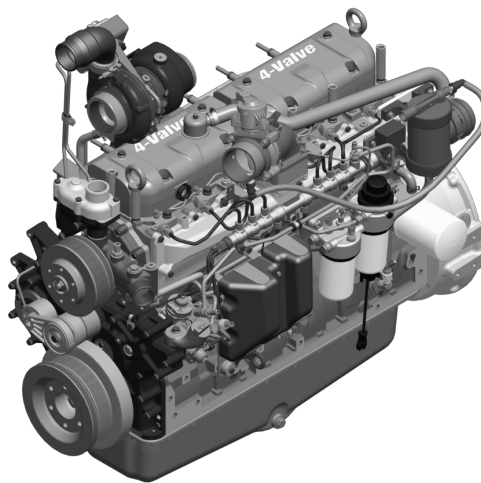




PARTS CATALOG



74 AWF

EMISSION STANDARD
TIER 4 FINAL

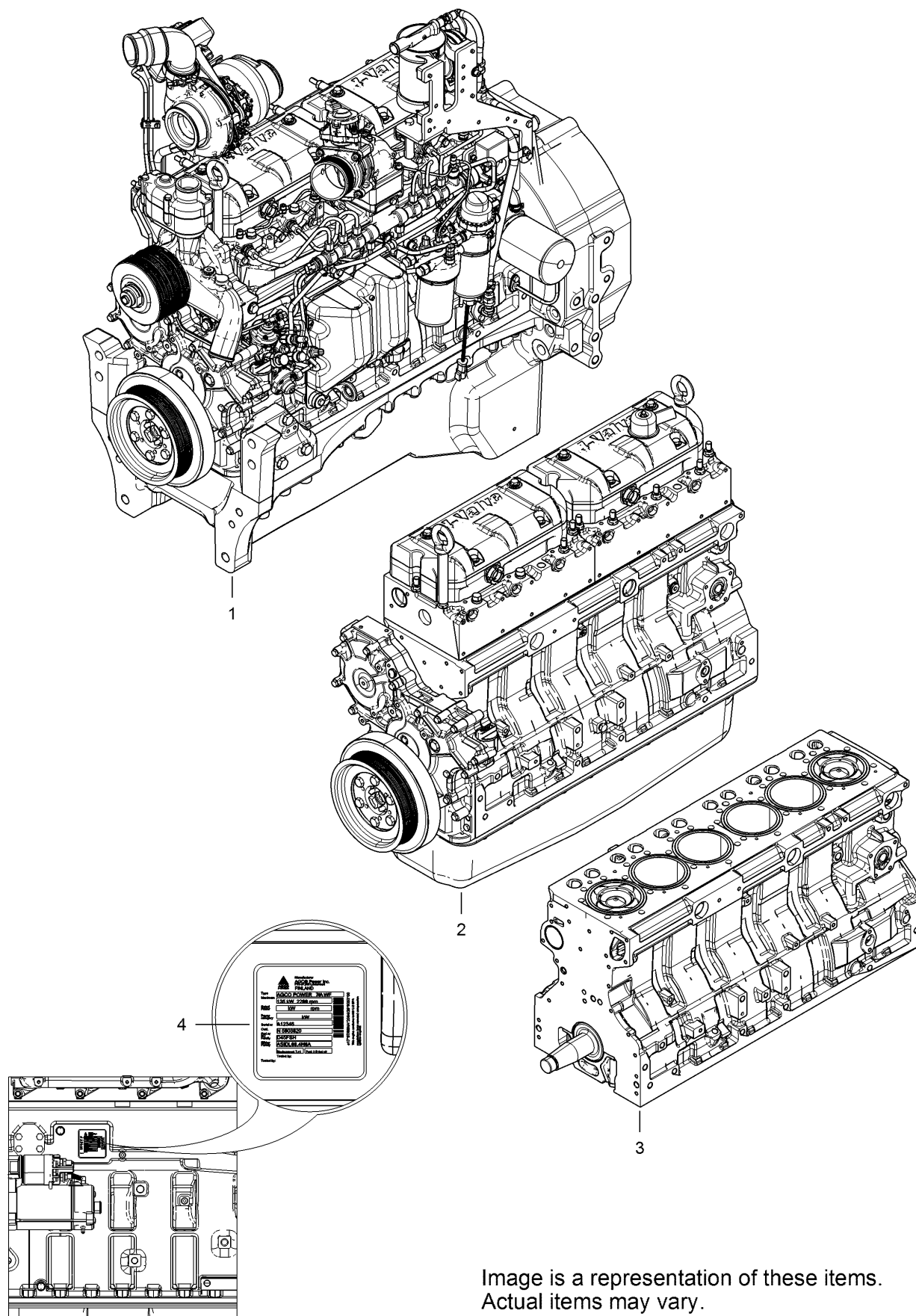


EBOM REVISION 77500 N-c
EBOM REVISION 77622 F-T
EBOM REVISION 77706 A-O

ENGINE, FUEL AND EXHAUST SYSTEM

01-000-TOC

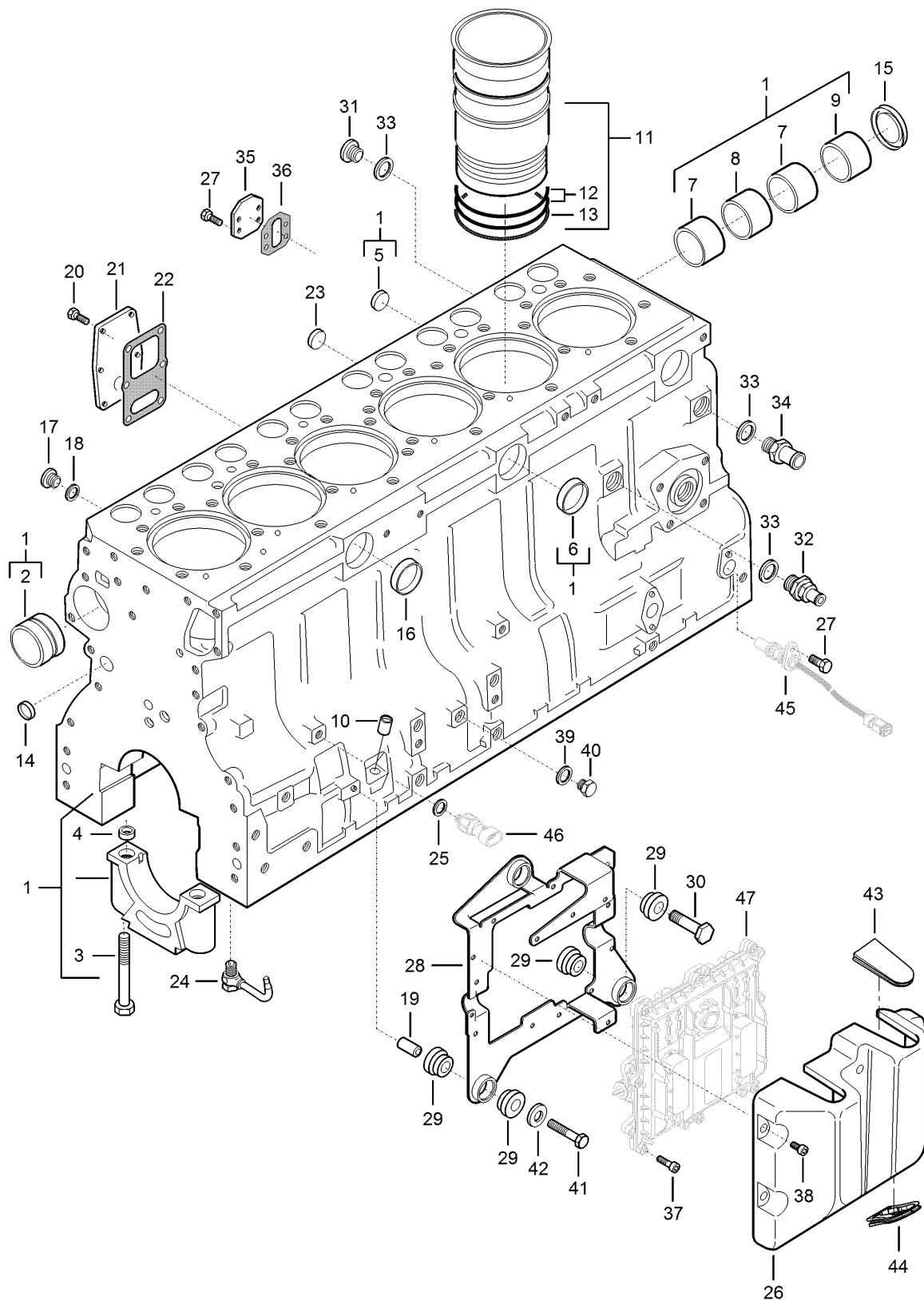
ENGINE ASSEMBLIES	01-0001
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EXHAUST AFTERTREATMENT	01-0026
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SPECIAL OVERHAUL PARTS	01-0028



ENGINE ASSEMBLIES

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V835077500	1	ENGINE 205/2100 (KW/RPM)	74 AWF
	V835077622	1	ENGINE 170/2100 (KW/RPM)	74 AWF
	V835077706	1	ENGINE 155/2100 (KW/RPM)	74 AWF
2	V865077500V	1	LONG BLOCK ENGINE	74 AWF
3	V865077500X	1	SHORT BLOCK ENGINE	74 AWF
4	V837079921		LABEL ENGINE TYPE PLATE	

AP1D1186

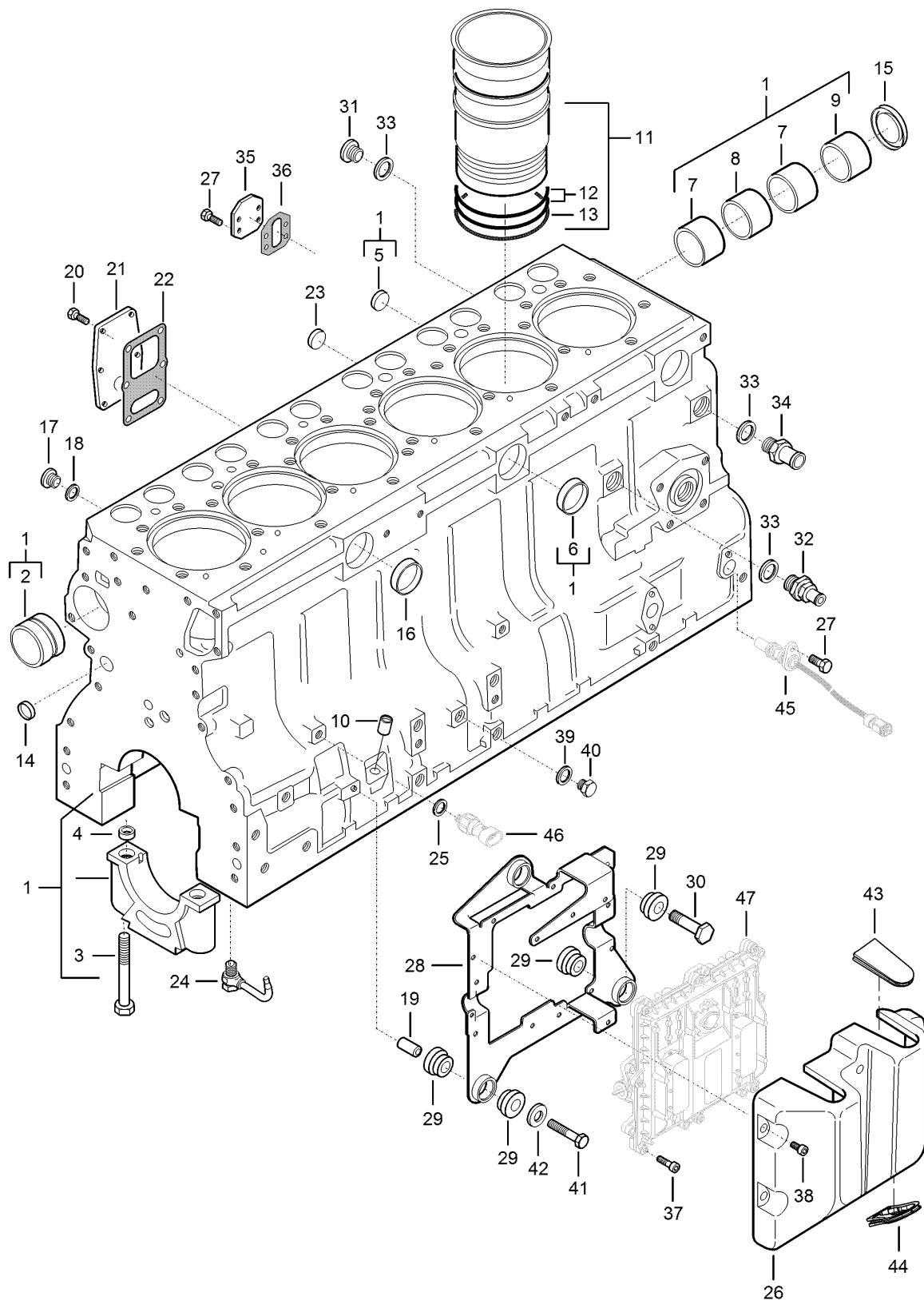


CYLINDER BLOCK - UP TO ENGINE SERIAL NUMBER C63990

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837084169	1	CYLINDER BLOCK	
2	V836866069	1	CAMSHAFT BEARING BUSH (1)	
3	V835329030	14	HEX CAP SCREW (1)	
4	V836214478	24	GUIDE SLEEVE (1)	
5	V640016018	1	PLUG (1)	
6	V640016040	1	PLUG (1)	
7	V836852460	2	CAMSHAFT BEARING BUSH (1)	
8	V836852459	1	CAMSHAFT BEARING BUSH (1)	
9	V836852461	1	CAMSHAFT BEARING BUSH (1)	
10	V837070393	1	SLEEVE	
11	V836673191	6	LINER	
12	V836647502	12	CYLINDER LINER O-RING (11) [B]	
13	V836647503	6	CYLINDER LINER O-RING (11) [B]	
14	V640016016	5	PLUG [B]	
15	V836852744	1	PLUG	
16	V640016040	2	PLUG	
17	V640325110	6	PLUG	
18	V615871014	6	SEALING WASHER [B]	
19	V836855626	2	SPACER	
20	V528801382	6	HEX CAP SCREW	
21	V836847994	1	FLANGE	
22	V836322852	1	GASKET [B]	
23	V640016018	2	PLUG	
24	V837074224	6	PISTON COOLING JET	
25	V615871016	1	SEALING WASHER [B]	
26	V837084080	1	COVER	
27	V528801362	5	HEX CAP SCREW	
28	V837084081	1	RETAINING PLATE	
29	V837084129	6	DAMPER	
30	V837069056	1	SCREW	
31	V640325018	1	PLUG	
32	V836664377	1	COCK	
33	V615881824	3	SEALING WASHER [B]	
34	V836119837	1	HOSE COUPLER [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

01-0002
ENGINE, FUEL AND EXHAUST SYSTEM

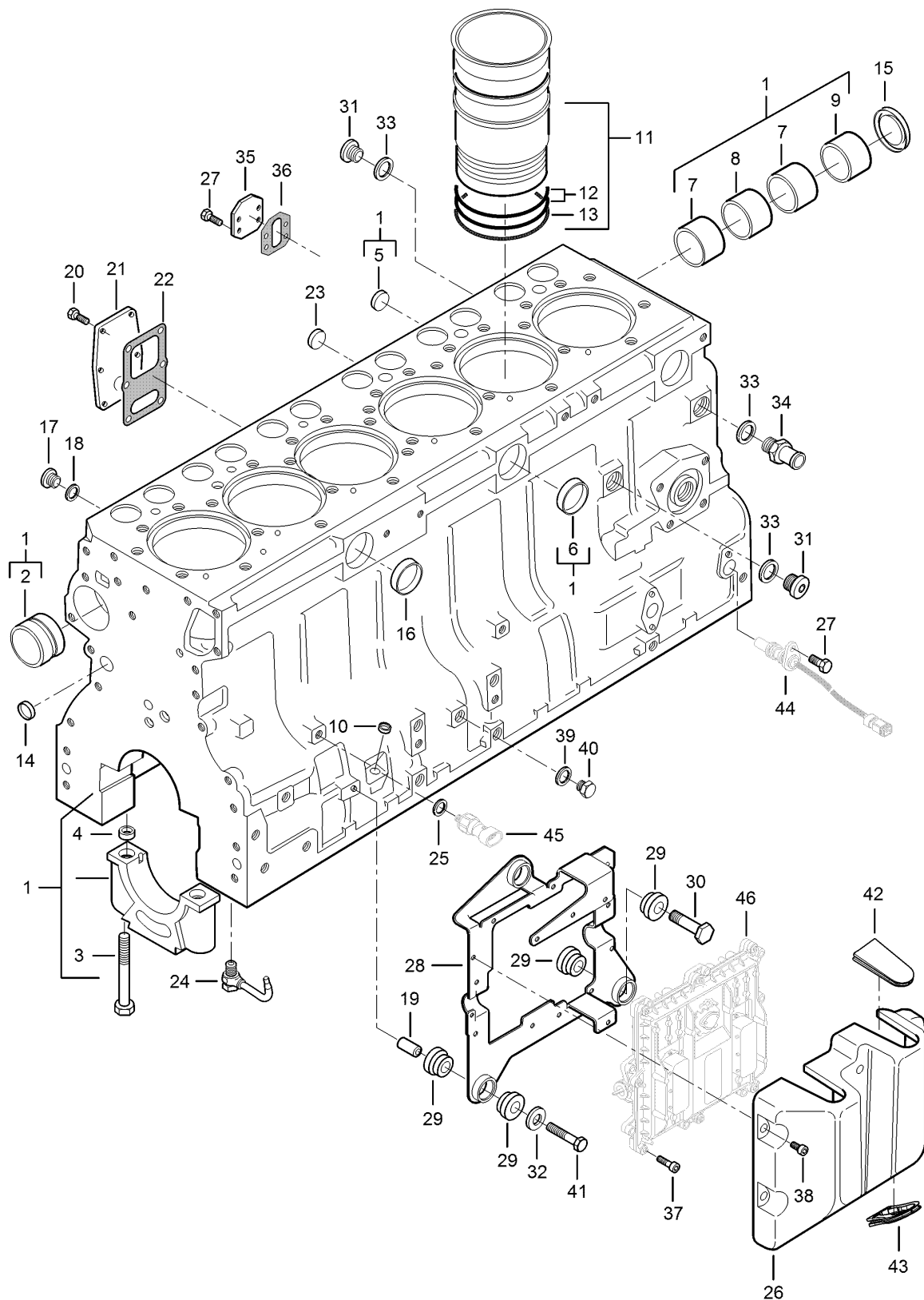
AP1D1186



CYLINDER BLOCK - UP TO ENGINE SERIAL NUMBER C63990

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
35	V836866957	1	COVER	
36	V836866958	1	GASKET [B]	
37	V581804222	8	HEX SOCKET SCREW	
38	V581804182	6	HEX SOCKET SCREW	
39	V615881216	1	SEALING WASHER [B]	
40	V640045112	1	PLUG	
41	V529801430	2	HEX CAP SCREW	
42	V500750842	2	WASHER	
43	V837084136	2	SHIELD	
44	V837084661	1	SHIELD	
45		1	SEE PAGE 01-0022	
46		1	SEE PAGE 01-0022	
47		1	SEE PAGE 01-0022	
[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2				

AP1E2395

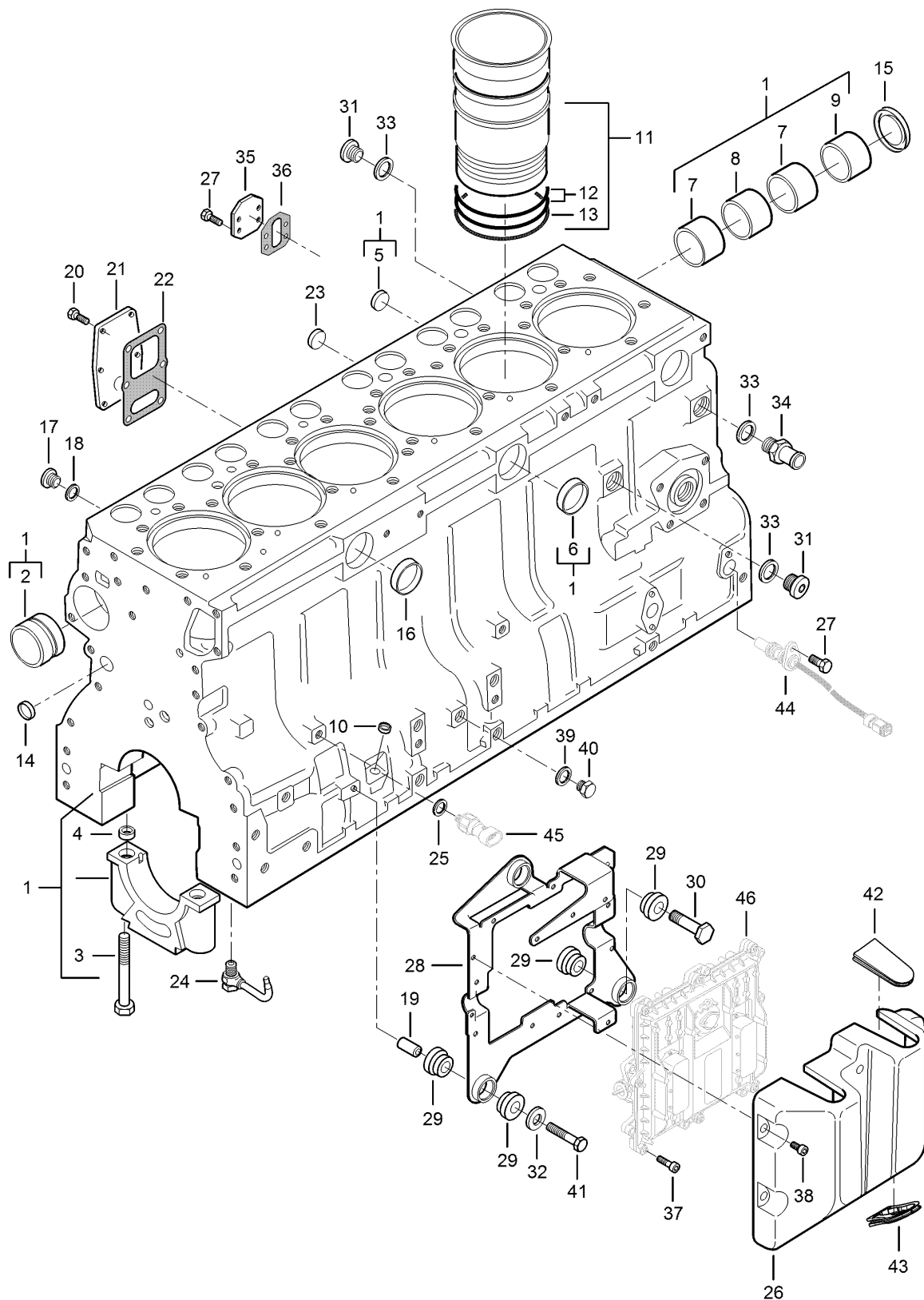


CYLINDER BLOCK - STARTING FROM ENGINE SERIAL NUMBER C63991

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837084169	1	CYLINDER BLOCK	
2	V836866069	1	CAMSHAFT BEARING BUSH (1)	
3	V835329030	14	HEX CAP SCREW (1)	
4	V836214478	24	GUIDE SLEEVE (1)	
5	V640016018	1	PLUG (1)	
6	V640016040	1	PLUG (1)	
7	V836852460	2	CAMSHAFT BEARING BUSH (1)	
8	V836852459	1	CAMSHAFT BEARING BUSH (1)	
9	V836852461	1	CAMSHAFT BEARING BUSH (1)	
10	V640016012	1	PLUG	
11	V836673191	6	LINER	
12	V836647502	12	CYLINDER LINER O-RING (11) [B]	
13	V836647503	6	CYLINDER LINER O-RING (11) [B]	
14	V640016016	4	PLUG [B]	
15	V836852744	1	PLUG	
16	V640016040	2	PLUG	
17	V640325110	6	PLUG	
18	V615871014	6	SEALING WASHER [B]	
19	V836855626	2	SPACER	
20	V528801382	6	HEX CAP SCREW	
21	V836847994	1	FLANGE	
22	V836322852	1	GASKET [B]	
23	V640016018	2	PLUG	
24	V837074224	6	PISTON COOLING JET	
25	V615871016	1	SEALING WASHER [B]	
26	V837084080	1	COVER	
27	V528801362	5	HEX CAP SCREW	
28	V837084081	1	RETAINING PLATE	
29	V837084129	6	DAMPER	
30	V837069056	1	SCREW	
31	V640325018	2	PLUG	
32	V500750842	2	WASHER	
33	V615881824	3	SEALING WASHER [B]	
34	V836119837	1	HOSE COUPLER [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

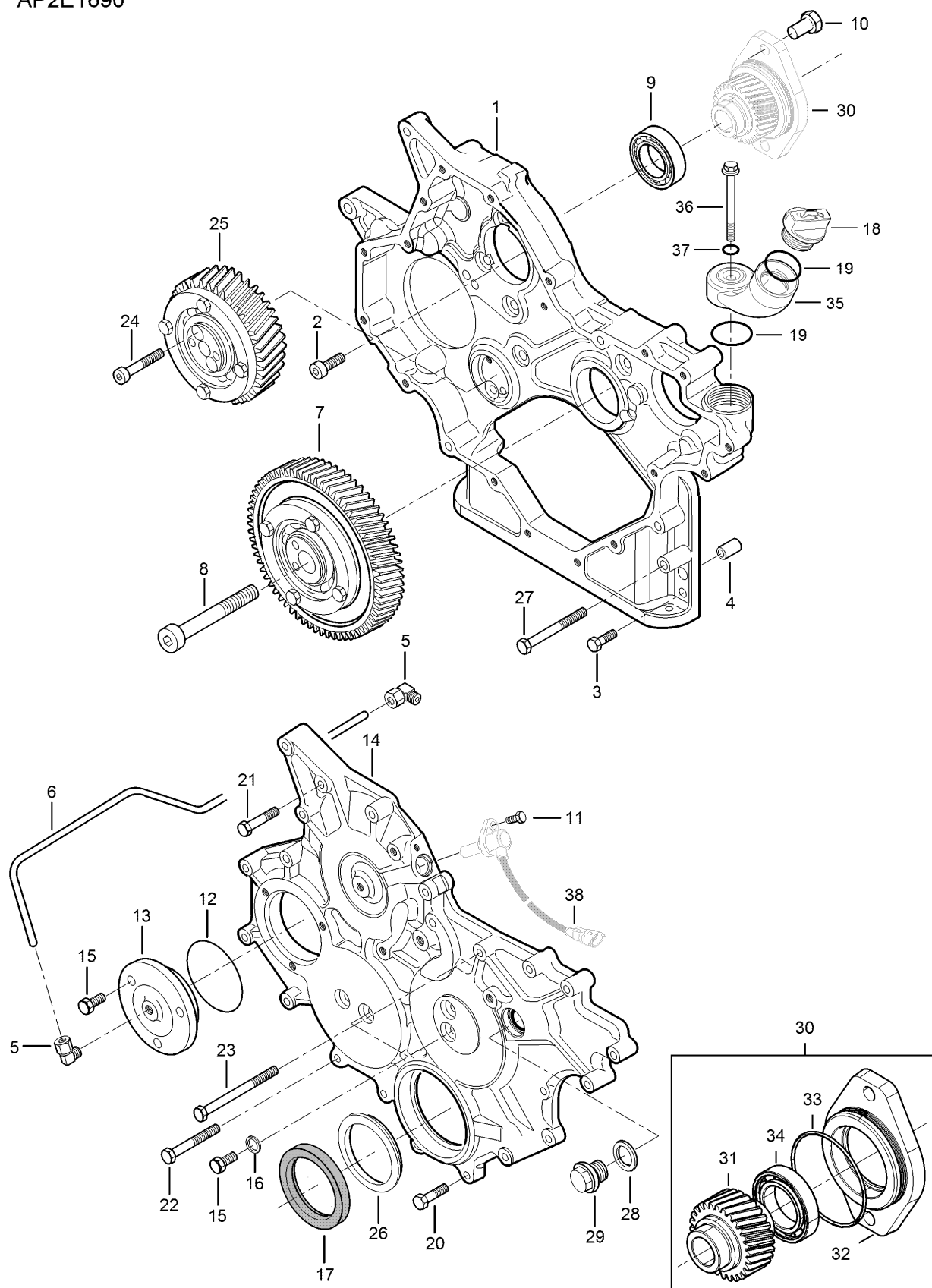
01-0003
ENGINE, FUEL AND EXHAUST SYSTEM

AP1E2395



ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
35	V836866957	1	COVER	
36	V836866958	1	GASKET [B]	
37	V581804222	8	HEX SOCKET SCREW	
38	V581804182	6	HEX SOCKET SCREW	
39	V615881216	1	SEALING WASHER [B]	
40	V640045112	1	PLUG	
41	V529801430	2	HEX CAP SCREW	
42	V837084136	2	SHIELD	
43	V837084661	1	SHIELD	
44		1	SEE PAGE 01-0022 SEE PAGE 01-0023	
45		1	SEE PAGE 01-0022 SEE PAGE 01-0023	
46		1	SEE PAGE 01-0022 SEE PAGE 01-0023	
[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2				

AP2E1690



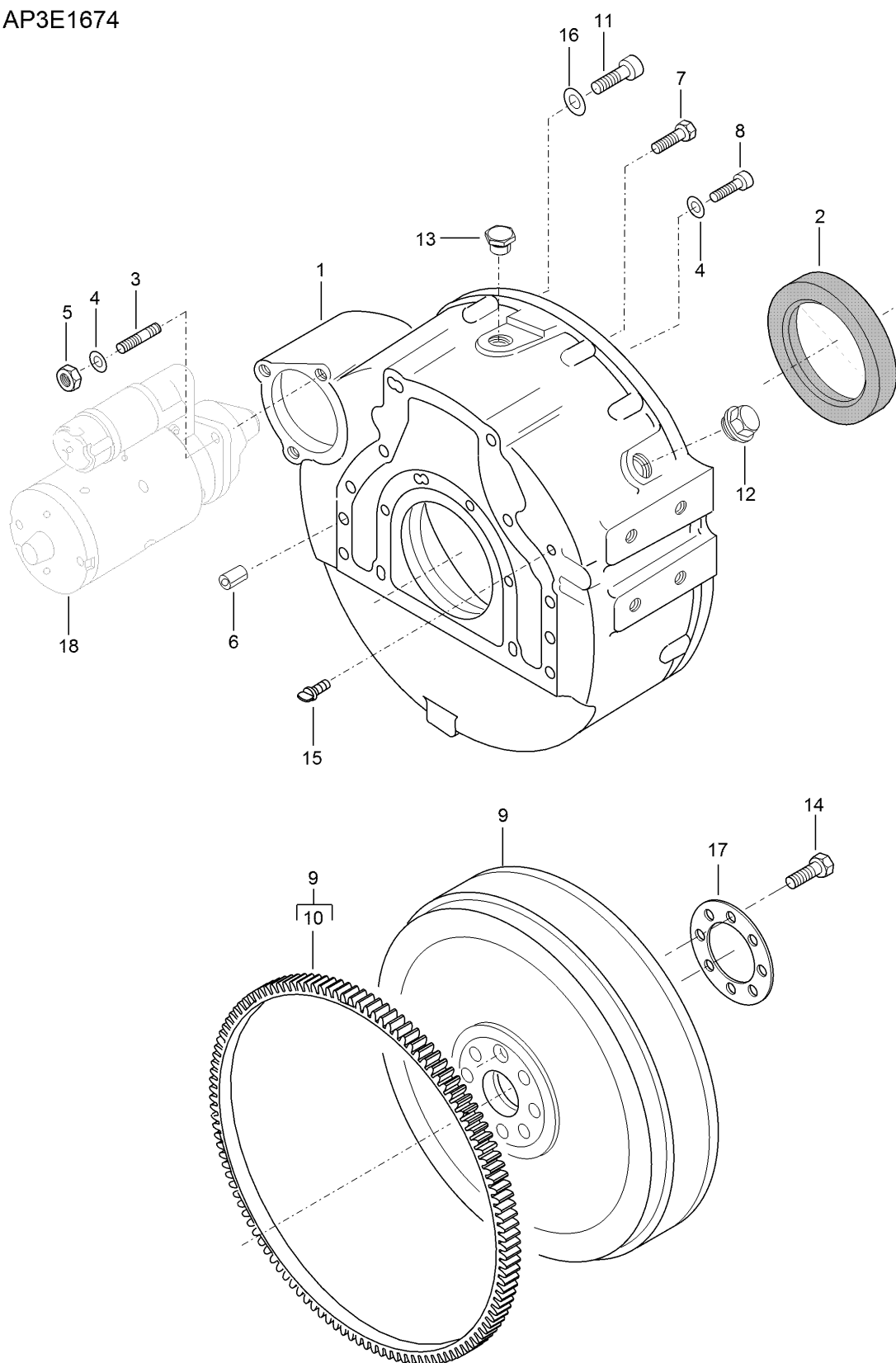
TIMING GEARS AND HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074712	1	TIMING GEAR CASE	
2	V581704600	10	HEX SOCKET SCREW	
3	V528801402	2	HEX CAP SCREW	
4	V598359850	2	PIN	
5	V641166006	2	ELBOW FITTING	
6	V836867775	1	OIL PIPE	
7	V837073583	1	IDLER GEAR	
8	V581705910	1	HEX SOCKET SCREW	
9	V610060096	1	BALL BEARING	
10	V528802602	2	HEX CAP SCREW	
11	V528801062	1	HEX CAP SCREW	
12	V614606825	1	O-RING [B]	
13	V837070179	1	COVER	
14	V837074714	1	GEAR HOUSING FRONT COVER	
15	V528801382	7	HEX CAP SCREW	
16	V615870814	4	SEALING WASHER [B]	
17	V836840883	1	CRANKSHAFT SEAL [B]	
18	V837081106	1	OIL FILLER CAP	
19	V614603540	2	O-RING [B]	
20	V528801410	5	HEX CAP SCREW	
21	V529801440	12	HEX CAP SCREW	
22	V529801510	2	HEX CAP SCREW	
23	V529801540	1	HEX CAP SCREW	
24	V580704670	2	HEX SOCKET SCREW	
25	V837073256	1	IDLER GEAR	
26	V836855636	1	SHIELD	
27	V529801470	1	HEX CAP SCREW	
28	V615882227	1	SEALING WASHER [B]	
29	V640045022	1	PLUG	
30	V837070137	1	DRIVE	
31	V837070005	1	HYDRAULIC PUMP GEAR WHEEL (30)	
32	V836855651	1	FLANGE (30)	
33	V614609430	1	O-RING (30) [B]	
34	V610060096	1	BALL BEARING (30)	
35	V837084014	1	ENGINE OIL FILL PIPE	
36	V540801910	1	SCREW	
37	V614901030	1	O-RING [B]	
38		1	SEE PAGE 01-0022 SEE PAGE 01-0023 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

01-0004

ENGINE, FUEL AND EXHAUST SYSTEM

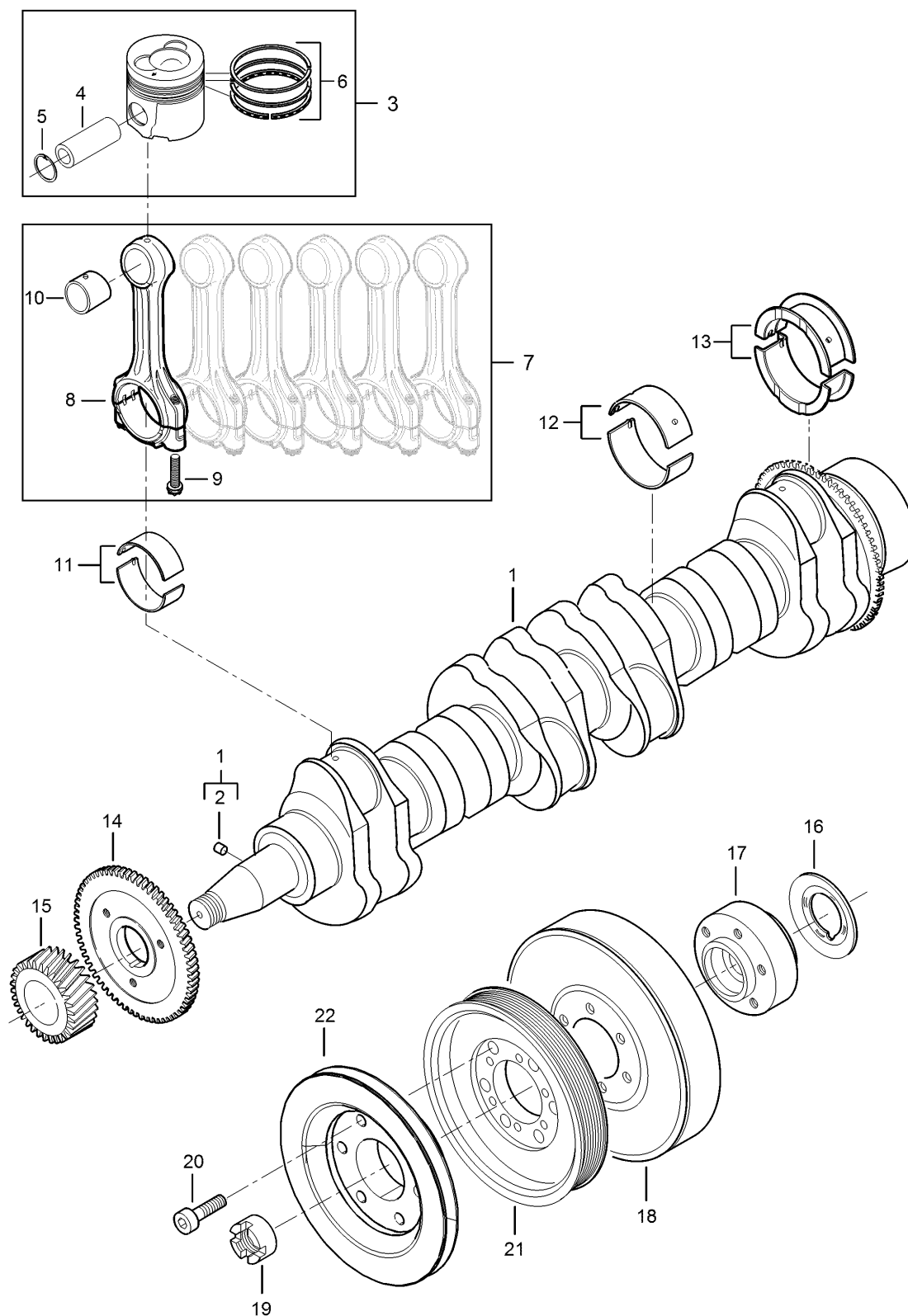
AP3E1674



FLYWHEEL AND HOUSING

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836647440	1	FLYWHEEL HOUSING	
2	V837091172	1	CRANKSHAFT SEAL [B]	
3	V546801815	3	STUD BOLT	
4	V500951000	6	SPRING WASHER	
5	V504601000	3	NUT	
6	V598359850	2	PIN	
7	V528702220	6	HEX CAP SCREW	
8	V581705030	6	HEX SOCKET SCREW	
9	V836655066	1	FLYWHEEL	
10	V836117970	1	STARTER RING (9)	
11	V581705440	2	HEX SOCKET SCREW	
12	V640045126	1	PLUG	
13	V836019756	1	PLUG	
14	V528702230	8	HEX CAP SCREW	
15	V836859311	1	PLUG	
16	V500951200	1	SPRING WASHER	
17	V836355864	1	RING	
18		1	SEE PAGE 01-0024 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

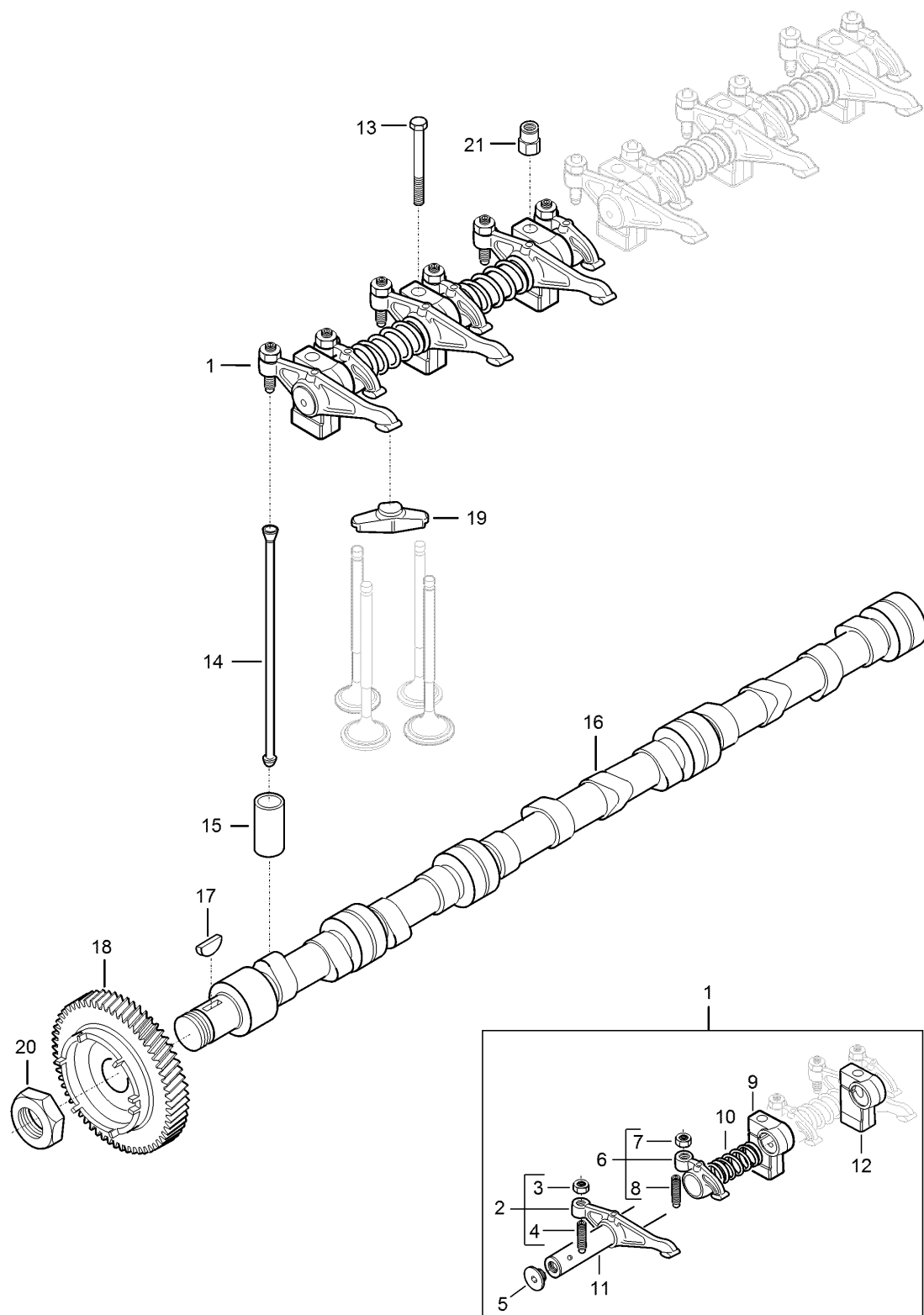
AP4E1677



CRANKSHAFT AND PISTONS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837073985	1	CRANKSHAFT	
2	V836867857	1	KEY (1)	
3	V837086209	6	PISTON	
4		6	NOT AVAILABLE AS SINGLE PART (3)	
5		12	NOT AVAILABLE AS SINGLE PART (3)	
6	V837079460	6	PISTON RING KIT (3)	
7	V836840928	1	CONNECTING ROD KIT	
8		6	NOT AVAILABLE AS SINGLE PART (7)	
9	V836864141	12	SCREW SPECIAL (7),(8)	
10	V836110646	6	BEARING BUSH (7),(8)	
11	V836179781	6	CONROD BEARING	
12	V836840944	6	MAIN BEARING	
13	V836879152	1	MAIN BEARING	
14	V836674069	1	GEAR,CRANKSHAFT	
15	V837073560	1	GEAR,CRANKSHAFT	
16	V836855637	1	RING	
17	V837073678	1	CRANKSHAFT HUB	
18	V836884615	1	CRANKSHAFT VIBRATION DAMPENER	
19	V836847641	1	CRANKSHAFT NUT	
20	V581705520	6	HEX SOCKET SCREW	
21	V836867660	1	CRANKSHAFT PULLEY	
22	V837070294	1	CRANKSHAFT V-BELT PULLEY	

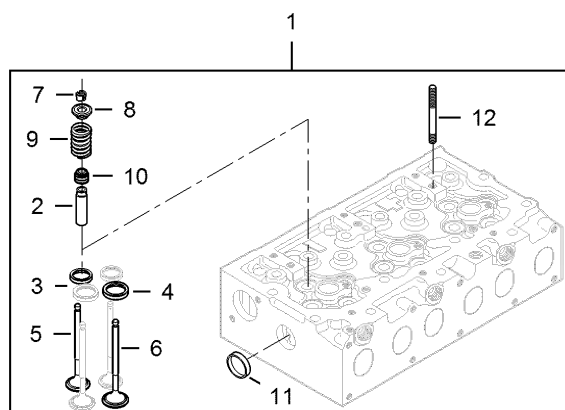
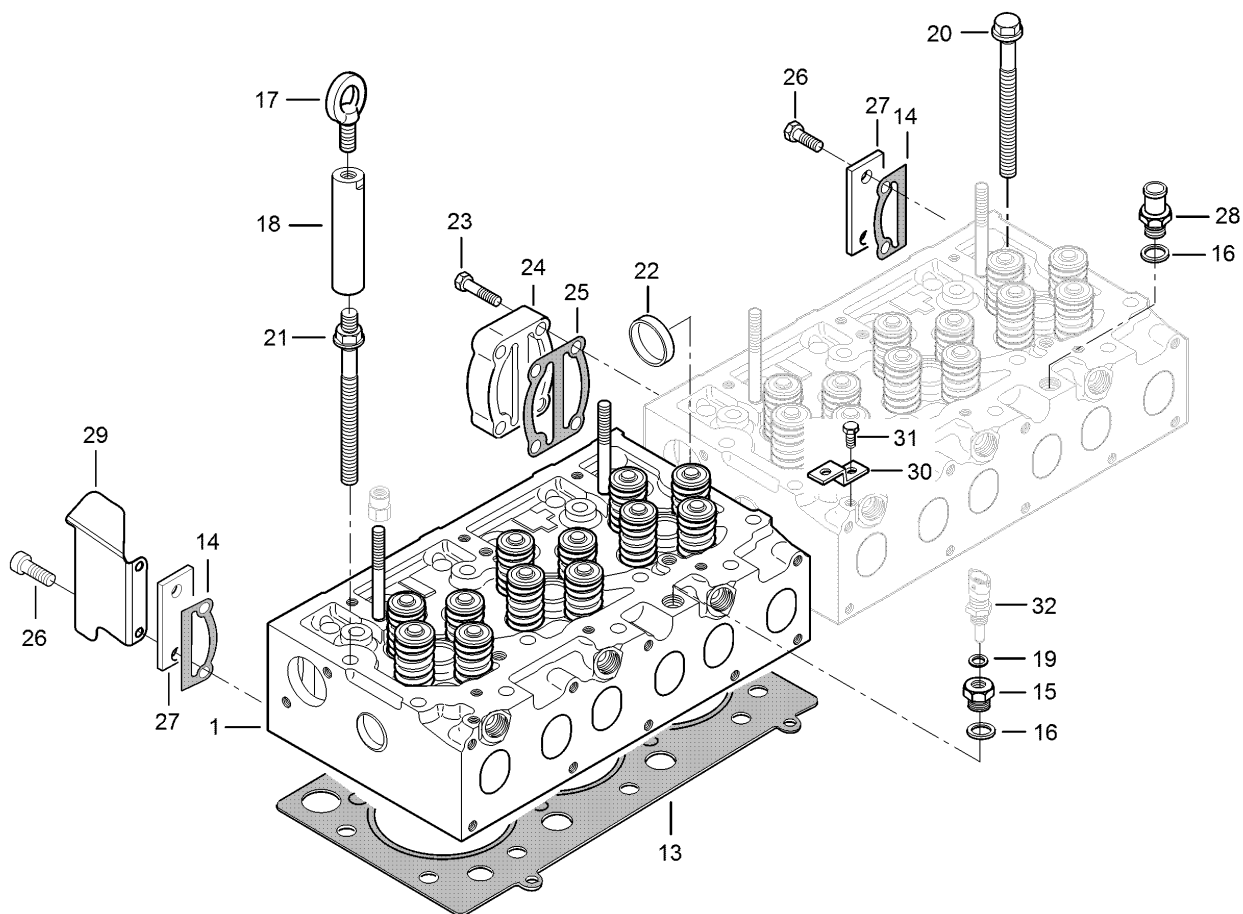
AP5E1940



CAMSHAFT AND VALVE MECHANISM

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837069016	2	ROCKER SHAFT ASM	
2	V837069011	6	ROCKER ARM (1)	
3	V512861000	6	NUT (1),(2)	
4	V837069023	6	VALVE ROCKER ADJUSTMENT SCREW (1),(2)	
5	V837069020	4	PLUG (1)	
6	V837069013	6	ROCKER ARM (1)	
7	V512861000	6	NUT (1),(6)	
8	V837069023	6	VALVE ROCKER ADJUSTMENT SCREW (1),(6)	
9	V837069017	4	ROCKER SHAFT BRACKET (1)	
10	V837069019	4	SPRING (1)	
11	V837069015	2	SHAFT (1)	
12	V837069018	2	ROCKER SHAFT BRACKET (1)	
13	V529801910	2	HEX CAP SCREW	
14	V837084417	12	PUSH ROD	
15	V836014264	12	TAPPET	
16	V837069101	1	CAMSHAFT	
17	V603305760	1	WOODRUFF KEY	
18	V837073562	1	GEAR,CAMSHAFT	
19	V837073089	12	VALVE BRIDGE	
20	V837069085	1	NUT	
21	V836655406	4	NUT	

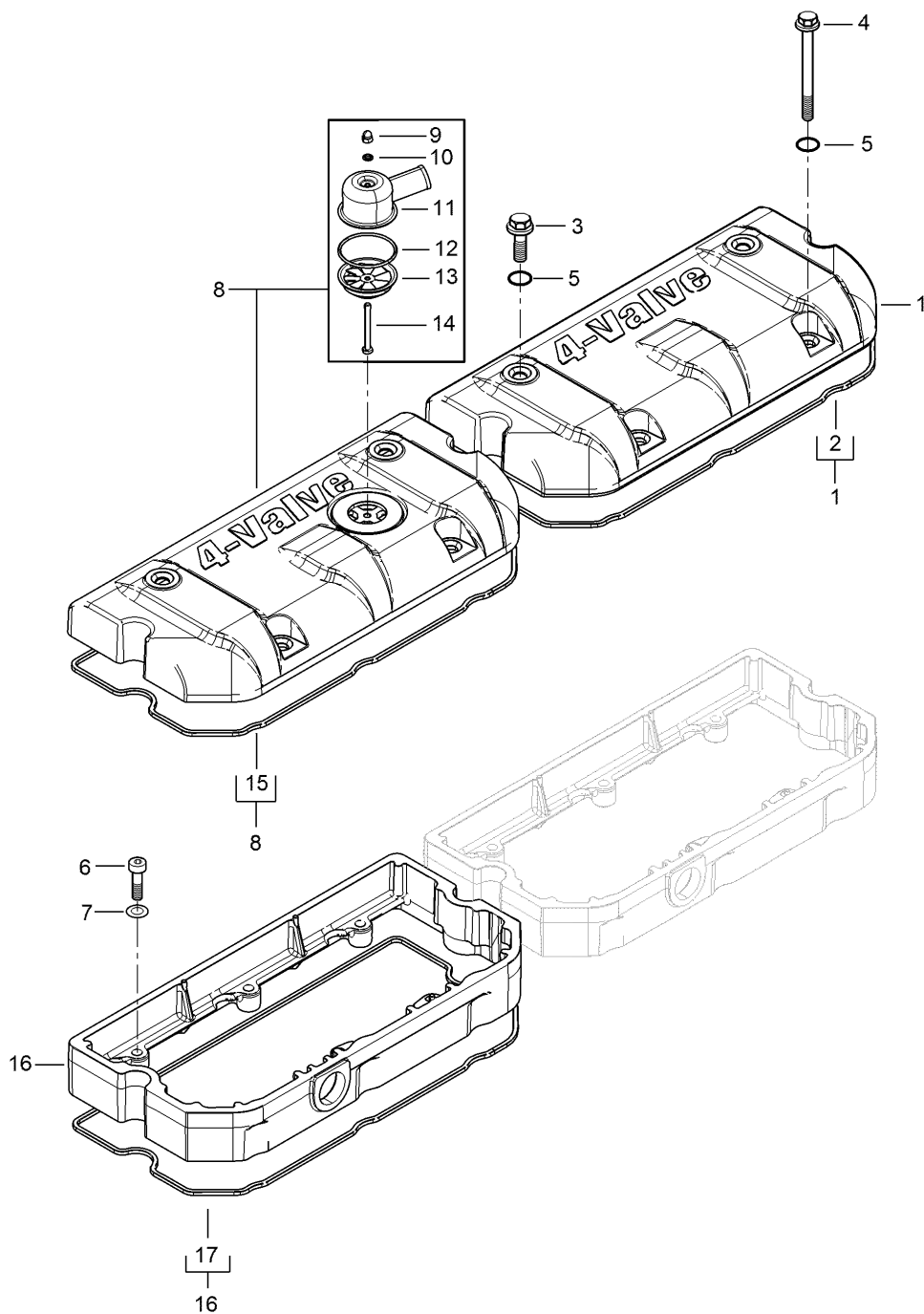
AP6E2242



CYLINDER HEAD

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837073233	2	CYLINDER HEAD	
2	V837073174	24	VALVE GUIDE (1)	
3	V837064907	12	VALVE SEAT (1)	
4	V837064908	12	VALVE SEAT (1)	
5	V837069002	12	EXHAUST VALVE (1)	
6	V837069003	12	INTAKE VALVE (1)	
7	V837064910	48	COTTER (1)	
8	V837069004	24	SPRING PLATE (1)	
9	V837069005	24	VALVE SPRING (1)	
10	V837073165	24	VALVE STEM GASKET (1) [A]	
11	V836647942	8	PLUG (1)	
12	V546801900	4	STUD BOLT (1)	
13	V837084523	2	CYLINDER HEAD GASKET [A]	
14	V836867753	2	GASKET [A]	
15	V836119643	1	THREADED NIPPLE	
16	V615881822	2	SEALING WASHER [A]	
17	V836640752	2	LIFT EYE	
18	V836867567	6	LIFTING EYE EXTENSION	
19	V615881420	1	SEALING WASHER [A]	
20	V837069025	27	CYLINDER HEAD BOLT	
21	V837073571	7	CYLINDER HEAD BOLT	
22	V640016045	1	PLUG	
23	V528801820	4	HEX CAP SCREW	
24	V836855348	1	JOINT PIECE	
25	V836867752	1	GASKET [A]	
26	V528801800	4	HEX CAP SCREW	
27	V836855350	2	COVER	
28	V836119837	1	HOSE COUPLER	
29	V836759450	1	HEATSHIELD	
30	V836747849	1	SUPPORT	
31	V528801360	1	HEX CAP SCREW	
32		1	SEE PAGE 01-0022 SEE PAGE 01-0023 [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	

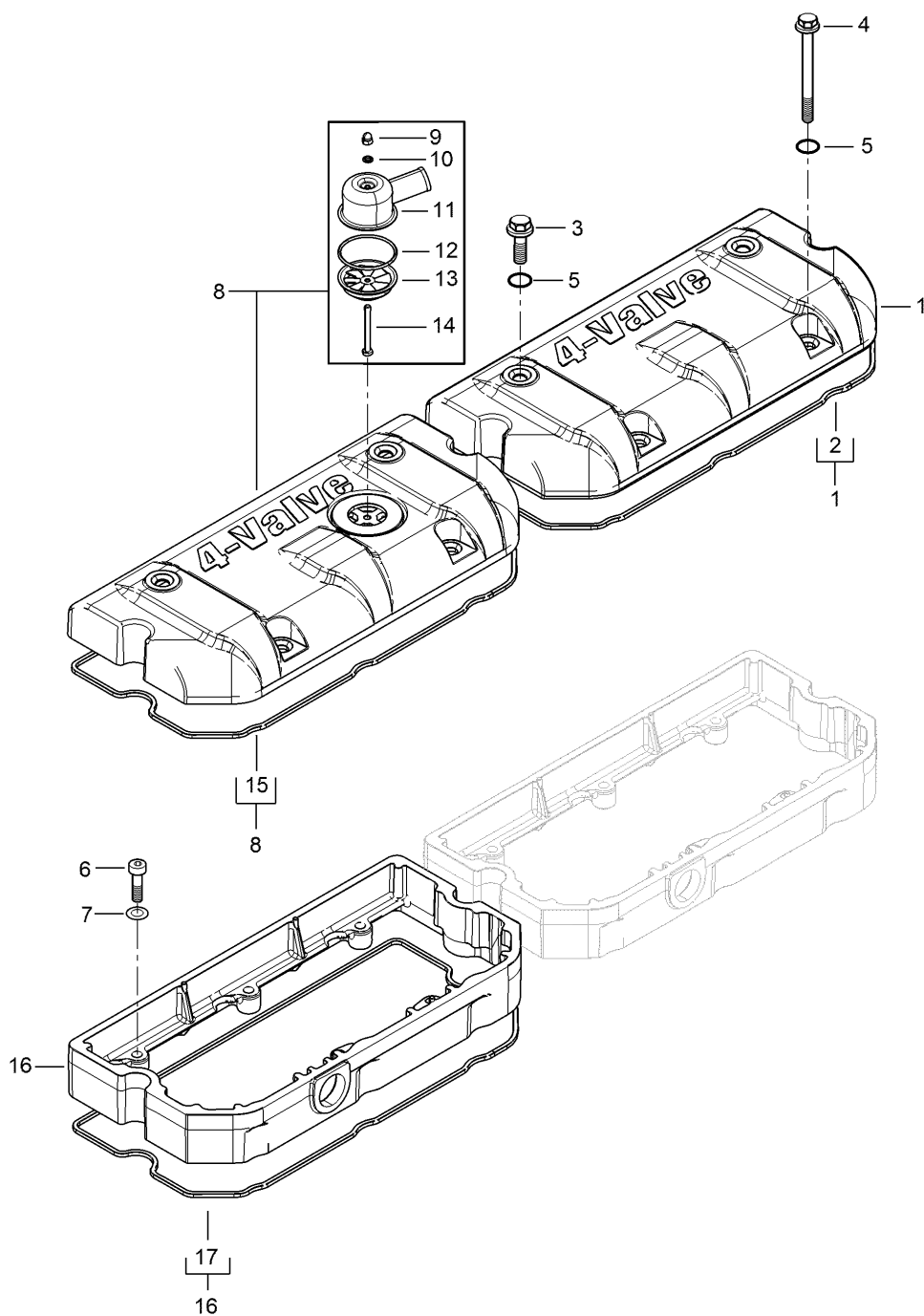
AP35E2396



VALVE ROCKER COVER - UP TO ENGINE SERIAL NUMBER B65449

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837084117	1	VALVE ROCKER COVER	
2	V837067881	1	VALVE ROCKER COVER GASKET (1) [A]	
3	V540801780	4	HEX CAP SCREW	
4	V540801910	4	SCREW	
5	V614901030	8	O-RING [A]	
6	V581804630	6	HEX SOCKET SCREW	
7	V500950800	6	SPRING WASHER	
8	V837084221	1	VALVE ROCKER COVER	
9	V519600602	1	NUT (8)	
10	V836667508	1	SEALING WASHER (8)	
11	V837070442	1	BREATHER (8)	
12	V836667459	1	GASKET (8)	
13	V837070443	1	BREATHER (8)	
14	V528801172	1	HEX CAP SCREW (8)	
15	V837067881	1	VALVE ROCKER COVER GASKET (8) [A]	
16	V837084220	2	VALVE ROCKER COVER FRAME	
17	V837067881	2	VALVE ROCKER COVER GASKET (16) [A] [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	

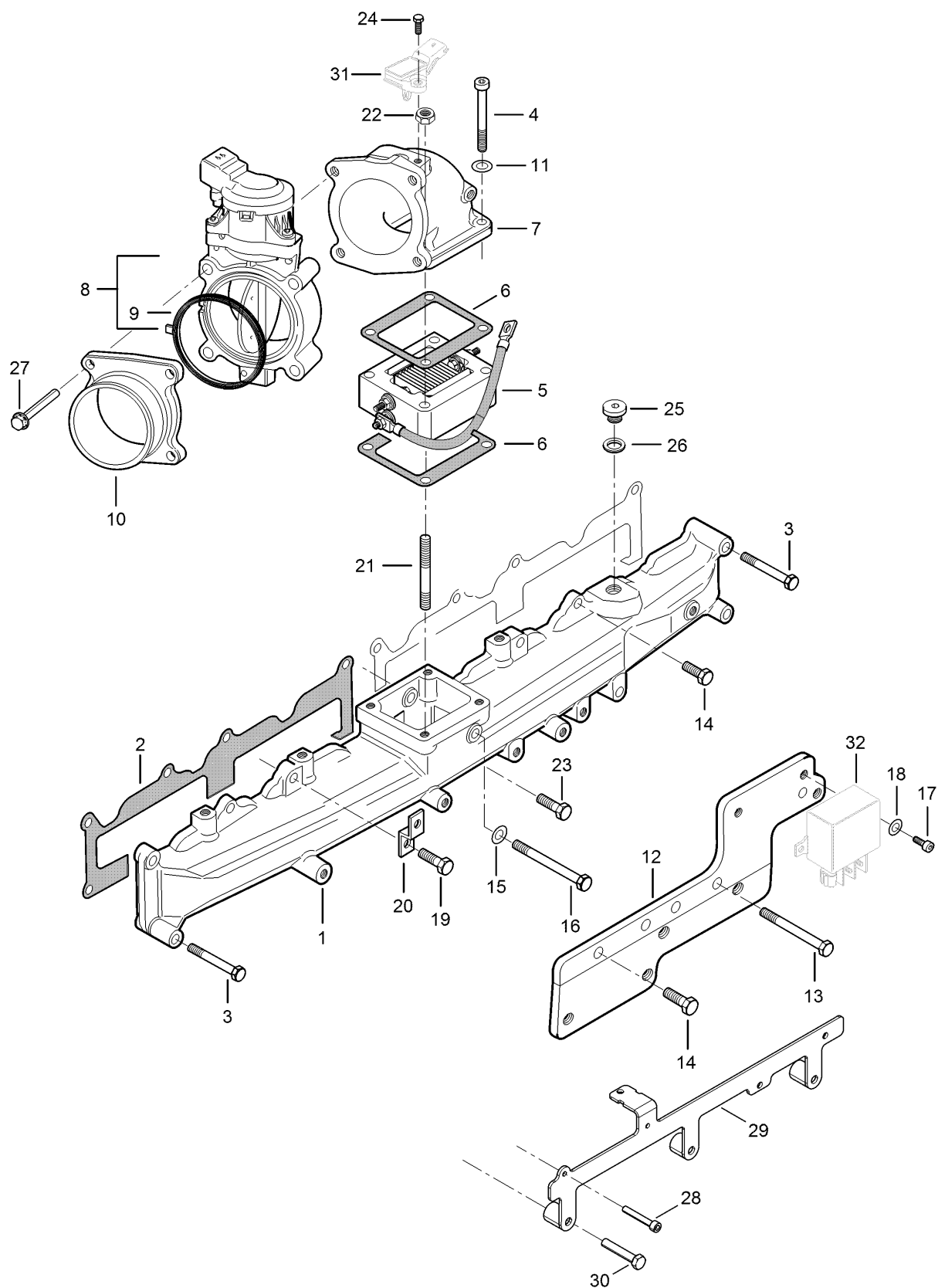
AP35E2396



VALVE ROCKER COVER - STARTING FROM ENGINE SERIAL NUMBER B65450

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837084117	1	VALVE ROCKER COVER	
2	V837067881	1	VALVE ROCKER COVER GASKET (1) [A]	
3	V540801780	4	HEX CAP SCREW	
4	V540801910	4	SCREW	
5	V614901030	8	O-RING [A]	
6	V581804630	6	HEX SOCKET SCREW	
7	V500950800	6	SPRING WASHER	
8	V837086137	1	VALVE ROCKER COVER	
9	V519600602	1	NUT (8)	
10	V836684766	1	SEALING WASHER (8)	
11	V837070442	1	BREATHER (8)	
12	V614605930	1	O-RING (8)	
13	V837070443	1	BREATHER (8)	
14	V528801172	1	HEX CAP SCREW (8)	
15	V837067881	1	VALVE ROCKER COVER GASKET (8) [A]	
16	V837084220	2	VALVE ROCKER COVER FRAME	
17	V837067881	2	VALVE ROCKER COVER GASKET (16) [A] [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	

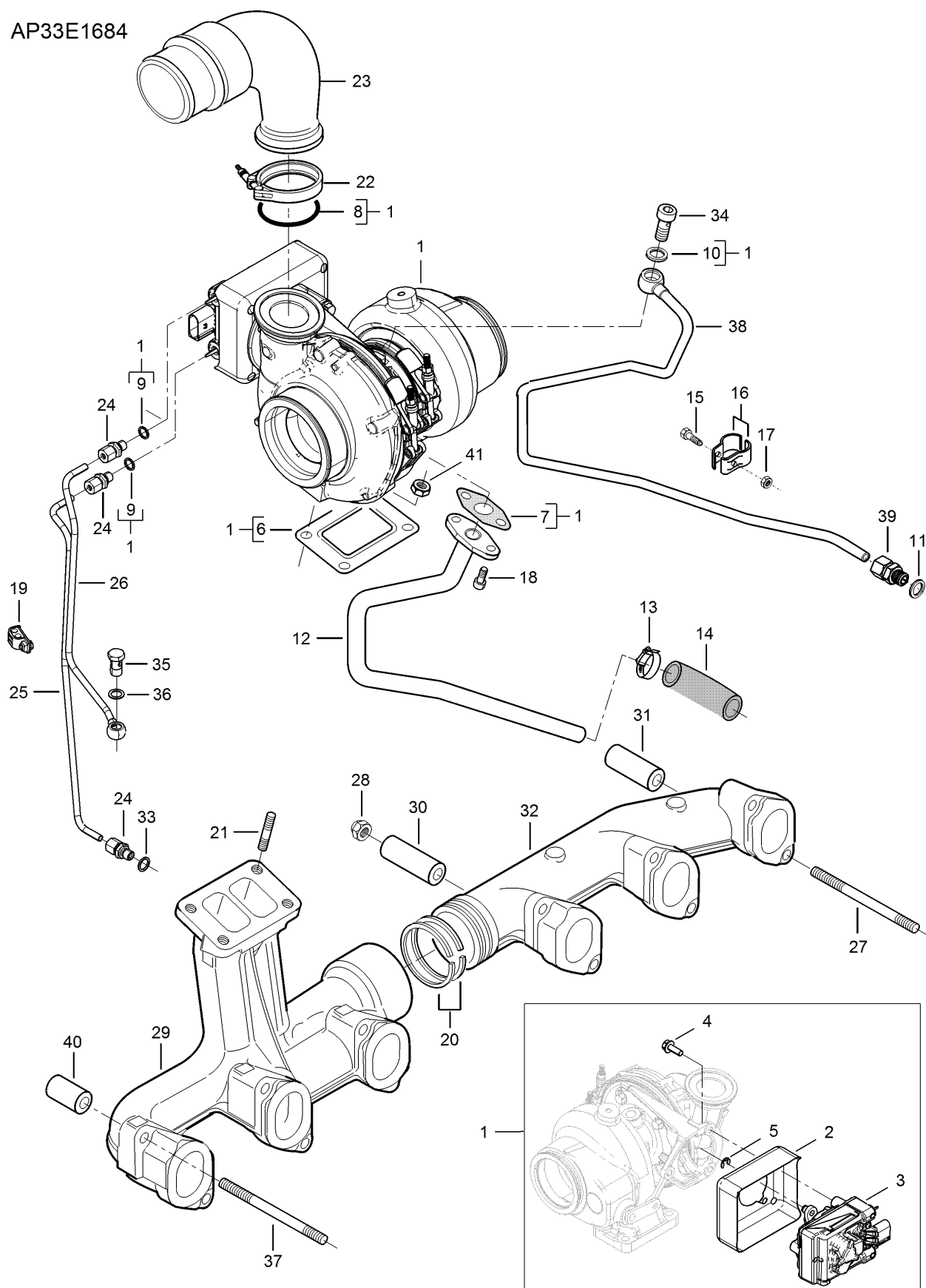
AP7D2374



INTAKE MANIFOLD

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837070219	1	INTAKE MANIFOLD	
2	V837069009	2	INTAKE MANIFOLD GASKET [A]	
3	V529801470	3	HEX CAP SCREW	
4	V581804702	3	HEX SOCKET SCREW	
5	V837067296	1	INTAKE AIR PREHEATER	
6	V837067345	2	GASKET [A]	
7	V837084350	1	AIR PIPE	
8	V837084452	1	THROTTLE FLAP	
9	V837079849	2	GASKET (8) [A]	
10	V837084455	1	AIR PIPE	
11	V500150842	4	WASHER	
12	V837084111	1	FUEL FILTER BRACKET	
13	V529801530	2	HEX CAP SCREW	
14	V528801402	4	HEX CAP SCREW	
15	V836015967	1	SEALING WASHER [A]	
16	V529801550	1	HEX CAP SCREW	
17	V581804182	2	HEX SOCKET SCREW	
18	V500050642	2	WASHER	
19	V528801422	1	HEX CAP SCREW	
20	V836747849	1	SUPPORT	
21	V546801492	1	STUD BOLT	
22	V504800800	1	NUT	
23	V528801410	8	HEX CAP SCREW	
24	V528801062	1	HEX CAP SCREW	
25	V640325014	1	PLUG	
26	V615881420	1	SEALING WASHER [A]	
27	V540801490	4	HEX CAP SCREW	
28	V581804252	2	HEX SOCKET SCREW	
29	V837086366	1	BRACKET	
30	V529801440	3	HEX CAP SCREW	
31		1	SEE PAGE 01-0022 SEE PAGE 01-0023	
32		1	SEE PAGE 01-0022 SEE PAGE 01-0023 [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	

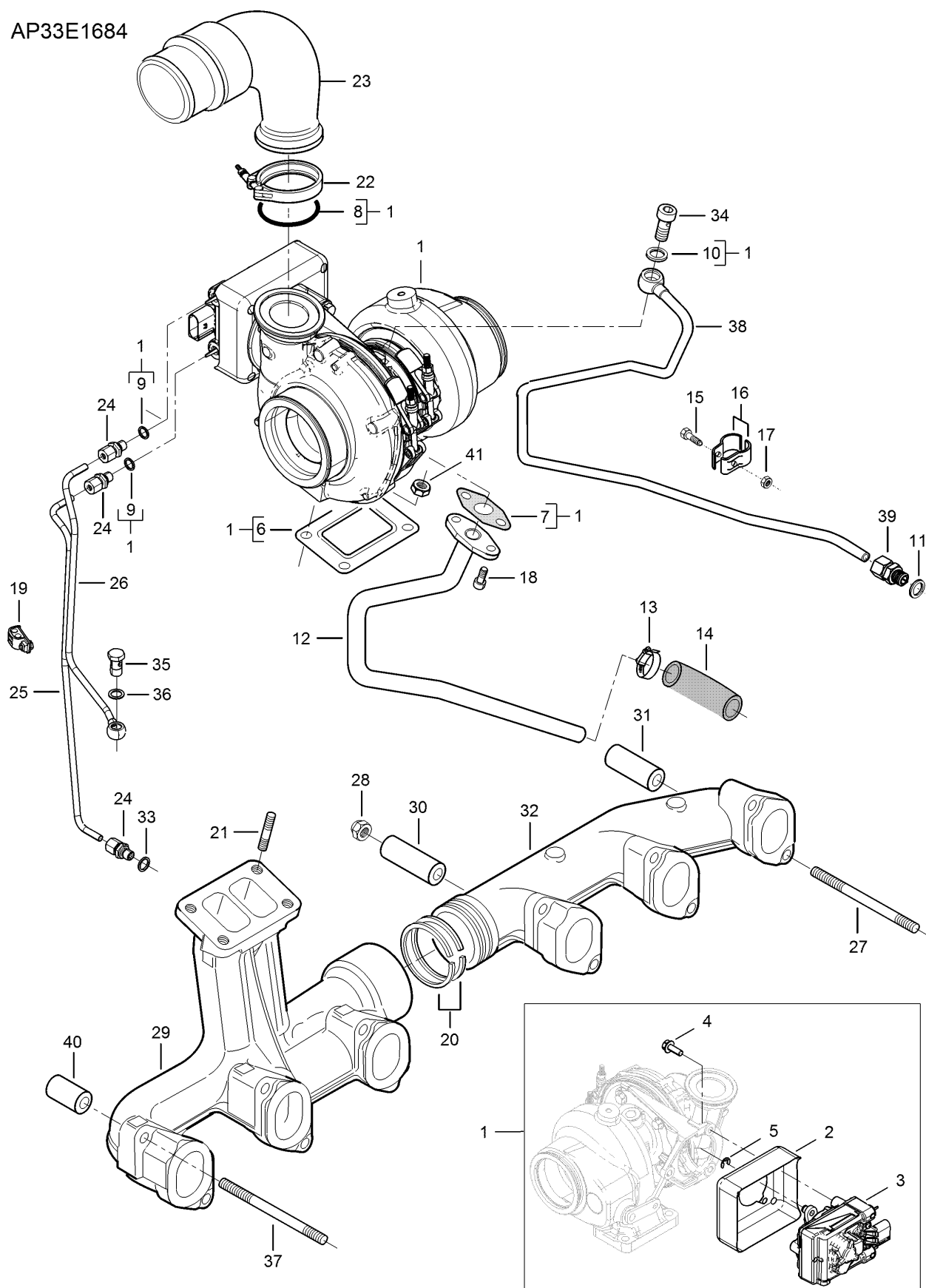
AP33E1684



TURBOCHARGER AND EXHAUST MANIFOLD

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837079854	1	KIT, TURBOCHARGR	
2	V837091123	1	HEATSHIELD (1)	
3	V837091110	1	ACTUATOR (1)	
4	V837091127	3	SCREW (1)	
5	V837079945	1	LOCK RING (1)	
6	V836316726	1	GASKET (1) [A]	
7	V837084638	1	GASKET (1) [A]	
8	V614606225	1	O-RING (1) [A]	
9	V615881218	2	SEALING WASHER (1) [A]	
10	V615881420	2	SEALING WASHER (1) [A]	
11	V615881620	1	SEALING WASHER [A]	
12	V837086193	1	TURBOCHARGER LUBRICATION OIL PIPE	
13	V602087528	2	HOSE CLIP	
14	V836647576	1	RUBBER ELBOW	
15	V529801112	2	HEX CAP SCREW	
16	V836773645	4	BAND	
17	V504600602	2	NUT	
18	V581804602	2	HEX SOCKET SCREW	
19	V837073721	1	BAND	
20	V837073503	2	SEALING WASHER [A]	
21	V546701800	4	STUD BOLT	
22	V836866454	1	CLAMP	
23	V836866381	1	AIR PIPE	
24	V641086008	3	STRAIGHT FITTING	
25	V837084261	1	WATER PIPE	
26	V837084260	1	WATER PIPE	
27	V836667960	11	STUD BOLT	
28	V513601002	12	NUT	
29	V837074950	1	EXHAUST MANIFOLD	
30	V836673013	10	SPACER PIECE	
31	V836664013	1	SPACER PIECE	
32	V837073912	1	EXHAUST MANIFOLD	
33	V615881216	1	SEALING WASHER [A]	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	

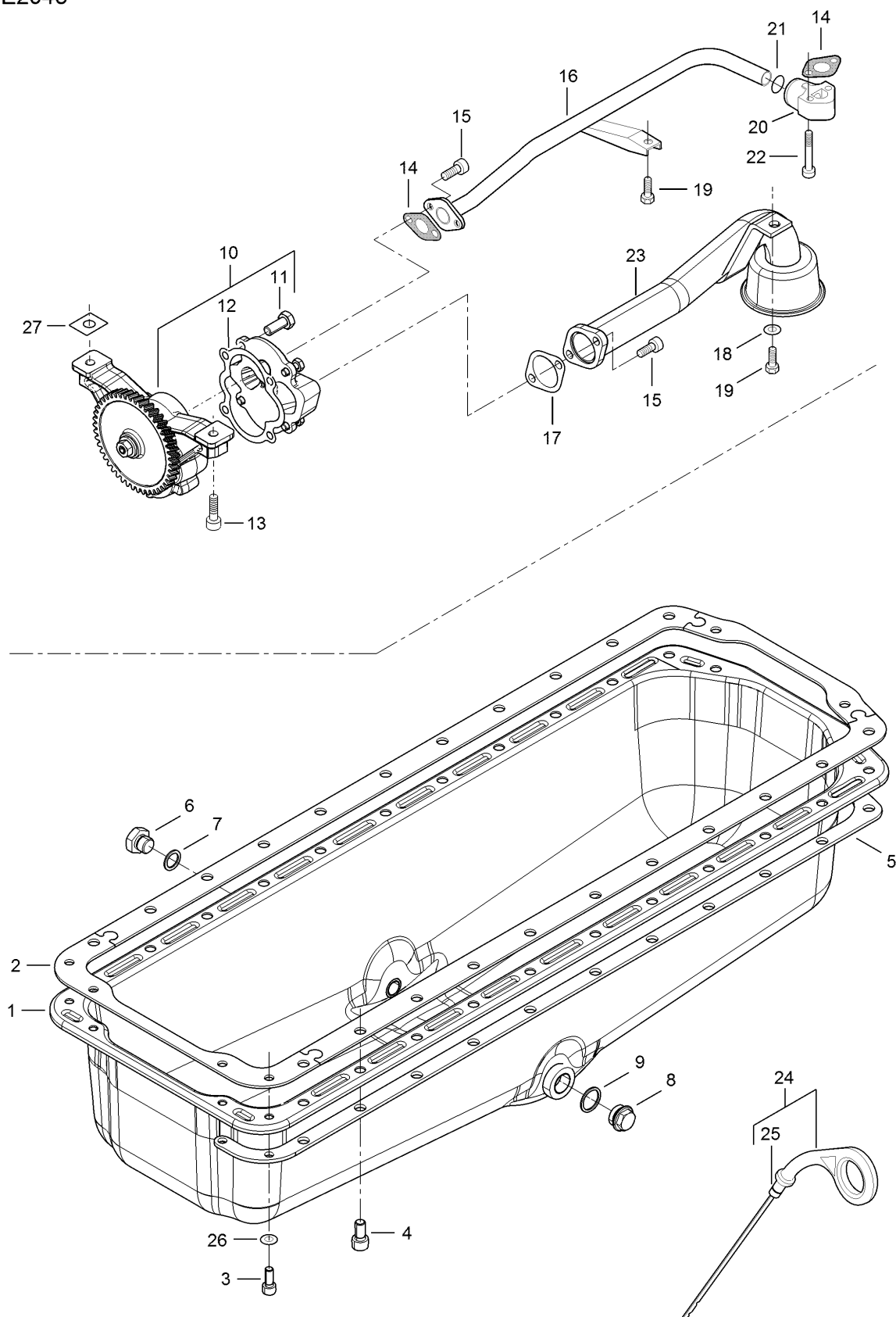
AP33E1684



TURBOCHARGER AND EXHAUST MANIFOLD

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
34	V837084079	1	BANJO BOLT	
35	V640435010	1	BANJO BOLT	
36	V615881420	2	SEALING WASHER [A]	
37	V836859188	1	STUD BOLT	
38	V837086194	1	TURBOCHARGER LUBRICATION OIL PIPE	
39	V641096010	1	STRAIGHT FITTING	
40	V836664012	1	SPACER PIECE	
41	V521601000	4	NUT	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	

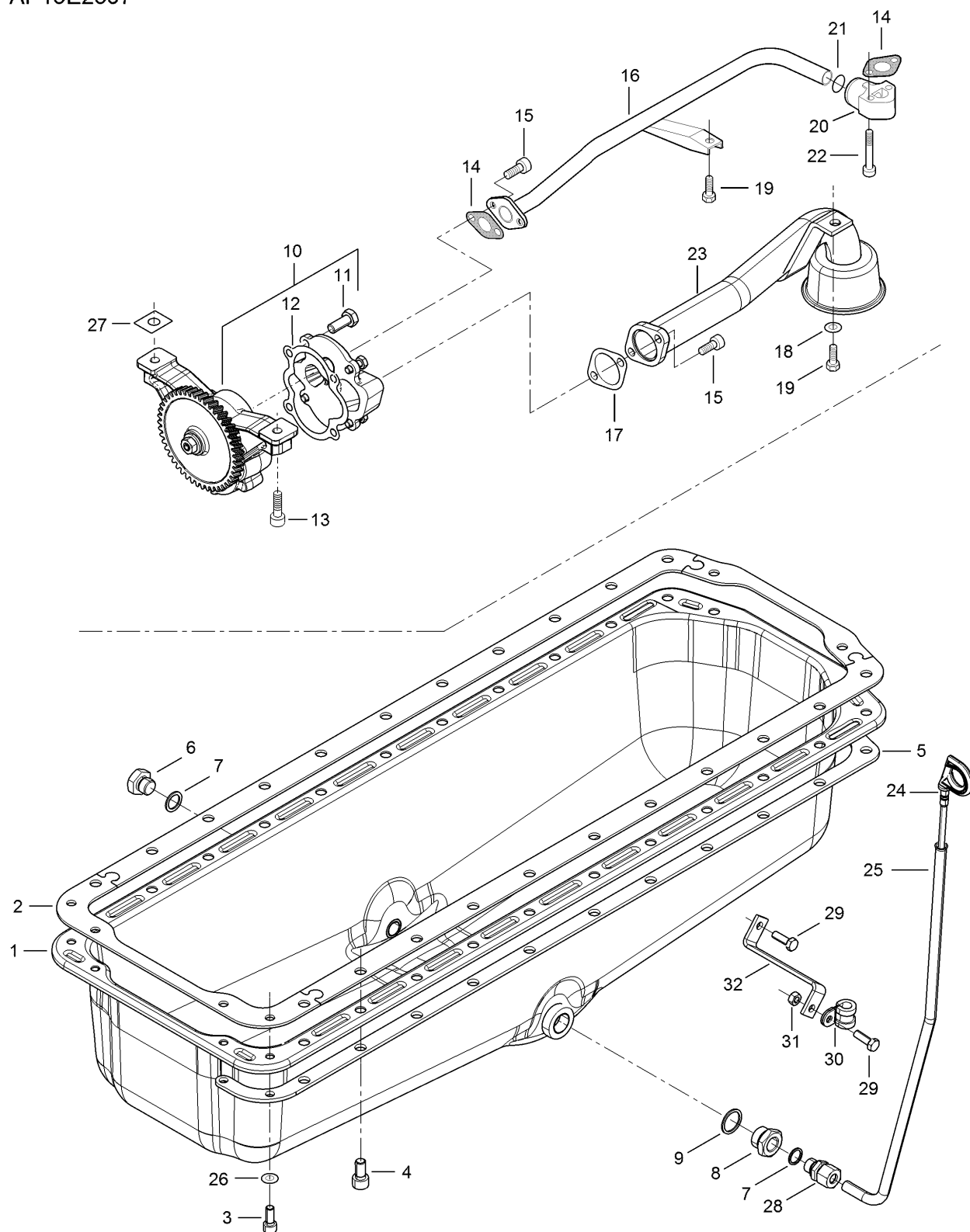
AP13E2043



OIL PUMP AND SUMP - UP TO ENGINE SERIAL NUMBER C63990

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836347308	1	OIL SUMP	
2	V837084649	1	OIL SUMP GASKET [B]	
3	V580804630	4	HEX SOCKET SCREW	
4	V580805030	24	HEX SOCKET SCREW	
5	V836884833	2	PLATE	
6	V836655492	1	PLUG	
7	V615881622	1	SEALING WASHER [B]	
8	V640045022	1	PLUG	
9	V615882227	1	SEALING WASHER [B]	
10	V836855300	1	LUBRICATING OIL PUMP	
11	V528801382	4	HEX CAP SCREW (10)	
12	V836338188	1	GASKET (10) [B]	
13	V581805050	2	HEX SOCKET SCREW	
14	V836008449	2	GASKET [B]	
15	V581804602	4	HEX SOCKET SCREW	
16	V836866569	1	OIL PIPE	
17	V836338201	1	GASKET [B]	
18	V500150842	1	WASHER	
19	V528801360	2	HEX CAP SCREW	
20	V836866563	1	CONNECTOR	
21	V614702230	1	O-RING [B]	
22	V581804680	2	HEX SOCKET SCREW	
23	V836855674	1	OIL PUMP SUCTION PIPE	
24	V837084322	1	DIPSTICK	
25	V614900615	2	O-RING (24)	
26	V500950800	4	SPRING WASHER	
27	V836007871		SHIM AS REQUIRED, REFER TO WORKSHOP MANUAL [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

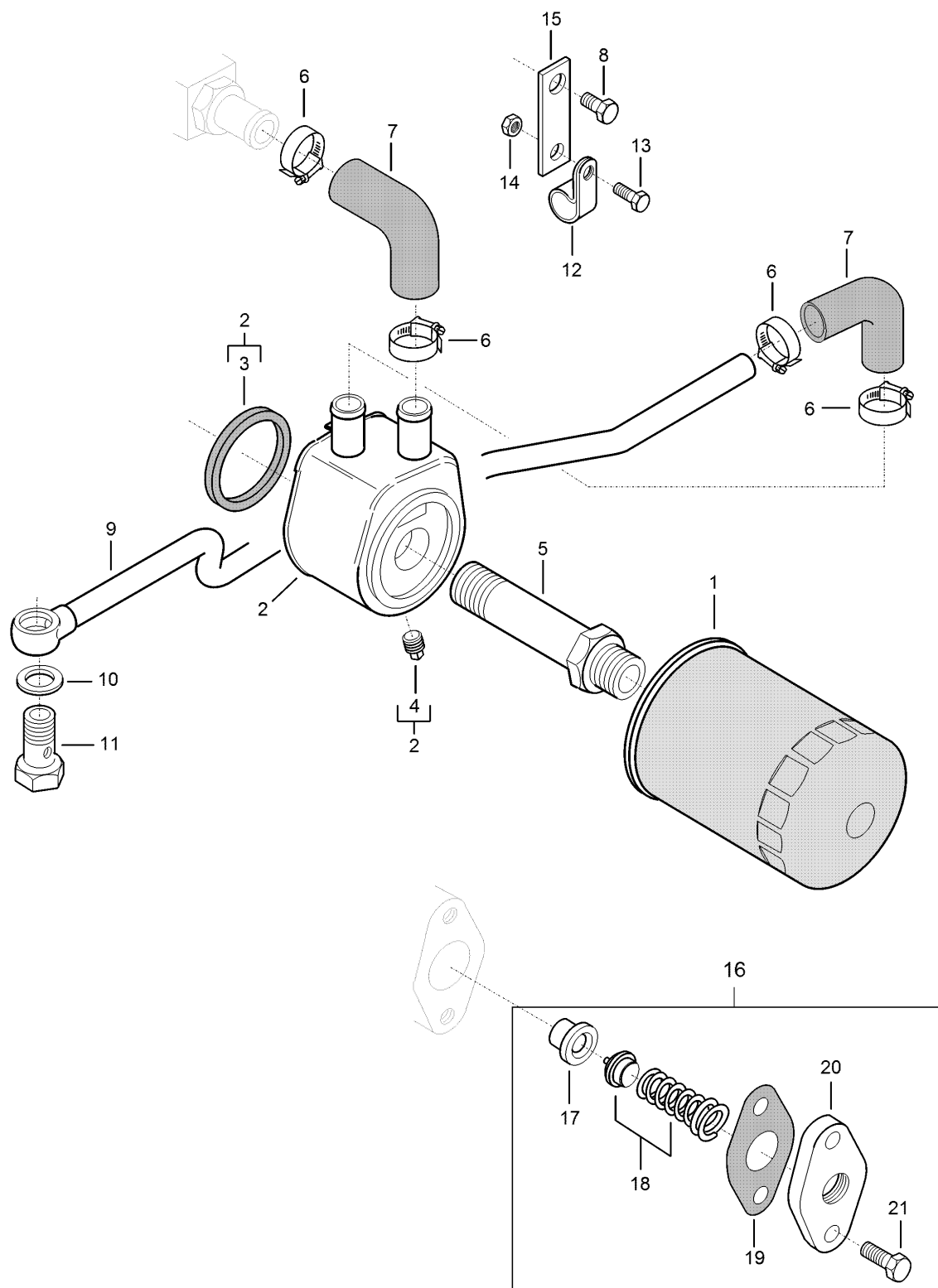
AP13E2397



OIL PUMP AND SUMP - STARTING FROM ENGINE SERIAL NUMBER C63991

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836347308	1	OIL SUMP	
2	V837084649	1	OIL SUMP GASKET [B]	
3	V580804630	4	HEX SOCKET SCREW	
4	V580805030	24	HEX SOCKET SCREW	
5	V836884833	2	PLATE	
6	V836655492	1	PLUG	
7	V615881622	2	SEALING WASHER [B]	
8	V836855220	1	UNION	
9	V836684773	1	SEALING WASHER [B]	
10	V836855300	1	LUBRICATING OIL PUMP	
11	V528801382	4	HEX CAP SCREW (10)	
12	V836338188	1	GASKET (10) [B]	
13	V581805050	2	HEX SOCKET SCREW	
14	V836008449	2	GASKET [B]	
15	V581804602	4	HEX SOCKET SCREW	
16	V836866569	1	OIL PIPE	
17	V836338201	1	GASKET [B]	
18	V500150842	1	WASHER	
19	V528801360	2	HEX CAP SCREW	
20	V836866563	1	CONNECTOR	
21	V614702230	1	O-RING [B]	
22	V581804680	2	HEX SOCKET SCREW	
23	V836855674	1	OIL PUMP SUCTION PIPE	
24	V836867888	1	DIPSTICK	
25	V836867889	2	OIL DIPSTICK GUIDE PIPE	
26	V500950800	4	SPRING WASHER	
27	V836007871		SHIM AS REQUIRED, REFER TO WORKSHOP MANUAL	
28	V641086012	1	STRAIGHT FITTING	
29	V528801402	2	HEX CAP SCREW	
30	V602060612	1	HOSE CLIP	
31	V504800800	1	NUT	
32	V837074555	1	SUPPORT [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

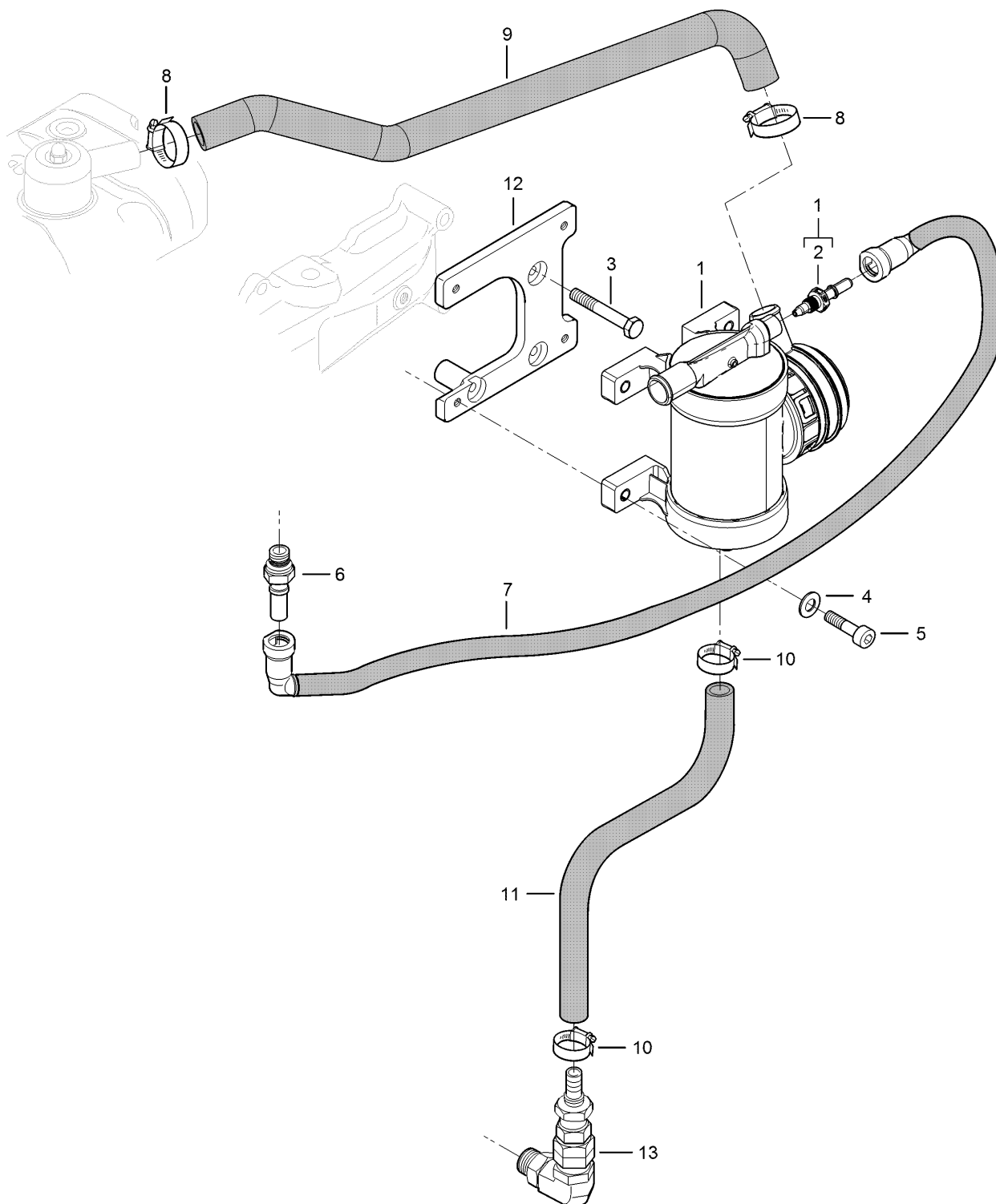
AP14D1033



OIL COOLER AND FILTER

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836679586	1	ENGINE OIL FILTER	
2	V836859699	1	OIL COOLER	
3	V836862235	1	SEAL (2)	
4	V640004004	1	PLUG (2)	
5	V836859700	1	UNION	
6	V602079516	4	HOSE CLIP	
7	V836859899	2	RUBBER ELBOW	
8	V528801760	1	HEX CAP SCREW	
9	V837070173	1	PIPE	
10	V615881822	2	SEALING WASHER [B]	
11	V640435015	1	BANJO BOLT	
12	V602074615	1	HOSE CLIP	
13	V528801382	1	HEX CAP SCREW	
14	V504800800	1	NUT	
15	V837070143	1	SUPPORT	
16	V837079484	1	OIL PRESSURE CONTROL VALVE	
17		1	NOT AVAILABLE AS SINGLE PART (16)	
18		1	NOT AVAILABLE AS SINGLE PART (16)	
19	V836322190	1	GASKET (16) [B]	
20	V837074289	1	COVER (16)	
21	V528801382	2	HEX CAP SCREW (16) [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

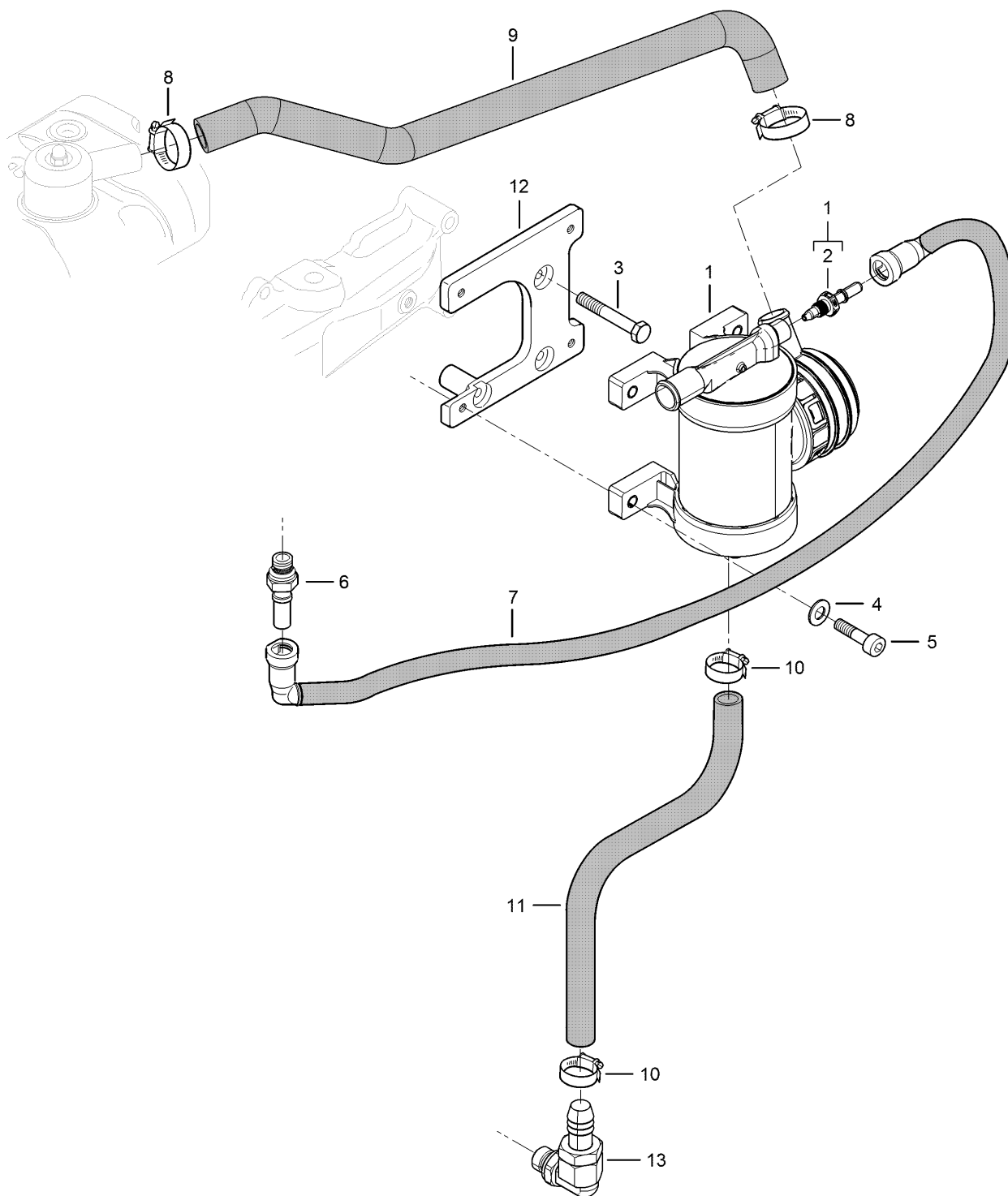
AP15D1258



CLOSED CRANKCASE VENTILATION (CCV) - UP TO ENGINE SERIAL NUMBER D52835

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837084882	1	CCV FILTER	
2	V837091137	1	MALE COUPLER (1)	
3	V529801480	3	HEX CAP SCREW	
4	V500150842	4	WASHER	
5	V581804630	4	HEX SOCKET SCREW	
6	V837067936	1	QUICK COUPLER	
7	V837084290	1	CCV HOSE	
8	V602078538	2	HOSE CLIP	
9	V837084892	1	RUBBER HOSE	
10	V602079516	2	HOSE CLIP	
11	V837074299	1	HOSE	
12	V837074103	1	BRACKET	
13	V837074234	1	CHECK VALVE	

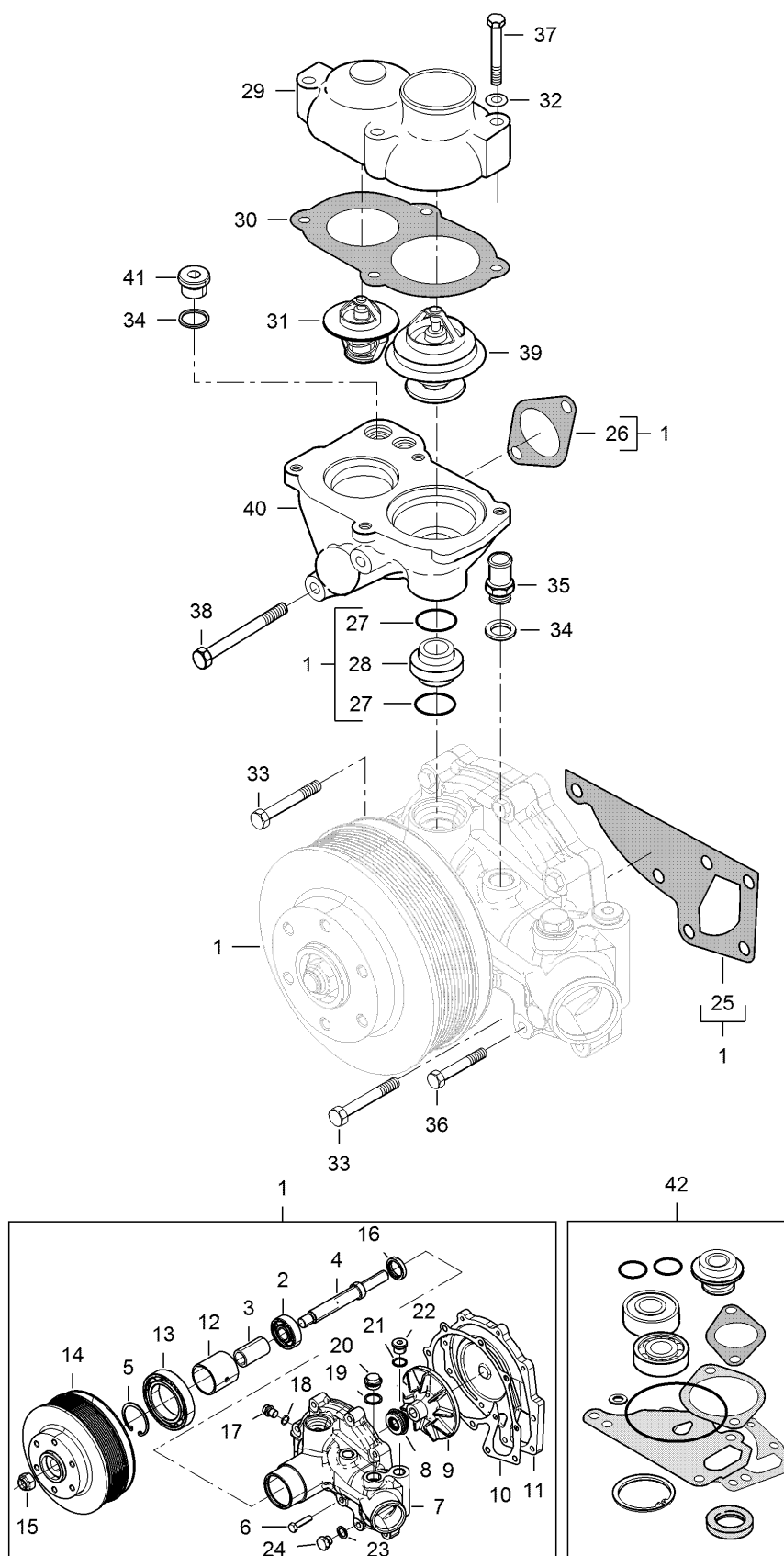
AP15E2385



CLOSED CRANKCASE VENTILATION (CCV) - STARTING FROM ENGINE SERIAL NUMBER D52837

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837084882	1	CCV FILTER	
2	V837091137	1	MALE COUPLER (1)	
3	V529801480	3	HEX CAP SCREW	
4	V500150842	4	WASHER	
5	V581804630	4	HEX SOCKET SCREW	
6	V837067936	1	QUICK COUPLER	
7	V837084290	1	CCV HOSE	
8	V602078538	2	HOSE CLIP	
9	V837084892	1	RUBBER HOSE	
10	V602079516	2	HOSE CLIP	
11	V837074928	1	RUBBER HOSE	
12	V837074103	1	BRACKET	
13	V837084778	1	CHECK VALVE	

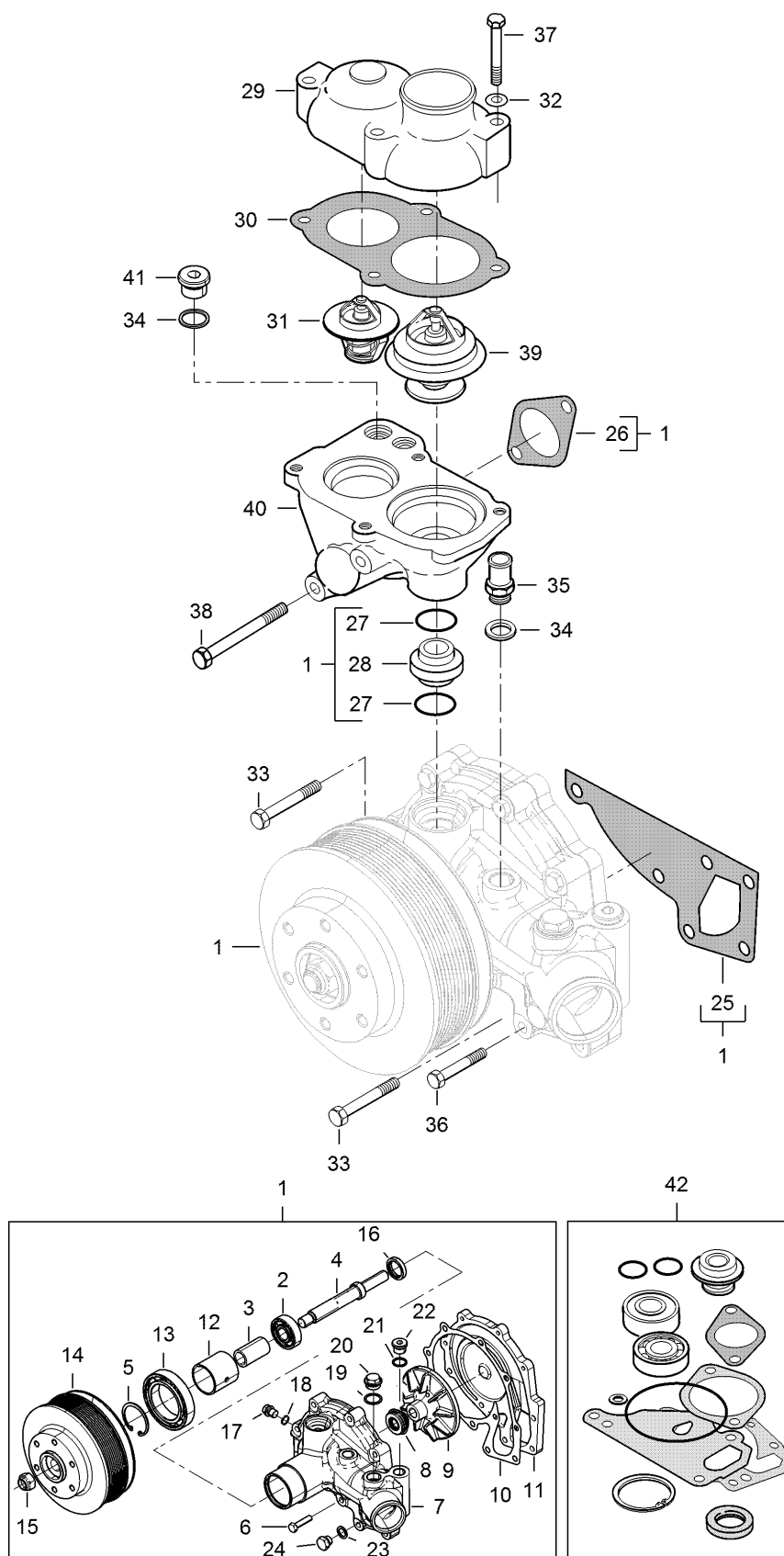
AP17D2182



COOLANT PUMP AND THERMOSTAT

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837091142	1	KIT,WATER PUMP	
2	V610063044	1	BALL BEARING (1),(42)	
3	V836336317	1	SLEEVE (1)	
4		1	NOT AVAILABLE AS SINGLE PART (1)	
5	V617330052	1	LOCK RING (1),(42)	
6	V529901420	5	HEX CAP SCREW (1)	
7		1	NOT AVAILABLE AS SINGLE PART (1)	
8	V837073981	1	WATER PUMP CARTRIDGE GASKET (1),(42)	
9		1	NOT AVAILABLE AS SINGLE PART (1)	
10	V836864471	1	GASKET (1),(42) [B]	
11		1	NOT AVAILABLE AS SINGLE PART (1)	
12	V836336318	1	SLEEVE (1)	
13	V610060124	1	BALL BEARING (1),(42)	
14	V837073106	1	WATER PUMP MULTI-RIBBED PULLEY (1)	
15	V510611602	1	NUT (1),(42)	
16	V614102636	1	SHAFT SEAL (1),(42)	
17	V640305012	1	PLUG (1)	
18	V615881216	1	SEALING WASHER (1) [B]	
19	V615882227	1	SEALING WASHER (1) [B]	
20	V640045022	1	PLUG (1)	
21	V615881822	1	SEALING WASHER (1) [B]	
22	V640325018	1	PLUG (1)	
23	V615881420	1	SEALING WASHER (1) [B]	
			[A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	
			[B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

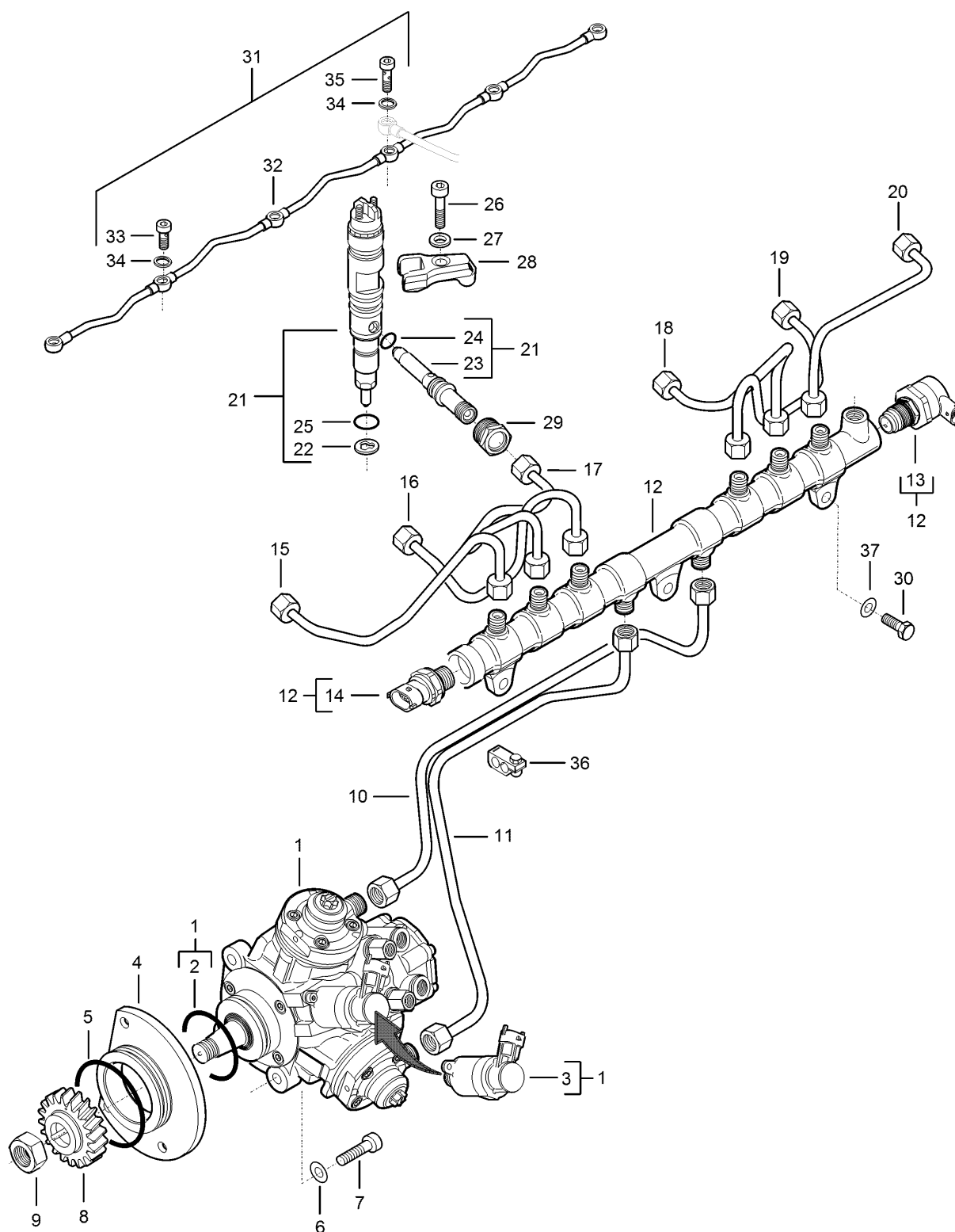
AP17D2182



COOLANT PUMP AND THERMOSTAT

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
24	V640046014	1	PLUG (1)	
25	V836866742	1	GASKET (1),(42) [B]	
26	V837086325	1	GASKET (1) [A]	
27	V614602950	2	O-RING (1),(42) [A]	
28	V836873423	1	WATER PIPE (1),(42)	
29	V836329631	1	COVER	
30	V836329632	1	GASKET [A]	
31	V836015156	1	THERMOSTAT	
32	V500950800	4	SPRING WASHER	
33	V529801460	3	HEX CAP SCREW	
34	V615881822	2	SEALING WASHER [B]	
35	V836119837	1	HOSE COUPLER	
36	V529801440	2	HEX CAP SCREW	
37	V529801450	4	HEX CAP SCREW	
38	V529801550	2	HEX CAP SCREW	
39	V836331590	1	THERMOSTAT	
40	V836847888	1	THERM. HOUSING	
41	V640325018	1	PLUG	
42	V836840627	1	WATER PUMP REPAIR KIT [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

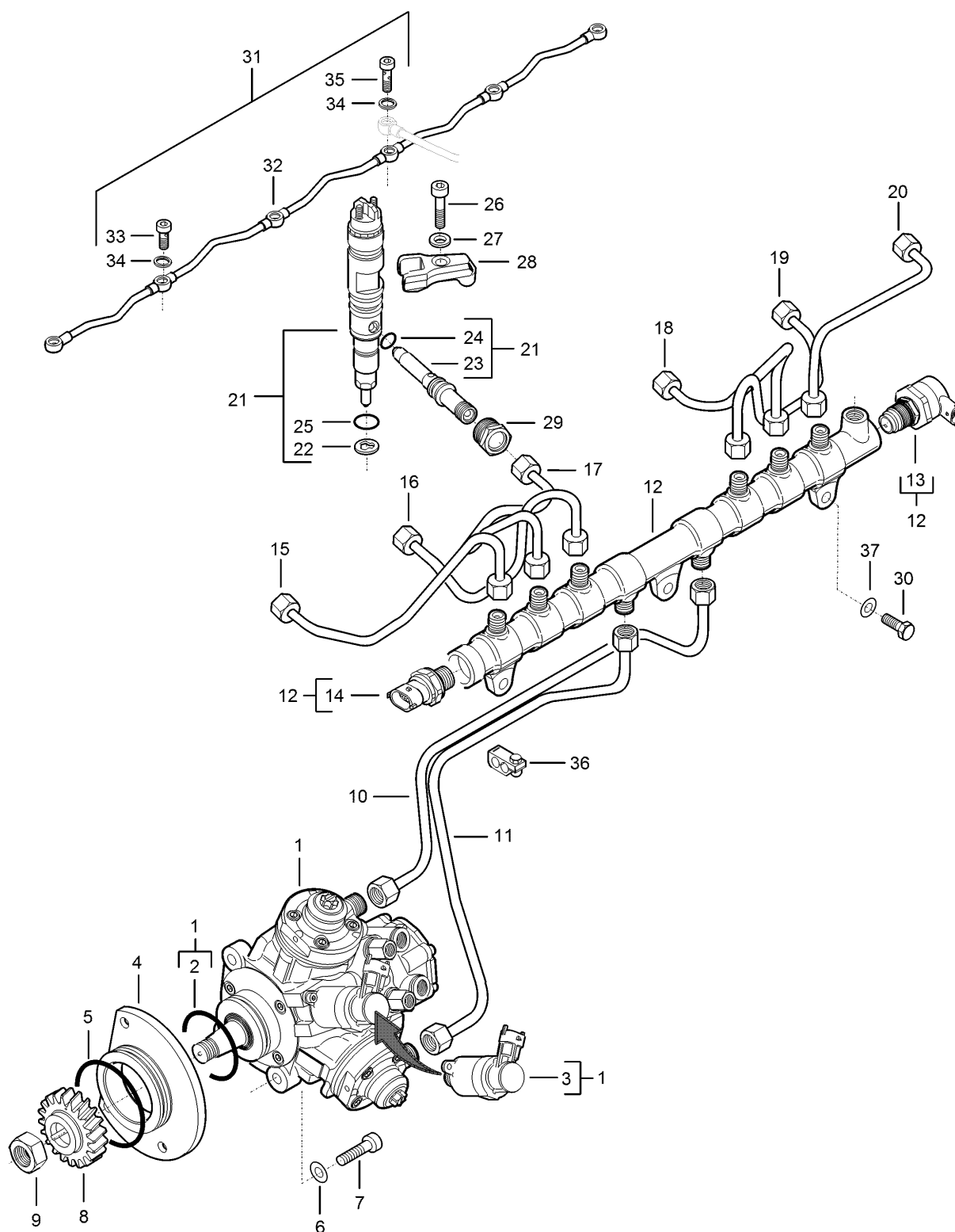
AP18D1036



FUEL INJECTION SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074805	1	HIGH PRESSURE INJECTION PUMP	
2	V837079431	1	O-RING (1) [B]	
3	V837079633	1	VALVE (1)	
4	V837073688	1	FLANGE	
5	V614606230	1	O-RING [B]	
6	V500150842	3	WASHER	
7	V581804640	3	HEX SOCKET SCREW	
8	V837073563	1	GEAR,INJ.PUMP	
9	V504611802	1	NUT	
10	V837074676	1	FUEL PIPE	
11	V837074675	1	FUEL PIPE	
12	V837074665	1	RAIL PIPE	
13	V837079834	1	FUEL PRESSURE VALVE (12)	
14	V837079833	1	FUEL PRESSURE SENSOR (12)	
15	V837074668	1	INJECTION PIPE	
16	V837074669	1	INJECTION PIPE	
17	V837074670	1	INJECTION PIPE	
18	V837074671	1	INJECTION PIPE	
19	V837074672	1	INJECTION PIPE	
20	V837074673	1	INJECTION PIPE	
21	V837079827	6	INJECTOR	
22	V837091049	6	SEALING RING (21) [A]	
23		6	NOT AVAILABLE AS SINGLE PART (21)	
24	V837091050	6	O-RING (21) [A]	
25	V837079978	6	O-RING (21) [A]	
26	V581704660	6	HEX SOCKET SCREW	
27	V837070121	6	WASHER	
28	V837069007	6	FASTENER	
29	V837069268	6	NUT	
30	V528801382	2	HEX CAP SCREW	
31	V837073763	1	INJECTOR OVERFLOW PIPE	
32		1	NOT AVAILABLE AS SINGLE PART (31)	
33	V837073117	5	BANJO BOLT (31) [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

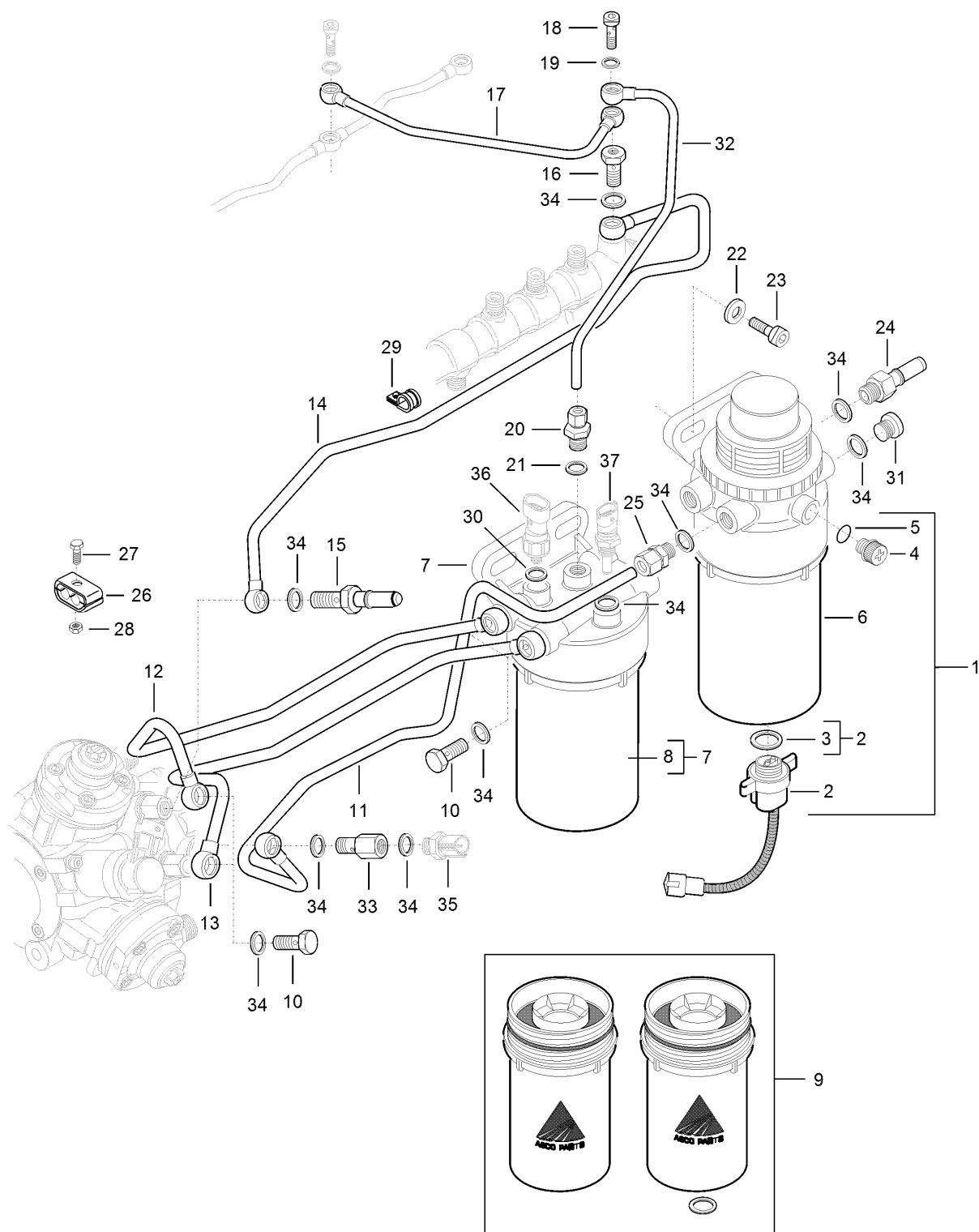
AP18D1036



FUEL INJECTION SYSTEM

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
34	V615870812	13	SEALING WASHER (31) [A]	
35	V837073118	1	DUAL BANJO BOLT (31)	
36	V837073721	1	BAND	
37	V500950800	2	SPRING WASHER [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1 [B] INCLUDED IN COMPLETE ENGINE GASKET KIT 2	

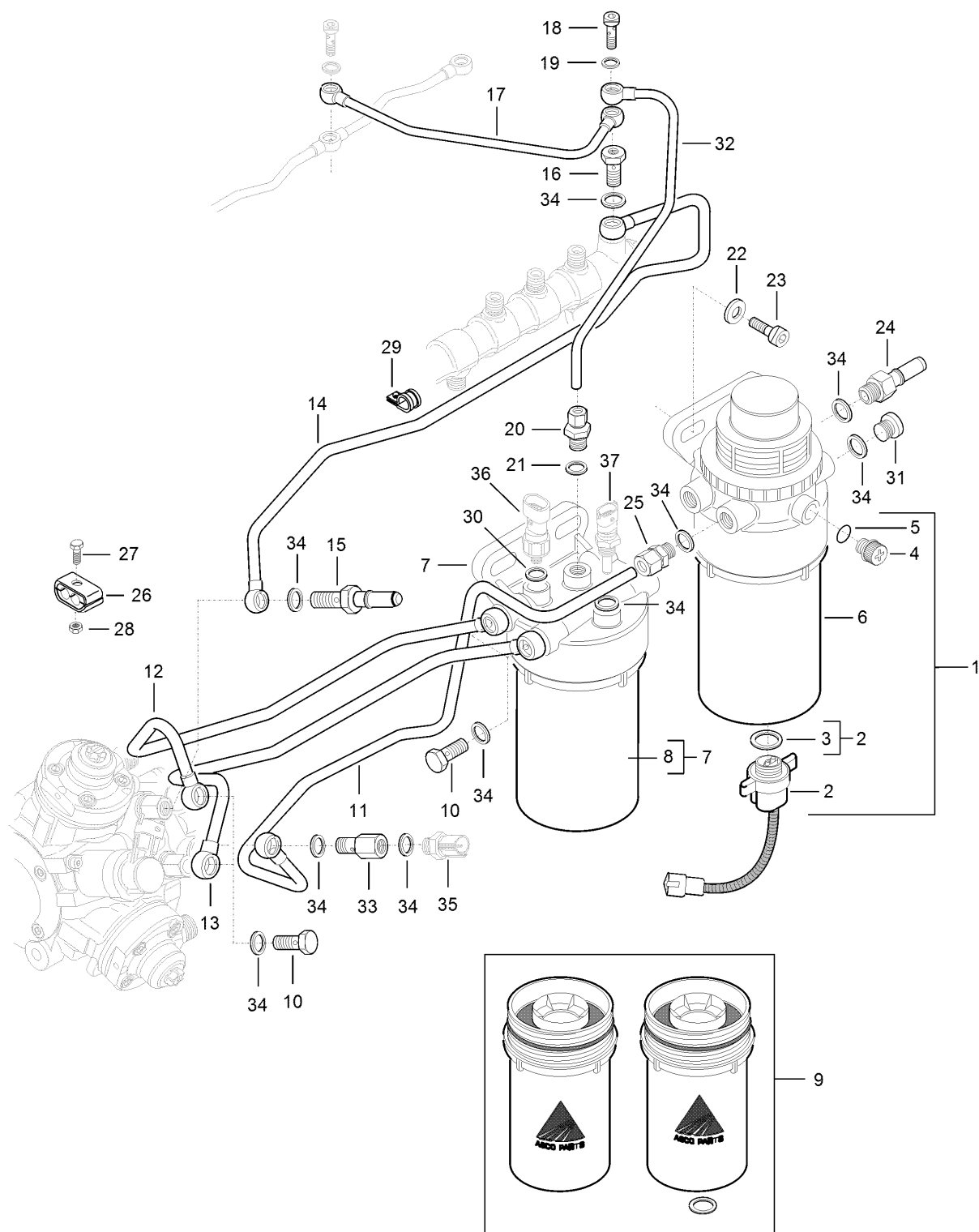
AP19D1350



FUEL FILTERS - UP TO ENGINE SERIAL NUMBER C73004

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086172	1	FUEL PREFILTER	
2	V837074054	1	FUEL FILTER WATER ALARM (1)	
3	V837079695	1	SEAL (1),(2),(9)	
4	V837079627	1	BLEED SCREW (1)	
5	V837079628	1	O-RING (1)	
6		1	(1),(9) NOT AVAILABLE AS SINGLE PART	
7	V837073857	1	MAIN FUEL FILTER	
8		1	(7),(9) NOT AVAILABLE AS SINGLE PART	
9	V837079718	1	FUEL FILTER KIT	
10	V640435010	4	BANJO BOLT	
11	V837073933	1	FUEL PIPE	
12	V837073936	1	FUEL PIPE	
13	V837073938	1	FUEL PIPE	
14	V837074793	1	FUEL PIPE	
15	V837074191	1	QUICK COUPLER	
16	V836007420	1	BANJO BOLT	
17	V837074731	1	FUEL PIPE	
18	V837073118	1	DUAL BANJO BOLT	
19	V615870812	3	SEALING WASHER [A]	
20	V837074146	1	STRAIGHT FITTING	
21	V615881216	1	SEALING WASHER [A]	
22	V500151050	4	WASHER	
23	V581805020	4	HEX SOCKET SCREW	
24	V837086171	1	QUICK COUPLER	
25	V641086010	1	STRAIGHT FITTING	
26	V602098110	2	HOSE CLIP	
27	V528801102	2	HEX CAP SCREW	
28	V510600602	2	NUT	
29	V602060610	1	HOSE CLIP	
30	V615871016	1	SEALING WASHER [A]	
31	V640325014	2	PLUG	
32	V837084076	1	FUEL PIPE	
33	V837084064	1	BANJO BOLT	
34	V836684360	19	SEALING WASHER [A]	
35		1	SEE PAGE 01-0022	
36		1	SEE PAGE 01-0022	
37		1	SEE PAGE 01-0022 [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	

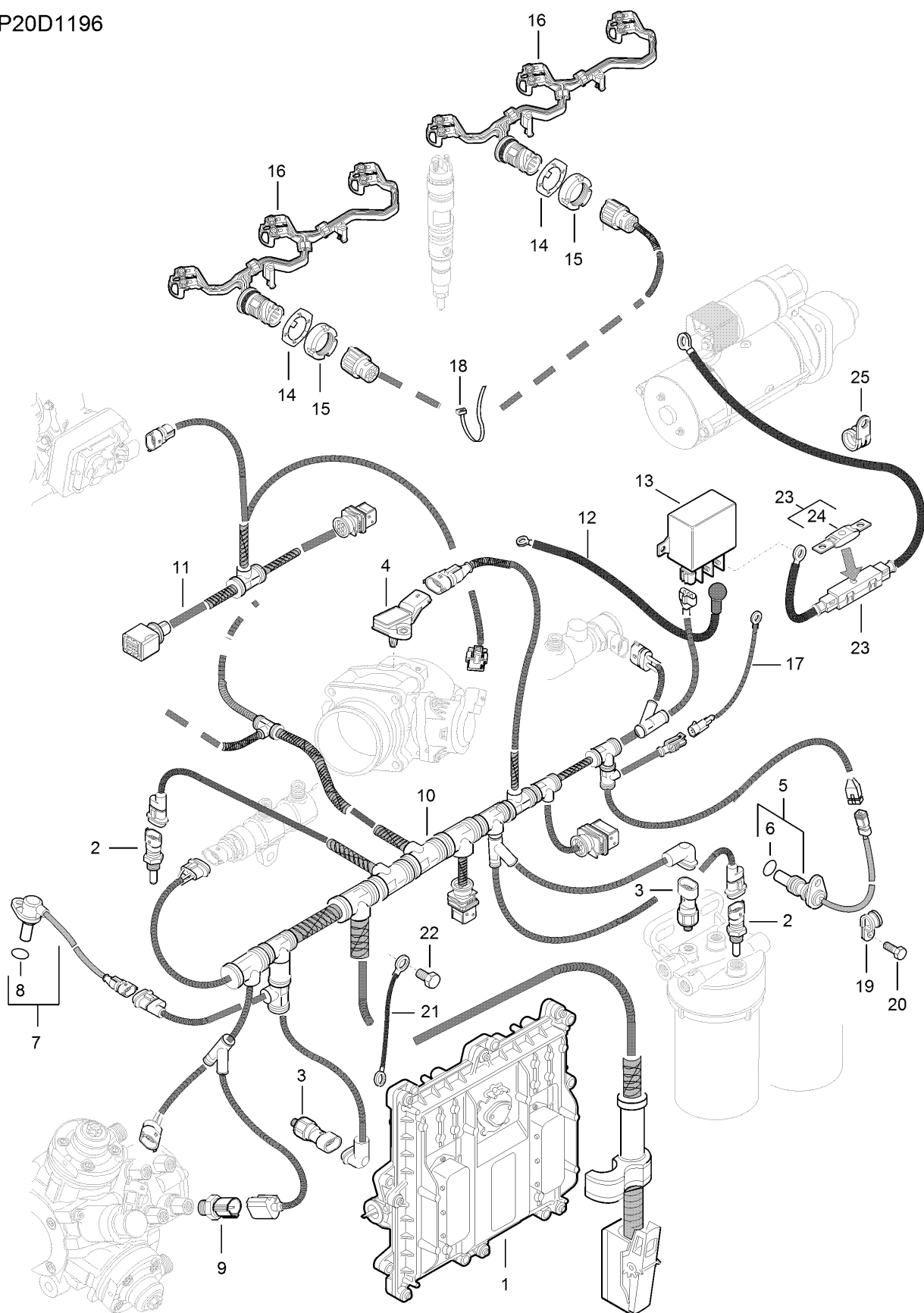
AP19D1350



FUEL FILTERS - STARTING FROM ENGINE SERIAL NUMBER C73005

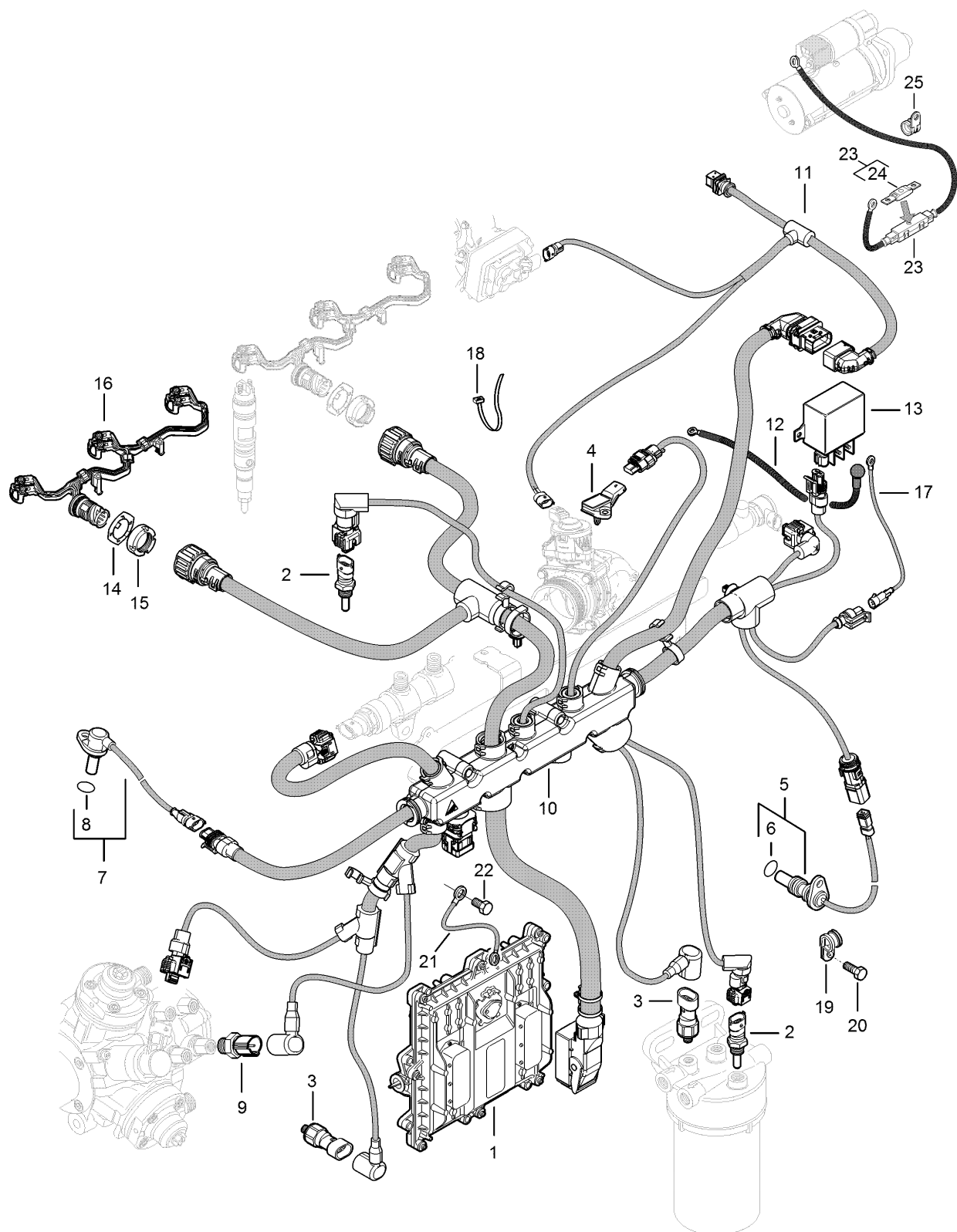
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086172	1	FUEL PREFILTER	
2	V837074054	1	FUEL FILTER WATER ALARM (1)	
3	V837091271	1	SEAL (1),(2),(9)	
4	V837079627	1	BLEED SCREW (1)	
5	V837079628	1	O-RING (1)	
6		1	(1),(9) NOT AVAILABLE AS SINGLE PART	
7	V837086099	1	MAIN FUEL FILTER	
8		1	(7),(9) NOT AVAILABLE AS SINGLE PART	
9	V837091129	1	FUEL FILTER KIT	
10	V640435010	4	BANJO BOLT	
11	V837073933	1	FUEL PIPE	
12	V837073936	1	FUEL PIPE	
13	V837073938	1	FUEL PIPE	
14	V837074793	1	FUEL PIPE	
15	V837074191	1	QUICK COUPLER	
16	V836007420	1	BANJO BOLT	
17	V837074731	1	FUEL PIPE	
18	V837073118	1	DUAL BANJO BOLT	
19	V836684767	3	SEALING WASHER [A]	
20	V837074146	1	STRAIGHT FITTING	
21	V836684769	1	SEALING WASHER [A]	
22	V500151050	4	WASHER	
23	V581805020	4	HEX SOCKET SCREW	
24	V837086171	1	QUICK COUPLER	
25	V641086010	1	STRAIGHT FITTING	
26	V602098110	2	HOSE CLIP	
27	V528801102	2	HEX CAP SCREW	
28	V510600602	2	NUT	
29	V602060610	1	HOSE CLIP	
30	V615871016	1	SEALING WASHER [A]	
31	V640325014	2	PLUG	
32	V837084076	1	FUEL PIPE	
33	V837084064	1	BANJO BOLT	
34	V836684770	19	SEALING WASHER [A]	
35		1	SEE PAGE 01-0022 SEE PAGE 01-0023	
36		1	SEE PAGE 01-0022 SEE PAGE 01-0023	
37		1	SEE PAGE 01-0022 SEE PAGE 01-0023 [A] INCLUDED IN CYLINDER HEAD GASKET KIT 1	

AP20D1196



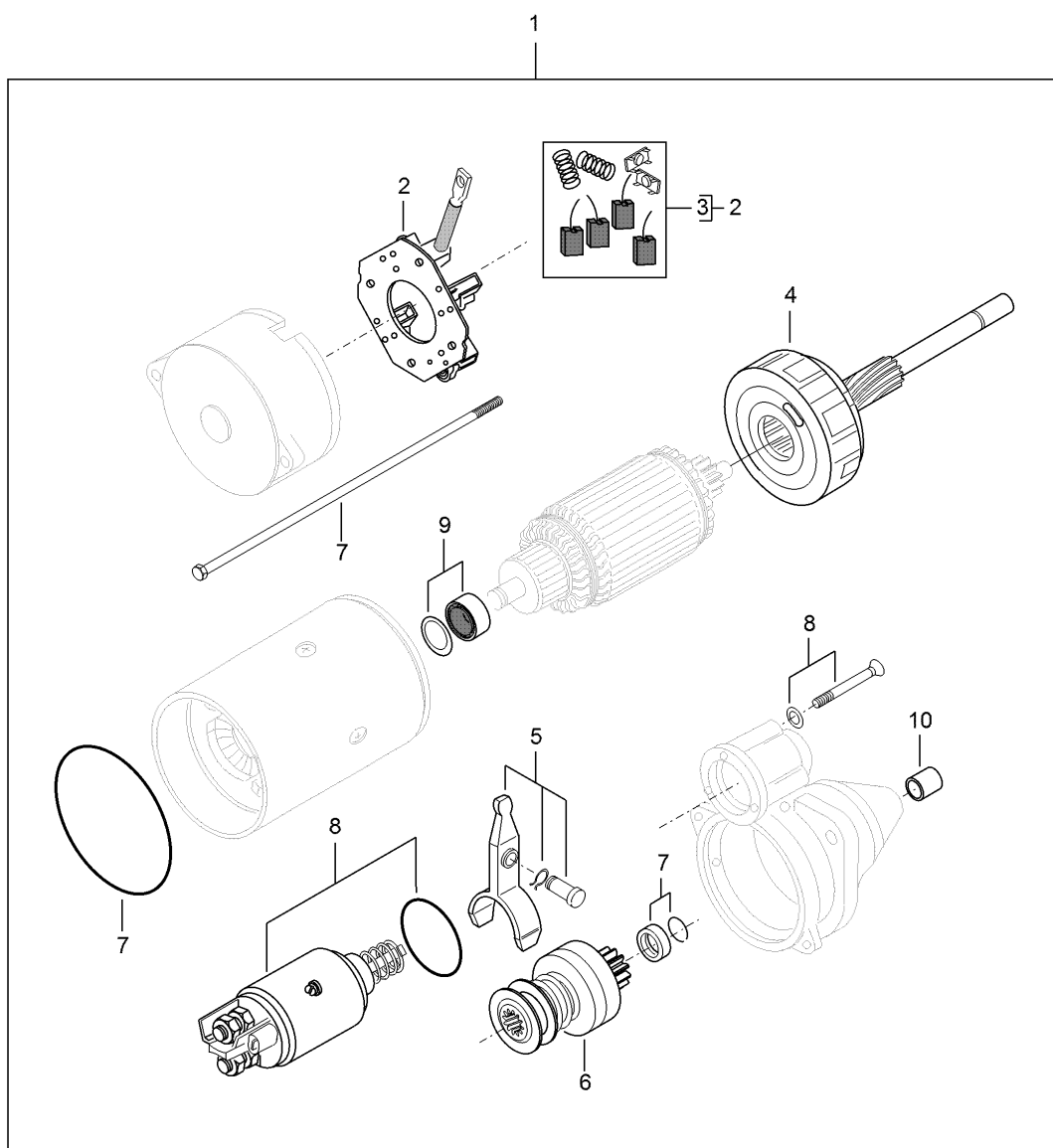
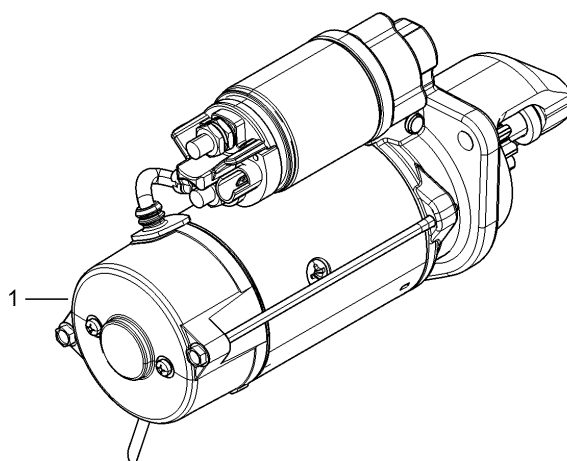
ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074863	1	ENGINE CONTROL UNIT	
2	V836667732	2	TEMPERATURE SENSOR	
3	V837070201	2	PRESSURE SENSOR	
4	V837084326	1	BOOST PRESSURE SENSOR	
5	ACW0830170	1	CRANKSHAFT SPEED SENSOR	
6	V837091429	1	O-RING (5)	
7	V837070189	1	SPEED SENSOR	
8	V614601718	1	O-RING (7)	
9	V837070209	1	PRESSURE SENSOR	
10	V837084392	1	ENGINE WIRE HARNESS	
11	V837084106	1	ENGINE WIRE HARNESS	
12	V837070055	1	WIRE	
13	V837069048	1	SOLENOID	
14	V837073922	2	LOCKING PLATE	
15	V837073921	2	LOCKING RING	
16	V837084141	2	ENGINE WIRE HARNESS	
17	V837073594	1	WIRE	
18	V651754720	10	CABLE TIE	
19	V602060610	2	HOSE CLIP	
20	V528801402	1	HEX CAP SCREW	
21	V837070292	1	GROUND WIRE	
22	V528801342	1	HEX CAP SCREW	
23	V837070053	1	WIRE	
24	V836662501	1	FUSE (23)	
25	V602060612	1	HOSE CLIP	

AP20E2398



ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074863	1	ENGINE CONTROL UNIT	
2	V836667732	2	TEMPERATURE SENSOR	
3	V837070201	2	PRESSURE SENSOR	
4	V837084326	1	BOOST PRESSURE SENSOR	
5	ACW0830170	1	CRANKSHAFT SPEED SENSOR	
6	V837091429	1	O-RING (5)	
7	V837070189	1	SPEED SENSOR	
8	V614601718	1	O-RING (7)	
9	V837070209	1	PRESSURE SENSOR	
10	V837086008	1	ENGINE WIRE HARNESS	
11	V837084106	1	ENGINE WIRE HARNESS	
12	V837070055	1	WIRE	
13	V837069048	1	SOLENOID	
14	V837073922	2	LOCKING PLATE	
15	V837073921	2	LOCKING RING	
16	V837084141	2	ENGINE WIRE HARNESS	
17	V837073594	1	WIRE	
18	V651754720	10	CABLE TIE	
19	V602060610	2	HOSE CLIP	
20	V528801402	1	HEX CAP SCREW	
21	V837070292	1	GROUND WIRE	
22	V528801342	1	HEX CAP SCREW	
23	V837070053	1	WIRE	
24	V836662501	1	FUSE (23)	
25	V602060612	1	HOSE CLIP	

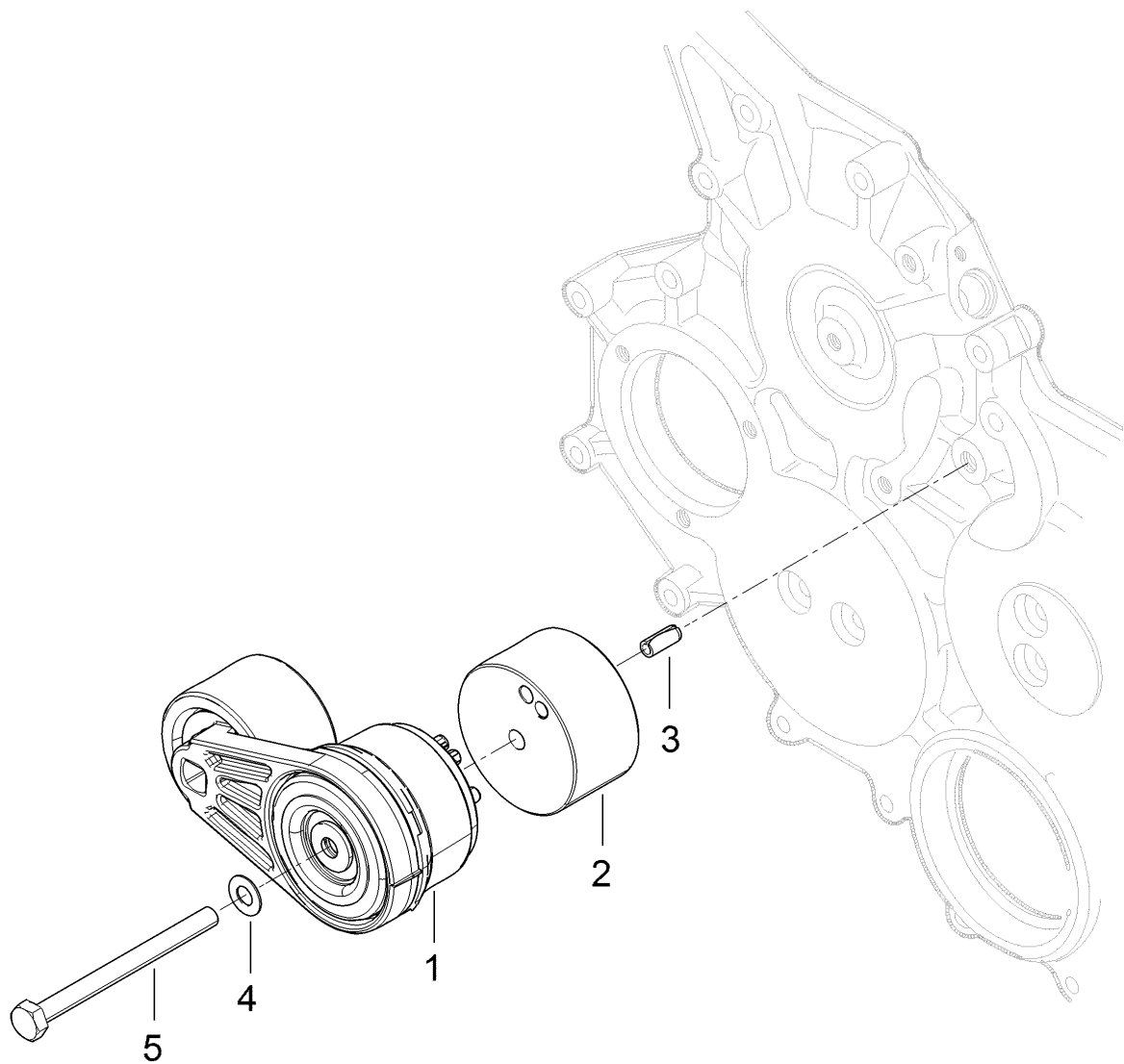
AP22D1267



STARTER MOTOR

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

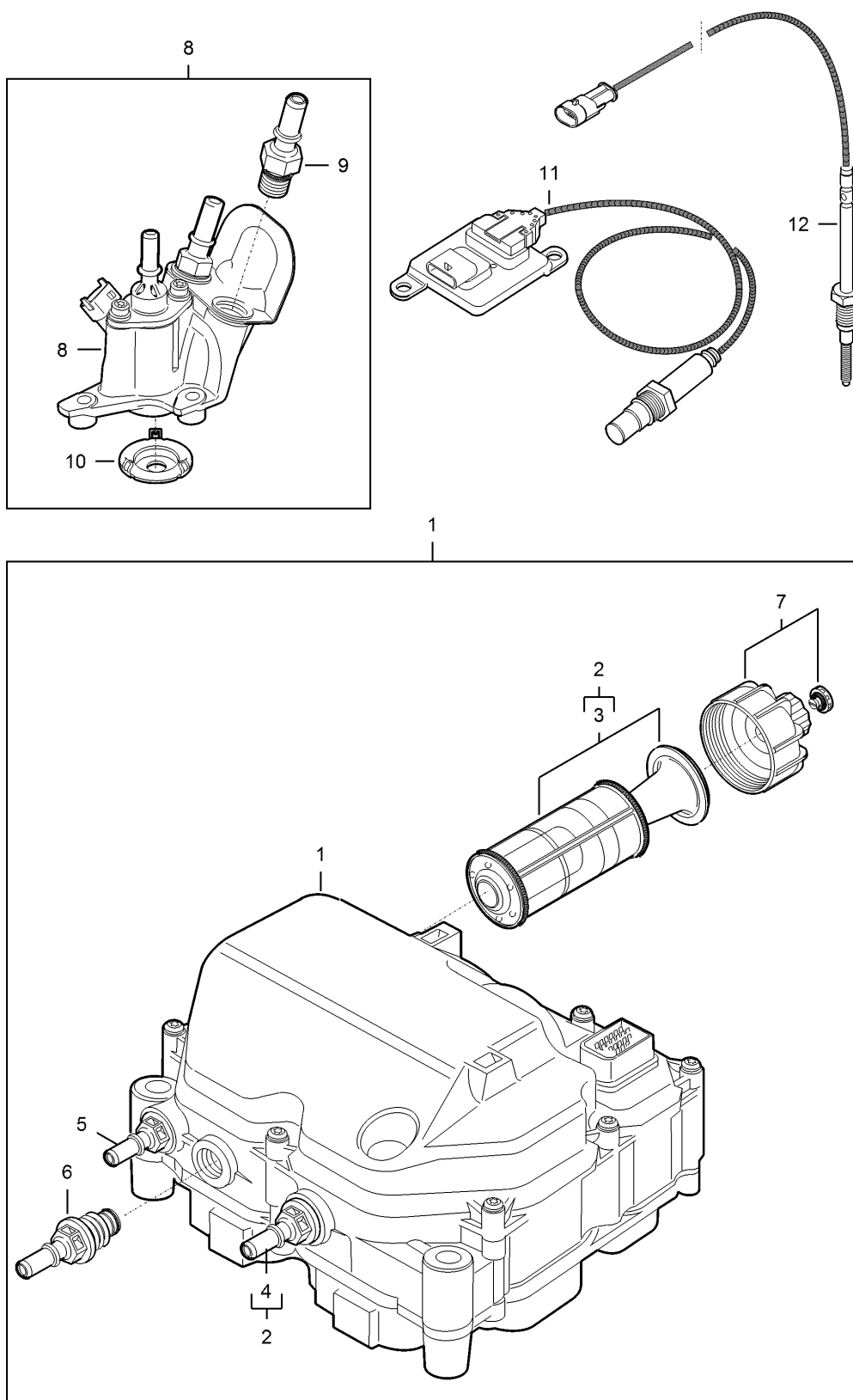
AP24E1688



BELT TENSIONER

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837086281	1	BELT TENSIONER	
2	V837074573	1	FLANGE	
3	V595954600	1	PIN	
4	V500951000	1	SPRING WASHER	
5	V529801970	1	HEX CAP SCREW	

AP26F2293



EXHAUST AFTERTREATMENT

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837074848	1	MODULE	
2	V837091530	1	DEF FILTER	
3		1	(1),(2) NOT AVAILABLE AS SINGLE PART	
4	V837079428	1	DEF CONNECTOR (1),(2)	
5	V837079429	1	DEF CONNECTOR (1)	
6	V837079430	1	DEF CONNECTOR (1)	
7	V837079427	1	COVER (1)	
8	V837074845	1	MODULE	
9	V837079474	2	DEF CONNECTOR (7)	
10	V837079435	1	GASKET (7)	
11	V837084095	2	NOX SENSOR	
12	V837084096	3	TEMPERATURE SENSOR	

AP27E1044

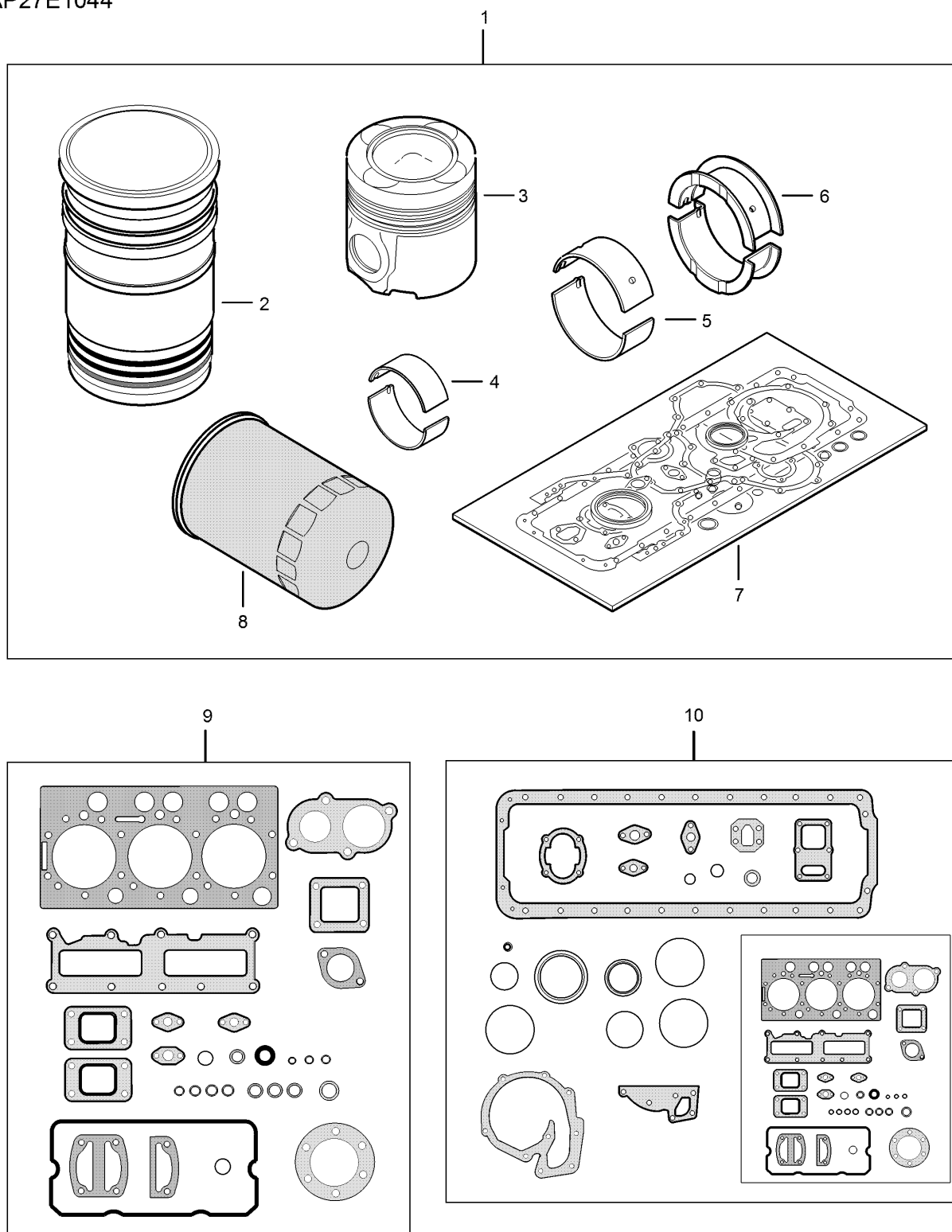
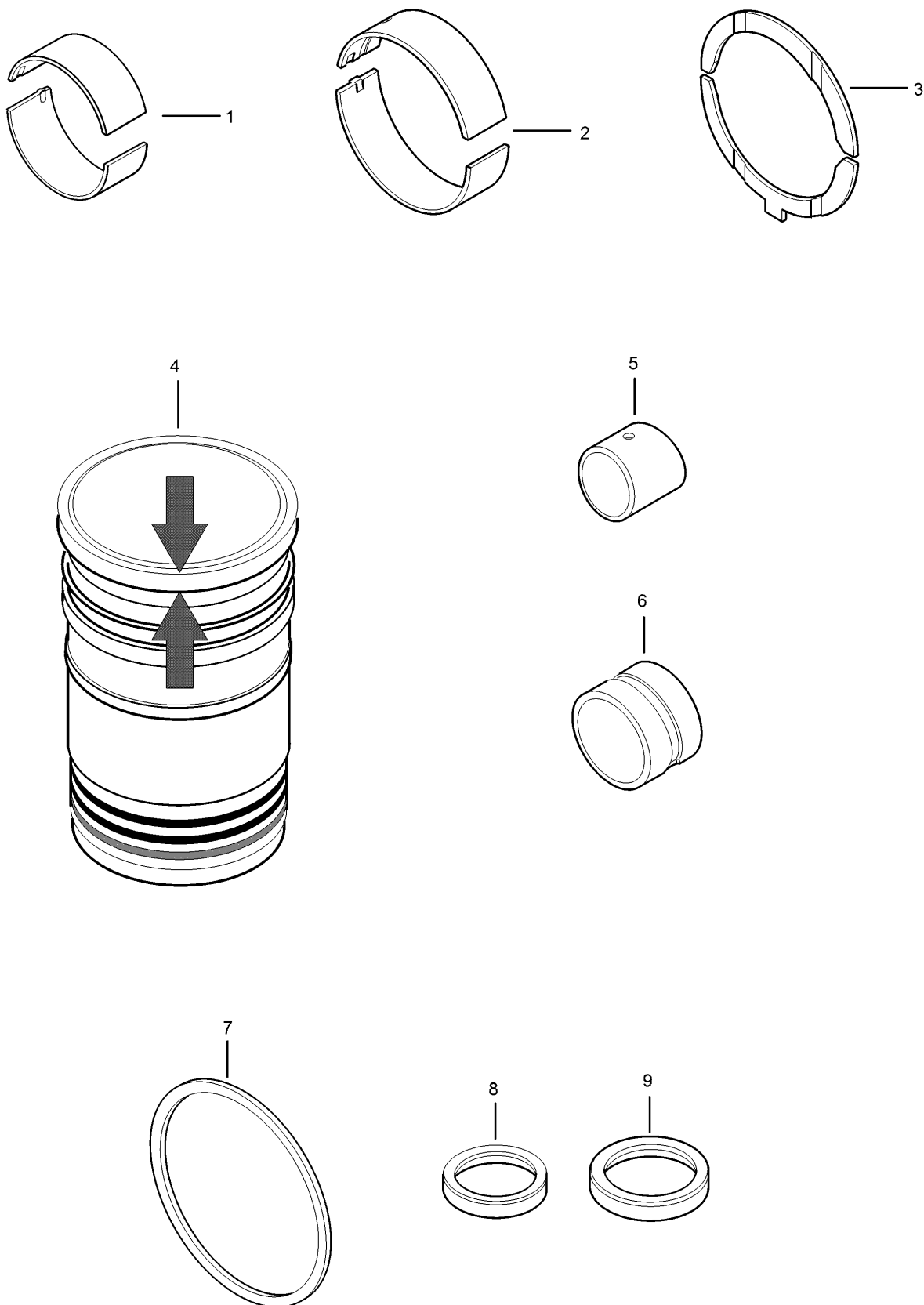


Image is a representation of these items.
Actual items may vary.

ENGINE OVERHAUL PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V837091247	1	ENGINE OVERHAUL KIT	
2	V836673191	6	LINER (1)	
3	V837086209	6	PISTON (1)	
4	V836179781	6	CONROD BEARING (1)	
5	V836840944	6	MAIN BEARING (1)	
6	V836879152	1	MAIN BEARING (1)	
7	V837079862	1	ENGINE GASKET KIT (1)	2
8	V836679586	1	ENGINE OIL FILTER (1)	
9	V837079861	1	ENGINE GASKET KIT (10)	1
10	V837079862	1	ENGINE GASKET KIT	2

AP28D1039



SPECIAL OVERHAUL PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION COMMENTS	TECHNICAL SPECIFICATION
1	V836179782		CONROD BEARING	
	V836179783		CONROD BEARING	
2	V836840978		MAIN BEARING	
	V836840979		MAIN BEARING	
3	V836840982		THRUST WASHER	
	V836840983		THRUST WASHER	
4	V836647933		LINER	
	V836647934		LINER	
	V836647935		LINER	
5	V835328326		BEARING BUSH	
6	V836866036		CAMSHAFT BEARING BUSH	
7	V836020054		SPACER	
8	V837070187		VALVE SEAT	
9	V837070188		VALVE SEAT	

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BALL BEARING, (1),(42)	01-0018	CRANKSHAFT	01-0006
BALL BEARING, (30)	01-0004	CRANKSHAFT HUB	01-0006
BAND	01-0012	CRANKSHAFT NUT	01-0006
BAND	01-0019	CRANKSHAFT PULLEY	01-0006
BANJO BOLT	01-0012	CRANKSHAFT SEAL	01-0004
BANJO BOLT	01-0015	CRANKSHAFT SEAL	01-0005
BANJO BOLT	01-0020	CRANKSHAFT SPEED SENSOR	01-0022
BANJO BOLT	01-0021	CRANKSHAFT SPEED SENSOR	01-0023
BANJO BOLT, (31)	01-0019	CRANKSHAFT V-BELT PULLEY	01-0006
BEARING BUSH	01-0028	CRANKSHAFT VIBRATION	01-0006
BEARING BUSH, (1)	01-0024	DAMPENER	
BEARING BUSH, (7),(8)	01-0006	CYLINDER BLOCK	01-0002
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BLEED SCREW, (1)	01-0021	CYLINDER HEAD BOLT	01-0008
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BRACKET	01-0011	CYLINDER LINER O-RING, (11)	01-0003
BRACKET	01-0016	DAMPER	01-0002
BRACKET	01-0017	DAMPER	01-0003
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BREATHER, (8)	01-0010	DEF CONNECTOR, (1),(2)	01-0026
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CAMSHAFT	01-0007	DIPSTICK	01-0013
CAMSHAFT BEARING BUSH	01-0028	DIPSTICK	01-0014
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FLANGE	01-0019	HEX CAP SCREW	01-0007
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FLYWHEEL HOUSING	01-0005	HEX CAP SCREW	01-0011
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FUEL FILTER KIT	01-0020	HEX CAP SCREW	01-0013
FUEL FILTER KIT	01-0021	HEX CAP SCREW	01-0014
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FUEL FILTER WATER ALARM, (1)	01-0021	HEX CAP SCREW	01-0016
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FUEL PIPE	01-0021	HEX CAP SCREW	01-0019
FUEL PREFILTER	01-0020	HEX CAP SCREW	01-0020
FUEL PREFILTER	01-0021	HEX CAP SCREW	01-0021
FUEL PRESSURE SENSOR, (12)	01-0019	HEX CAP SCREW	01-0022
FUEL PRESSURE VALVE, (12)	01-0019	HEX CAP SCREW	01-0023
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FUSE, (23)	01-0023	HEX CAP SCREW, (1)	01-0002
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GASKET, (16)	01-0015	HEX SOCKET SCREW	01-0009
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