

Fig. 011 CYLINDER BLOCK

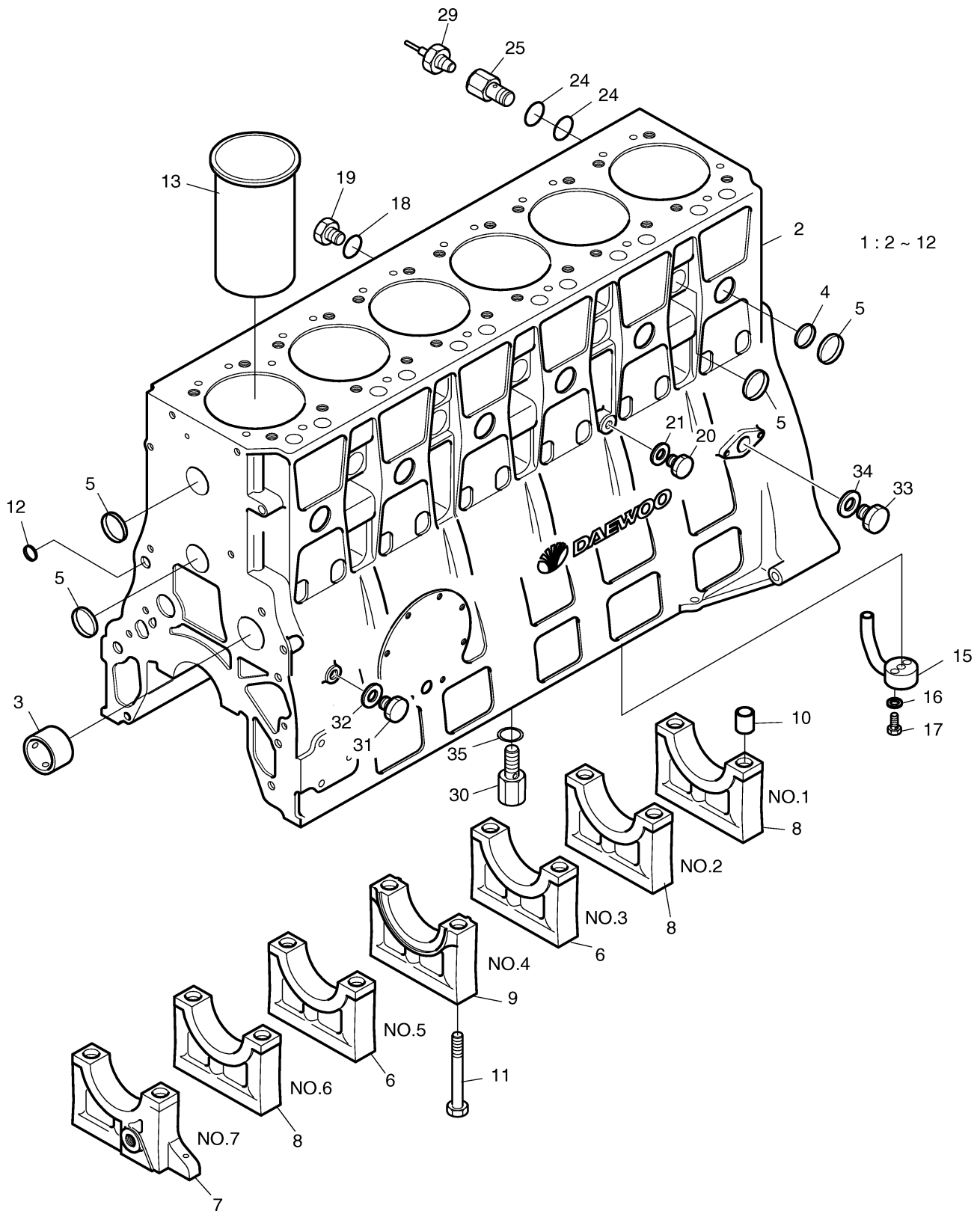


Fig. 011 CYLINDER BLOCK

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01101-6068A	CYLINDER BLOCK ASS'Y	1		~991011			
1	65.01101-6212	CYLINDER BLOCK ASS'Y	1		~020220	Y	65.01101-6212A	1
1	65.01101-6212A	CYLINDER BLOCK ASS'Y	1		020221~			
2	65.01101-0212	BLOCK:CYLINDER	1	D	~020220			
2	65.01101-0212A	BLOCK:CYLINDER	1	D	020221~			
3	65.04410-0016	BUSH:CAM SHAFT	4	B				
4	65.90302-0048	CORE:PLUG	6					
5	06.15091-0326	PLUG:CORE	15					
6	65.01105-1158E	CAP:BEARING(3.5)	2	D	~020220			
6	65.01105-1158F	CAP:BRARING(NO. 3.5)	2	D	020221~			
7	65.01105-1157F	CAP:BEARING(7)	1	D	~020220			
7	65.01105-1157G	CAP:BRARING(NO. 7)	1	D	020221~			
8	65.01105-1161	CAP:BEARING(1.2.6)	3	D	~020220			
8	65.01105-1161A	CAP:BRARING(NO. 1.2.6)	3	D	020221~			
9	65.01105-1159E	CAP:BEARING(THRUST)	1	D	~020220			
9	65.01105-1159F	CAP:BEARING	1	D	020221~			
10	65.91710-0035	RING:LOCATING	14		~030428	Y	65.91710-0035B	14
10	65.91710-0035B	RING:LOCATING	14		030429~			
11	65.90020-0036B	BOLT:BEARING CAP	14					
12	65.91606-0041	PLUG:CORE	2					
13	65.01201-0072	LINER:CYLINDER	6		~040706	Y	65.01201-0072A	6
13	65.01201-0072A	LINER:CYLINDER	6		040707~			
15	65.01601-6002	NOZZLE:OIL SPRAY	6					
16	06.16044-0208	WASHER:SPRING	12					
17	65.90001-0126	BOLT:HEX.	12					
18	06.56190-0718	RING:SEAL	1					
19	65.90310-0136	SCREW:PLUG	1					
20	65.90310-0137	SCREW:PLUG M16X1.5X20	1					
21	06.56190-0708	RING:SEAL	1					
24	06.56190-0704	RING:SEAL	2					
25	65.98150-0002	ADAPTER	1					
29	65.27441-7007	SWITCH:OIL PRESSURE	1					
30	65.05405-7021	RELIEF VALVE ASS'Y	1					
31	65.90310-0131	SCREW:PLUG	1					
32	06.56190-0712	RING:SEAL	1					
33	65.90310-0149A	SCREW:PLUG M26X1.5	1					

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
34	06.56190-0726	SEAL;RING	1					
35	06.56190-0704	RING;SEAL	1					

Fig. 012 TIMING GEAR CASE

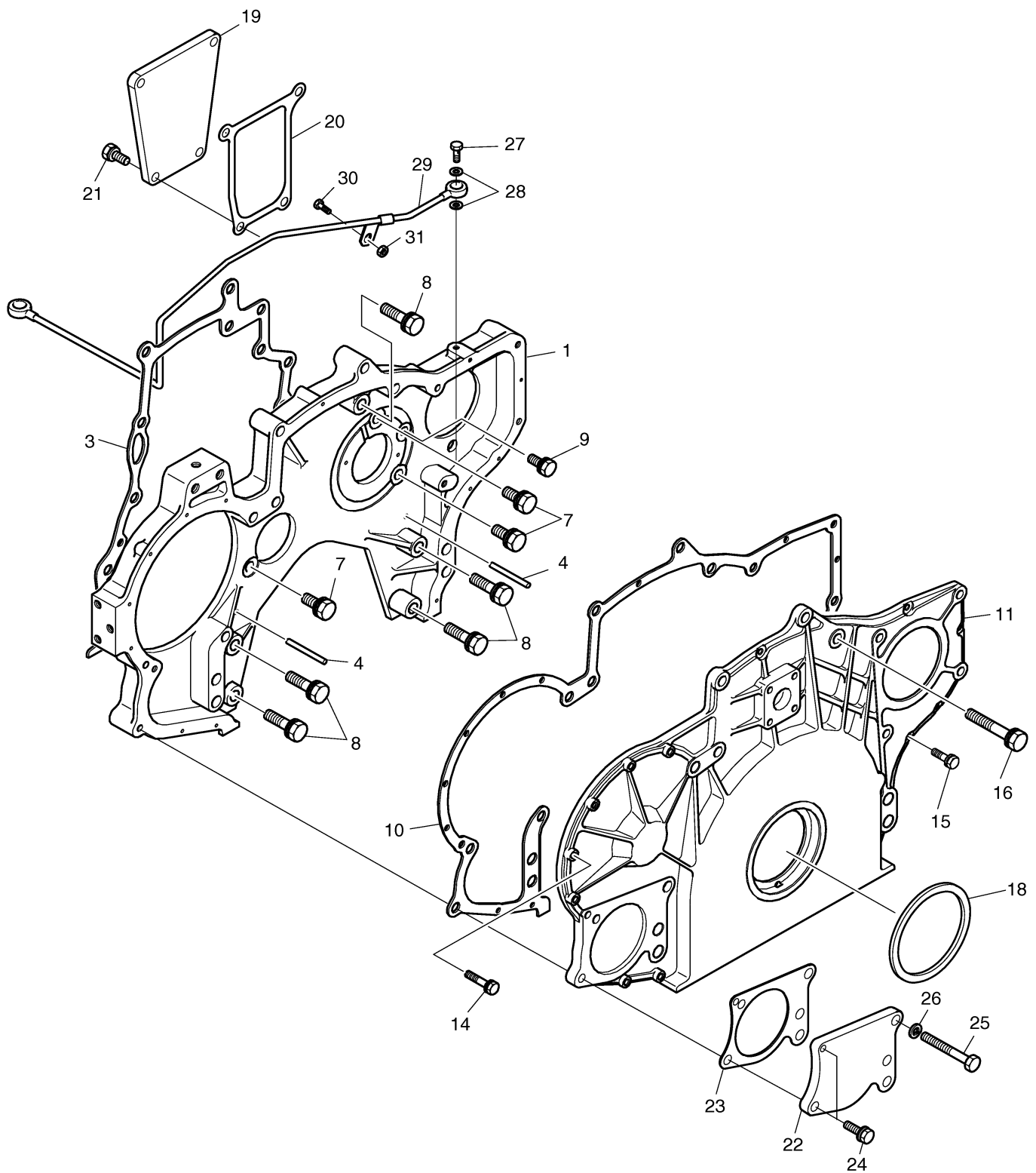


Fig. 012 TIMING GEAR CASE

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01304-0021A	CASE;TIMING GEAR	1		~000703	I	65.01304-0023C	1
1	65.01304-0023C	CASE;TIMING GEAR	1		000704~			
3	65.01903-0048	GASKET	1		~011026	Y	65.01903-0048B	1
3	65.01903-0048B	GASKET	1		011027~			
4	65.91010-0017	PIN;DOWEL Ø8m6X60	2					
7	06.01943-3317	BOLT ASS'Y M12X1.5X30	3					
8	06.01943-3320	BOLT ASS'Y M12X1.5X45	5					
9	06.01913-3215	BOLT ASS'Y M10X25	1					
10	65.01903-0050	GASKET;T.G.C COVER	1					
11	65.01305-5049F	COVER;TIMING GEAR CASE	1		~011022	Y	65.01305-5049G	1
11	65.01305-5049G	T.G.C. COVER ASS'Y	1		011023~			
14	06.01923-2917	BOLT ASS'Y M6X30	7					
15	06.01923-2914	BOLT ASS'Y M6X22	6					
16	06.01953-3326	BOLT ASS'Y M12X1.5X75	5					
18	65.01510-0157	SEAL;OIL	1					
19	65.91601-0003	COVER;BLIND	1		~040325			
19	65.91601-6003A	COVER;BLIND	1		040326~			
20	65.54901-0025A	GASKET;AIR COMPRESSOR	1					
21	06.01913-3217	BOLT M10X30	4					
22	60.91601-0010	COVER	1					
23	65.47901-0010	GASKET;P/S PUMP	1					
24	06.01913-3219	BOLT ASS'Y M10X40	2					
25	06.01013-9221	BOLT;HEX. M10X80	1					
26	06.16731-2108	WASHER;SPRING	1					
27	65.98150-0033	SCREW;HOLLOW	1					
28	06.56180-0712	RING;SEAL	2					
29	65.05701-5361	OIL PIPE ASS'Y	1					
30	06.01913-2910	BOLT;HEX. M6X12	1					
31	06.11063-8212	NUT	1					

Fig. 013 BEARING CASE

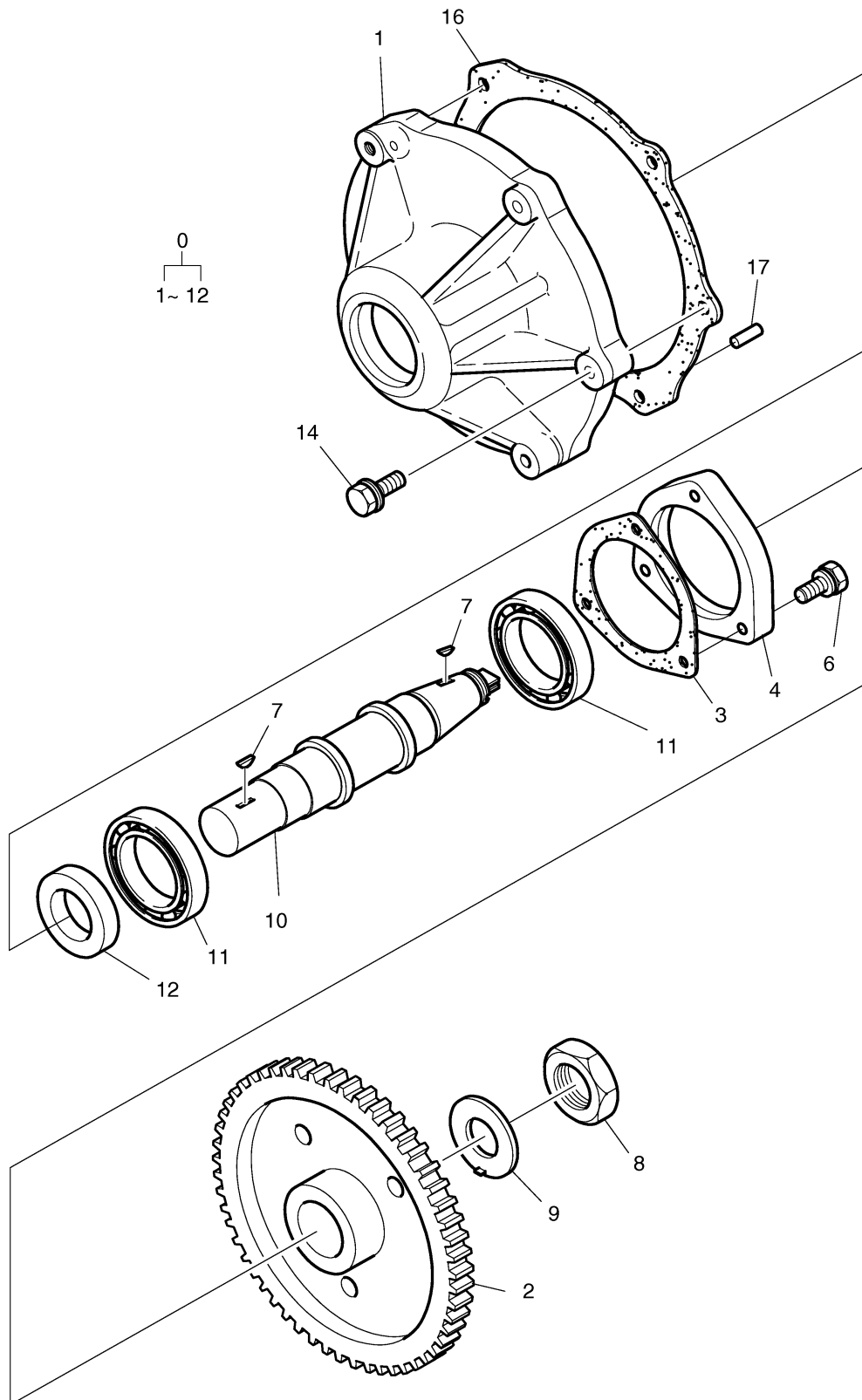


Fig. 013 BEARING CASE

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
0	65.11301-7010D	BEARING CASE ASS'Y	1		~001101	Y	65.11301-7010F	1
0	65.11301-7010F	INJECTION DRIVE ASS'Y	1		~051102	Y	65.11301-7010G	1
0	65.11301-7010G	INJECTION DRIVE ASS'Y	1		051103~			
1	65.11309-0010	CASE:INJECTION PUMP	1		~001101	Y	65.11309-0007A	1
1	65.11309-0007A	HOUSING:INJECTION DRIVE	1		001102~			
2	65.11301-0013A	GEAR:INJECTION PUMP DRIVE	1		~001101	Y	65.11301-0013C	1
2	65.11301-0013C	GEAR:INJECTION PUMP DRIVE	1		~051102	Y	65.11301-0013D	1
2	65.11301-0013D	GEAR:INJECTION PUMP DRIVE	1		051103~			
3	65.11308-0001	SHIM 0.50mm	1	R				
3	65.11308-0002	SHIM 0.20mm	1	R				
3	65.11308-0003	SHIM 0.15mm	1	R				
3	65.11308-0004	SHIM 0.10mm	1	R				
4	65.11312-0007	COVER	1					
6	06.01913-3115	BOLT ASS'Y M8X25	3					
7	06.29141-0215	KEY:WOODRUFF	2					
8	06.11250-4329	NUT:HEX M24X1.5	1					
9	06.16050-0316	WASHER:LOCK	1					
10	65.11302-0006	SHAFT:INJECTION PUMP DRIVE	1		~001101	Y	65.11302-0009A	1
10	65.11302-0009A	SHAFT	1		~051102	Y	65.11302-0009B	1
10	65.11302-0009B	SHAFT	1		051103~			
11	06.32092-0307	BEARING:TAPER ROLLER	2					
12	65.01510-0151	SEAL:OIL	1		~001101	Y	65.01510-0039	1
12	65.01510-0039	SEAL:OIL	1		001102~			
14	06.01913-3218	BOLT ASS'Y M10X35	3		~021107	I	65.90020-0079	3
14	65.90020-0079	BOLT:HEX ASS'Y M10X35	3		021108~			
16	65.11902-0017	GASKET	1					
17	06.22022-1022	PIN:DOWEL	1		~001101			

Fig. 014 FLYWHEEL HOUSING

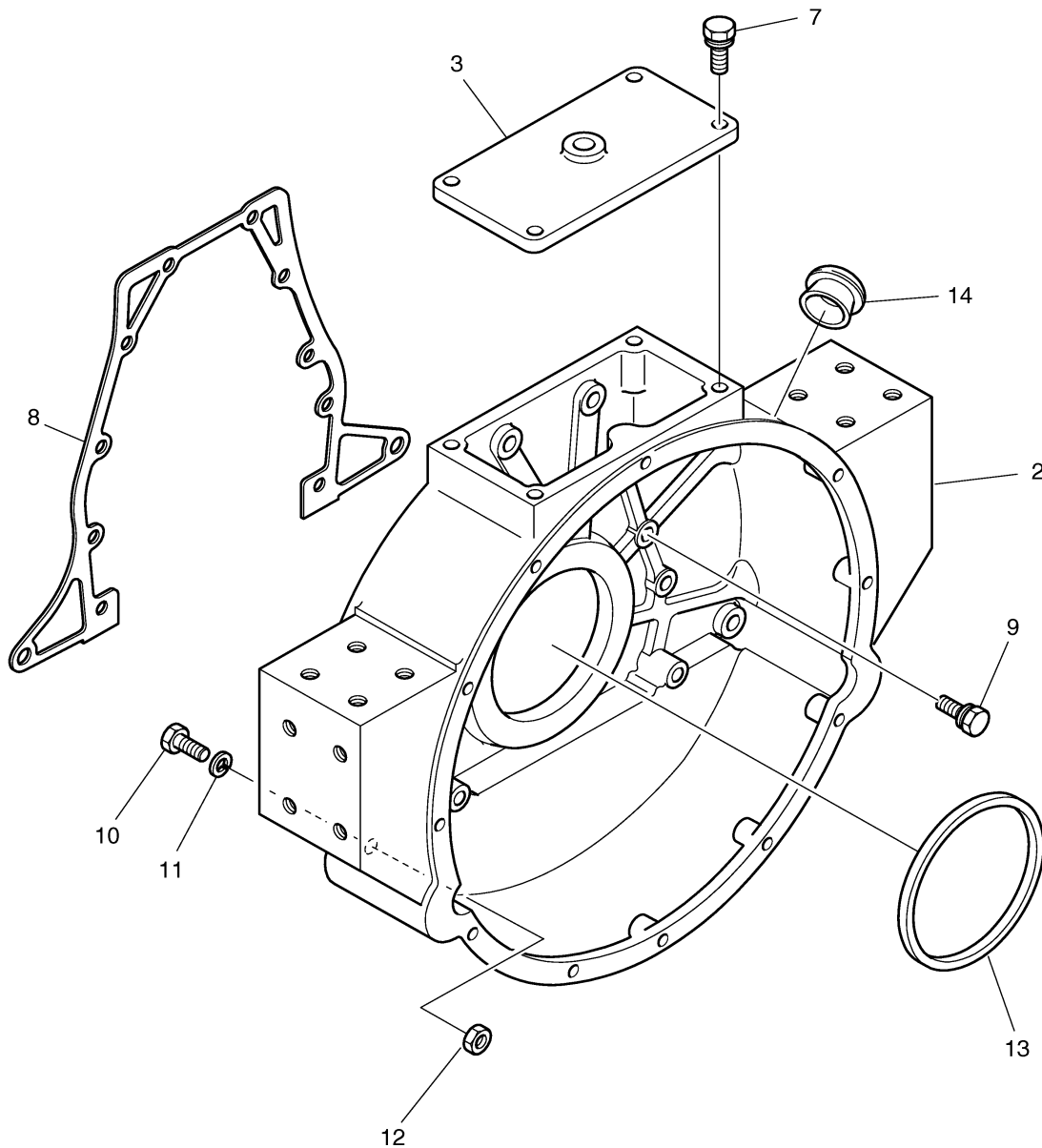


Fig. 014 FLYWHEEL HOUSING

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
2	65.01401-0172	HOUSING:FLY WHEEL	1		~010424		65.01401-0172F	1
2	65.01401-0172F	HOUSING:FLYWHEEL	1		010425~			
3	65.91615-0010	COVER:BLIND	1					
7	06.01914-3215	BOLT ASS'Y M10X25	4					
8	65.01904-0022A	GASKET:F.W.H	1					
9	65.90001-6002	BOLT ASS'Y M12X1.5X45	10					
10	06.02074-0317	BOLT:REAMER M14X2X90	2					
11	06.16731-2110	WASHER:SPRING	2					
12	06.11063-8217	NUT:HEX. M14	2					
13	65.01510-0027	SEAL:CRANK SHAFT(REAR)	1		~991122	Y	65.01510-0158	1
13	65.01510-0158	SEAL:OIL	1		991123~			
14	65.96002-0003	PLUG:RUBBER	1					

Fig. 015 CRANK SHAFT ASS'Y

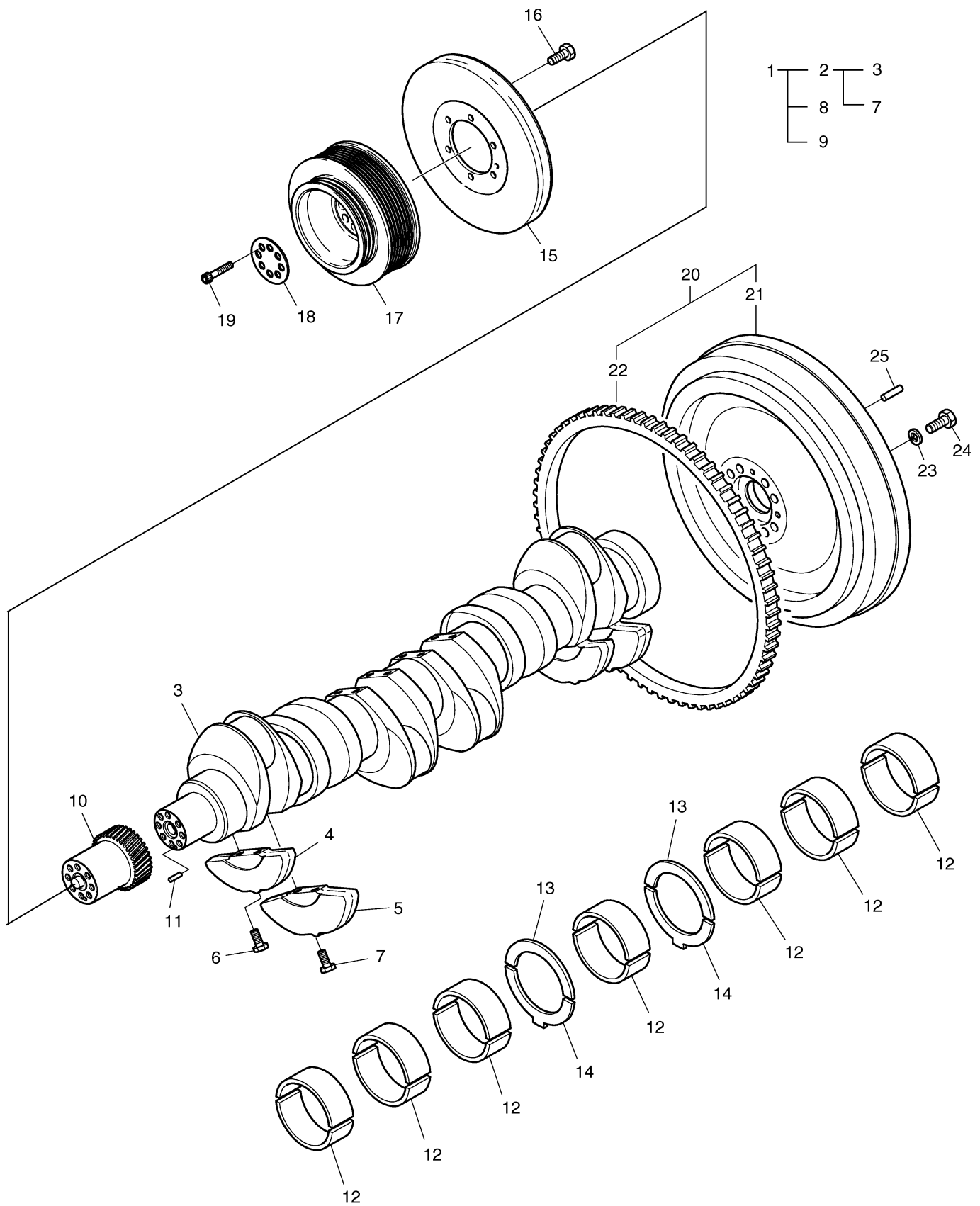


Fig. 015 CRANK SHAFT ASS'Y

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.02101-7541A	CRANK SHAFT ASS'Y	1	D	~020830	Y	65.02101-7541B	1
1	65.02101-7541B	CRANKSHAFT ASS'Y	1	D	020831~			
2	65.02101-7054A	CRANK SHAFT ASS'Y	1		~020830	Y	65.02101-7054B	1
2	65.02101-7054B	CRANK SHAFT ASS'Y	1		020831~			
3	65.02101-0054	SHAFT;CRANK	1	D	~020830			
3	65.02101-0054A	SHAFT;CRANK	1	D	020831~			
4	65.02110-0014	WEIGHT;BALANCE	4	D	~020830			
4	65.02110-0014E	WEIGHT;COUNTER	4	D	020831~			
5	65.02110-0013	WEIGHT;BALANCE	4	D	~020830			
5	65.02110-0013E	WEIGHT;COUNTER	4	D	020831~			
6	65.90430-0012B	BOLT;CRANK SHAFT	8					
7	65.90430-0013B	BOLT;CRANK SHAFT	8					
8	65.02101-0057	CRANK SHAFT ASS'Y	1		~020830	Y	65.02101-0057A	1
8	65.02101-0057A	SHAFT;CRANK	1		020831~			
9	65.02101-0060	CRANK SHAFT ASS'Y	1		~020830	Y	65.02101-0060A	1
9	65.02101-0060A	CRANK SHAFT ASS'Y	1		020831~			
10	65.02115-0008B	GEAR;CRANK SHAFT	1					
11	06.22022-0912	PIN;DOWEL	1					
12	65.01110-6055A	METAL;MAIN STD	7					
12	65.01110-6068A	METAL;MAIN 0.25	7	US				
12	65.01110-6069A	METAL;MAIN 0.50	7	US				
12	65.01110-6070A	METAL;MAIN 0.75	7	US				
13	65.01150-0017A	WASHER;THRUST	2					
13	65.01150-0048A	WASHER;THRUST 0.25	2	OS				
13	65.01150-0049A	WASHER;THRUST 0.50	2	OS				
14	65.01150-0018B	WASHER;THRUST	2					
14	65.01150-0052B	WASHER;THRUST 0.25	2	OS				
14	65.01150-0053B	WASHER;THRUST 0.50	2	OS				
15	65.02201-7032	DAMPER;VIBRATION	1					
16	06.01913-3215	BOLT ASS'Y M10X25	6		~040701	I	65.90020-0062B	6
16	65.90020-0062B	BOLT;HEX M10X20	6		040702~			
17	65.02601-0180	PULLEY;V-BELT	1					
18	65.90720-0022	WASHER	1		~010601	T	65.90701-0088	1
18			-				06.02106-0622	8
18	65.90701-0088	WASHER	1		010602~			
19	06.02106-0623	BOLT;SOCKET HEAD	8					

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
19	06.02106-0622	BOLT;SOCKET HEAD	8					
20	65.02301-5103	FLYWHEEL ASS'Y	1					
21	65.02301-0249	FLYWHEEL	1					
22	65.02310-0011B	GEAR;STARTER RING	1					
23	06.16731-2110	WASHER;SPRING	8					
24	65.90001-0084	BOLT;HEX. M14X1.5X40	8					
25	06.22022-1010	PIN;DOWEL	1					

Fig. 016 PISTON ASS'Y

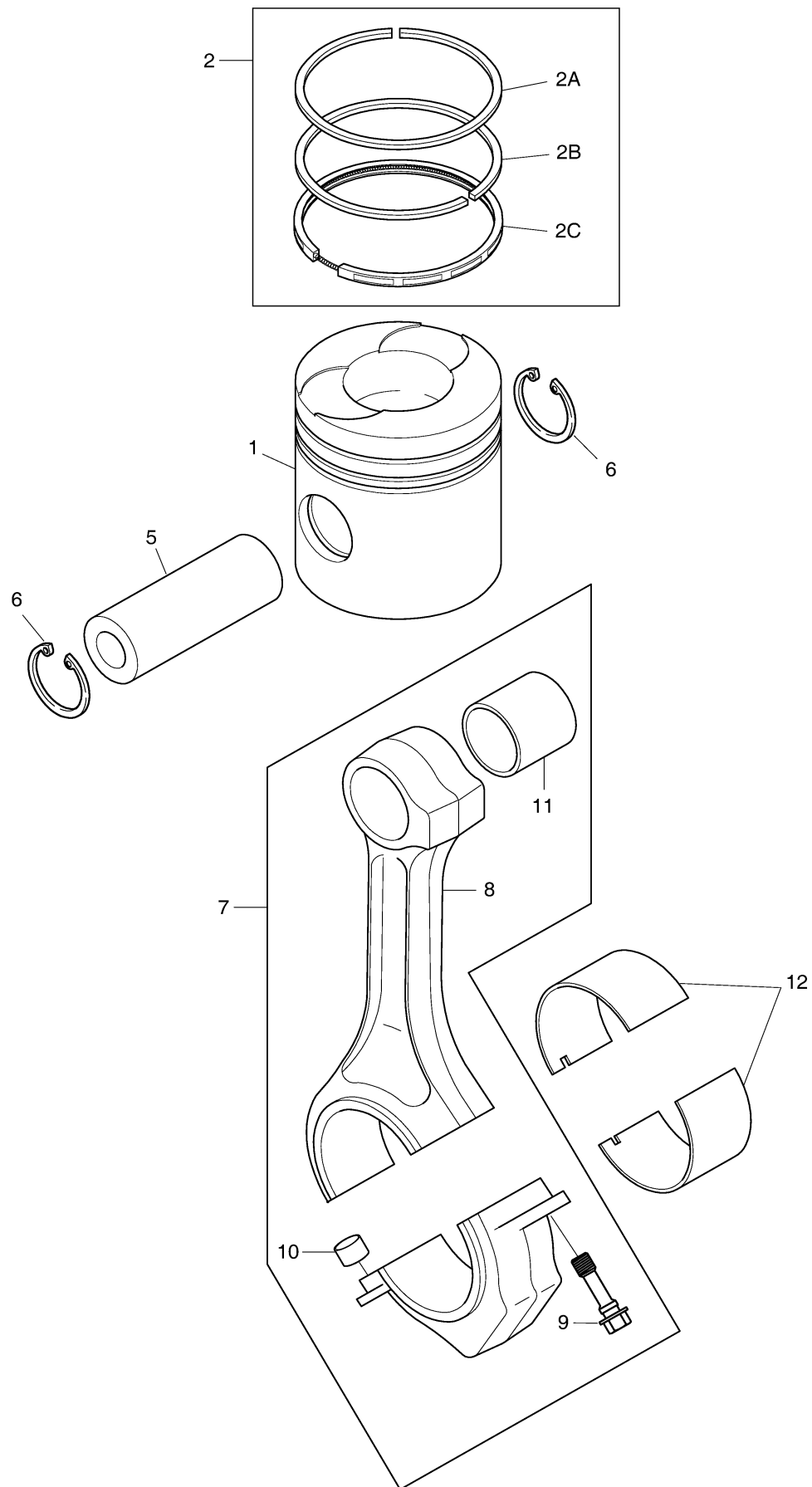


Fig. 016 PISTON ASS'Y

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.02501-0164A	PISTON	6		~990116	I	65.02501-0778A	6
1	65.02501-0778A	PISTON	6		990117~			
2	65.02503-8237	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	65.02401-6012E	CONNECTING ROD ASS'Y	6		~030206	Y	65.02401-6012F	6
7	65.02401-6012F	CONNECTING ROD ASS'Y	6		~041216	Y	65.02401-6012G	6
7	65.02401-6012G	CONNECTING ROD ASS'Y	6		041217~			
8	65.02401-0045E	ROD;CONNECTING	6	D	~030206			
8	65.02401-0045F	ROD;CONNECTING	6	D	~041216			
8	65.02401-0045G	ROD;CONNECTING	6	D	041217~			
9	65.90020-0010E	BOLT;CON-ROD	12					
10	65.91301-0010	PIN;DOWEL	12					
11	65.02405-1006	BUSH;CON-ROD	6	B				
12	65.02410-6106	METAL;CONNECTING ROD	6					
12	65.02410-6107	METAL;CONNECTING ROD 0.25	6	US				
12	65.02410-6108	METAL;CONNECTING ROD 0.50	6	US				
12	65.02410-6109	METAL;CONNECTING ROD 0.75	6	US				

Fig. 017 CYLINDER HEAD

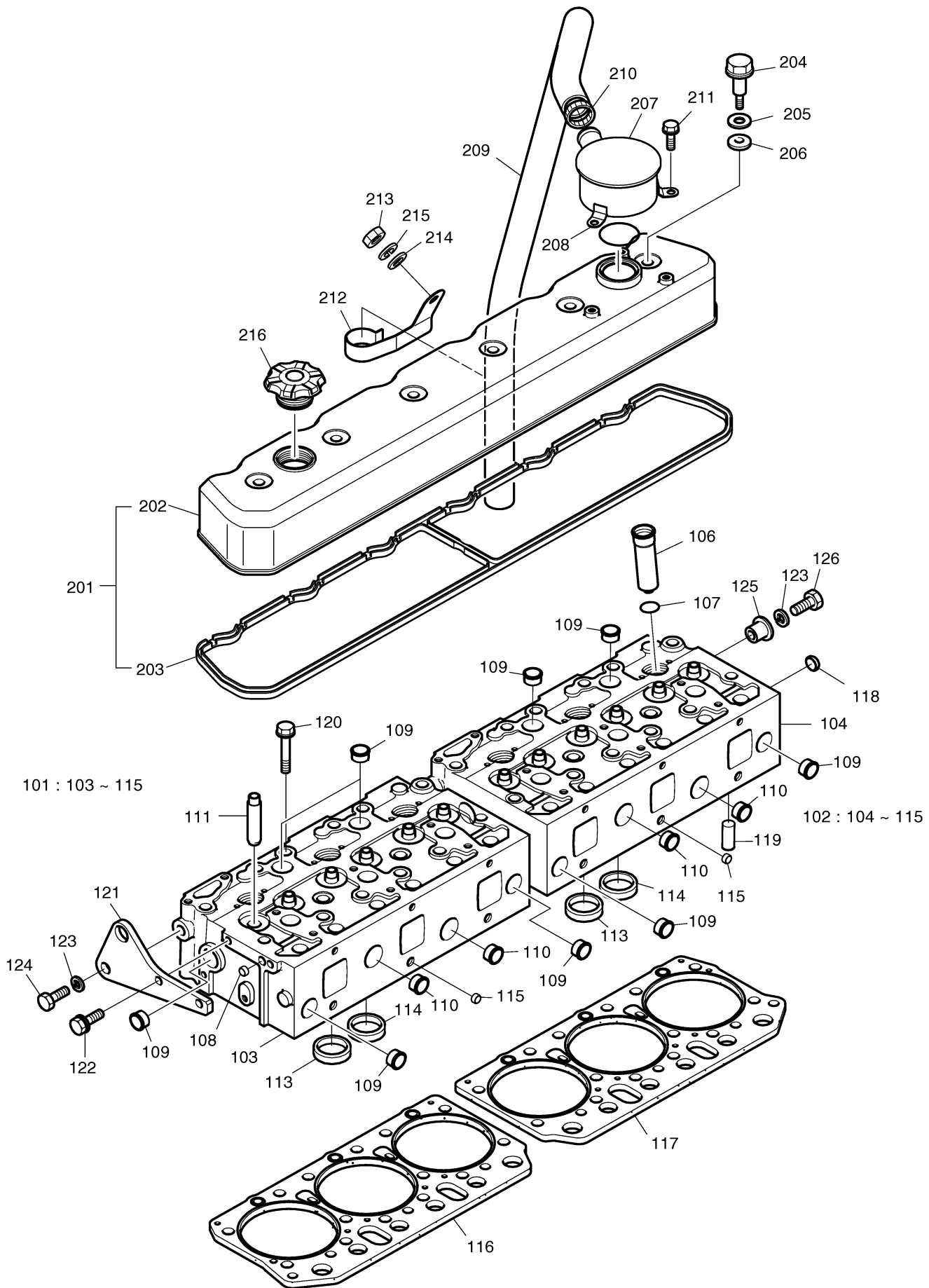


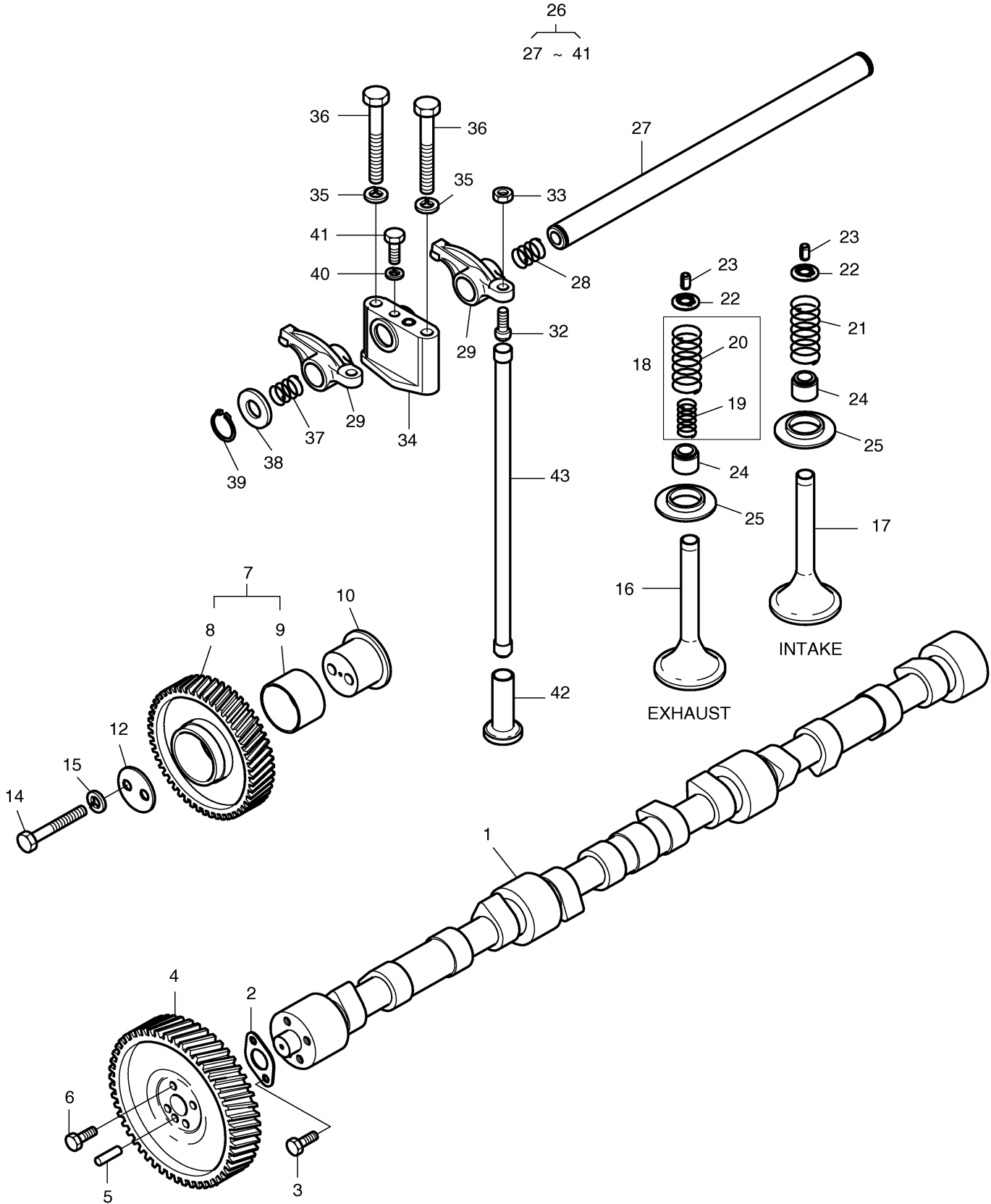
Fig. 017 CYLINDER HEAD

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
101	65.03101-6053E	CYLINDER HEAD ASS'Y(FRONT)	1		~011114	Y	65.03101-6053G	1
101	65.03101-6053G	CYLINDER HEAD ASS'Y(FRONT)	1		~030409	Y	65.03101-6053H	1
101	65.03101-6053H	CYLINDER HEAD ASS'Y(FRONT)	1		~040827	T	65.03101-6082A	1
101			-				65.03101-6083A	1
101			-				65.06301-6084	1
101			-				65.06903-0028	2
101	65.03101-6082A	CYLINDER HEAD ASS'Y	1		040828~			
103	65.03101-0003D	HEAD:CYLINDER	1	D	~011114	Y	65.03101-0003F	1
103	65.03101-0003F	HEAD:CYLINDER	1	D	~030409			
103	65.03101-0003G	HEAD:CYLINDER	1	D	~040827			
103	65.03101-1064	HEAD:CYLINDER	1	D	040828~			
106	65.03205-0002	NOZZLE:TUBE	3					
107	65.96501-0069	O-RING	3					
108	65.90302-0041	PLUG:CORE	9					
109	65.91001-0002	PLUG	1					
110	65.90302-0042	PLUG:CORE	2					
111	65.03201-1008E	GUIDE:VALVE	6	B	~040924	Y	65.03201-1008F	6
111	65.03201-1008F	GUIDE:VALVE	6	B	040925~			
113	65.03203-1042	SEAT:VALVE(EXHAUST)	3	B				
114	65.03203-1041	SEAT:VALVE(INTAKE)	3	B				
115	65.90302-0049	PLUG:CORE	3					
102	65.03101-6054E	CYLINDER HEAD ASS'Y(REAR)	1		~011114	Y	65.03101-6054F	1
102	65.03101-6054F	CYLINDER HEAD ASS'Y(REAR)	1		~020218	Y	65.03101-6054G	1
102	65.03101-6054G	CYLINDER HEAD ASS'Y(REAR)	1		~030409	Y	65.03101-6054H	1
102	65.03101-6054H	CYLINDER HEAD ASS'Y(REAR)	1		~040827	T	65.03101-6083A	1
102			-				65.03101-6082A	1
102			-				65.06301-6084	1
102			-				65.06903-0028	2
102	65.03101-6083A	CYLINDER HEAD ASS'Y	1		040828~			
104	65.03101-0004D	HEAD:CYLINDER	1	D	~011114			
104	65.03101-0004E	HEAD:CYLINDER	1	D	~020218			
104	65.03101-0004F	HEAD:CYLINDER	1	D	~030409			
104	65.03101-0004G	HEAD:CYLINDER	1	D	~040827			
104	65.03101-1065	HEAD:CYLINDER	1	D	040828~			
106	65.03205-0002	NOZZLE:TUBE	3					
107	65.96501-0069	O-RING	3					

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
108	65.90302-0041	PLUG:CORE	9					
109	65.91001-0002	PLUG	1					
110	65.90302-0042	PLUG:CORE	2					
111	65.03201-1008E	GUIDE:VALVE	6	B	~040924	Y	65.03201-1008F	6
111	65.03201-1008F	GUIDE:VALVE	6	B	040925~			
113	65.03203-1042	SEAT:VALVE(EXHAUST)	3	B				
114	65.03203-1041	SEAT:VALVE(INTAKE)	3	B				
115	65.90302-0049	PLUG:CORE	3					
116	65.03901-0053	GASKET:HEAD(FRONT)	1		~010210	Y	65.03901-0063	1
116	65.03901-0063	GASKET:HEAD(FRONT)	1		~020404	Y	65.03901-0063A	1
116	65.03901-0063A	GASKET:CYLINDER HEAD	1		020405~			
117	65.03901-0054	GASKET:HEAD(REAR)	1		~010210	Y	65.03901-0064	1
117	65.03901-0064	GASKET:CYLINDER HEAD(REAR)	1		~020404	Y	65.03901-0064A	1
117	65.03901-0064A	GASKET:CYLINDER HEAD	1		020405~			
118	65.91001-0002	PLUG	2		~001020	Y	65.91001-0013	2
118	65.91001-0013	AVSEAL	2		001021~			
119	06.22022-0907	PIN:DOWEL 6M6X10	4					
120	65.90020-0069	BOLT:CYL. HEAD	28		~001119	I	65.90021-0001A	28
120	65.90021-0001A	BOLT:COLLARED HEX.	28		001120~			
121	65.41520-0003	HANGER	1					
122	06.01913-3217	BOLT M10X30	1					
123	06.16731-2110	WASHER:SPRING	2					
124	06.01734-4411	BOLT:HEX. M14X1.5X30	1					
125	65.91701-0275	SPACER	1					
126	06.01494-4408	BOLT:HEX. M14X1.5X45	1					
201	65.03401-6046A	CYLINDER HEAD COVER ASS'Y	1		~970524	T	65.03401-6046B	1
201			-				65.90020-0074	6
201			-				65.90701-0202	6
201			-				65.03905-0023	6
201	65.03401-6046B	CYLINDER HEAD COVER ASS'Y	1		970525~			
202	65.03401-0048B	COVER:CYINDER HEAD	1					
203	65.03905-0020	PACKING	1					
204	65.90020-0012	BOLT:HEX.	6		~990524			
204	65.90020-0074	BOLT:COLLARED HEX.	6		990525~			
206	65.03905-0017A	GASKET	6		~990524			
206	65.03905-0023	GASKET:CYL. HEAD COVER	6		~020416	Y	65.03905-0023A	6
206	65.03905-0023A	GASKET:CYLINDER HEAD	6		020417~			
205	65.90701-0052	WASHER	6		~990524			

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
205	65.90701-0202	WASHER;PLATE	6		990525~			
207	65.01801-5099	HOUSING;BREATHER	1		~001101	Y	65.01801-5099A	1
207	65.01801-5099A	HOUSING;BREATHER	1		~020507	Y	65.01801-5099B	1
207	65.01801-5099B	HOUSING;BREATHER	1		020508~			
208	65.96501-0033B	O-RING	1					
209	65.96301-0301	HOSE;RUBBER	1					
210	06.67020-0105	CLAMP;HOSE	1					
211	06.01923-3113	BOLT ASS'Y M8X20	3					
212	65.97401-0164	CLIP;BREATHER HOSE	1					
213	06.11063-8214	NUT	1					
214	06.15010-2311	WASHER	1					
215	06.16731-2107	WASHER	1					
216	65.01810-5007	CAP;OIL FILLER	1					

Fig. 018 ENGINE TIMING



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