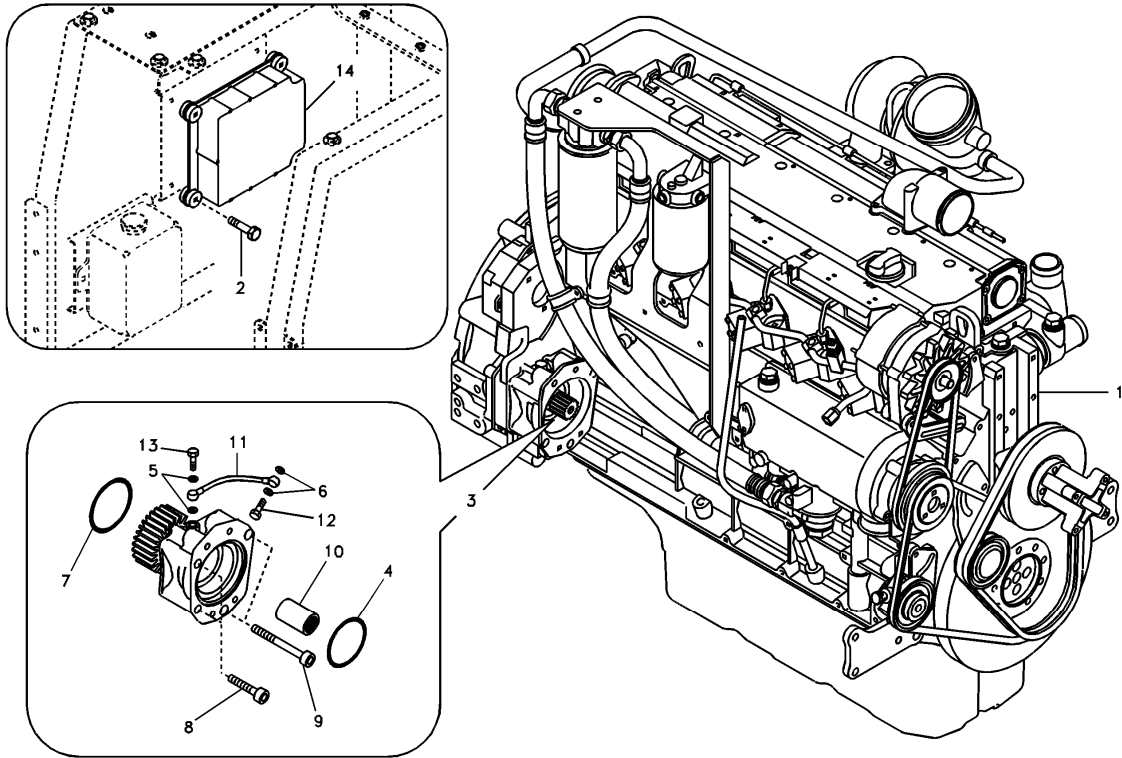


Date: <b>2013/11/22</b>	Image id: <b>1015396</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>210/100</b>	Title: <b>Engine</b>



Volvo Construction  
Equipment  
1015396

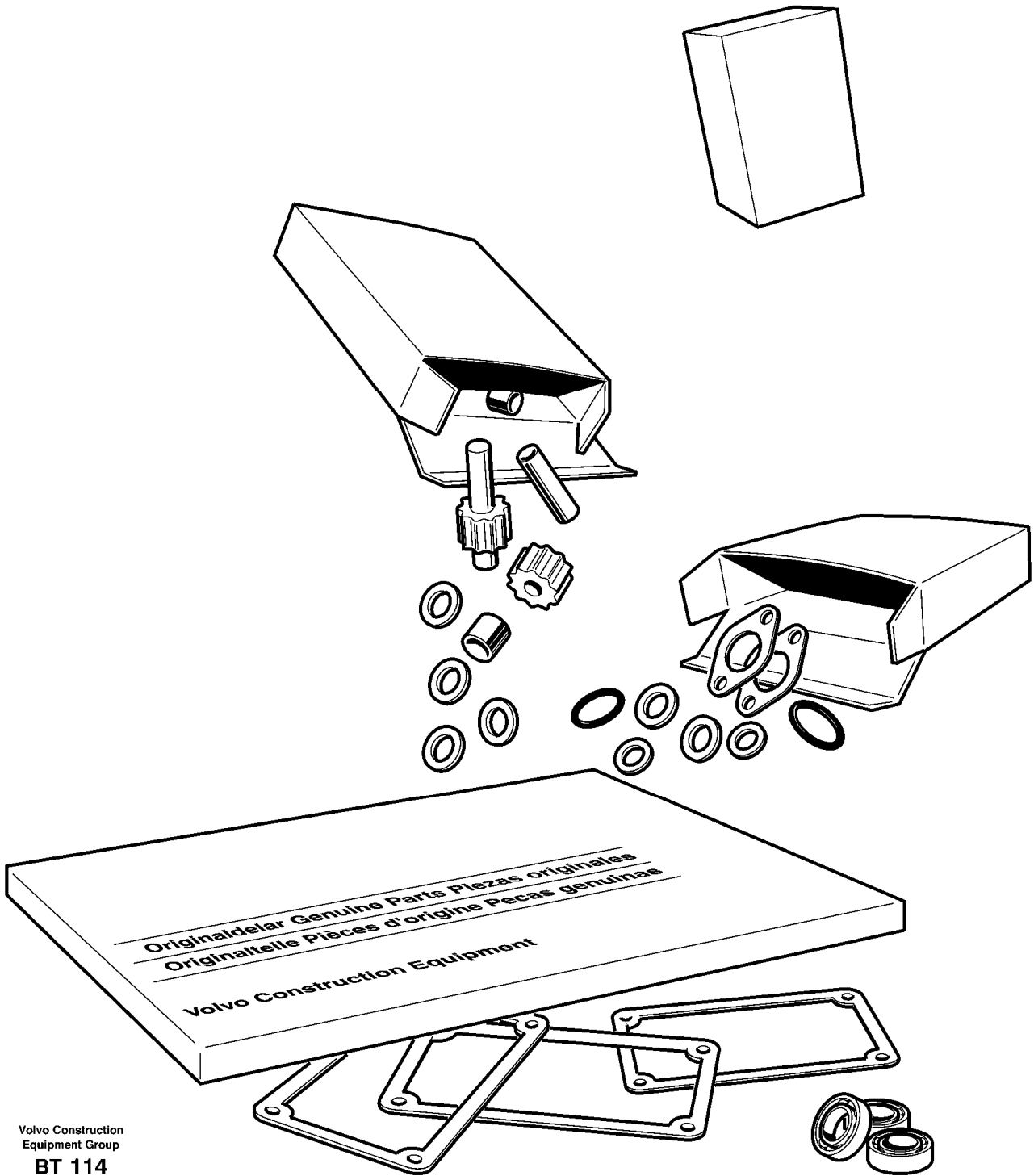
Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8277541	VOE14515977	Leak-off line for slope-rotator on basic machine
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	

Q5 8277541	VOE8277541	Leak-off line for slope-rotator on basic machine	
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Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE14500386	1							Engine		SER NO 10001-10972
	VOE14500386		1						Engine		SER NO 10973-
	VOE14519199			1					Engine		SER NO 10973-
	VOE14519200				1				Engine		SER NO 10973-
2	VOE983245	4	4	4	4				Hexagon screw		
3	VOE20478271					1			Power Take-off		(VOE14510895)
4	VOE20450819					1			•O-ring		(VOE11173158)
5	VOE13947281					2			•Gasket		
6	VOE13947621					2			•Plane gasket		
7	VOE20450818					1			•O-ring		
8	VOE20450820					2			•Screw		
9	VOE20450821					2			•Screw		
10	VOE20459123					1			•Sleeve		
11	VOE20450980					1			•Oil line		
12	VOE7025167					1			•Hollow screw		(VOE20460231)
13	VOE20460289					1			•Hollow screw		
14	VOE3161983		1						ECU		SER NO 12253-12307
	VOE20577135		1				SS		ECU		SER NO 12308-
	VOE3161983			1					ECU		SER NO 12253-12253
	VOE20577135			1			SS		ECU		SER NO 12254-
	VOE3161983				1				ECU		SER NO 12253-12301
	VOE20577135				1		SS		ECU		SER NO 12302-

Date: <b>2013/11/22</b>	Image id: <b>BT114</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>210/300</b>	Title: <b>Repair kits for engine</b>



Volvo Construction  
Equipment Group  
**BT 114**

Section option	Kit	Option description
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VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

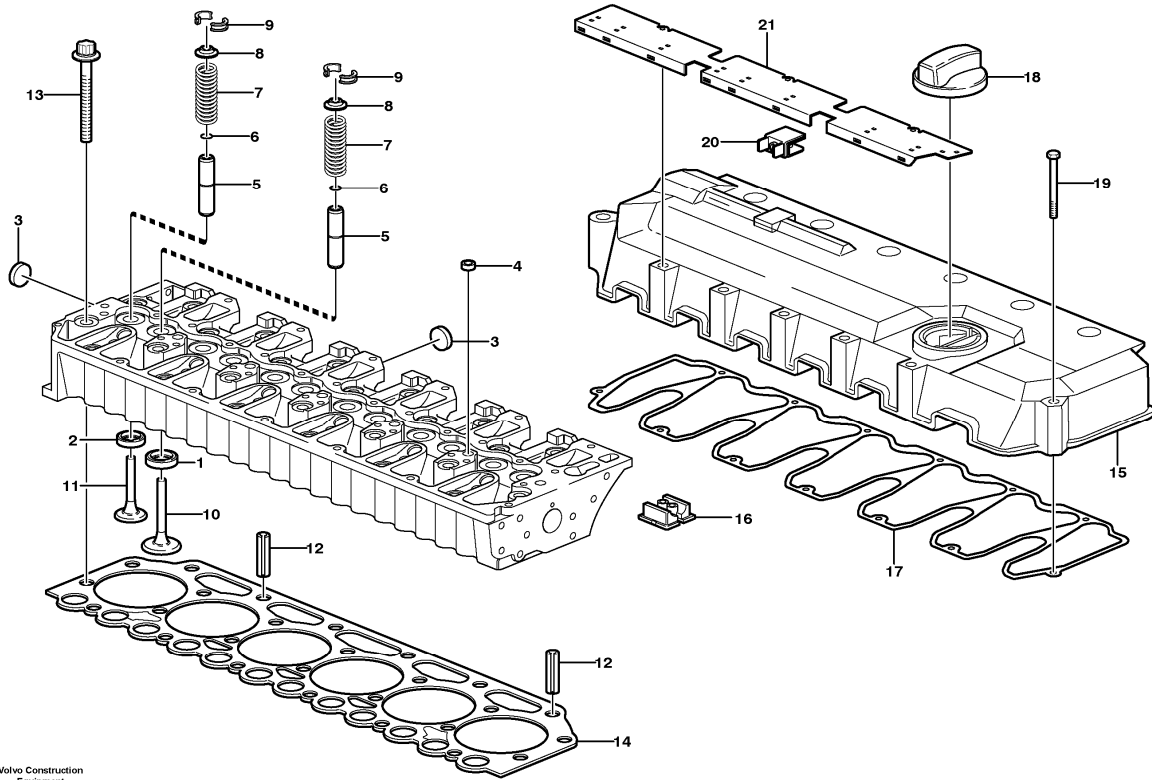
Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE11716552	1	1	1	1				Overhaul kit		See footnote 1339)
	VOE11700284	6	6	6	6				•Bearing bushing		
	VOE11700285	1	1	1	1				•Bearing bushing		
	VOE11700426	6	6	6	6				•Sealing ring		
	VOE13947282	6	6	6	6				•Gasket		
	VOE13947621	16	16	16	16				•Plane gasket		
	VOE13947622	2	2	2	2				•Plane gasket		
	VOE13947624	1	1	1	1				•Plane gasket		
	VOE13947625	2	2	2	2				•Plane gasket		
	VOE13947628	15	15	15	15				•Plane gasket		
	VOE20405569	2	2	2	2				•Sealing		
	VOE20405578	3	3	3	3				•Sealing ring		
	VOE20405595	1	1	1	1				•Gasket		
	VOE20405599	1	1	1	1				•Sealing ring		
	VOE20405613	2	2	2	2				•Gasket		
	VOE20405691	1	1	1	1				•Gasket		
	VOE20405747	1	1	1	1				•Gasket		
	VOE20405790	1	1	1	1				•Gasket		
	VOE20405822	2	2	2	2				•Sealing ring		
	VOE20405825	1	1	1	1				•Gasket		
	VOE20405888	1	1	1	1				•Gasket		
	VOE20405915	1	1	1	1				•Gasket		
	VOE20405969	1	1	1	1				•Gasket		
	VOE20412286	1	1	1	1				•Sealing ring		
	VOE20412325	4	4	4	4				•Sealing ring		
	VOE20412343	1	1	1	1				•Sealing ring		
	VOE20412359	1	1	1	1				•Sealing ring		
	VOE20412568	2	2	2	2				•Sealing ring		
	VOE20412762	12	12	12	12				•O-ring		
	VOE20450890	2	2	2	2				•Sealing ring		
	VOE20450903	1	1	1	1				•Sealing ring		
	VOE20450993	1	1	1	1				•Sealing ring		

VOE20459065	1	1	1	1				•Sealing ring		
VOE20459904	1	1	1	1				•Sealing ring		
VOE20459961	1	1	1	1				•Sealing ring		
VOE20460026	2	2	2	2				•Sealing ring		
VOE20460073	12	12	12	12				•O-ring		
VOE20504411	6	6	6	6				•Sealing ring		
VOE20742661	1	1	1	1				•Gasket		
VOE20881400	6	6	6	6				•Shim		
VOE976929	7	7	7	7				•Gasket		
VOE11716616	1	1	1	1				•Cylinder head kit		
VOE11700348	12	12	12	12				••O-ring		
VOE20405521	2	2	2	2				••Guide pin		
VOE20405900	1	1	1	1				••Gasket		
VOE20405901	1	1	1	1				••Gasket		
VOE20405902	1	1	1	1				••Gasket		
VOE20412597	1	1	1	1				••Gasket		
VOE20405943	1	1	1	1				••Gasket		
VOE20405938	1	1	1	1				••Connector		
VOE20450675	6	6	6	6				••Pipe		
VOE20557208	6	6	6	6				••Gasket		
VOE20799731	12	12	12	12				••Washer		
VOE20505959	12	12	12	12				••Hexagon nut		
VOE20591706	6	6	6	6				••Gasket		
VOE20405970	1	1	1	1				••Gasket		
VOE20450739	1	1	1	1				••Sealing ring		
VOE20450737	1	1	1	1				••Sealing ring		
VOE20792871	1	1	1	1				••Gasket		
VOE13947281	3	3	3	3				••Gasket		
VOE20854656	6	6	6	6				•Cyl Liner Kit		
	6	6	6	6		NS		••Piston		
VOE20405577	6	6	6	6				•••Gudgeon pin		
VOE20405576	12	12	12	12				•••Retaining ring		
VOE21299547	6	6	6	6				•••Piston ring kit		
	6	6	6	6		NS		••Cylinder Liner		
VOE20412762	12	12	12	12				•••O-ring		

1339) For cylinder head

Date: <b>2013/11/22</b>	Image id: <b>1014455</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>211/100</b>	Title: <b>Cylinder head</b>



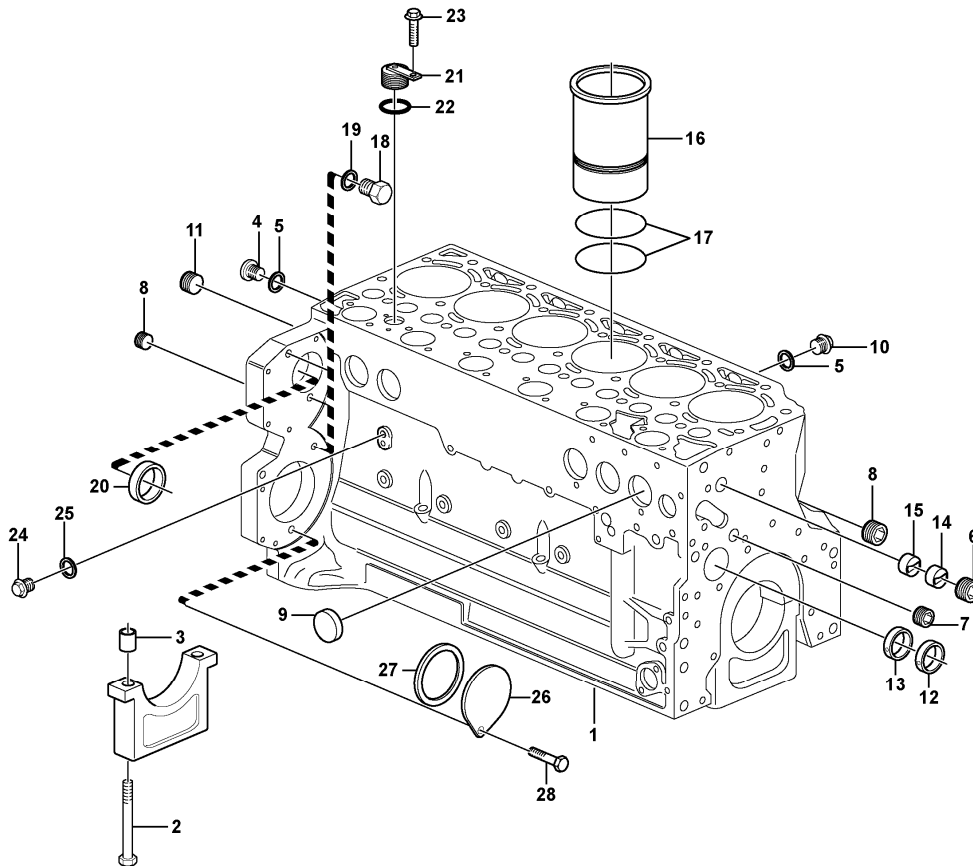
Volvo Construction  
Equipment  
1014455

Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE20489008	1	1	1	1				Cylinder head		
1	VOE20459962	6	6	6	6				•Valve seat		
2	VOE20459963	6	6	6	6				•Valve seat		
3	VOE20412745	5	5	5	5				•Core plug		
4	VOE20412733	5	5	5	5				•Core plug		(VOE11700344)
5	VOE20405897	12	12	12	12				•Valve guide		(VOE11700349)
6	VOE11700348	12	12	12	12				•O-ring		
7	VOE11700347	12	12	12	12				•Valve spring		
8	VOE11700346	12	12	12	12				•Washer		
9	VOE11700345	24	24	24	24				•Valve Collet		
10	VOE20405502	6	6	6	6				•Inlet valve		
11	VOE20405503	6	6	6	6		SS		•Exhaust valve		
12	VOE20405521	2	2	2	2				Guide pin		
13	VOE11700334	26	26	26	26				Screw		
14	VOE20405900	1	1	1	1				Gasket		1.4 MM
	VOE20405901	1	1	1	1				Gasket		1.5 MM
	VOE20405902	1	1	1	1				Gasket		1.6 MM
15	VOE20412599	1	1				SS		Valve cover		ENG S/N -937393
	VOE20412599			1			SS		Valve cover		ENG S/N -937089
	VOE20412599				1		SS		Valve cover		ENG S/N -937065
	VOE20725338		1						Valve Cover		ENG S/N 937394-
	VOE20725338			1					Valve Cover		ENG S/N 937090-
	VOE20725338				1				Valve Cover		ENG S/N 937066-
16	VOE20412600	1	1	1	1				•Cap		
17	VOE20412597	1	1						•Gasket		ENG S/N -937393
	VOE20412597			1					•Gasket		ENG S/N -937089
	VOE20412597				1				•Gasket		ENG S/N -937065
	VOE20725316		1						•Gasket		ENG S/N 937394-
	VOE20725316			1					•Gasket		ENG S/N 937090-
	VOE20725316				1				•Gasket		ENG S/N 937066-
18	VOE20412589	1	1	1	1				•Filler cap		(VOE11700341)
19	VOE20412601	13	13	13	13				•Screw		
20	VOE20450956	1	1	1	1				Cable clamp		
21	VOE20450954	1	1	1	1				Cover plate		

Date: <b>2013/11/22</b>	Image id: <b>1020762</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>212/100</b>	Title: <b>Cylinder block</b>



Volvo Construction  
Equipment  
1020762

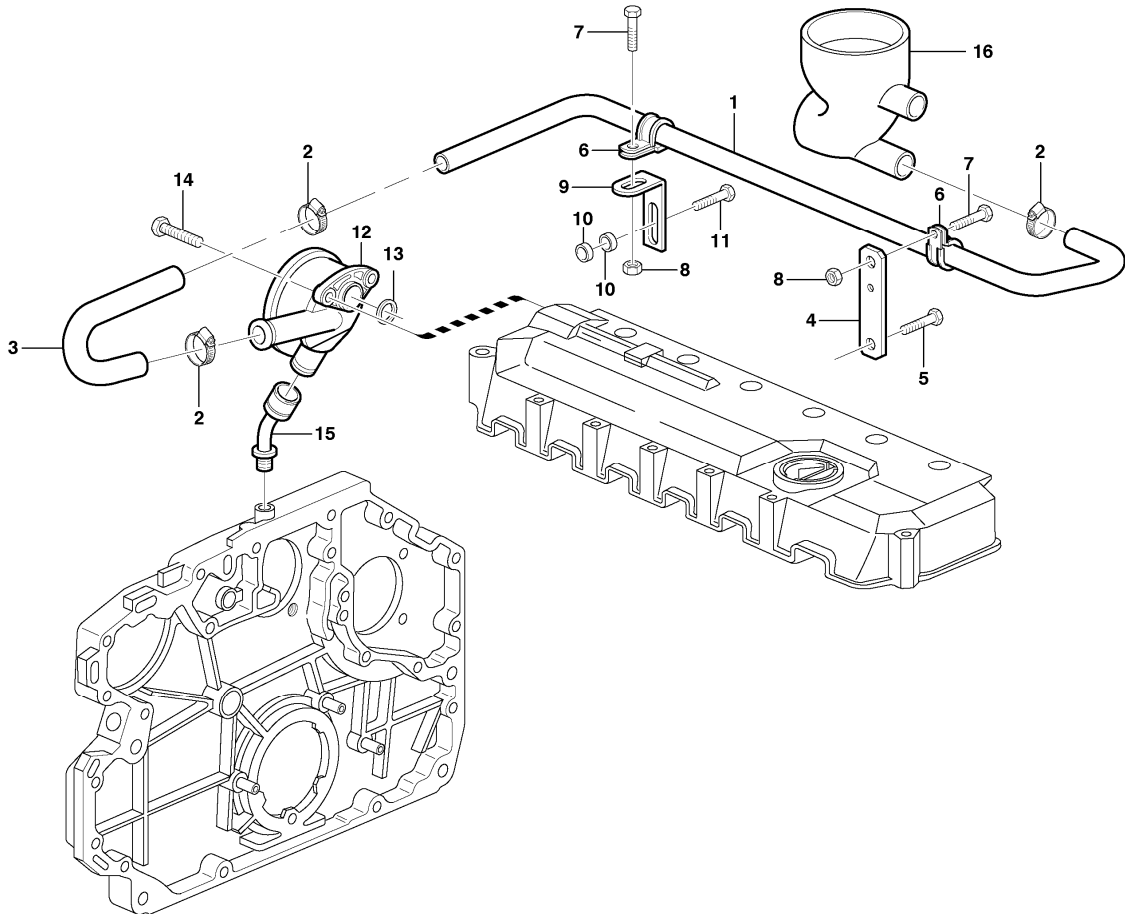
Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20450768	1	1	1	1		SS		Crankcase		ENG SER NO -779906
	VOE20544667	1	1	1	1				Cylinder Block		ENG SER NO 779907-
2	VOE20405583	14	14	14	14				•Bolt		
3	VOE11700278	14	14	14	14				•Bushing		
4	VOE945065	2	2	2	2				•Plug		
5	VOE976929	4	4	4	4				•Gasket		
6	VOE20405717	1	1	1	1				•Plug		OD = 30 MM
7	VOE20405719	1	1	1	1				•Plug		OD = 22 MM
8	VOE20405718	2	2	2	2				•Plug		OD = 14 MM
9	VOE20405721	10	10	10	10				•Core plug		(VOE11700286)
10	VOE20405716	2	2	2	2				•Plug		
11	VOE20785813	1	1	1	1				•Plug		OD = 22 MM
12	VOE11700284	6	6	6	6				•Bearing bushing		
13	VOE11700285	1	1	1	1				•Bearing bushing		
14	VOE20405584	1	1	1	1				•Guide sleeve		
15	VOE20405906	1	1	1	1				•Guide sleeve		
16	VOE20450770	6	6	6	6				•Cylinder liner		
17	VOE20412762	12	12	12	12				••O-ring		
18	VOE20441859	3	3	3	3				Plug		(VOE20532680)
19	VOE13947281	3	3	3	3				Gasket		
20	VOE20450778	1	1	1	1				Core plug		
21	VOE20702078	1	1	1	1				Plug		ENG - 01047118
	VOE20758137	1	1	1	1				Plug		ENG 01047119 -
22	VOE20405728	1	1	1	1				•Sealing ring		
23	VOE20711881	1	1	1	1				Screw		
24	VOE20405716	1	1	1	1				Plug		
25	VOE13947621	1	1	1	1				Plane gasket		
26	VOE24426064	1	1	1	1				Cover		
27	VOE20412359	1	1	1	1				Sealing ring		
28	VOE888289	2	2	2	2				Hexagon screw		

Date: <b>2013/11/22</b>	Image id: <b>1000524</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>212/300</b>	Title: <b>Crankcase ventilation</b>

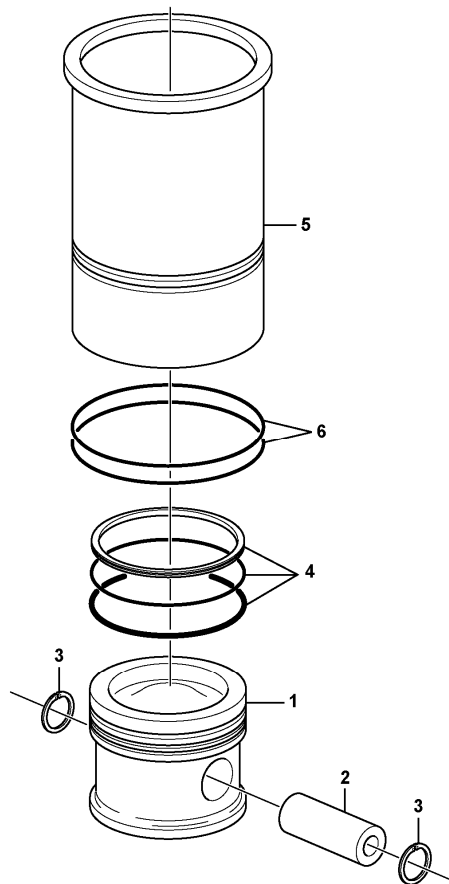


Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20498075	1	1	1	1				Breather Pipe		
2	VOE20405755	3	3	3	3				Clamping band		
3	VOE20405629	1	1	1	1				Hose		
4	20450724	1	1	1	1		NS		Bracket		
5	VOE20412324	1	1	1	1				Screw		
6	VOE20405532	2	2	2	2				Clamp		(VOE20405532)
7	VOE20405885	2	2	2	2				Screw		
8	VOE20405733	2	2	2	2				Hexagon nut		
9	VOE20450726	1	1	1	1				Bracket		
10	VOE20450730	2	2	2	2				Bushing		
11	VOE20405792	1	1	1	1				Screw		
12	VOE20412322	1	1	1	1				Pressure regulator		
13	VOE20405943	1	1	1	1				•Gasket		
14	VOE20450728	2	2	2	2				Bolt		
15	VOE20405938	1	1	1	1				Connector		

Date: <b>2013/11/22</b>	Image id: <b>1019005</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>213/100</b>	Title: <b>Cylinder liner and piston</b>



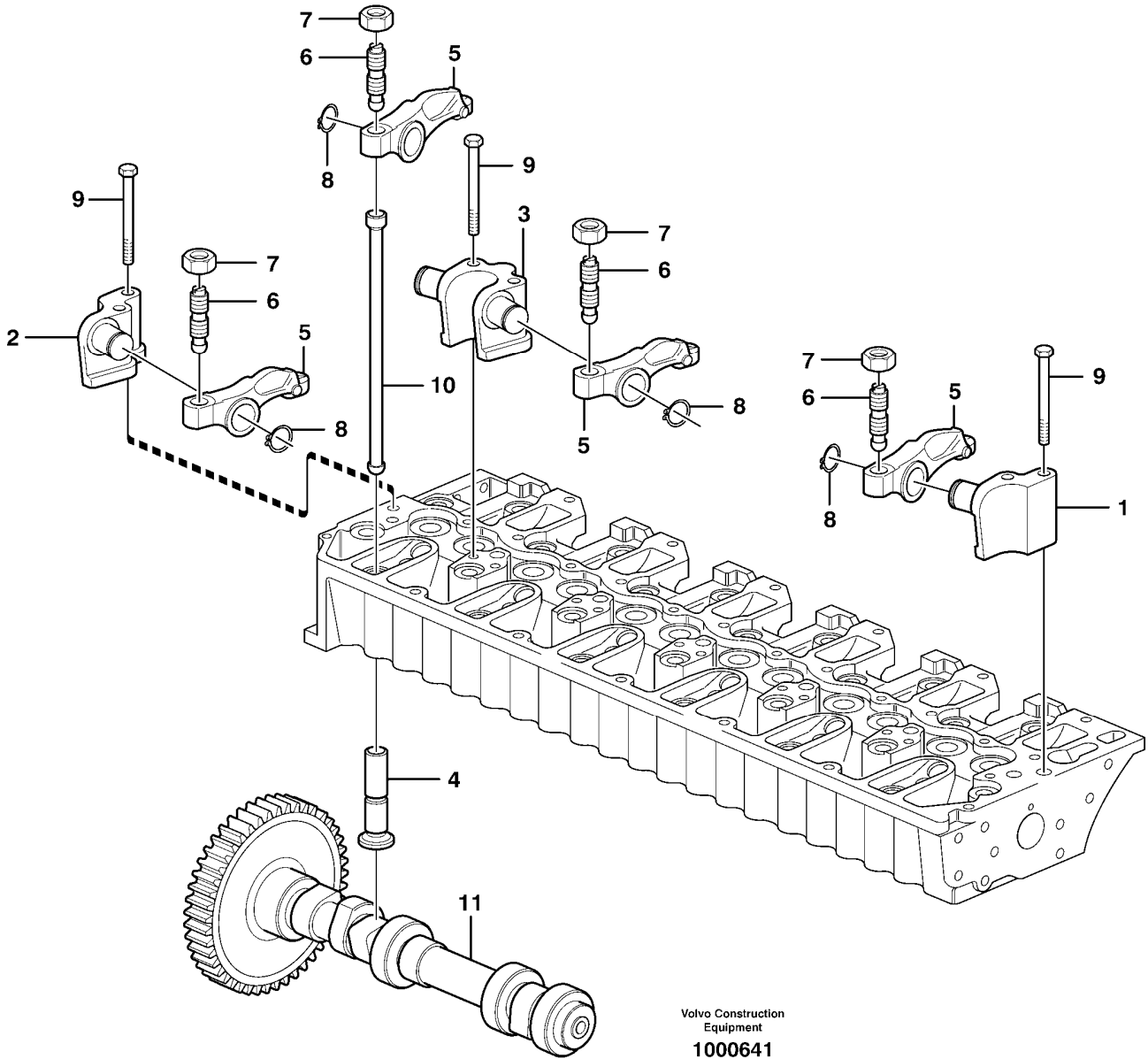
Volvo Construction  
Equipment  
1019005

Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE20854656	6	6	6	6				Cyl Liner Kit		
1		6	6	6	6		NS		•Piston		
2	VOE20405577	6	6	6	6				••Gudgeon pin		
3	VOE20405576	12	12	12	12				••Retaining ring		
4	VOE21299547	6	6	6	6				••Piston ring kit		
5		6	6	6	6		NS		•Cylinder Liner		See ref 212/100
6	VOE20412762	12	12	12	12				••O-ring		

Date: <b>2013/11/22</b>	Image id: <b>1000641</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>214/100</b>	Title: <b>Valve mechanism</b>



Volvo Construction  
Equipment  
**1000641**

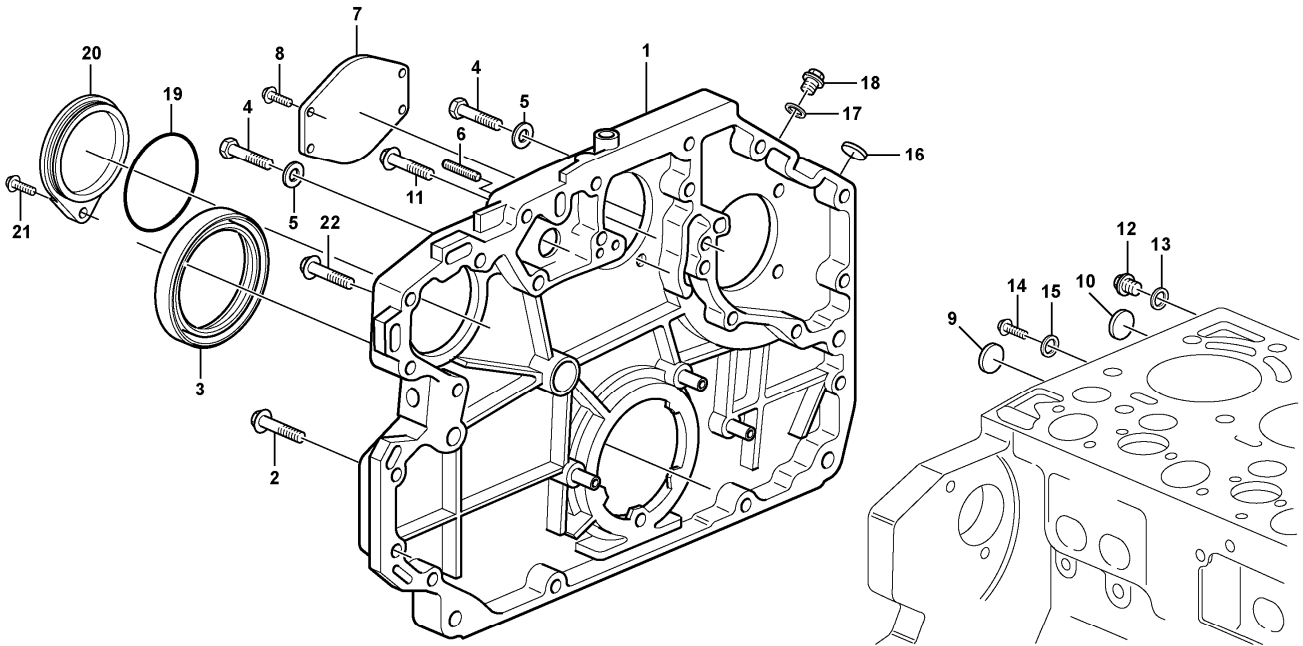
Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1	8277459 S/N	VOE8277459	Basic Machine EC290B

-10972		
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11700367	1	1	1	1				Bearing bracket		
2	VOE11700369	1	1	1	1				Bearing bracket		
3	VOE11700368	5	5	5	5				Bearing bracket		
4	VOE11700366	12	12	12	12				Tappet		
5	VOE11700370	12	12	12	12				Rocker arm		
6	VOE20405524	12	12	12	12				Screw		
7	VOE11700373	12	12	12	12				Nut		
8	VOE945495	12	12	12	12				Retaining ring		
9	VOE20555068	14	14	14	14				Screw		
10	VOE20405534	12	12	12	12				Push rod		
11	VOE20544668	1	1	1	1		SS		Camshaft		ENG - 01099467
11	VOE21277069	1	1	1	1				Camshaft		(VOE20909235)ENG 01099468 -

Date: <b>2013/11/22</b>	Image id: <b>1020934</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>215/100</b>	Title: <b>Timing gear casing</b>



Volvo Construction  
Equipment  
1020934

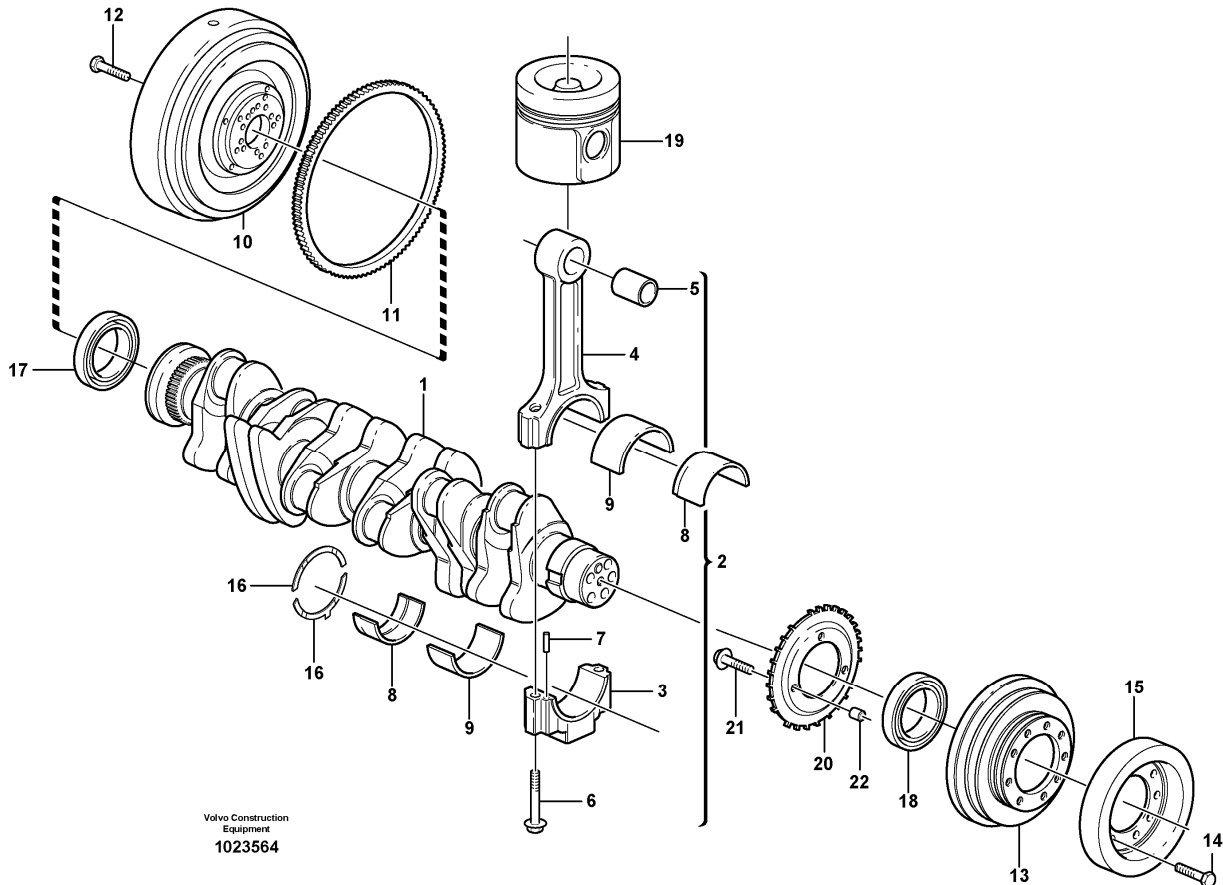
Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21077860	1	1	1	1				Cover		
2	VOE20412324	12	12	12	12				Screw		
3	VOE20412286	2	2	2	2				Sealing ring		
4	VOE20534597	2	2	2	2				Screw		
5	VOE13955900	2	2	2	2				Washer		
6	VOE20450795	1	1	1	1				Set screw		
7	VOE20450799	1	1	1	1				Cover		
8	VOE20405709	4	4	4	4				Screw		
9	VOE20412745	1	1	1	1				Core plug		
10	VOE20490808	1	1	1	1				Cover		
11	VOE20450801	1	1	1	1				Screw		
12	VOE945065	1	1	1	1				Plug		
13	VOE13947621	1	1	1	1				Plane gasket		
14	VOE20405898	1	1	1	1				Screw		
15	VOE20460087	1	1	1	1				Washer		
16	VOE20405605	1	1	1	1				Cover		
17	VOE13947621	1	1	1	1				Plane gasket		
18	VOE20451012	1	1	1	1				Screw		
19	VOE20405652	1	1	1	1				Sealing ring		
20	VOE20706651	1	1	1	1				Cover		
21	VOE20450802	1	1	1	1				Screw		
22	VOE20405709	1	1	1	1				Screw		

Date: <b>2013/11/22</b>	Image id: <b>1023564</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>216/100</b>	Title: <b>Crankshaft and related parts</b>

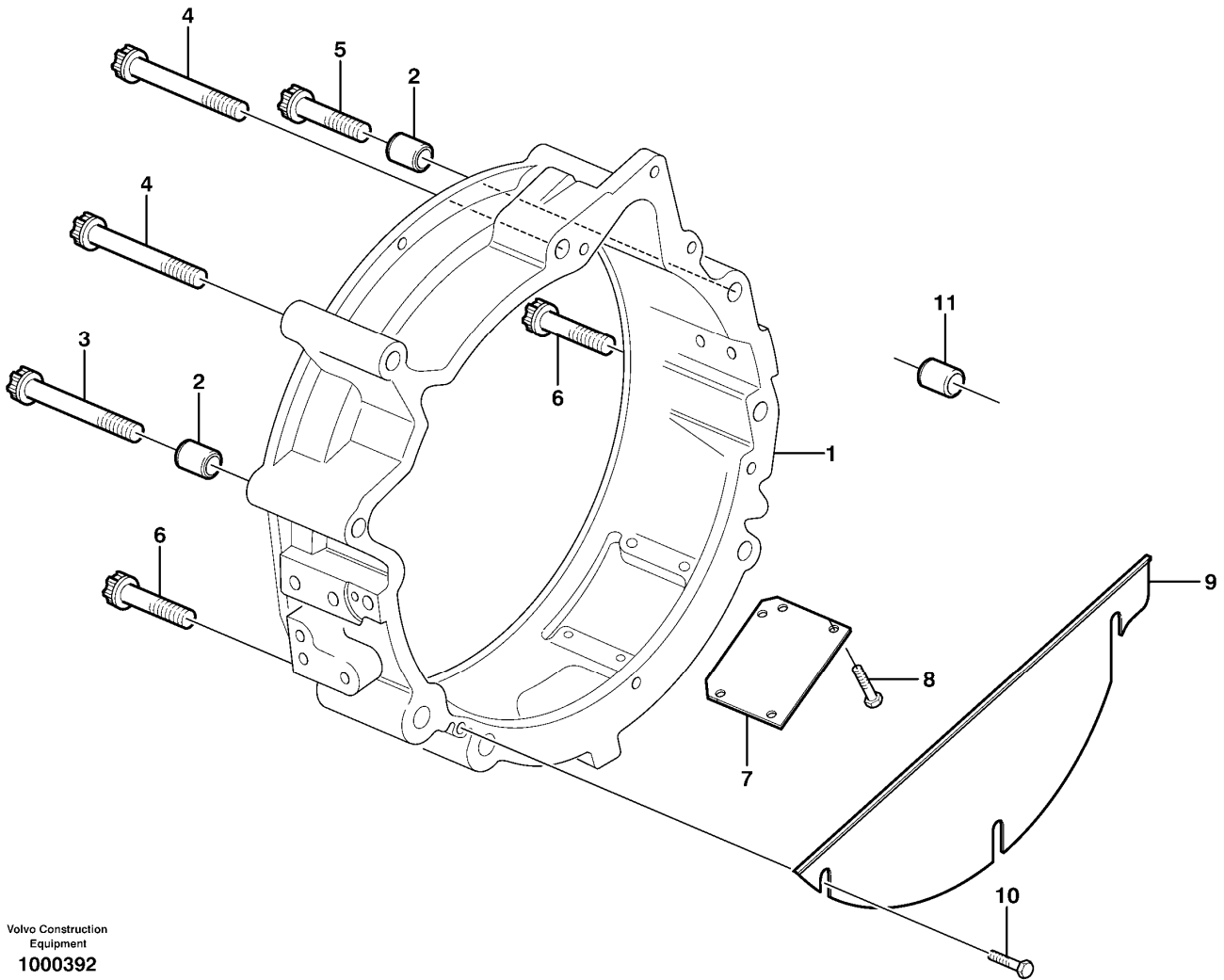


Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20724015	1	1	1	1		SS		Crankshaft		
2	VOE11700324	6	6	6	6		SS		Connecting rod		ENG - 09/2004
2	VOE20585982	6	6	6	6				Connecting Rod		(VOE11700324)ENG 10/2004 -
3	VOE20405894	6	6	6	6		NS		•Bearing Cap		
4	VOE20405893	6	6	6	6		NS		•Connecting Rod		
5	VOE11700325	6	6	6	6				•Bushing		
6	VOE11700326	12	12	12	12				•Bolt		
7	VOE11700327	12	12	12	12		SS		•Locating pin		
8	VOE21141948	7	7	7	7				Main bearing		(VOE11700311)STD 85,00 MM
8	VOE21234191	REQ	REQ	REQ	REQ				Main bearing		(VOE20405529)U SZ = 84,75MM
8	VOE20405541	REQ	REQ	REQ	REQ				Main bearing		U SZ = 84,50MM
9	VOE20565150	6	6	6	6				Bearing		STD 68,00 MM ENG - 09/2004
	VOE20717211	6	6	6	6				Big-end Bearing		U SZ 67,75 MM ENG - 09/2004
	VOE20565188	6	6	6	6				Big-end Bearing		U SZ 67,50 MM ENG - 09/2004
	VOE20766790	6	6	6	6				Big-end Bearing		STD 68,00 MM ENG 10/2004 -
	VOE20790423	6	6	6	6				Big-end Bearing		U SZ 67,75 MM ENG 10/2004 -
	VOE20790428	6	6	6	6				Big-end Bearing		U SZ 67,50 MM ENG 10/2004 -
10	VOE20527044	1	1	1	1				Flywheel		
11	VOE20450826	1	1	1	1				•Gear		
12	VOE20405654	10	10	10	10				Bolt		
13	VOE20450847	1	1	1	1				Pulley		(VOE20450845)
14	VOE20450849	9	9	9	9				Screw		
15	VOE20450839	1	1	1	1				Vibration damper		
16	VOE20405899	1	1	1	1				Thrust washer		(VOE11700314)STD 2,9 MM
17	VOE20412286	1	1	1	1				Sealing ring		
18	VOE20412568	1	1	1	1				Sealing ring		
19		1	1	1	1				Piston		
20	VOE20450836	1	1	1	1				Lock washer		
21	VOE888289	3	3	3	3				Hexagon screw		(VOE11709826)
22	VOE20450838	3	3	3	3				Pin		

Date: <b>2013/11/22</b>	Image id: <b>1000392</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>216/200</b>	Title: <b>Flywheel housing</b>



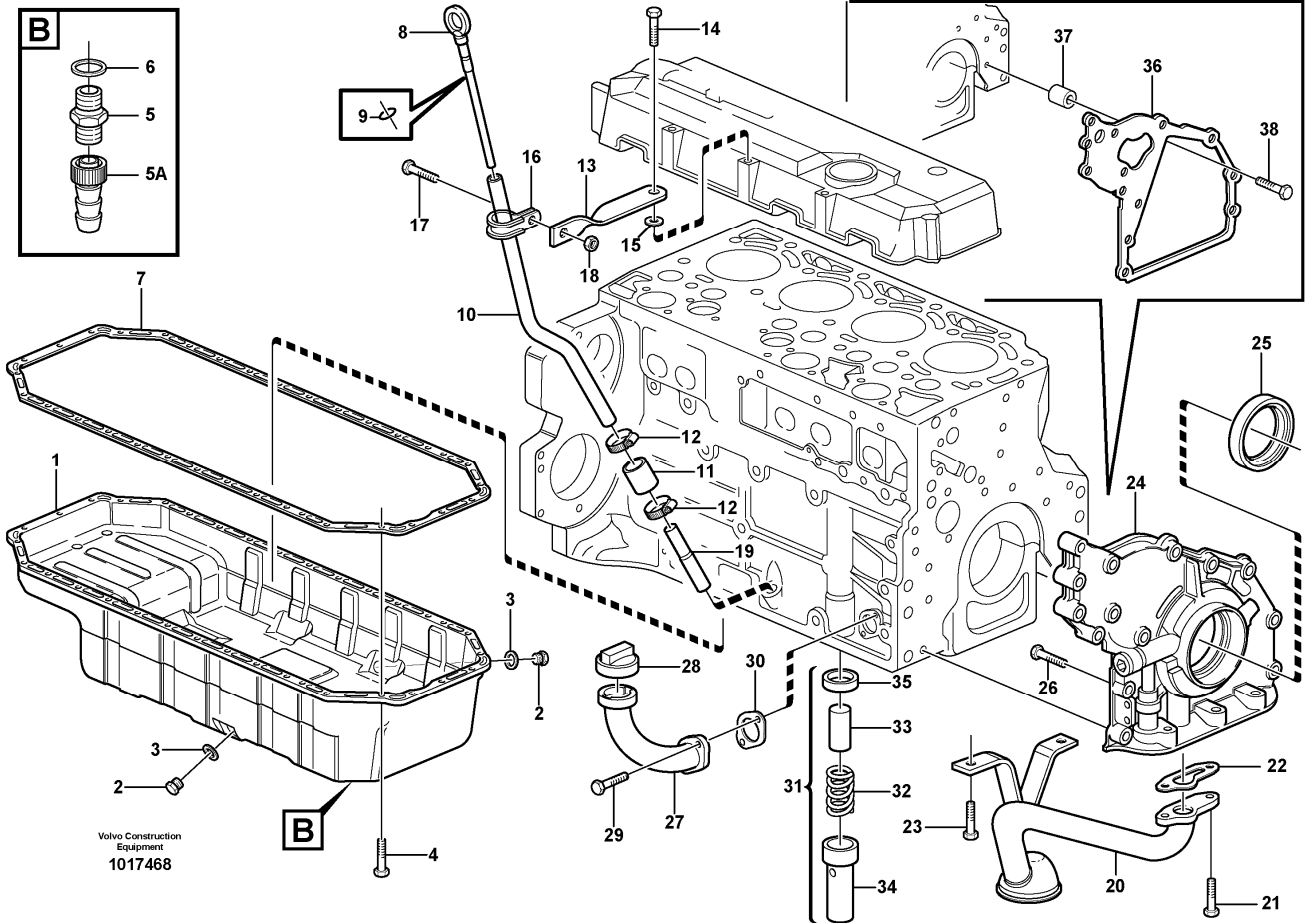
Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	

10973-			
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20450790	1	1	1	1				Flywheel housing		
2	VOE20405887	2	2	2	2				Bushing		
3	VOE20405714	1	1	1	1				Screw		
4	VOE20405715	2	2	2	2				Screw		
5	VOE20405713	1	1	1	1				Screw		
6	VOE20405710	2	2	2	2				Screw		
7	VOE20405648	1	1	1	1				Hatch		
8	VOE13965175	4	4	4	4				Screw		
9	VOE20405542	1	1	1	1				Cover plate		
10	VOE955268	3	3	3	3				Hexagon screw		
11	VOE20405646	2	2	2	2				Bushing		

Date: <b>2013/11/22</b>	Image id: <b>1017468</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>217/100</b>	Title: <b>Oil sump</b>

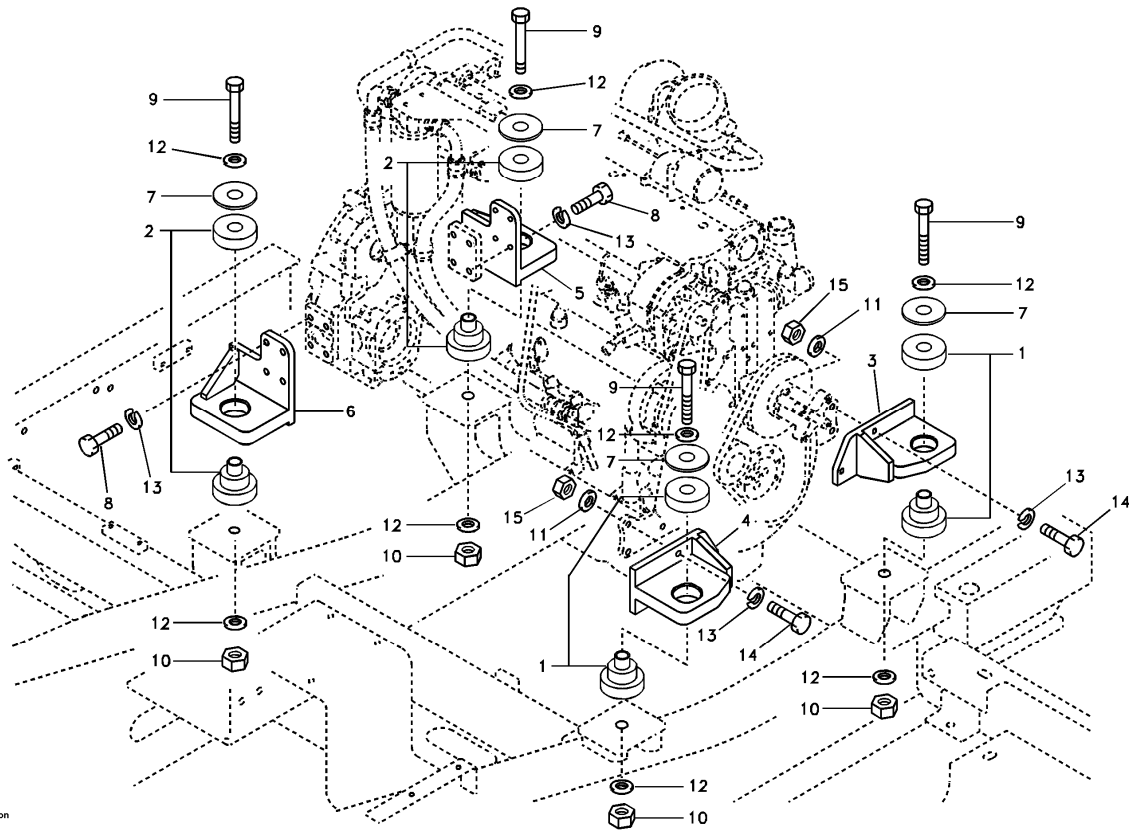


Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	
Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20485257	1	1	1	1		SS		Oil pan		ENG - 01099467
1	VOE20820918	1	1	1	1				Oil Pan		ENG 01099468 -
2	VOE20460024	2	2	2	2				•Plug		
3	VOE20460026	2	2	2	2				•Sealing ring		
4	VOE20405792	34	34	34	34				Screw		
5	VOE20450851	1	1	1	1				Drain valve		
5A	VOE20478246	1	1	1	1				Hose		
6	VOE11700303	1	1	1	1				Seal		(VOE7011998)
7	VOE20405915	1	1	1	1				Gasket		
8	VOE21184833	1	1	1	1				Dipstick		(VOE20450877)
9	VOE20412343	1	1	1	1				•Sealing ring		
10	VOE20450883	1	1	1	1				Guide tube		(VOE20450859)
11	VOE20450861	1	1	1	1				Sleeve		
12	VOE20405664	2	2	2	2				Clip		
13	VOE20450862	1	1	1	1		NS		Bracket		
14	VOE20450864	1	1	1	1				Screw		
15	VOE20450913	1	1	1	1				Washer		(VOE20450865)
16	VOE20450867	1	1	1	1				Clamp		
17	VOE20498205	1	1	1	1				Screw		
18	VOE20405733	1	1	1	1				Hexagon nut		
19	VOE20450869	1	1	1	1				Guide tube		
20	VOE20485259	1	1	1	1				Suction pipe		
21	VOE13949578	2	2						Screw		(VOE20441520)
	VOE13949578			2	2				Screw		
22	VOE20405888	1	1						Gasket		(VOE11700391)
22	VOE20405888			1	1				Gasket		
23	VOE20405792	1	1	1	1				Screw		
24	VOE20524412	1	1	1	1				Front Cover		3 HEADS ENG - 10073796
24	VOE20875082	1	1	1	1				Service cover		6 HEADS ENG 10073797 -
25	VOE20412568	1	1	1	1				•Sealing ring		
26	VOE20451738	8	8	8	8				•Screw		
27	VOE20412347	1	1	1	1				Filler neck		
28	VOE20405835	1	1	1	1				Cap		
29	VOE20405885	2	2	2	2				Screw		
30	VOE20405825	1	1	1	1				Gasket		
31	VOE11700271	1	1	1	1				Delivery valve		
32	VOE20405896	1	1	1	1				•Compression spring		(VOE11700272)
33	VOE11700273	1	1	1	1		NS		•Valve Peg		
34	11700274	1	1	1	1		NS		•Socket		
35	VOE20405904	1	1	1	1				•Ring		(VOE11700275)
36	VOE11700265	1	1	1	1				Gasket		(VOE11708092)
37	VOE20405603	1	1	1	1				Spring pin		
38	VOE20412324	14	14	14	14				Screw		

Date: <b>2013/11/22</b>	Image id: <b>1003480</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>218/100</b>	Title: <b>Engine mount</b>



Volvo Construction  
Equipment  
1003480

Section option	Kit	Option description
VOE8277459		Basic Machine EC290B

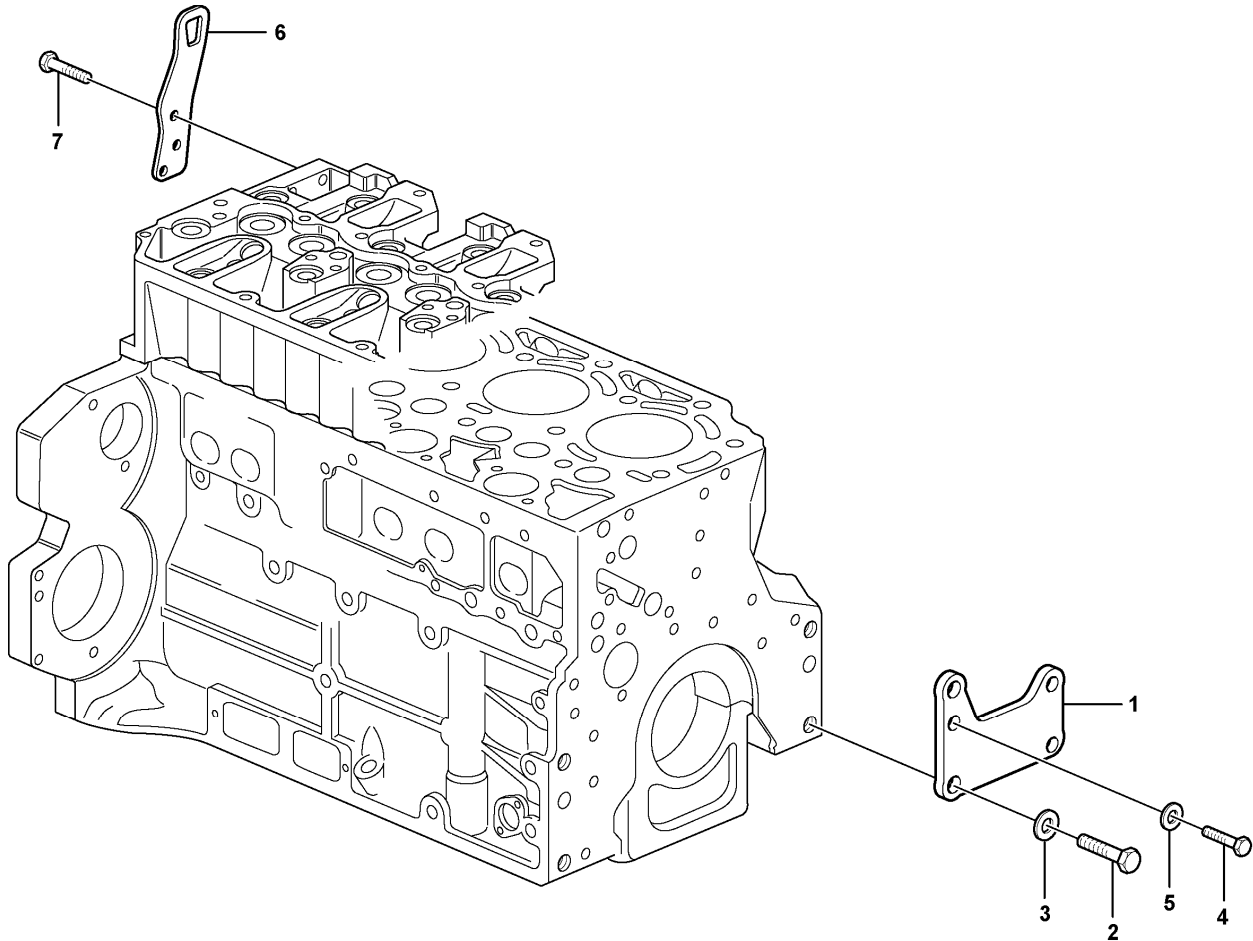
Q1-Q5	Option	Option description
Q1 8277459	VOE8277459	Basic Machine EC290B

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE14528380	2							Cushion		FRT
2	VOE14528381	2							Cushion		RR
3	VOE14501324	1							Bracket		FRT,LH NA ENG:S/N 10001-12500 EU ENG:S/N 10001-12599
	VOE14528910	1							Bracket		FRT LH NA ENG:SER NO 12501- EU ENG:SER NO 12560-
4	VOE14501325	1							Bracket		FRT,RH NA ENG:S/N 10001-12500 EU



	VOE14528911	1							Bracket		ENG:S/N 10001-12599 FRT RH NA ENG:SER NO 12501- EU ENG:SER NO 12560-
5	VOE14501326	1							Bracket		RR,LH
6	VOE14501327	1							Bracket		RR,RH
7	VOE14526169	4							Plate		
8	SA9011-11207	8							Bolt		
9	SA9011-22221	4							Hexagon screw		
10	SA9111-12200	4							Hexagon nut		SER NO 10001-11371 SER NO 30001-30036
	VOE14512933	4							Nut		SER NO 11372- SER NO 30037-
11	SA9211-12000	6							Washer		
12	SA9211-22000	6							Washer		SER NO 10001-10060
	SA9211-22000	8							Washer		SER NO 10061- SER NO 30001-
13	VOE955923	14							Spring washer		
14	VOE978934	6							Hexagon screw		NA ENG:S/N 10001-12500 NA ENG:S/N 10001-12599
	SA9011-21212	6							Hexagon screw		NA ENG:SER NO 12501- EU ENG:SER NO 12560-
15	VOE979019	6							Hexagon nut		

Date: <b>2013/11/22</b>	Image id: <b>1030403</b>	Catalogue: <b>56139</b>	Model: <b>EC290B LC</b>
Brand: <b>Volvo</b>	Serial: <b>10001-13561, 30001-30289</b>	Group/Section: <b>218/200</b>	Title: <b>Engine mounting</b>



Volvo Construction  
Equipment  
1030403

Section option	Kit	Option description
VOE8277459		Basic Machine EC290B
VOE8278906		Engine with Epa label EMISSION CERTIFICATED FROM EPA
VOE8278907		Engine with Eu label EMISSION CERTIFICATED FROM EU
VOE8278908		Engine without Epa label INT AND KOREAN MARKET

Q1-Q5	Option	Option description	
Q1 8277459 S/N -10972	VOE8277459	Basic Machine EC290B	
Q2 8278906 S/N 10973-	VOE8278906	Engine with Epa label EMISSION CERTIFICATED FROM EPA	
Q3 8278907 S/N 10973-	VOE8278907	Engine with Eu label EMISSION CERTIFICATED FROM EU	

Q4 8278908 S/N 10973-	VOE8278908	Engine without Epa label INT AND KOREAN MARKET	
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Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20763662	2	2	2	2				Anchorage		
2	VOE13963313	4	4	4	4				Screw		
3	VOE20405606	4	4	4	4				Washer		
4	VOE20555061	2	2	2	2				Screw		
5	VOE20460868	2	2	2	2				Washer		
6	VOE20450853	1	1	1	1		NS		Lifting eye		
7	VOE20450856	3	3	3	3				Screw		

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