



Doosan Infracore

950106-00129

Parts Book

NATURAL GAS ENGINE FOR GENERATOR

GE12TI

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FOREWORD

- This parts list is shown the engine components parts of 『DOOSAN Natural Gas Engine for Generator GE12TI』.

1. HOW TO ORDER PARTS

When ordering parts, please specify the following items as shown in the following example.

<Example> 1) Model of Engine : GE12TI  Shown on cylinder block
2) Engine Serial No : EEIOH900001
3) Part No : 150107-00188
4) Part Name : shaft ; Crank
5) Q'ty : 1
6) Purchasers Name and Address :

2. HOW TO USE THIS PARTS BOOK

Find No : 『Find No』 Shows the referring number of illustration.

Level : Components parts of one assembling part are shown with 『1』 mark and shown below of an assembling part. Also, if the components parts marked 『1』 consist of further components parts, these further component parts are with 『2』.

Part No : 『Part No』 is it's own number.

Part Name : 『Part name』 There is printed information such as size, specification with the part name.

Q'ty : 『Q'ty』 shows the quantity used for one engine, however 『Q'ty』 of component parts shows the quantity used for one assembling part.

GE12TI : EEIOH, EZIOH DOOSAN NATURAL GAS ENGINE FOR GENERATOR

S/C : 『S/C』 Abbreviation is service code of parts has its own meaning as shown below.

B : The parts with this abbreviation show that they require some work on them before installing the engine.

D : The part with this abbreviation is a component of an assembling part and is not available independently. The assembling part containing this part should be ordered it.

R : The part with this abbreviation shows that the quantity of the part is changed depending on the engine, such as an adjusting shim etc.

S : This part is specially provided for installing the engine, which parts not include in the engine assembly before shipping from the factory.

G : This part needs special care(grade control) to perform the maintenance job. Before order, the grade of the part should be confirmed.(It should be same with the grade of matching part.)

OP : Optional parts.

EX : Specific design parts.

ST : Standard-sized parts.

OS : Over-sized parts.

US : Under-sized parts.

(Part with abbreviation "OS" or "US" is described on the line below the standard sized part).

AL : 『AL』 Abbreviation is alternative between over the two parts.

N : The part with this abbreviation is not supplied for After-service.

ICA : 『ICA』 shows the interchangeability between the original and the improved parts.

The improved part shows below the original part and with same 『Find No』, shows by 『-』.

Y : This part with 『Y』 in the ICA column can be used original and improved part.

O : This part with 『O』 in the ICA column can not use improved part, use only this part.

C : This part with 『C』 in the ICA column can be used instead of improved part but not vice versa.

N : This part with 『N』 in the ICA column can not use interchange, use only part of 『Find No』

Remark : Effective date of alteration or altered engine numbers are included in this columns.

- When repairing, it is recommended to use our standard parts.
- Researching the parts from part No., see the 『Parts Index』 in finish of this parts book.
- Parts may be altered in a constant effort to improve engine. Then, it is recommended that customers contact our after service center.

Jan. 2010.

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Fig.0110 CYLINDER BLOCK

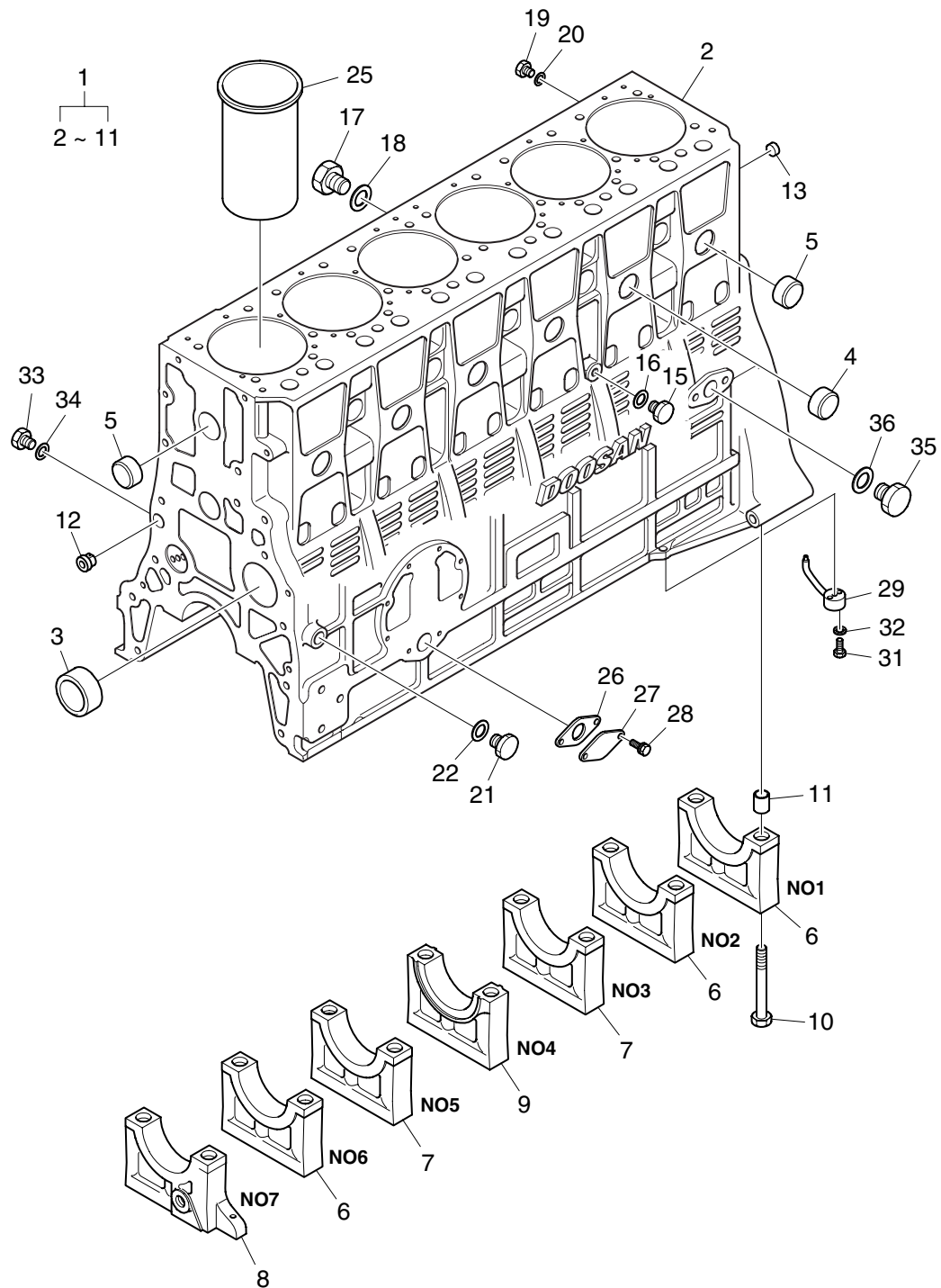


Fig.0110 CYLINDER BLOCK

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.01101-6212F	CYLINDER BLOCK ASS'Y	1					
2	2	65.01101-0212D	BLOCK ; CYLINDER	1			D		
3	2	65.04410-0016	BUSH ; CAM SHAFT	4			B		
4	2	65.90302-0048	PLUG ; CORE	6					
5	2	65.91606-0037	PLUG ; CORE	15					
6	2	65.01105-1161B	CAP ; BEARING #1	3			B		
7	2	65.01105-1158G	CAP ; BEARING #3	2			B		
8	2	65.01105-1157H	CAP ; BEARING #7	1			B		
9	2	65.01105-1159G	CAP ; BEARING #4	1			B		
10	2	65.90020-0036B	BOLT ; BEARING CAP	14					
11	2	65.91710-0035B	RING ; LOCATING	14					
12	1	65.01601-0008	NOZZLE ; OIL SPRAY	1					
13	1	65.91606-0041	PLUG ; CORE	1					
15	1	65.90310-0137	SCREW ; PLUG M16x1.5x20	1					
16	1	06.56190-0709	RING ; SEAL A16x22	1					
17	1	65.90310-0132	SCREW ; PLUG	1					
18	1	06.56190-0718	RING ; SEAL	1					
19	1	06.08092-2403	SCREW ; PLUG M12x1.5	1					
20	1	06.56190-0703	RING ; SEAL	1					
21	1	65.90310-0131	SCREW ; PLUG	1					
22	1	06.56190-0712	RING ; SEAL A18x22	1					
25	1	65.01201-0311C	LINER ; CYLINDER	6					
26	1	65.96601-0012	GASKET	1					
27	1	65.91615-0015	COVER ; BLIND	1					
28	1	06.01923-3113	BOLT ASS'Y M8x20	2					
29	1	65.01601-6002	OIL SPRAY NOZZLE ASS'Y	6					
31	1	65.90001-0126	BOLT ; HEX.	12					
32	1	06.16044-0208	WASHER ; SPRING	12					
33	1	06.08092-0204	SCREW ; PLUG M14x1.5	1					
34	1	06.56190-0706	RING ; SEAL A14x20	1					
35	1	65.90310-0133	SCREW ; PLUG	1					
36	1	06.56190-0726	RING ; SEAL A26x31	1					

Fig.0130 TIMING GEAR CASE

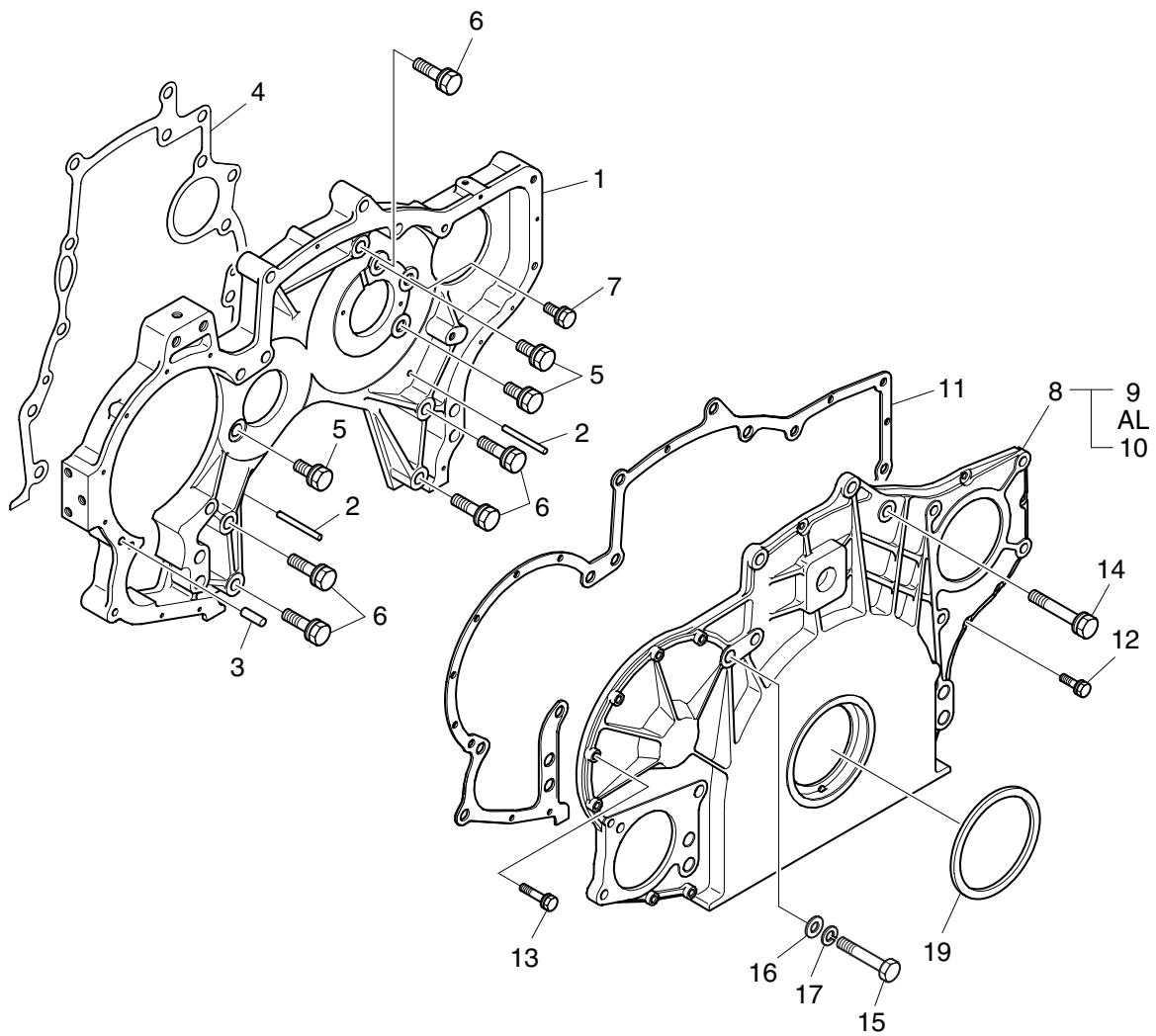


Fig.0130 TIMING GEAR CASE

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.01304-0023C	CASE ; TIMING GEAR	1					
2	1	65.91010-0017	PIN ; DOWEL	2					
3	1	06.22022-1014	PIN ; PARALLEL	1					
4	1	65.01903-0048B	GASKET	1					
5	1	06.01943-3317	BOLT ASS'Y M12x1.5x30	3					
6	1	06.01943-3320	BOLT ASS'Y M12x1.5x45	5					
7	1	06.01913-3215	BOLT ASS'Y M10x25	1					
8	1	65.01305-5040	COVER ; TIMING GEAR CASE	1					
9	2	65.01305-5041	COVER ; TIMING GEAR CASE	1			AL		
10	2	65.01305-5049G	COVER ; TIMING GEAR CASE	1			AL		
11	1	65.01903-0050	GASKET ; TIMING GEAR CASE COVER	1					
12	1	06.01923-2914	BOLT ASS'Y M6x22	6					
13	1	06.01923-2917	BOLT ASS'Y M6x30	7					
14	1	06.01953-3326	BOLT ASS'Y M12x1.5x75	2					
15	1	06.01493-4315	BOLT ; HEX. M12x1.5x80	3					
16	1	06.15010-2313	WASHER ; PLAIN 12	3					
17	1	06.16731-2109	WASHER ; SPRING A12	3					
19	1	65.01510-0157	SEAL ; OIL	1					

Fig.0140 FLYWHEEL HOUSING

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty	Q'ty	Q'ty			
1	1	150114-00070	HOUSING ; FLYWHEEL	1					
1-1	2	65.01401-0194J	HOUSING ; FLYWHEEL	1			AL		
1-2	2	150114-00026	HOUSING ; FLYWHEEL	1			AL		
6	1	65.01904-0022A	GASKET ; FLYWHEEL HOUSING COVER	1					
8	1	06.02074-0317	BOLT ; REAMER M14x2x90	2					
9	1	06.16731-2110	WASHER ; SPRING A14	2					
10	1	06.11063-8217	NUT ; HEX. M14	2					
11	1	65.90001-6002	BOLT ASS'Y M12x1.5x45	10					
17	1	65.01510-0158	SEAL ; OIL	1					
18	1	65.96002-0003	PLUG ; RUBBER	1					

Fig.0210 CRANK SHAFT

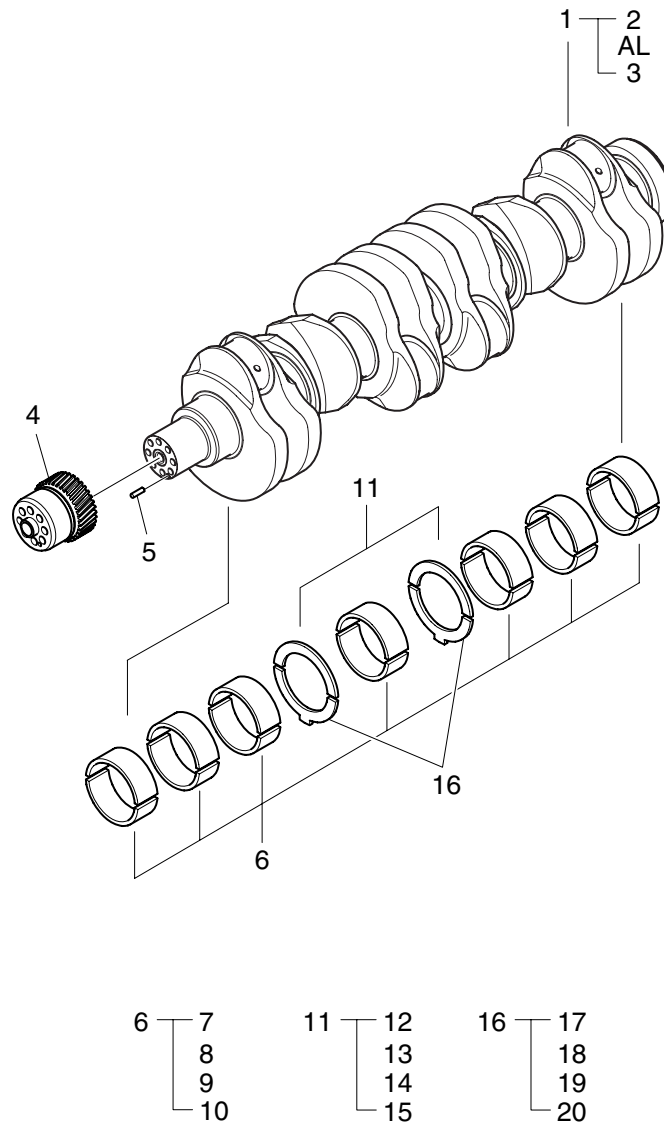


Fig.0210 CRANK SHAFT

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	150107-00188	CRANK SHAFT ASSY	1					
2	2	150107-00186	SHAFT ; CRANK	1			AL		
3	2	150107-00187	SHAFT ; CRANK	1			AL		
4	1	65.02115-0008B	GEAR ; CRANK SHAFT	1					
5	1	06.22022-0912	PIN ; PARALLEL 6M6x20	1					
6	1	65.01110-6055A	BEARING ; MAIN (STD)	7			ST		
7	2	65.01110-6068A	BEARING ; MAIN (0.25)	7			US		
8	2	65.01110-6069A	BEARING ; MAIN (0.50)	7			US		
9	2	65.01110-6070A	BEARING ; MAIN (0.75)	7			US		
10	2	65.01110-6071A	BEARING ; MAIN (1.00)	7			US		
11	1	65.01150-0017A	BEARING ; THRUST (UPPER) (STD)	2			ST		
12	2	65.01150-0048A	BEARING ; THRUST (UPPER) (0.25)	2			US		
13	2	65.01150-0049A	BEARING ; THRUST (UPPER) (0.50)	2			US		
14	2	65.01150-0050A	BEARING ; THRUST (UPPER) (0.75)	2			US		
15	2	65.01150-0051A	BEARING ; THRUST (UPPER) (1.00)	2			US		
16	1	65.01150-0018B	BEARING ; THRUST (LOWER) (STD)	2			ST		
17	2	65.01150-0052B	WASHER ; THRUST (LOWER) (0.25)	2			US		
18	2	65.01150-0053B	WASHER ; THRUST (LOWER) (0.50)	2			US		
19	2	65.01150-0054B	WASHER ; THRUST (LOWER) (0.75)	2			US		
20	2	65.01150-0055B	WASHER ; THRUST (LOWER) (1.00)	2			US		

Fig.0220 VIBRATION DAMPER

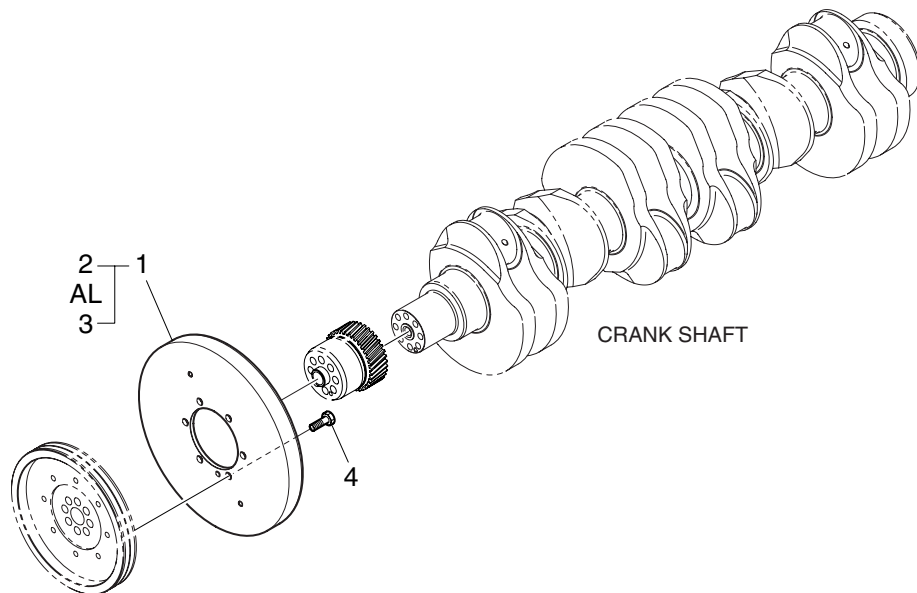


Fig.0220 VIBRATION DAMPER

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.02201-7032	DAMPER ; VIBRATION	1					
2	2	65.02201-7033	DAMPER ; VIBRATION	1			AL		
3	2	65.02201-7034	DAMPER ; VIBRATION	1			AL		
4	1	65.90020-0062B	BOLT ; HEX. M10x20	6					

Fig.0230 FLYWHEEL

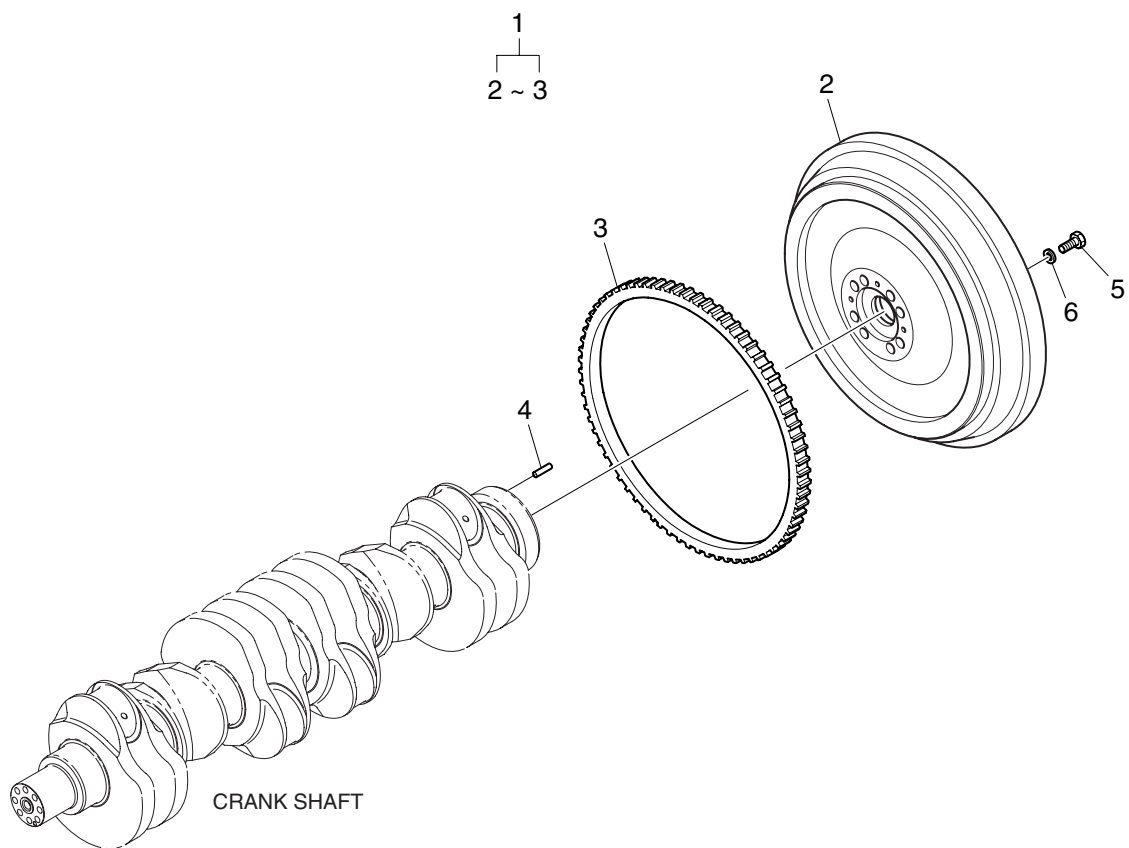


Fig.0230 FLYWHEEL

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty	Q'ty	Q'ty			
1	1	65.02301-5052	FLYWHEEL ASS'Y	1					
2	2	65.02301-0199A	FLYWHEEL	1					
3	2	65.02310-0011A	GEAR ; STARTER RING	1					
4	1	06.22022-1010	PIN ; PARALLEL 8x16	1					
5	1	06.01494-4408	BOLT ; HEX. M14x1.5x45	8					
6	1	06.16731-2110	WASHER ; SPRING A14	8					

Fig.0240 CONNECTING ROD

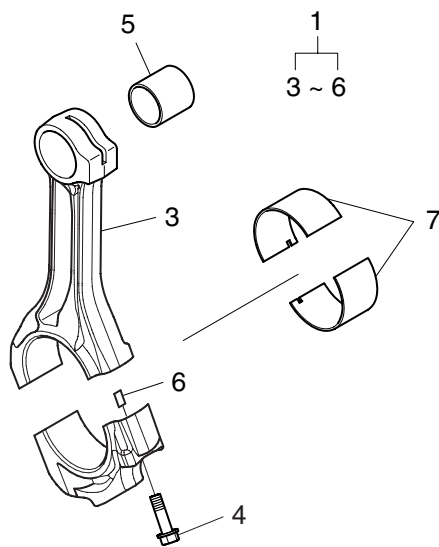


Fig.0240 CONNECTING ROD

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.02401-6012H	CONNECTING ROD ASS'Y	6			D		
3	2	65.02401-0045H	ROD ; CONNECTING	1			D		
4	2	65.90020-0010E	BOLT ; CONNECTING ROD	2					
5	2	65.02405-1006	BUSH ; CONNECTING ROD	1			B		
6	2	65.91301-0010	PIN ; DOWEL	2					
7	1	65.02410-6106	CONNECTING ROD BEARING ASS'Y	6					

Fig.0250 PISTON

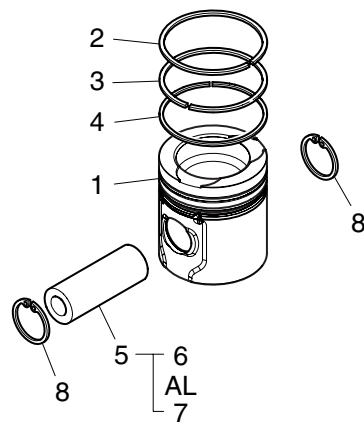


Fig.0250 PISTON

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.02501-0602B	PISTON	6					
2	1	65.02503-0674	RING ; TOP	6					
3	1	65.02503-0125	RING ; 2ND	6					
4	1	65.02503-0675B	RING ; OIL	6					
5	1	65.02502-0208	PIN ; PISTON	6					
6	2	65.02502-0013	PIN ; PISTON	1			AL		
7	2	65.02502-0108	PIN ; PISTON	1			AL		
8	1	06.29020-0127	RING ; SNAP	12					

Fig.0260 CRANK SHAFT PULLEY

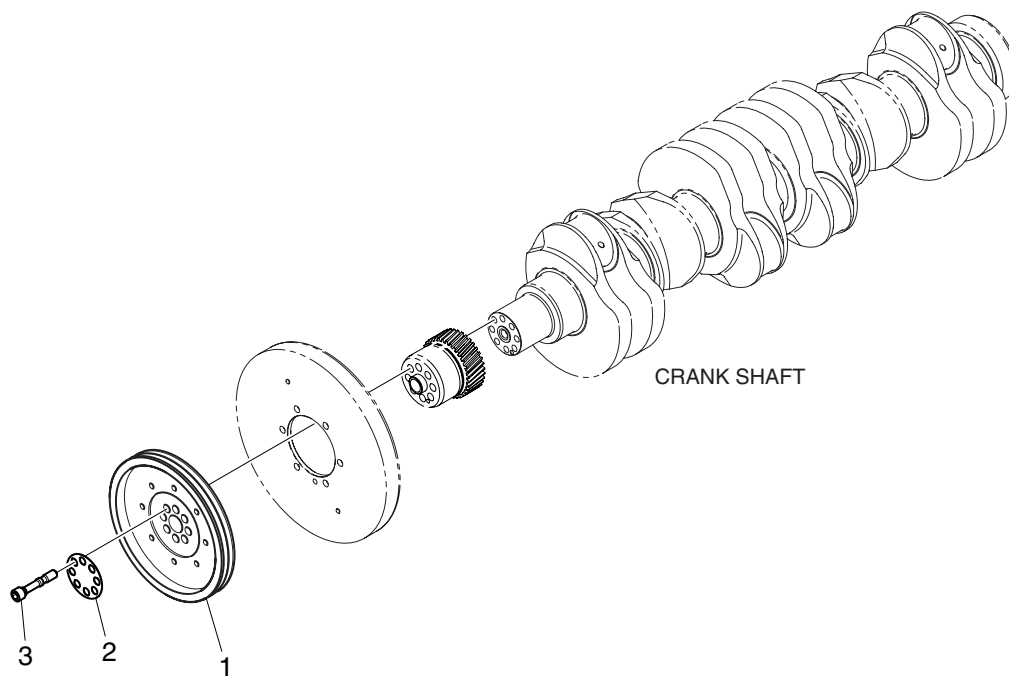


Fig.0260 CRANK SHAFT PULLEY

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty	Q'ty	Q'ty			
1	1	65.02601-0245	PULLEY ; V-BELT	1					
2	1	65.90701-0088	WASHER	1					
3	1	06.02106-0622	BOLT ; SOCKET HEAD	8					

Fig.0310 CYLINDER HEAD

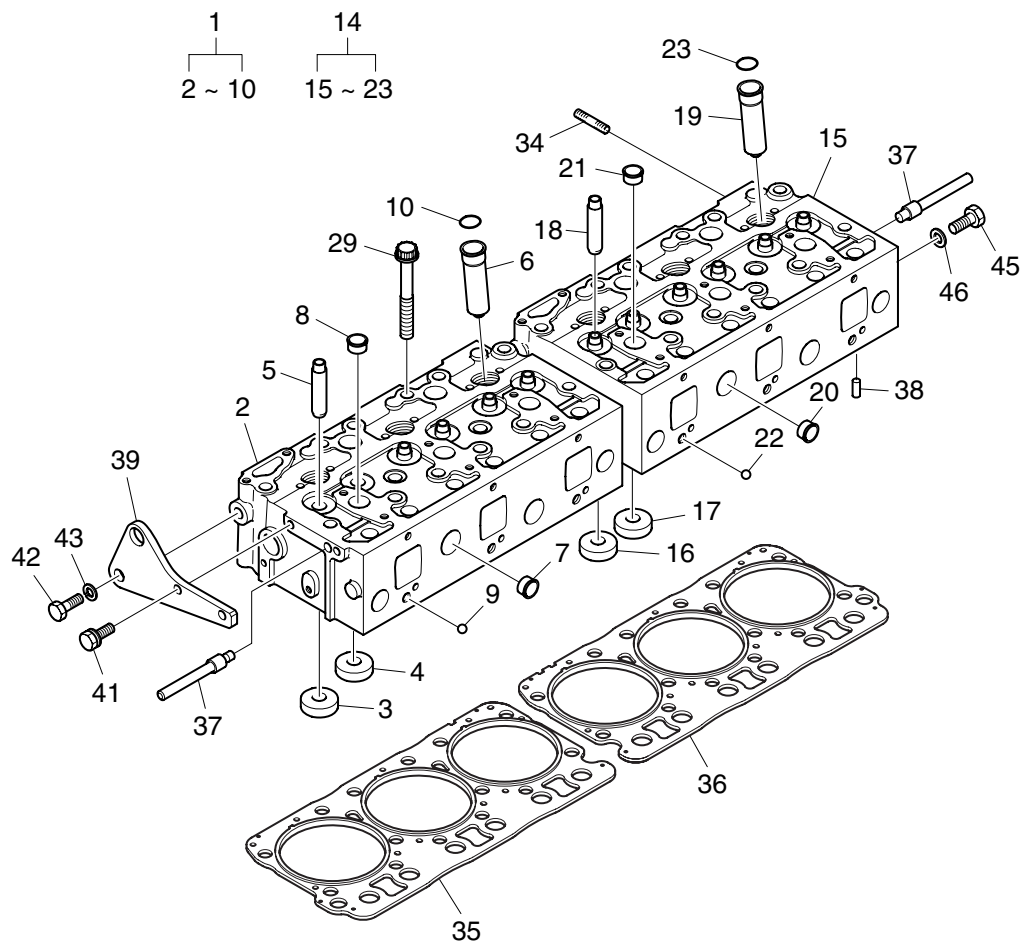


Fig.0310 CYLINDER HEAD

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	150113-00044	CYLINDER HEAD ASS'Y	1					
2	2	65.03101-1070	HEAD ; CYLINDER	1			D		
3	2	65.03203-1061	SEAT ; VALVE	3			B		
4	2	65.03203-1038A	SEAT ; VALVE (INTAKE)	3			B		
5	2	65.03201-1062	GUIDE ; VALVE	6			B		
6	2	65.03205-0005	TUBE ; INJECTION NOZZLE	3					
7	2	65.90302-0042	PLUG ; CORE	2					
8	2	65.90302-0041	PLUG ; CORE	9					
9	2	65.31641-0001	BALL ; STEEL	3					
10	2	65.96501-0069	O-RING	3					
14	1	150113-00045	CYLINDER HEAD ASS'Y	1					
15	2	65.03101-1071	HEAD ; CYLINDER	1			D		
16	2	65.03203-1061	SEAT ; VALVE	3			B		
17	2	65.03203-1038A	SEAT ; VALVE (INTAKE)	3			B		
18	2	65.03201-1062	GUIDE ; VALVE	6			B		
19	2	65.03205-0005	TUBE ; INJECTION NOZZLE	3					
20	2	65.90302-0042	PLUG ; CORE	2					
21	2	65.90302-0041	PLUG ; CORE	9					
22	2	65.31641-0001	BALL ; STEEL	3					
23	2	65.96501-0069	O-RING	3					
29	1	65.90021-0005	BOLT ; COLLARED DUO.	28					
34	1	65.90201-0080	BOLT ; STUD	2					
35	1	65.03901-0075	GASKET ; CYLINDER HEAD	1					
36	1	65.03901-0076	GASKET ; CYLINDER HEAD	1					
37	1	65.91001-0013A	PIN ; CORE	2			B		
38	1	06.22022-0909	PIN ; PARALLEL 6M6x14	4					
39	1	65.41520-0003	BRACKET ; HANGER	1					
41	1	06.01913-3217	BOLT ASS'Y M10x30	2					
42	1	06.01734-4411	BOLT ; HEX. M14x1.5x30	1					
43	1	06.16731-2110	WASHER ; SPRING A14	1					
45	1	06.01494-4408	BOLT ; HEX. M14x1.5x45	1					
46	1	06.16731-2110	WASHER ; SPRING A14	1					

Fig.0340 CYLINDER HEAD COVER

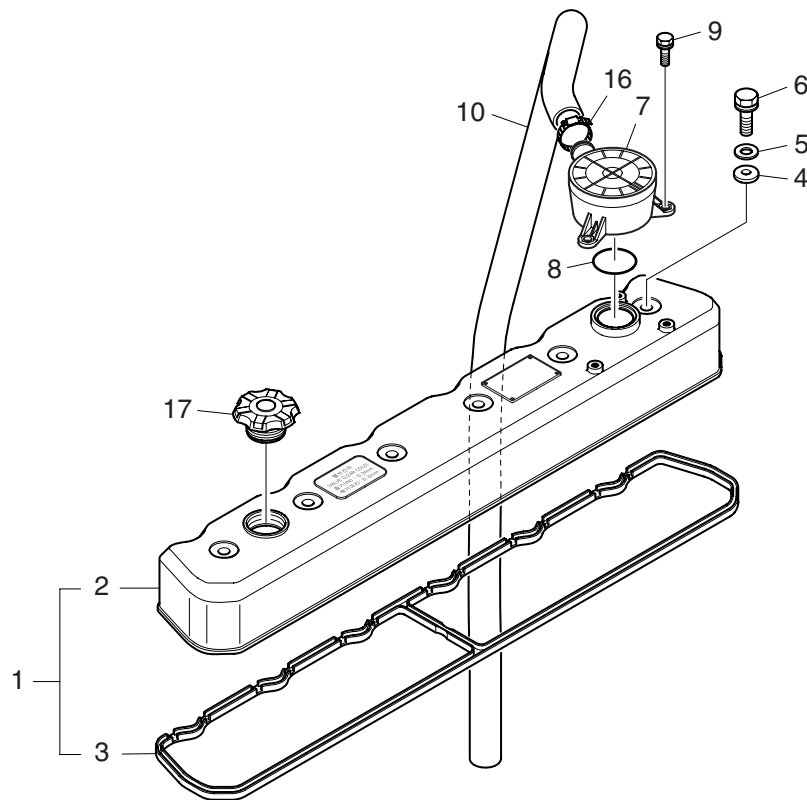


Fig.0340 CYLINDER HEAD COVER

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.03401-6046D	CYLINDER HEAD COVER ASS'Y	1					
2	2	65.03401-0048D	COVER ; CYLINDER HEAD	1					
3	2	65.03905-0020	GASKET ; CYLINDER HEAD COVER	1					
4	1	65.03905-0023A	GASKET ; CYLINDER HEAD	6					
5	1	65.90701-0202	WASHER	6					
6	1	65.90020-0074	BOLT ; COLLARED HEX.	6					
7	1	65.01801-5099C	BREATHER ASS'Y	1					
8	1	65.96501-0033B	O-RING	1					
9	1	06.01923-3113	BOLT ASS'Y M8x20	3					
10	1	65.96301-0305	HOSE ; RUBBER	1					
16	1	06.67020-0105	CLAMP ; HOSE	1					
17	1	65.01810-5011	OIL FILLER CAP ASS'Y	1					

Fig.0410 VALVE

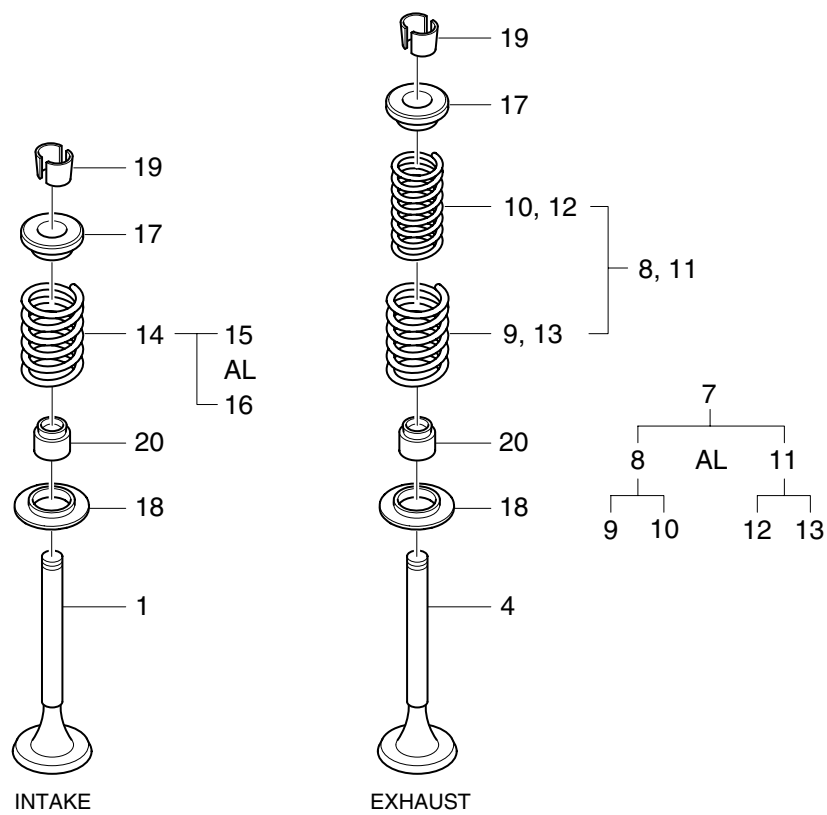


Fig.0410 VALVE

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.04101-0055	VALVE ; INTAKE	6					
4	1	65.04101-0069	VALVE ; EXHAUST	6					
7	1	65.04102-6021	VALVE SPRING ASS'Y	6					
8	2	65.04102-6004A	VALVE SPRING ASS'Y	1			AL		
9	3	65.04102-0066	SPRING ; VALVE (OUTER)	1					
10	3	65.04102-0002A	SPRING ; VALVE (INNER)	1					
11	2	65.04102-6022	VALVE SPRING ASS'Y	1			AL		
12	3	65.04102-0038	SPRING ; VALVE (INNER)	1					
13	3	65.04102-0040	SPRING ; VALVE (OUTER)	1					
14	1	65.04102-0039	SPRING ; VALVE	6					
15	2	65.04102-0066	SPRING ; VALVE	1			AL		
16	2	65.04102-0040	SPRING ; VALVE	1			AL		
17	1	65.04103-0014	RETAINER ; VALVE SPRING	12					
18	1	65.90701-0105	WASHER	12					
19	1	65.04104-0007	COTTER ; VALVE	24					
20	1	65.04902-0012A	SEAL ; VALVE STEM	12					

Fig.0420 ROCKER ARM

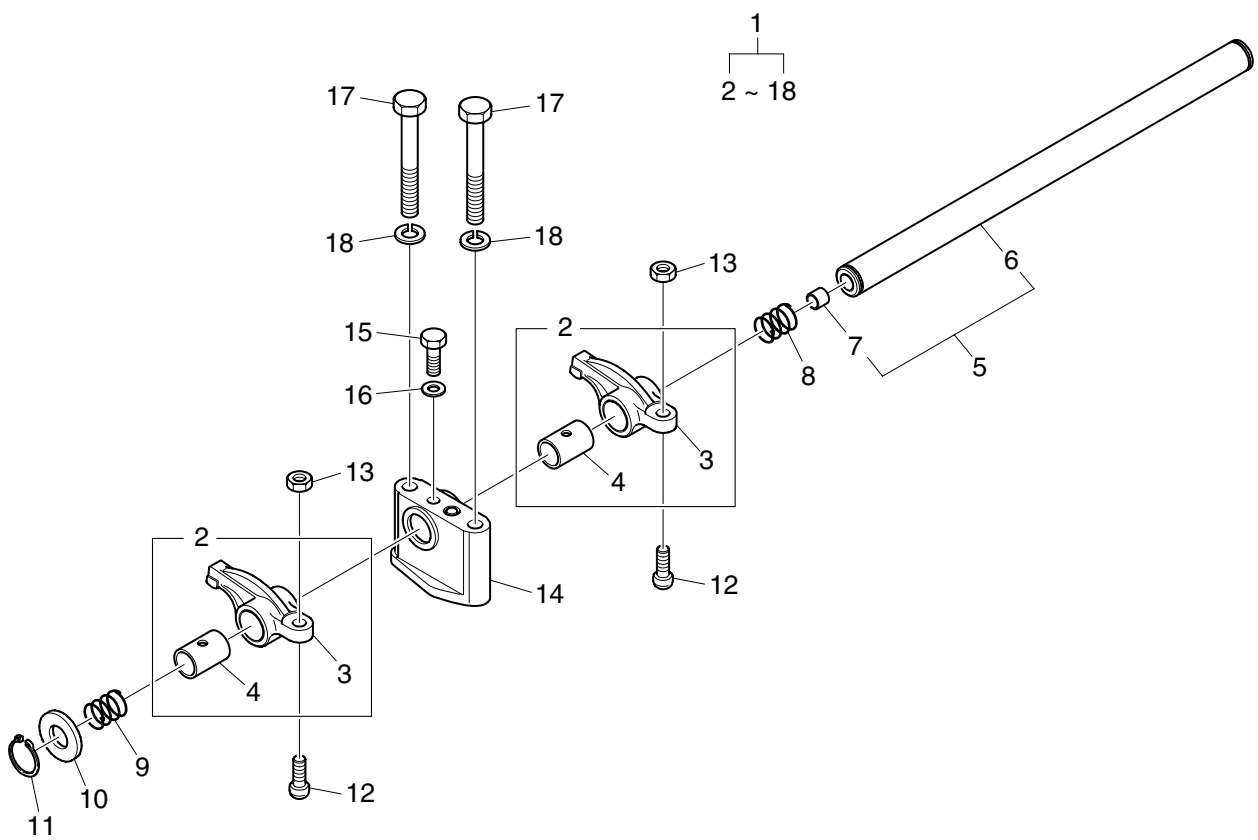


Fig.0420 ROCKER ARM

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty	Q'ty	Q'ty			
1	1	65.04200-6027D	ROCKER ARM & SHAFT ASS'Y	2					
2	2	65.04201-5014E	ROCKER ARM ASS'Y	6					
3	3	65.04201-0007K	ARM ; ROCKER	1					
4	3	65.93020-0033D	BUSH	1					
5	2	65.04203-5010	ROCKER ARM SHAFT ASS'Y	1					
6	3	65.04203-0010A	SHAFT ; ROCKER ARM	1					
7	3	65.90302-0012	PLUG ; CORE	2					
8	2	65.97601-0104	SPRING ; COMPRESSION	2					
9	2	65.97601-0053	SPRING ; COMPRESSION	2					
10	2	65.90710-0039	WASHER	2					
11	2	06.29010-0120	RING ; SNAP	2					
12	2	65.04205-0003A	SCREW ; ADJUST	6					
13	2	65.90501-0003	NUT ; HEX. M10x1.0	6					
14	2	65.04202-0014A	BRACKET ; ROCKER ARM	3					
15	2	06.01283-7112	BOLT ; HEX. M8x18	3					
16	2	06.15010-2311	WASHER ; PLAIN 8.4	3					
17	2	06.01013-9221	BOLT ; HEX. M10x80	6					
18	2	06.16731-2108	WASHER ; SPRING A10	6					

Fig.0430 VALVE TAPPET & PUSH ROD

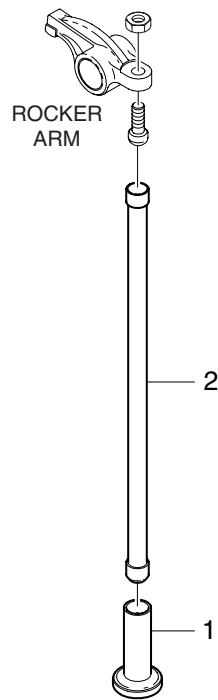


Fig.0430 VALVE TAPPET & PUSH ROD

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.04301-0006	TAPPET ; VALVE	12					
2	1	65.04302-5011	ROD ; PUSH	12					

Fig.0440 CAM SHAFT

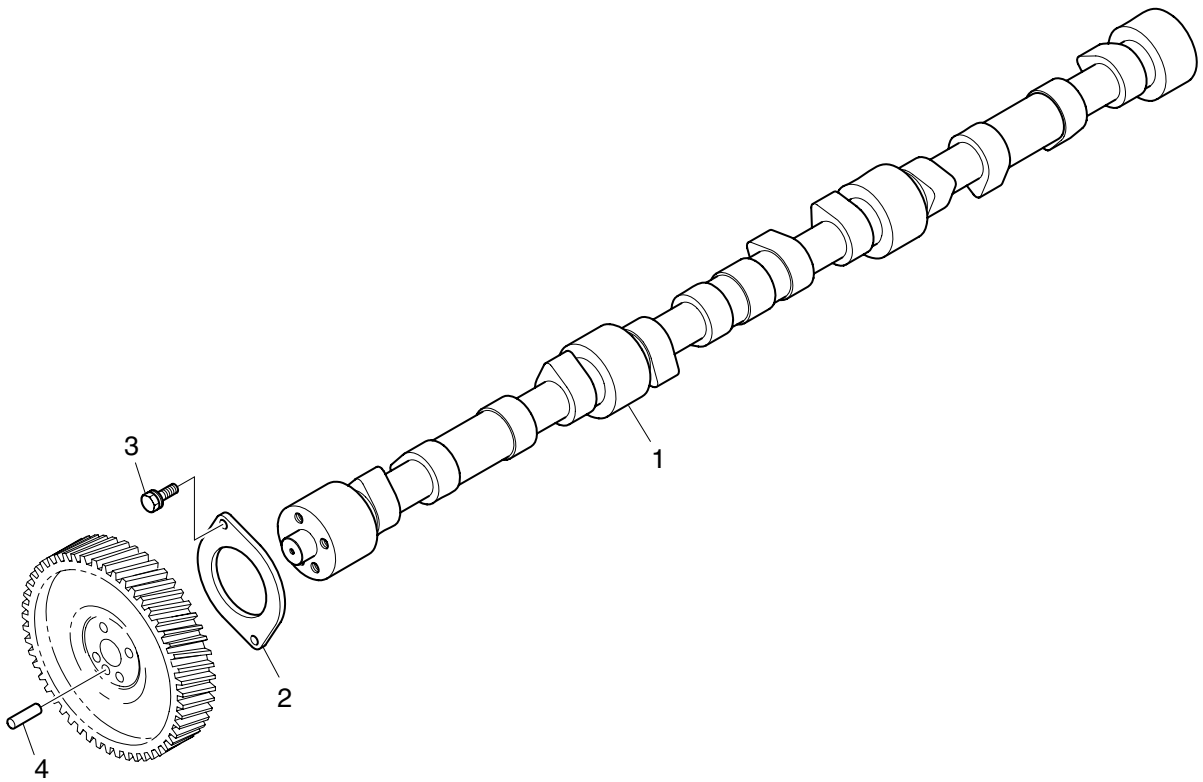


Fig.0440 CAM SHAFT

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.04401-0010M	SHAFT ; CAM	1					
2	1	65.98112-0038	FLANGE	1					
3	1	65.90001-6003	BOLT ASS'Y M6x14	2					
4	1	06.22022-1014	PIN ; PARALLEL	1					

Fig.0450 CAM SHAFT DRIVE

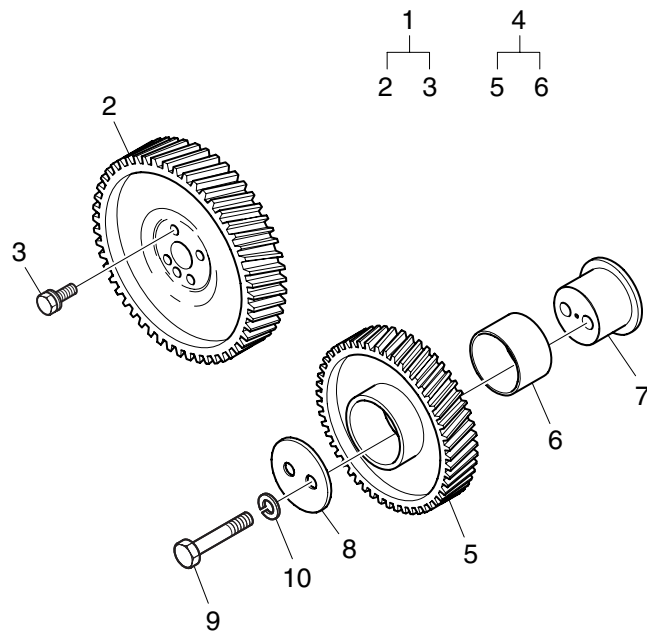


Fig.0450 CAM SHAFT DRIVE

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.04500-6006B	CAM SHAFT DRIVE ASS'Y	1					
2	2	65.04501-0007A	GEAR ; CAM SHAFT	1					
3	2	06.01914-3119	BOLT ASS'Y	4					
4	1	65.04505-5016	IDLE GEAR ASS'Y	1					
5	2	65.04505-0033	GEAR ; IDLE	1			D		
6	2	65.04507-0004	BUSH ; IDLE GEAR	1			B		
7	1	65.04506-0033	PIN ; IDLE GEAR	1					
8	1	65.90720-0018	WASHER ; THRUST	1					
9	1	06.01015-9220	BOLT ; HEX. M10x1.5x75	2					
10	1	06.16731-2108	WASHER ; SPRING A10	2					

Fig.0510 OIL PUMP

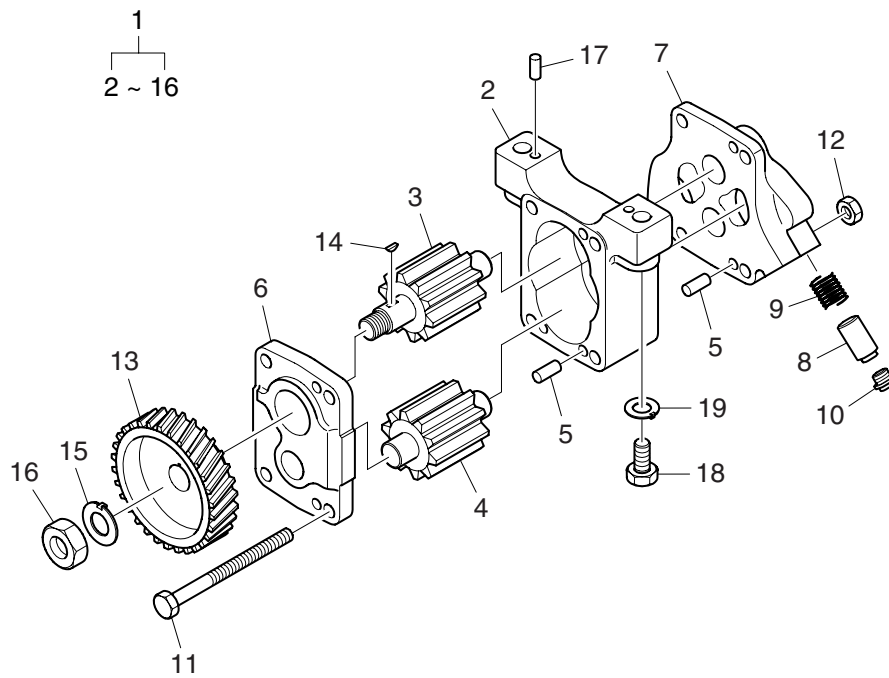


Fig.0510 OIL PUMP

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.05100-6042A	OIL PUMP ASS'Y	1					
2	2	65.05102-0015	HOUSING ; OIL PUMP	1					
3	2	65.05104-5004	OIL PUMP GEAR ASS'Y	1					
4	2	65.05104-5005	OIL PUMP GEAR ASS'Y	1					
5	2	06.22022-0907	PIN ; PARALLEL 6M6x10	4					
6	2	65.05103-5006A	COVER ASS'Y (FRONT)	1					
7	2	65.05103-5008	COVER ASS'Y (REAR)	1					
8	2	65.05410-0007	PLUNGER ; VALVE	1					
9	2	65.97601-0105	SPRING ; COMPRESSION	1					
10	2	65.90310-0104	SCREW ; PLUG	1					
11	2	06.01013-9118	BOLT ; HEX. M8x65	4					
12	2	65.90510-0012	NUT ; CLEVELOC	4					
13	2	65.05201-0008A	GEAR ; OIL PUMP DRIVE	1					
14	2	06.29141-0207	KEY ; WOODRUFF	1					
15	2	06.16050-0311	WASHER ; LOCK	1					
16	2	06.11053-9217	NUT ; HEX. M14x1.5	1					
17	1	06.22022-0907	PIN ; PARALLEL 6M6x10	2					
18	1	06.01013-9215	BOLT ; HEX. M10x50	2					
19	1	65.90801-0018	WASHER ; LOCK	2					

Fig.0520 OIL PUMP DRIVE

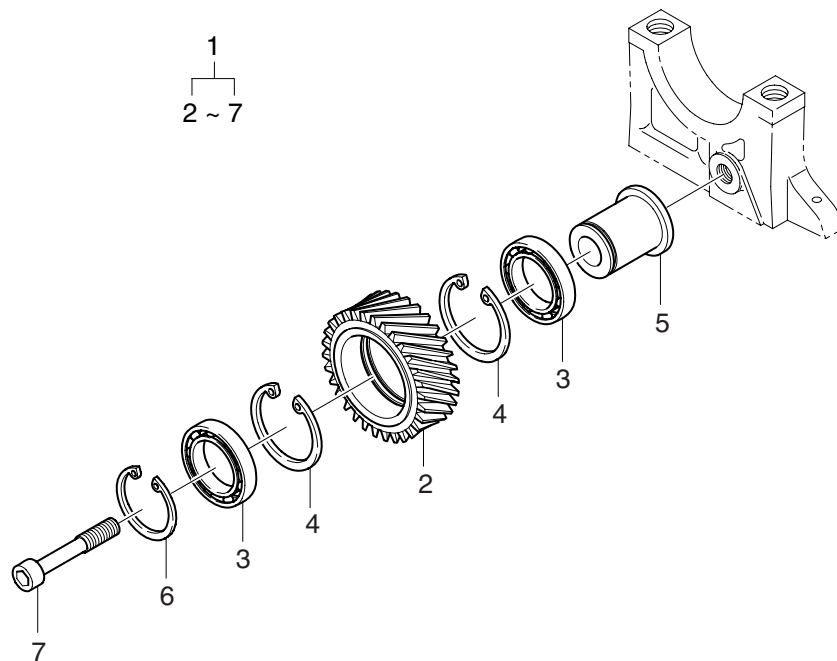


Fig.0520 OIL PUMP DRIVE

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.05200-6004A	IDLE GEAR MOUNTING ASS'Y	1					
2	2	65.05204-0003A	GEAR ; IDLE	1					
3	2	06.31420-0314	BEARING ; BALL	2					
4	2	06.29020-0132	RING ; SNAP 55x2	2					
5	2	65.05205-0018	PIN ; IDLE GEAR	1					
6	2	06.29010-0125	RING ; SNAP 30x2	1					
7	2	65.90030-0009	BOLT ; SOCKET HEAD M10x60	1					

Fig.0540 RELIEF VALVE

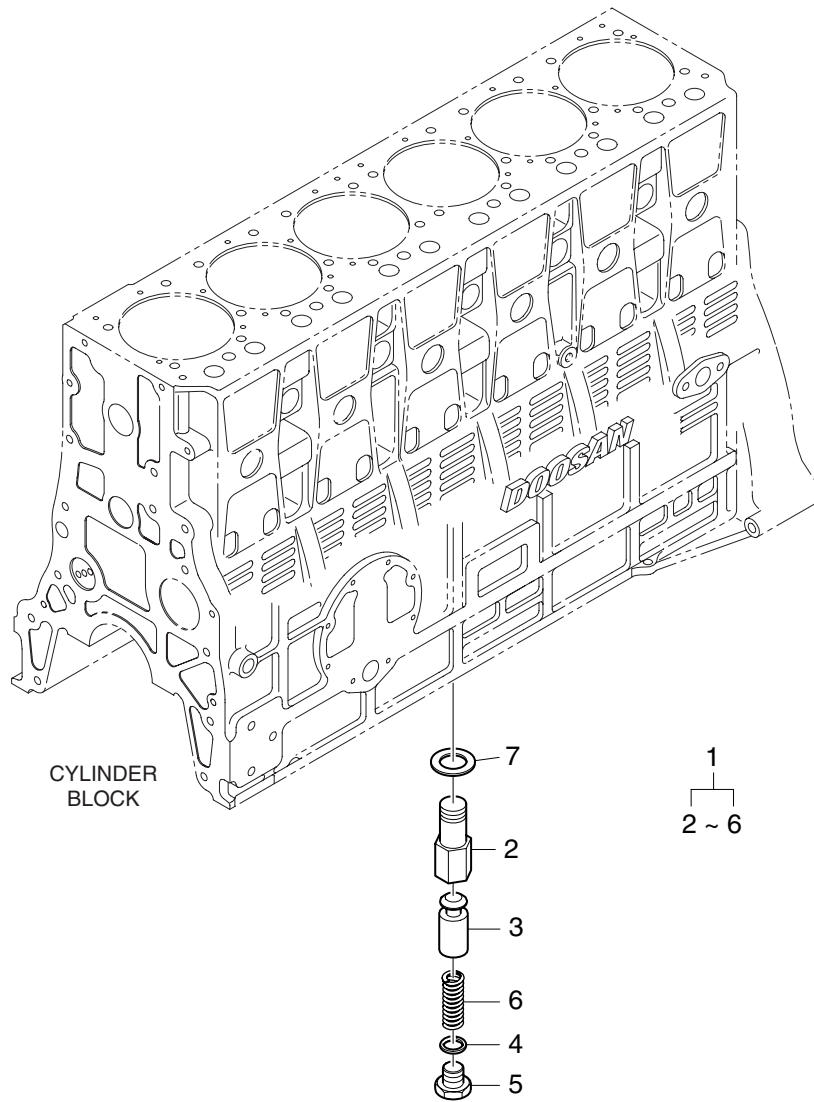


Fig.0540 RELIEF VALVE

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.05405-7021	RELIEF VALVE ASS'Y	1					
2	2	65.05406-0020	HOUSING ; RELIEF VALVE	1					
3	2	65.05410-0015	PLUNGER ; VALVE	1					
4	2	65.90710-0071	WASHER	1					
5	2	65.90310-0056	SCREW ; PLUG	1					
6	2	65.97601-0100	SPRING	1					
7	1	06.56190-0704	RING ; SEAL A12x18	1					

Fig.0550 OIL FILTER

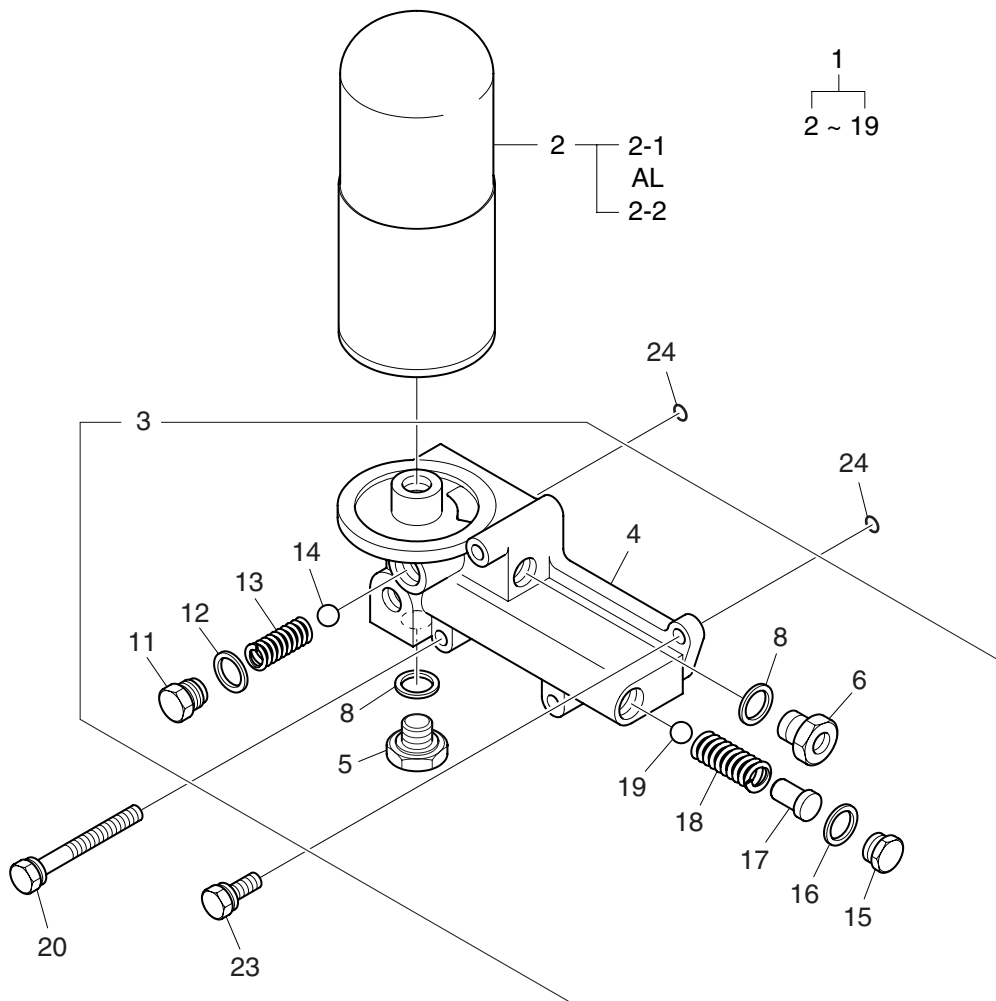


Fig.0550 OIL FILTER

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	400404-00015	ENGINE OIL FILTER ASS'Y	1					
2	2	400508-00005	FILTER CARTRIDGE ASS'Y	1					
2-1	3	65.05510-5020B	FILTER CARTRIDGE ASS'Y	1			AL		
2-2	3	400508-00006	FILTER CARTRIDGE ASS'Y	1			AL		
3	2	65.05503-5038C	OIL FILTER HEAD ASS'Y	1					
4	3	65.05503-0031C	HEAD ; OIL FILTER	1					
5	3	65.90310-0121	SCREW ; PLUG M24x1.5	1					
6	3	06.08062-1208	SCREW ; PLUG M24x1.5	1					
8	3	06.56190-0722	RING ; SEAL A24x29	2					
11	3	65.90310-0115	SCREW ; PLUG	1					
12	3	06.56190-0726	RING ; SEAL A26x31	1					
13	3	65.97601-0075	SPRING	1					
14	3	06.31641-0433	VALVE ; BY-PASS	1					
15	3	65.90310-0034	SCREW ; PLUG M26x1.5	1					
16	3	06.56190-0728	RING ; SEAL A26x32	1					
17	3	06.22230-1214	PIN ; SPRING	1					
18	3	65.97601-0004	SPRING	1					
19	3	06.31641-0433	VALVE ; BY-PASS	1					
20	1	06.01954-3331	BOLT ASS'Y M12x1.5x100	4					
23	1	06.01953-3318	BOLT ASS'Y M12x1.5x35	1					
24	1	65.96501-0061	O-RING	2					

Fig.0560 OIL COOLER

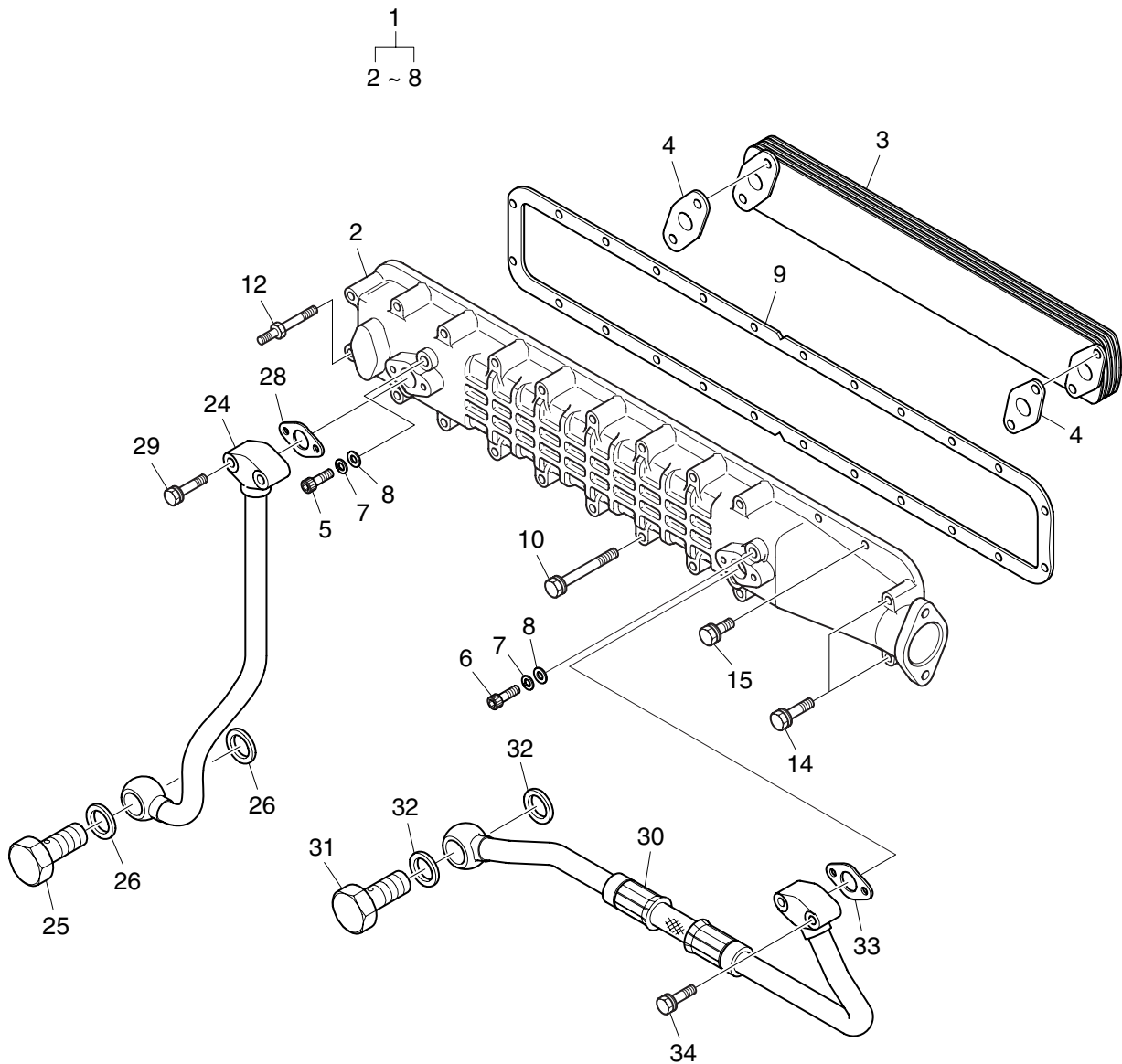


Fig.0560 OIL COOLER

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty	Q'ty	Q'ty			
1	1	400206-00059	COOLER ; OIL	1					
2	2	65.05604-0019B	HOUSING ; OIL COOLER	1					
3	2	400206-00048	ELEMENT ; OIL COOLER	1					
4	2	65.05903-0028	GASKET ; OIL COOLER FLANGE	2					
5	2	06.02090-0512	BOLT ; SOCKET HEAD M10x25	2					
6	2	06.02090-0513	BOLT ; SOCKET HEAD M10x30	2					
7	2	06.16731-2108	WASHER ; SPRING A10	4					
8	2	06.15010-2312	WASHER ; PLAIN 10.5	4					
9	1	65.01907-0008A	GASKET ; WATER CHAMBER COVER	1					
10	1	06.01923-3124	BOLT ASS'Y M8x65	14					
12	1	65.90201-0093	BOLT ; STUD	4					
14	1	06.01923-3122	BOLT ASS'Y M8x55	2					
15	1	06.01923-3115	BOLT ASS'Y M8x25	4					
24	1	65.05701-5325	OIL PIPE ASS'Y	1					
25	1	06.78140-2408	SCREW ; HOLLOW	1					
26	1	06.56190-0727	RING ; SEAL A26x34	2					
28	1	65.05903-0030A	GASKET ; OIL RETURN PIPE	1					
29	1	06.01913-3120	BOLT ASS'Y M8x45	2					
30	1	65.05701-5964A	OIL PIPE ASS'Y	1					
31	1	06.78140-2408	SCREW ; HOLLOW	1					
32	1	06.56190-0728	RING ; SEAL A26x32	2					
33	1	65.05903-0030A	GASKET ; OIL RETURN PIPE	1					
34	1	06.01913-3120	BOLT ASS'Y M8x45	2					

Fig.0580 OIL PAN

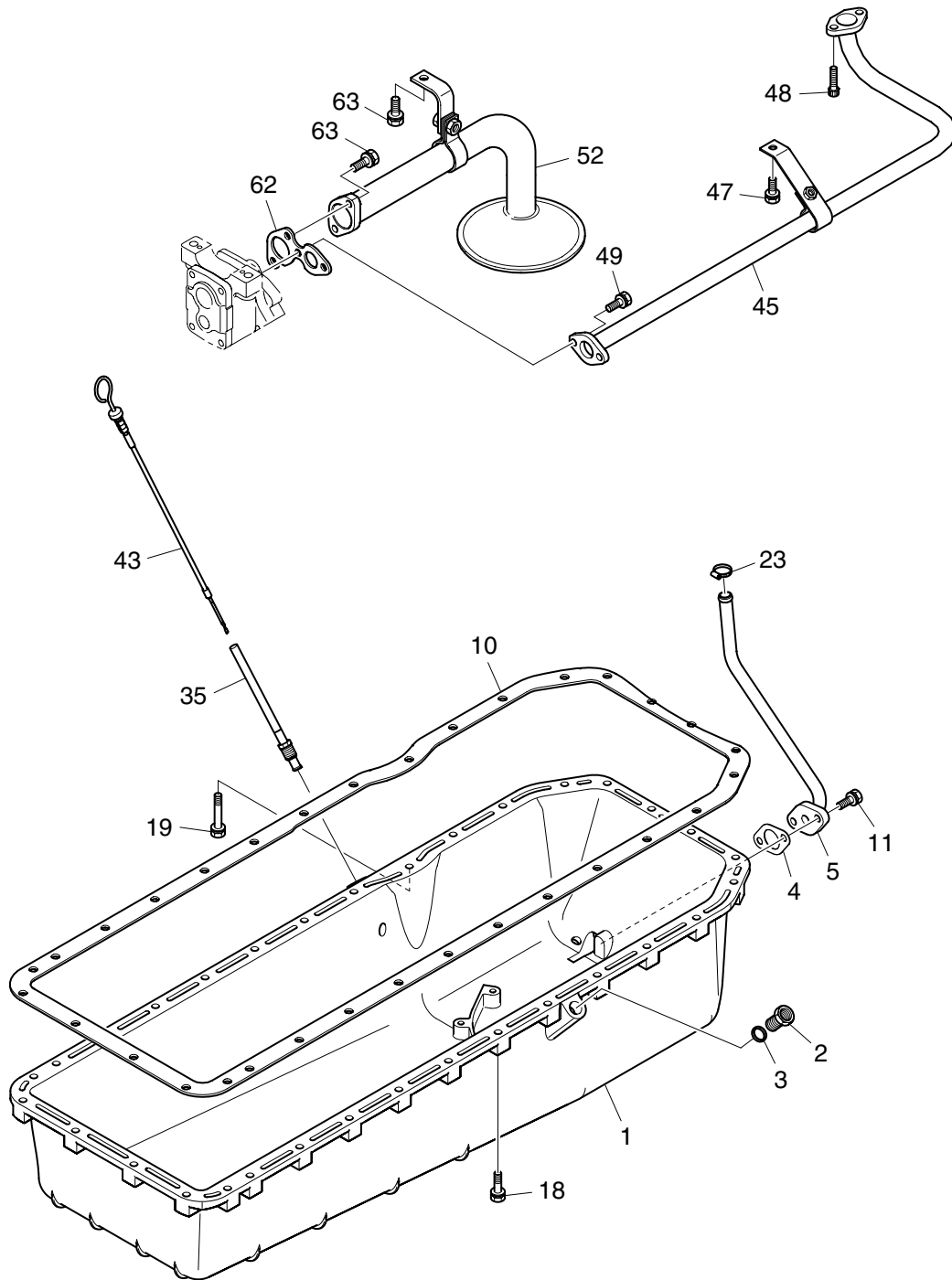


Fig.0580 OIL PAN

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.05801-5208	PAN ; OIL	1					
2	1	06.08092-2406	SCREW ; PLUG M18x1.5	1					
3	1	06.56190-0713	RING ; SEAL A18x24	1					
4	1	65.96601-0051	GASKET ; OIL PIPE FLANGE	1					
5	1	60.05701-5203A	PIPE ; OIL	1					
10	1	65.05904-0096A	GASKET ; OIL PAN	1					
11	1	06.01913-3115	BOLT ASS'Y M8x25	2					
18	1	06.01923-3119	BOLT ASS'Y M8x40	31					
19	1	06.01923-3126	BOLT ASS'Y M8x75	1					
23	1	06.67020-0102	CLAMP ; HOSE	1					
35	1	65.05806-6083	GUIDE TUBE ASS'Y	1					
43	1	65.05805-5164	OIL LEVEL GAUGE ASS'Y	1					
45	1	65.05701-5622A	PIPE ; OIL	1					
47	1	06.01913-3115	BOLT ASS'Y M8x25	1					
48	1	65.90001-6005	SOCKET BOLT ASS'Y	2					
49	1	06.01913-3113	BOLT ASS'Y M8x20	2					
52	1	65.05701-6061A	OIL SUCTION PIPE ASS'Y	1					
62	1	65.05903-0027A	GASKET	1					
63	1	06.01913-3113	BOLT ASS'Y M8x20	4					

Fig.0630 COOLING WATER PIPE

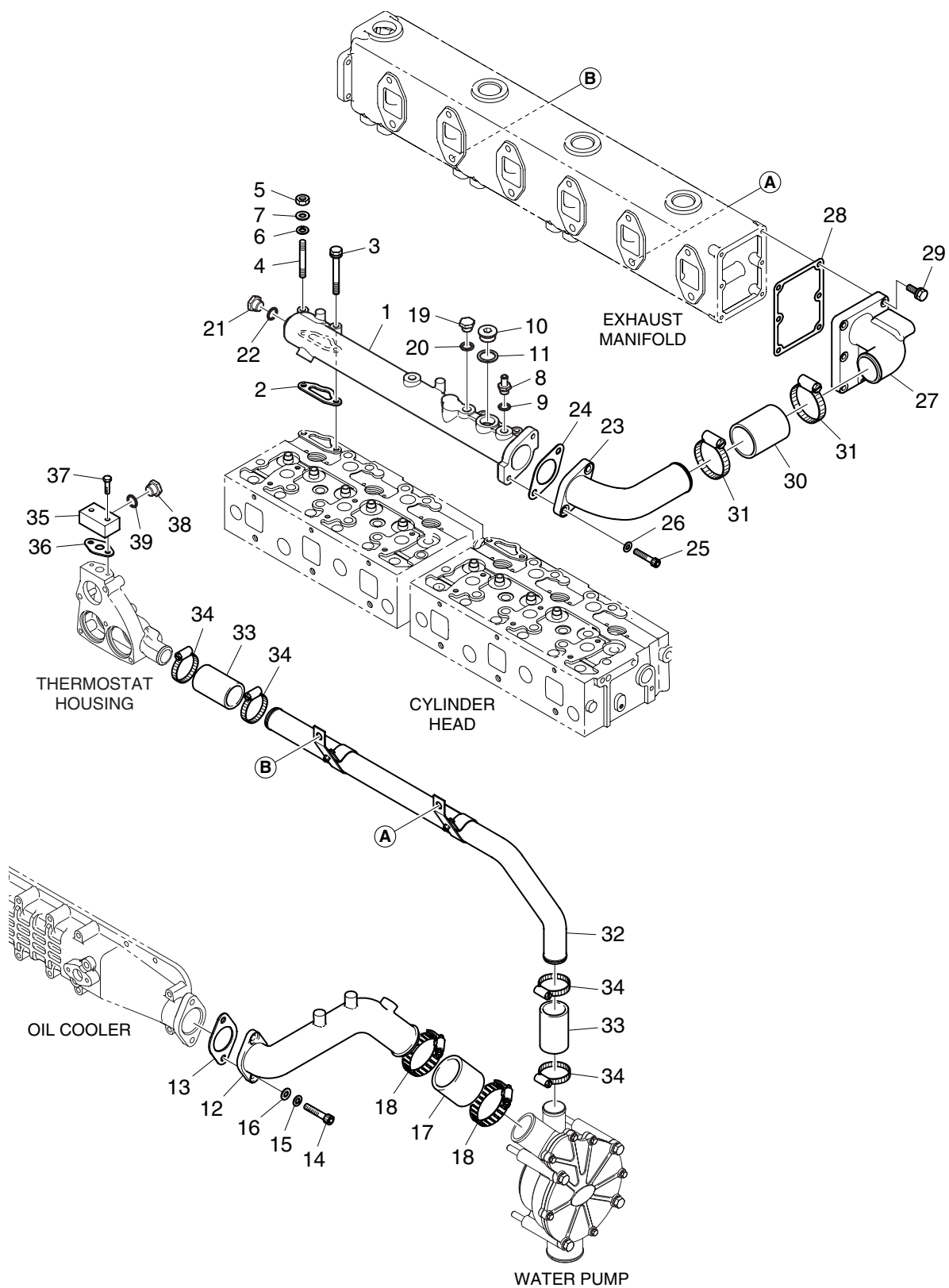


Fig.0630 COOLING WATER PIPE

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.06301-0243	PIPE ; COOLING WATER	1					
2	1	65.06903-0018	GASKET ; COOLING WATER PIPE	2					
3	1	06.01923-3124	BOLT ASS'Y M8x65	2					
4	1	65.90201-0064	BOLT ; STUD M8x60	2					
5	1	06.11063-8214	NUT ; HEX. M8	2					
6	1	06.16731-2107	WASHER ; SPRING A8	2					
7	1	06.15010-2311	WASHER ; PLAIN 8.4	2					
8	1	65.98131-0060	SCREW ; CONNECTING	1					
9	1	06.56190-0706	RING ; SEAL A14x20	1					
10	1	65.90310-0149A	SCREW ; PLUG M26x1.5	1					
11	1	06.56190-0727	RING ; SEAL A26x34	1					
12	1	65.06301-0139	PIPE ; COOLING WATER	1					
13	1	65.06903-0020A	GASKET ; COOLING WATER PIPE	1					
14	1	06.02090-0513	BOLT ; SOCKET HEAD M10x30	2					
15	1	06.16731-2108	WASHER ; SPRING A10	2					
16	1	06.15010-2312	WASHER ; PLAIN 10.5	2					
17	1	65.96301-0264	HOSE ; SILICON D53x80	1					
18	1	65.97440-0099	CLAMP ; HOSE (BAND TYPE)	2					
19	1	06.08092-2405	SCREW ; PLUG M16x1.5	2					
20	1	06.56190-0708	RING ; SEAL A16x22	2					
21	1	06.08092-2406	SCREW ; PLUG M18x1.5	1					
22	1	06.56190-0712	RING ; SEAL A18x22	1					
23	1	60.06301-5378	PIPE ; COOLING WATER	1					
24	1	65.06903-0021A	GASKET ; THERMOSTAT HOUSING	1					
25	1	06.02090-0513	BOLT ; SOCKET HEAD M10x30	2					
26	1	06.15010-2312	WASHER ; PLAIN 10.5	2					
27	1	60.06301-5377	COVER ; EXHAUST MANIFOLD	1					
28	1	60.06903-0030	GASKET	1					
29	1	06.01913-3118	BOLT ASS'Y M8x35	6					
30	1	65.96301-0264	HOSE ; SILICON D53x80	1					
31	1	65.97440-0099	CLAMP ; HOSE (BAND TYPE)	2					
32	1	65.06301-6098	COOLING WATER PIPE ASS'Y	1					
33	1	65.96301-0262	HOSE ; SILICON D38x80	2					
34	1	65.97440-0101	CLAMP ; HOSE (BAND TYPE)	4					
35	1	65.98130-0142	ADAPTER	1					
36	1	65.05903-0030	GASKET	1					
37	1	06.01913-3119	BOLT ASS'Y M8x40	2					
38	1	65.90310-0140	SCREW ; PLUG M16x1.5	1					
39	1	06.56190-0708	RING ; SEAL A16x22	1					

Fig.0640 THERMOSTAT

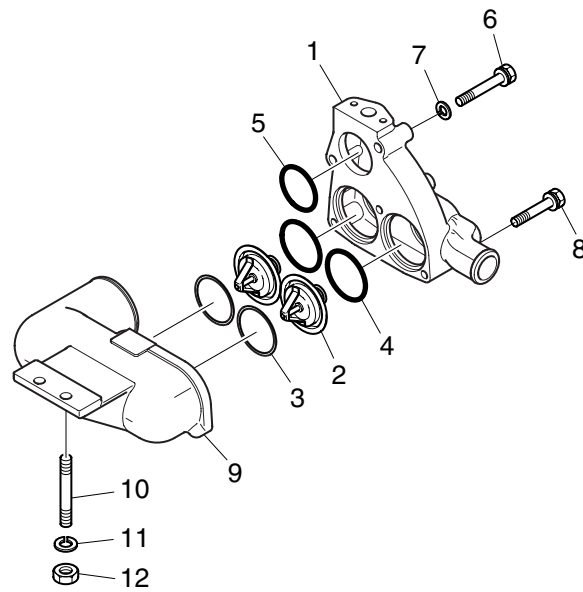


Fig.0640 THERMOSTAT

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty	Q'ty	Q'ty			
1	1	65.06404-0023	HOUSING ; THERMOSTAT	1					
2	1	65.06402-0005	THERMOSTAT ASS'Y	2					
3	1	65.06901A0069	GASKET ; THERMOSTAT	2					
4	1	06.56342-1208	O-RING	2					
5	1	06.56020-0108	O-RING	1					
6	1	06.01913-3223	BOLT ASS'Y M10x60	2					
7	1	06.15010-2312	WASHER ; PLAIN 10.5	2					
8	1	06.01923-3129	BOLT ASS'Y M8x90	3					
9	1	65.06404-5023	HOUSING ; THERMOSTAT	1					
10	1	06.06226-0806	BOLT ; STUD	2					
11	1	06.16731-2108	WASHER ; SPRING A10	2					
12	1	06.11063-8215	NUT ; HEX. M10	2					

Fig.0650 WATER PUMP

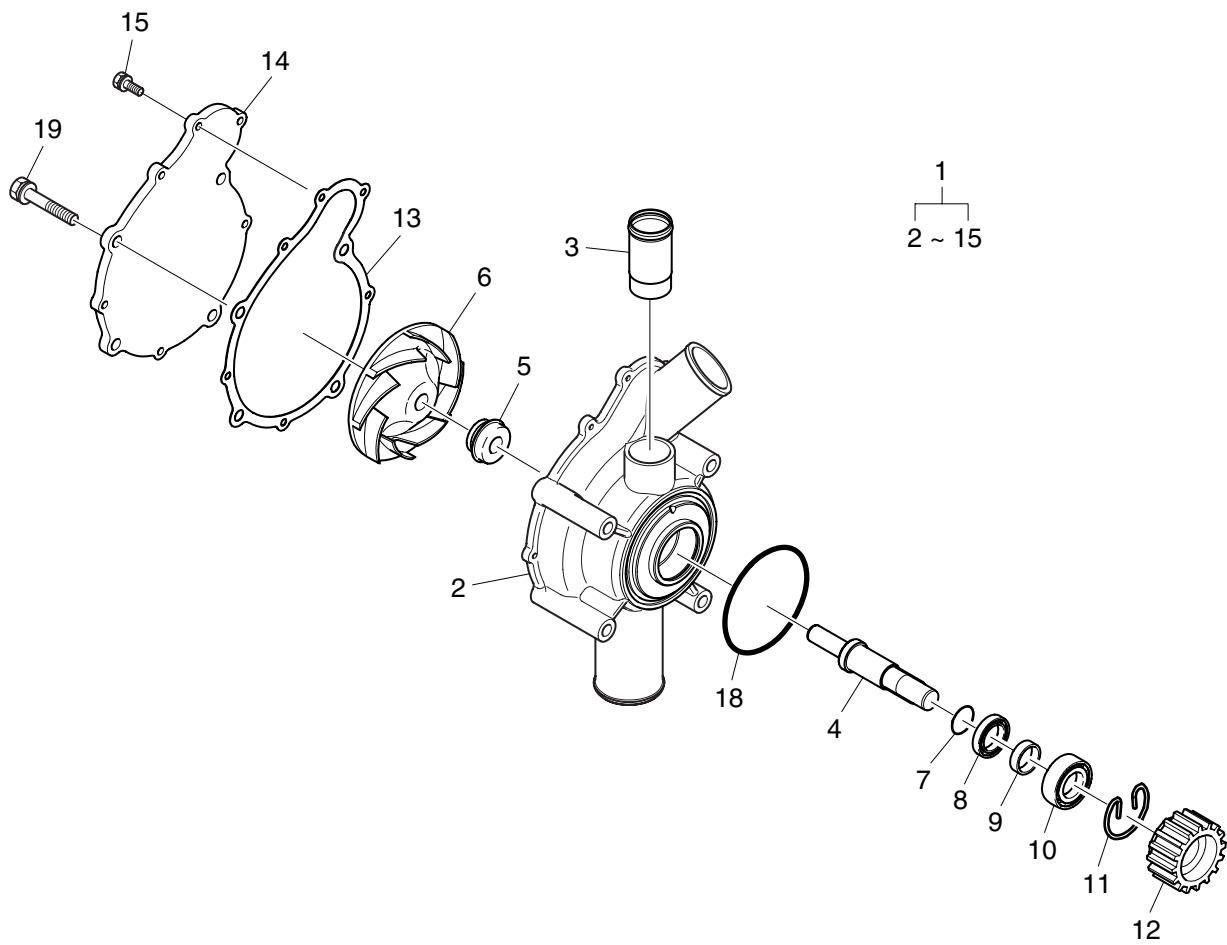


Fig.0650 WATER PUMP

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.06500-6357C	WATER PUMP ASS'Y	1					
2	2	65.06501-0092	HOUSING ; WATER PUMP	1					
3	2	65.06301-0673	PIPE ; COOLING WATER	1					
4	2	65.06505-0027	SHAFT ; WATER PUMP	1					
5	2	65.06520-6008	SEAL ; MECHANICAL	1					
6	2	65.06506-0027	IMPELLER ; WATER PUMP	1					
7	2	65.01510-0103	SEAL ; OIL	1					
8	2	06.31420-4513	BEARING ; BALL	1					
9	2	65.06508-0012	SPACER	1					
10	2	65.93410-0038	BEARING ; WATER PUMP	1					
11	2	06.29020-0131	RING ; SNAP	1					
12	2	65.06507-0005A	GEAR ; WATER PUMP DRIVE	1					
13	2	65.06901-0076	GASKET ; WATER PUMP	1					
14	2	65.06512-0014A	COVER ; WATER PUMP	1					
15	2	06.01913-2914	BOLT ASS'Y M6x22	5					
18	1	65.96501-0068	O-RING	1					
19	1	06.01913-3234	BOLT ASS'Y M10x130	4					

Fig.0660 COOLING FAN

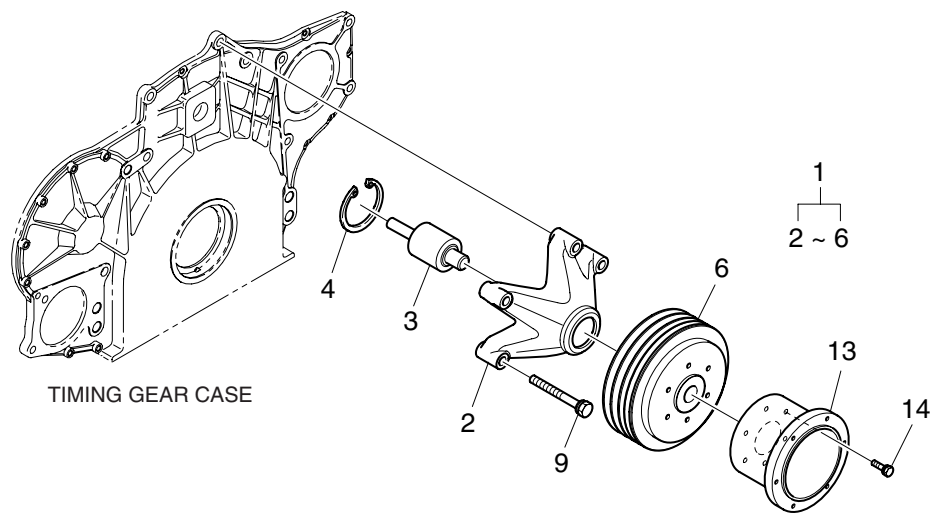


Fig.0660 COOLING FAN

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.06602-6016A	MOUNTING ; FAN	1					
2	2	65.06602-0003	MOUNTING ; FAN	1					
3	2	65.93410-0087	BEARING ; BALL	1					
4	2	06.29020-0132	RING ; SNAP 55x2	1					
6	2	65.06606-0076	PULLEY ; FAN	1					
9	1	06.01943-3332	BOLT ASS'Y M12x1.5x110	4					
13	1	65.06611-0139	FLANGE ; FAN	1					
14	1	06.01913-3117	BOLT ASS'Y M8x30	6					

Fig.0810 EXHAUST MANIFOLD

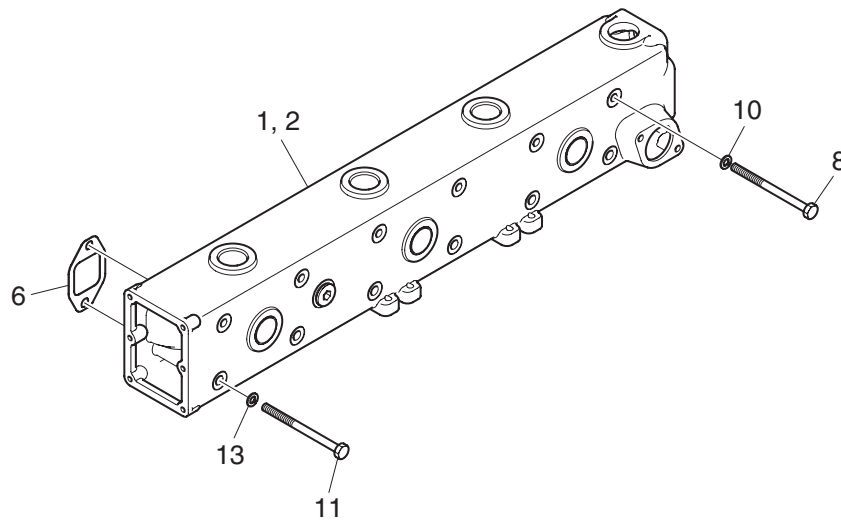


Fig.0810 EXHAUST MANIFOLD

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty	Q'ty	Q'ty			
1	1	65.08101-6005A	EXHAUST MANIFOLD ASS'Y	1					
2	2	65.08101-0210A	MANIFOLD ; EXHAUST	1					
6	1	65.08901-0044	GASKET ; EXHAUST MANIFOLD	6					
8	1	06.01013-9229	BOLT ; HEX. M10x140	6					
10	1	06.16731-2108	WASHER ; SPRING A10	6					
11	1	06.01493-4323	BOLT ; HEX. M12x140	6					
13	1	06.16731-2109	WASHER ; SPRING A12	6					

Fig.0820 INTAKE MANIFOLD

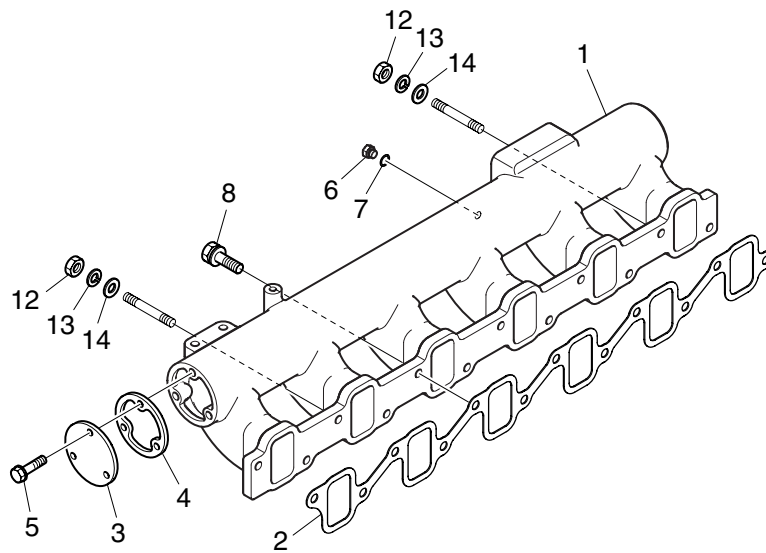


Fig.0820 INTAKE MANIFOLD

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.08201-5049	INTAKE MANIFOLD ASS'Y	1					
2	1	65.08902-0025	GASKET ; INTAKE MANIFOLD	1					
3	1	65.98112-0039	FLANGE	1					
4	1	65.08902-0074	GASKET ; INTAKE MANIFOLD	1					
5	1	06.01913-3120	BOLT ASS'Y M8x45	3					
6	1	65.90310-0033	SCREW ; PLUG M10x1.0	1					
7	1	06.56180-0714	RING ; SEAL A10x15	1					
8	1	06.01923-3218	BOLT ASS'Y M10x35	8					
12	1	06.11063-8215	NUT ; HEX. M10	2					
13	1	06.16731-2108	WASHER ; SPRING A10	2					
14	1	06.15010-2312	WASHER ; PLAIN 10.5	2					

Fig.0910 TURBO CHARGER

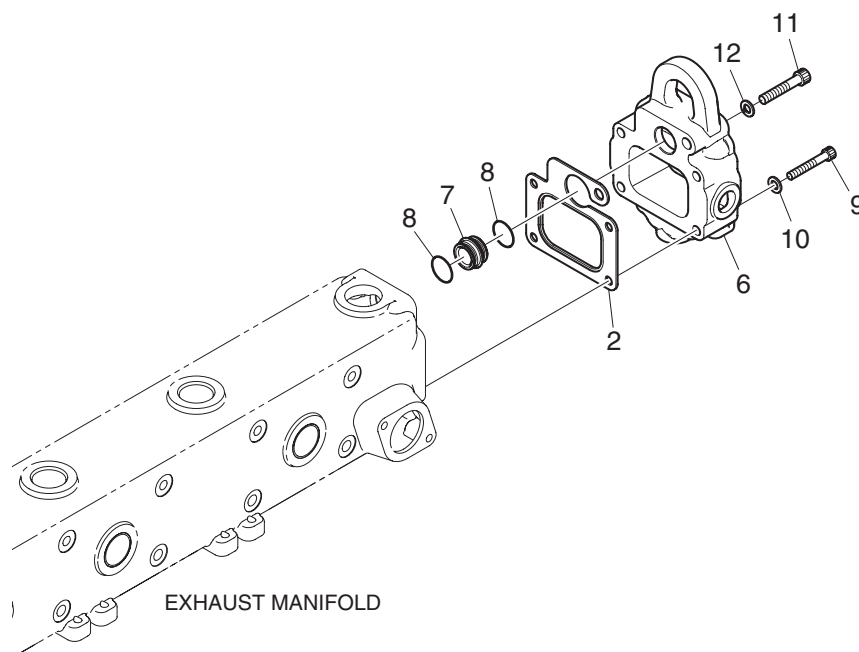


Fig.0910 TURBO CHARGER

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty					
2	1	65.08901-0029	GASKET ; EXHAUST MANIFOLD	1					
6	1	65.08105-6001	RING ; INTERMEDIATE	1					
7	1	65.06301-0215	PIPE ; COOLING WATER	1					
8	1	06.56026-0101	O-RING	2					
9	1	06.02090-0520	BOLT ; SOCKET HEAD M10x55	4					
10	1	06.16110-0107	WASHER ; SPRING A10	4					
11	1	06.02101-0620	BOLT ; SOCKET HEAD M12x1.5x55	1					
12	1	06.16110-0108	WASHER ; SPRING	1					

Fig.0950 INTER COOLER

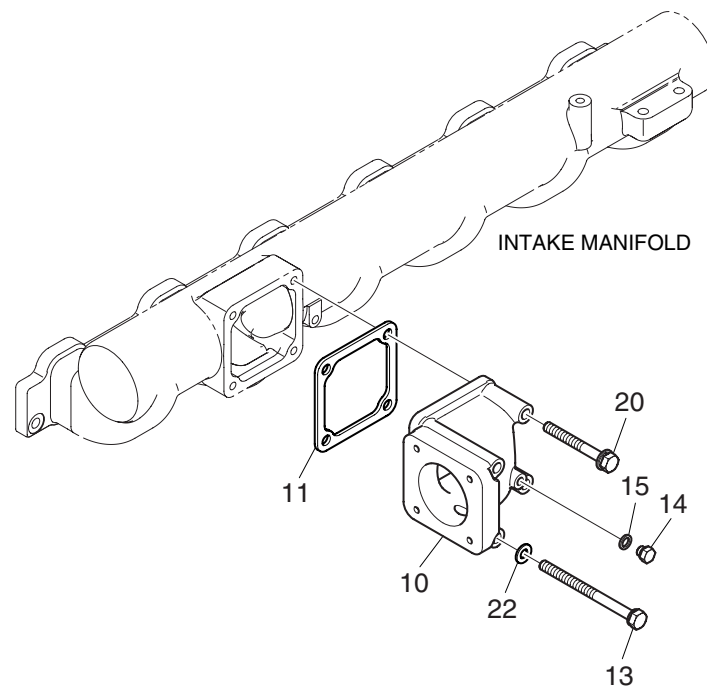


Fig.0950 INTER COOLER

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
10	1	65.08202-5070	STAKE ; INTAKE	1					
11	1	60.08904-0001	GASKET ; INTER COOLER	1					
13	1	06.01913-3234	BOLT ASS'Y M10x130	2					
14	1	65.90310-0033	SCREW ; PLUG M10x1.0	1					
15	1	06.56180-0714	RING ; SEAL A10x15	1					
20	1	06.01923-3228	BOLT ASS'Y M10x85	2					
22	1	06.15010-2312	WASHER ; PLAIN 10.5	2					

Fig.1130 INJECTION PUMP DRIVE

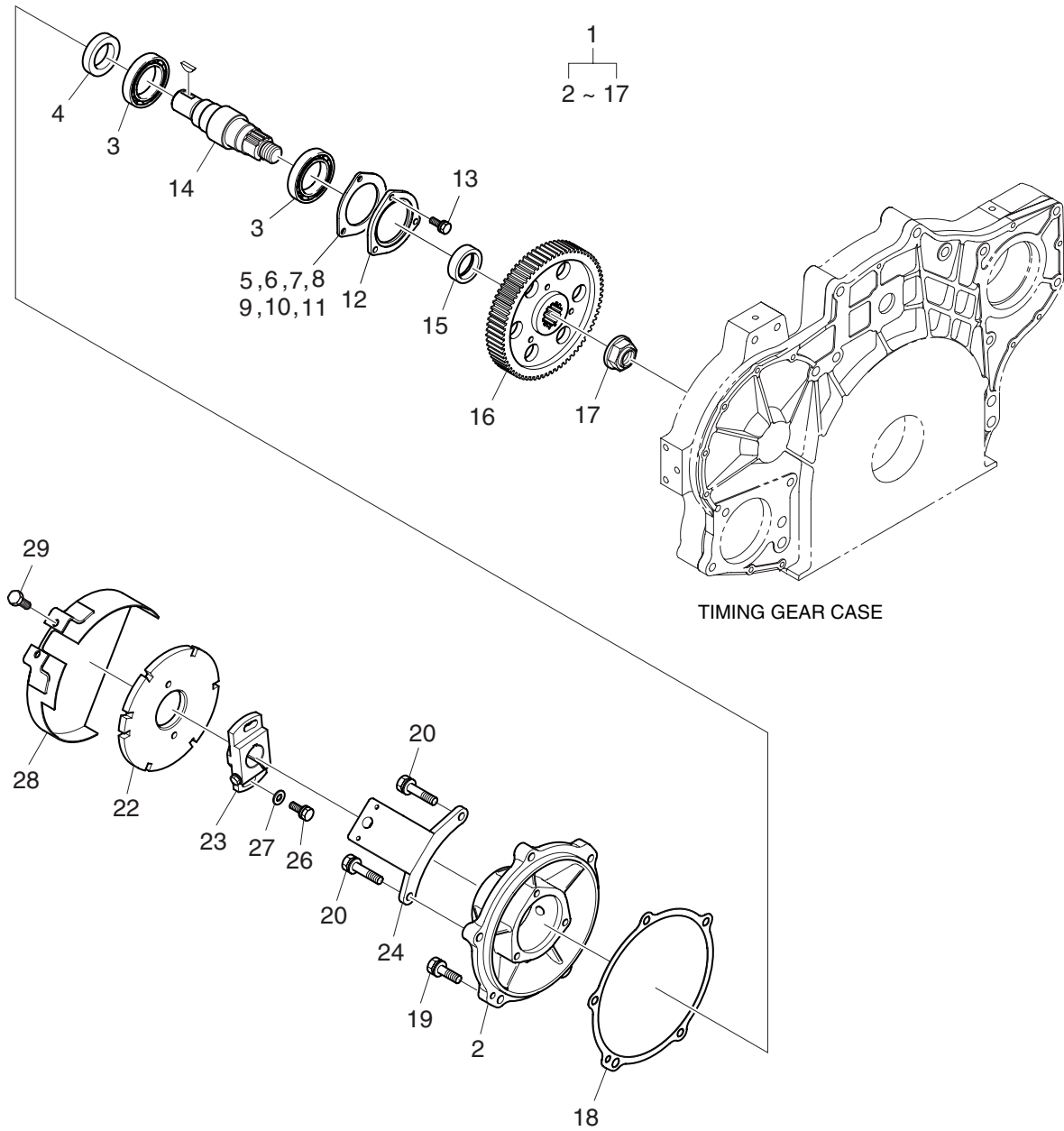


Fig.1130 INJECTION PUMP DRIVE

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.11301-7019A	INJECTION PUMP DRIVE ASS'Y	1					
2	2	65.11309-0011C	HOUSING ; INJECTION PUMP DRIVE	1					
3	2	06.32092-0308	BEARING ; TAPER ROLLER	2					
4	2	65.01510-0038	SEAL ; OIL	1					
5	2	65.11308-0062	SHIM (0.30MM)	1			R		
6	2	65.11308-0050	SHIM (0.20MM)	1			R		
7	2	65.11308-0049	SHIM (0.15MM)	1			R		
8	2	65.11308-0048	SHIM (0.10MM)	1			R		
9	2	65.11308-0064	SHIM (0.08MM)	1			R		
10	2	65.11308-0066	SHIM (0.06MM)	1			R		
11	2	65.11308-0067	SHIM (0.05MM)	1			R		
12	2	65.11312-0008	COVER ; INJECTION PUMP DRIVE	1					
13	2	06.01913-3115	BOLT ASS'Y M8x25	3					
14	2	65.11302-0019A	SHAFT ; INJECTION PUMP DRIVE	1					
15	2	65.91701-0219	SPACER	1					
16	2	65.11301-0026A	GEAR ; INJECTION PUMP DRIVE	1					
17	2	65.90640-0021	NUT ; LOCK	1					
18	1	65.11902-0017	GASKET	1					
19	1	65.90020-0079	BOLT ; COLLARED HEX.	1					
20	1	65.90020-0080	BOLT ; COLLARED HEX.	2					
22	1	65.27113-0006	WHEEL ; TIMING	1					
23	1	65.27150-6001	TRIGGER COUPLING ASS'Y	1					
24	1	65.27150-5001A	BRACKET	1					
26	1	06.01913-3215	BOLT ASS'Y M10x25	2					
27	1	06.15010-2312	WASHER ; PLAIN 10.5	2					
28	1	65.27107-5002	COVER ; TACHOMETER	1					
29	1	06.01913-2910	BOLT ; HEX. M6x12	2					

Fig.1910 ALTERNATOR MOUNTING

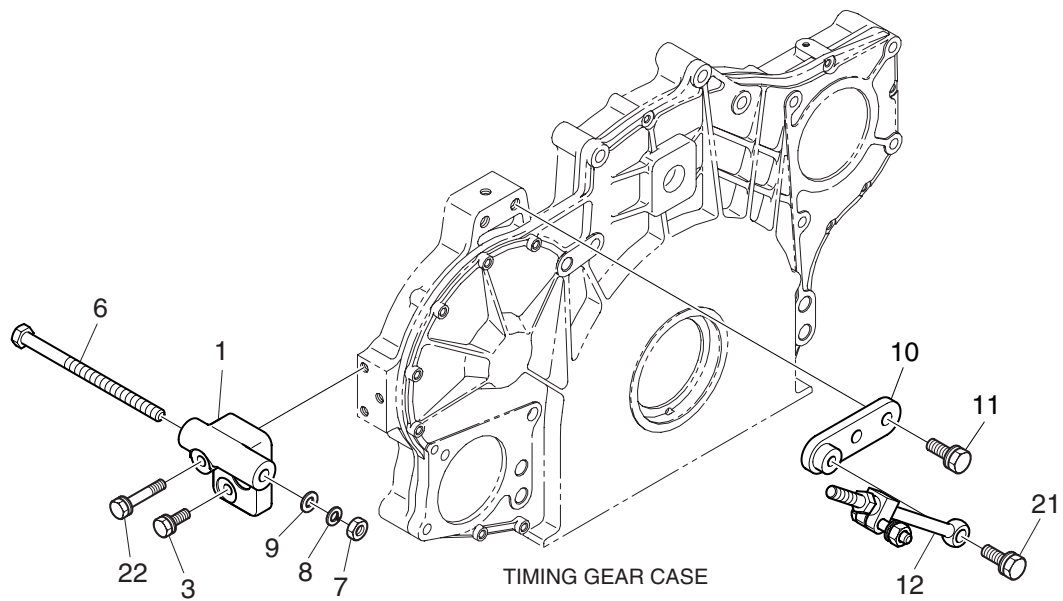


Fig.1910 ALTERNATOR MOUNTING

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.19102-0097	BRACKET ; ALTERNATOR MOUNTING	1					
3	1	06.01923-3217	BOLT ASS'Y M10x30	2					
6	1	06.01494-4327	BOLT ; HEX.	1					
7	1	06.11063-9216	NUT ; HEX. M12x1.5	1					
8	1	06.16731-6109	WASHER ; SPRING A12	1					
9	1	06.15010-2313	WASHER ; PLAIN 12	2					
10	1	65.19103-5052	SUPPORT ; ALTERNATOR	1					
11	1	06.01943-3317	BOLT ASS'Y M12x1.5x30	2					
12	1	65.19103-6011A	EYE BOLT ASS'Y	1					
21	1	06.01943-3317	BOLT ASS'Y M12x1.5x30	1					
22	1	06.01923-3225	BOLT ASS'Y M10x70	1					

Fig.2550 SENSOR & SWITCH

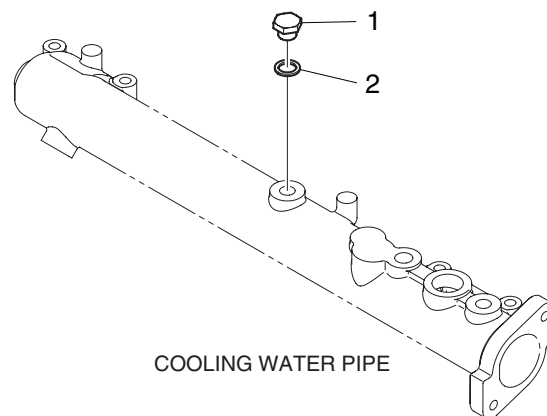


Fig.2550 SENSOR & SWITCH

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	06.08092-2404	SCREW ; PLUG M14x1.5	1					
2	1	06.56190-0706	RING ; SEAL A14x20	1					

Fig.2610 ALTERNATOR

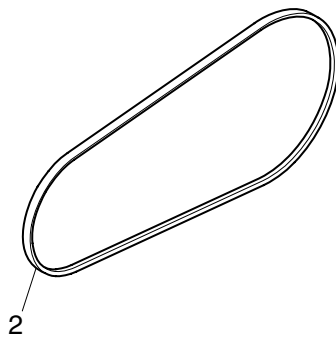


Fig.2610 ALTERNATOR

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
2	1	65.96801-0205	V-BELT	1					

Fig.2620 STARTER

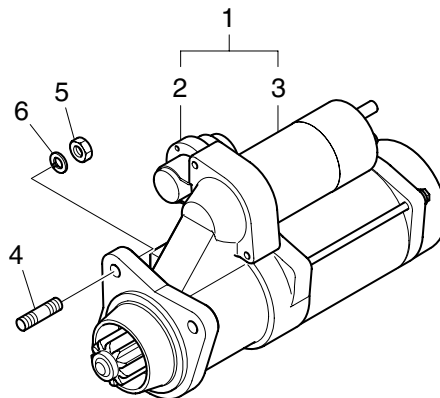


Fig.2620 STARTER

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				Q'ty	Q'ty	Q'ty			
1	1	65.26201-7070D	STARTER	1					
2	2	65.26212-0006	RELAY	1					
3	2	65.26214-0005	MAGNETIC SWITCH ASS'Y	1					
4	1	06.06225-0808	BOLT ; STUD M10x30	3					
5	1	06.11063-8215	NUT ; HEX. M10	3					
6	1	06.16731-2108	WASHER ; SPRING A10	3					

Fig.2740 SENSOR & SWITCH

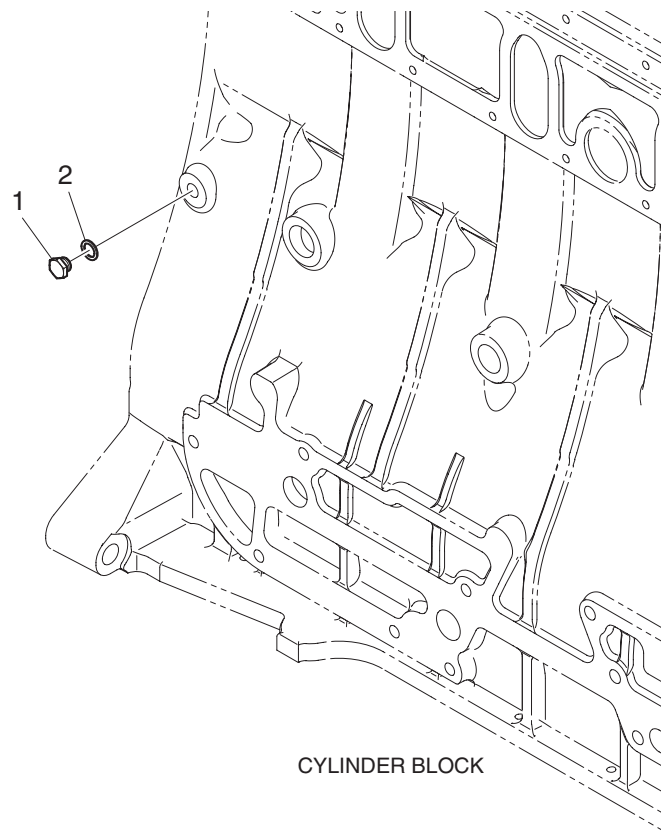


Fig.2740 SENSOR & SWITCH

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	06.08092-2403	SCREW ; PLUG M12x1.5	1					
2	1	06.56190-0704	RING ; SEAL A12x18	1					

Fig.2900 ELECTRIC IGNITION SYSTEM

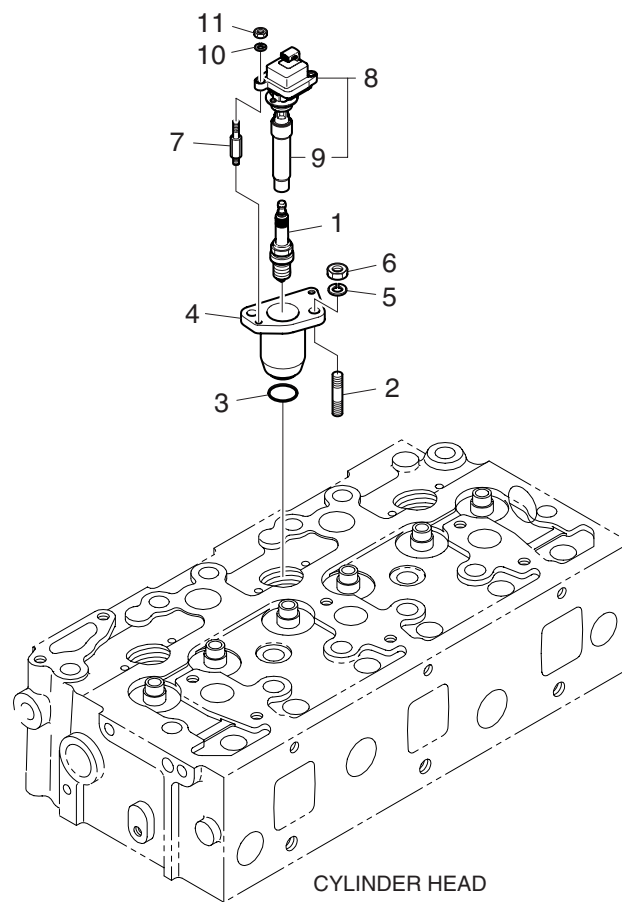


Fig.2900 ELECTRIC IGNITION SYSTEM

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	65.10701-6002A	PLUG ; SPARK	6					
2	1	65.90201-0064	BOLT ; STUD M8x60	12					
3	1	65.03903-0002	GASKET	6					
4	1	65.03130-0002	COVER	6					
5	1	06.16731-2107	WASHER ; SPRING A8	12					
6	1	06.11063-8214	NUT ; HEX. M8	12					
7	1	65.90201-0078	BOLT ; SPACER	12					
8	1	65.29003-6002	COIL ; IGNITION	6					
9	2	65.29003-0001	TUBE ; IGNITION COIL	1					
10	1	06.16731-2104	WASHER ; SPRING A5	12					
11	1	06.11060-8211	NUT ; HEX. M5x0.8	12					

Fig.4150 ENGINE MOUNTING

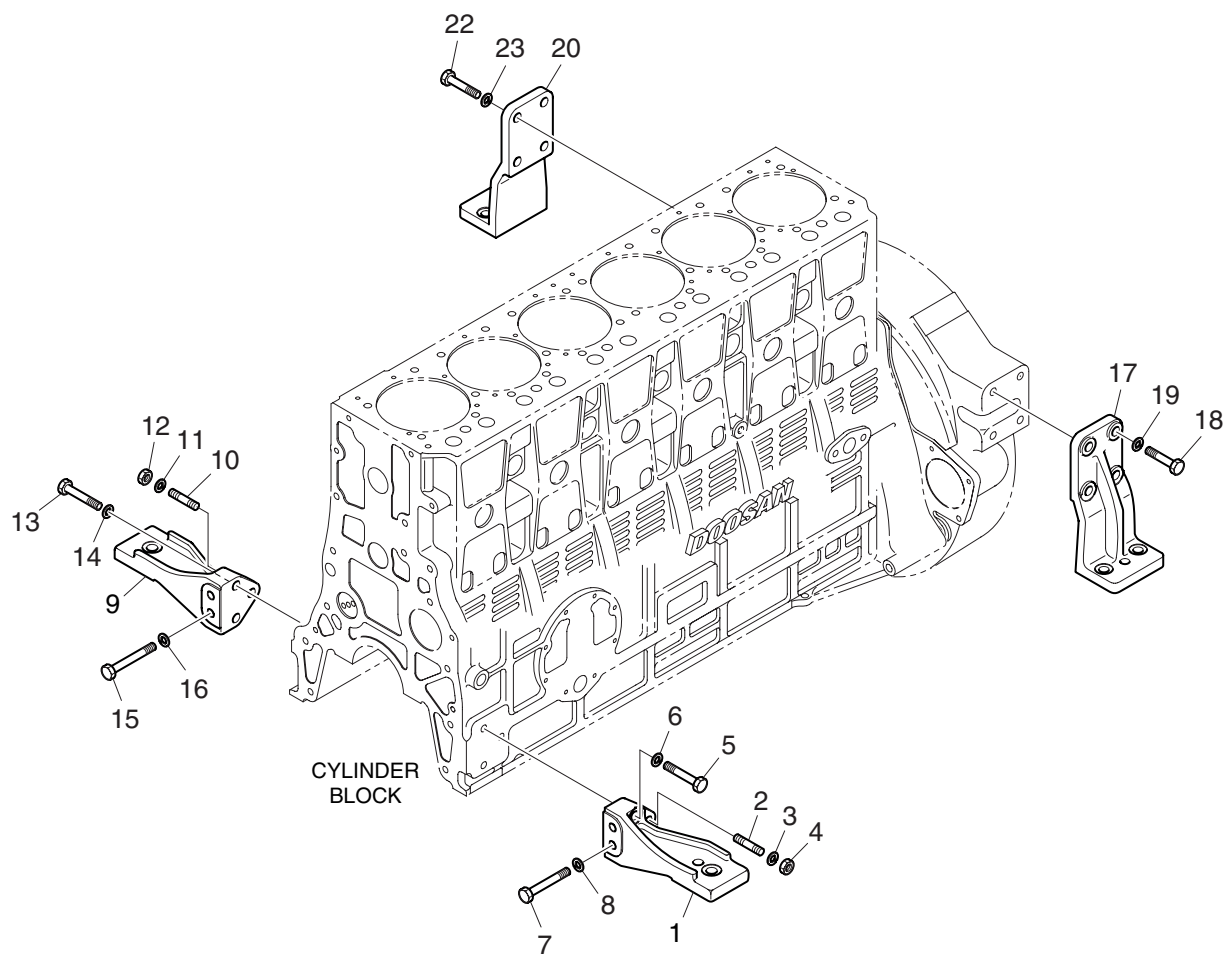


Fig.4150 ENGINE MOUNTING

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	60.41530-0019A	MOUNTING ; ENGINE	1					
2	1	65.90201-0058	BOLT ; STUD M14x1.5x45	1					
3	1	06.16731-2110	WASHER ; SPRING A14	1					
4	1	06.11063-9217	NUT ; HEX.	1					
5	1	06.01494-4410	BOLT ; HEX. M14x1.5x55	2					
6	1	06.16731-2110	WASHER ; SPRING A14	2					
7	1	06.01494-4414	BOLT ; HEX. M14x1.5x75	2					
8	1	06.16731-2110	WASHER ; SPRING A14	2					
9	1	60.41530-0018A	MOUNTING ; ENGINE	1					
10	1	65.90201-0058	BOLT ; STUD M14x1.5x45	1					
11	1	06.16731-2110	WASHER ; SPRING A14	1					
12	1	06.11063-9217	NUT ; HEX.	1					
13	1	06.01494-4410	BOLT ; HEX. M14x1.5x55	2					
14	1	06.16731-2110	WASHER ; SPRING A14	2					
15	1	06.01494-4416	BOLT ; HEX. M14x1.5x85	2					
16	1	06.16731-2110	WASHER ; SPRING A14	2					
17	1	65.41510-0020	BRACKET ; REAR MOUNTING	1			S		
18	1	06.01494-4408	BOLT ; HEX. M14x1.5x45	4					
19	1	06.16731-2110	WASHER ; SPRING A14	4					
20	1	65.41510-0020	BRACKET ; REAR MOUNTING	1			S		
22	1	06.01494-4408	BOLT ; HEX. M14x1.5x45	4					
23	1	06.16731-2110	WASHER ; SPRING A14	4					

Fig.4710 POWER STEERING PUMP

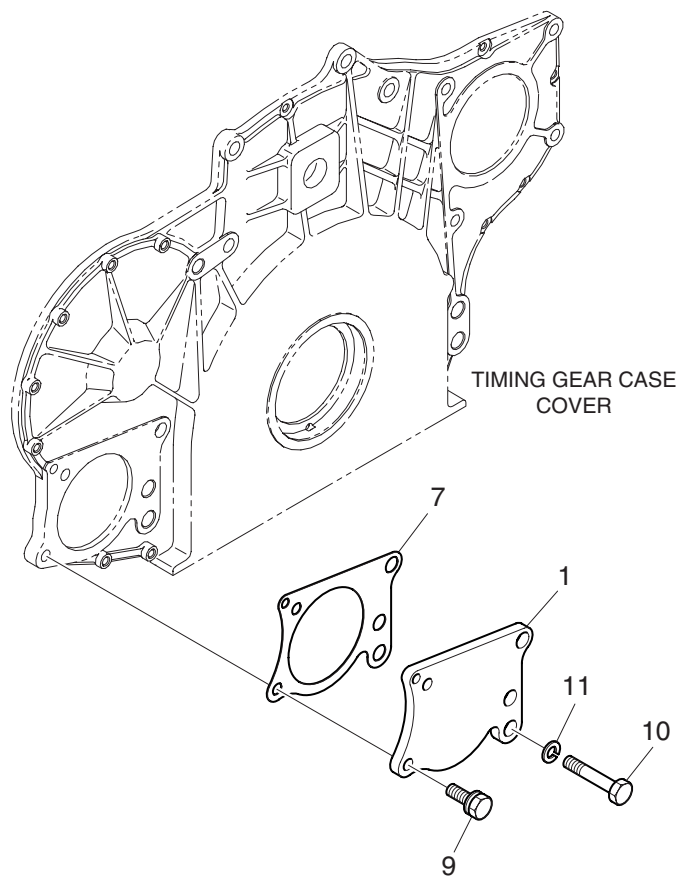


Fig.4710 POWER STEERING PUMP

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T I					
1	1	60.91601-0010	COVER	1					
7	1	65.47901-0010	GASKET ; POWER STEERING PUMP	1					
9	1	06.01914-3219	BOLT ASS'Y M10x40	2					
10	1	06.01014-9221	BOLT ; HEX. M10x80	1					
11	1	06.16731-2108	WASHER ; SPRING A10	1					

Fig.5410 AIR COMPRESSOR

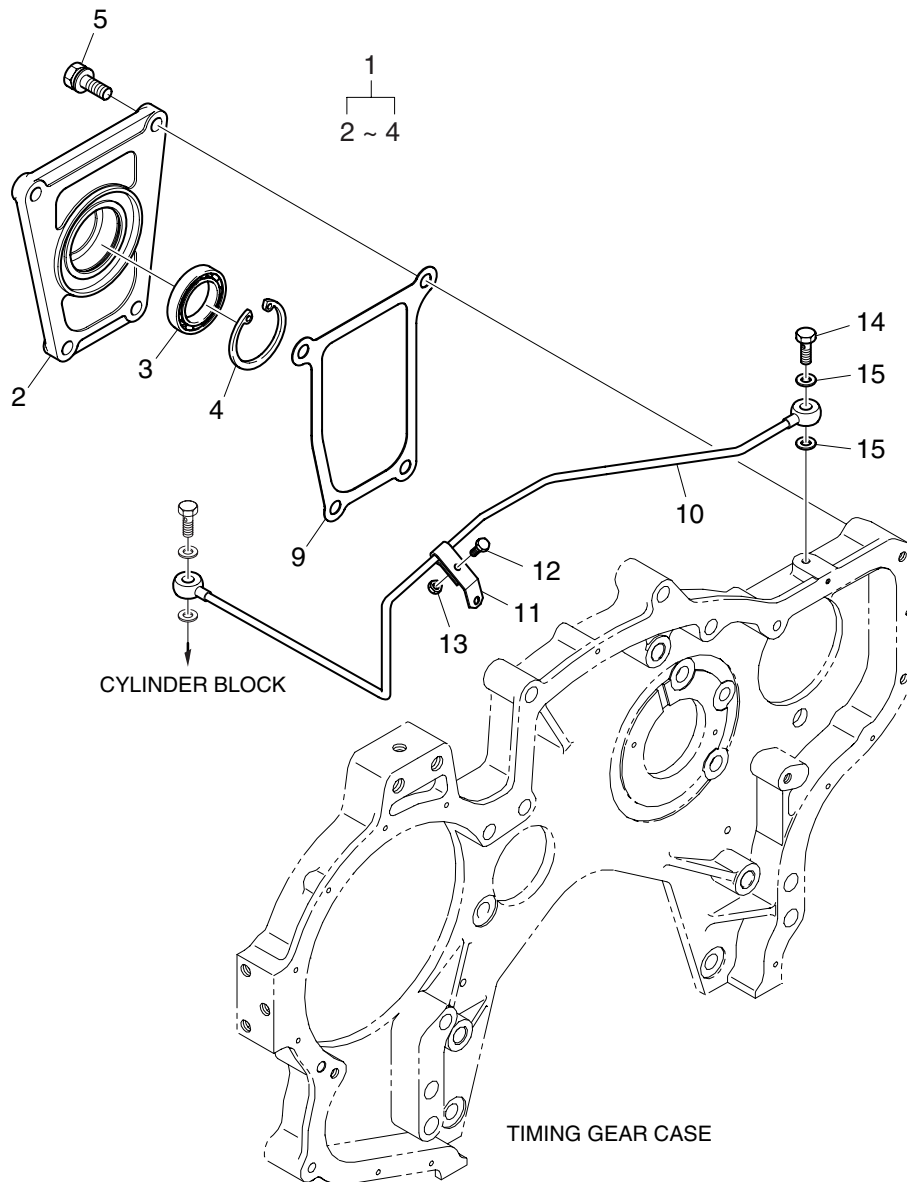


Fig.5410 AIR COMPRESSOR

Find No	Level	Part No	Part Name	Q'ty			S/C	ICA	Remarks
				GE 12 T					
1	1	65.91601-6005	COVER ; END	1					
2	2	65.91601-0010	COVER ; END	1					
3	2	06.31440-0312	BEARING ; BALL	1					
4	2	06.29020-0131	RING ; SNAP	1					
5	1	06.01924-3217	BOLT ASS'Y M10x30	4					
9	1	65.54901-0025A	GASKET ; AIR COMPRESSOR	1					
10	1	65.05701-5361	PIPE ; OIL	1					
11	2	65.97401-0152	CLIP ; PIPE	1					
12	2	06.01913-2910	BOLT ; HEX. M6x12	1					
13	2	06.11063-8212	NUT ; HEX. M6	1					
14	1	65.98150-0056	SCREW ; HOLLOW	1					
15	1	06.56180-0712	RING ; SEAL A8x14	2					

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Part No	Fig. No	Find No	Part No	Fig. No	Find No	Part No	Fig. No	Find No
06.01013-9118	0510	11	06.01923-3122	0560	14	06.11063-9217	4150	12
06.01013-9215	0510	18	06.01923-3124	0560	10	06.15010-2311	0420	16
06.01013-9221	0420	17		0630	3		0630	7
06.01013-9229	0810	8	06.01923-3126	0580	19	06.15010-2312	0560	8
06.01014-9221	4710	10	06.01923-3129	0640	8		0630	16
06.01015-9220	0450	9	06.01923-3217	1910	3		0630	26
06.01283-7112	0420	15	06.01923-3218	0820	8		0640	7
06.01493-4315	0130	15	06.01923-3225	1910	22		0820	14
06.01493-4323	0810	11	06.01923-3228	0950	20		0950	22
06.01494-4327	1910	6	06.01924-3217	5410	5		1130	27
06.01494-4408	0230	5	06.01943-3317	0130	5	06.15010-2313	0130	16
	0310	45		1910	11		1910	9
	4150	18		1910	21	06.16044-0208	0110	32
	4150	22	06.01943-3320	0130	6	06.16050-0311	0510	15
06.01494-4410	4150	5	06.01943-3332	0660	9	06.16110-0107	0910	10
	4150	13	06.01953-3318	0550	23	06.16110-0108	0910	12
06.01494-4414	4150	7	06.01953-3326	0130	14	06.16731-2104	2900	10
06.01494-4416	4150	15	06.01954-3331	0550	20	06.16731-2107	0630	6
06.01734-4411	0310	42	06.02074-0317	0140	8		2900	5
06.01913-2910	1130	29	06.02090-0512	0560	5	06.16731-2108	0420	18
	5410	12	06.02090-0513	0560	6		0450	10
06.01913-2914	0650	15		0630	14		0560	7
06.01913-3113	0580	49		0630	25		0630	15
	0580	63	06.02090-0520	0910	9		0640	11
06.01913-3115	0580	11	06.02101-0620	0910	11		0810	10
	0580	47	06.02106-0622	0260	3		0820	13
	1130	13	06.06225-0808	2620	4		2620	6
06.01913-3117	0660	14	06.06226-0806	0640	10		4710	11
06.01913-3118	0630	29	06.08062-1208	0550	6	06.16731-2109	0130	17
06.01913-3119	0630	37	06.08092-0204	0110	33		0810	13
06.01913-3120	0560	29	06.08092-2403	0110	19	06.16731-2110	0140	9
	0560	34		2740	1		0230	6
	0820	5	06.08092-2404	2550	1		0310	43
06.01913-3215	0130	7	06.08092-2405	0630	19		0310	46
	1130	26	06.08092-2406	0580	2		4150	3
06.01913-3217	0310	41		0630	21		4150	6
06.01913-3223	0640	6	06.11053-9217	0510	16		4150	8
06.01913-3234	0650	19	06.11060-8211	2900	11		4150	11
	0950	13	06.11063-8212	5410	13		4150	14
06.01914-3119	0450	3	06.11063-8214	0630	5		4150	16
06.01914-3219	4710	9		2900	6		4150	19
06.01923-2914	0130	12	06.11063-8215	0640	12		4150	23
06.01923-2917	0130	13		0820	12	06.16731-6109	1910	8
06.01923-3113	0110	28		2620	5	06.22022-0907	0510	5
	0340	9	06.11063-8217	0140	10		0510	17
06.01923-3115	0560	15	06.11063-9216	1910	7	06.22022-0909	0310	38
06.01923-3119	0580	18	06.11063-9217	4150	4	06.22022-0912	0210	5

Part No	Fig. No	Find No	Part No	Fig. No	Find No	Part No	Fig. No	Find No
06.22022-1010	0230	4	06.78140-2408	0560	31	65.01401-0194J	0140	1-1
06.22022-1014	0130	3	150107-00186	0210	2	65.01510-0038	1130	4
	0440	4	150107-00187	0210	3	65.01510-0103	0650	7
06.22230-1214	0550	17	150107-00188	0210	1	65.01510-0157	0130	19
06.29010-0120	0420	11	150113-00044	0310	1	65.01510-0158	0140	17
06.29010-0125	0520	6	150113-00045	0310	14	65.01601-0008	0110	12
06.29020-0127	0250	8	150114-00026	0140	1-2	65.01601-6002	0110	29
06.29020-0131	0650	11	150114-00070	0140	1	65.01801-5099C	0340	7
	5410	4	400206-00048	0560	3	65.01810-5011	0340	17
06.29020-0132	0520	4	400206-00059	0560	1	65.01903-0048B	0130	4
	0660	4	400404-00015	0550	1	65.01903-0050	0130	11
06.29141-0207	0510	14	400508-00005	0550	2	65.01904-0022A	0140	6
06.31420-0314	0520	3	400508-00006	0550	2-2	65.01907-0008A	0560	9
06.31420-4513	0650	8	60.05701-5203A	0580	5	65.02115-0008B	0210	4
06.31440-0312	5410	3	60.06301-5377	0630	27	65.02201-7032	0220	1
06.31641-0433	0550	14	60.06301-5378	0630	23	65.02201-7033	0220	2
	0550	19	60.06903-0030	0630	28	65.02201-7034	0220	3
06.32092-0308	1130	3	60.08904-0001	0950	11	65.02301-0199A	0230	2
06.56020-0108	0640	5	60.41530-0018A	4150	9	65.02301-5052	0230	1
06.56026-0101	0910	8	60.41530-0019A	4150	1	65.02310-0011A	0230	3
06.56180-0712	5410	15	60.91601-0010	4710	1	65.02401-0045H	0240	3
06.56180-0714	0820	7	65.01101-0212D	0110	2	65.02401-6012H	0240	1
	0950	15	65.01101-6212F	0110	1	65.02405-1006	0240	5
06.56190-0703	0110	20	65.01105-1157H	0110	8	65.02410-6106	0240	7
06.56190-0704	0540	7	65.01105-1158G	0110	7	65.02501-0602B	0250	1
	2740	2	65.01105-1159G	0110	9	65.02502-0013	0250	6
06.56190-0706	0110	34	65.01105-1161B	0110	6	65.02502-0108	0250	7
	0630	9	65.01110-6055A	0210	6	65.02502-0208	0250	5
	2550	2	65.01110-6068A	0210	7	65.02503-0125	0250	3
06.56190-0708	0630	20	65.01110-6069A	0210	8	65.02503-0674	0250	2
	0630	39	65.01110-6070A	0210	9	65.02503-0675B	0250	4
06.56190-0709	0110	16	65.01110-6071A	0210	10	65.02601-0245	0260	1
06.56190-0712	0110	22	65.01150-0017A	0210	11	65.03101-1070	0310	2
	0630	22	65.01150-0018B	0210	16	65.03101-1071	0310	15
06.56190-0713	0580	3	65.01150-0048A	0210	12	65.03130-0002	2900	4
06.56190-0718	0110	18	65.01150-0049A	0210	13	65.03201-1062	0310	5
06.56190-0722	0550	8	65.01150-0050A	0210	14		0310	18
06.56190-0726	0110	36	65.01150-0051A	0210	15	65.03203-1038A	0310	4
	0550	12	65.01150-0052B	0210	17		0310	17
06.56190-0727	0560	26	65.01150-0053B	0210	18	65.03203-1061	0310	3
	0630	11	65.01150-0054B	0210	19		0310	16
06.56190-0728	0550	16	65.01150-0055B	0210	20	65.03205-0005	0310	6
	0560	32	65.01201-0311C	0110	25		0310	19
06.56342-1208	0640	4	65.01304-0023C	0130	1	65.03401-0048D	0340	2
06.67020-0102	0580	23	65.01305-5040	0130	8	65.03401-6046D	0340	1
06.67020-0105	0340	16	65.01305-5041	0130	9	65.03901-0075	0310	35
06.78140-2408	0560	25	65.01305-5049G	0130	10	65.03901-0076	0310	36

Part No	Fig. No	Find No	Part No	Fig. No	Find No	Part No	Fig. No	Find No
65.03903-0002	2900	3	65.05410-0007	0510	8	65.08105-6001	0910	6
65.03905-0020	0340	3	65.05410-0015	0540	3	65.08201-5049	0820	1
65.03905-0023A	0340	4	65.05503-0031C	0550	4	65.08202-5070	0950	10
65.04101-0055	0410	1	65.05503-5038C	0550	3	65.08901-0029	0910	2
65.04101-0069	0410	4	65.05510-5020B	0550	2-1	65.08901-0044	0810	6
65.04102-0002A	0410	10	65.05604-0019B	0560	2	65.08902-0025	0820	2
65.04102-0038	0410	12	65.05701-5325	0560	24	65.08902-0074	0820	4
65.04102-0039	0410	14	65.05701-5361	5410	10	65.10701-6002A	2900	1
65.04102-0040	0410	13	65.05701-5622A	0580	45	65.11301-0026A	1130	16
	0410	16	65.05701-5964A	0560	30	65.11301-7019A	1130	1
65.04102-0066	0410	9	65.05701-6061A	0580	52	65.11302-0019A	1130	14
	0410	15	65.05801-5208	0580	1	65.11308-0048	1130	8
65.04102-6004A	0410	8	65.05805-5164	0580	43	65.11308-0049	1130	7
65.04102-6021	0410	7	65.05806-6083	0580	35	65.11308-0050	1130	6
65.04102-6022	0410	11	65.05903-0027A	0580	62	65.11308-0062	1130	5
65.04103-0014	0410	17	65.05903-0028	0560	4	65.11308-0064	1130	9
65.04104-0007	0410	19	65.05903-0030	0630	36	65.11308-0066	1130	10
65.04200-6027D	0420	1	65.05903-0030A	0560	28	65.11308-0067	1130	11
65.04201-0007K	0420	3		0560	33	65.11309-0011C	1130	2
65.04201-5014E	0420	2	65.05904-0096A	0580	10	65.11312-0008	1130	12
65.04202-0014A	0420	14	65.06301-0139	0630	12	65.11902-0017	1130	18
65.04203-0010A	0420	6	65.06301-0215	0910	7	65.19102-0097	1910	1
65.04203-5010	0420	5	65.06301-0243	0630	1	65.19103-5052	1910	10
65.04205-0003A	0420	12	65.06301-0673	0650	3	65.19103-6011A	1910	12
65.04301-0006	0430	1	65.06301-6098	0630	32	65.26201-7070D	2620	1
65.04302-5011	0430	2	65.06402-0005	0640	2	65.26212-0006	2620	2
65.04401-0010M	0440	1	65.06404-0023	0640	1	65.26214-0005	2620	3
65.04410-0016	0110	3	65.06404-5023	0640	9	65.27107-5002	1130	28
65.04500-6006B	0450	1	65.06500-6357C	0650	1	65.27113-0006	1130	22
65.04501-0007A	0450	2	65.06501-0092	0650	2	65.27150-5001A	1130	24
65.04505-0033	0450	5	65.06505-0027	0650	4	65.27150-6001	1130	23
65.04505-5016	0450	4		0650	6	65.29003-0001	2900	9
65.04506-0033	0450	7	65.06507-0005A	0650	12	65.29003-6002	2900	8
65.04507-0004	0450	6	65.06508-0012	0650	9	65.31641-0001	0310	9
65.04902-0012A	0410	20	65.06512-0014A	0650	14		0310	22
65.05100-6042A	0510	1	65.06520-6008	0650	5	65.41510-0020	4150	17
65.05102-0015	0510	2	65.06602-0003	0660	2		4150	20
65.05103-5006A	0510	6	65.06602-6016A	0660	1	65.41520-0003	0310	39
65.05103-5008	0510	7	65.06606-0076	0660	6	65.47901-0010	4710	7
65.05104-5004	0510	3	65.06611-0139	0660	13	65.54901-0025A	5410	9
65.05104-5005	0510	4	65.06901-0076	0650	13	65.90001-0126	0110	31
65.05200-6004A	0520	1	65.06901A0069	0640	3	65.90001-6002	0140	11
65.05201-0008A	0510	13	65.06903-0018	0630	2	65.90001-6003	0440	3
65.05204-0003A	0520	2	65.06903-0020A	0630	13	65.90001-6005	0580	48
65.05205-0018	0520	5	65.06903-0021A	0630	24	65.90020-0010E	0240	4
65.05405-7021	0540	1	65.08101-0210A	0810	2	65.90020-0036B	0110	10
65.05406-0020	0540	2	65.08101-6005A	0810	1	65.90020-0062B	0220	4

Part No	Fig. No	Find No	Part No	Fig. No	Find No	Part No	Fig. No	Find No
65.90020-0074	0340	6	65.91606-0041	0110	13			
65.90020-0079	1130	19	65.91615-0015	0110	27			
65.90020-0080	1130	20	65.91701-0219	1130	15			
65.90021-0005	0310	29	65.91710-0035B	0110	11			
65.90030-0009	0520	7	65.93020-0033D	0420	4			
65.90201-0058	4150	2	65.93410-0038	0650	10			
	4150	10	65.93410-0087	0660	3			
65.90201-0064	0630	4	65.96002-0003	0140	18			
	2900	2	65.96301-0262	0630	33			
65.90201-0078	2900	7	65.96301-0264	0630	17			
65.90201-0080	0310	34		0630	30			
65.90201-0093	0560	12	65.96301-0305	0340	10			
65.90302-0012	0420	7	65.96501-0033B	0340	8			
65.90302-0041	0310	8	65.96501-0061	0550	24			
	0310	21	65.96501-0068	0650	18			
65.90302-0042	0310	7	65.96501-0069	0310	10			
	0310	20		0310	23			
65.90302-0048	0110	4	65.96601-0012	0110	26			
65.90310-0033	0820	6	65.96601-0051	0580	4			
	0950	14	65.96801-0205	2610	2			
65.90310-0034	0550	15	65.97401-0152	5410	11			
65.90310-0056	0540	5	65.97440-0099	0630	18			
65.90310-0104	0510	10		0630	31			
65.90310-0115	0550	11	65.97440-0101	0630	34			
65.90310-0121	0550	5	65.97601-0004	0550	18			
65.90310-0131	0110	21	65.97601-0053	0420	9			
65.90310-0132	0110	17	65.97601-0075	0550	13			
65.90310-0133	0110	35	65.97601-0100	0540	6			
65.90310-0137	0110	15	65.97601-0104	0420	8			
65.90310-0140	0630	38	65.97601-0105	0510	9			
65.90310-0149A	0630	10	65.98112-0038	0440	2			
65.90501-0003	0420	13	65.98112-0039	0820	3			
65.90510-0012	0510	12	65.98130-0142	0630	35			
65.90640-0021	1130	17	65.98131-0060	0630	8			
65.90701-0088	0260	2	65.98150-0056	5410	14			
65.90701-0105	0410	18						
65.90701-0202	0340	5						
65.90710-0039	0420	10						
65.90710-0071	0540	4						
65.90720-0018	0450	8						
65.90801-0018	0510	19						
65.91001-0013A	0310	37						
65.91010-0017	0130	2						
65.91301-0010	0240	6						
65.91601-0010	5410	2						
65.91601-6005	5410	1						
65.91606-0037	0110	5						

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[Industrial engine] 82-32-211-2244

[Marine engine] 82-32-211-2247

[Generator engine] 82-32-211-2246

Fax. : 82-32-761-2759

■ Website

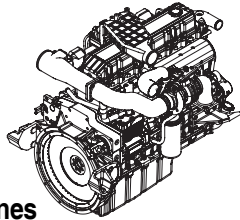
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<http://gsn24.doosaninfracore.co.kr>

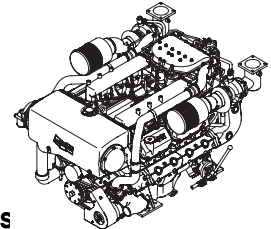
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Applications for DOOSAN Engine



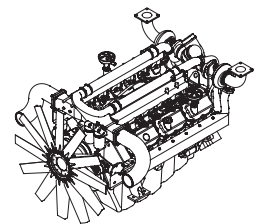
■ Automotive & Industrial Engines

	Model	Power kW(PS)/rpm	Model	Power kW(PS)/rpm
For Vehicle	D1146	133(181)/2,500	DV11	309(420)/1,800
	D1146TI	158(215)/2,200	DL06 S	199(270)/2,500
	DE08TIS	176(240)/2,300	DL08 S	250(340)/2,200
	DE12	169(230)/2,200	DV11 S	324(440)/1,900
	DE12T	220(300)/2,200	DV15T	272(370)/2,300
	DE12TI	250(340)/2,100	DV15TI	309(420)/2,100
	DE12TIS	250(340)/2,100	DV15TIS	309(420)/2,100
	DL06	184(250)/2,500	GE08TI	191(260)/2,300
For Industrial	DL08	235(320)/2,200	GE12TI	250(340)/2,100
	DB58	96(130)/2,800	DE08TIS	151(205)/1,900
	DB58S	75(102)/2,200	DE12T	188(255)/2,000
	DB58T	104(142)/2,500	DE12TI	213(290)/2,000
	DB58TI	112(152)/2,200	DE12TIS	238(323)/2,000
	D1146	115(156)/2,200	DV15T	238(324)/2,300
	D1146T	140(190)/2,200	DL06	129(175)/1,900
	D1146TI	162(220)/2,200	DL08	191(260)/1,750
	DB58TIS	127(173)/2,000	DV11	245(333)/1,800



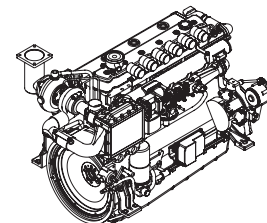
■ Marine Propulsion Engines

Model	Power kW(PS)/rpm	Model	Power kW(PS)/rpm
L086TI	265(360)/2,500	V180TIH	441(600)/1,800
L086TIH	210(285)/2,100	V180TIM	478(650)/2,100
L086TIM	232(315)/2,300	V180TIL	820(603)/2,300
L126TIH	265(360)/2,000	V222TIH	530(720)/1,800
L126TIM	294(400)/2,100	V222TIM	588(800)/2,100
L136	118(160)/2,200	V222TIL	736(1,000)/2,300
L136T	147(200)/2,200	4V158TIH	390(530)/1,800
L136TI	169(230)/2,200	4V158TIM	441(600)/2,100
L136TL	177(240)/2,500	4V158TIL	588(800)/2,300
MD196T	206(280)/2,000	4V222TIH	588(800)/1,800
MD196TI	235(320)/2,000	4V222TIM	647(880)/2,100
V158TIH	353(480)/1,800	4V222TIL	883(1,200)/2,300
V158TIM	397(540)/2,100		
V158TIL	500(680)/2,300		



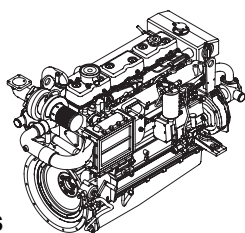
■ Generator Set Engines (G-Drive & G-Pac)

Model	Power (Output ISO 3046)				Model	Power (Output ISO 3046)			
	@1,800 rpm		@1,500 rpm			@1,800 rpm		@1,500 rpm	
	Stand-by	Prime	Stand-by	Prime		Stand-by	Prime	Stand-by	Prime
	kW(PS)	kW(PS)	kW(PS)	kW(PS)		kW(PS)	kW(PS)	kW(PS)	kW(PS)
DB58	70(95)	64(87)	59(80)	54(73)	P158LE-2	361(491)	329(447)	321(437)	293(399)
D1146	105(143)	96(130)	85(116)	77(105)	P158LE-S	481(654)	441(660)	441(600)	402(546)
D1146T	138(187)	125(170)	118(160)	107(145)	P180LE	540(734)	497(676)	496(674)	443(602)
DE12T	199(270)	180(245)	166(226)	151(205)	P180LE-1	498(677)	454(617)	442(601)	403(548)
P086TI	223(260)	205(237)	199(223)	177(203)	P180LE-S	567(771)	519(705)	496(674)	452(615)
P086TI-1	191(303)	174(279)	164(270)	149(420)	P222LE	649(883)	591(803)	574(781)	532(723)
P126TI	298(405)	278(378)	272(370)	241(328)	P222LE-1	625(850)	563(765)	552(750)	496(675)
P126TI-1	288(392)	262(356)	-	-	P222LE-S	682(927)	625(850)	603(820)	552(750)
P126TI- II	342(465)	-	-	-	P158FE	492(669)	441(600)	441(600)	402(546)
P158LE	443(602)	402(547)	414(563)	363(494)	P180FE	770(566)	-	675(496)	615(452)
P158LE-1	402(546)	366(498)	362(492)	327(444)	P222FE	711(967)	659(896)	612(832)	569(774)



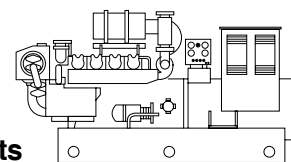
■ Natural Gas Generator Engines

Model	Power (Output ISO 3046)				Model	Power (Output ISO 3046)			
	@1,800 rpm		@1,500 rpm			@1,800 rpm		@1,500 rpm	
	Stand-by	Prime	Stand-by	Prime		Stand-by	Prime	Stand-by	Prime
	kW(PS)	kW(PS)	kW(PS)	kW(PS)		kW(PS)	kW(PS)	kW(PS)	kW(PS)
GE08TI	165(224)	150(204)	141(192)	128(174)	GV180TI	374(508)	340(462)	319(434)	290(394)
GE12TI	220(299)	200(272)	192(262)	175(238)	GV222TI	451(613)	410(557)	385(523)	350(476)
GV158TI	297(404)	270(367)	253(344)	230(313)					



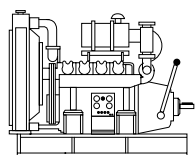
■ Marine Auxiliary Engines

Model	Power (Output ISO 3046)	Model	Power (Output ISO 3046)
	kW(PS) @ 1,500 rpm		kW(PS) @ 1,800 rpm
AD086TI	151(205)	AD086TI	186(253)
AD126TI	206(280)	AD126TI	247(336)
AD136	77(105)	AD136	93(126)
AD136T	107(145)	AD136T	125(170)
AD136TI	121(165)	AD136TI	143(195)
AD158TI	302(410)	AD158TI	353(480)
AD180TI	357(485)	AD180TI	441(600)
AD196T	155(210)	AD196T	181(246)
AD196TI	173(235)	AD196TI	199(270)
AD222TI	446(606)	AD222TI	530(720)



■ Marine Generator Sets

Generator Set	Engine Model	Power (kW/kVA)	
		1,800 rpm(60Hz)	1,500 rpm(50Hz)
		Prime kW/kVA	Prime kW/kVA
PNJ	AD136	80/100	68/85
PNK	AD136T	104/130	96/120
PND	AD136TI	132/165	108/135
PNE	AD086TI	172/215	136/170
PNL	AD196TI	176/220	160/200
PNI	AD126TI	224/280	192/240
PNZ	AD158TI	328/410	276/345
PNS	AD180TI	400/500	332/415
PNY	AD222TI	500/625	408/510



■ Power Units

Model	Power kW(PS)/rpm
PU066	85(116)/2,800
PU086	116(158)/2,200
PU086T	151(205)/2,200
PU086T	151(205)/2,300
PU086TI	213(290)/2,200
PU126TI	294(400)/2,100
PU158TI	397(540)/2,100
PU180TI	478(650)/2,100
PU222TI	588(800)/2,100

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