

Fig. 011 CYLINDER BLOCK

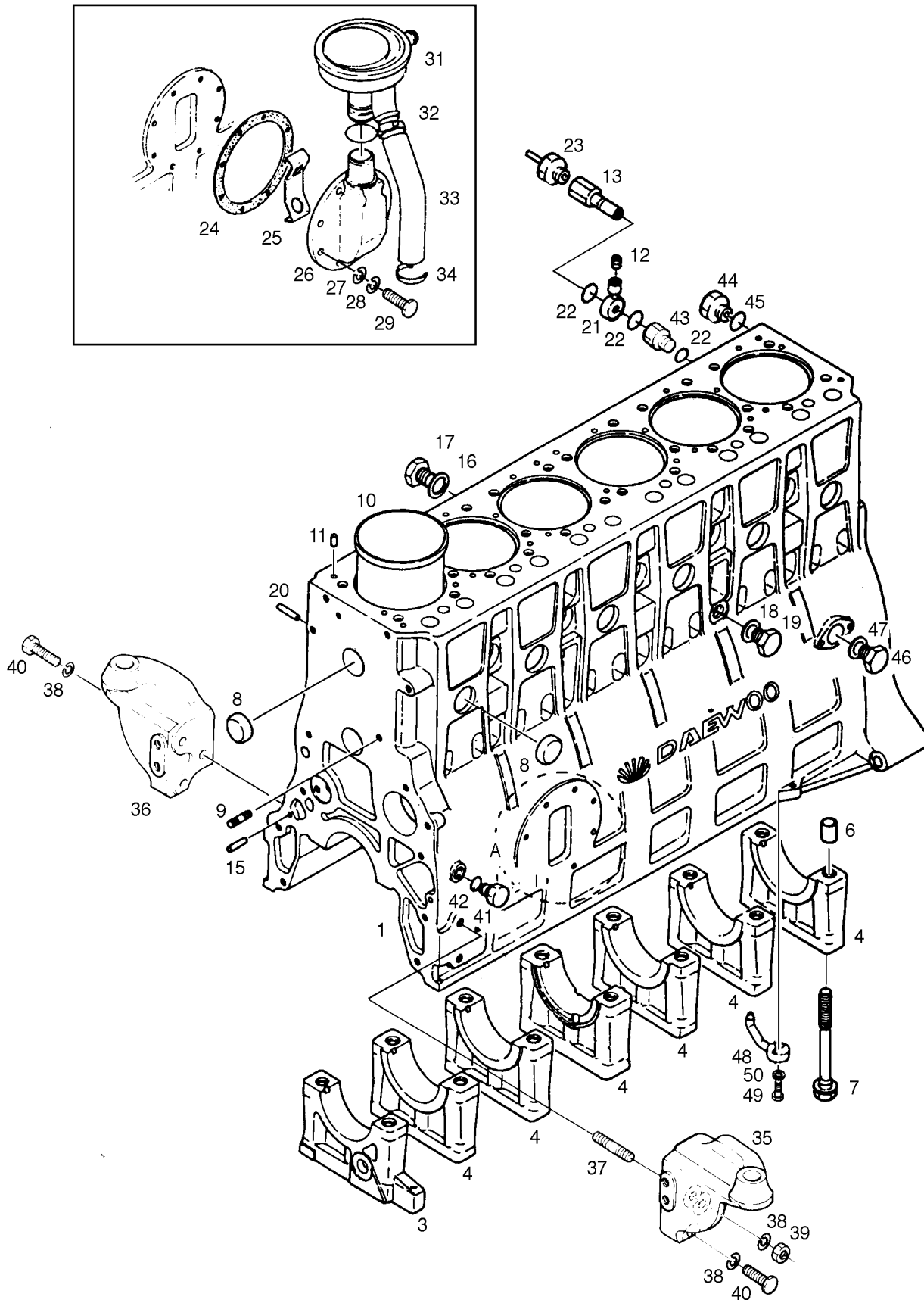


Fig. 011 CYLINDER BLOCK

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01101-6039	CYLINDER BLOCK ASS'Y	1					
1	65.01101-6036B	CYLINDER BLOCK ASS'Y	1					
1	65.01101-0039	BLOCK;CYLINDER	1					
1	65.01101-0036A	BLOCK;CYLINDER	1					
1	65.04410-0016	BUSH;CAM SHAFT	4					
1	06.15091-0313	PLUG;CORE	2					
1	65.91606-0041	PLUG;CORE	2					
2	65.90201-0144	BOLT;STUD FLYWHEEL	2					
2	65.90201-0144	BOLT;STUD FLYWHEEL	-					
3	65.01105-1157	CAP;BEARING(7)	1	D				
4	65.01105-1158	CAP;BEARING(1,2,3,5,6)	5	D				
5	65.01105-1159	CAP;BEARING(4)	1	D				
5	65.01105-1159D	CAP;BEARING(4)	1	D				
6	65.91710-0035	RING;LOCATING	14					
7	65.90020-0036	BOLT;BEARING CAP	14					
7	65.90020-0036A	BOLT;BEARING CAP	14					
8	06.15091-0326	PLUG;CORE	15					
9	65.90201-0057	BOLT;STUD(TIMING GEAR CASE)	1					
10	65.01201-0019	LINER;CYLINDER	6					
10	65.01201-0051	LINER;CYLINDER	6					
11	06.22022-0908	PIN;DOWEL 6m6X12	4					
11	06.22022-0907	PIN;DOWEL 6M6X10	4					
12	65.90320-0021	SCREW;PLUG	1					
12	65.90320-0022	PLUG SCREW PT1/8	1					
13	65.98150-0002	ADAPTER	1					
15	06.22022-1009	PIN;DOWEL	2					
16	06.56190-0718	RING;SEAL	2					
17	06.08092-2407	SCREW;PLUG M22X1.5	2					
17	65.90310-0136	SCREW;PLUG	2					
18	06.56190-0704	RING;SEAL	1					
19	65.90310-0091	SCREW;PLUG M12X1.5X20	1					
20	06.22022-1112	PIN;DOWEL	2					
20	06.22022-1113	PIN	2					
21	65.98130-0076	ADAPTER	1					
22	06.56180-0704	RING;SEAL A12X18	2					
22	06.56190-0704	RING;SEAL	3					

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
23	65.27441-7005	SWITCH;OIL PRESSURE	1			I	65.27441-7007	1
23	65.27441-7007	SWITCH;OIL PRESSURE	1					
24	65.01908-0002	GASKET;BREATHER CASE	1					
24	65.01908-0005	GASKET;BREATHER CASE	1					
25	65.01803-0006	BAFFLE;BREATHER	1					
26	65.01801-0002	CASE;BREATHER	1					
27	06.15010-2311	WASHER	8					
27	06.15010-2311	WASHER	-					
28	06.16731-2107	WASHER	8					
28	06.16731-2107	WASHER	-					
29	06.01283-7113	BOLT;HEX. M8X1.25X20	8					
29	06.01923-3113	BOLT ASS'Y M8X20	8					
30	65.96501-0032	O-RING 36.09X3.53	1					
31	65.01801-5023	BREATHER PIPE ASS'Y	1					
32	06.67020-0106	CLAMP;HOSE	1					
33	65.96301-0108	HOSE;RUBBER	1					
33	65.96301-0189	HOSE;RUBBER	1					
34	65.97401-0142	CLIP;HOSE	1					
35	65.41530-0110	BRACKET;MOUNTING	1					
35	65.41530-0131	BRACKET;MOUNTING	1					
36	65.41530-0109	BRACKET;MOUNTING	1					
36	65.41530-0130	BRACKET;MOUNTING	1					
37	65.90201-0063	BOLT;STUD M14X1.5X35	2					
38	06.16731-2110	WASHER;SPRING	10					
39	06.11063-9217	NUT	2					
40	06.01490-4410	BOLT;HEX. M14X1.5X55	4					
40	06.01494-4409	BOLT;HEX. M14X1.5X50	4					
41	06.08092-2406	SCREW;PLUG M18X1.5	1					
42	06.56190-0713	RING;SEAL A18X24	1					
43	65.98130-0083	ADAPTER	1					
44	06.08041-2202	SCREW;PLUG M12X1.5	1					
45	06.56190-0704	RING;SEAL	1					
46	65.90310-0149	SCREW;PLUG M26X1.5	1					
47	06.56190-0726	SEAL;RING	1					
48	65.01601-6002	NOZZLE;OIL SPRAY	6					
49	65.90001-0126	BOLT;HEX.	12					
50	06.16044-0208	WASHER;SPRING	12					

Fig. 012 TIMING GEAR CASE

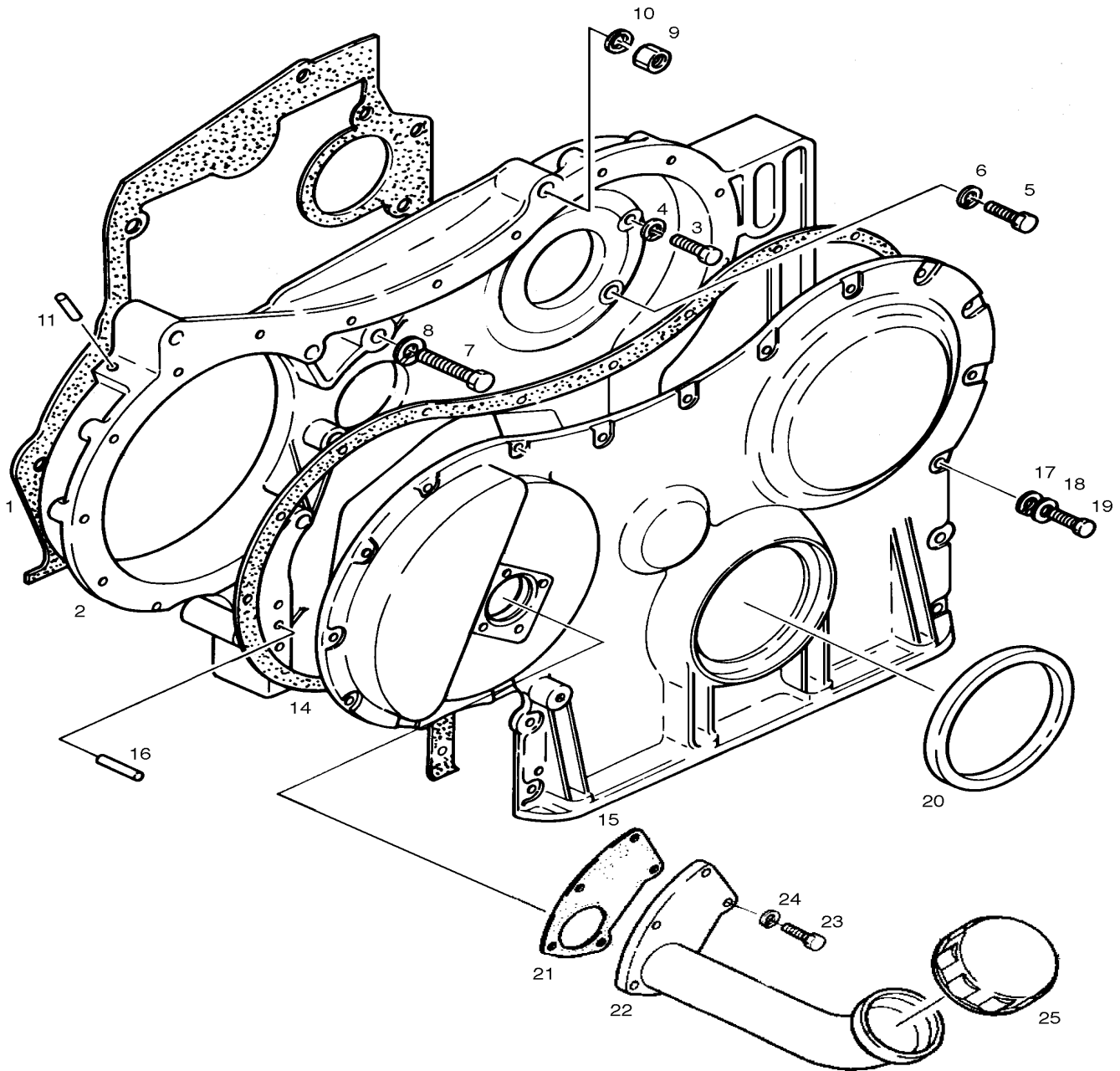


Fig. 012 TIMING GEAR CASE

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01903-0027	GASKET;TIMING GEAR CASE	1					
2	65.01304-0004	CASE;TIMING GEAR	1					
3	06.01283-7215	BOLT;HEX. M10X25	2					
3	06.01914-3215	BOLT ASS'Y M10X25	2					
4	06.16731-2108	WASHER;SPRING	2					
4	06.16731-2108	WASHER;SPRING	-					
5	06.01733-4311	BOLT;HEX. M12X1.5X30	6					
5	06.01943-3317	BOLT ASS'Y M12X1.5X30	6					
6	06.16731-2109	WASHER;SPRING A12	6					
6	06.16731-2109	WASHER;SPRING A12	-					
7	06.01493-4309	BOLT;HEX. M12X1.5X50	2					
8	06.16731-2109	WASHER;SPRING A12	2					
9	06.11063-9216	NUT;HEX. M12X1.5	1					
10	06.16731-2109	WASHER;SPRING A12	1					
11	06.22022-0712	PIN;DOWEL	1					
12	06.16731-2108	WASHER;SPRING	2					
13	06.01013-9219	BOLT;HEX. M10X1.5X70	2					
14	65.01903-0176	GASKET;TIMING GEAR CASE	1					
15	65.01305-5019	TIMING GEAR CASE COVER	1			I	65.01305-5032	1
15	65.01305-5032	TIMING GEAR CASE COVER	1					
16	06.22022-0908	PIN;DOWEL 6m6X12	2					
16	06.22022-0907	PIN;DOWEL 6M6X10	2					
17	06.15010-2309	WASHER;PLAIN	19					
17	06.90720-0003	WASHER A6.4	2					
18	06.16731-2105	WASHER	19					
18	06.16731-2105	WASHER	2					
19	06.01283-6914	BOLT;HEX. M6X22	19					
19	06.01923-2914	BOLT ASS'Y M6X22	17					
19	06.01283-6917	BOLT;HEX. M6X30	2					
20	65.01510-0018	SEAL;CRANK SHAFT(FRONT)	1			I	65.01510-0026	1
20	65.01510-0026	SEAL;CRANK SHAFT(FRONT)	1					
21	65.01908-0004	GASKET	1					
22	65.01813-5009	OIL PIPE ASS'Y	1					
23	06.01283-6913	BOLT;HEX. M6X20	5					
24	06.16731-2105	WASHER	5					
25	65.01810-5003	CAP;OIL FILLER	1					

Fig. 013 BEARING CASE

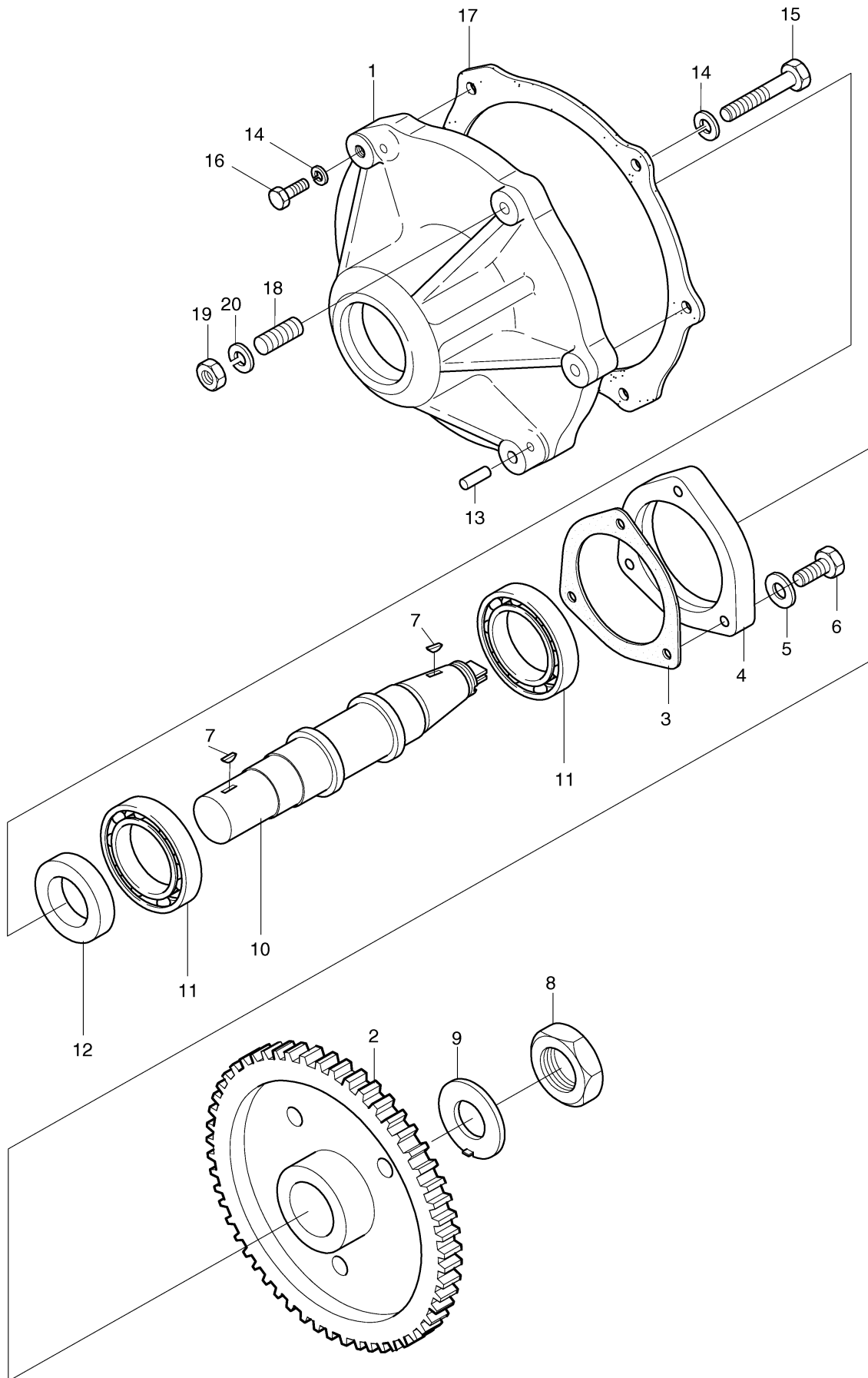


Fig. 013 BEARING CASE

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.11309-0002	CASE:INJECTION PUMP	1					
1	65.11309-0004	CASE:INJECTION PUMP	1					
2	65.11301-0009	GEAR:INJECTION PUMP DRIVE	1					
3	65.11308-0001	SHIM 0.50mm	1					
3	65.11308-0002	SHIM 0.20mm	1					
3	65.11308-0003	SHIM 0.15mm	1					
3	65.11308-0004	SHIM 0.10mm	1					
4	65.11312-0005	COVER:INJECTION PUMP	1					
4	65.11312-0007	COVER	1					
5	06.16731-2107	WASHER	3					
5	06.16731-2107	WASHER	-					
6	06.01283-7115	BOLT M8X25	3					
6	06.01913-3116	BOLT:HEX. M8X28	3					
7	06.29141-0215	KEY:WOODRUFF	1					
8	65.90501-0022	NUT:HEX. M24X1.5	1					
9	06.16050-0316	WASHER:LOCK	1					
10	65.11302-0006	SHAFT:INJECTION PUMP DRIVE	1					
11	06.32092-0307	BEARING:TAPER ROLLER	2					
12	65.01510-0151	SEAL:OIL	1					
13	06.22022-0912	PIN:DOWEL	2					
14	06.16731-2108	WASHER:SPRING	5					
14	06.16044-0211	WASHER:SPRING	2					
15	06.01013-9219	BOLT:HEX. M10X1.5X70	2					
15	06.01914-3225	BOLT:HEX. M10X70	2					
16	06.01013-9213	BOLT:HEX. M10X40	2					
17	65.11902-0004	GASKET	1					
17	65.11902-0012	GASKET	1			I	65.11902-0016	1
17	65.11902-0016	GASKET	1					
18	06.06225-0809	BOLT:STUD M10X35	1					
19	06.11063-8215	NUT:HEX. M10	1					
20	06.16731-2108	WASHER:SPRING	1					

Fig. 014 FLYWHEEL HOUSING

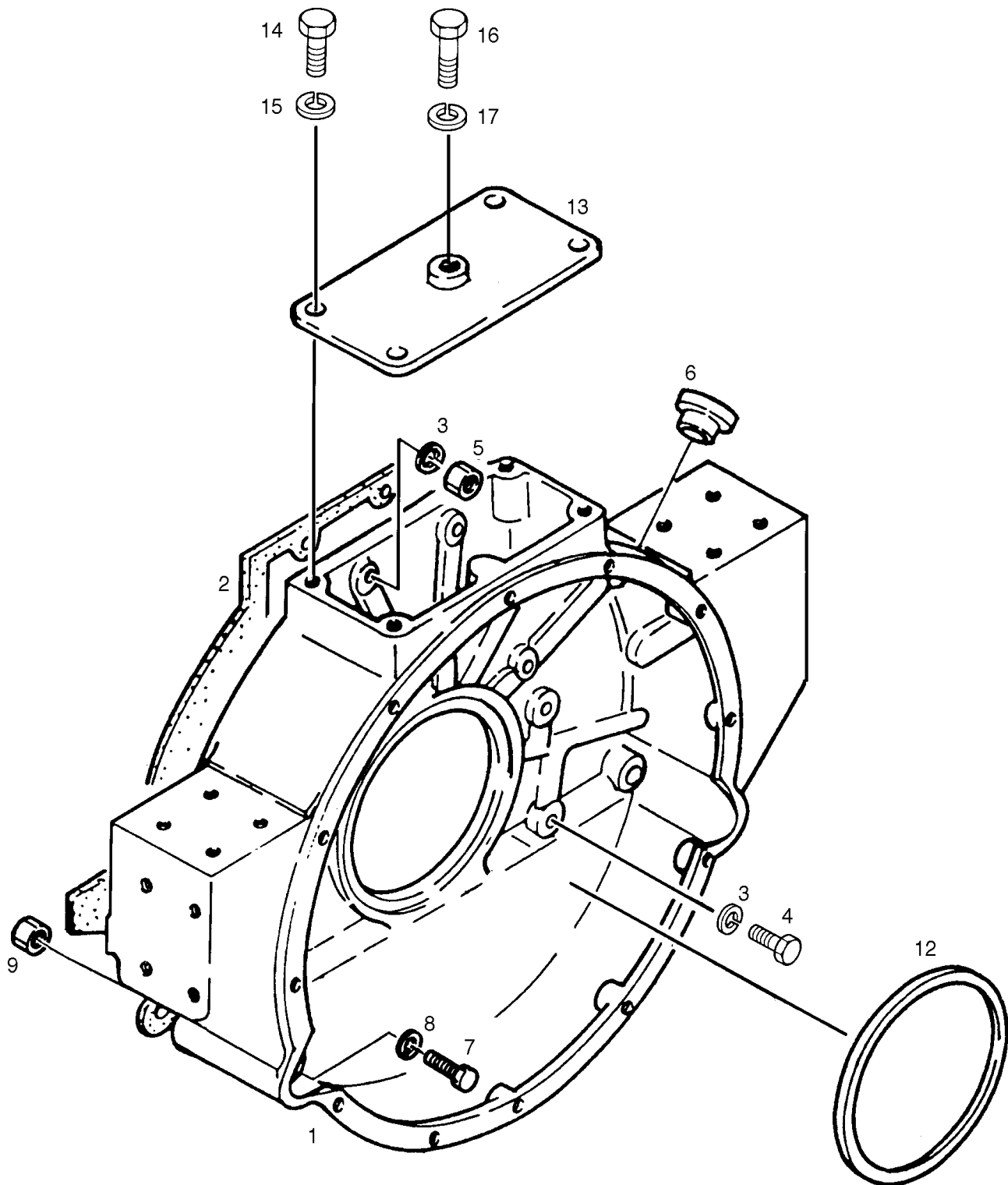


Fig. 014 FLYWHEEL HOUSING

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01401-0172	HOUSING;FLY WHEEL	1					
2	65.01904-0019	GASKET;FLY WHEEL HOUSING	1			I	65.01904-0022	1
2	65.01904-0022	GASKET;FLY WHEEL HOUSING	1					
3	06.16731-2109	WASHER;SPRING A12	10					
3	06.16731-2109	WASHER;SPRING A12	2					
4	06.01493-4308	BOLT;HEX. M12X1.5X45	8					
4	06.01943-3320	BOLT ASS'Y M12X1.5X45	8					
4	65.90001-6002	BOLT ASS'Y M12X1.5X45	10					
5	06.11063-9216	NUT;HEX. M12X1.5	2					
6	65.96002-0003	PLUG;RUBBER	1					
7	06.02074-0317	BOLT;REAMER M14X2X90	2					
8	06.16731-2110	WASHER;SPRING	2					
9	06.11063-8217	NUT;HEX. M14	2					
12	65.01510-0025	SEAL;CRANK SHAFT(REAR)	1			I	65.01510-0027	1
12	65.01510-0027	SEAL;CRANK SHAFT(REAR)	1					
13	65.91615-0010	COVER;BLIND	1					
14	06.01283-7215	BOLT;HEX. M10X25	4					
14	06.01914-3215	BOLT ASS'Y M10X25	4					
15	06.16731-2108	WASHER;SPRING	4					
15	06.16731-2108	WASHER;SPRING	-					
16	06.08092-2405	PLUG SCREW M16 X 1.5	1					
17	06.56190-0708	RING;SEAL	1					

Fig. 015 CRANK SHAFT ASS'Y

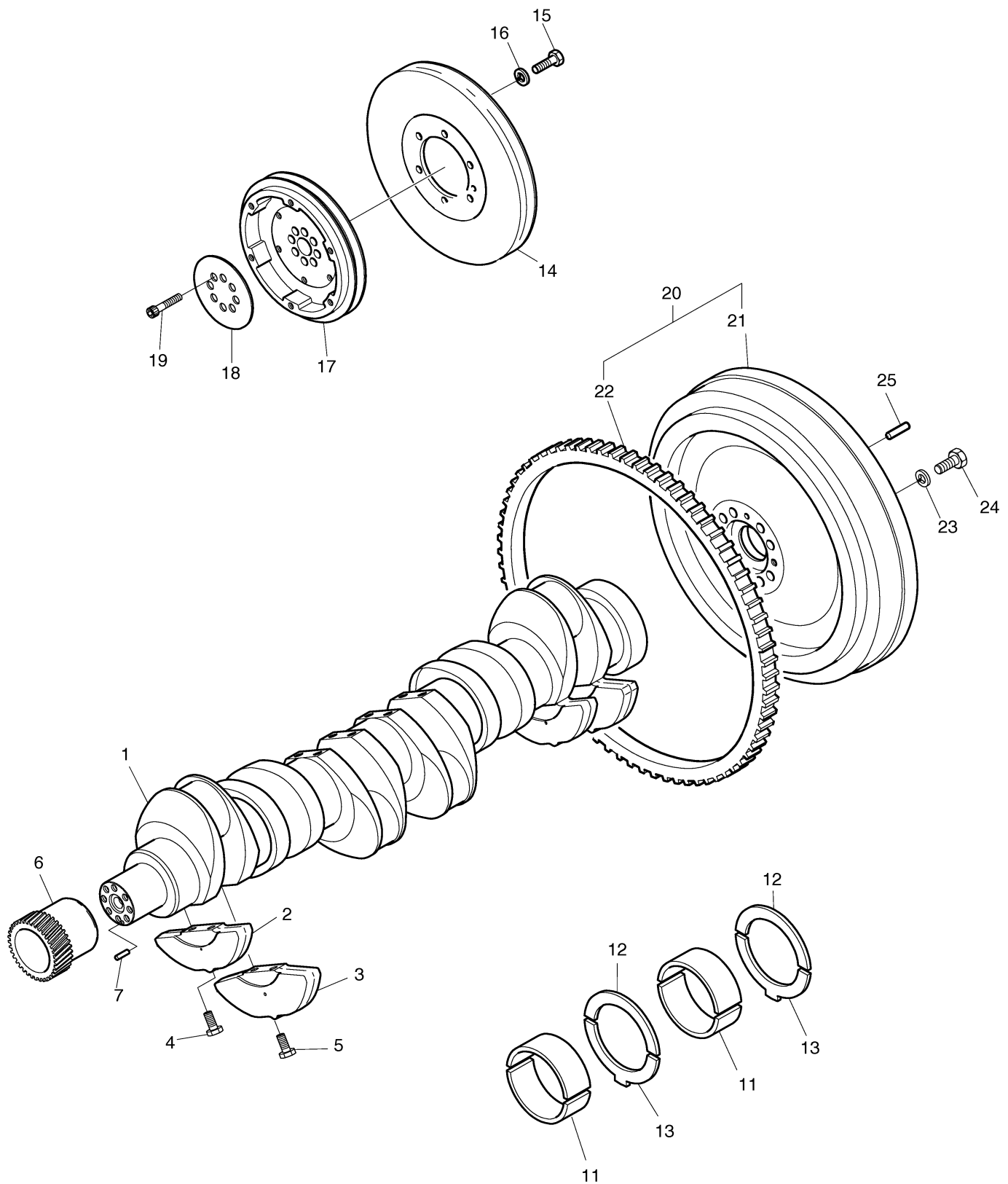


Fig. 015 CRANK SHAFT ASS'Y

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.02101-7025	CRANK SHAFT ASS'Y	1					
1	65.02101-7054	CRANK SHAFT ASS'Y	1					
2	65.02111-0014	WEIGHT;BALANCE	4					
3	65.02110-0013	WEIGHT;BALANCE	4					
4	65.90430-0012	BOLT;CRANK SHAFT	8					
4	65.90430-0012A	BOLT;CRANK SHAFT	8					
5	65.90430-0013	BOLT;CRANK SHAFT	8					
5	65.90430-0013A	BOLT;CRANK SHAFT	8					
6	65.02115-0040	GEAR;CRANK SHAFT	1					
7	06.22022-0912	PIN;DOWEL	1					
11	65.01110-6055	METAL;MAIN STD	7					
11	65.01110-6255	METAL;MAIN 0.25	7	US				
11	65.01110-6256	METAL;MAIN 0.50	7	US				
11	65.01110-6257	METAL;MAIN 0.75	7	US				
11	65.01110-6258	METAL;MAIN 1.00	7	US				
12	65.01150-0017	WASHER;THRUST(UPPER) STD	2					
12	65.01150-0027	WASHER;THRUST(UPPER) 0.25	2					
12	65.01150-0028	WASHER;THRUST(UPPER) 0.50	2					
12	65.01150-0029	WASHER;THRUST(UPPER) 0.75	2					
12	65.01150-0030	WASHER;THRUST(UPPER) 1.00	2					
13	65.11150-0018	WASHER;THRUST(LOWER) STD	2					
13	65.01150-0031	WASHER;THRUST(LOWER) 0.25	2					
13	65.01150-0032	WASHER;THRUST(LOWER) 0.50	2					
13	65.01150-0033	WASHER;THRUST(LOWER) 0.75	2					
13	65.01150-0034	WASHER;THRUST(LOWER) 1.00	2					
14	65.02201-7047	DAMPER;VIBRATION	1			T	65.02201-7023	1
14			-				65.02601-0149	1
14	65.02201-7023	DAMPER;VIBRATION	1					
15	06.01283-6915	BOLT;HEX M6X25	6					
15	06.01914-3215	BOLT ASS'Y M10X25	6					
16	06.16731-2108	WASHER;SPRING	6					
16	06.16731-2108	WASHER;SPRING	-					
17	65.02601-0087	PULLEY;V-BELT	1					
17	65.02601-0135	PULLEY;V-BELT	1					
17	65.02601-0149	PULLEY;V-BELT	1					
18	65.90720-0022	WASHER	1					

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
19	06.02106-0624	BOLT;SOCKET HEAD	8					
19	06.02106-0623	BOLT;SOCKET HEAD	8					
20	65.02301-5015	FLYWHEEL ASS'Y	1					
21	06.16731-0180	FLYWHEEL	1					
22	65.02310-0011	GEAR;RING	1					
23	06.16731-2110	WASHER;SPRING	8					
24	65.90001-0084	BOLT;HEX. M14X1.5X40	8					
25	06.22220-1208	PIN;SPIRAL LOCK 8X16	1					

Fig. 016 PISTON ASS'Y

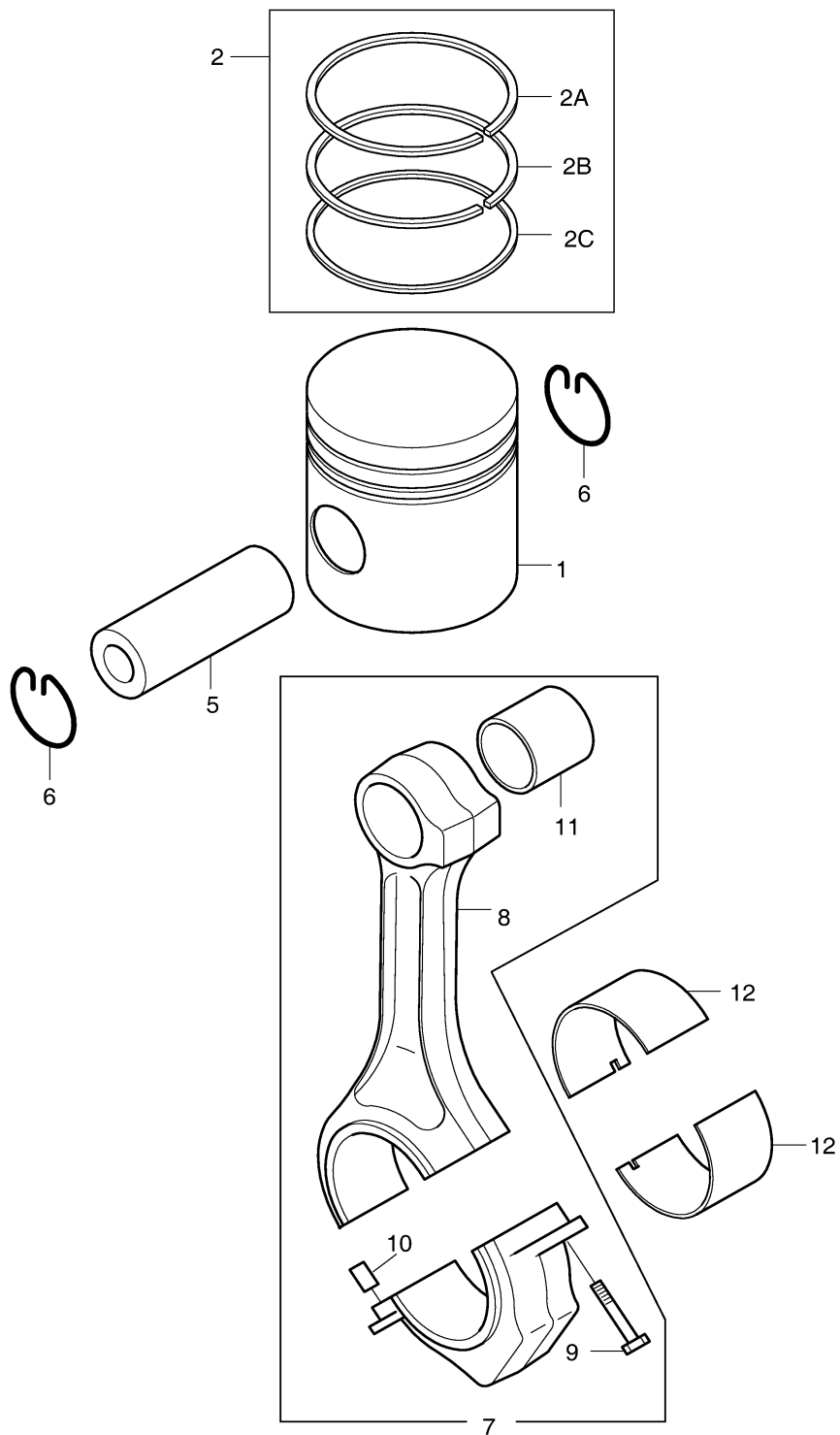


Fig. 016 PISTON ASS'Y

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.02501-0031	PISTON	6					
1	65.02501-0031G	PISTON	6					
2	65.02503-8236	PISTON RING KIT	1					
2A	-	RING;TOP	6	K				
2B	-	RING;2ND	6	K				
2C	-	RING;OIL	6	K				
5	65.02502-0050	PIN;PISTON	6					
6	06.29020-0127	RING;SNAP 45X1.75	12					
7	65.02401-6008	CONNECTING ROD ASS'Y	6		~300024			
7	65.02401-6012	CONNECTING ROD ASS'Y	6		300025~			
8	65.02401-0045	ROD;CONNECTING	6					
9	65.90020-0010	BOLT;CON. ROD	12					
9	65.90020-0010D	BOLT;CONNECTING ROD	12					
10	65.91301-0010	PIN;DOWEL	12					
11	65.02405-1001	BUSH;SMALL END	6					
12	65.02410-6078	METAL,CONNECTING ROD	6					
12	65.02410-6079	METAL,CONNECTING ROD	6					
12	65.02410-6080	METAL,CONNECTING ROD	6					
12	65.02410-6081	METAL,CONNECTING ROD	6					
12	65.02410-6082	METAL,CONNECTING ROD	6					

Fig. 017 CYLINDER HEAD

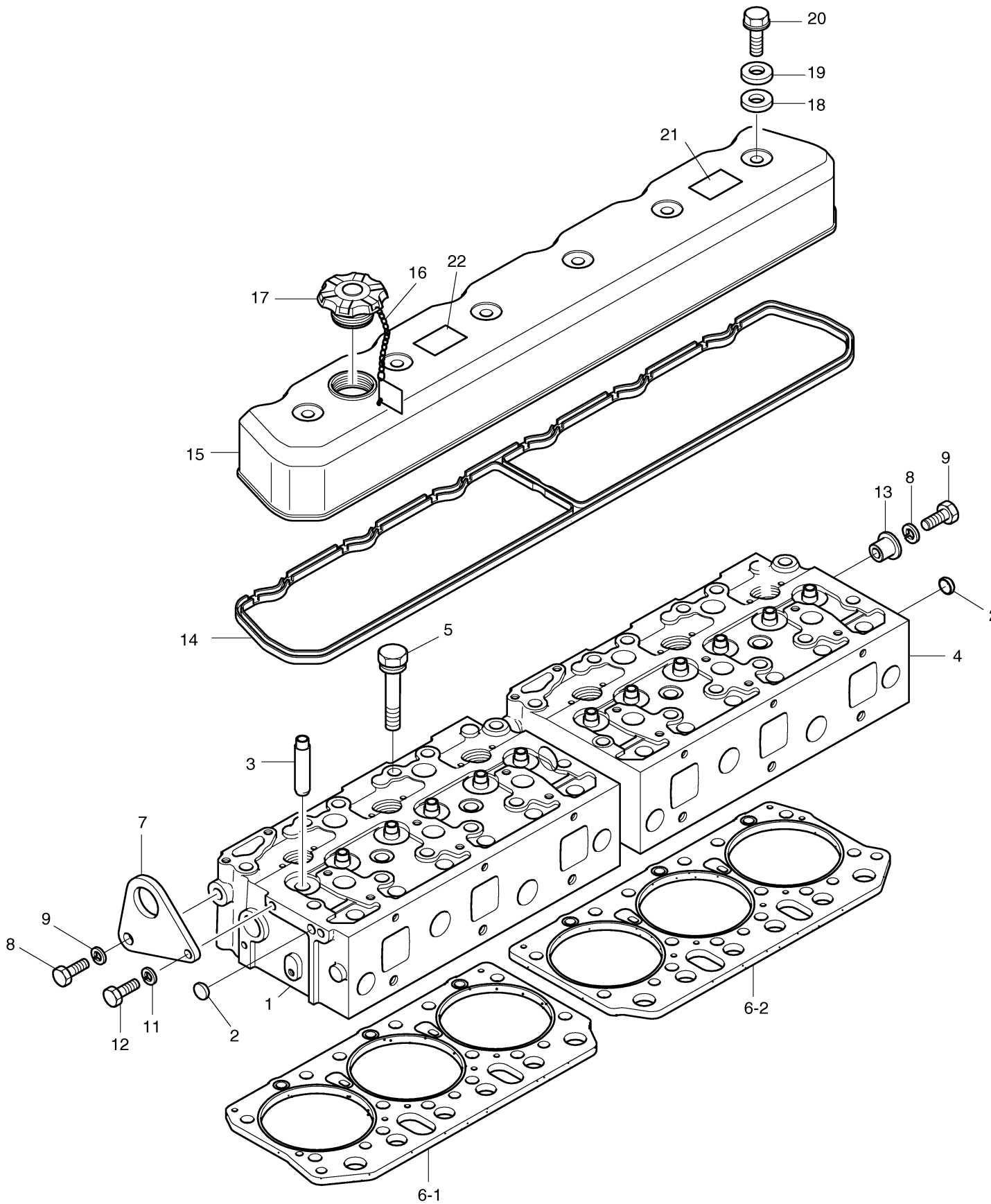
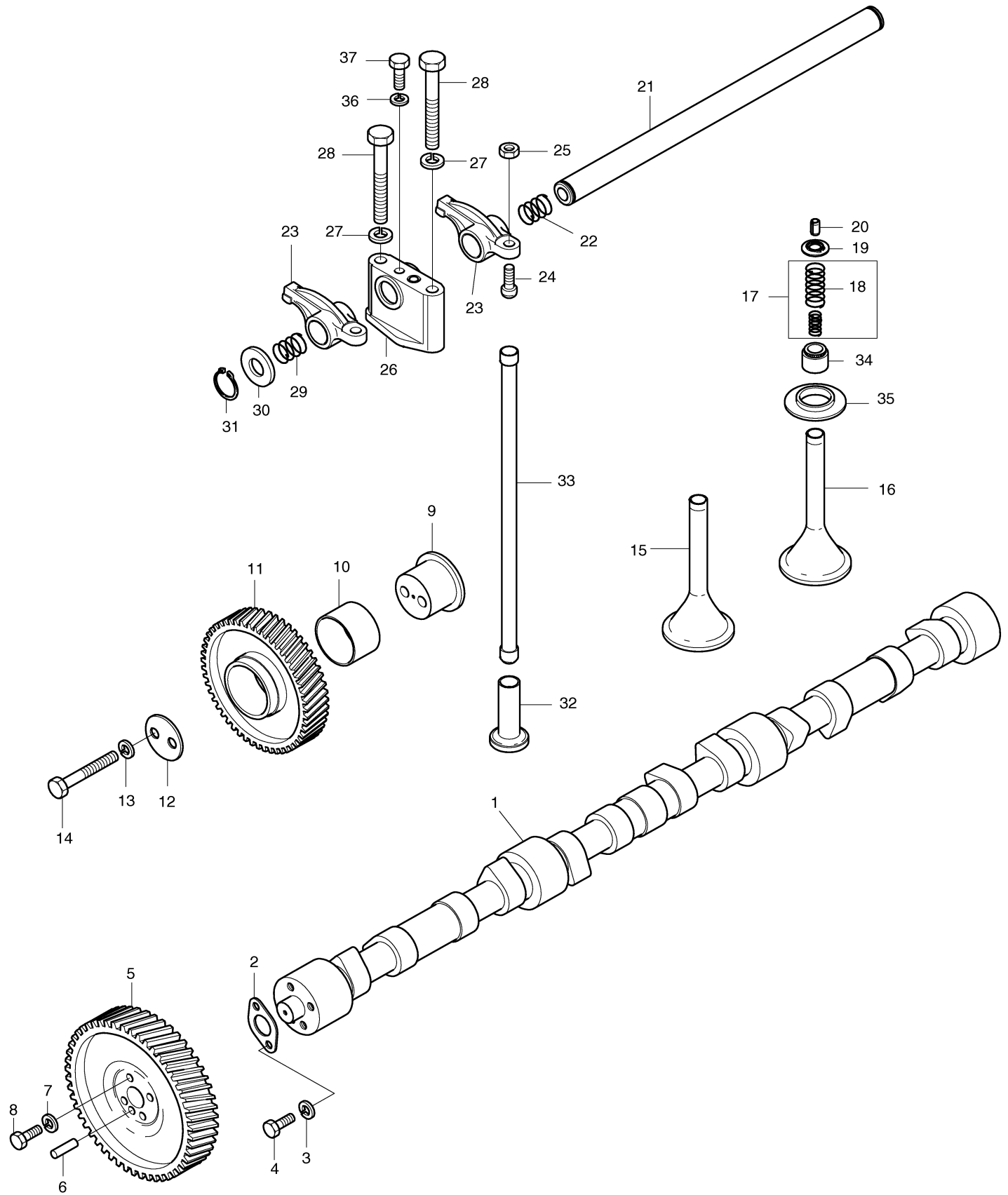


Fig. 017 CYLINDER HEAD

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.03101-6501	CYLINDER HEAD ASS'Y(FRONT)	1					
1	65.03101-6501H	CYLINDER HEAD ASS'Y(FRONT)	1					
1	65.03101-0301	HEAD:CYLINDER(FRONT)	1					
1	65.03101-0301U	HEAD:CYLINDER(FRONT)	1					
1	06.15091-0322	PLUG:CORE	2					
1	65.90302-0042	PLUG:CORE	2					
1	06.15091-0319	PLUG:CORE	5					
1	65.90302-0041	PLUG:CORE	6					
1	06.15091-0317	PLUG:CORE $\phi 25$	3					
1	65.90302-0048	CORE:PLUG	3					
1	06.15091-0315	PLUG:CORE $\phi 22$	1					
1	65.90302-0049	PLUG:CORE	3					
2	65.91001-0002	PLUG	2					
2	65.91001-0013	AVSEAL	2					
3	65.03201-1008	GUIDE:VALVE	12					
3	65.03203-1031	RING:VALVE SEAT(EXHAUST)	6					
3	65.03203-1042	SEAT:VALVE(EXHAUST)	6					
3	65.03203-1036	RING:VALVE SEAT(INTAKE)	6					
3	65.03203-1041	SEAT:VALVE(INTAKE)	6					
4	65.03101-6502	CYLINDER HEAD ASS'Y(REAR)	1					
4	65.03101-6502H	CYLINDER HEAD ASS'Y(REAR)	1					
4	65.03101-0302	HEAD:CYLINDER(REAR)	1					
4	65.03101-0302U	HEAD:CYLINDER(REAR)	1					
4	06.15091-0322	PLUG:CORE	2					
4	65.90302-0042	PLUG:CORE	2					
4	06.15091-0319	PLUG:CORE	5					
4	65.90302-0041	PLUG:CORE	6					
4	06.15091-0317	PLUG:CORE $\phi 25$	3					
4	65.90302-0048	CORE:PLUG	3					
5	65.90020-0034	BOLT:CYLINDER HEAD	28					
6-1	65.03901-0035	GASKET:CYLINDER	1					
6-1	65.03901-0049	GASKET:CYLINDER	1					
6-1	65.03901-0051	GASKET:CYLINDER	1					
6-2	65.03901-0036	GASKET:CYLINDER HEAD(REAR)	1					
6-2	65.03901-0050	GASKET:CYLINDER HEAD(REAR)	1					
6-2	65.03901-0052	GASKET:CYLINDER HEAD(REAR)	1					

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
7	65.41520-0002	BRACKET;HANGER(FRONT)	1					
8	06.01494-4408	BOLT;HEX. M14X1.5X45	1					
9	06.16731-2110	WASHER;SPRING	2					
10	06.01734-4411	BOLT;HEX. M14X1.5X30	1					
11	06.16731-2108	WASHER;SPRING	1					
11	06.16731-2108	WASHER;SPRING	-					
12	06.01283-7215	BOLT;HEX. M10X25	1					
12	06.01914-3215	BOLT ASS'Y M10X25	1					
13	65.91701-0275	SPACER	1					
14	65.03905-0014	GASKET;CYLINDER HEAD	1			I	65.03905-0018	1
14	65.03905-0018	GASKET	1					
15	65.03401-6018	COVER;CYLINDER HEAD	1					
15	65.03401-0034	COVER;CYLINDER HEAD	1					
16	65.92911-5001	CHAIN ASS'Y	1					
17	65.01810-0001	CAP;OIL FILLER	1					
18	65.03905-0009	PACKING	6			I	65.03905-0017	6
18	65.03905-0017	PACKING	6					
19	65.90701-0052	WASHER	6					
20	65.90020-0042	BOLT;HEX.	6					
20	65.90020-0012	BOLT;HEX.	6					
21	65.97871-0211	PLATE;NAME	1					
22	65.97801-0148	PLATE;CAUTION	1					
22	65.97801-0036	PLATE;CAUTION	1					

Fig. 018 ENGINE TIMING



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