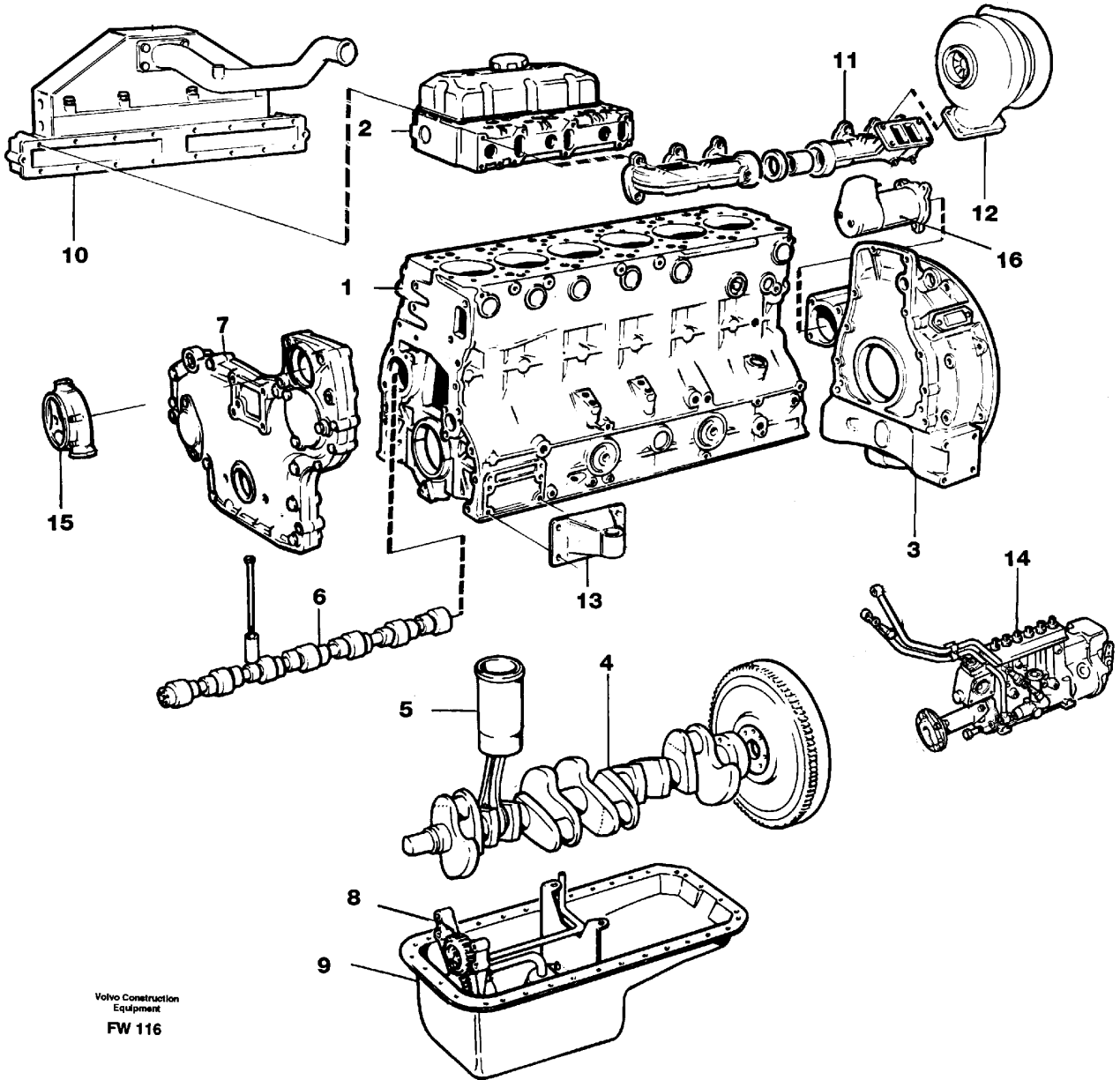


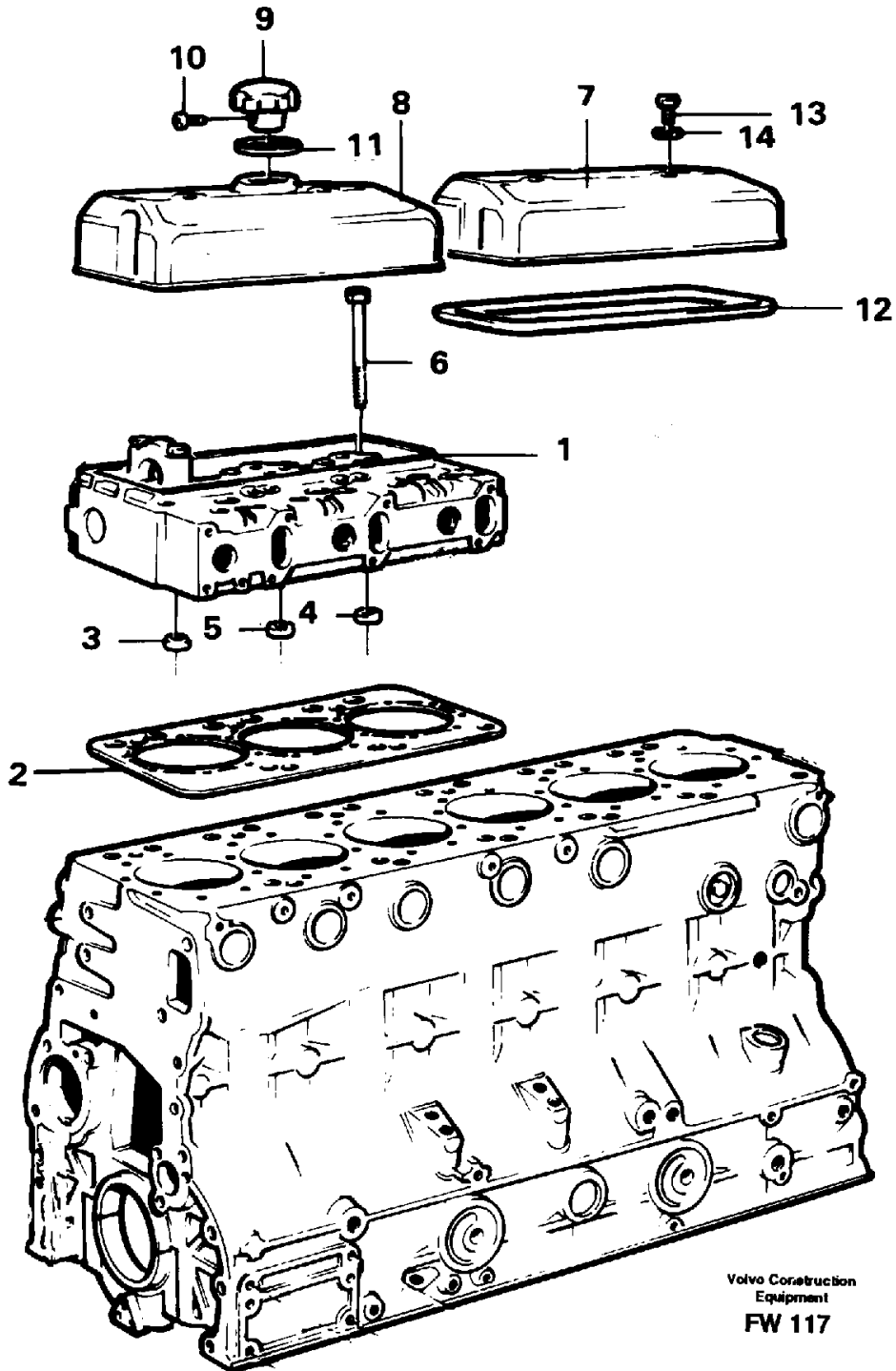
Date: <b>2013/10/2</b>	Image id: <b>FW116</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>210/150</b>	Title: <b>Engine</b>



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE15004160	1							Engine		(VOE8188124) TD73KHE
1		1							Cylinder block		See ref 212/100
2		1							Cylinder head		See ref 211/100
3		1							Flywheel housing		See ref 212/150
4		1							Crank mechanism		See ref 216/100
5		1							Cyl liner and piston		See ref 213/100

6		1							Camshaft		See ref 215/150
7		1							Timing gear casing		See ref 215/100
8		1							Lubricating system		See ref 221/100
9		1							Oil sump		See ref 217/100
10		1							Inlet pipe		See ref 251/150
11		1							Exhaust pipe		See ref 251/200
12		1							Turbocharger		See ref 255/100
13		1							Engine mounting		See ref 218/100
14		1							Fuel system		SEE GROUP 230
15		1							Cooling system		SEE GROUP 260
16		1							Starter motor		See ref 331/100

Date: <b>2013/10/2</b>	Image id: <b>FW117</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>211/100</b>	Title: <b>Cylinder head with fitting parts</b>

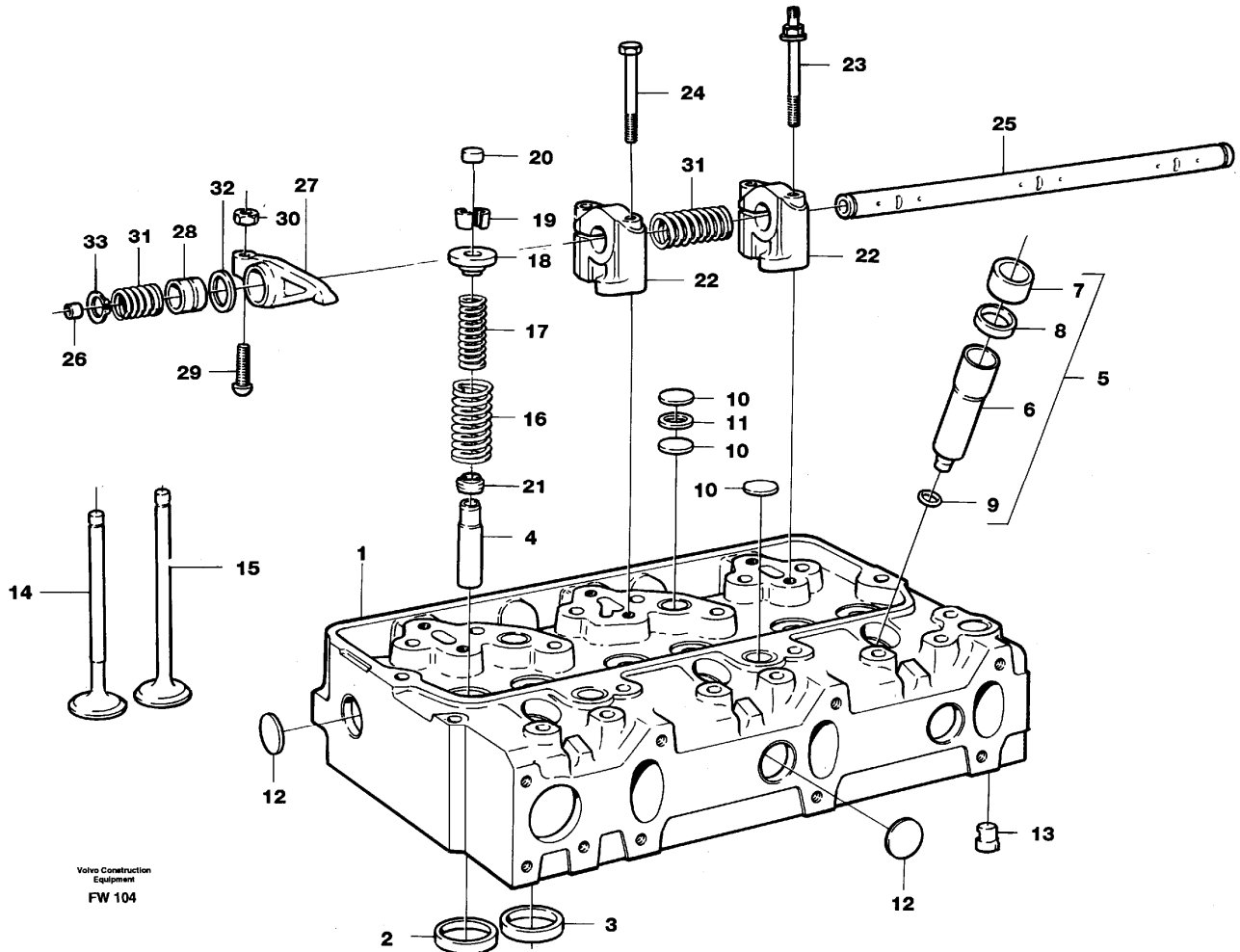


Volvo Construction  
Equipment  
FW 117

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		2							Cylinder head		See ref 211/200

	VOE276816	2							Gasket kit		
2		2					NS	K	•Gasket		
3	VOE465784	12						K	•Sealing		
4	VOE466421	16						K	•Sealing ring		
5	VOE422413	2						K	•Sealing ring		
6	VOE471481	40							Screw		
7	VOE471426	1							Valve cover		
8	VOE471813	1							Valve cover		
9	VOE421753	1							Filler cap		
10	VOE955126	1							•Cross recessed screw		
11	VOE1275379	1						K	Gasket		(VOE940096)
12	VOE471520	2						K	Gasket		
13	VOE465961	4							Cap nut		
14	VOE471856	4						K	Sealing ring		

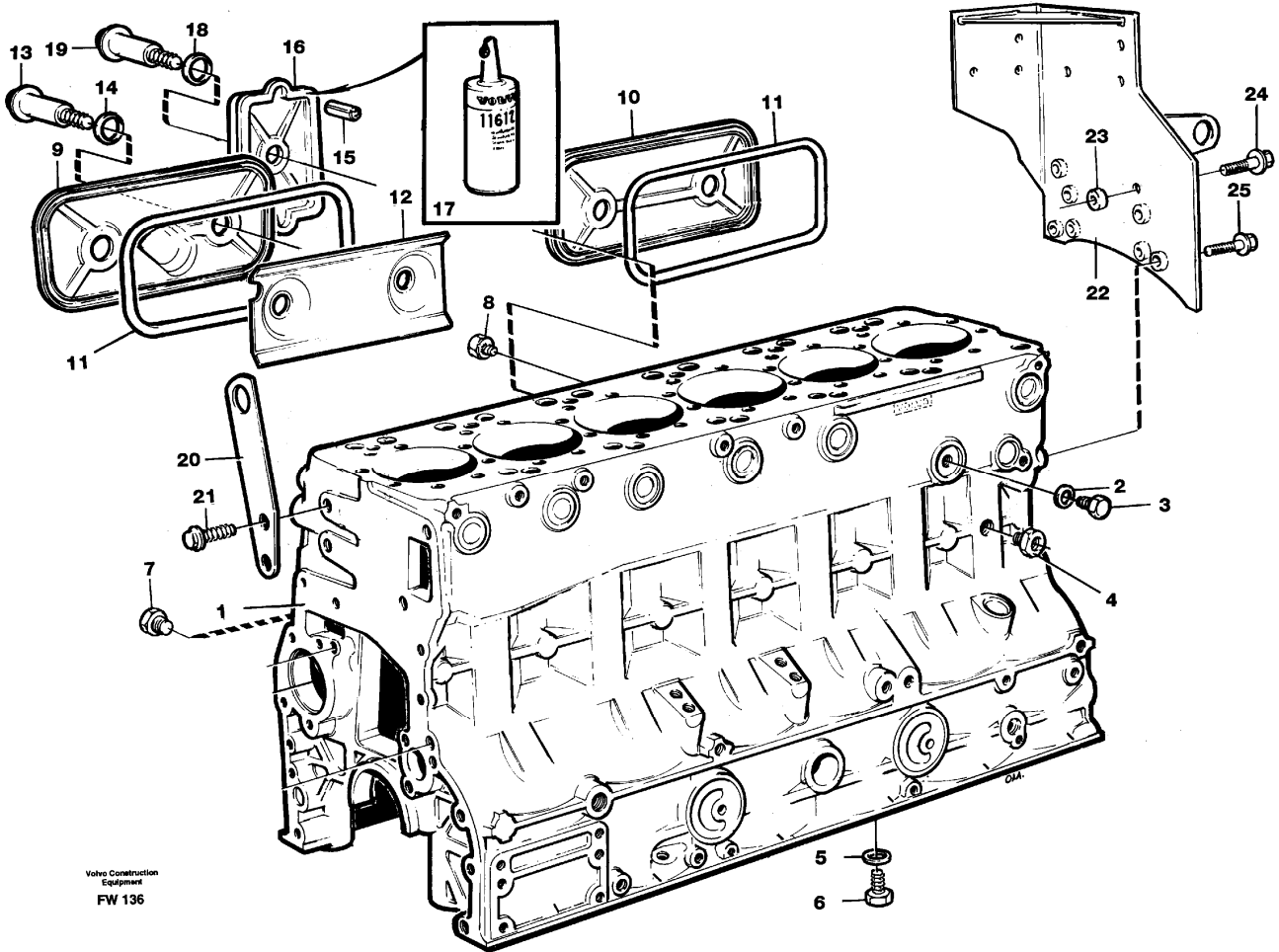
Date: <b>2013/10/2</b>	Image id: <b>FW104</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>211/200</b>	Title: <b>Cylinder head</b>



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE477797	1							Cylinder head		
1	VOE477789	1					SE		•Cylinder head		
2	VOE477657	3							••Valve seat		STD
	VOE477658	3							••Valve seat		0,20 O SZ
3	VOE477659	3							••Valve seat		STD
	VOE477667	3							••Valve seat		0,20 O SZ
4	VOE477792	6							••Valve guide		
5	VOE276130	3							••Repair kit		
6	VOE477928	3							•••Socket		
7	VOE466420	3							•••Ring		
8	VOE466405	3							•••Sealing ring		
9	VOE466922	3							•••Sealing ring		
10	VOE477026	7							••Expansion plug		

11	VOE947626	2							••Gasket		
12	VOE477024	4							••Expansion plug		
13	VOE465420	5							••Nozzle		
14	VOE3978768	3							•Inlet valve		(VOE477447)
15	VOE477443	3							•Exhaust valve		
16	VOE466384	6							•Valve spring		
17	VOE466383	6							•Valve spring		
18	VOE477451	6							•Valve washer		
19	VOE1677875	12							•Valve Collet		(VOE465284)
20	VOE477449	6							•Valve cap		
21	VOE859171	6							•Valve seal		
22	VOE477384	6							Bearing Bracket		
23	VOE471512	4							Screw		
24	VOE471513	8							Screw		
25	VOE471518	2							Rocker arm shaft		
26	VOE946778	4							•Cap plug		
27	VOE422063	12							Rocker arm		
28	VOE422066	12							•Bushing		
29	VOE422993	12							•Bolt		
30	VOE940175	12							•Nut		
31	VOE421173	4							Spring		
32	VOE941488	4							Washer		
33	VOE914459	4							Retaining ring		

Date: <b>2013/10/2</b>	Image id: <b>FW136</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>212/100</b>	Title: <b>Cylinder block</b>

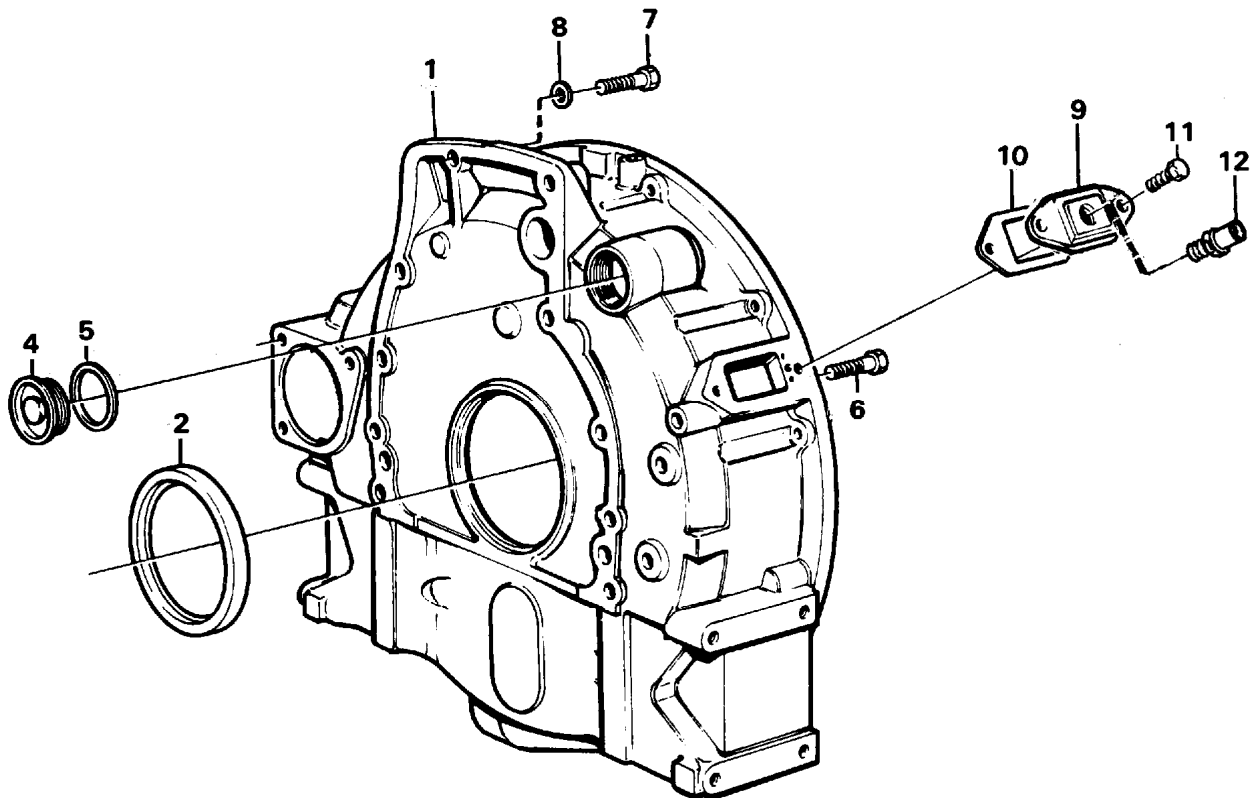
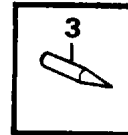


Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Cylinder block		See ref 212/200
2	VOE1556907	1							Gasket		(VOE469328)
3	VOE467367	1							Plug		
4	VOE13946121	1							Nipple		
5	VOE13947629	1							Plane gasket		
6	VOE966146	1					SS		Plug		
7	VOE479976	1							Plug		
8	VOE479979	4							Plug		
9	VOE420121	1							Hatch		
10	VOE420120	1							Inspection lid		
11	VOE421121	2							Gasket		
12	VOE3978045	1							Splash plate		(VOE471858)
13	VOE471855	4							Screw		

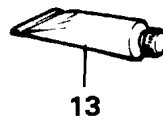
14	VOE471856	4							Sealing ring		
15	VOE951974	1							Spring pin		
16	VOE471854	1							Cover		
17	VOE1161277	REQ							Sealant		20 g
18	VOE471856	1							Sealing ring		
19	VOE471855	1							Screw		
20	VOE848346	1					NS		Lifting eye		
21	VOE13965191	2							Screw		
22	VOE11032760	1					NS		Bracket		
23	VOE847237	1							Spacer sleeve		
24	VOE965225	2							Flange screw		M12 x 35
25	VOE13965192	4							Screw		M12 x 40



Date: <b>2013/10/2</b>	Image id: <b>FW115</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>212/150</b>	Title: <b>Flywheel housing</b>



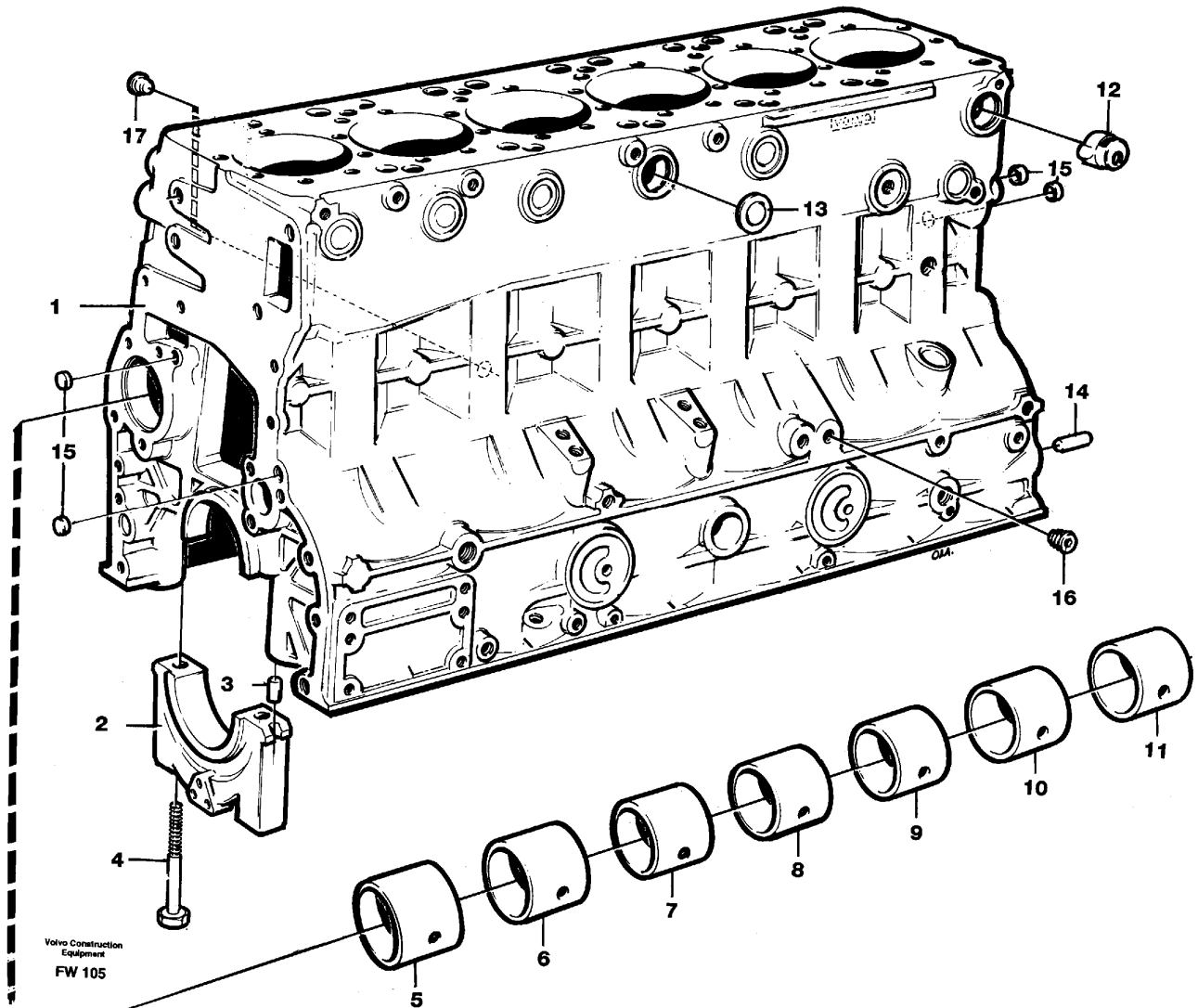
Volvo Construction  
Equipment  
FW 115



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11030170	1					SE		Flywheel housing		
2	VOE477119	1							•Crankshaft Seal		
3	VOE864494	1							Setting Indicator		
4	VOE180761	1							Plug		
5	VOE7011996	1							Gasket		(VOE11996)
6	VOE13966361	6							Flange screw		L = 55
7	VOE968753	2							Flange screw		L = 75
8	VOE941911	10							Spring Washer		ENG - 89913

9	VOE14343835	1							Anchorage		
10	VOE4804167	1							Gasket		
11	VOE13946934	2							Screw		
12	VOE11039533	1							Ind Sensor		B5
13	VOE1161277	REQ							Sealant		20 g

Date: <b>2013/10/2</b>	Image id: <b>FW105</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>212/200</b>	Title: <b>Cylinder block</b>

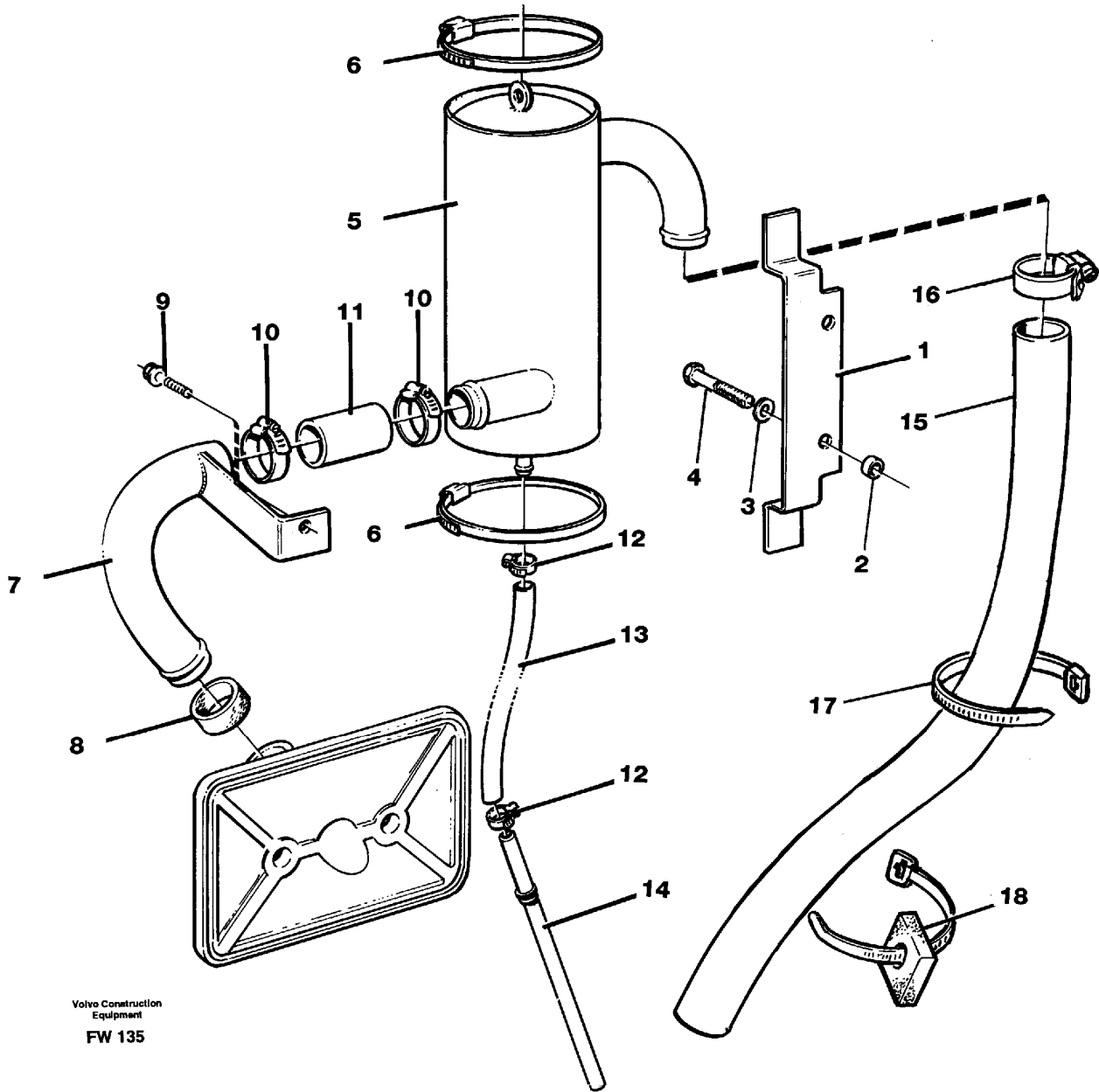


Q1-Q5	Option	Option description	
Q1 977990			
Q2 8192730			

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE477990	1					OP		Cylinder block		ENG - 97292
	VOE8192730		1						Cylinder block		ENG 97293 -
1	VOE477991	1					NS		•Cylinder block		
	VOE8192731		1				NS		•Cylinder block		
2	VOE471935	1					NS		•Cap		MARKED: 1
	VOE471416	1					NS		•Cap		MARKED: 4
	VOE471415	5					NS		•Cap		MARKED: 2,3,5,6,7

	VOE8192740		1						•Cap		
	VOE8192741		1						•Cap		
	VOE8192742		5						•Cap		
3	VOE422426	1	1						•Pin		
4	VOE465899	14							•Screw		
	VOE8192738		14						•Screw		
5	VOE422076	1	1						•Bushing		
6	VOE422077	1	1						•Bushing		
7	VOE422078	1							•Bushing		
	VOE8192676		1						•Bushing		
8	VOE11000014	1							•Bushing		
	VOE8192677		1						•Bushing		
9	VOE422080	1							•Bushing		(VOE7422080)
	VOE8192678		1						•Bushing		
10	VOE422081	1							•Bushing		
	VOE8192679		1						•Bushing		
11	VOE422082	1	1						•Bushing		
12	VOE421154	6	6						•Nozzle		
13	VOE13968955	6	6						•Expansion plug		
14	VOE191171	2	2						•Pin		(VOE7191171)
15	VOE955082	4	4						•Cap plug		
16	VOE968145	1	1						•Plug		
17	VOE422369	7	7						•Plug		

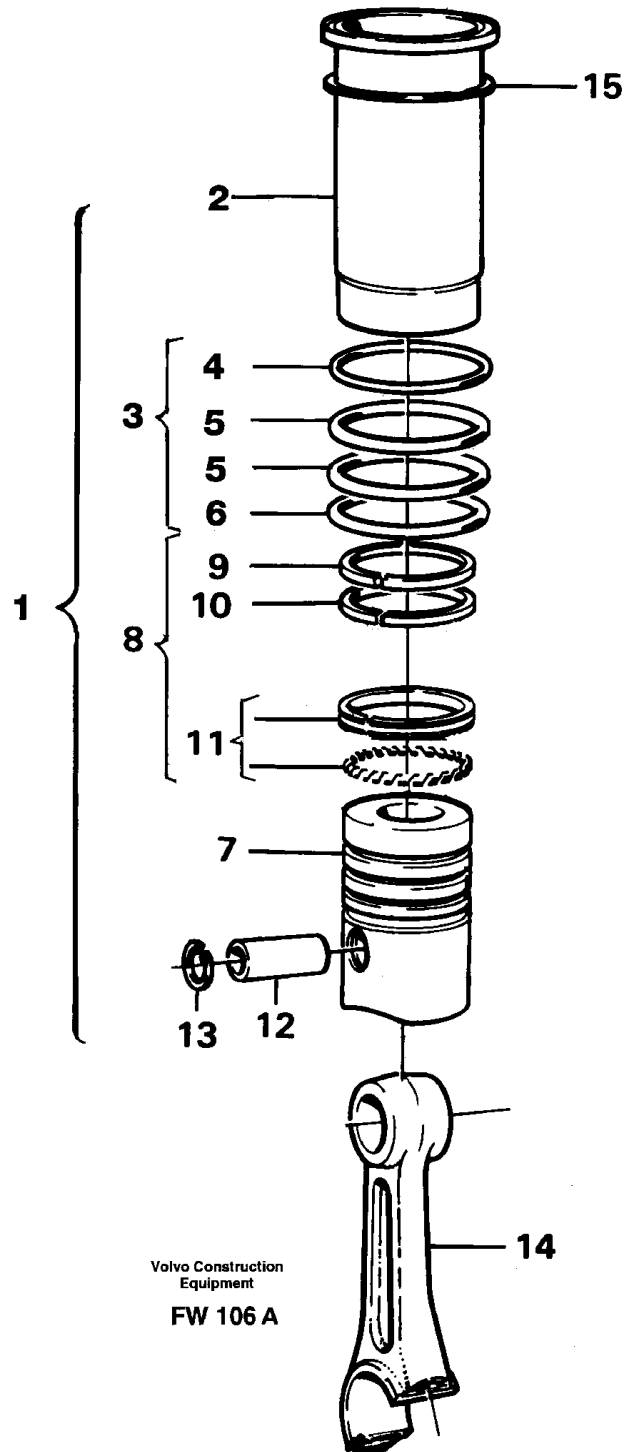
Date: <b>2013/10/2</b>	Image id: <b>FW135</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>212/300</b>	Title: <b>Crankcase ventilation</b>



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11032648	1					NS		Bracket		
2	VOE1560272	2					NS		Spacer		
3	VOE13955894	2							Washer		
4	VOE968842	2							Flange screw		
5	VOE11033878	1							Oil trap		
6	VOE943483	2							Hose clamp		

7	VOE11032748	1							Breather pipe		
8	VOE421158	1							Sealing ring		
9	VOE946440	1							Flange screw		
10	VOE943476	2							Hose clamp		
11	VOE11032676	1							Hose		
12	VOE943470	2							Hose clamp		
13	VOE983342	REQ							Hose		(VOE977316)L = 400
14	VOE11032677	1							Pipe		
15	VOE927661	REQ							Rubber hose		L=950
16	VOE943475	1							Hose clamp		
17	VOE14213260	3							Strip clamp		
18	VOE1581464	1							Washer		

Date: <b>2013/10/2</b>	Image id: <b>FW106A</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>213/100</b>	Title: <b>Cylinder liner and piston</b>

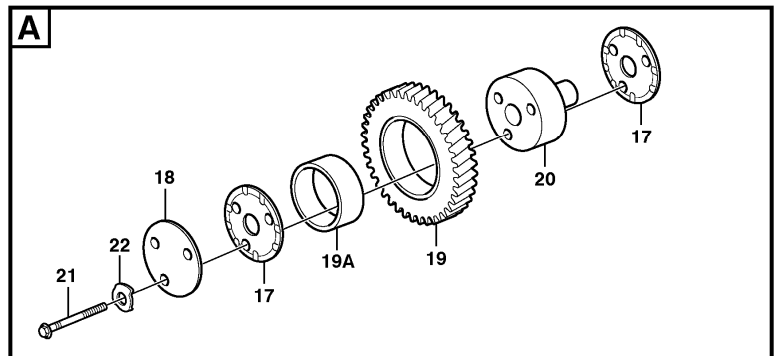
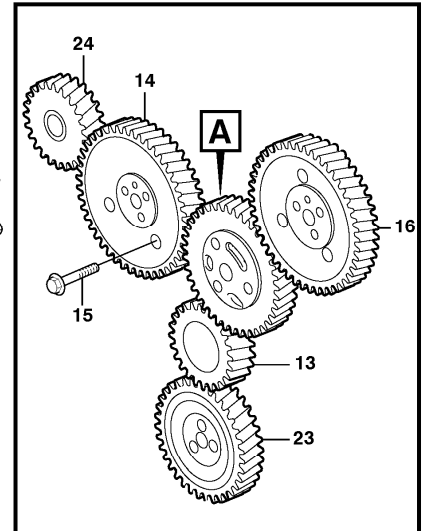
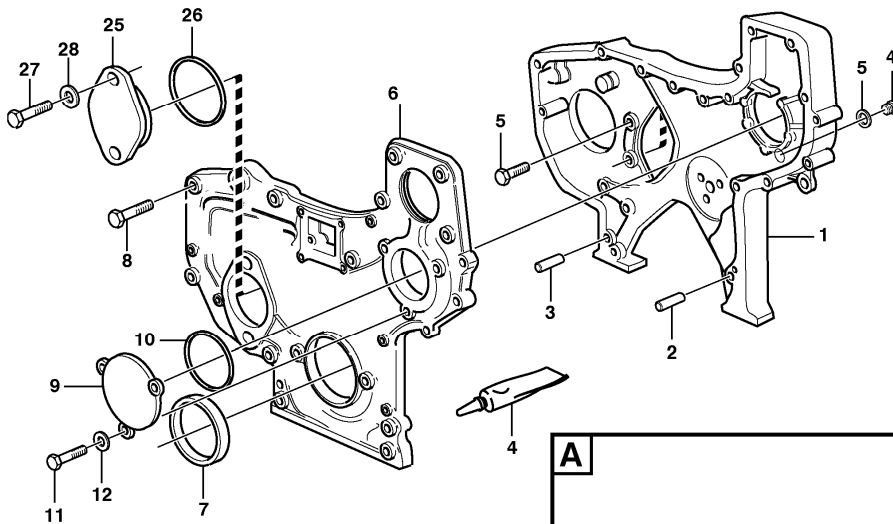


Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE275641	6							Cylinder liner kit		ENG - 97292

	VOE276900	6							Cylinder liner kit		ENG 97293 -
2	VOE477510	6					NS		•Cylinder Liner		
3	VOE271159	6							•Seg Ring Kit		
4	VOE471419	6					NS		••Sealing ring		
5	VOE471424	12					NS		••Oil feed pipe		
6	VOE424831	6					NS		••Sealing ring		
7	VOE477470	6					NS		•Piston		
8	VOE276037	6							•Piston Ring Kit		
9	VOE864158	6					NS		••Compression ring		
10	VOE477492	6					NS		••Compression ring		
11	VOE477493	6					NS		••Oil ring		
12	VOE477900	6					NS		•Piston Pin		
13	VOE914525	12							•Snap Ring		
14		6							Connecting rod		See ref 216/100
15	VOE466878	REQ							Shim		THICK = 0.12MM
	VOE466114	REQ							Shim		THICK = 0.20MM
	VOE466183	REQ							Shim		THICK = 0.30MM
	VOE466184	REQ							Shim		THICK = 0.50MM



Date: <b>2013/10/2</b>	Image id: <b>FW113A</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>215/100</b>	Title: <b>Timing gear casing and gears</b>

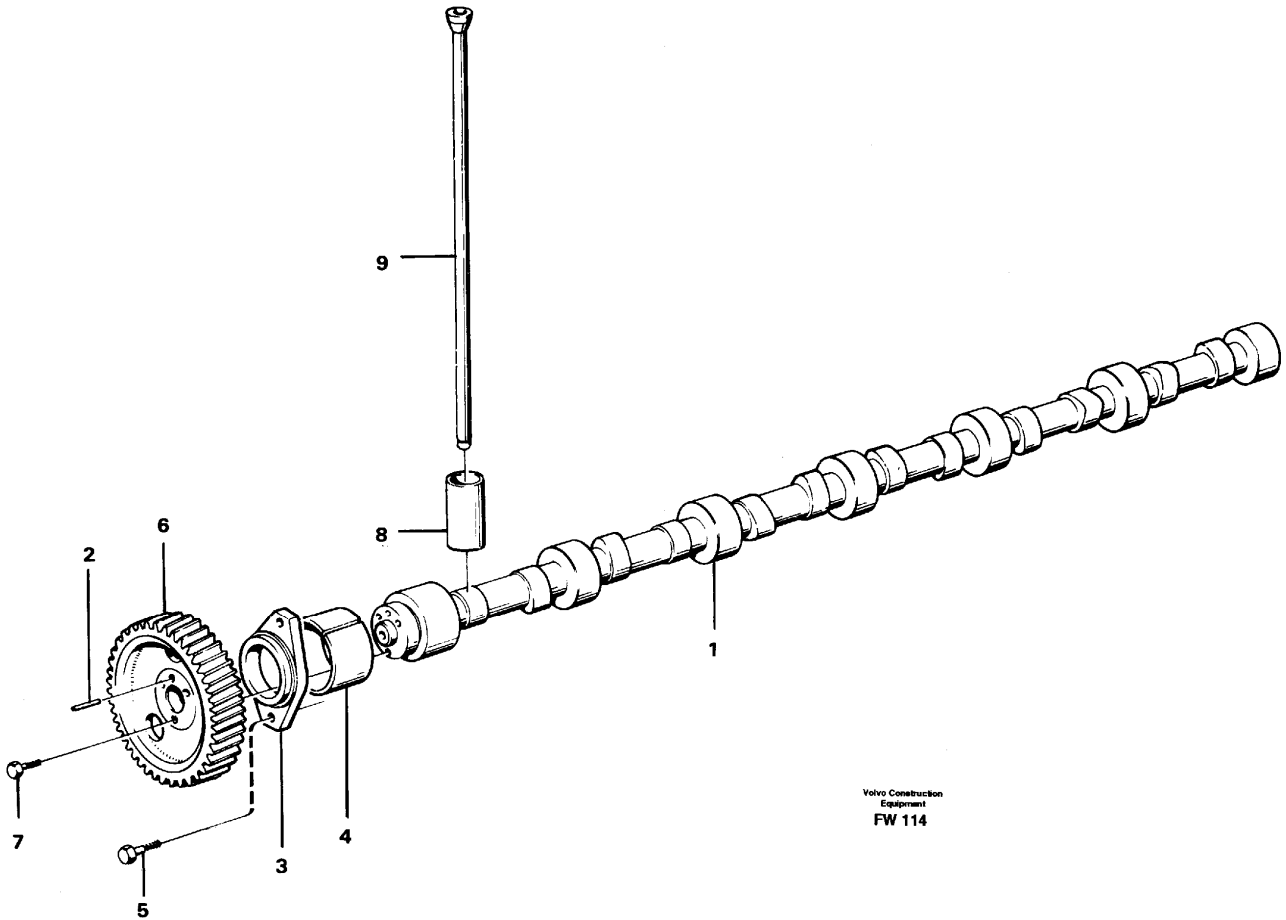


Volvo Construction  
Equipment Group  
FW 113A

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE471505	1							Tmg Gear Casing		
2	VOE13941510	1							Pin		(VOE941510)
3	VOE13941511	1							Pin		(VOE941511)
4	VOE1161277	REQ							Sealant		20 g
5	VOE471534	2							Screw		L = 28MM
	VOE471535	2							Screw		L = 58MM
6	VOE8192590	1							Tmg Gear Cover		
7	VOE477118	1							•Sealing ring		
8	VOE13947760	2							Flange screw		L = 40MM
	VOE13948217	2							Flange screw		L = 45MM
	VOE13965179	3							Flange screw		L = 50MM
	VOE13965216	1							Screw		L = 55MM
	VOE13965182	7							Flange screw		L = 80MM

	VOE13965180	2							Flange screw		L = 60MM
9	VOE471559	1							Cap		
10	VOE925257	1						K	O-ring		
11	VOE13945444	3							Flange screw		(VOE945444)
12	VOE13941907	3							Spring Washer		(VOE941907)
13		1							Gear		Crankshaft gear See ref 216/100
14	VOE478297	1							Gear		
15	VOE471555	3							Screw		
16		1							Gear		(VOE470764) See ref 236/150
17	VOE478951	2							Thrust Washer		
18	VOE478954	1							Bearing Shield		
19	VOE8192578	1							Idler Gear		
19A	VOE479687	1							•Bushing		
20	VOE8192636	1							Bearing spindle		(VOE479779)
21	VOE8192579	3							Screw		
22	VOE942180	3							Disc Spring		
23		1							Oilpump gear		See ref 221/150
24		1							Pump drive gear		See ref 914/50
25	VOE11030981	1							Cap		
26	VOE925094	1							O-ring		(VOE465058)
27	VOE13965187	1							Flange screw		M10 x 60MM
	VOE946441	1							Flange screw		M10 x 20MM
28	VOE955895	2							Washer		
29	VOE13960632	1							Plug		
30	VOE13947624	1							Plane Gasket		

Date: <b>2013/10/2</b>	Image id: <b>FW114</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>215/150</b>	Title: <b>Camshaft</b>

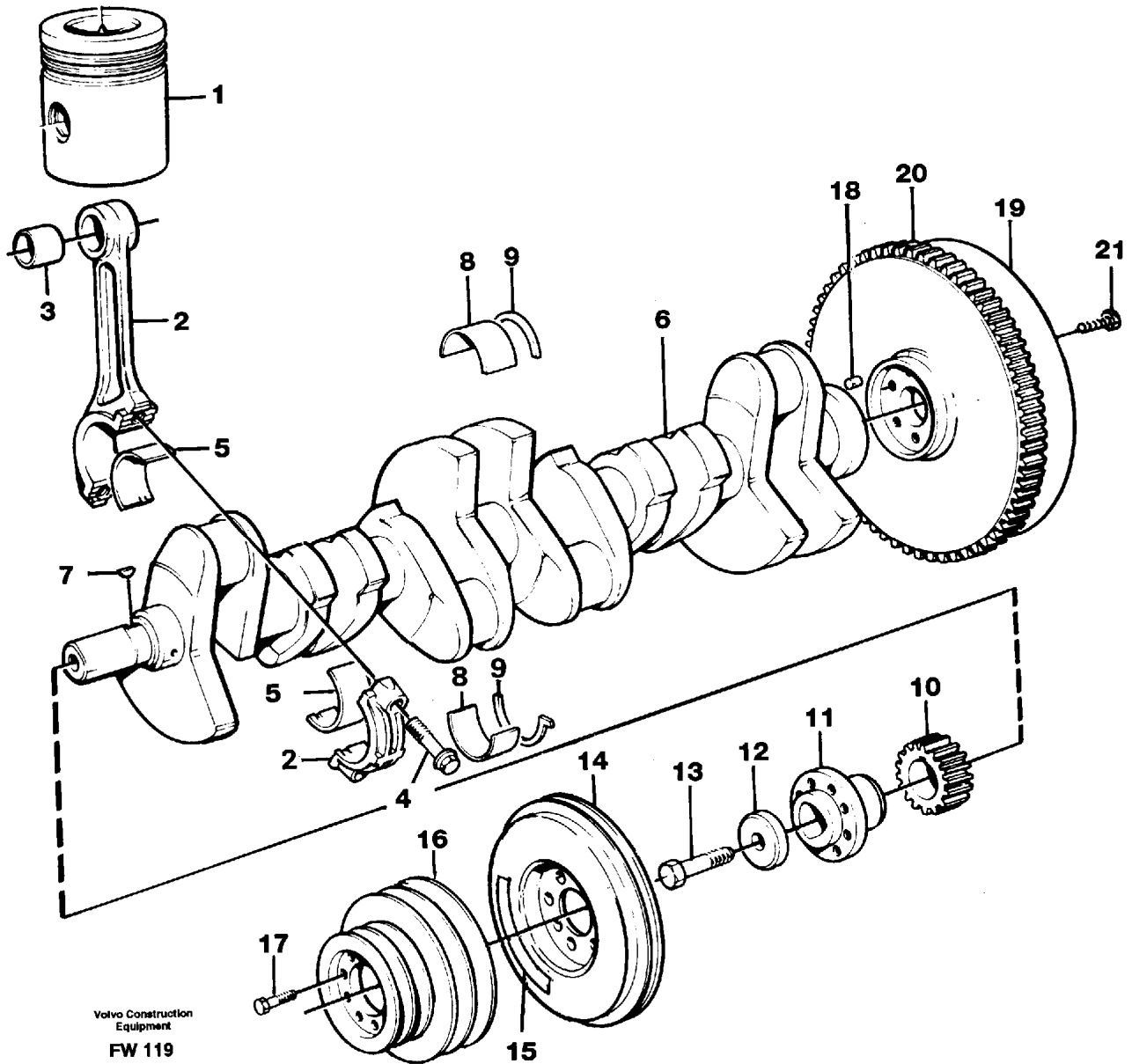


Volvo Construction  
Equipment  
FW 114

Q1-Q5	Option	Option description	
Q1 477459			
Q2 8192784			

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE477459	1							Camshaft		ENG - 97292
	VOE8192784		1						Camshaft		ENG 97293 -
2	VOE950588	1	1						•Pin		
3	VOE465789	1							Flange		
4		7	7						Bushing		See ref 212/100
5	VOE471509	2	2						Screw		
6		1	1						Camshaft gear		See ref 215/100
7		3	3						Screw		See ref 215/100
8	VOE11030953	12	12						Tappet		
9	VOE421385	12							Push rod		ENG - 97292
	VOE8192698		12						Push rod		ENG 97293 -

Date: <b>2013/10/2</b>	Image id: <b>FW119</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>216/100</b>	Title: <b>Crankshaft and related parts</b>

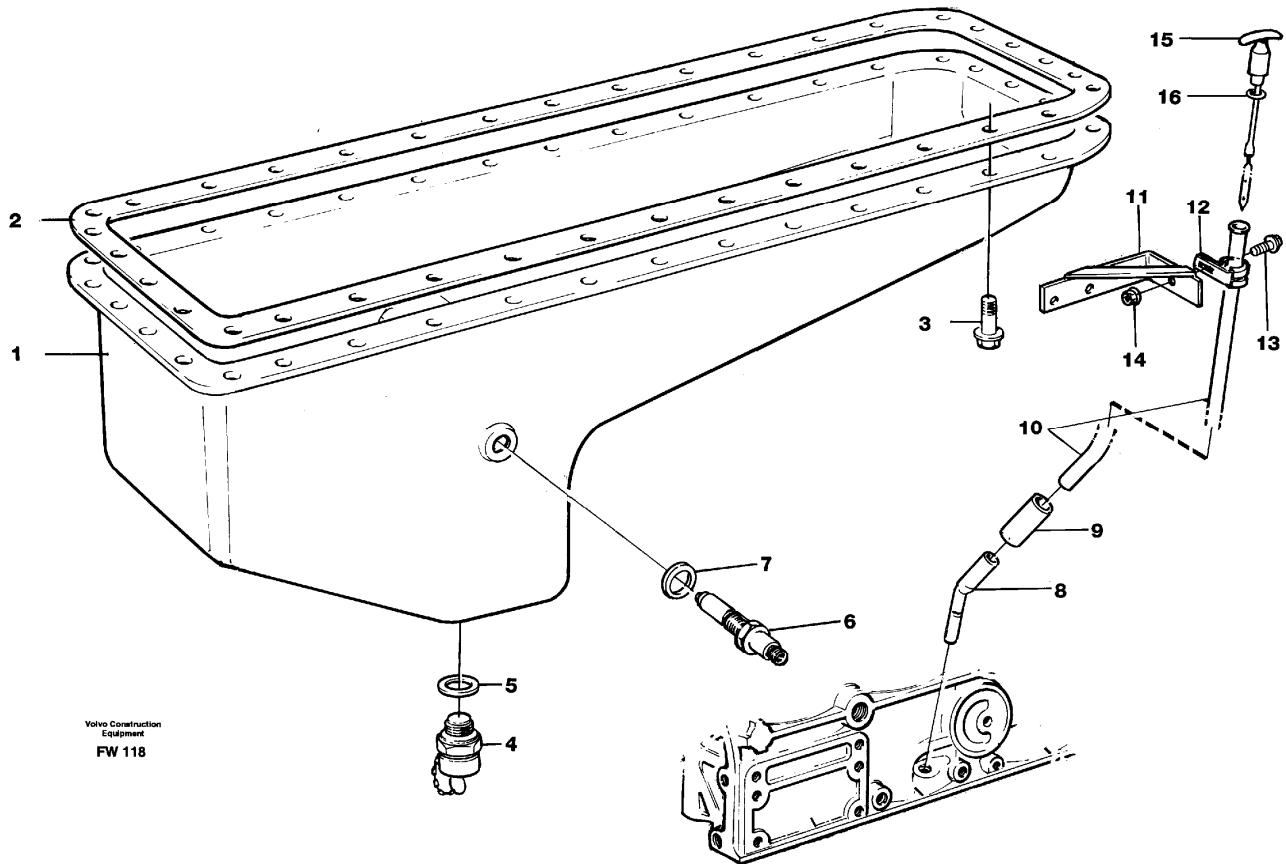


Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		6							Cylinder liner kit		See ref 213/100
2	VOE471523	6							Connecting rod		
3	VOE471364	1							•Bushing		
4	VOE465815	2							•Screw		
5	VOE270115	6							Big End Brg Kit		STD
	VOE270116	6							Big End Brg Kit		0,25 MM, U SZ
	VOE270117	6							Big End Brg Kit		0,50 MM, U SZ





Date: <b>2013/10/2</b>	Image id: <b>FW118</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>217/100</b>	Title: <b>Oil sump</b>



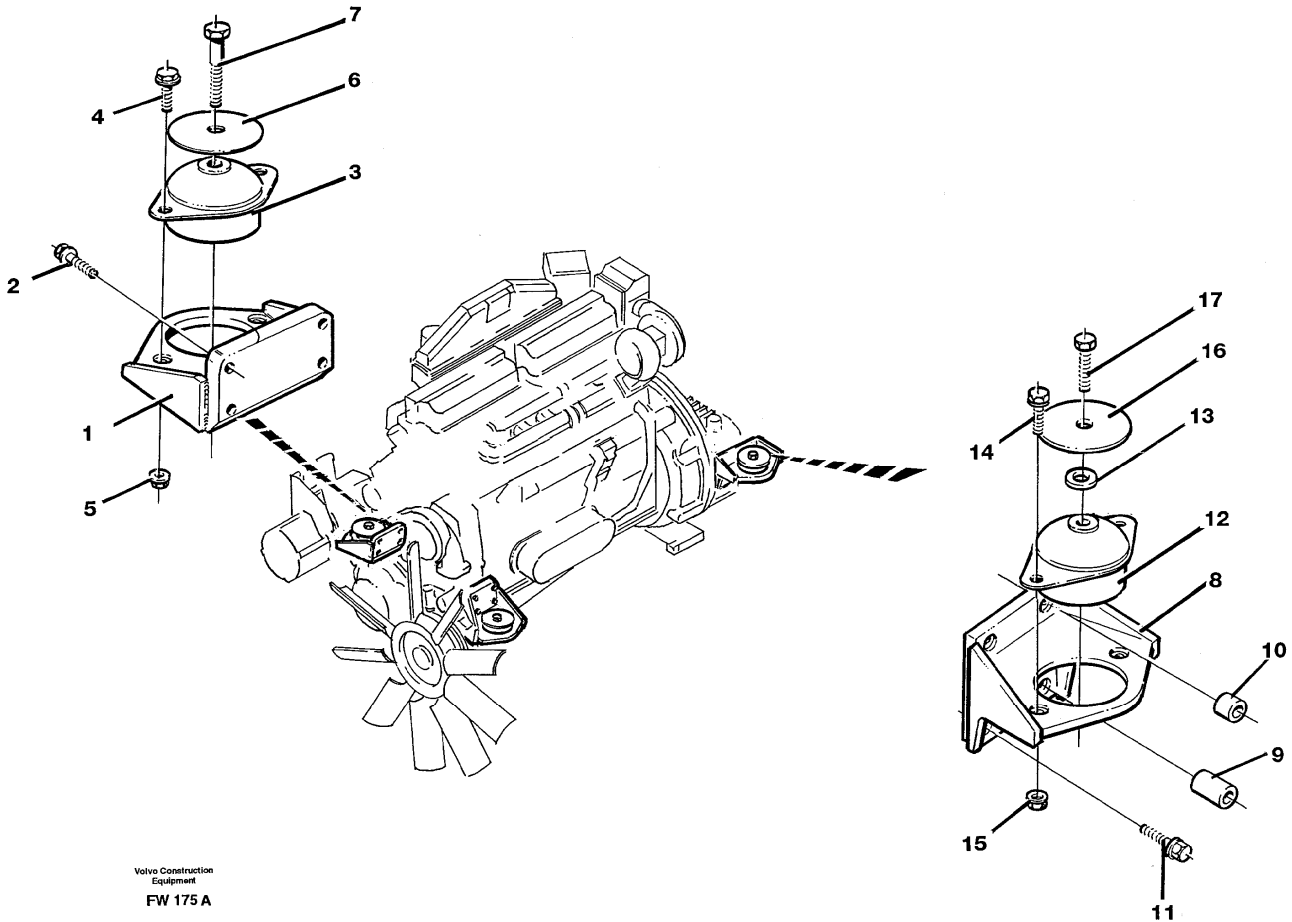
Volvo Construction  
Equipment  
FW 118

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11030184	1					OP		Oil pan		
2	VOE11030779	1							Gasket		
3	VOE946440	36							Flange screw		
4	VOE11054692	1							Valve		
5	VOE949329	1							Gasket		
6	VOE14263367	1							Level guard		B41
7	VOE14042936	1							Sealing washer		(VOE944496)
8	VOE11032727	1							Pipe		
9	VOE8149606	1							Rubber hose		
10	VOE11032720	1							Pipe		
11	VOE11032716	1							Attachment		
12	VOE952629	1							Clamp		
13	VOE13946544	1							Screw		
14	VOE13945407	1							Nut		
15	VOE11032721	1							Dipstick		





Date: <b>2013/10/2</b>	Image id: <b>FW175A</b>	Catalogue: <b>99523</b>	Model: <b>EC280</b>
Brand: <b>Volvo</b>	Serial: <b>1001-9999</b>	Group/Section: <b>218/100</b>	Title: <b>Engine mounting</b>



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE14344516	2							Engine Mounting		
2	VOE14310054	8							Flg Lock Screw		
3	VOE14343575	2							Rubber cushion		
4	VOE975110	4							Flange screw		
5	VOE969317	4							Flange Lock Nut		
6	VOE14342464	2							Washer		
7	VOE14310030	2							Lock Screw		
8	VOE14344774	2							Engine Mounting		(VOE14344517)
9	VOE14344714	2							Spacer		
10	VOE14344713	6							Spacer		
11	VOE14310089	8							Flg Lock Screw		
12	VOE14343577	2							Rubber cushion		
13	VOE14343831	REQ							Washer		
14	VOE975110	4							Flange screw		

15	VOE969317	4							Flange Lock Nut		
16	VOE14342464	2							Washer		
17	VOE14310030	2							Lock Screw		

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