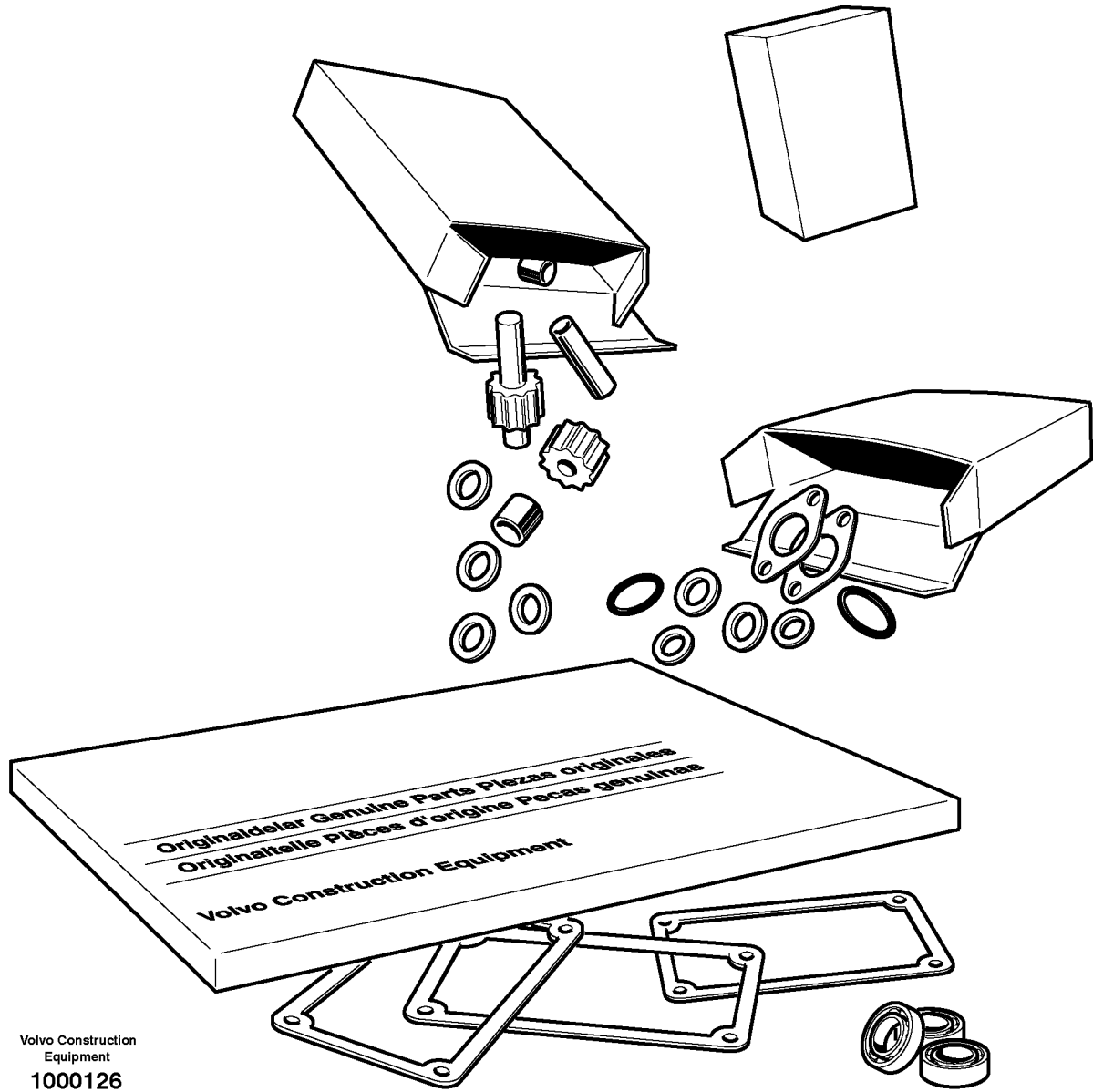


Date: 2013/10/21	Image id: 1000126	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 210/100	Title: Repair kits for engine 11850033, 11850709

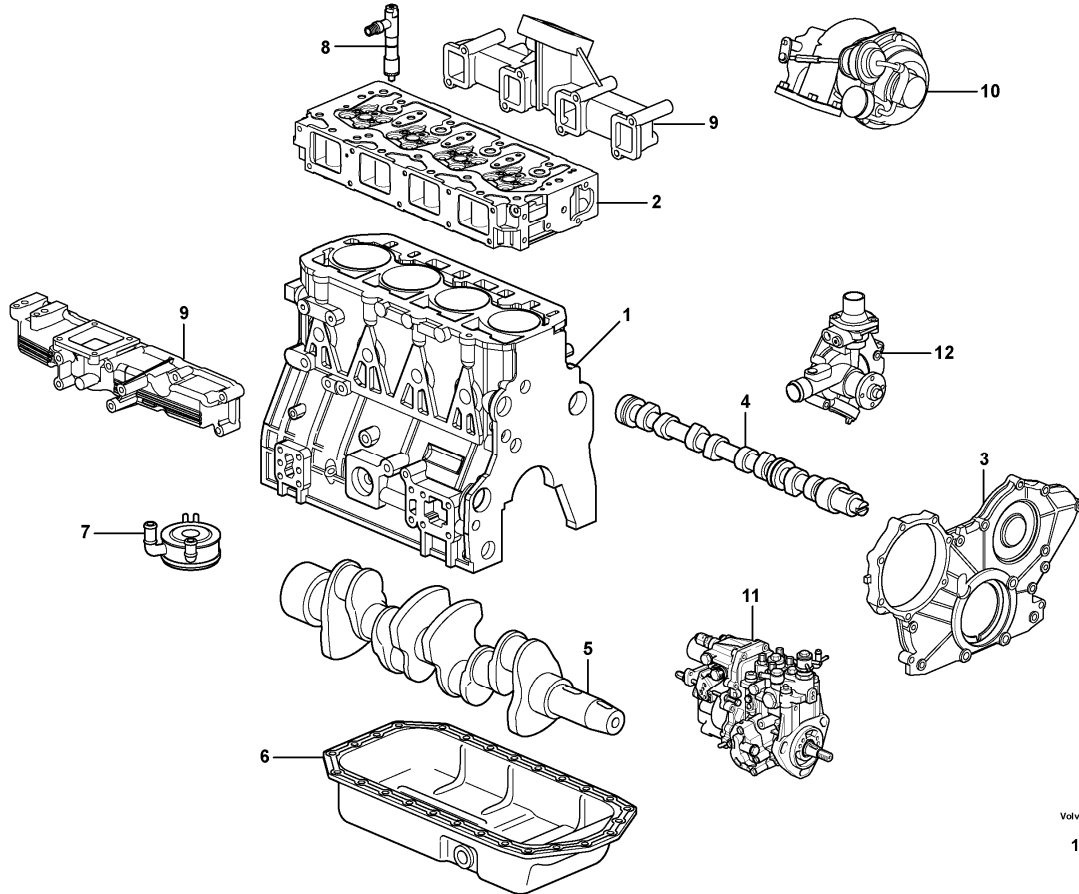


Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE11714955	1							Gasket kit		
	VOE11714424	2							•Sealing ring		
	VOE11714903	1							•Gasket		

	VOE14528171	1					SS		•Cylinder head gasket		
	VOE14521527	8							•Valve seal		
	VOE14521532	4							•Protection		
	VOE11714381	4							•Seat		
	VOE14521552	1							•Gasket		
	VOE14521554	1							•Gasket		
	VOE11714737	1							•Gasket		
	VOE11714835	1							•Gasket		
	VOE14521528	8							•Valve seal		
	VOE11714738	2							•O-ring		
	VOE11714739	1							•O-ring		
	VOE11714879	1							•Gasket		
	VOE11714740	1							•Gasket		
	VOE11714741	1							•Gasket		
	VOE11714875	1							•Gasket		
	VOE11714478	2							•Gasket		
	VOE11714386	8							•O-ring		
	VOE11714371	2							•O-ring		
	VOE11714476	10							•Sealing washer		
	VOE11713639	1							•Sealing		
	VOE14521512	1							•Wrapping		
	VOE11714840	1							•Gasket		
	VOE11714827	1							•Gasket		
	VOE11714892	1							•O-ring		
	VOE11714346	1							•O-ring		
	VOE14521606	5							•Gasket		
	VOE11713783	1							•O-ring		
	VOE11714871	2							•O-ring		

Date: 2013/10/21	Image id: 1018251	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 210/150	Title: Engine



Volvo Construction
Equipment
1018251

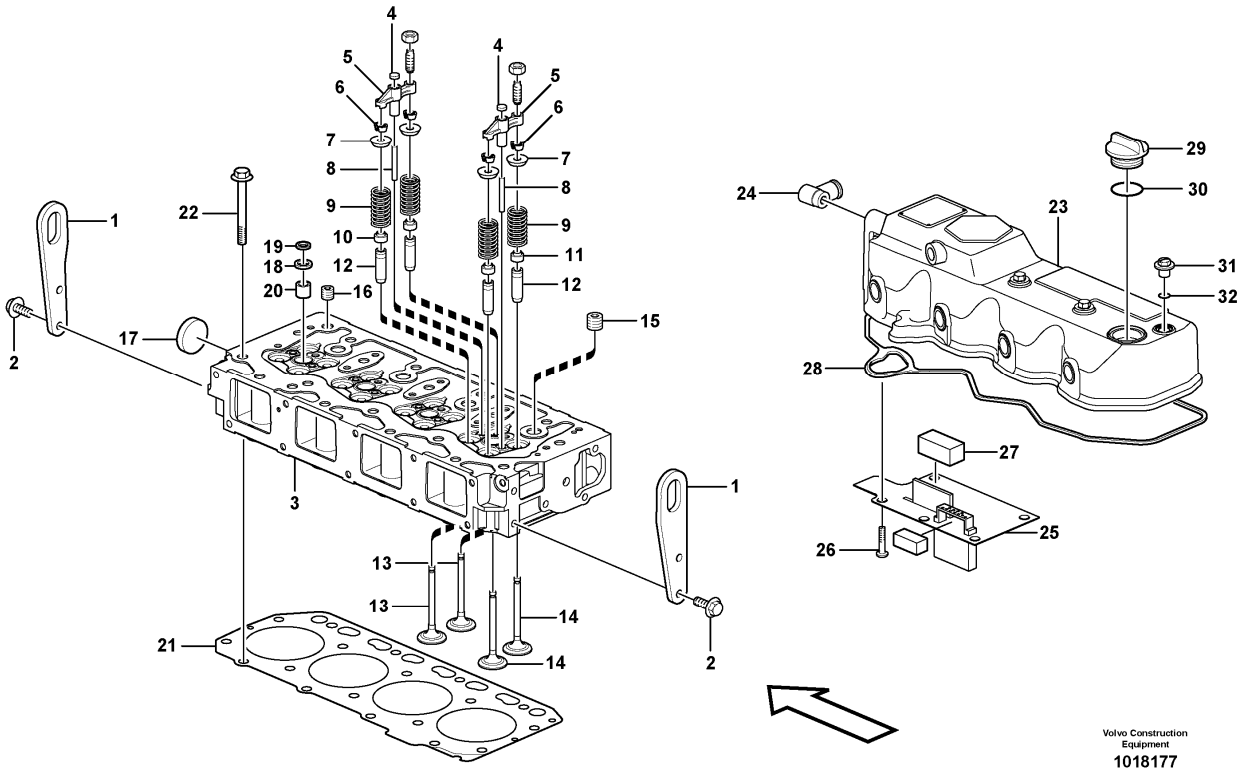
Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf
VOE15628994		Engine WITH OUT EPA/EU T2 LABEL
VOE15628999		Engine WITH OUT EPA/EU T2 LABEL

Q1-Q5	Option	Option description	
Q1 11850033	VOE11850033	Engine	
Q2 11850709	VOE11850709	Engine Hf	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE11850033	1							Engine		
	VOE15628994	1							Engine		
	VOE11850709		1						Engine		
	VOE15628999		1						Engine		

1		1	1						•Cylinder block		See ref 212/100
2		1	1						•Cylinder head		See ref 211/100
3		1	1						•Timing gear casing		See ref 215/100
4		1	1						•Camshaft		See ref 214/100
5		1	1						•Crankshaft		See ref 216/100
6		1	1						•Oil sump		See ref 217/100
7		1	1						•Oil cooler		See ref 220/100
8		4	4						•Injector		See ref 237/100
9		1	1						•Inlet, exhaust syst.		See ref 251/100
10		1	1						•Turbo Charger		See ref 251/100
11		1	1						•Injection Pump		See ref 236/100
12		1	1						•Water Pump		See ref 262/100

Date: 2013/10/21	Image id: 1018177	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 211/100	Title: Cylinder head



Volvo Construction
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1018177

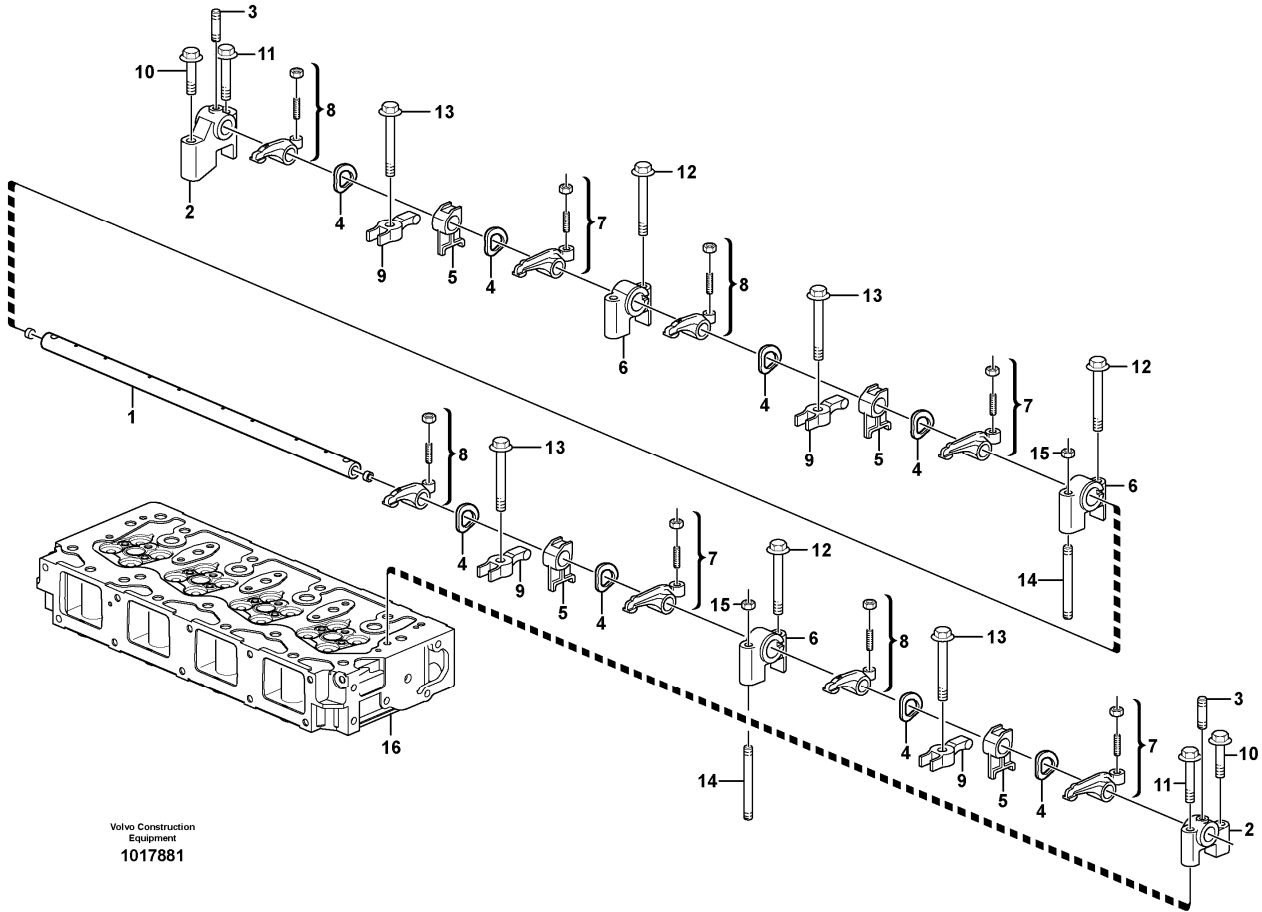
Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf

Q1-Q5	Option	Option description	
Q1 11850033	VOE11850033	Engine	
Q2 11850709	VOE11850709	Engine Hf	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11714768	2	2						Lifting eye		
2	VOE11714372	4	4						Bolt		
3	VOE11714809	1	1						Cylinder head		
4	VOE14521518	8	8						Seat		
5	VOE14521529	8	8						•Valve guide		
5	VOE14521530	8	8						•Screw		

5	VOE11714380	8	8						•Nut		
6	VOE14521531	16	16						•Valve cone		
7	VOE14521526	16	16						•Retainer		
8	VOE14521521	8	8						•Guide		
9	VOE14521525	16	16						•Valve spring		
10	VOE14521528	8	8						•Valve seal		
11	VOE14521527	8	8						•Valve seal		
12	VOE14521518	16	16						•Seat		
13	VOE14521524	8	8						•Exhaust valve		
14	VOE14521523	8	8						•Inlet valve		
15	VOE14521504	4	4						•Plug		
16	VOE14521522	1	1						•Plug		
17	VOE11714379	1	1						•Plug		
18	VOE11714381	4	4						•Seat		
19	VOE11714386	4	4						•O-ring		
20	VOE14521532	4	4						•Protection		
21	VOE14528171	1	1				SS		Cylinder head gasket		
22	VOE11714759	18	18						Screw		
23	VOE11714781	1	1						Valve cover		
24	VOE11714782	1	1				NS		•Connector		
25	VOE11714770	1	1				NS		•Plate		
26	VOE11714720	6	6						•Screw		
27	VOE14521547	1	1						•Baffle		
28	VOE14521552	1	1						•Gasket		
29	VOE11714383	1	1						•Cap		
30	VOE11714371	1	1						•O-ring		
31	VOE11714385	4	4						Flange cap nut		
32	VOE11714386	4	4						O-ring		

Date: 2013/10/21	Image id: 1017881	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 211/200	Title: Valve mechanism



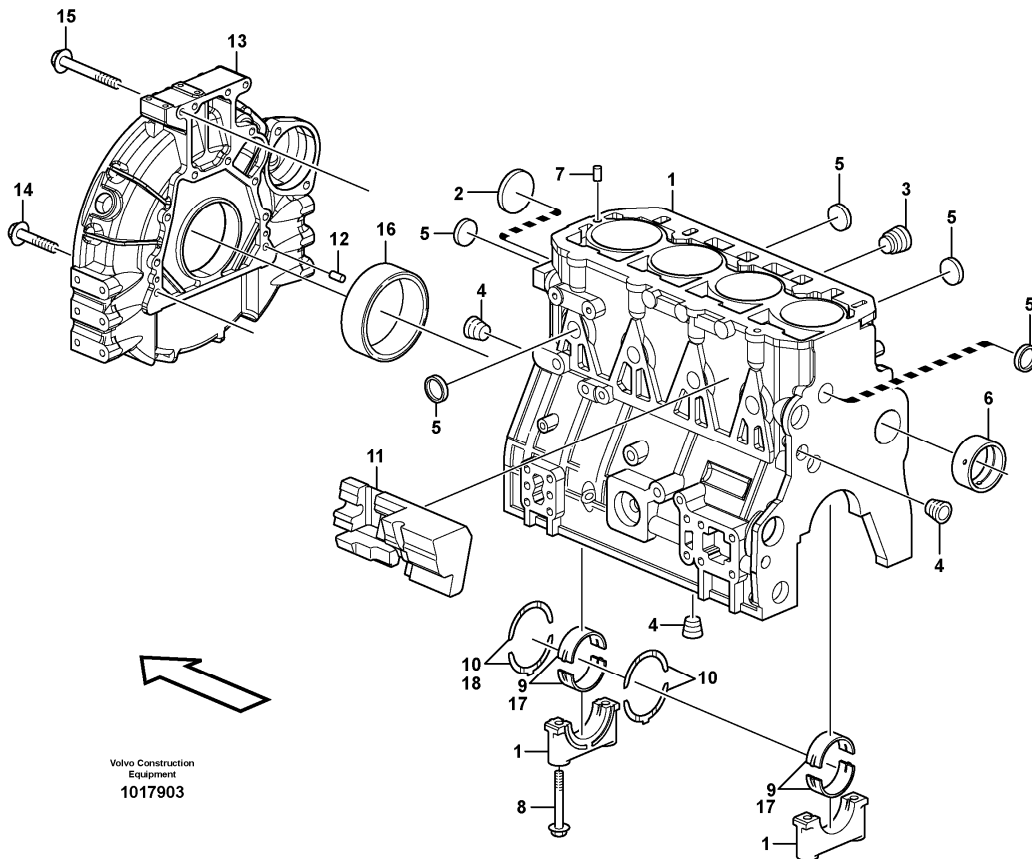
Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf

Q1-Q5	Option	Option description	
Q1 11850033	VOE11850033	Engine	
Q2 11850709	VOE11850709	Engine Hf	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE14525390	1	1						Valve		
1	VOE14521535	1	1						•Rocker arm		
2	VOE14521537	2	2						•Support		
3	VOE14521542	2	2						•Bolt		
4	VOE14521538	8	8						•Spring washer		
5	VOE14525391	4	4						•Retainer		

6	VOE14521536	3	3						•Support		
7	VOE14521539	4	4						•Rocker arm		
8	VOE14521540	4	4						•Rocker arm		
9	VOE14525392	4	4						Retainer		
10	VOE11714487	2	2						Bolt		
11	VOE11714494	2	2						Bolt		
12	VOE11714494	4	4						Bolt		
13	VOE14525393	4	4						Flange screw		
14	VOE14525389	2	2						Bolt		
15	VOE14521543	2	2						Nut		
16		1	1						Cylinder head		See ref 211/100

Date: 2013/10/21	Image id: 1017903	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 212/100	Title: Cylinder block 11850033, 11850709

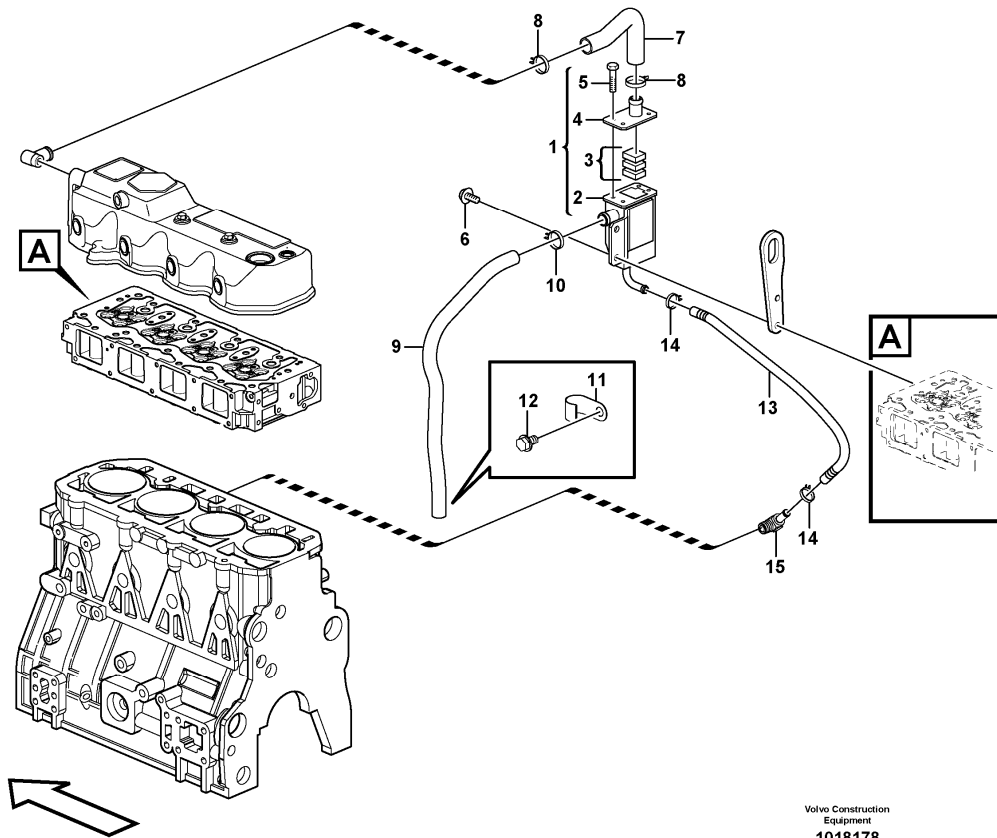


Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11714743	1							Cylinder block		
2	VOE14521503	1							•Plug		
3	VOE11713560	1							•Plug		
4	VOE14521504	3							•Plug		
5	VOE11714369	8							•Plug		
6	VOE11714757	1							•Bushing		
7	VOE11714387	2							•Spring pin		
8	VOE11714756	10							•Screw		
9	VOE15057722	5							•Main bearing kit		(VOE14524620)STD SZ
10	VOE15057699	2							•Thrust washer		(VOE11714758)STD SZ

11	VOE14521506	1							Spacer		
12	VOE11714376	2							Pin		
13	VOE11714762	1							Flywheel housing		
14	VOE11714763	9							Screw		
15	VOE11714764	4							Screw		
16	VOE11714765	1							Crankshaft seal		
17	VOE11714760	5							Main bearing		0,25 MM O SZ
18	VOE11714761	2							Thrust washer		0,25 MM O SZ

Date: 2013/10/21	Image id: 1018178	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 212/150	Title: Crankcase ventilation 11850033, 11850709



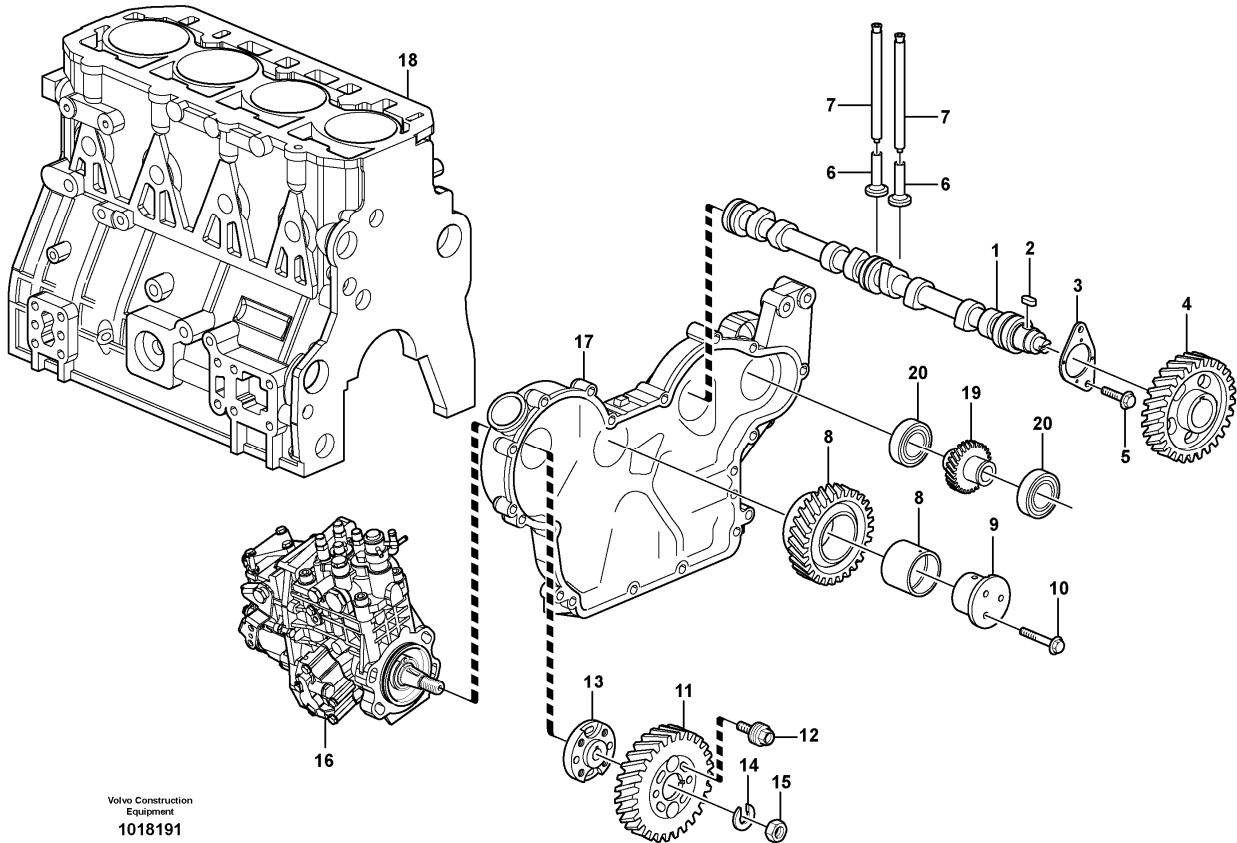
Volvo Construction
Equipment
1018178

Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11714812	1							Oil separator		
2	VOE11714815	1					NS		•Housing		
3	VOE11714813	3							•Filler		
4	VOE11714814	1					NS		•Cap		
5	VOE11714816	4							•Bolt		
6	VOE11714372	2							Bolt		
7	VOE11714811	1							Hose		
8	VOE11713669	2							Clamp		
9	VOE11714819	1							Hose		
10	VOE11714822	1							Hose clamp		

11	VOE11714824	1							Clamp		
12	VOE11714490	1							Bolt		
13	VOE11714817	1							Hose assembly		
14	VOE11714820	2							Hose clamp		
15	VOE11714823	1							Elbow nipple		

Date: 2013/10/21	Image id: 1018191	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 214/100	Title: Valve mechanism



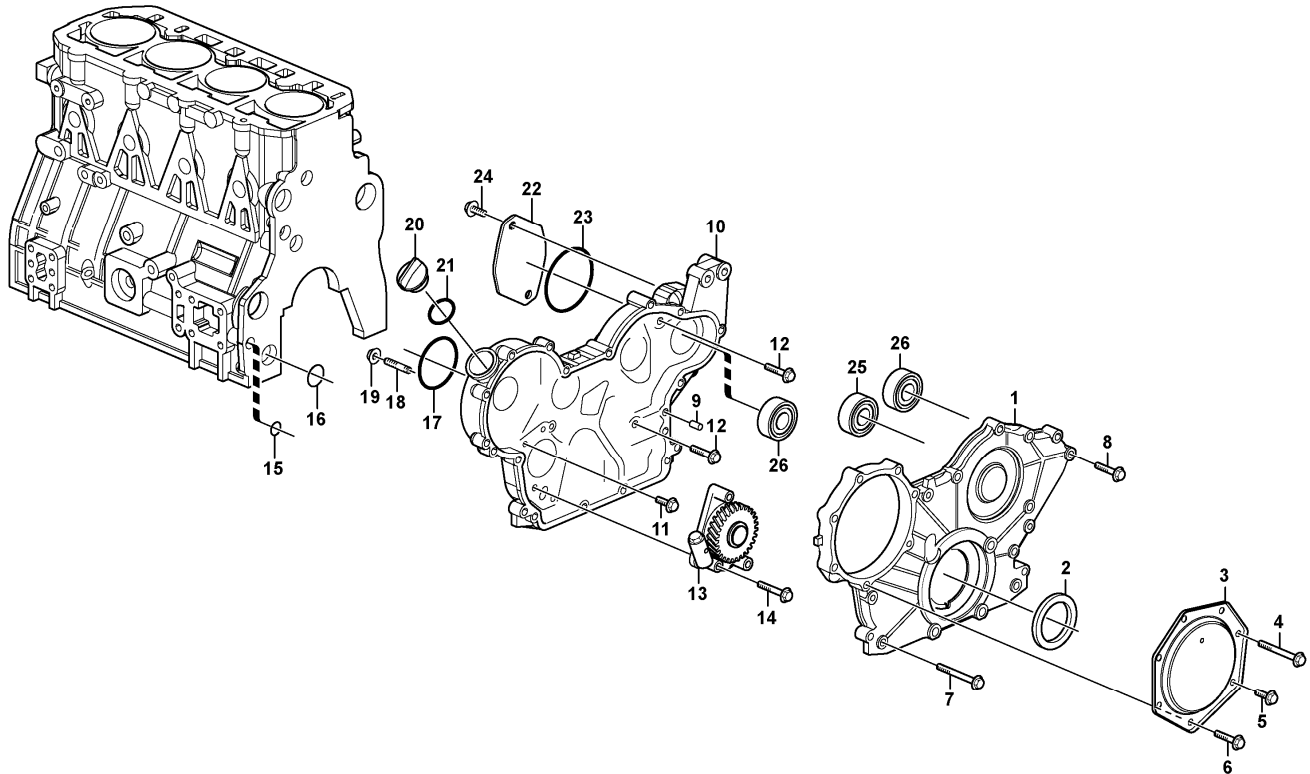
Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf

Q1-Q5	Option	Option description	
Q1 11850033	VOE11850033	Engine	
Q2 11850709	VOE11850709	Engine Hf	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11714784	1							Camshaft		
1	VOE11714836		1						Camshaft		
2		1	1				NS		•Key		
3		1	1				NS		•Thrust Washer		
4		1					NS		•Camshaft Gear		
4			1				NS		•Gear		

5	VOE11714372	2	2						Bolt		
6	VOE11714485	8	8						Tappet		
7	VOE14521559	8	8						Push rod		
8	VOE11714785	1							Gear		
8	VOE11714838		1						Gear		
9	VOE14521561	1	1						Shaft		
10	VOE11714373	3	3						Bolt		
11	VOE11714787	1	1						Gear		
12	VOE14521562	4	4						Bolt		
13	VOE14525395	1	1						Flange		
14	VOE11714788	1	1						Spring washer		
15	VOE11714789	1	1						Nut		
16		1	1						Injection Pump		See ref 236/100
17		1	1						Timing gear casing		See ref 215/100
18		1	1						Cylinder Block		See ref 212/100
19	VOE11714839		1						Gear		
20			2						Ball Bearing		See ref 215/100

Date: 2013/10/21	Image id: 1018194	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 215/100	Title: Timing gear casing and gears



Volvo Construction
Equipment
1018194

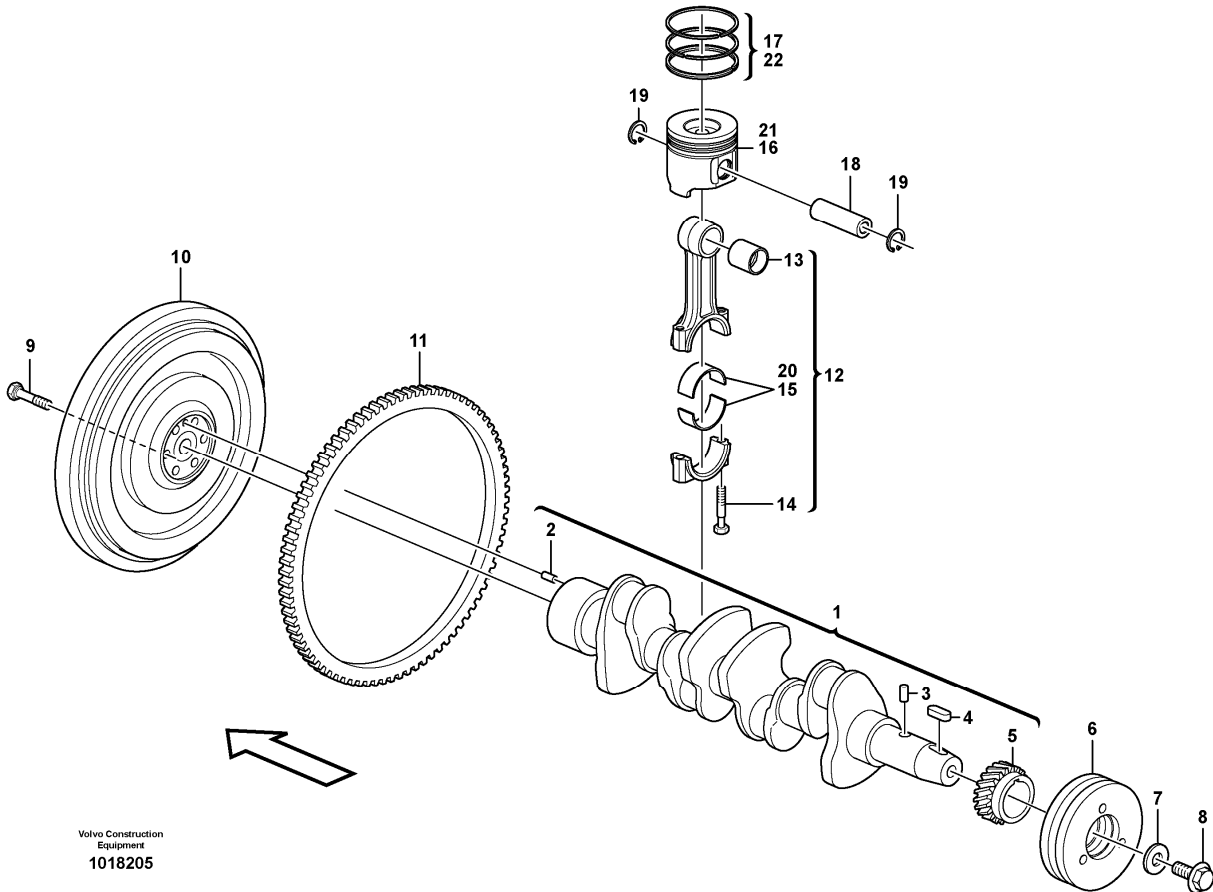
Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf

Q1-Q5	Option	Option description	
Q1 11850033	VOE11850033	Engine	
Q2 11850709	VOE11850709	Engine Hf	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11714744	1	1						Timing gear casing		
2	VOE11714745	1	1						•Sealing		
3	VOE11714746	1	1						Cover		
4	VOE14521510	1	1						Bolt		
5	VOE11714372	1	1						Bolt		
6	VOE11714487	5	5						Bolt		

7	VOE14521510	6	6						Bolt		
8	VOE11714487	5	5						Bolt		
9	VOE11714376	4	4						Pin		
10	VOE11715432	1	1						Timing gear casing		
11	VOE11714372	1	1						Bolt		
12	VOE11714388	3	3						Bolt		
13	VOE11714750	1	1						Lubricating oil pump		
14	VOE11714377	3	3						Bolt		
15	VOE11714739	1	1						O-ring		
16	VOE11714738	1	1						O-ring		
17	VOE14521512	1	1						Wrapping		
18	VOE11714749	4	4						Stud		
19	VOE14521513	4	4						Nut		
20	VOE11714383	1	1						Cap		
21	VOE11714371	1	1						O-ring		
22	VOE11714754	1	1						Cover		
23	VOE11714346	1	1						O-ring		
24	VOE11714755	2	2						Screw		
25	VOE11714753	1	1						Bearing		
26	VOE11714752		2						Ball bearing		

Date: 2013/10/21	Image id: 1018205	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 216/100	Title: Crankshaft and related parts



Volvo Construction
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1018205

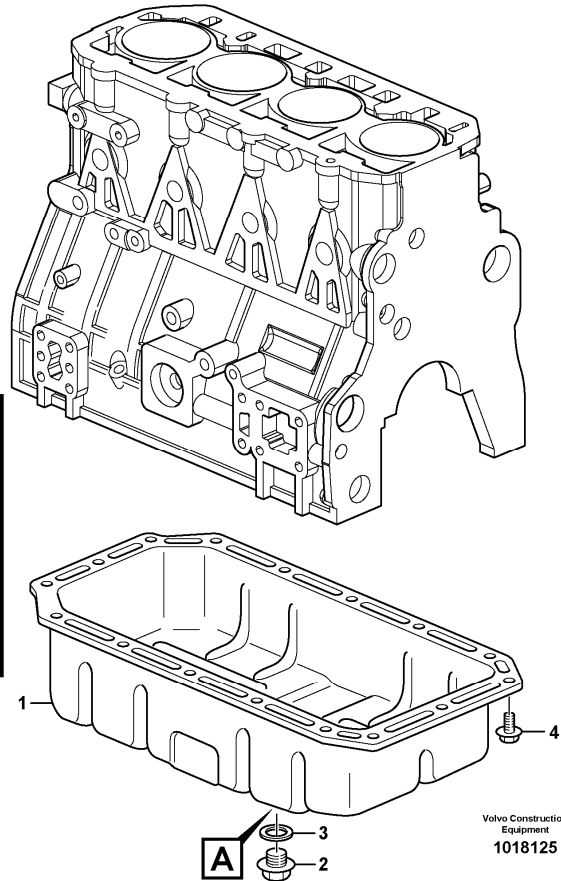
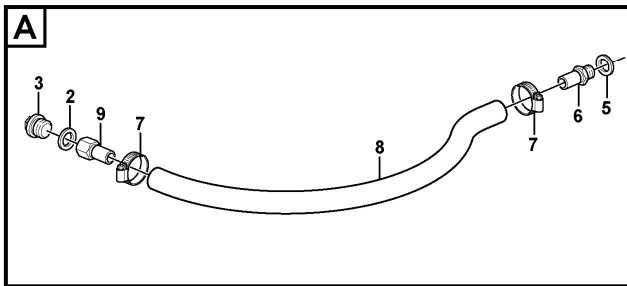
Section option	Kit	Option description
VOE11850033		Engine
VOE11850709		Engine Hf

Q1-Q5	Option	Option description	
Q1 11850033	VOE11850033	Engine	
Q2 11850709	VOE11850709	Engine Hf	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11714842	1							Crankshaft		
1	VOE11714843		1						Crankshaft		
2	VOE11714792	1	1						•Guide pin		
3	VOE11714791	1	1						•Guide pin		
4	VOE11714468	1	1						•Key		
5	VOE11714790	1							•Crankshaft gear		

5	VOE11714844		1						•Crankshaft gear		
6	VOE11714849	1	1						Pulley		
7	VOE11714848	1	1						Washer		
8	VOE11713690	1	1						Bolt		
9	VOE11714793	6	6						Screw		
10	VOE11714794	1	1						Flywheel		
11	VOE11714795	1	1						•Gear ring		
12	VOE11714799	4	4						Connecting rod		
13	VOE11714800	4	4						•Bushing		
14	VOE11714801	8	8						•Screw		
15	VOE11714802	4	4						•Piston Bearing		STD SZ
16	VOE11714846	4	4						•Piston		STD SZ
17	VOE11714796	4	4						•Piston ring kit		STD SZ
18	VOE11714797	4	4						Gudgeon pin		
19	VOE11714798	8	8						Lock ring		
20	VOE11714803	4	4						Piston Bearing		0,25 mm O SZ
21	VOE11714847	4	4						Piston		0,25 MM O SZ
22	VOE11714804	4	4						Piston		0,25 MM O SZ

Date: 2013/10/21	Image id: 1018125	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 217/100	Title: Oil sump 11850033, 11850709



Volvo Construction
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1018125

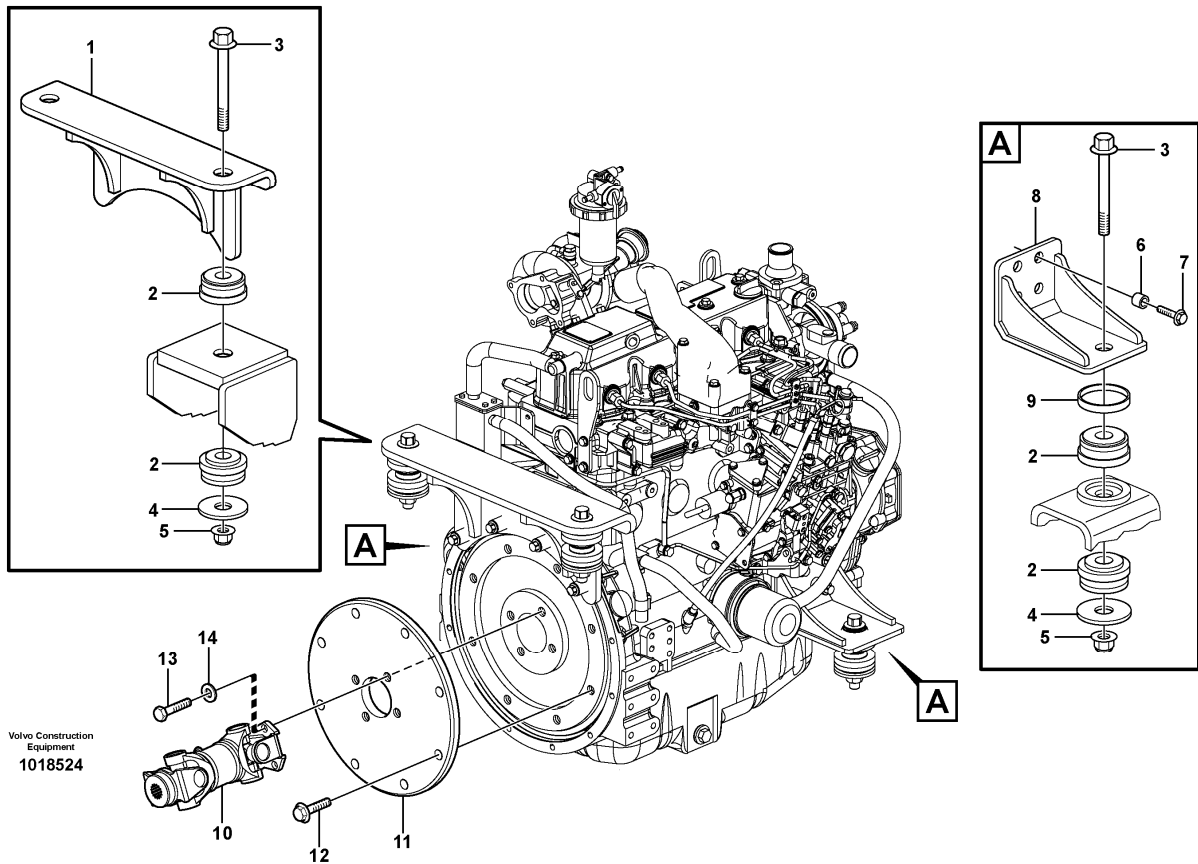
Section option	Kit	Option description
VOE11840379		Oil drain cplt. kit
VOE11850033		Engine
VOE11850709		Engine Hf

Q1-Q5	Option	Option description	
Q1 STD			
Q2 11840379	VOE11840379	Oil drain cplt. kit	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11714767	1							Oil pan		
2	VOE11713638	1	1						•Drain plug		
3	VOE11713639	1	1						•Sealing		
4	VOE11714490	16							Bolt		
5	VOE948885		1						Plane gasket		

6	VOE948931		1					Nipple		
7	VOE943475		2					Hose clamp		
8	VOE13961193		REQ					Hydraulic hose		L = 500 MM
9	VOE11852124		1					Nipple		

Date: 2013/10/21	Image id: 1018524	Catalogue: 20066	Model: MC90B
Brand: Volvo	Serial: 61001-62000, 70001-	Group/Section: 218/100	Title: Engine mounting



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE11850477	1							Bracket		
2	VOE11852528	8							Mount		
3	VOE968592	4							Flange screw		
4	VOE11850356	4							Washer		
5	VOE13967934	4							Flange lock nut		
6	VOE843028	12							Spacer sleeve		
7	VOE968163	12							Flange screw		
8	VOE11850481	2					NS		Bracket		
9	VOE11850355	2							Ring		
10	VOE11851005	1							Ball joint		
	VOE11712683	2							•Spider		
11	VOE11850593	1							Plate		
12	VOE946472	8							Flange screw		
13	VOE946441	4							Flange screw		

14		4				NS	Washer		
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