

Fig. 010 CYLINDER HEAD [1 ~ 1256]

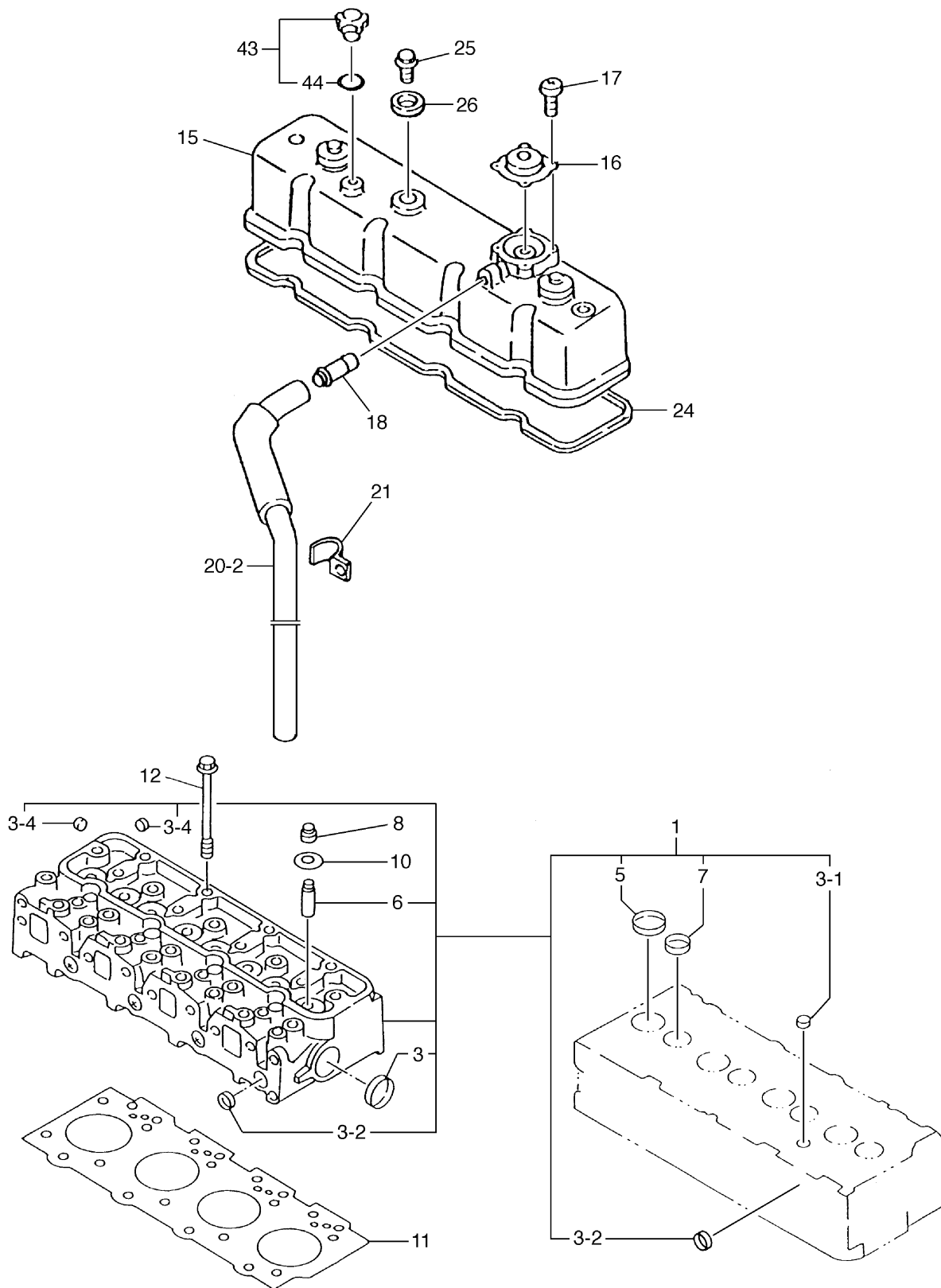


Fig. 010 CYLINDER HEAD [1 ~ 1256]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	894431-5230	CYLINDER HEAD ASS'Y	1					
3	109600-0051	CUP;SEALING D=44.5	1					
3-1	511129-0060	CUP;SEALING D=16	3					
3-2	109600-0112	CUP;SEALING D=22	7					
3-4	509600-0130	CUP;SEALING D=12	5					
5	894130-5580	SEAT;INLET VALVE	4					
6	511721-0160	GUID	8					
7	894130-5590	SEAT;EXHAUST VALVE	4					
8	897120-3070	SEAL;STEM	8					
10	512563-0010	SEAT SPRING LOWER	8					
11	894332-3270	GASKET;CYL. HEAD	1					
12	894247-3551	BOLT;CYL HEAD M11 L122	18					
15	897081-7421	COVER ASS'Y	1					
16	894250-1720	VALVE;VENTILATION	1					
17	903910-4080	SCREW;VENITILATOR M4X8	4					
18	894250-6151	PIPE;BREATHER	1					
20-2	894465-6600	HOSE;RUBBER 920L	1					
21	894121-1131	CLIP;PCV HOSE	1					
24	897118-7680	GASKET;HEAD COVER	1					
25	894173-4300	NUT;CAP HEAD COVER	3					
26	894202-4563	GASKET;HEAD COVER	3					
43	894133-2075	CAP ASM;OIL FILLER CAP	1					
44	894123-6231	PACKING;CAP	1					

Fig. 020 CYLINDER BLOCK [1 ~ 1256]

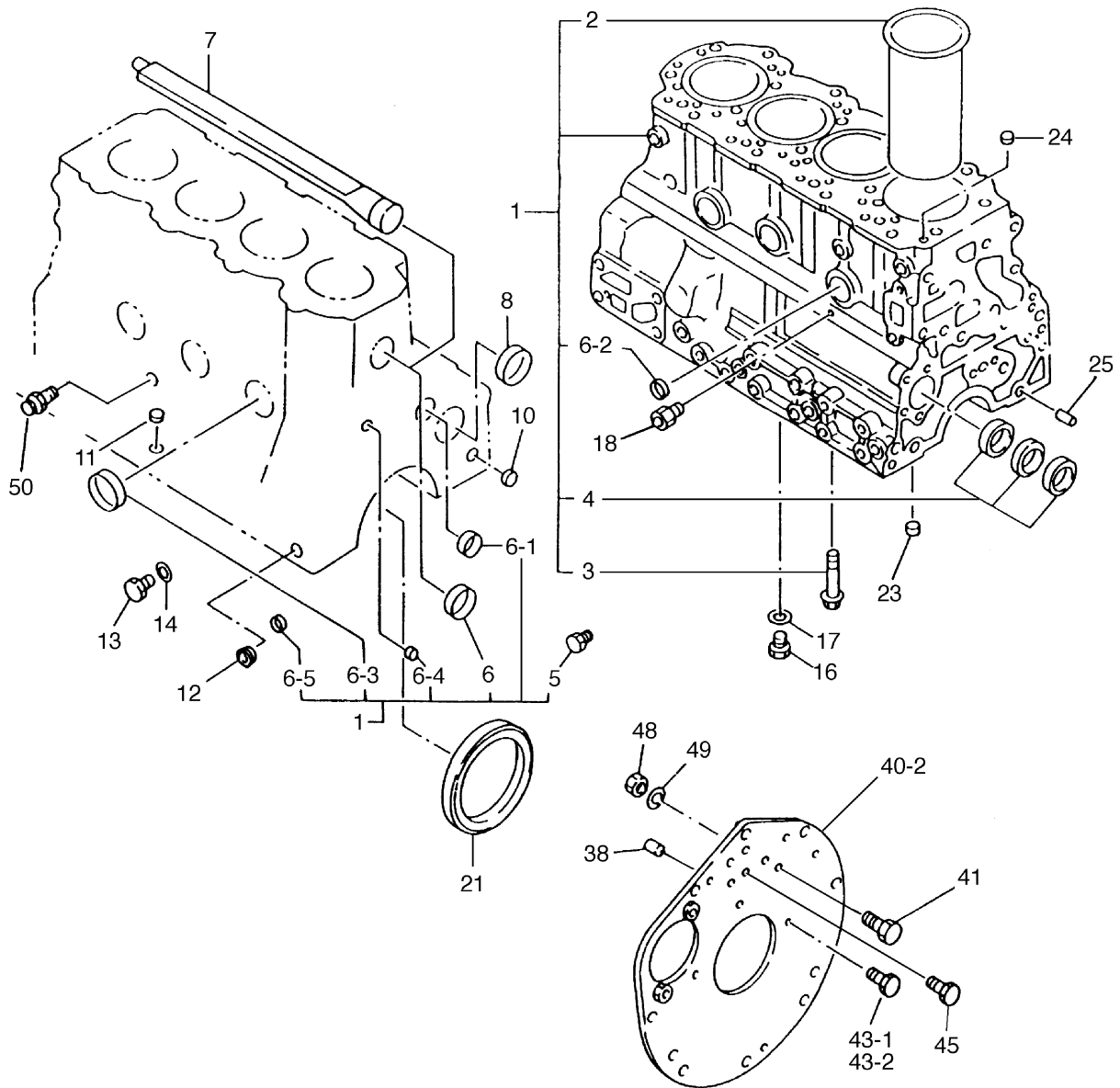


Fig. 020 CYLINDER BLOCK [1 ~ 1256]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	894437-3976	BLOCK ASS'Y	1					
2	894247-8612	LINER;CYL.	4					
2	897176-6830	LINER;CYL. BLOCK OD=1 ID=AX	-					
2	897176-6840	LINER;CYL. BLOCK OD=1 ID=CX	-					
2	897176-6850	LINER;CYL. BLOCK OD=2 ID=AX	-					
2	897176-6860	LINER;CYL. BLOCK OD=2 ID=CX	-					
2	897176-6870	LINER;CYL. BLOCK OD=3 ID=AX	-					
2	897176-6880	LINER;CYL. BLOCK OD=3 ID=CX	-					
2	897176-6890	LINER;CYL. BLOCK OD=4 ID=AX	-					
2	897176-6900	LINER;CYL. BLOCK OD=4 ID=CX	-					
3	894432-6420	BOLT;BEARING CAP M14X89	10					
4	894427-1961	METAL KIT;CAM STD.	1					
4	894427-1981	METAL KIT 0.50(UNDER SIZE)	1					
4	894427-2001	METAL KIT 1.00(UNDER SIZE)	1					
5	909664-0010	PLUG;WASHER DRAIN PT1/4	1					
6	511219-0180	CUP;REAR OD=36	1					
6-1	511219-0170	CUP;REAR OD=38	1					
6-2	511219-0080	CUP;SEALING D18	3					
6-3	109600-0051	CUP;SEALING D=44.5	3					
6-4	509600-0130	CUP;SEALING D=12	1					
6-5	511219-0150	CUP;SEALING D32	2					
7	894471-3581	DUCT;WATER	1					
8	894250-5140	CUP;SEALING D56	1					
10	511129-0060	CUP;SEALING D=16	2					
11	511129-0030	CUP;SEALING D15.6	1					
12	109605-0500	PLUG;OILGALLERY PT1/8	2					
13	999202-3140	PLUG;FUEL FILTER	1					
14	909571-4140	PACKING;PLUG	1					
16	999202-3160	PLUG M16X12	1					
17	909571-4160	PACKING;PLUG	1					
18	894130-0211	NIPPLE;INJ.PUMP OIL FEED	1					
21	894235-3690	SEAL;OIL CRANK REAR	1					
23	909878-5970	PIN;CYL.BLOCK TO CASE	2					
24	894453-3440	DOWEL;CYL.BLOCK-HEAD	2					
25	908151-0200	PIN O.D10X20L	2					
38	908151-0240	PIN;STRAIGHT REAR	1					

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
40-2	894418-1553	PLATE;REAR	1					
41	989112-9110	BOLT;REAMER 40L	1					
43-1	509000-2270	BOLT M12X25	3					
43-2	050041-2300	BOLT M12X30	2					
45	050041-0250	BOLT M10X25	3					
48	909111-5100	NUT;CAP HEAD COVER	1					
49	909150-5100	WASHER;SPRING	1					
50	909664-0010	PLUG;WASHER DRAIN PT1/4	1					

Fig. 030 TIMING GEAR CASE [1 ~ 1256]

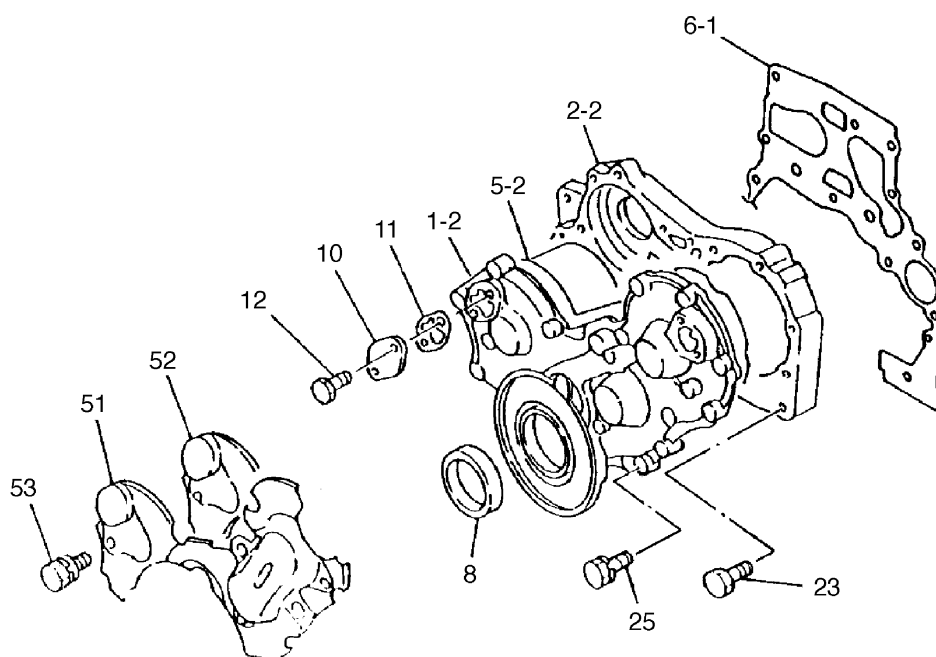


Fig. 030 TIMING GEAR CASE [1 ~ 1256]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1-2	894155-3602	COVER:GEAR CASE	1					
2-2	894428-7992	GEAR CASE;TIMING	1					
5-2	894140-1171	O-RING;CASE TO COVER	1					
6-1	897117-2420	GASKET:GEAR CASE	1					
8	509625-0790	SEAL;OIL CRANK FRONT	1					
10	511321-0090	COVER:TIMING CHECK	2					
11	897118-6980	GASKET:COVER	2					
12	050040-6140	BOLT;SEMS COVER	4					
23	050040-8200	BOLT;GEAR CASE	6					
25	050040-8320	BOLT;SEMS COVER	8					
25	050040-8600	BOLT;SEMS COVER	1					
25	894205-9861	BOLT;SEMS COVER	6					
51	894155-7211	COVER ASS'Y:GEAR CASE	1					
52	894155-7223	SPACER;RUBBER	1					
53	050140-6180	BOLT;COVER	4					

Fig. 040 OIL PAN [1 ~ 1256]

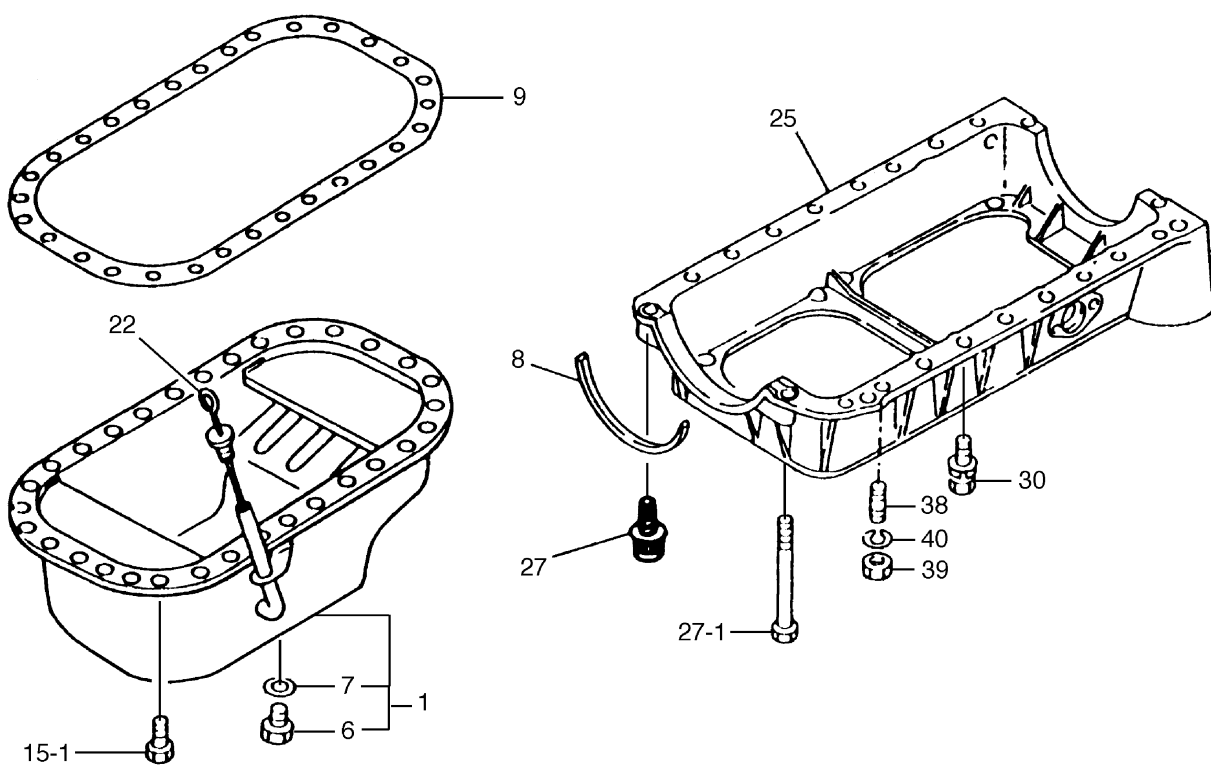


Fig. 040 OIL PAN [1 ~ 1256]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	897173-8660	OIL PAN ASS'Y	1					
6	999202-3200	PLUG;OIL DRAIN 12L	1					
7	109623-2350	PACKING;O-RING ID=16.8	1					
8	897120-9310	PACKING;CRANK CASE REAR	1					
8	897120-9330	PACKING;CRANK CASE FRONT	1					
9	897045-3220	PACKING;OIL PAN	1					
15-1	050040-6160	BOLT;SEMS OIL PAN	30					
22	897047-9310	GAUGE ASS'Y;OIL LEVEL	1					
25	894428-7954	CASE;CRANK	1					
27	050140-8000	BOLT;SEMS CRANK CASE	2					
27	050140-8250	BOLT	15					
27-1	897015-5151	BOLT;CRANK CASE 119L	2					
30	050040-8300	BOLT;CRANK CASE	1					
38	904110-8400	STUD;WATER PUMP FIX	2					
39	909110-4080	NUT;CRANK CASE	2					
40	909150-5080	WASHER;SPRING	2					

Fig. 050 OIL PUMP [1 ~ 1256]

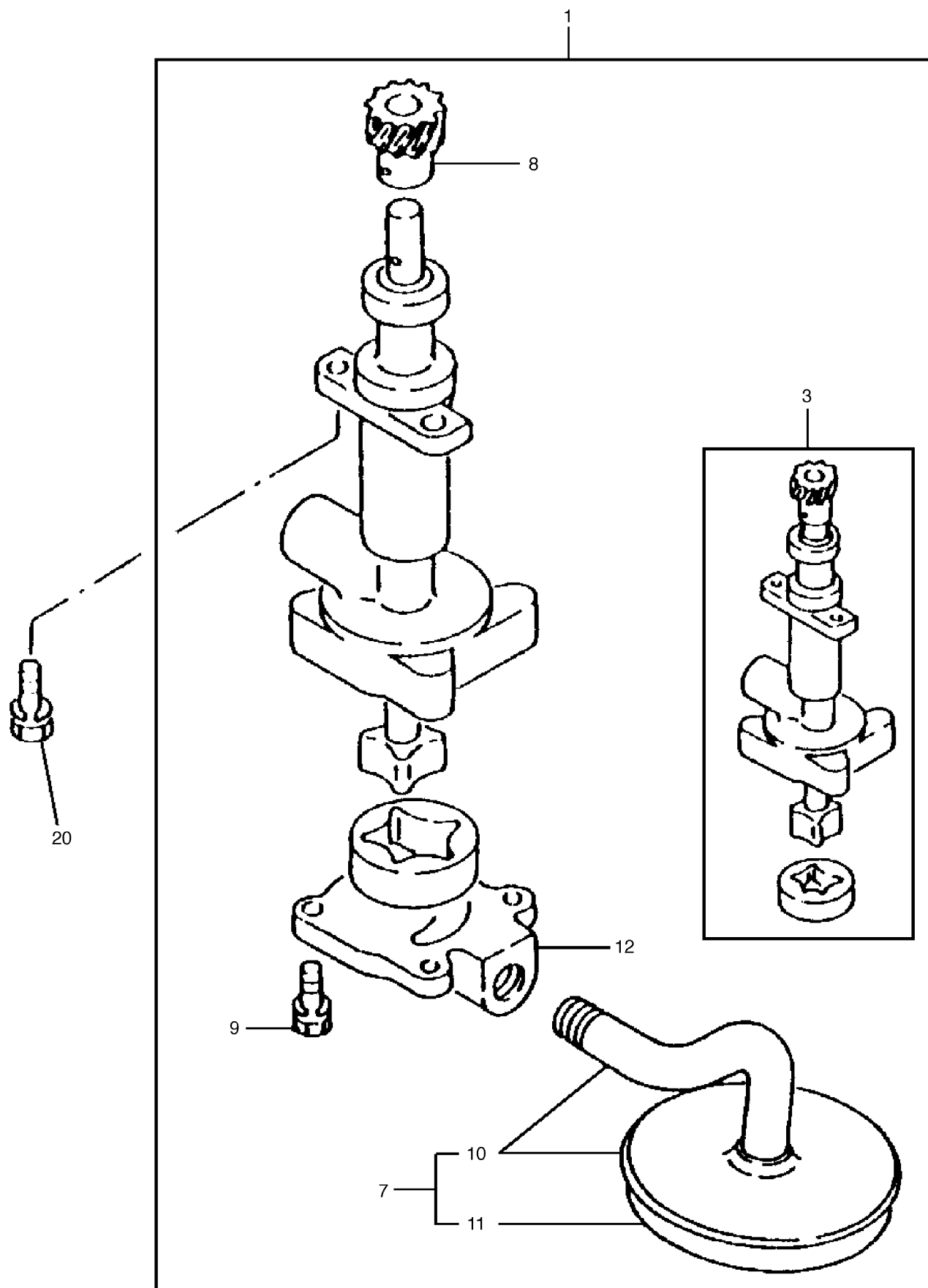


Fig. 050 OIL PUMP [1 ~ 1256]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	894362-9233	OIL PUMP ASS'Y	1					
3	897044-1120	REPAIR KIT;OIL PUMP	1					
7	913140-1200	STRAINER ASS'Y	1					
8	-	PINION	1	D				
9	901900-8250	BOLT;CASE M8X25	4					
10	894338-0790	PIPE ASS'Y	1					
11	913143-0100	STRAINER;OIL	1					
12	913113-0771	COVER;OIL PUMP	1					
20	050140-8250	BOLT	2					

Fig. 060 CRANK SHAFT & FLYWHEEL [1 ~

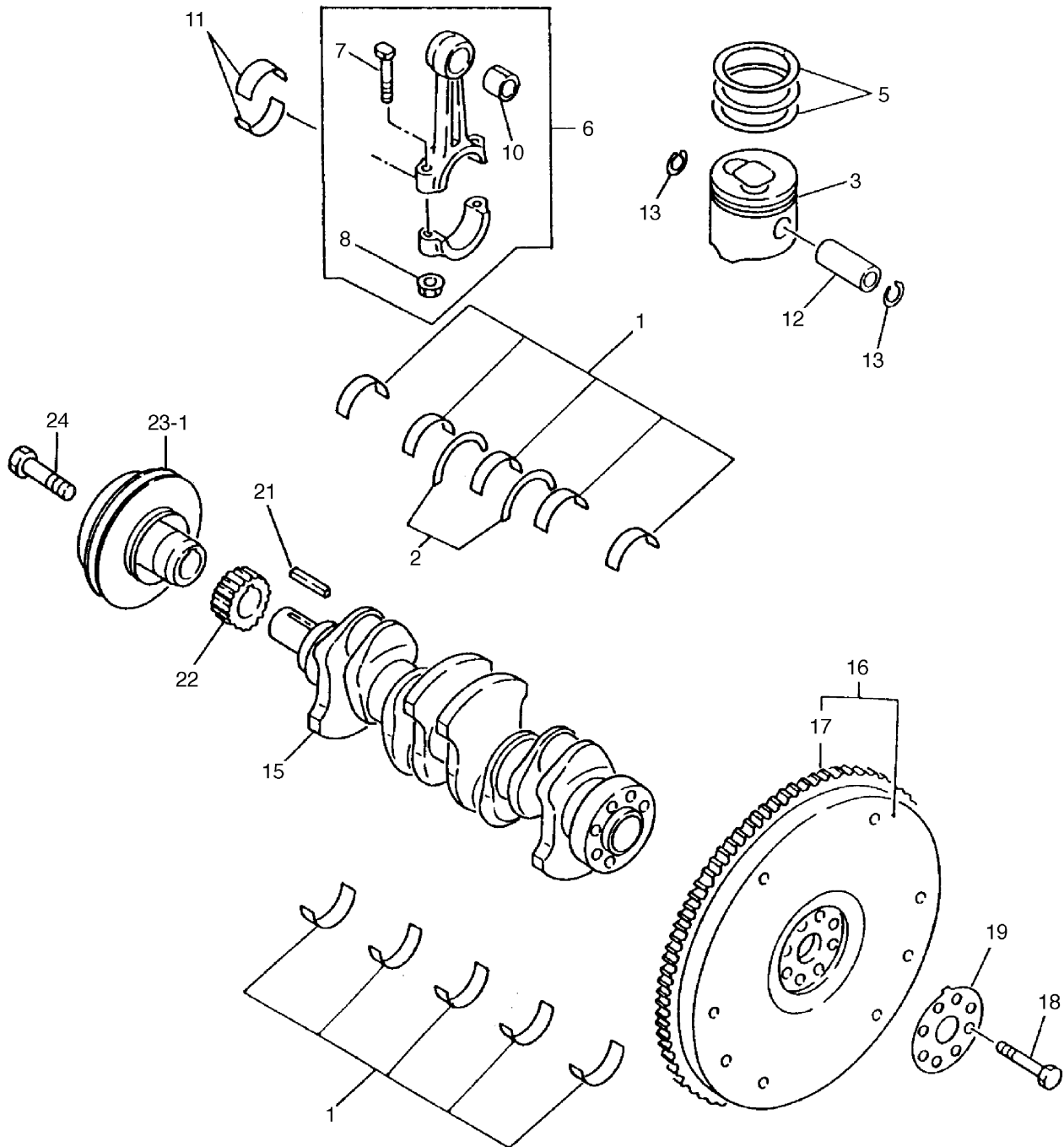


Fig. 060 CRANK SHAFT & FLYWHEEL [1 ~

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	894168-5520	METAL KIT;CRANK	1					
2	894453-7620	METAL KIT;THRUST	1					
3	897134-5280	PISTON	4					
5	894247-8671	RING SET;PISTON	4					
6	894329-6921	CONNECTING ROD	4					
7	512235-0090	BOLT;CONN.ROD	8					
8	509409-0160	NUT;CONN.ROD	8					
10	894419-4550	BUSH;CONN.ROD	4					
11	894324-1590	METAL SET;CONN ROD	4					
12	894454-4790	PIN;PISTON	4					
13	894133-9690	RING;SNAP	8					
15	894443-6620	CRANK SHAFT	1		~990101	T	897190-9282	1
15			-				894201-6410	1
15	897190-9282	CRANK SHAFT	1		990102~			
16	894476-7320	FLYWHEEL ASS'Y	1					
17	894419-6020	GEAR;RING Z=108	1					
18	897065-9841	BOLT;FLYWHEEL	8					
19	894142-1561	WASHER;FLYWHEEL	1					
21	908030-7430	KEY;CRANK SHAFT	1		~990101			
21	894201-6410	KEY;WOORDUFF	1		990102~			
22	894324-3350	GEAR;CRANK SHAFT	1					
23-1	894429-7460	PULLEY;CRANKSHAFT	1					
24	894433-4060	BOLT;CRANK PULLEY	1					

Fig. 070 VALVE MECHANISM [1 ~ 1256]

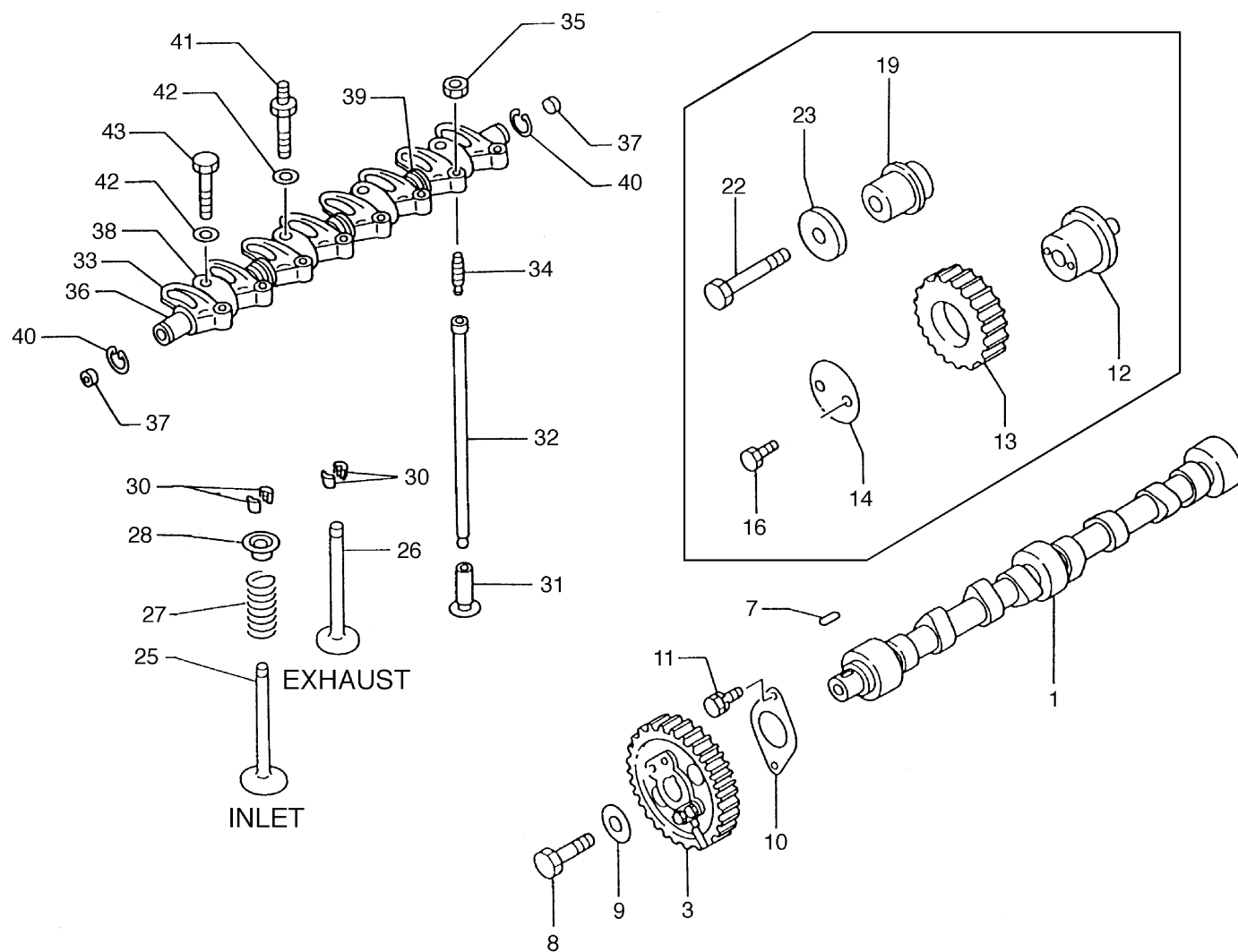


Fig. 070 VALVE MECHANISM [1 ~ 1256]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	894127-7974	CAM SHAFT	1					
3	894324-3360	GEAR;CAM SHAFT	1					
7	908000-7180	KEY;CAM SHAFT	1					
8	509000-0690	BOLT;CAM GEAR	1					
9	512519-0021	WASHER;CAM GEAR	1					
10	894110-4801	PLATE;THRUST	1					
11	050040-8160	BOLT M8X16	2					
12	894139-7581	SHAFT;IDLE GEAR	1					
13	894328-2170	GEAR;WITH BUSH IDLE	1					
14	894141-9371	COLLAR;THRUST IDLE	1					
16	509000-0841	BOLT;IDLE SHAFT 55L	2					
19	894109-9131	SHAFT;IDLE GEAR	1					
22	894109-7061	BOLT M12X67	1					
23	512519-0021	WASHER;CAM GEAR	1					
25	894133-2751	VALVE;INLET	4					
26	894247-8751	VALVE;EXHAUST	4					
27	894252-5361	SPRING;VALVE OUTER	8					
28	894133-7312	SEAT;SPRING OD=32.8	8					
30	512565-0040	COLLAR;SPLIT	16					
31	894438-3050	TAPPET	8					
32	897071-6730	ROD;PUSH	8					
33	894152-3440	ROCKER ARM	8					
34	894152-2830	SCREW;ADJUST	8					
35	909111-5080	NUT	8					
36	897036-1790	SHAFT;ROCKER ARM	1					
37	912626-0050	PLUG;END ROCKER SHAFT	2					
38	894152-3451	BRACKET;ROCKER SHAFT	4					
39	894433-3030	SPRING;ROCKER ARM	3					
40	909180-0190	RING;SNAP	2					
41	894433-3040	BOLT;ROCKER ARM	3					
42	909164-0100	WASHER;PLAIN	4					
43	894433-3020	BOLT;BRACKET M10X60	1					

Fig. 080 OIL FILTER & FUEL FILTER [1 ~

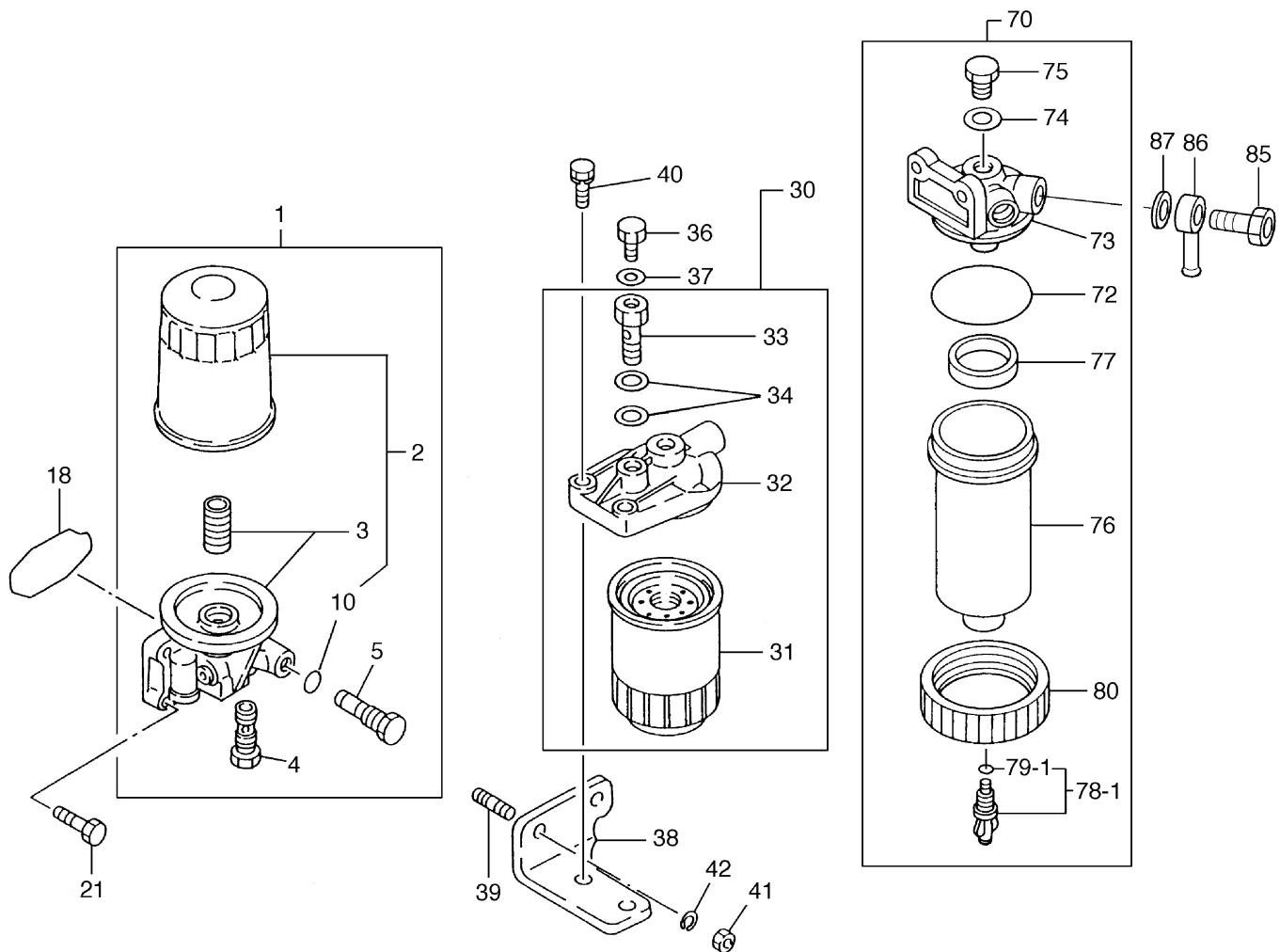


Fig. 080 OIL FILTER & FUEL FILTER [1 ~

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	894462-1371	FILTER;OIL	1					
2	897049-7081	CARTRIDGE;E/G OIL	1					
3	894329-6220	BODY ASS'Y	1					
4	894167-8820	VALVE ASS'Y	1					
5	894167-8830	PLUG	1					
10	894167-8860	O-RING	1					
18	897065-9830	GASKET;OIL FILTER	1					
21	050140-8300	BOLT;OIL FILTER	4					
30	897011-6850	FILTER;FUEL	1					
31	894414-7963	ELEMENT;FUEL	1					
32	513212-0751	COVER;FUEL FILTER	1					
33	897011-6860	VALVE;OVER FLOW	1					
34	909572-0140	PACKING;PLUG	2					
36	909202-3080	PLUG;OVER FLOW VALVE	1					
37	909571-4080	PACKING;PLUG	1					
38	894410-4040	BRACKET;FUEL FILTER	1					
39	909630-0200	STUD;BRACKET	2					
40	050041-0320	BOLT;FUEL FILTER	2					
41	909110-5100	NUT;BRACKET	2					
42	909150-5100	WASHER;SPRING	2					
70	113200-8410	SEDIMENTER	1					
72	509623-0700	GASKET;UPPER COVER	1					
73	513212-0591	BODY	1					
74	509630-0240	GASKET	1					
75	513219-0200	PLUG	1					
76	113211-2110	CASE	1					
77	513219-0210	FLOAT	1					
78-1	894453-7460	PLUG	1					
79-1	894416-3770	O-RING	1					
80	513619-0221	RING	1					
85	909906-3251	BOLT;EYE	2					
86	515411-2231	EYE JOINT;SEDIMENTER	2					
87	909572-0140	PACKING;PLUG	4					

Fig. 090 OIL PIPE [1 ~ 1256]

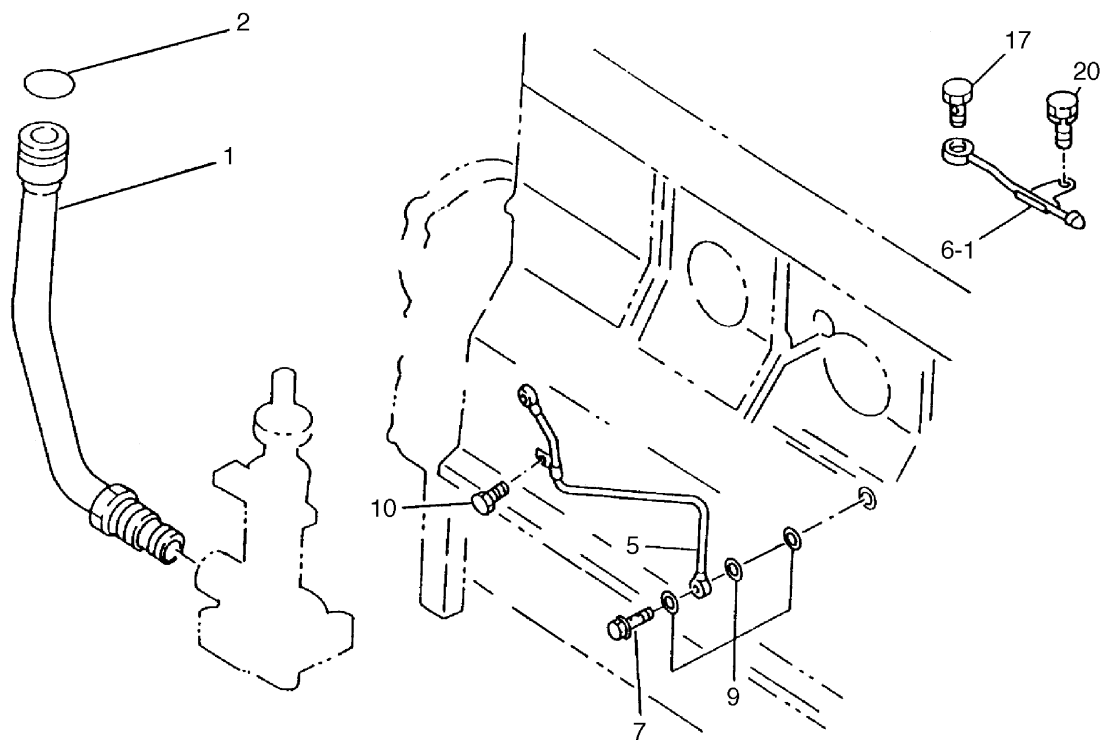


Fig. 090 OIL PIPE [1 ~ 1256]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	894434-8271	PIPE;OIL PUMP	1					
2	509623-0020	GASKET;OIL PIPE	1					
5	894170-1231	PIPE;INJ.PUMP	1					
6-1	894453-5481	PIPE;OIL GEAR	1					
7	509675-0181	BOLT;EYE M8X20	1					
9	909572-0080	PACKING;CAP	3					
10	050040-6120	BOLT;CLIP M6X12	1					
17	894454-1990	BOLT;EYE	1					
20	050040-8220	BOLT;OIL PIPE	1					

Fig. 100 COOLING SYSTEM(FAN,WATER &

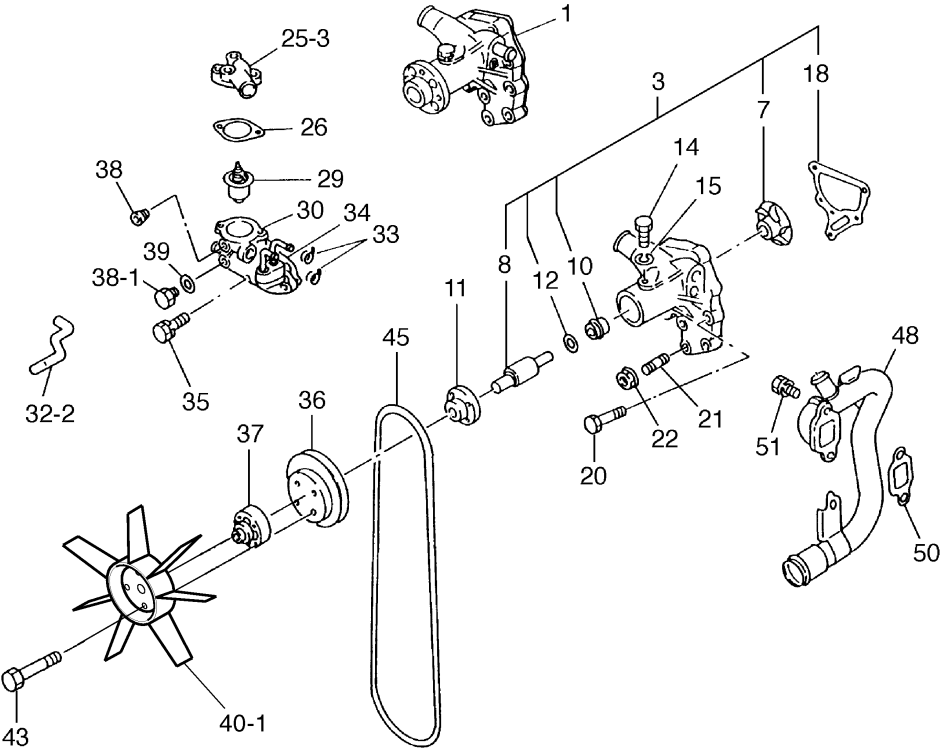


Fig. 100 COOLING SYSTEM(FAN,WATER &

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	894338-8480	WATER PUMP	1					
3	894322-7941	REPAIR KIT;WATER PUMP	1					
7	894250-1630	IMPELLER	1					
8	894110-5600	UNIT BEARING	1					
10	894422-3260	SEAL UNIT	1					
11	894452-0910	CENTER	1					
12	913639-0010	THROWER	1					
14	909814-0141	SCREW	1					
15	909150-5080	WASHER;SPRING	1					
18	894178-0810	GASKET;PUMP	1					
20	509000-0841	BOLT;IDLE SHAFT 55L	5					
21	904110-8220	STUD;WATER PUMP FIX	2					
22	894224-8290	NUT;WATER PUMP	2					
25-3	894254-6011	PIPE;WATER OUTLET	1					
26	894365-6741	GASKET;OUTLET PIPE	1					
29	894214-9620	THERMOSTAT	1					
30	894428-8120	HOUSING;THERMOSTAT	1					
32-2	894109-6811	HOSE;RUBBER BY PASS	1					
33	909715-0531	CLIP;BY PASS HOSE	2					
34	894365-6750	PACKING;HOUSING	1					
35	050040-8300	BOLT;CRANK CASE	3					
35	050140-8300	BOLT;OIL FILTER	2					
35	050040-8700	BOLT;SEMS.HOUSING	2					
36	894427-3602	PULLEY;COOLING FAN D130	1					
37	913642-0780	SPACER;FAN	1					
38	509605-0050	PLUG;HEATER PT3/8	2					
38-1	909661-0050	PLUG;SWITCH M16X8	1					
39	909571-3160	PACKING;PLUG	1					
40-1	894342-6180	FAN D450 7 BLADE	1					
43	050040-8450	BOLT;GEAR CASE M8X45	4					
45	894479-1010	BELT;COOLING 1041L	1					
48	894434-0711	PIPE;WATER INLET	1					
50	894365-6762	GASKET;WATER PIPE	1					
51	050040-8220	BOLT;OIL PIPE	2					

Fig. 110 AIR INTAKE & EXHAUST SYSTEM

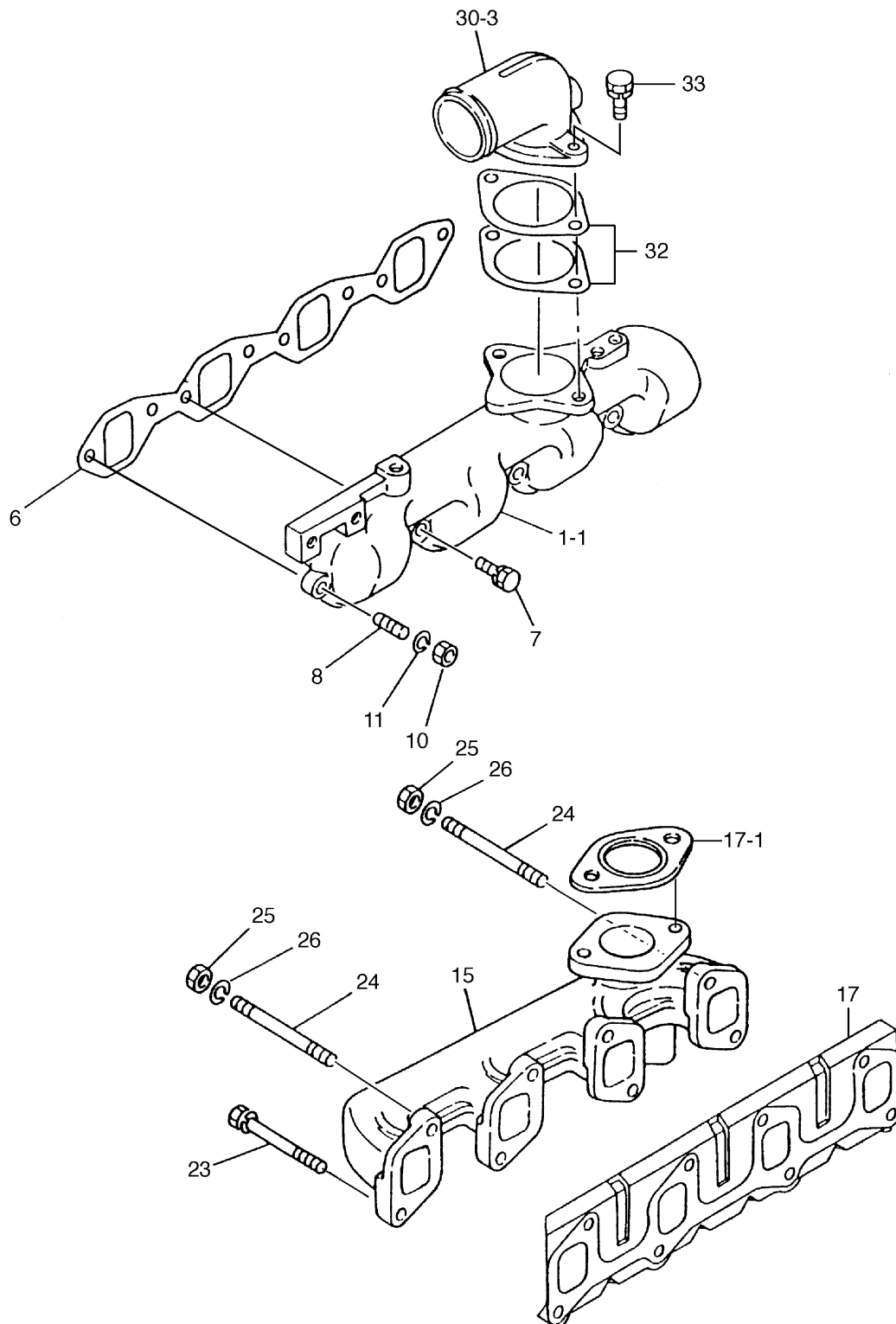
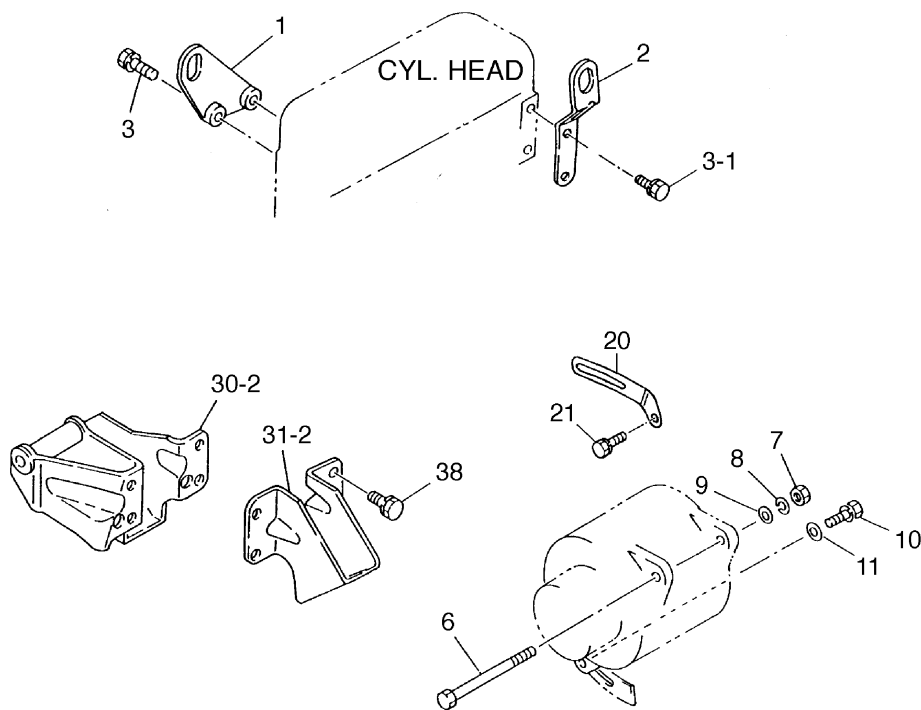


Fig. 110 AIR INTAKE & EXHAUST SYSTEM

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1-1	897011-4881	MANIFOLD;INLET	1					
6	897066-7411	GASKET;INLET MANIFOLD	1					
7	050040-8250	BOLT;HANGER FIX	6					
8	904110-8250	STUD;INLET MANIFOLD	2					
10	909110-5080	NUT;LEVER TO SHAFT	2					
11	909150-5080	WASHER;SPRING	2					
15	894147-5330	MANIFOLD;EXHAUST	1					
17	897109-2161	GASKET;EXHAUST	1					
17-1	897016-1010	GASKET;EXHAUST PIPE	1					
23	050040-8300	BOLT;CRANK CASE	6					
24	904110-8350	STUD;EXHAUST	2					
25	909110-4080	NUT;CRANK CASE	2					
26	909150-5080	WASHER;SPRING	2					
30-3	897011-0740	PIPE;INLET	1					
32	897022-5710	GASKET;INLET PIPE	1					
33	050041-0250	BOLT M10X25	2					

Fig. 120 ENGINE LIFTING HANGER [1 ~



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