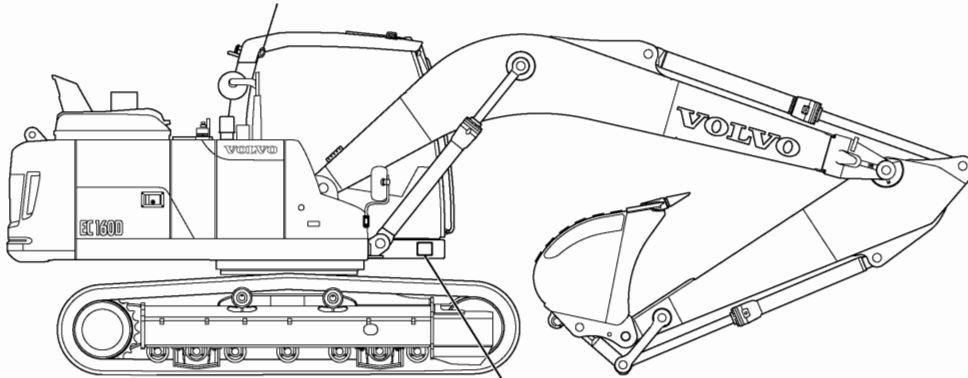




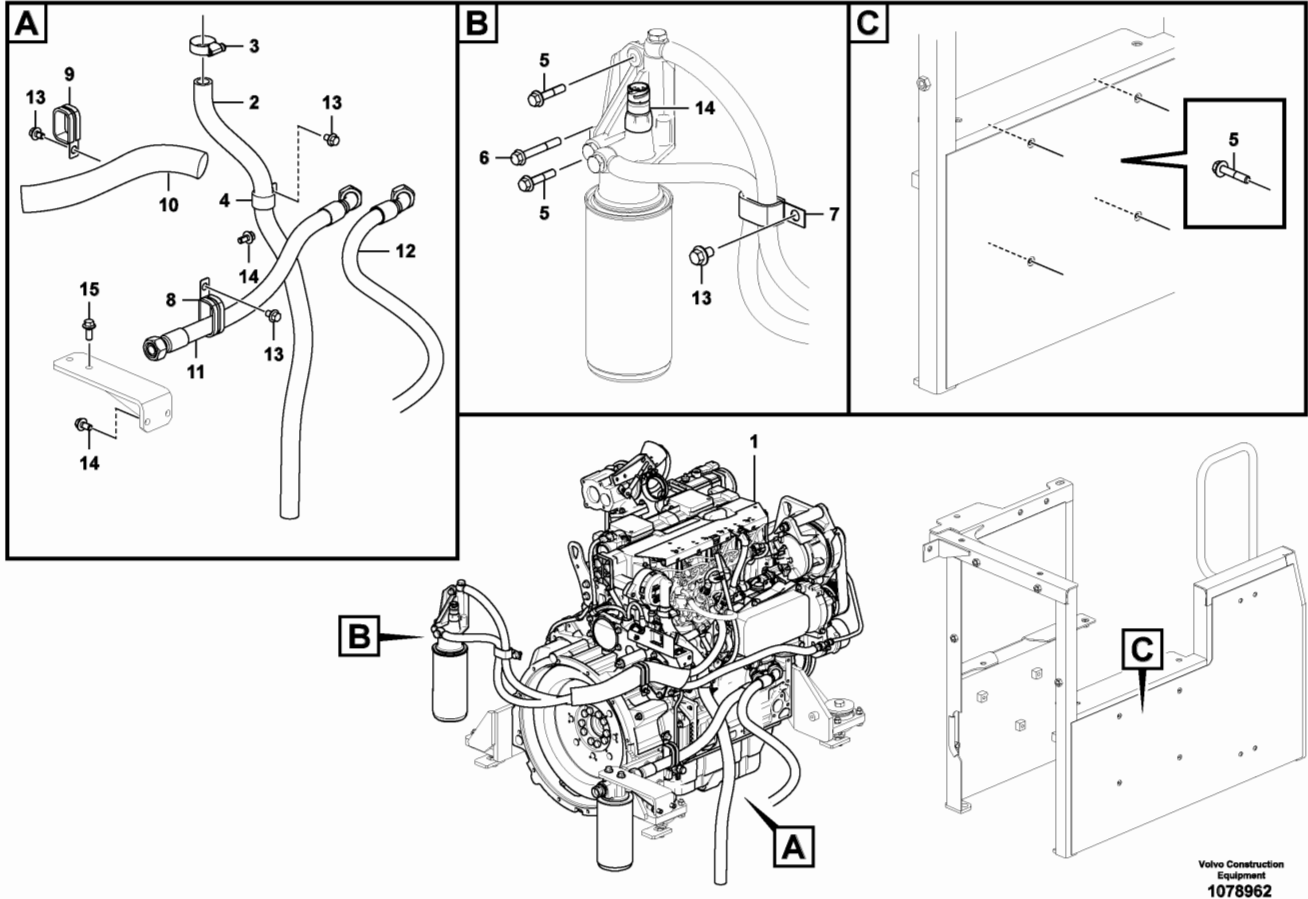
Date: 8/14/2025	Image id: 1063822	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 030/100	Title: Product identification plate



Volvo Construction
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1063822

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1									Product sign plate		

Date: 8/14/2025	Image id: 1078962	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 210/100	Title: Engine 8294465



Volvo Construction
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1078962

Section option	Kit	Option description
VOE8294465		Engine

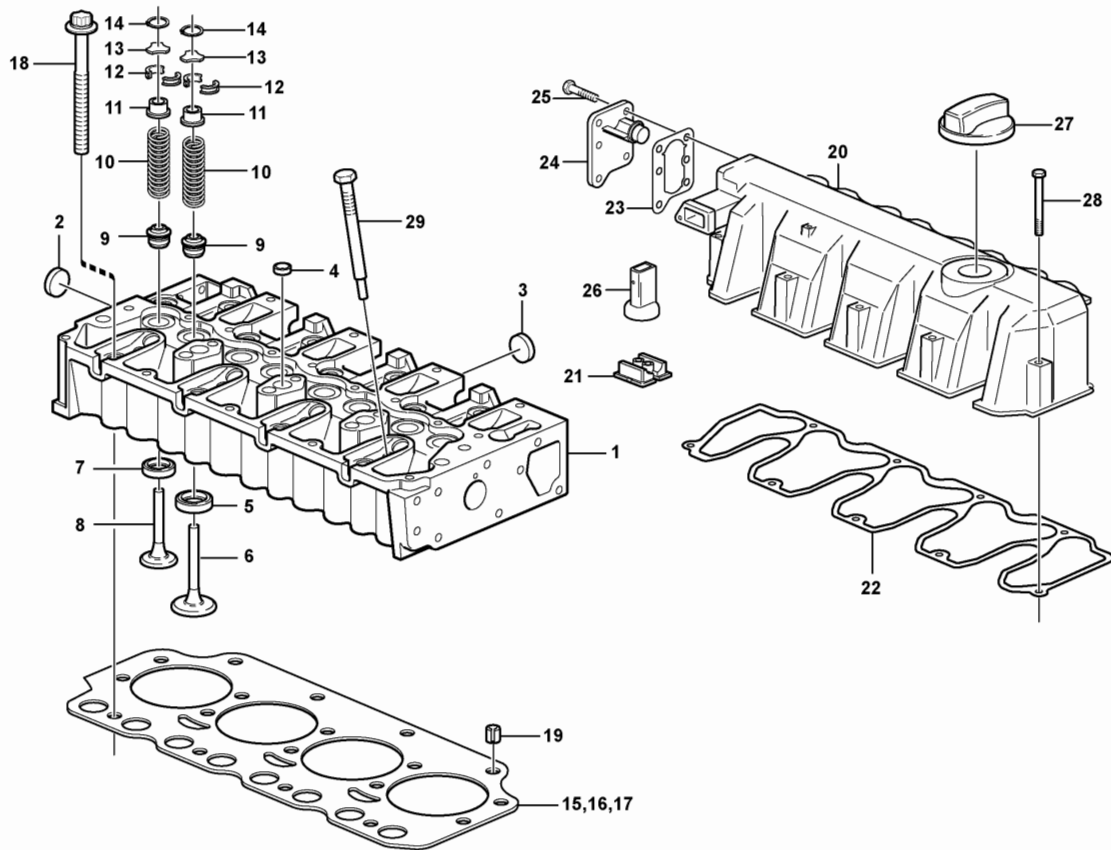
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE17213163	1							Engine		REMAN VOE9017213163
2	VOE14880502	1							Cooling hose		
3	VOE943475	1							Hose clamp		
4	VOE14500297	1							Clip		
5	VOE60113084	6							Flange screw		(VOE13947760)
6	VOE60113088	1							Flange screw		(VOE13965180)
7	VOE14515524	1							Clip		
8	VOE14507451	1							Clip		
9	VOE14515521	1							Insulating clip		
10	SA9443-30608	1							Hose protection		
11	VOE14670743	1							Hose		
12	VOE14675347	1							Hose		

Sample of manual. Download All 672 pages at:

<https://www.arespairmanual.com/downloads/volvo-ec170d-excavators-part-manual/>

13	VOE946471	4							Flange screw		
14	VOE946441	3							Flange screw		
15	VOE60113093	2							Flange screw		(VOE946329)

Date: 8/14/2025	Image id: 1074632	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 211/100	Title: Cylinder head 17213163



Volvo Construction
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1074632

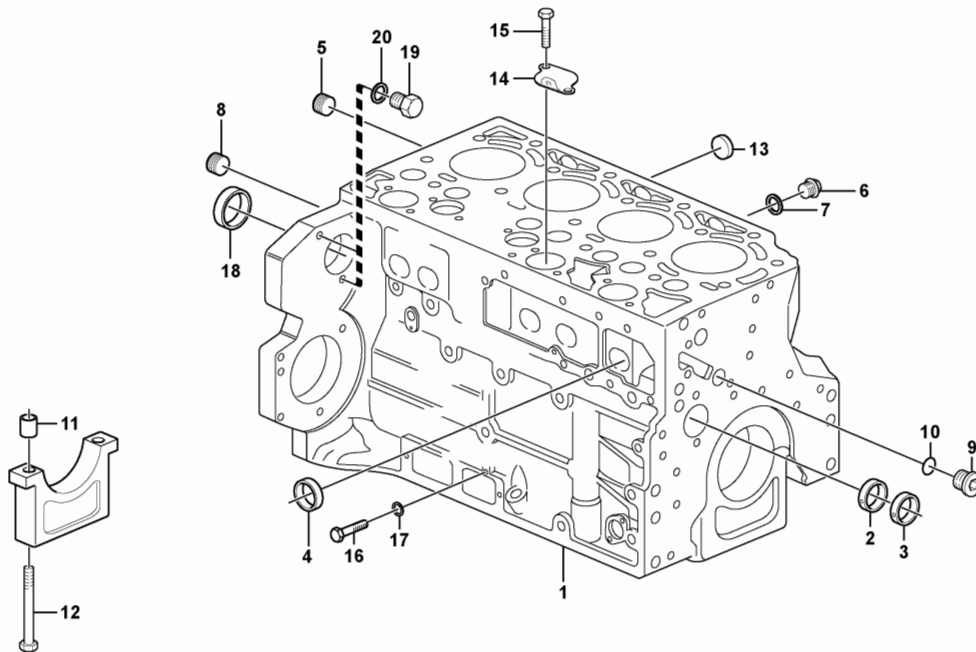
Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Q1-Q5	Option	Option description	
Q1 17213163	VOE17213163	Engine D4 TIER3	
Q2 17213163	VOE17213163	Engine D4 TIER3	

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21070757	1					SS		Cylinder head		ENG -12193086, REMAN VOE9021070757, VOE9023095765
1	VOE23095765		1						Cylinder head		ENG 12193087- REMAN VOE9023095765
2	VOE20914266	1							•Core Plug		
3	VOE20450767	3					SS		•Plug		
4	VOE20412733	3							•Core plug		
5	VOE20849976	4	6						•Valve seat		

6	VOE20798699	4	4						•Inlet valve		
7	VOE20849979	4	6						•Insert		
8	VOE20798533	4	4						•Exhaust valve		
9	VOE20459855	8							•Valve seal		
10	VOE20459851	8	8						•Valve spring		
11	VOE20840747	8	8						•Spring disc		
12	VOE23699488	16	16						•Valve cotter		(VOE20459857)
13	VOE20840807	8	8						•Thrust washer		
14	VOE20840772	8	8						•Lock ring		
15	VOE20882841	1	1						Cylinder head gasket		1 BORE THICK = 1,13 MM
16	VOE20882839	1	1						Cylinder head gasket		2 BORES THICK = 1,23 MM
17	VOE20882838	1	1						Cylinder head gasket		3 BORES THICK = 1,33 MM
18	VOE20459838	13	13						Bolt		
19	VOE20459839	2	2						Bushing		
20	VOE21455712	1	1						Valve cover		(VOE21056693)
21	VOE20459835	1	1						•Cover		
22	VOE21056701	1	1						•Gasket		
23	VOE20840801	1	1						•Gasket		
24	VOE20933359	1	1						•Oil Separator		
25	VOE20797542	6	6						•Hexagon screw		
26	VOE20459836	1	1						•Nozzle		
27	VOE20412589	1	1						Filler cap		
28	VOE22278501	9	9						Hexagon screw		(VOE21037380)
29	VOE21455743	4	4						Plug		(VOE20405895)

Date: 8/14/2025	Image id: 1030323	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 212/100	Title: Cylinder block 17213163



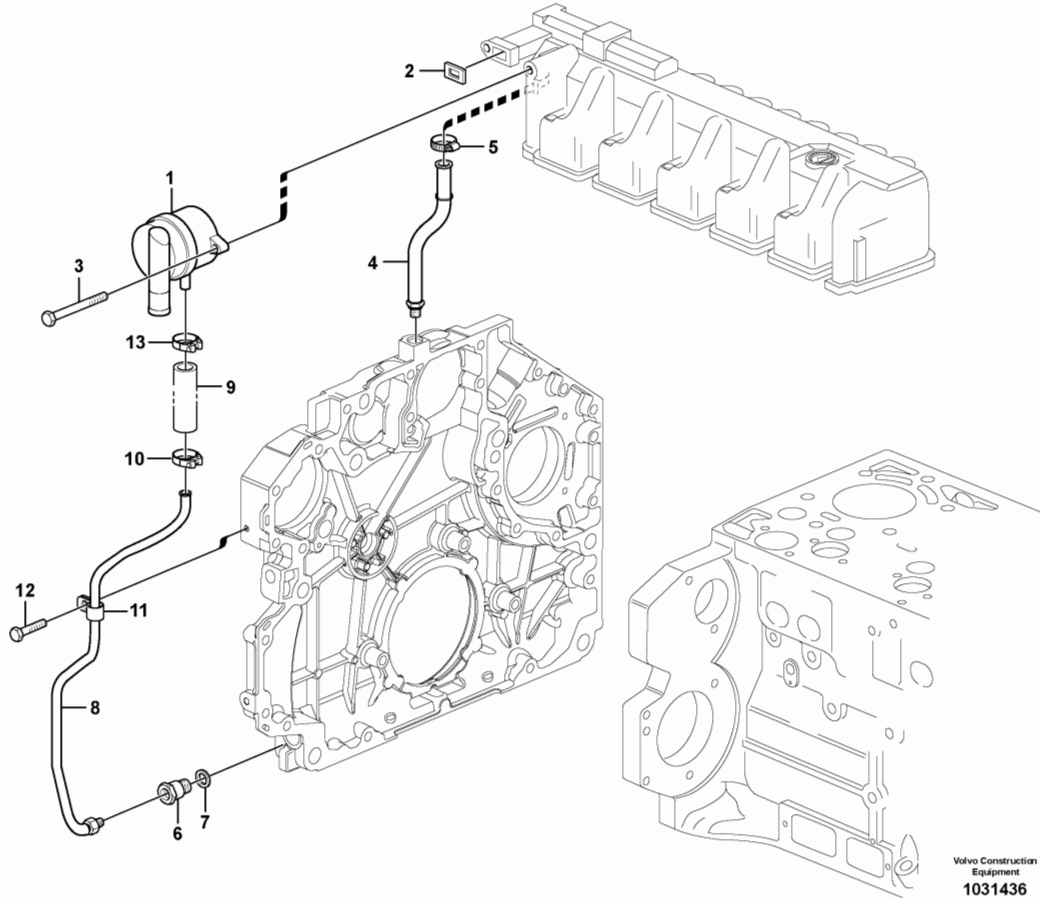
Volvo Construction
Equipment
1030323

Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE22194210	1							Crankcase		(VOE21077572)
2	VOE20459998	1					SS		•Camshaft bushing		
3	VOE21774593	4							•Bearing bushing		(VOE20459999)
4	VOE20405721	6							•Core plug		
5	VOE20508600	2							•Plug		
6	VOE20405716	2							•Plug		
7	VOE21108673	2							•Sealing ring		
8	VOE20785813	1							•Plug		
9	VOE20998904	1							•Plug		
10	VOE20998903	1							•Gasket		
11	VOE20460001	10							•Bushing		
12	VOE20460006	10							•Screw		
13	VOE20412745	4							•Core plug		

14	VOE20840812	2							Cover		
15	VOE20405792	4							Screw		
16	VOE20459899	2							Screw		
17	VOE20459900	2							Sealing ring		
18	VOE20793501	1							Plug		ENG -12473875
18	VOE60112856	1							Cap plug		ENG 12473876-
19	VOE20441859	2							Plug		ENG -12473875
19		2					NS		Plug		ENG 12473876-
20	VOE13947281	2							Gasket		ENG -12473875

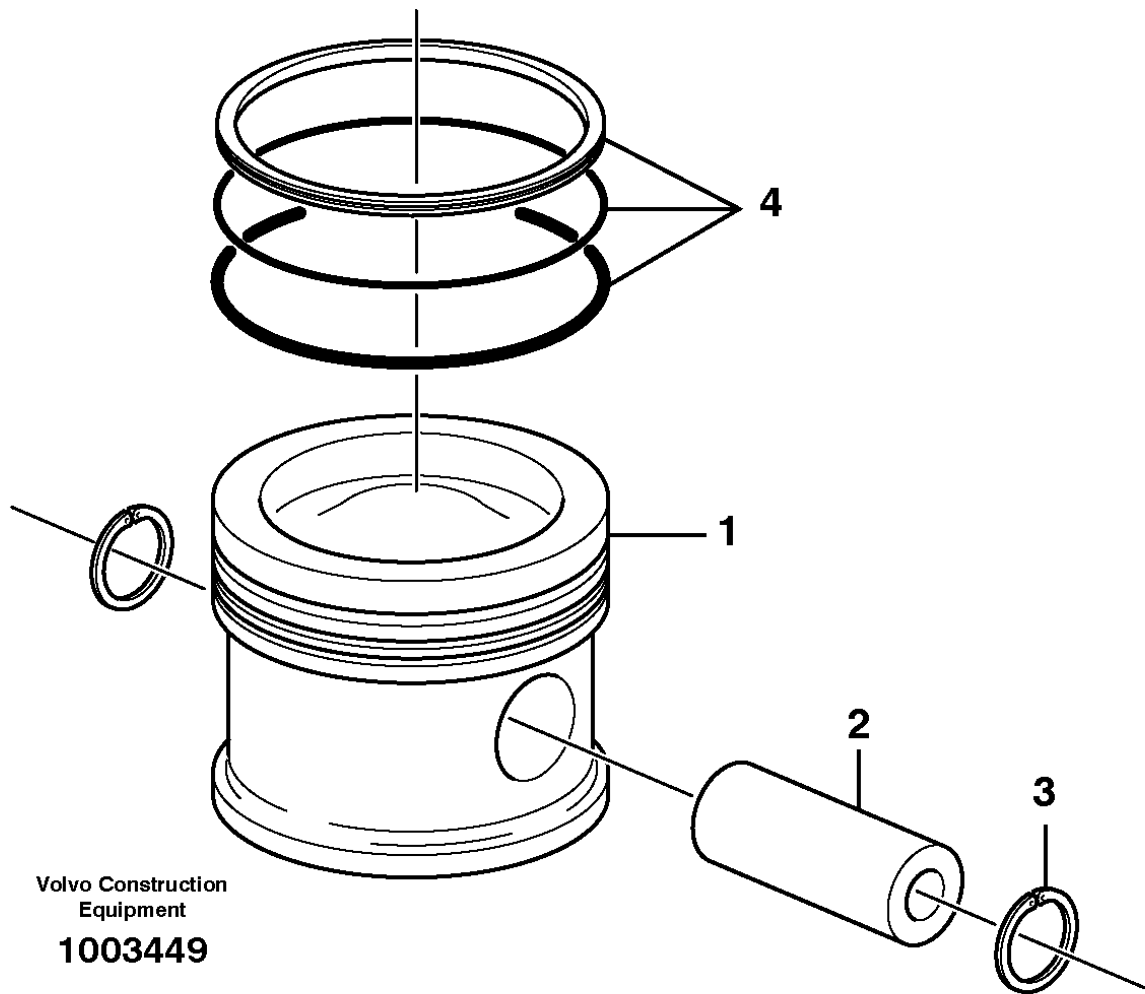
Date: 8/14/2025	Image id: 1031436	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 212/200	Title: Crankcase ventilation 17213163



Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20930510	1							Oil separator		
2	VOE21038626	1							•Plane gasket		
3	VOE20405504	2							Screw		
4	VOE20971646	1							Oil return pipe		
5	VOE20799673	1							Hose clamp		
6	VOE21496705	1							Drain valve		(VOE20841133)
7	VOE20460026	1							Sealing ring		
8	VOE21056054	1					SS		Return line		
9	VOE21056418	1							•Hose		
10	VOE20971607	2							•Hose clamp		
11	VOE20798831	1							•Attaching clamp		
12	VOE20405729	1							Screw		
13	VOE20971607	1							Hose clamp		

Date: 8/14/2025	Image id: 1003449	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 213/100	Title: Cylinder liner and piston 17213163

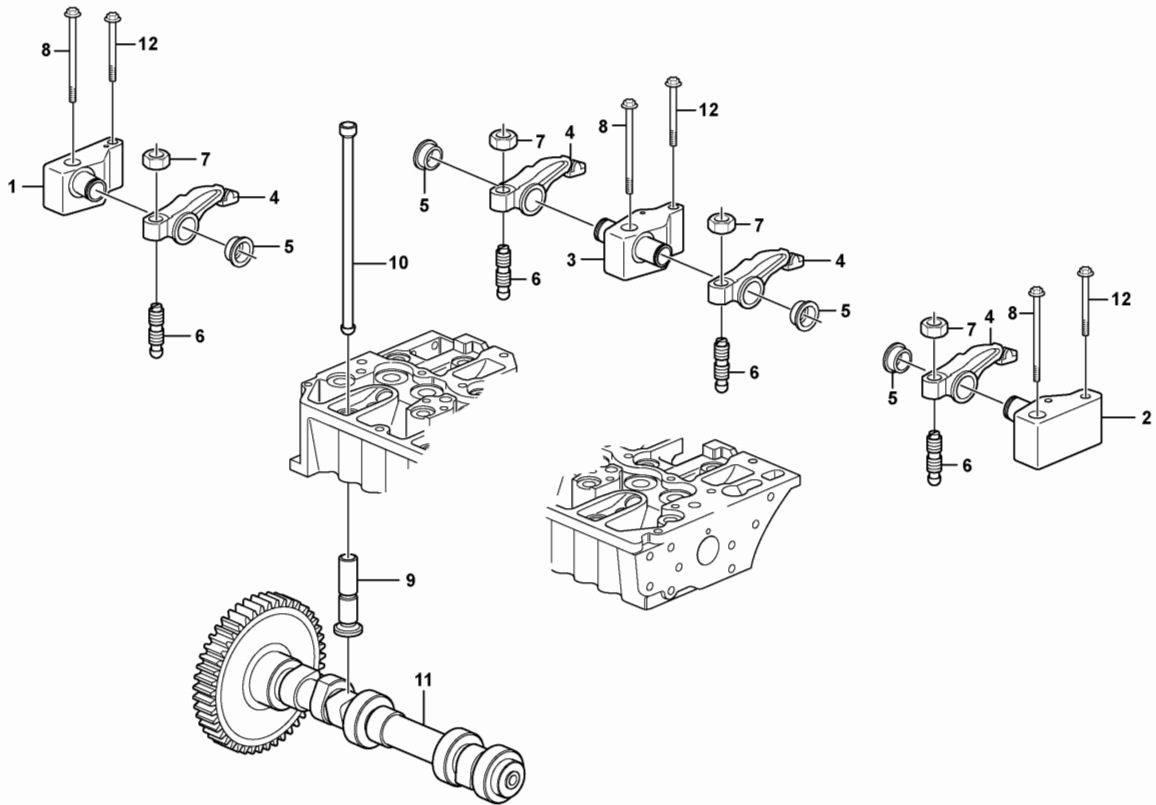


Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21291112	4							Piston		(VOE20849999)
2	VOE20798843	4							•Gudgeon pin		
3	VOE20798020	8							•E-clip		

4	VOE21252233	4							•Piston ring kit		(VOE20850056)
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Date: 8/14/2025	Image id: 1030327	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 214/100	Title: Valve mechanism 17213163, ENG -11751808

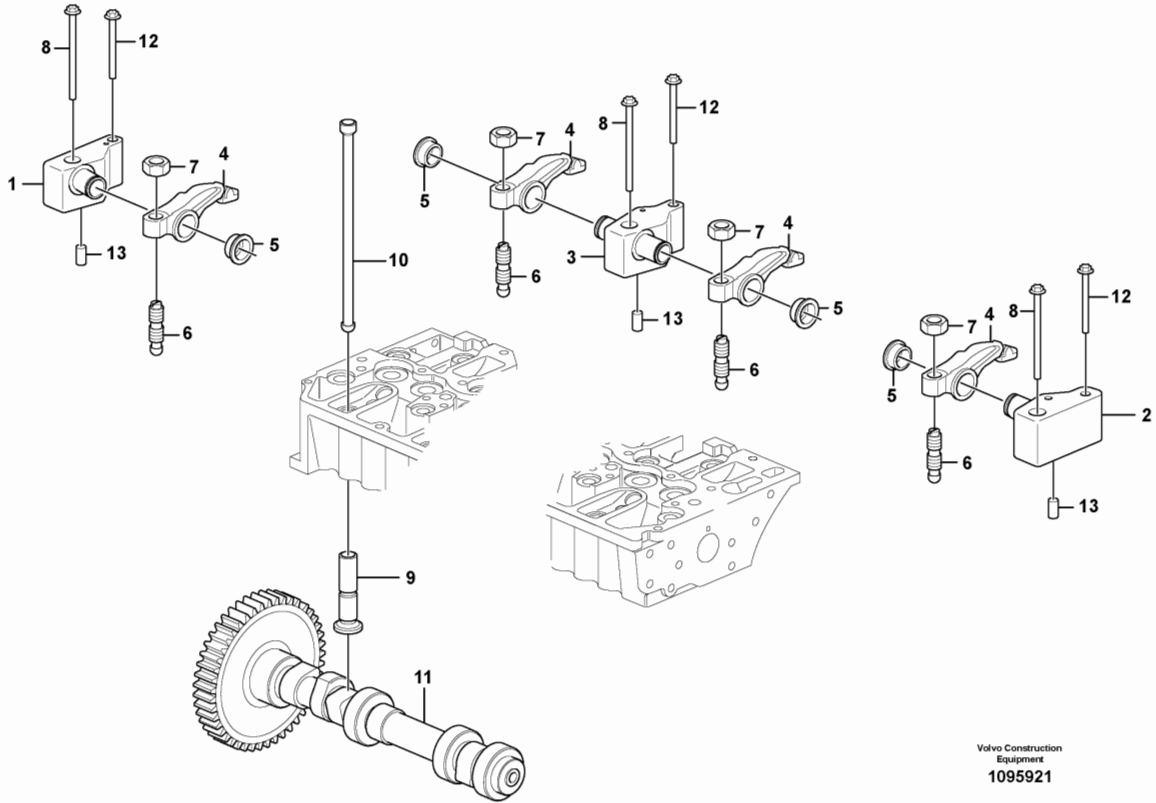


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1030327

Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE23101423	1							Bracket		(VOE20799063)
2	VOE20799047	1							Bracket		
3	VOE20799053	3							Bracket		(VOE20799061)
4	VOE21448926	8							Rocker arm		(VOE20792876)
5	VOE20794115	8							Retaining ring		
6	VOE20913851	8							Adjusting Screw		
7	VOE11700373	8							Nut		
8	VOE20459837	5							Bolt		
9	VOE20799076	8							Tappet		
10	VOE21345578	8							Tube		(VOE20460008)
11	VOE21793662	1							Camshaft		(VOE21050898)
12	VOE993275	5							Six point screw		

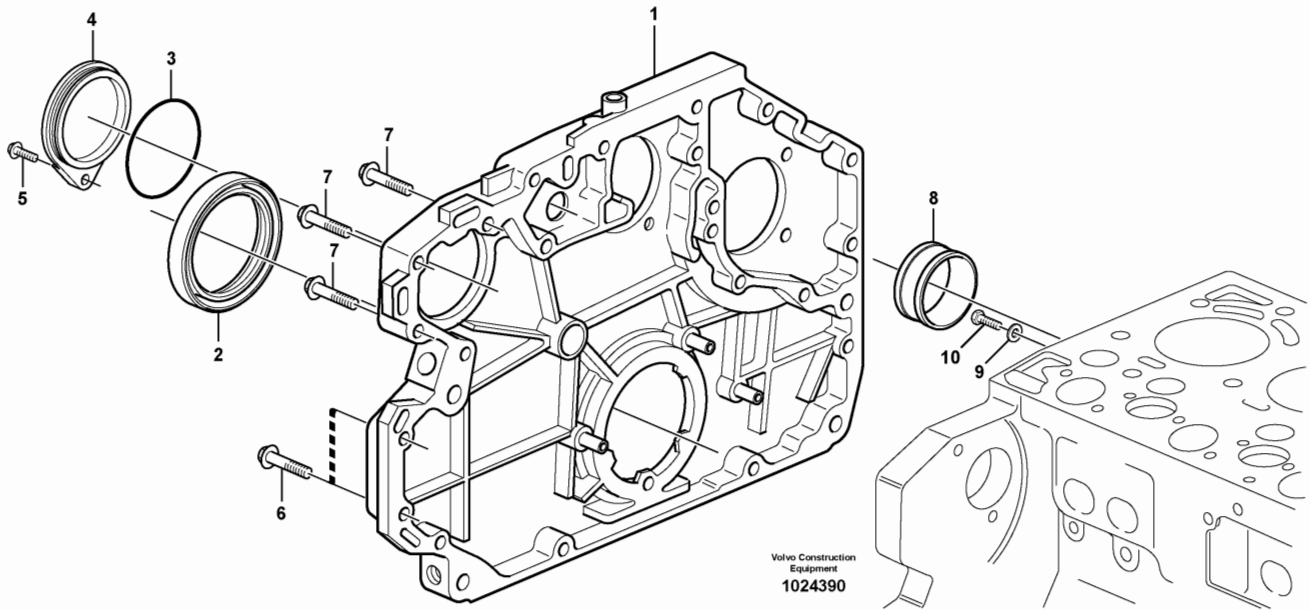
Date: 8/14/2025	Image id: 1095921	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 214/110	Title: Valve mechanism 17213163, ENG 11751809-



Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE23101423	1							Bracket		
2	VOE23101845	1							Bracket		
3	VOE23101848	3							Bracket		
4	VOE21448926	8							Rocker arm		(VOE20792876)
5	VOE20794115	8							Retaining ring		
6	VOE20913851	8							Adjusting Screw		
7	VOE11700373	8							Nut		
8	VOE20459837	5							Bolt		
9	VOE20799076	8							Tappet		
10	VOE21345578	8							Tube		(VOE20460008)
11	VOE21793662	1							Camshaft		(VOE21050898)
12	VOE993275	5							Six point screw		
13	VOE20790837	5							Pin		

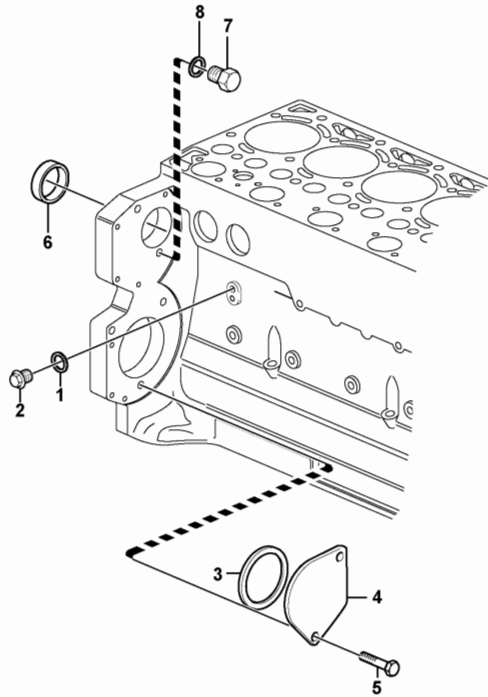
Date: 8/14/2025	Image id: 1024390	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 215/100	Title: Timing gear casing 17213163



Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE22444773	1							Timing gear casing		(VOE20841195)ENG-12317598
1	VOE23377567	1							Flywheel housing		ENG 12317599-
2	VOE21628356	1							Crankshaft seal		(VOE20459115)
3	VOE20405652	1							O-ring		
4	VOE22610639	1							Cover		(VOE20950063)
5	VOE20405672	1							Screw		
6	VOE20412324	12							Screw		
7	VOE20450801	3							Screw		
8	VOE20460092	1							Bushing		
9	VOE20460087	1							Washer		
10	VOE20460101	1							Screw		

Date: 8/14/2025	Image id: 1031450	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 215/300	Title: Pump drive power take-off 17213163

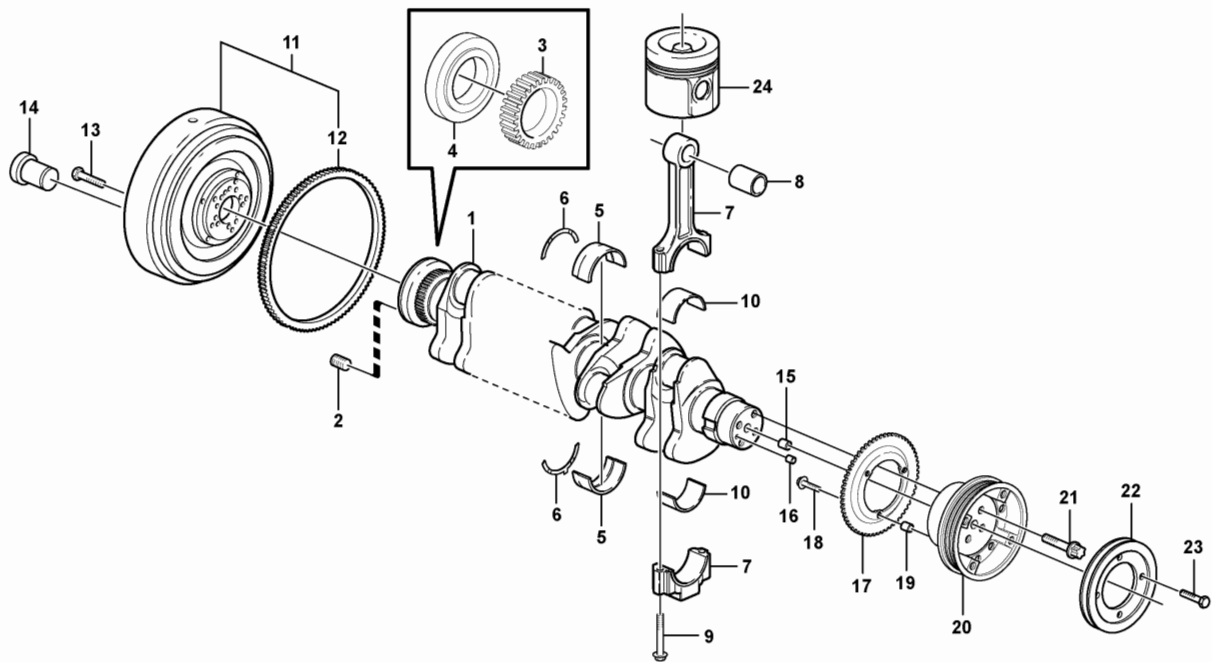


Volvo Construction
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1031450

Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE13947621	1							Plane gasket		ENG -12165403
1	VOE993677	1							Gasket		ENG 12165404-
2	VOE20405716	1							Plug		ENG -12165403
2	VOE60112839	1							Plug		ENG 12165404-
3	VOE20412359	1							O-ring		
4	VOE24426064	1							Cover		ENG -12165403
4	VOE22740676	1							Cover		ENG 12165404-
5	VOE975108	2							Flange screw		ENG -12165403
5	VOE60113409	2							Flange screw		ENG 12165404-
6	VOE20450778	1							Core plug		
7	VOE20441859	2							Plug		
8	VOE13947281	2							Gasket		

Date: 8/14/2025	Image id: 1030339	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 216/100	Title: Crankshaft and related parts 17213163



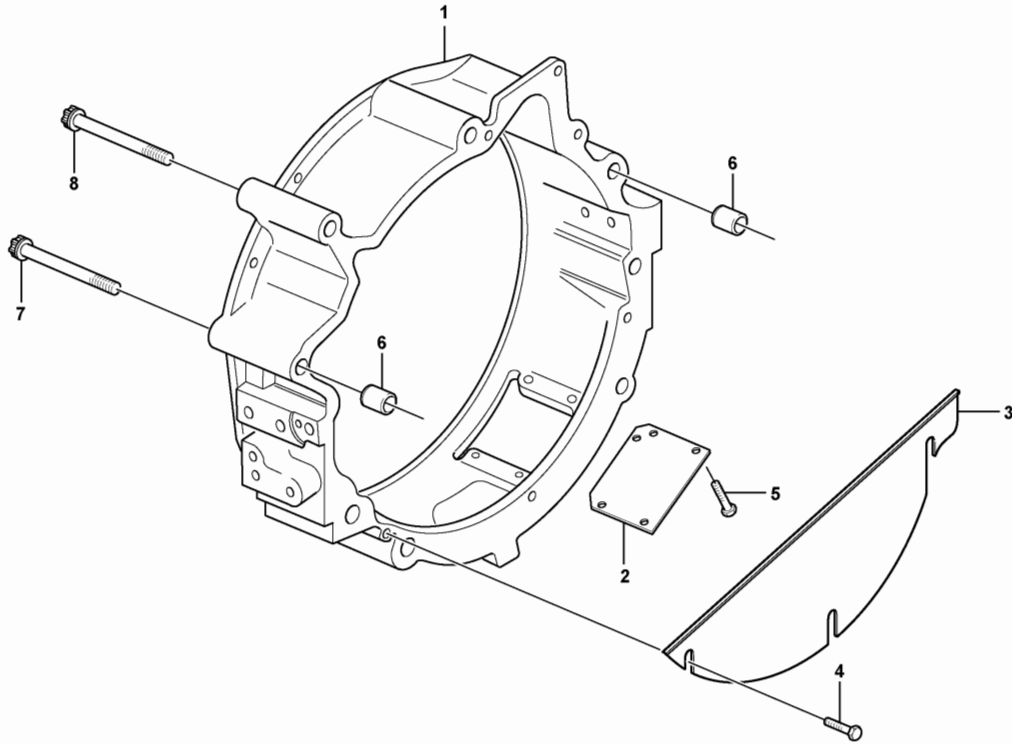
Volvo Construction
Equipment
1030339

Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21351218	1							Crankshaft		(VOE21050808), REMAN VOE9021050808, VOE9021351218
2	VOE20459144	10							Insert		
3		1					NS		Gear		(VOE20838102)
4	VOE20791429	1					CS		Flywheel companion flange		
5	VOE22967564	5							Main bearing		(VOE20850106)STD 84,00 MM
5	VOE22967569	5							Main bearing		(VOE20850110)U SZ 83,75 MM
6	VOE20850116	2							Thrust washer		STD 2,15 MM
6	VOE20850122	2					SS		Thrust washer		O SZ 2,35 MM
7	VOE20851091	4							Connecting rod		

8	VOE20799647	4							•Piston bushing		
9	VOE20799587	8							•Flange screw		
10	VOE20850096	4							Big-end bearing kit		STD 63,00 MM
10	VOE20850097	4							Big-end bearing kit		U SZ 62,75 MM
11	VOE20524696	1							Flywheel		
12	VOE23068179	1					SS		•Starter gear ring		
13	VOE20405654	10							Bolt		
14	VOE20405643	5							Plug		
15	VOE20405634	1							Spring pin		
16	VOE20450628	1							Pin		
17	VOE21056673	1					SS		Lock washer		ENG -11657646
17	VOE22361189	1							Accessories		ENG 11657647-
18	VOE975108	3							Flange screw		(VOE888289)
19	VOE20450838	1							Pin		
20	VOE21056677	1							Pulley		
21	VOE20405724	4							Screw		
22	VOE20459155	1							Pulley		
23	VOE20459156	1							Screw		
24		4							Piston		

Date: 8/14/2025	Image id: 1027113	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 216/200	Title: Flywheel housing 17213163

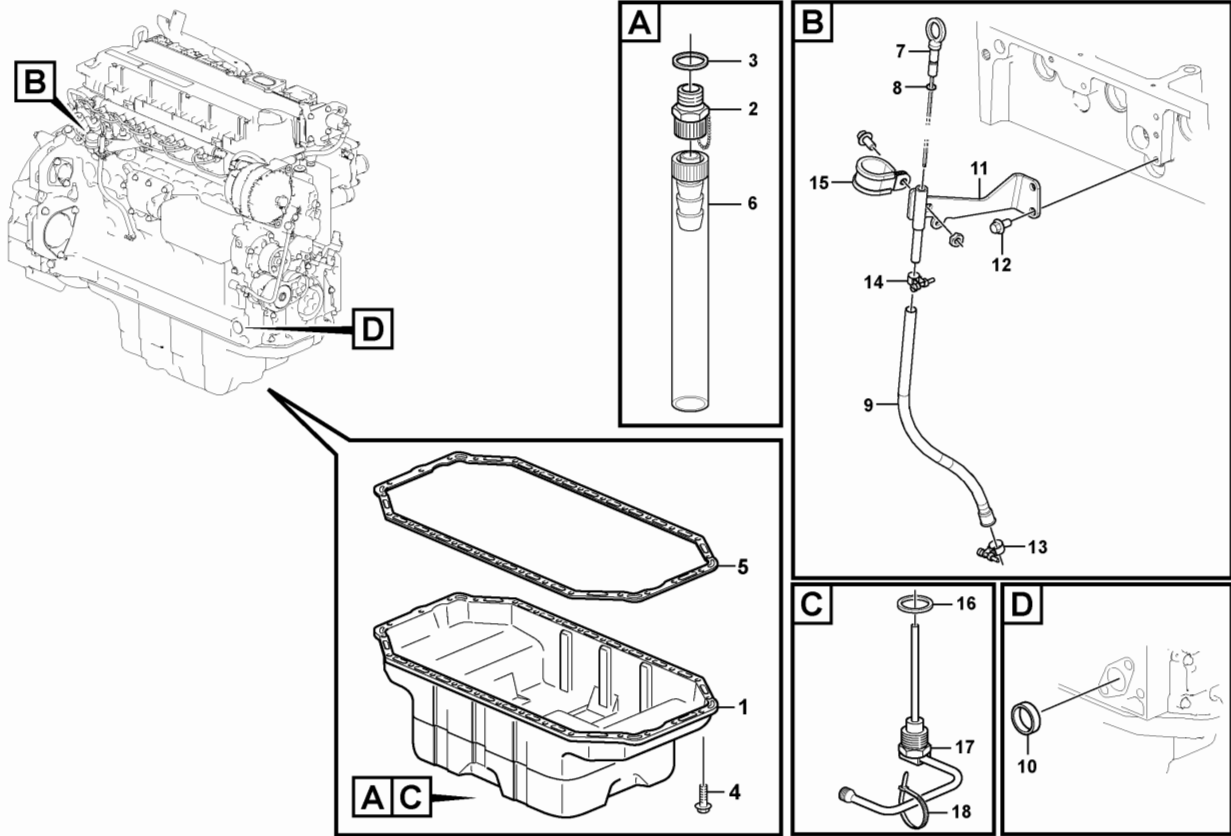


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Equipment
1027113

Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21044436	1							Flywheel housing		
2	VOE20547288	1							•Cover Plate		
3	VOE20459989	1							•Cover		
4	VOE20405729	3							•Screw		
5	VOE20405729	4							•Screw		
6	VOE21455862	2							Bushing		(VOE20585971)
7	VOE20459996	2							Screw		
8	VOE20459995	4							Screw		

Date: 8/14/2025	Image id: 1060243	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 217/100	Title: Oil sump 17213163



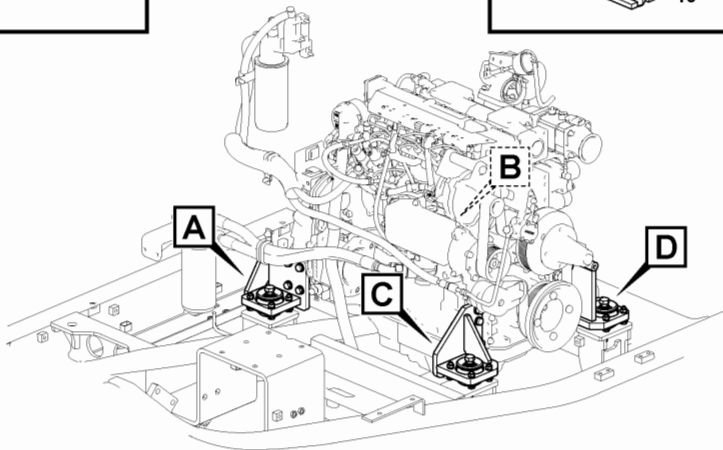
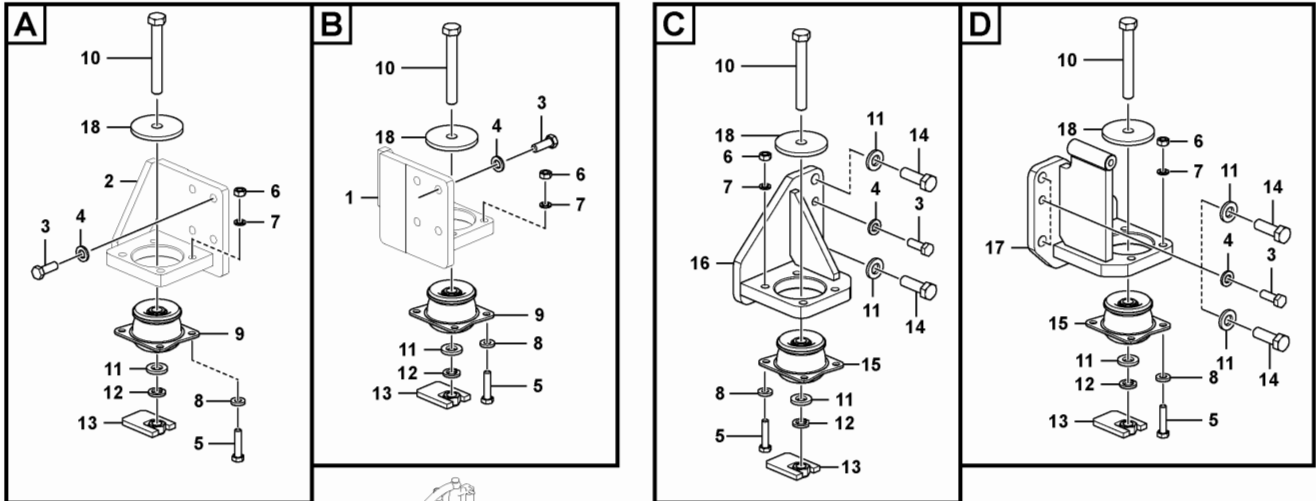
Volvo Construction
Equipment
1060243

Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21056546	1							Oil pan		
2	VOE22879098	1							Drain valve		(VOE20450851)
3	VOE993679	1							Gasket		
4	VOE20405792	22							Screw		
5	VOE20460021	1							Gasket		
6	VOE20478246	1							Hose connection		
7	VOE22077932	1							Dipstick		
8	VOE20460218	1							•O-ring		
9	VOE21056585	1							Guide tube		
10	VOE11700258	1					SS		Plug		
11	VOE21056599	1							Bracket		
12	VOE20405792	3							Screw		
13	VOE20405568	1							Clip		

14	VOE20460215	1							Clip		
15	VOE20451002	1							Clamp		
16	VOE20828295	1							Sealing ring		
17	VOE22383382	1							Level sensor		FX1006/SE2202, SE2205
18	VOE20513984	5							Strip clamp		

Date: 8/14/2025	Image id: 1078216	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 218/100	Title: Engine mounting

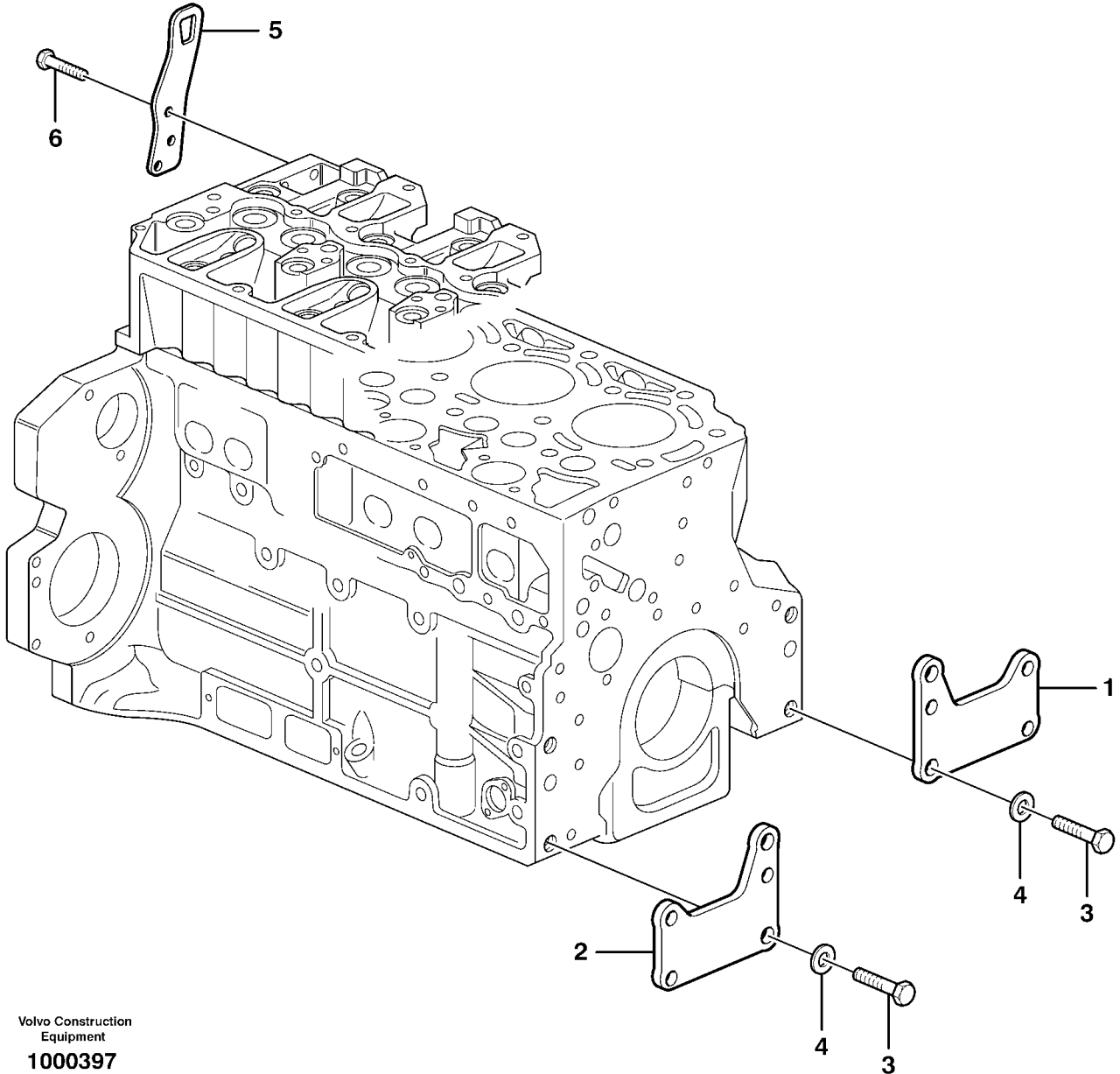


Volvo Construction
Equipment
1078216

Section option	Kit	Option description
VOE8294464		Basic Machine EC170D

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1					NS		Bracket		
2		1					NS		Bracket		
3	VOE997953	10							Hexagon screw		(VOE993029)
4	VOE60110297	10							Washer		(VOE992042)
5	VOE997934	16							Hexagon screw		(VOE993026)
6	VOE955922	16							Spring washer		
7	VOE983304	16							Hexagon nut		
8	VOE60111981	16							Washer		(VOE930842)
9	VOE14661334	2							Cushion		
10	VOE997469	4							Hexagon screw		(VOE980466)
11	VOE60110299	8							Washer		(VOE992045)
12	VOE955926	4							Spring washer		
13	VOE14674475	4							Nut		

Date: 8/14/2025	Image id: 1000397	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 218/200	Title: Engine mounting 17213163

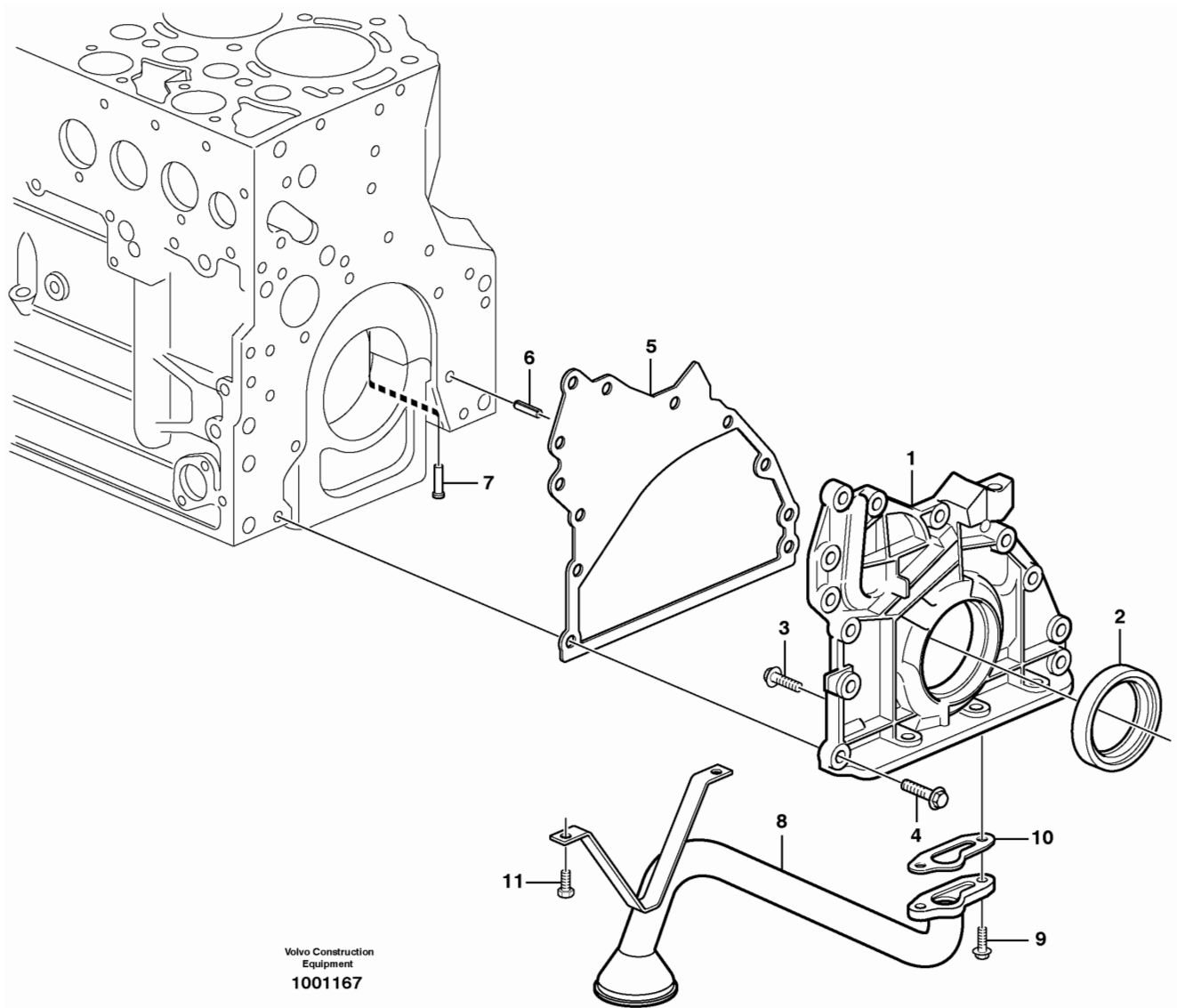


Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20723978	1							Bracket		
2	VOE20723984	1							Bracket		
3	VOE20535027	4							Screw		
4	VOE20405606	4							Washer		
5	VOE20450854	2							Lifting eye		

6	VOE996813	6						Flange screw		(VOE20450756)
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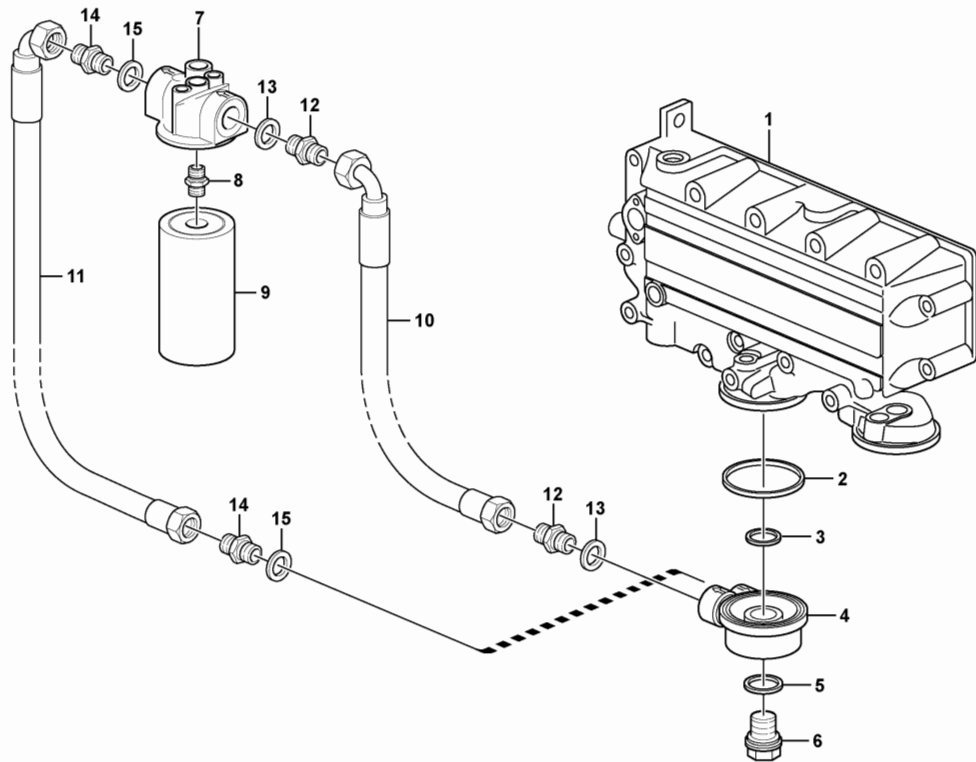
Date: 8/14/2025	Image id: 1001167	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 221/200	Title: Lubricating oil system 17213163



Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21618956	1							Lubricating oil pump		(VOE20726088)
2	VOE21496591	1							•Lip seal		(VOE20459168)
3	VOE20451738	8							•Screw		
4	VOE20412324	10							Screw		
5	VOE21531890	1							Gasket		(VOE20537029)
6	VOE20405603	1							Spring pin		
7	VOE20405561	4							Piston		

Date: 8/14/2025	Image id: 1051953	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 222/200	Title: Oil filter 17213163

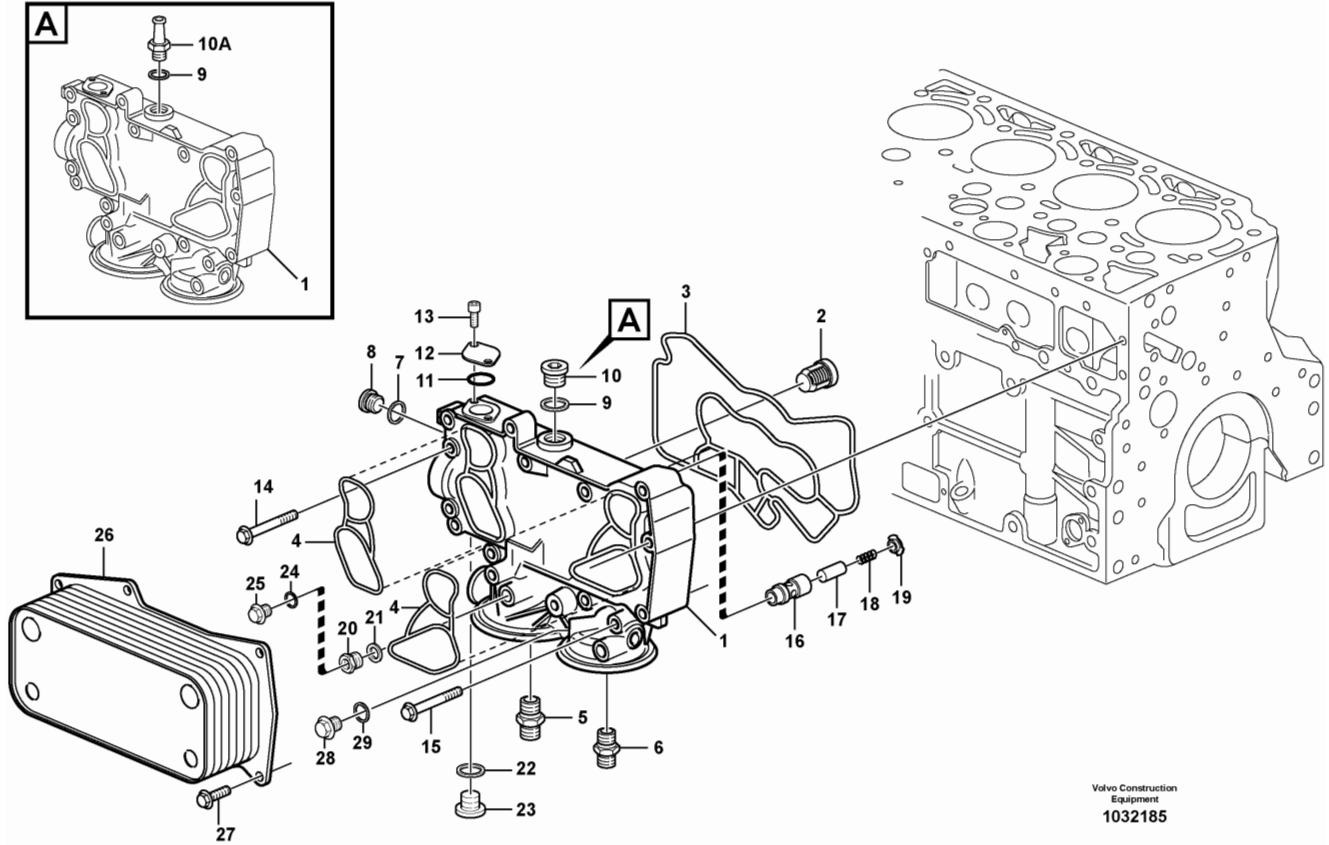


Volvo Construction
Equipment
1051953

Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Housing		
2	VOE20450992	1							Sealing ring		
3	VOE20405578	1							Sealing ring		
4	VOE24109158	1							Adapter		(VOE21317531)
5	VOE20450993	1							Sealing ring		
6	VOE22276683	1							Hollow Screw		(VOE20450991)
7	VOE22358673	1							Filter housing		(VOE21682041)
8	VOE20459201	1							Nipple		
9	VOE17457469	1							Oil filter		
10		1							Hose		
11		1							Hose		
12	VOE21317494	1							Electric socket		
13	VOE993407	2							Gasket		

Date: 8/14/2025	Image id: 1032185	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 223/100	Title: Oil cooler 17213163

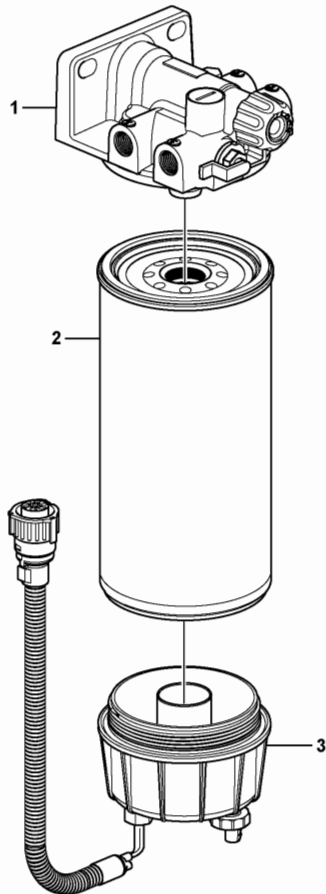


Section option	Kit	Option description
VOE17213163		Engine D4 TIER3

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21099793	1							Oil cooler		
2	VOE20459204	1							•Valve		
3	VOE20459203	1							•Gasket		
4	VOE21611489	2							•Gasket		
5	VOE20459201	1							•Nipple		
6	VOE20818370	1							•Bushing		
7	VOE13947622	1							•Plane gasket		
8	VOE20502245	1							•Plug		
9	VOE13947628	1							•Plane gasket		
10	VOE20459195	1							•Plug		
10A	VOE16846378	1							Nipple		(VOE20496519)
11	VOE20405599	1							•Sealing ring		
12	VOE11700609	1							•Cover		

13	VOE20459197	2							•Screw		
14	VOE20405672	5							•Screw		
15	VOE996812	3							•Flange screw		
16	VOE21100405	1							•Valve seat		
17	VOE20862028	1							•Plunger		
18	VOE21100407	1							•Spring		
19	VOE21100410	1							•Sleeve		
20	VOE21100412	1							•Adapter		
21	VOE13969011	1							•Gasket		(VOE20459972)
22	VOE20450890	1							Sealing ring		
23	VOE23197936	1							Plug		(VOE20496548)
24	VOE13947281	1							Gasket		
25	VOE20460239	1							Plug		
26	VOE21695997	1							Oil cooler		
27	VOE20405885	7							Screw		
28	VOE20459941	1							Plug		
29	VOE20459942	1							Sealing ring		

Date: 8/14/2025	Image id: 1062776	Catalogue: 20726	Model: EC170D
Brand: Volvo	Serial: 230001-230145	Group/Section: 233/100	Title: Water separator 8279541



Volvo Construction
Equipment
1062776

Section option	Kit	Option description
VOE8279541		Water separator without heater

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE11110709	1							Water separator		
1	VOE54864268	1							•Fuel filter housing		(VOE11110708)
2	VOE11110683	1							•Fuel filter		
3	VOE11110737	1							•Bowl		