



부품목록

Parts Book

선박엔진

MARINE ENGINE

V158TI, V180TI, V222TI

선박 발전기 엔진

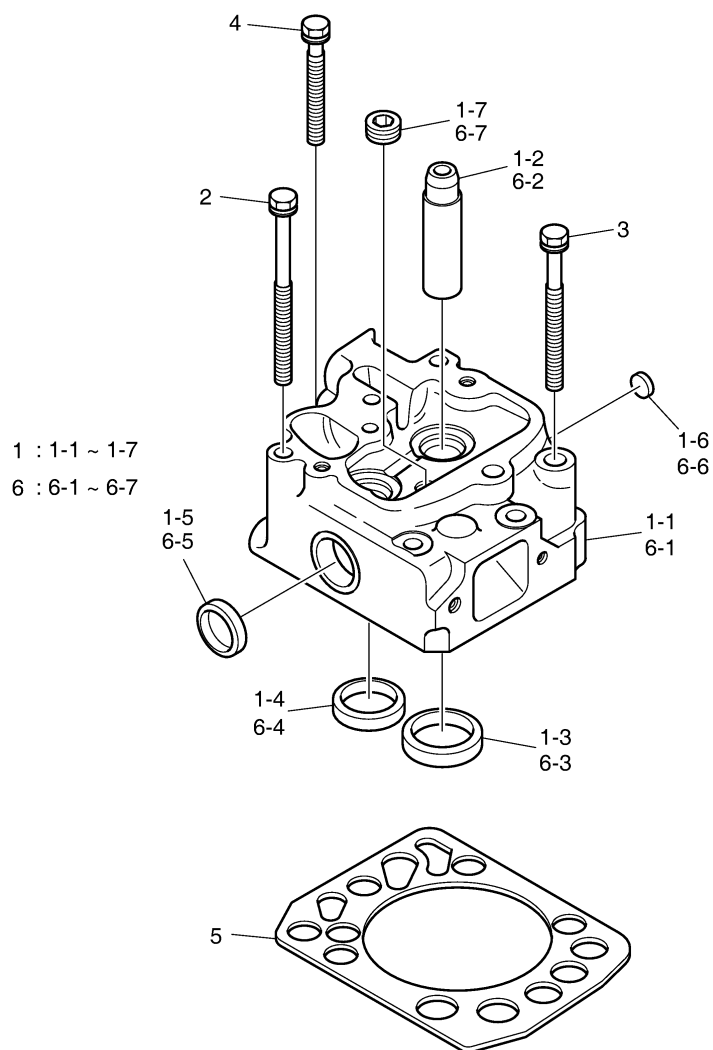
MARINE GENERATOR ENGINE

AD158TI, AD180TI, AD222TI

Fig. P101 CYLINDER HEAD

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Fig. P101 CYLINDER HEAD

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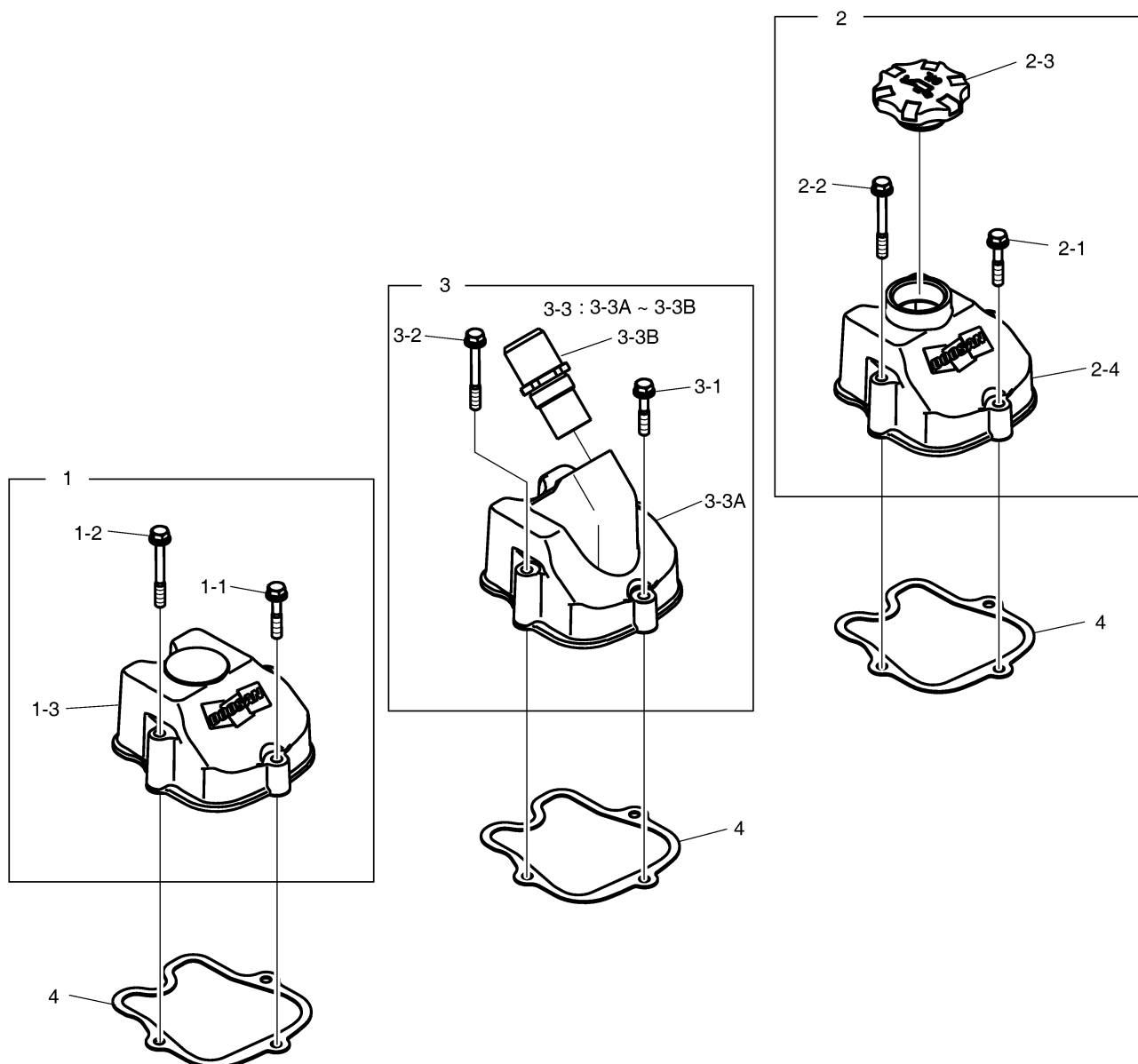
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	150113-00051			HEAD ASSY,CYLINDER	8		
1-1	65.03101-1047B			HEAD,CYLINDER	8	NS	
1-2	65.03201-1060		가	GUIDE,VALVE	16		
1-3	65.03203-0242		()	SEAT,VALVE	8		
1-4	65.03203-0184		()	SEAT,VALVE	8		
1-5	65.91606-0037			PLUG,CORE	8		
1-6	65.91606-0041			PLUG,CORE	8		
1-7	06.08023-0207			SCREW,PLUG	8		
2	65.90020-0268			BOLT,HEX	16		
3	65.90020-0269			BOLT,HEX	24		
4	65.90020-0270			BOLT,HEX	8		
5	51.03901-0348		가	GASKET,CYLINDER HEAD	8		
6	150113-00140			HEAD,CYLINDER	8		
6-1	150113-00130			HEAD,CYLINDER	8		
6-2	65.03201-1060		가	GUIDE,VALVE	16		
6-3	65.03203-0242		()	SEAT,VALVE	8		
6-4	65.03203-0184		()	SEAT,VALVE	8		
6-5	65.91606-0037			PLUG,CORE	8		
6-6	65.91606-0041			PLUG,CORE	8		
6-7	06.08023-0207			SCREW,PLUG	8		

Fig . P102 CYLINDER HEAD COVER

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Fig. P102 CYLINDER HEAD COVER

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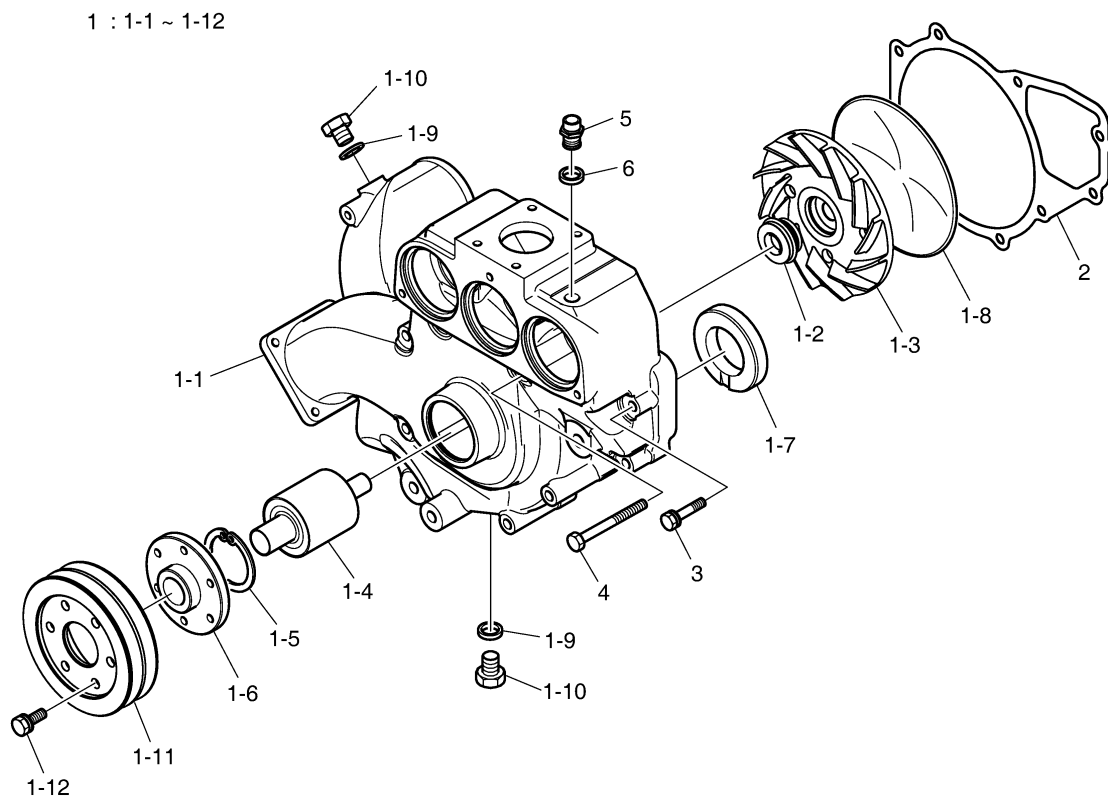
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1	150106-00188			COVER ASSY,CYLINDER HEAD	5	NS	
1-1	06.01923-3120		M 8X45	BOLT ASSY	5		
1-2	06.01923-3125		M 8x70	BOLT ASSY	10		
1-3	65.03401-0077			COVER,CYLINDER HEAD	5		
2	150106-00221			COVER ASSY,CYLINDER HEAD	1	NS	
2-1	06.01923-3120		M 8X45	BOLT ASSY	1		
2-2	06.01923-3125		M 8x70	BOLT ASSY	2		
2-3	65.01810-5011			CAP ASSY,OIL FILLER	1		
2-4	65.03401-0081			COVER,CYLINDER HEAD	1		
3	150106-00223A			COVER ASSY,CYLINDER HEAD	2	NS	
3-1	06.01923-3120		M 8X45	BOLT ASSY	2		
3-2	06.01923-3125		M 8x70	BOLT ASSY	4		
3-3	150106-00268			COVER,CYLINDER HEAD	2		
3-3A	150106-00269			COVER,CYLINDER HEAD	2	NS	
3-3B	65.01802-0011			PIPE,BREATHER	2		
4	65.03905-0034		가	GASKET,CYLINDER HEAD COVER	8		

Fig . P103 WATER PUMP

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Fig . P103 WATER PUMP

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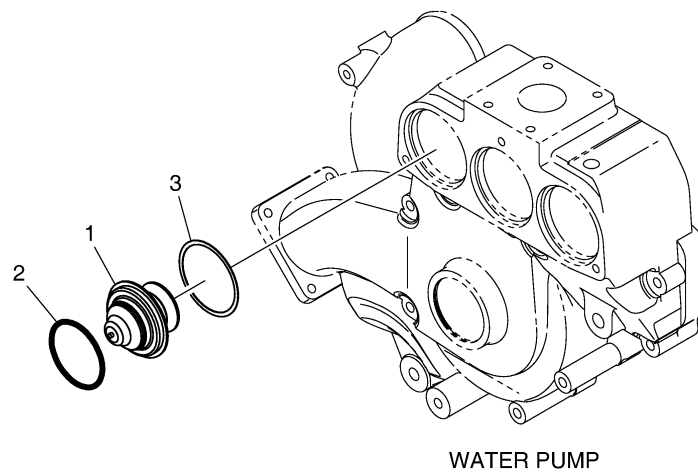
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1	400921-00019C			;CYL,BODY TO BRG	1		
1-1	400923-00050			HOUSING,WATER PUMP	1	NS	
1-2	65.06520-6008			SEAL	1		
1-3	400902-00067A		WATER PUMP	IMPELLER	1		
1-4	65.93410-0087			BEARING	1		
1-5	06.29020-0132			RING,SNAP	1		
1-6	65.06504-0013		V-	HUB	1		
1-7	65.06320-0005			MANIPULATOR	1		
1-8	65.06512-0017A			COVER	1		
1-9	06.56190-0709		A14x20	SEALRING	2		
1-10	06.08092-2405		M 16x1.5	SCREW,PLUG	2		
1-11	130707-00757			PULLEY,BELT	1		
1-12	06.01913-3112		M 8x18	BOLT ASSY	6		
2	400602-00810		가	GASKET	1		
3	06.01923-3122		M 8x55	BOLT ASSY	3		
4	06.01913-3128		M 8x85	BOLT,HEX	3		
5	65.98131-0060			CONNECTION,SCREW	1		
6	06.56190-0706		A14X20	SEALRING	1		

Fig. P104 THERMOSTAT

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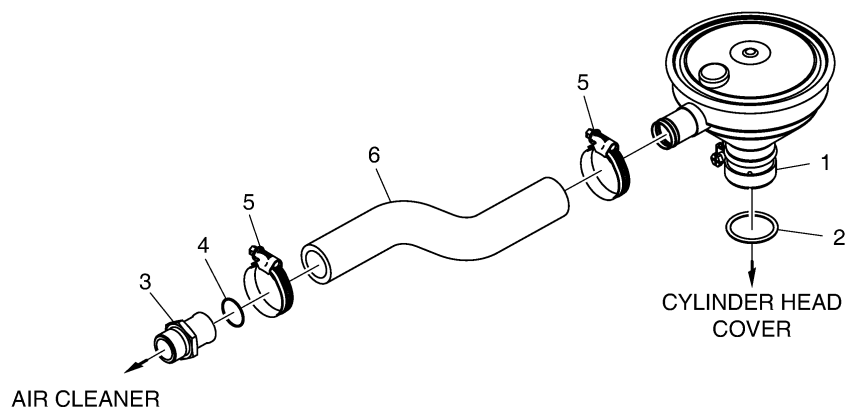


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Fig. P105 BREATHER

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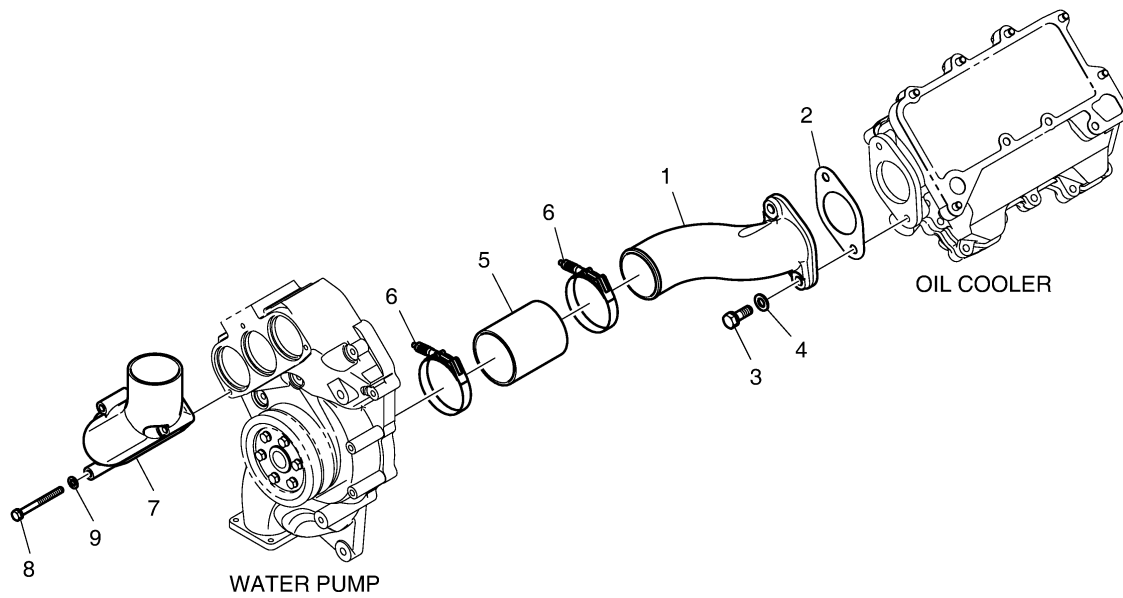


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Fig. P107 COOLING WATER PIPE

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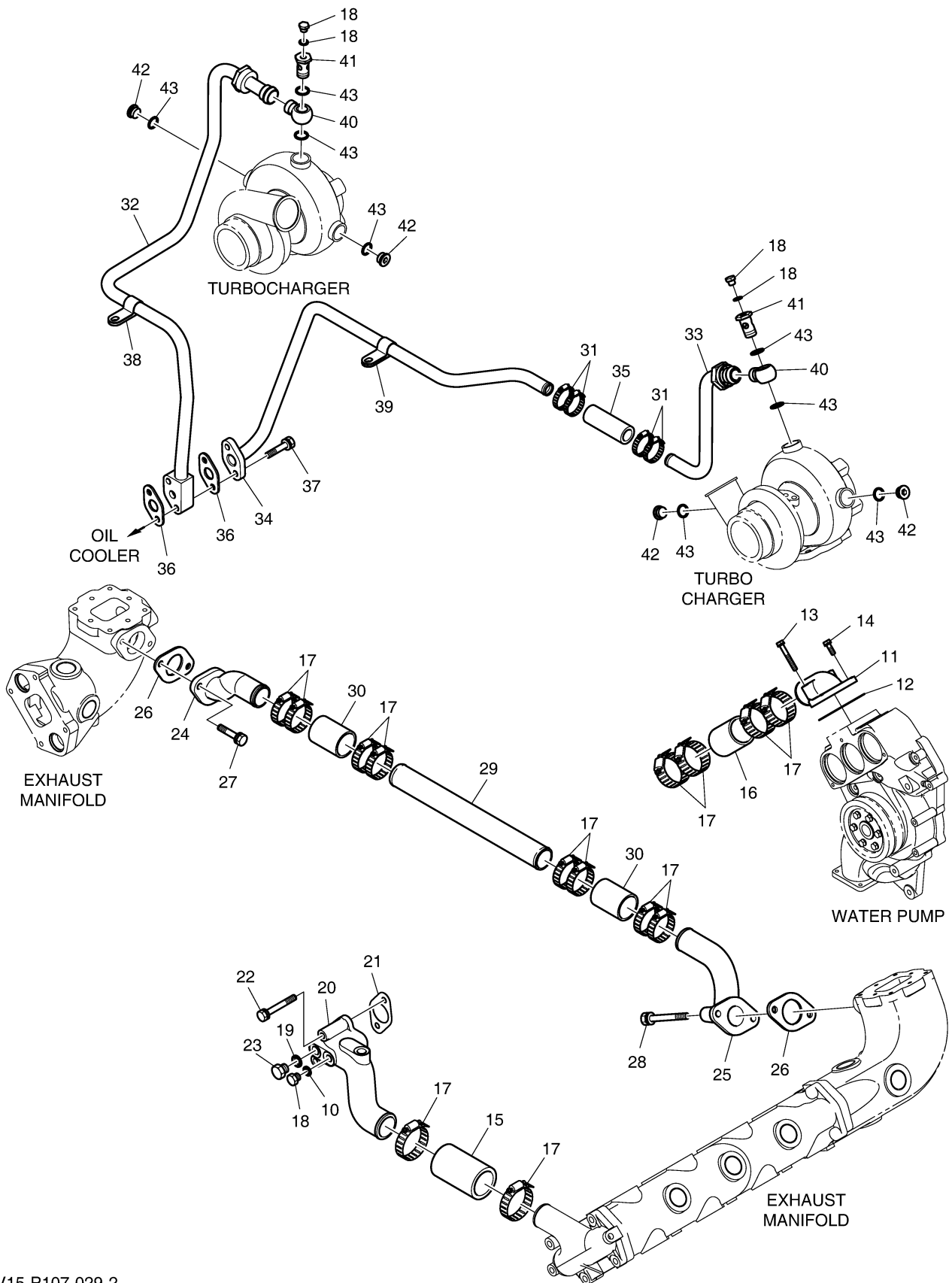


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Fig. P107 COOLING WATER PIPE

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Fig. P107 COOLING WATER PIPE

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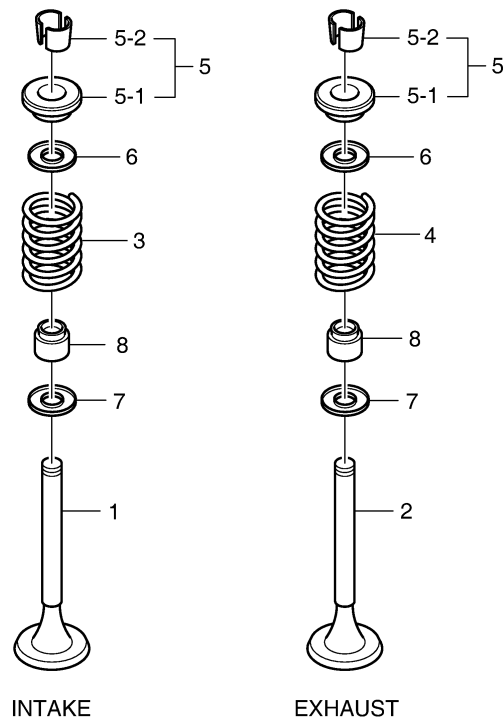
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1	65.06301-0678			PIPE,COOLING WATER	1		
2	65.06903B0010		가	GASKET,COOLING WATER PIPE	1		
3	06.01913-3318		M 12x35	BOLT,HEX	2		
4	06.15010-2313		12	WASHER,PLAIN	2		
5	420108-00158			HOSE,RUBBER	1		
6	65.97440-5005			CLAMP,HOSE	2		
7	65.06301-0368			PIPE,COOLING WATER	1		
8	06.01014-9117		M 8x60	BOLT,HEX	3		
9	06.16044-0210			WASHER,WAVE	3		
10	06.56190-0706		A14X20	SEALRING	3		
11	65.06301-0753			PIPE,COOLING WATER	1		
12	65.06903-0070		가	GASKET,COOLING WATER PIPE	1		
13	06.01913-3123		M 8x60	BOLT,HEX	2		
14	06.01913-3115		M 8X25	BOLT ASSY	2		
15	420108-00139			HOSE,RUBBER	1		
16	420108-00758			HOSE,RUBBER	1		
17	120202-00298			CLAMP,HOSE	14		
18	06.08092-2404		M 14x1.5	SCREW,PLUG	3		
19	06.56190-0718			SEALRING	1		
20	65.06301-0757			PIPE,COOLING WATER	1		
21	65.96601-0054		가	GASKET,FLANGE	1		
22	06.01913-3228		M 10x85	BOLT ASSY	2		
23	06.08092-2407		M 22x1.5	SCREW,PLUG	1		
24	65.06301-0761			PIPE,COOLING WATER	1		
25	65.06301-0253			PIPE,COOLING WATER	1		
26	400631-00001		가	GASKET,WATER PIPE	2		
27	06.01943-3317		M 12x30	BOLT ASSY	2		
28	06.01943-3323		M 12x60	BOLT ASSY	2		
29	65.06301-0760			PIPE,COOLING WATER	1		
30	420108-00757			HOSE,RUBBER	2		
31	120202-00294			CLAMP,HOSE	4		
32	65.06301-5265			PIPE,COOLING WATER	1		
33	420211-00687			PIPE ASSY,COOLING WATER	1		
34	420211-00686			PIPE ASSY,COOLING WATER	1		
35	420108-01359			HOSE,RUBBER	1		
36	65.05903-0030		가	GASKET,OIL PIPE	2		
37	06.01913-3121		M 8x50	BOLT ASSY	2		
38	120402-00045			CLIP,PIPE	1		
39	65.97401-0500			CLIP,PIPE	1		
40	65.98103-0030			UNION,BANJO	2		
41	65.98150-0077			SCREW,HOLLOW	2		
42	65.90310-0145			SCREW,PLUG	4		
43	06.56190-0724		A25x30	SEALRING	8		

Fig . P201 VALVE

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Fig . P201 VALVE

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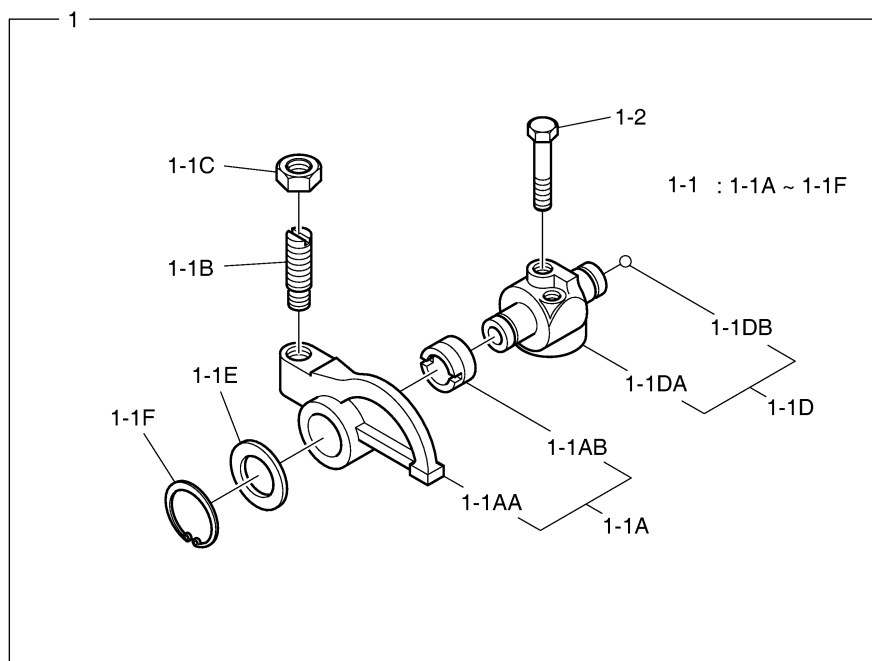
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1	65.04101-0375C			VALVE,INTAKE	8		
2	65.04101-0367C			VALVE,EXHAUST	8		
3	65.04102-0088A			SPRING,VALVE	8		
4	65.04102-0088A			SPRING,VALVE	8		
5	110971-00027			COTTER ASSY	16	NS	
5-1	65.04103-0074			PLATE,VALVE SPRING	16		
5-2	65.04104-0023			COTTER,VALVE	32		
6	65.90701-0103			WASHER	16		
7	65.90701-0104			WASHER	16		
8	65.04902-0027			SEAL,OIL	16		

Fig. P202 ROCKER ARM

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Fig . P202 ROCKER ARM

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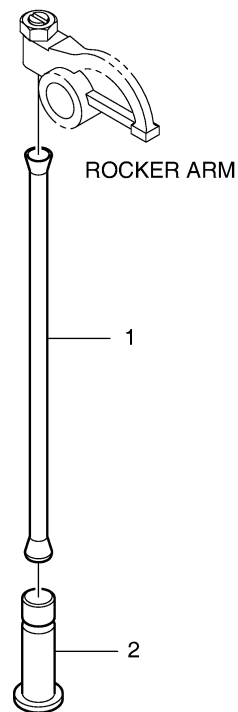
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1	150101-00108			ARM ASSY,ROCKER	8		
1-1	150122-00137			ROCKER ARM SHAFT ASSY	8		
1-1A	150101-00107			ARM ASSY,ROCKER	16		
1-1AA	150101-00106			ARM,ROCKER	16		
1-1AB	65.93020-1011			BUSHING	16		
1-1B	65.04205-0021A			SCREW KIT	16		
1-1C	65.90501-0049			NUT,HEX	16		
1-1D	65.04202-5035			BRACKET ASSY,ROCKER ARM	8		
1-1DA	65.04202-0081			BRACKET,ROCKER ARM	8		
1-1DB	06.31641-0615			BALL,STEEL	16		
1-1E	65.90701-0136B			WASHER	16		
1-1F	06.29010-0120			RING,SNAP	16		
1-2	65.90001-0146A			BOLT,HEX	16		

Fig . P203 TAPPET & PUSH ROD

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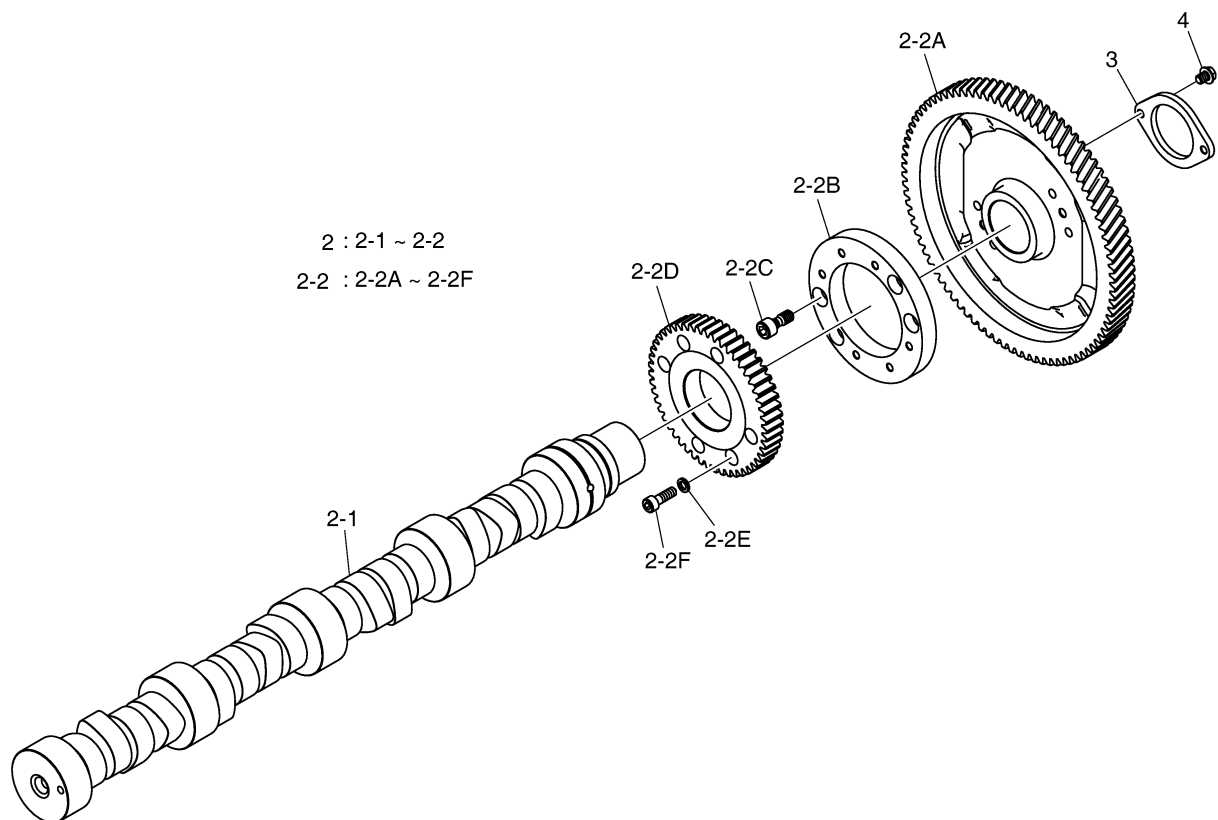


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Fig . P204 CAMSHAFT

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Fig . P204 CAMSHAFT

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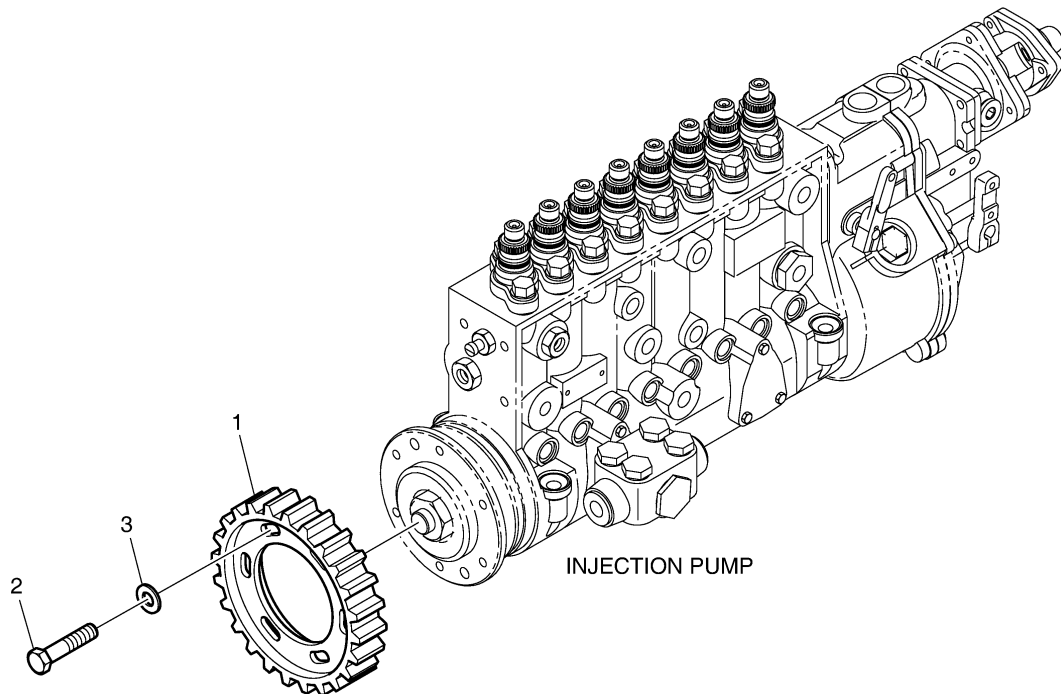
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2	150103-00172			CAMSHAFT ASSY	1	NS	
2-1	150103-00165			CAMSHAFT	1		
2-2	65.11300-6001B			GEAR ASSY,DRIVE	1	NS	
2-2A	65.04501-0097			GEAR,CAMSHAFT	1		
2-2B	65.11121-0002A			SPACER	1		
2-2C	65.90030-0024			BOLT,HEX SOCKET HEAD	4		
2-2D	65.11301-0018A			GEAR,INJECTION PUMP DRIVE	1		
2-2E	06.16110-0106		A8	WASHER,SPRING	6		
3	120816-00123			WASHER,THRUST	1		
4	65.90020-0065A			BOLT,HEX	2		

Fig. P208 INJECTION PUMP DRIVE

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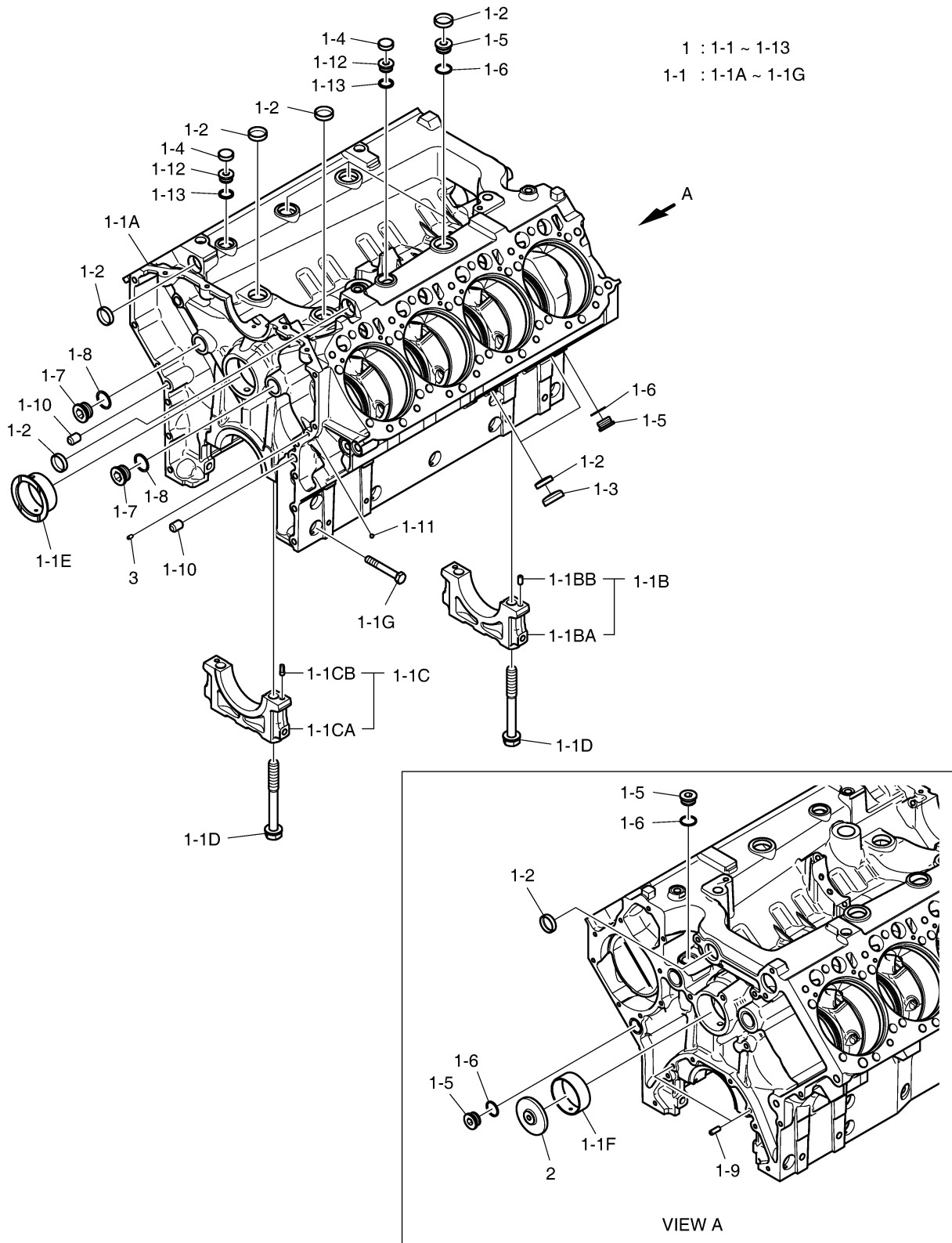


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Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Population (millions)	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7
GDP (trillion USD)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5
Urban population (millions)	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0	9.3	9.6	9.9	10.2	10.5
Urban GDP (trillion USD)	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7	9.0
Urban population density (per sq km)	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250
Urban GDP per capita (USD)	6,600	6,800	7,000	7,200	7,400	7,600	7,800	8,000	8,200	8,400	8,600	8,800	9,000	9,200	9,400	9,600	9,800	10,000	10,200	10,400	10,600

Fig. P301 CYLINDER BLOCK

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EDV15-P301-029-1

Fig. P301 CYLINDER BLOCK

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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	150102-00774			BLOCK ASSY,CYLINDER	1		
1-1	150102-00771			BLOCK ASSY,CYLINDER	1	NS	
1-1A	150102-00768			BLOCK,CYLINDER	1	NS	
1-1B	140202-00008			CAP ASSY,BEARING	4	NS	
1-1BA	140202-00011			CAP,BEARING	4	NS	
1-1BB	06.22022-3061			PIN,PARALLEL	8		
1-1C	140110-00036			BEARING ASSY,THRUST	1	NS	
1-1CA	140202-00131			CAP ASSY,BEARING	1	NS	
1-1CB	65.91301-0071			PIN	2		
1-1D	65.90020-0293B			BOLT,HEX	10		
1-1E	65.04410-0018			BUSHING	1		
1-1F	65.04410-0078			BUSHING	4		
1-1G	06.01494-4316		M 12x85	BOLT,HEX	10		
1-2	65.91606-0039			PLUG,CORE	10		
1-3	65.91606-0037			PLUG,CORE	2		
1-4	65.90302-0041			PLUG,CORE	2		
1-5	65.90310-0149		M 26x1.5	SCREW,PLUG	6		
1-6	06.56190-0726			SEALRING	6		
1-7	06.08041-2211			SCREW,PLUG	2		
1-8	06.56190-0732		M 8X65	SEALRING	2		
1-9	06.22022-1063			PIN,PARALLEL	2		
1-10	06.22022-3563			PIN,PARALLEL	2		
1-11	06.31641-0615			BALL,STEEL	1		
1-12	65.90310-0132		M 10X22	SCREW,PLUG	2		
1-13	06.56190-0718			SEALRING	2		
2	65.91605-0013			COVER	1		
3	65.90310-0134			SCREW,PLUG	1		
4	65.90310-0134			SCREW,PLUG	1		
5	65.90310-0131			SCREW,PLUG	1		
6	65.90310-0135		M 14x1.5	SCREW,PLUG	1		
7	06.08040-2214			SCREW KIT	1		
8	06.08041-2203		M 14x1.5	SCREW,PLUG	1		
9	65.90302-0056			PLUG,CORE	1		
10	06.56190-0726			SEALRING	1		
11	06.56190-0732		M 8X65	SEALRING	1		
12	06.56190-0732		M 8X65	SEALRING	1		
13	06.56190-0739		A36x42	SEALRING	1		
14	06.56190-0713		A18x24	SEALRING	1		
15	06.56190-0706		A14X20	SEALRING	1		
16	65.91701-0274			PIN	16		
17	150102-01003			BLOCK ASSY,CYLINDER	1		
17-1	150102-01002			BLOCK ASSY,CYLINDER	1		
17-1A	150102-01001			BLOCK,CYLINDER	1		
17-1AA	150102-01000			BLOCK,CYLINDER	1		
17-1AAA	150102-01000-M			BLOCK,CYLINDER	1		
17-1B	140202-00008			CAP ASSY,BEARING	4	NS	
17-1BA	140202-00011			CAP,BEARING	4	NS	
17-1BB	06.22022-3061			PIN,PARALLEL	8		

Fig . P301 CYLINDER BLOCK

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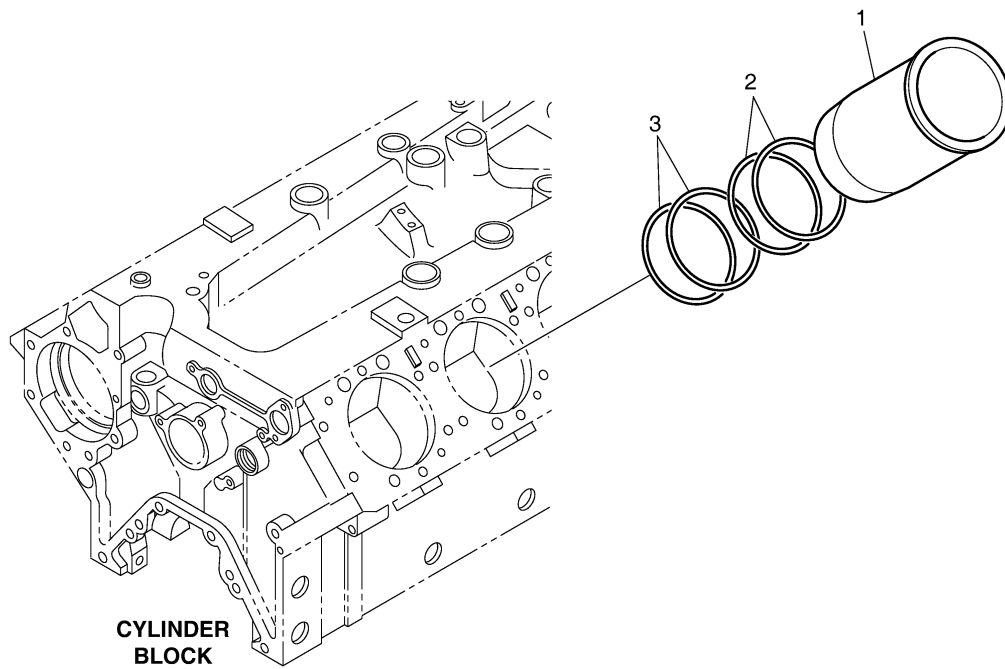
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17-1C	140110-00036			BEARING ASSY,THRUST	1	NS	
17-1CA	140202-00131			CAP ASSY,BEARING	1	NS	
17-1CB	65.91301-0071			PIN	2		
17-1D	65.90020-0293B			BOLT,HEX	10		
17-1E	65.04410-0018			BUSHING	1		
17-1F	65.04410-0078			BUSHING	4		
17-1G	06.01494-4316		M 12x85	BOLT,HEX	10		
17-2	65.91606-0039			PLUG,CORE	10		
17-3	65.91606-0037			PLUG,CORE	2		
17-4	65.90302-0041			PLUG,CORE	2		
17-5	65.90310-0149		M 26x1.5	SCREW,PLUG	6		
17-6	06.56190-0726			SEALRING	6		
17-7	06.08041-2211			SCREW,PLUG	2		
17-8	06.56190-0732		M 8X65	SEALRING	2		
17-9	06.22022-1063			PIN,PARALLEL	2		
17-10	06.22022-3563			PIN,PARALLEL	2		
17-11	06.31641-0615			BALL,STEEL	1		
17-12	65.90310-0132		M 10X22	SCREW,PLUG	2		
17-13	06.56190-0718			SEALRING	2		

Fig. P302 CYLINDER LINER

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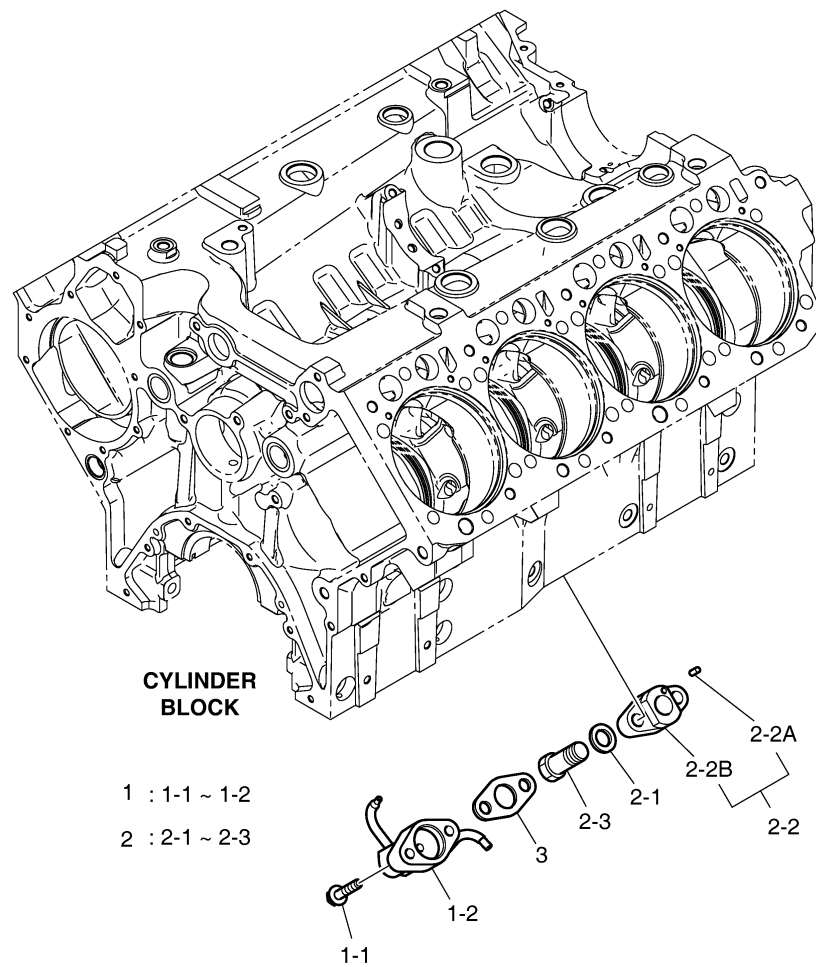
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Fig. P303 OIL SPRAY NOZZLE

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Fig. P303 OIL SPRAY NOZZLE

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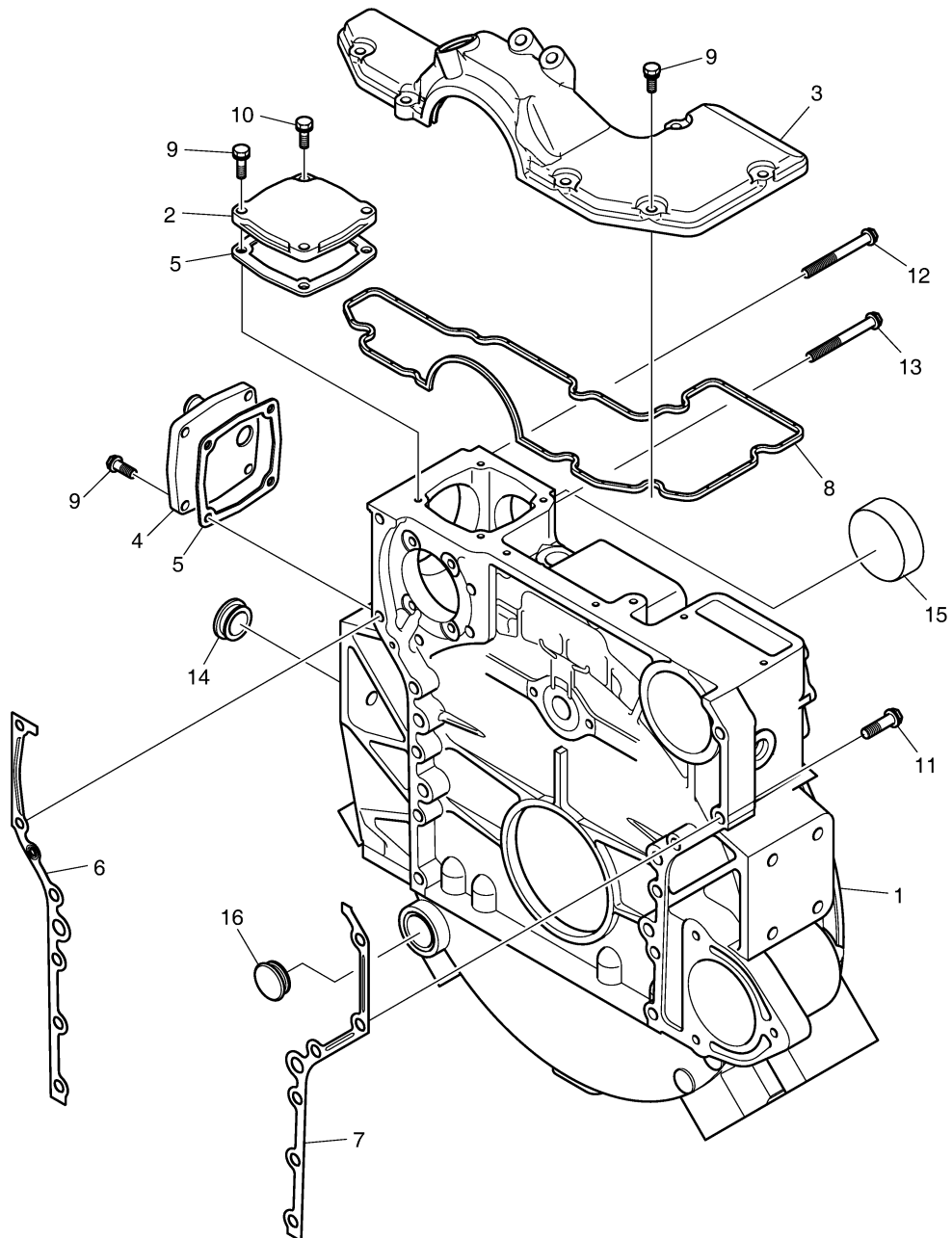
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1	430218-00296			NOZZLE ASSY,OIL SPRAY	8		
1-1	120106-00539			BOLT,HEX FLANGE	16		
1-2	430218-00256			NOZZLE ASSY,OIL SPRAY	8		
2	430215-01913			FLANGE ASSY	8		
2-1	06.56190-0706		A14X20	SEALRING	8		
2-2	430215-01782		OIL SPRAY NOZZLE	FLANGE ASSY	8		
2-2A	06.22180-0804			PIN	8		
2-2B	430215-01783		OIL SPRAY NOZZLE	FLANGE	8		
2-3	65.98150-0051			SCREW,HOLLOW	8		
3	400602-00764		가	GASKET	8		

Fig. P305 FLYWHEEL HOUSING

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Fig. P305 FLYWHEEL HOUSING

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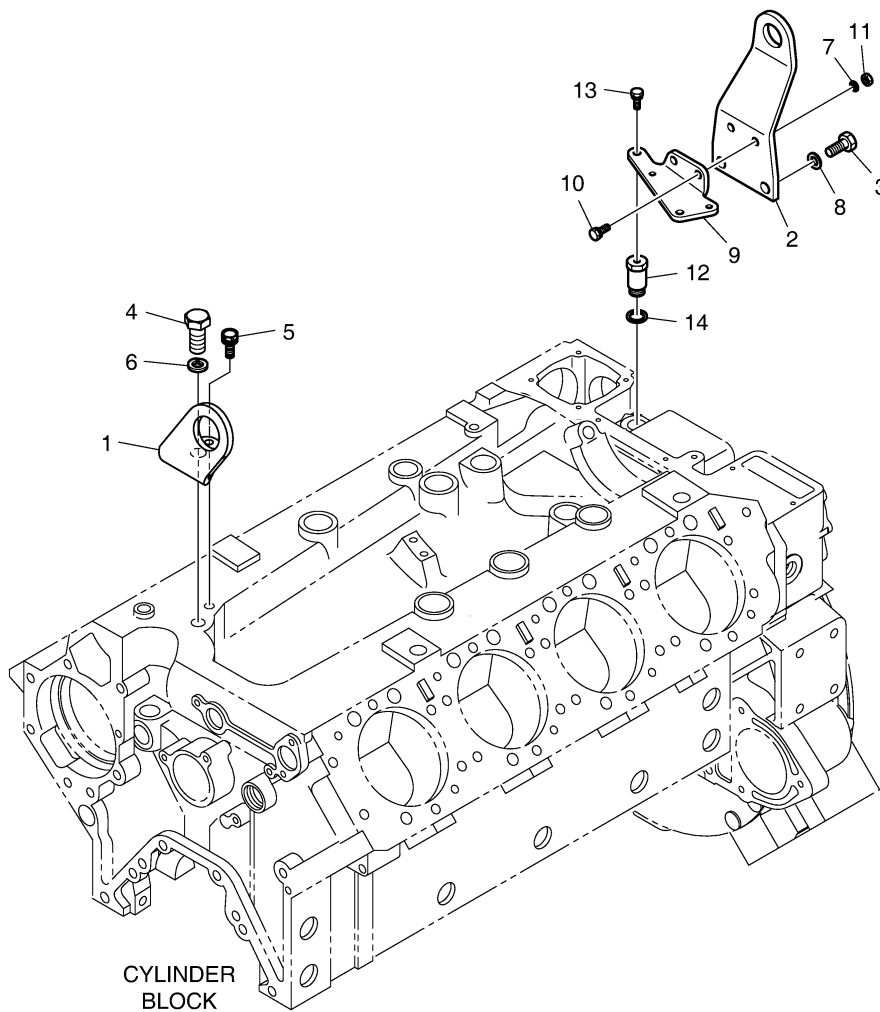
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.01401-5043			HOUSING,FLYWHEEL	1		
2	65.01402-0033A			COVER	1		
3	65.01402-5004C			COVER,FLY WHEEL HOUSING	1		
4	65.01402-5023			COVER,FLY WHEEL HOUSING	1		
5	400602-00745	가		GASKET	2		
6	65.01904-0036	가		GASKET,FLYWHEEL HOUSING	1		
7	65.01904-0037	가		GASKET,FLYWHEEL HOUSING	1		
8	65.01903-0216		가	GASKET,FLYWHEEL HOUSING COVER	1		
9	06.01923-3117		M 8x30	BOLT ASSY	15		
10	06.01923-3115		M 8x25	BOLT ASSY	1		
11	65.90020-0223			BOLT,HEX	10		
12	65.90020-0183B			BOLT,HEX	1		
13	65.90020-0054C			BOLT,HEX	1		
14	65.96401-0007			CAP,RUBBER	1		
15	65.91606-0042			PLUG,CORE	1		
16	65.96002-0005			PLUG,RUBBER	1		

Fig. P306 ENGINE LIFTING

: EYZEG

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Fig . P306 ENG NE LIFT NG

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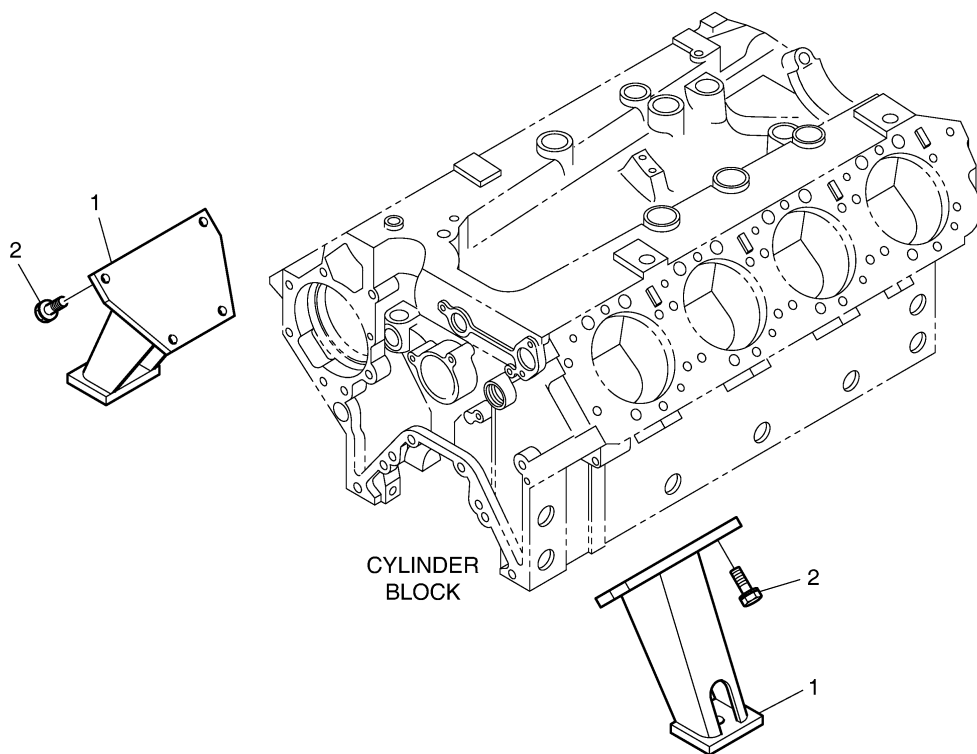
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	120404-00196A			HOOK,LIFTING	1		
2	65.19202-5006			HOOK,LIFTING	1		
3	06.01283-7519		M 16x40	BOLT,HEX	2		
4	06.01283-7720		M 20x45	BOLT,HEX	1		
5	06.01913-3217		M 10X30	BOLT ASSY	1		
6	06.16731-2113		A20	WASHER,SPRING	1		
7	06.16731-2108		A10	WASHER,SPRING	2		
8	06.16731-2111		A16	WASHER,SPRING	2		
9	65.97480-0191			HOLDER	1		
10	06.01283-7218		M 10x35	BOLT,HEX	2		
11	06.11063-8215		M 10	NUT,HEX	2		
12	65.91701-0549			SPACER	1		
13	06.01913-3216		M 10X28	BOLT,HEX	2		
14	06.56190-0726			SEALRING	1		

Fig. P307 ENGINE MOUNTING

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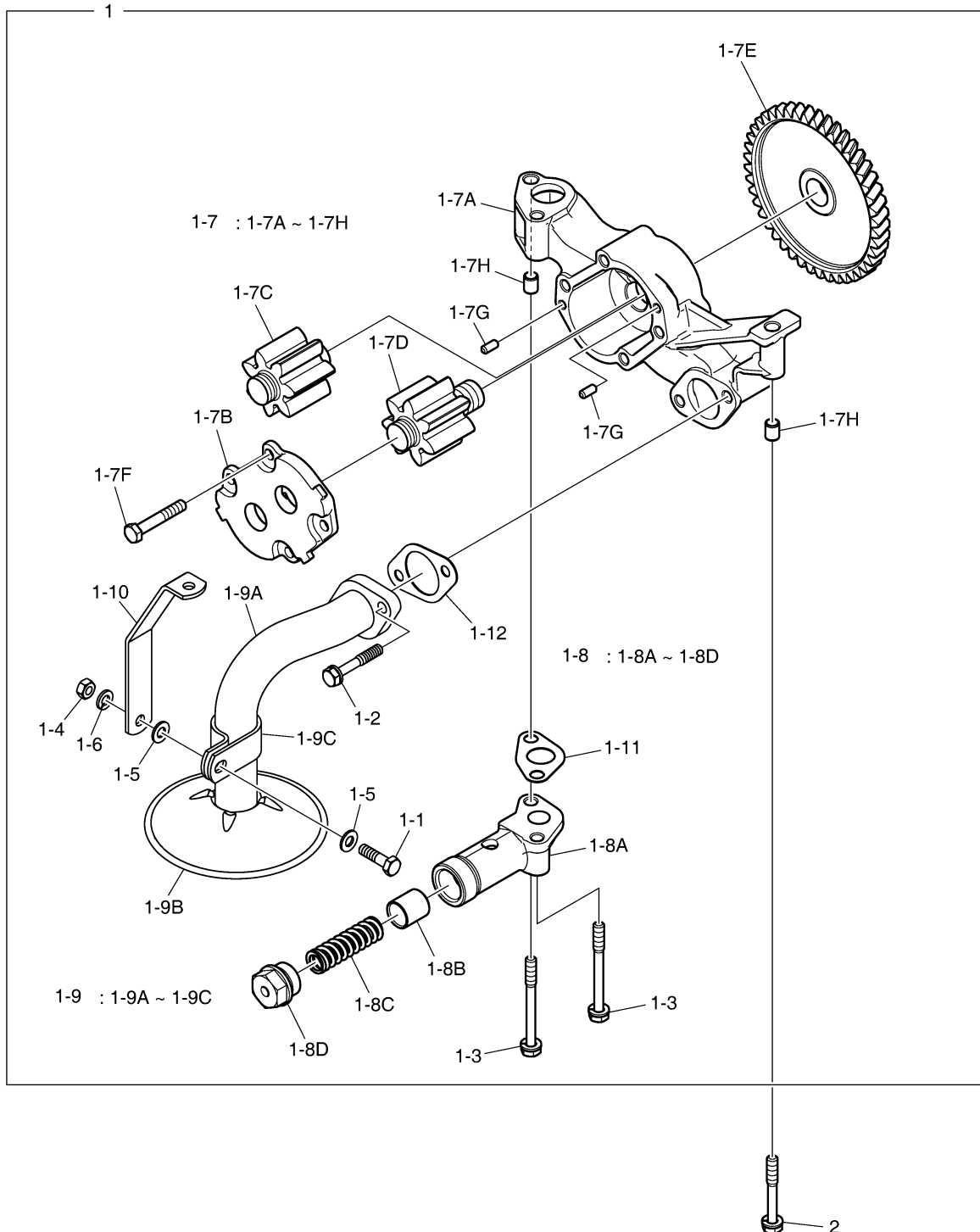
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Fig. P308 OIL PUMP

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Fig . P308 O I L P U M P

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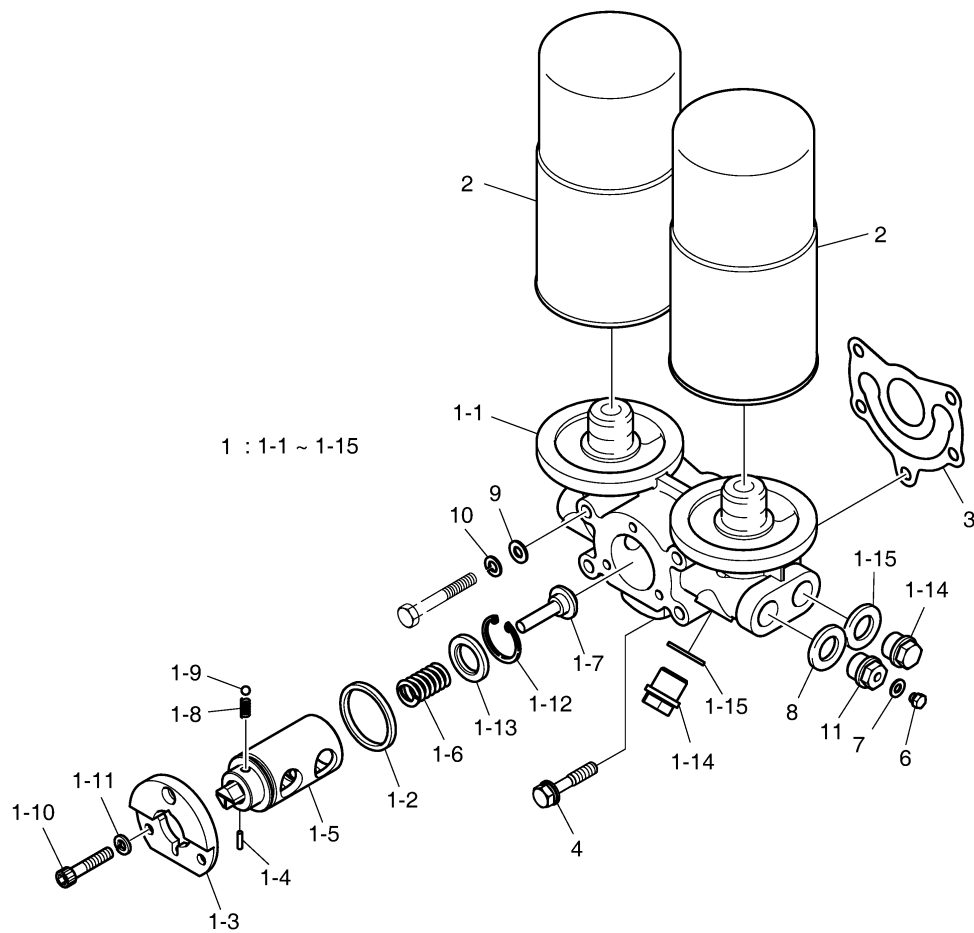
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	400915-00342			PUMP ASSY,OIL	1		
1-1	06.01283-7117		M 8x30	BOLT,HEX	1		
1-2	06.01913-3121		M 8x50	BOLT ASSY	2		
1-3	06.01913-7127		M 8x80	BOLT ASSY	2		
1-4	06.11063-8214		M 8	NUT,HEX	1		
1-5	06.15010-2311		8.4	WASHER,PLAIN	2		
1-6	06.16731-2107		A8	WASHER,SPRING	1		
1-7	400915-00273A			PUMP ASSY,OIL	1		
1-7A	400923-00043A			HOUSING,OIL PUMP	1	NS	
1-7B	110508-16311A			COVER,OIL PUMP	1		
1-7C	65.05104-0005			GEAR,OIL PUMP	1		
1-7D	65.05104-0006			GEAR,OIL PUMP	1		
1-7E	65.05201-0063			GEAR,OIL PUMP DRIVE	1		
1-7F	06.01013-9115		M 8x50	BOLT,HEX	4		
1-7G	06.22022-0909		6M 6x14	PIN,PARALLEL	2		
1-7H	120501-02699			PIN,LOCATING	2		
1-8	65.05401-5014			VALVE ASSY,RELIEF	1		
1-8A	65.05406-0008			HOUSING,RELIEF VALVE	1	NS	
1-8B	65.05410-0006			PLUNGER	1	NS	
1-8C	65.97601-0102			SPRING	1		
1-8D	65.90310-0119			SCREW	1		
1-9	65.05701-5590			PIPE,OIL SUCTION	1		
1-9A	420218-00305			PIPE,OIL SUCTION	1		
1-9B	65.05707-5004			COVER	1		
1-9C	65.97401-0080			CLIP,PIPE	1		
1-10	65.05740-0094			HOLDER	1		
1-11	65.05903A0015		가	GASKET,RELIEF VALVE	1		
1-12	65.96601-0055	가		GASKET,OIL PIPE	1		
2	06.01913-3123		M 8x60	BOLT,HEX	1		

Fig. P309 OIL FILTER

: EYZEG

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Fig. P309 OIL FILTER

: EYZEG

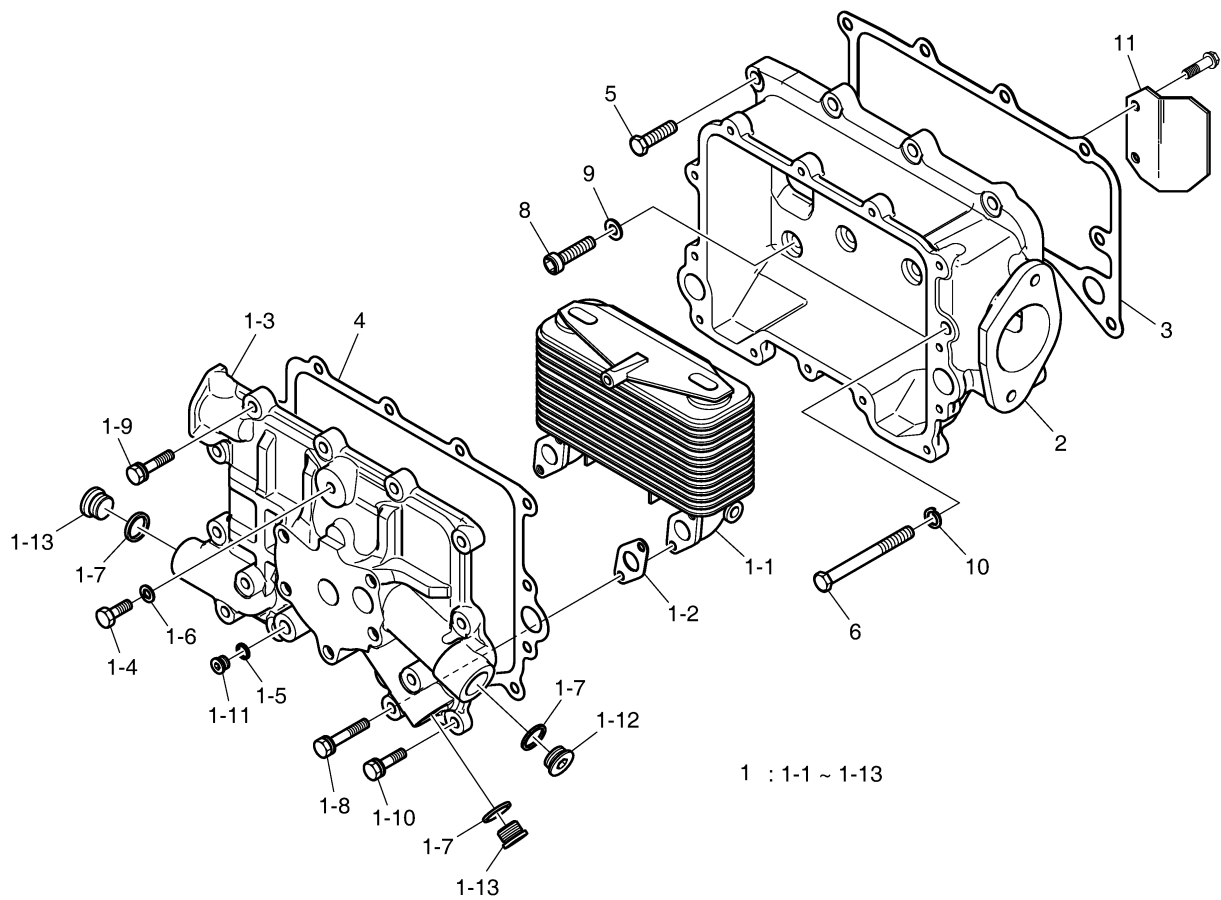
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	400404-00091			FILTER ASSY,ENGINE OIL	1		
1-1	400505-00084			HEAD,OIL FILTER	1		
1-2	06.56016-0521		O -	RING,O	1		
1-3	65.05517-0010			PLATE	1		
1-4	06.22080-0508			SLEEVE	1		
1-5	65.05550-0007			COCK	1		
1-6	65.97601-0083			SPRING	1		
1-7	65.05518-0005			VALVE	1		
1-8	65.97601-0103			SPRING,COMPRESSION	1		
1-9	06.31641-0615			BALL,STEEL	1		
1-10	06.02090-0410			BOLT,HEX SOCKET	3	NS	
1-11	06.16110-0106		A8	WASHER,SPRING	3		
1-12	06.29020-0125			RING,SNAP	1		
1-13	65.05541-0001			SEAT,VALVE	1		
1-14	06.08062-6208		M 24x1.5	SCREW,PLUG	4		
1-15	06.56190-0722		A24x29	SEALRING	4		
2	65.05510-5020B			FILTER,ENGINE OIL	2		
3	65.05901A0080		가	GASKET,OIL FILTER COVER	1		
4	06.01923-3222			BOLT ASSY	1		
6	65.90310-0033		M 10x1.0	SCREW,PLUG	1		
7	06.56180-0714			SEALRING	1		
8	06.56190-0723		A24x32	SEALRING	1		
9	06.15010-2312		10.5	WASHER,PLAIN	4		
10	06.16731-2108		A10	WASHER,SPRING	4		
11	65.98130-0112A			ADAPTER	1		

Fig. P310 OIL COOLER

: EYZEG

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Fig. P310 OIL COOLER

: EYZEG

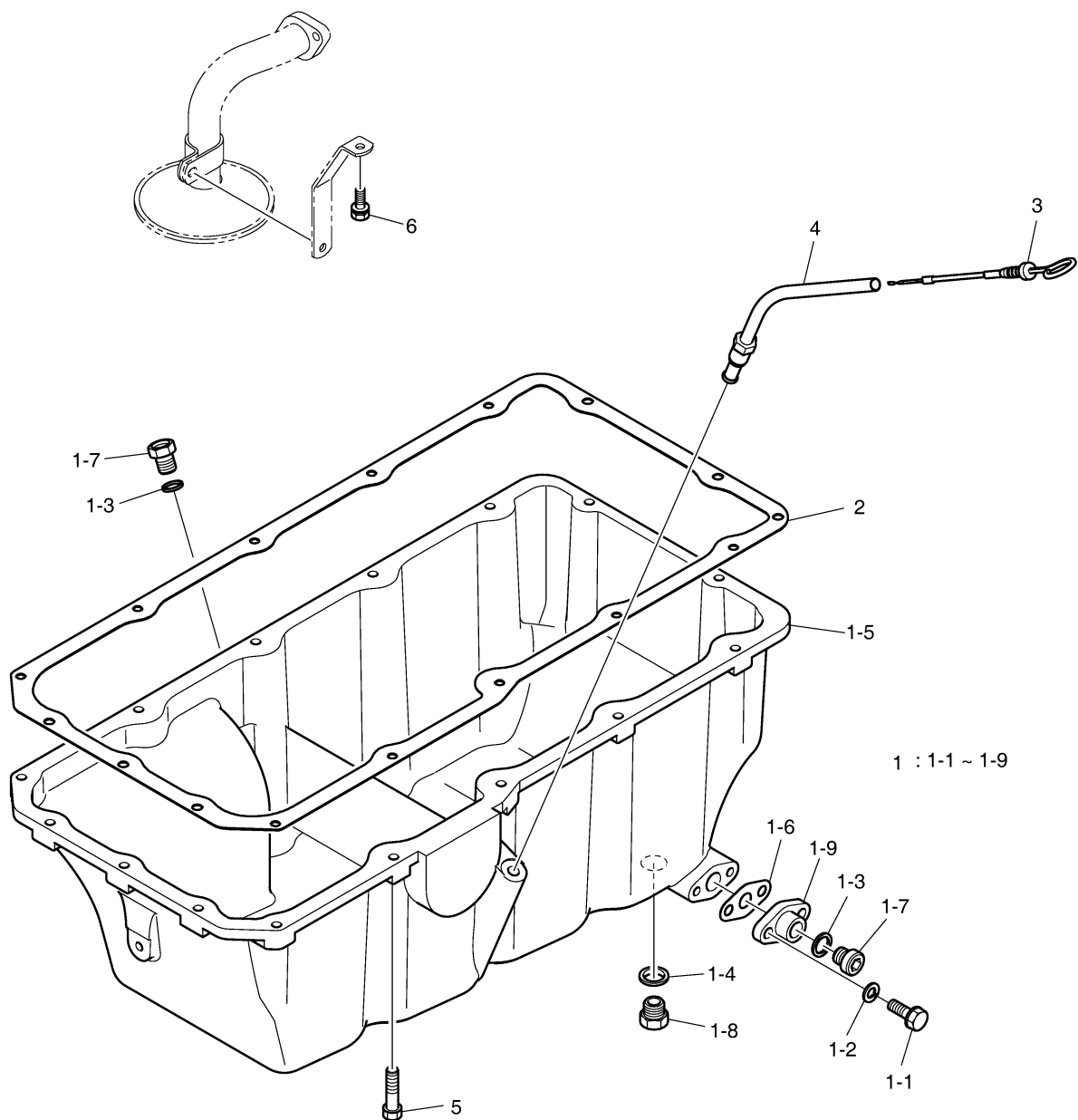
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	400206-00352A			COOLER ASSY,OIL	1	NS	
1-1	65.05601-7135			COOLER ASSY,OIL	1		
1-2	65.96601-0221B		가	GASKET,OIL COOLER	2		
1-3	160402-00019			HEAD,OIL COOLER	1		
1-4	06.01283-7111		M 8x16	BOLT,HEX	1		
1-5	06.56190-0706		A14X20	SEALRING	1		
1-6	06.16044-0210			WASHER,WAVE	1		
1-7	06.56190-0726			SEALRING	3		
1-8	06.01913-3122		M 8x55	BOLT ASSY	4		
1-9	06.01923-3118		M 8x35	BOLT ASSY	12		
1-10	06.01923-3115		M 8x25	BOLT ASSY	1		
1-11	06.08092-0204		M 14x1.5	SCREW,PLUG	1		
1-12	65.98130-0180			ADAPTER,FILTER	1		
1-13	65.90310-0149A		M 26x1.5	SCREW,PLUG	2		
2	110975-00007			HOUSING,OIL COOLER	1		
3	400621-00018A		가	GASKET,OIL COOLER HOUSING	1		
4	400621-00030		가 OIL FILTE	GASKET,OIL COOLER HOUSING	1		
5	06.01914-3218			BOLT ASSY,HEX	6		
6	06.01014-9226			BOLT,HEX	1		
8	120107-00280			BOLT,HEX SOCKET HEAD	3		
9	120810-00356		WASHER	WASHER	3		
10	06.16731-2108		A10	WASHER,SPRING	1		
11	65.05604-0012			PLATE	1		

Fig. P311 OIL PAN

: EYZEG

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Fig. P311 OIL PAN

: EYZEG

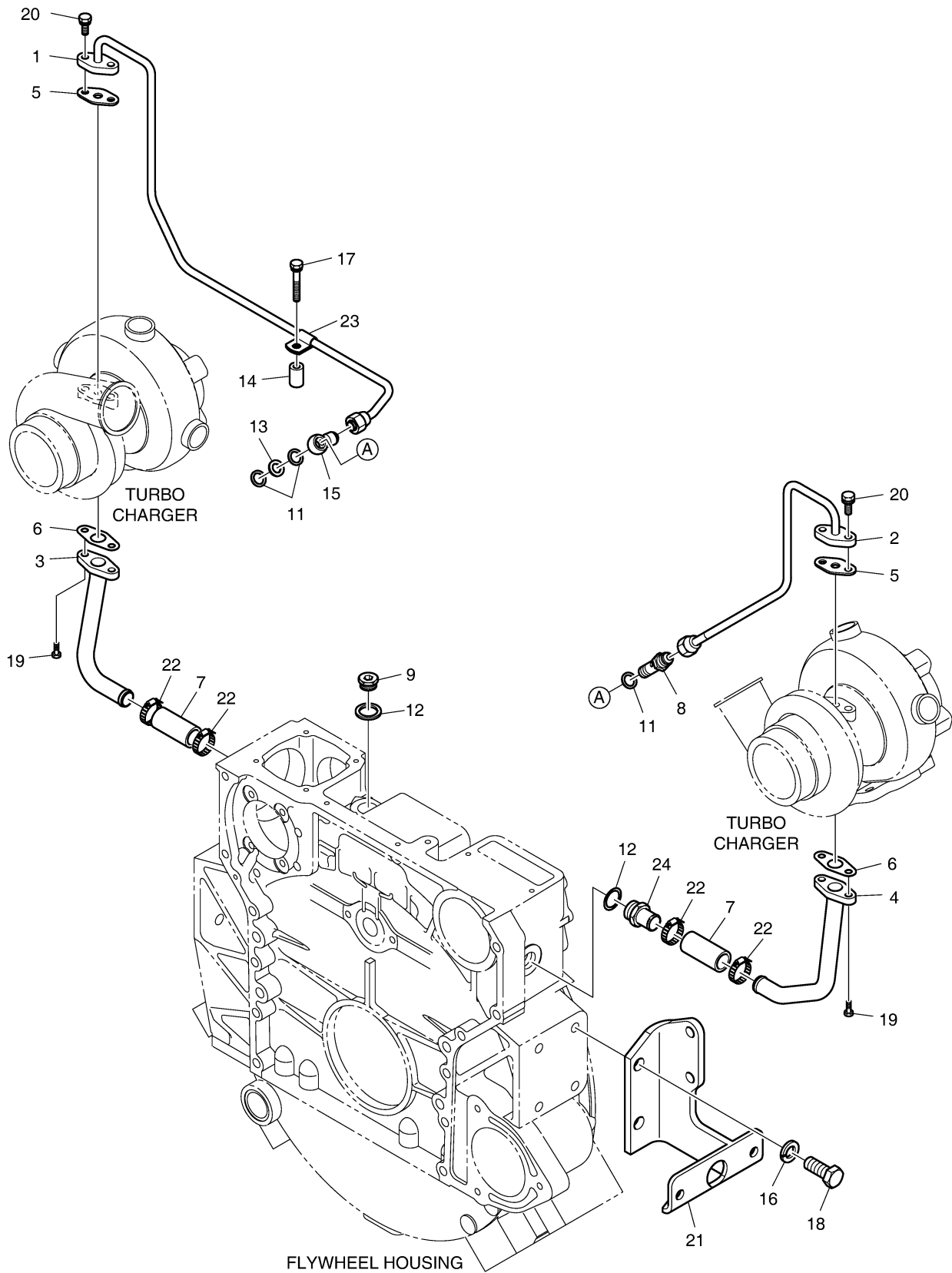
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	150119-00415			PAN ASSY,OIL	1		
1-1	06.02090-0512		M 10x25	BOLT,HEX SOCKET	2		
1-2	06.16110-0107		A10	WASHER,SPRING	2		
1-3	06.56190-0713		A18x24	SEALRING	2		
1-4	06.56190-0728			SEALRING	1		
1-5	150119-00289			PAN,OIL	1		
1-6	60.05903-0004	가		GASKET	1		
1-7	65.90310-0131			SCREW,PLUG	2		
1-8	65.90310-0149A		M 26x1.5	SCREW,PLUG	1		
1-9	65.98130-0244			ADAPTER	1		
2	65.05904A0092	가		GASKET,OIL PAN	1		
3	65.05805-5122			GAUGE,OIL LEVEL	1		
4	65.05806-6085	가		PIPE,OIL LEVEL GAUGE	1		
4-1	420210-01516			PIPE,OIL	1		
5	06.01923-3118		M 8x35	BOLT ASSY	16		
6	06.01913-3113		M 8x20	BOLT ASSY	1		

Fig. P312 OIL PPE

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Fig. P312 O I L P P E

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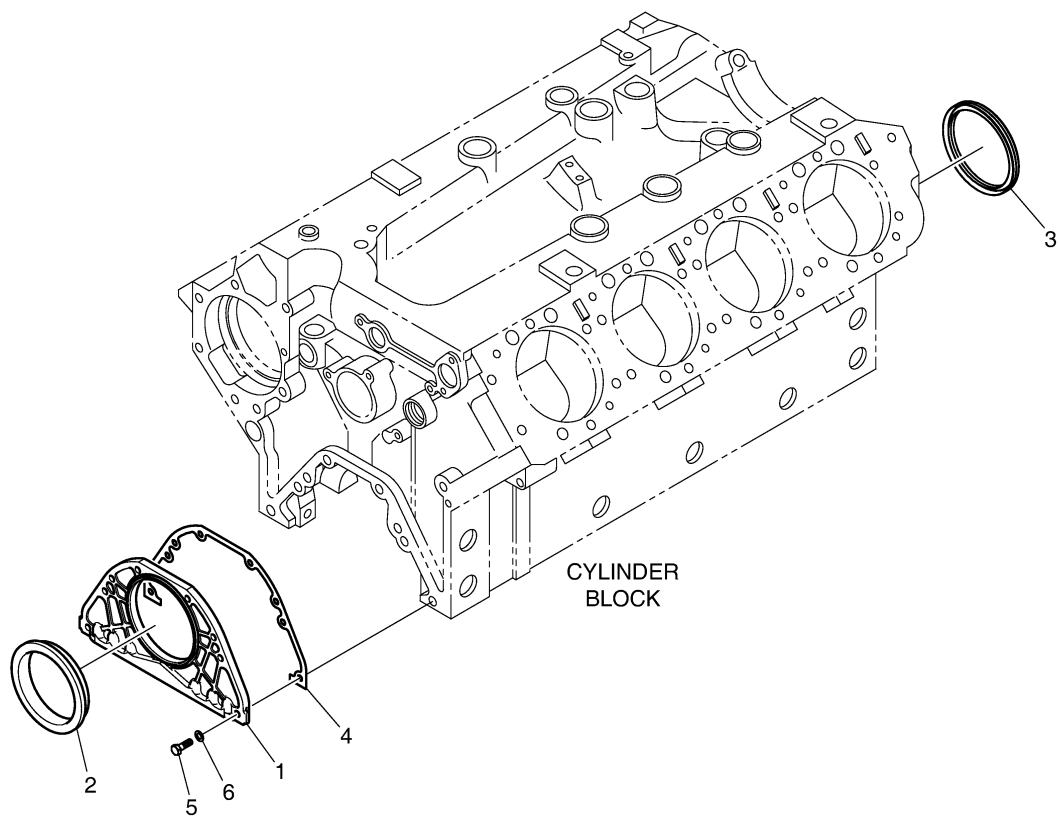
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.05701-5965			PIPE ASSY,OIL DELIVERY	1		
1-1	420214-00305			PIPE,OIL DELIVERY	1		
1-2	65.98111-0016			NUT	1		
2	65.05701-5962A			PIPE,OIL	1		
2-1	420214-00304			PIPE,OIL DELIVERY	1		
2-2	65.98111-0016			NUT	1		
3	420217-00376			PIPE,OIL RETURN	1		
4	420217-00377			PIPE,OIL RETURN	1		
5	65.96601-0046B		가	GASKET,FLANGE	2		
6	65.96601-0067		가	GASKET,FLANGE	2		
7	420108-00123			HOSE,RUBBER	2		
8	65.98150-0044B			SCREW,HOLLOW	1		
9	65.90310-0149A		M 26x1.5	SCREW,PLUG	1		
10	06.08092-2404		M 14x1.5	SCREW,PLUG	1		
11	06.56190-0706		A14X20	SEALRING	4		
12	06.56190-0728			SEALRING	2		
13	65.90710-0250A			SPACER	1		
14	65.91701-0086			SPACER	1		
15	65.98103-0024A			UNION,BANJO	1		
16	06.16731-2111		A16	WASHER,SPRING	2		
17	06.01913-3122		M 8x55	BOLT ASSY	1		
18	06.01493-4507		M 16x40	BOLT,HEX	2		
19	120106-00191			BOLT,HEX FLANGE	4		
20	120106-00191			BOLT,HEX FLANGE	4		
21	65.05140-5001			BRACKET,OIL DRAIN PUMP	1		
22	120202-00294			CLAMP,HOSE	4		
23	65.97401-0110A			CLIP,PIPE	1		
24	65.98131-0071			CONNECTION,SCREW	1		

Fig. P401 OIL SEAL

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Fig . P401 O IL SEAL

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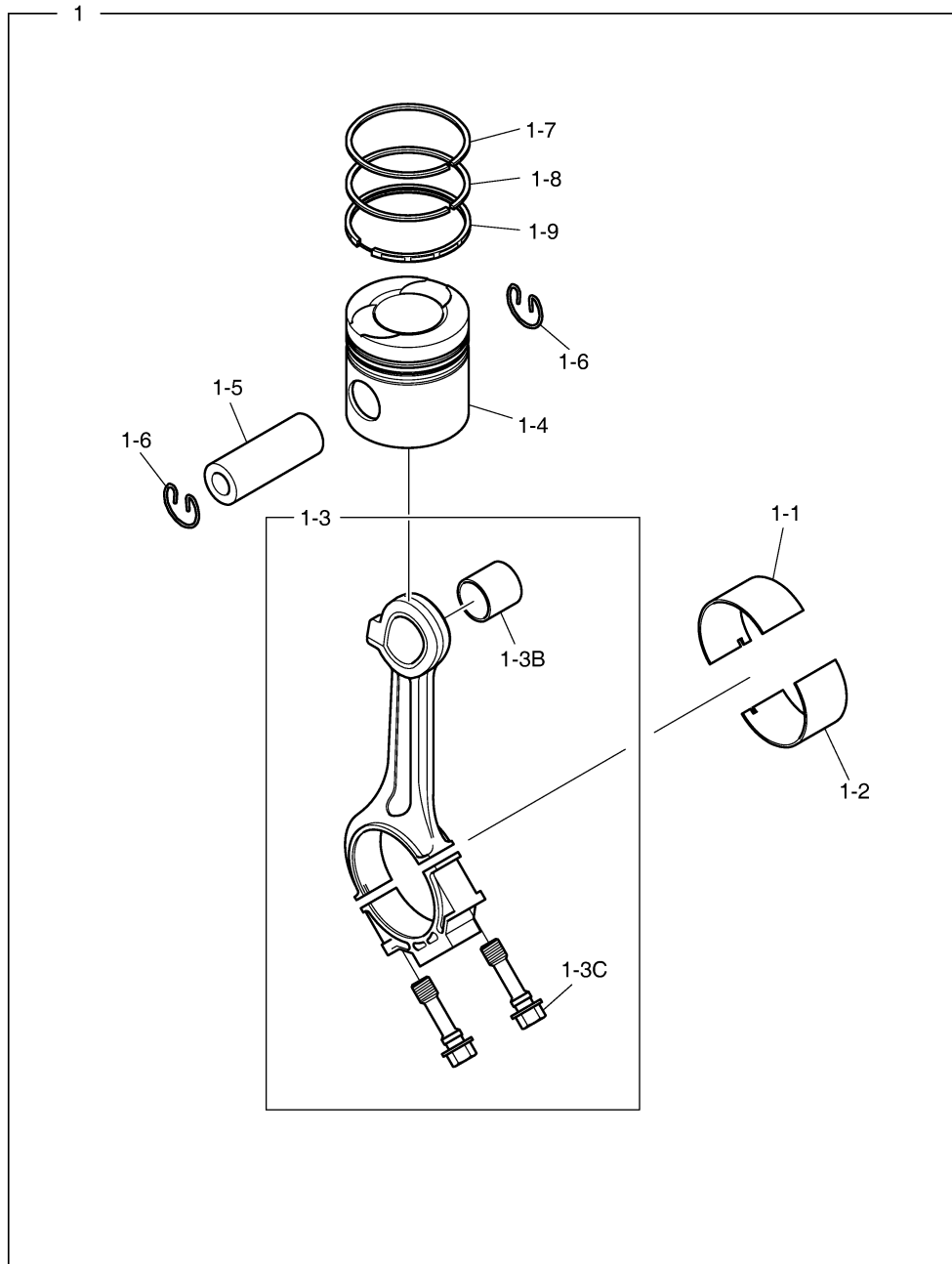
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.01501-5017E			HOLDER ASSY,OIL SEAL	1		
2	401107-02029			SEAL	1		
3	401106-00445			SEAL,OIL	1		
4	65.01905-0032	가		GASKET,OIL SEAL HOLDER	1		
5	06.01283-7115		M 8x25	BOLT,HEX	6		
6	06.16044-0210			WASHER,WAVE	6		

Fig . P402 PISTON

: EYZEG

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EDV15-P402-029-1

Fig. P402 PISTON

: EYZEG

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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	130602-00416			PISTON ASSY	8	NS	
1-1	150121-00104			ROD ASSY,CONNECTING	8		
1-1A	150121-00105			ROD,CONNECTING	8	NS	
1-1B	51.02405-1003			BUSHING,METAL	8		
1-1C	65.02411-0008			BOLT,HEX	16		
1-2	65.02410-0100		(STD)	BEARING,CONNECTING ROD	8		
1-2	65.02410-0101	..	(0.10)	..BEARING,CONNECTING ROD	1		20121012 ~
1-2	65.02410-0102	..	(0.25)	..BEARING,CONNECTING ROD	1		20121012 ~
1-2	65.02410-0103	..	(0.50)	..BEARING,CONNECTING ROD	1		20121012 ~
1-2	65.02410-0104	..	(0.75)	..BEARING,CONNECTING ROD	1		20121012 ~
1-2	65.02410-0105	..	(1.00)	..BEARING,CONNECTING ROD	1		20121012 ~
1-3	65.02410-0200		(STD)	BEARING,CONNECTING ROD	8		
1-3	65.02410-0201	..	(0.10)	..BEARING,CONNECTING ROD	1		20121012 ~
1-3	65.02410-0202	..	(0.25)	..BEARING,CONNECTING ROD	1		20121012 ~
1-3	65.02410-0203	..	(0.50)	..BEARING,CONNECTING ROD	1		20121012 ~
1-3	65.02410-0204	..	(0.75)	..BEARING,CONNECTING ROD	1		20121012 ~
1-3	65.02410-0205	..	(1.00)	..BEARING,CONNECTING ROD	1		20121012 ~
1-4	65.02501-0708			PISTON	8		
1-5	65.02503-0158			RING,PISTON	8	NS	
1-6	65.02503-0159	2		RING,PISTON	8	NS	
1-7	65.02503-0701			RING,PISTON	8	NS	
1-8	65.02502-0081			PIN,PISTON	8		
1-9	65.90810-0011			RING,SNAP	16		
2	130602-01807			PISTON ASSY	8		
2-1	150121-00389		;D2848/DV15	ROD ASSY,CONNECTING	8		
2-1A	150121-00390			ROD,CONNECTING	8		
2-1AA	150121-00391		;MATER IAL	ROD,CONNECTING	8		
2-1B	51.02405-1003			BUSHING,METAL	8		
2-1C	65.02411-0008			BOLT,HEX	16		
2-2	65.02410-0100		(STD)	BEARING,CONNECTING ROD	8		
2-2	65.02410-0101	..	(0.10)	..BEARING,CONNECTING ROD	1		20121012 ~
2-2	65.02410-0102	..	(0.25)	..BEARING,CONNECTING ROD	1		20121012 ~
2-2	65.02410-0103	..	(0.50)	..BEARING,CONNECTING ROD	1		20121012 ~
2-2	65.02410-0104	..	(0.75)	..BEARING,CONNECTING ROD	1		20121012 ~
2-2	65.02410-0105	..	(1.00)	..BEARING,CONNECTING ROD	1		20121012 ~
2-3	65.02410-0200		(STD)	BEARING,CONNECTING ROD	8		
2-3	65.02410-0201	..	(0.10)	..BEARING,CONNECTING ROD	1		20121012 ~
2-3	65.02410-0202	..	(0.25)	..BEARING,CONNECTING ROD	1		20121012 ~
2-3	65.02410-0203	..	(0.50)	..BEARING,CONNECTING ROD	1		20121012 ~
2-3	65.02410-0204	..	(0.75)	..BEARING,CONNECTING ROD	1		20121012 ~
2-3	65.02410-0205	..	(1.00)	..BEARING,CONNECTING ROD	1		20121012 ~
2-4	65.02501-0708			PISTON	8		
2-5	65.02503-0158			RING,PISTON	8	NS	
2-6	65.02503-0159	2		RING,PISTON	8	NS	
2-7	65.02503-0701			RING,PISTON	8	NS	
2-8	65.02502-0081			PIN,PISTON	8		
2-9	65.90810-0011			RING,SNAP	16		
3	130602-00450		;SUB ASS Y(CCS)	PISTON	8		

Fig. P402 PISTON

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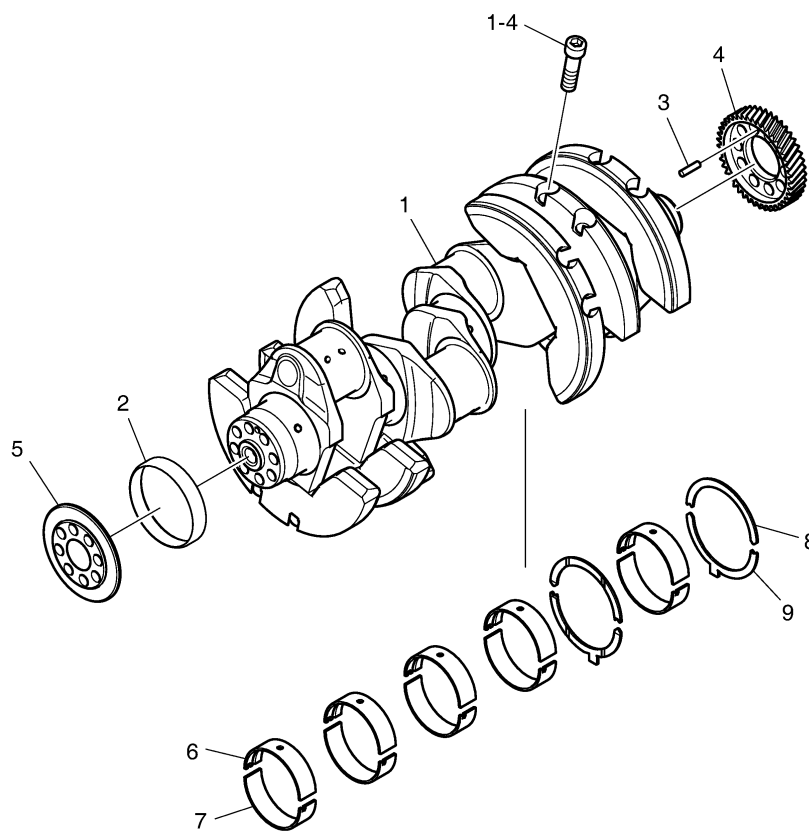
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3-1	65.02410-0100		(STD)	BEARING,CONNECTING ROD	8		
3-1	65.02410-0101	..	(0.10)	..BEARING,CONNECTING ROD	1		20121012 ~
3-1	65.02410-0102	..	(0.25)	..BEARING,CONNECTING ROD	1		20121012 ~
3-1	65.02410-0103	..	(0.50)	..BEARING,CONNECTING ROD	1		20121012 ~
3-1	65.02410-0104	..	(0.75)	..BEARING,CONNECTING ROD	1		20121012 ~
3-1	65.02410-0105	..	(1.00)	..BEARING,CONNECTING ROD	1		20121012 ~
3-2	65.02410-0200		(STD)	BEARING,CONNECTING ROD	8		
3-2	65.02410-0201	..	(0.10)	..BEARING,CONNECTING ROD	1		20121012 ~
3-2	65.02410-0202	..	(0.25)	..BEARING,CONNECTING ROD	1		20121012 ~
3-2	65.02410-0203	..	(0.50)	..BEARING,CONNECTING ROD	1		20121012 ~
3-2	65.02410-0204	..	(0.75)	..BEARING,CONNECTING ROD	1		20121012 ~
3-2	65.02410-0205	..	(1.00)	..BEARING,CONNECTING ROD	1		20121012 ~
3-3	150121-00061			ROD ASSY,CONNECTING	8		
3-3A	150121-00051			ROD ASSY,CONNECTING	8		
3-3B	51.02405-1003			BUSHING,METAL	8		
3-3C	65.02411-0008			BOLT,HEX	16		
3-4	65.02501-0708			PISTON	8		
3-5	65.02503-0158			RING,PISTON	8	NS	
3-6	65.02503-0159	2		RING,PISTON	8	NS	
3-7	65.02503-0701			RING,PISTON	8	NS	
3-8	65.02502-0081			PIN,PISTON	8		
3-9	65.90810-0011			RING,SNAP	16		
4	130602-01856			PISTON ASSY	8		
4-1	150121-00431		;D2848 /DV15	ROD ASSY,CONNECTING	8		
4-1A	150121-00432			ROD,CONNECTING	8		
4-1AA	150121-00433		MATERIAL	ROD,CONNECTING	8		
4-1B	51.02405-1003			BUSHING,METAL	8		
4-1C	65.02411-0008			BOLT,HEX	16		
4-2	65.02410-0100		(STD)	BEARING,CONNECTING ROD	8		
4-2	65.02410-0101	..	(0.10)	..BEARING,CONNECTING ROD	1		20121012 ~
4-2	65.02410-0102	..	(0.25)	..BEARING,CONNECTING ROD	1		20121012 ~
4-2	65.02410-0103	..	(0.50)	..BEARING,CONNECTING ROD	1		20121012 ~
4-2	65.02410-0104	..	(0.75)	..BEARING,CONNECTING ROD	1		20121012 ~
4-2	65.02410-0105	..	(1.00)	..BEARING,CONNECTING ROD	1		20121012 ~
4-3	65.02410-0200		(STD)	BEARING,CONNECTING ROD	8		
4-3	65.02410-0201	..	(0.10)	..BEARING,CONNECTING ROD	1		20121012 ~
4-3	65.02410-0202	..	(0.25)	..BEARING,CONNECTING ROD	1		20121012 ~
4-3	65.02410-0203	..	(0.50)	..BEARING,CONNECTING ROD	1		20121012 ~
4-3	65.02410-0204	..	(0.75)	..BEARING,CONNECTING ROD	1		20121012 ~
4-3	65.02410-0205	..	(1.00)	..BEARING,CONNECTING ROD	1		20121012 ~
4-4	65.02501-0708			PISTON	8		
4-5	65.02503-0158			RING,PISTON	8	NS	
4-6	65.02503-0159	2		RING,PISTON	8	NS	
4-7	65.02503-0701			RING,PISTON	8	NS	
4-8	65.02502-0081			PIN,PISTON	8		
4-9	65.90810-0011			RING,SNAP	16		

Fig. P404 CRANKSHAFT

: EYZEG

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Fig . P404 CRANKSHAFT

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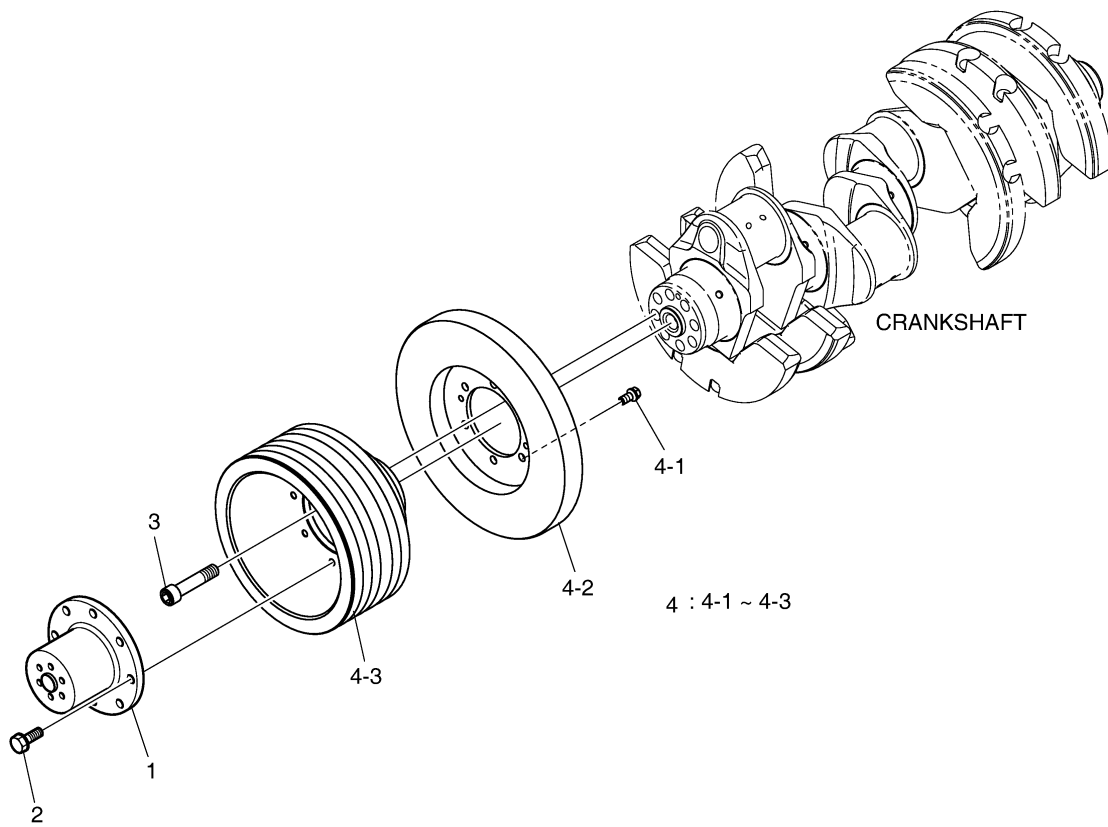
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	150107-00517			CRANKSHAFT ASSY	1		
1-4	65.90030-0048A			BOLT,HEX SOCKET	12		
2	401007-00120		;FRONT	RING,WEAR	1		
3	06.22022-3065			PIN,PARALLEL	1		
4	65.02115-0066			GEAR,CRANKSHAFT	1		
5	401102-00033			HOLDER,OIL SEAL	1		
6	65.01110-0070		(STD)	BEARING,MAIN	5		
7	65.01110-0080		(STD)	BEARING,MAIN	5		
8	140110-00056		() (STD)	BEARING,THRUST	2		
9	140110-00057		() (STD)	BEARING,THRUST	2		
10	150107-00609			CRANKSHAFT ASSY	1		
10-1	150107-00610			CRANKSHAFT	1		
10-1A	150107-00611			CRANKSHAFT	1		
10-1AA	150107-00612			CRANKSHAFT	1		
10-4	65.90030-0048A			BOLT,HEX SOCKET	12		
11	150107-00161A		;D2848	CRANKSHAFT ASSY	1		
11-1	150107-00162A			CRANKSHAFT	1		
11-1A	150107-00164A			CRANKSHAFT	1		
11-4	65.90030-0048A			BOLT,HEX SOCKET	12		
12	150107-00661			CRANKSHAFT ASSY	1		
12-1	150107-00660			CRANKSHAFT	1		
12-1A	150107-00659			CRANKSHAFT	1		
12-1AA	150107-00658			CRANKSHAFT	1		
12-4	65.90030-0048A			BOLT,HEX SOCKET	12		

Fig. P405 CRANKSHAFT PULLEY

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EDV15-P405-029-1

Fig . P405 CRANKSHAFT PULLEY

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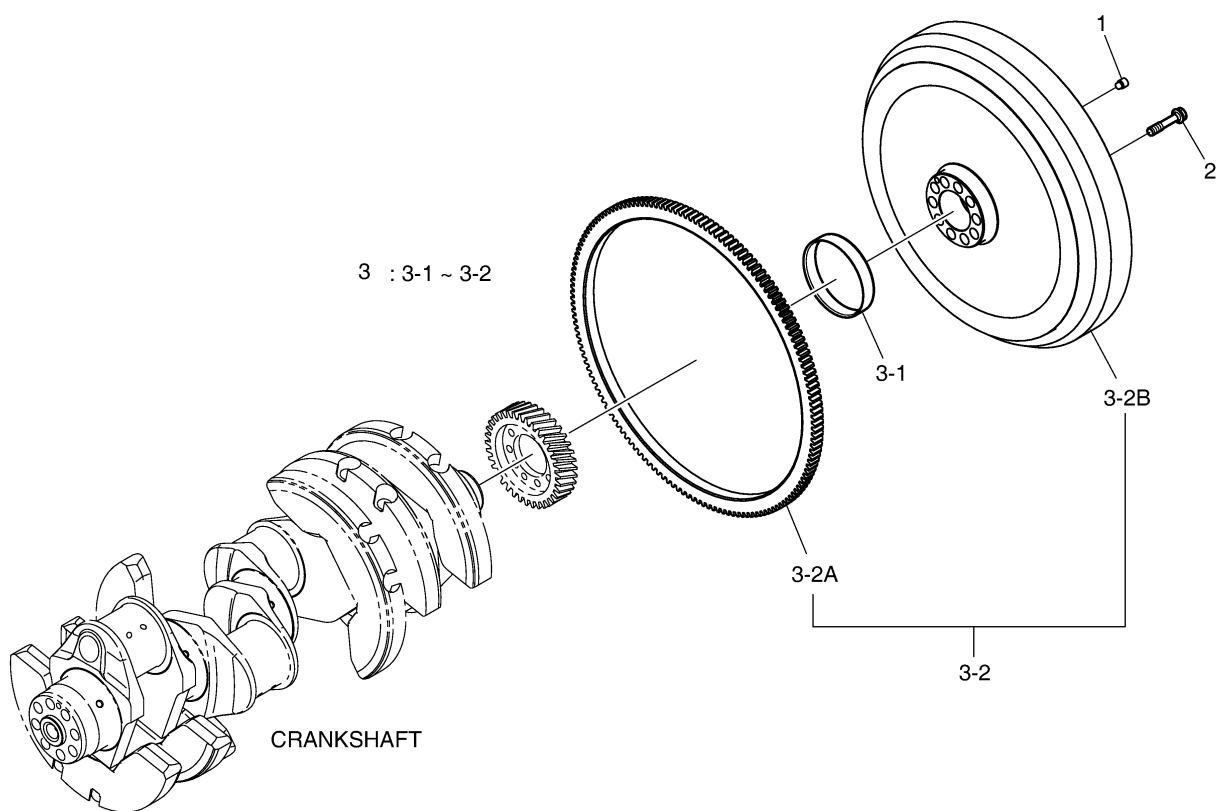
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.34801-0003			COUPLING	1		
2	06.01923-3217		가	BOLT ASSY	8		
3	06.02106-0824			BOLT,HEX SOCKET	8		
4	180313-00451			DAMPER,VIBRATION	1		
4-1	65.02201-7033			DAMPER	1		
4-2	65.90020-0062B			BOLT,HEX	6		
4-3	130711-00182		V- BELT	PULLEY,CRANKSHAFT	1		

Fig . P407 FLYWHEEL

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Fig . P407 FLYWHEEL

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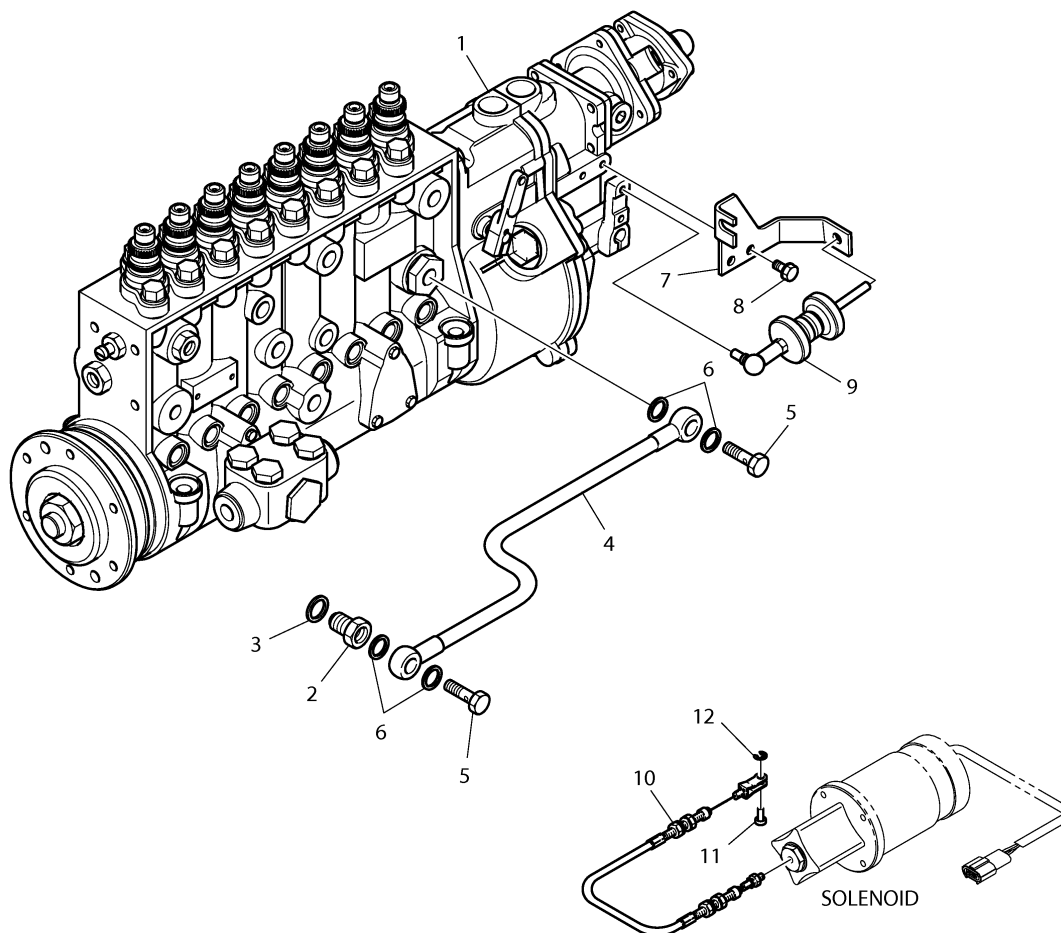
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.91001-0004			PLUG,CORE	1		
2	65.90020-0127			BOLT,HEX	10		
3	150111-00279			FLYWHEEL ASSY	1	NS	
3-1	65.02130-0002			RING,WEAR	1		
3-2	65.02301-5014C			FLYWHEEL ASSY	1		
3-2A	65.02301-0303E			FLYWHEEL	1		
3-2B	65.02310-0073D			GEAR,RING	1		

Fig. P501 INJECTION PUMP

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Fig . P501 NJECTION PUMP

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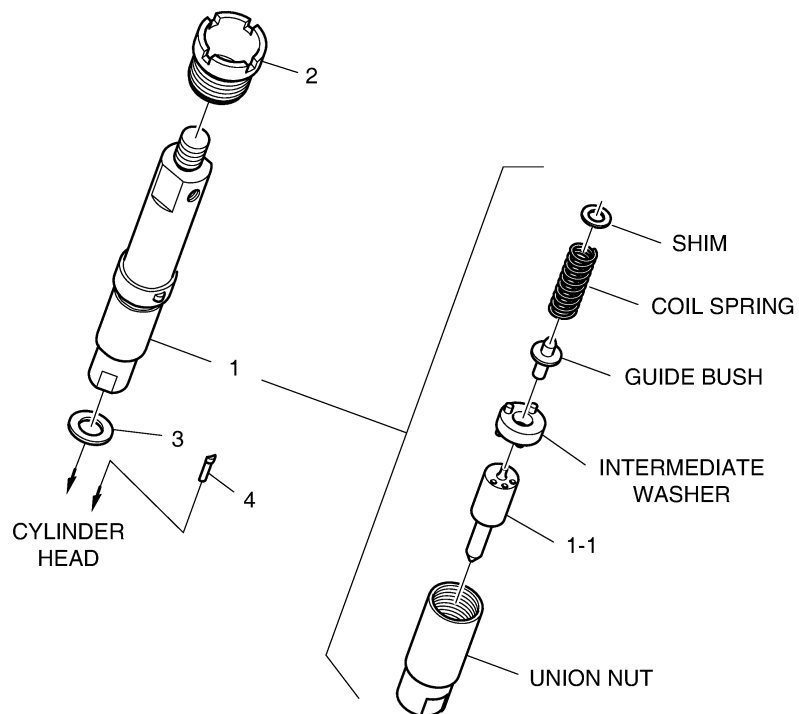
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	400912-00306			PUMP ASSY,INJECTION	1		
2	65.98130-0151			ADAPTER	1		
3	06.56190-0726			SEALRING	1		
4	65.05701-5355			PIPE,OIL DELIVERY	1		
5	06.78144-2204			SCREW,HOLLOW	2		
6	06.56190-0706		A14X20	SEALRING	4		
7	65.25909-0018			BRACKET,STOP CABLE	1		
8	06.01923-2910		M 6x12	BOLT ASSY	2		
9	65.11600-6015			CONTROL ASSY,ENGINE	1		
10	60.11610-7033			CABLE	1		
11	60.91010-0011			PIN	1		
12	06.29030-2108			RING,SNAP	1		

Fig . P502 NJECTION NOZZLE

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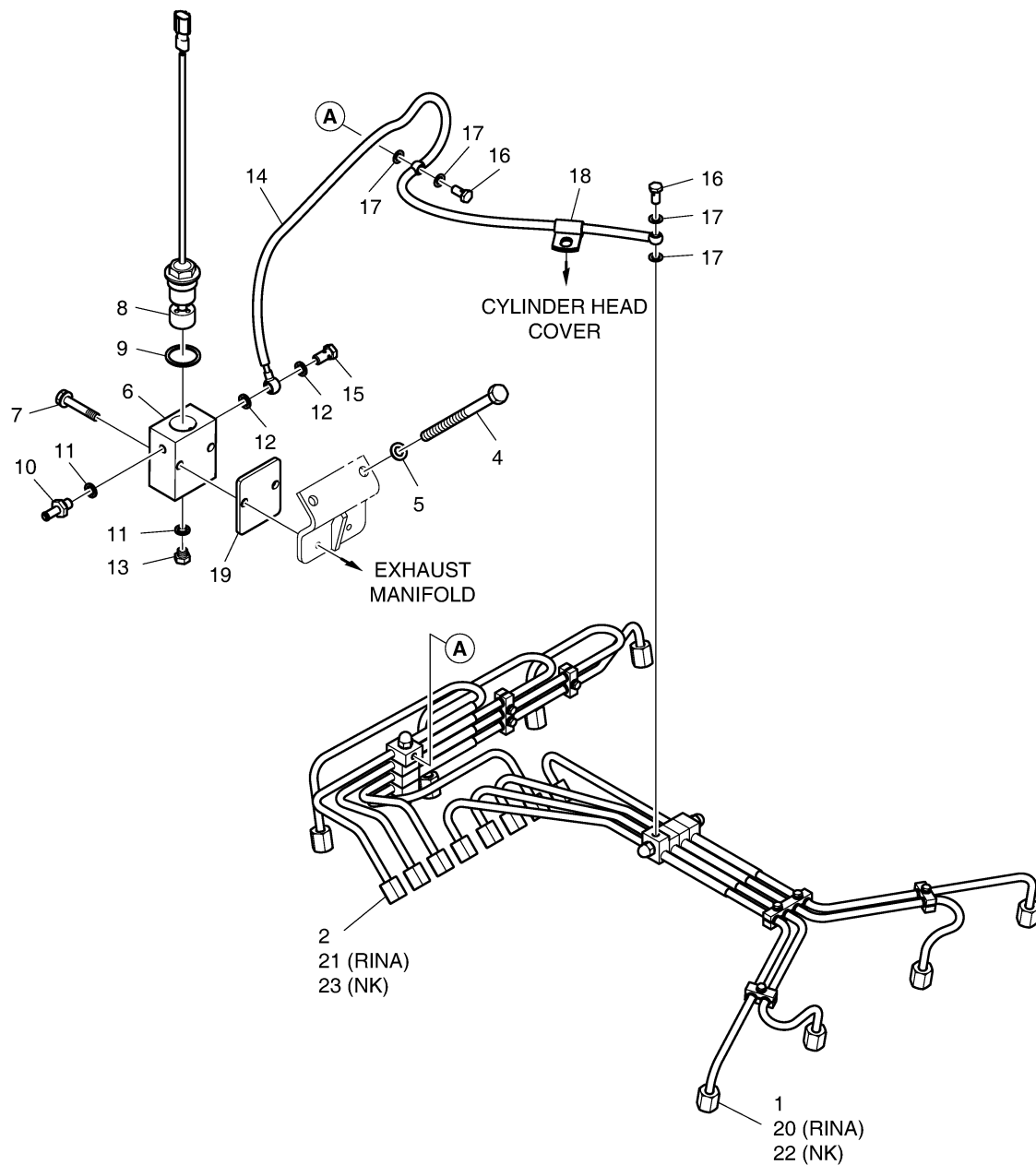
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Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Population (millions)	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7
GDP (trillion USD)	45.0	48.0	51.0	54.0	57.0	60.0	63.0	66.0	69.0	72.0	75.0	78.0	81.0	84.0	87.0	90.0	93.0	96.0	99.0	102.0	105.0
Per capita GDP (USD)	5,844	6,077	6,309	6,512	6,706	6,897	7,079	7,254	7,419	7,579	7,737	7,897	8,057	8,217	8,377	8,537	8,697	8,857	9,017	9,177	9,337

Fig. P503 NJECTION PIPE

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EDV15-P503-033-1

Fig . P503 NJECTION P PE

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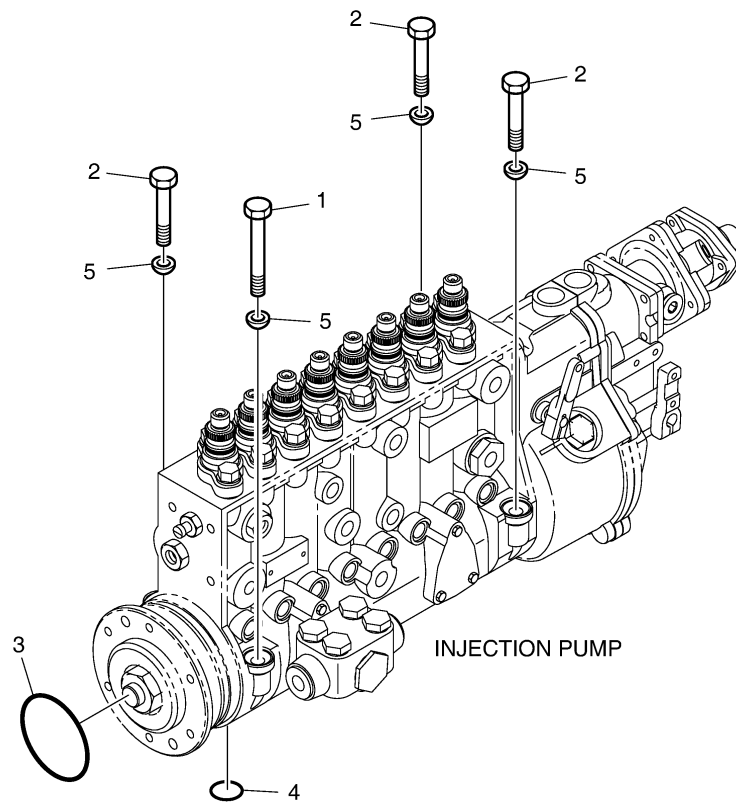
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.10301-6069			PIPE,INJECTION	1		
2	65.10301-6071			PIPE,INJECTION	1		
4	06.01014-9230		M 10x150	BOLT,HEX	2		
5	06.16731-2108		A10	WASHER,SPRING	2		
6	65.12201-0001			TANK,FUEL	1		
7	06.01913-3122		M 8x55	BOLT ASSY	2		
8	301410-00021			SWITCH,LEVEL	1		
9	06.56190-0732		M 8X65	SEALRING	1		
10	65.98130-0143			ADAPTER	1		
11	06.56180-0714			SEALRING	2		
12	06.56180-0714			SEALRING	2		
13	06.08092-2402		M 10x1.25	SCREW,PLUG	1		
14	65.96341-0047B			TUBE,FUEL	1		
15	06.78144-2402			SCREW,HOLLOW	1		
16	65.98150-0042A			SCREW,HOLLOW	2		
17	06.56180-0712		A8x14	SEALRING	4		
18	65.97401-0110A			CLIP,PIPE	1		
19	180308-00427			RUBBER	1		
20	420208-00746		;CYL NDER NO .1,2,3,4	PIPE,INJECTION	1		
21	420208-00747		;CYL NDER NO .5,6,7,8	PIPE,INJECTION	1		
22	420208-00748		;CYL NDER NO .1,2,3,4	PIPE,INJECTION	1		
23	420208-00749		;CYL NDER NO .5,6,7,8	PIPE,INJECTION	1		

Fig. P504 INJECTION PUMP MOUNTING

: EYZEG

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Fig. P504 INJECTION PUMP MOUNTING

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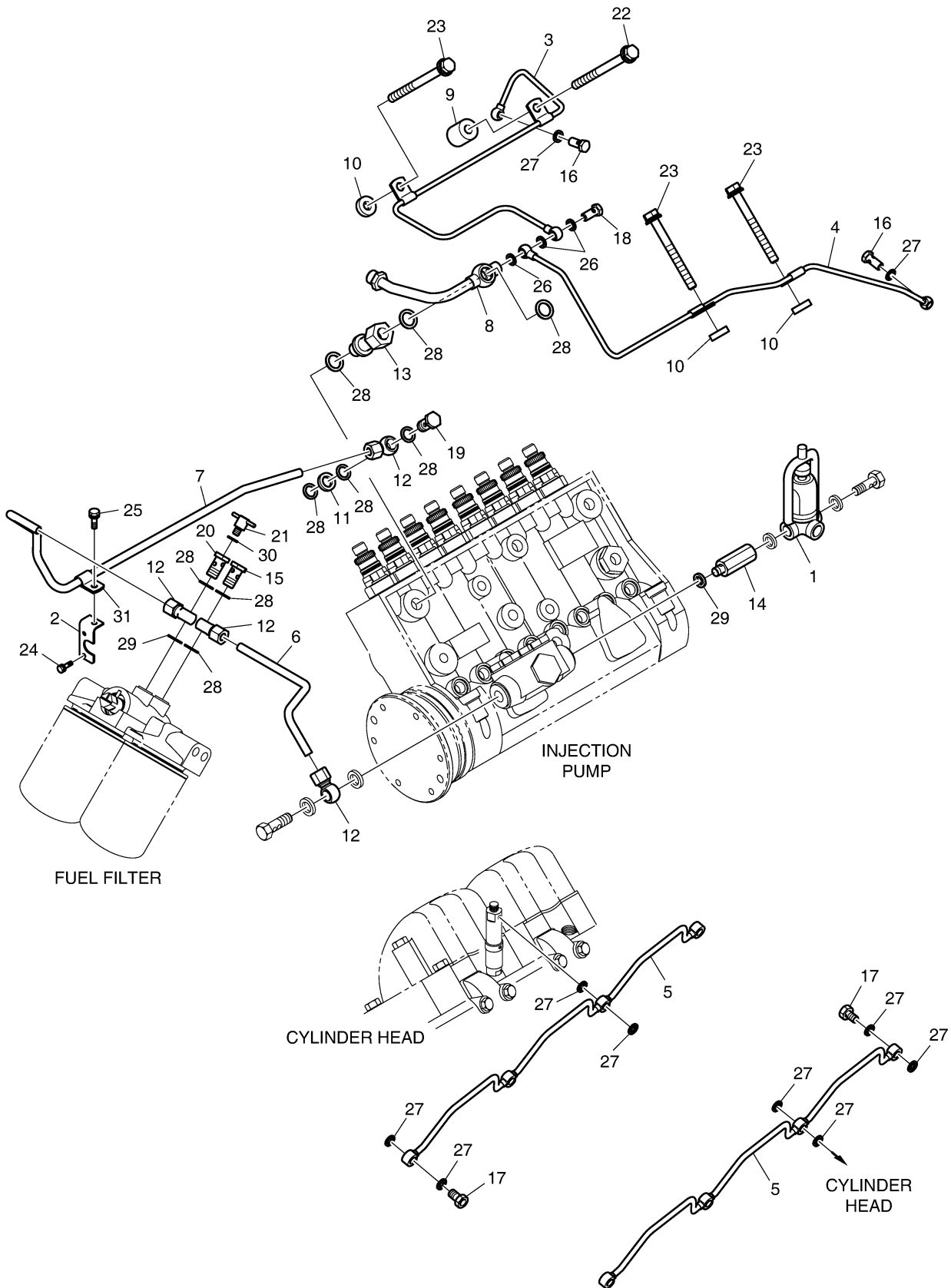
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	06.01014-7225		M 10x100	BOLT,HEX	1		
2	65.90001-0146A			BOLT,HEX	3		
3	51.96501-0295	O -		RING,O	1		
4	51.96501-0322	O -		RING,O	1		
5	06.15061-0103			WASHER	4		

Fig . P505 FUEL LINE

: EYZEG

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Fig . P505 FUEL L NE

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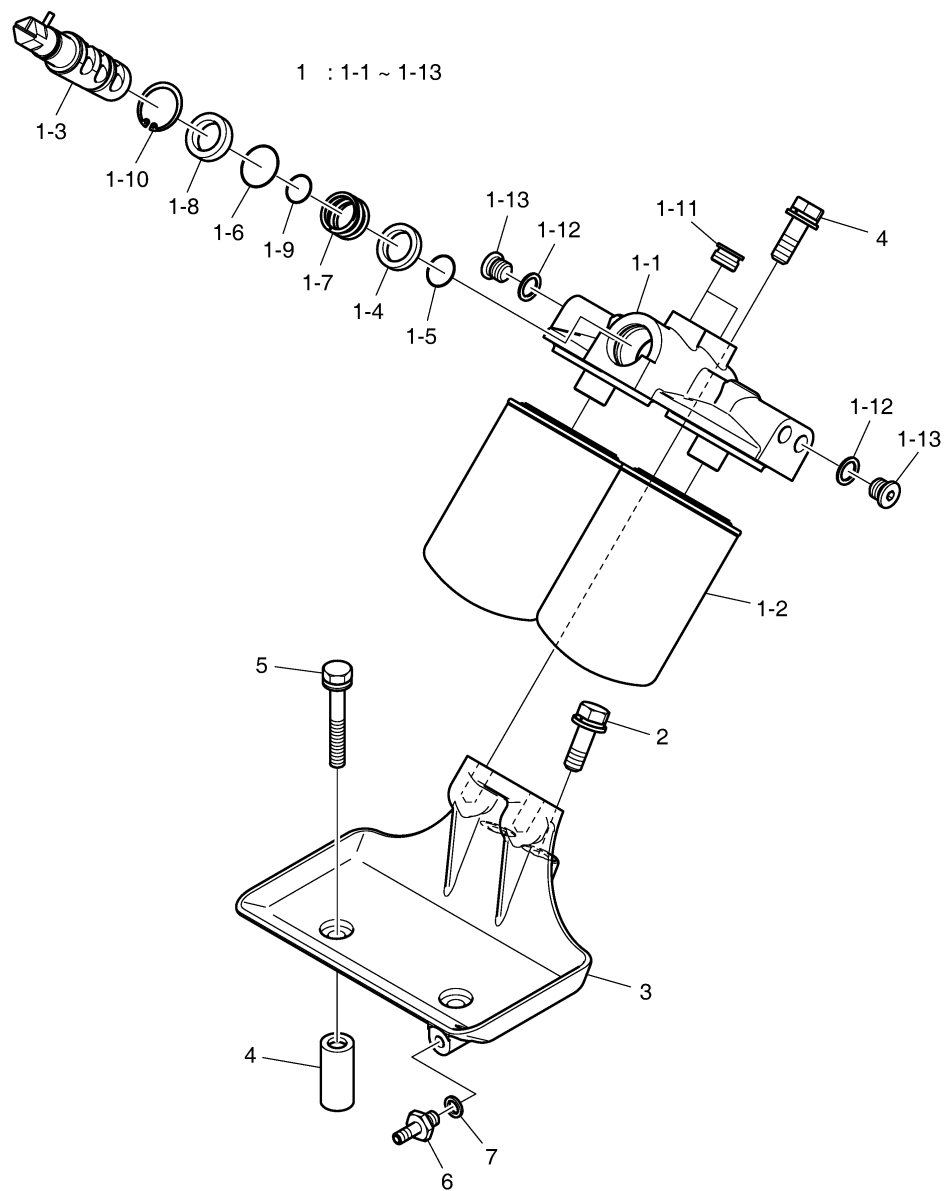
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.12501-7018A			FILTER ASSY,FUEL	1		
2	65.97480-5010			HOLDER	1		
3	420204-00523			PIPE,FUEL RETURN	1		
4	420204-00524			PIPE,FUEL RETURN	1		
5	65.12301-5142			PIPE,FUEL	2		
5-1	420204-00458			PIPE,FUEL	2		
5-3	65.98101-2024			UNION,DOUBLE BANJO	4		
6	65.12301-0006A			PIPE,FUEL	1		
7	65.12301-0009A			PIPE,FUEL	1		
8	65.12301-5215			PIPE,FUEL	1		
9	65.91701-0184			SPACER	3		
10	65.91701-0121			SPACER	3		
11	65.91701-0183			SPACER	1		
12	65.98103-6001A			UNION ASSY,BANJO	4		
12-1	65.98103-0015			UNION,BANJO	4		
12-2	06.71024-0107			RING,DIE	4	NS	
12-3	06.71030-8113			NUT,UNION	4	NS	
13	65.98130-0128			ADAPTER	1		
14	65.98130-0087			ADAPTER	1		
15	06.78144-2204			SCREW,HOLLOW	2		
16	120703-00031			SCREW,HOLLOW	2		
17	120703-00030			SCREW,HOLLOW	6		
18	120703-00034			SCREW,HOLLOW	1		
19	06.78144-8404			SCREW,HOLLOW	1		
20	65.98150-0029			SCREW,HOLLOW	1		
21	65.12509-5002			SCREW KIT	1		
22	06.01923-3131		M 8x100	BOLT ASSY	1		
23	06.01923-3133			BOLT,HEX	3		
24	06.01913-2911			BOLT ASSY	2		
25	06.01923-3111		M 8x16	BOLT ASSY	1		
26	65.96507-0001		A8x14	SEALRING	3		
27	401109-00221			SEALRING,RUBBER	18		
28	06.56190-0706		A14X20	SEALRING	11		
29	06.56190-0706		A14X20	SEALRING	2		
30	06.56180-0712		A8x14	SEALRING	1		
31	65.97401-0177			CLIP,PIPE	1		

Fig . P506 FUEL FILTER

: EYZEG

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EDV15-P506-019-1

Fig . P506 FUEL FILTER

: EYZEG

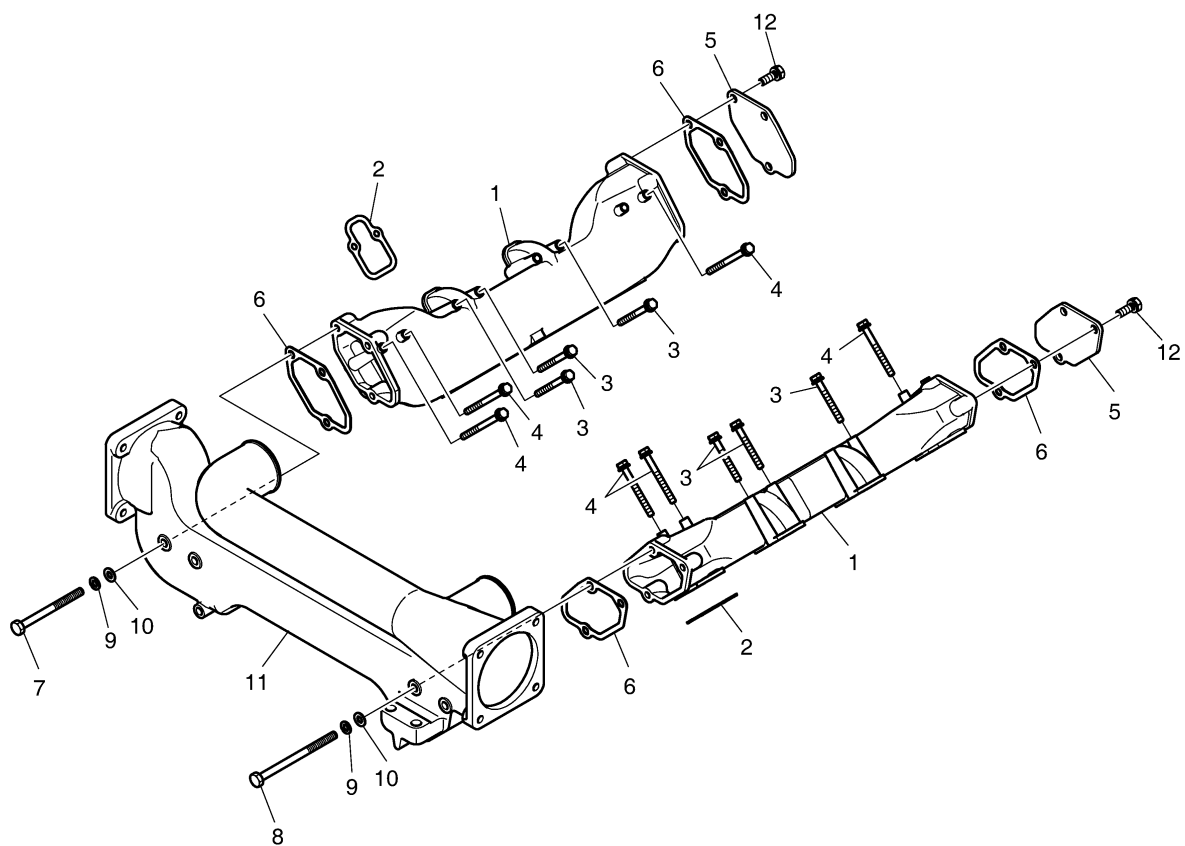
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	400403-00352			FILTER ASSY,FUEL	1		
1-1	65.12504-0010B			HEAD,FUEL FILTER	1		
1-2	65.12503-5025A			ELEMENT,FUEL FILTER	2		
1-3	65.12545-0005A			COCK	1		
1-4	111601-00830			SPRING,SEAT	1		
1-5	06.56010-0501		O -	RING,O	1		
1-6	06.56010-0506		O -	RING,O	1		
1-7	111601-00832			SPRING	1		
1-8	65.12511-0004			RING,WEAR	1		
1-9	06.56010-0309		O -	RING,O	1		
1-10	06.29020-0119			RING,SNAP	1		
1-11	65.92010-0049			BUSHING	2		
1-12	06.56190-0706		A14X20	SEALRING	4		
1-13	06.08041-2203		M 14x1.5	SCREW,PLUG	4		
2	06.01953-3318		M 12x35	BOLT ASSY	4		
3	65.12540-5027			BRACKET,FUEL FILTER	1		
4	65.91701-0532			SPACER	2		
5	06.01923-3226		M 10x75	BOLT ASSY	2		
6	65.98130-0005			ADAPTER	1		
7	06.56180-0714			SEALRING	1		

Fig . P601 NTAKE MAN IFOLD

: EYZEG

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Fig . P601 NTAKE MAN IFOLD

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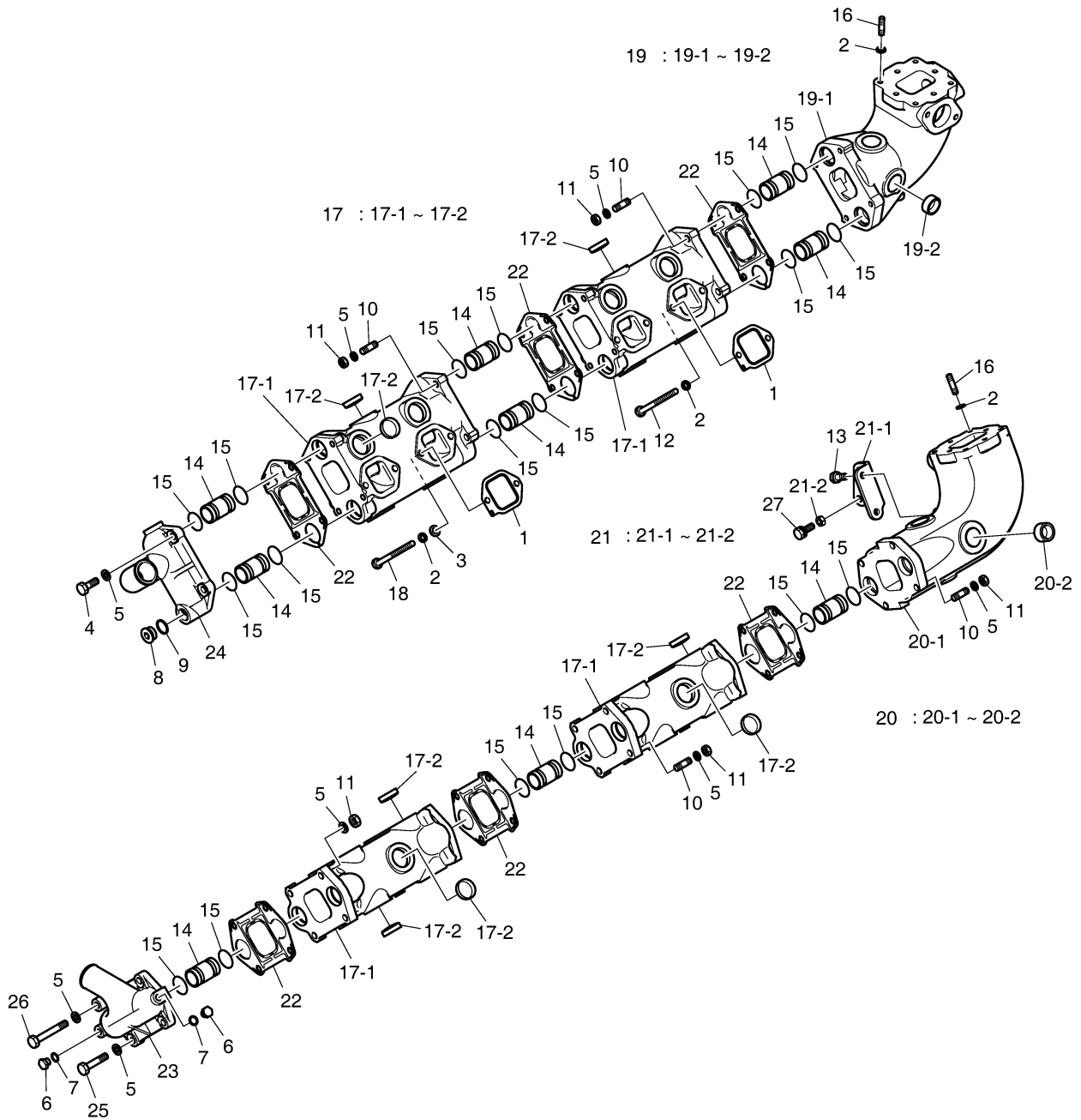
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.08201-5250A			MANIFOLD,INTAKE	2		
2	65.08902-0078D		가	GASKET,INTAKE MANIFOLD	8		
3	06.01923-3129		M 8x90	BOLT ASSY	8		
4	06.01923-3132		M 8x110	BOLT ASSY	8		
5	65.08203-0001A			COVER,INTAKE	2		
6	65.08902A0057		가	GASKET,INTAKE MANIFOLD COVER	4		
7	06.01013-9227		M 10x120	BOLT,HEX	3		
8	06.01013-9231		M 10x160	BOLT,HEX	3		
9	06.16731-2108		A10	WASHER,SPRING	6		
10	06.15010-2312		10.5	WASHER,PLAIN	6		
11	65.09411-5078			PIPE,AIR	1		
12	06.01913-3217		M 10X30	BOLT ASSY	6		

Fig. P602 EXHAUST MAN FOLD

: EYZEG

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EDV15-P602-019-1

Fig . P602 EXHAUST MAN FOLD

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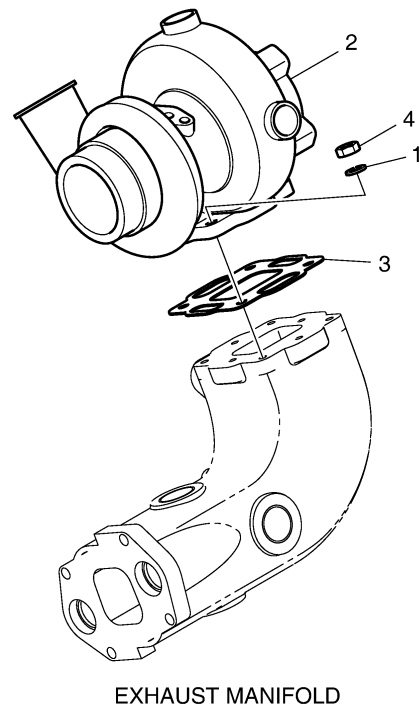
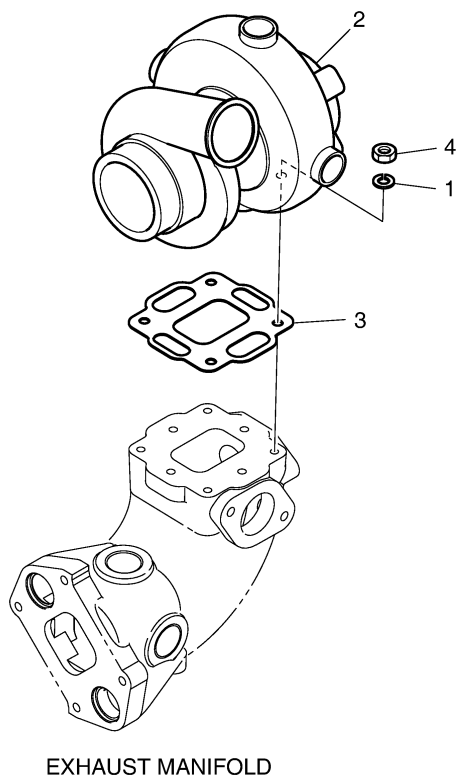
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.08901-0047		가	GASKET,EXHAUST MANIFOLD	8		
2	06.16731-2108		A10	WASHER,SPRING	16		
3	06.15010-2312		10.5	WASHER,PLAIN	4		
4	06.01493-4307		M 12x40	BOLT,HEX	4		
5	06.16731-2109		A12	WASHER,SPRING	32		
6	06.08092-2404		M 14x1.5	SCREW,PLUG	2		
7	06.56190-0706		A14X20	SEALRING	2		
8	65.90310-0149A		M 26x1.5	SCREW,PLUG	1		
9	06.56190-0726			SEALRING	1		
10	65.90201-0144		M 12x38	BOLT,STUD	16		
11	06.11063-9216		M 12	NUT,HEX	28		
12	06.01014-9229		M 10x140	BOLT,HEX	12		
13	06.01943-3317		M 12x30	BOLT ASSY	2		
14	65.06301-0161			PIPE,COOLING WATER	12		
15	06.56027-0103	O -		RING,O	24		
16	65.90201-0072		M 10x30	BOLT,STUD	8		
17	240102-00230			MANIFOLD ASSY,EXHAUST	4		
17-1	240102-00228			MANIFOLD,EXHAUST	4	NS	
17-2	06.15096-0326			PLUG,CORE	32		
18	06.01014-9230		M 10x150	BOLT,HEX	4		
19	65.08101-6003B			MANIFOLD,EXHAUST	1		
19-1	65.08101-0208A			MANIFOLD,EXHAUST	1		
19-2	06.15096-0326			PLUG,CORE	4		
20	65.08101-6004A			MANIFOLD,EXHAUST	1		
20-1	65.08101-0209			MANIFOLD,EXHAUST	1		
20-2	06.15096-0326			PLUG,CORE	5		
21	65.97480-0624			HOLDER	1		
21-1	420208-00459			PIPE,INJECTION	1		
21-2	06.11063-8216		M 12	NUT,HEX	2		
22	60.08901-0015		가	GASKET,EXHAUST MANIFOLD	6		
23	60.08116-0012			COVER,EXHAUST MANIFOLD	1		
24	65.08116-0009			COVER,EXHAUST MANIFOLD	1		
25	06.01493-4311		M 12x60	BOLT,HEX	3		
26	06.01493-4317		M 12x90	BOLT,HEX	1		
27	06.01953-3317		M 12x30	BOLT ASSY	2		

Fig . P603 TURBOCHARGER

: EYZEG

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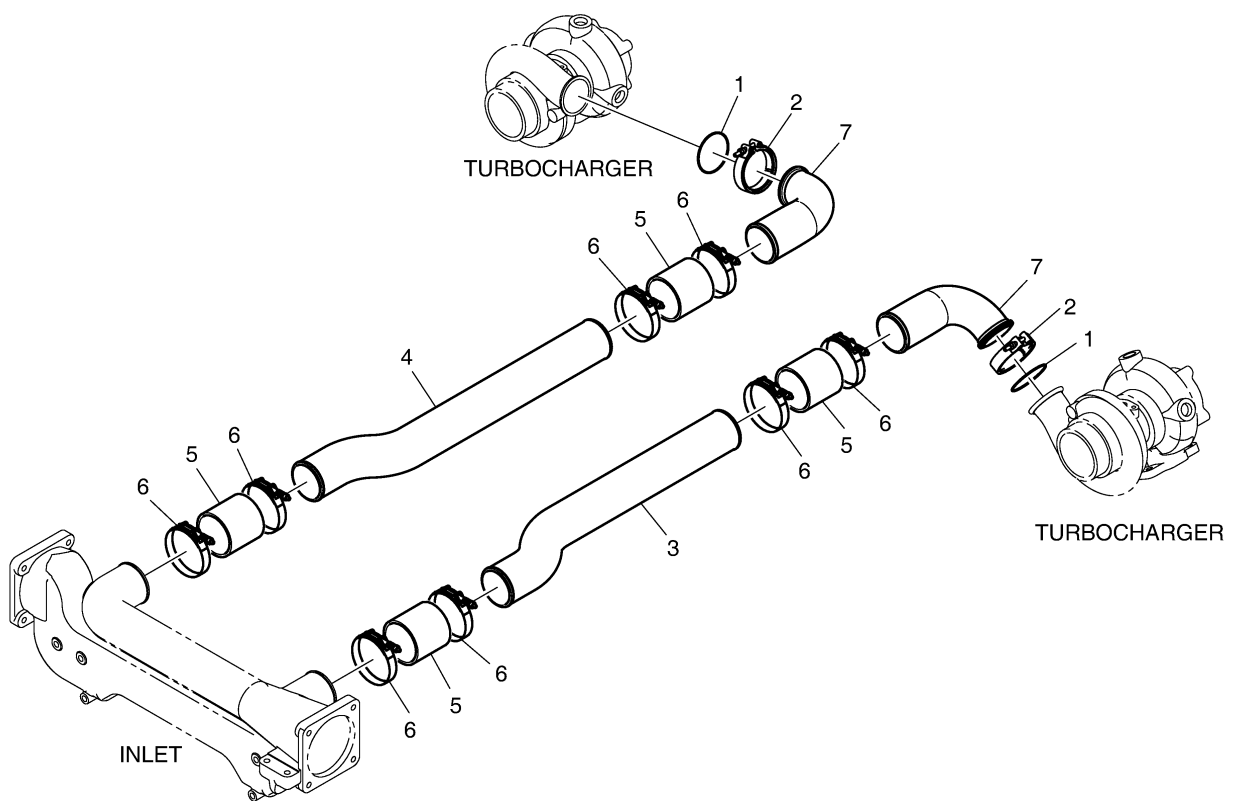
EDV15-P603-019-1

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Population	7,826,210	7,876,210	7,926,210	7,976,210	8,026,210	8,076,210	8,126,210	8,176,210	8,226,210	8,276,210	8,326,210	8,376,210	8,426,210	8,476,210	8,526,210	8,576,210	8,626,210	8,676,210	8,726,210	8,776,210	8,826,210	8,876,210	8,926,210	8,976,210	9,026,210	9,076,210	9,126,210	9,176,210	9,226,210	9,276,210	9,326,210	9,376,210	9,426,210	9,476,210	9,526,210	9,576,210	9,626,210	9,676,210	9,726,210	9,776,210	9,826,210	9,876,210	9,926,210	9,976,210	10,026,210	10,076,210	10,126,210	10,176,210	10,226,210	10,276,210	10,326,210	10,376,210	10,426,210	10,476,210	10,526,210	10,576,210	10,626,210	10,676,210	10,726,210	10,776,210	10,826,210	10,876,210	10,926,210	10,976,210	11,026,210	11,076,210	11,126,210	11,176,210	11,226,210	11,276,210	11,326,210	11,376,210	11,426,210	11,476,210	11,526,210	11,576,210	11,626,210	11,676,210	11,726,210	11,776,210	11,826,210	11,876,210	11,926,210	11,976,210	12,026,210	12,076,210	12,126,210	12,176,210	12,226,210	12,276,210	12,326,210	12,376,210	12,426,210	12,476,210	12,526,210	12,576,210	12,626,210	12,676,210	12,726,210	12,776,210	12,826,210	12,876,210	12,926,210	12,976,210	13,026,210	13,076,210	13,126,210	13,176,210	13,226,210	13,276,210	13,326,210	13,376,210	13,426,210	13,476,210	13,526,210	13,576,210	13,626,210	13,676,210	13,726,210	13,776,210	13,826,210	13,876,210	13,926,210	13,976,210	14,026,210	14,076,210	14,126,210	14,176,210	14,226,210	14,276,210	14,326,210	14,376,210	14,426,210	14,476,210	14,526,210	14,576,210	14,626,210	14,676,210	14,726,210	14,776,210	14,826,210	14,876,210	14,926,210	14,976,210	15,026,210	15,076,210	15,126,210	15,176,210	15,226,210	15,276,210	15,326,210	15,376,210	15,426,210	15,476,210	15,526,210	15,576,210	15,626,210	15,676,210	15,726,210	15,776,210	15,826,210	15,876,210	15,926,210	15,976,210	16,026,210	16,076,210	16,126,210	16,176,210	16,226,210	16,276,210	16,326,210	16,376,210	16,426,210	16,476,210	16,526,210	16,576,210	16,626,210	16,676,210	16,726,210	16,776,210	16,826,210	16,876,210	16,926,210	16,976,210	17,026,210	17,076,210	17,126,210	17,176,210	17,226,210	17,276,210	17,326,210	17,376,210	17,426,210	17,476,210	17,526,210	17,576,210	17,626,210	17,676,210	17,726,210	17,7

Fig . P605 INTERCOOLER

: EYZEG

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Fig . P605 INTERCOOLER

: EYZEG

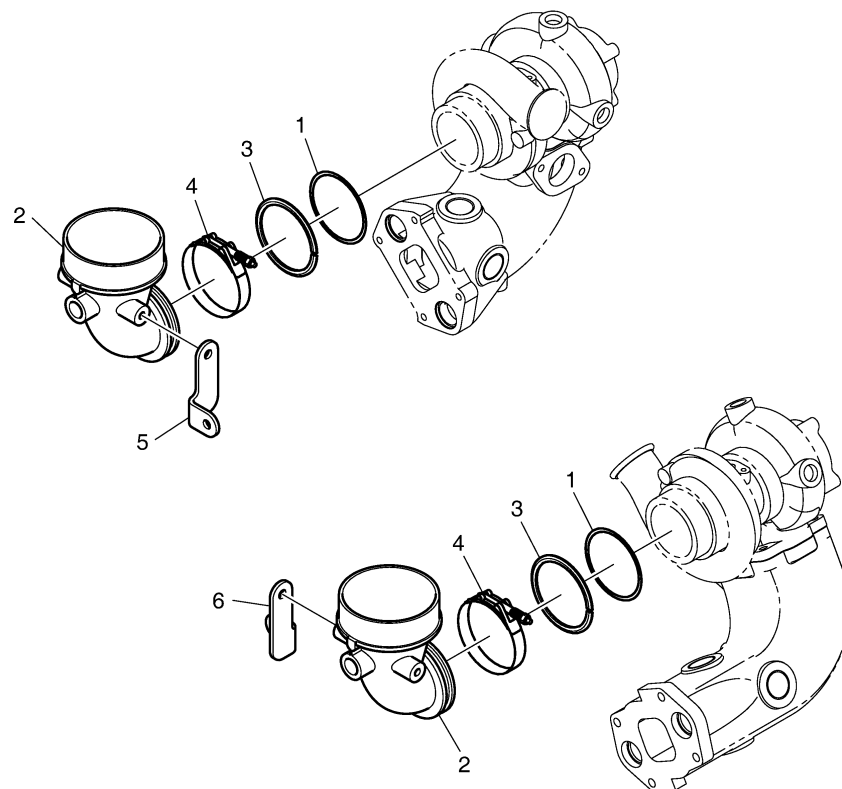
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.96501-0420		O -	RING,O	2		
2	65.97450-5001A		V	CLAMP	2		
3	65.09411-0210			PIPE,AIR INLET	1		
4	65.09411-0211			PIPE,AIR INLET	1		
5	420108-00152			HOSE,RUBBER	4		
6	65.97440-5005			CLAMP,HOSE	8		
7	65.09411-0203			PIPE,AIR INLET	2		

Fig. P606 A R CLEANER

: EYZEG

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H083-DV15-004/120724

Fig . P606 A R CLEANER

: EYZEG

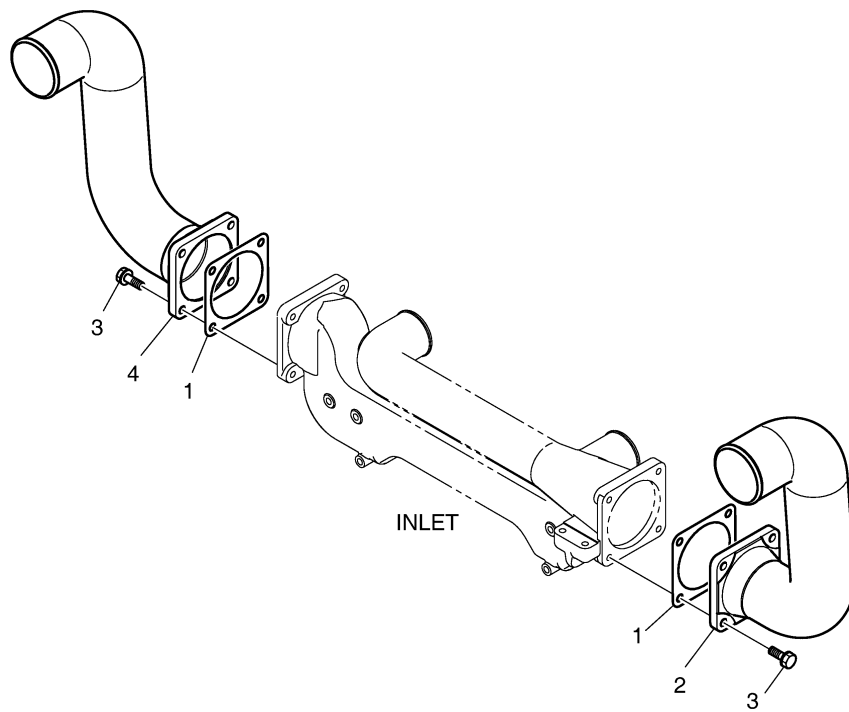
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.96501-0075		O -	RING,O	2		
2	240401-00014			STAKE,INTAKE	2		
3	65.08212-0002			INSERT	2		
4	65.97450-5006		V	CLAMP,V	2		
5	110928-00003			HOLDER,AIR FILTER	1		
6	110928-00002			HOLDER,AIR FILTER	1		

Fig. P607 NTAKE STAKE

: EYZEG

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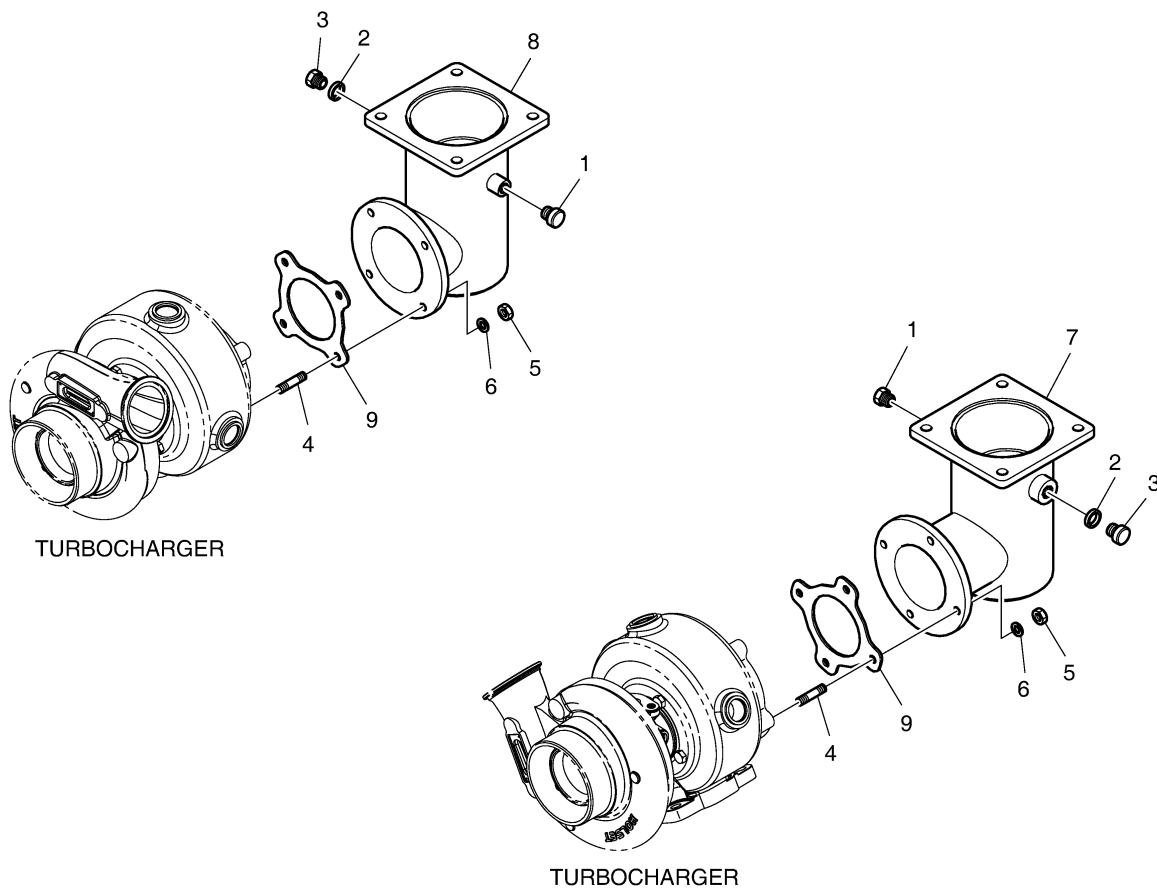


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Fig . P608 EXHAUST PIPE

: EYZEG

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EDV15-P608-029-1

Fig . P608 EXHAUST P PE

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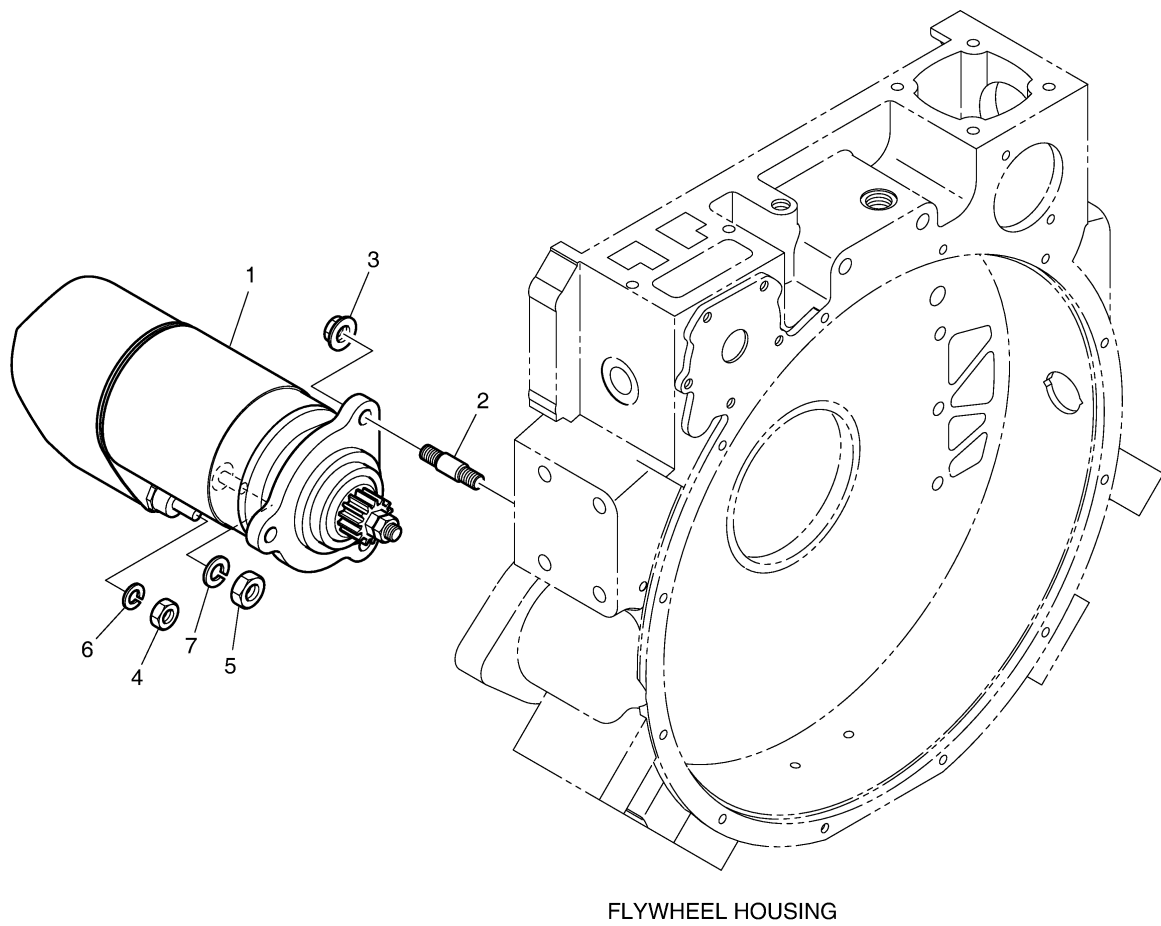
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	65.90310-0123			SCREW,PLUG	2		
2	06.56190-0709		A14x20	SEALRING	2		
3	06.08092-2405		M 16x1.5	SCREW,PLUG	2		
4	06.06225-0706		M 8x25	BOLT,STUD	8		
5	06.11063-8214		M 8	NUT,HEX	8		
6	06.16731-2107		A8	WASHER,SPRING	8		
7	65.08112-5009A			ELBOW,EXHAUST	1		
8	65.08112-5010A			ELBOW,EXHAUST	1		
9	65.09901-0022		가	GASKET,TURBOCHARGER	2		

Fig. P701 STARTER

: EYZEG

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Fig . P701 STARTER

: EYZEG

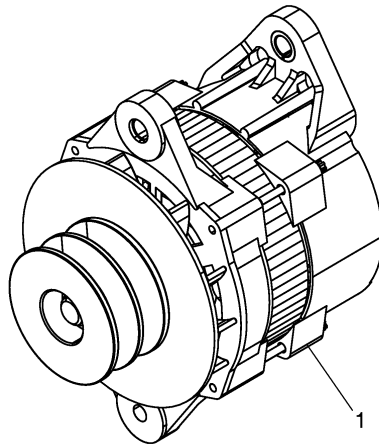
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	300516-00083A			STARTER ASSY	1		
2	06.06175-8309		M 12x35	BOLT,STUD	3		
3	65.90535-0005		M 12	NUT,FLANGE	3		
4	06.11063-8215		M 10	NUT,HEX	1		
5	06.11063-8216		M 12	NUT,HEX	1		
6	06.16731-2108		A10	WASHER,SPRING	1		
7	06.16731-2109		A12	WASHER,SPRING	1		

Fig . P703 ALTERNATOR

: EYZEG

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Fig . P703 ALTERNATOR

: EYZEG

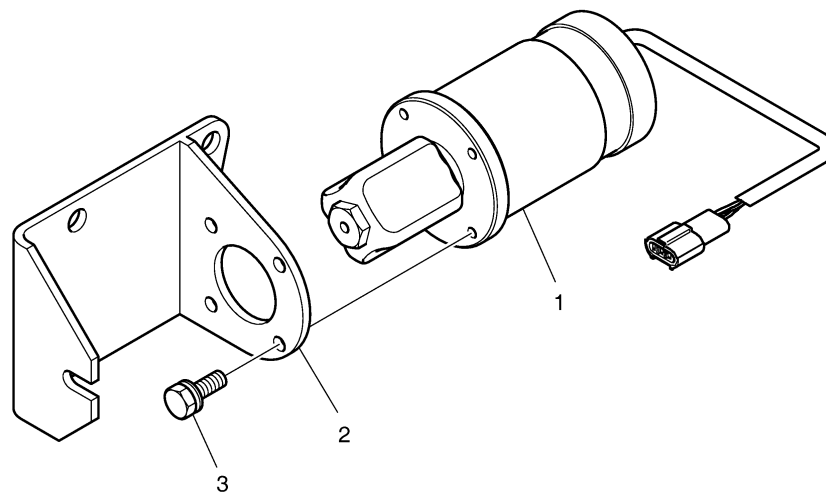
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	300901-00167B		;FOR MAR NE	ALTERNATOR	1		

Fig. P707 MAGNET VALVE

: EYZEG

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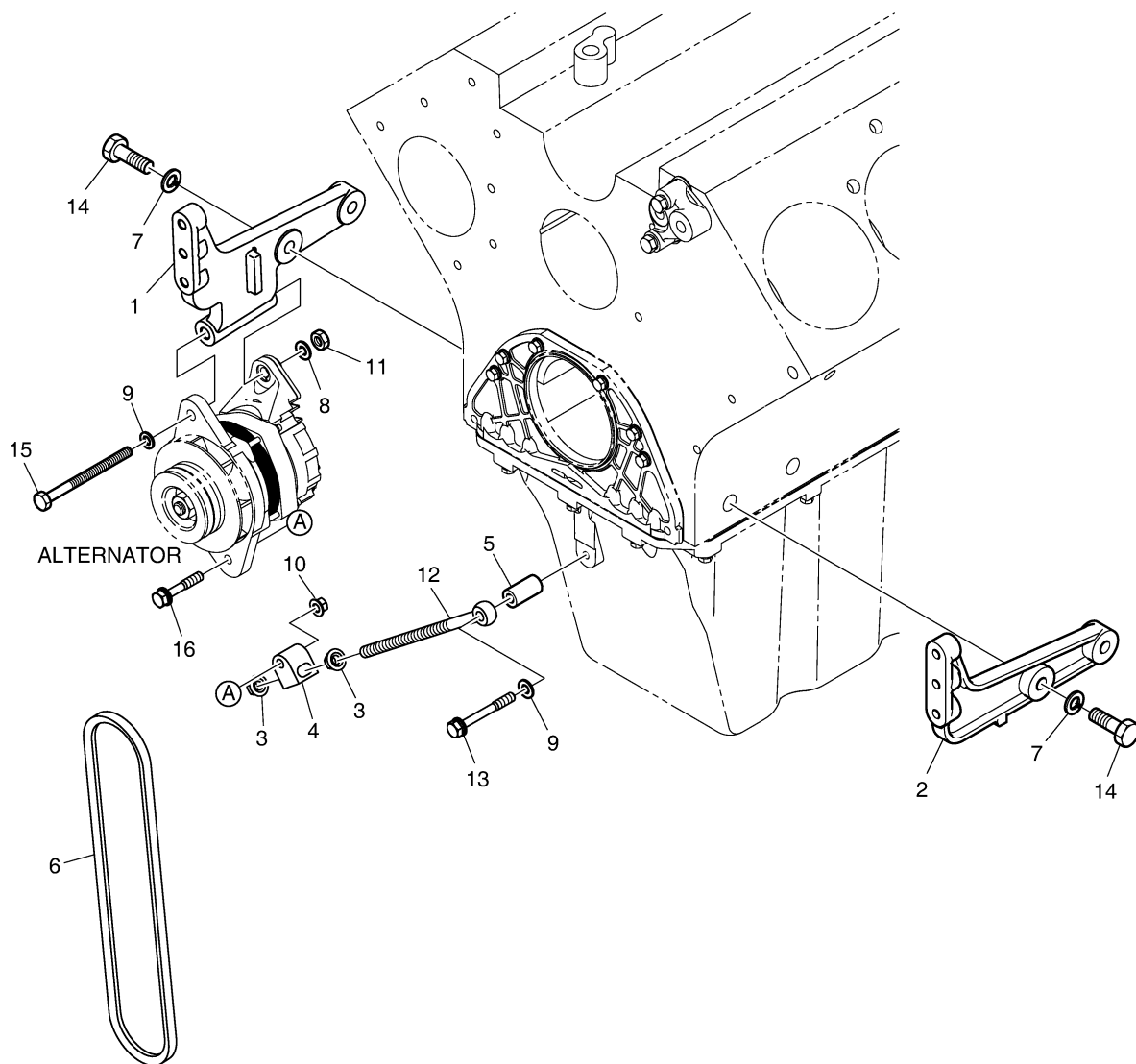
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Fig . P801 ALTERNATOR MOUNTING

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Fig. P801 ALTERNATOR MOUNTING

: EYZEG

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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	110411-00341		;STARTER	BRACKET	1		
2	65.26240-0002			BRACKET	1		
3	120305-00033			NUT,HEX FLANGE	2		
4	101558-00034	가		PIECE,GUIDE	1		
5	65.91701-0535			SPACER	1		
6	65.96801-0103	V-		BELT,V	1		
7	06.16731-2110		A14	WASHER,SPRING	4		
8	06.15010-2313		12	WASHER,PLAIN	1		
9	06.16731-2109		A12	WASHER,SPRING	1		
10	120305-00003			NUT,FLANGE	1		
11	06.11063-9216		M 12	NUT,HEX	1		
12	65.90441-0061			BOLT,SPACER	1		
13	06.01923-3228		M 10x85	BOLT ASSY	1		
14	06.01284-7420		M 14x45	BOLT,HEX	4		
15	65.90001-0002A		M 12x150	BOLT,HEX	1		
16	06.01923-3223		M 10x60	BOLT ASSY	1		

Fig . P803 DLE PULLEY

: EYZEG

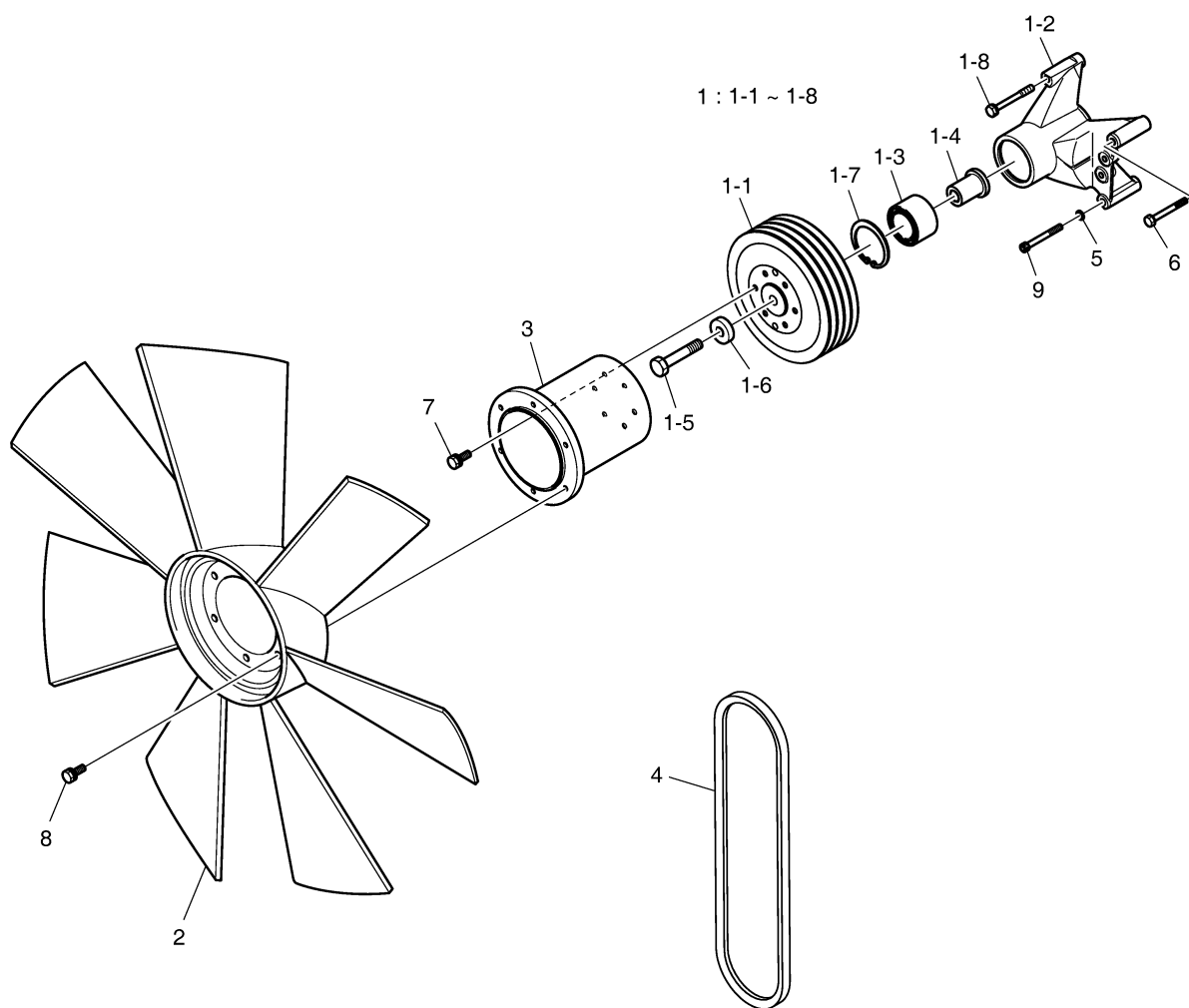
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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	130710-00113			PULLEY ASSY,IDLE	1		
1-1	06.01283-7231		M 10x100	BOLT,HEX	1		
1-2	06.06225-0809		M 10x35	BOLT,STUD	2		
1-3	06.11063-8215		M 10	NUT,HEX	2		
1-4	06.11250-2106		M 10	NUT,HEX	1		
1-5	06.16731-2108		A10	WASHER,SPRING	2		
1-6	06.29020-0132			RING,SNAP	1		
1-7	110417-00052			BRACKET,IDLE PULLEY	1		
1-8	65.93410-0087			BEARING	1		
1-9	130710-00114			PULLEY,IDLE	1		
1-10	65.95840-0076			BRACKET,IDLE PULLEY	1		
1-11	65.95840-0079			BRACKET,IDLE PULLEY	1		
2	06.16731-2111		A16	WASHER,SPRING	1		
3	06.01283-7517		M 16x30	BOLT,HEX	1		
4	06.01914-3215		M 10x25	BOLT ASSY	2		

Fig. P815 COOLING FAN

: EYZEG

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EDV15-P815-029-1

Fig . P815 COOLING FAN

: EYZEG

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Key No	Part No	ICA		Description	Q'ty	S.C	Adapted Date
1	110412-00100A		;CYL ,BODY TO BRG ,CA	BRACKET,FAN MOUNTING	1		
1-1	130709-00073A		;CYL ,BODY TO BRG ,CAP	PULLEY,FAN	1		
1-2	65.06602-0004			BRACKET,FAN MOUNTING	1		
1-3	51.93410-0073			BEARING,ANGULAR BALL	1		
1-4	65.06603-0004			SHAFT	1		
1-5	06.01494-4517		M 16x90	BOLT,HEX	1		
1-6	65.90710-0253			WASHER	1		
1-7	06.29020-0152			RING,SNAP	1		
1-8	06.01913-3229		M 10x90	BOLT ASSY	2		
2	65.06601-5048			FAN,COOLING	1		
3	65.06611-0138			FLANGE,FAN	1		
4	65.96801-0061	V-		BELT,V	2		
5	06.16110-0107		A10	WASHER,SPRING	1		
6	06.01913-3229		M 10x90	BOLT ASSY	1		
7	06.01913-3116		M 8x28	BOLT ASSY	6		
8	06.01923-3113		M 8x20	BOLT ASSY	6		
9	06.02091-0527		M 10x90	BOLT,SOCKET HEAD	1		

Fig. P917 MARINE ACCESSORIES - ELECTRICAL

: EYZEG

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Fig. P917 - 2

Fig . P931 SPARE PART - HEAD&COOL NG

: EYZEG

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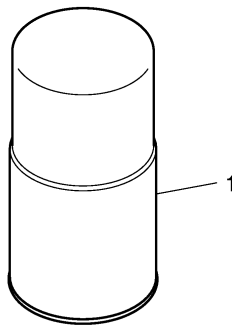


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Fig. P933 SPARE PART - BLOCK&LUBRICATION

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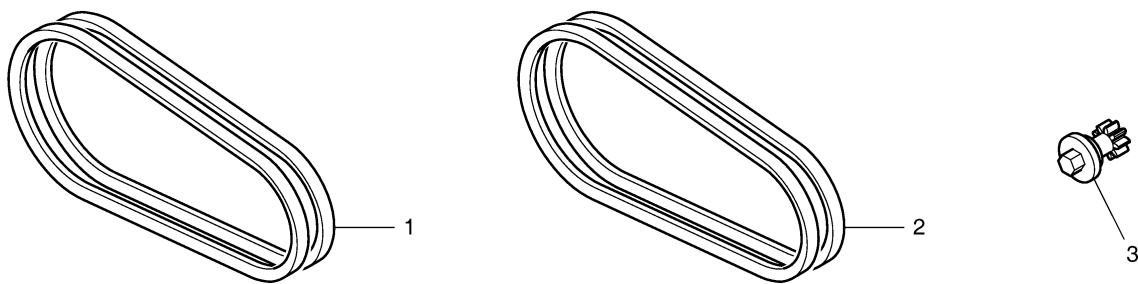
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Fig . P934 SPARE PART - MOV NG

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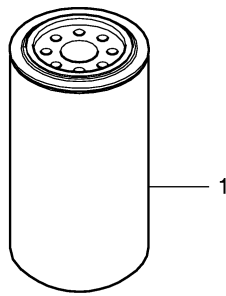


EDV15-P934-029-1

Fig . P935 SPARE PART- F E&AFTER TREATMENT

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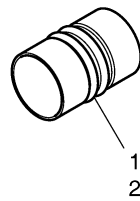
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Fig. P935 - 2

Fig . P936 SPARE PART- NTAKE /EXHAUST

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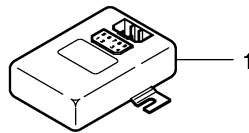


EDV15-P936-029-1

Fig. P937 SPARE PART - ELECTRIC

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EDV15-P937-029-1

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Population (millions)	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7
GDP (trillion USD)	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5
Life expectancy (years)	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
Urban population (%)	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95
Renewable energy (%)	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
CO2 emissions (Gt)	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0