

Fig. 011 CYLINDER BLOCK

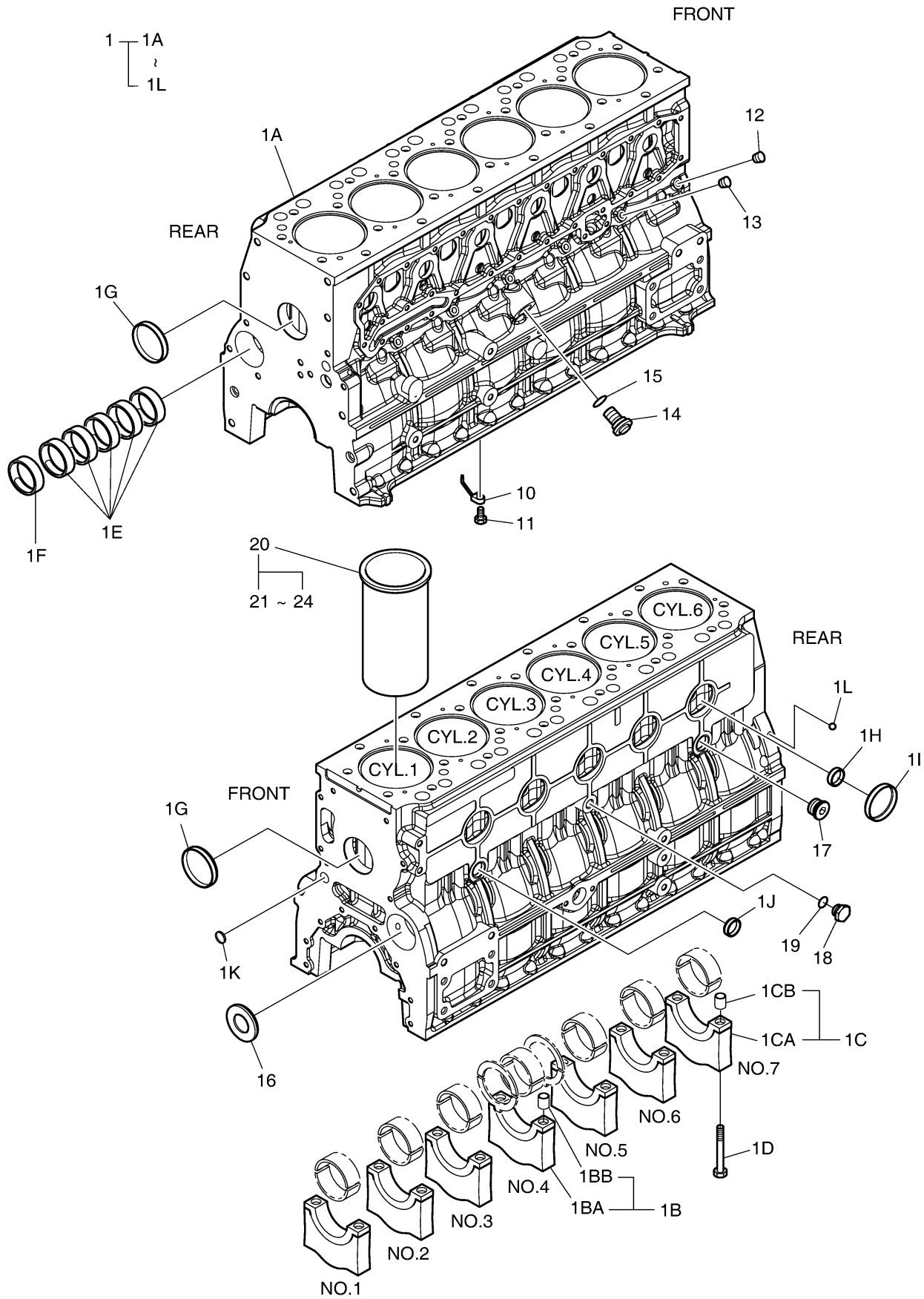


Fig. 011 CYLINDER BLOCK

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01101-6092A	CYLINDER BLOCK ASS`Y	1		~090729	Y	150102-00037	1
1	150102-00037	CYLINDER BLOCK ASS'Y	1		~110524	Y	150102-00037A	1
1	150102-00037A	BLOCK,CYLINDER	1		110525~			
1A	65.01101-0054	CYLINDER BLOCK	1	D	~070611			
1A	65.01101-0056A	CYLINDER BLOCK	1	D	~110524			
1A	150102-00373	BLOCK,CYLINDER	1	D	110525~			
1B	65.01105-6005B	BEARING CAP ASS`Y(No:3)	1	D	~090729			
1B	140202-00016	THRUST BEARING CAP ASS'Y	1	D	090730~			
1BA	65.01105-1051B	CAP:BEARING	1	D	~090729			
1BA	140202-00017	BEARING CAP:THRUST	1	D	090730~			
1BB	65.91710-0001	RING:STOPPER	2					
1C	65.01105-6006B	BEARING CAP ASS`Y	6	D	~090729			
1C	140202-00018	BEARING CAP ASS'Y	6	D	090730~			
1CA	65.01105-1052B	CAP:BEARING	1	D	~090729			
1CA	140202-00019	BEARING CAP	1	D	090730~			
1CB	65.91710-0001	RING:STOPPER	2					
1D	65.90020-0066A	BOLT:BRG CAP	14					
1E	65.04410-0021A	BUSH:CAMSHAFT	6	B				
1F	65.04410-0022	BUSH:CAMSHAFT	1	B				
1G	65.90302-0009	PLUG:CORE	2					
1H	65.90302-0042	PLUG:CORE	8					
1I	65.90302-0034	PLUG:CORE	5					
1J	65.90302-0041	PLUG:CORE	1					
1K	65.91606-0041	PLUG:CORE	2					
1L	06.31641-0618	BALL:STEEL	1					
10	65.01601-5020	OIL SPRAY NOZZLE ASS'Y	6					
11	65.05401-5031	RELIEF VALVE ASS'Y	6					
12	65.90320-0022	PLUG SCREW PT1/8	1					
13	65.91001-0013A	PIN:CORE	6					
14	65.05401-5002F	RELIEF VALVE ASS'Y	1		~070416	Y	65.05401-5002G	1
14	65.05401-5002G	RELIEF VALVE	1		070417~			
15	06.56021-0102	O-RING	1					
16	65.91605-0002	COVER:CORE HOLE	1					
17	65.90310-0134	SCREW:PLUG	1					
18	65.90310-0135	PLUG:SCREW	1					
19	06.56190-0705	RING:SEAL	1					

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
20	65.01201-0075A	CYLINDER LINER-GRADE	6	D				
21	65.01201-0076	LINER;CYLINDER-1A	6					
22	65.01201-0077	LINER;CYLINDER-1B	6					
23	65.01201-0078	LINER;CYLINDER-2A	6					
24	65.01201-0079	LINER;CYLINDER-2B	6					

Fig. 012 TIMING GEAR CASE

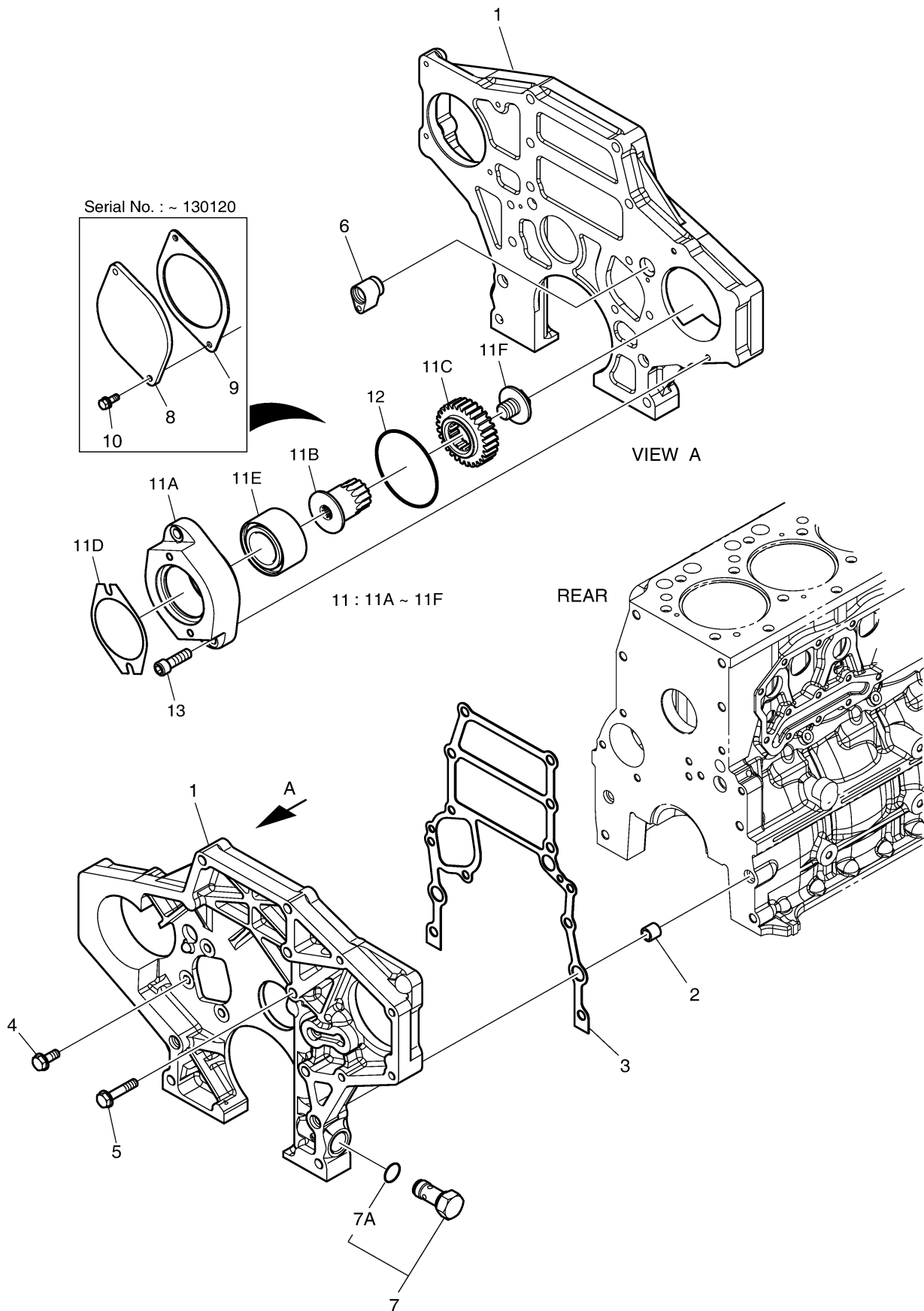


Fig. 012 TIMING GEAR CASE

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01304-0029	CASE;TIMING GEAR	1		~070515	Y	65.01304-0029A	1
1	65.01304-0029A	CASE;TIMING GEAR	1		070516~			
2	65.91710-0016	RING;STOPPER	2					
3	65.01903-0034	GASKET	1					
4	65.90020-0063B	BOLT;HEX M10X25	3					
5	65.90020-0080	BOLT;COLLARED HEX.	1					
6	65.98130-0241	ADAPTER	1					
7	65.05401-5032	RELIEF VALVE ASS'Y	1		~090319	Y	65.05401-5032A	1
7	65.05401-5032A	RELIEF VALVE ASS'Y	1		090320~091116	I	410127-00040	1
7	410127-00040	RELIEF VALVE ASS'Y	1		091117~			
7A	65.96501-0074	O-RING	1					
8	65.91601-0009	COVER	1		~100415	I	65.91601-0011	1
8	65.91601-0011	COVER	1		100416~130120			
9	65.38901-0018A	GASKET;PTO	1		~130120			
10	06.01943-3317	BOLT ASS'Y M12X1.5X30	2		~100415			
10	06.01943-3318	BOLT ASS'Y M12X1.5X35	2		100416~130120			
11	130807-00020A	PTO ASSY	1		130121~			
11A	110978-00006	HOUSING,PTO	1		130121~			
11B	130712-01038	SHAFT,DRIVE	1		130121~			
11C	130412-00127	GEAR,PUMP DRIVE	1		130121~			
11D	400602-00642	GASKET	1		130121~			
11E	140107-00069	BEARING;ROLLER	1		130121~			
11F	120121-00032	BOLT;HEX.	1		130121~			
12	06.56020-0118	RING,O	1		130121~			
13	06.02101-0617	SCREW,HEX SOCKET HEAD CAP	2		130121~			

Fig. 013 FLY WHEEL HOUSING

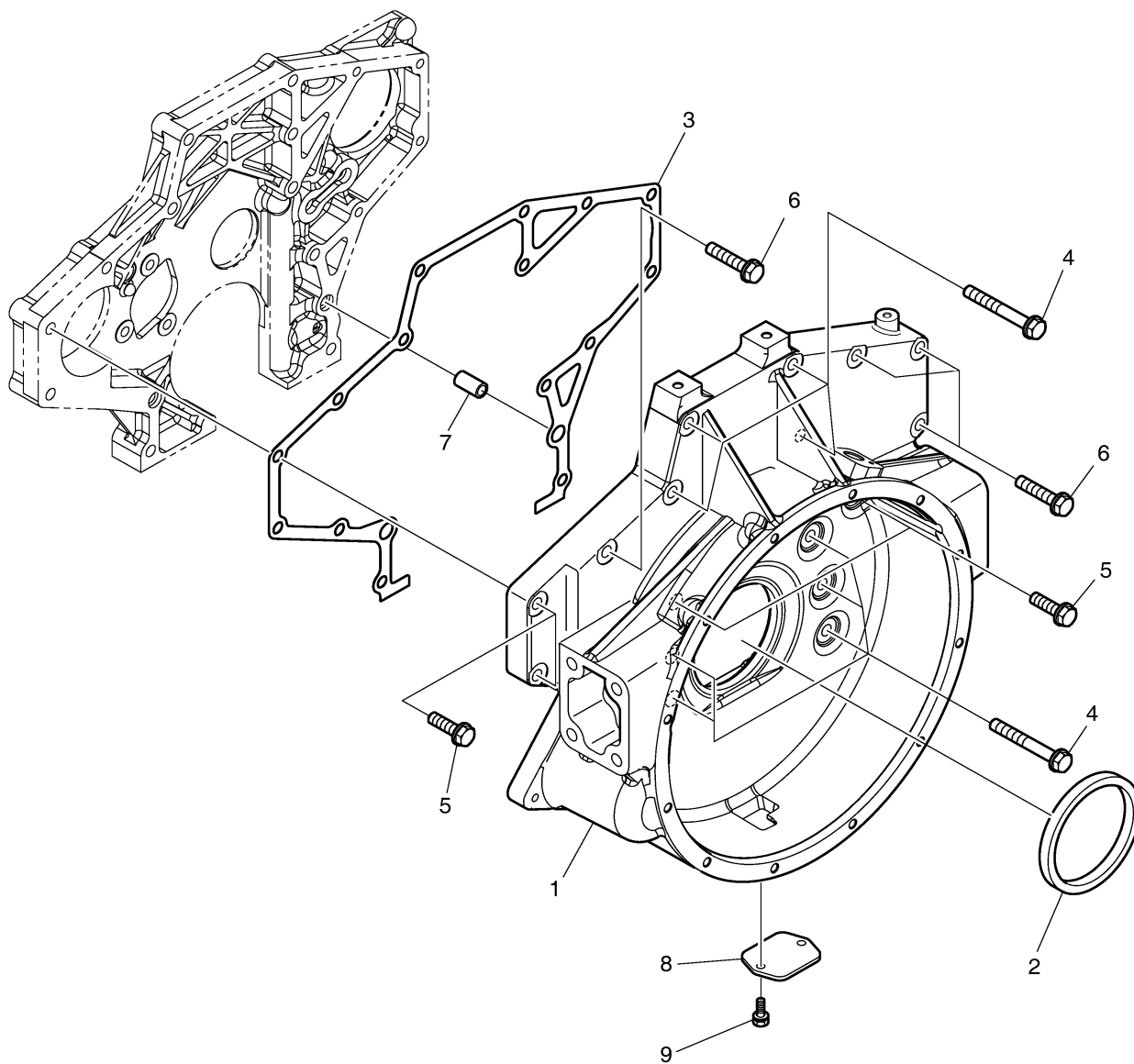


Fig. 013 FLY WHEEL HOUSING

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01401-0253A	HOUSING;FLYWHEEL	1		~070312	Y	65.01401-0253B	1
1	65.01401-0253B	HOUSING;FLYWHEEL	1		~110523	I	150114-00097A	1
1	150114-00097A	HOUSING ASSY,FLYWHEEL	1		~111017	Y	150114-00097B	1
1	150114-00097B	FLYWHEEL HOUSING ASS'Y	1		111018~			
2	65.01510-0040	SEAL;OIL	1					
3	65.01904-0032	GASKET	1		~110523	I	400613-00006	1
3	400613-00006	GASKET:F.W.H	1		110524~			
4	65.90020-0100	BOLT, 103mm	9					
5	65.90020-0101	BOLT, 57mm	4					
6	65.90020-0105	BOLT, 67mm	4					
7	65.91710-0009	RING;STOPPER	2					
8	65.01414-0004A	COVER	1					
9	06.01923-3111	BOLT, M8X16	2					

Fig. 014 OIL SEAL

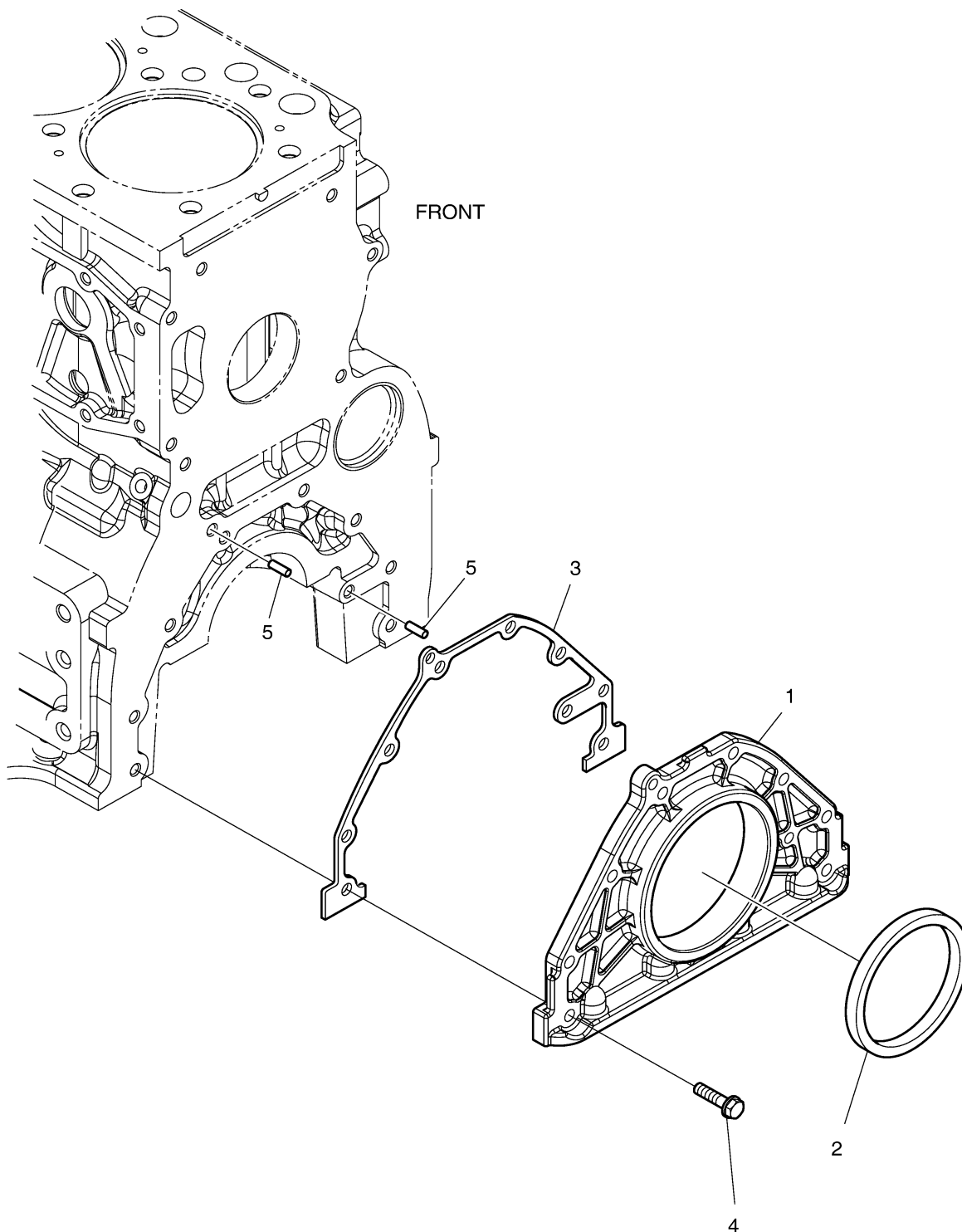


Fig. 014 OIL SEAL

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01501-5003A	COVER;SEALING	1					
2	65.01510-0157	SEAL;OIL	1					
3	65.01905-0009	GASKET	1					
4	06.01923-3116	BOLT ASS'Y M8X28	8					
5	06.22022-1063	PIN	2					

Fig. 015 BREATHER [100530]

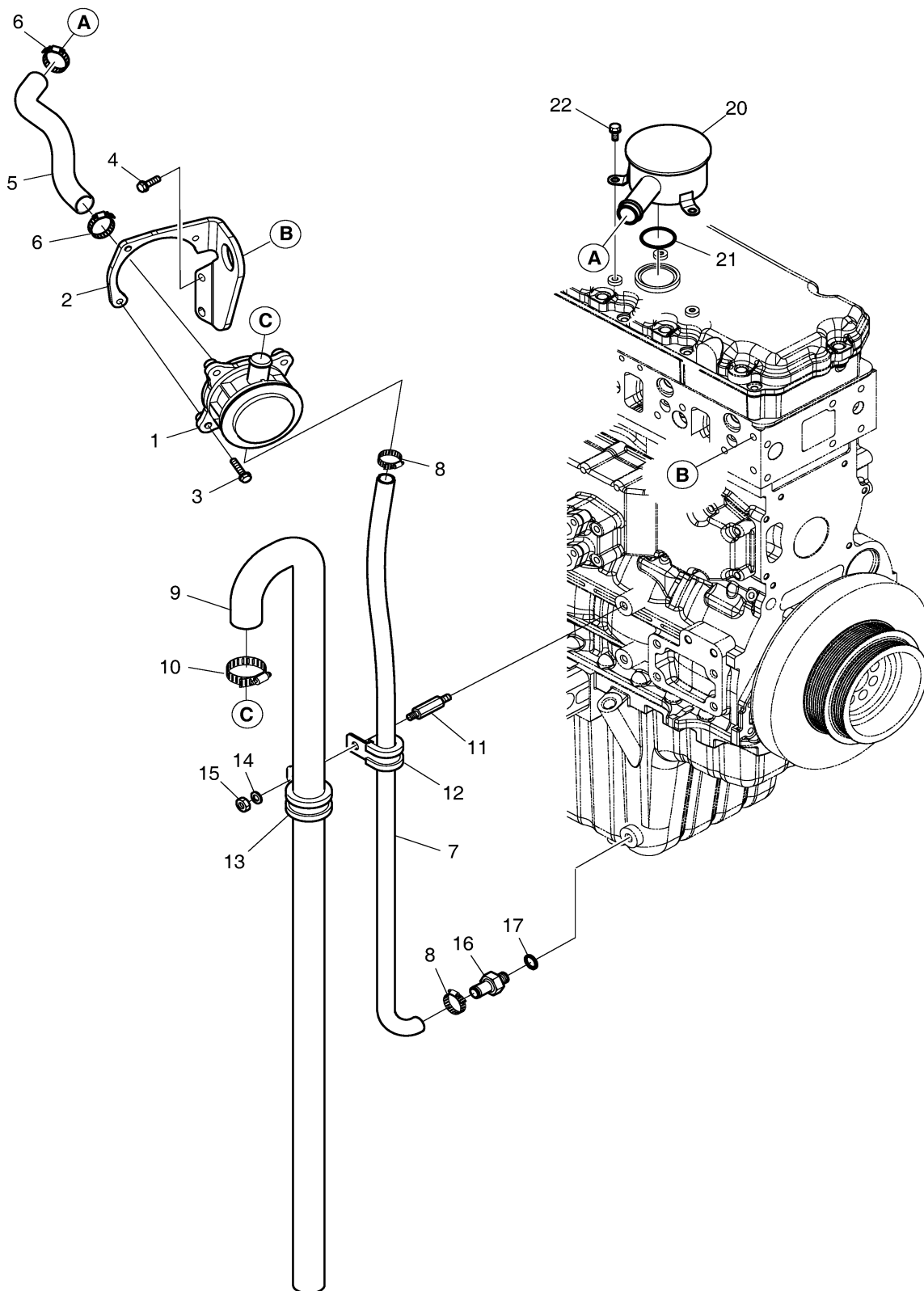


Fig. 015 BREATHER [100530]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01801-5100	HOUSING:BREATHER	1					
2	65.01840-0017	BRACKET:BREATHER PIPE	1					
3	06.01923-3114	BOLT ASS'Y M8X22	3					
4	06.01924-3217	BOLT ASS'Y M10X30	2					
5	65.96301-0478	HOSE;RUBBER	1					
6	06.67020-0105	CLAMP;HOSE	2					
7	65.96301-0456A	HOSE;RUBBER	1					
8	65.97440-0005	CLAMP;HOSE	2		~071119	Y	65.97402-0025	2
8	65.97402-0025	CLAMP;HOSE	2		071120~			
9	65.96301-0464A	HOSE;RUBBER	1					
10	06.67020-0105	CLAMP;HOSE	1					
11	65.90201-0122	BOLT;STUD	1					
12	65.97401-5024	CLIP;PIPE	2					
13	65.97401-5019	CLIP;PIPE	1					
14	06.16731-2107	WASHER	1					
15	06.11063-8214	NUT	1					
16	65.98131-0119	NIPPLE	1					
17	06.56190-0719	RING;SEAL	1					
20	65.01801-5043A	HOUSING:BREATHER	1					
21	65.96501-0033B	O-RING	1					
22	06.01923-3111	BOLT, M8X16	3					

Fig. 015A BREATHER [110530]

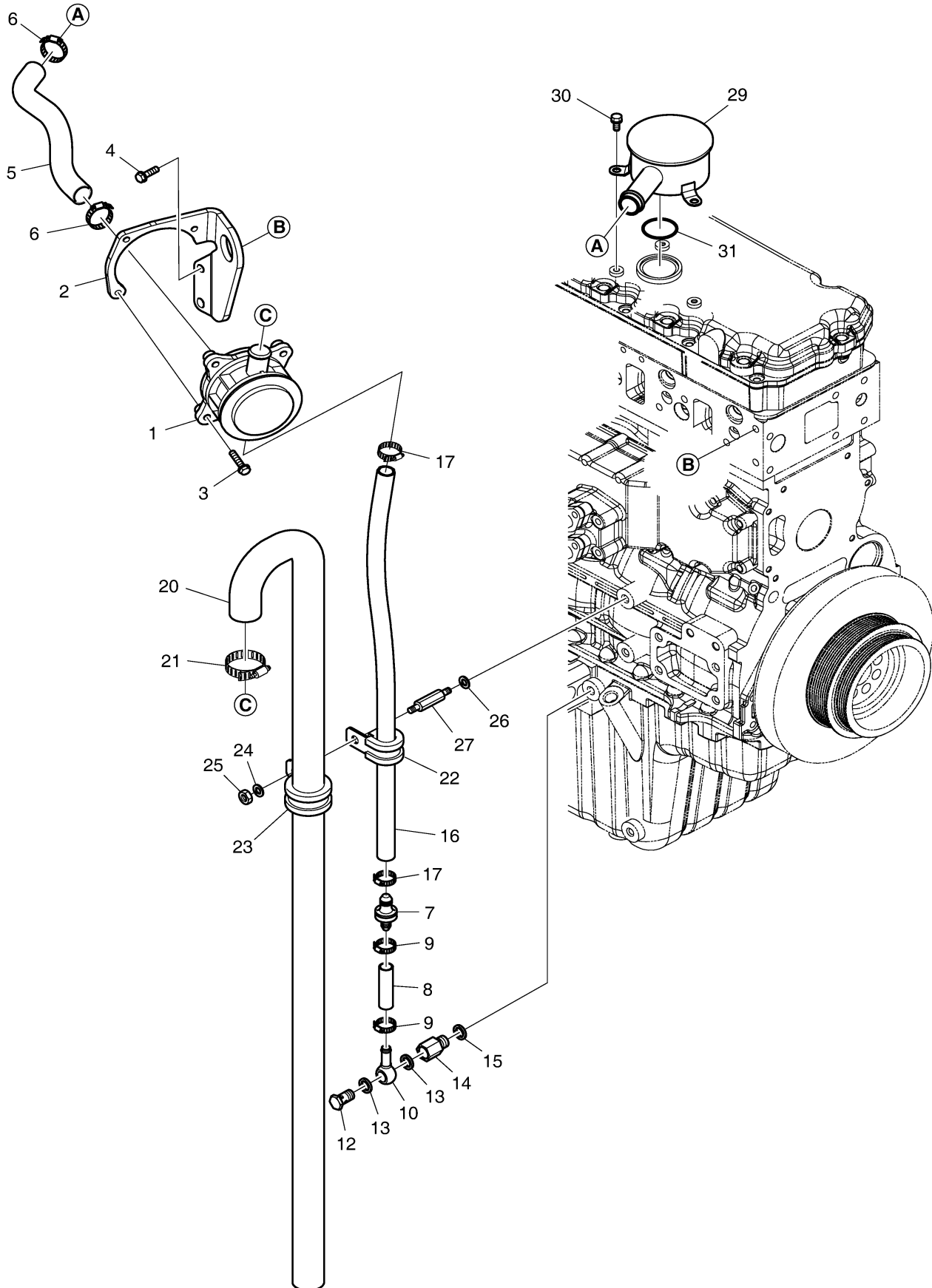


Fig. 015A BREATHER [110530]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01801-5100	HOUSING:BREATHER	1					
2	65.01840-0017	BRACKET:BREATHER PIPE	1					
3	06.01923-3114	BOLT ASS'Y M8X22	3					
4	06.01924-3217	BOLT ASS'Y M10X30	2					
5	420101-00070	HOSE,AIR	1					
6	06.67020-0105	CLAMP:HOSE	2					
7	410104-00025	CHECK VALVE ASS'Y	1					
8	65.96301-0535	HOSE:RUBBER	1					
9	65.97402-0015	CLIP:HOSE	2					
10	65.01802-5047	PIPE,BREATHER:FOR DRAIN	1					
12	06.78144-8404	SCREW:HOLLOW	1					
13	06.56190-0706	SEAL RING A14X20	2					
14	65.98130-0139A	ADAPTER:INJ. PUMP OVER	1					
15	06.56190-0706	SEAL RING A14X20	1					
16	420108-00170A	HOSE,RUBBER	1					
17	65.97402-0025	CLAMP:HOSE	2					
20	65.96301-0464A	HOSE:RUBBER	1					
21	06.67020-0105	CLAMP:HOSE	1					
22	65.97401-5024	CLIP:PIPE	1					
23	65.97401-5019	CLIP:PIPE	1					
24	06.16731-2107	WASHER	1					
25	06.11063-8214	NUT	1					
26	06.16731-2108	WASHER:SPRING	1					
27	65.90201-0122	BOLT:STUD	1					
29	110972-00005	HOUSING:BREATHER	1					
30	06.01923-3113	BOLT ASS'Y M8X20	3					
31	401002-00082	O-RING	1					

Exploded view diagram of a water pump assembly for a 1.6L engine. The diagram shows the engine block with the water pump (1) and timing belt (2) assembly. Various hoses and connectors are shown, including the upper radiator hose (5), lower radiator hose (16), and bypass hose (20). The diagram includes callouts for parts 1 through 36, as well as callouts A, B, and C. A note indicates "Serial No. : ~ 130930" for a specific part. The word "ENGINE" is labeled on the right side of the diagram.

Fig. 015B BREATHER [110531 ~]

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.01801-5100	HOUSING:BREATHER	1					
2	65.01840-0017	BRACKET:BREATHER PIPE	1					
3	06.01923-3114	BOLT ASS'Y M8X22	3					
4	06.01924-3217	BOLT ASS'Y M10X30	2					
5	420101-00070	HOSE,AIR	1					
6	06.67020-0105	CLAMP:HOSE	2					
7	410104-00025	CHECK VALVE ASS'Y	1					
8	65.96301-0535	HOSE:RUBBER	1					
9	65.97402-0015	CLIP:HOSE	2					
10	420215-00020	PIPE,OIL DRAIN	1		~130930			
10	420215-00033	PIPE,OIL DRAIN	1		131001~			
12	06.78144-8404	SCREW:HOLLOW	1		~130930			
12	06.78144-2404	SCREW:HOLLOW	1		131001~			
13	06.56190-0706	SEAL RING A14X20	2		~130930			
13	65.96507-0043	RING:SEAL A14X20	2		131001~			
14	65.98130-0139A	ADAPTER:INJ. PUMP OVER	1		~130930			
15	06.56190-0706	SEAL RING A14X20	1		~130930			
16	420215-00023	PIPE,OIL DRAIN	1					
17	65.97402-0025	CLAMP:HOSE	4					
20	65.96301-0464A	HOSE:RUBBER	1		~130930			
20	420101-00644	HOSE,RUBBER:BREATHER PIPE	1		131001~			
21	06.67020-0105	CLAMP:HOSE	1					
23	65.97401-5019	CLIP:PIPE	1					
24	06.16731-2107	WASHER	1					
25	06.11063-8214	NUT	1					
26	06.16731-2108	WASHER:SPRING	1					
27	65.90201-0122	BOLT:STUD	1					
29	110972-00005	HOUSING:BREATHER	1					
30	06.01923-3113	BOLT ASS'Y M8X20	3					
31	401002-00082	O-RING	1					
35	420101-00337	HOSE:AIR	1					
36	65.96301-0551	HOSE:RUBBER	1					

Fig. 016 DRIVING SYSTEM

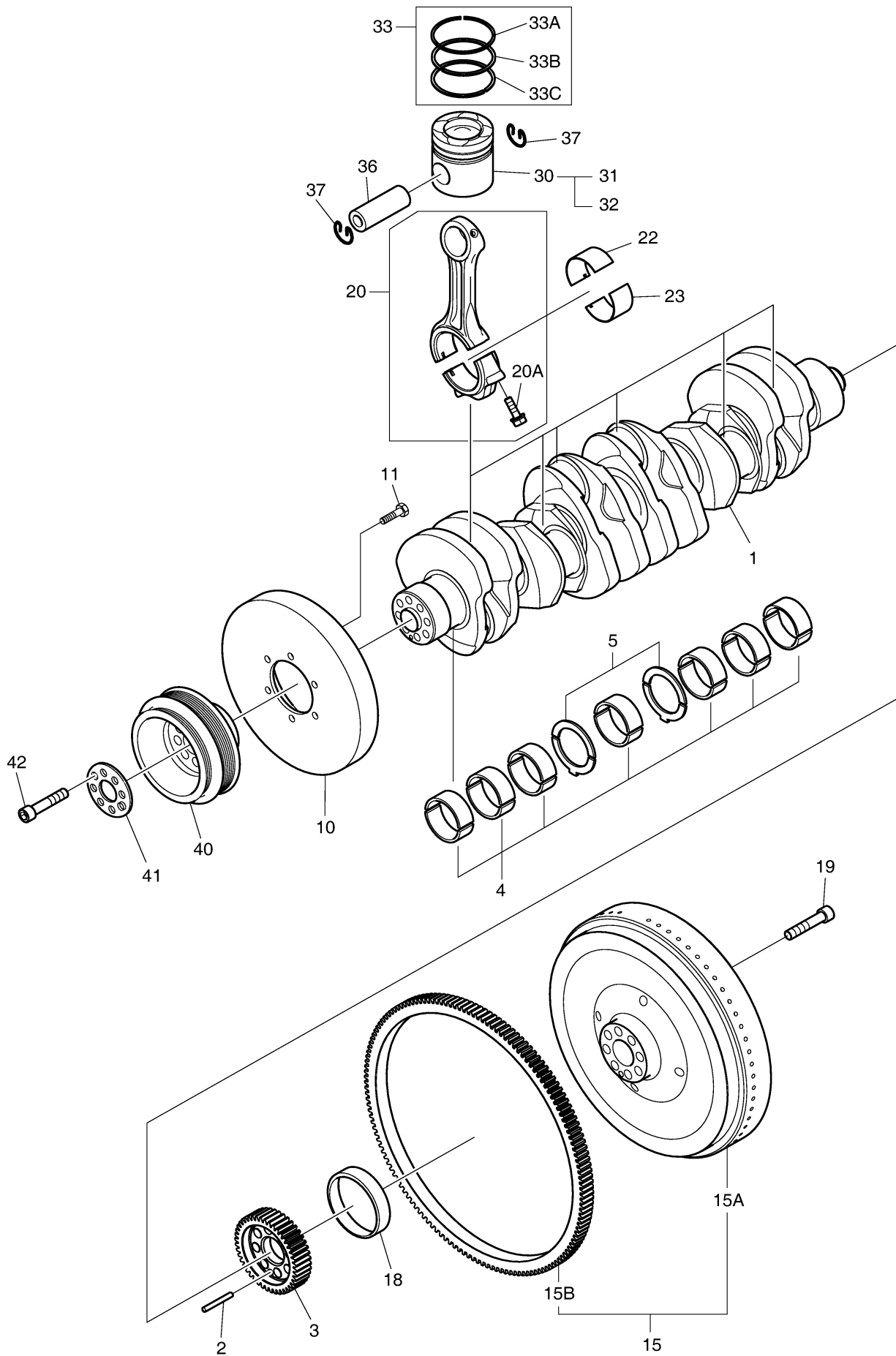
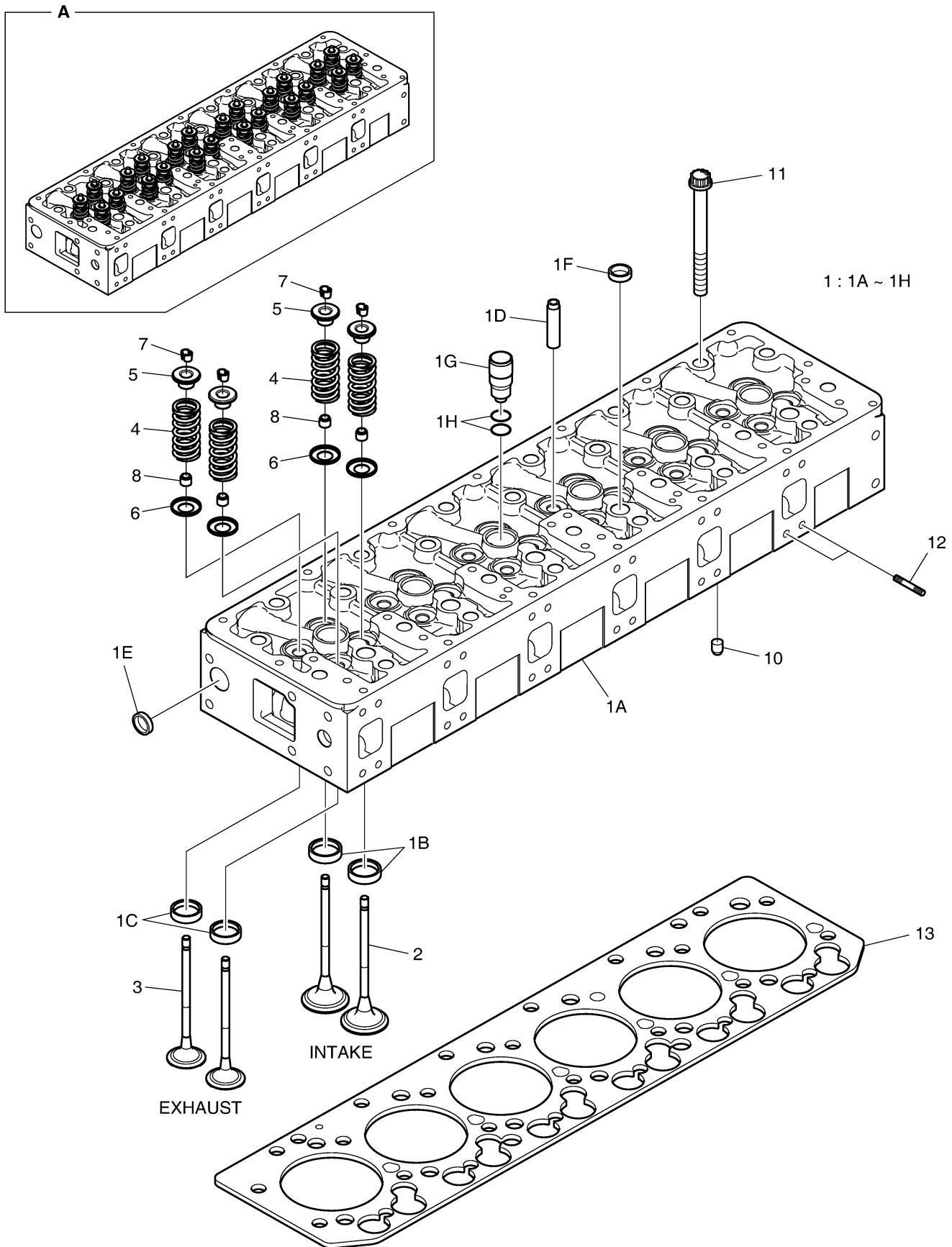


Fig. 016 DRIVING SYSTEM

Key No	Part No	Description	Qty	S.C	Serial No	ICA	Replacable	Qty
1	65.02101-0069A	CRANK SHAFT	1					
2	06.22022-1018	PIN;DOWEL	1					
3	65.02115-0016	GEAR;CRANKSHAFT	1					
4	65.01110-6140	METAL;MAIN	7		~070316	Y	65.01110-6140A	7
4	65.01110-6140A	METAL;MAIN	7		070317~			
5	65.01150-6008	WASHER;THRUST	2					
10	65.02201-0002	DAMPER;VIBRATION	1					
11	65.90020-0062B	BOLT;HEX M10X20	6					
15	65.02301-5148A	FLYWHEEL ASS'Y	1					
15A	65.02301-0291A	FLYWHEEL	1					
15B	65.02310-0006	GEAR;RING	1					
18	65.02130-0004	BUSH;DRIVING	1					
19	65.90020-0123	BOLT;COLLARED HEX.	8		~071120	Y	65.90020-0140A	8
19	65.90020-0140A	BOLT;COLLARED HEX.	8		071121~			
20	65.02401-6032B	CONNECTING ROD ASS'Y	6					
20A	65.02411-0009	BOLT;CONNECTING ROD	2					
22	65.02410-0040	METAL;CON-ROD(STD)	6					
22	65.02410-0041	METAL;CON-ROD(0.25)	6	US				
22	65.02410-0042	METAL;CON-ROD(0.50)	6	US				
23	65.02410-0050	METAL;CON-ROD(STD)	6					
23	65.02410-0051	METAL;CON-ROD(0.25)	6	US				
23	65.02410-0052	METAL;CON-ROD(0.50)	6	US				
30	65.02501-0476	PISTON - GRADE	6	D				
31	65.02501-0477	PISTON;A GRADE	6					
32	65.02501-0478	PISTON;B GRADE	6					
33	65.02503-8047	PISTON RING KIT	1					
33A	-	RING;PISTON	6	K				
33B	-	RING;PISTON	6	K				
33C	-	RING;PISTON	6	K				
36	65.02502-0017A	PIN;PISTON	6					
37	06.29020-0125	RING;LOCK	12					
40	65.02601-0225B	PULLEY;V-BELT	1					
41	65.90701-0099	WASHER	1		~130610	I	120810-00194	1
41	120810-00194	WASHER,PLAIN	1		130611~			
42	06.02106-0723	BOLT;SOCKET	8					

Fig. 017 CYLINDER HEAD



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