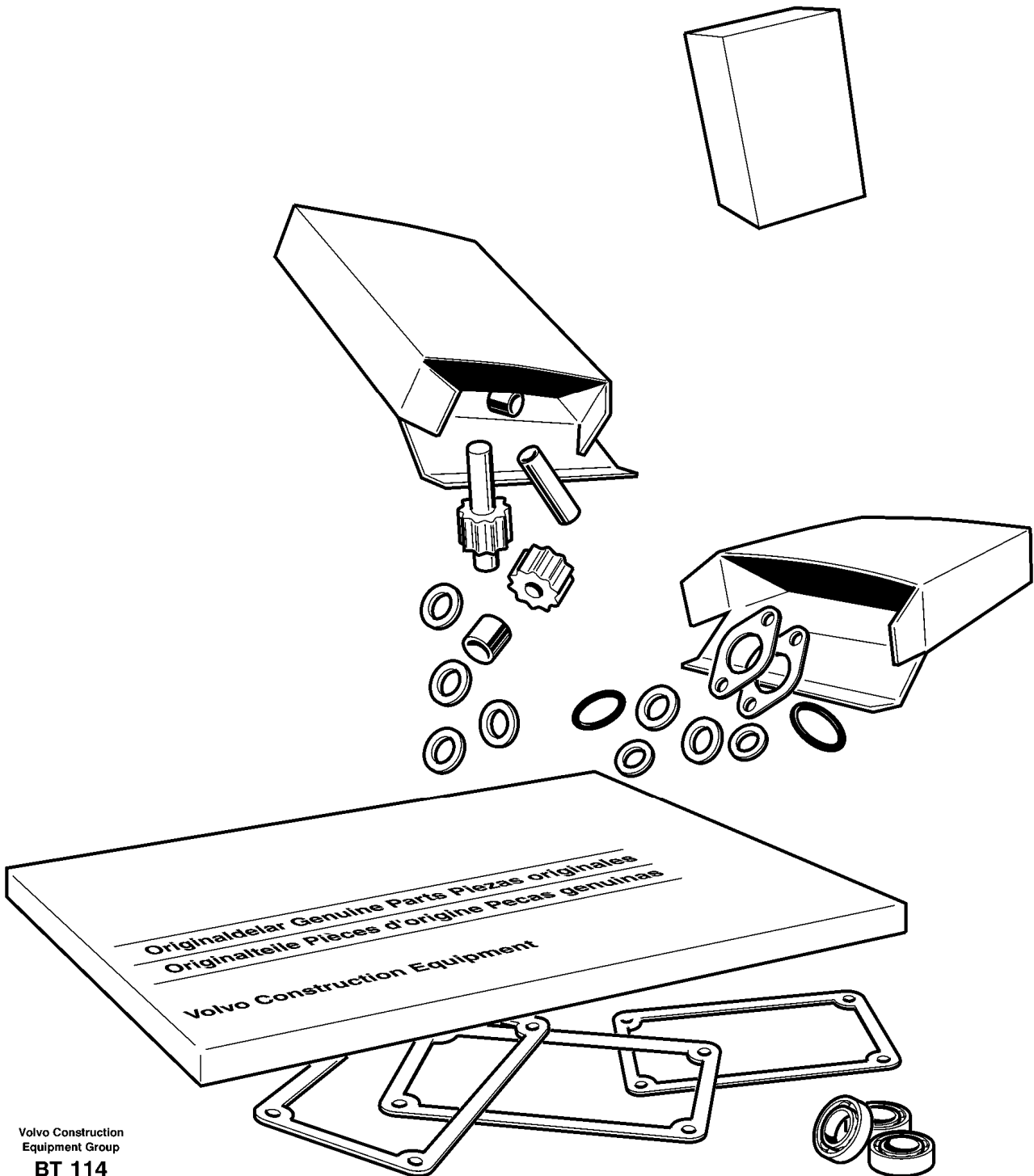


VOLVO

Construction Equipment

Date: 2014/2/24	Image id: BT114	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 210/50	Title: Repair kits for engine



Volvo Construction
Equipment Group
BT 114

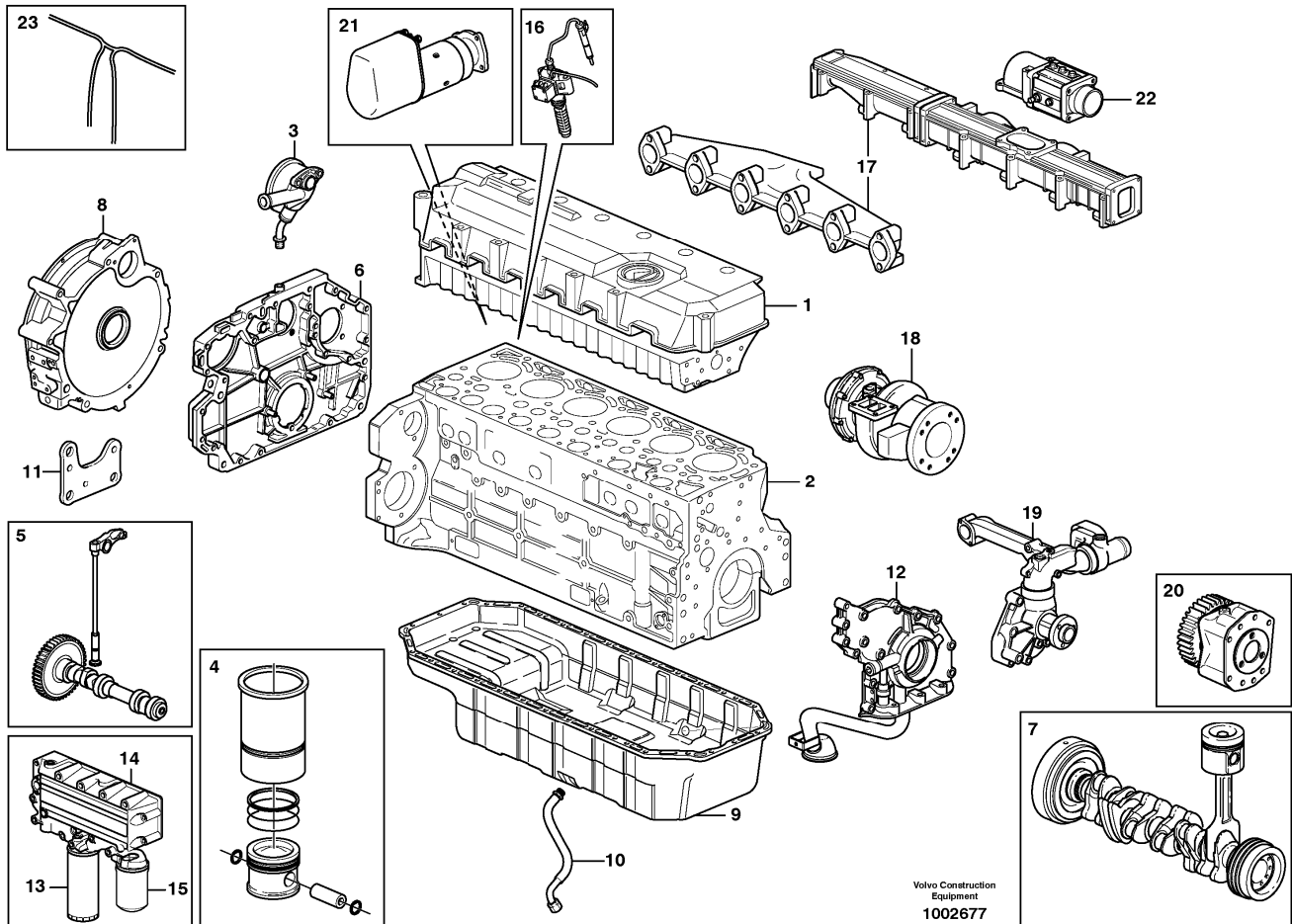
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
-----	------	----	----	----	----	----	----	-----	-------------	-----------	--------

VOE11716552	1							Overhaul Kit		See footnote 1339)
VOE11700284	6							•Bearing bushing		
VOE11700285	1							•Bearing bushing		
VOE11700426	6							•Sealing ring		
VOE13947282	6							•Gasket		
VOE13947621	16							•Plane gasket		
VOE13947622	2							•Plane gasket		
VOE13947624	1							•Plane gasket		
VOE13947625	2							•Plane gasket		
VOE13947628	15							•Plane gasket		
VOE20405569	2							•Sealing		
VOE20405578	3							•Sealing ring		
VOE20405595	1							•Gasket		
VOE20405599	1							•Sealing ring		
VOE20405613	2							•Gasket		
VOE20405691	1							•Gasket		
VOE20405747	1							•Gasket		
VOE20405790	1							•Gasket		
VOE20405822	2							•Sealing ring		
VOE20405825	1							•Gasket		
VOE20405888	1							•Gasket		
VOE20405915	1							•Gasket		
VOE20405969	1							•Gasket		
VOE20412286	1							•Sealing ring		
VOE20412325	4							•Sealing ring		
VOE20412343	1							•Sealing ring		
VOE20412359	1							•Sealing ring		
VOE20412568	2							•Sealing ring		
VOE20412762	12							•O-ring		
VOE20450890	2							•Sealing ring		
VOE20450903	1							•Sealing ring		
VOE20450993	1							•Sealing ring		
VOE20459065	1							•Sealing ring		
VOE20459904	1							•Sealing ring		
VOE20459961	1							•Sealing ring		
VOE20460026	2							•Sealing ring		
VOE20460073	12							•O-ring		
VOE20504411	6							•Sealing ring		
VOE20742661	1							•Gasket		
VOE20881400	6							•Shim		
VOE976929	7							•Gasket		
VOE11716616	1							•Cylinder Head K		
VOE11700348	12							••O-ring		
VOE20405521	2							••Guide pin		
VOE20405900	1							••Gasket		
VOE20405901	1							••Gasket		
VOE20405902	1							••Gasket		

	VOE20412597	1							••Gasket		
	VOE20405943	1							••Gasket		
	VOE20405938	1							••Connector		
	VOE20450675	6							••Pipe		
	VOE20557208	6							••Gasket		
	VOE20799731	12							••Washer		
	VOE20505959	12							••Hexagon nut		
	VOE20591706	6							••Gasket		
	VOE20405970	1							••Gasket		
	VOE20450739	1							••Sealing ring		
	VOE20450737	1							••Sealing ring		
	VOE20792871	1							••Gasket		
	VOE13947281	3							••Gasket		
	VOE20854656	6							•Cyl Liner Kit		
	VOE20405577	6							••Gudgeon pin		
	VOE20405576	12							••Retaining ring		
	VOE21299547	6							••Piston ring kit		(VOE20450775)

1339) For cylinder head

Date: 2014/2/24	Image id: 1002677	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 210/100	Title: Engine



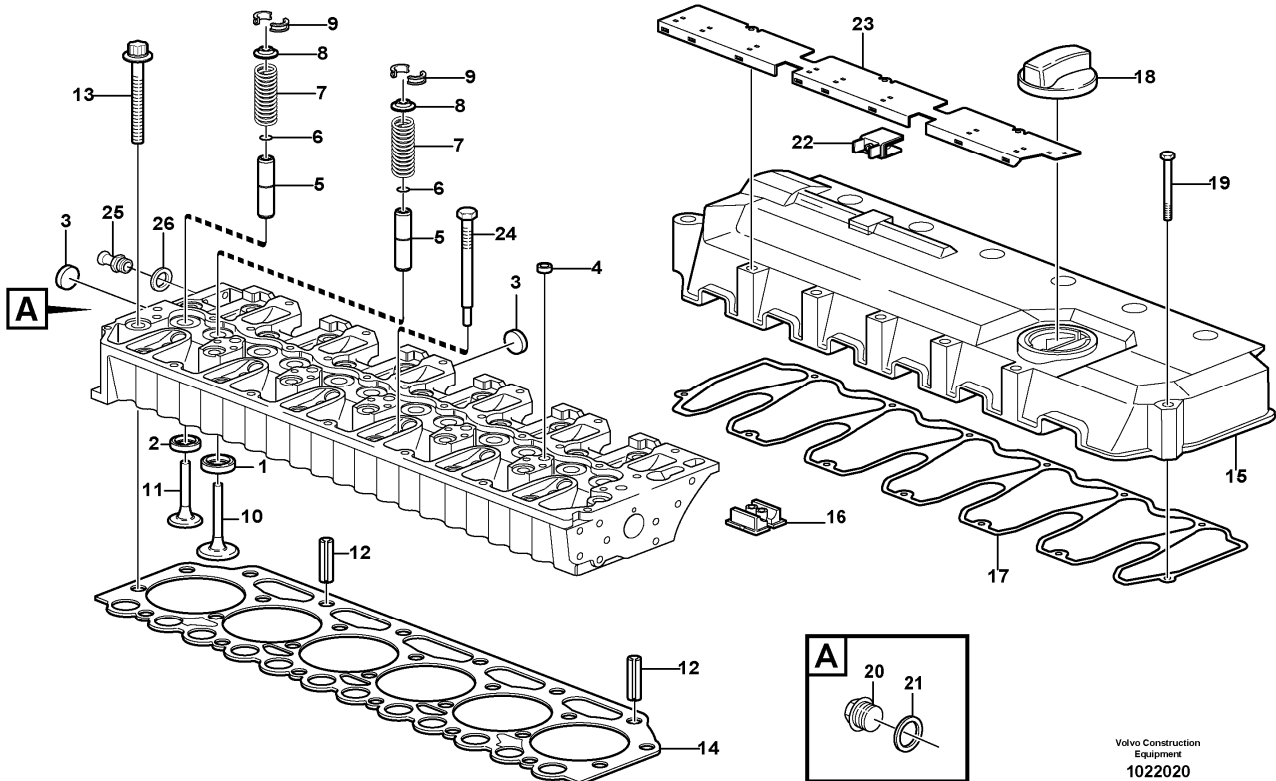
Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2
VOE33359		Wheel Loader L110E

Q1-Q5	Option	Option description	
Q1 11173900	VOE11173900	Engine VOLVO D7D LBE2	
Q2 33359	VOE33359	Wheel Loader L110E	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE11173900	1							Engine		D7 DLBE2
1		2							•Cylinder head		See ref 211/100
2		1							•Cylinder block		See ref 212/100
3		1							•Crankcase ventilation		See ref 212/150

4		6							•Cylinder Liner And Piston		See ref 213/100
5		1							•Valve mechanism		See ref 214/100
6		1							•Timing gear casing		See ref 215/100
7		1							•Crankshaft		See ref 216/100
8		1							•Flywheel housing		See ref 216/150
9		1							•Oil sump		See ref 217/100
10		1							•Drain Line, Oil Sump		See ref 217/150
11		1	1						•Engine suspension		See ref 218/100
12		1							•Lubricating system		See ref 221/100
13		1							•Oil filter		See ref 222/100
14		1							•Oil cooler		See ref 223/100
15		1	1						•Fuel pump		See ref 233/100
16		1							•Fuel pipes		See ref 235/150
17		1							•Inlet manifold		See ref 251/100
18		1							•Turbocharger		See ref 255/100
19		1							•Coolant Pump		See ref 262/100
20		1							•Pump Drive Power Take-off		See ref 263/250
21		1							•Starter motor		See ref 331/100
22		1							•Pre-heater With Fitting P		See ref 333/150
23		1							•Cable Harness, Engine		See ref 371/150

Date: 2014/2/24	Image id: 1022020	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 211/100	Title: Cylinder head

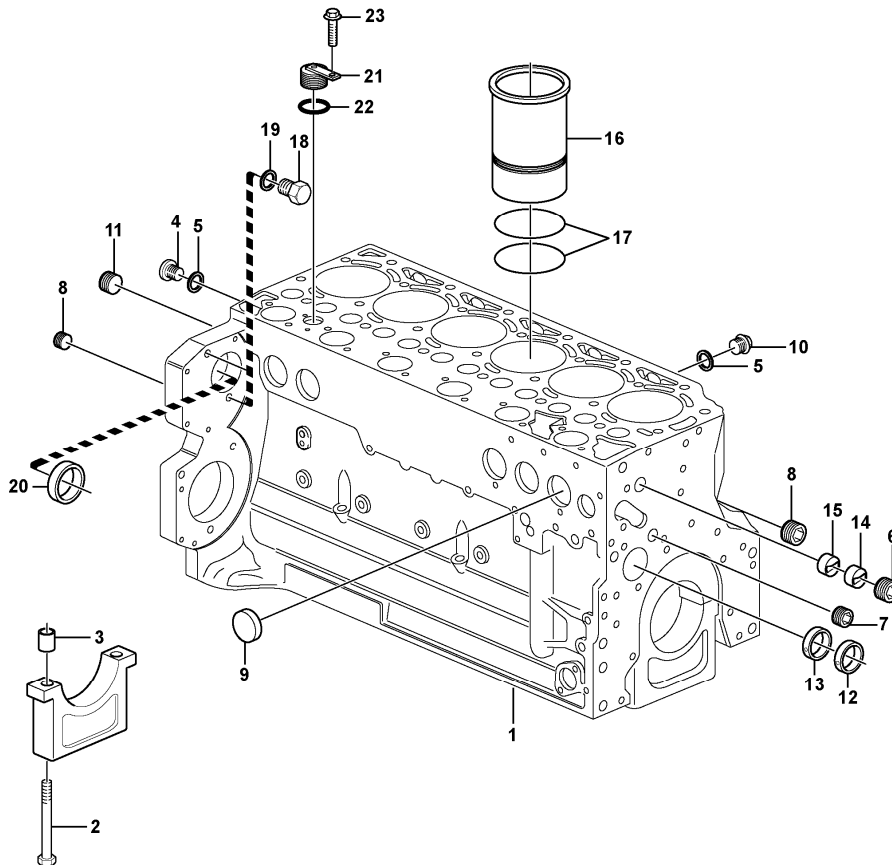


Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE20489008	1							Cylinder head		
1	VOE20459962	6							•Valve seat		
2	VOE20459963	6							•Valve seat		
3	VOE20412745	5							•Core plug		
4	VOE20412745	5							•Core plug		
5	VOE20405897	12							•Valve guide		(VOE11700349)
6	VOE11700348	12							•O-ring		
7	VOE11700347	12							•Valve spring		
8	VOE11700346	12							•Washer		
9	VOE11700345	24							•Valve sleeve		

10	VOE20417380	6							•Inlet valve		
11	VOE20405503	6					SS		•Exhaust valve		
12	VOE20405521	2							Guide pin		
13	VOE11700334	26							Screw		
14	VOE20405900	1							Gasket		THICK = 1,4 MM
	VOE20405901	1							Gasket		THICK = 1,5 MM
	VOE20405902	1							Gasket		THICK = 1,6 MM
15	VOE20412599	1					SS		Valve cover		ENG - 937501 ENG - 937322 USA
	VOE20725338	1							Valve Cover		ENG 937502 - ENG 937323 - USA
16	VOE20412600	1							•Cap		
17	VOE20412597	1							Gasket		ENG - 937501 ENG - 937322 USA
	VOE20725316	1							Gasket		ENG 937502 - ENG 937323 - USA
18	VOE20412589	1							Filler cap		
19	VOE20412601	13							Screw		
20	VOE20405716	1							Plug		
21	VOE13947621	1							Plane gasket		
22	VOE20450956	1							Cable clamp		ENG - 00937327
22	VOE20711847	1							Cable Clamp		ENG 00937328 -
23	VOE20450954	1							Cover plate		
24	VOE20405895	6							Plug		
25	VOE20483764	1							Nipple		
26	VOE13947622	1							Plane gasket		

Date: 2014/2/24	Image id: 1020831	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 212/100	Title: Cylinder block



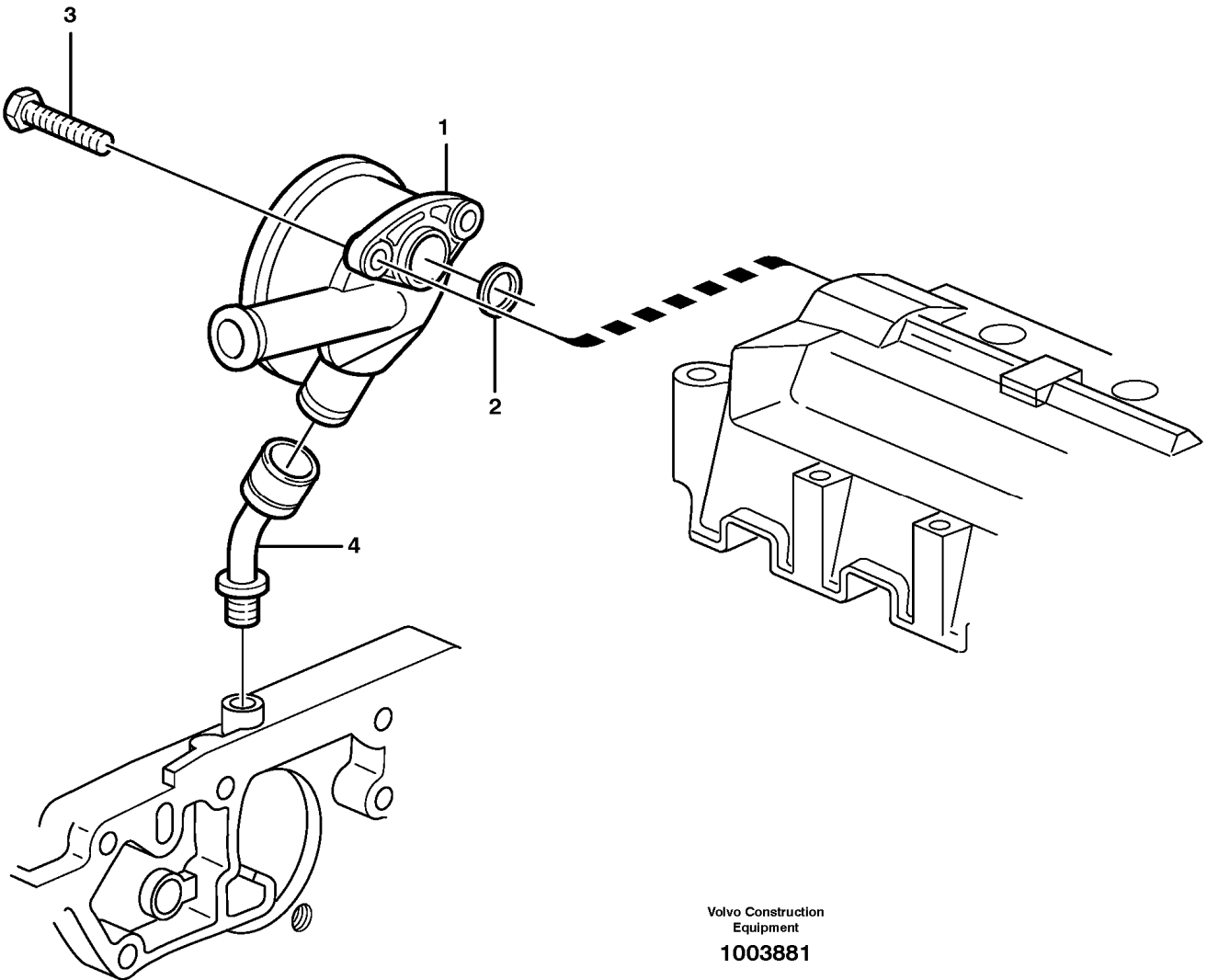
Volvo Construction
Equipment
1020831

Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20450768	1					SS		Crankcase		SER NO - 779906
	VOE20544667	1							Cylinder Block		SER NO 779907 -
2	VOE20405583	14							•Bolt		
3	VOE11700278	14							•Bushing		
4	VOE945065	2							•Plug		
5	VOE976929	4							•Gasket		
6	VOE20405717	1							•Plug		OD = 30 MM
7	VOE20405719	1							•Plug		OD = 22 MM
8	VOE20405718	2							•Plug		OD = 14 MM
9	VOE20405721	10							•Core plug		

10	VOE20405716	2							•Plug		
11	VOE20785813	1							•Plug		OD = 22 MM
12	VOE11700284	6							•Bearing bushing		
13	VOE11700285	1							•Bearing bushing		
14	VOE20405584	1							•Guide sleeve		
15	VOE20405906	1							•Guide sleeve		
16		6							•Cylinder Liner		NO PISTONS ETC. See ref 213/100
17	VOE20412762	12							••O-ring		
18	VOE20441859	2							Plug		
19	VOE13947281	2							Gasket		
20	VOE20450778	1							Core plug		
21	VOE20702078	1							Plug		ENG - 01047118
	VOE20758137	1							Plug		ENG 01047119 -
22	VOE20405728	1							•Sealing ring		
23	VOE20711881	1							Screw		

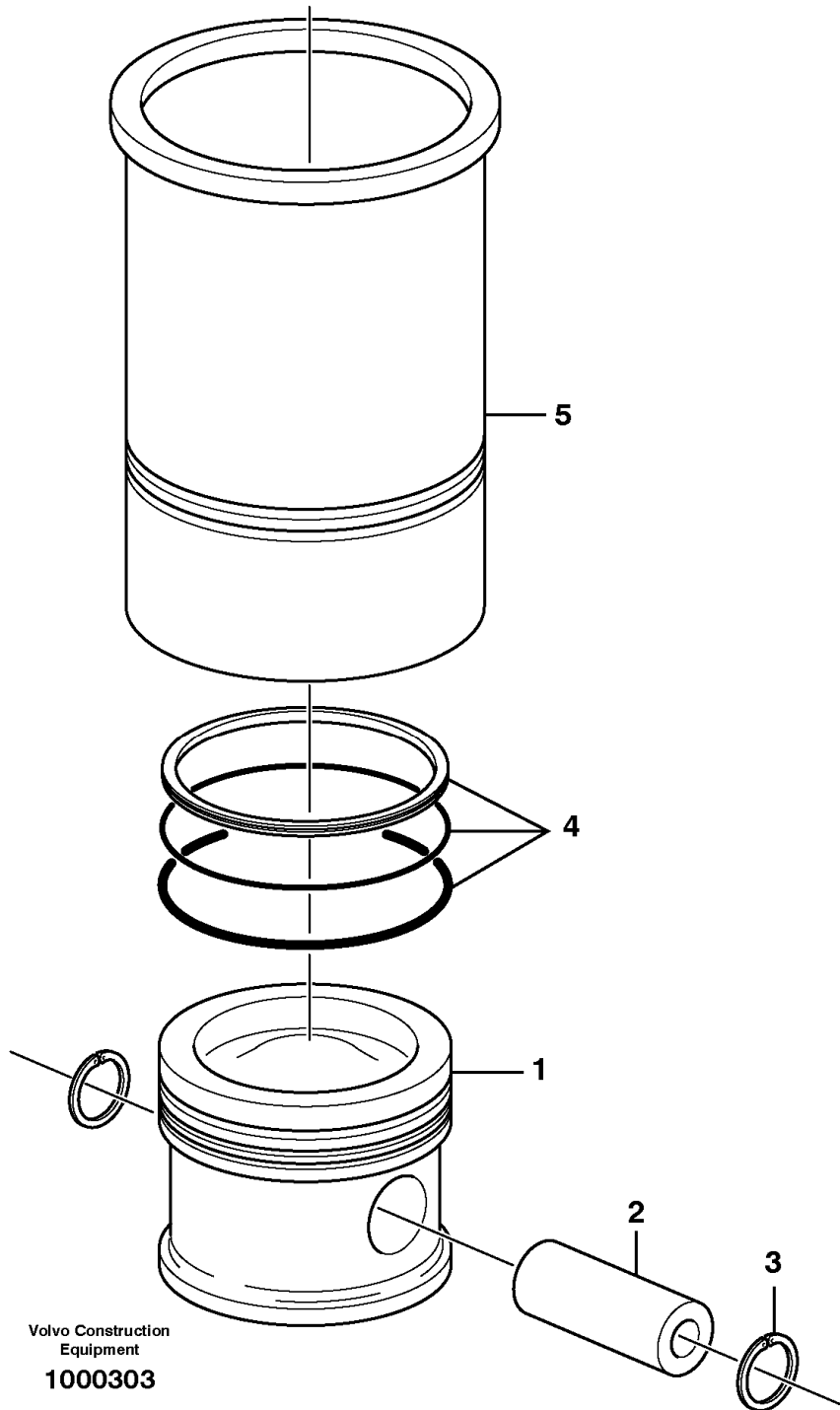
Date: 2014/2/24	Image id: 1003881	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 212/150	Title: Crankcase ventilation



Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20412322	1							Pressure regulator		
2	VOE20405943	1							•Gasket		
3	VOE20450728	2							Bolt		
4	VOE20405938	1							Connector		

Date: 2014/2/24	Image id: 1000303	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 213/100	Title: Cylinder liner and piston

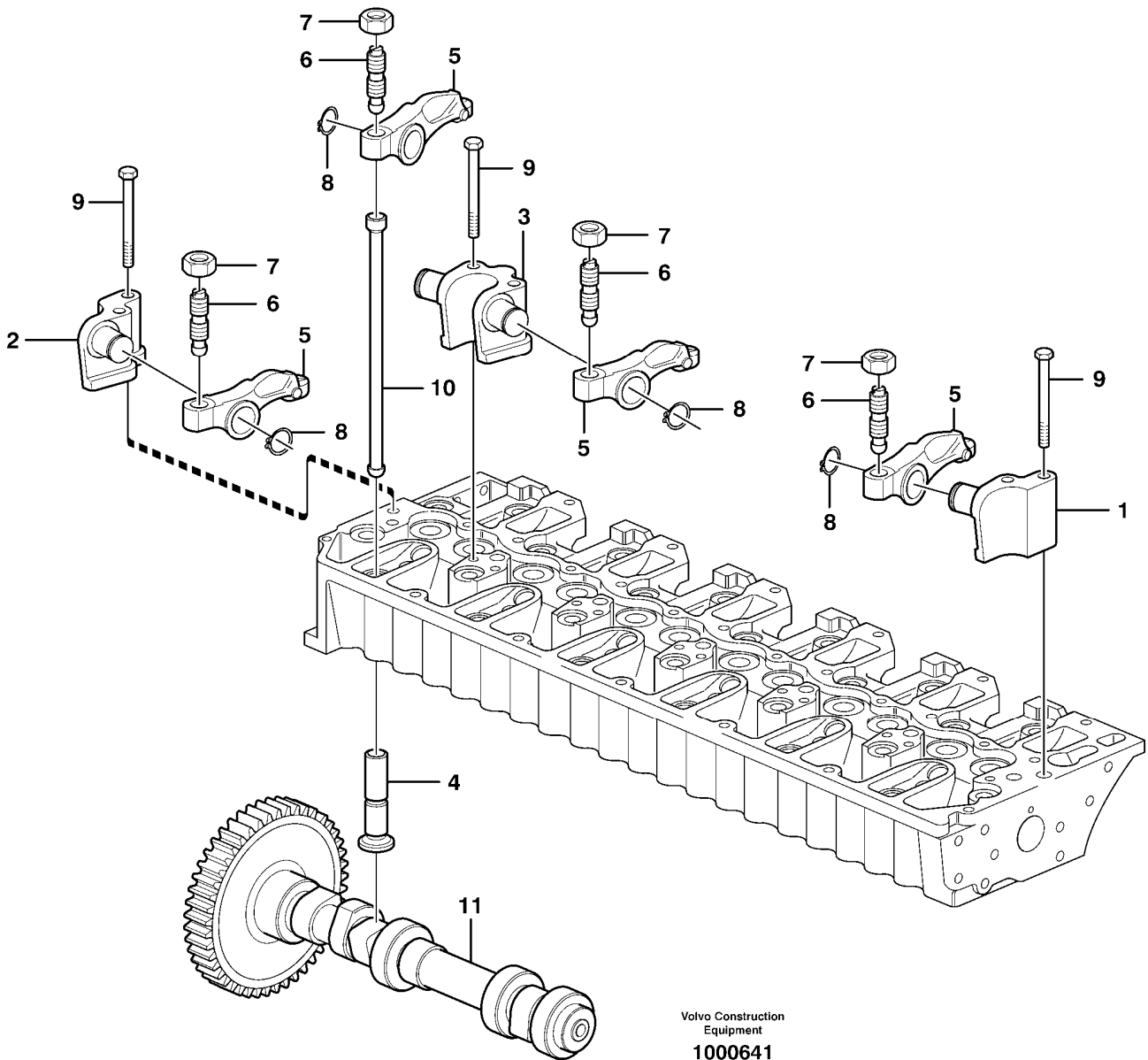


Section option	Kit	Option description
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VOE11173900		Engine VOLVO D7D LBE2
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Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		6					NS		Piston		
2	VOE20405577	6							•Gudgeon pin		
3	VOE20405576	12							•Retaining ring		
4	VOE21299547	6							•Piston ring kit		(VOE20450775)
5	VOE20854656	6							Cyl Liner Kit		

Date: 2014/2/24	Image id: 1000641	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 214/100	Title: Valve mechanism



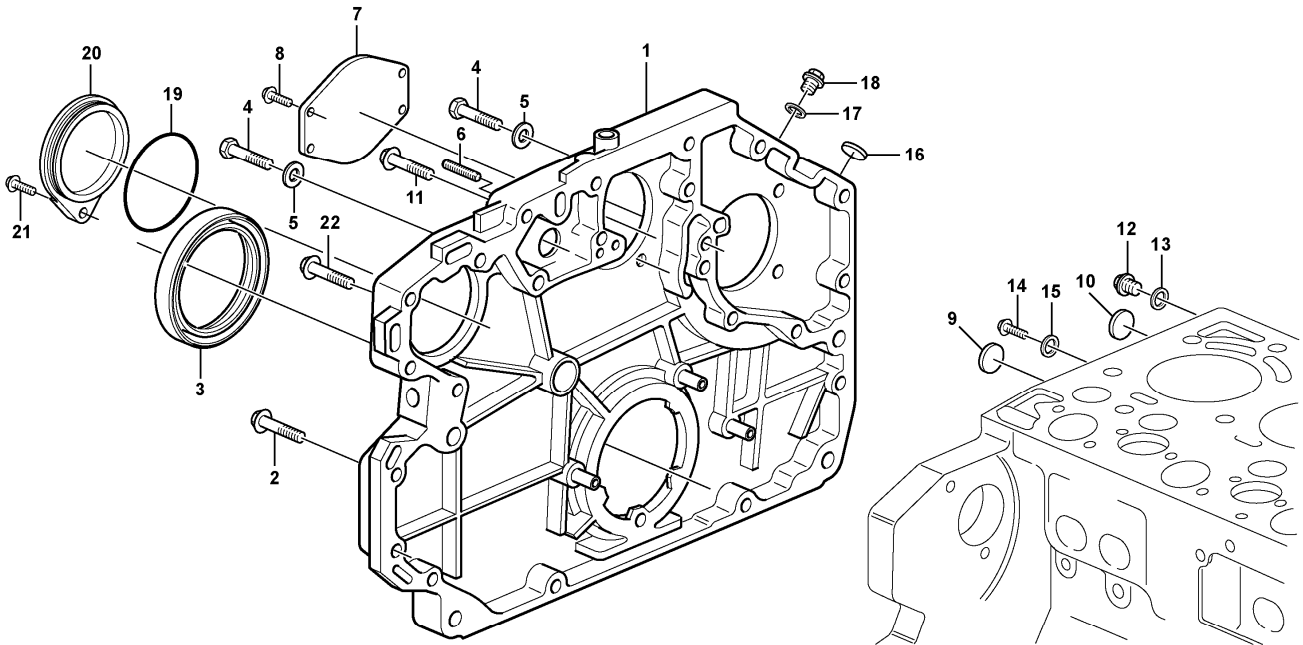
Volvo Construction
Equipment
1000641

Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11700367	1							Bearing bracket		
2	VOE11700369	1							Bearing bracket		
3	VOE11700368	5							Bearing bracket		

4	VOE11700366	12							Tappet		
5	VOE11700370	12							Rocker arm		
6	VOE20405524	12							Screw		
7	VOE11700373	12							Nut		
8	VOE945495	12							Retaining ring		
9	VOE20405723	14							Screw		
10	VOE20405534	12							Push rod		
11	VOE20544668	1					SS		Camshaft		ENG - 01099467
11	VOE21277069	1							Camshaft		(VOE20909235)ENG 01099468 -

Date: 2014/2/24	Image id: 1020934	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 215/100	Title: Timing gear casing



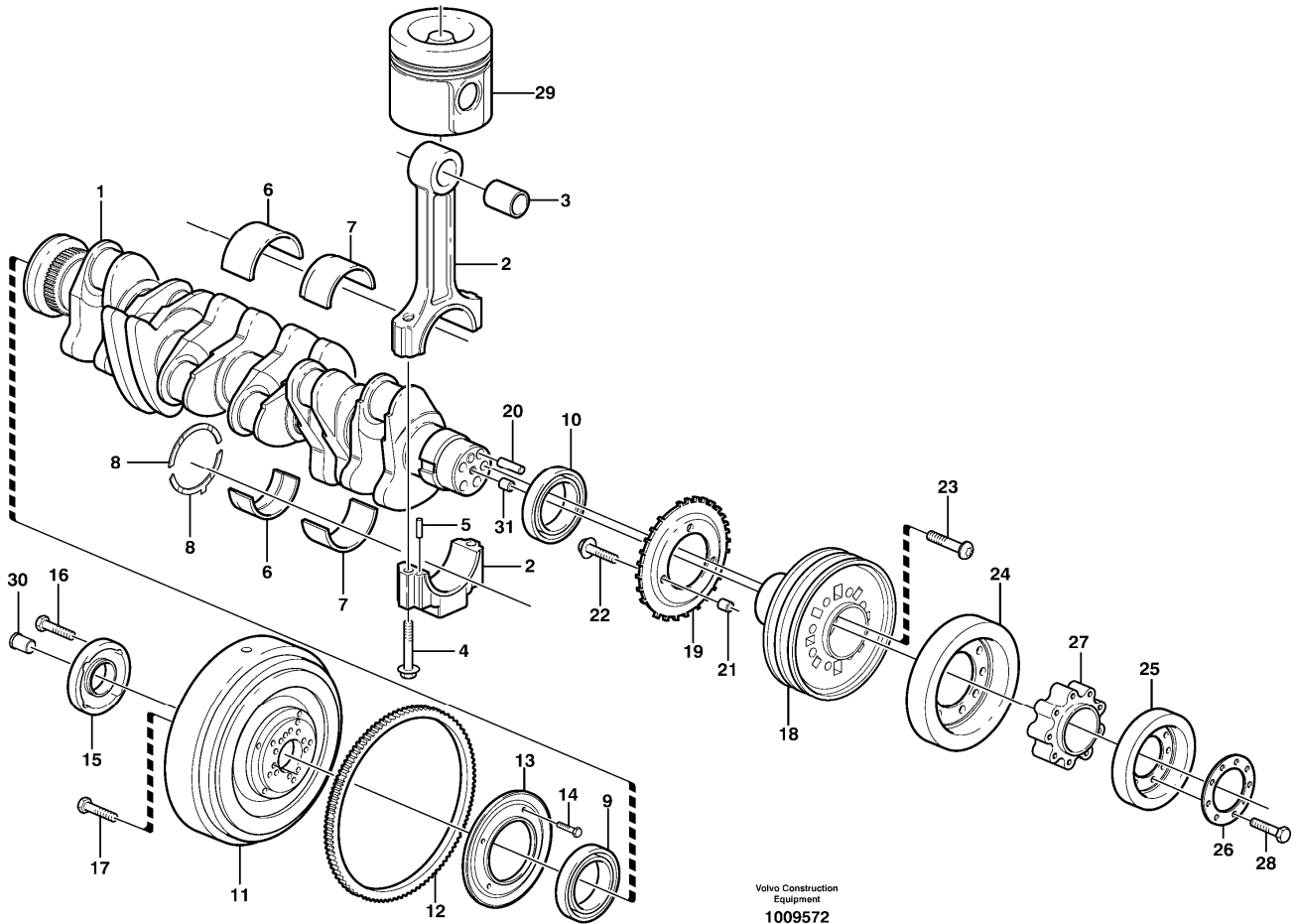
Volvo Construction
Equipment
1020934

Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21077860	1							Cover		(VOE20450793)
2	VOE20412324	12							Screw		
3	VOE20412286	1							Sealing ring		
4	VOE20534597	2							Screw		
5	VOE13955900	2							Washer		
6	VOE20450795	1							Set screw		
7	VOE20450799	1							Cover		
8	VOE20405709	4							Screw		
9	VOE20412745	1							Core plug		
10	VOE20490808	1							Cover		

11	VOE20450801	1							Screw		
12	VOE945065	1							Plug		
13	VOE13947621	1							Plane gasket		
14	VOE20405898	1							Screw		
15	VOE20460087	1							Washer		
16	VOE20405605	1							Cover		
17	VOE13947621	1							Plane gasket		
18	VOE20451012	1							Screw		
19	VOE20405652	1							Sealing ring		
20	VOE20706651	1							Cover		
21	VOE20450802	1							Screw		
22	VOE20405709	3							Screw		

Date: 2014/2/24	Image id: 1009572	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 216/100	Title: Crankshaft and related parts

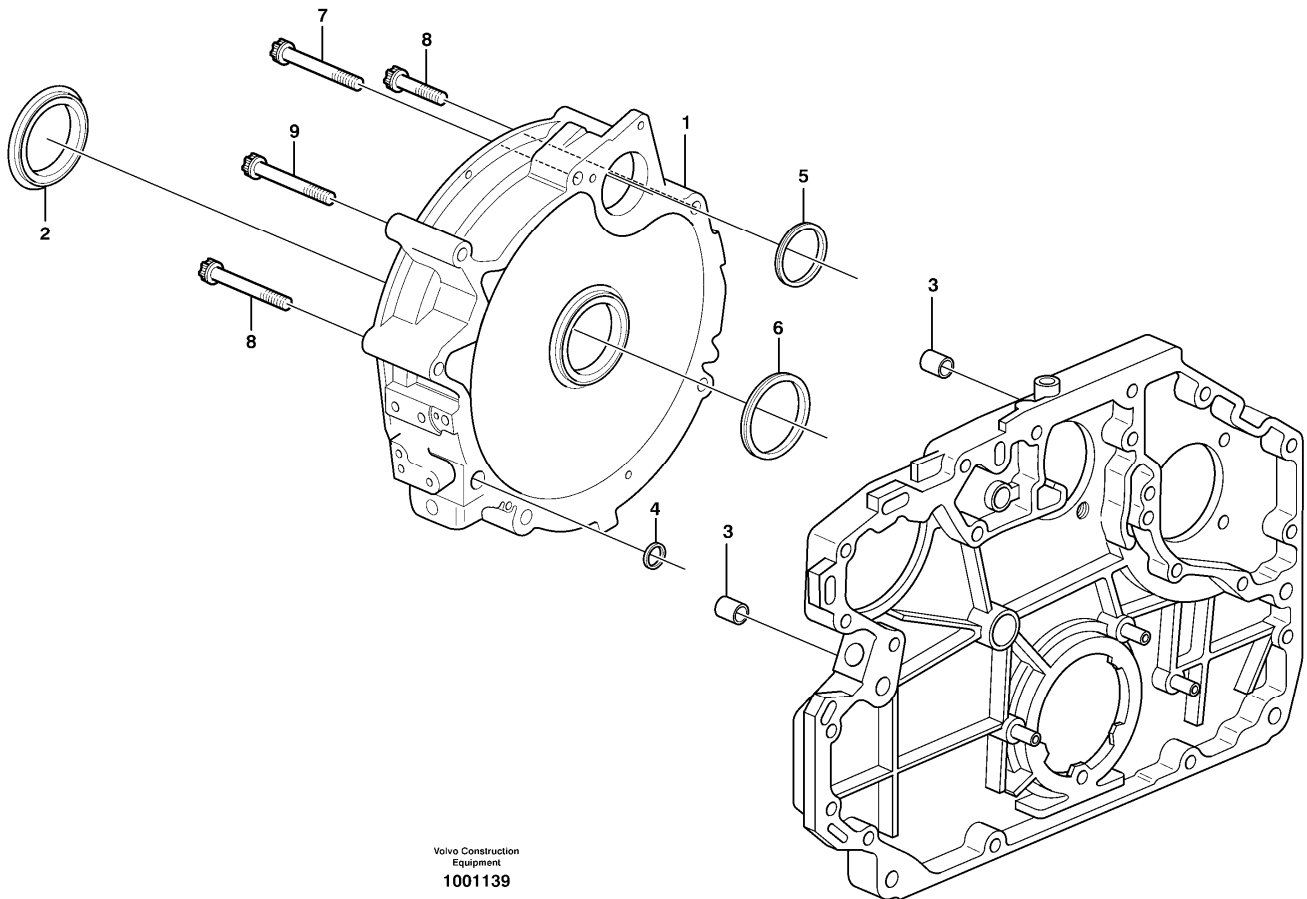


Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20724015	1					SS		Crankshaft		
2	VOE11700324	6					SS		Connecting rod		ENG - 09/2004
2	VOE20585982	6							Connecting Rod		(VOE11700324)ENG 10/2004 -
3	VOE11700325	6							•Bushing		
4	VOE11700326	12							•Bolt		
5	VOE20459134	12							•Pin		(VOE20450823)
6	VOE21141948	7							Main bearing		(VOE11700311)STD 85,00 MM
6	VOE21234191	7							Main bearing		(VOE20405529)U SZ 84,75 MM

6	VOE20405541	7							Main bearing		U SZ 84,50 MM
7	VOE20565150	6							Bearing		STD 68,00 MM ENG - 09/2004
7	VOE20717211	6							Big-end Bearing		U SZ 67,75 MM ENG - 09/2004
7	VOE20565188	6							Big-end Bearing		U SZ 67,50 MM ENG - 09/2004
7	VOE20766790	6							Big-end Bearing		STD 68,00 MM ENG 10/2004 -
7	VOE20790423	6							Big-end Bearing		U SZ 67,75 MM ENG 10/2004 -
7	VOE20790428	6							Big-end Bearing		U SZ 67,50 MM ENG 10/2004 -
8	VOE20405899	1							Thrust Washer		(VOE11700314)
8	VOE21141963	REQ							Raceway washer		O SZ = 3,1 MM
9	VOE20412286	1							Sealing ring		
10	VOE20412568	1							Sealing ring		
11	VOE20917910	1							Flywheel		
12	VOE20450830	1							•Gear		(VOE11700320)
13	VOE20450832	1							•Labyrinth ring		(VOE11700321)
14	VOE20450834	4							•Screw		(VOE11700322)
15	VOE20460793	1							Flange		
16	VOE20459126	5							Screw		
17	VOE20450835	10							Screw		(VOE11700307)
18	VOE20483448	1							Pulley		
19	VOE20450836	1							Lock washer		
20	VOE20450628	1							Pin		
21	VOE20450838	1							Pin		
22	VOE888289	3							Hexagon screw		(VOE11709826)
23	VOE20405724	4							Screw		
24	VOE20412424	1							Vibration damper		
25	VOE20460794	1							Vibration damper		
26	VOE20460800	1							Washer		
27	VOE20460799	1							Spacer		
28	VOE20460205	9							Screw		
29		1							Piston		See ref 213/100
30	VOE20405643	1							Plug		
31	VOE20405634	1							Spring pin		

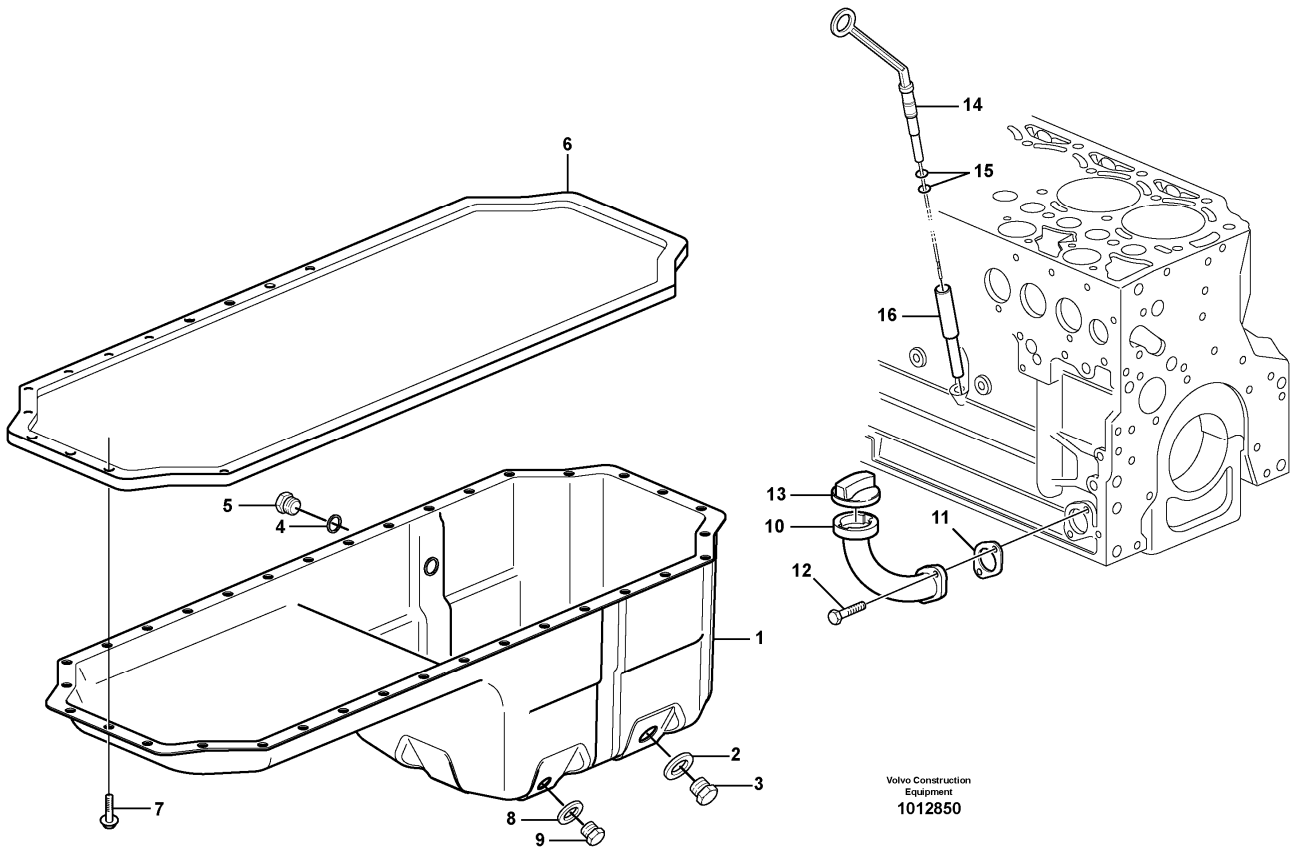
Date: 2014/2/24	Image id: 1001139	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 216/150	Title: Flywheel housing



Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20459988	1							Flywheel housing		
2	VOE20450784	1							•Labyrinth ring		(VOE11700592)
3	VOE20405646	2							Bushing		ENG - 916771
	VOE20585971	2							Bushing		ENG 916772 -
4	VOE20459993	4							O-ring		
5	VOE20459994	1							Sealing ring		
6	VOE20450786	1							Sealing ring		(VOE11700599)
7	VOE20405710	3							Screw		
8	VOE20460792	2							Screw		
9	VOE20405715	1							Screw		

Date: 2014/2/24	Image id: 1012850	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 217/100	Title: Oil sump

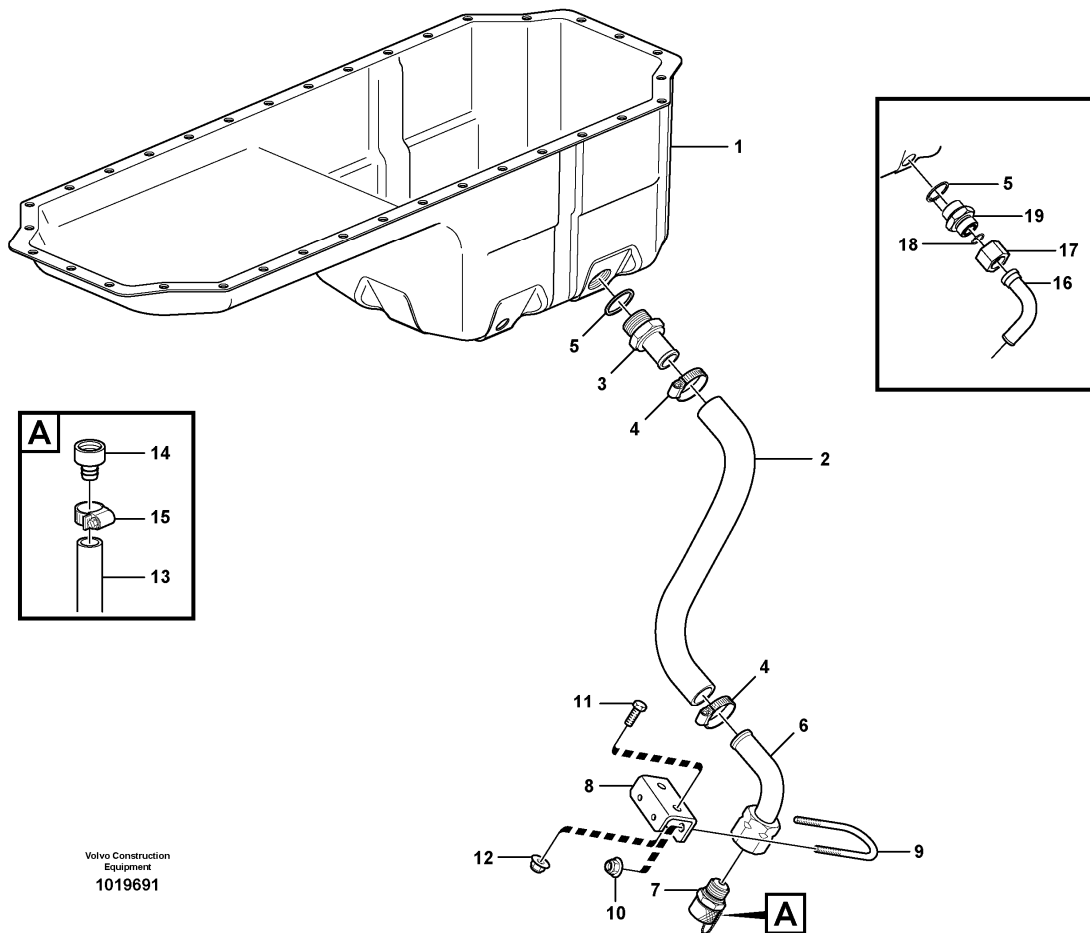


Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20495330	1							Oil pan		ENG - 01099411
1	VOE20814391	1							Oil Pan		ENG 01099412 -
2	VOE20496256	1							Gasket		
3	VOE20496257	1							Plug		
4	VOE20460026	1							Sealing ring		
5	VOE20460024	1							Plug		
6	VOE20405915	1							Gasket		
7	VOE20405792	34							Screw		
8	VOE13947624	1							Plane gasket		
9	VOE20405506	1							Plug		

10	VOE20977060	1							Tube		
11	VOE20405825	1							Gasket		
12	VOE20405885	2							Screw		
13	VOE20405835	1							Cap		
14	VOE20529929	1					SS		Dipstick		(VOE11988913)ENG - 01099411
14	VOE20912376	1							Dipstick		ENG 01099412 -
15	VOE20412343	2							•Sealing ring		
16	VOE20405644	1							Guide tube		

Date: 2014/2/24	Image id: 1019691	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 217/150	Title: Drain line, oil sump



Section option	Kit	Option description
VOE33359		Wheel Loader L110E

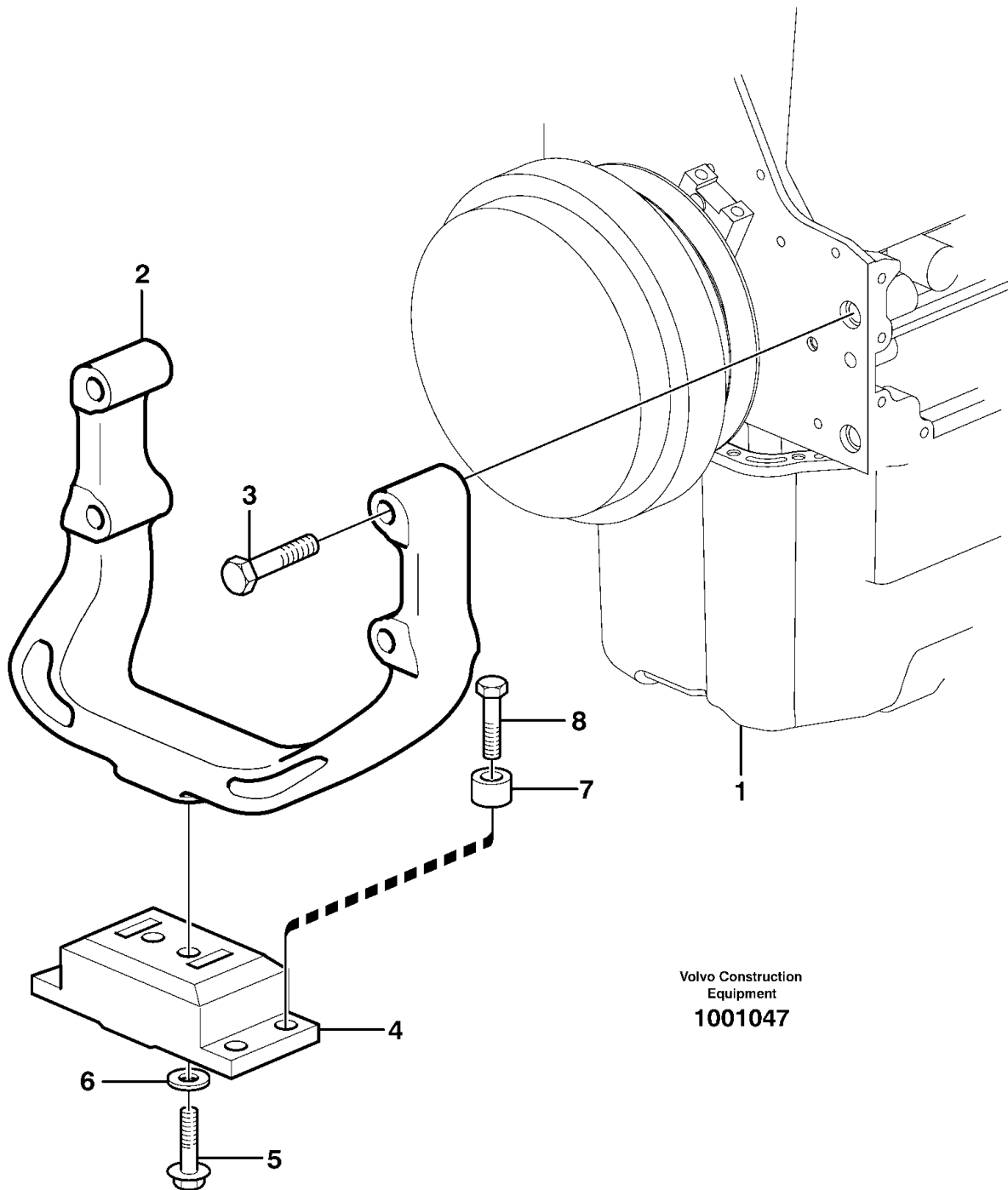
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Oil Pan		See ref 217/100
2	VOE13961193	REQ							Hydraulic hose		L = 360 MM
3	VOE11410016	1							Nipple		SER NO - 1065 SER NO - 60008 USA
4	VOE943475	2							Hose clamp		
5	VOE13947630	1							Gasket		
6	VOE11410017	1							Drain Tube		
7	VOE11054692	1							Valve		
8	VOE11130593	1							Bracket		
	VOE961614	2							•Weld nut		
9	VOE11130269	1							Clamp		

10	VOE948645	2							Flange lock nut		
11	VOE13945444	2							Screw		
12	VOE948645	2							Flange lock nut		
13	VOE11154125	1							Hose		L = 1400 MM
14	VOE11054659	1							Connector		
15	VOE943473	1							Hose clamp		
16	VOE11410190	1							Drain tube		SER NO 1066 - SER NO 60009 - USA
17	VOE13933877	1							Fitting nut		SER NO 1066 - SER NO 60009 - USA
18	VOE981289	1							O-ring		SER NO 1066 - SER NO 60009 - USA
19	VOE11163064	1							Nipple		SER NO 1066 - SER NO 60009 - USA

VOLVO

Construction Equipment

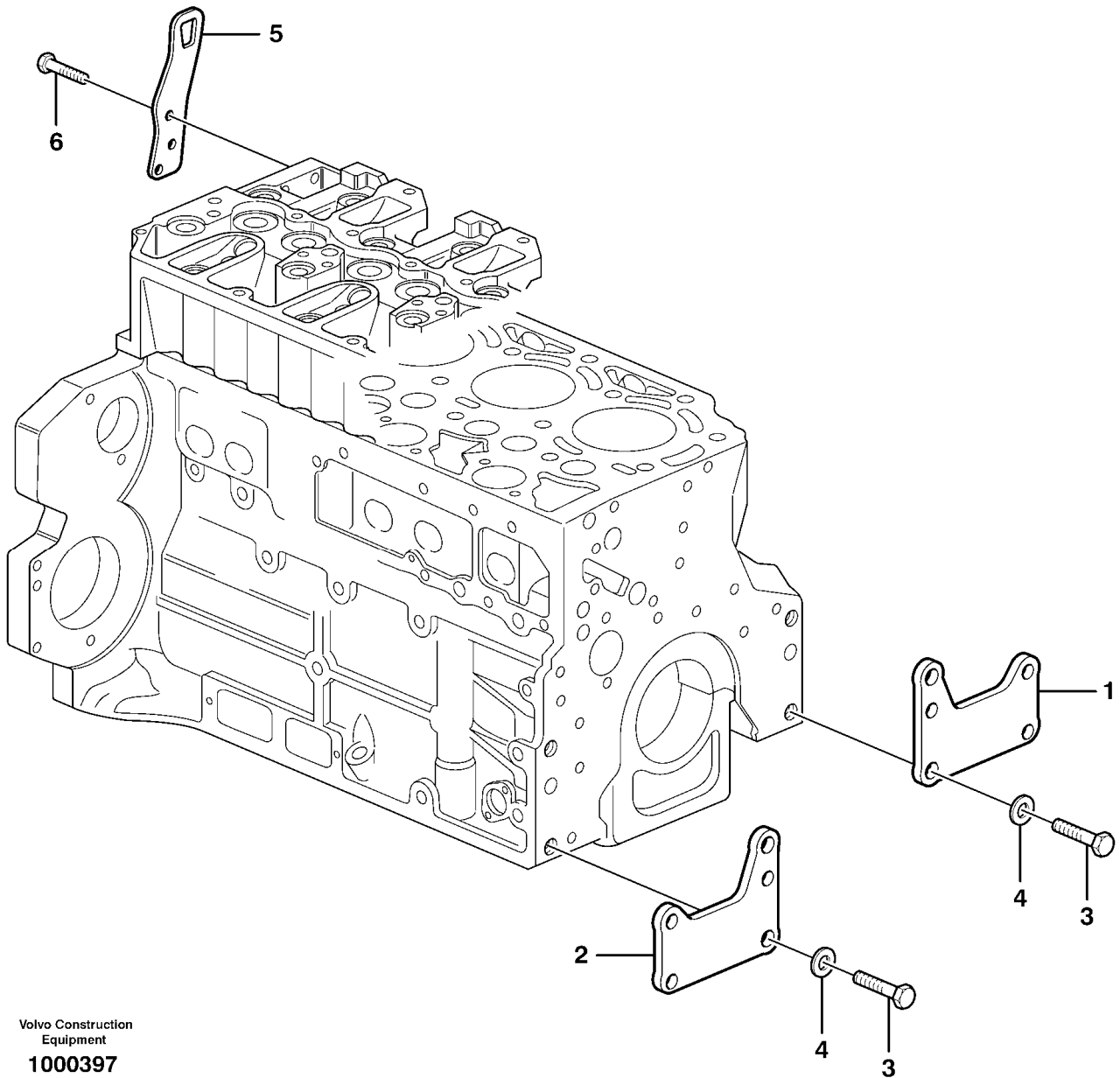
Date: 2014/2/24	Image id: 1001047	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 218/100	Title: Engine mounting 33359



Section option	Kit	Option description
VOE33359		Wheel Loader L110E

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Engine		See ref 210/100
2	VOE11172117	1							Engine anchorage		
3	VOE963320	4							Hexagon screw		
4	VOE20503551	1							Rubber cushion		
5	VOE13966362	2							Flange screw		
6	VOE930844	2							Washer		
7	VOE11025923	4							Spacer		
8	VOE13965193	4							Screw		

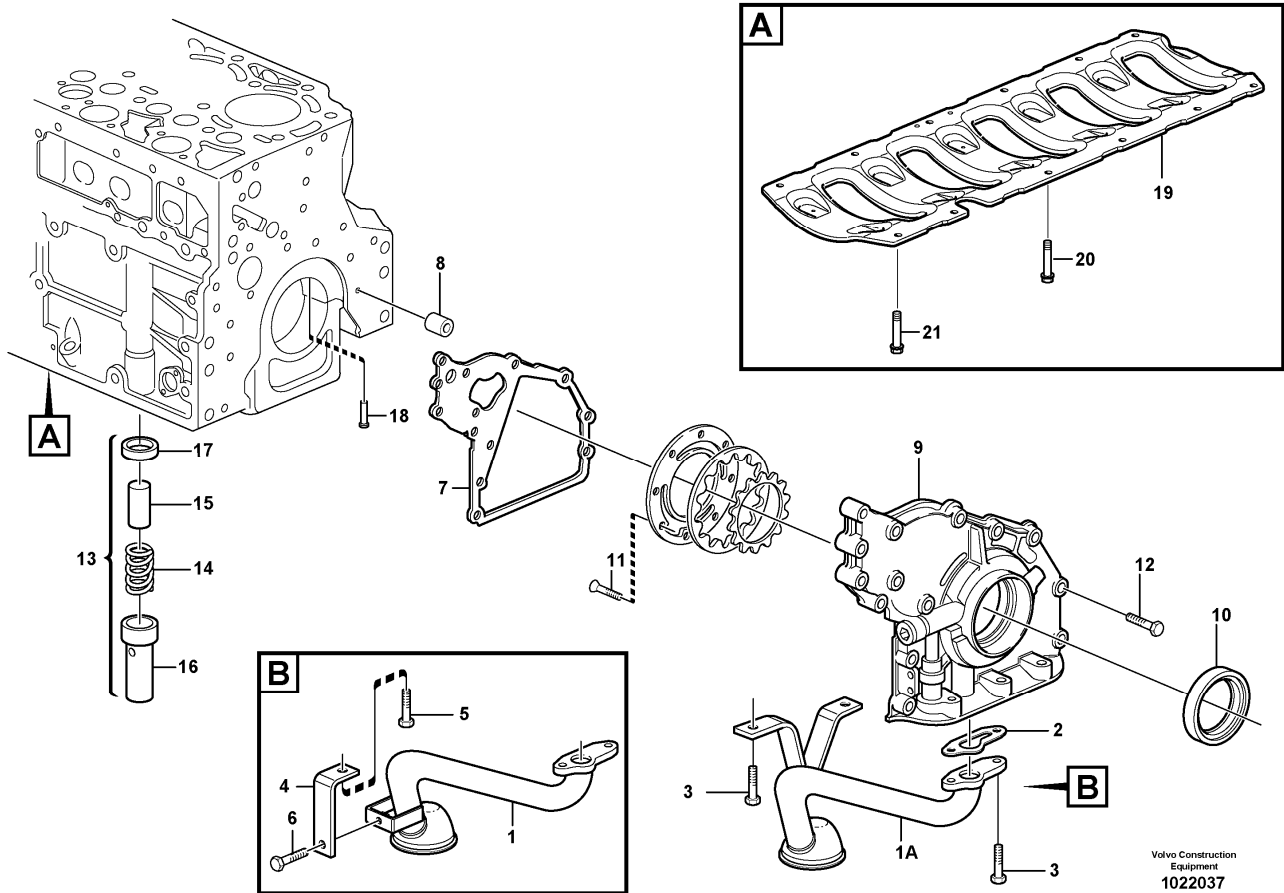
Date: 2014/2/24	Image id: 1000397	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 218/150	Title: Engine mounting 11173900



Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20723978	1							Bracket		
2	VOE20723984	1							Bracket		

Date: 2014/2/24	Image id: 1022037	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 221/100	Title: Lubricating oil system



Volvo Construction
Equipment
1022037

Section option	Kit	Option description
VOE11173900		Engine VOLVO D7D LBE2

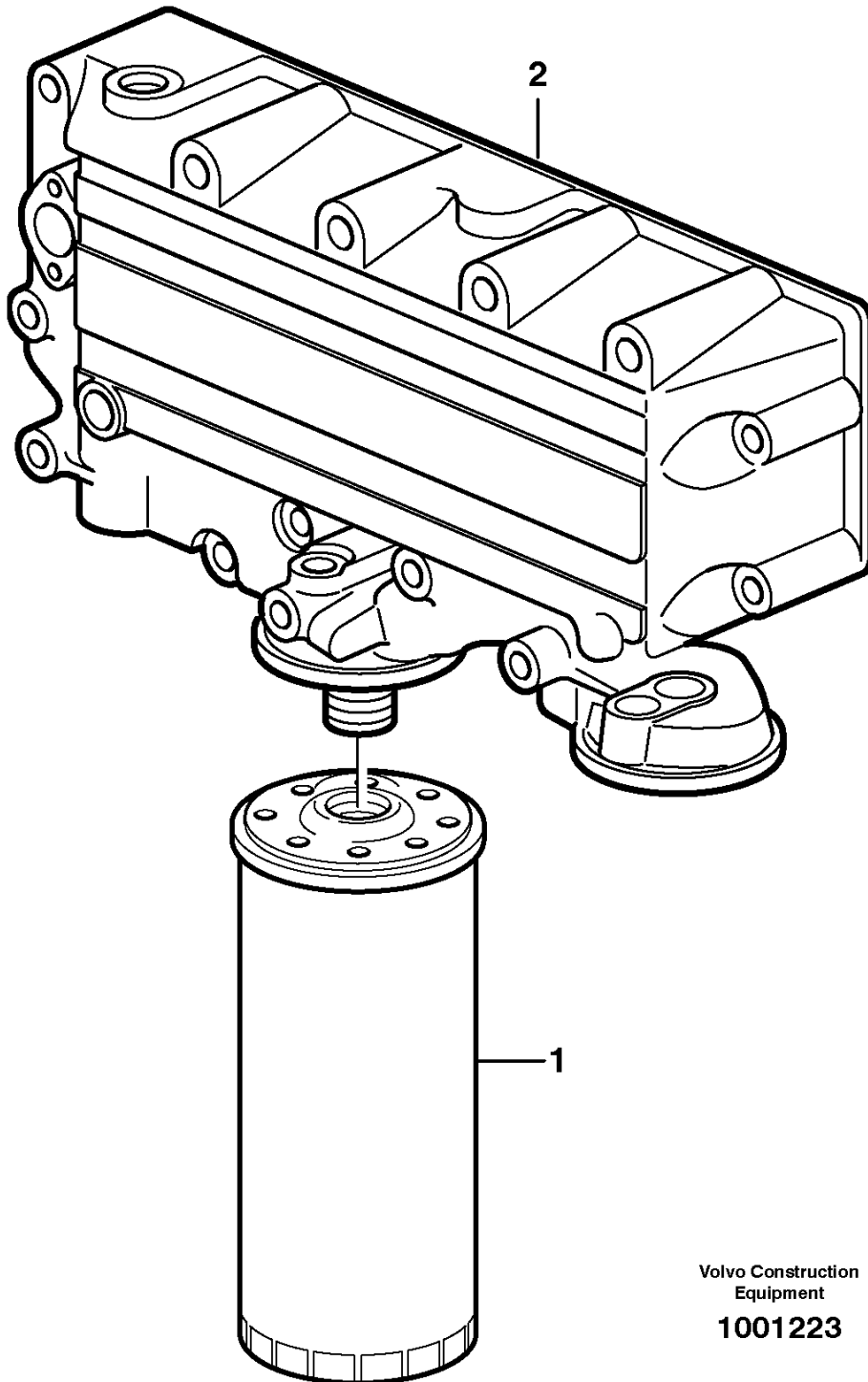
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20450878	1					SS		Intake pipe		ENG - 760674
1A	VOE20544517	1							Suction pipe		ENG 760675 - 873166
	VOE20570070	1							Suction pipe		ENG 873167 -
2	VOE20405888	1							Gasket		(VOE11700391)
3	VOE13949578	2							Screw		(VOE20441520)ENG - 873166
	VOE13949578	4							Screw		ENG 873167 -
4	VOE20450881	1					NS		Bracket		
5	VOE20405792	1							Screw		
6	VOE13949578	1							Screw		(VOE20441520)
7	VOE11700265	1					SS		Gasket		

8	VOE20405603	1							Spring pin		
9	VOE20524412	1							Front Cover		ENG - 01099468 3 HEADS
9	VOE20875082	1							Service cover		ENG 01099469 - 6 HEADS
10	VOE20412568	1							•Sealing ring		
11	VOE20451738	8							•Screw		
12	VOE20412324	14							Screw		
13	VOE11700271	1							Delivery valve		
14	VOE20405896	1							•Compression spring		
15	VOE20405936	1					OP		•Valve		
16	VOE20405937	1							•Sleeve		
17	VOE20405904	1							•Ring		
18	VOE20405561	6							Piston		
19	VOE20567652	1							Plate		
20	VOE20405885	8							Screw		
21	VOE20570025	4							Screw		

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Date: 2014/2/24	Image id: 1001223	Catalogue: 20014	Model: L110E
Brand: Volvo	Serial: 1002-2165, 60001-60631, 70201-70257	Group/Section: 222/100	Title: Oil filter



Volvo Construction
Equipment
1001223

Section option	Kit	Option description
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