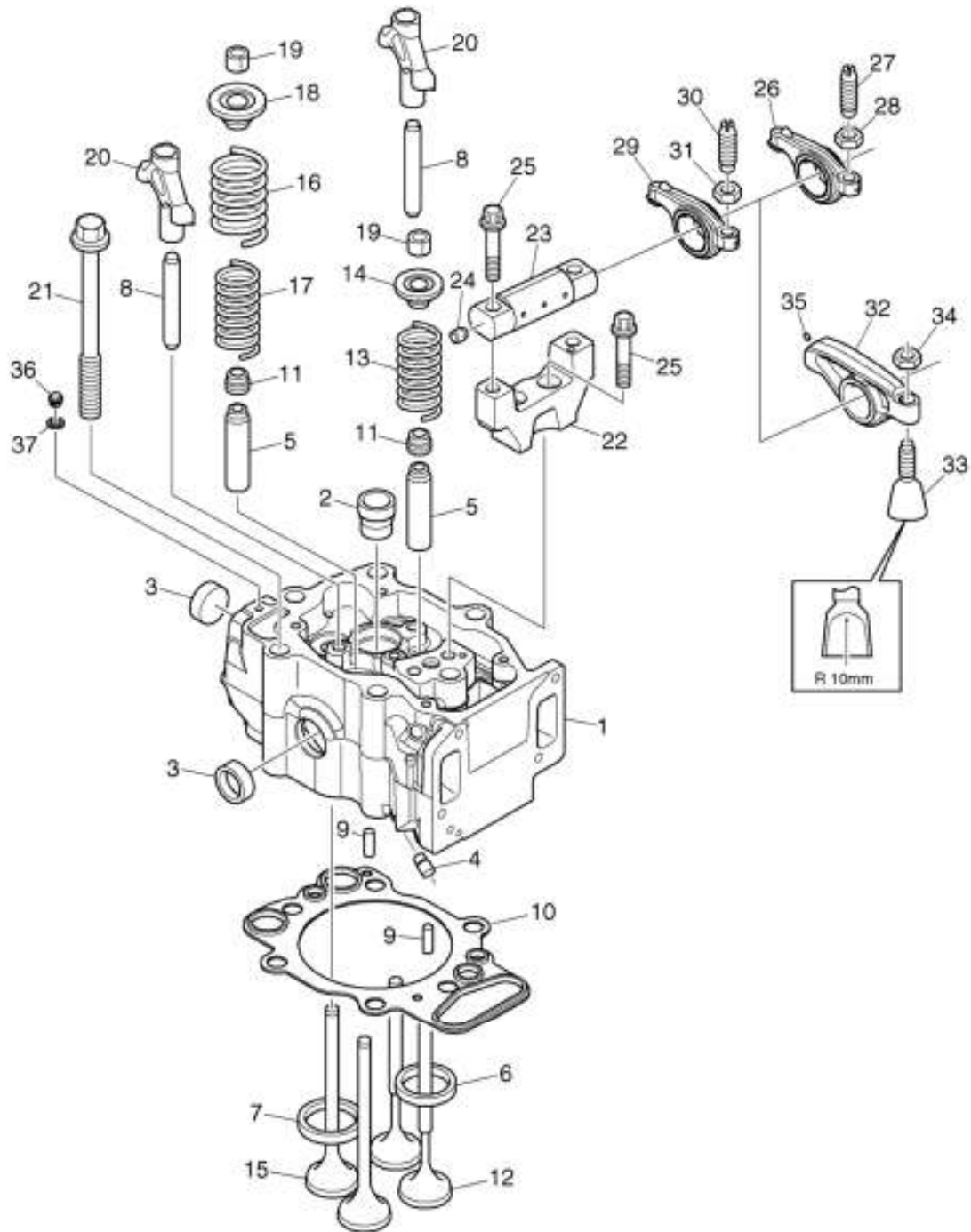




01-01-0009 Cylinder head, DC9A EMS

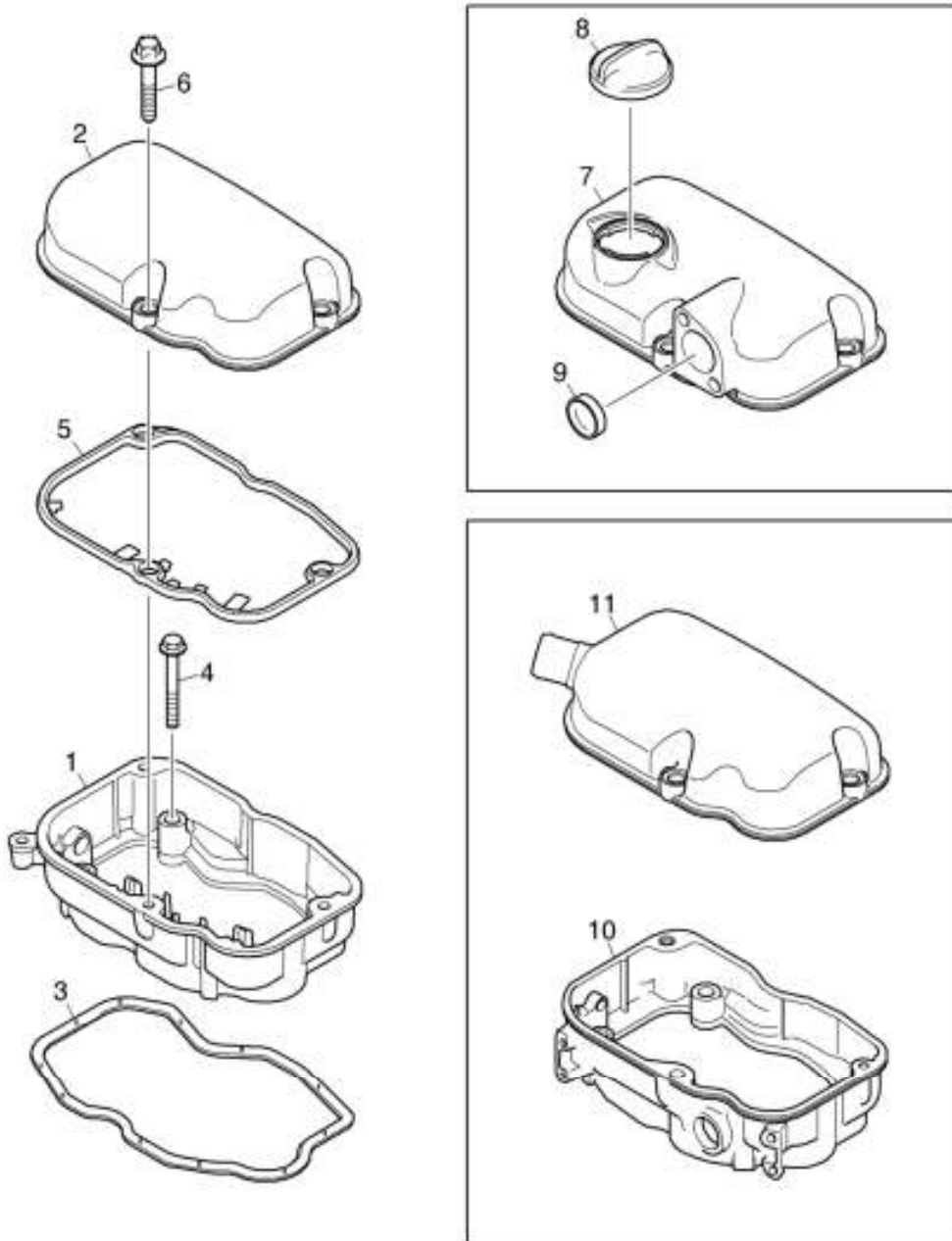


**01-01-0009 Cylinder head, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1846123	X 1750995 Stage2/Tier2	1	Cylinder head
	570123	D9, D11, D12	1	Cylinder head
2	1365196		1	•Sleeve
3	1345683	ø 36 mm	2	•Core plug
4	1752972	ø 7 mm	3	•Rivet
5	1403823		4	•Valve guide
6	1510399	intake, std std, Stage2/Tier2	2	•Valve seat insert
	1510400	intake, osz osz, Stage2/Tier2	2	Valve seat insert
7	1805493	1403828 exhaust, std std	2	•Valve seat insert
	1805494	1403829 exhaust, osz osz	2	Valve seat insert
8	1798631	803509	2	Pin
9	803466	8x20	2	Pin
10	1468555		1	Cylinder head gasket
11	1328563		4	Seal
12	1785076	1477022	2	Intake valve
13	1519700		2	Valve spring
14	1305723	intake	2	Valve spring collar
15	1791152	1445830	2	Exhaust valve
16	1519702		2	Valve spring
17	1519701		2	Valve spring
18	1305724	exhaust	2	Valve spring collar
19	377338		8	Split collet
20	1846932	1793873	2	Valve bridge
21	1852442	1451946	6	Screw
22	1487541		1	Bearing bracket
23	1520439		1	Shaft
24	1436192	ø 6 mm	1	•Rivet plug
25	1487542		4	Tight-fit screw
26	1438752	intake	1	Rocker arm
27	1481810	M10	1	•Adjusting screw
28	394640	M10	1	•Hexagon nut
29	1438755	exhaust	1	Rocker arm
30	1481810	M10	1	•Adjusting screw
31	394640	M10	1	•Hexagon nut
32	1521889	injector	1	Rocker arm
33	1863494	1534642	1	•Adjusting screw
34	815115	M12	1	•Hexagon nut
35	1440963		1	•Rivet plug
36	812369	M8x1x6	1	Screw plug
37	1478427		1	Seal
	1725112	See reference 1/99/9	1	Gasket kit
				Cylinder head



01-01-0018 Rocker cover, DC9A EMS



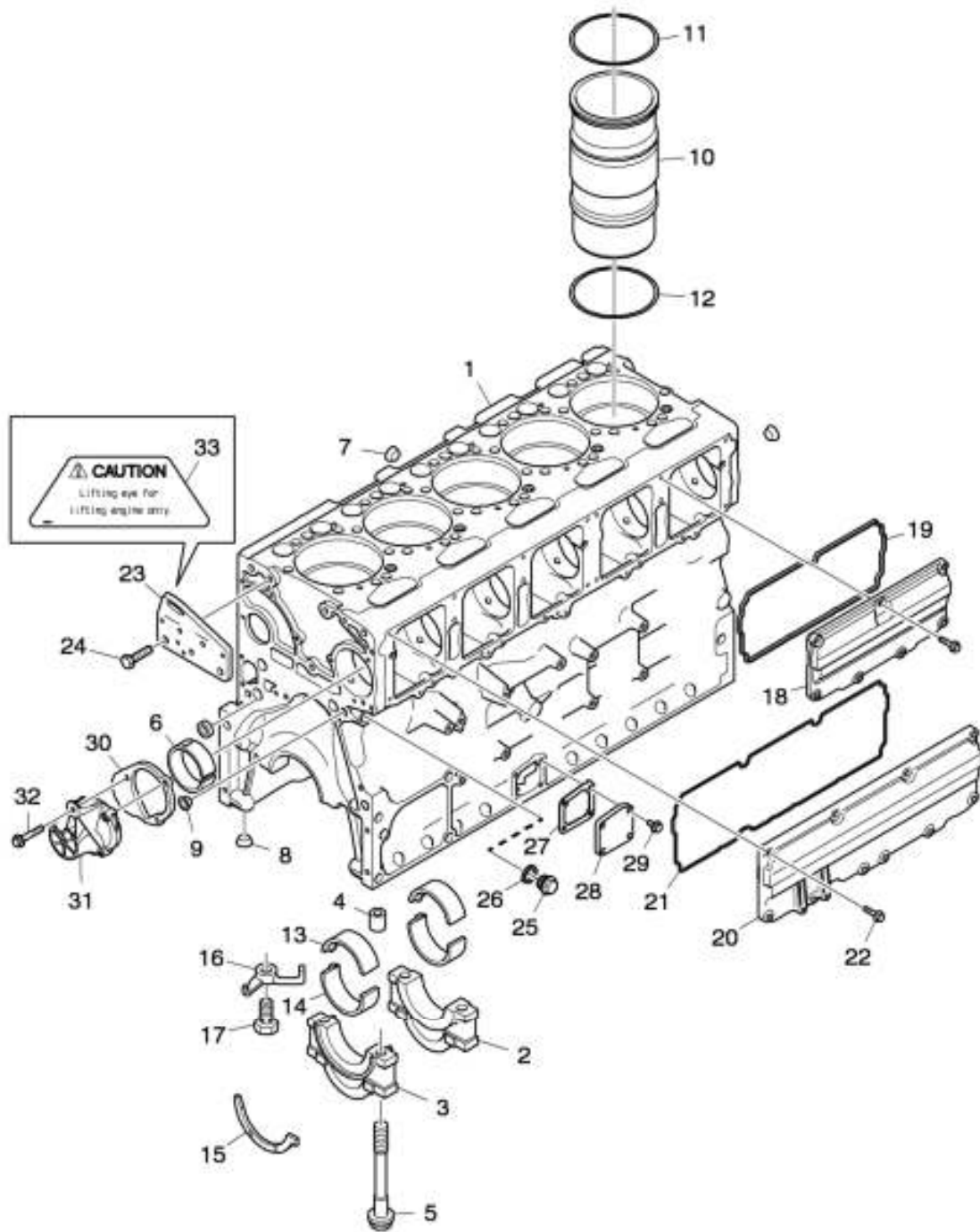
143857

**01-01-0018 Rocker cover, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1503190	lo	4	Rocker cover
2	1491697	up	3	Rocker cover
3	1449542	lo	5	Rocker cover gasket
4	812523	M8x50	20	Flange screw
5	1505366	up	5	Rocker cover gasket
6	1422162		15	Flange screw
7	1884741	1721074	1	Rocker cover
7	1861831	option	1	Rocker cover
8	931106		1	Filler cap
9	1345682	ø 25 mm	1	Core plug
10	1519140	lo	1	Rocker cover
11	1797010	1517928	1	Rocker cover
	1725112	See reference 1/99/9	1	Gasket kit



01-05-1818 Cylinder block, DC9A EMS



302156

**01-05-1818 Cylinder block, DC9A EMS**

Series no. EN 6386729- SSS
EN 8712470- SLA

Pos.	Part no.	Remark	A	Description
1	1859438	1858295	1	Cylinder block
2		nss	5	•Bearing cap
3		nss	1	•Bearing cap
4	1858287		12	•Guide sleeve
5	1858292	M19x190	12	•Screw
6	1412298		6	•Bearing bush
7	1345683	∅ 36 mm	2	•Core plug
8	1378301	∅ 21 mm	6	•Core plug
9	1526483	∅ 14 mm	1	•Core plug
10	1868159		5	Cylinder liner
11	1768938	∅ 142.5x3.5 mm	5	O-ring
12	1730424	∅ 148.5x4 mm	5	O-ring
3+14	1779130	STD	6	Bearing
	1777779	usz -0.25, assy	6	Bearing
	1777780	usz -0.50, assy	6	Bearing
	1777781	usz -0.75, assy	6	Bearing
	1777782	usz -1,00, assy	6	Bearing
15	1350815	STD	4	Thrust bearing
	1439892	osz +0.16	4	Thrust bearing
	1439893	osz +0.26	4	Thrust bearing
	1439894	osz +0.52	4	Thrust bearing
	1439895	osz +1.02	4	Thrust bearing
16	1526821		5	Piston cooling nozzle
17	1525387	M10	5	•Banjo screw
18	1835795		1	Side cover
19	1497061		1	Gasket
20	1508329		1	Side cover
21	1508331		1	Gasket
22	1402555	M8x30	17	Flange screw
23	1479472		1	Lifting eye
24	1368493	M12x30 EN 6325138- SSS	2	Flange screw
25	812374	M18x1.5x9	1	Screw plug
26	1373794		1	Sealing washer
27	1425173		1	Cover
28	1510331		1	Gasket
29	812516	M8x20	4	Flange screw



SCANIA

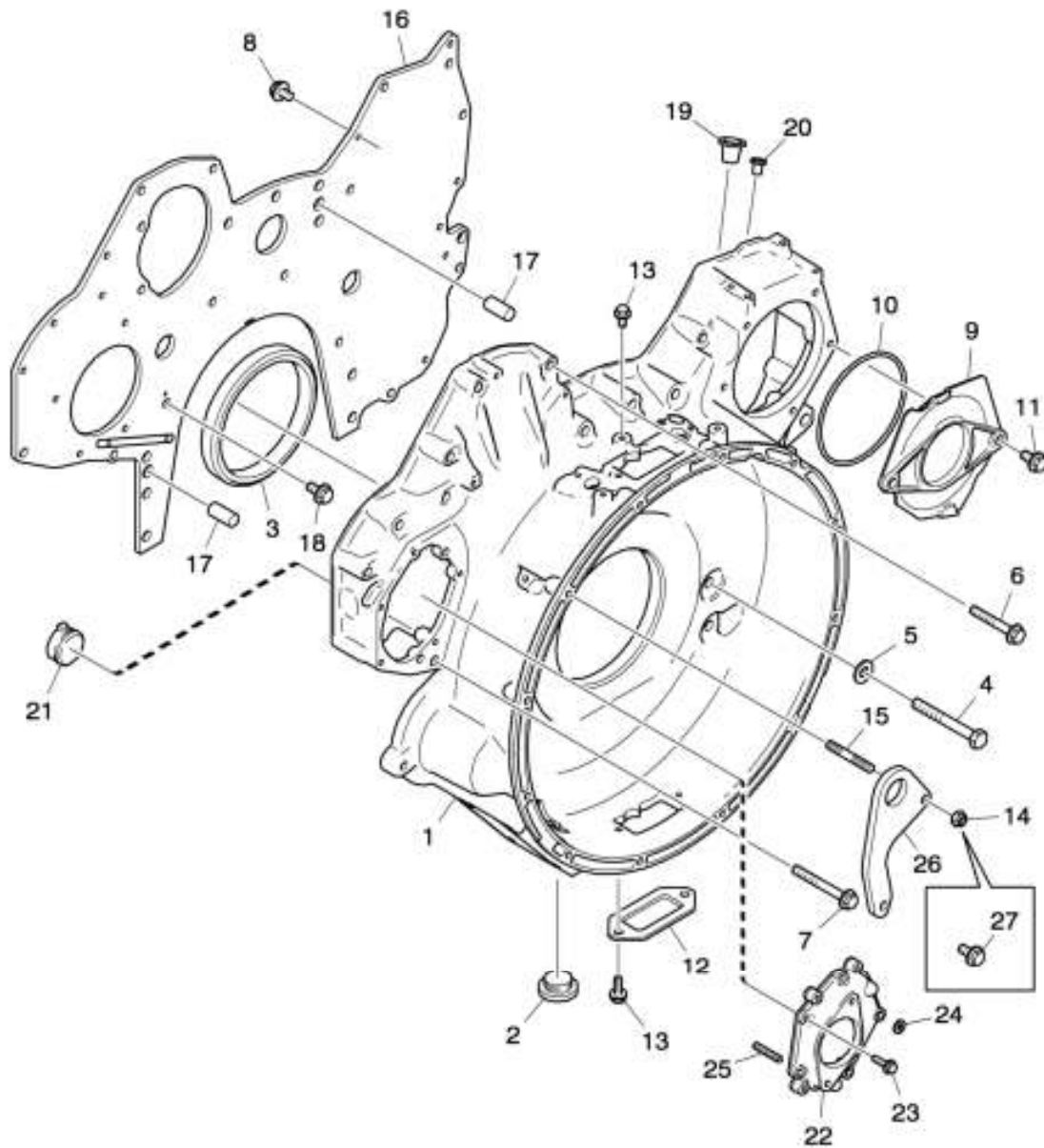


01-05-1818 Cylinder block, DC9A EMS

Pos.	Part no.	Remark	A	Description
30	1484309		1	Gasket
31	1479781		1	Cover
32	812521	M8x40	3	Flange screw
33	1860374		1	Warning plate



01-05-1811 Flywheel housing, timing gear plate, DC9A EMS



156104

01-05-1811 Flywheel housing, timing gear plate, DC9A EMS

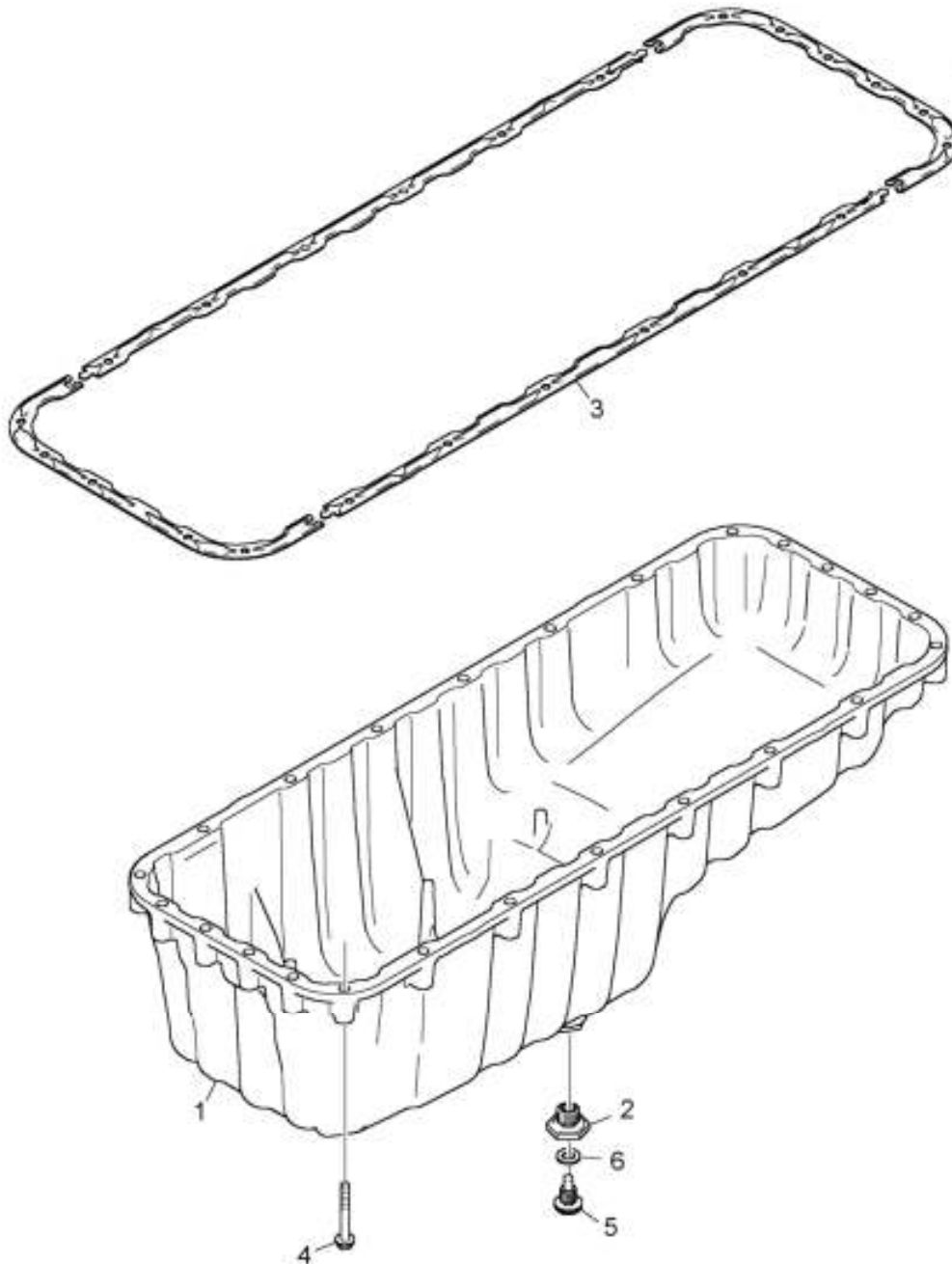
Series no.

EN 6338331- SSS

Pos.	Part no.	Remark	A	Description
1	1724541		1	Flywheel housing
	1429109		1	Plug
	804870	16,3X2,4	1	O-ring
	812989	M6x16	1	Self-tapping screw
2	1423446		2	Cover
3	1757903	ø185 mm	1	Seal
4	814898	M12x100 As Spare Parts	9	Hexagon screw
5	132248	13x28 As Spare Parts	9	Washer
6	812543	M10x60	12	Flange screw
7	812547	M10x80	1	Flange screw
7	1360987	M10x110	1	Flange screw
	815615	M10	1	Lock nut
8	812537	M10x30	6	Flange screw
	812540	M10x45	1	Flange screw
9	1725582	Engine without power take-off.	1	Cover
10	1437280	144,5x3 Engine without power take -off.	1	•O-ring
11	812537	M10x30 Engine without power take -off.	2	Flange screw
12	16022		2	Cover
13	812516	M8x20	5	Flange screw
14	815133	M10	12	Flange nut
15	800610	M10x50	12	Stud
16	1548221		1	Timing gear plate
16	1867337		1	Timing gear plate
17	803579	16x35	2	Pin
18	1360986	M10x30	6	Flange screw
19	1480948	ø17	1	Protective cap
20	1480949	ø5	1	Protective cap
21	1448894	For automatic gearbox.	1	Plug
22		SAE A See reference 1/55/18		Bearing housing
23	1462318		5	Flange screw
24	802998	8.4x16x1.6	1	Washer
25	803490	10x25	2	Pin
26	1360442		2	Lifting eye
27	812537	M10x30 option	4	Flange screw



01-05-1807 Oil sump, DC9A EMS



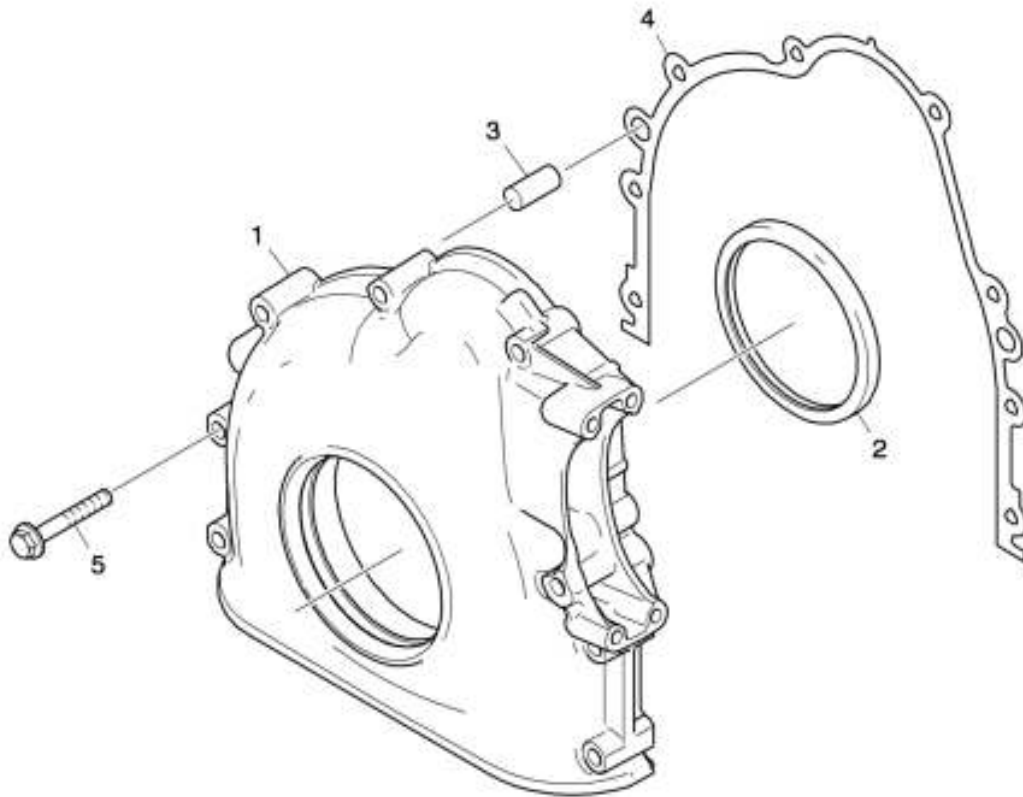
134060

**01-05-1807 Oil sump, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1766823		1	Oil sump
2	180435	M24xM30	1	•Reducing union
3	1865676	1744776	1	Gasket
4	1846120	M8x60 EN 6368573- SSS	24	Flange screw
5	1433641	1423608	1	Magnetic plug
6	1439814	24,2 x 4,2	1	Sealing washer



01-05-1800 Casing, crankshaft damper, DC9A EMS



131264

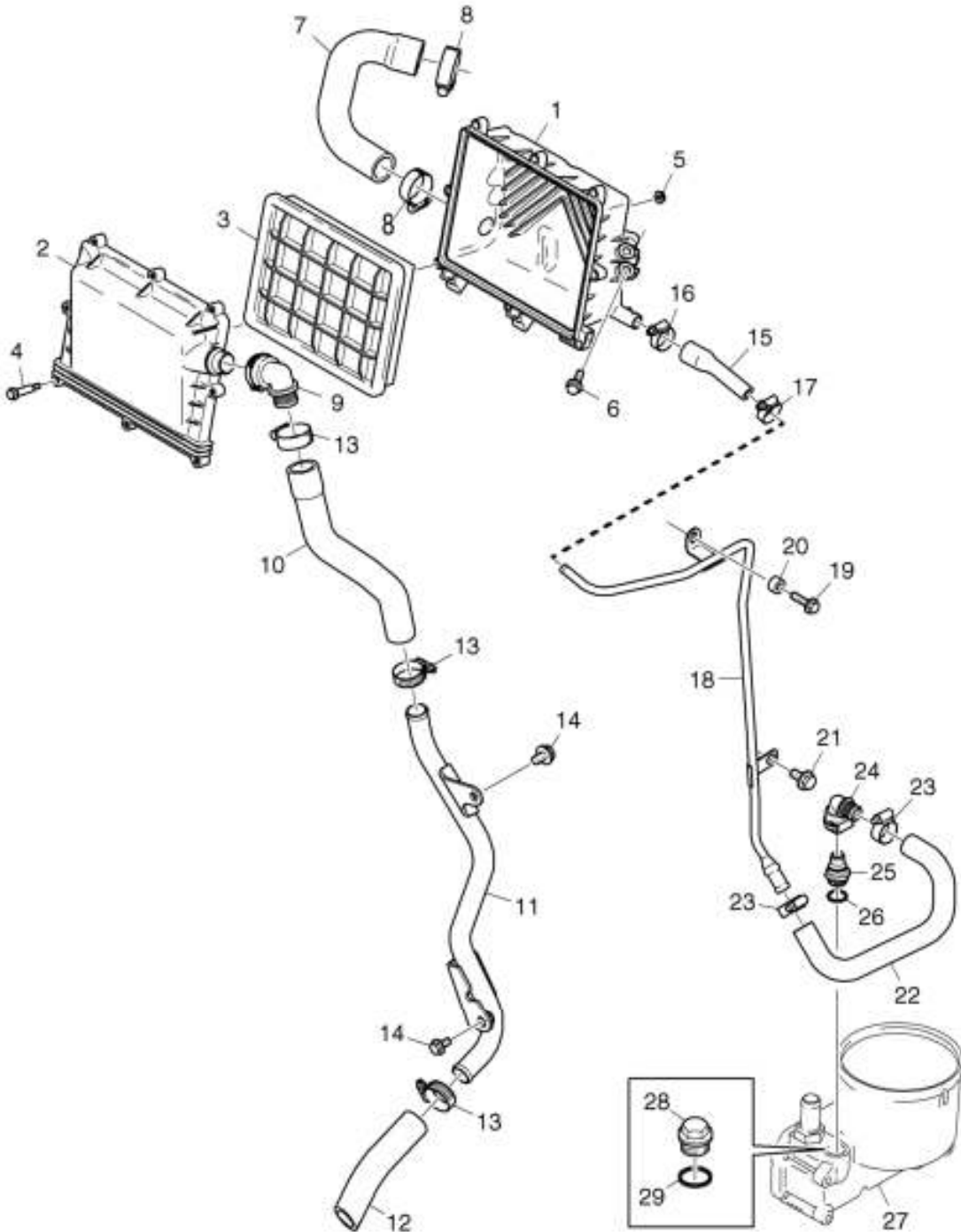


01-05-1800 Casing, crankshaft damper, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1794184	1794095	1	Front cover
2	1392708		1	•Shaft seal
3	803579	16x35	2	Pin
4	1403129		1	Gasket
5	812543	M10x60	8	Flange screw



01-05-1817 Crankcase ventilation, open, DC9A EMS



150630

01-05-1817 Crankcase ventilation, open, DC9A EMS

Series no.

EN 6391150- SSS

Pos.	Part no.	Remark	A	Description
1	1543778		1	Filter housing
2	1543779		1	•Cover
3	1539675		1	•Crankcase ventilation filter
4	1733637		8	•Screw
5	1733638		8	•Nut
6	812519	M8x30	4	Flange screw
7	1519088		1	Hose
8	1466102	ø 30-45	2	Hose clamp
9	1507555		1	Elbow union
10	1546978		1	Hose
11	1856510		1	Pipe
12	1856512		1	Hose
13	1898748		3	Hose clamp
14	812535	M10x22	2	Screw
15	1521421		1	Hose
16	1466075	ø 23-35	1	Hose clamp
17	1466073	ø 12-22	1	Hose clamp
18	1521411		1	Pipe
19	812519	M8x30	1	Flange screw
20	135470	L=10 mm	1	Spacing tube
21	812534	M10x20	1	Flange screw
22	1881370		1	Hose
23	1466074	ø 16-27	2	Hose clamp
24	1799683		1	Connector
25		nss	1	Union
26		nss	1	•O-ring
27		See reference 1/20	1	Centrifugal oil cleaner
28	812376	M22x1.5x9 option	1	Screw plug
29	1374839	option	1	Sealing washer

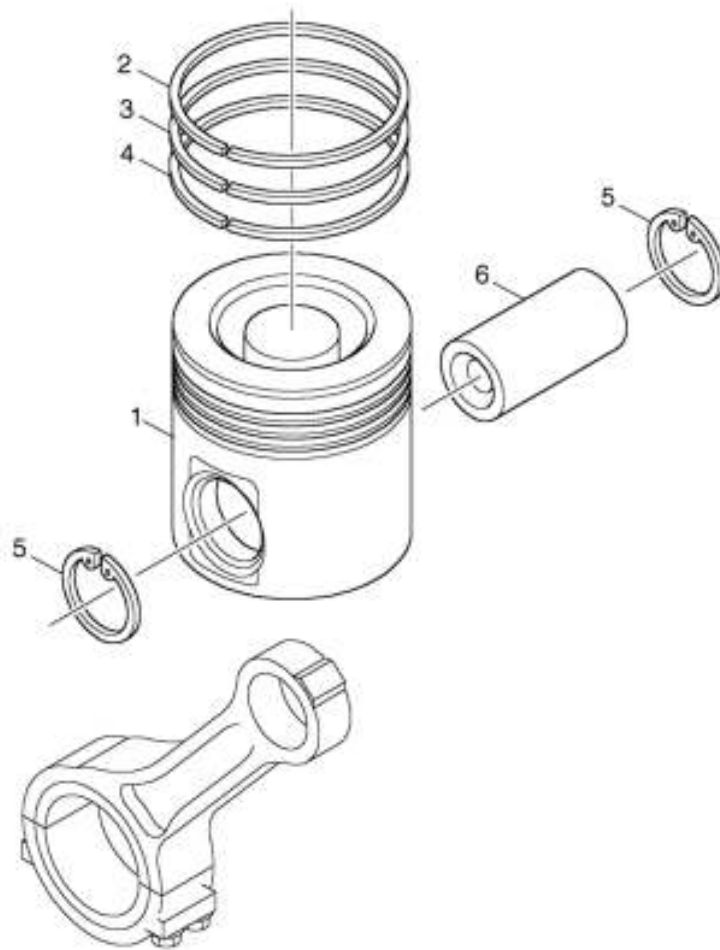
01-10-0037 Crank mechanism, DC9A EMS, SAE 11.5" / 14"
Series no.

EN 6299927- SSS

Pos.	Part no.	Remark	A	Description
1	1538036		5	Connecting rod
2	1732524	M14x70	2	•Screw
3	1440359		1	•Bearing bush
4		nss	1	•Bearing cap
5	1745175	1785692	5	Connecting rod bearing
	1786249	usz -0.25	5	Bearing shell
	1786250	usz -0.50	5	Bearing shell
	1786251	usz -0.75	5	Bearing shell
	1786252	usz -1	5	Bearing shell
6	1490686	X	1	Crankshaft
	574420		1	Crankshaft
7	1494184		1	•Gear
8	1534763	1731554	1	Crankshaft damper
9	1514668		1	Shaft journal
10	1365812	M14x74.5	6	Screw
11	1466704		1	Crankshaft gear
12	803519	12x40	1	Pin
13	1772677	SAE 14" coupling	1	Flywheel
14	1471237		1	•External ring gear
15	1402197		1	Washer
16	1390373		10	Screw
17		See reference 1/10	6	Piston



01-10-0001 Piston, DC9A EMS



131439

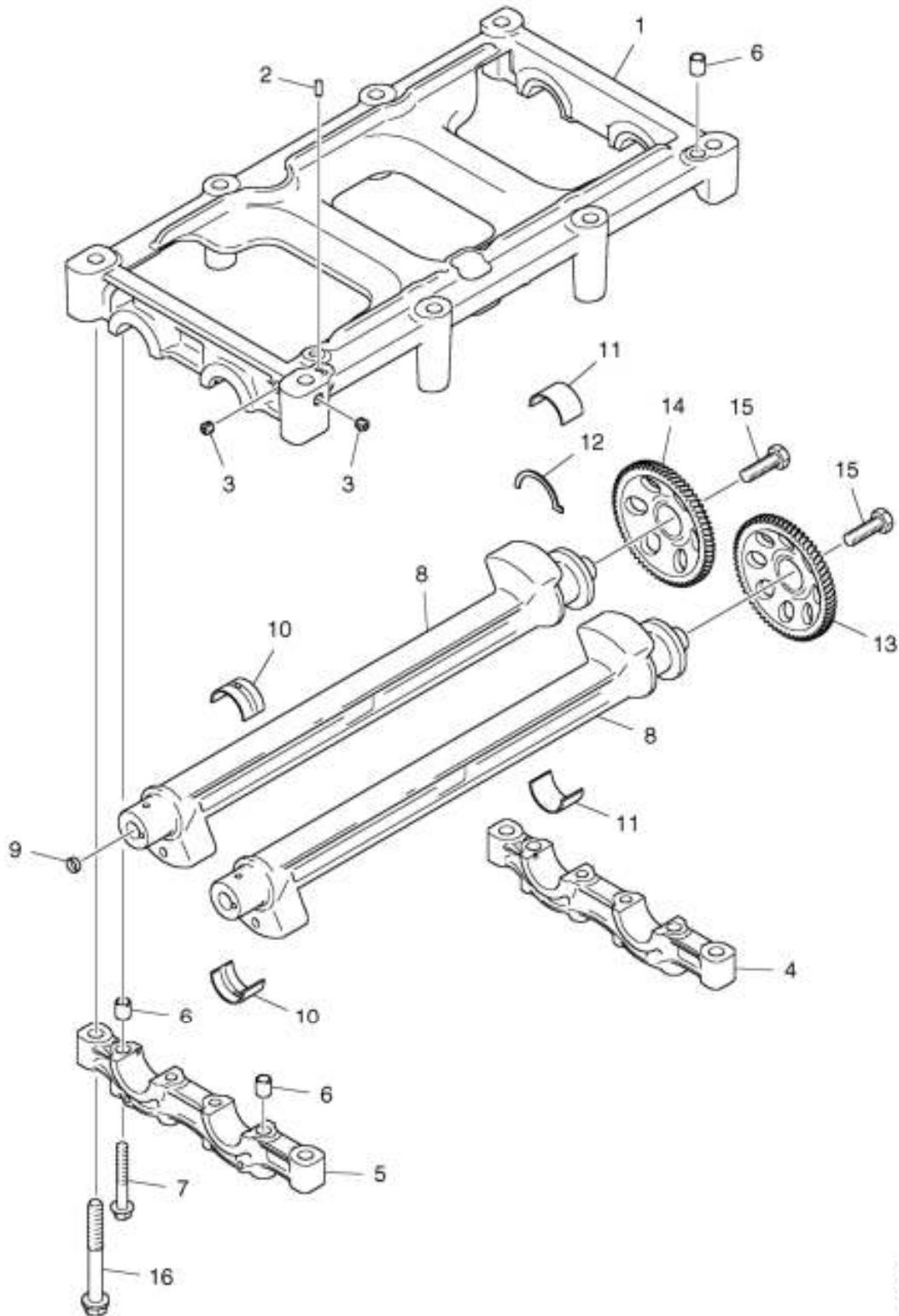


01-10-0001 Piston, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1778069	assy Single speed	5	Piston
	550255		1	•Piston ring kit
2	1739082	1424902	1	••Compression ring
3	247573	lo	1	••Compression ring
4	1449520	1304642	1	••Oil scraper ring
5	1305643		2	•Retaining ring
6	1305629		1	•Gudgeon pin
		Single speed See reference 1/99/18	1	
				Piston and cylinder liner



01-10-0009 Balance shaft unit, DC9A EMS



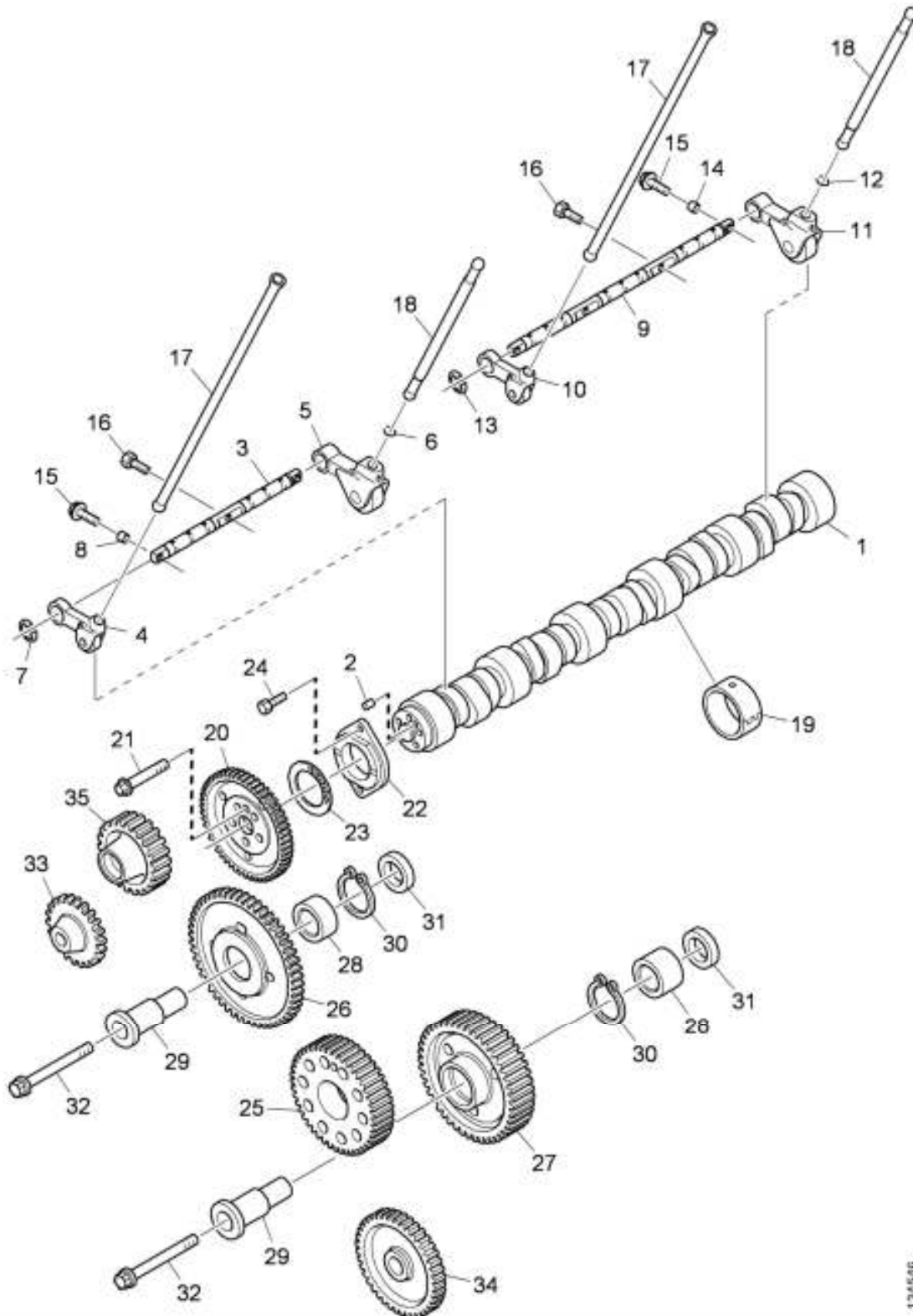
134391

**01-10-0009 Balance shaft unit, DC9A EMS**

Pos.	Part no.	Remark	A	Description
	1509489	assy	1	Balance shaft frame
1		nss	1	•Balance shaft frame
2	803445	6x16	2	•Dowel
3	813201	M10x1Kx9	2	•Screw plug
4		nss	1	•Bearing cap
5		nss	1	•Bearing cap
6	1414120		5	•Guide sleeve
7	1108053	M10x70	8	•Screw
8	1521172	1490689	2	Balance shaft
9	812315		1	•Plug
10	1490691	fr	4	Bearing
11	1490692	rear	4	Bearing
12	1490693		4	Thrust bearing
13	1494185	LH	1	Gear
14	1494186	RH	1	Gear
15	394589	M12x40	2	Hexagon screw
16	1509492	M14x110	8	Flange screw



01-15-0009 Timing gear, DC9A EMS



134546

01-15-0009 Timing gear, DC9A EMS

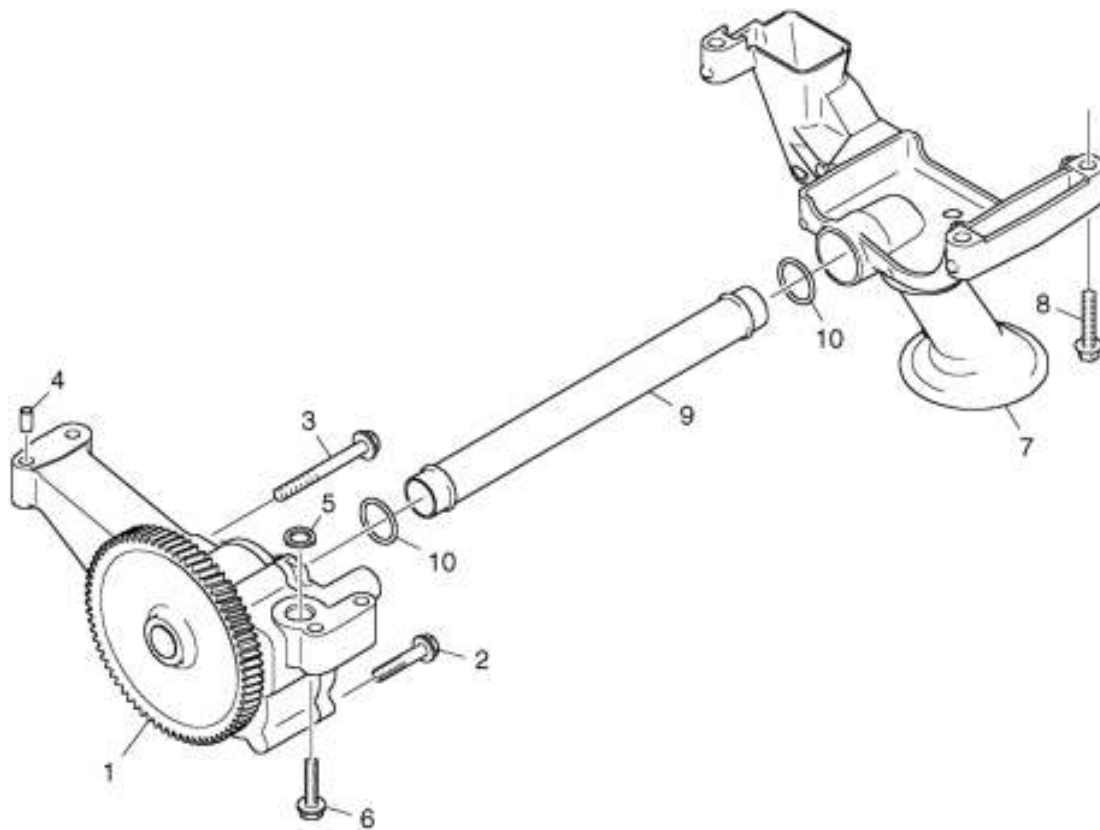
Pos.	Part no.	Remark	A	Description
1	1726075		1	Camshaft
2	803490	10x25	1	Pin
	1540119	assy	1	Valve tappet
3		nss	1	•Shaft
4	1512895		4	•Roller tappet
5	1540120		2	•Roller tappet
6	1421102		1	••Snap ring
7	1393390		4	•Retaining ring
8	1331933		2	•Guide sleeve
	1726797	1529354 assy	1	Shaft
9		nss	1	•Shaft
10	1512895		6	•Roller tappet
11	1540120		3	•Roller tappet
12	1421102		1	••Snap ring
13	1393390		6	•Retaining ring
14	1331933		2	•Guide sleeve
15	1402555	M8x30	4	Flange screw
16	1848301	1529814	3	Banjo screw
17	1886759	1537951	10	Pushrod
18	1439145		5	Pushrod
19		See reference 1/10	6	Camshaft bearing
20	1479921		1	Gear
21	394595	M10x40	5	Hexagon screw
22	1381970		1	Guide flange
23	1423939		1	Thrust washer
24	1360986	M10x30	2	Flange screw
25		See reference 1/10	1	Crankshaft gear
26	1398294		1	Gear
27	1376355	Engine prepared for power take-off.	1	Intermediate gear
28	1774646	1774645	1	Bearing
	1774646	1774645 Engine prepared for power take-off.	2	Bearing
29	1362621		1	Shaft
	1362621	Engine prepared for power take-off.	2	Shaft
30	804842	∅ 80mm	1	Snap ring
	804842	∅ 80mm Engine prepared for power take-off.	2	Snap ring
31	1353861		1	Spacing sleeve
	1353861	Engine prepared for power take-off.	2	Spacing sleeve
32	1351682	M18x120	1	Screw



01-15-0009 Timing gear, DC9A EMS

Pos.	Part no.	Remark	A	Description
	1351682	M18x120 Engine prepared for power take-off.	2	Screw
33		See reference 13/15		Pump gear
34		See reference 1/20		Oil pump gear
35	1775248	1732078	1	Compressor gear

01-20-0032 Oil pump, for normal oil sump, DC9A EMS



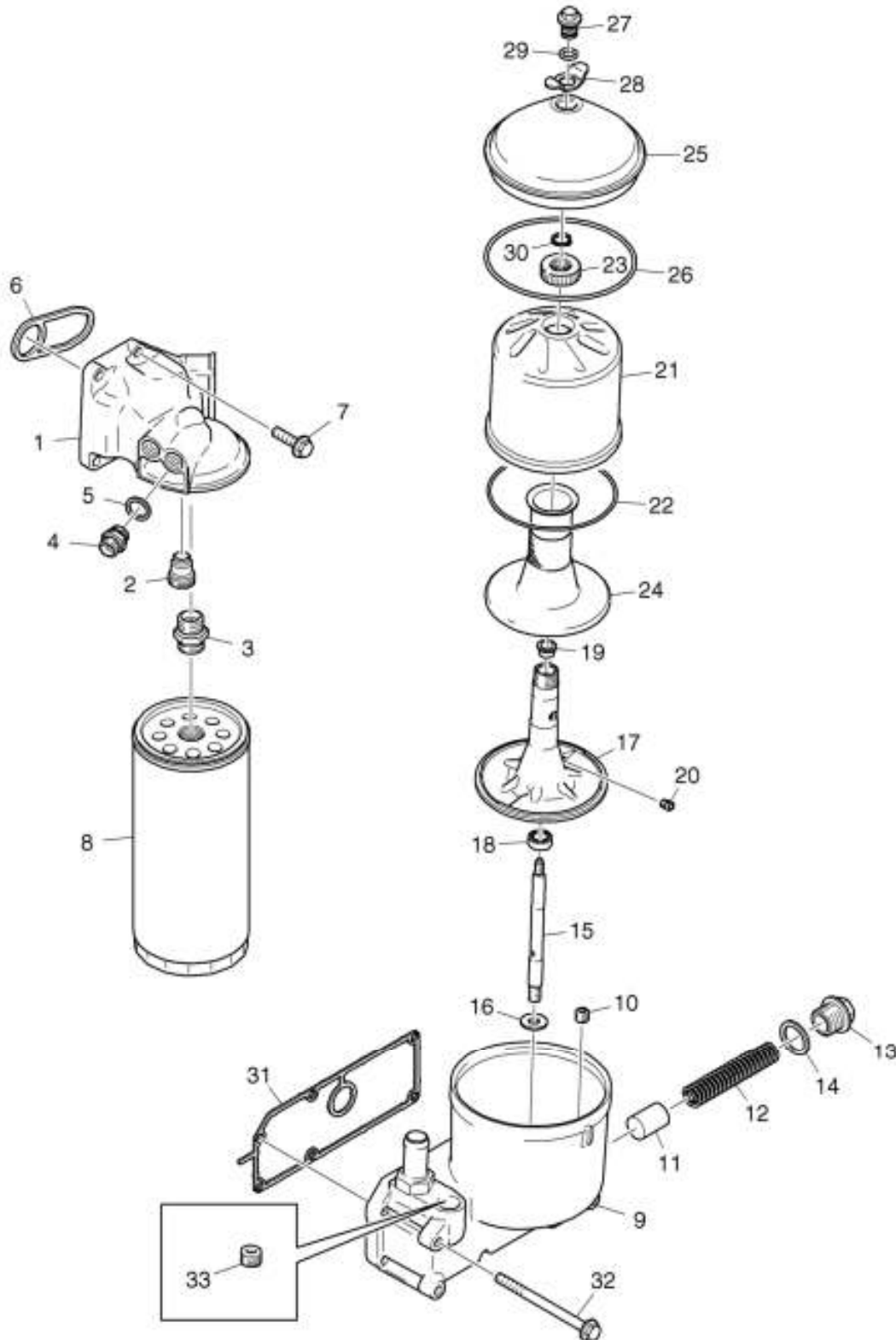
134550

**01-20-0032 Oil pump, for normal oil sump, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1500108	assy	1	Oil pump
2	812522	M8x45	4	•Flange screw
3	812526	M8x65	2	•Screw
4	1331933		4	•Guide sleeve
5	1351692		1	Gasket
6	1362922	M8x60	4	Flange screw
7	1500109		1	Suction pipe
8	812521	M8x40	3	Flange screw
9	1493543		1	Tube
10	197800	26.2x3	2	O-ring



01-20-0063 Centrifugal oil cleaner, oil filter, DC9A EMS



301154

01-20-0063 Centrifugal oil cleaner, oil filter, DC9A EMS

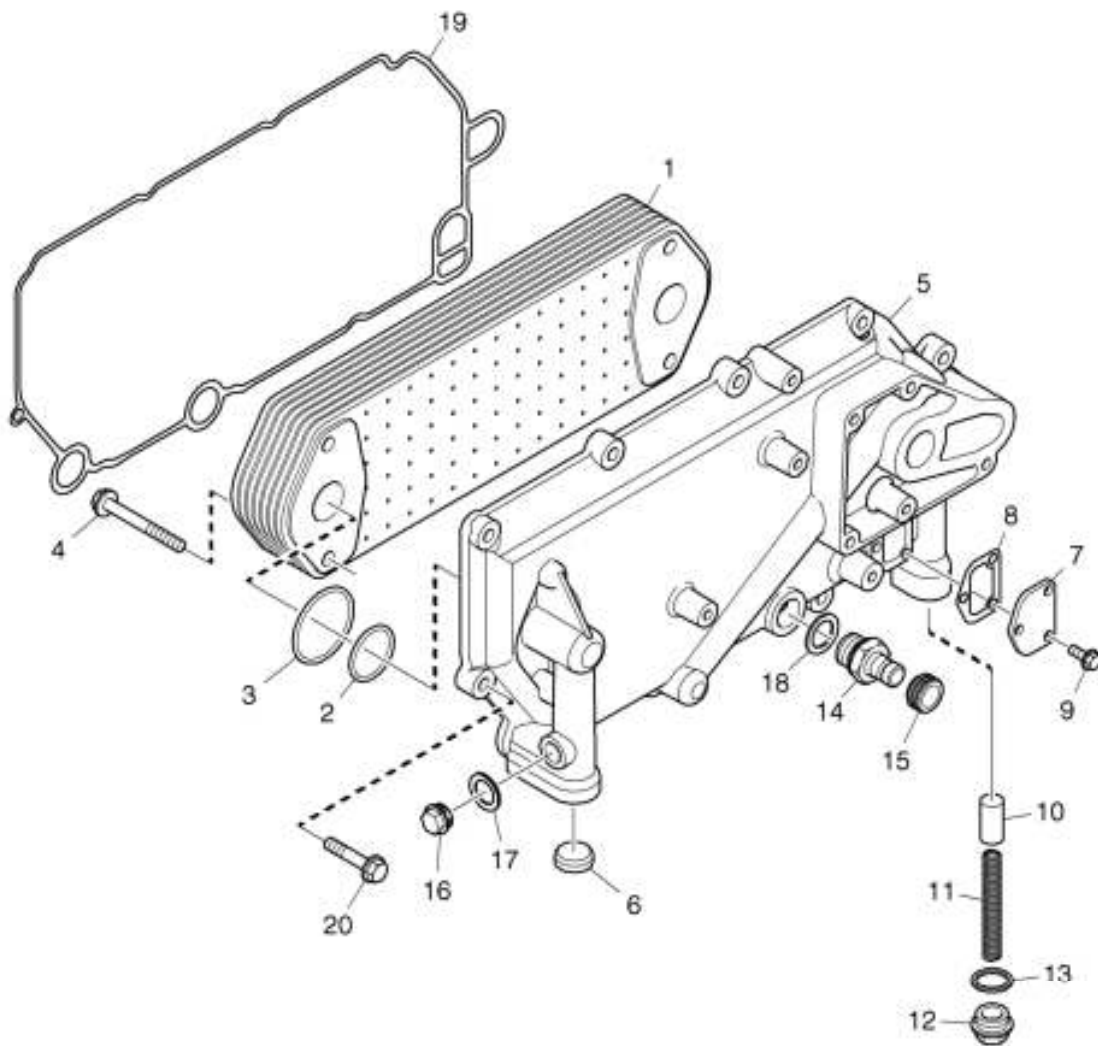
Series no.

EN 6391150- SSS

Pos.	Part no.	Remark	A	Description
1	1502757		1	Filter head
2	1420963		1	•Overflow valve
3	1502758		1	•Union
4	813198		1	•Straight union
5	1373793		1	•Sealing washer
6	1479872		1	Gasket
7	812519	M8x30	4	Flange screw
8	1117285		1	Oil filter
	1776593		1	Centrifugal oil cleaner
9		nss	1	•Housing
10	813202	M12x1.5Kx11	1	••Screw plug
11	259102		1	••Piston
12	1803270		1	••Spring
13	1803271		1	••Plug
14	812418	22.2x26.9	1	••Gasket
15	1475436		1	••Shaft
16	211808		1	••Washer
	1475426		1	•Rotor assy
	1475431		1	••Rotor
17		nss	1	•••Rotor
18		nss	1	•••Bearing
19		nss	1	•••Bearing
20		nss	2	•••Nozzle
21	1475432		1	••Cover
22	1769800	117,07 x 3,53	1	••O-ring
23	1475434		1	••Nut
24	1475435		1	••Strainer
		nss	1	•Cover assy
25	372980		1	••Cover
26	1769799	133,0x3,53	1	••O-ring
27	372981		1	••Lock nut
28	372982		1	••Washer
29	372983		1	••O-ring
30	804772	ø 16	1	••Snap ring
31	1885869	1774600	1	Gasket
32	812531	M8x100	4	Flange screw
33	813202	M12x1.5Kx11	1	Screw plug



01-20-0057 Oil cooler, DC9A EMS



151181

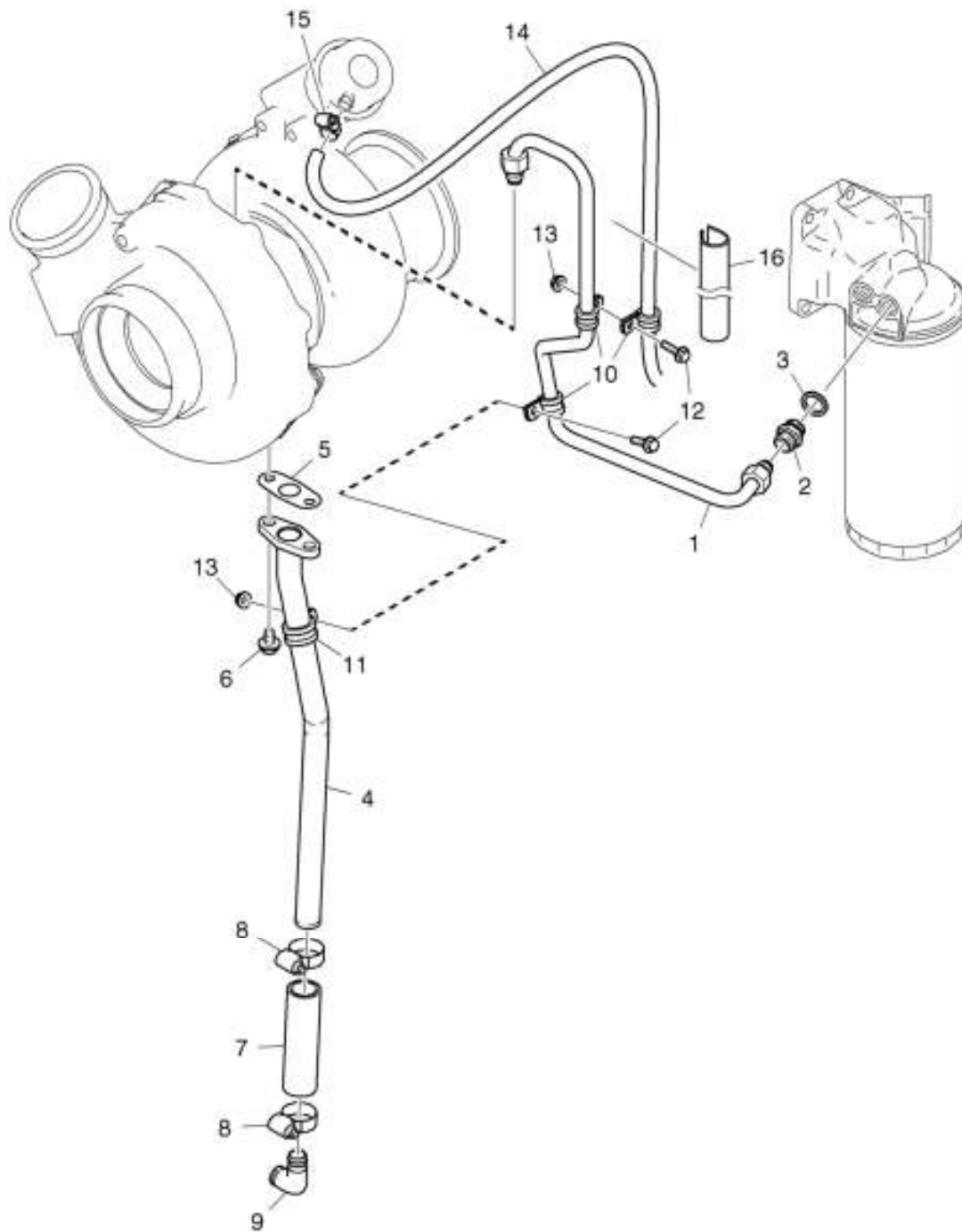
01-20-0057 Oil cooler, DC9A EMS

Footnote For engines with closed crankcase ventilation.

Series no. EN 6368628- SSS

Pos.	Part no.	Remark	A	Description
1	1400861	D9	1	Oil cooler
2	1484765		2	Gasket
3	1484766		2	Gasket
4	812527	M8x70	4	Flange screw
	1795526	assy	1	Oil cooler cover
5		nss	1	•Oil cooler cover
6	1345682	ø 25 mm	2	•Core plug
7	372098		1	•Cover
8	1391726		1	•Gasket
9	812502	M6x16	3	•Flange screw
10	259102		1	•Piston
11	302473		1	•Spring
12	812376	M22x1.5x9	1	•Screw plug
13	812418	22.2x26.9	1	•Gasket
14	1853404		1	•Union
15	1350362		1	•Protection sleeve
16	813198		1	•Straight union
17	1373793		1	•Sealing washer
18	1374839		1	Sealing washer
19	1746135		1	Gasket
20	812521	M8x40	10	Flange screw

01-20-0111 Lubrication, turbocharger, high mounted, DC9 65A EMS



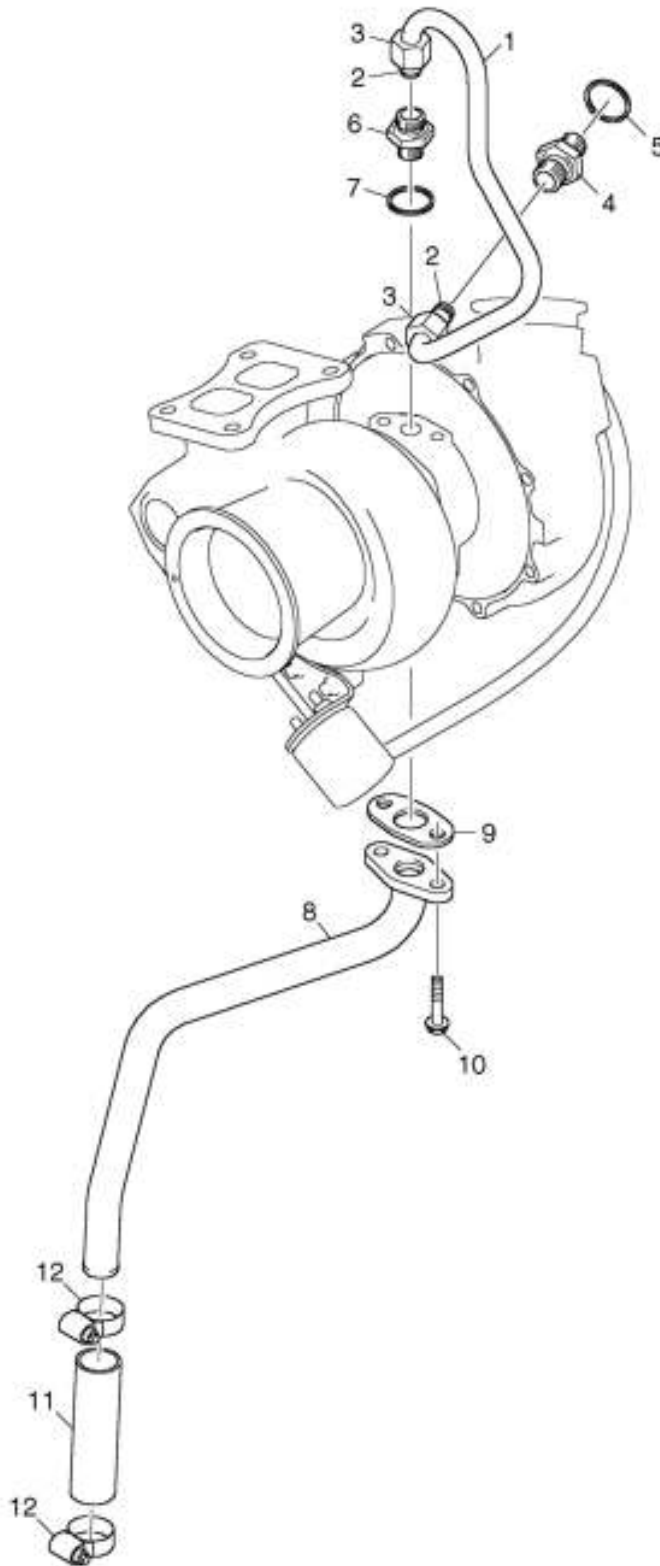
147482

**01-20-0111 Lubrication, turbocharger, high mounted, DC9 65A EMS**

Pos.	Part no.	Remark	A	Description
1	1787893	assy	1	Lubrication pipe
	813223	∅ 12	2	•Ferrule
	814555	∅ 12	2	•Union nut
2	813198		2	Straight union
3	1471271		2	Gasket
4	1872124	1787892	1	Lubrication oil return pipe
5	1511652		1	Gasket
6	812516	M8x20	2	Flange screw
7	1477121	22x4, L=105mm	1	Hose
8	1466101	∅ 23-35	2	Hose clamp
9	367171		1	Elbow union
10	813936	∅ 12mm	3	Clamp
11	320762	∅ 22mm	1	Clamp
12	812502	M6x16	2	Flange screw
13	815131	M6	2	Flange nut
14		See reference 1/30/12		Hose
15		See reference 1/30/12		Hose clamp
16	1798470		1	Heating film



01-20-0114 Lubrication, turbocharger, low mounted, DC9A EMS



134581

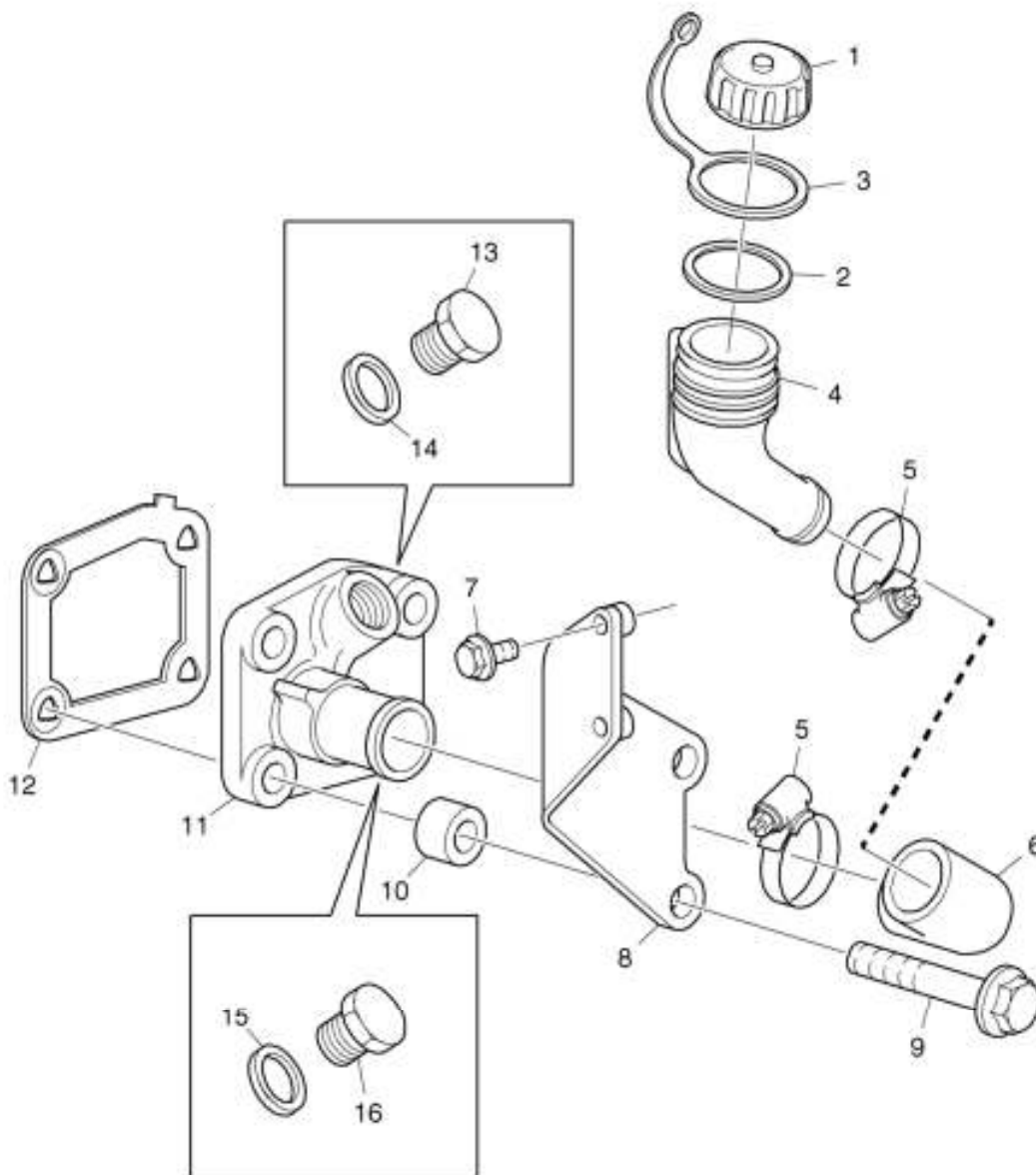
01-20-0114 Lubrication, turbocharger, low mounted, DC9A EMS
Series no.

EN -6519383 SSS

Pos.	Part no.	Remark	A	Description
1	1899811	1800653	1	Lubrication pipe
2	813223	∅ 12	2	•Ferrule
3	814555	∅ 12	2	•Union nut
4		See reference 1/20	1	Straight union
5		See reference 1/20	1	Seal
6	813198		1	Straight union
7	1471271		1	Gasket
8	1724432		1	Return pipe
9	1511652		1	Gasket
10	812516	M8x20	2	Flange screw
11	1477121	22x4, L=105mm	1	Hose
12	1466101	∅ 23-35	2	Hose clamp



01-20-0026 Oil filler, cylinder block, DC9A EMS



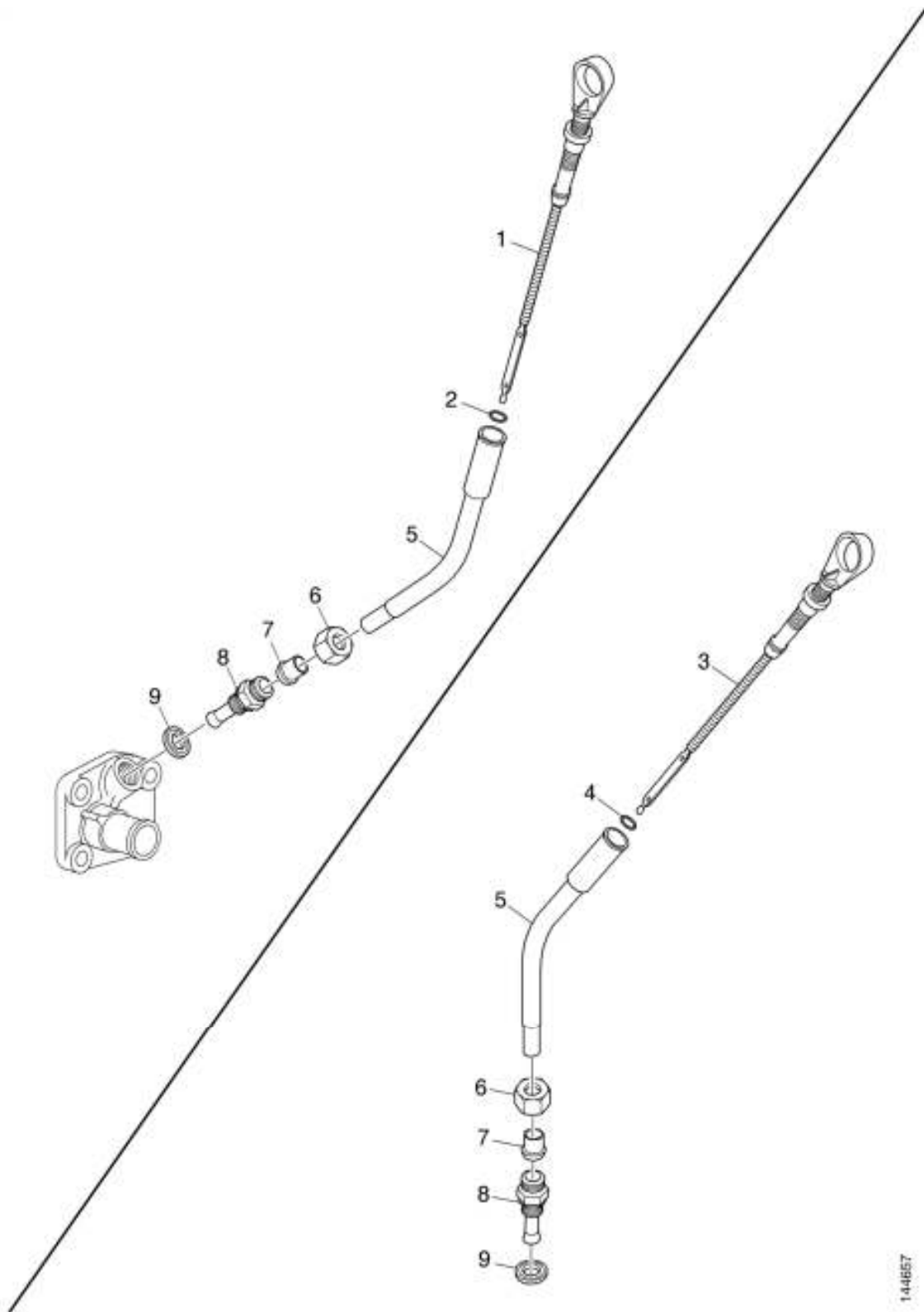
150252

**01-20-0026 Oil filler, cylinder block, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1544036	assy	1	Cover
2	1540355		1	•Gasket
3	1356218		1	Holder
4	1407389		1	Pipe
5	1466076	816112 ø 30-45	2	Hose clamp
6	1520630		1	Hose
7	812502	M6x16	2	Flange screw
8	1520629		1	Bracket
9	812522	M8x45	2	Flange screw
	812519	M8x30	2	Flange screw
10	135470	L=10 mm	2	Spacing tube
11	1433035		1	Flange pipe
12	1510331		1	Gasket
13	812373	M16x1.5x9 alt.	1	Screw plug
14	1373793	alt.	1	Sealing washer
15	812419	24.3x28.9 alt.	1	Gasket
16	812377	M24x1 alt.	1	Screw plug



01-20-0028 Oil dipstick, DC9A EMS, oil dipsick short



144657



01-20-0028 Oil dipstick, DC9A EMS, oil dipsick short

Qty

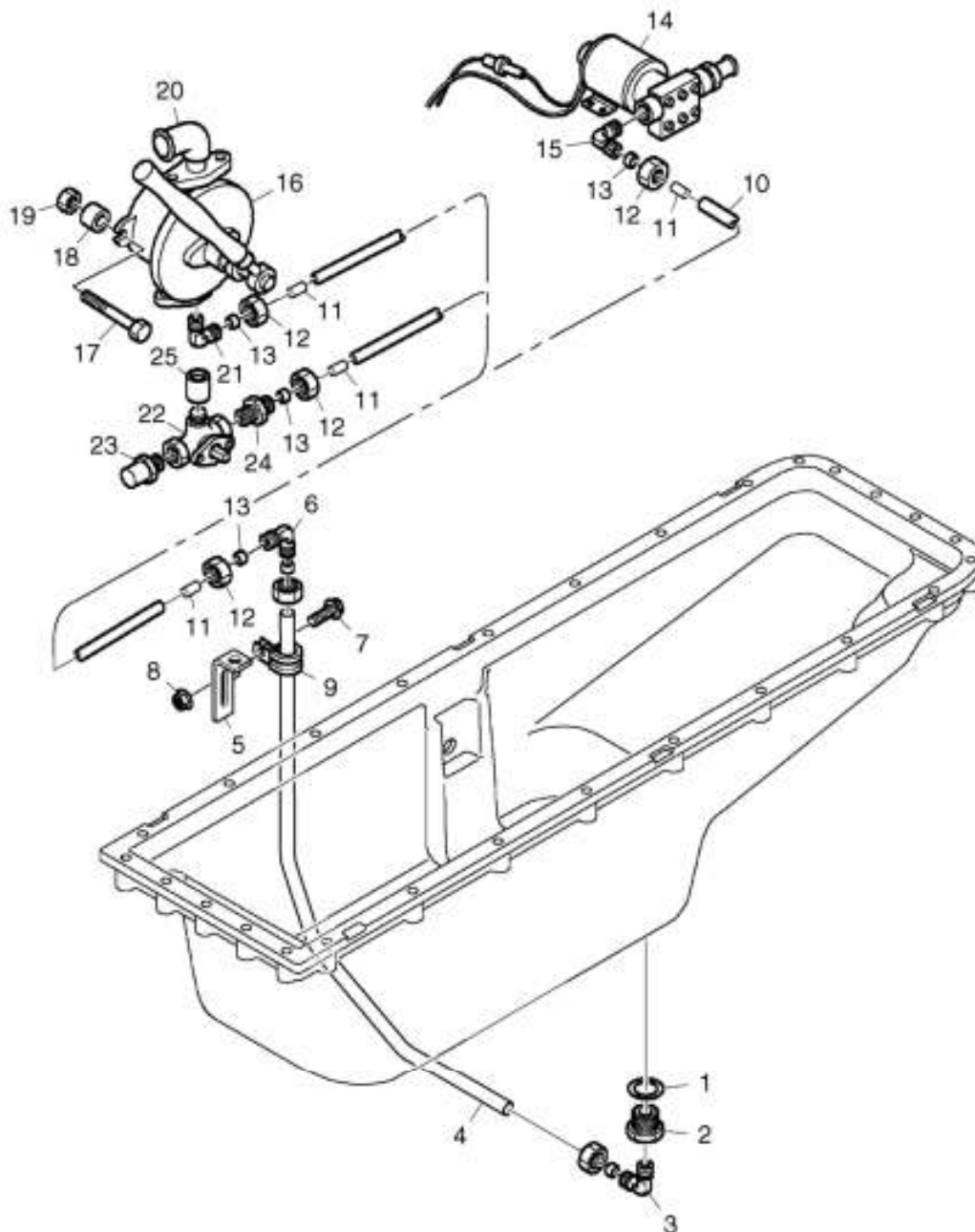
A

B oil sump low

Pos.	Part no.	Remark	A	B	Description
1	1515999		1		Oil dipstick
2	304431		1		•O-ring
3	1760608			1	Oil dipstick
4	304431			1	•O-ring
5	1739599		1	1	Pipe
6	814556	ø 16	1	1	Union nut
7	813223	ø 12	1	1	Ferrule
8	1734919		1	1	Union assy
9	1373793		1	1	Sealing washer



01-20-1323 Oil discharge, oil sump normal, DC9A EMS



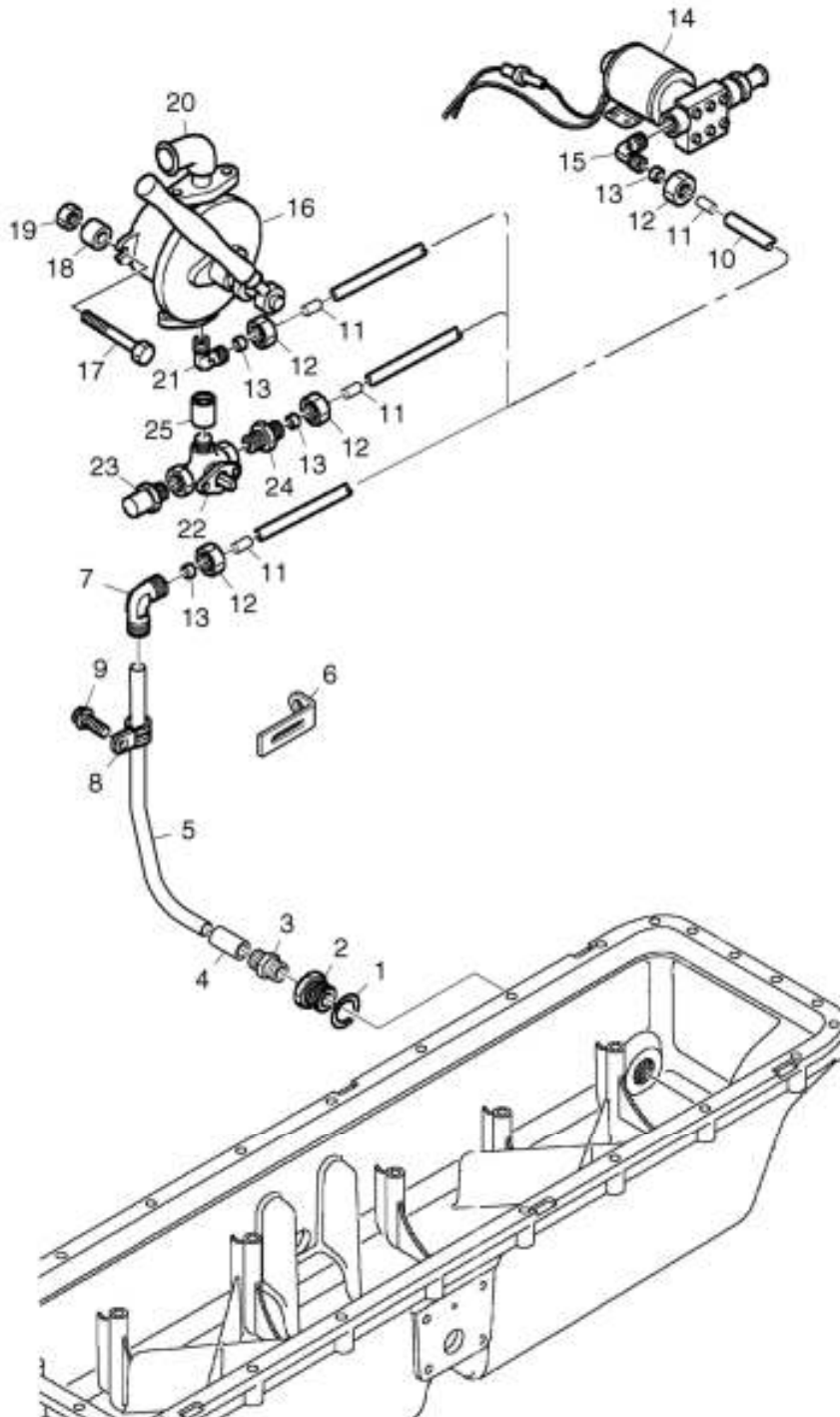
153608

01-20-1323 Oil discharge, oil sump normal, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1439814	24,2 x 4,2	1	Sealing washer
2	333773		1	Union
3	812929	M16x1,5k	1	Elbow union
4	1757939		1	Pipe
	814555	ø 12	2	•Union nut
	813223	ø 12	2	•Ferrule
5	814666	L=65mm	1	Bracket
6	1353484		1	Elbow union
7	812502	M6x16	1	Flange screw
8	815131	M6	1	Flange nut
9	813936	ø 12mm	1	Clamp
10	813869	ø 12x1.5 req, 1030mm	1	Pipe
11	812913	ø 12	2	Insert sleeve
12	814555	ø 12	2	Union nut
13	813223	ø 12	2	Ferrule
14	1407849		1	Pump
15	380501		1	Elbow union
16	329256	assy,	1	Hand pump
17	812543	M10x60	2	Flange screw
18	361802	L=29 mm	2	Spacer
19	815133	M10	2	Flange nut
20	139812		1	Elbow union
21	312833		1	Elbow union
22	1724765		1	Drain tap
23	169729		1	Straight union
24	303455		1	Straight union
25	136073	(pump 329256)	1	Connector
	189571	(pump 1407849)	1	Connector
	1433641	See reference 1/5/2229		Magnetic plug



01-20-1324 Oil discharge, low oil sump, DC9A EMS



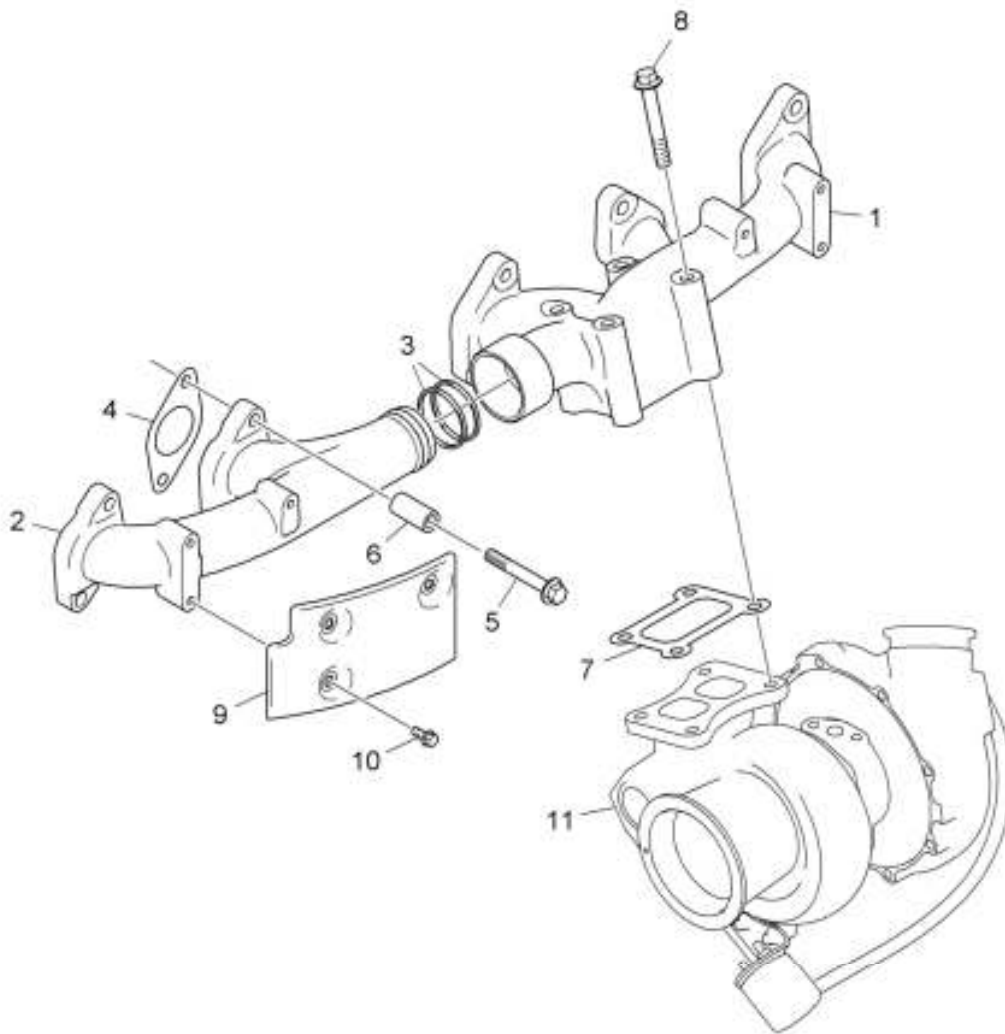
153609

**01-20-1324 Oil discharge, low oil sump, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1439814	24,2 x 4,2	1	Sealing washer
2	333773		1	Union
3	812866			Straight union
4	813192		1	Straight union
5	1757940		1	Pipe
	814555	ø 12	2	•Union nut
	813223	ø 12	2	•Ferrule
6	814511	L=65mm	1	Bracket
7	1353484		1	Elbow union
8	813936	ø 12mm	1	Clamp
9	812502	M6x16	1	Flange screw
10	813869	ø 12x1.5 req, 1030mm	1	Pipe
11	812913	ø 12	2	Insert sleeve
12	814555	ø 12	2	Union nut
13	813223	ø 12	2	Ferrule
14	1407849		1	Pump
15	380501		1	Elbow union
16	329256	assy,	1	Hand pump
17	812543	M10x60	2	Flange screw
18	361802	L=29 mm	2	Spacer
19	815133	M10	2	Flange nut
20	139812		1	Elbow union
21	312833		1	Elbow union
22	1724765		1	Drain tap
23	169729		1	Straight union
24	303455		1	Straight union
25	136073	(pump 329256)	1	Connector
	189571	(pump 1407849)	1	Connector
	1433641	See reference 1/5/2229		Magnetic plug



01-25-0026 Exhaust manifold, DC9A EMS



140441

**01-25-0026 Exhaust manifold, DC9A EMS**

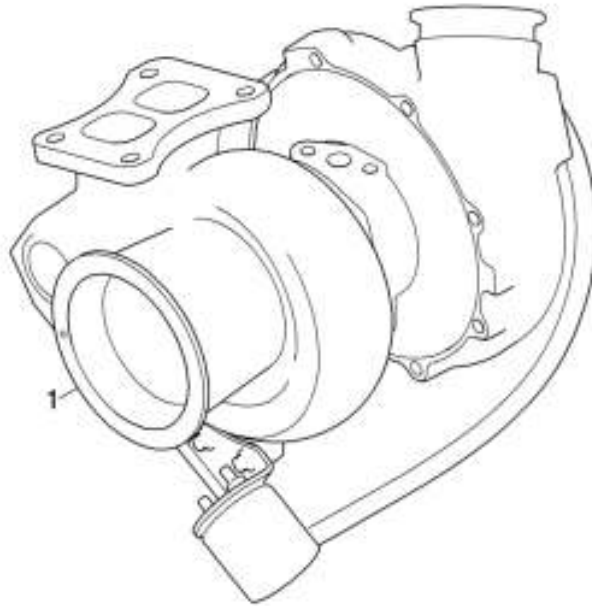
Series no.

EN 6360351- SSS

Pos.	Part no.	Remark	A	Description
1	1850822	1732595	1	Turbo manifold
2	1863895	1729307	1	Exhaust manifold
3	1775964		2	•Sealing ring
4	1309051		5	Gasket
5	1859636		10	Flange screw
6	1372104	L=37 mm	1	•Spacing sleeve
7	1801735		1	Gasket
8	1427832	M10x100	4	Flange screw
9	1730292	For engines with closed crankcase ventilation.	1	Heat shield
10	812516	M8x20 For engines with closed crankcase ventilation.	3	Flange screw
11		See reference 1/30/1	1	Turbocharger



01-30-0001 Turbocharger, DC9A EMS



145009



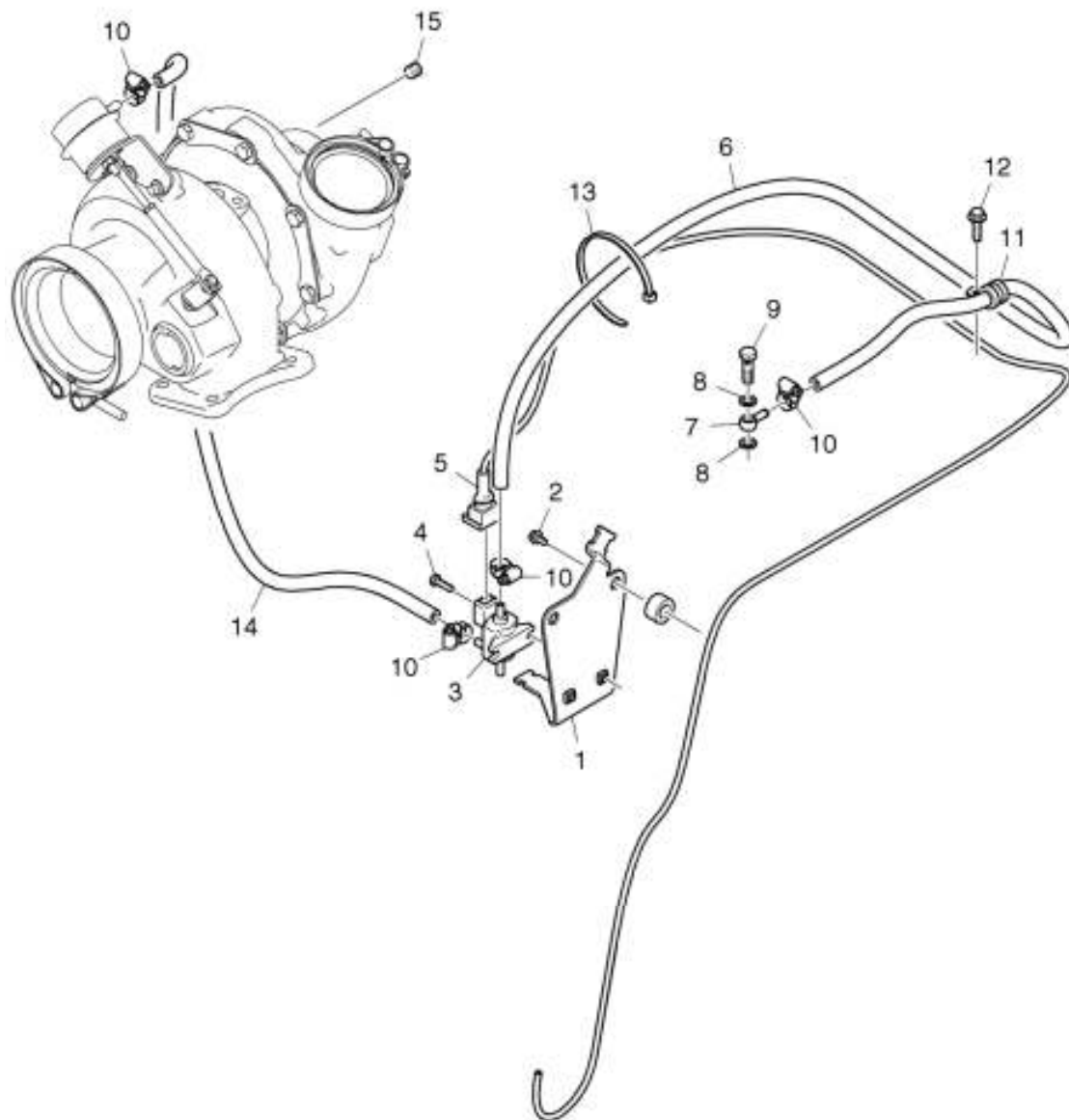
SCANIA



01-30-0001 Turbocharger, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1784652	DC9 65A	1	Turbocharger

01-30-0012 Solenoid valve, wastegate valve, DC9 65A EMS

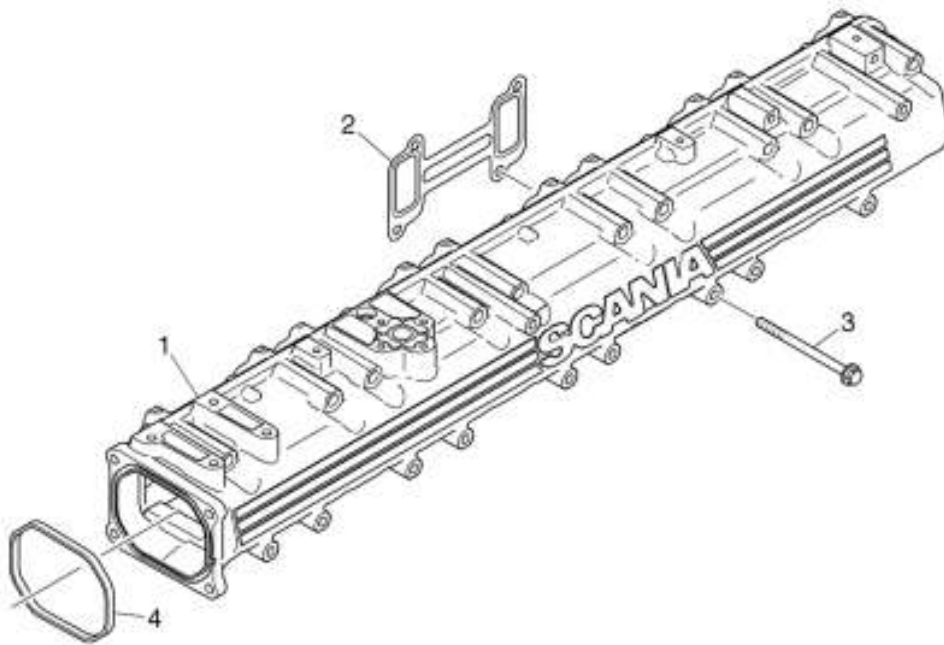


147884

01-30-0012 Solenoid valve, wastegate valve, DC9 65A EMS

Pos.	Part no.	Remark	A	Description
1	1784655		1	Bracket
2	812537	M10x30	2	Flange screw
3	1720083		1	Solenoid valve
4	1388032	M5X14	2	Screw
5	1846370	EN 6329131- SSS EN 8091363-SLA	1	Cable harness
6	1785991	L=1100mm	1	Hose
7	1785989		1	Banjo union
8	1478427		2	Seal
9	1785990		1	Banjo screw
10	307496	ø 8.5-10.2mm	4	Hose clamp
11	813936	ø 12mm	1	Clamp
12	812989	M6x16	1	Self-tapping screw
13	815361	L=185x4,6	13	Cable tie
14	1785991	1774084 L=1100mm	1	Hose
15	813201	M10x1Kx9	1	Screw plug

01-40-0009 Intake manifold, DC9A EMS



144054

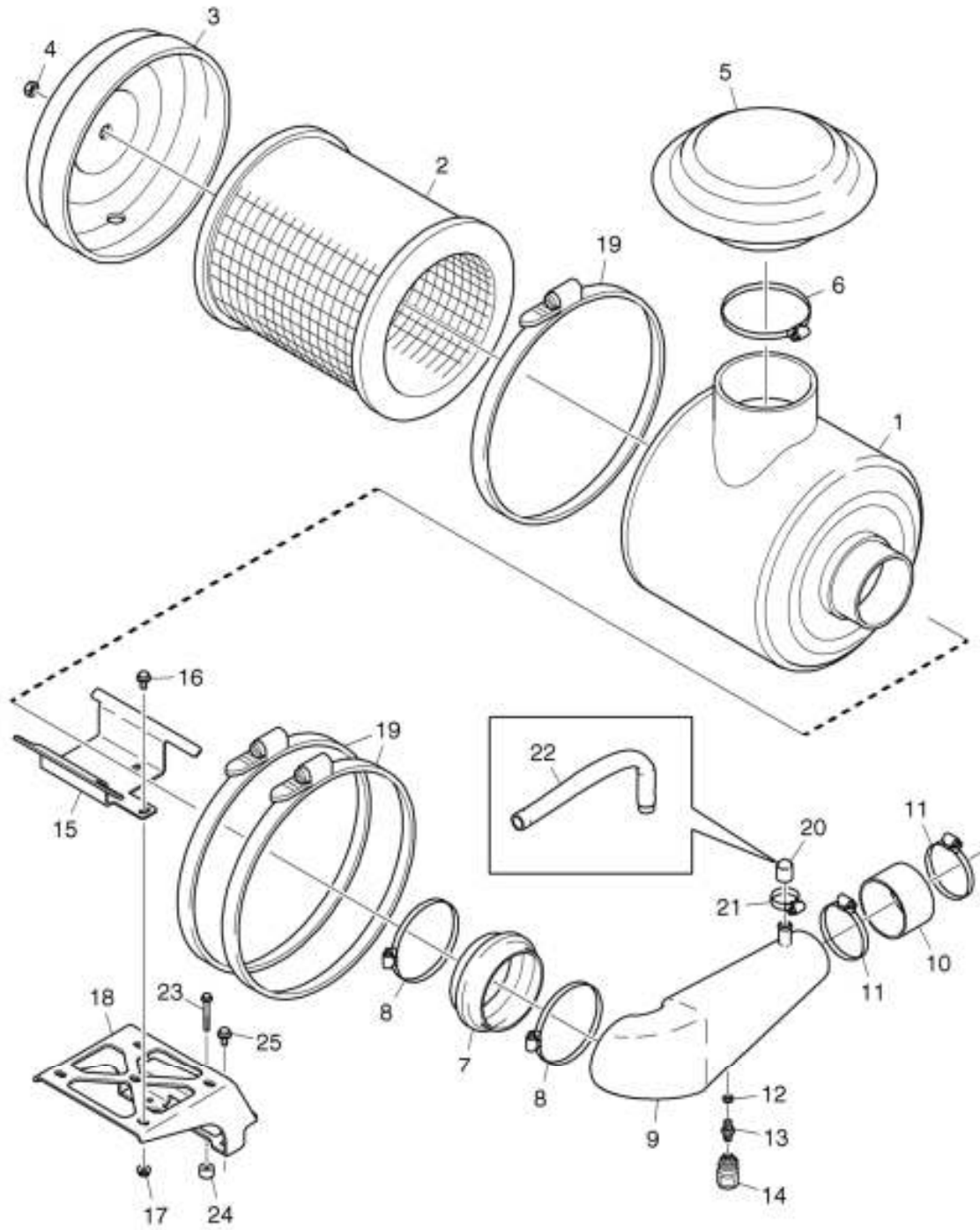


01-40-0009 Intake manifold, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1854993	1784653 DC9 65A	1	Intake manifold
2	1516474		5	Gasket
3	812531	M8x100	20	Flange screw
4	1390211		1	Sealing ring



01-45-0026 Air cleaner, flywheel housing, DC9A EMS, 10,6 m², Turbo position high



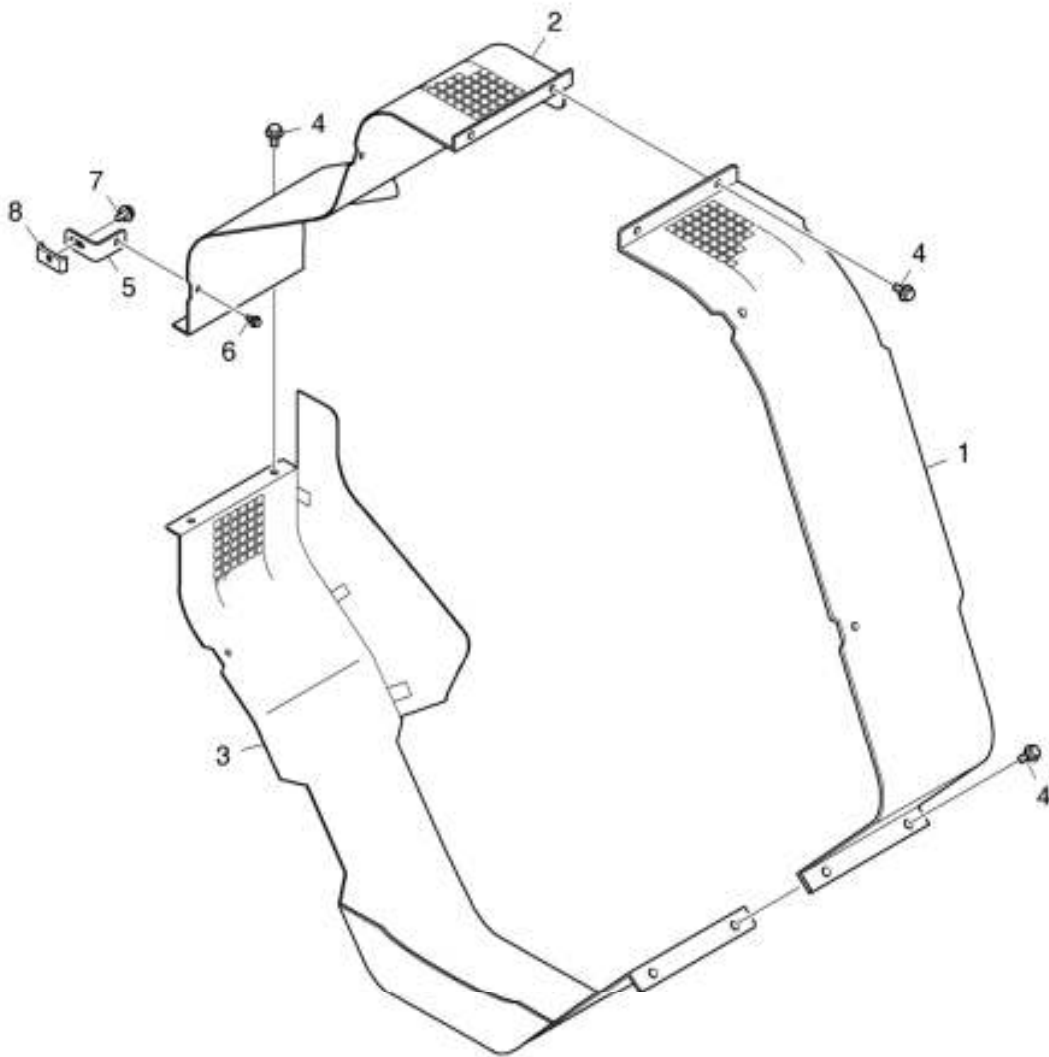
14750B

01-45-0026 Air cleaner, flywheel housing, DC9A EMS, 10,6 m², Turbo position high

Pos.	Part no.	Remark	A	Description
1	395771	assy	1	Air cleaner
2	395773		1	•Air filter
3	1107026		1	•Cover
4	1107083	M10	1	•Nut
5	1367563	plastic	1	Protection cover
	1386231	alt.	1	Precleaner
6	1466090	ø 160-180	1	Hose clamp
7	461769		1	Hose
8	1466089	ø 150-170	2	Hose clamp
9	1388471		1	Pipe
10	1388473		1	Hose
11	1466083	ø 90-110	2	Hose clamp
12	273783		1	Gasket
13	225679		1	Straight union
14	1451732		1	Pressure indicator
15	1787894		1	Bracket
16	812536	M10x25	3	Flange screw
17	815133	M10	3	Flange nut
18	1797339		1	Bracket
19	1370304		3	Hose clamp
20	223649	ø 26,5 Open CCV	2	Plug
21	1466102	ø 30-45	2	Hose clamp
22		Closed CCV For engines with closed crankcase ventilation. See reference 1/5		Hose
23	812525	M8x60	1	Flange screw
24	205568		1	Spacer
25	812534	M10x20	2	Flange screw
26	1908150		1	Sticker



01-60-0001 Protective casing, belt transmission, DC9A EMS



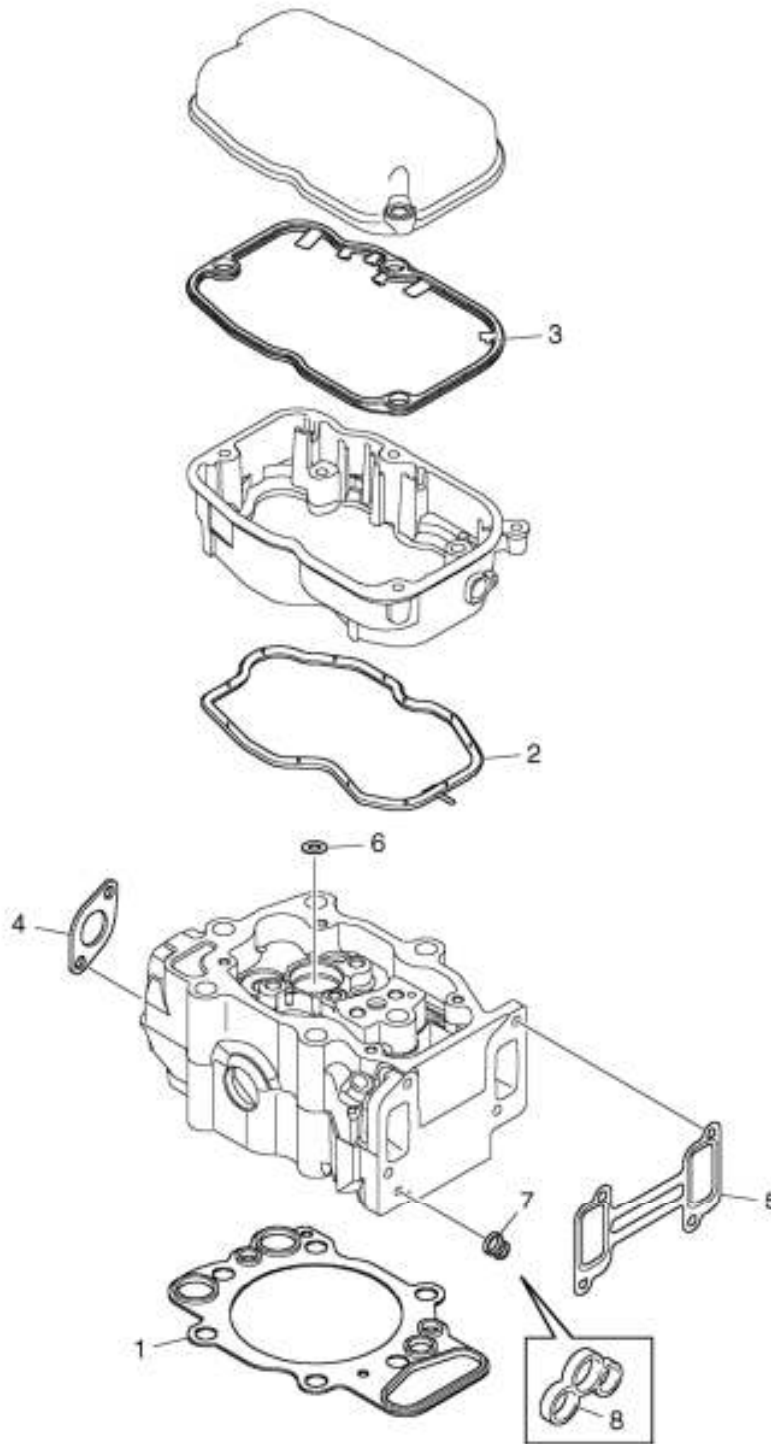
14482B

**01-60-0001 Protective casing, belt transmission, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1740232		1	Protective casing
2	1740233		1	Protective casing
3	1741679		1	Protective casing
4	812501	M6x14	6	Screw
5	1791848		6	Bracket
6	812499	M6x10	6	Flange screw
7	812500	M6x12	6	Flange screw
8	1393105		6	Bracket



01-99-0009 Gasket kit, cylinder head, DC9A EMS

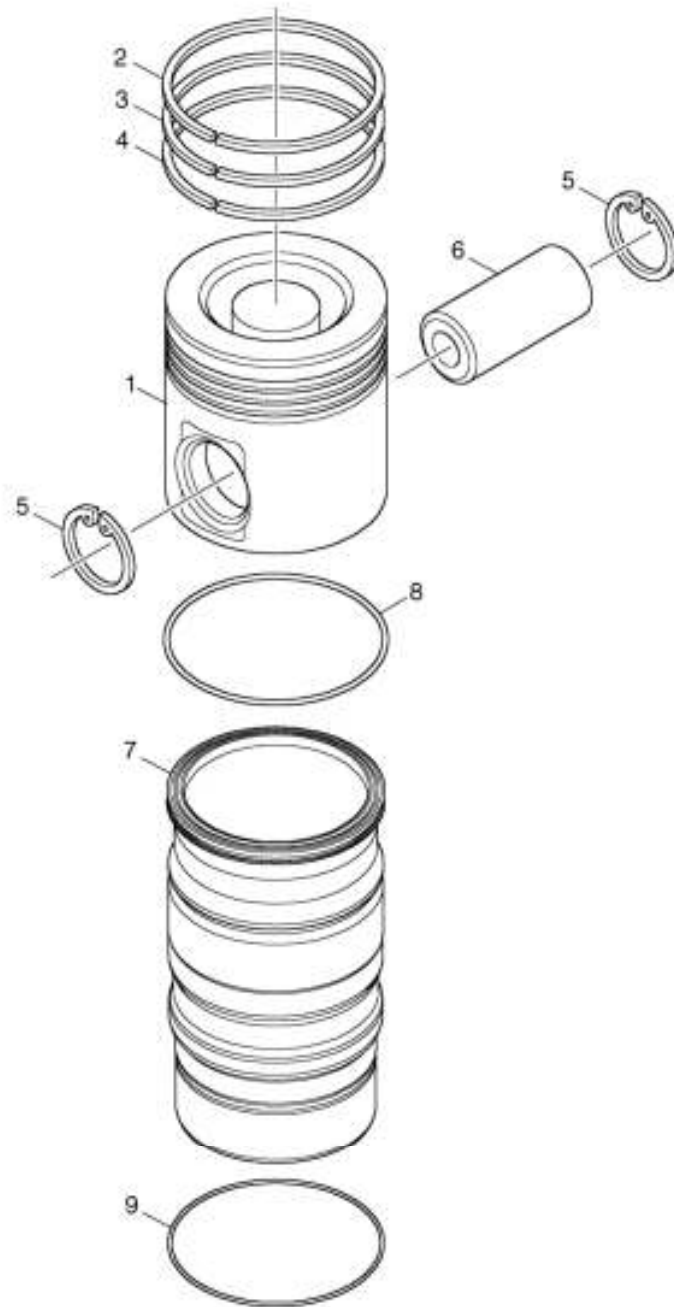


133015

**01-99-0009 Gasket kit, cylinder head, DC9A EMS**

Pos.	Part no.	Remark	A	Description
	1725112		1	Gasket kit
				Cylinder head
1	1468555		1	•Cylinder head gasket
				Cylinder head
2	1449542	lo lo	1	•Rocker cover gasket
				Rocker cover
3	1505366	up up	1	•Rocker cover gasket
				Rocker cover
4	1309051		1	•Gasket
				Exhaust manifold
5	1516474		1	•Gasket
				Intake manifold
6	1421424		1	•Gasket
				Injector
7	1368061	PDE	1	•Gasket
				Fuel manifold
8	1390883	HPI	1	•Gasket
				Fuel manifold

01-99-0019 Repair kit, piston and cylinder liner, DC9A EMS



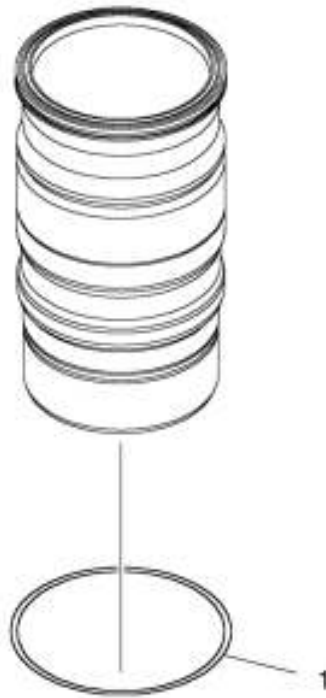
130683

01-99-0019 Repair kit, piston and cylinder liner, DC9A EMS

Series no. EN 6324729- SSS
 EN 8709880- SLA

Pos.	Part no.	Remark	A	Description
	1791649	Single speed	5	Repair kit
				Piston and cylinder liner
	1778069	assy	1	•Piston
1		nss	1	••Piston
2	1739082	1424902	1	••Compression ring
3	247573	lo	1	••Compression ring
4	1449520		1	••Oil scraper ring
5	1305643		1	••Retaining ring
6	1305629		1	••Gudgeon pin
7	1868159	1786085	1	•Cylinder liner
8	1768938	ø 142.5x3.5 mm	1	•O-ring
9	1730424	ø 148.5x4 mm	1	•O-ring

01-99-2535 Shim, cylinder liner, DC9A EMS



155713



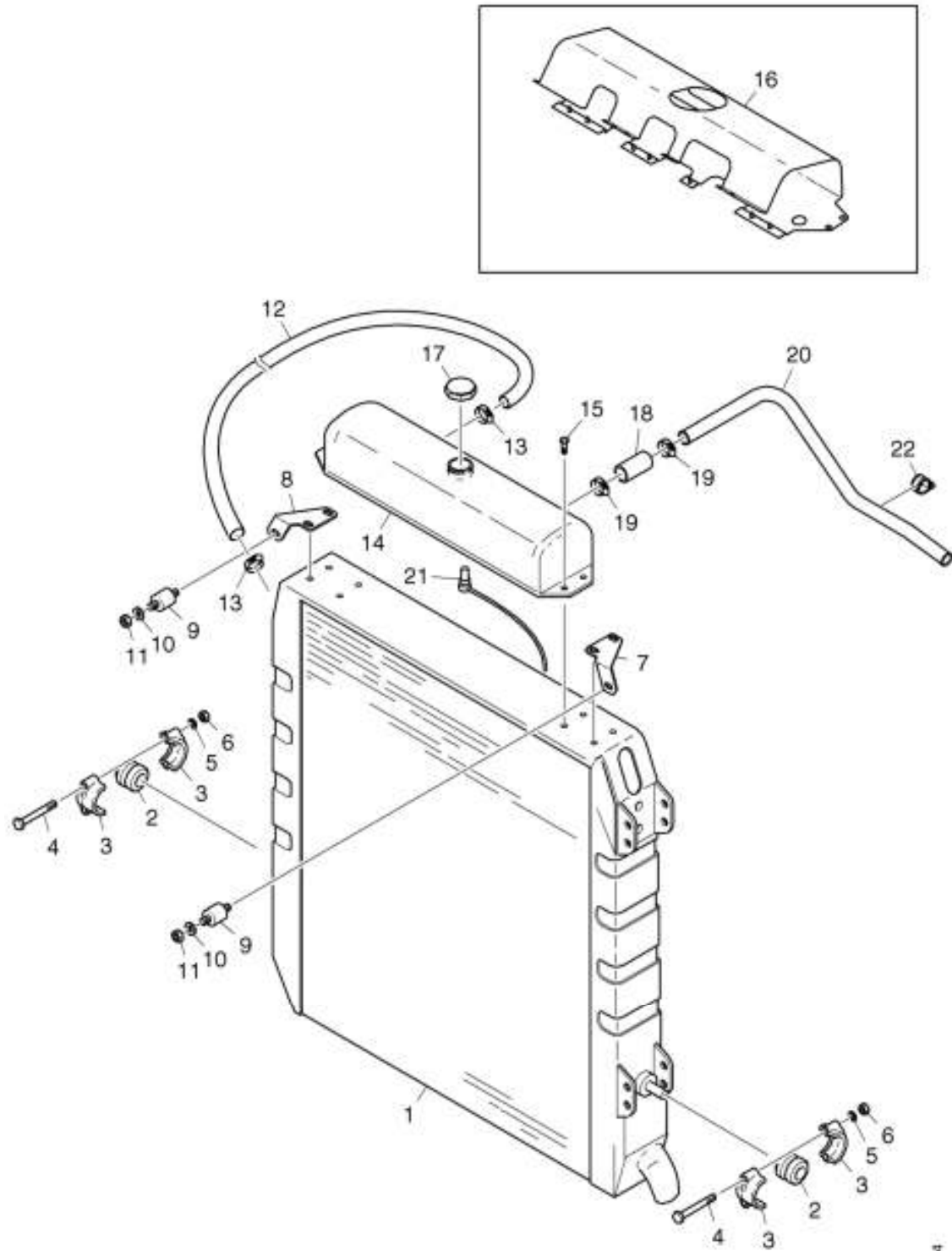
01-99-2535 Shim, cylinder liner, DC9A EMS

Series no. EN 6324729- SSS
EN 8081095- SLA

Pos.	Part no.	Remark	Description
1	1866879	TH 0,2 mm	Shim
	1866880	TH 0,3 mm	Shim
	1866881	TH 0,4 mm	Shim



02-01-0011 Radiator, expansion tank, DC9A EMS



301514

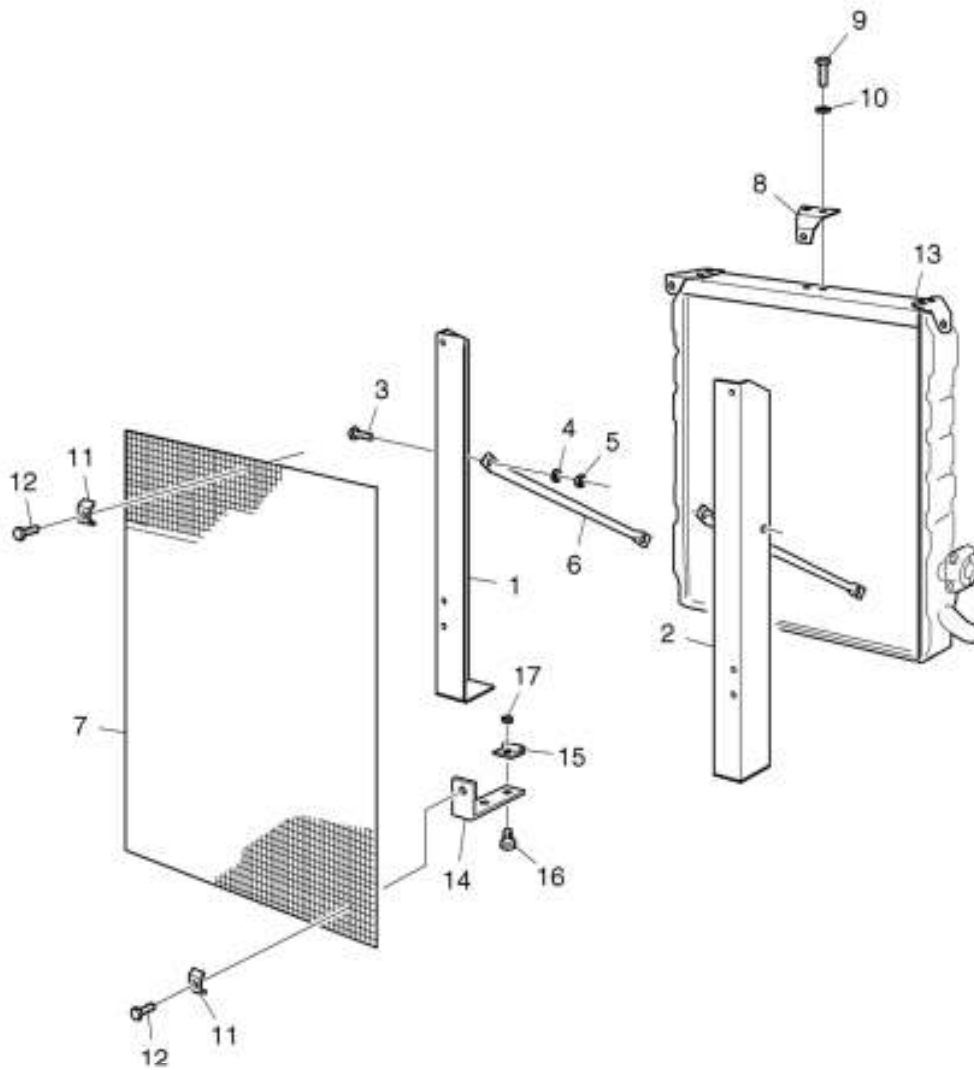
**02-01-0011 Radiator, expansion tank, DC9A EMS**

Series no.

EN 6339377- SSS

Pos.	Part no.	Remark	A	Description
1	298293	1,0m ²	1	Radiator
	836477	M12x1	1	Plug
2	273793		2	Bush
3	273792		4	Cap
4	814901	M12x130	4	Screw
5	147537	ø22x12,6	4	Spring washer
	807311	13x24x2	4	Washer
6	815125	M12	4	Hexagon nut
7	1358358	LH	1	Bracket
8	1358359	RH	1	Bracket
9	285248		2	Vibration insulator
10	134935	EN 6342178- SSS	4	Spring washer
11	815106	M8	4	Hexagon nut
12	257829	r _q =720	1	Hose
13	1466073	ø 12-22	2	Hose clamp
14	1356798		1	Expansion tank
15	812516	M8x20	4	Flange screw
	812514	M8x14	4	Flange screw
	1309400		4	Washer
16	1529089		1	Casing
	815613	M6	7	Lock nut
17	1403954	0.75 bar	1	Pressure cap
18	361578	L=80 mm L=5000	1	Hose
19	1466102	816132 ø 30-45	2	Hose clamp
20	1799586		1	Static line pipe
21		See reference 16/45/1203	1	Level monitor
22	813941	ø 32	1	Clamp

02-01-0179 Radiator, DC9A EMS



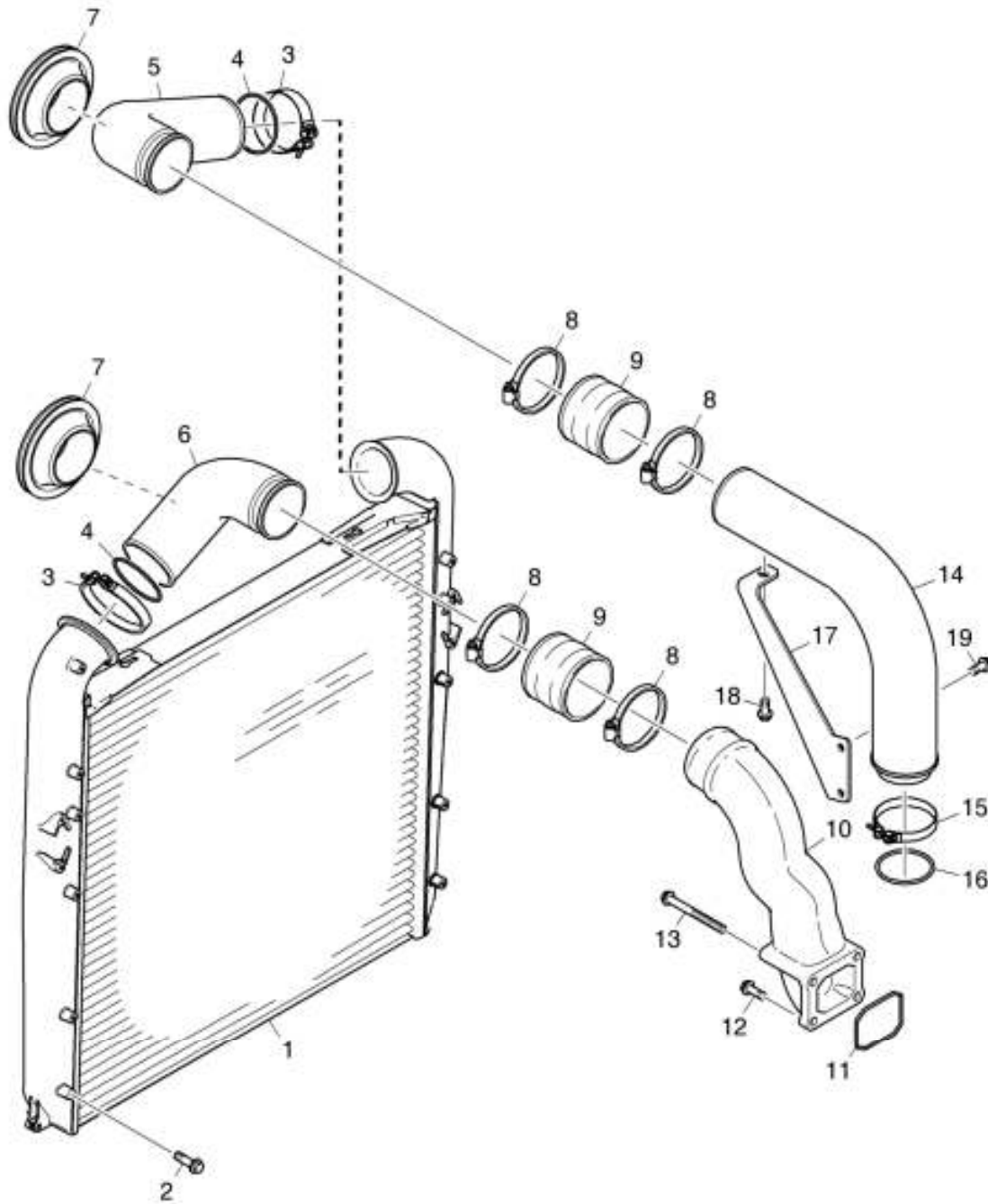
147572

02-01-0179 Radiator, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1397518	RH	1	Support
2	1397517	LH	1	Support
3	814841	M12x35	2	Hexagon screw
	243427	L=10 mm	2	Spacing tube
4	147537	ø22x12,6	10	Spring washer
5	815125	M12	2	Hexagon nut
6	353364		2	Support
7	350945	1,0m ²	1	Grille
8	354010		1	Bracket
9	812514	M8x14	2	Flange screw
10	134935		2	Spring washer
11	351239		9	Bracket
12	812990	M6x20	9	Self-tapping screw
13		See reference 2/1/9	1	Radiator
14	1372434		1	Bracket
15	1372435		2	Bracket
16	812500	M6x12	2	Flange screw
17	815122	M6	2	Hexagon nut



02-05-0009 Charge air cooler, DC9A EMS



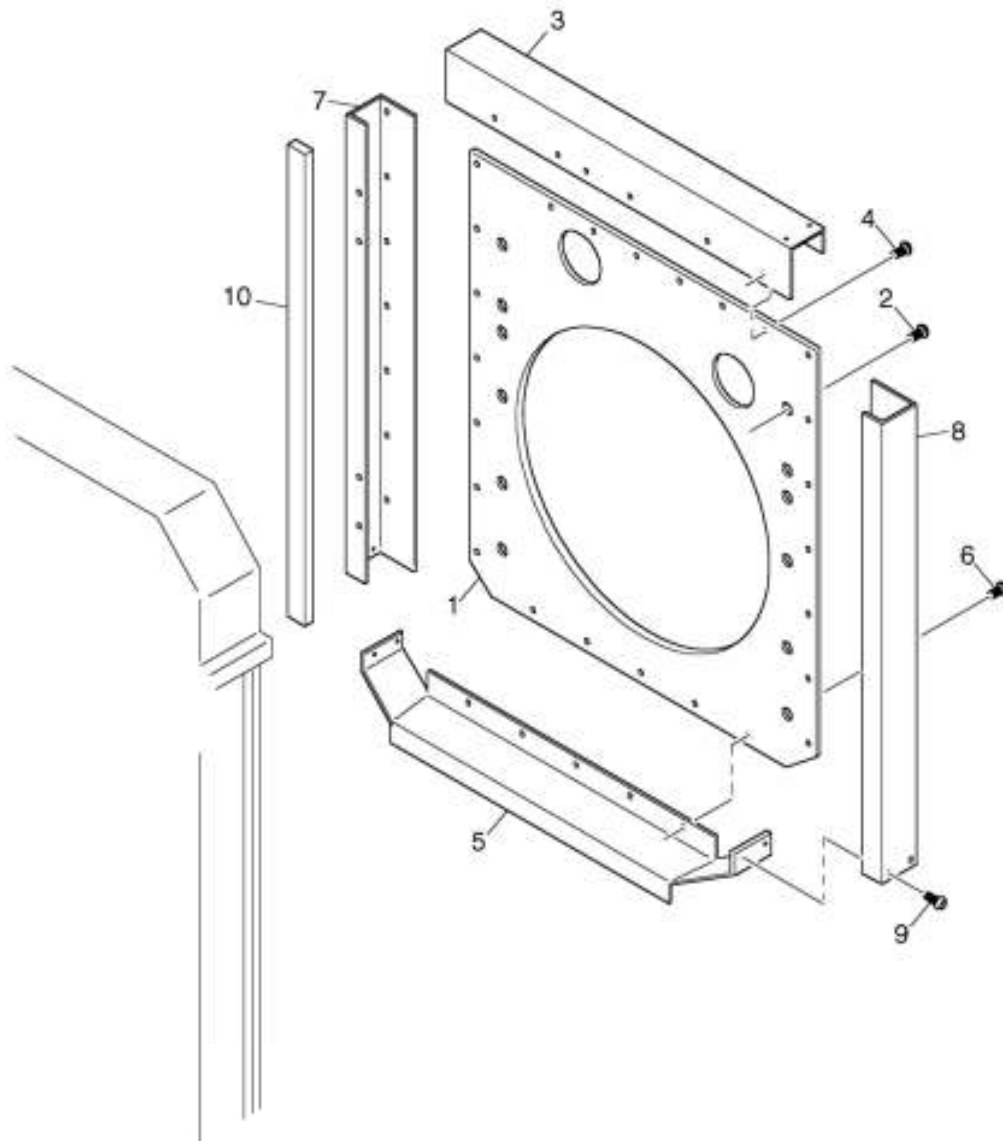
144831

02-05-0009 Charge air cooler, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1764885	X 1477051	1	Charge air cooler
	570490		1	Charge air cooler
2	812997	M8x16	rq	Self-tapping screw
3	1439825		2	V-clamp
4	1373126		2	O-ring
5	1492663		1	Charge air pipe
6	1527145		1	Charge air cooler pipe
7	367671		2	Sealing ring
8	1527869		4	Hose clamp
9	1527470		2	Hose
10	1747760		1	Flange pipe
11	1390211		1	Sealing ring
12	812518	M8x25	2	Flange screw
13	812530	M8X90	2	Screw
14	1747761	Low turbo	1	Charge air pipe
14	1787891	High turbo	1	Charge air pipe
15	1439822		1	V-clamp
16	1331820	64.5x3	1	O-ring
17	1747762		1	Bracket
18	812539	M10x40	1	Screw
	1123835	L=30 mm	1	Spacer
19	812516	M8x20	2	Flange screw



02-10-0022 Fan cover, DC9A EMS



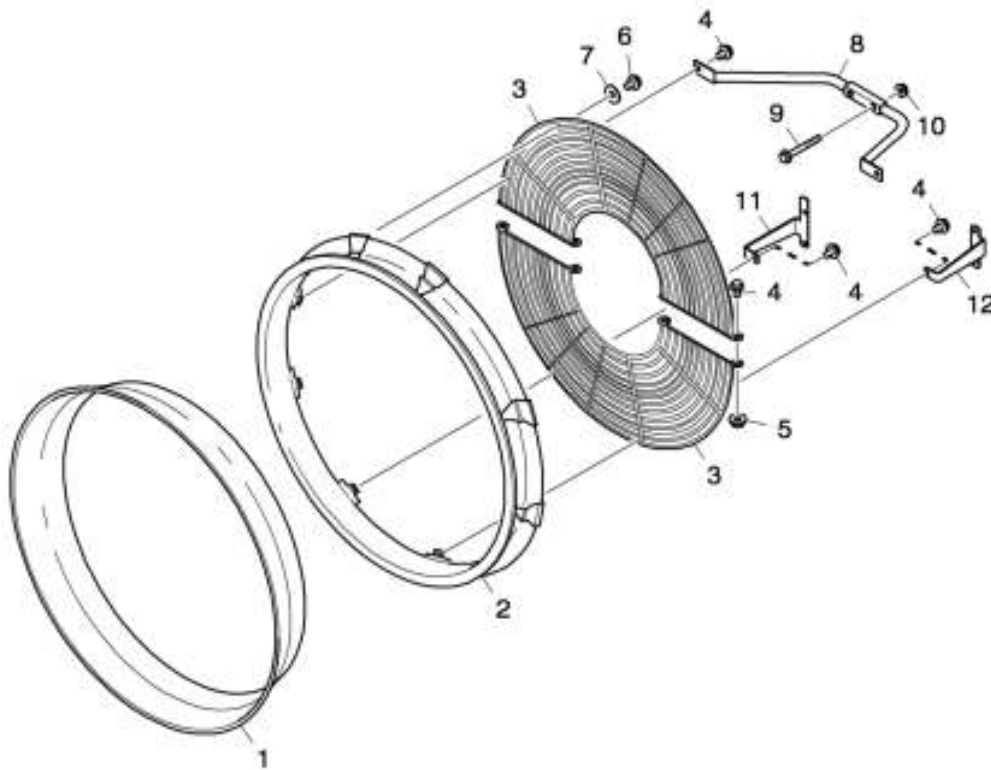
127657

**02-10-0022 Fan cover, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1527139	Fan ø 787	1	Fan cover
2	812514	M8x14	8	Flange screw
3	1527142		1	Fan cover
4	1527141		1	Fan cover
5	1527144		1	Fan cover
6	1527143		1	Fan cover
7	812997	M8x16	24	Self-tapping screw
8	351597	L=1000mm	3	Sealing strip



02-10-0021 Protection mesh, fan ring, Fan ϕ 711, ϕ 787



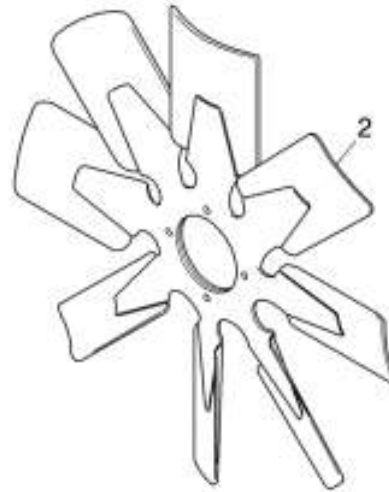
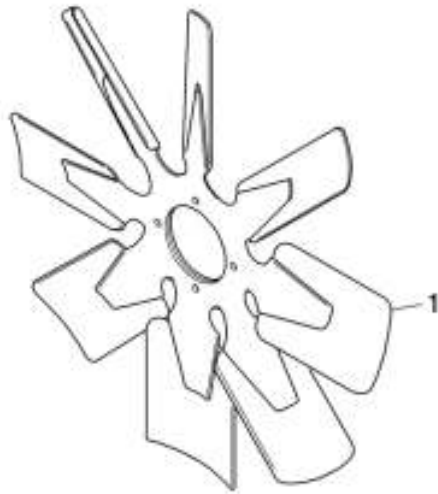
156102

**02-10-0021 Protection mesh, fan ring, Fan ϕ 711, ϕ 787**

Pos.	Part no.	Remark	A	Description
1	347880	ϕ 711mm	1	Sealing ring
	347879	ϕ 787mm	1	Sealing ring
2	337615	ϕ 711mm	1	Fan ring
	1801448	337613	1	Fan ring
3	340058		2	Grille
4	812516	M8x20	8	Flange screw
5	815132	M8	4	Flange nut
6	812522	M8x45	4	Flange screw
	343715	L=21mm	4	Spacing sleeve
7	145453	8.4x22x3	4	Washer
8	1740109		1	Bracket
9	812523	M8x50	2	Flange screw
10	815132	M8	2	Flange nut
11	1742342		1	Bracket
12	1742343		1	Bracket



02-10-0036 Fan, DC9A EMS



144596

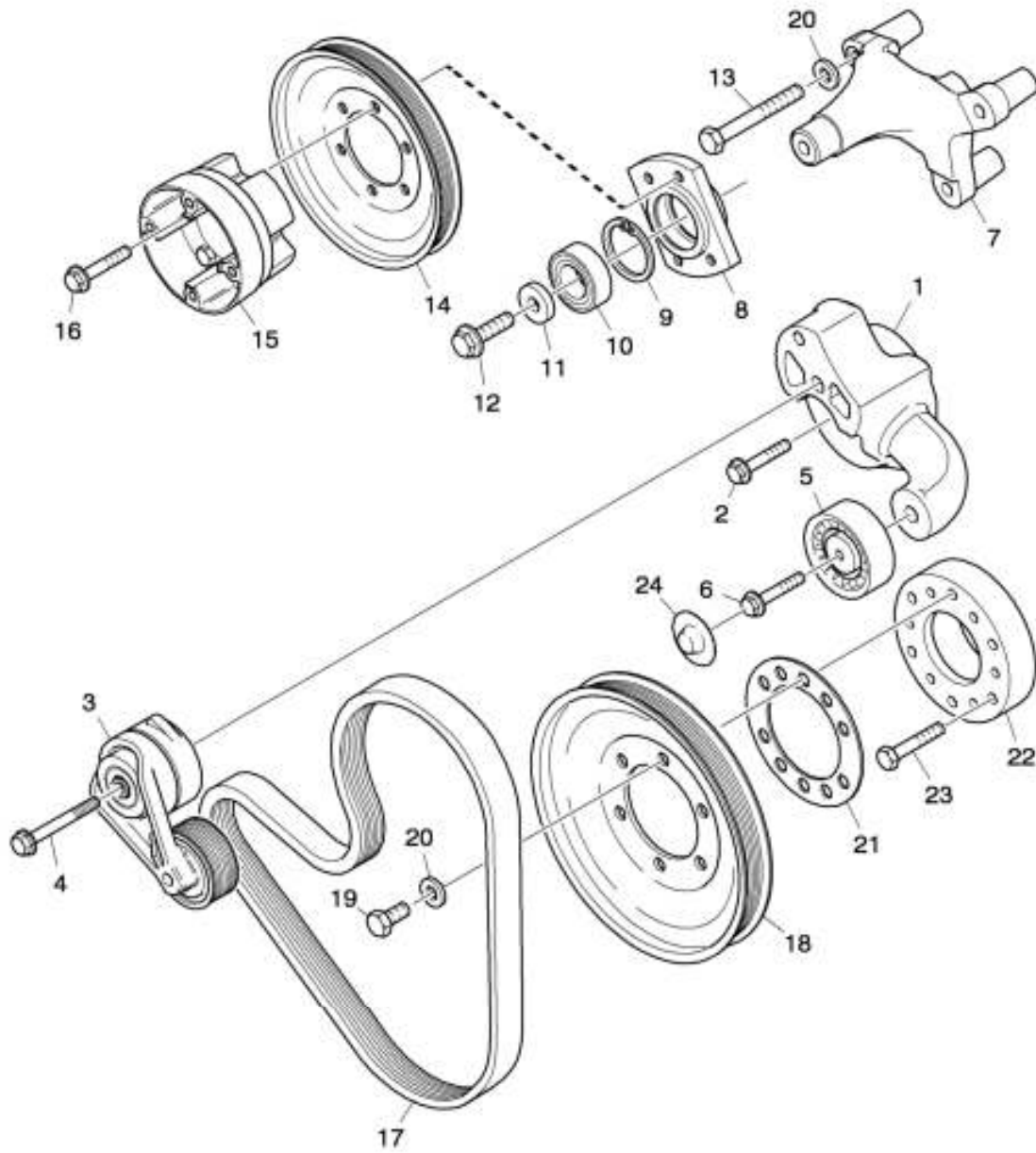


02-10-0036 Fan, DC9A EMS

Pos.	Part no.	Remark	A	Description
				Pusher fan
		8 blades		Aluminium
2	1385759	ø 787mm	1	Fan
	815050	M12x40	4	Flange screw



02-10-0024 Belt transmission, fan, DC9A EMS, fan gear ratio 1:1



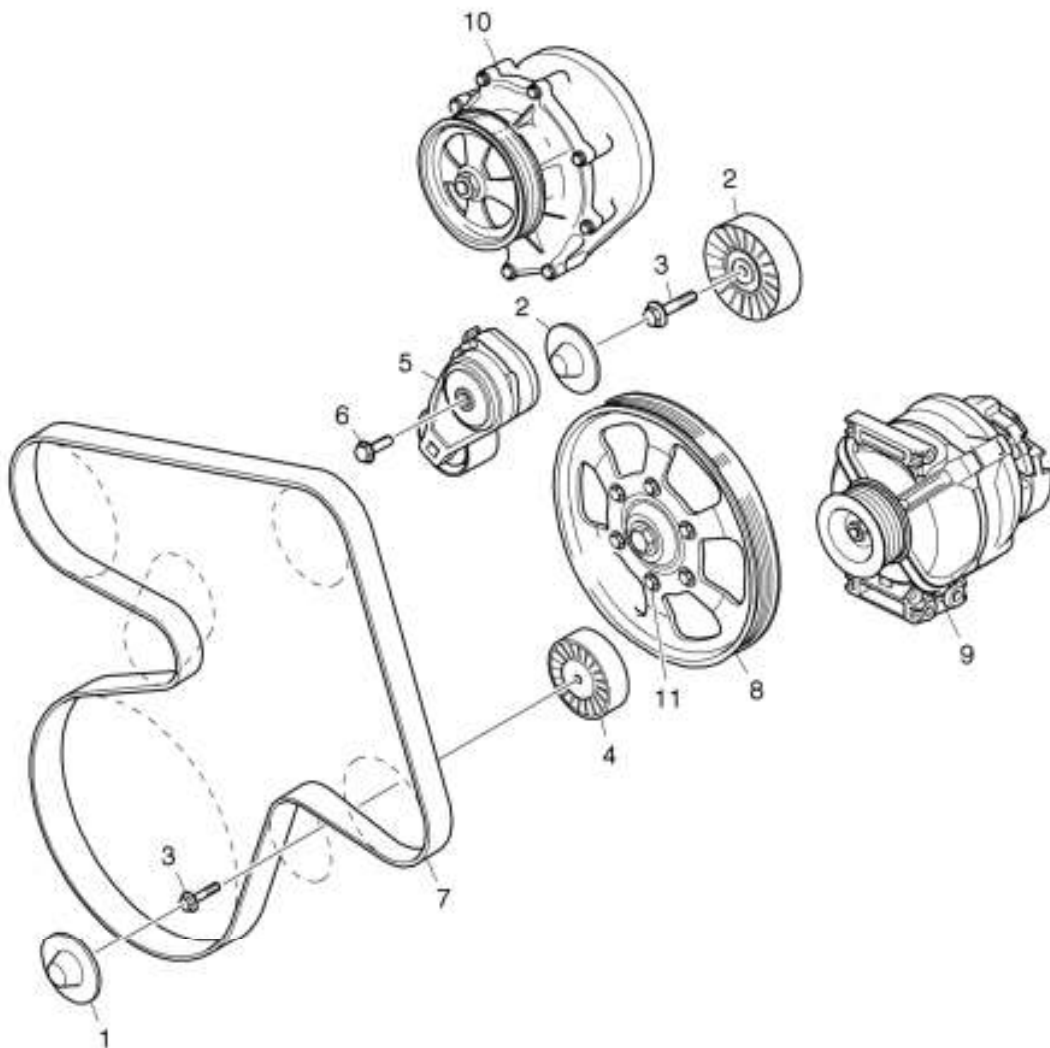
156210

02-10-0024 Belt transmission, fan, DC9A EMS, fan gear ratio 1:1

 Footnote Cooling package 1.0 m²

Pos.	Part no.	Remark	A	Description
1	1533696		1	Bracket
2	812540	M10x45	1	Flange screw
3	1859656		1	Belt tensioner
4	812547	M10x80	1	Flange screw
5	1858885	1795775	1	Idler roller
6	812541	M10x50	1	Flange screw
7	1533697	assy	1	Fan bearing
8		nss	1	•Driver
9	804837	ø 68 mm	1	•Retaining ring
10	1381092		1	•Ball bearing
11	1407140		1	•Washer
12	812575	M14x50	1	•Screw
13	814897	M12x90	3	Hexagon screw
14	1743665	ø260	1	Pulley
15	1763345	L=106mm	1	Spacer
				Pusher fan
16	815057	M12x80	4	Flange screw
17	1888465	1800533 L=1795	1	Poly-V-belt
18	1743665	ø260	1	Pulley
19	394588	M12x35	6	Hexagon screw
20	807311	13x24x2	9	Washer
21	1421288	TH=3	1	Spacer
22	1497171		1	Driver
23	809811	M8x35	6	Hexagon socket screw
24	1534494		1	Cover

02-10-0086 Belt transmission, coolant pump, DC9A EMS, Alternator

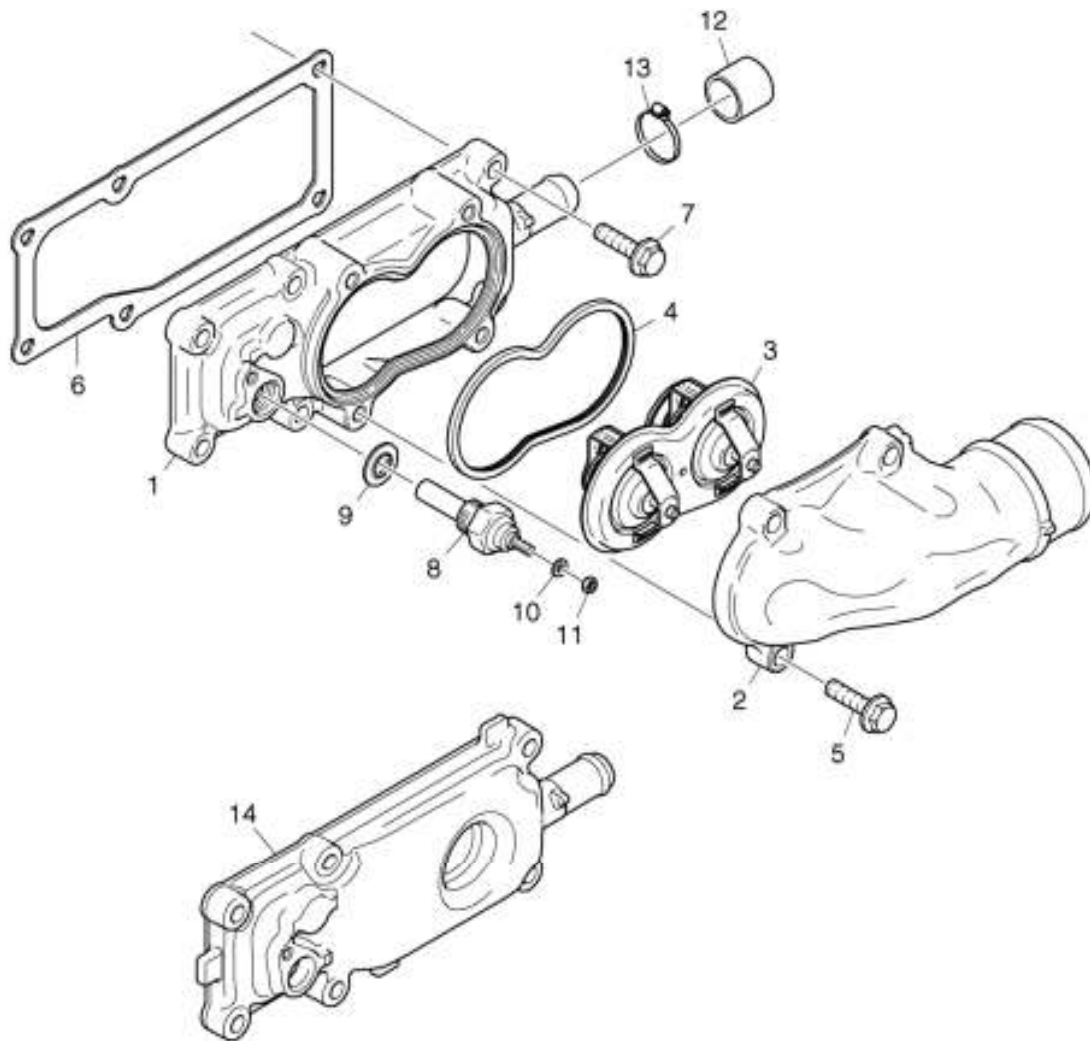


02-10-0086 Belt transmission, coolant pump, DC9A EMS, Alternator

Pos.	Part no.	Remark	A	Description
1	1534494		2	Cover
2	1858884	1795774	1	Idler roller
		nss	1	•Spacer
3	812543	M10x60	2	Flange screw
4	1858885	1795775	1	Idler roller
		nss	1	•Spacer
5	1859657	1774654	1	Belt tensioner
6	812547	M10x80	1	Flange screw
7	1800550	1800532 L=2015	1	Poly-V-belt
8	1411716	ø260	1	Pulley
9		See reference 16/5		Alternator
10		See reference 2/25/9		Coolant pump
11	815052	M12x50	6	Flange screw



02-15-0009 Thermostat housing, DC9A EMS

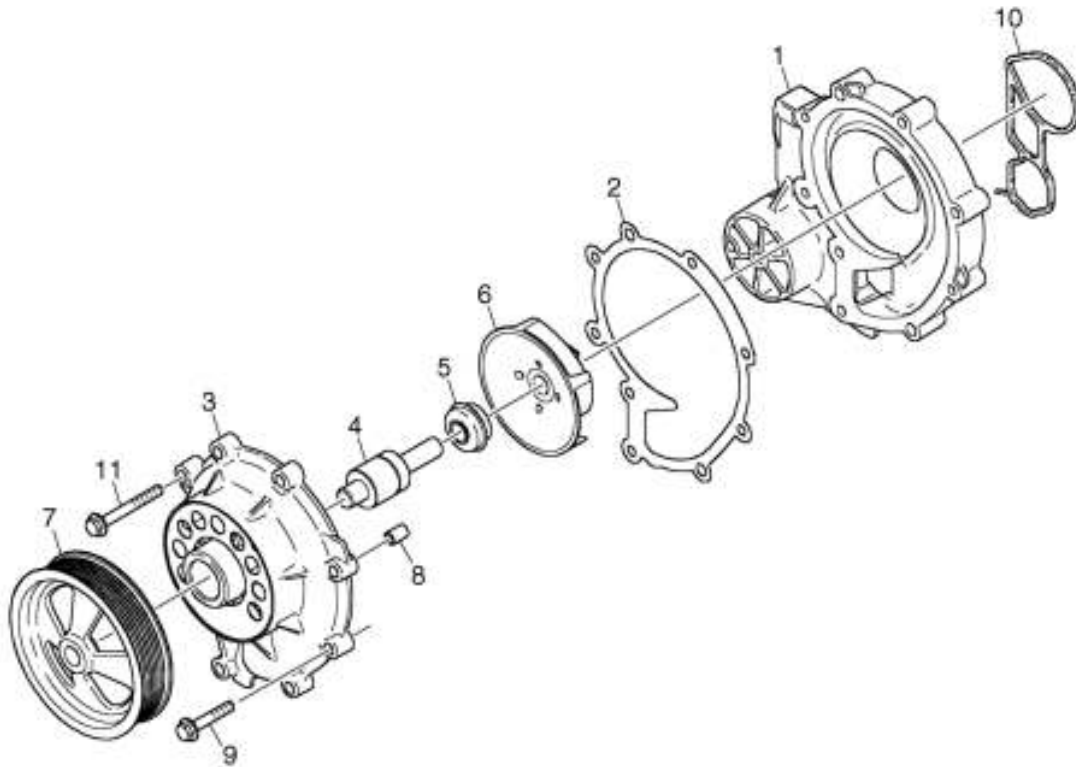


150634

**02-15-0009 Thermostat housing, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1484919		1	Thermostat housing
2	1478655	Low turbo pos.	1	Thermostat housing
2	1798945	High turbo pos.	1	Thermostat housing cover
3	1404924	83°C	1	Thermostat
4	1421825		1	Gasket
5	813000	M8x30	4	Self-tapping screw
6	1374333		1	Gasket
7	812519	M8x30	6	Flange screw
8	1112819	1-pol	1	Temperature sensor
9	1373792		1	Sealing washer
10	802993	4.3x9	1	Washer
11	807409	M4	1	Hexagon nut
12	303649	ø 20	1	Plug
13	1466075	816111 ø 23-35	1	Hose clamp
14	1864076	1484920 Charge air pipe without	1	Cover

02-25-0009 Coolant pump, DC9A EMS



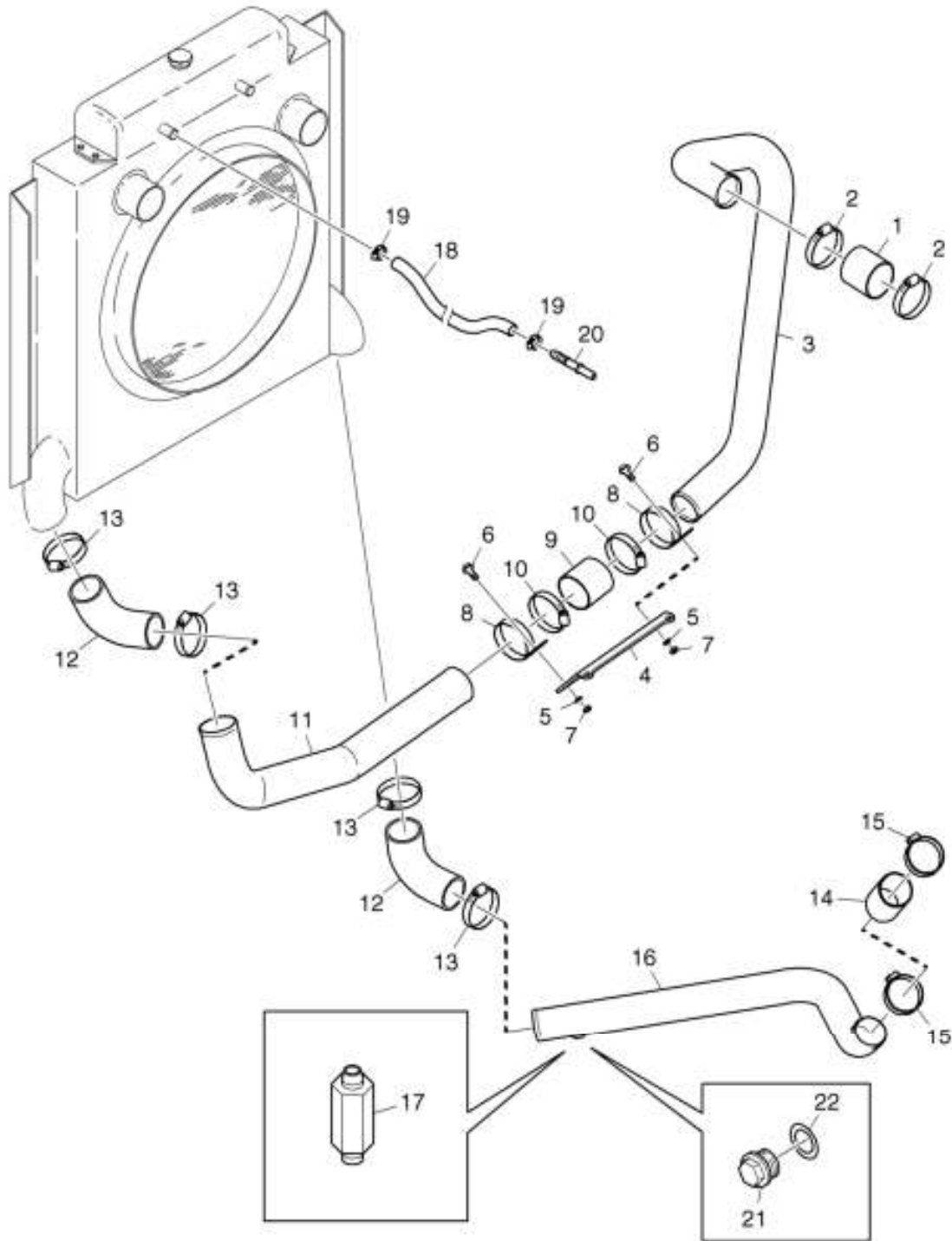
136062

**02-25-0009 Coolant pump, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1787121	1528348	1	Coolant pump housing
2	1541633		1	Gasket
	1789522	X 1546188 assy	1	Coolant pump cover
	570964	Exchange unit. See paper edition dated 12.2002 and earlier.	1	Coolant pump
3		nss	1	•Pump cover
4	1528923		1	•Bearing
5	1804034	1522518	1	•Sealing ring
6		nss	1	•Impeller
7	1779993	1529076	1	•Pulley
8	1331933		2	Guide sleeve
9	812520	M8x35	3	Flange screw
10	1879484	1549027	1	Gasket
11	812525	M8x60	6	Flange screw



02-30-0029 Pipes and hoses, DC9A EMS



300880

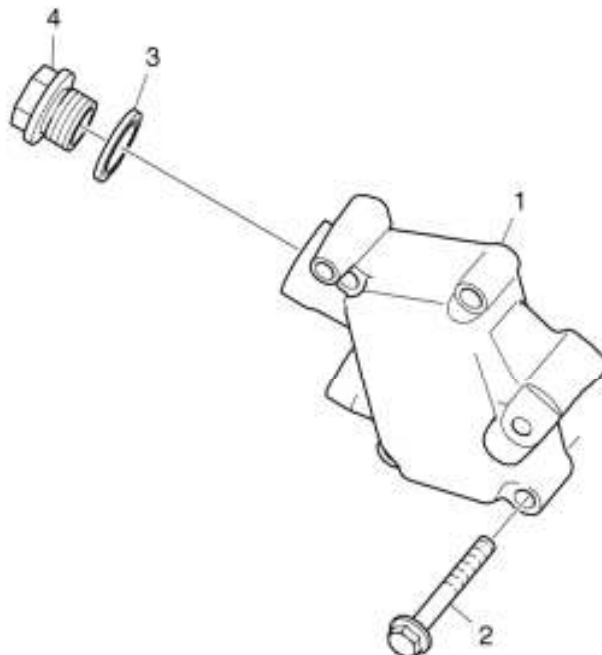
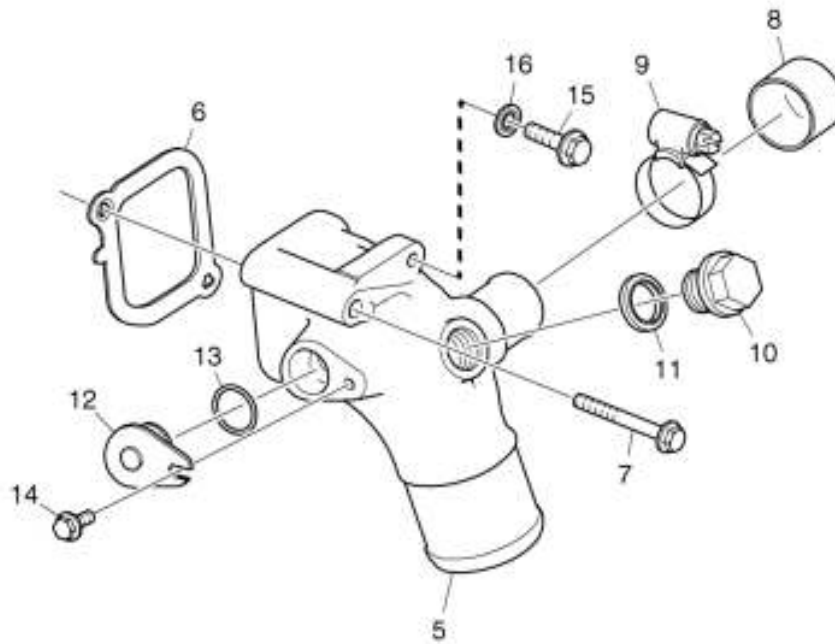
02-30-0029 Pipes and hoses, DC9A EMS
Series no.

EN 6326817- SSS

Pos.	Part no.	Remark	A	Description
1	1375602		1	Hose
2	1466105	ø 50-72	2	Hose clamp
3	1800474	1747756 high turbo	1	Water pipe
3	1879428	low turbo	1	Water pipe
4	1789725		1	Bracket
5	1309400		2	Washer
6	812519	M8x30	3	Flange screw
7	815132	M8	3	Flange nut
8	310381		4	Clamp
9	278474		1	Hose
10	1466105	ø 50-72	2	Hose clamp
11	1790087		1	Pipe
12	278474		1	Hose
13	1466105	ø 50-72	4	Hose clamp
14	1375602		1	Hose
15	1466105	ø 50-72	2	Hose clamp
16	1782996		1	Water pipe
17	1411108		1	Drain tap
18	257829	rq=720 L=720mm	1	Hose
19	1466073	ø 12-22	2	Hose clamp
20	1408090		1	Union
21	812372	M14x1.5x9	1	Screw plug
22	303098	14,2x19,9x1,5	1	Gasket



02-30-0036 Flange pipe, engine, DC9A EMS



153545

**02-30-0036 Flange pipe, engine, DC9A EMS**

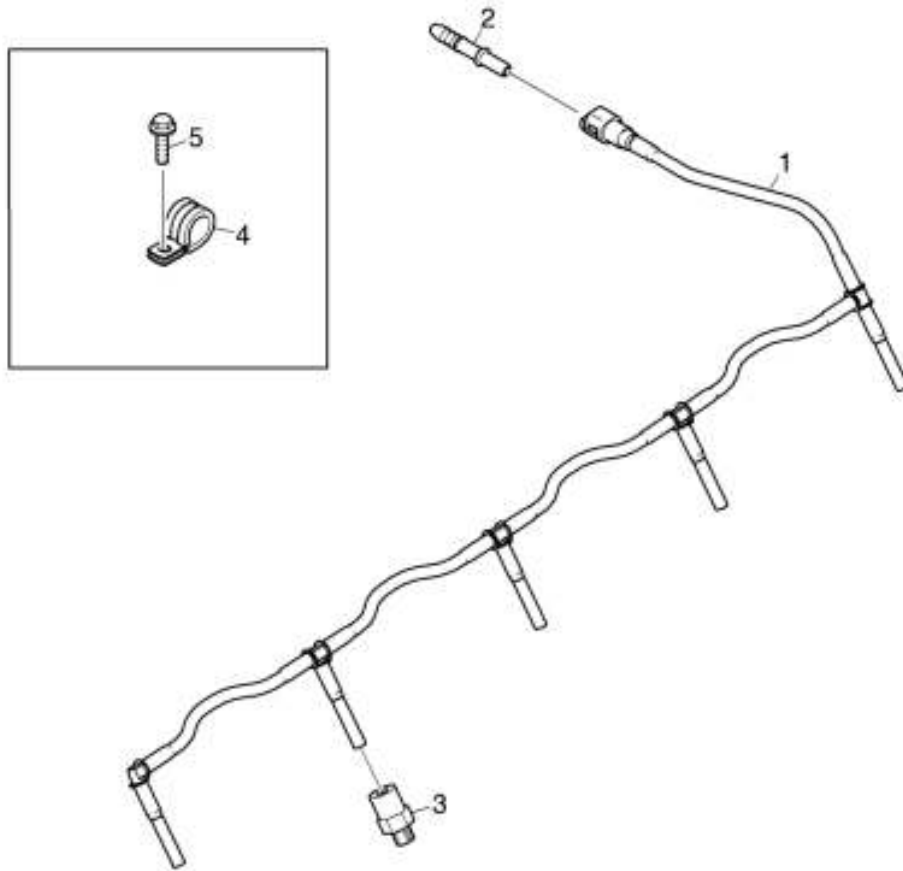
Series no.

EN 6352326- SSS

Pos.	Part no.	Remark	A	Description
2	812521	M8x40	4	Flange screw
3	1374839		1	Sealing washer
4	812376	M22x1.5x9	1	Screw plug
6	1441303		1	Gasket
7	812529	M8x80	2	Flange screw
8	1350394		1	Screw plug
9	1466076	ø 30-45	1	Hose clamp
10	812376	M22x1.5x9	1	Screw plug
11	1374839		1	Sealing washer
12	1739288		1	Plug
13	810964	17,3x2,4	1	O-ring
14	812502	M6x16	1	Flange screw
15	812516	M8x20	1	Flange screw
16	1735681		1	Sealing washer



02-30-0021 Bleed pipe, engine, DC9A EMS



144863

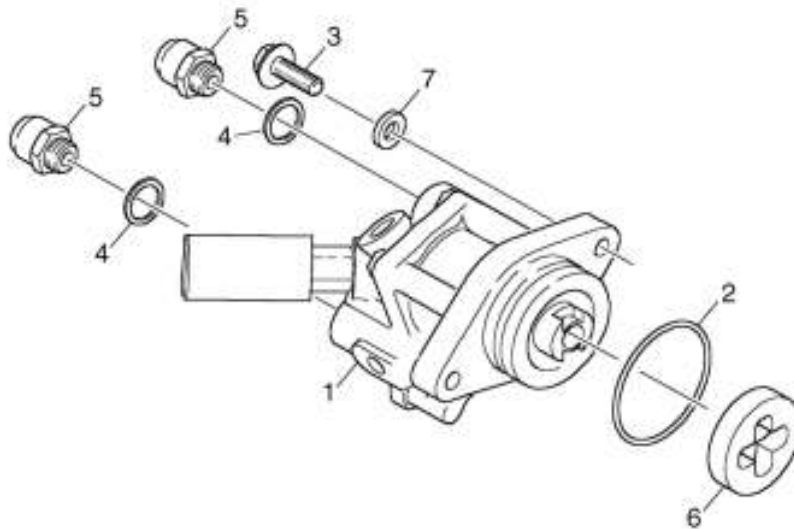


02-30-0021 Bleed pipe, engine, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1539611	assy	1	Bleed pipe
2	1408090		1	•Union
3	1490086		5	Insert connection
4	804576		1	Clamp
5	812502	M6x16	1	Flange screw



03-01-0011 Feed pump, DC9A EMS

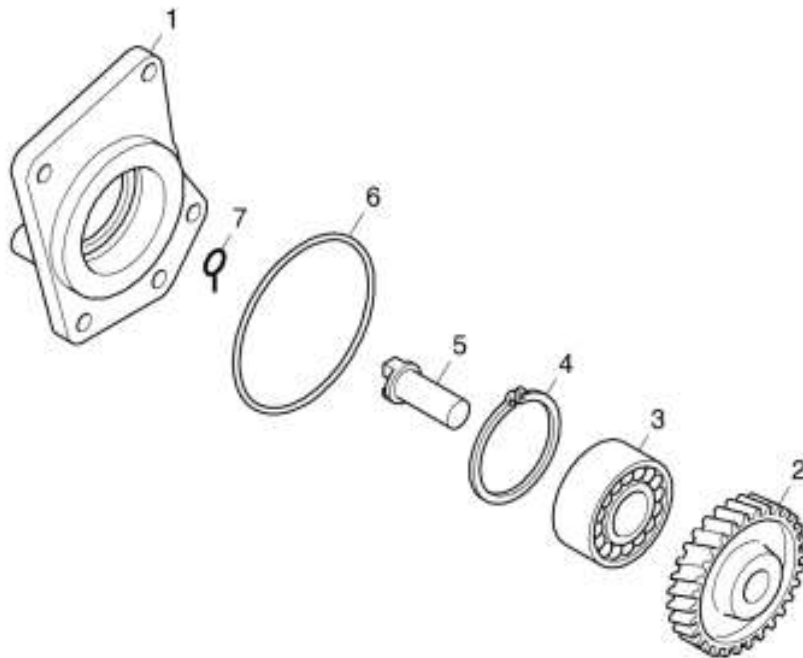


134557

**03-01-0011 Feed pump, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1539298	assy	1	Feed pump
	1427670	1405785	1	•Hand pump
2	804670	44.2x3	1	•O-ring
3	809809	M8x25	2	Screw
4	1373793		2	Sealing washer
5	1722417		2	Insert connection
6	1745730	1378001	1	Coupling sleeve
7	802998	8.4x16x1.6	2	Washer

03-01-0016 Feed pump, drive, DC9A EMS



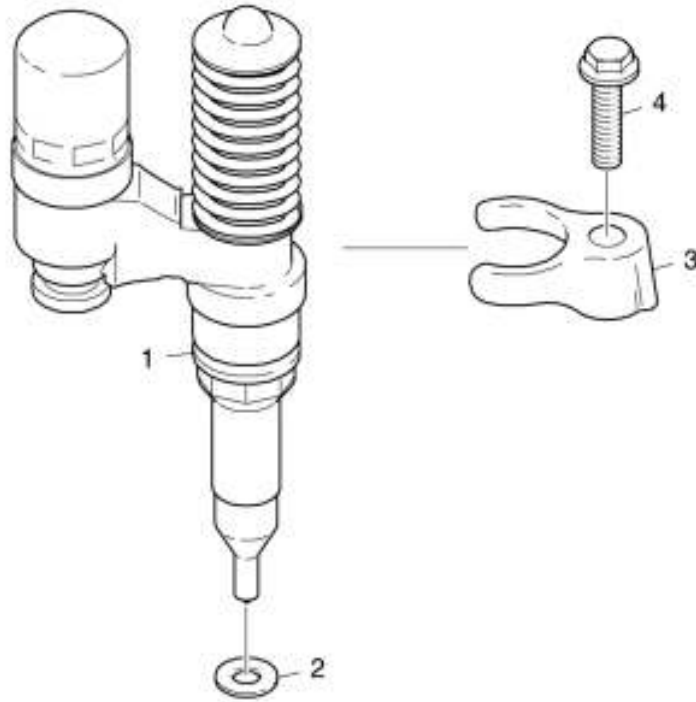
**03-01-0016 Feed pump, drive, DC9A EMS**

Footnote When there is no compressor.

Pos.	Part no.	Remark	A	Description
	1535524	assy	1	Flange
1	1386215		1	•Flange
2	1365857		1	•Gear
3	1314088		1	•Ball bearing
4	804829		1	•Retaining ring
5	1365856		1	•Shaft
6	323790	ø 114,5x3	1	O-ring
7	1871043	1376911	1	O-ring



03-01-0009 Unit injector, DC9A EMS



145115

**03-01-0009 Unit injector, DC9A EMS**

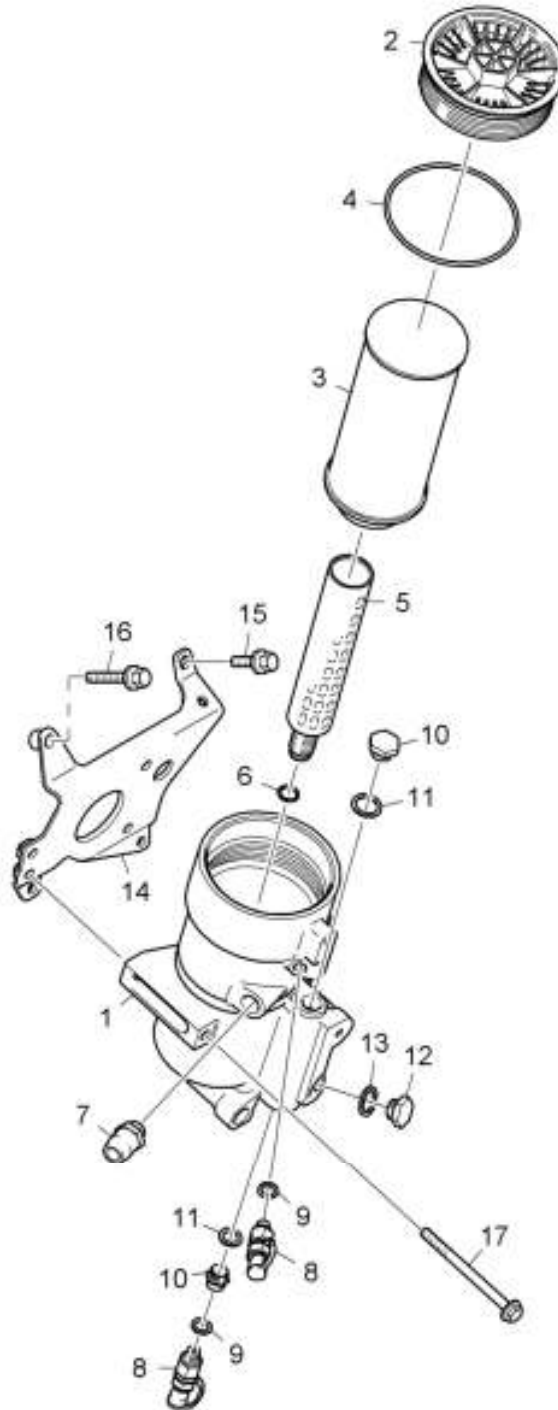
Pos.	Part no.	Remark	A	Description
	579254	Exchange unit. See paper edition dated 12.2002 and earlier.	5	Unit injector
1	1487472	X DC9 65A	5	Unit injector
	579255	Exchange unit. See paper edition dated 12.2002 and earlier.	5	Unit injector
	1487473		1	•Injection nozzle
		See reference 3/99/1000		O-ring kit
		See reference 3/99/1000		Repair kit
2	1421424		5	Gasket
3	1729620		5	Holder
4	1361120	M10x40	5	Flange screw

03-05-0028 Fuel filter unit, fuel pipe, fuel manifold, DC9A EMS, without compressor

Pos.	Part no.	Remark	A	Description
1		See reference 3/5/24		Fuel filter unit
2	1722417		5	Insert connection
3	1533720		1	Fuel pipe
4	1769467		1	Bracket
5	812502	M6x16	1	Flange screw
6	813936	ø 12mm	1	Clamp
7	812537	M10x30	1	Flange screw
8		See reference 3/1/11		Feed pump
9	293098	ø 12mm	3	Clamp
10	812516	M8x20	3	Flange screw
11	1528955	assy	1	Fuel pipe
	323667	ø 8	1	•Banjo union
		ø 16, nsp	1	•Banjo union
12	812391	M16x1,5	1	Banjo screw
13	1775373	1374846	2	Sealing washer
14	1864034	1379215	1	Overflow valve
15	1373793		1	Sealing washer
16	1427384		1	Bleed nipple
17	1373790		1	Sealing washer
18	17146		1	Banjo screw
19	1735681	1374842	2	Sealing washer
20	1528957		1	Fuel manifold
21	1368061		5	Gasket
22	1544472		5	Banjo screw
23	1735681	1374842	5	Sealing washer
24	812390	M14x1.5	1	Banjo screw
25	1775372	1374845	2	Sealing washer
26	1735672	assy	1	Fuel pipe
	813869	ø 12x1.5	m	•Pipe
	1358973	ø 14	1	•Banjo union
	1369877	ø 16	1	•Banjo union
27	812391	M16x1,5	1	Banjo screw
28	1775373	1374846	2	Sealing washer
29	142660		2	Clamp
30	812516	M8x20	2	Flange screw



03-05-0031 Fuel filter unit, DC9A EMS



145885

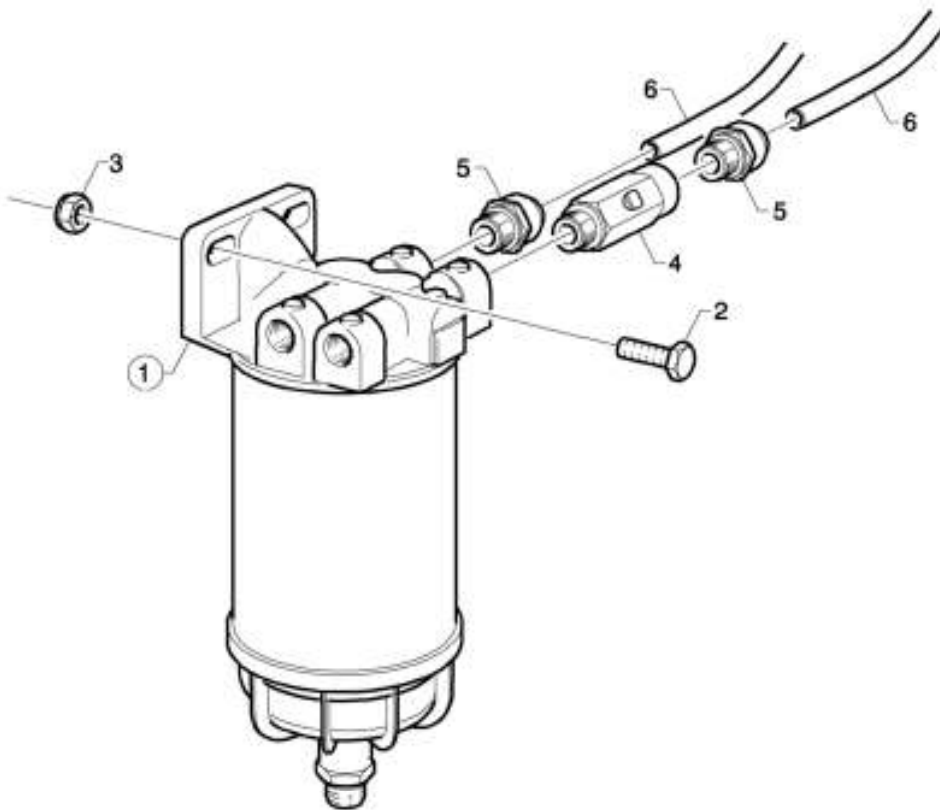
**03-05-0031 Fuel filter unit, DC9A EMS**

Series no. EN 6280450- SSS
EN 8066949- SLA

Pos.	Part no.	Remark	A	Description
	1778650	1741322 assy	1	Fuel filter housing
1		nss	1	•Filter housing
2	1429057		1	•Cover
3	1873018	1446432 kit	1	•Fuel filter
4	321991	99.5x3	1	••O-ring
5	1429058		1	•Tube
6	1431549		1	••O-ring
7	1722417		1	•Insert connection
8	1515098		1	•Bleed nipple
	1427384		1	••Bleed nipple
		nss	1	••Cover
9	1373790		1	•Sealing washer
10	1523461		1	•Plug
11	1374839		1	•Sealing washer
12	812373	M16x1.5x9	2	•Screw plug
13	1373793		2	•Sealing washer
14	1743910		1	Bracket
15	1402555	M8x30	3	Flange screw
16	816141	M8x50	1	Flange screw
17	812531	M8x100	3	Flange screw



03-05-0027 Fuel filter, water separator, DC9A EMS



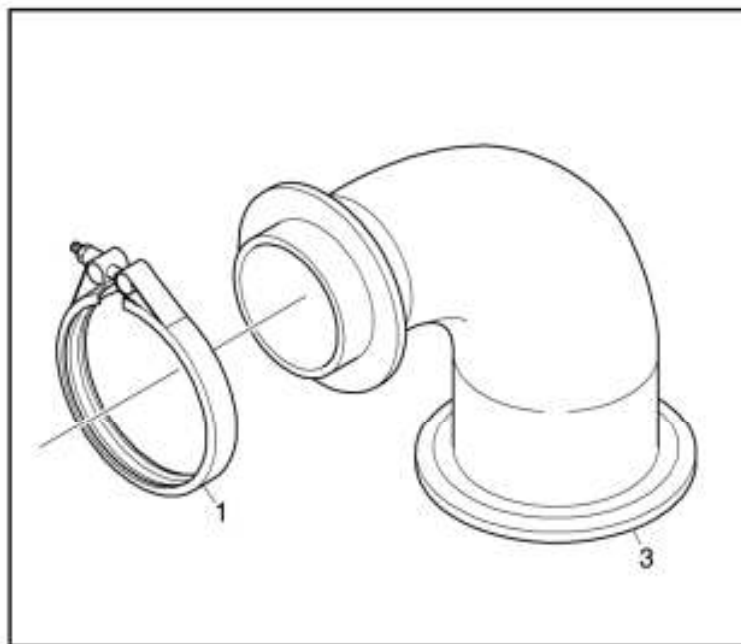
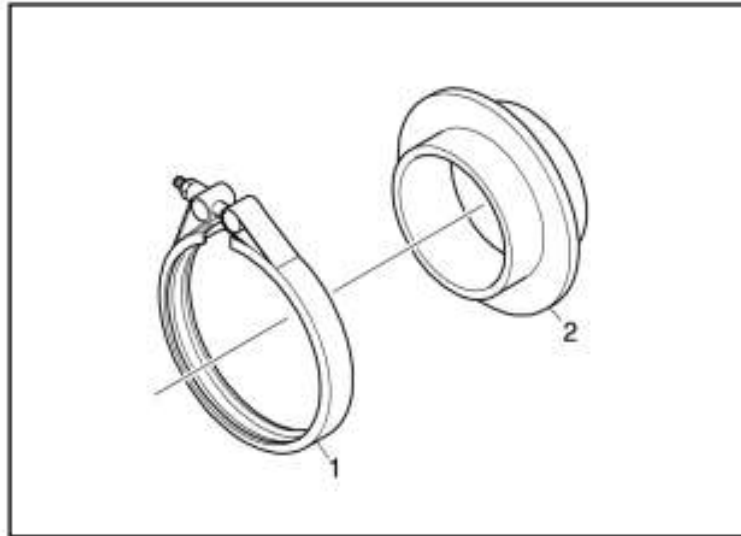
109168

**03-05-0027 Fuel filter, water separator, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1393639	assy	1	Fuel filter unit
	1393640		1	•Filter element
	1393641		1	•Filter head
	1407702		1	•Bowl
2	814824	M10x40	2	Hexagon screw
3	815147	M10	2	Lock nut
4	1411353		1	Drain tap
	812415	16.2x19.9	1	Gasket
5	1722417		2	Insert connection
6	813869	ø 12x1.5	m	Pipe



03-25-0502 Connection tubes, exhaust system, DC9A EMS



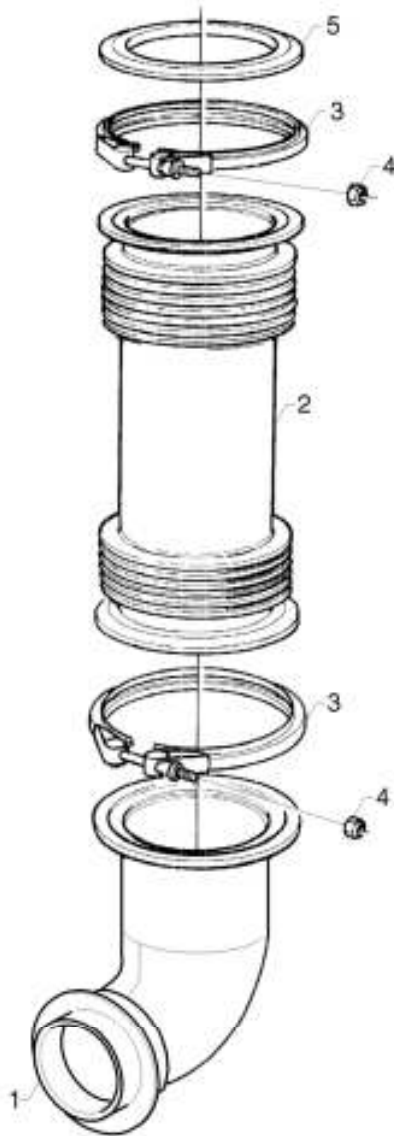
142566



03-25-0502 Connection tubes, exhaust system, DC9A EMS

Pos.	Part no.	Remark	A	Description
1	1433190		1	V-clamp
2	1383335	alt	1	Flange pipe
3	1383333	alt	1	Turbo exhaust pipe

03-25-0507 Connection tubes, exhaust system, DC9A EMS



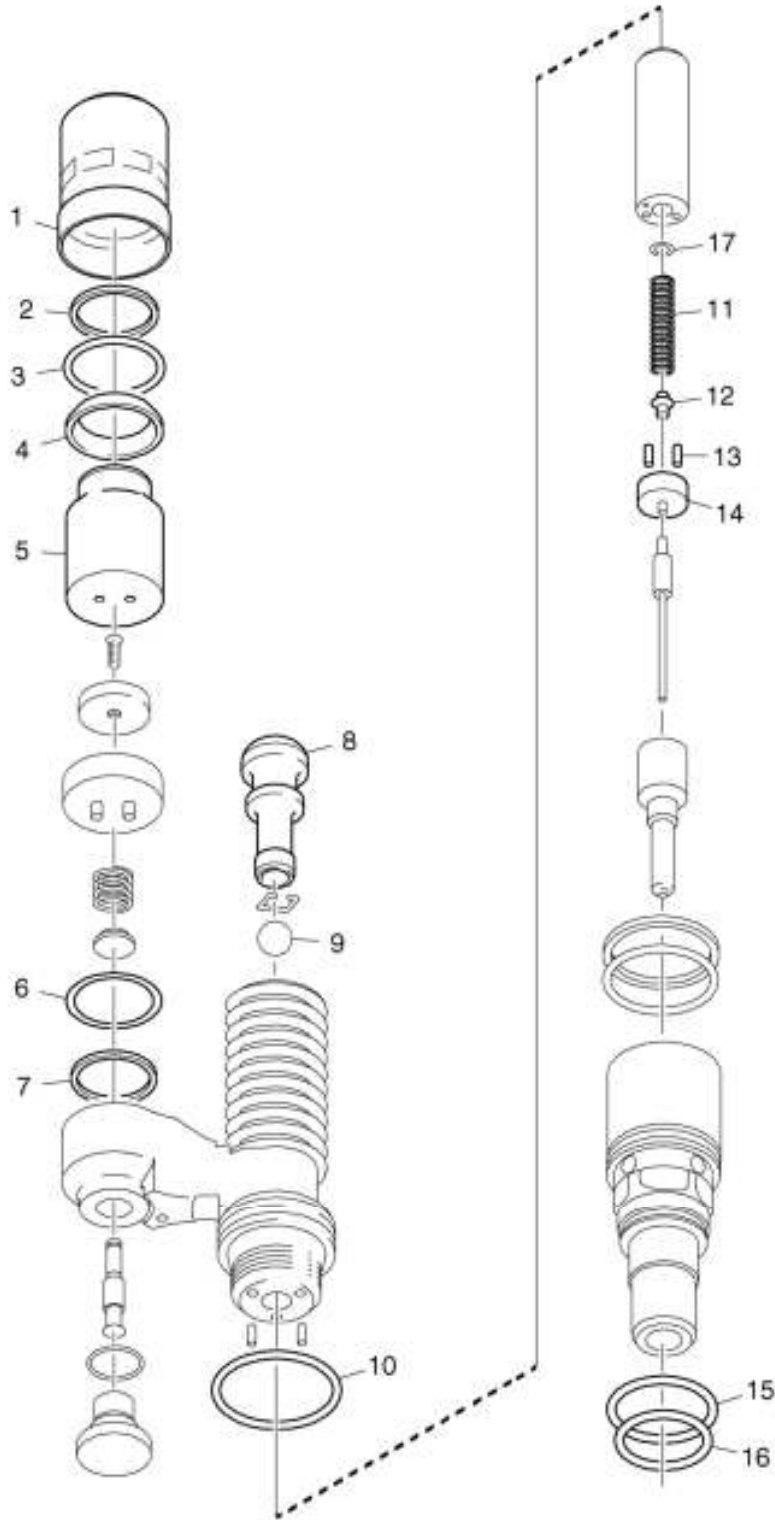
109171

**03-25-0507 Connection tubes, exhaust system, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1383333		1	Turbo exhaust pipe
2	1338111		1	Exhaust bellows
3	1380137		2	V-clamp
4	815122	M6	2	•Hexagon nut
5	1331682	ø 114 mm	1	Flange
5	1302707	ø 130 mm	1	Flange
	1373091		rq	Seal



03-99-1000 O-ring kit, stator, PDE



144743

03-99-1000 O-ring kit, stator, PDE

Footnote Injection system - unit injector PDE.

Pos.	Part no.	Remark	A	Description
	1731209		1	Repair kit
2		nss	1	•Support ring
3		nss	1	•O-ring
6		nss	1	•O-ring
7		nss	1	•Support ring
	1422564		1	O-ring kit
10		nss	1	•O-ring
15		nss	1	•O-ring
16		nss	1	•O-ring
	1402039			Grease
	1775008		1	Repair kit
11	1541179		1	•Spring
12		nss	1	•Spring seat
13	1541177		2	•Spring pin
	1774409		1	Repair kit
13	1541177		2	•Spring pin
14		nss	1	•Plate
	1412219	R 8 mm	1	Pushrod
				Repair kit
8		nss	1	•Pushrod
9		nss	1	•Ball
	1440576	R 10 mm	1	Pushrod
				Repair kit
8		nss	1	•Pushrod
9		nss	1	•Ball
	1784376		1	Repair kit
				Solenoid valve
2		nss	1	•Support ring
3		nss	1	•O-ring
5		nss	1	•Stator
	1784386		1	Repair kit
1		nss	1	•Nut
				Stator
4		nss	1	•Support ring
17	1407620	TH=1,00 mm	rq	Shim
	1407621	TH=1,02 mm	rq	Shim
	1407622	TH=1,04 mm	rq	Shim
	1407623	TH=1,06 mm	rq	Shim
	1407624	TH=1,08 mm	rq	Shim
	1407625	TH=1,10 mm	rq	Shim

**03-99-1000 O-ring kit, stator, PDE**

Pos.	Part no.	Remark	A	Description
	1407626	TH=1,12 mm	rq	Shim
	1407627	TH=1,14 mm	rq	Shim
	1407628	TH=1,16 mm	rq	Shim
	1407629	TH=1,18 mm	rq	Shim
	1407630	TH=1,20 mm	rq	Shim
	1407631	TH=1,22 mm	rq	Shim
	1407632	TH=1,24 mm	rq	Shim
	1407633	TH=1,26 mm	rq	Shim
	1407634	TH=1,28 mm	rq	Shim
	1407635	TH=1,30 mm	rq	Shim
	1407636	TH=1,32 mm	rq	Shim
	1407637	TH=1,34 mm	rq	Shim
	1407638	TH=1,36 mm	rq	Shim
	1407639	TH=1,38 mm	rq	Shim
	1407640	TH=1,40 mm	rq	Shim
	1407641	TH=1,42 mm	rq	Shim
	1407642	TH=1,44 mm	rq	Shim
	1407643	TH=1,46 mm	rq	Shim
	1407644	TH=1,48 mm	rq	Shim
	1407645	TH=1,50 mm	rq	Shim
	1407646	TH=1,52 mm	rq	Shim
	1407647	TH=1,54 mm	rq	Shim
	1407648	TH=1,56 mm	rq	Shim
	1407649	TH=1,58 mm	rq	Shim
	1407650	TH=1,60 mm	rq	Shim
	1407651	TH=1,62 mm	rq	Shim
	1407652	TH=1,64 mm	rq	Shim
	1407653	TH=1,66 mm	rq	Shim
	1407654	TH=1,68 mm	rq	Shim
	1407655	TH=1,70 mm	rq	Shim
	1407656	TH=1,72 mm	rq	Shim
	1407657	TH=1,74 mm	rq	Shim
	1407658	TH=1,76 mm	rq	Shim
	1407659	TH=1,78 mm	rq	Shim
	1407660	TH=1,80 mm	rq	Shim
	1407828	TH=1,82 mm	rq	Shim
	1407829	TH=1,84 mm	rq	Shim
	1407830	TH=1,86 mm	rq	Shim
	1407831	TH=1,88 mm	rq	Shim
	1407832	TH=1,90 mm	rq	Shim
	1407833	TH=1,92 mm	rq	Shim
	1407834	TH=1,94 mm	rq	Shim
	1407835	TH=1,96 mm	rq	Shim
	1407836	TH=1,98 mm	rq	Shim



16-05-0013 Alternator, 100A L3B, DC9A EMS



131661

**16-05-0013 Alternator, 100A L3B, DC9A EMS**

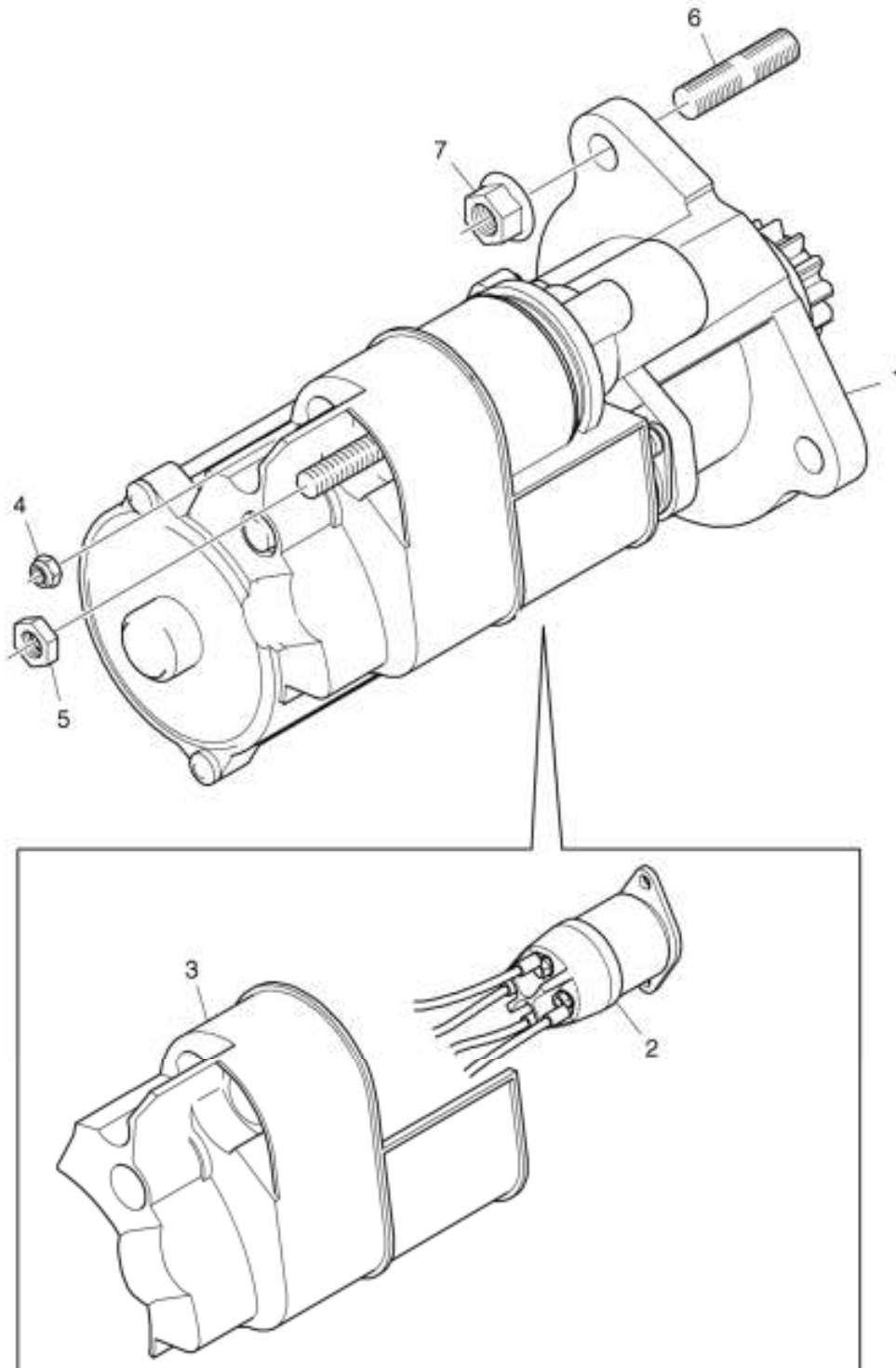
Series no.

EN 6271958- SSS

Pos.	Part no.	Remark	A	Description
1	1777464	X 1774595	1	Alternator
	571439	Exchange unit. See paper edition dated 12.2002 and earlier.	1	Alternator
	1504316	X	1	•Alternator
	571439	571477 Exchange unit. See paper edition dated 12.2002 and earlier.		Alternator
	1501243		1	•Pulley
	1524022	Insulated	1	•Nut



16-10-0009 Starter motor, DC9A EMS



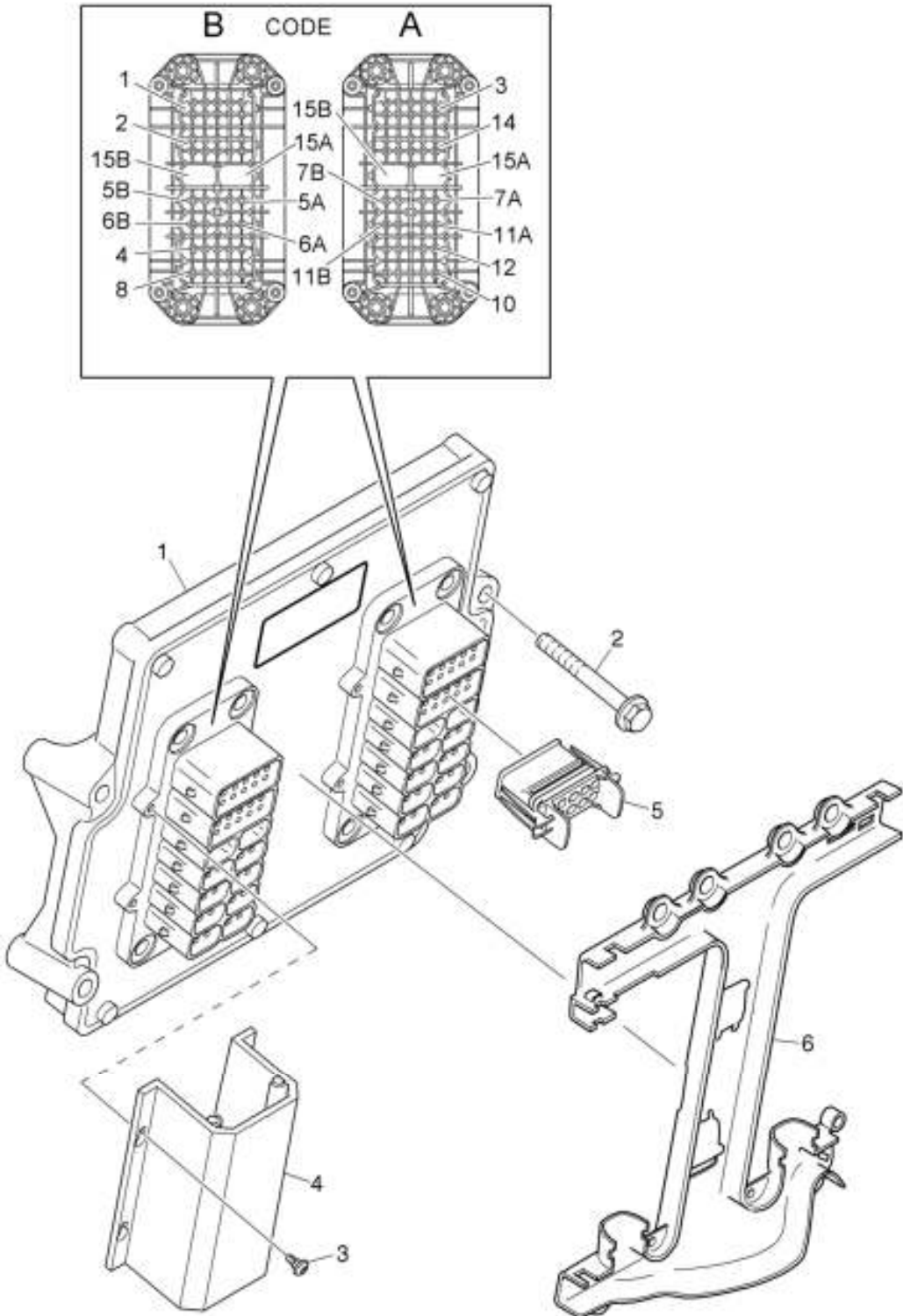
146418

**16-10-0009 Starter motor, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1447911	X		Starter motor
	571467			Starter motor
2	1501248		1	•Relay
3	1509592		1	•Casing
4	807351	M6	1	Lock nut
5	815107	M10	1	Hexagon nut
6	800627	M12X60	3	Stud
7	815134	M12	3	Flange nut
	1872999	X For 1447911		Repair kit
	570189	Exchange unit. See paper edition dated 12.2002 and earlier.		Starter motor
	807310	10.5x20	1	•Washer
	815615	M10	1	•Lock nut
	571467		1	•Starter motor



16-15-0901 Electronic control unit, DC9A EMS, S6

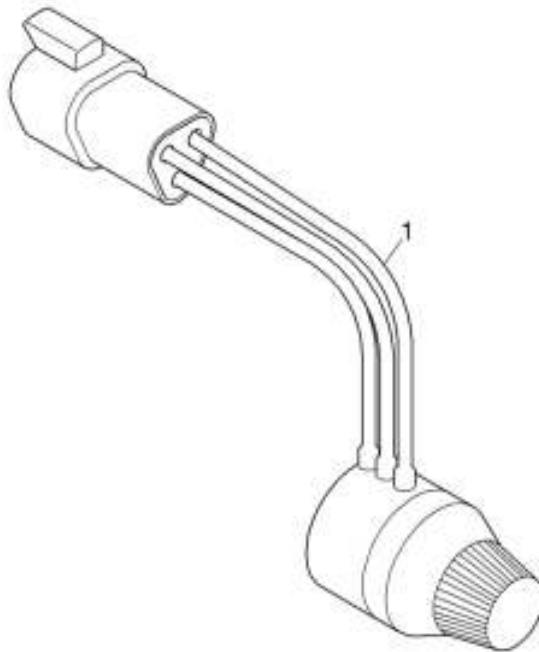


138503

**16-15-0901 Electronic control unit, DC9A EMS, S6**

Pos.	Part no.	Comp. code	Remark	A	Description
1	1725654		The engine No. must be specified when ordering.	1	ECU
		E44			
2	812525		M8x60	4	Flange screw
3	805922		M4x8	8	Screw
4	1547891			2	Cover
5	1430199		2-pol. Plug	rq	Contact housing
	1430200		5-pol. Plug	rq	Contact housing
	1537092		1430201	rq	Contact housing
			See reference 16/70/1882		
6	1487484			1	Duct
	812503		M6x20	8	Flange screw
	815360		L=100x2,4	6	Cable tie
	815361		L=185x4,6	9	Cable tie

16-15-1204 Speed setting, potentiometer, DC9A/D12/D16 EMS



138860

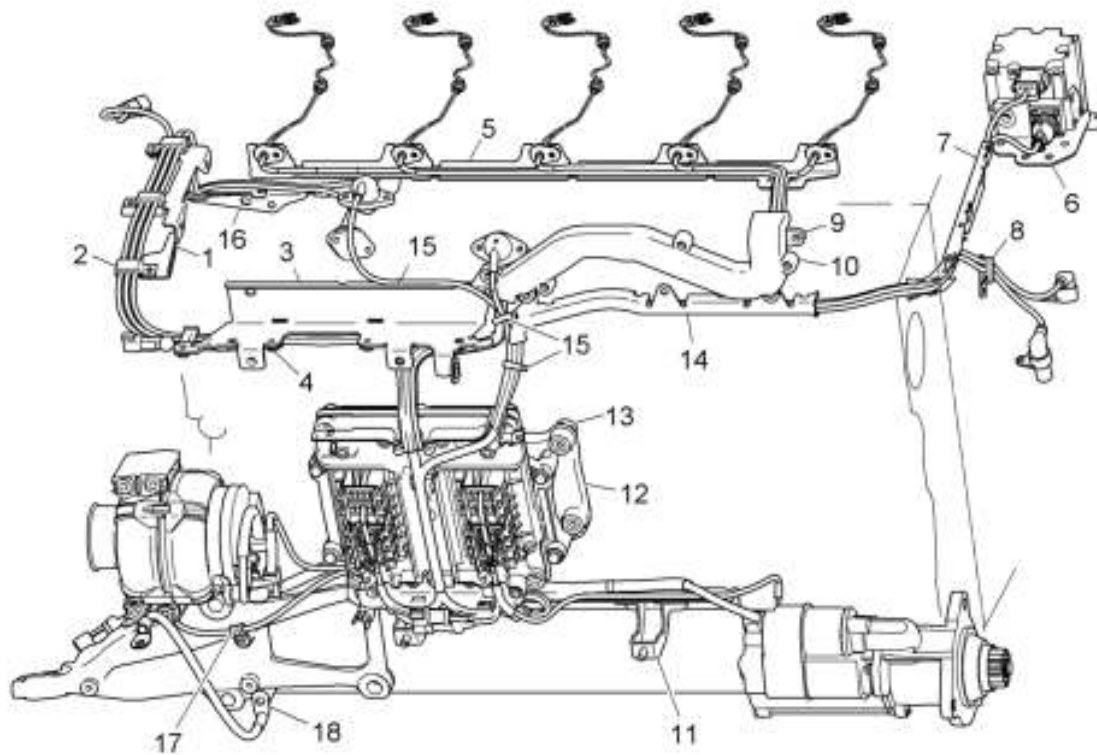


16-15-1204 Speed setting, potentiometer, DC9A/D12/D16 EMS

Pos.	Part no.	Remark	A	Description
1	1456340	assy	1	Potentiometer
	1383572		1	•Sleeve
	1349112	3-pol, orange	1	•Wedge lock
	1360370		3	•Cable terminal round pin



16-30-0014 Cable routeing, engine, DC9A EMS



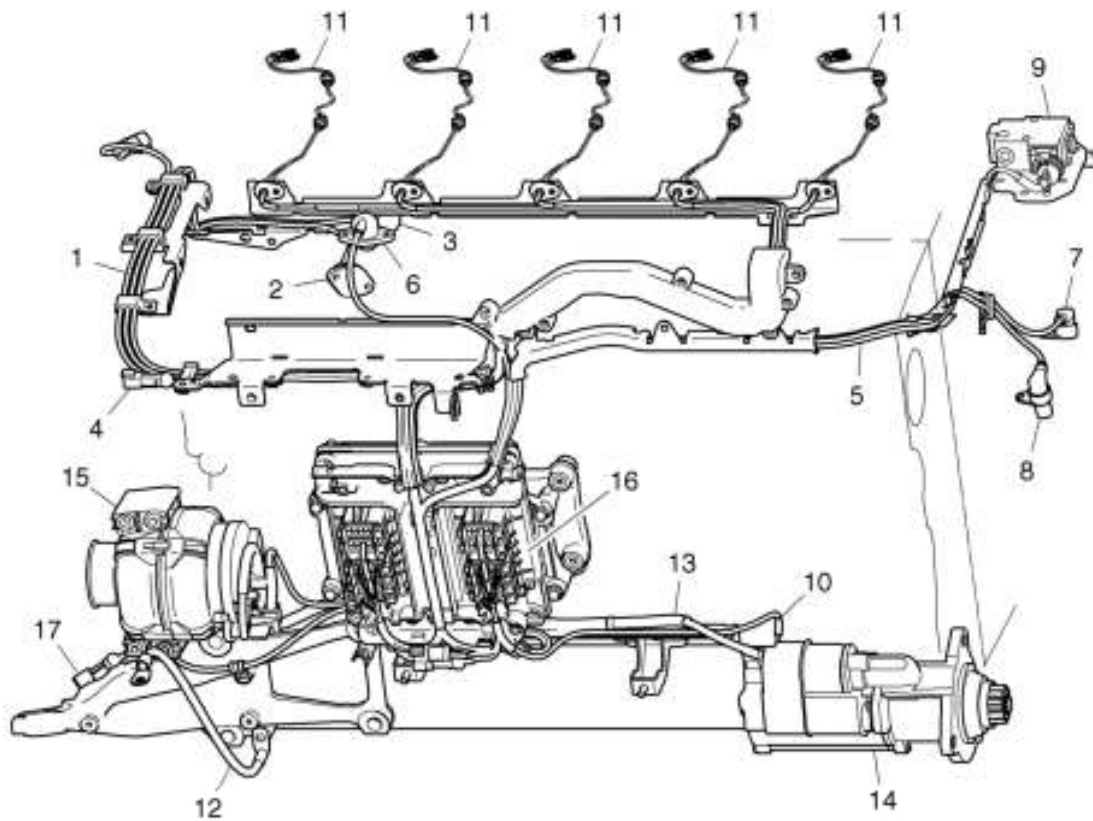
146439

**16-30-0014 Cable routeing, engine, DC9A EMS**

Pos.	Part no.	Remark	A	Description
1	1516976		1	Bracket
	812516	M8x20	2	Flange screw
2	1382788		3	Clamp
	812502	M6x16	3	Flange screw
3		nsp, 1500038	1	Duct
	812515	M8x16	3	Flange screw
	812516	M8x20	1	Flange screw
	802998	8.4x16x1.6	1	Washer
4	1516974		3	Clamp
	812502	M6x16	3	Flange screw
5		nsp, 1506929	1	Duct
	815361	L=185x4,6	5	Cable tie
	812502	M6x16	5	Flange screw
6	1509413		1	Bracket
	812516	M8x20	2	Flange screw
	816141	M8x50	2	Flange screw
	812523	M8x50	2	Flange screw
7		nsp, 1493309	1	Duct
	815361	L=185x4,6	4	Cable tie
	812516	M8x20	2	Flange screw
8	1382788		1	Clamp
	812989	M6x16	1	Self-tapping screw
9	1530934		1	Duct
	812518	M8x25	3	Flange screw
	815361	L=185x4,6	7	Cable tie
10	1530936		1	Casing
	812502	M6x16	3	Flange screw
11	1533645		1	Duct
	812534	M10x20	3	Flange screw
	815361	L=185x4,6	5	Cable tie
12	1529584		1	Adapter plate
13		nsp, 1529585	4	Vibration insulator
	805626	FX8x50	4	Screw
14		nsp, 1493310	1	Duct
	815361	L=185x4,6	4	Cable tie
	812515	M8x16	1	Flange screw
15	815361	L=185x4,6	5	Cable tie
16	1500363		1	Duct
	812516	M8x20	2	Flange screw
	815361	L=185x4,6	3	Cable tie
17	293100	ø 6	1	Clamp
	812515	M8x16	1	Flange screw
18	812534	M10x20	1	Flange screw
	807326	10.5x20x4	1	Washer



16-45-0034 Cable harness, injection system, DC9A EMS



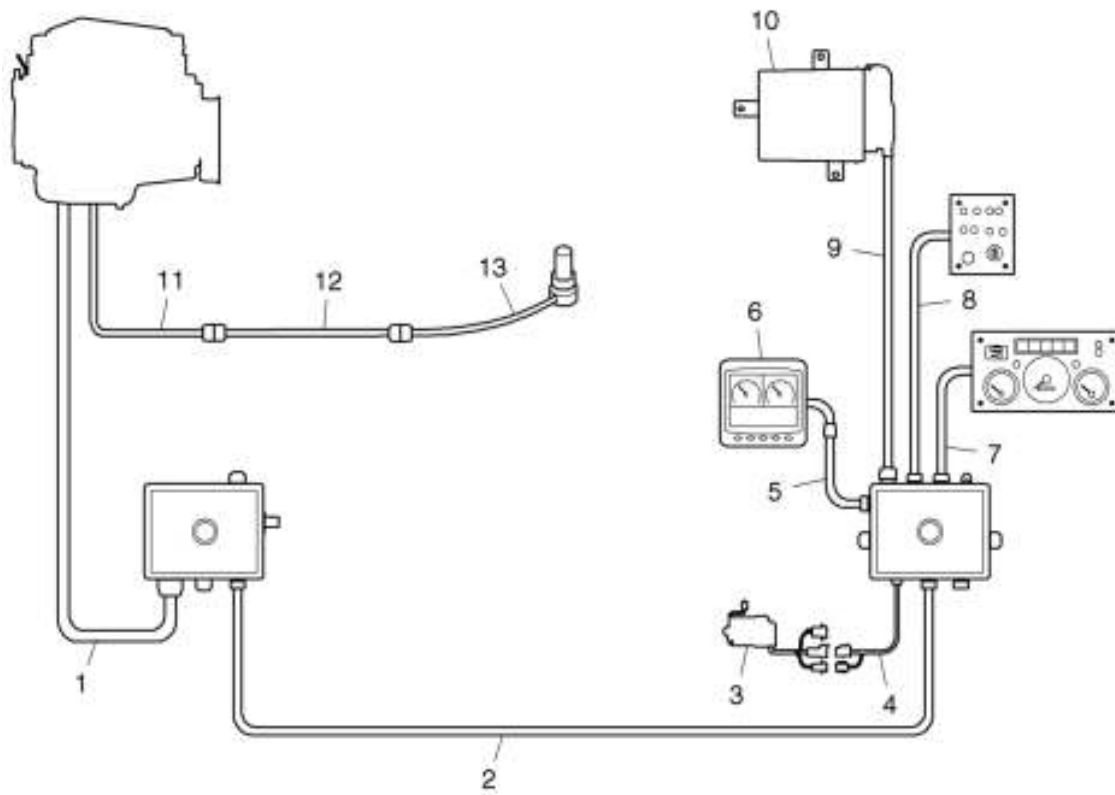
146058

16-45-0034 Cable harness, injection system, DC9A EMS
Series no.

EN -6401535 SSS

Pos.	Part no.	Remark	A	Description
1	1861960	1788327	1	Cable harness
2	1535521	Kit		•Oil pressure sensor
3	1865315	1788498 Kit		•Temperature sensor
	810958	11.3x2.4		••O-ring
4		AC conn. See reference 16/70		•Contact housing
5	1540808		1	Cable harness
6	1862890	1787155 Kit		•Combined sensor
	812990	M6x20	2	Self-tapping screw
6	1864224	1787522 DC9 65A EN 6329131-SSS EN 8091363- SLA	1	Cable harness
7	1457303	Kit, Speed 1		•Rotational speed sensor
8	1457304	Kit, speed 2		•Rotational speed sensor
9	1856309	1756046	1	Proportional valve
10	1545581	Starter and alternator	1	Cable harness
10		nsp, Without alternator	1	Cable harness
11	1524195		5	Repair kit
12	1541747	Supply	1	Ground connection
13	1760028	100A L3B	1	Cable harness
14		See reference 16/10		Starter motor
15		See reference 16/5		Alternator
16		See reference 16/15		Electronic control unit
17		Fan conn. See reference 16/70		Contact housing

16-45-1211 Cable harness, junction box, DC9A EMS



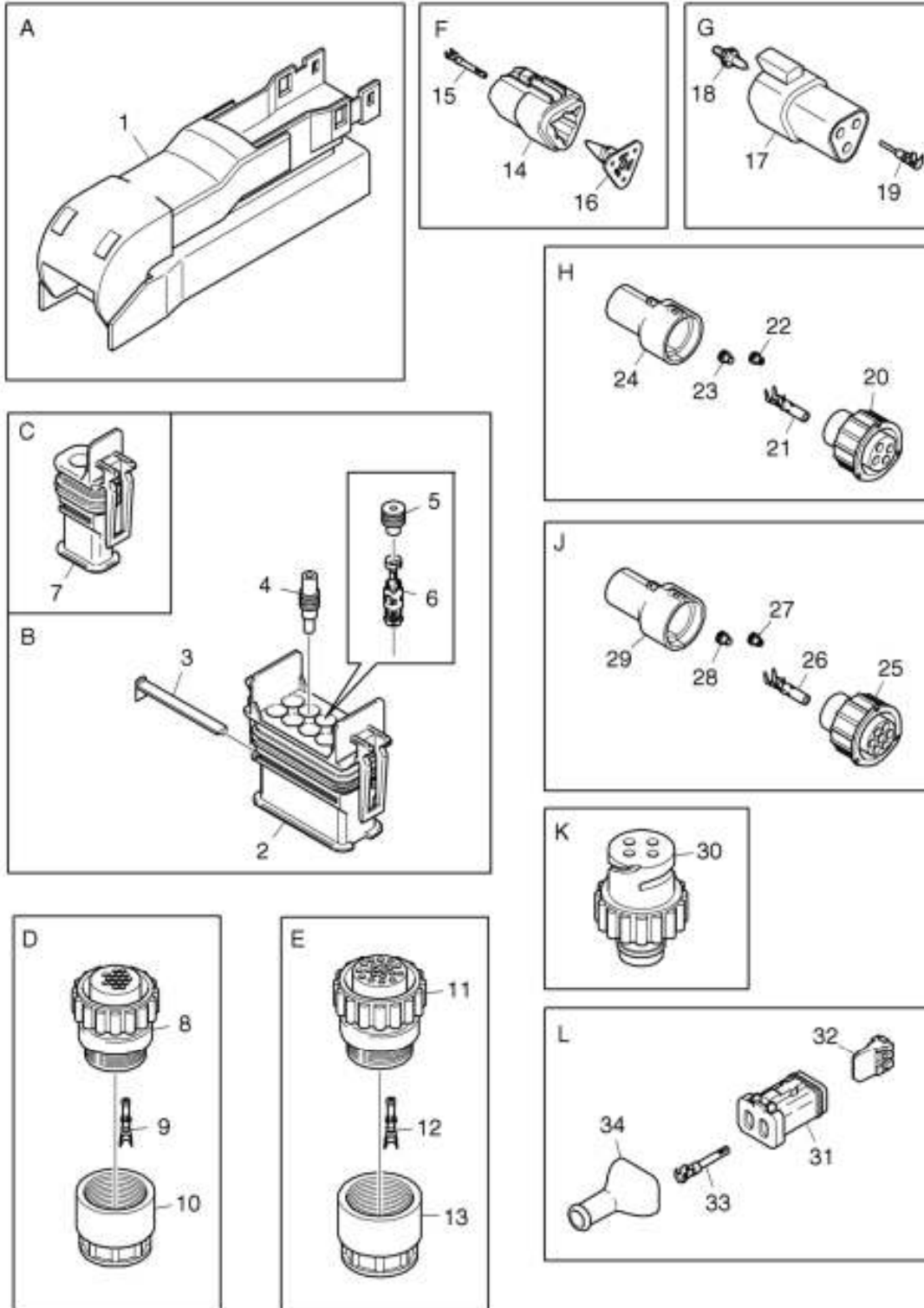
146674

16-45-1211 Cable harness, junction box, DC9A EMS

Series no. EN 6345232- SSS
EN 8710985- SLA

Pos.	Part no.	Remark	A	Description
1	1852211	1532035 assy	1	Cable harness
1	1845822	assy, With connection B1	1	Cable harness
		See reference 16/1	1	•Junction box
2	1549674	2m	1	Connection cable
	1549675	8m	1	Connection cable
	1549676	12m	1	Connection cable
	1744123	24m	1	Extension cable
3	1364185		1	Sensor
4	1505754	2m	1	Cable harness
	1505755	8m	1	Cable harness
5	1720757		1	Cable harness
6		See reference 17/1	1	Display
	1549683	assy See reference 17/1	1	Instrument panel
7		nsp	1	•Cable harness
	1721077	assy, key set See reference 17/1	1	Switch panel
8		nsp	1	•Cable harness
	1549686	assy See reference 16/1	1	Junction box
9		nsp	1	•Cable harness
10		See reference 16/15	1	Coordinator
11	1549688		1	Cable harness
12	1393039		1	Cable harness
13	1342316		1	Level monitor
	1507254		1	Cable harness
	1777267	opens	1	Sensor

16-70-1212 Contact housing, kit, DC9A/D12/D16 EMS



150253

16-70-1212 Contact housing, kit, DC9A/D12/D16 EMS

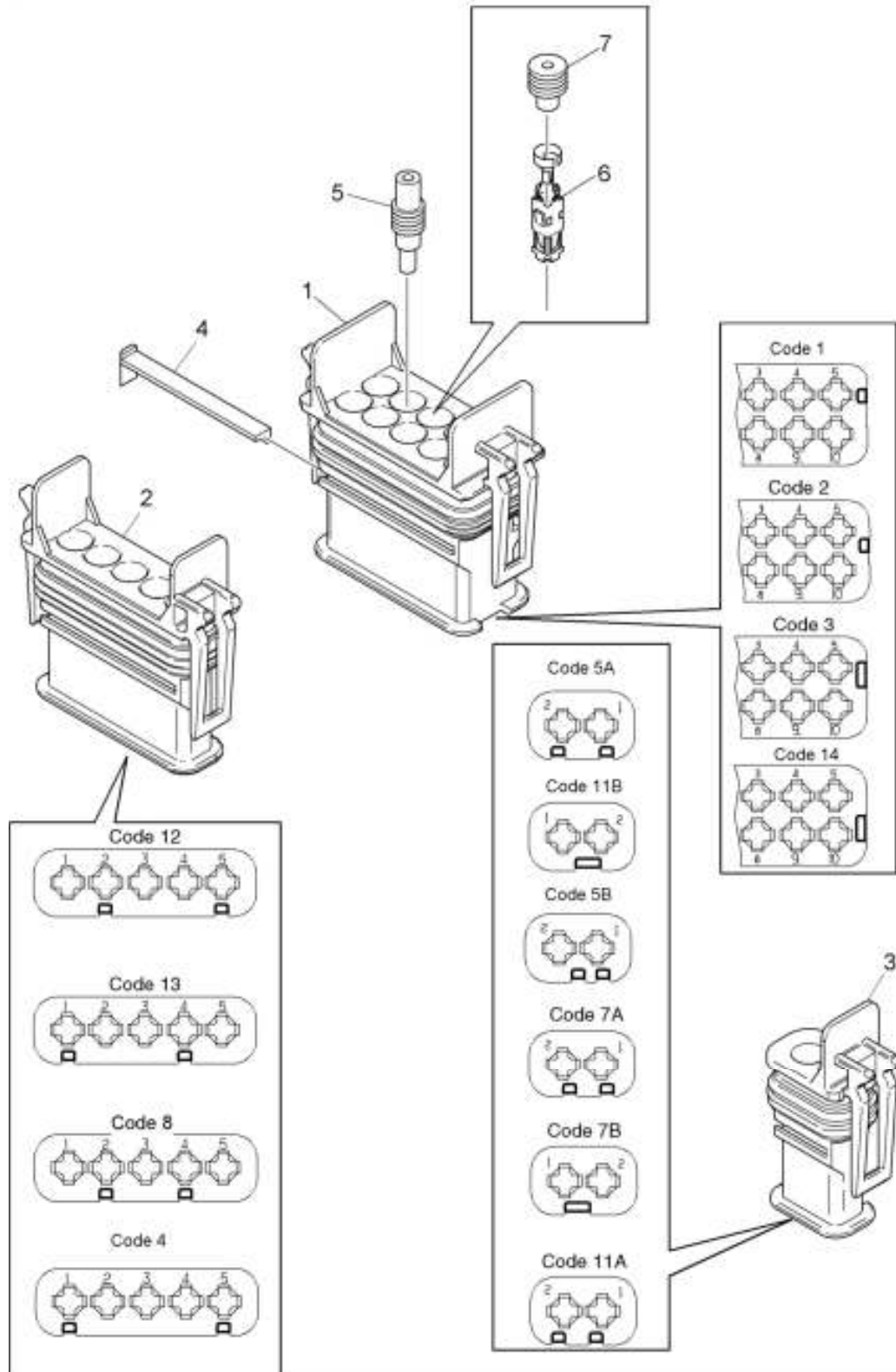
Qty A connector B1, black
 B connector A2, white

Pos.	Part no.	Remark	A	B	Description
A	1505750	assy	1		Connector
1	1404305		1		•Contact housing
	815886	815660	4		•Cable terminal flat socket
	816054	816053	30		•Cable terminal flat socket
	815361	L=185x4,6	1		•Cable tie
		nsp	1		•Resistor
B	1505532	assy	1		Connector
	1520205	assy		1	Connector
2	1426470		1		•Contact housing
	1426473			1	•Contact housing
3	1426475		2	2	•Lock pin
4	1427320		5	7	•Plug
5	1380388		8	6	•Seal
6	1380386		6	6	•Sleeve
	1384509		3		•Cable terminal flat socket
C	1757384	assy	1		Connector
7		nsp	1		•Contact housing
	1426474		1		•Lock pin
	1427320		2		•Plug
	1380388		3		•Seal
	1380386		4		•Sleeve
D	1725857	14-pol. assy	1		Connector
8	1735027		1		•Contact housing
9		nsp	14		•Cable terminal
10		nsp	1		•Cable fitting
E	1505531	24-pol. assy	1		Connector
11	1735029		1		•Contact housing
12		nsp	24		•Cable terminal
13		nsp	1		•Cable fitting
F	1757385	assy	1		Connector
14	1440853		1		•Contact housing
15	1361118		5		•Cable terminal round socket
16	1349113	3-pol, orange	1		•Wedge lock
G	1456342	assy	1		Connector
17	1383572		1		•Sleeve
18	1349112	3-pol, orange	1		•Wedge lock
19	1361119	Tool 588203:3	5		•Cable terminal round pin
H	1508055	assy	1		Connector
20	1392811	4-pol.	1		•Contact housing
21	1446813	Tool 99494:B/C	5		•Cable terminal round socket

16-70-1212 Contact housing, kit, DC9A/D12/D16 EMS

Pos.	Part no.	Remark	A	B	Description
22	1446823		5		•Seal
23	1367258		2		•Plug
24		nsp	1		•Dust cover
J	1507253	assy	1		Connector
25	1402288	7-pol.	1		•Contact housing
26	1402290	Tool 99494:B/C	9		•Cable terminal round socket
27	1367259		8		•Seal
28	1367258		3		•Plug
29		nsp	1		•Dust cover
K		diagnos to CAN-bus			Connector
30	1777502		1		KIT
	1862924	1798763 SDP3 to adapter	1		Cable harness
L		External emergency stop			
	1845823		1		KIT
31	1528286		1		•Contact housing
32	1529440		1		•Wedge lock
33	1360371	Tool 99496:A	6		•Cable terminal round socket
34	1779819		1		•Boot

16-70-1882 Contact housing, E44, S6



126763

16-70-1882 Contact housing, E44, S6

Pos.	Part no.	Remark	A	Description
1	1426470	10-pol. Code 1	rq	Contact housing
	1426471	10-pol. Code 2	rq	Contact housing
	1426472	10-pol. Code 3	rq	Contact housing
	1426473	10-pol. Code 14	rq	Contact housing
	1537092	1430201 10-pol. Code 0 (Plug)	rq	Contact housing
2	1426468	5-pol. Code 12	rq	Contact housing
	1426469	5-pol. Code 13	rq	Contact housing
		1426467 5-pol. Code 8	rq	
	1430200	5-pol. Plug 5-pol. Code 0 (Plug)	rq	Contact housing
3	1426462	2-pol. Code 7A	rq	Contact housing
	1426463	2-pol. Code 7B	rq	Contact housing
	1426464	2-pol. Code 11A	rq	Contact housing
	1430199	2-pol. Plug 2-pol. Code 0 (Plug)	rq	Contact housing
4	1426475	10-pol.	rq	Lock pin
	1426475	5-pol.	rq	Lock pin
	1426474	2-pol.	rq	Lock pin
5	1427320		rq	Plug
6	1380386		6	Sleeve
	1384509	1.0mm ²	3	Cable terminal flat socket
		1384510	rq	Cable terminal flat socket
7	1380388		rq	Seal