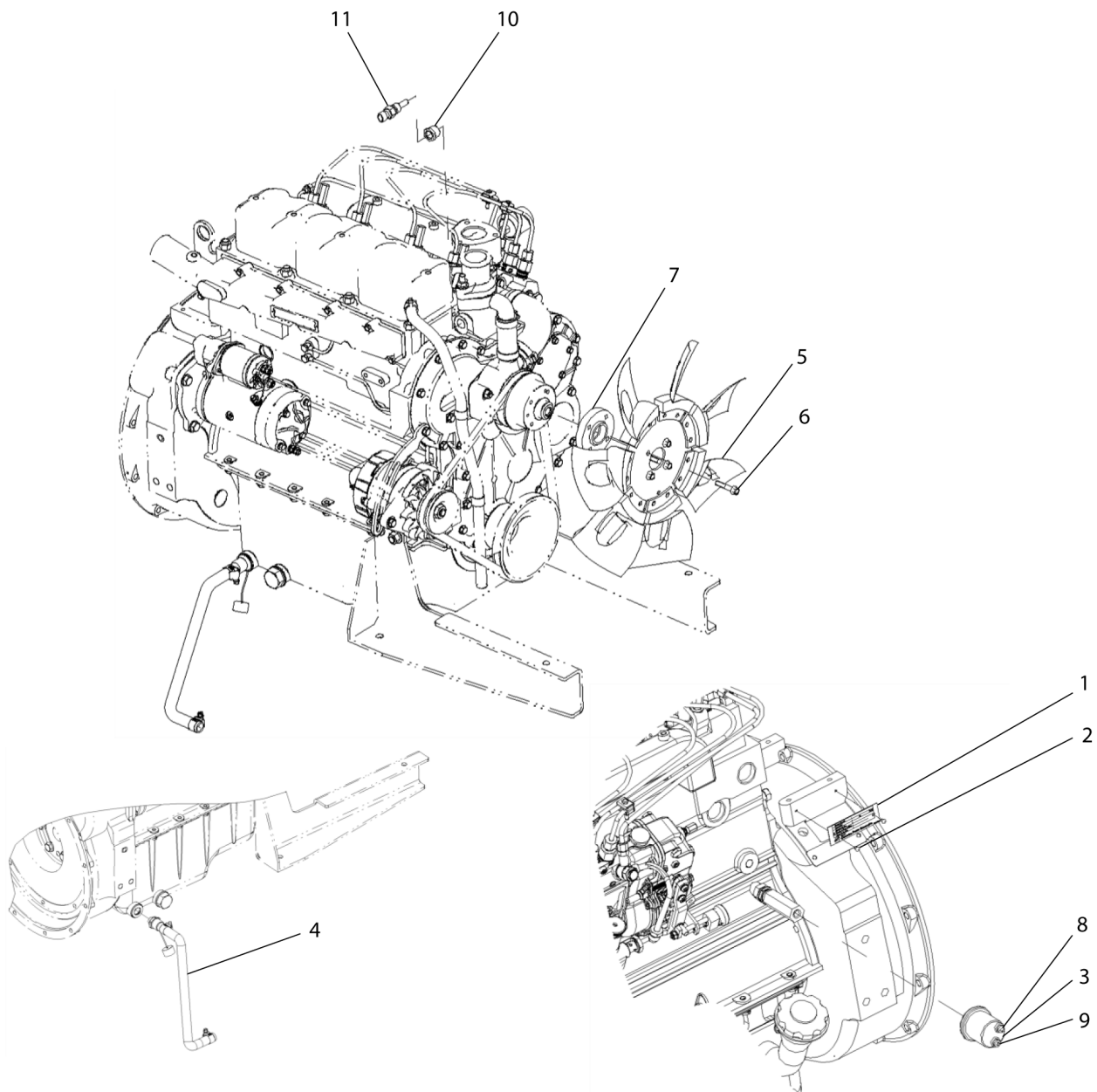
COOLING SYSTEM INSTALLATION
(G30/36)



COOLING SYSTEM INSTALLATION (G30/36)

[illegible]

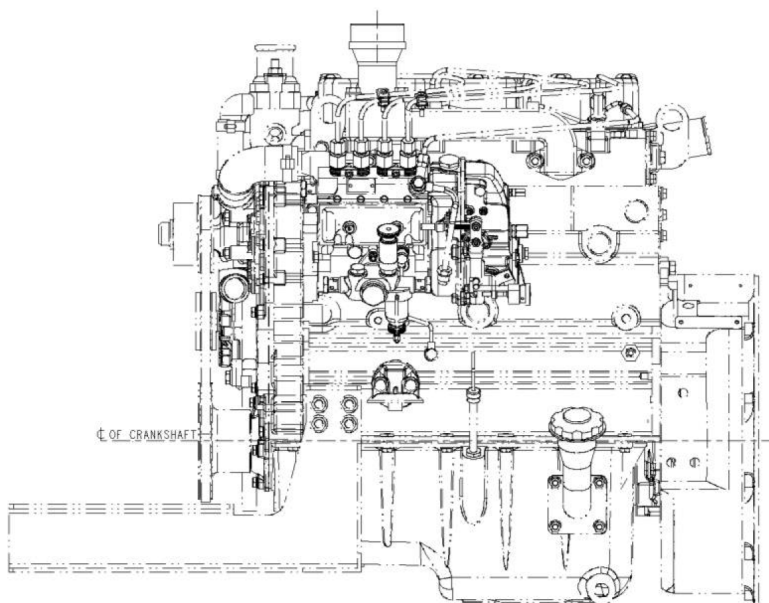
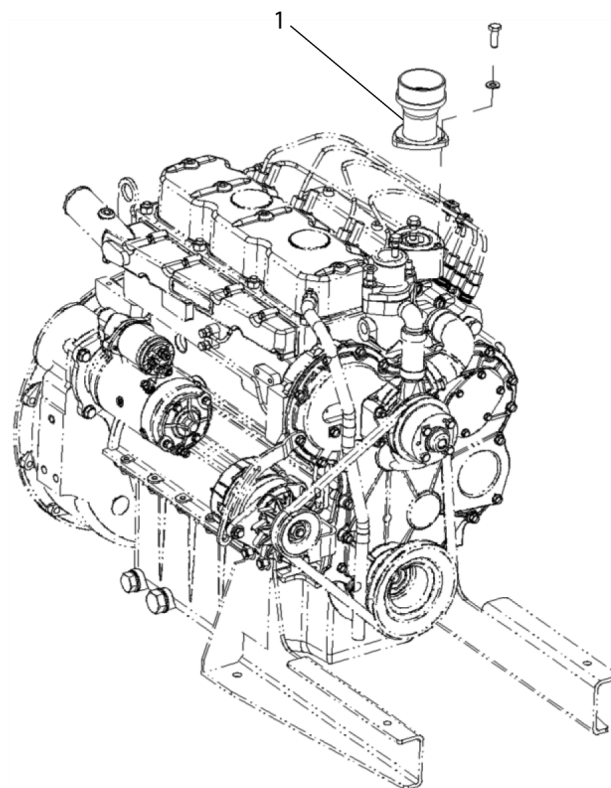
ENGINE INSTALLATION (G30/36)



ENGINE INSTALLATION (G30/36)

[illegible]

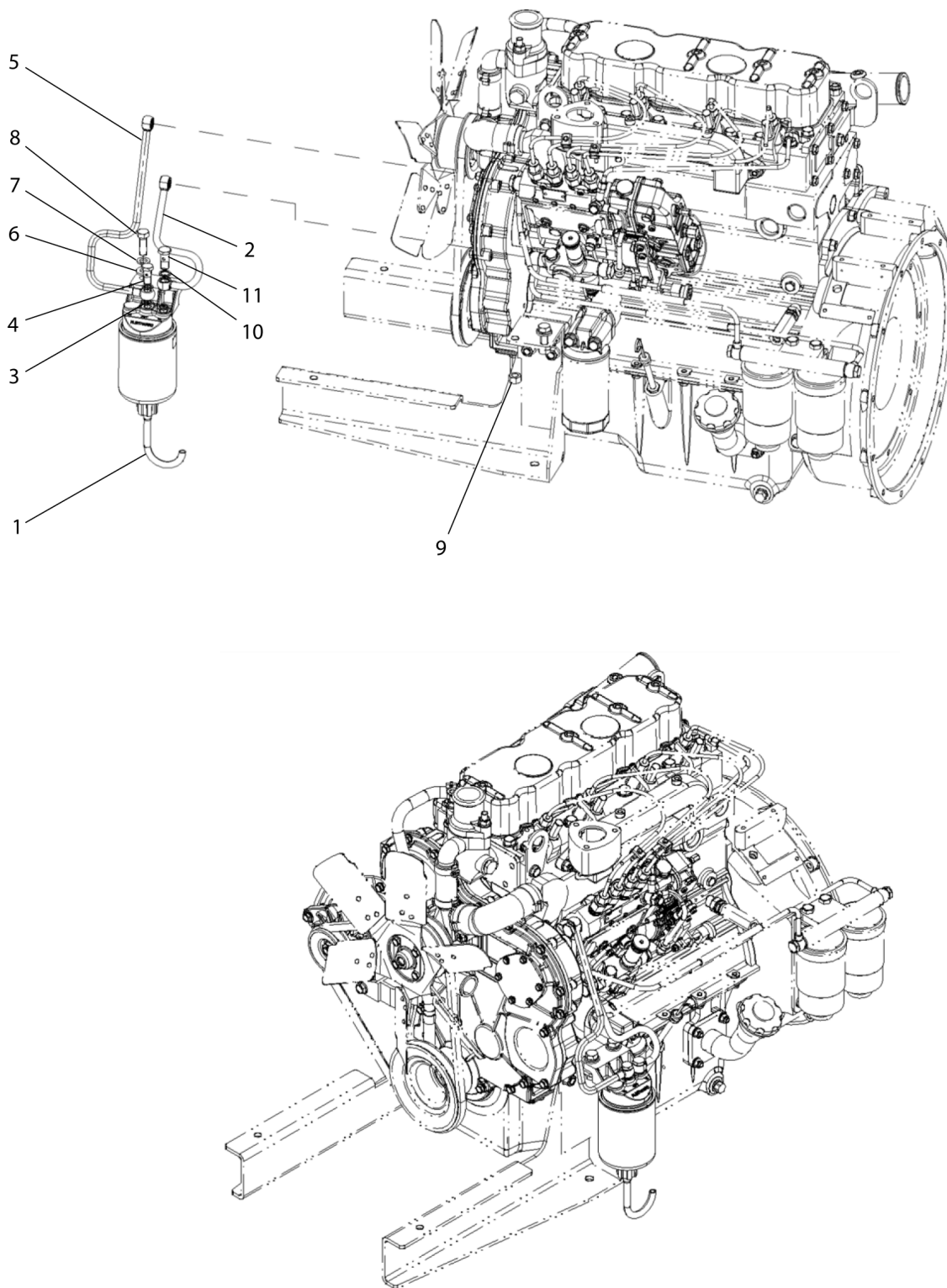
EXHAUST INSTALLATION (G30/36)



EXHAUST INSTALLATION (G30/36)

[illegible]

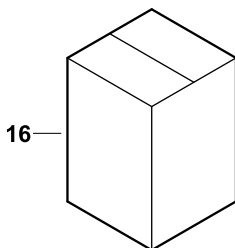
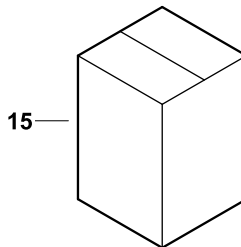
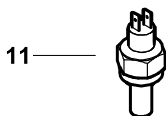
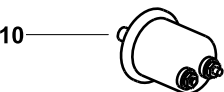
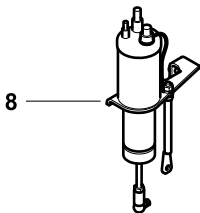
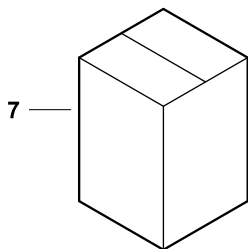
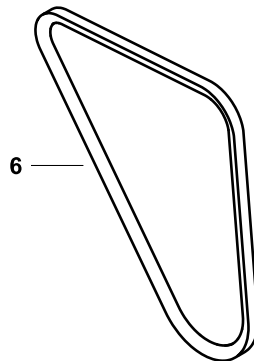
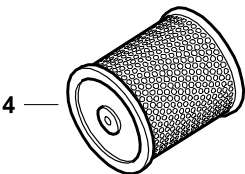
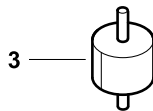
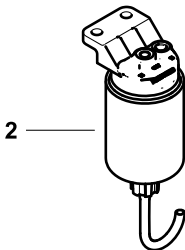
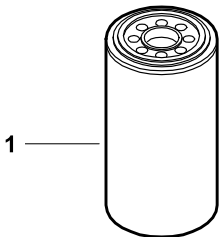
FUEL SYSTEM INSTALLATION (G30/36)



FUEL SYSTEM INSTALLATION (G30/36)

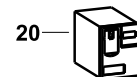
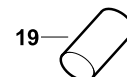
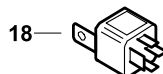
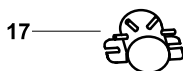
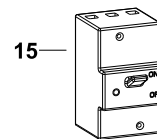
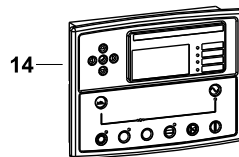
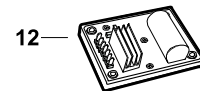
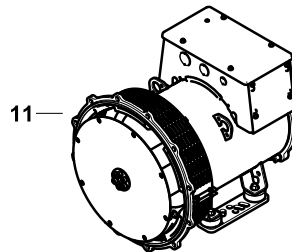
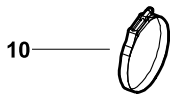
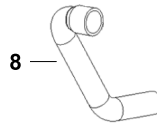
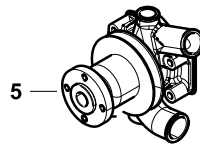
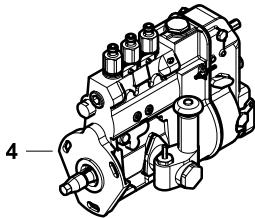
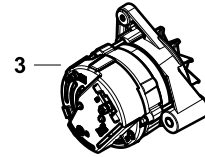
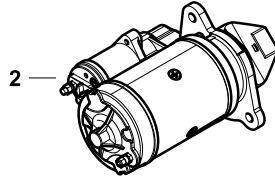
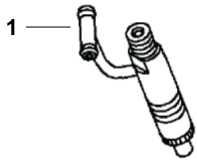
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CLASS 1 MAINTENANCE AND REPAIR ITEMS
(G20/24)



[illegible][illegible]

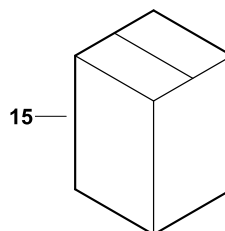
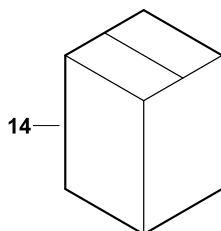
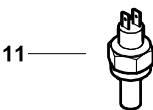
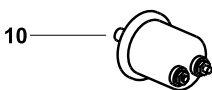
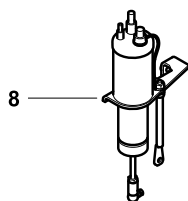
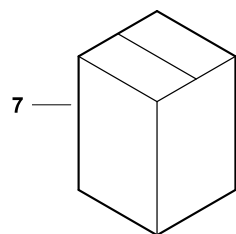
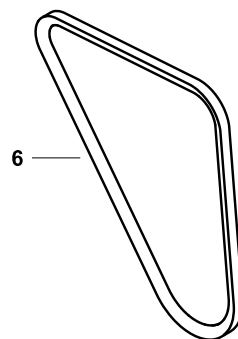
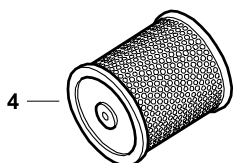
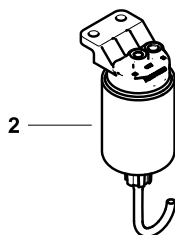
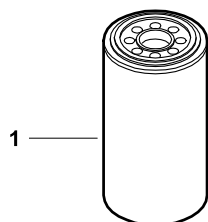
CLASS 2 EXTENDED DOWNTIME PREVENTION (G20/24)



**CLASS 2 EXTENDED DOWNTIME PREVENTION
(G20/24)**

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46709378	NOZZLE & HOLDER	G20		1
1	46722094	NOZZLE & HOLDER	G24		1
2	46703592	MOTOR STARTER			1
3	46703595	ALTERNATOR			1
4	46703589	FUEL INJECTION PUMP	G20		1
4	46717019	FUEL INJECTION PUMP	G24		1
5	46703629	WATER PUMP ASSEMBLY			1
6	46703639	HOSE BYPASS CONNECTION TO WATER PUMP BODY			1
7	46703641	HOSE WATER PUMP OUTLET TO CYLINDER BLOCK WATER INLET			1
8	46703782	HOSE WATER			1
9	46703783	HOSE WATER			1
10	46703767	CLAMP HOSE			6
10	46703787	CLAMP HOSE			6
10	46703640	CLIP WATER CONNECTION HOSE			6
10	46703642	CLIP WATER CONNECTION HOSE			6
11	46706646	ALTERNATOR S0L2-G1			1
12	46703791	KIT, AVR AS540			1
13	46703794	KIT, RECTIFIER SERVICE			1
14	46706537	CONTROLLER, DIGITAL DSE 6010			1
15	46716439	CIRCUIT BREAKER (MCCB)	32A TP		1
15	46728728	CIRCUIT BREAKER (MCCB),	65A TP (220/127V OPTION ONLY) G24		1
16	46706556	FUEL LEVEL GAUGE			1
17	46706615	HEAVY DUTY SOLENOID 12V			1
18	46719987	RELAY 12V DC 40A	FOR FUEL		1
19	46706563	FUSE CYLINDRICAL 10X38 20A			1
19	46706564	FUSE CYLINDRICAL 10X38 2A			1
20	46706643	RELAY 12VDC			1

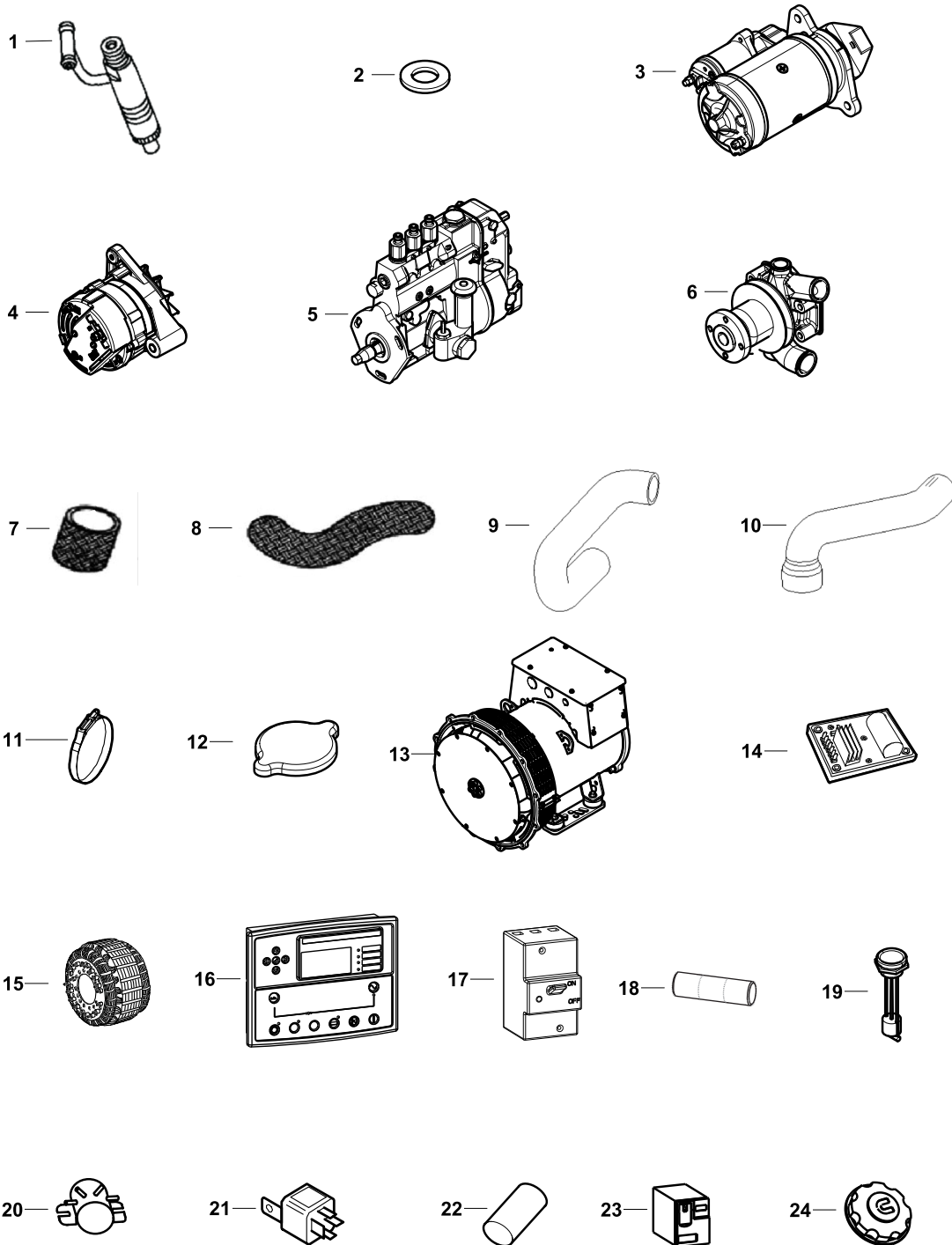
**CLASS 1 MAINTENANCE AND REPAIR ITEMS
(G30/36)**



CLASS 1 MAINTENANCE AND REPAIR ITEMS (G30/36)	
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CLASS 2 EXTENDED DOWNTIME PREVENTION (G30/36)



**CLASS 2 EXTENDED DOWNTIME PREVENTION
(G30/36)**

Item	Part Number	Description	Remarks	Serial Number	Qty
1	46705621	NOZZLE & HOLDER			1
2	46705642	WASHER NOZZLE SEATING			1
3	46703592	MOTOR STARTER			1
4	46703595	ALTERNATOR			1
5	46709349	FUEL INJECTION PUMP	G30		1
5	46717020	FUEL INJECTION PUMP	G36		1
6	46705620	WATER PUMP ASSEMBLY			1
7	46705641	HOSE BYPASS CONNECTION TO WATER PUMP BODY			1
8	46705640	HOSE WATER PUMP OUTLET TO CYLINDER BLOCK WATER INLET			1
9	46705498	HOSE WATER			1
10	46705492	HOSE WATER			1
11	46703767	CLAMP HOSE			6
11	46703640	CLIP WATER CONNECTION HOSE			6
11	46703642	CLIP WATER CONNECTION HOSE			6
12	46705471	PRESSURE CAP			1
13	46706648	ALTERNATOR S0L2-G1			1
14	46703791	KIT, AVR AS540			1
15	46703794	KIT, RECTIFIER SERVICE			1
16	46706537	CONTROLLER, DIGITAL DSE 6010			1
17	46716440	CIRCUIT BREAKER (MCCB)	50A TP		1
17	46716441	CIRCUIT BREAKER (MCCB)	100A TP (220/127V OPTION ONLY) G36		1
18	46703631	STUD WATER PUMP MOUNTING			1
19	46706556	FUEL LEVEL GAUGE			1
20	46706615	HEAVY DUTY SOLENOID 12V			1
21	46719987	RELAY 12V DC 40A	FOR FUEL		1
22	46706563	FUSE CYLINDRICAL 10X38 20A			1
22	46706564	FUSE CYLINDRICAL 10X38 2A			1
23	46706643	RELAY 12VDC			1
24	46703584	CAP LUB OIL FILLER			1

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