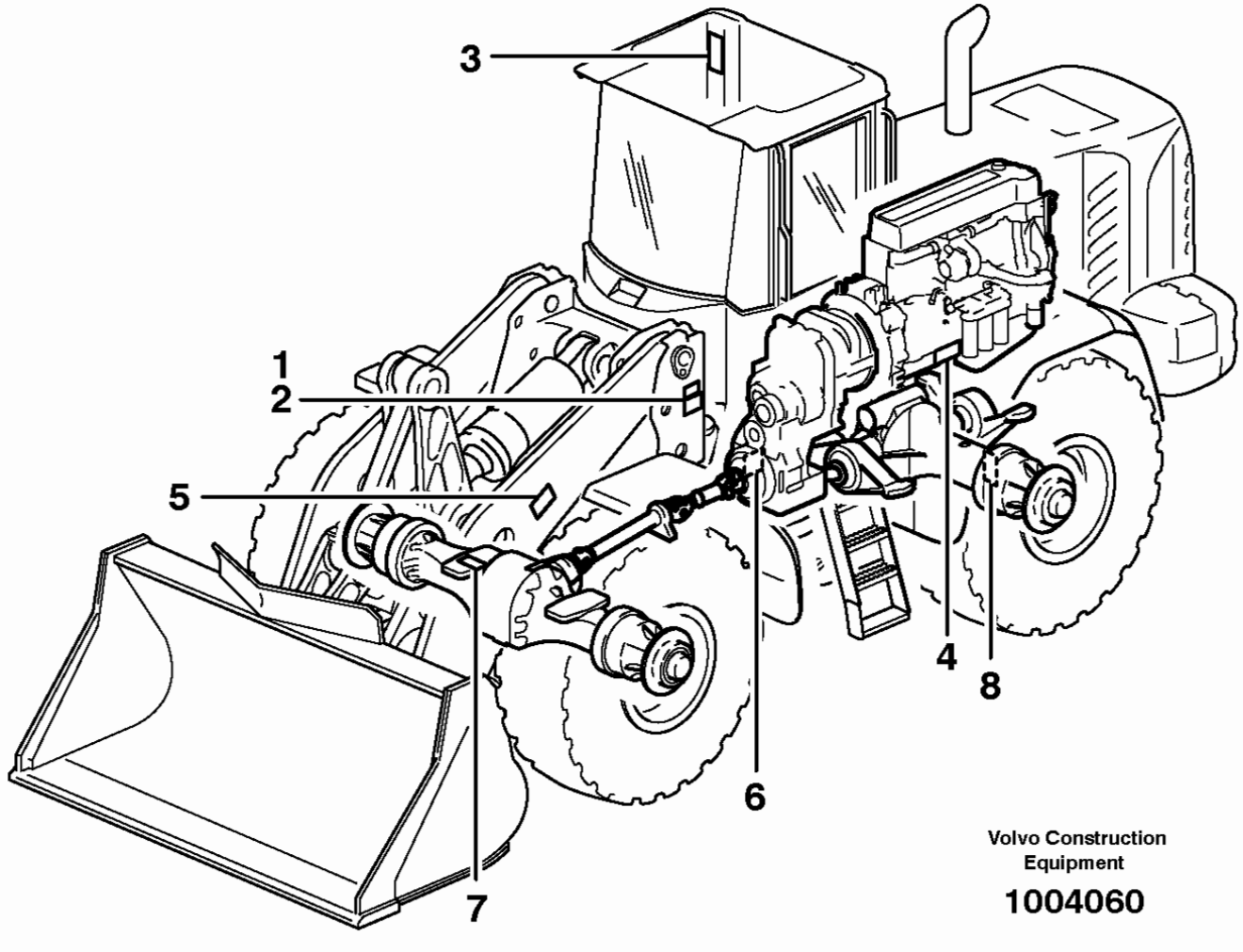
Product: L90E OR Volvo Wheel Loaders Part Manual1
Full Download: https://www.arepairmanual.com/downloads/l90e-or-volvo-wheel-loaders-part-manual1/

VOLVO

PROSIS Part Information

Date: **6/12/2026**	Image id: **1004060**	Catalogue: **20007**	Model: **L90E OR**
Brand: **Volvo**	Serial: **20005-80000**	Group/Section: **030/100**	Title: **Product identification plate**



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1									Product sign plate		
2									Assembly Sign Plate		
3									Driver's cab		
4									Engine sign plate		
5									Lifting Unit		
6									Power Transmission		
7									Drive axle front sign plate		
8									Drive axle rear sign plate		

Sample manual. Download All 713 pages at:
https://www.arepairmanual.com/downloads/l90e-or-volvo-wheel-loaders-part-manual1/

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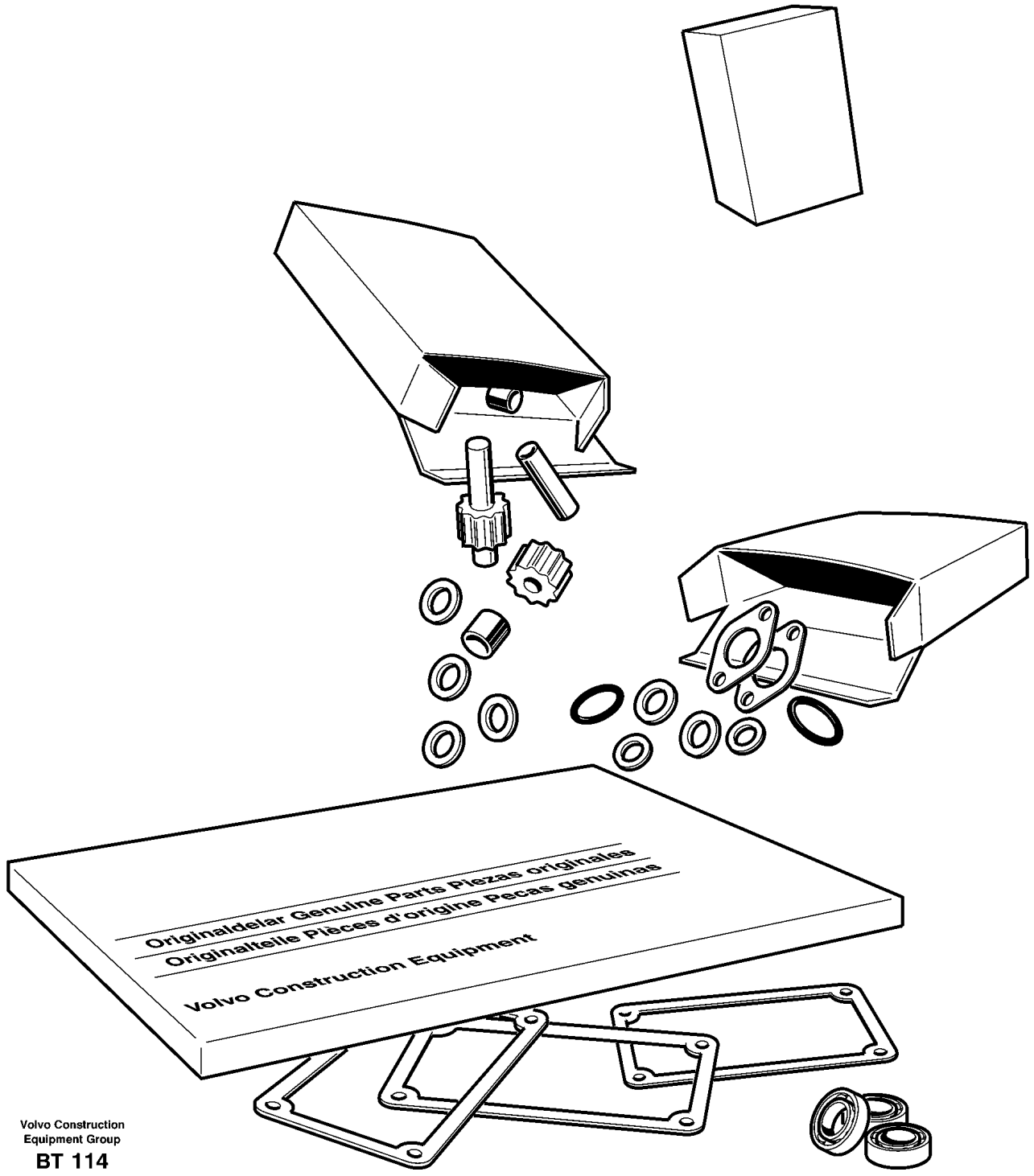
VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**BT114**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**210/50**	**Repair kits for engine**



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE11716553	1							Overhaul Kit		ENG - 1060653
	VOE11716554	1							Overhaul Kit		ENG 1060654 -
	VOE11712379	1							•Cylinder head kit		

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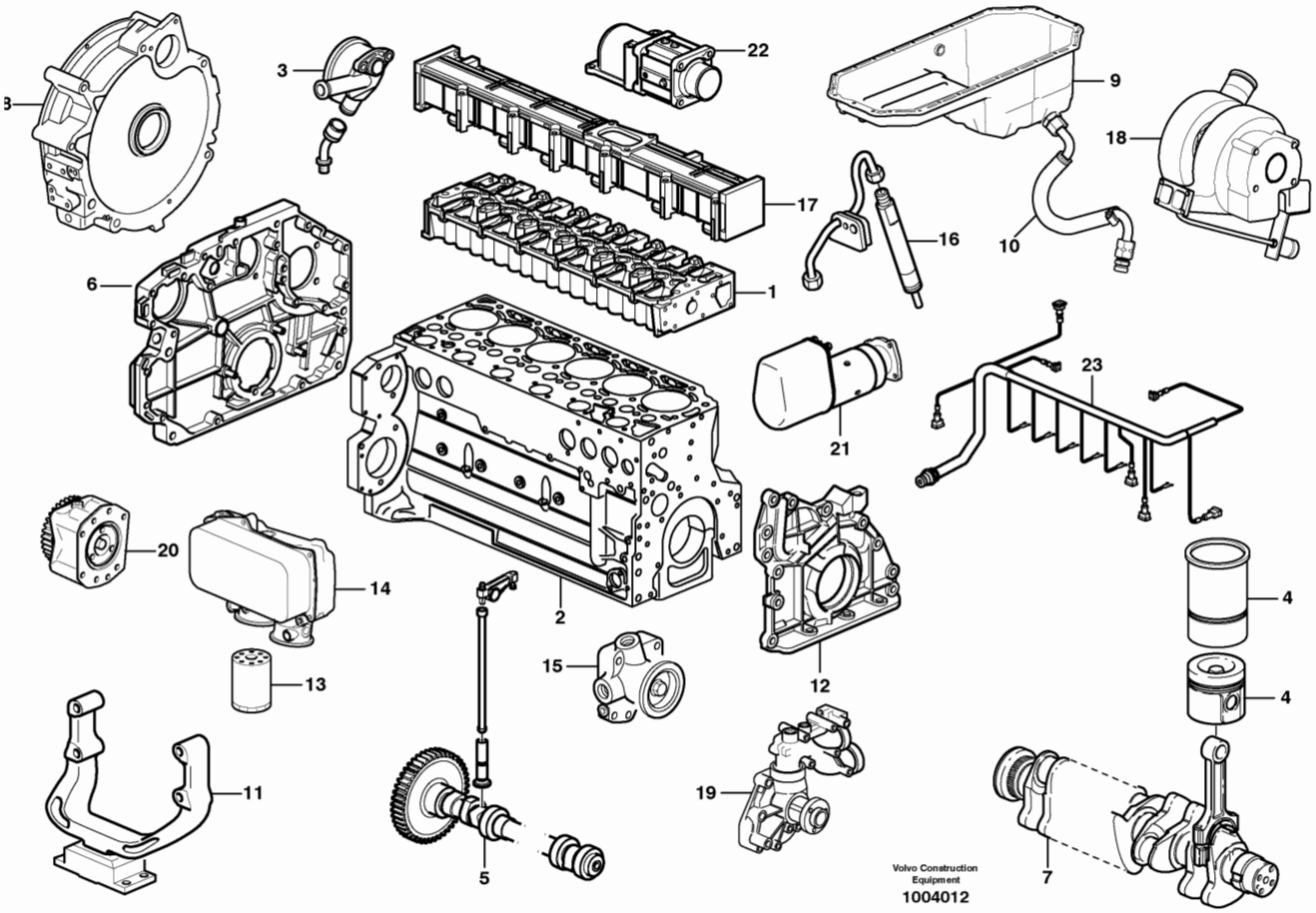
https://www.arepairmanual.com/downloads/l90e-or-volvo-wheel-loaders-part-manual1/

	VOE20854651	6							•Cyl Liner Kit		ENG - 1060653
	VOE20854654	6							•Cyl Liner Kit		ENG 1060654 -

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1004012**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**210/100**	**Engine**



Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

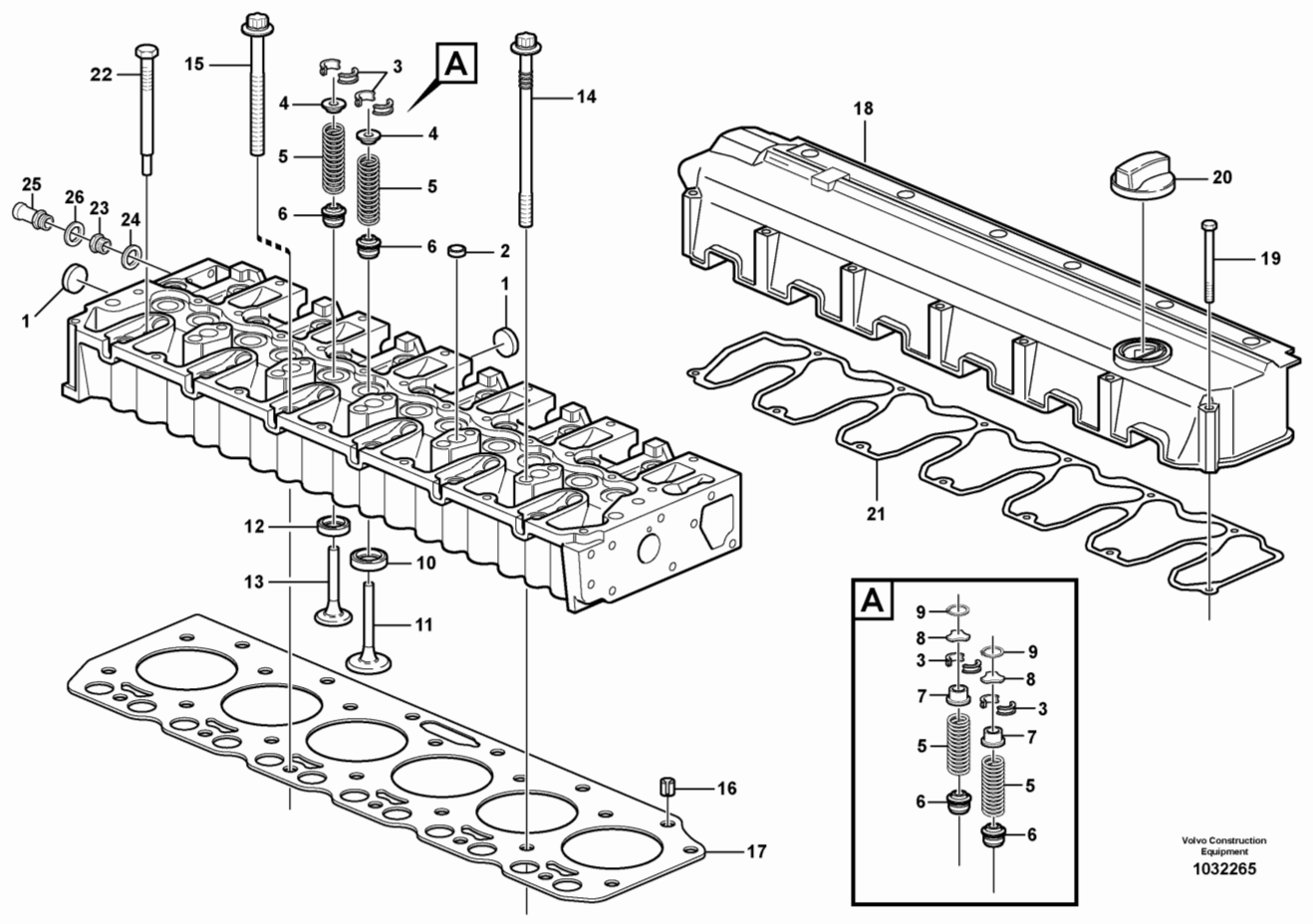
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE11172408	1					CS		Engine		D6DLAE2, REMAN VOE9011172408, VOE9411172408 (SHORT BLOCK), VOE9511172408 (LONG BLOCK)
1		1							•Cylinder head		See ref 211/100
2		1							•Cylinder block		See ref 212/100
3		1							•Crankcase ventilation		See 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							•Oil Draining		See ref 217/150
11		1							Engine suspension		NOT INCLUDED See ref 218/100
12		1							•Lubricating system		See ref 221/100
13		1							•Oil filter		See ref 223/100
14		1							•Oil cooler		See ref 223/100
15		1							•Fuel pump		See ref 233/100
16		1							•Fuel pipes		See ref 237/100
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 263/100
21		1							•Starter motor		See ref 331/100
22		1							•Pre-heater With Fitting P		See ref 333/200
23		1							•Cable Harness, Engine		See ref 371/150

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1032265**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**211/100**	**Cylinder head**



Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE20747867	1					SS		Cylinder head		ENG - 2006/01, REMAN VOE9020747867, VOE9021055823
	VOE21055823	1							Cylinder head		See footnote 1) ENG 2006/02 -, REMAN VOE9021055823
1	VOE20412745	5							•Core plug		
2	VOE20412733	5							•Core plug		
3	VOE23699488	24							•Valve cotter		(VOE20459857)
4	VOE20535037	12							•Washer		ENG - 2006/01
5	VOE20459851	12							•Valve spring		
6	VOE20459855	12							•Valve seal		
7	VOE20840747	12							•Spring disc		ENG 2006/02 -

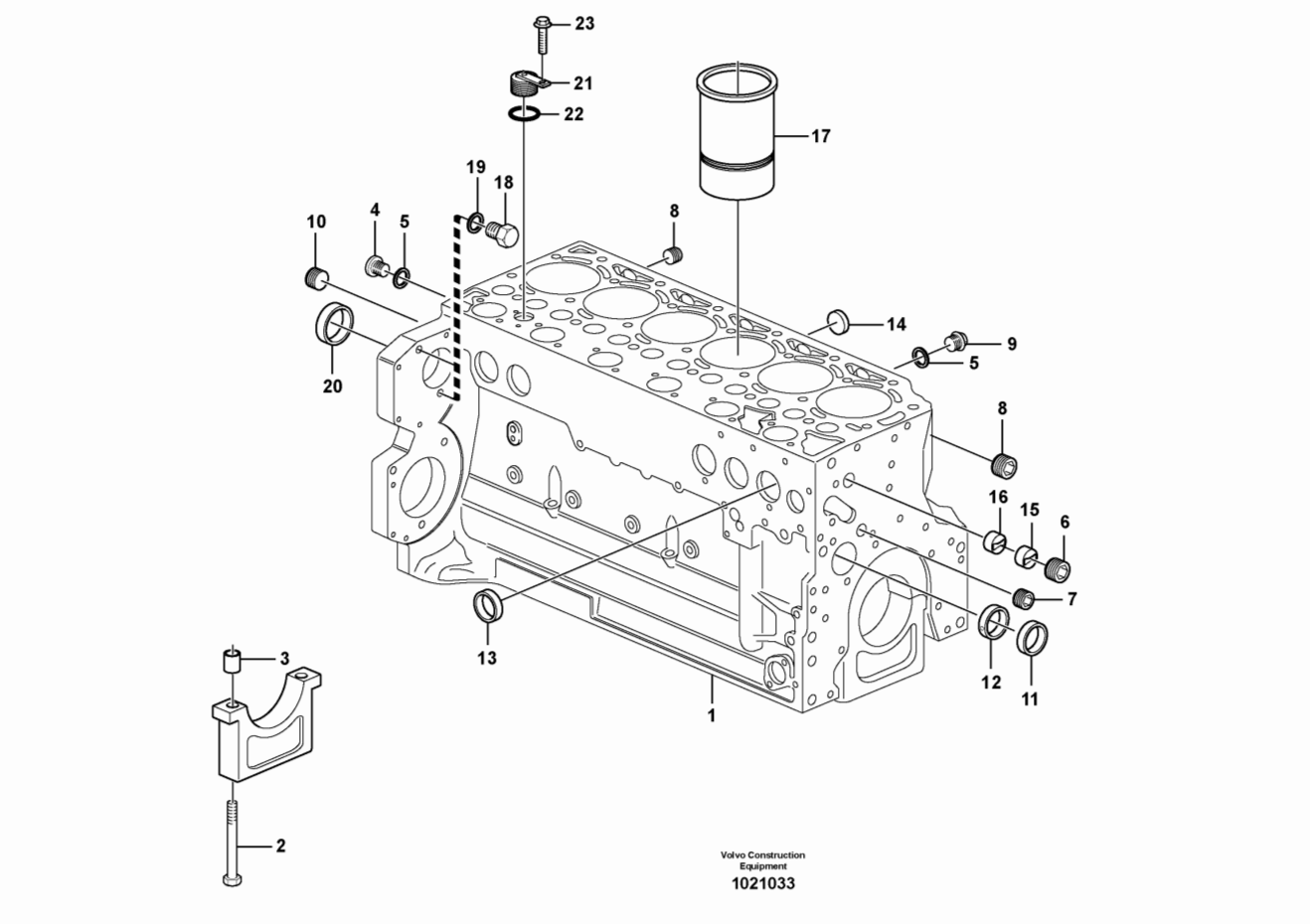
8	VOE20840807	12							•Thrust washer		
9	VOE20840772	12							•Lock ring		
10	VOE20459852	6							•Valve seat		
11	VOE20482741	6							•Inlet valve		(VOE20791517)ENG - 2006/01
11	VOE21026535	6							•Inlet valve		ENG 2006/02 -
12	VOE20459854	6							•Valve seat		
13	VOE20482742	6							•Exhaust valve		(VOE20459861)ENG - 2006/01
13	VOE21026536	6							•Exhaust valve		ENG 2006/02 -
14	VOE20459837	7							Bolt		
15	VOE20459838	19							Bolt		
16	VOE20459839	2							Bushing		
17	VOE20798183	1							Cylinder head gasket		(VOE24426690)1,27 MM
17	VOE20798186	1							Cylinder head gasket		(VOE24426691)1,37 MM
17	VOE20798191	1							Cylinder head gasket		(VOE24426692)1,47 MM
18	VOE20558810	1							Valve Cover		(VOE20459829)ENG - 620552
18	VOE20459831	1					SS		Valve cover		ENG 620553 - 859316
18	VOE20558810	1							Valve Cover		ENG 859317 -
19	VOE20459830	13							Screw		
20	VOE20412589	1							Filler cap		
21	VOE20459828	1							Gasket		ENG - 859316
21	VOE20558929	1							Gasket		ENG 859317 -
22	VOE21455743	6							Plug		(VOE20405895)
23	VOE20516927	1							Sealing ring		
24	VOE13969011	1							Gasket		
25	VOE20483764	1							Nipple		
26	VOE13947281	1							Gasket		

1) Replacement version

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1021033**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**212/100**	**Cylinder block**



Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

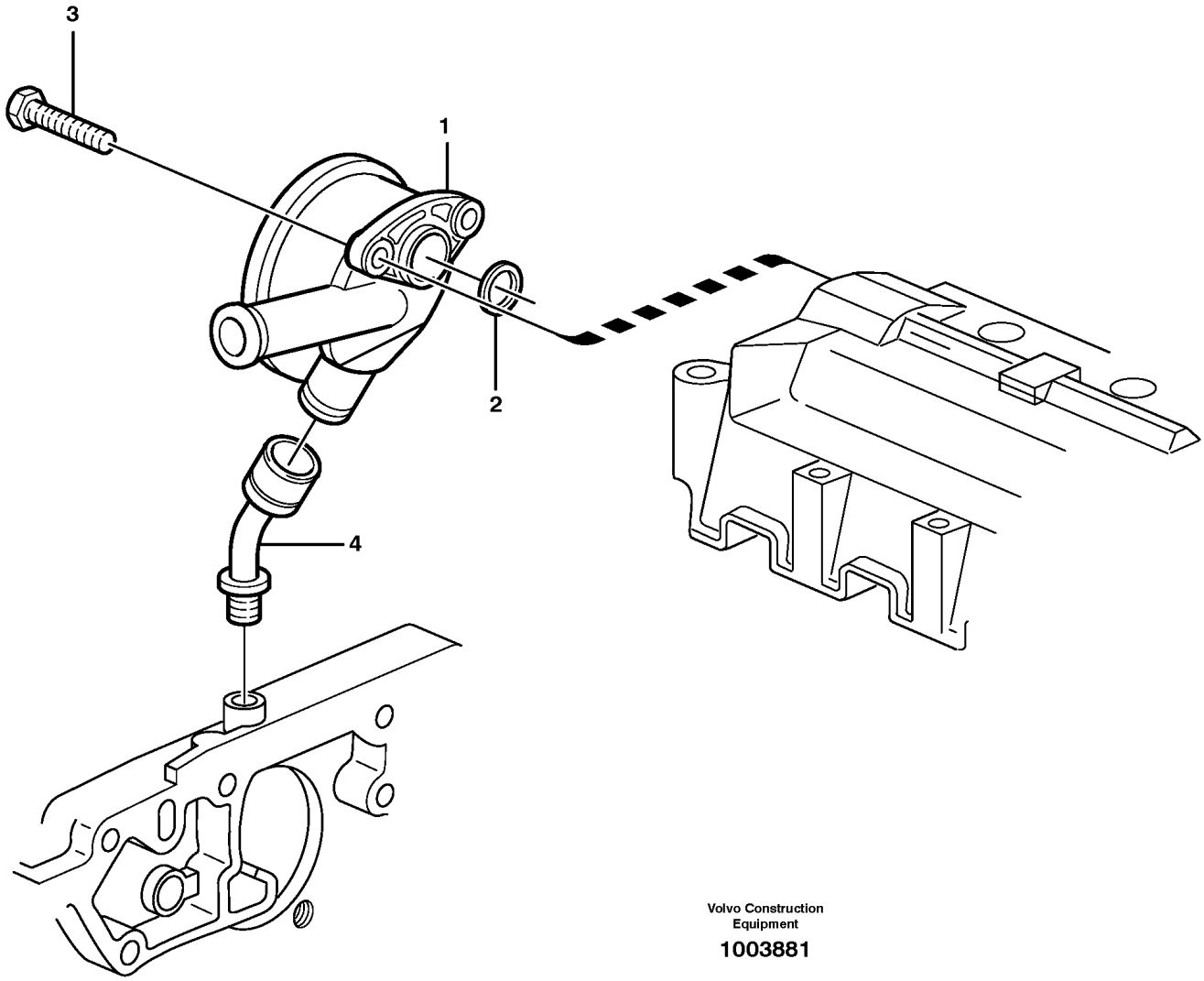
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20533309	1					SS		Cylinder Block		ENG - 01060658
1	VOE20785815	1					SS		Cylinder block		ENG 01060659 - 01099383
1	VOE22744763	1							Cylinder Block		(VOE21009708)ENG 01099384 -
2	VOE20460006	14							•Screw		ENG - 01099383
3	VOE20460001	14							•Bushing		ENG - 01099383
4	VOE945065	1							•Plug		
5	VOE13969011	3							•Gasket		
6	VOE20405717	1							•Plug		
7	VOE20405719	1							•Plug		ENG - 01099383
8	VOE20508600	2							•Plug		
9	VOE20405716	2							•Plug		
10	VOE20785813	1							•Plug		

11	VOE21774593	6							•Bearing bushing		(VOE20459999)
12	VOE20459998	1					SS		•Camshaft bushing		
13	VOE20405721	9							•Core plug		
14	VOE20412745	6							•Core plug		(VOE20450767)
15	VOE20405584	1							•Guide sleeve		
16	VOE20405906	1							•Guide sleeve		
17		6							•Cylinder Liner		NO PISTONS ETC. See ref 213/100
18	VOE20441859	2							Plug		(VOE20532680)
19	VOE13947281	2							Gasket		
20	VOE20450778	1							Core plug		
21	VOE20702078	1					SS		Plug		ENG - 01047118
	VOE20758137	1							Plug		ENG 01047119 -
22	VOE20405728	1							•Sealing ring		
23	VOE20711881	1							Screw		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1003881**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**212/150**	**Crankcase ventilation**



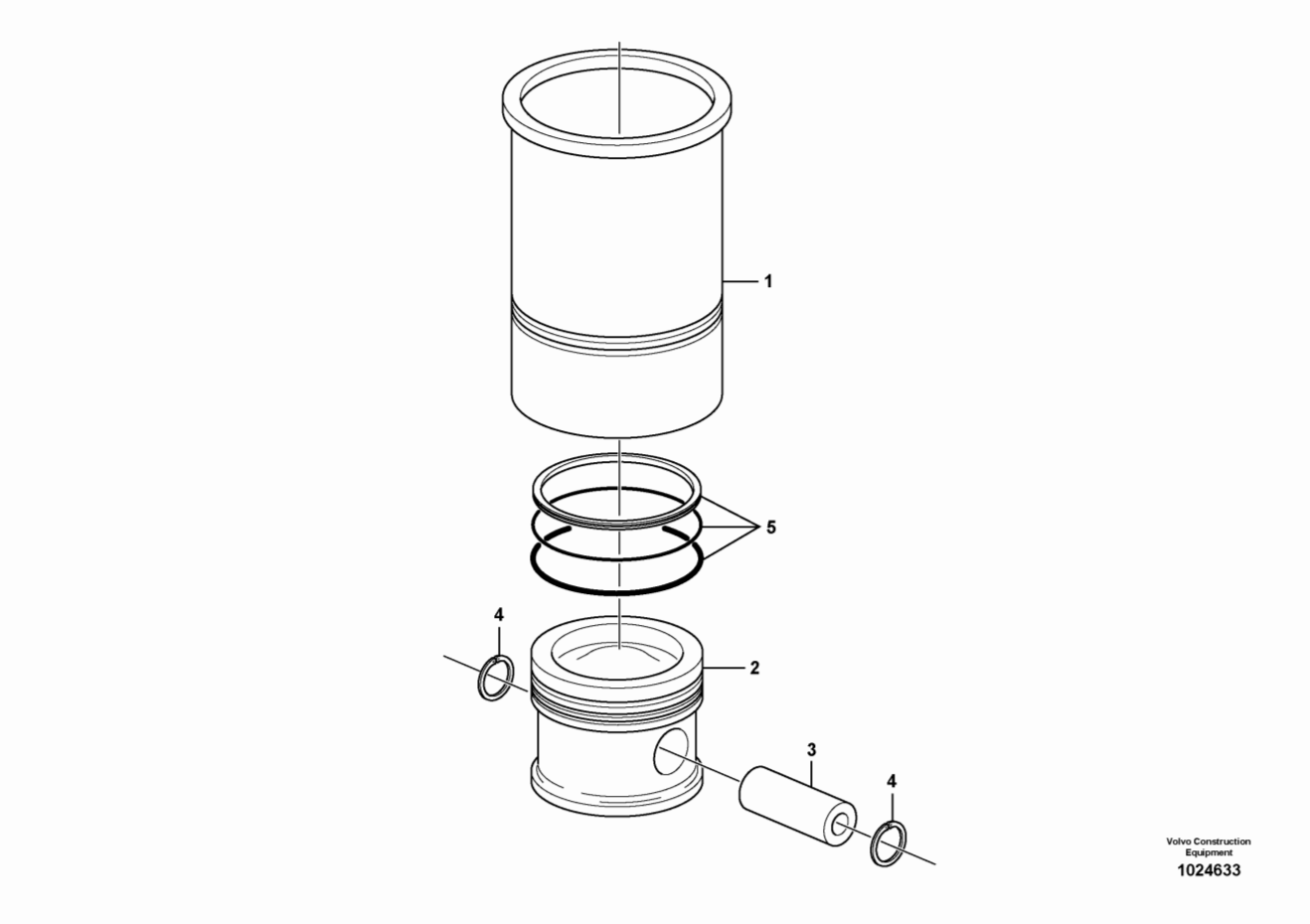
Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20459252	1					SS		Pressure regulator		
2	VOE20405627	1							Gasket		
3	VOE20450728	2							Bolt		(VOE20497047)
4	VOE20405938	1							Connector		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1024633**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**213/100**	**Cylinder liner and piston**



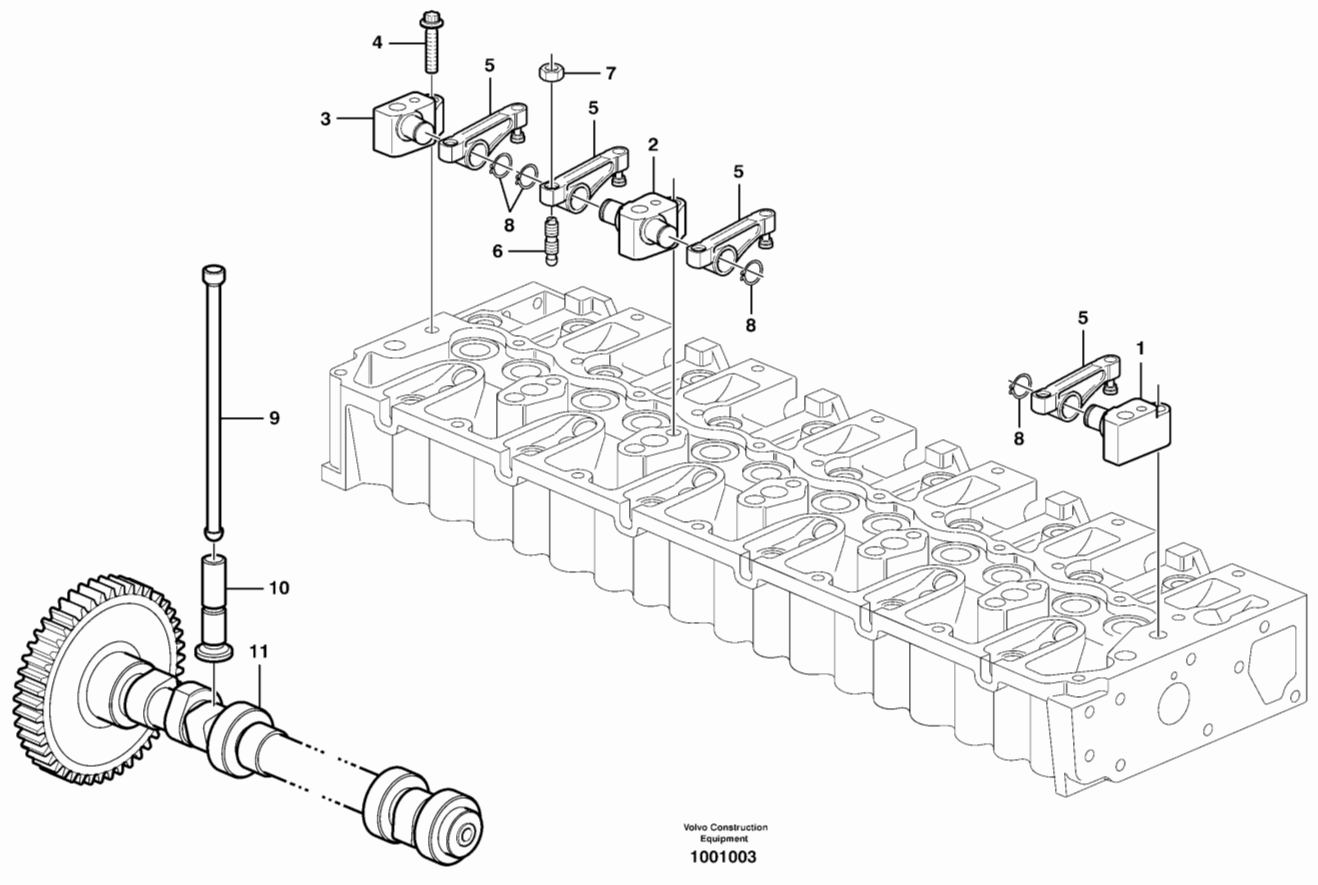
Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20854651	6							Cyl Liner Kit		ENG - 01060666
1	VOE20854654	6							Cyl Liner Kit		ENG 01060667 -
2		6					NS		•Piston		
3	VOE20460009	6							••Gudgeon pin		
4	VOE21159226	12							••Snap ring		(VOE20460010)
5	VOE20460011	6							••Piston ring kit		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1001003**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**214/100**	**Valve mechanism**



Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

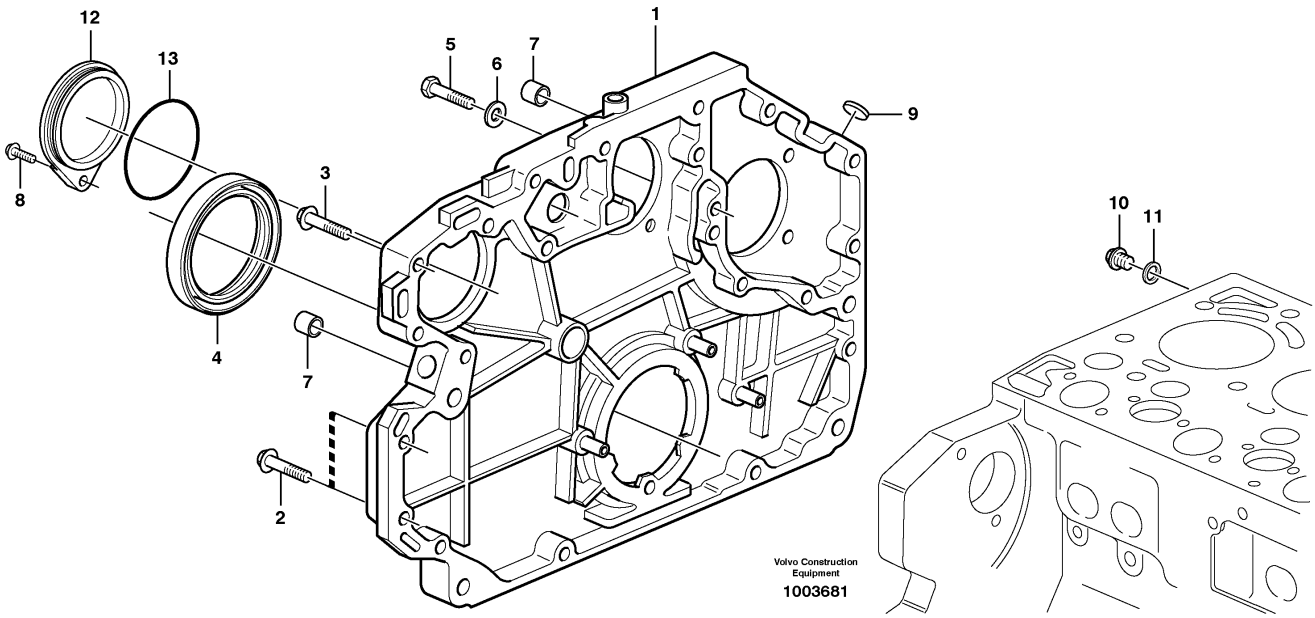
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20459848	1							Bracket		
2	VOE20459847	5							Bracket		
3	VOE20459849	1							Bracket		
4	VOE20459853	7							Screw		
5	VOE20459850	12							Rocker arm		ENG - 2006/01
5	VOE21448926	12							Rocker arm		(VOE20792876)ENG 2006/02 -
6	VOE20405524	12							Screw		ENG - 2007/08
6	VOE20913851	12							Adjusting Screw		ENG 2007/09 -
7	VOE11700373	12							Nut		
8	VOE945495	12							Snap ring		
9	VOE21345578	12							Tube		(VOE20460008)
10	VOE20460007	12							Tappet		
11	VOE20502005	1					SS		Camshaft		ENG - 01099344

11	VOE21352819	1							Camshaft		(VOE20973962)ENG 01099345 -

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1003681**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**215/100**	**Timing gear casing and gears**



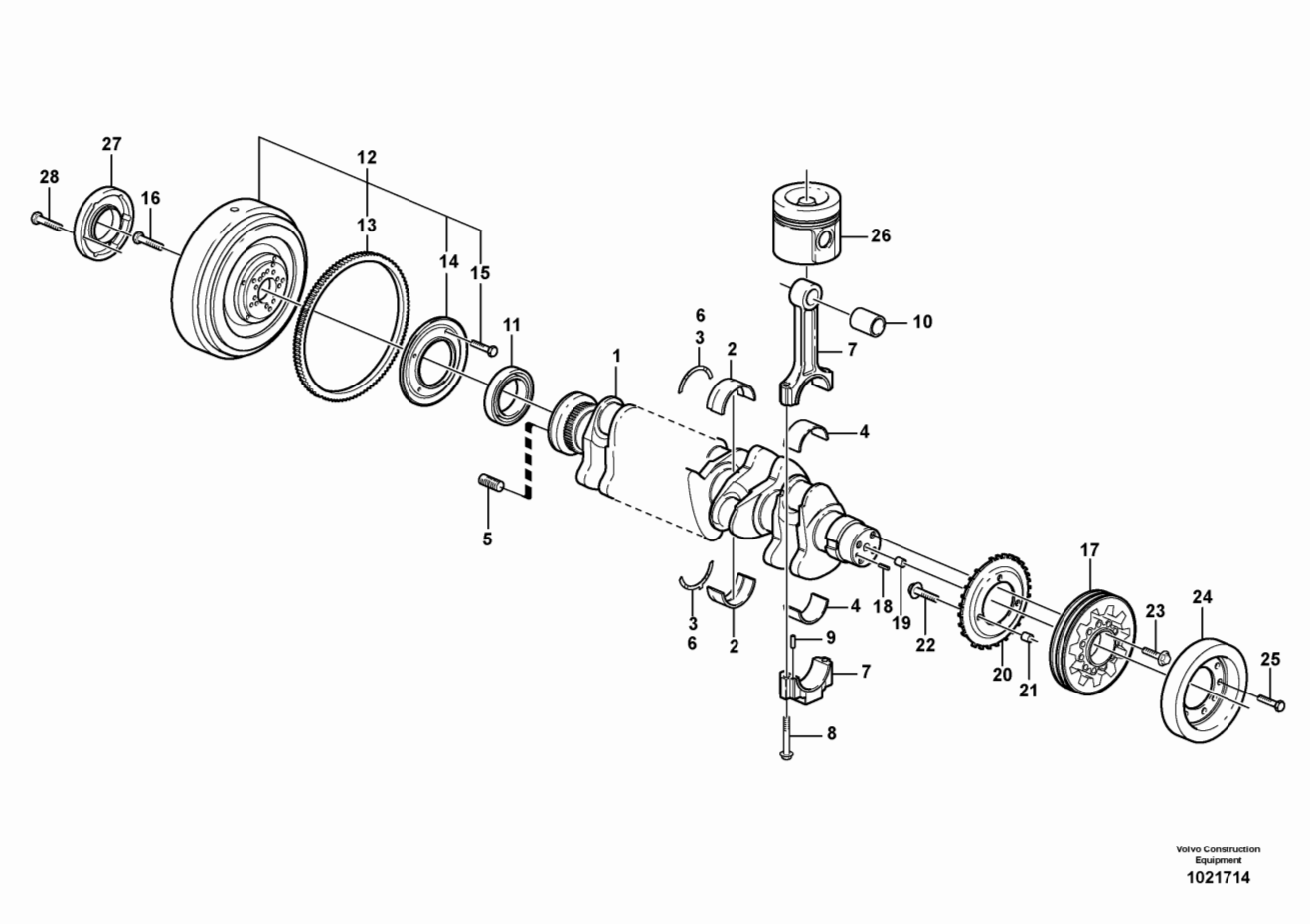
Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE22442987	1							Gear housing		(VOE20918119)
2	VOE20412324	12							Screw		
3	VOE20450801	3							Screw		
4	VOE21628356	1							Crankshaft seal		
5	VOE20405653	2							Screw		E PROD
6	VOE13955900	2							Washer		E PROD
7	VOE20405646	2							Bushing		ENG - 920347
7	VOE21455862	2							Bushing		(VOE20585971)ENG 920348 -
8	VOE20405672	1							Screw		
9	VOE20405605	1							Cover		
10	VOE960630	2							Plug		
11	VOE13947621	2							Plane gasket		
12	VOE20706651	1							Cover		(VOE20459901)
13	VOE20405652	1							O-ring		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1021714**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**216/100**	**Crankshaft and related parts**



Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

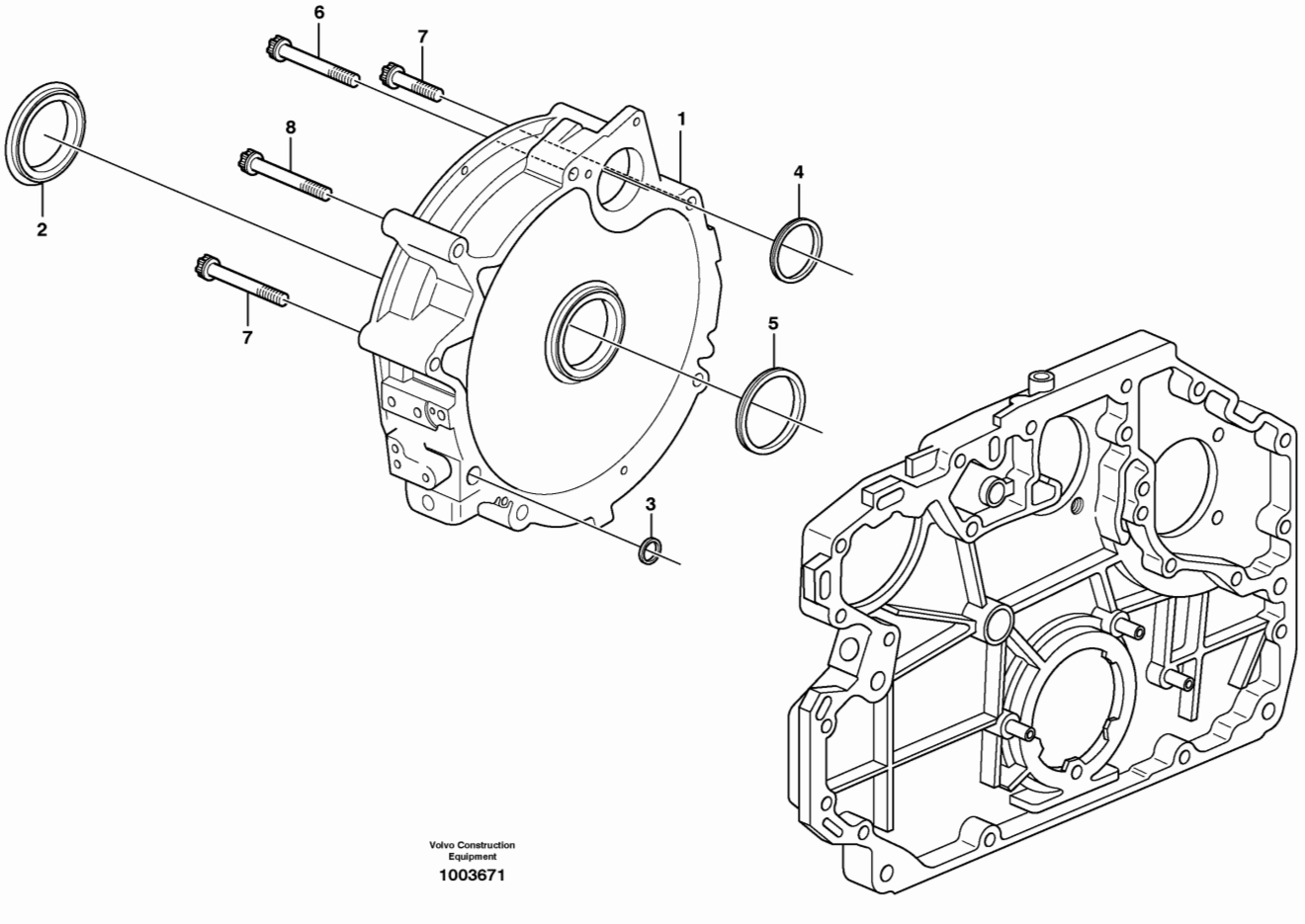
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20459146	1					SS		Crankshaft		ENG - 851836, REMAN VOE9020459146, VOE9020769707
	VOE20769707	1					SS		Crankshaft		ENG 851837 - 1022790, REMAN VOE9020769707, VOE9020892713
	VOE21351400	1							Crankshaft		(VOE20785969)ENG 1022791 - 1099383, REMAN VOE9020892713, VOE9021351400
	VOE21351400	1							Crankshaft		(VOE20892713)ENG 1099384 -, REMAN VOE9020892713, VOE9021351400

2	VOE20459140	7							Main bearing		STD 84,00 MM
	VOE20459139	7							Main Bearing		U SZ 83,75 MM
3	VOE20459149	REQ							Thrust washer		STD WID 14 MM THICK 2,0 MM
	VOE20459148	REQ							Thrust Washer		WID 14 MM THICK 2,2 MM
4	VOE20555403	6							Bearing		ENG - 695616 STD 63,00 MM
	VOE20459147	6							Bearing		ENG - 695616 U SZ 62,75 MM
	VOE20480536	6							Bearing		ENG 695617 - STD 63,00 MM
	VOE20522433	6							Bearing		ENG 695617 - U SZ 62,75 MM
5	VOE20459144	1							Insert		
6	VOE20459143	REQ							Washer		STD WID 10 MM THICK 2,00 MM
	VOE20459142	REQ							Thrust Washer		WID 10 MM THICK 2,2 MM
7	VOE23776295	6							Connecting Rod		(VOE20882905)
8	VOE20459133	12							•Bolt		
9	VOE20459134	12							•Pin		
10	VOE20523284	6							•Bushing		
11		1							Crankshaft Seal		See ref 215/100
12	VOE20459127	1					SS		Flywheel		ENG - 876577
	VOE20917910	1							Flywheel		ENG 876578 -
13	VOE24212708	1							•Ring gear		(VOE11700320)
14	VOE20918003	1							•Ring		(VOE11700321)
15	VOE20450834	4							•Screw		(VOE11700322)
16	VOE20450835	10							Screw		(VOE11700307)
17	VOE20516985	1							Pulley		
18	VOE20450628	1							Pin		
19	VOE20405634	1							Spring pin		
20	VOE20459157	1							Lock washer		
21	VOE20450838	1							Pin		
22	VOE975108	3							Flange screw		(VOE888289)
23	VOE20405724	4							Screw		
24	VOE21165424	1							Vibration damper		(VOE20585446)
25	VOE975108	9							Flange screw		(VOE888289)
26		6							Piston		See ref 213/100
27	VOE20460793	1							Flange		
28	VOE20459126	5							Screw		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1003671**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**216/150**	**Flywheel housing**



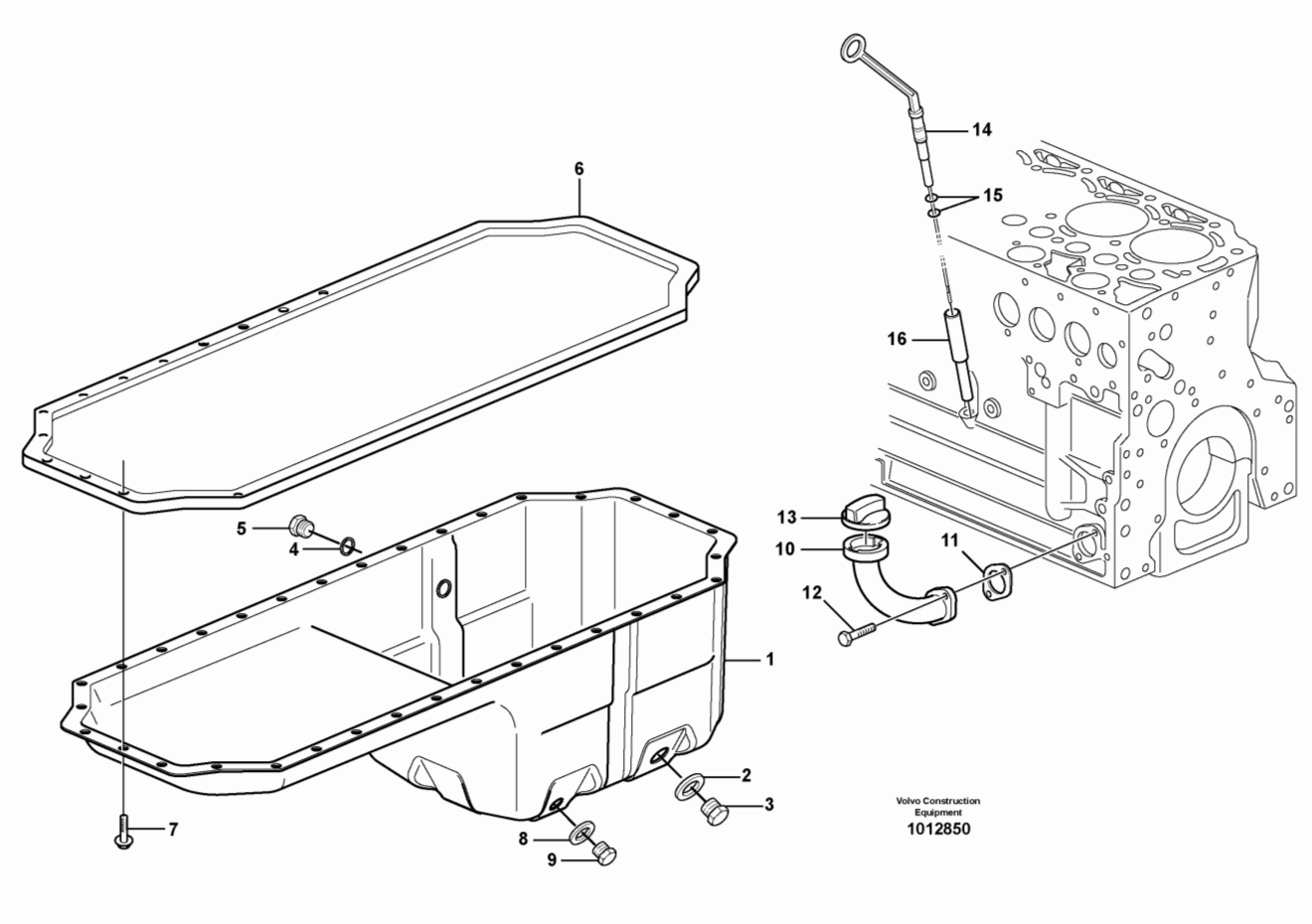
Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20459988	1					SS		Flywheel housing		
2	VOE20450784	1							•Labyrinth ring		(VOE11700592)
3	VOE20459993	4							O-ring		
4	VOE20459994	1							Sealing ring		
5	VOE20450786	1							Sealing ring		(VOE11700599)
6	VOE20459991	3							Screw		
7	VOE20460931	2							Screw		
8	VOE20459995	4							Screw		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1012850**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**217/100**	**Oil sump**

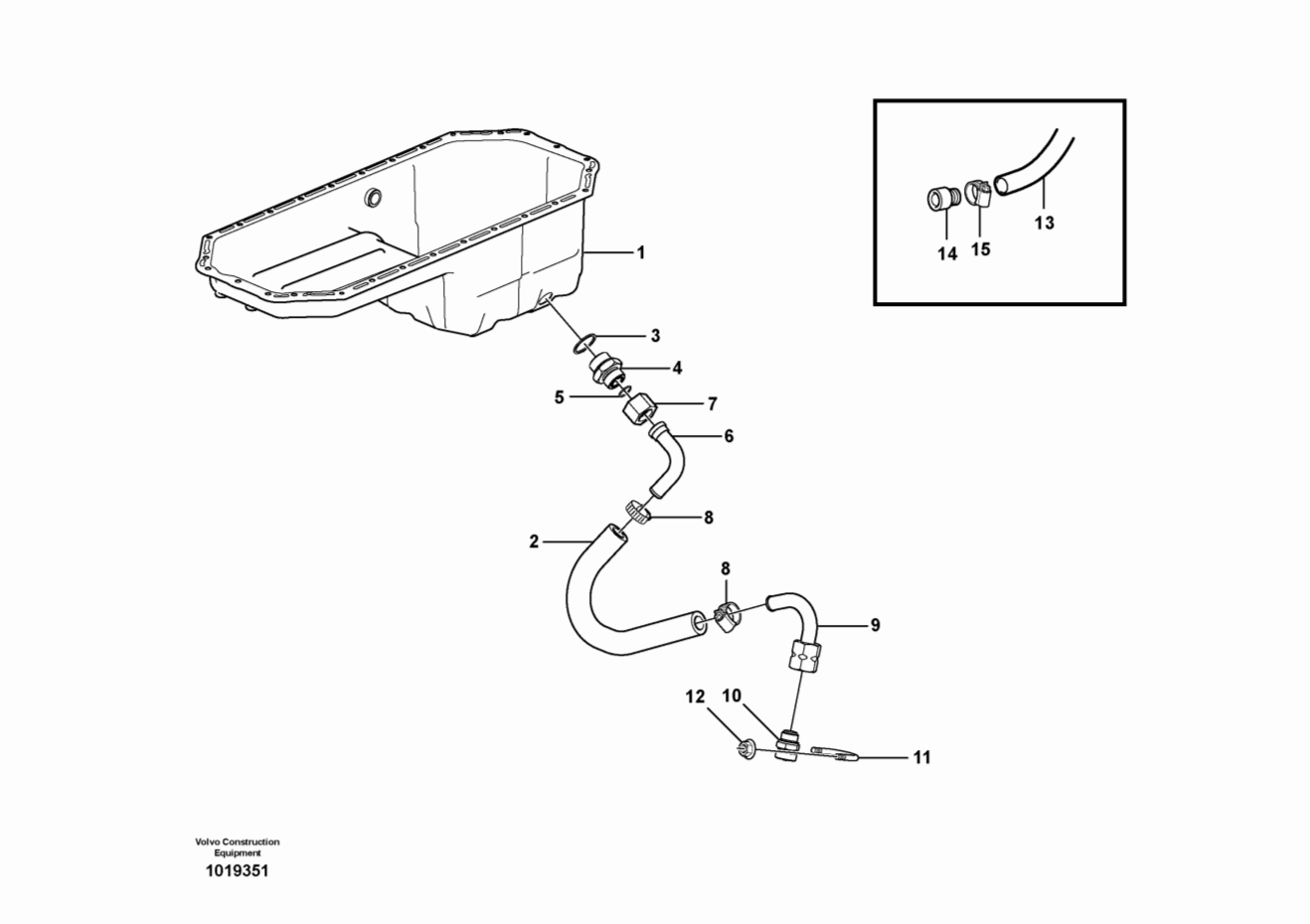


Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21618972	1							Oil pan		(VOE21109768)
2	VOE20496256	1							•Gasket		
3	VOE20496257	1							•Plug		
4	VOE20460026	1							•Sealing ring		
5	VOE20460024	1							•Plug		
6	VOE20460022	1							Gasket		
7	VOE20405792	28							Screw		
8	VOE13947624	1							Plane gasket		(VOE7011998)
9	VOE60112461	1							Plug		(VOE20405506)
10	VOE20977060	1							Tube		
11	VOE20405825	1							Gasket		
12	VOE20405885	2							Screw		
13	VOE20412589	1							Filler cap		(VOE20405835)

14	VOE20564005	1							Dipstick		
15	VOE20412343	2							•Sealing ring		
16	VOE23091815	1							Guide tube		(VOE20459164)

Date: **6/12/2026**	Image id: **1019351**	Catalogue: **20007**	Model: **L90E OR**
Brand: **Volvo**	Serial: **20005-80000**	Group/Section: **217/150**	Title: **Drain line, oil sump STD, OPEN ROPS**



Section option	Kit	Option description
VOE33278		Wheel Loader
VOE33286		Wheel loader L90E OPEN ROPS

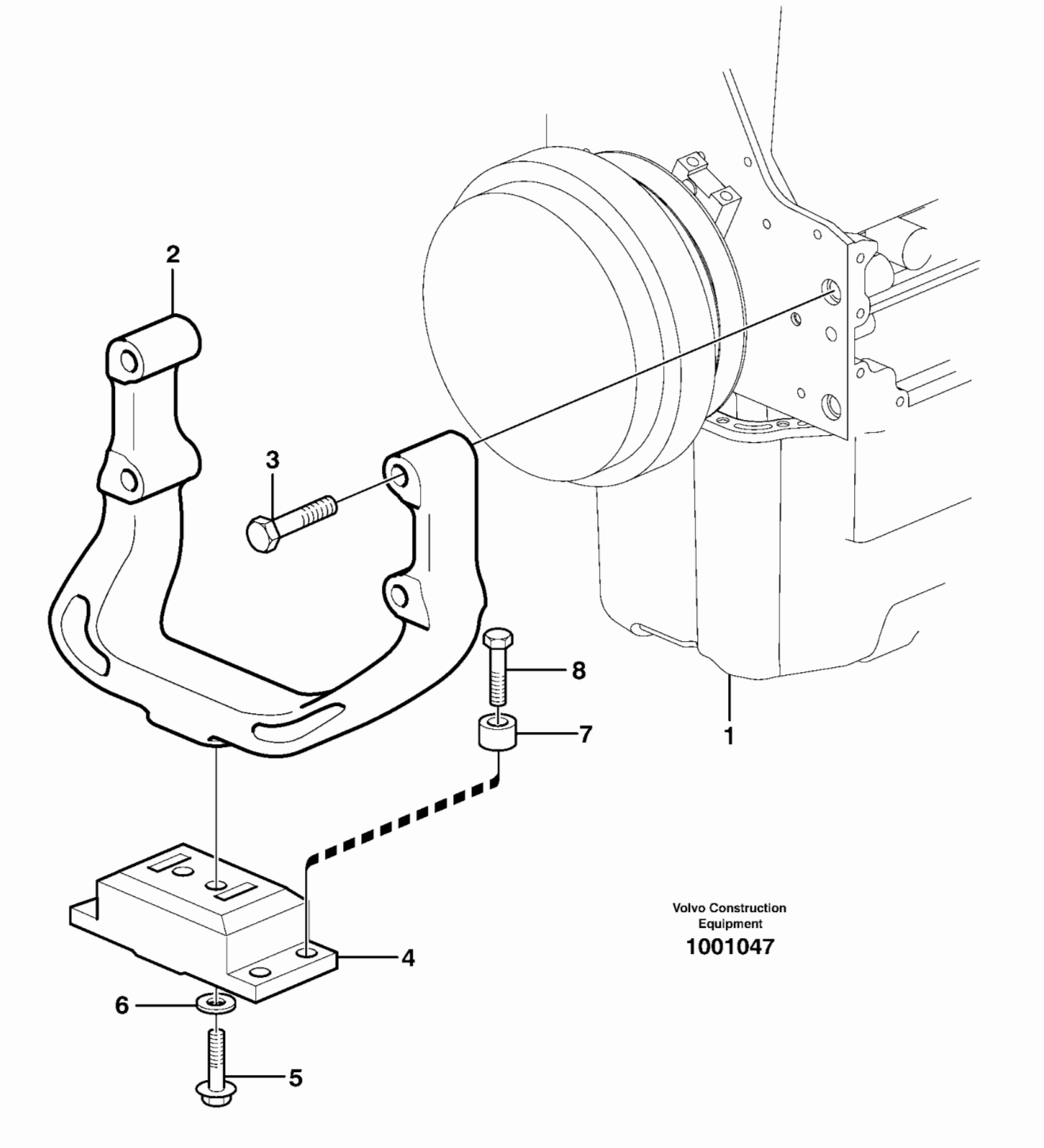
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Oil Pan		See ref 217/100
2	VOE11000285	REQ							Rubber hose		L = 490 MM
3	VOE13947630	1							Gasket		
4	VOE11163064	1							Nipple		
5	VOE981289	1							O-ring		
6	VOE11410190	1							Drain tube		
7	VOE13933877	1							Nut		
8	VOE13943474	2							Hose clamp		(VOE943473)
9	VOE11173508	1							Drain tube		
10	VOE11054692	1							Valve		
11	VOE11130269	1							Clamp		
12	VOE60113167	2							Flange lock nut		(VOE948645)

13	VOE11154125	1							Hose		
14	VOE16027695	1							Nipple		(VOE11054659)
15	VOE13943474	1							Hose clamp		(VOE943473)

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1001047**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**218/100**	**Engine mounting STD, OPEN ROPS**



Section option	Kit	Option description
VOE33278		Wheel Loader
VOE33286		Wheel loader L90E OPEN ROPS

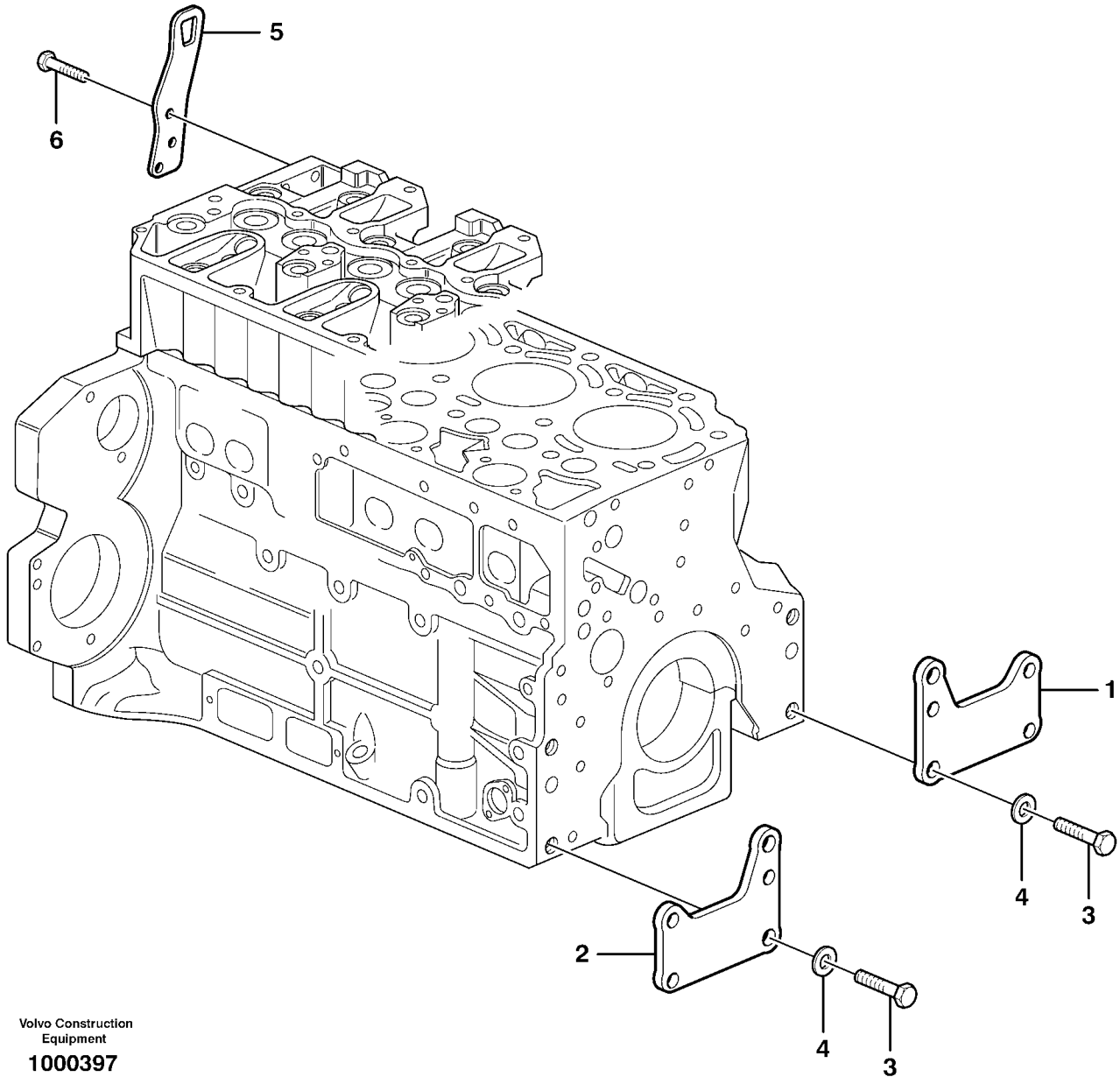
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark

1		1							Engine		See ref 210/100
2	VOE11172117	1							Engine anchorage		
3	VOE963320	4							Hexagon screw		
4	VOE20503551	1							Rubber cushion		
5	VOE60113123	2							Flange screw		(VOE13966362)
6	VOE930844	2							Plain washer		
7	VOE60113599	4							Spacer sleeve		(VOE11025923)
8	VOE60113111	4							Flange screw		(VOE13965193)

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1000397**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**218/150**	**Engine mounting 11172408**

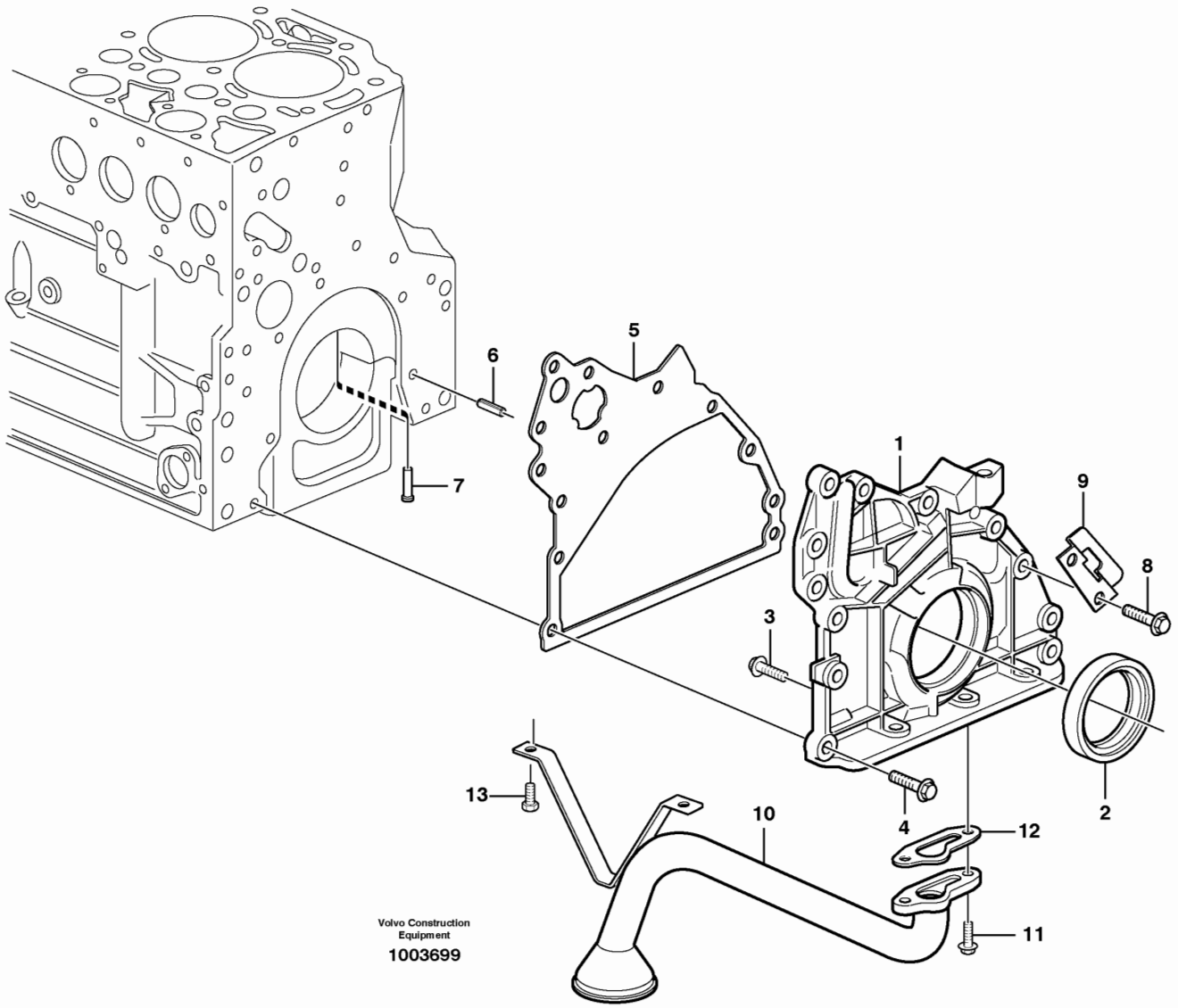


Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20723978	1							Bracket		
2	VOE20723984	1							Bracket		
3	VOE20535027	4							Screw		
4	VOE20405606	4							Washer		
5	VOE20450854	2							Lifting eye		
6	VOE996813	6							Flange screw		(VOE20450756)

VOLVO

PROSIS Part Information

Date: **6/12/2026**	Image id: **1003699**	Catalogue: **20007**	Model: **L90E OR**
Brand: **Volvo**	Serial: **20005-80000**	Group/Section: **221/100**	Title: **Lubricating oil system**



Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

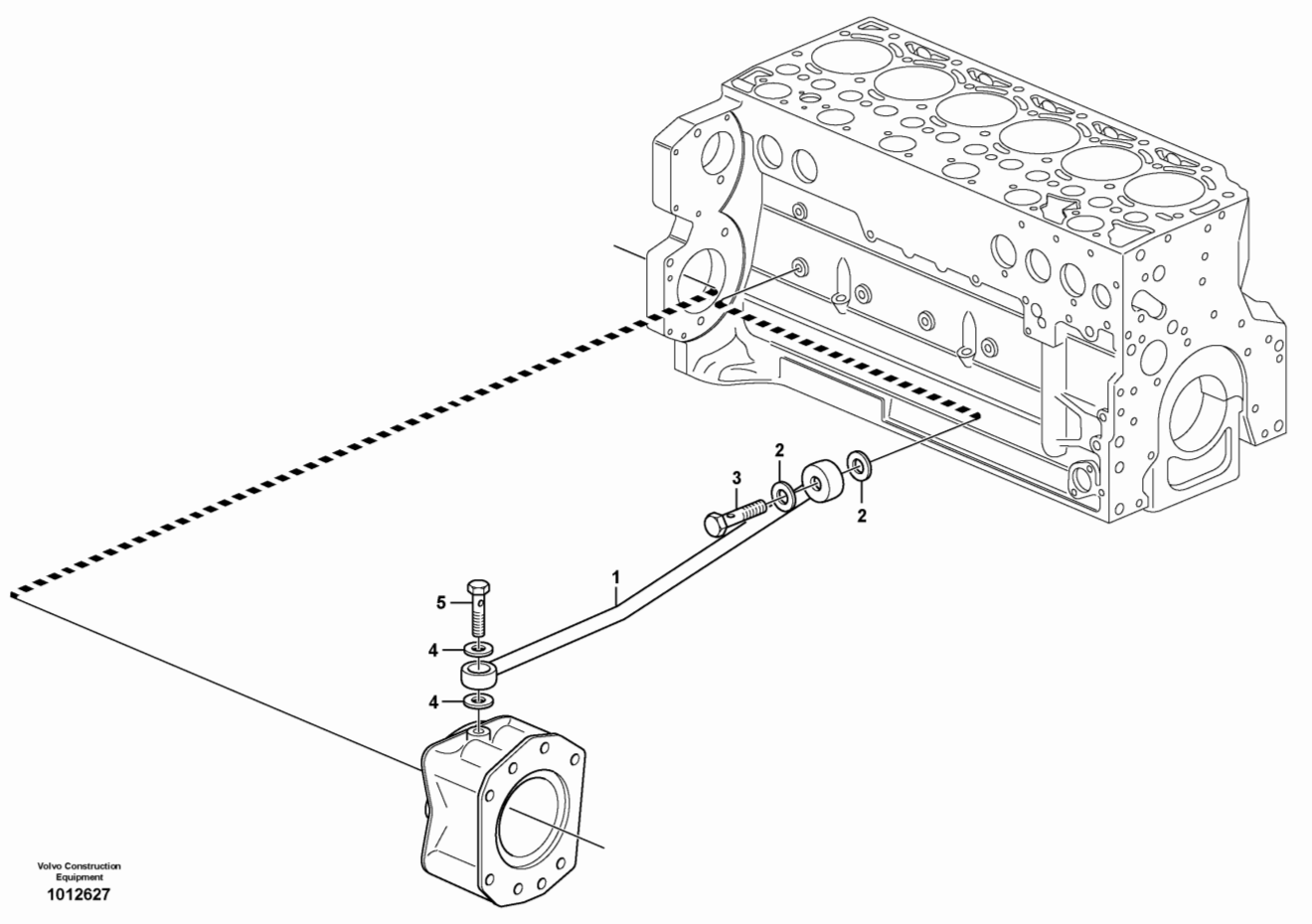
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20502113	1					SS		Oil pump		ENG - 912541
	VOE21489736	1					SS		Oil pump		(VOE20574451)ENG 912542 -
2	VOE21496591	1							•Lip seal		(VOE20459168)
3	VOE20451738	8							•Screw		
4	VOE20412324	10							Screw		
5	VOE21531890	1							Gasket		(VOE20459161)
6	VOE20405603	1							Spring pin		

7	VOE20405561	6							Piston		
8	VOE20739886	2							Screw		
9	VOE20557401	1					CS		Bracket		ENG - 912541
	VOE21554124	1							Bracket		(VOE20739882)ENG 912542 -
10	VOE20496392	1							Oil pipe		
11	VOE20405709	2							Screw		
12	VOE20405888	1							Gasket		(VOE11700391)
13	VOE13949578	2					SS		Screw		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1012627**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**221/200**	**Lubricating oil system**



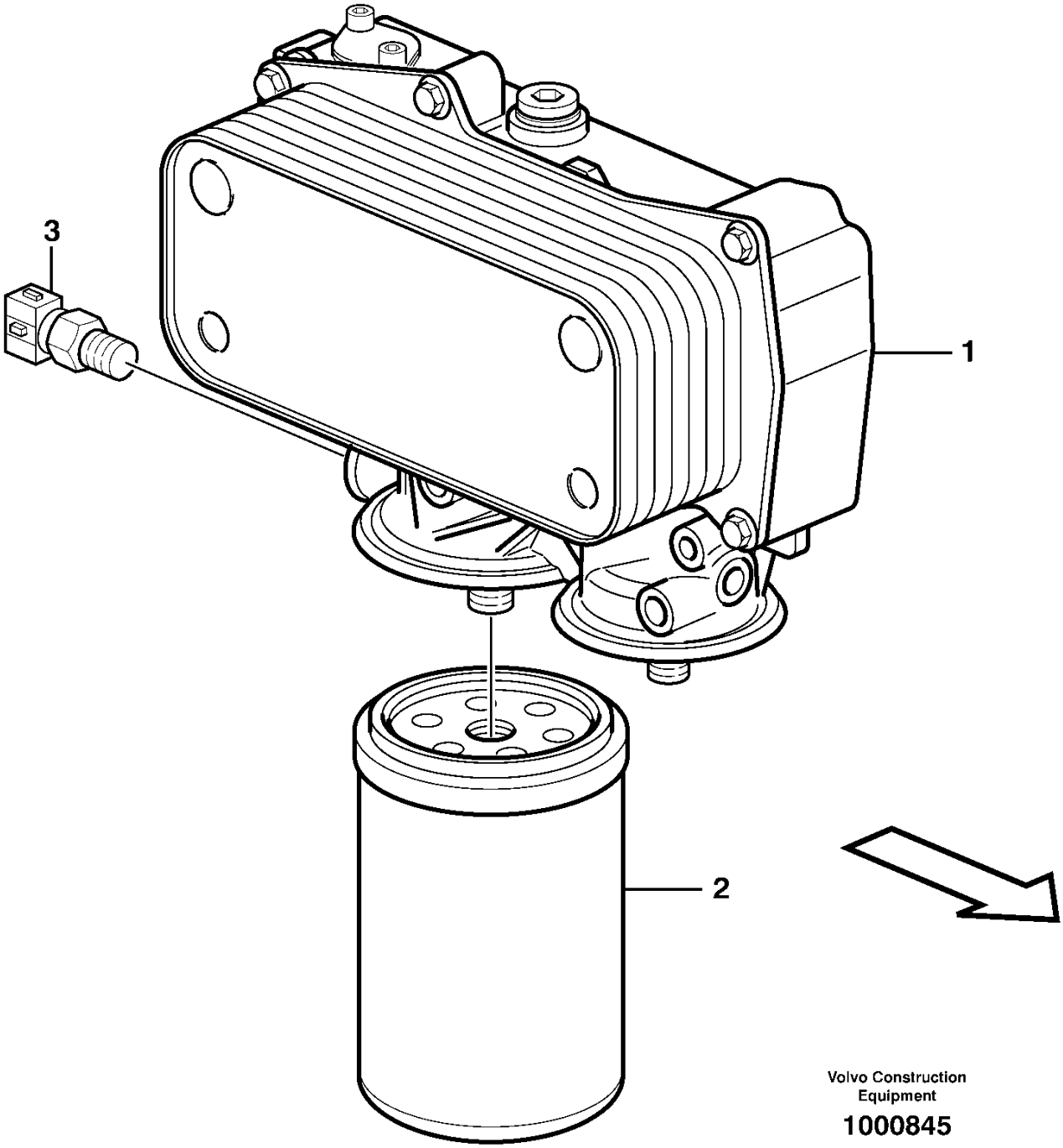
Section option	Kit	Option description
VOE14524530		Engine

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE20459170	1							Oil line		
2	VOE13947621	2							Plane gasket		
3	VOE20460936	1							Hollow screw		
4	VOE13947281	2							Gasket		
5	VOE60113509	1							Hollow screw		(VOE20460231)

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/12/2026	**1000845**	**20007**	**L90E OR**
Brand:	Serial:	Group/Section:	Title:
Volvo	**20005-80000**	**222/100**	**Oil filter**



Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Oil Filter Hsg		See ref 223/100

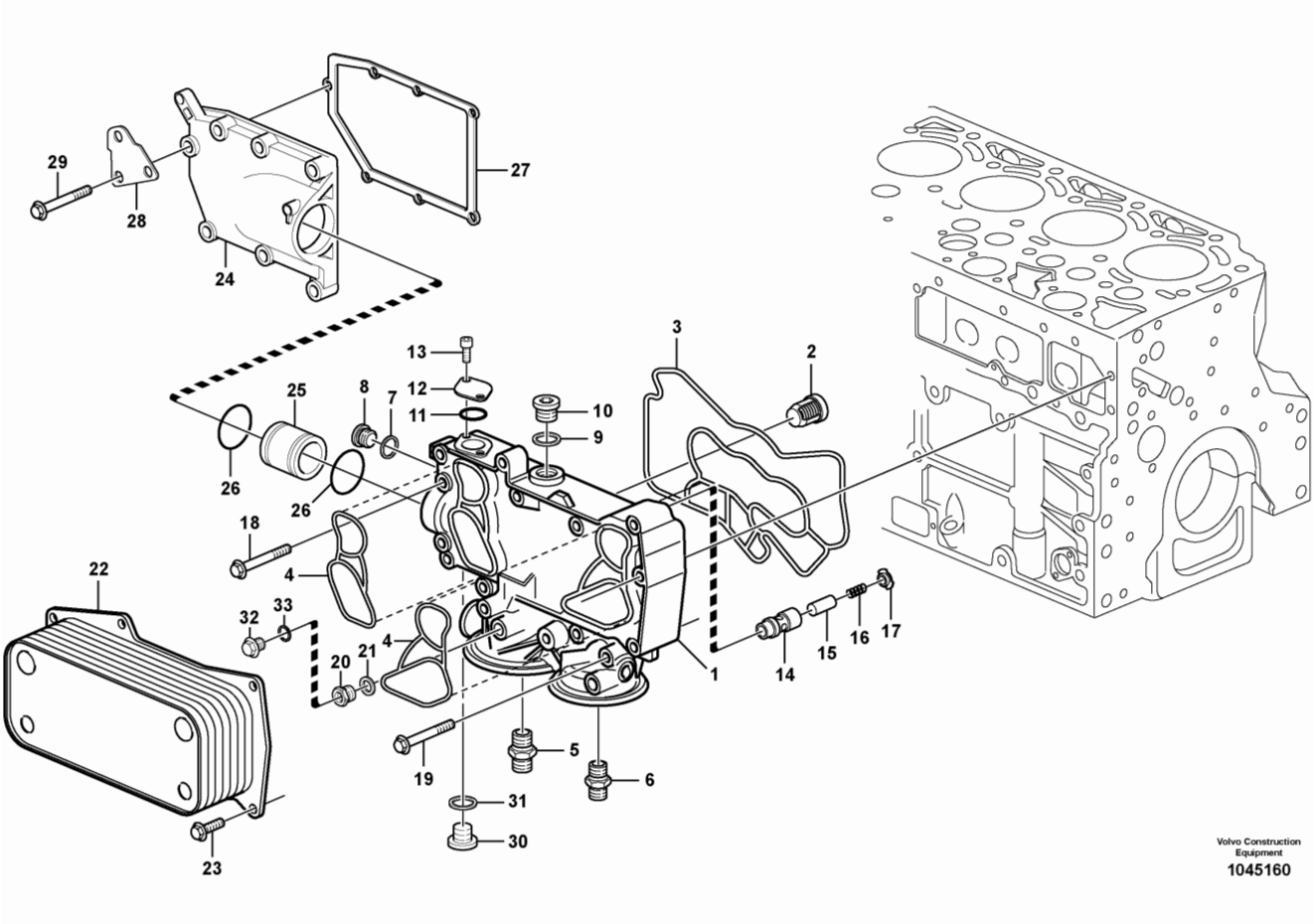
2	VOE17457469	1							Oil filter		
3		1							Sensor		See ref 371/150

Product: L90E OR Volvo Wheel Loaders Part Manual1
Full Download: https://www.arepairmanual.com/downloads/l90e-or-volvo-wheel-loaders-part-manual1/

VOLVO

PROSIS Part Information

Date: **6/12/2026**	Image id: **1045160**	Catalogue: **20007**	Model: **L90E OR**
Brand: **Volvo**	Serial: **20005-80000**	Group/Section: **223/100**	Title: **Oil cooler**



Section option	Kit	Option description
VOE11172408		Engine VOLVO D6D LAE2

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE21099784	1							Oil cooler		
2	VOE20459204	1							•Valve		
3	VOE20459203	1							•Gasket		
4	VOE21611489	2							•Gasket		(VOE20459202)
5	VOE20459201	1							•Nipple		
6	VOE20459200	1							•Nipple		
7	VOE13947622	1							•Plane gasket		
8	VOE20502245	1							•Plug		
9	VOE13947628	1							•Plane gasket		
10	VOE20459195	1							•Plug		
10	VOE16846378	1							Nipple		(VOE20496519)
11	VOE20405599	1							•Sealing ring		
12	VOE21072778	1							•Flange		

Sample manual. Download All 713 pages at:
https://www.arepairmanual.com/downloads/l90e-or-volvo-wheel-loaders-part-manual1/