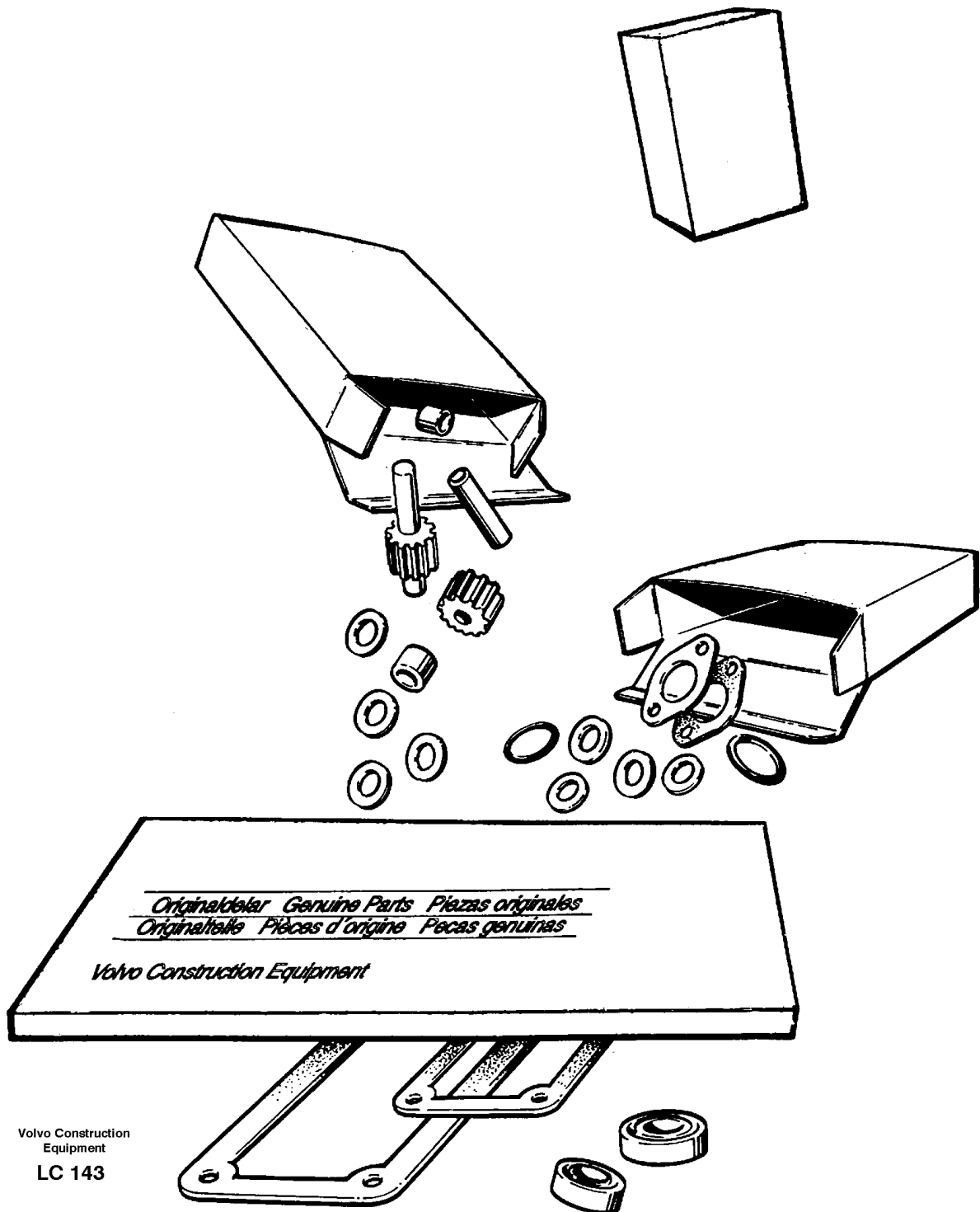


Date: 2013/9/29	Image id: LC143	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 210/100	Title: Repair kits for engine



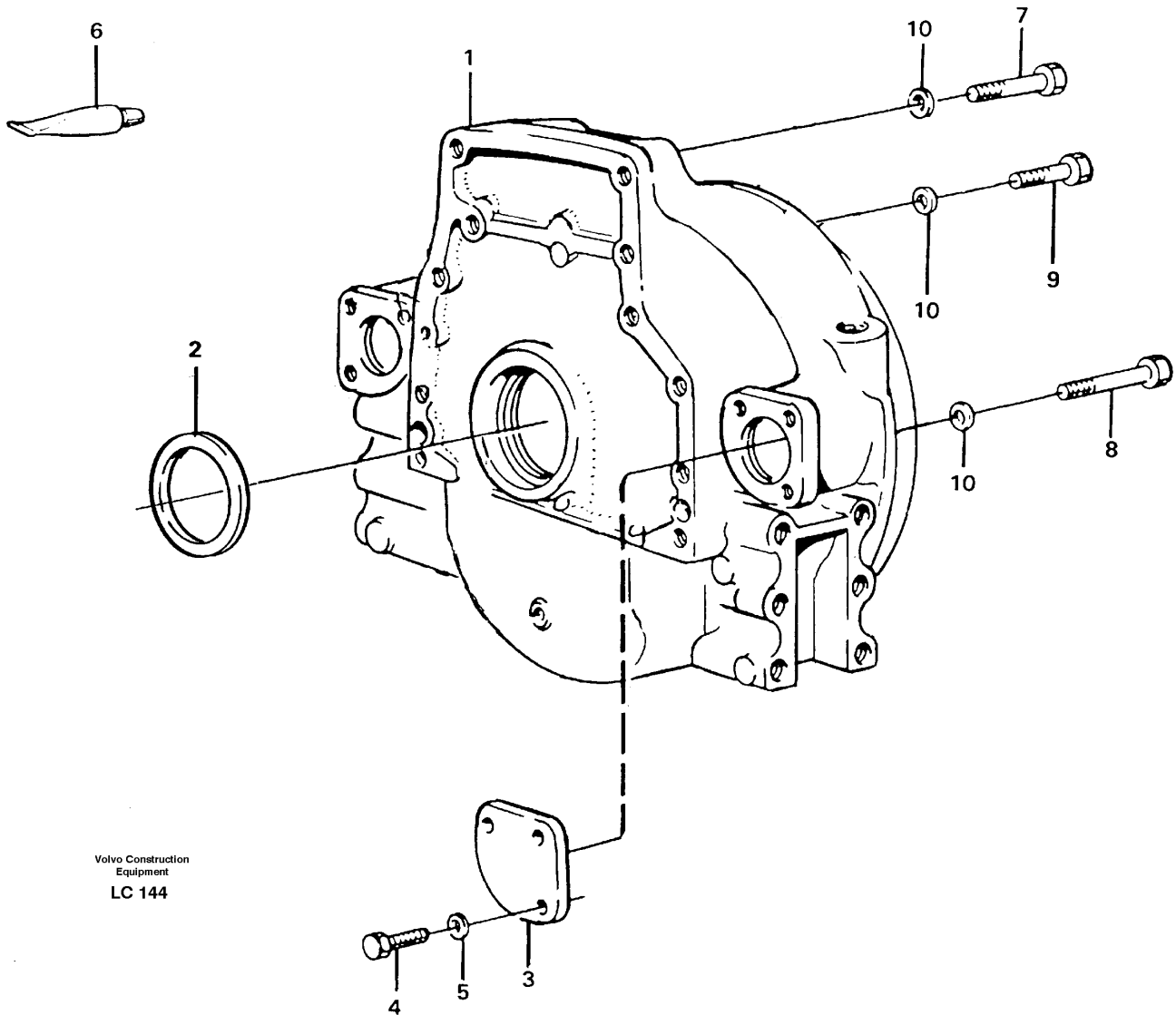
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
		6							Gasket kit		

									•for cylinder head		See ref 211/100
		6							Repair kit		
									•for cylinder head		See ref 211/100
		6							Cylinder liner kit		See ref 213/100
		6							Piston ring kit		See ref 213/100
		6							Big end bearing kit		See ref 216/100
		7							Mn bearing kit		See ref 216/100
		1							Thrust washer kit		See ref 216/100
VOE275554		1							Gasket kit		
									•Hydr fluid tank		
VOE423281		6							•Sealing ring		
VOE424692		6							•Gasket		
VOE942580		12							•Gasket		
		1							Cool pump kit		See ref 262/150
VOE11990269		1							Gasket kit		
									for major overhaul		
									supplementary		
VOE420641		1							•Gasket		
VOE423352		1							•Gasket		
VOE424621		1							•Gasket		
VOE424692		6							•Gasket		
VOE469327		12							•Gasket		(VOE468461)
VOE469486		5							•Gasket		
VOE469823		3							•Gasket		
VOE1275379		2							•Gasket		(VOE940096)
VOE942580		12							•Gasket		
VOE942703		2							•Gasket		
VOE947620		19							•Gasket		
VOE11700303		2							•Seal		(VOE7011998)
VOE7018666		1							•Gasket		
VOE11031523		1							•Gasket		
VOE13947281		13							•Gasket		
VOE13947282		3							•Gasket		
VOE13969011		19							•Gasket		
VOE13947627		1							•Plane gasket		(VOE947627)
VOE949329		1							•Gasket		

VOE13947621	2								•Plane gasket		
VOE13947622	1								•Plane gasket		
VOE13947624	2								•Plane gasket		
VOE13947625	1								•Plane gasket		
VOE423057	4								•Sealing ring		
VOE423123	1								•Sealing ring		
VOE423281	6								•Sealing ring		
VOE424580	1								•Sealing		
VOE424983	1								•Sealing ring		
VOE466405	6								•Sealing ring		
VOE468094	1								•Sealing ring		
VOE20441697	2								•Sealing		(VOE469336)
VOE469455	6								•Sealing ring		
VOE469477	1								•Sealing ring		
VOE469483	2								•Sealing ring		
VOE469846	1								•Sealing ring		
VOE470323	12								•Sealing ring		
VOE470383	4								•Sealing ring		
VOE470527	2								•Sealing ring		
VOE471856	7								•Sealing ring		
VOE1542781	1								•Sealing ring		
VOE1542783	1								•Sealing ring		
VOE1544710	2								•Sealing ring		
VOE11000236	2								•Sealing ring		
VOE925059	1								•O-ring		
VOE925064	1								•O-ring		
VOE925257	1								•O-ring		
VOE944126	4								•O-ring		
VOE949658	1								•O-ring		
VOE949659	2								•O-ring		
VOE1664473	2								•O-ring		
VOE13943943	1								•O-ring		
VOE13949656	1								•O-ring		
VOE13949657	1								•O-ring		
VOE13975610	1								•O-ring		
VOE466420	6								•Ring		
VOE941666	1								•Sealing ring		
VOE11999353	1								Overhaul kit		Step 1 / steg 1
VOE270949	6								•Gasket kit		
VOE275554	1								•Gasket kit		
VOE8149182	1								•Thermostat		(VOE1676306)82 DEG
VOE469662	1								•Gasket		
VOE479107	6								•Gasket		ENGINE NUMBER -234803
VOE479107	6								•Gasket		(VOE479107)ENGINE NUMBER 234804-

	VOE470939	1							•Gasket		
	VOE1544710	1							•Sealing ring		
	VOE11000236	1							•Sealing ring		
	VOE469830	6							•Rubber ring		
	VOE11990749	1							Overhaul kit		Step 1 supplement / steg 1 tillägg
	VOE423011	6							•Valve seat		
	VOE468448	6							•Valve seat		
	VOE468302	6							•Valve		
	VOE468303	6							•Valve		
	VOE422320	6							•Valve guide		
	VOE1545135	6							•Guide		
	VOE273983	6							•Repair kit		
	VOE11999357	1							Overhaul kit		Step 2 / steg 2
	VOE270130	6							•Big End Brg Kit		
	VOE275634	6							•Cylinder liner kit		
	VOE1545479	12							•Screw		
	VOE11031523	1							•Gasket		
	VOE11999347	1							Overhaul kit		Step 3 / steg 3
	VOE11990269	1							•Gasket kit		
	VOE11990749	1							•Overhaul kit		
	VOE270449	7							•Main bearing kit		
	VOE3093651	1							•Thrust washer kit		(VOE276791)
	VOE478074	12							•Valve cap		

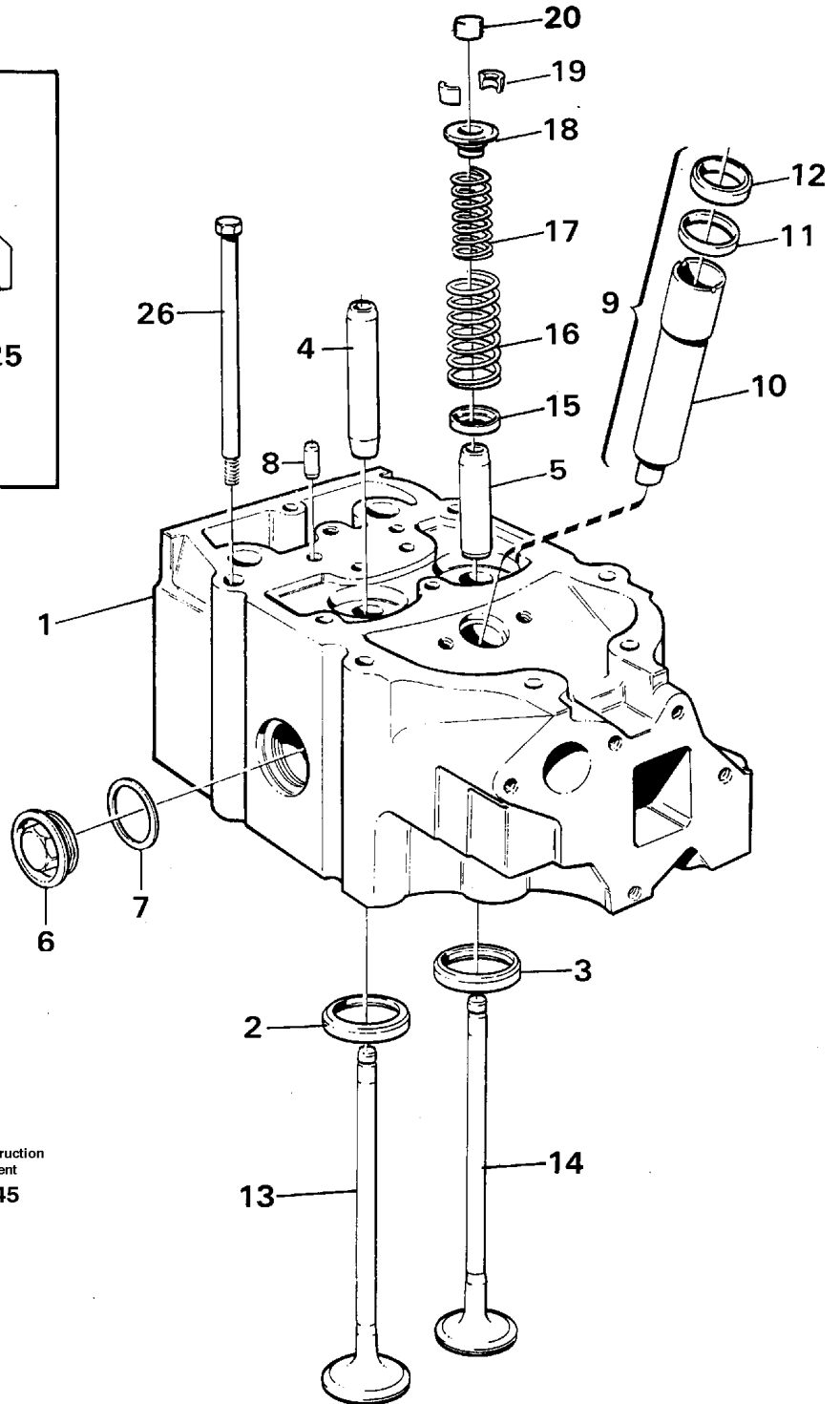
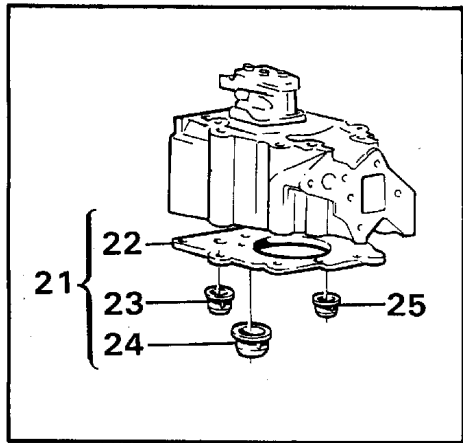
Date: 2013/9/29	Image id: LC144	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 210/200	Title: Flywheel housing



Volvo Construction
Equipment
LC 144

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11701057	1					OP		Casing		
2	VOE3825164	1					SS		•Sealing ring		
3	VOE423081	1							•Seal Flange		
4	VOE13940114	3							•Screw		
5	VOE13942336	3							•Spring Washer		
6	VOE11713514	REQ							Sealant		(VOE1161231)
7	VOE955582	2							Hexagon screw		
8	VOE955587	2							Screw		
9	VOE955580	8							Hexagon screw		
10	VOE941911	12							Spring Washer		

Date: 2013/9/29	Image id: LC145	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 211/100	Title: Cylinder head.

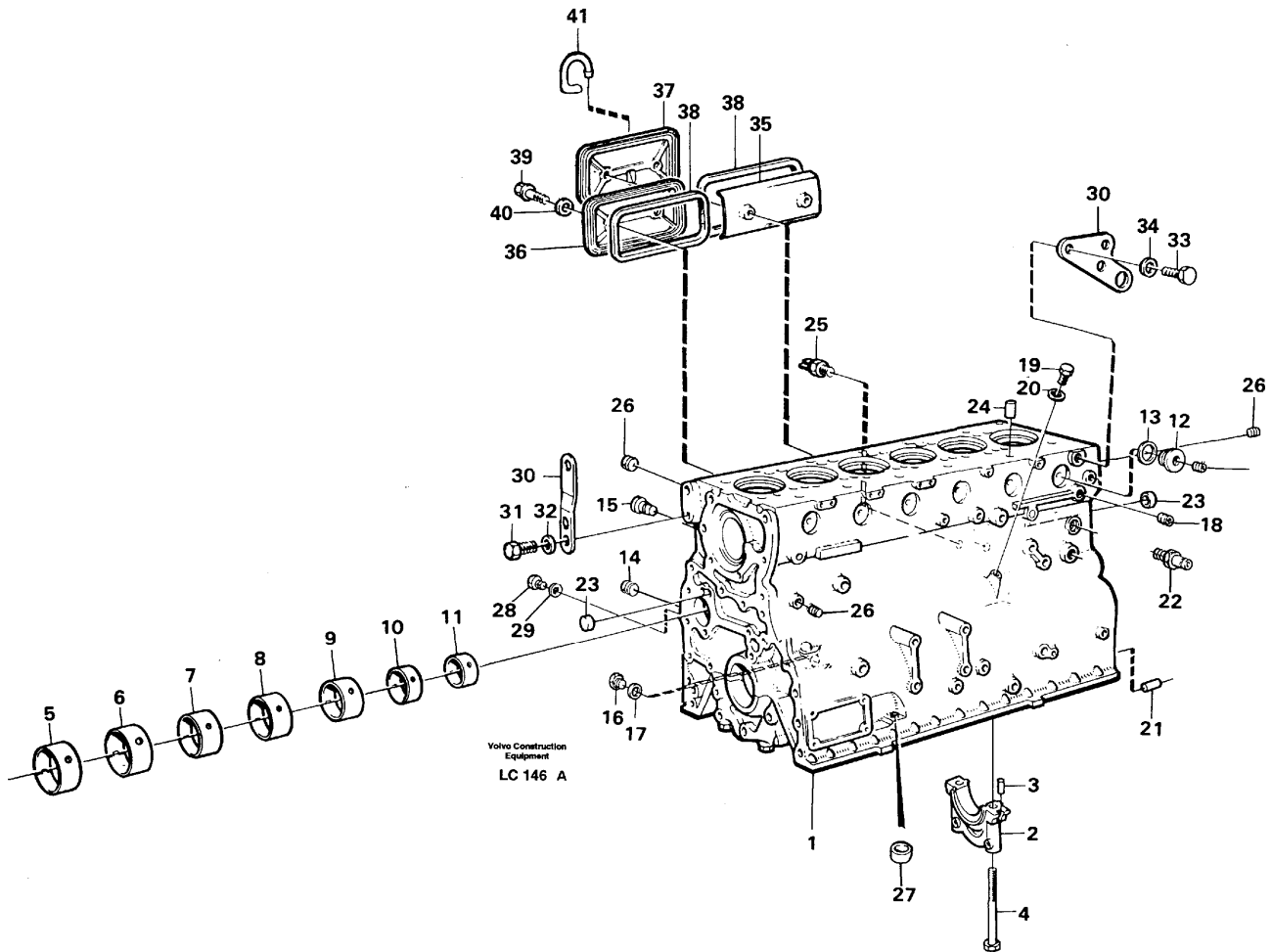


Volvo Construction
Equipment
LC 145

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE479952	6							Cylinder head		

1	VOE479942	6					NS		•Cylinder head		
2	VOE423011	6							••Valve seat		STD D
	VOE423208	6							••Valve seat		0.2 MM O SZ
3	VOE468448	6							••Valve seat		STD D
	VOE468449	6							••Valve seat		0.2 MM O SZ
4	VOE422320	6							••Valve Guide		
5	VOE1545135	6							••Valve Guide		
6	VOE467365	12							••Plug		(467714)
7	VOE469327	12							••Gasket		(VOE468461)
8	VOE14025455	12							••Cylinder Pin		
9	VOE273983	6							••Repair Kit		
10	VOE470247	6							•••Sleeve		
11	VOE466405	6							•••Sealing ring		
12	VOE466420	6							•••Ring		
13	VOE468302	6							•Valve		INLET
14	VOE468303	6							•Valve		OUTLET
15	VOE468065	12							•Washer		
16	VOE468067	12							•Spring		
17	VOE468066	12							•Spring		
18	VOE468304	12							•Washer		
19	VOE468305	24							•Valve Collet		
20	VOE478074	12							•Valve Cap		
21	VOE270949	6							Gasket Kit		
22	VOE470837	6					NS		•Gasket		
23	VOE422415	12							•Sealing ring		
24	VOE423326	12							•Sealing ring		
25	VOE422413	6							•Sealing ring		
26	VOE470261	48							Screw		

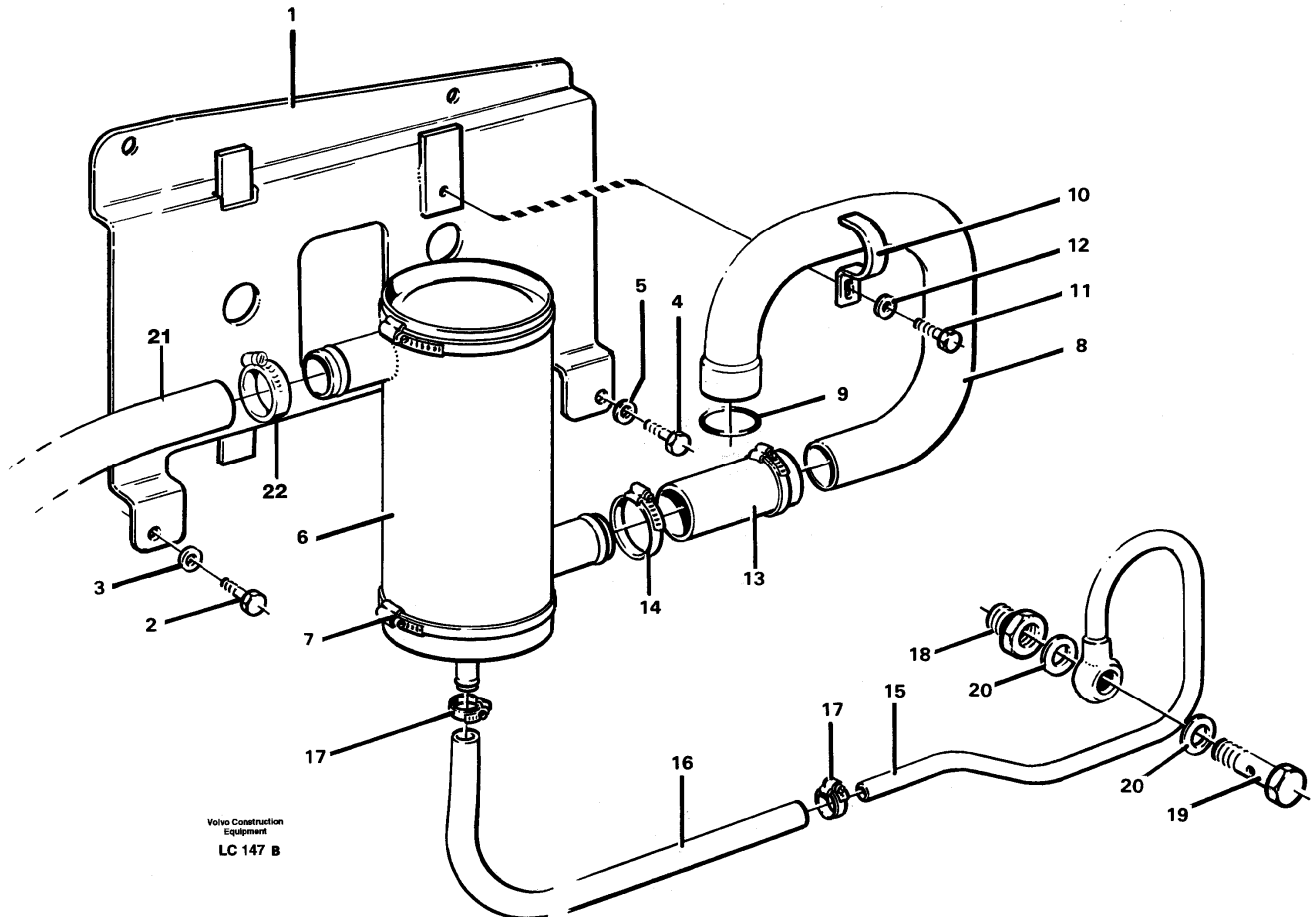
Date: 2013/9/29	Image id: LC146A	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 212/100	Title: Cylinder block



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE478992	1							Cylinder block		
2		7					NS		•Cap		
3	VOE422426	1							•Pin		
4	VOE423444	14							•Screw		
5	VOE422076	1							•Bushing		
6	VOE422077	1							•Bushing		
7	VOE422078	1							•Bushing		
8	VOE11000014	1							•Bushing		
9	VOE422080	1							•Bushing		
10	VOE422081	1							•Bushing		
11	VOE422082	1							•Bushing		
12	VOE467367	6							•Plug		
13	VOE1556907	6							•Gasket		(VOE469328)

14	VOE13942734	1							•Plug		
15	VOE422369	7							•Plug		
16	VOE7016318	1							•Plug		
17	VOE13947281	1							•Gasket		
18	VOE479977	1							•Plug		(VOE952077)
19	VOE13961892	1							•Plug		
20	VOE13969011	1							•Gasket		
21	VOE191171	2							Pin		(VOE7191171)
22	VOE13946121	1							Nipple		
23	VOE13955083	3							Cap plug		(VOE955083)
24	VOE14025455	12							Cylinder Pin		(VOE950543)
25	VOE863169	1							Pressure monitor		
26	VOE479977	5							Plug		
27	VOE955082	2							Cap plug		
28	VOE13948187	1							Plug		
29	VOE13947625	1							Plane gasket		
30		4					NS		Lifting eye		
31	VOE955562	2							Hexagon screw		
32	VOE940280	2							Spring washer		
	VOE11033827	2							Bushing		
33	VOE13960783	2							Screw		
	VOE955591	2							Hexagon screw		
34	VOE941912	4							Spring washer		
35	VOE422542	1							Splash plate		
36	VOE423120	2							Hatch		
37	VOE423121	1							Hatch		
38	VOE469823	3							Gasket		
39	VOE422541	6							Screw		
40	VOE471856	6							Sealing ring		
41		1							Breather pipe		See ref 212/150

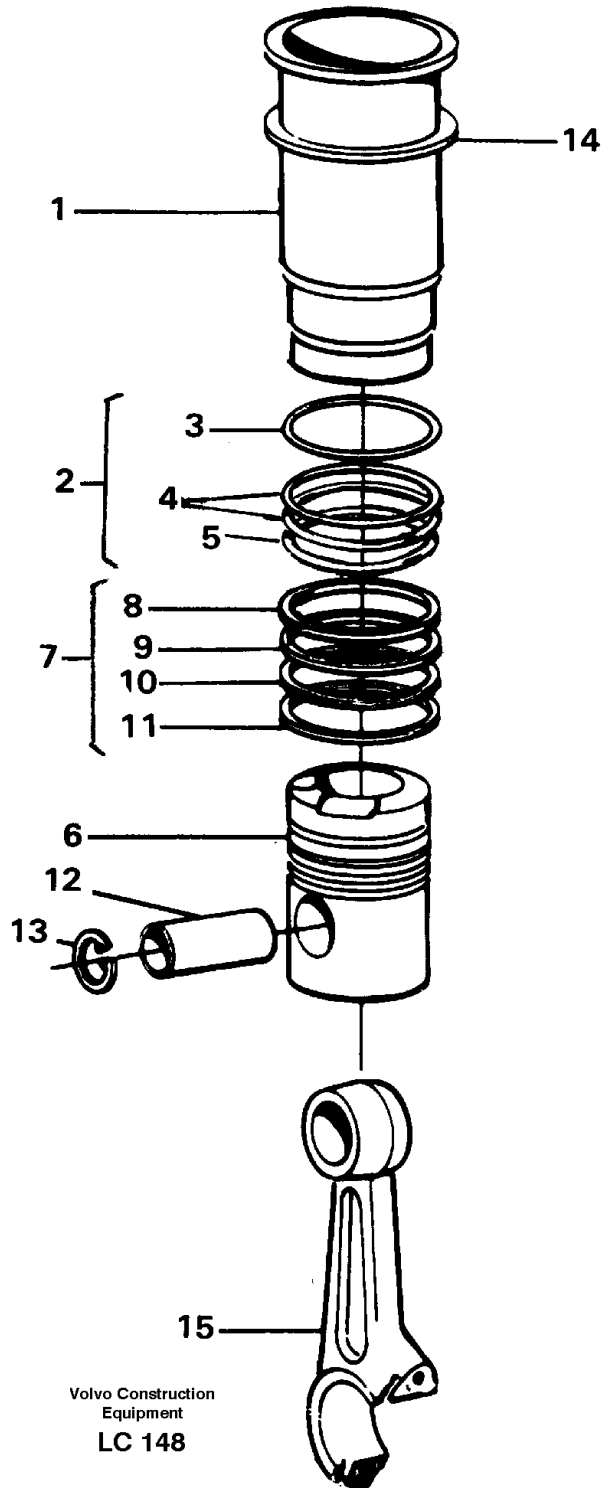
Date: 2013/9/29	Image id: LC147B	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 212/150	Title: Crankcase ventilation



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11031926	1							Bracket		
2	VOE955560	2							Hexagon screw		
3	VOE940280	2							Spring washer		
4	VOE13940133	2							Screw		
5	VOE13942336	2							Spring washer		
6	VOE11033878	1							Oil trap		
7	VOE943483	2							Hose clamp		
8	VOE11031929	1							Tube		
9	VOE421158	1							Sealing ring		
10	VOE11031935	1							Clamp		
11	VOE940199	1							Hexagon screw		
12	VOE13955894	1							Washer		
13	VOE11031305	1							Hose		(VOE11031930)
14	VOE943476	2							Hose clamp		
15	VOE11031940	1							Pipe		(VOE11031932)

16	VOE983342	REQ							Hose		(VOE977316)L 500MM	=
17	VOE943470	2							Hose clamp			
18	VOE11031931	1							Reduction nipple			
19	VOE7025167	1							Hollow screw			
20	VOE976929	2							Gasket			
21	VOE14046732	REQ							Hose		L = 550MM	
22	VOE943476	2							Hose clamp			

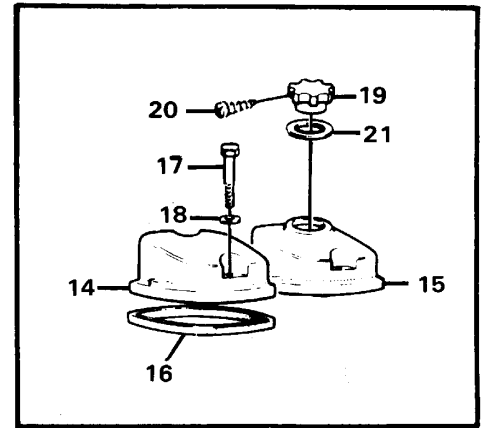
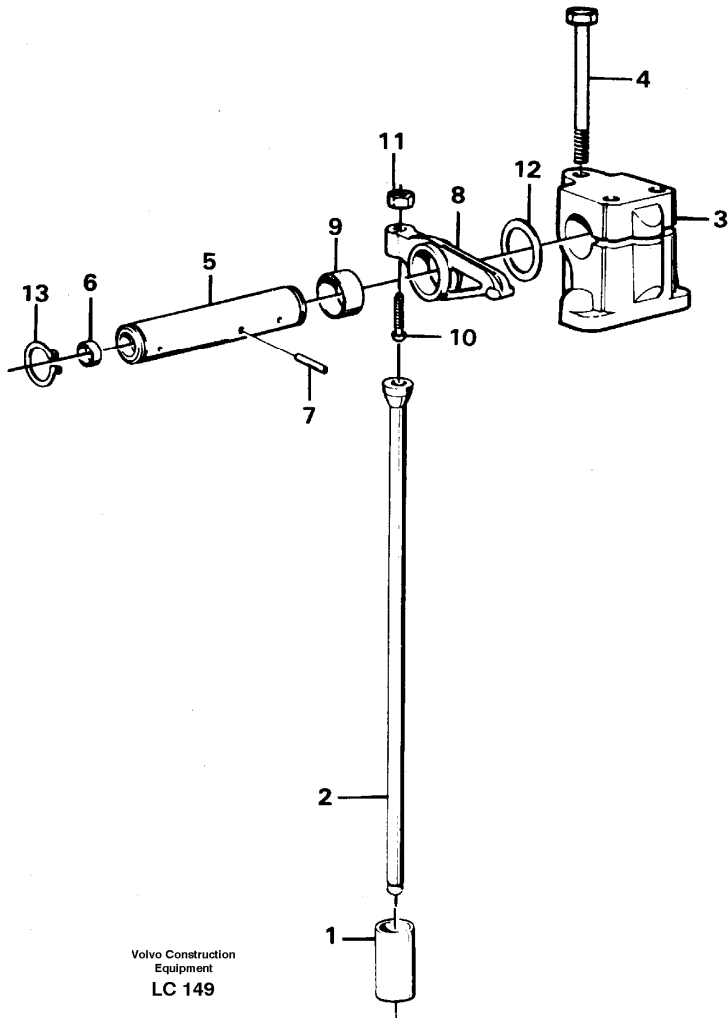
Date: 2013/9/29	Image id: LC148	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 213/100	Title: Cylinder liner



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE275634	6							Cylinder liner kit		

1	VOE478140	6					NS		•Cylinder liner		
2	VOE270950	6							•Sealing Kit		
3	VOE470922	6							••Seal Ring		
4	VOE470190	12					NS		••Sealing ring		
5	VOE424833	6					SE		••Sealing ring		
	VOE478150	6					NS		•Piston		
7	VOE270603	6							•Piston Ring Kit		
8	VOE470855	6					NS		••Compress. ring, upper		
9	VOE468033	6					NS		••Oil ring		
10	VOE478036	6					NS		••Compress. ring, lower		
11	VOE468587	6					NS		••Expanding- / oil ring		
12	VOE479875	6					NS		•Piston Pin		ENG NO -243268
	VOE8193837	6							•Piston Pin		ENG NO 243269-
13	VOE423124	12							•Lock Ring		
14	VOE468271	REQ							Shim		THICK = 0,2MM
	VOE468272	REQ							Shim		THICK = 0,3MM
	VOE468273	REQ							Shim		THICK = 0,5MM
15		1							Connecting rod		See ref 216/100

Date: 2013/9/29	Image id: LC149	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 214/100	Title: Valve mechanism

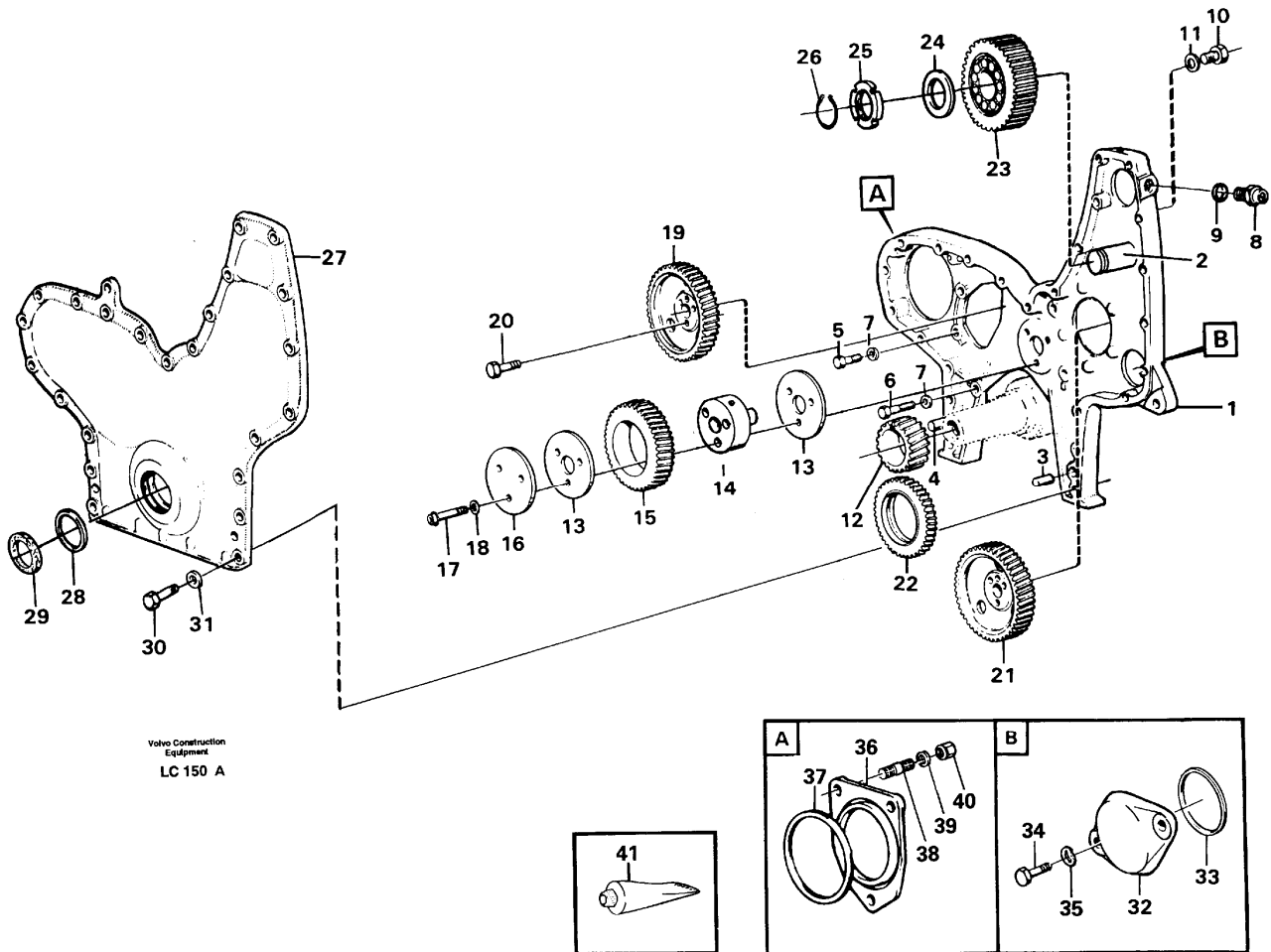


Volvo Construction
Equipment
LC 149

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE479863	12							Tappet		
2	VOE423021	12							Push rod		(VOE423021)ENG - 249991
	VOE423021	12							Push rod		(VOE8121478)ENG 249992 - 252856
	VOE423021	12							Push rod		ENG 252857 -
3	VOE423266	6							Bearing Bracket		
4	VOE423331	18							Screw		
5	VOE423267	6							Shaft		
6	VOE946778	12							•Cap plug		
7	VOE950499	6							•Pin		
8	VOE423263	12							Rocker arm		

9	VOE422066	12							•Bushing		
10	VOE422993	12							•Bolt		
11	VOE940175	12							•Nut		
12	VOE423269	12							Washer		
13	VOE914459	12							Retaining ring		
14	VOE423403	5							Cover		
15	VOE423404	1							Cover		
16	VOE424692	6							Gasket		
17	VOE13955527	12							Screw		(955527)
18	VOE942580	12							Gasket		
19	VOE421753	1							Filler cap		
20	VOE955126	3							•Cross recessed screw		
21	VOE1275379	1							Gasket		(VOE940096)

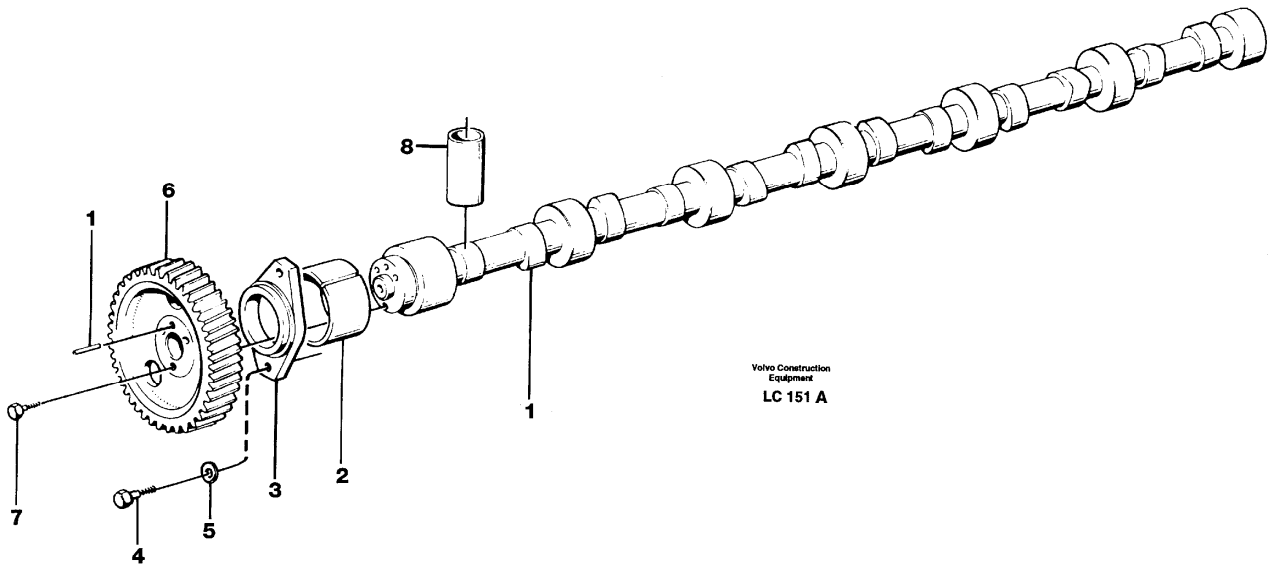
Date: 2013/9/29	Image id: LC150A	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 215/100	Title: Timing gear casing and gears



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE479666	1					SS		Tmg Gear Casing		
	VOE8194639	1							Tmg Gear Casing		
	VOE478857	1					NS		•Timing gear casing		
2	VOE470219	1					SS		•Pin		
	VOE8194626	1							•Pin		
3	VOE13941510	1							•Pin		
4	VOE13941511	1							•Pin		
5	VOE13940159	4							Screw		L = 29MM
6	VOE13940159	1							Screw		
7	VOE14263367	1							Level Guard		
8	VOE862289	1							Eng Sp Sensor		
9	VOE925059	1							O-ring		
10	VOE7192114	1							Plug		7/8UNF

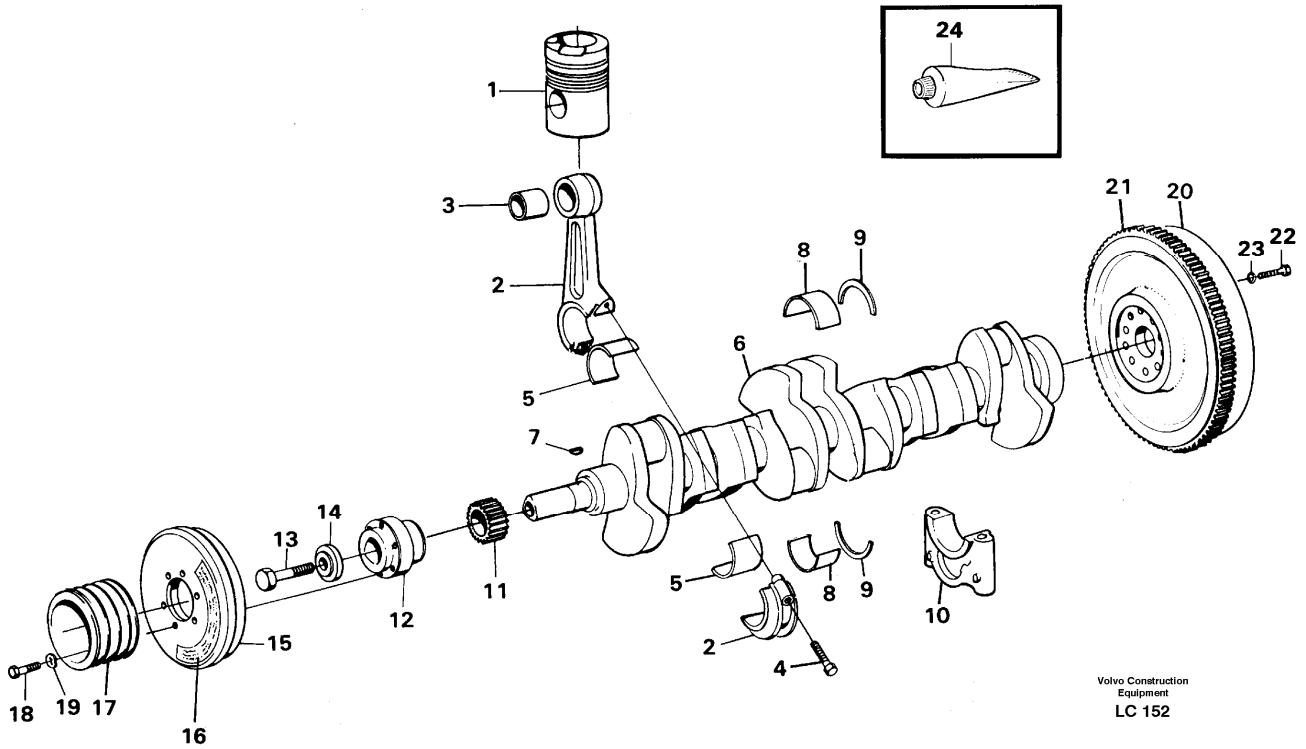
	VOE13960633	1							Plug		M20
11	VOE13947627	1							Plane Gasket		(VOE947627)
	VOE13947625	1							Plane Gasket		
12		1							Gear, crank shaft		See ref 216/100
13	VOE478951	2							Thrust Washer		(VOE467529)
14	VOE8192636	1							Bearing spindle		(VOE479779)
15	VOE479653	1							Idler Gear		
	VOE479687	1							•Bushing		
16	VOE478954	1							Bearing Shield		
17	VOE468738	3							Screw		
18	VOE942180	3							Disc Spring		
19	VOE478297	1							Gear		
20	VOE471555	3							Screw		
21		1							Gear, injection pump		See ref 236/200
22		1							Idle gear		See ref 221/100
23	VOE478959	1							Idler Gear		
	VOE478783	1							•Bearing		
	VOE914532	1							•Snap Ring		
24	VOE470427	1							Wear Ring		
25	VOE478955	1							Round Nut		
26	VOE914532	1							Snap Ring		
27	VOE11031091	1							Cover		
28	VOE424983	1							•Sealing ring		
29	VOE941666	1							•Felt Ring		
30	VOE13940162	8							Screw		L = 38MM
	VOE955540	2							Screw		L = 70MM
	VOE955542	10							Screw		L = 83MM
	VOE941939	4							Screw		
	VOE955537	2							Screw		L = 51MM
31	VOE13942336	22							Spring Washer		
32	VOE468093	1							Cover		
33	VOE468094	1							Sealing ring		
34	VOE955535	2							Hexagon screw		
35	VOE13942336	2							Spring Washer		
36	VOE420178	1							Cover		
37	VOE13975610	1							O-ring		
38	VOE953346	3							Stud		
39	VOE941911	3							Spring Washer		
40	VOE13955828	3							Nut		
41	VOE1161277	REQ							Sealant		20 G

Date: 2013/9/29	Image id: LC151A	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 215/150	Title: Camshaft



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE8193727	1							Camshaft		(VOE479620)ENGINE NUMBER -236653
	VOE950588	1							•Pin		
	VOE8193727	1							Camshaft		ENGINE NUMBER 236654-
	VOE950588	1							•Pin		
2		7							Bushing		See ref 212/100
3	VOE465789	1							Flange		(VOE469324)ENGINE NUMBER -235984
	VOE465789	1							Flange		ENGINE NUMBER 235985-
4	VOE13940115	2							Screw		
5	VOE13942336	2							Spring washer		
6		1							Camshaft gear		See ref 215/100
7		3							Screw		See ref 215/100
8		12							Tappet		See ref 214/100

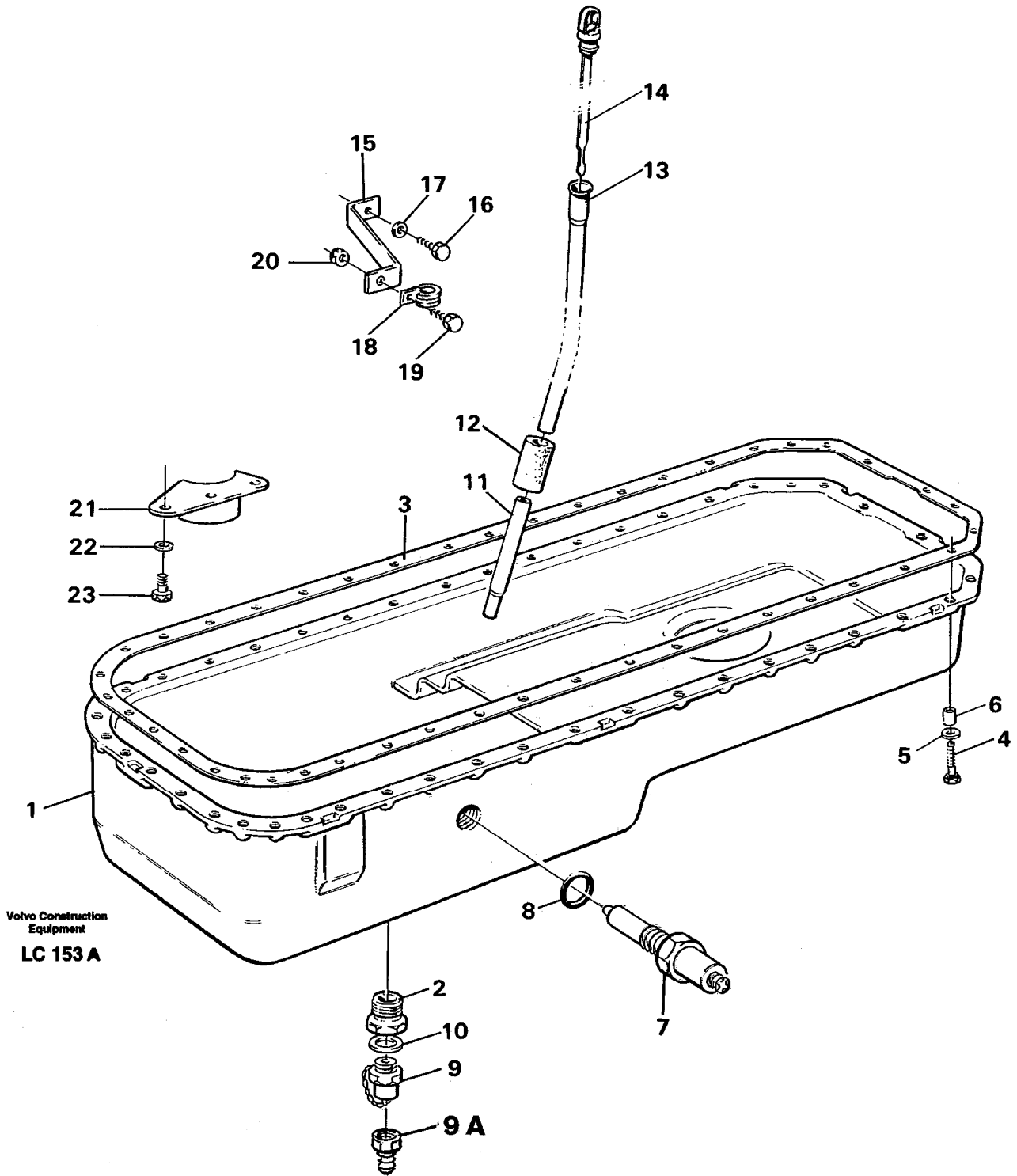
Date: 2013/9/29	Image id: LC152	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 216/100	Title: Crankshaft and related parts



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		6							Piston		
2	VOE470424	6							Connecting rod		
3	VOE470434	6							•Bushing		
4	VOE1545479	12							•Screw		
5	VOE270130	6							Big End Brg Kit		STD
	VOE270131	6							Big End Brg Kit		0.25 U SZ
	VOE270132	6							Big End Brg Kit		0.50 U SZ
	VOE270133	6							Big End Brg Kit		0.75 U SZ
	VOE270134	6							Big End Brg Kit		1,00 U SZ
	VOE270135	6							Big End Brg Kit		1.25 U SZ
6	VOE8125583	1							Crankshaft		(VOE478676)
7	VOE422253	1							•Key		
8	VOE270449	7							Main bearing kit		STD
	VOE270450	7							Main bearing kit		0.01" U SZ
	VOE270451	7							Main bearing kit		0.02" U SZ

	VOE270452	7						Main bearing kit		0.03" U SZ
	VOE270453	7						Main bearing kit		0.04" U SZ
	VOE270454	7						Main bearing kit		0.05" U SZ
9	VOE3093651	1						Thrust washer kit		(VOE276791)STD
	VOE3093652	1						Thrust washer kit		(VOE276792)0.1 O SZ
	VOE3093653	1						Thrust washer kit		(VOE276793)0.2 O SZ
10		7					NS	Cap		
11	VOE423080	1						Gear		
12	VOE478506	1					SS	Hub		
13	VOE941494	1						Screw		
14	VOE422124	1						Washer		
15	VOE422924	1						Vibration damper		
16	VOE467834	1						Sign		
17	VOE470281	1						Pulley		
18	VOE955553	6						Hexagon screw		
19	VOE13941909	6						Washer		
20	VOE864997	1					OP	Flywheel		
21	VOE420794	1						•Gear ring		
22	VOE941570	14						Screw		
23	VOE467773	14						Washer		
24	VOE1161277	REQ						Sealant		20 G

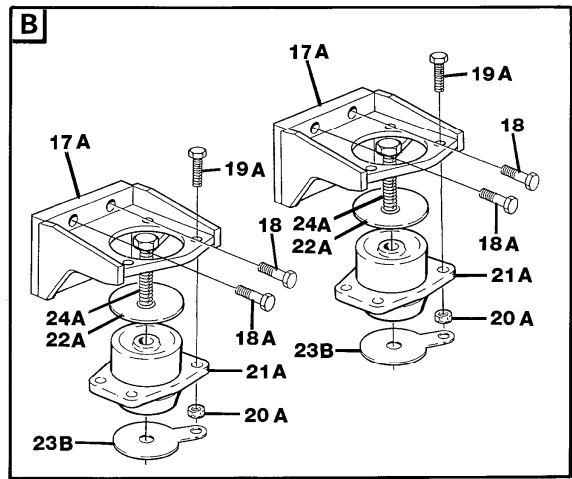
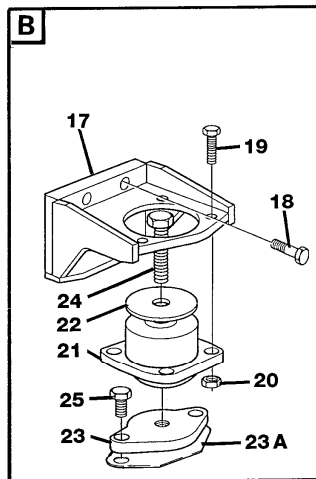
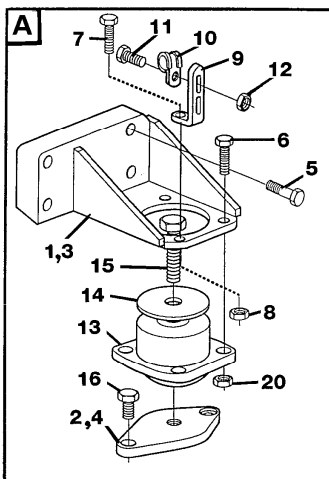
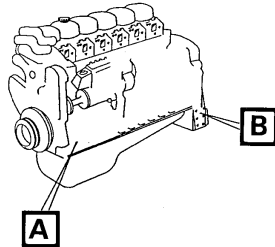
Date: 2013/9/29	Image id: LC153A	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 217/100	Title: Oil sump



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11031870	1							Oil pan		

2	VOE4771546	1							•Nipple		
3	VOE11031523	1							Gasket		
4	VOE13955527	27							Screw		
5	VOE13941907	27							Washer		
6	VOE930434	27							Spacer ring		
7	VOE14263367	1							Level guard		
8	VOE957180	1							Gasket		
9	VOE11054692	1							Valve		
9A	VOE11054659	1							Connector		
10	VOE949329	1							Gasket		
11	VOE1675989	1							Tube		
12	VOE8149606	1							Rubber hose		(VOE8149244)
13	VOE11031919	1							Tube		ENGINE NUMBER -235071
	VOE11031970	1							Tube		ENGINE NUMBER 235072-
14	VOE11032092	1							Oil dipstick		
15	VOE11031925	1							Bracket		
16	VOE940100	1							Hexagon screw		
17	VOE13941906	1							Washer		
18	VOE13949747	1							Clamp		
19	VOE946440	1							Flange screw		
20	VOE13945408	1							Nut		
21	VOE479796	1							Bracket		
22	VOE940161	3							Hexagon screw		
23	VOE13941907	3							Washer		

Date: 2013/9/29	Image id: LC341A	Catalogue: 99529	Model: EC650
Brand: Volvo	Serial: 539-618	Group/Section: 218/150	Title: Engine mounting



Volvo Construction
Equipment
LC 341A

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE14344717	1							Engine anchorage		FRONT, RH
2	VOE14342202	1							Adapter		FRONT,RH. SER NO - 544
3	VOE14344716	1							Engine anchorage		FRONT, LH
4	VOE14342183	1							Adapter		FRONT, LH. SER NO - 544
5	VOE14310035	8							Lock screw		
6	VOE13965185	7							Screw		
7	VOE13965220	1							Screw		
8	VOE13971089	8							Lock nut		
9	VOE13965562	1							Bracket		
10	VOE952643	1							Clamp		
11	VOE13955271	1							Screw		
12	VOE13955781	1							Nut		
13	VOE14343643	2							Rubber cushion		(VOE14341744)

14	VOE14343171	2						Washer		
15	VOE963347	2						Hexagon screw		
16	VOE14310034	4						Lock screw		SER NO - 544
17	VOE14342182	2					OP	Engine anchorage		REAR, SER NO - 544
17A	VOE14343851	4						Engine anchorage		SER NO 545 -
18	VOE14310036	8						Flg Lock Screw		
18A	VOE955563	12						Hexagon screw		SER NO 545 -
19	VOE13965185	8						Screw		SER NO - 544
19A	VOE13965185	16						Screw		SER NO 545 -
20	VOE13971089	8						Lock nut		SER NO - 544
20A	VOE13971089	16						Lock nut		SER NO 545 -
21	VOE14343643	2						Rubber cushion		(VOE14341744)SER NO - 544
21A	VOE14344185	4						Rubber cushion		SER NO 545 -
22	VOE14343171	2						Washer		SER NO - 544
22A	VOE14343171	4						Washer		SER NO 545 -
23	VOE14342184	2					OP	Adapter		REAR, SER NO - 544
23A	VOE14266331	REQ					OP	Shim		SER NO - 544
23B	VOE14343689	REQ						Shim		SER NO 545 -
24	VOE14310031	2					OP	Lock screw		SER NO - 544
24A	VOE963347	4						Hexagon screw		SER NO 545 -
25	VOE14310034	4						Lock screw		SER NO - 544
	VOE14344345						NS	Conversion kit		SER NO -544

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