



ENGINE ACX3262330 74 LFEN

EMISSION STANDARD
TIER 2

MBOM VALID FROM 5.1.2021

ENGINE, FUEL AND EXHAUST SYSTEM

01-000-TOC

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1

UP TO ENGINE SERIAL NUMBER

5

X

Item	Regional Number	Qty	Description	Comments	Tec. Spec	Filters
1	V837084394	1	OIL PUMP			
2	V837074624	1	OIL SUMP GASKET			
3	V581706790	2	HEX SOCKET SCREW			
4	V581706750	4	HEX SOCKET SCREW			
5	V581704834	2	HEX SOCKET SCREW			
6	V836864772	1	SEALING WASHER			
7	V836855493	1	PLUG			
8	V581705180	6	HEX SOCKET SCREW			
9	V529701880	16	HEX CAP SCREW			
10	V581705210	2	HEX SOCKET SCREW			
11	ACW1799230	1	OIL PUMP	SEE PAGE 01-0018		
12	V581805052	2	HEX SOCKET SCREW			
13	V836007871	X	SHIM			
14	V836008449	2	GASKET			
15	V836855509	1	OIL PIPE			
16	V500150842	2	WASHER			
17	V581804602	6	HEX SOCKET SCREW			
18	V614702230	1	O-RING			
19	V836865563	1	CONNECTOR			
20	V581804682	2	HEX SOCKET SCREW			
21	V836338201	1	GASKET			
22	V836873818	1	OIL PUMP SUCTION PIPE			
23	V837084584	1	DIPSTICK			
24	V614900615	2	O-RING			

4

SEE PAGE 01-0018

2

INCLUDES ITEM

3

[A] [B] [C]

ENGINE ACW1234567 XX XXXX
OIL PUMP AND SUMP
UP TO ENGINE SERIAL NUMBER KLD011001

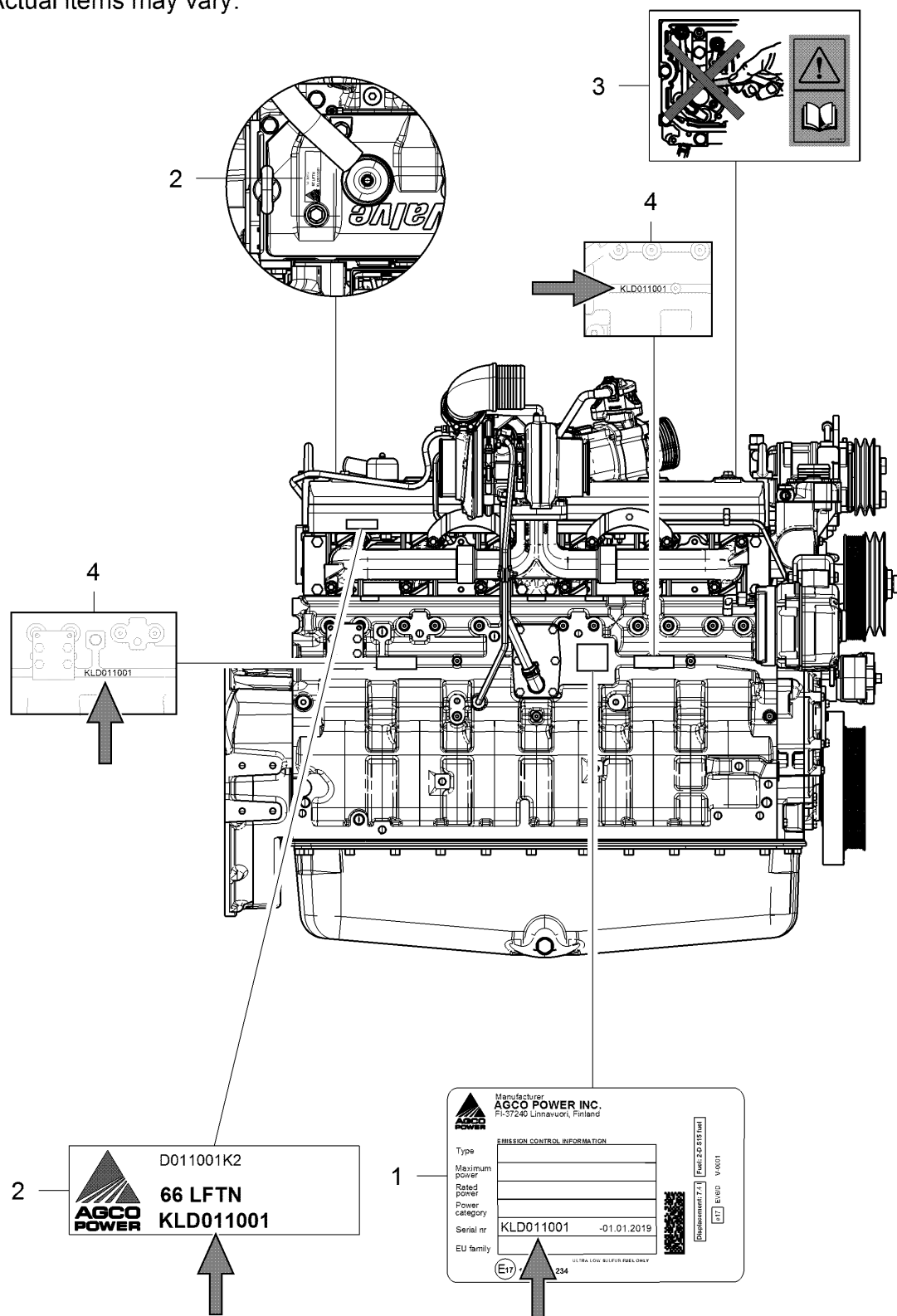
861012345
01-0017
21234567

[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1
[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2
[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT

INSTRUCTIONS - PARTS LISTS AND ILLUSTRATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1			ENGINE SERIAL NUMBER EFFECTIVITY	
2			ITEMS INCLUDED IN ASSEMBLIES OR INSTALLATION KITS	
3			ITEMS INCLUDED IN ENGINE GASKET KITS	
4			PAGE REFERENCE	
5			ITEM USED AS REQUIRED, REFER TO WORKSHOP MANUAL	
6			ITEM WITHOUT AN ITEM NUMBER IS NOT AVAILABLE AS SINGLE PART	

Image is a representation of these items.
Actual items may vary.



ENGINE IDENTIFICATION

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837079921	1	LABEL ENGINE TYPE PLATE	
2	V837091534	2	LABEL ADDITIONAL INFORMATION LABEL	
3	ACX2325460	1	WARNING LABEL HYDRAULIC LASH ADJUSTMENT REFER TO WORKSHOP MANUAL	
4			STAMPED ENGINE SERIAL NUMBER TWO LOCATION OPTIONS	

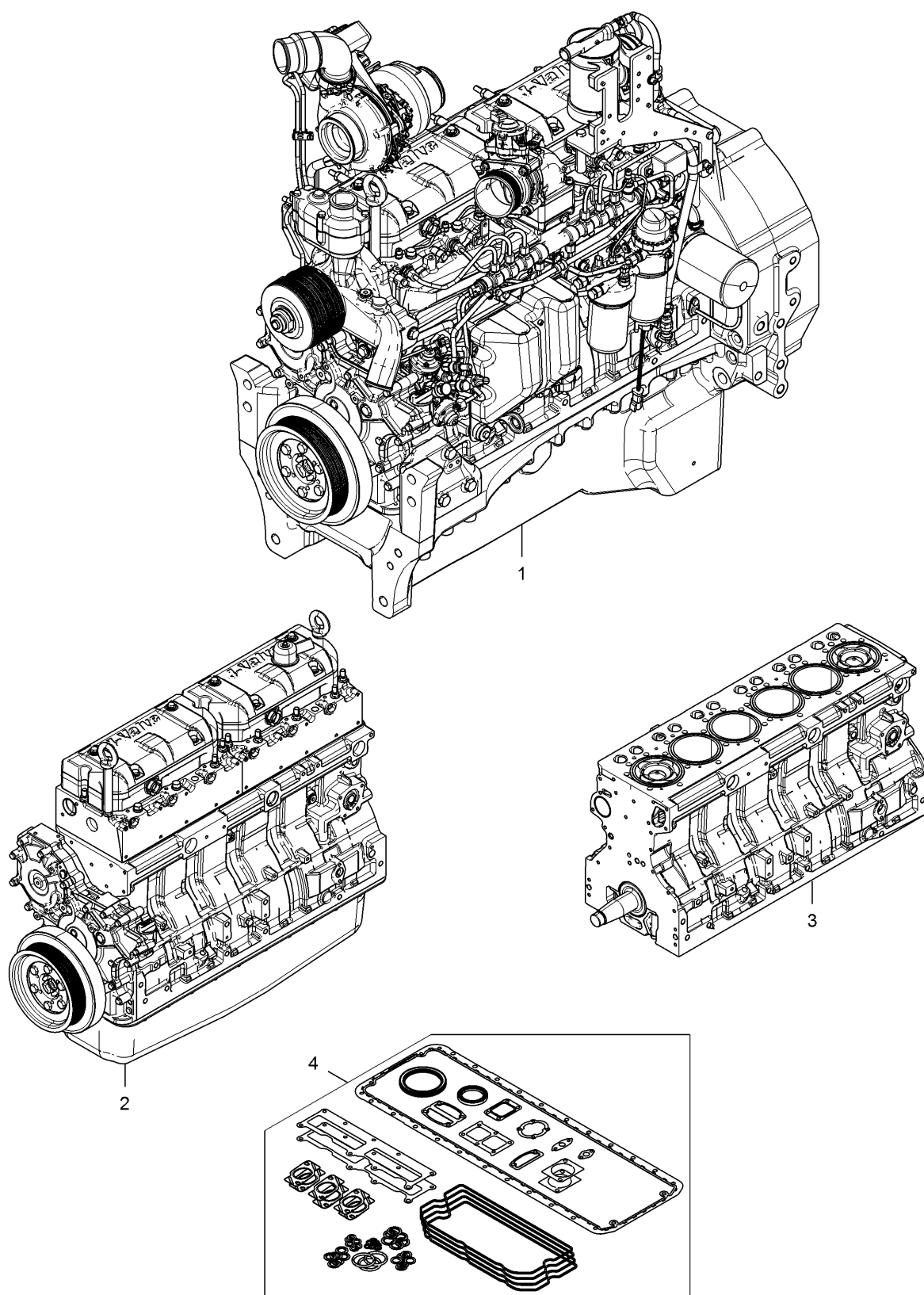
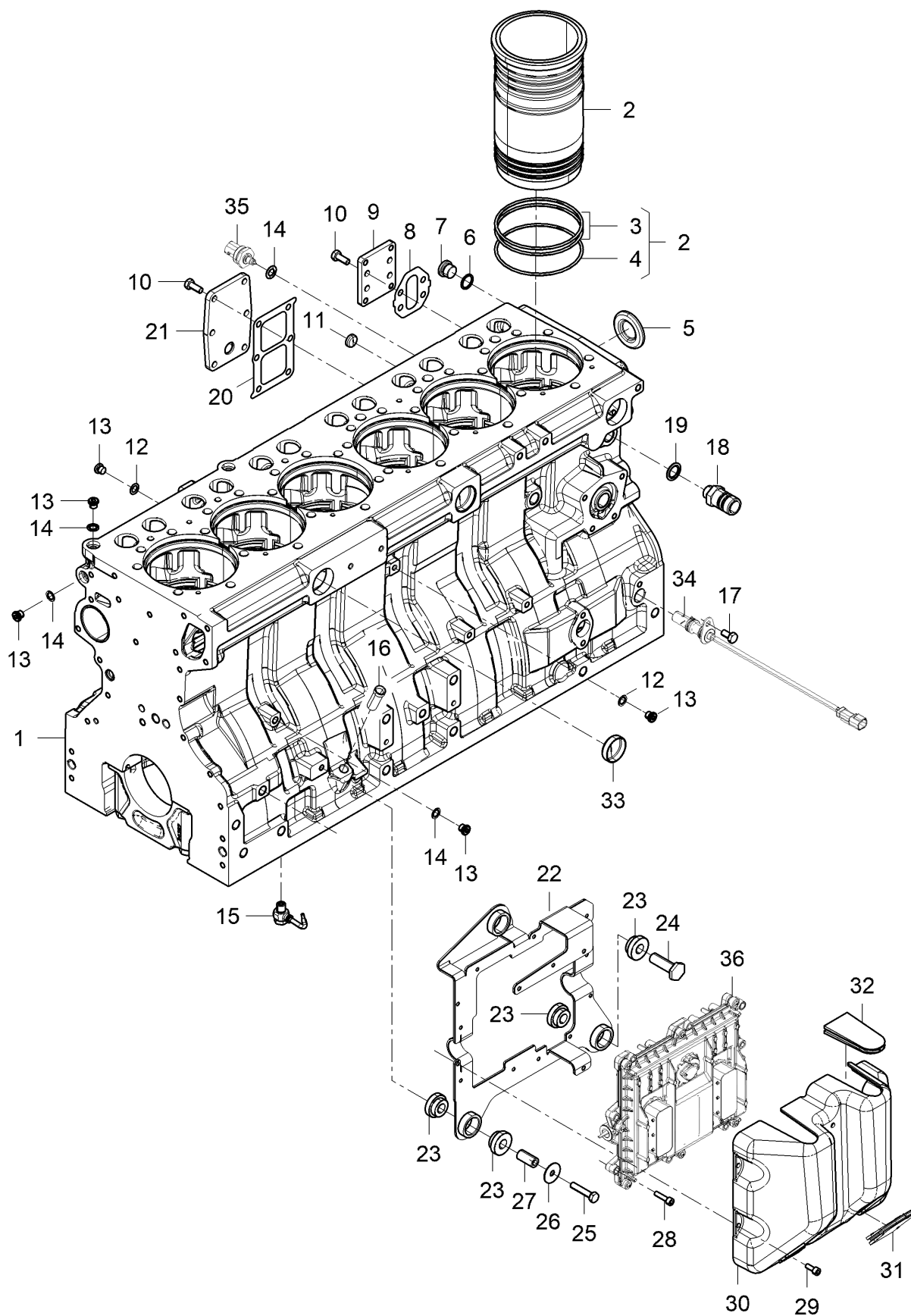


Image is a representation of these items.
Actual items may vary.

ENGINE ASSEMBLIES

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACX3262330	1	ENGINE	74 LFEN
2	V865099161V	1	LONG BLOCK ENGINE INCLUDES ITEM 4	74 LFTN
3	V865099118X	1	SHORT BLOCK ENGINE	74 LFTN
4	ACP0406680	1	ENGINE GASKET KIT LONG BLOCK GASKET KIT	4



APG1E3731

CYLINDER BLOCK - HYDRAULIC LASH ADJUSTMENT

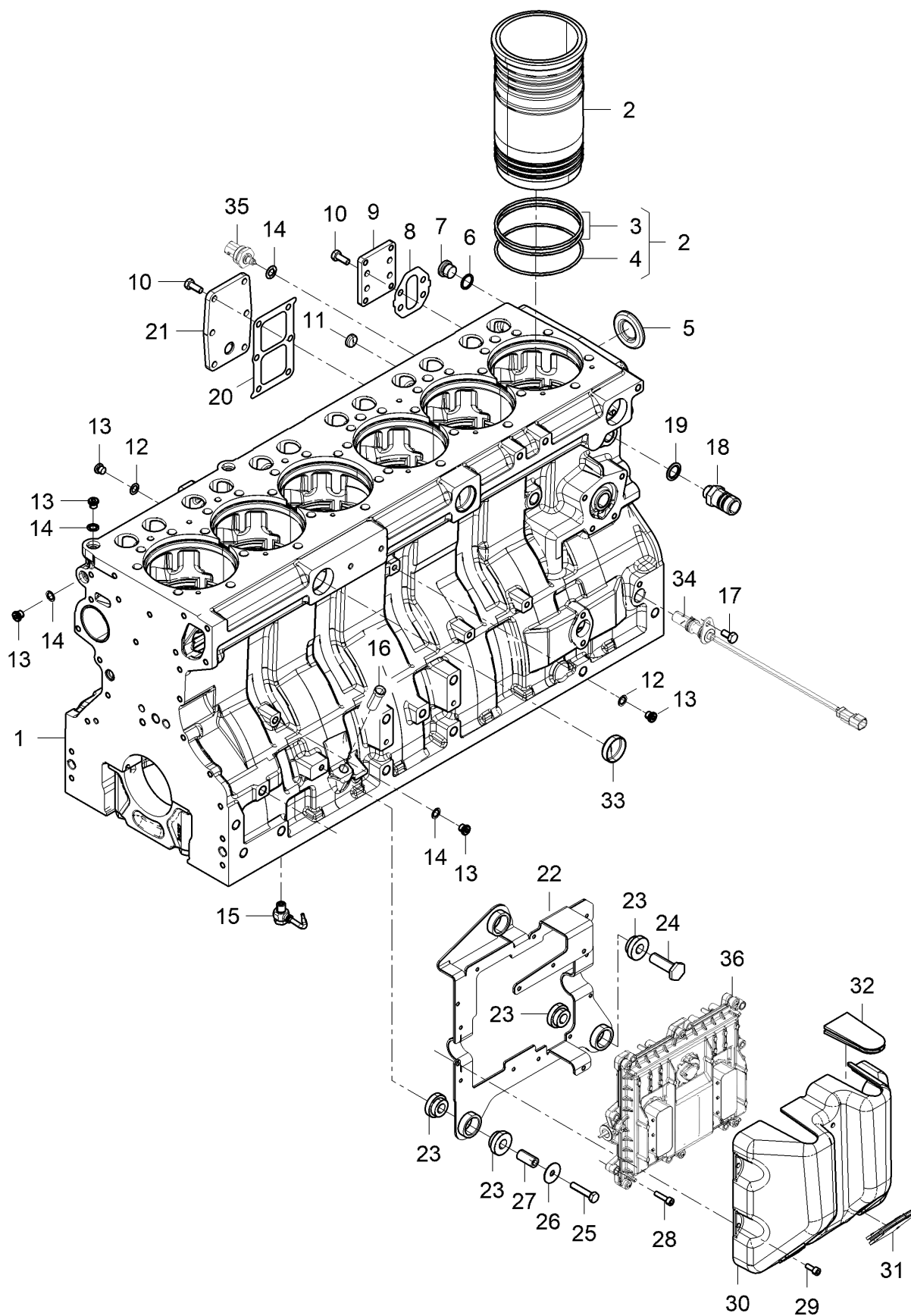
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086425	1	CYLINDER BLOCK SEE PAGE 01-0005	
2	V836673191	6	LINER INCLUDES ITEMS 3-4	D108 MM STD
3	V836647502	12	CYLINDER LINER O-RING [B]	
4	V836647503	6	CYLINDER LINER O-RING [B]	
5	V836852744	1	PLUG	
6	V615881822	1	SEALING WASHER [A] [B] [C]	
7	V640325018	1	SCREW PLUG	
8	V836866958	1	GASKET [B]	
9	ACW3521050	1	COVER	
10	V528801382	10	HEX CAP SCREW	
11	V640016018	3	CUP PLUG	
12	V615871016	5	SEALING WASHER [A] [B] [C]	
13	V640325110	22	SCREW PLUG	
14	V836684768	17	SEALING WASHER [A] [B] [C]	
15	V837074224	6	PISTON COOLING JET	
16	V837070393	1	SLEEVE	
17	V528801362	1	HEX CAP SCREW	
18	ACW1828340	1	UNION	
19	V836684772	1	SEALING WASHER [A] [B] [C]	
20	ACW5174780	1	GASKET [B]	
21	V836847994	1	FLANGE	
22	V837084081	1	ECU BRACKET	
23	V837084129	6	DAMPER	
24	V837069056	1	HEX CAP SCREW	
25	V529801432	2	HEX CAP SCREW	
26	V501950842	2	WASHER	
27	V836855626	2	SPACER	
28	V581804222	8	HEX SOCKET SCREW	
29	V581804182	6	HEX SOCKET SCREW	
30	V837084080	1	COVER	
31	V837084661	1	SHIELD	
32	V837084136	2	SHIELD	
33	V640016040	2	CUP PLUG	
34		1	SEE PAGE 01-0027	
35		1	SEE PAGE 01-0027	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	
			[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	

01-0004

ENGINE, FUEL AND EXHAUST SYSTEM

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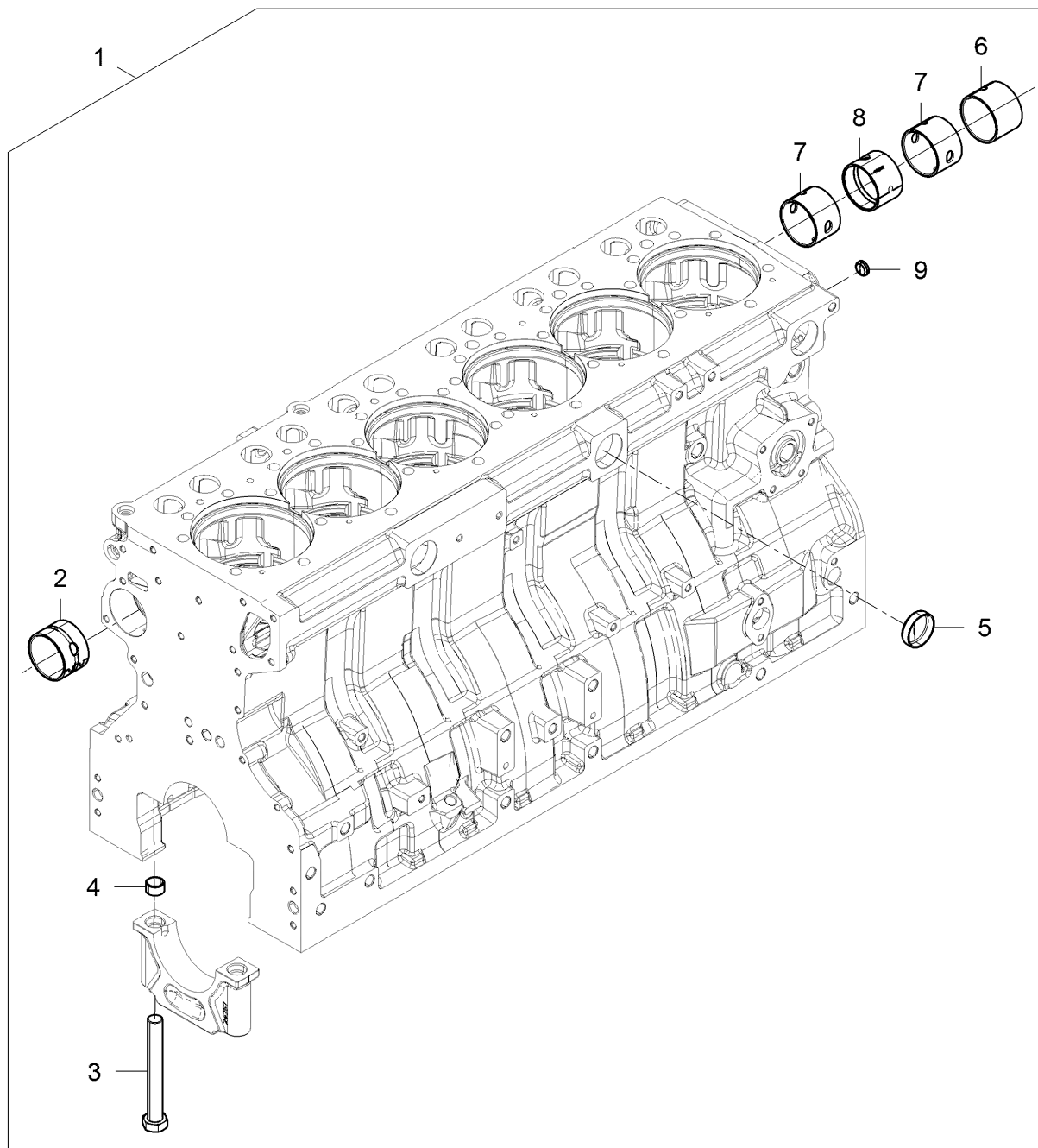
ENGINE ACX3262330 74 LFEN



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CYLINDER BLOCK - HYDRAULIC LASH ADJUSTMENT

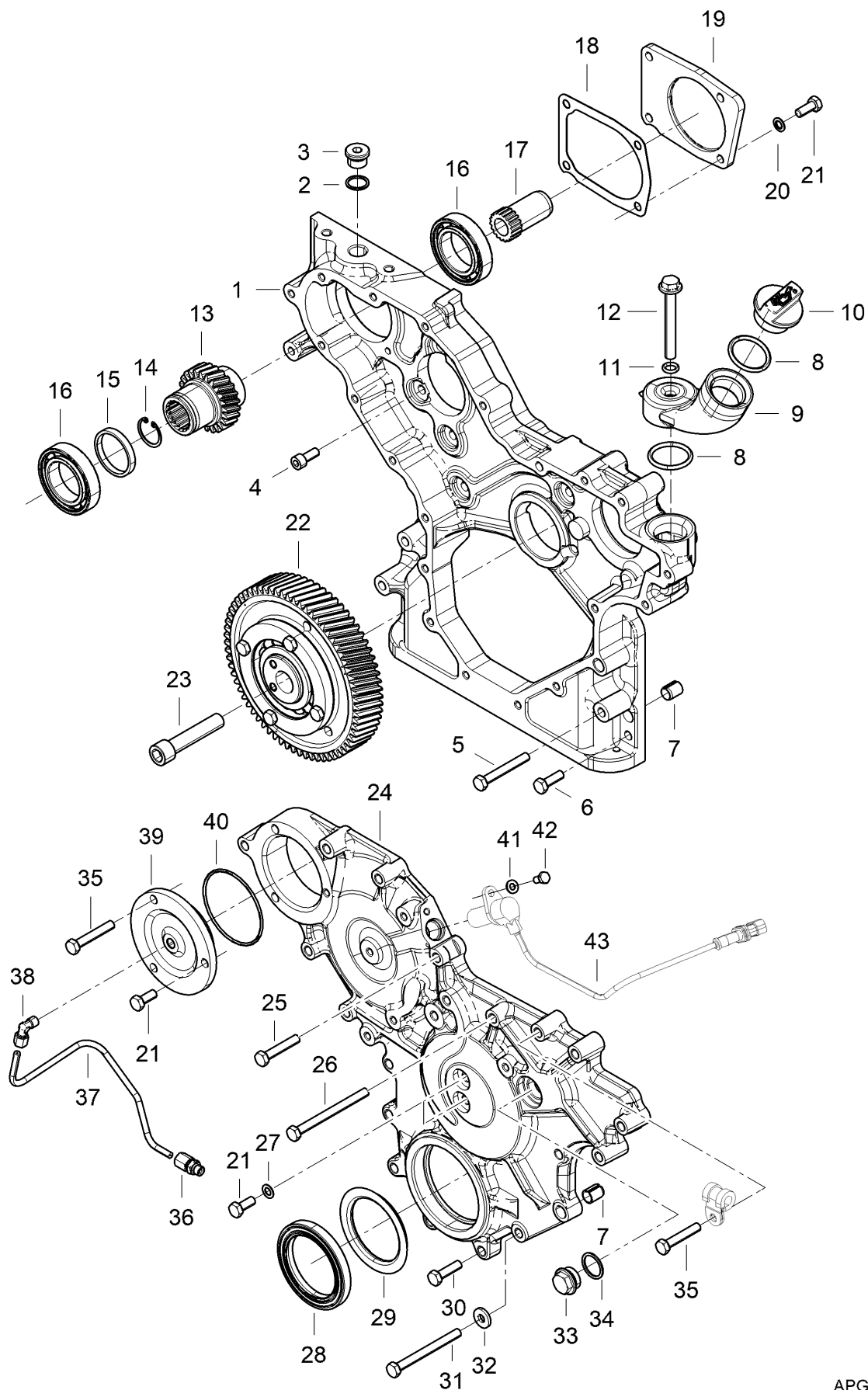
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
36		1	SEE PAGE 01-0027 [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG1E2749

CYLINDER BLOCK - SERVICE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086425	1	CYLINDER BLOCK INCLUDES ITEMS 2-9	
2	V836866069	1	CAMSHAFT BEARING BUSH	
3	V835329030	14	HEX CAP SCREW	
4	V836214478	14	GUIDE SLEEVE	
5	V640016040	1	CUP PLUG	
6	V836852461	1	CAMSHAFT BEARING BUSH	
7	V836852460	2	CAMSHAFT BEARING BUSH	
8	V837086315	1	CAMSHAFT BEARING BUSH	
9	V640016016	4	CUP PLUG	



APG2E3732

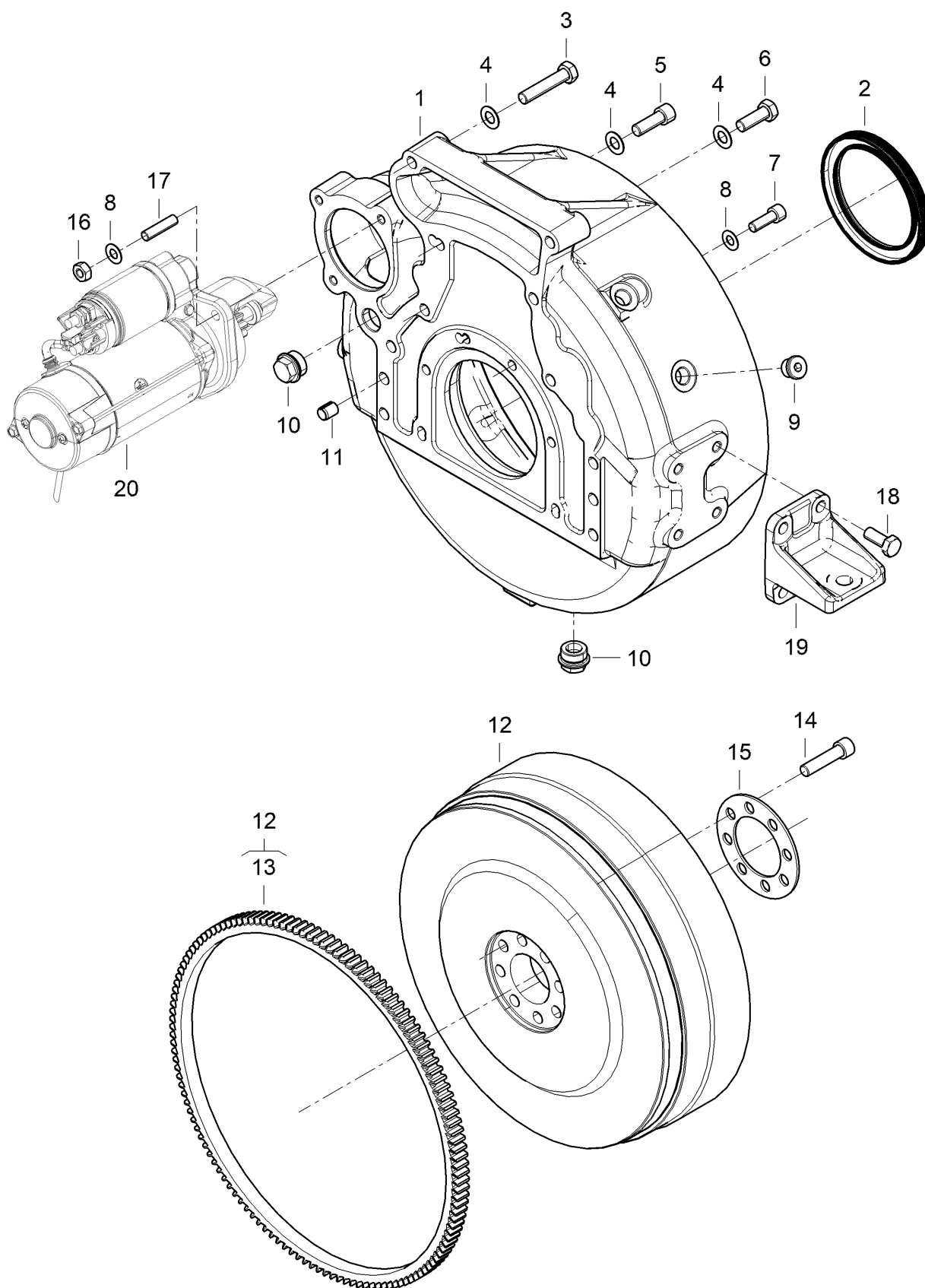
TIMING GEARS AND HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074709	1	TIMING GEAR CASE	
2	V615881822	1	SEALING WASHER [A] [B] [C]	
3	V640325018	1	SCREW PLUG	
4	V581704600	10	HEX SOCKET SCREW	
5	V529801472	3	HEX CAP SCREW	
6	V528801402	2	HEX CAP SCREW	
7	V598359850	3	PIN	
8	V614603540	2	O-RING [A] [B] [C]	
9	V837084014	1	ENGINE OIL FILL PIPE	
10	V837081106	1	OIL FILLER CAP	
11	V614901030	1	O-RING [A] [B] [C]	
12	V540801912	1	HEXAGON FLANGE BOLT	
13	V837070027	1	SHAFT	
14	V617330031	1	LOCK RING	
15	V837070159	1	RING	
16	V610060096	2	BALL BEARING	
17	V835316474	1	COUPLING SLEEVE	
18	V836022077	1	GASKET [B]	
19	V837074618	1	COVER	
20	V836684767	1	SEALING WASHER [A] [B] [C]	
21	V528801382	7	HEX CAP SCREW	
22	V837073583	1	IDLER GEAR	
23	V581705910	1	HEX SOCKET SCREW	
24	V837074710	1	GEAR HOUSING FRONT COVER	
25	V529801442	7	HEX CAP SCREW	
26	V529801542	1	HEX CAP SCREW	
27	V615870814	2	SEALING WASHER [A] [B] [C]	
28	V836840883	1	CRANKSHAFT SEAL [B]	
29	V836855636	1	SHIELD	
30	V528801412	7	HEX CAP SCREW	
31	V529801522	1	HEX CAP SCREW	
32	V836120989	1	WASHER	
33	V640045022	1	SCREW PLUG	
34	V615882227	1	SEALING WASHER [A] [B] [C]	
35	V529801452	3	HEX CAP SCREW	
36	V641086006	1	STRAIGHT FITTING	
37	V837084346	1	OIL PIPE	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	
			[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



TIMING GEARS AND HOUSING

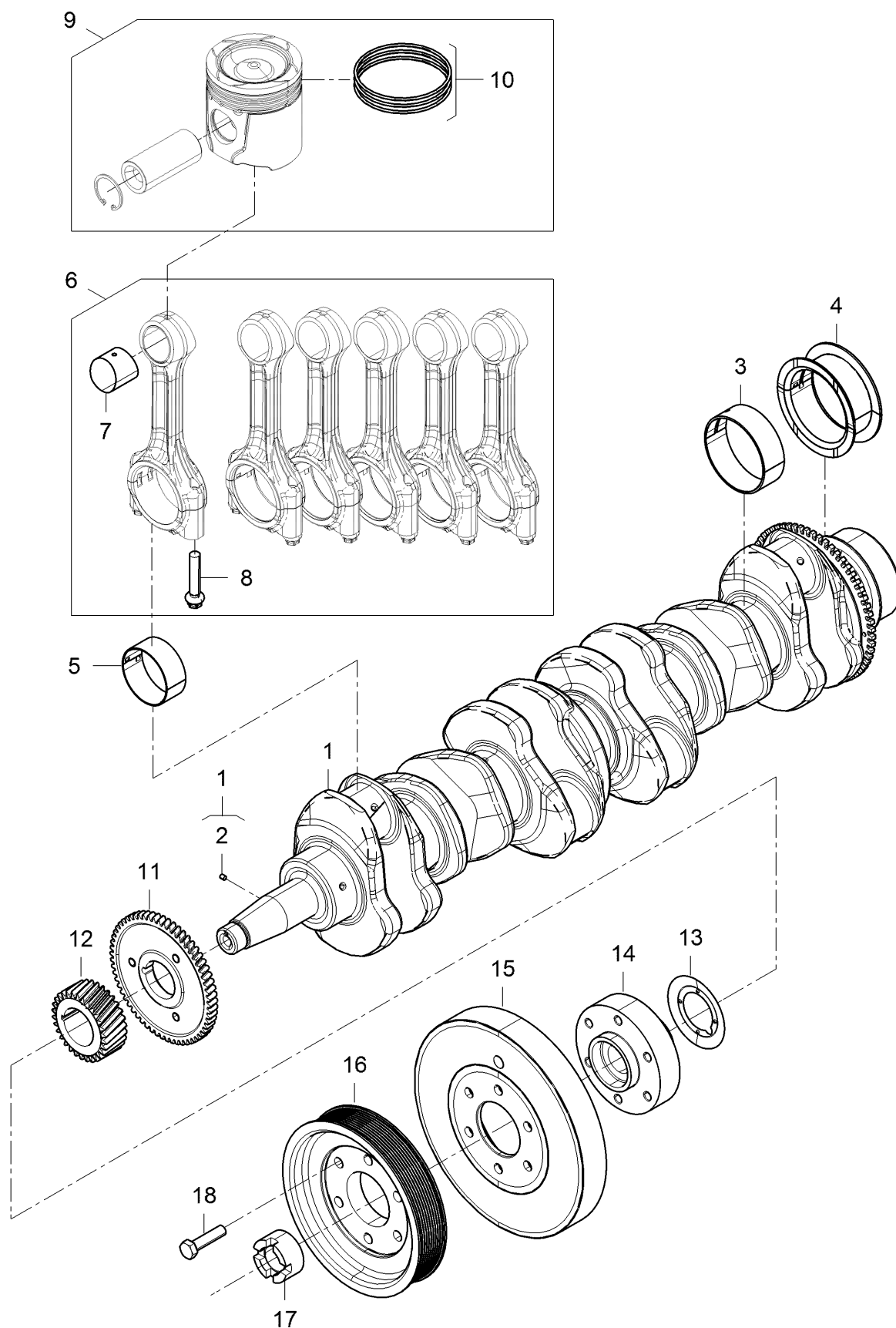
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
38	V641166006	1	ELBOW FITTING	
39	V837070160	1	COVER	
40	V614606825	1	O-RING [A] [B] [C]	
41	V500150642	1	WASHER	
42	V528801052	1	HEX CAP SCREW	
43		1	SEE PAGE 01-0027	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	
			[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG3E3734

FLYWHEEL AND HOUSING

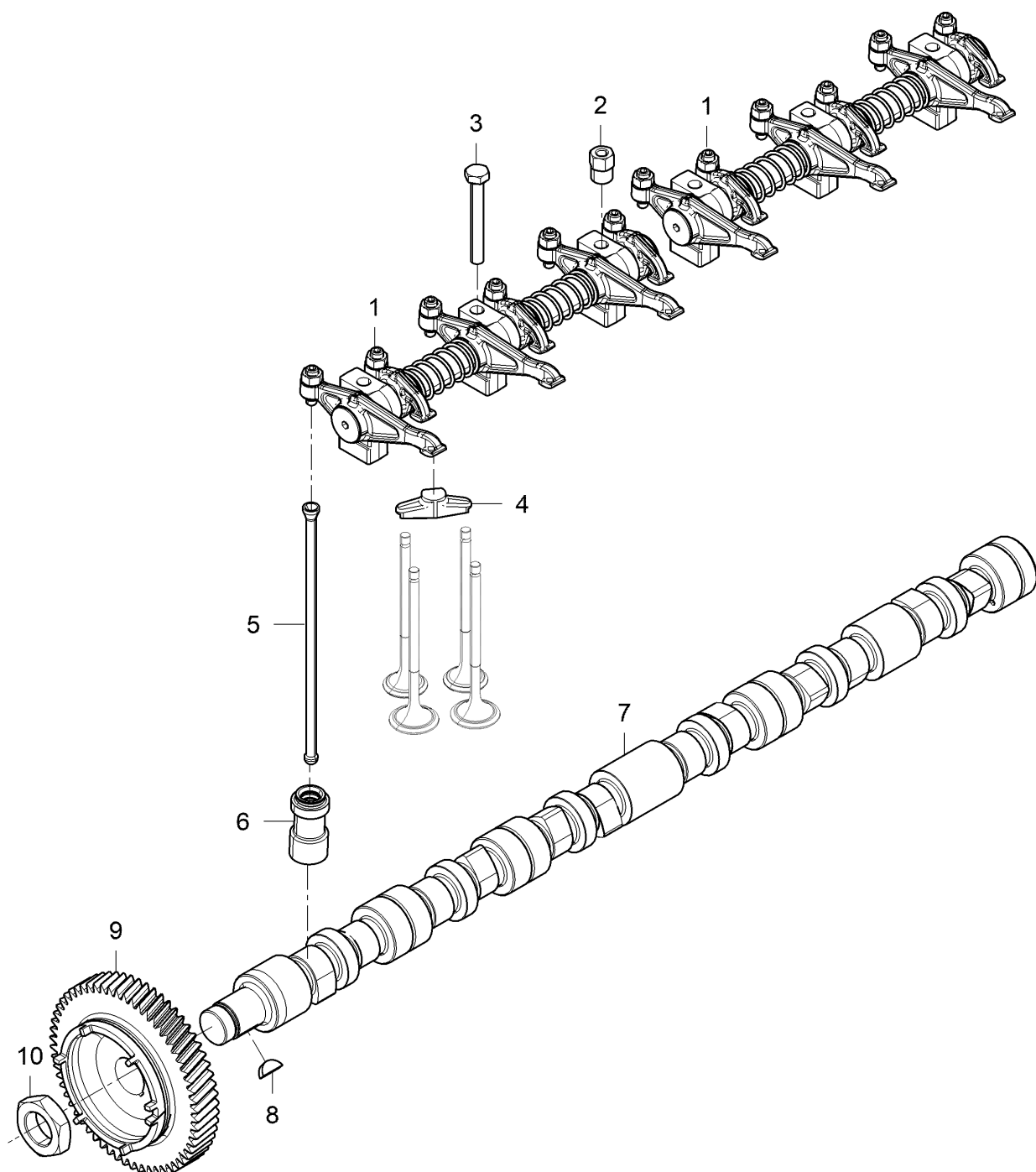
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836647441	1	FLYWHEEL HOUSING	
2	V837091172	1	CRANKSHAFT SEAL [B]	
3	V529702270	2	HEX CAP SCREW	
4	V500951202	10	SPRING WASHER	
5	V581705440	2	HEX SOCKET SCREW	
6	V528702220	6	HEX CAP SCREW	
7	V581705030	6	HEX SOCKET SCREW	
8	V500951002	6	SPRING WASHER	
9	V640325018	3	SCREW PLUG	
10	V640045126	2	SCREW PLUG	
11	V598359850	2	PIN	
12	V836867605	1	FLYWHEEL INCLUDES ITEM 13	
13	V835328783	1	STARTER RING	
14	V581705470	8	HEX SOCKET SCREW	
15	V836355864	1	RING	
16	V504601002	3	NUT	
17	V546801810	3	STUD BOLT	
18	V528702210	8	HEX CAP SCREW	
19	V836114317	2	ENGINE MOUNT	
20		1	SEE PAGE 01-0030 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	



APG4E2767

CRANKSHAFT AND PISTONS

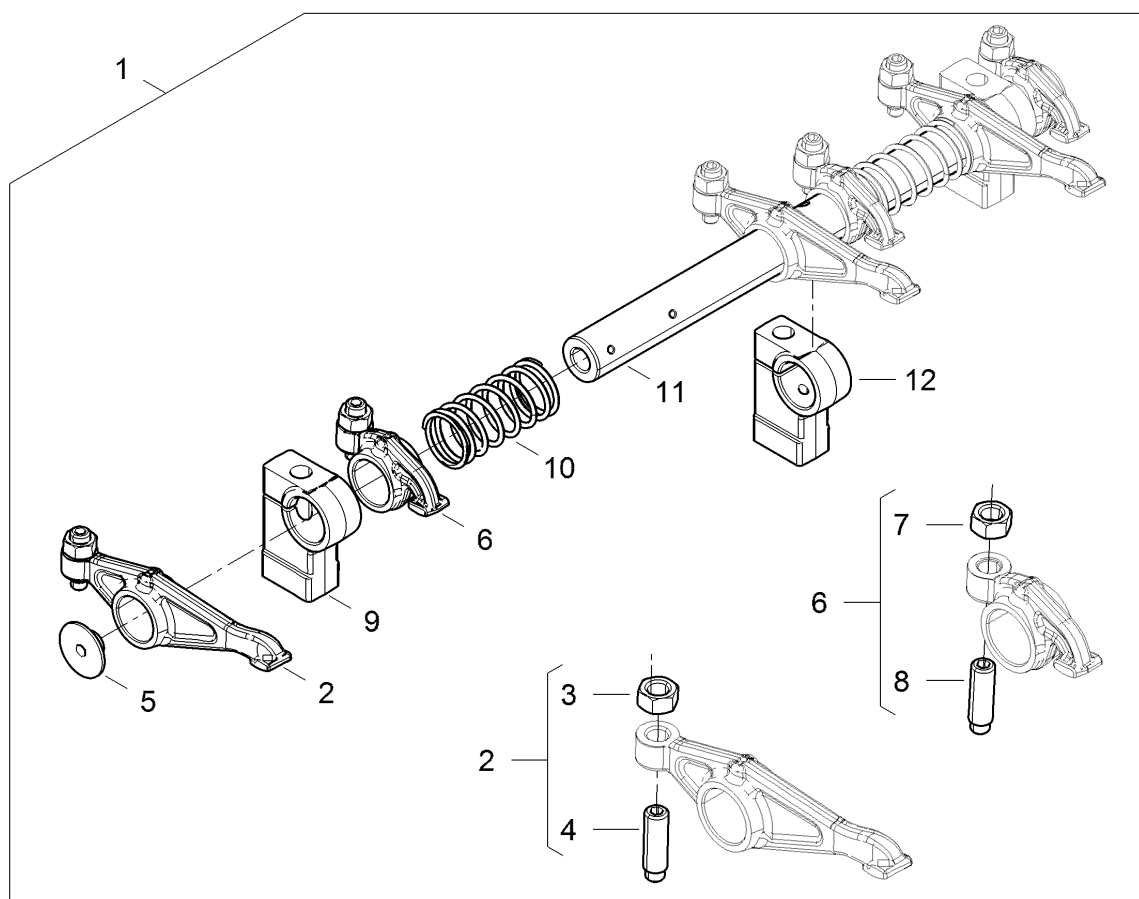
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074358	1	CRANKSHAFT INCLUDES ITEM 2	
2	V836867857	1	KEY	
3	V836840944	6	MAIN BEARING	STD
4	V836879152	1	MAIN BEARING	STD
5	V836179781	6	CONROD BEARING	STD
6	V836840928	1	CONNECTING ROD KIT INCLUDES ITEMS 7-8	
7	V836110646	6	BEARING BUSH	STD
8	V836864141	12	CONNECTING ROD BOLT	
9	V837086209	6	PISTON INCLUDES ITEM 10	
10	V837079460	6	PISTON RING KIT	
11	ACW7786870	1	GEAR,CRANKSHAFT	
12	V837073560	1	GEAR,CRANKSHAFT	
13	ACW3520650	1	RING	
14	V837073678	1	CRANKSHAFT HUB	
15	V836884615	1	CRANKSHAFT VIBRATION DAMPENER	
16	ACW2325690	1	CRANKSHAFT PULLEY	
17	V836847641	1	CRANKSHAFT NUT	
18	V529702250	6	HEX CAP SCREW	



APG5E2768

CAMSHAFT AND VALVE MECHANISM - HYDRAULIC LASH ADJUSTMENT

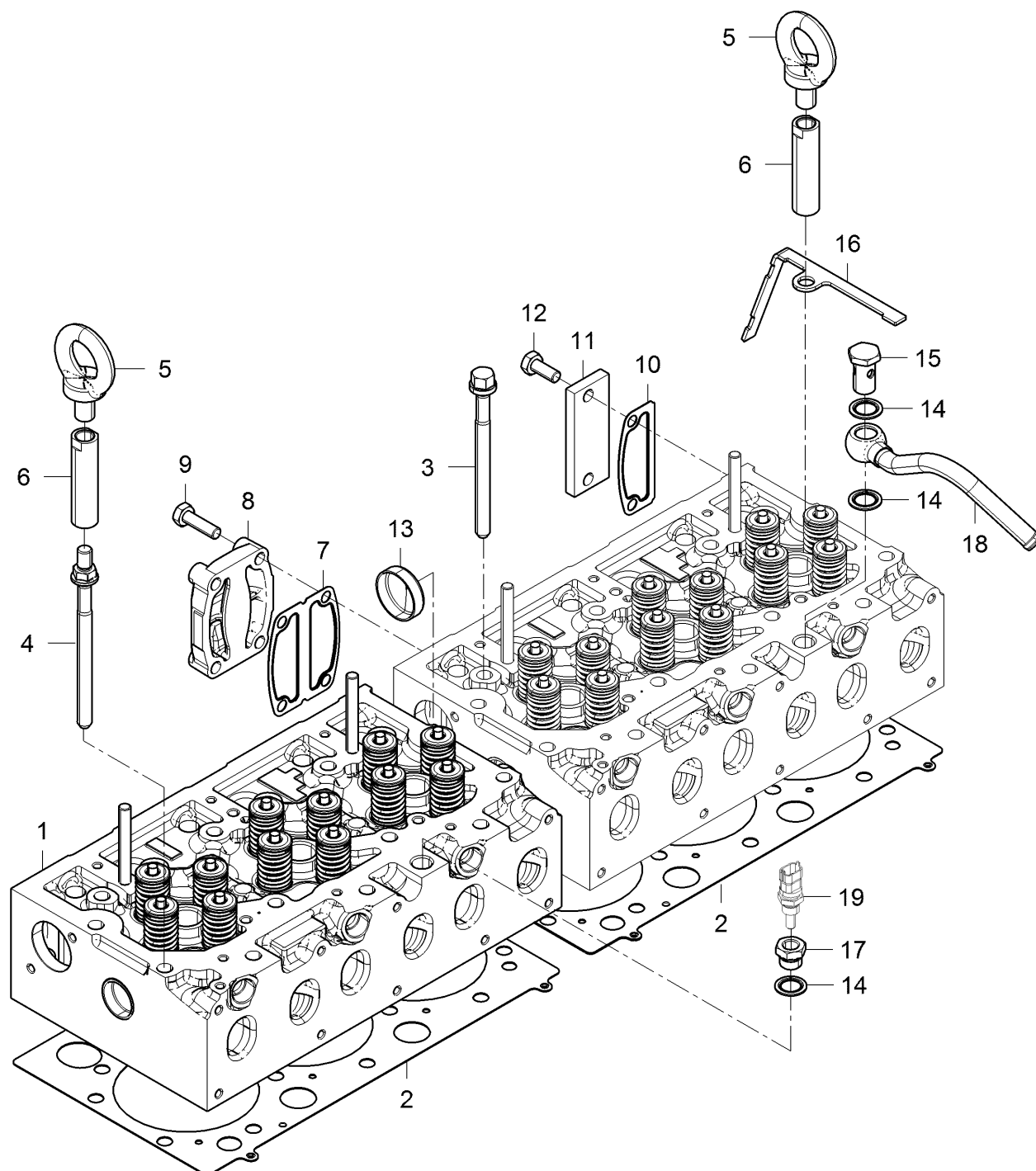
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837069016	2	ROCKER SHAFT ASM SEE PAGE 01-0010	3-CYL 4V
2	V836655406	4	SLEEVE NUT	
3	V529801912	2	HEX CAP SCREW	
4	V837073089	12	VALVE BRIDGE	
5	V837084548	12	PUSHROD	
6	V837084421	12	TAPPET	HLA
7	V837084333	1	CAMSHAFT	
8	V603305760	1	WOODRUFF KEY	
9	V837073562	1	GEAR,CAMSHAFT	
10	V837069085	1	NUT	



APG5G2508

VALVE MECHANISM - SERVICE PARTS

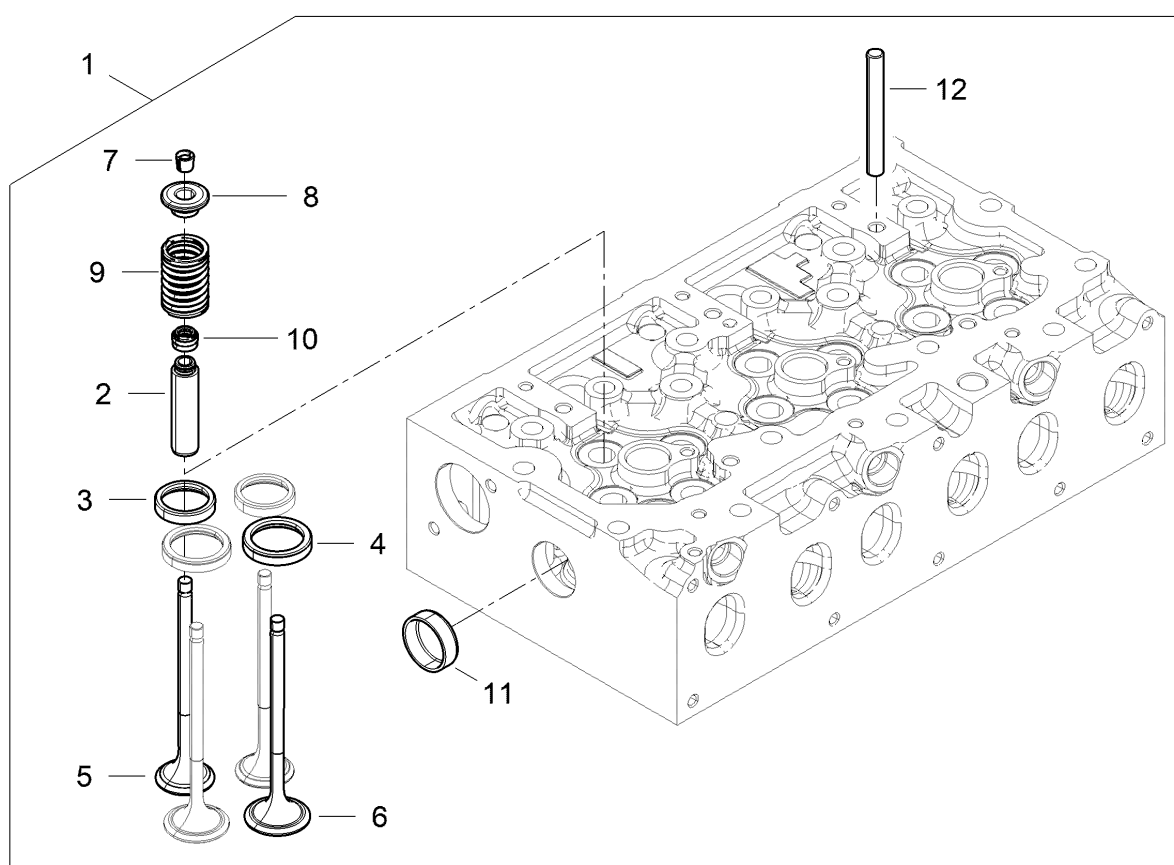
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837069016	1	ROCKER SHAFT ASM INCLUDES ITEMS 2-12	3-CYL 4V
2	V837069011	3	ROCKER ARM INCLUDES ITEMS 3-4	4V INTAKE
3	V512861000	1	NUT	
4	V837069023	1	VALVE ROCKER ADJUSTMENT SCREW	
5	V837069020	2	PLUG	
6	V837069013	3	ROCKER ARM INCLUDES ITEMS 7-8	4V EXHAUST
7	V512861000	1	NUT	
8	V837069023	1	VALVE ROCKER ADJUSTMENT SCREW	
9	V837069017	2	ROCKER SHAFT BRACKET	
10	V837069019	2	SPRING	
11	V837069015	1	SHAFT	
12	V837069018	1	ROCKER SHAFT BRACKET	



APG6D2926

CYLINDER HEAD

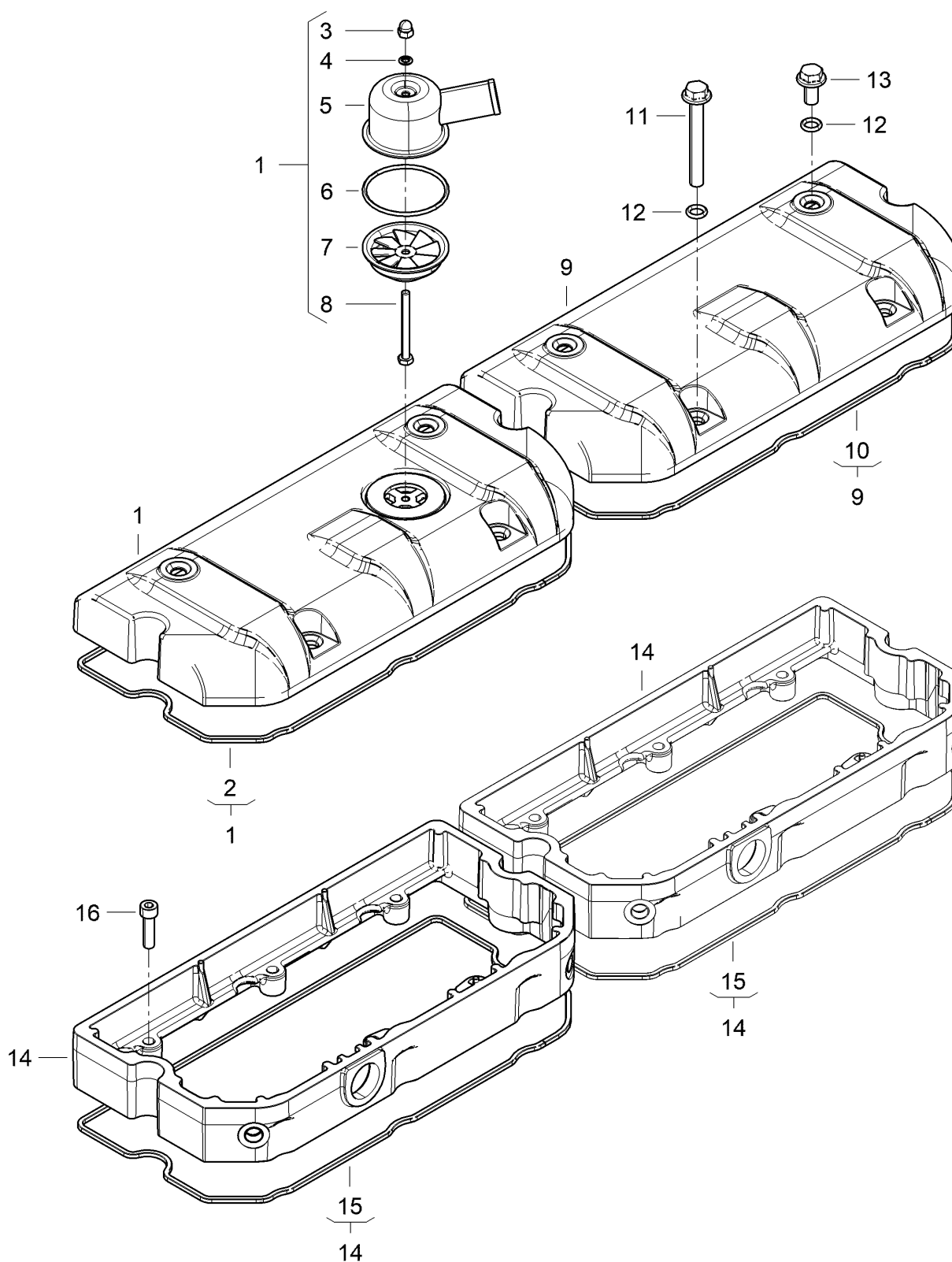
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086472	2	CYLINDER HEAD SEE PAGE 01-0012	
2	V837084523	2	CYLINDER HEAD GASKET [A] [B]	
3	V837069025	28	CYLINDER HEAD BOLT	
4	V837073571	6	CYLINDER HEAD BOLT	
5	V836640752	2	LIFT EYE	
6	V836867567	3	LIFTING EYE EXTENSION	
7	ACW1796890	1	GASKET [A] [B]	
8	ACW7172060	1	CONNECTION FLANGE	
9	V528801822	4	HEX CAP SCREW	
10	ACW1796900	2	GASKET [A] [B]	
11	V836855350	2	BLOCK OFF PLATE	
12	V528801802	4	HEX CAP SCREW	
13	V640016045	1	CUP PLUG	
14	V836684772	3	SEALING WASHER [A] [B] [C]	
15	V640435015	1	BANJO BOLT	
16	V837086340	1	WIRE HARNESS SUPPORT	
17	V837086509	1	THREADED NIPPLE	
18	V837084203	1	WATER PIPE	
19		1	SEE PAGE 01-0027 [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG6G2506

CYLINDER HEAD - SERVICE PARTS

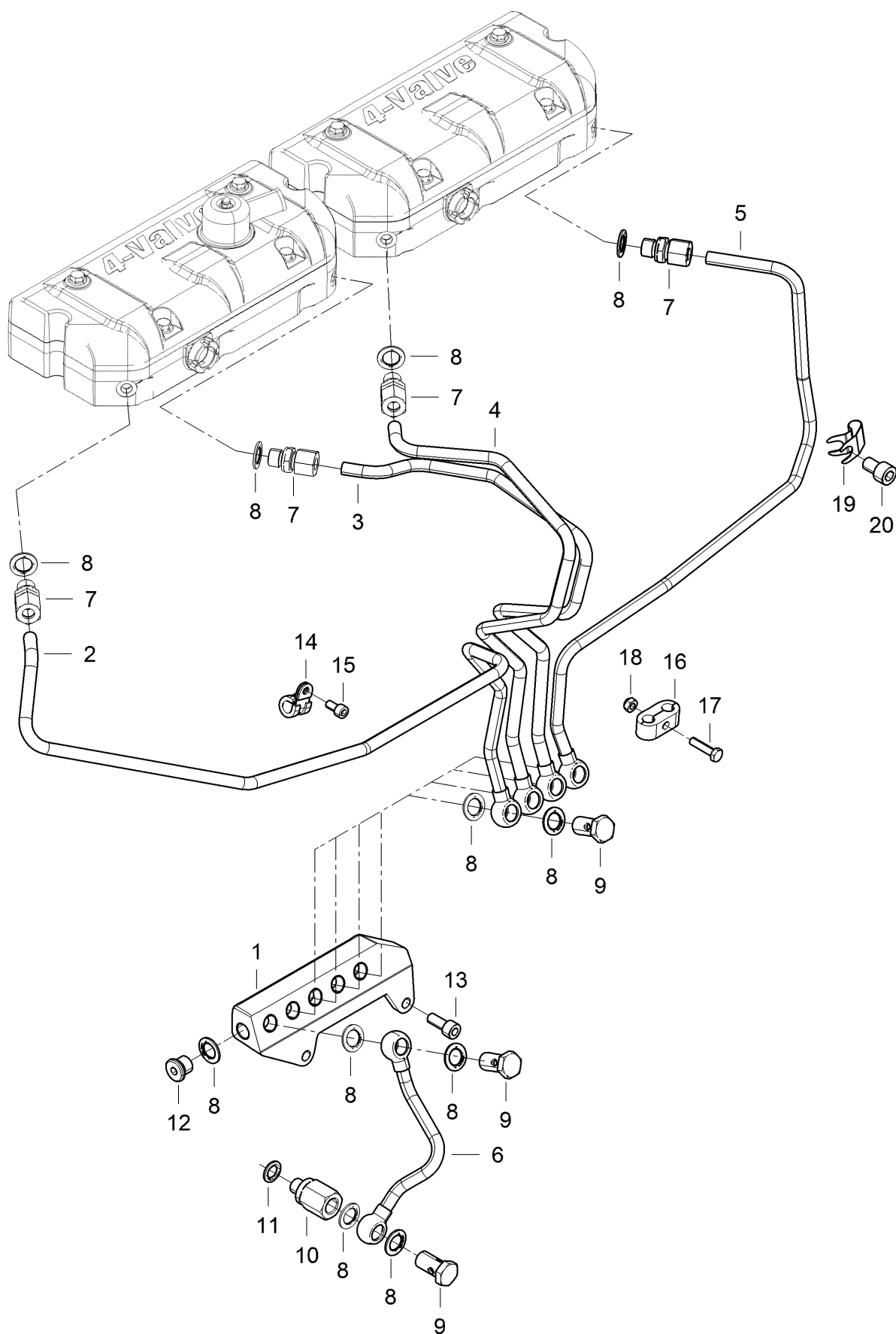
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086472	1	CYLINDER HEAD INCLUDES ITEMS 2-12	
2	V837073174	12	VALVE GUIDE	4V STD
3	V837064907	6	VALVE SEAT	4V EXHAUST STD
4	V837064908	6	VALVE SEAT	4V INTAKE STD
5	V837069002	6	EXHAUST VALVE	
6	V837069003	6	INTAKE VALVE	
7	V837064910	24	COTTER	
8	V837069004	12	SPRING PLATE	
9	V837069005	12	VALVE SPRING	
10	V837073165	12	VALVE STEM GASKET [A] [B]	
11	V836647942	4	CUP PLUG	
12	V546901900	2	STUD BOLT	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	



APG35E2916

VALVE ROCKER COVER

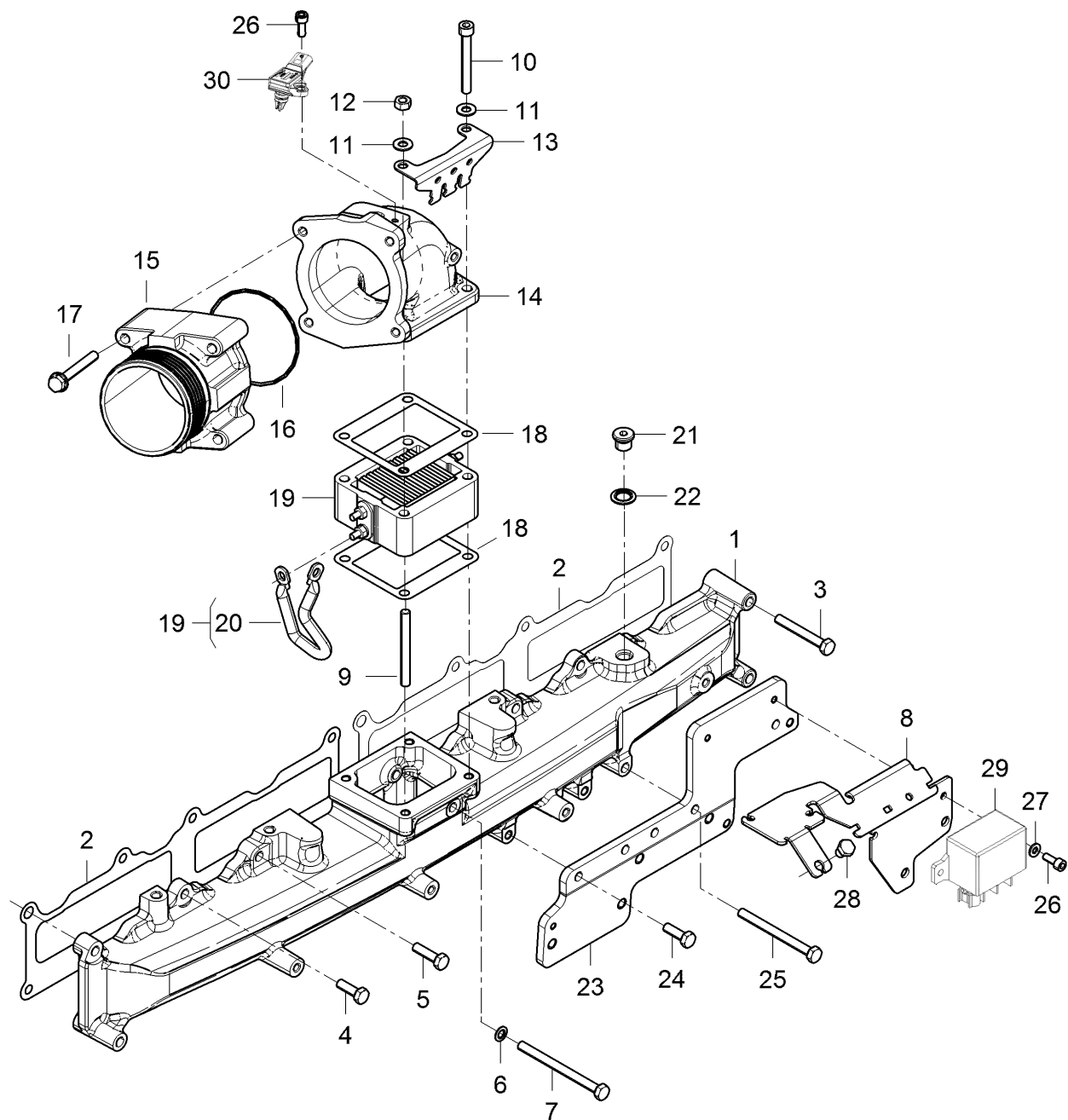
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086137	1	VALVE ROCKER COVER INCLUDES ITEM 2-8	
2	V837067881	1	VALVE ROCKER COVER GASKET [A] [B]	
3	V519600602	1	NUT	
4	V836684766	1	SEALING WASHER	
5	V837070442	1	BREATHER CAP	
6	V614605930	1	O-RING	
7	V837070443	1	BREATHER	
8	V528801172	1	HEX CAP SCREW	
9	V837084117	1	VALVE ROCKER COVER INCLUDES ITEM 10	
10	V837067881	1	VALVE ROCKER COVER GASKET [A] [B]	
11	V540801912	4	HEXAGON FLANGE BOLT	
12	V614901030	8	O-RING [A] [B] [C]	
13	V540801782	4	HEXAGON FLANGE BOLT	
14	V837086536	2	VALVE ROCKER COVER FRAME INCLUDES ITEM 15	
15	V837067881	2	VALVE ROCKER COVER GASKET [A] [B]	
16	V581804632	6	HEX SOCKET SCREW [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG36E3083

OIL RETURN PIPES

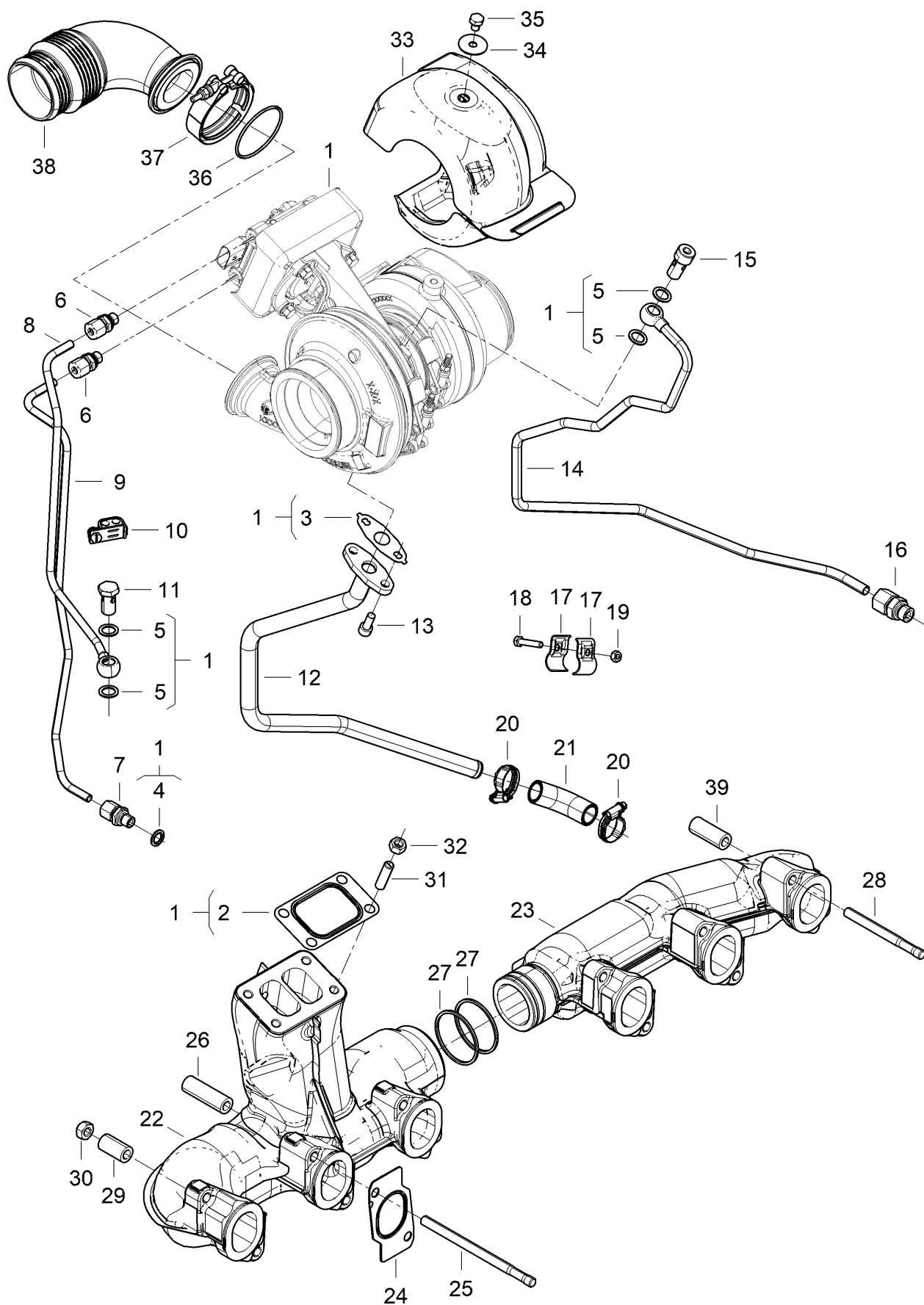
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACW2102920	1	DISTRIBUTION MANIFOLD	
2	ACW2102870	1	OIL RETURN PIPE	
3	ACW2102800	1	OIL RETURN PIPE	
4	ACW2102850	1	OIL RETURN PIPE	
5	ACW2102810	1	OIL RETURN PIPE	
6	ACW2102890	1	OIL RETURN PIPE	
7	V641086010	4	STRAIGHT FITTING	
8	V836684770	17	SEALING WASHER [A] [B] [C]	
9	V640435010	6	BANJO BOLT	
10	V836324878	1	UNION	
11	V836684769	1	SEALING WASHER [A] [B] [C]	
12	V640325014	1	SCREW PLUG	
13	V581804602	2	HEX SOCKET SCREW	
14	V602070810	1	RETAINER CLAMP	
15	V581804172	1	HEX SOCKET SCREW	
16	V602098110	4	PIPE CLAMP	
17	V528801102	4	HEX CAP SCREW	
18	V510600602	3	NUT	
19	ACW2770770	1	RETAINER CLAMP	
20	V581804982	1	HEX SOCKET SCREW	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	
			[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG7E3275

INTAKE MANIFOLD

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837070219	1	INTAKE MANIFOLD	
2	V837069009	2	INTAKE MANIFOLD GASKET [A] [B]	
3	V529801472	2	HEX CAP SCREW	
4	V528801402	2	HEX CAP SCREW	
5	V528801412	8	HEX CAP SCREW	
6	V836684767	1	SEALING WASHER [A] [B] [C]	
7	V529801552	1	HEX CAP SCREW	
8	ACW358794A	1	BRACKET	
9	V546801492	1	STUD BOLT	
10	V581804702	3	HEX SOCKET SCREW	
11	V500150842	4	WASHER	
12	V504800800	1	NUT	
13	V837086367	1	BRACKET	
14	ACX2600190	1	AIR INTAKE PIPE	
15	ACW9029240	1	AIR INTAKE ADAPTER	
16	V614708625	1	O-RING [A] [B] [C]	
17	V540801492	4	HEXAGON FLANGE BOLT	
18	V837067345	2	GASKET [A] [B]	
19	V837067296	1	INTAKE AIR PREHEATER INCLUDES ITEM 20	
20	ACP0427330	1	GROUND WIRE	
21	V640325014	1	SCREW PLUG	
22	V836684770	1	SEALING WASHER [A] [B] [C]	
23	ACW379471A	1	FUEL FILTER BRACKET	
24	V528801382	3	HEX CAP SCREW	
25	V529801532	2	HEX CAP SCREW	
26	V581804182	3	HEX SOCKET SCREW	
27	V500150642	2	WASHER	
28	V528801342	1	HEX CAP SCREW	
29		1	SEE PAGE 01-0027	
30		1	SEE PAGE 01-0027	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	
			[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG33E3736

TURBOCHARGER AND EXHAUST MANIFOLD

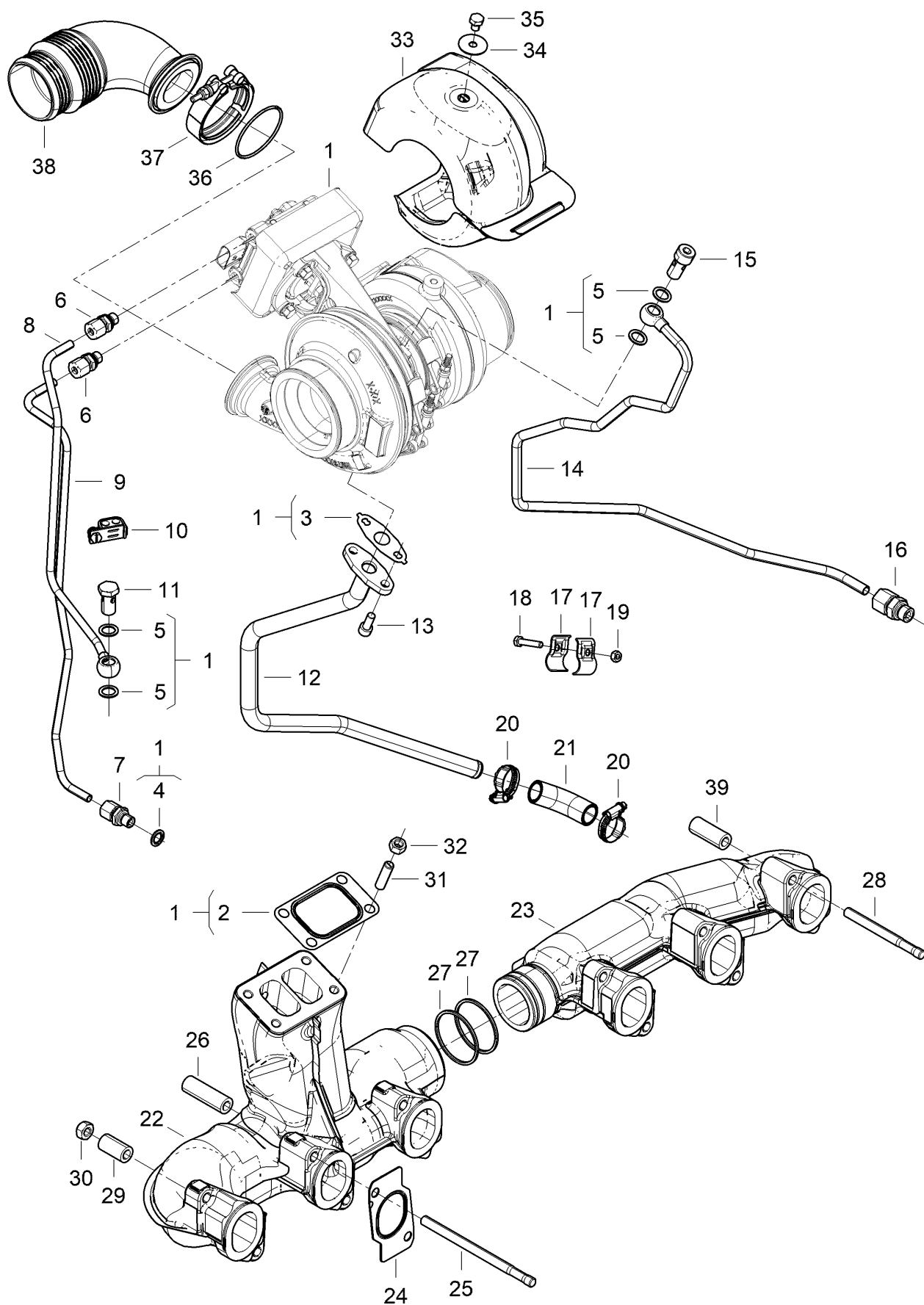
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACP0396720	1	TURBOCHARGER INSTALLATION KIT INCLUDES ITEMS 2-5 SEE PAGE 01-0017	
2	V836316726	1	GASKET [A] [B]	
3	ACW3397620	1	GASKET [A] [B]	
4	V836684769	1	SEALING WASHER [A] [B] [C]	
5	V615881420	4	SEALING WASHER [A] [B] [C]	
6	ACW4824700	2	STRAIGHT FITTING	
7	V641086008	1	STRAIGHT FITTING	
8	V837084260	1	WATER PIPE	
9	ACW5562740	1	WATER PIPE	
10	V837073721	1	PIPE CLAMP	
11	V640435010	1	BANJO BOLT	
12	ACW7583330	1	TURBOCHARGER LUBRICATION OIL PIPE	
13	V581804602	2	HEX SOCKET SCREW	
14	ACW7580750	1	TURBOCHARGER LUBRICATION OIL PIPE	
15	V837084079	1	BANJO BOLT	
16	V641096010	1	STRAIGHT FITTING	
17	V836773645	4	PIPE CLAMP HALF	
18	V529801112	2	HEX CAP SCREW	
19	V504600602	2	NUT	
20	ACW1366940	2	HOSE CLIP	
21	ACW2345550	1	RUBBER ELBOW	
22	ACW3591410	1	EXHAUST MANIFOLD	
23	ACW3591450	1	EXHAUST MANIFOLD	
24	ACW2110490	6	EXHAUST MANIFOLD GASKET [A] [B]	
25	ACW4003650	9	STUD BOLT	
26	V836673013	9	SPACER PIECE	
27	V837073503	2	SEALING RING [A] [B]	
28	ACW4003730	3	STUD BOLT	
29	V836664012	1	SPACER PIECE	
30	V513601002	12	NUT	
31	ACW4030090	4	STUD BOLT	
32	V521801000	4	NUT	
33	ACW4270330	1	HEAT SHIELD	
34	V500750842	1	WASHER	
35	V528801342	1	HEX CAP SCREW [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	

01-0016

ENGINE, FUEL AND EXHAUST SYSTEM

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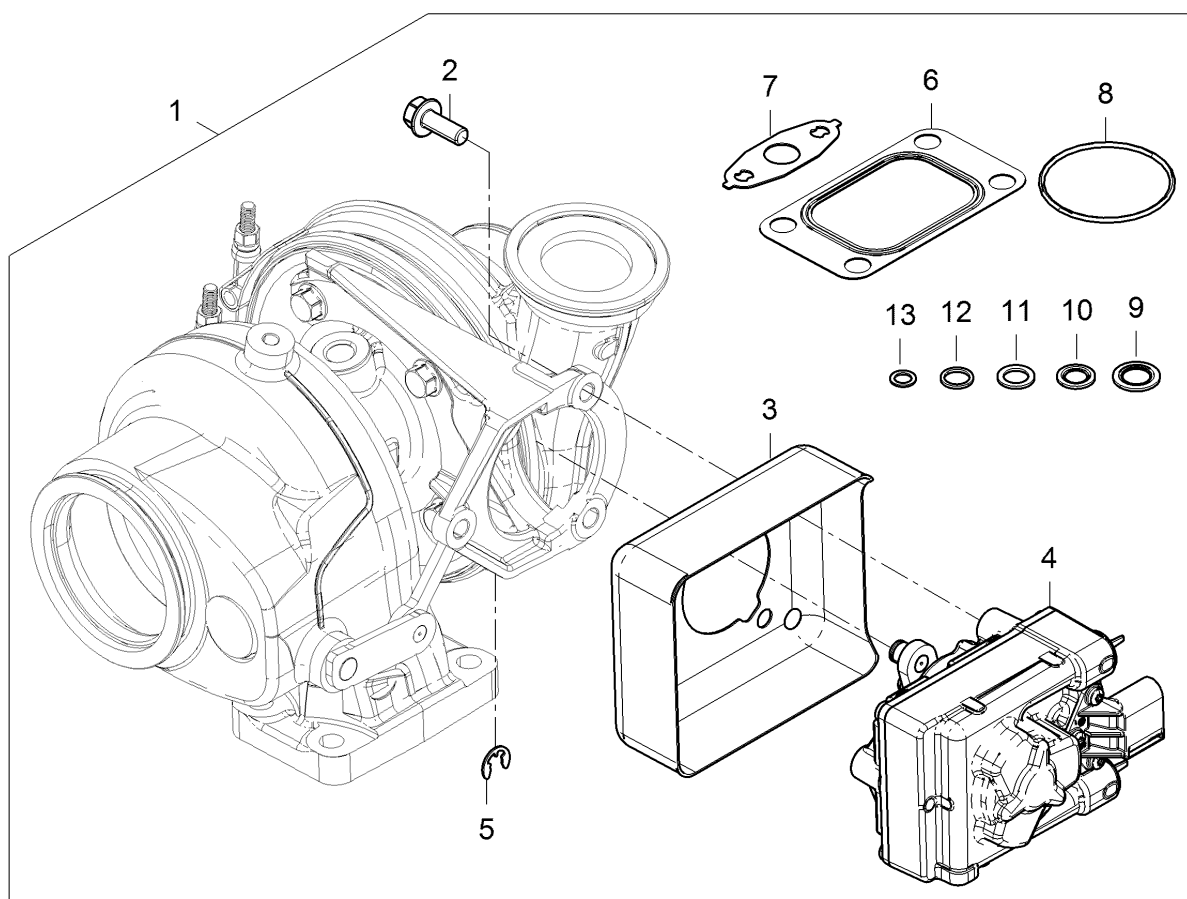
ENGINE ACX3262330 74 LFEN



APG33E3736

TURBOCHARGER AND EXHAUST MANIFOLD

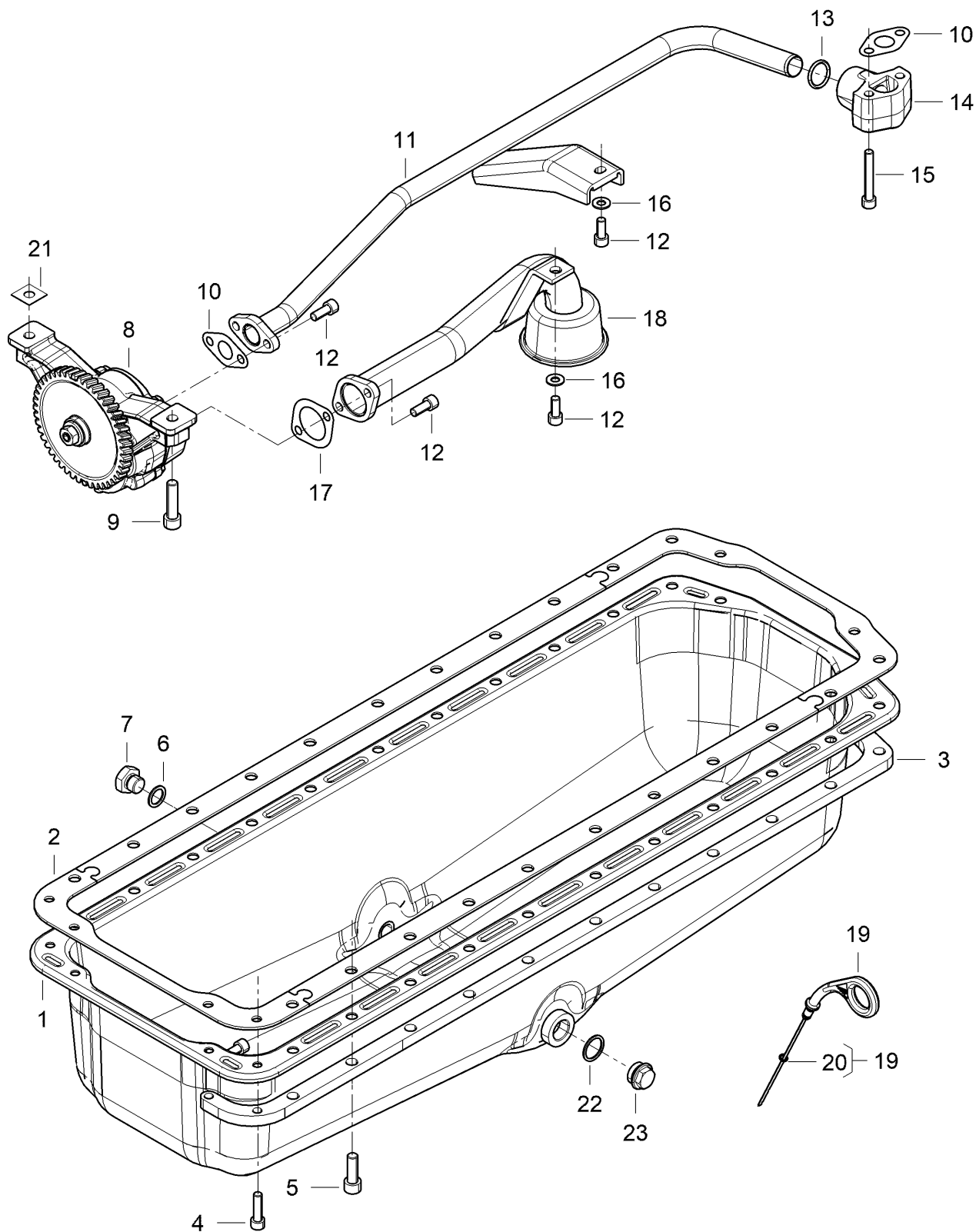
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
36	V614606225	1	O-RING [A] [B] [C]	
37	V836866454	1	V CLAMP	
38	ACW5291900	1	BOOST PIPE	
39	V836664013	2	SPACER PIECE [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG9F2813

TURBOCHARGER - SERVICE PARTS

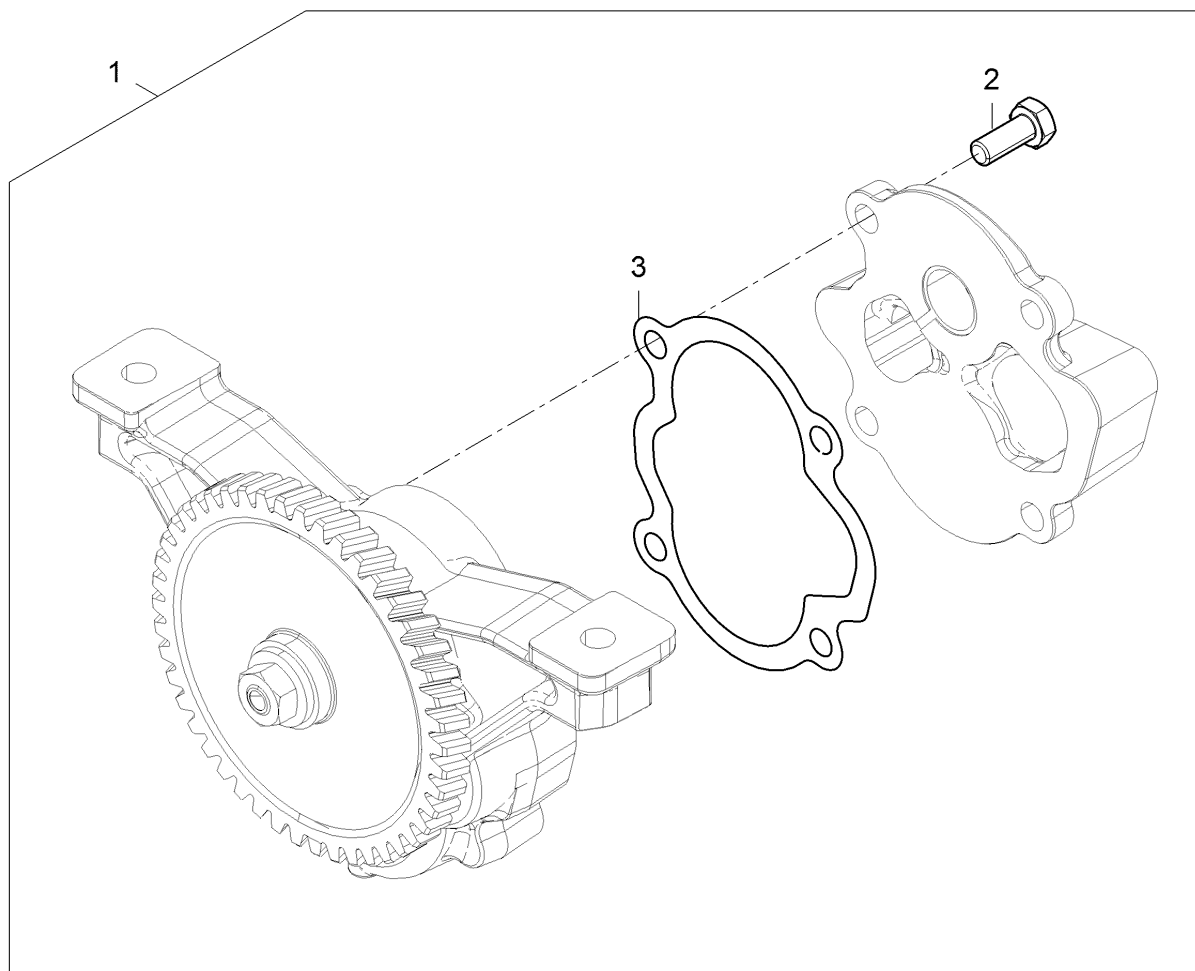
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACP0396720	1	TURBOCHARGER INSTALLATION KIT INCLUDES ITEMS 2-12	
2	V837091127	3	HEXAGON FLANGE BOLT	
3	V837091123	1	HEAT SHIELD	
4	ACP0401730	1	ACTUATOR	
5	V837079945	1	LOCK RING	
6	V836316726	1	GASKET [A] [B]	
7	ACW3397620	1	GASKET [A] [B]	
8	V614606225	1	O-RING [A] [B] [C]	
9	V836684770	4	SEALING WASHER [A] [B] [C]	
10	V836684769	1	SEALING WASHER [A] [B] [C]	
11	V615881420	4	SEALING WASHER [A] [B] [C]	
12	V615881218	4	SEALING WASHER [A] [B] [C]	
13	V615881216	1	SEALING WASHER [A] [B] [C] [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG13E3084

OIL PUMP AND SUMP

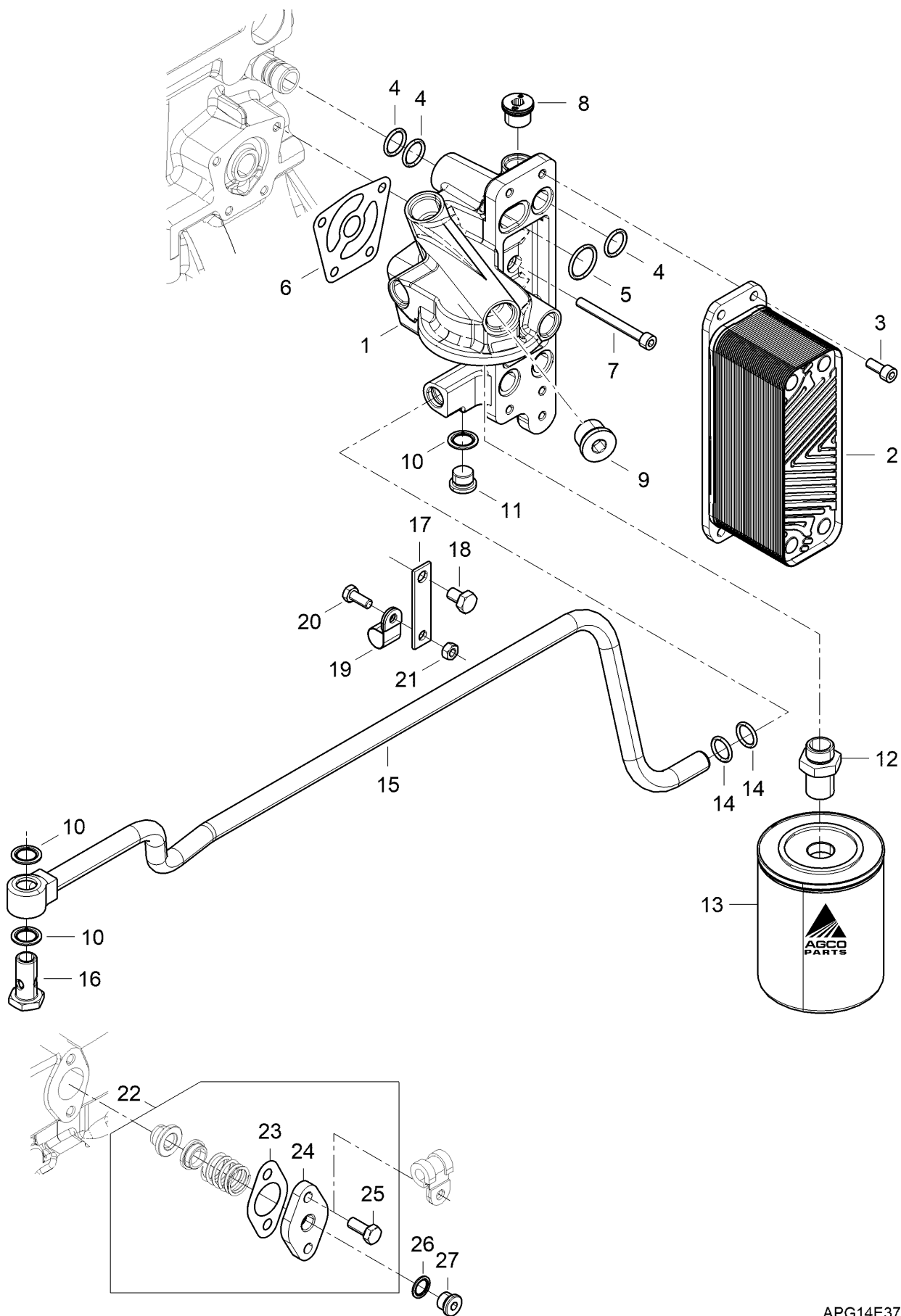
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836347308	1	OIL SUMP	
2	V837084649	1	OIL SUMP GASKET [B]	
3	V836884833	2	PLATE	
4	V580804632	4	HEX SOCKET SCREW	
5	V580805032	24	HEX SOCKET SCREW	
6	V615881622	1	SEALING WASHER [A] [B] [C]	
7	V836655492	1	PLUG	
8	ACW1799230	1	OIL PUMP SEE PAGE 01-0019	
9	V581805052	2	HEX SOCKET SCREW	
10	V836008449	2	GASKET [B]	
11	V836866569	1	OIL PIPE	
12	V580904600	6	HEX SOCKET SCREW	
13	V614702230	1	O-RING [A] [B] [C]	
14	V836866563	1	ADAPTER FLANGE	
15	V580904680	2	HEX SOCKET SCREW	
16	V500150842	2	WASHER	
17	V836338201	1	GASKET [B]	
18	V836855674	1	OIL PUMP SUCTION PIPE	
19	V837084322	1	DIPSTICK INCLUDES ITEM 20	
20	V614900615	2	O-RING [A] [B] [C]	
21	V836007871	X	SHIM	
22	V615882227	1	SEALING WASHER [A] [B] [C]	
23	V640045022	1	SCREW PLUG [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG13E2786

OIL PUMP - SERVICE PARTS

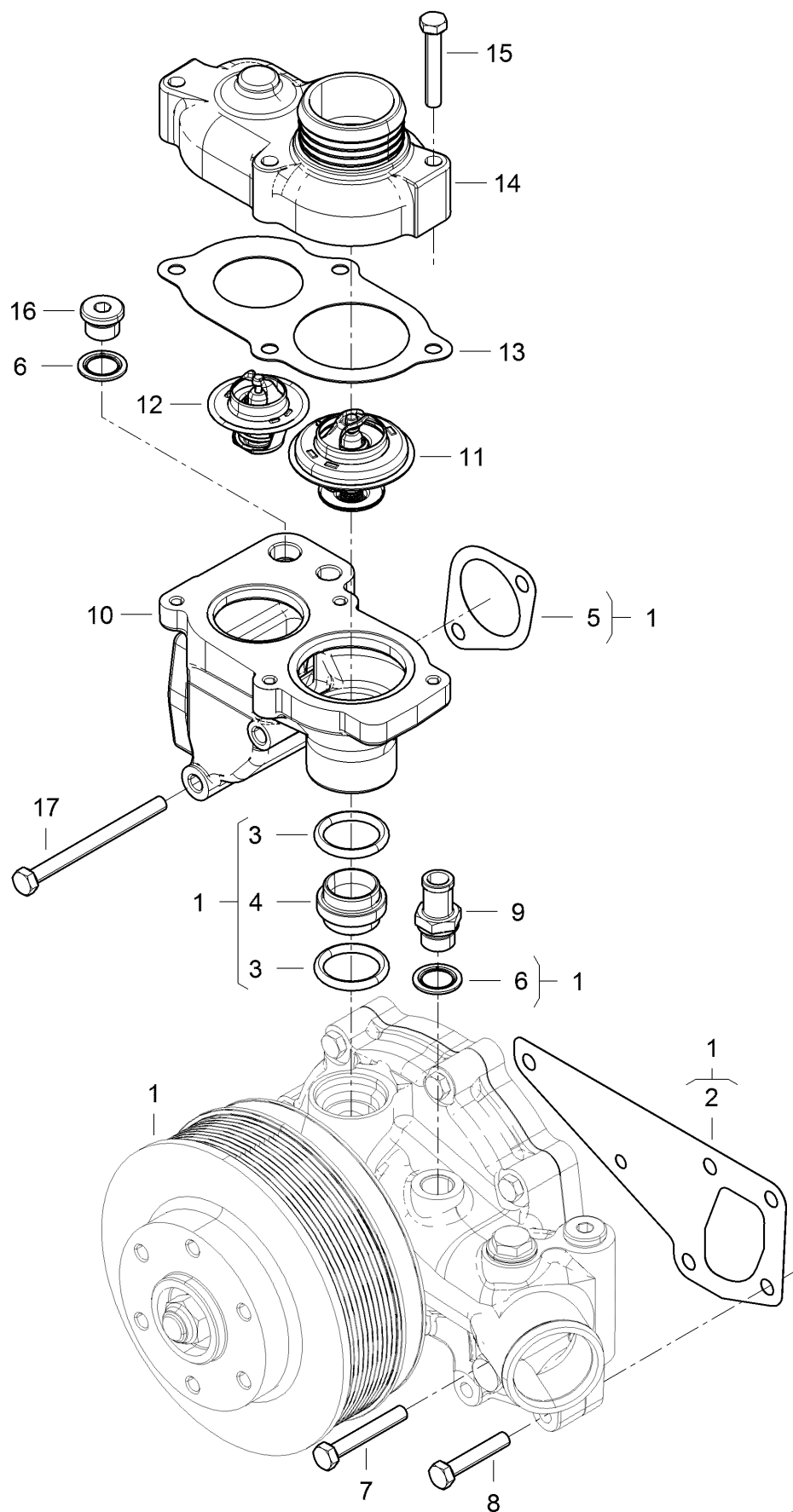
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACW1799230	1	OIL PUMP INCLUDES ITEMS 2-3	
2	V528801382	4	HEX CAP SCREW	
3	ACW3343560	1	GASKET [B] [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	



APG14E3709

OIL COOLER AND FILTER

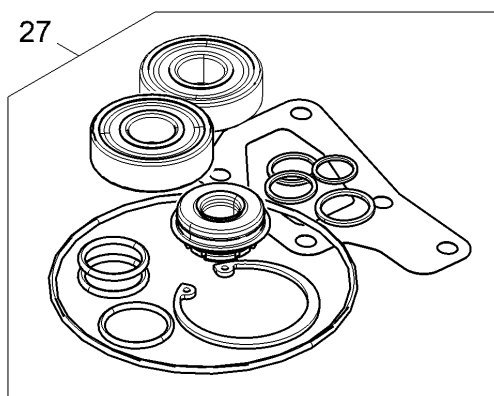
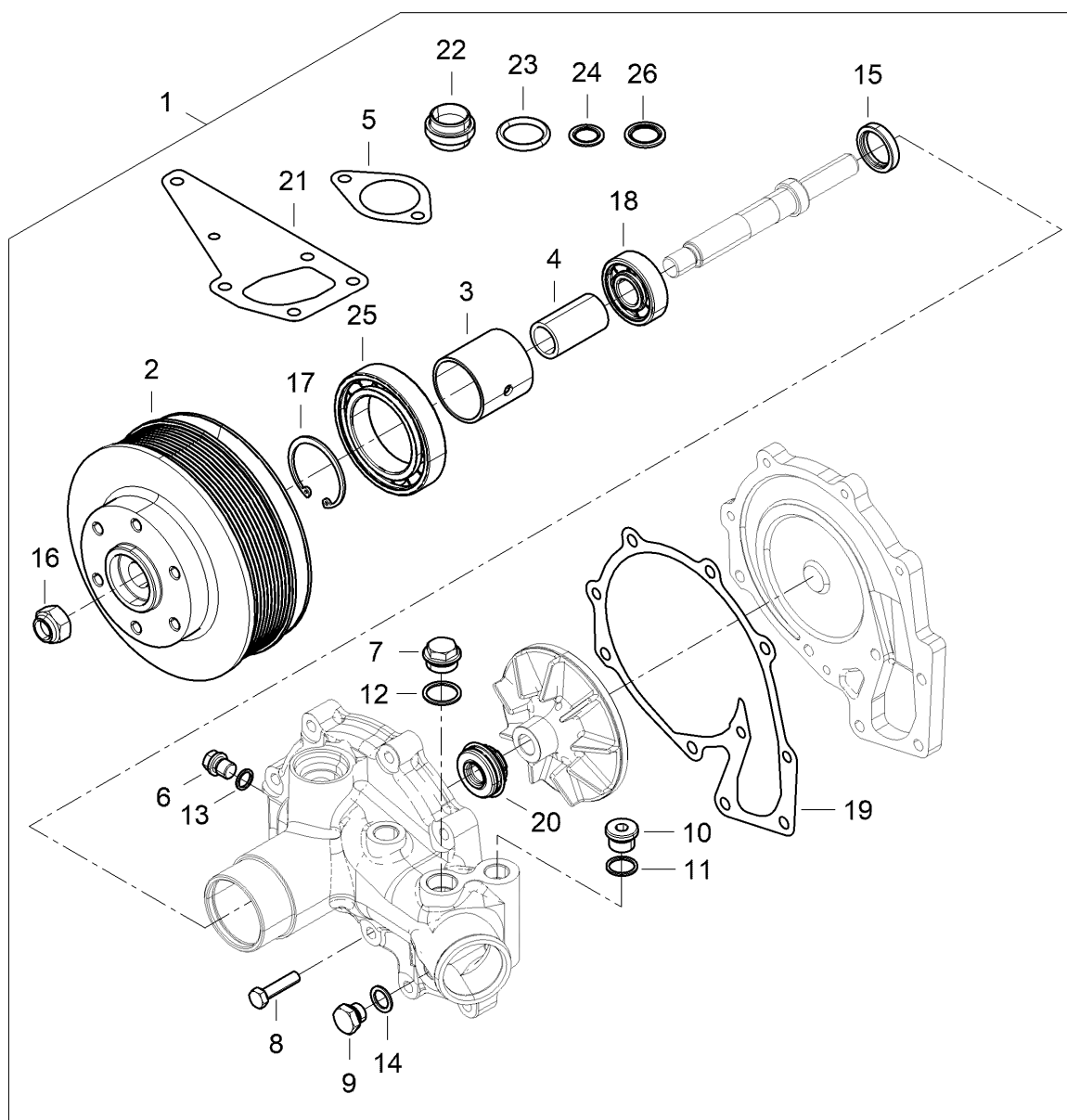
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACW182832A	1	OIL FILTER ADAPTER	
2	V837084028	1	OIL COOLER	
3	V580804602	4	HEX SOCKET SCREW	
4	V614602030	5	O-RING [A] [B] [C]	
5	V614902730	1	O-RING [A] [B] [C]	
6	V836859909	1	GASKET [B]	
7	V581704730	4	HEX SOCKET SCREW	
8	V640155122	5	SCREW PLUG	
9	V640155127	2	SCREW PLUG	
10	V836684772	3	SEALING WASHER [A] [B] [C]	
11	V640325018	1	SCREW PLUG	
12	ACW1828330	1	UNION	
13	V836679586	1	ENGINE OIL FILTER	
14	V614701830	2	O-RING [A] [B] [C]	
15	ACW6466030	1	WATER PIPE	
16	V837086384	1	BANJO BOLT	
17	V837070143	1	SUPPORT	
18	V528801762	1	HEX CAP SCREW	
19	V602074618	1	RETAINER CLAMP	
20	V528801382	1	HEX CAP SCREW	
21	V504800800	1	NUT	
22	V837079484	1	OIL PRESSURE CONTROL VALVE INCLUDES ITEMS 23-25	
23	V836322190	1	GASKET [B]	
24	V837074289	1	COVER	
25	V528801382	2	HEX CAP SCREW	
26	V836684770	1	SEALING WASHER [A] [B] [C]	
27	V640325014	1	SCREW PLUG [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG17E2927

COOLANT PUMP AND THERMOSTAT

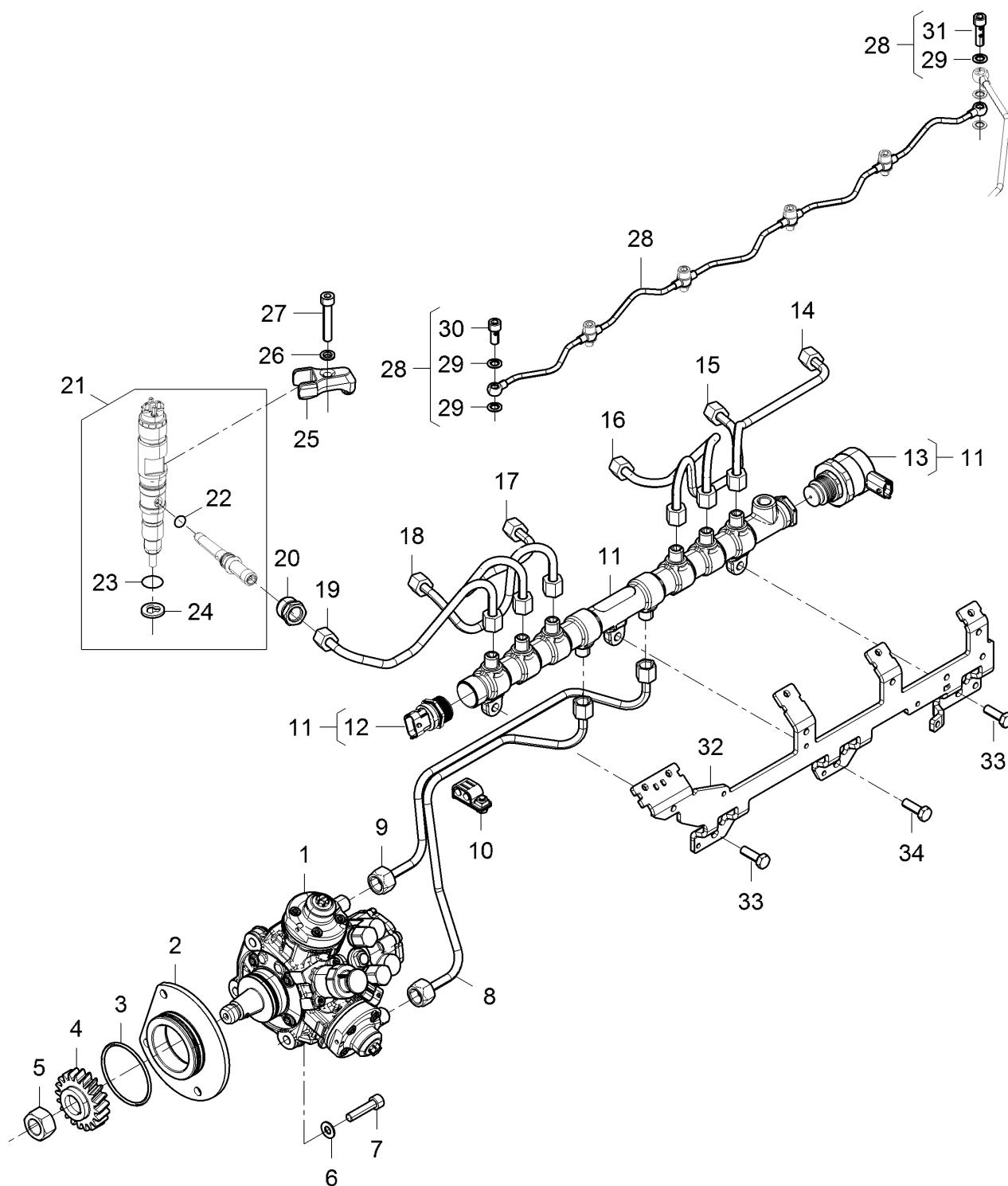
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837091142	1	KIT,WATER PUMP INCLUDES ITEMS 2-6 SEE PAGE 01-0022	
2	ACW3526800	1	GASKET [B]	
3	V614602950	2	O-RING [A] [B] [C]	
4	V836873423	1	WATER PIPE	
5	ACW0403690	1	GASKET [A] [B]	
6	V836684772	2	SEALING WASHER [A] [B] [C]	
7	V529801462	3	HEX CAP SCREW	
8	V529801442	2	HEX CAP SCREW	
9	V836119837	1	HOSE COUPLER	
10	V836847888	1	THERM. HOUSING	
11	ACW2170430	1	THERMOSTAT	83C D67
12	ACW2170510	1	THERMOSTAT	80C D54
13	V836329632	1	GASKET [A] [B]	
14	ACW7494200	1	COVER	
15	V529801452	4	HEX CAP SCREW	
16	V640325018	1	SCREW PLUG	
17	V529801552	2	HEX CAP SCREW	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	
			[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG17E2931

COOLANT PUMP - SERVICE PARTS

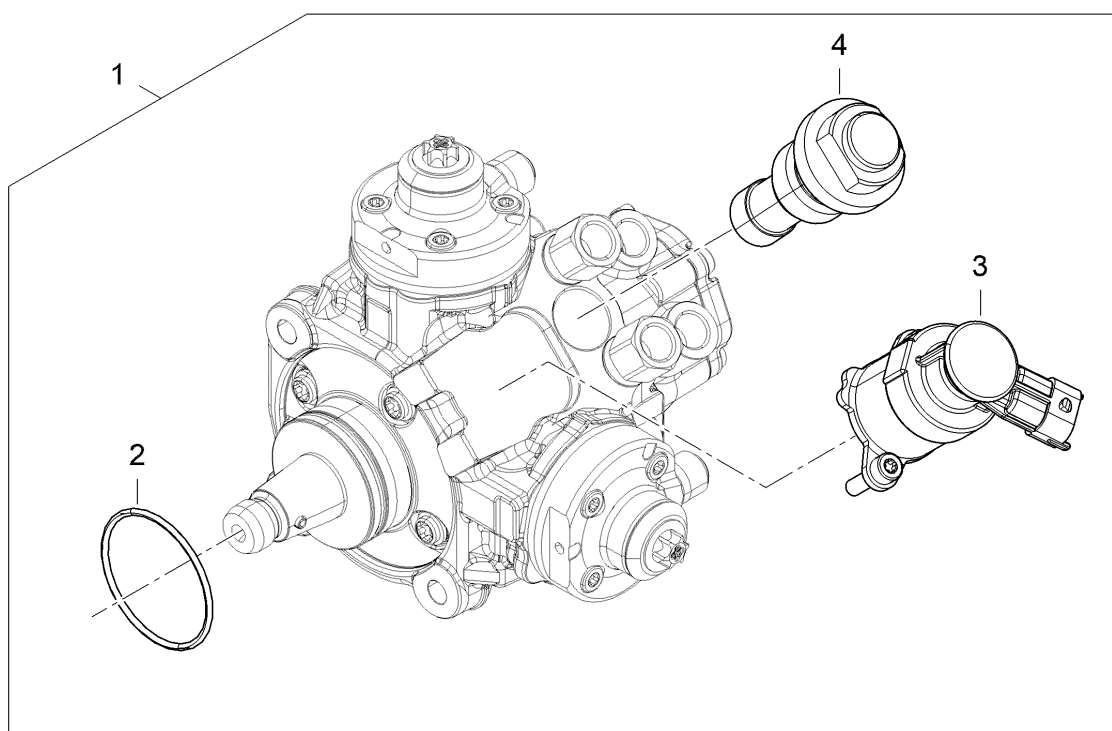
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837091142	1	KIT,WATER PUMP INCLUDES ITEMS 2-26	
2	V837073106	1	WATER PUMP MULTI-RIBBED PULLEY	
3	V836336318	1	SLEEVE	
4	V836336317	1	SLEEVE	
5	ACW0403690	1	GASKET [A] [B]	
6	V640305012	1	SCREW PLUG	
7	V640045022	1	SCREW PLUG	
8	V529901420	5	HEX CAP SCREW	
9	V640046014	1	SCREW PLUG	
10	V640325018	1	SCREW PLUG	
11	V615881822	1	SEALING WASHER [A] [B] [C]	
12	V615882227	1	SEALING WASHER [A] [B] [C]	
13	V615881216	1	SEALING WASHER [A] [B] [C]	
14	V615881420	1	SEALING WASHER [A] [B] [C]	
15	V614102636	1	SHAFT SEAL	
16	V510611602	1	NUT	
17	V617330052	1	LOCK RING	
18	V610063044	1	BALL BEARING	
19	V836864471	1	GASKET [B]	
20	V837073981	1	WATER PUMP CARTRIDGE GASKET	
21	ACW3526800	1	GASKET [B]	
22	V836873423	1	WATER PIPE	
23	V614602950	2	O-RING [A] [B] [C]	
24	V836684772	1	SEALING WASHER [A] [B] [C]	
25	V610060124	1	BALL BEARING	
26	V836684773	1	SEALING WASHER [A] [B] [C]	
27	V836840627	1	WATER PUMP REPAIR KIT INCLUDES ITEMS 11-25 [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG18D3323

FUEL INJECTION SYSTEM

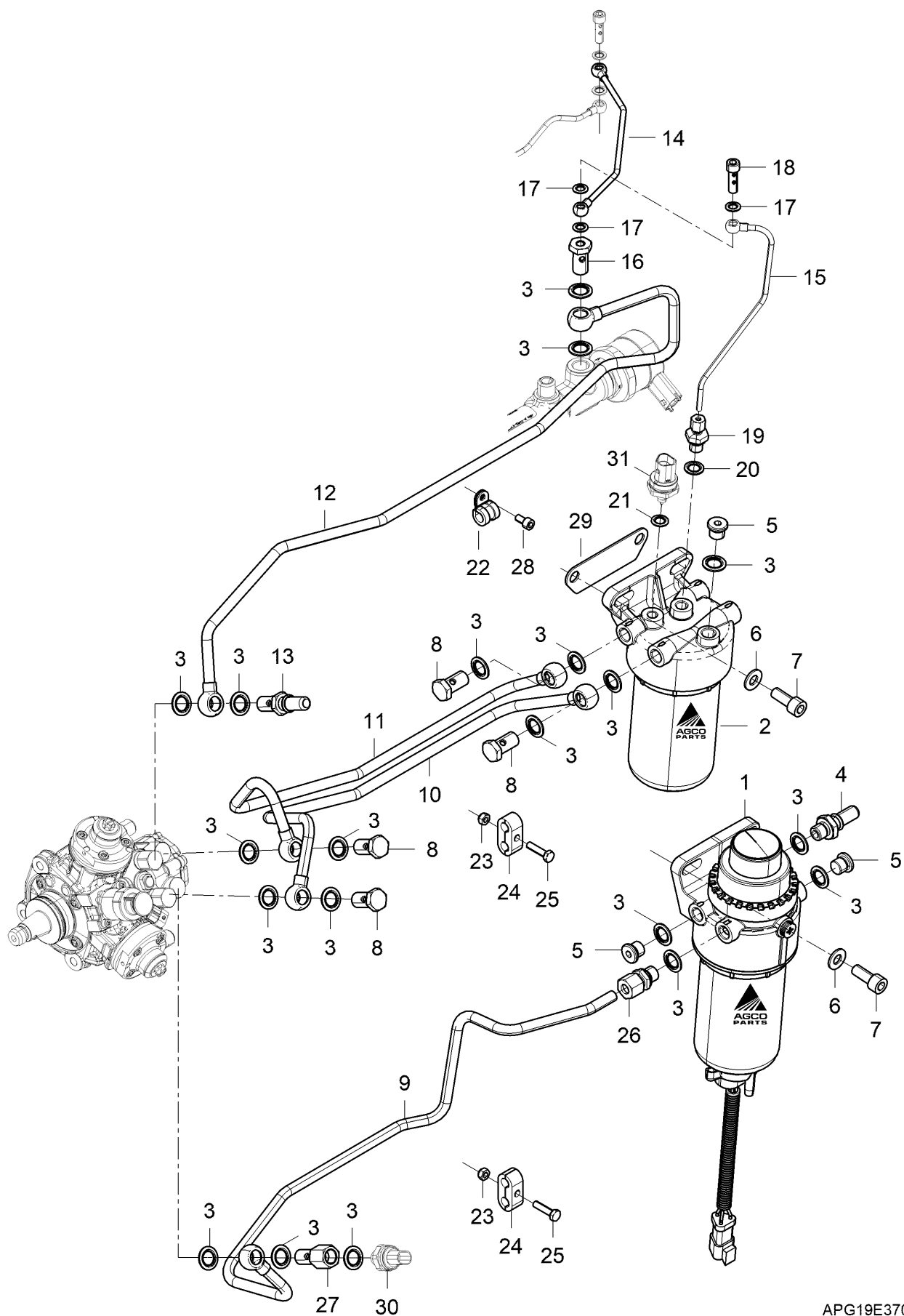
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074805	1	HIGH PRESSURE INJECTION PUMP SEE PAGE 01-0024	CP4-20/2
2	V837073688	1	FLANGE	
3	V614606230	1	O-RING [A] [B] [C]	
4	V837073563	1	GEAR, INJ. PUMP	
5	V504611802	1	NUT	
6	V500150842	3	WASHER	
7	V581804642	3	HEX SOCKET SCREW	
8	V837074675	1	FUEL PIPE	
9	V837074676	1	FUEL PIPE	
10	V837073721	1	PIPE CLAMP	
11	V837074665	1	RAIL PIPE INCLUDES ITEMS 12-13	6.2 HFRN-20
12	V837079833	1	FUEL PRESSURE SENSOR	
13	V837079834	1	FUEL PRESSURE VALVE	
14	V837074673	1	INJECTION PIPE	
15	V837074672	1	INJECTION PIPE	
16	V837074671	1	INJECTION PIPE	
17	V837074670	1	INJECTION PIPE	
18	V837074669	1	INJECTION PIPE	
19	V837074668	1	INJECTION PIPE	
20	V837069268	6	NUT	
21	V837079827	6	INJECTOR INCLUDES ITEMS 22-24	CRIN3-20
22	V837091050	6	O-RING [A] [B] [C]	
23	V837079978	6	O-RING [A] [B] [C]	
24	V837091049	6	SEALING WASHER [A] [B] [C]	
25	V837069007	6	FASTENER	
26	V837070121	6	WASHER	
27	V581704660	6	HEX SOCKET SCREW	
28	V837086566	1	INJECTOR OVERFLOW PIPE INCLUDES ITEMS 29-31	
29	V836684767	13	SEALING WASHER [A] [B] [C]	
30	V837073117	5	BANJO BOLT	
31	V837073118	1	DUAL BANJO BOLT	
32	ACW358450A	1	BRACKET	
33	V528801402	2	HEX CAP SCREW	
34	V528801412	1	HEX CAP SCREW	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	
			[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG18G2540

FUEL INJECTION PUMP - SERVICE PARTS

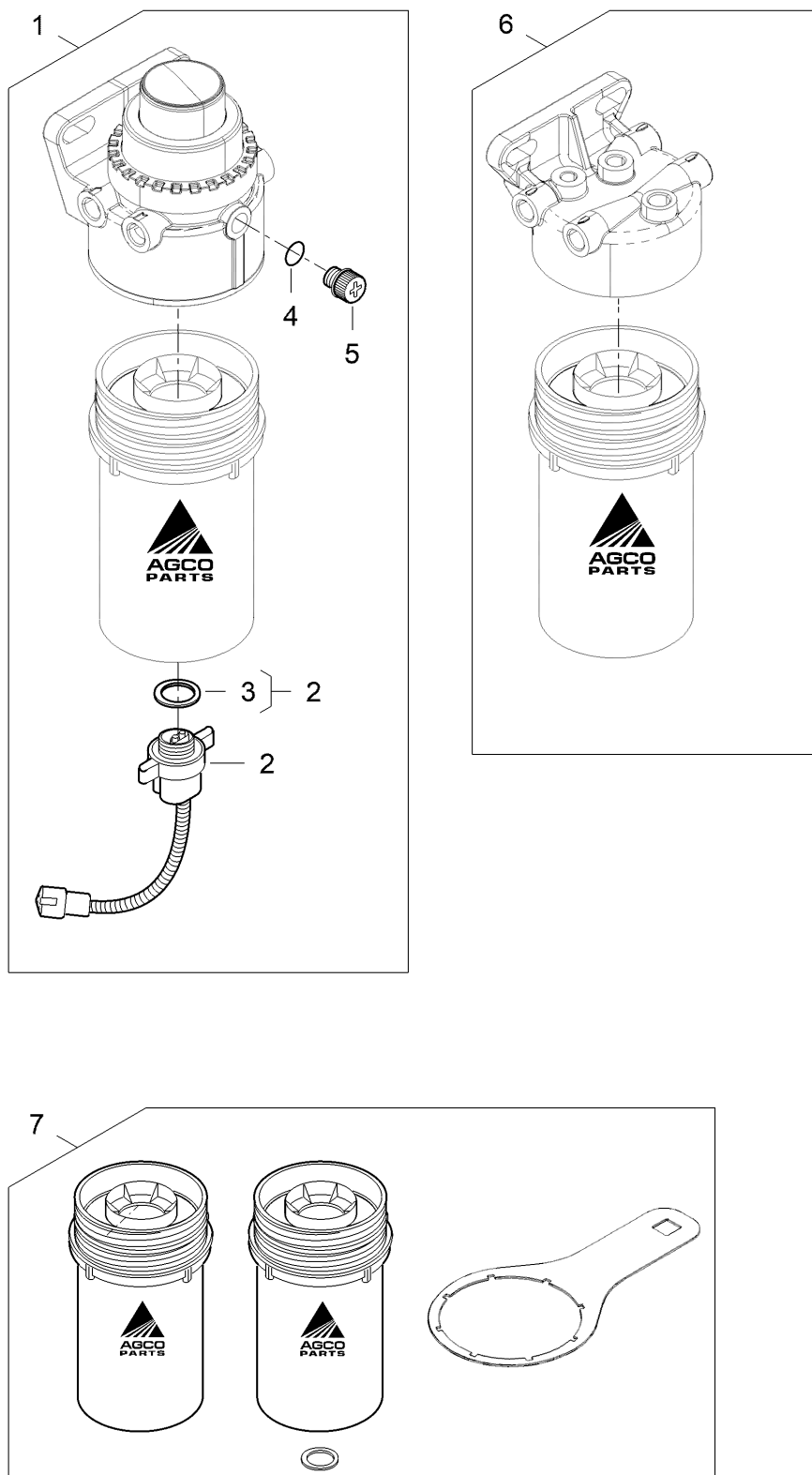
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074805	1	HIGH PRESSURE INJECTION PUMP INCLUDES ITEMS 2-4	CP4-20/2
2	V837079431	1	O-RING [A] [B] [C]	
3	V837079633	1	VALVE	
4	V837091124	1	VALVE [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	CP4



APG19E3707

FUEL FILTERS

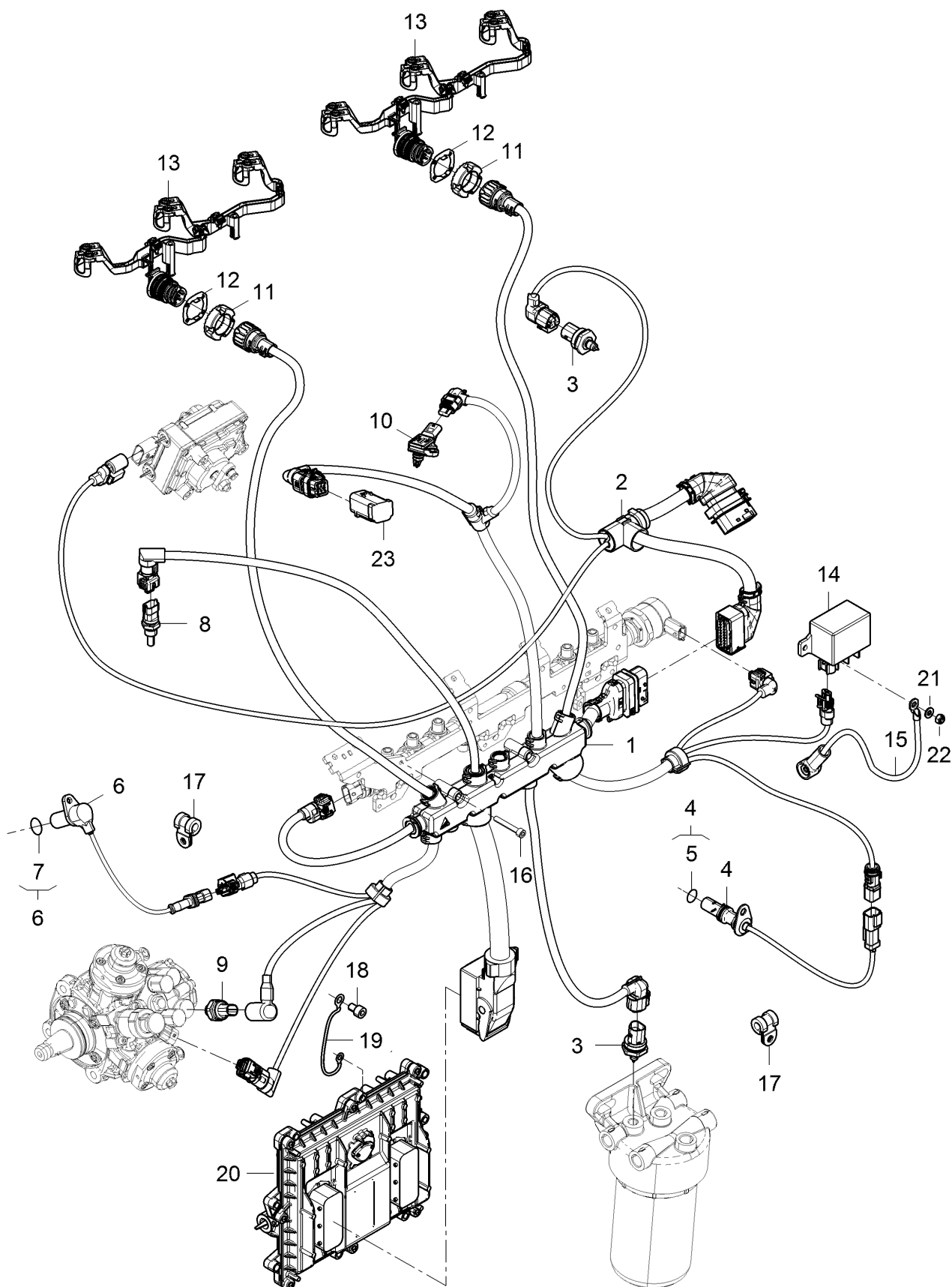
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086172	1	FUEL PREFILTER SEE PAGE 01-0026	
2	V837086099	1	MAIN FUEL FILTER SEE PAGE 01-0026	
3	V836684770	20	SEALING WASHER [A] [B] [C]	
4	V837086171	1	QUICK COUPLER	
5	V640325014	3	SCREW PLUG	
6	V500151052	4	WASHER	
7	V581805022	4	HEX SOCKET SCREW	
8	V640435010	4	BANJO BOLT	
9	V837073933	1	FUEL PIPE	
10	V837073938	1	FUEL PIPE	
11	V837073936	1	FUEL PIPE	
12	V837074793	1	FUEL PIPE	
13	V837074191	1	QUICK COUPLER	
14	V837086563	1	FUEL PIPE	
15	V837084076	1	FUEL PIPE	
16	V836007420	1	BANJO BOLT	
17	V836684767	3	SEALING WASHER [A] [B] [C]	
18	V837073118	1	DUAL BANJO BOLT	
19	V837074146	1	STRAIGHT FITTING	
20	V836684769	1	SEALING WASHER [A] [B] [C]	
21	V836684768	1	SEALING WASHER [A] [B] [C]	
22	V602070810	1	RETAINER CLAMP	
23	V510600602	2	NUT	
24	V602098110	2	PIPE CLAMP	
25	V528801102	2	HEX CAP SCREW	
26	V641086010	1	STRAIGHT FITTING	
27	V837084064	1	BANJO BOLT	
28	V581804172	1	HEX SOCKET SCREW	
29	ACX3324910	1	SHIM PLATE	
30		1	SEE PAGE 01-0027	
31		1	SEE PAGE 01-0027	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	
			[C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG19G2542

FUEL FILTERS - SERVICE PARTS

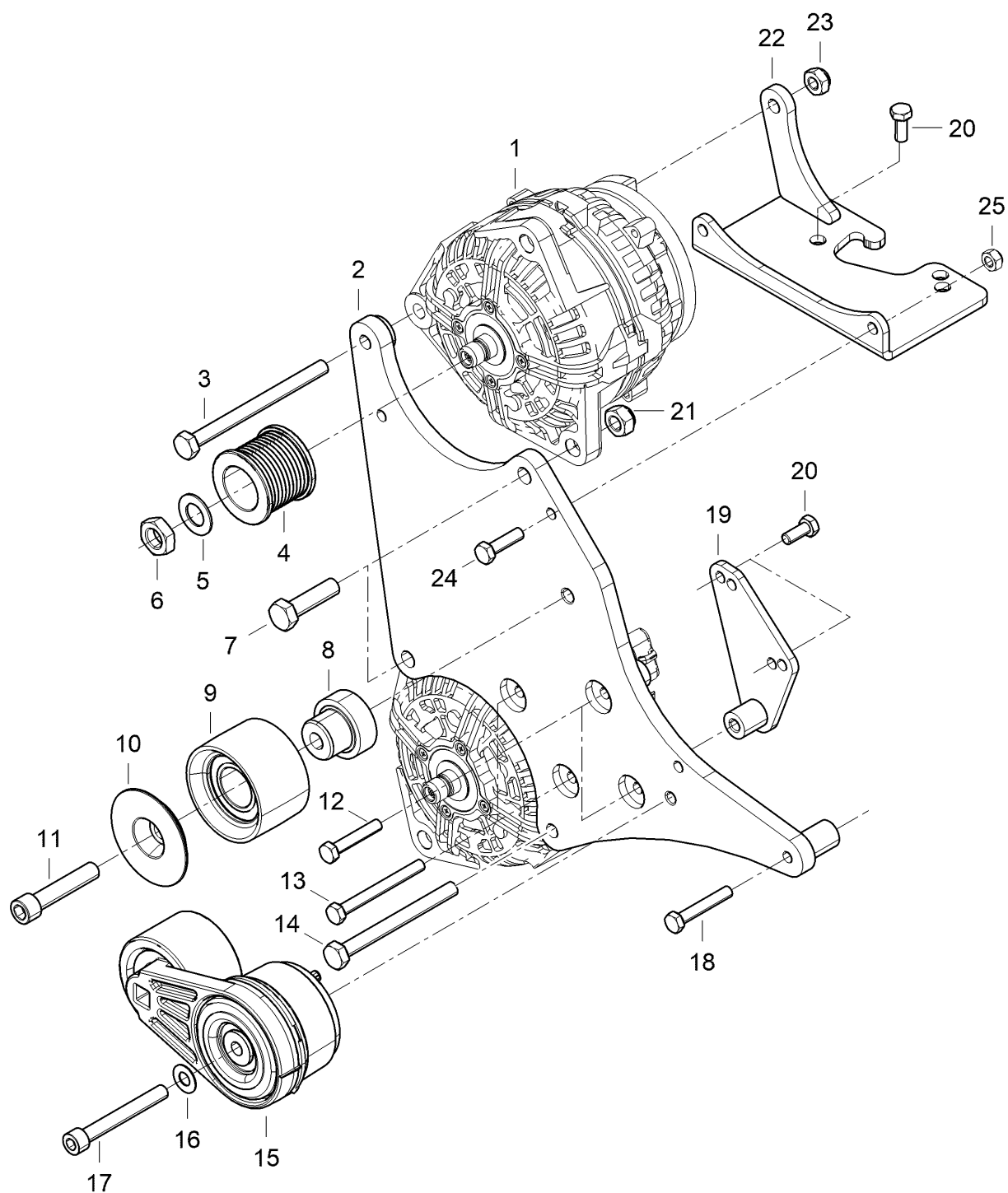
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086172	1	FUEL PREFILTER INCLUDES ITEMS 2-5	
2	V837074054	1	FUEL FILTER WATER ALARM INCLUDES ITEMS 3	
3	V837091271	1	SEAL	
4	V837079628	1	O-RING [A] [B] [C]	
5	V837079627	1	BLEED SCREW	
6	V837086099	1	MAIN FUEL FILTER	
7	V837091436	1	FUEL FILTER KIT [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2 [C] INCLUDED IN SEALING WASHER AND O-RING ASSORTMENT	



APG20E3278

ELECTRONIC ENGINE MANAGEMENT

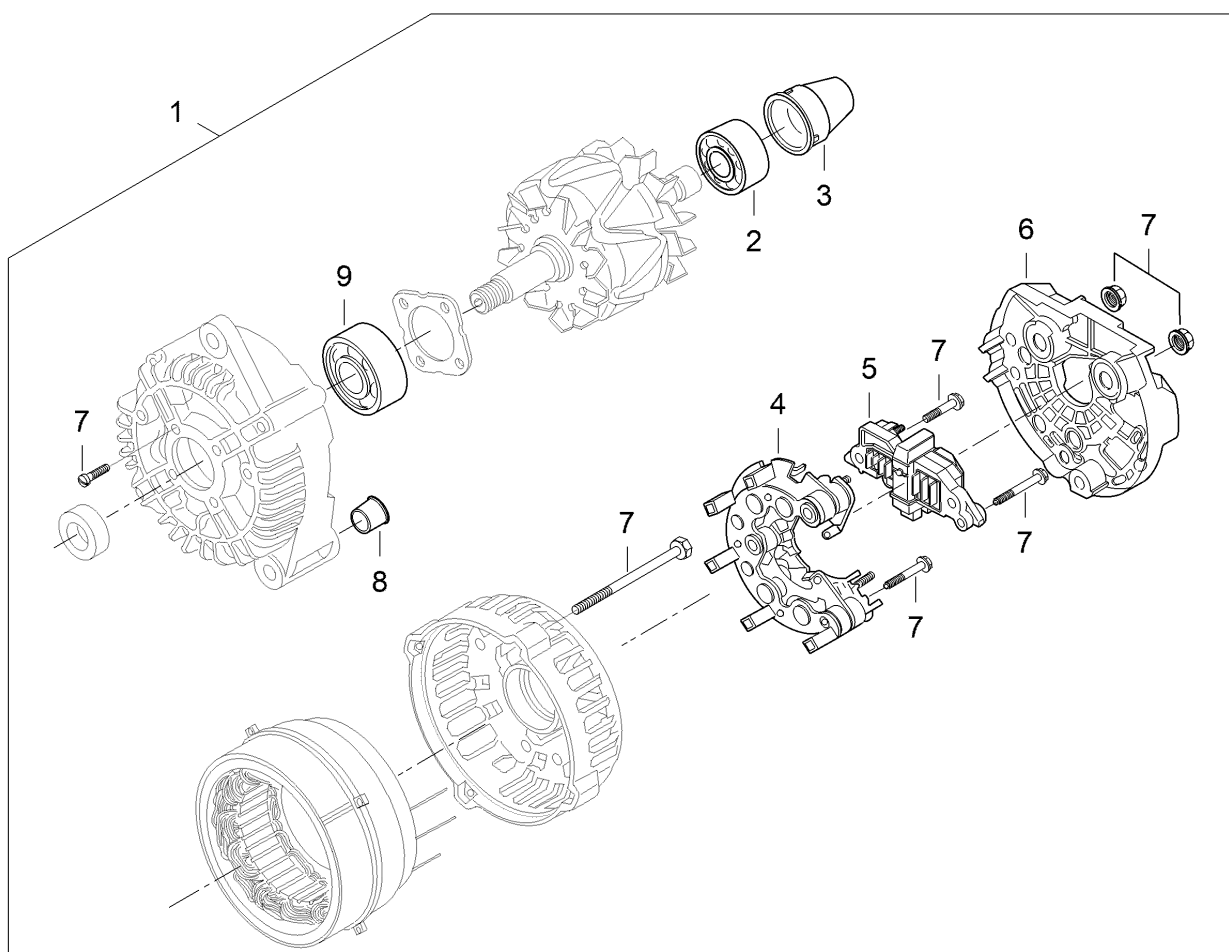
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACW3435990	1	ENGINE WIRE HARNESS	
2	ACW1698500	1	ENGINE WIRE HARNESS	
3	ACW2011720	2	SENSOR	
4	ACW0830170	1	CRANKSHAFT SPEED SENSOR INCLUDES ITEM 5	
5	V837091429	2	O-RING	
6	V837070189	1	SPEED SENSOR INCLUDES ITEM 7	
7	V614601718	1	O-RING	
8	V836667732	1	TEMPERATURE SENSOR	
9	V837070209	1	PRESSURE SENSOR	
10	V837084326	1	BOOST PRESSURE SENSOR	
11	V837073921	2	LOCKING RING	
12	V837073922	2	LOCKING PLATE	
13	V837084141	2	ENGINE WIRE HARNESS	
14	V837069048	1	RELAY	
15	V837070055	1	WIRE	
16	V581804252	2	HEX SOCKET SCREW	
17	V602060610	2	RETAINER CLAMP	
18	V581804572	1	HEX SOCKET SCREW	
19	V837070292	1	GROUND WIRE	
20	ACP0428480	1	ENGINE CONTROL UNIT	
21	V500150642	1	WASHER	
22	V510600602	1	NUT	
23	V837086259	1	PLASTIC PLUG	



APG21E3738

ALTERNATOR

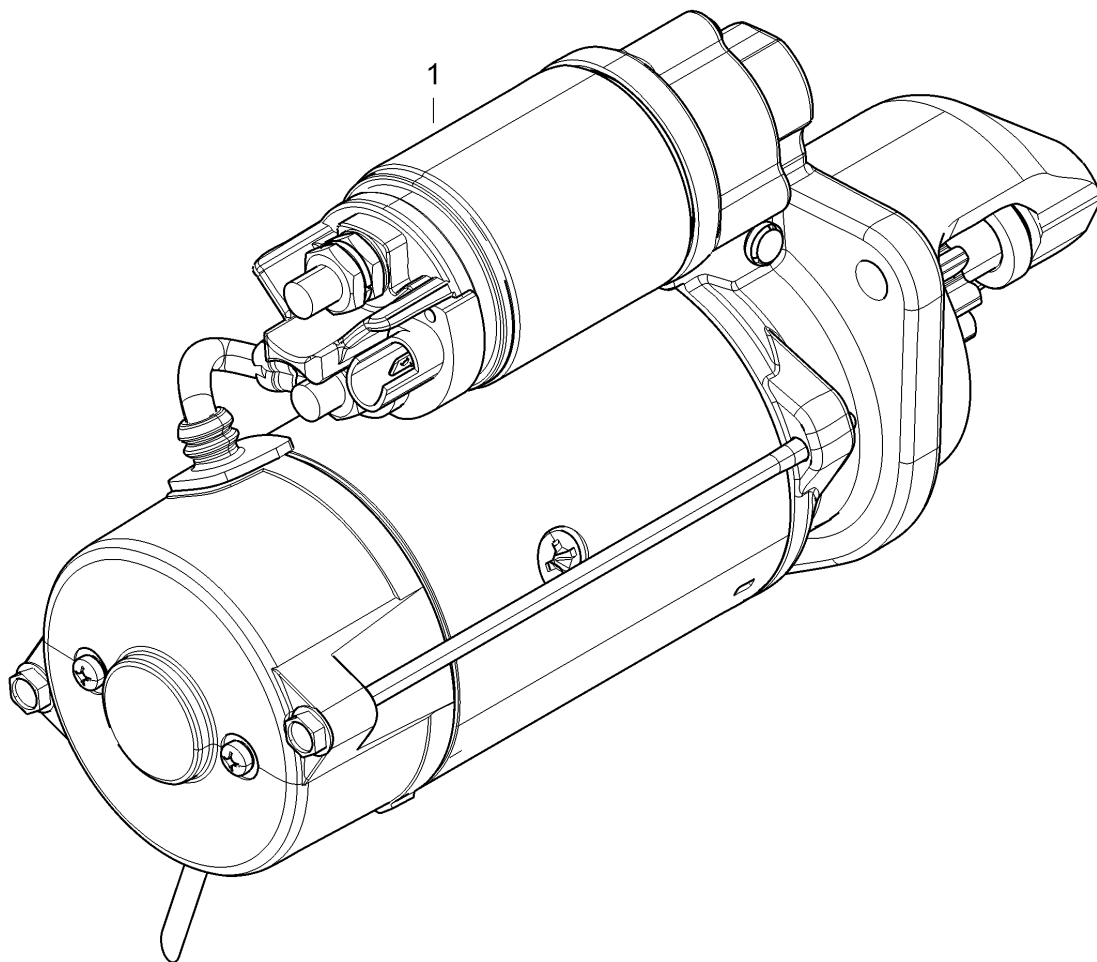
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836873047	2	ALTERNATOR SEE PAGE 01-0029	
2	V837074053	1	ALTERNATOR BRACKET	
3	V529801982	1	HEX CAP SCREW	
4	ACW6826530	2	ALTERNATOR PULLEY	
5	V500951602	2	SPRING WASHER	
6	V505611602	2	NUT	
7	V529802242	2	SCREW	
8	ACW3401150	1	IDLER SHAFT	
9	ACW153929A	1	IDLER PULLEY	
10	ACW1539330	1	FLANGE	
11	V581705490	1	HEX SOCKET SCREW	
12	V529801442	2	HEX CAP SCREW	
13	V529801512	2	HEX CAP SCREW	
14	V529801962	1	HEX CAP SCREW	
15	V837086281	1	BELT TENSIONER	
16	V500951002	1	SPRING WASHER	
17	V581705130	1	HEX SOCKET SCREW	
18	V529801452	1	HEX CAP SCREW	
19	V837073104	1	ALTERNATOR BRACKET	
20	V528801382	4	HEX CAP SCREW	
21	V510601202	2	NUT	
22	V837073102	1	ALTERNATOR BRACKET	
23	V510601002	1	NUT	
24	V528801412	2	HEX CAP SCREW	
25	V510600802	2	NUT	



APG21E2939

ALTERNATOR - SERVICE PARTS

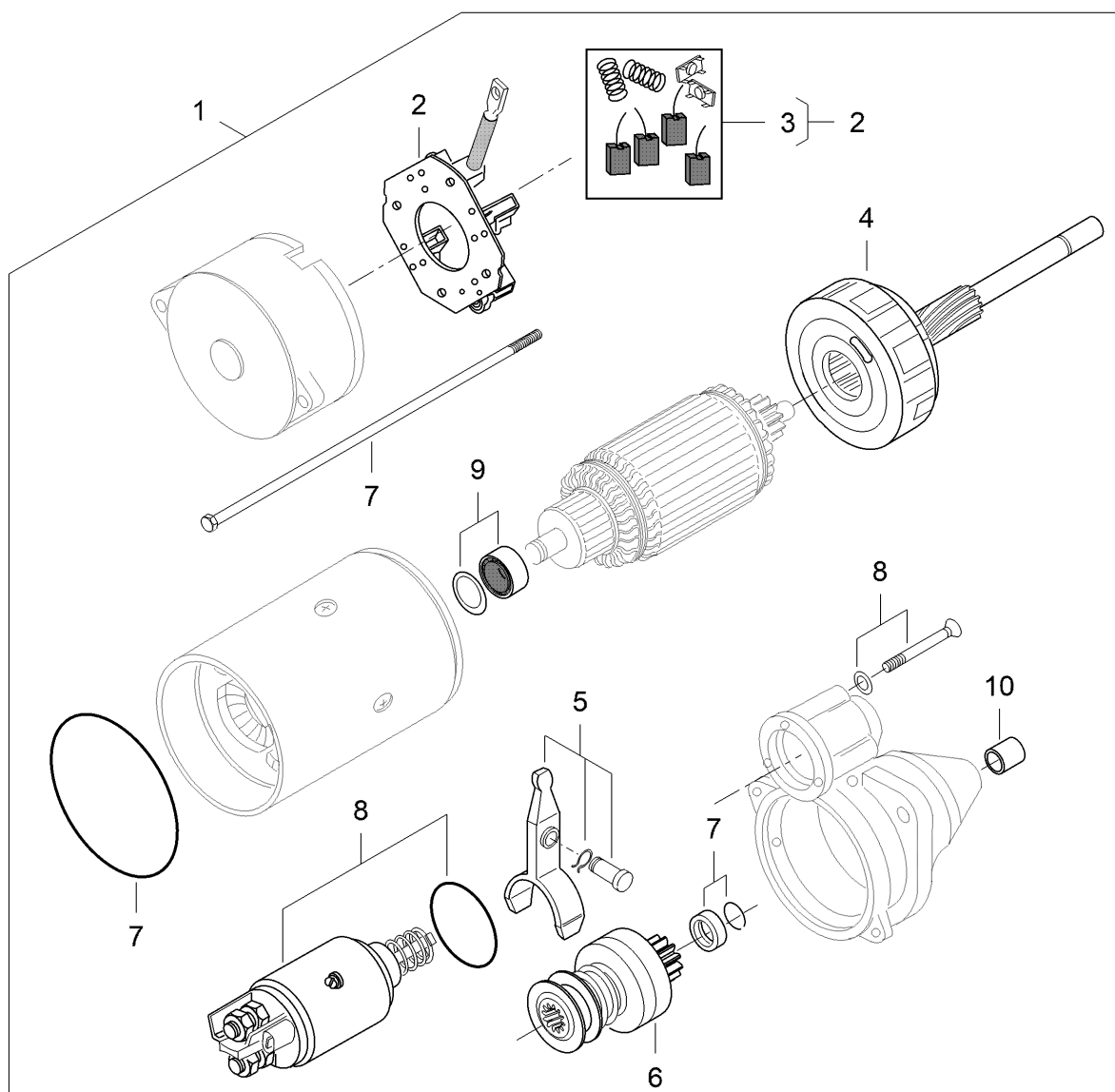
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836873047	1	ALTERNATOR INCLUDES ITEMS 2-9	
2	V836879209	1	BEARING	
3	V836879210	1	INSTALLATION RING	
4	V836879211	1	RECTIFIER	
5	V836879212	1	REGULATOR	
6	V836879213	1	COVER	
7	V836879214	1	PARTS KIT	
8	V836879215	1	BUSH	
9	V836679163	1	BALL BEARING	



APG22E2936

STARTER MOTOR

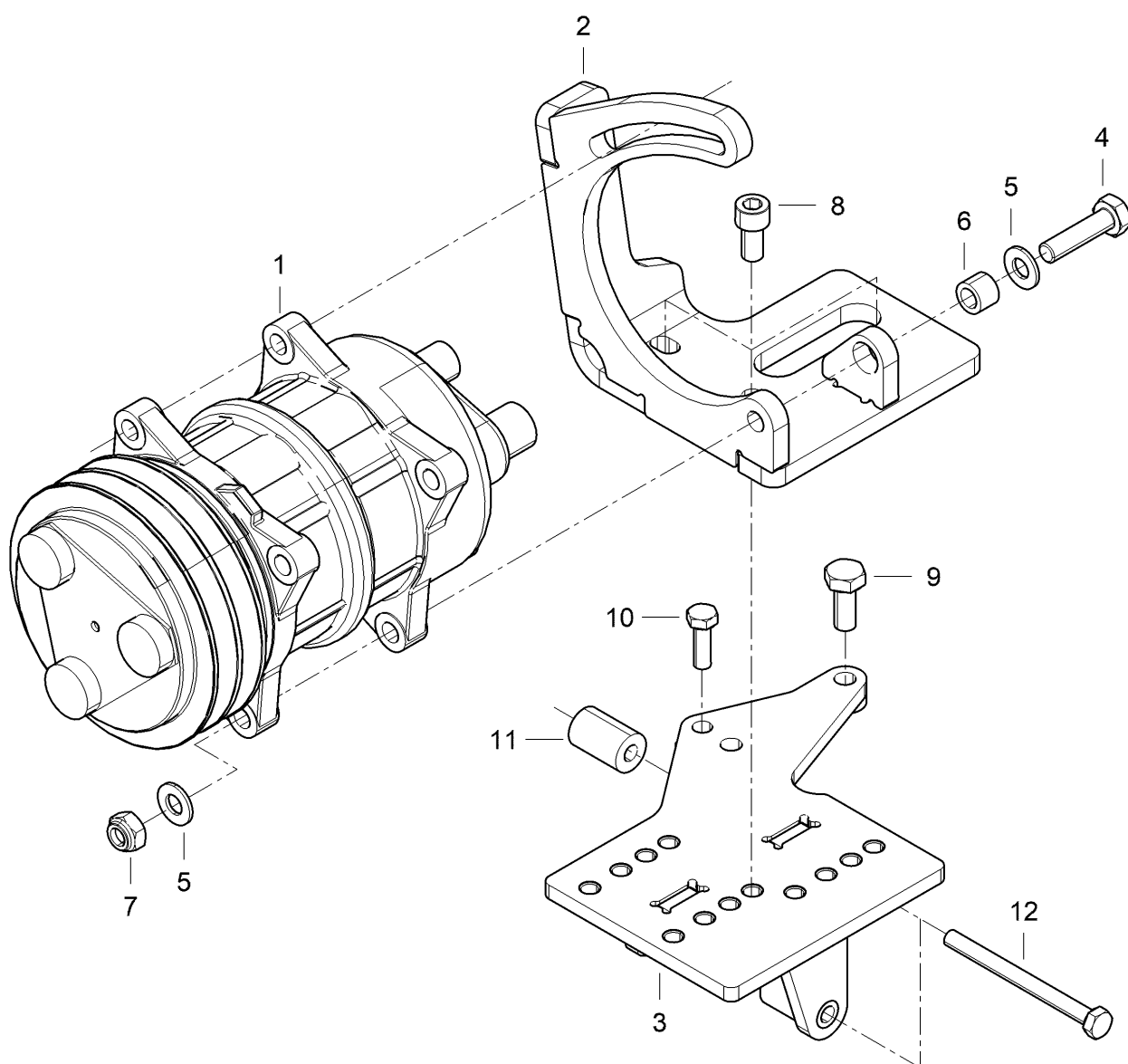
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836674649	1	STARTER MOTOR SEE PAGE 01-0031	



APG22E2937

STARTER MOTOR - SERVICE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836674649	1	STARTER MOTOR INCLUDES ITEMS 2-10	
2	V836679668	1	KIT,BRUSH HOLDER	
3	V836679669	1	KIT, BRUSH	
4	V836862458	1	GEAR,STARTER MOTOR	
5	V836862457	1	LEVER	
6	V836679671	1	DRIVE GEAR	
7	V836879469	1	PARTS KIT	
8	V836679666	1	STARTER SOLENOID	
9	V836862459	1	BEARING BUSH	
10	V836662095	1	BEARING BUSH	

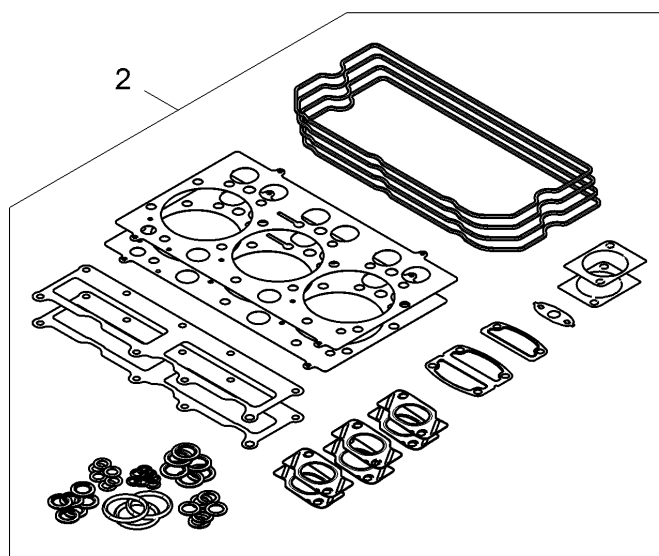
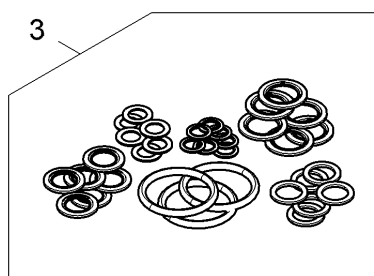
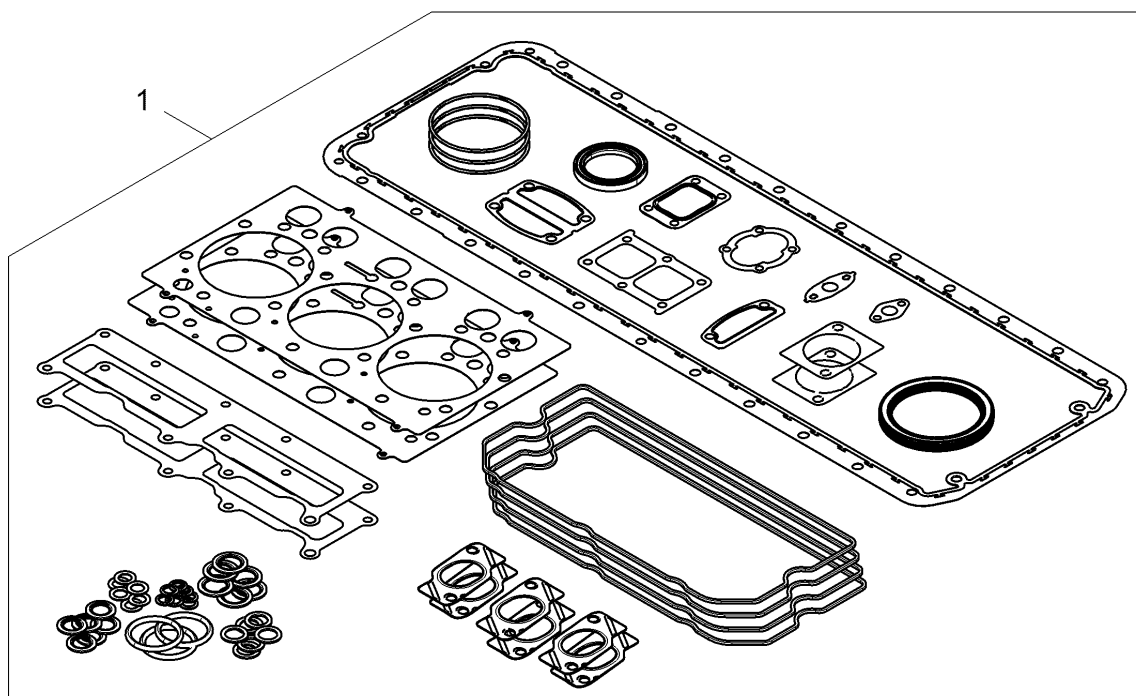


APG30E2940

AIR CONDITIONING COMPRESSOR

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836666743	1	AIR CONDITIONING COMPRESSOR	
2	V837074632	1	BRACKET	
3	ACX2607950	1	BRACKET	
4	V528801832	3	HEX CAP SCREW	
5	V500151052	5	WASHER	
6	V837070337	1	SPACER PIECE	
7	V510601002	3	NUT	
8	V581805002	3	HEX SOCKET SCREW	
9	V528801802	1	HEX CAP SCREW	
10	V528801402	1	HEX CAP SCREW	
11	V836138015	1	SPACER PIECE	
12	V529801542	2	HEX CAP SCREW	

Image is a representation of these items.
Actual items may vary.

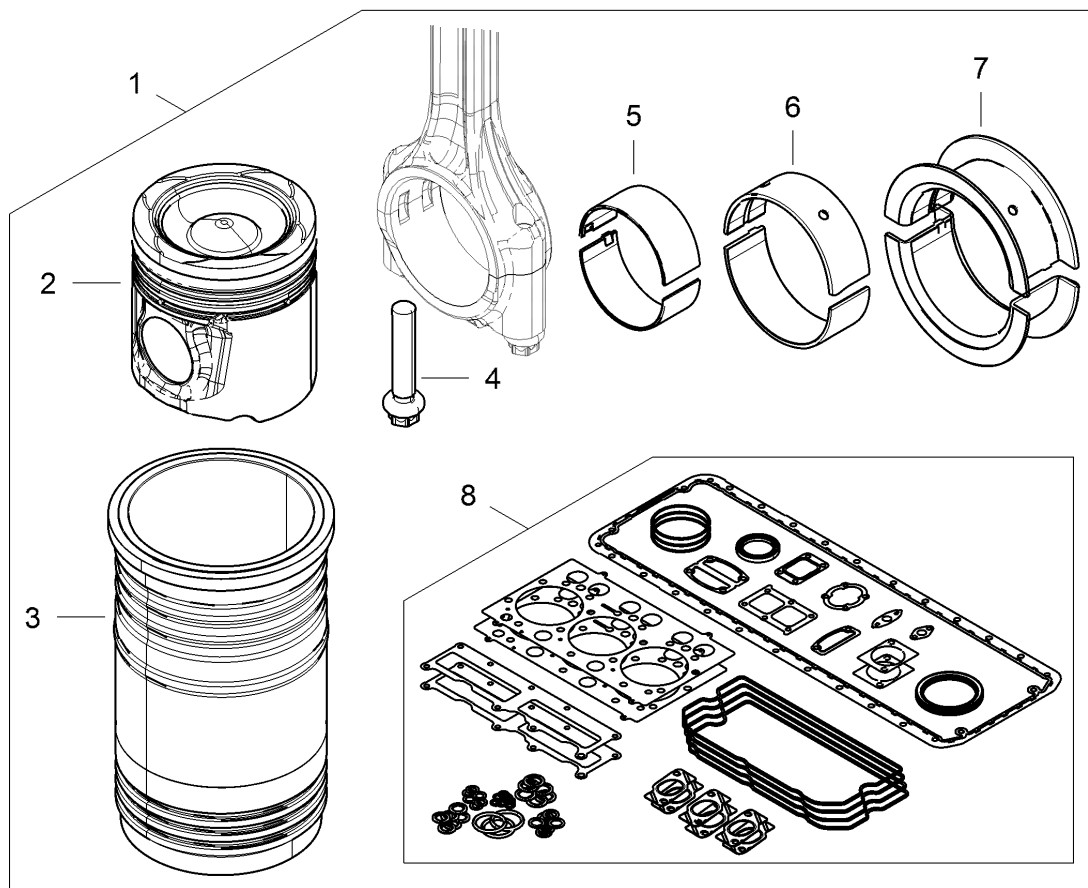


APG38D2985

ENGINE GASKET KITS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACP0438400	1	ENGINE GASKET KIT COMPLETE ENGINE GASKET KIT INCLUDES ITEMS 2-3	2
2	ACP0406660	1	ENGINE GASKET KIT CYLINDER HEAD GASKET KIT INCLUDES ITEM 3	1
3	ACP0407200	1	SEAL SET SEALING WASHER AND O-RING ASSORTMENT	

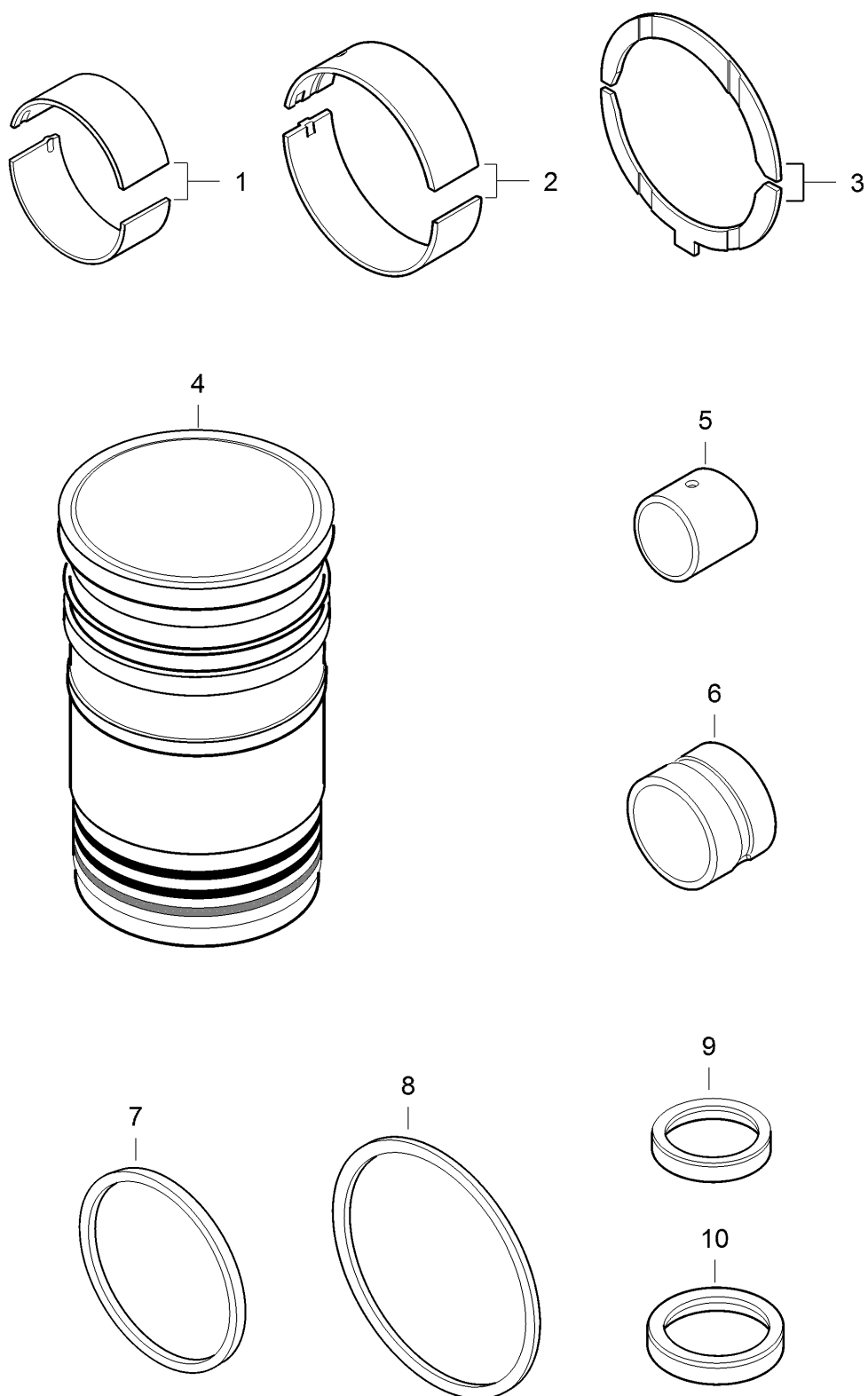
Image is a representation of these items.
Actual items may vary.



APG27F2809

ENGINE OVERHAUL PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	ACP0438420	1	ENGINE OVERHAUL KIT INCLUDES ITEMS 2-8	74 LFTN
2	V837086209	6	PISTON	
3	V836673191	6	LINER	D108 MM STD
4	V836864141	12	CONNECTING ROD BOLT	
5	V836179781	6	CONROD BEARING	STD
6	V836840944	6	MAIN BEARING	STD
7	V836879152	1	MAIN BEARING	STD
8	ACP0438400	1	ENGINE GASKET KIT COMPLETE ENGINE GASKET KIT	2



APG28E2909

SPECIAL OVERHAUL PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836179782		CONROD BEARING	+ 0.25 MM
	V836179783		CONROD BEARING	+ 0.50 MM
2	V836840978		MAIN BEARING	+ 0.25 MM
	V836840979		MAIN BEARING	+ 0.50 MM
3	V836840982		THRUST WASHER	+ 0.10 MM
	V836840983		THRUST WASHER	+ 0.20 MM
4	V836647933		LINER	FLANGE HEIGHT + 0.05 MM
	V836647934		LINER	FLANGE HEIGHT + 0.10 MM
	V836647935		LINER	FLANGE HEIGHT + 0.15 MM
5	V835328326		BEARING BUSH	+ 0.50 MM
6	V836866036		CAMSHAFT BEARING BUSH	+ 1.20 MM
7	V836873100		SPACER RING	+ 3.00 MM
8	V836020054		SPACER RING	+ 2.00 MM
9	V837070187		VALVE SEAT	4V EXHAUST + 0.20 MM
10	V837070188		VALVE SEAT	4V INTAKE + 0.20 MM

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BANJO BOLT	01-0023	CYLINDER HEAD, INCLUDES ITEMS	01-0012
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ACP0406660	01-0033	ACW4003730	01-0016	V519600602	01-0013
ACP0406680	01-0003	ACW4030090	01-0016	V521801000	01-0016
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