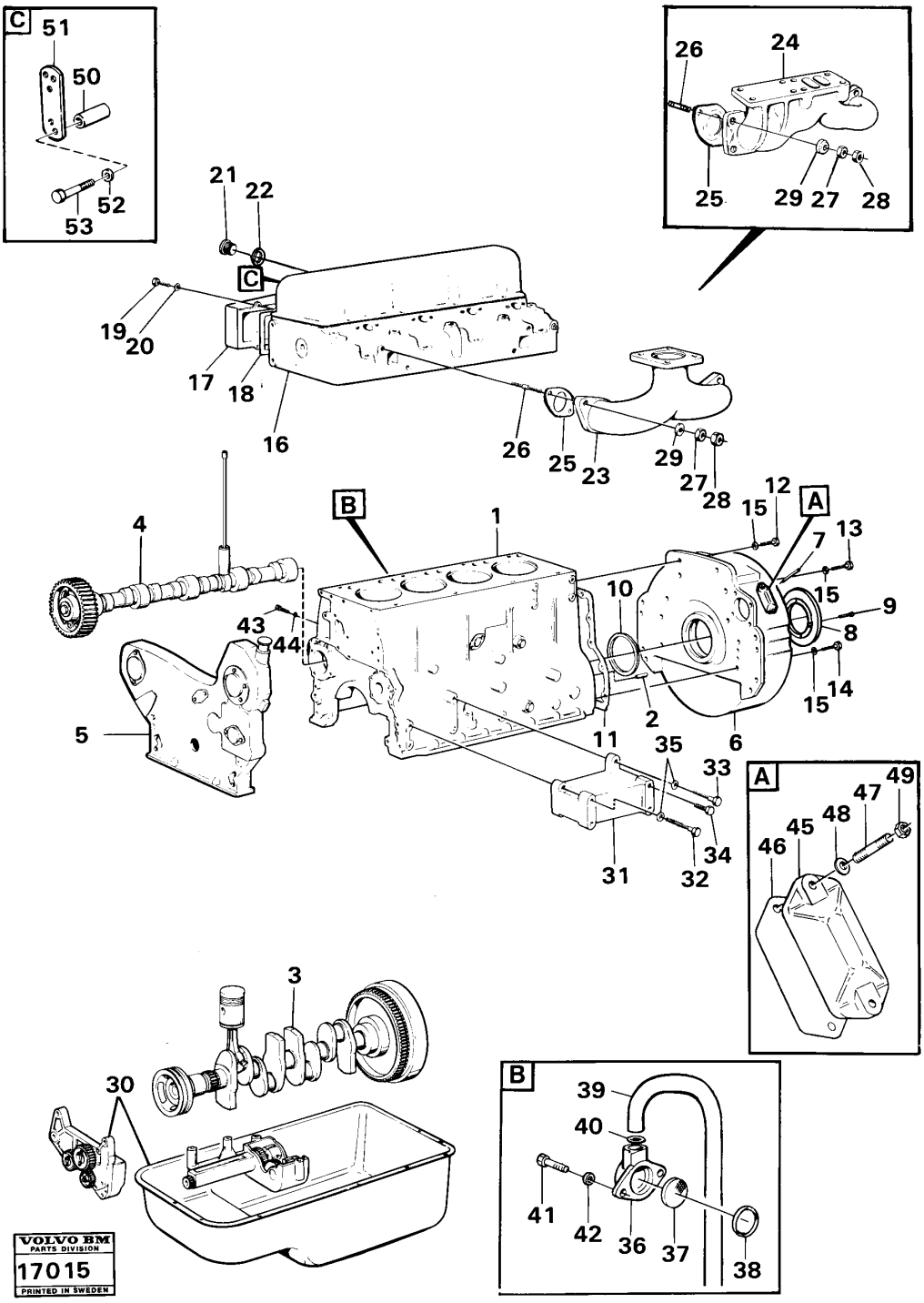
Product: 646 Volvo Wheel Loaders BM Part Manual1
Full Download: https://www.arepairmanual.com/downloads/646-volvo-wheel-loaders-bm-part-manual1/

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**17015**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/50**	**Engine with fitting parts**



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Cylinder block		See ref 21/100
2	VOE191171	2							Pin		(VOE7191171)
3		1							Crankshaft		See ref 21/150

Sample manual. Download All 466 pages at:
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Full Download: https://www.arepairmanual.com/downloads/646-volvo-wheel-loaders-bm-part-manual1/

4		1							Camshaft		See ref 21/200
5		1							Timing gear casing		See ref 21/250
6	VOE4804162	1					CS		Flywheel housing		
	VOE17229696	1							•Pipe		(VOE739393)
7	VOE4804159	1					CS		•Setting indicator		
	VOE905654	2							•Drive screw		
8	VOE787326	1					CS		Oil deflector ring		
9	VOE905654	4							Drive screw		
10	VOE477119	1							Crankshaft seal		(VOE821755)
11	VOE1161277	1							Sealant		(VOE787198)
12	VOE955578	2					SS		Hexagon screw		
13	VOE955580	6							Hexagon screw		
14	VOE955583	2					CS		Hexagon screw		
15	VOE60112793	10							Spring Washer		(VOE941911)
16		1							Cylinder head		See ref 21/300
17	VOE787951	1					CS		Inlet manifold		PROD NO 16204
	VOE4804109	1					CS		Inlet manifold		PROD NO 16303,16304
											PROD NO 16308, 16309,
	VOE479979	2							Plug		(VOE191026)
18	VOE11030035	1							Gasket		(VOE785445)
19	VOE940161	8							Hexagon screw		PROD NO 16204,16303
	VOE940161	6							Hexagon screw		PROD NO 16304
20	VOE13941907	8							Washer		(VOE941907)PROD NO 16204,16303
	VOE13941907	6							Washer		(VOE941907)PROD NO 16304
21	VOE7192114	1							Plug		
22	VOE957185	1							Gasket		
23	VOE4804308	1					CS		Exhaust pipe		PROD NO 16204
24	VOE4804240	1					CS		Exhaust pipe		PROD NO 16303,16304
											PROD NO 16308, 16309
25	VOE4804249	4							Gasket		
26	VOE953492	8							Stud		
27	VOE942299	8							Flange nut		
28	VOE955835	8							Hexagon nut		
29	VOE422217	8							Spacer sleeve		
30									Lubricating system		See ref 21/350
31	VOE751991	1					CS		Engine anchorage		V
	VOE751992	1					CS		Engine anchorage		H
32	VOE926004	2					CS		Screw		
33	VOE955563	2							Hexagon screw		
34	VOE955561	4							Hexagon screw		
35	VOE940280	10							Spring washer		
36	VOE787013	1					CS		Anchorage		
	VOE6602101	1							Filter		
37	VOE7408578	1					CS		Oil Catcher		

Sample manual. Download All 466 pages at:
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38	VOE778633	1					CS		Gasket		
39	VOE4804207	1					CS		Breather pipe		
40	VOE787017	1							Sealing ring		
41	VOE13940135	2							Screw		(VOE940135)
42	VOE13941907	2							Washer		(VOE941907)
43	VOE13955523	1							Screw		(VOE955523)
44	VOE13941907	1							Washer		(VOE941907)
45	VOE4772168	1							Cover		(VOE4804166)
46	VOE4804167	1							Gasket		
47	VOE924054	2					CS		Stud		
48	VOE955893	2							Plain washer		
49	VOE997402	2							Lock nut		(VOE946035)
50	VOE4804339	2					CS		Spacer tube		PROD NO 16304, 16309.
51	VOE465326	1					CS		Bracket		PROD NO 16304, 16309.
52	VOE13941907	2							Washer		(VOE941907)PROD NO 16304, 16309
53	VOE955532	2							Hexagon screw		PROD NO 16304, 16309
	VOE11990089	1					SS		Overhaul kit		See footnote 99)
	VOE6630712	1					SS		De-carbonizing kit		(VOE6630712)See footnote 2)

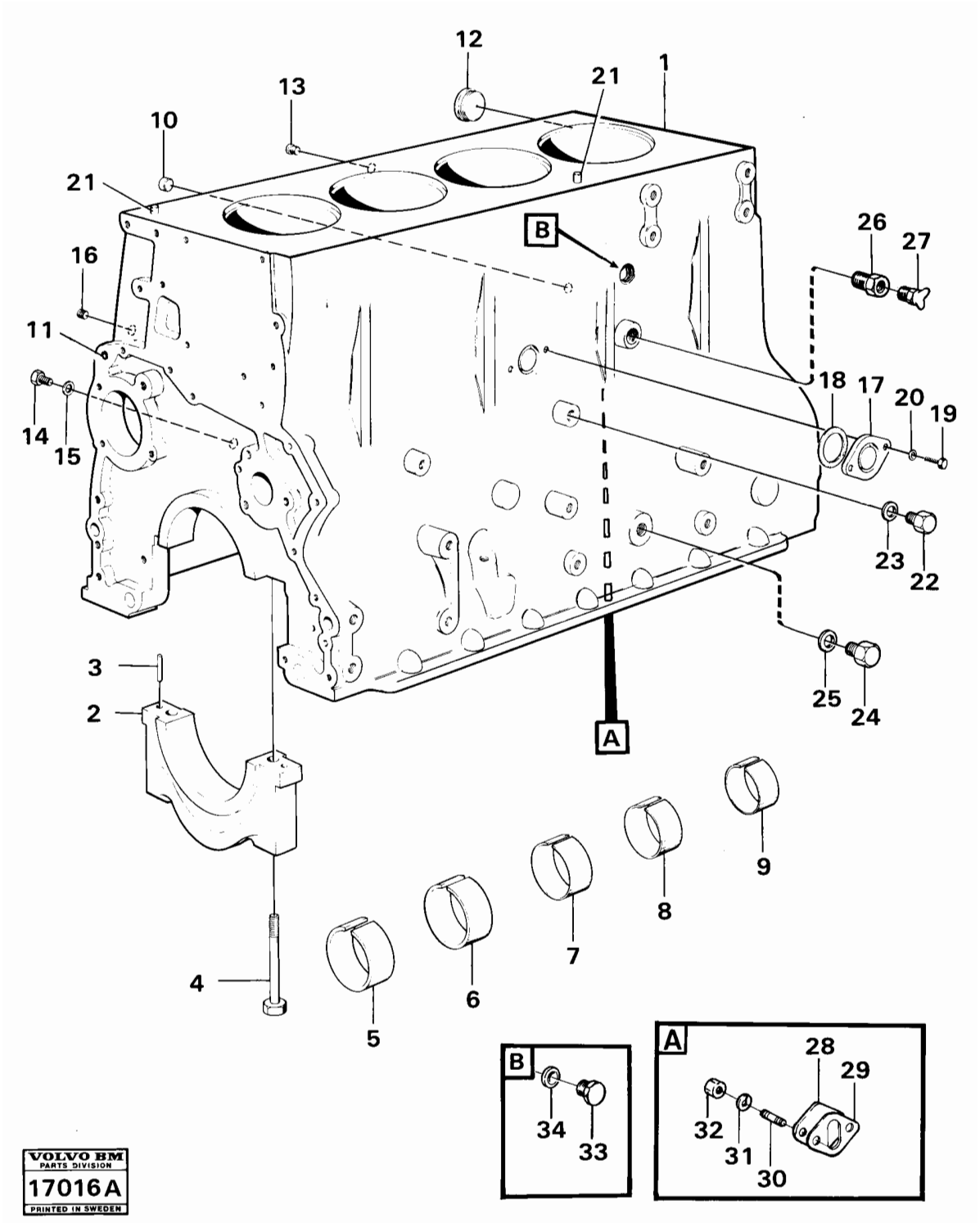
2) Set of gasket for decarbonizing the engine.

99) Major overhaul set.

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**17016A**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/100**	**Cylinder block**



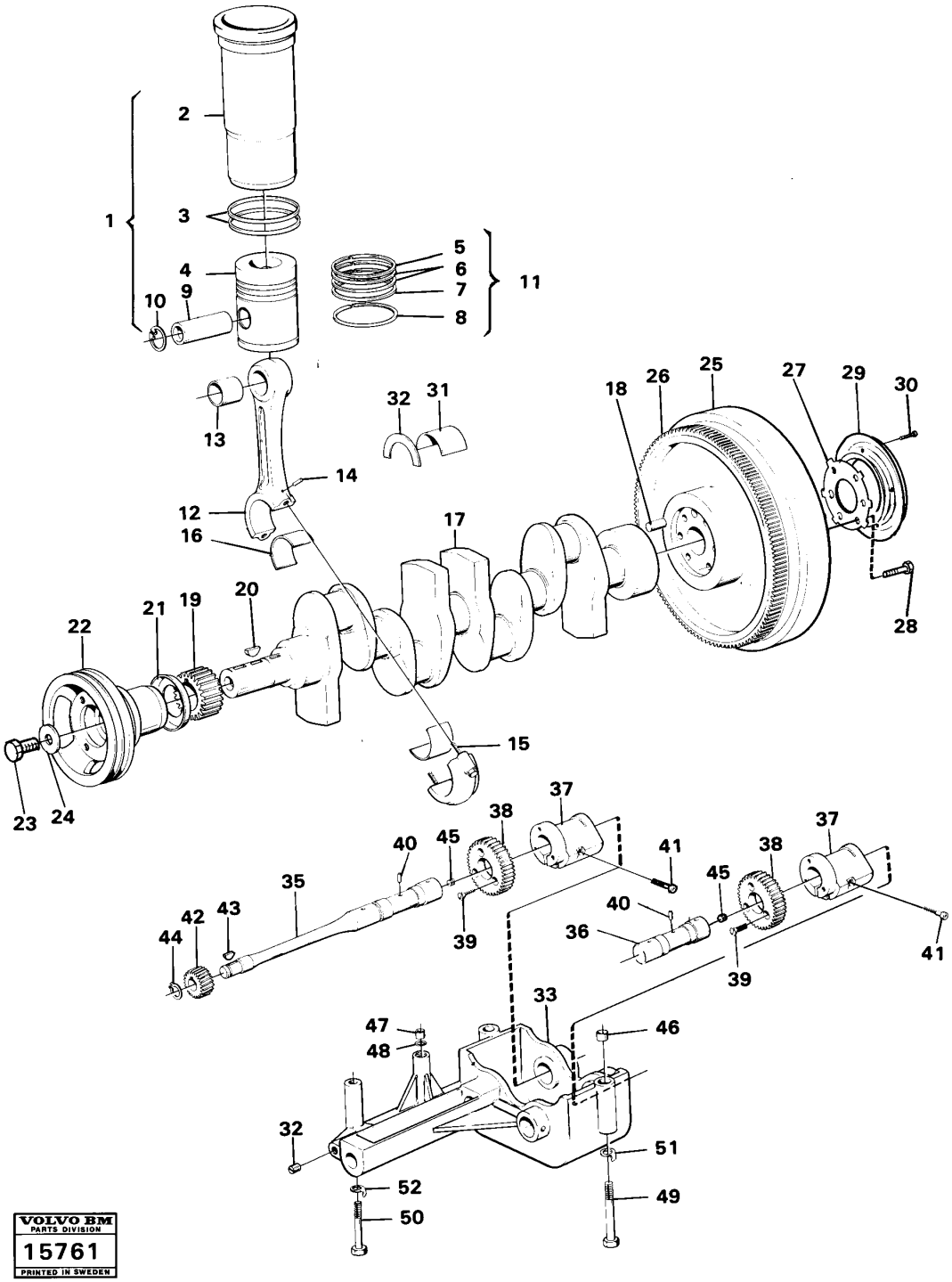
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE787438	1					SS		Cylinder Block		MO-59799
	VOE4804591	1					CS		Cylinder block		MO 59800-
2		5					NS		•Bearing carrier		

3	VOE950564	1							•Pin		
4	VOE421153	10					CS		•Screw		(VOE7421153)
5	VOE785515	1					CS		•Bushing		
6	VOE11000014	1							•Bushing		(VOE422079)
7	VOE422080	1							•Bushing		(VOE7422080)
8	VOE422081	1							•Bushing		
9	VOE785443	1					CS		•Bushing		
10	VOE13967853	5							•Cap plug		(VOE955081) MO-59799
	VOE422369	5							•Plug		MO 59800-
11	VOE955082	3							Cap plug		
12	VOE7070792	3							Cap plug		
13	VOE952358	1					CS		Plug		PROD NO 16204,16207
14	VOE7016318	1					CS		Plug		
15	VOE957173	1						K	Gasket		
16	VOE13961130	1					CS		Plug		(VOE961130)
17	VOE785739	1					CS		Cap		MO-59799
18	VOE11030021	1					CS	K	Gasket		(VOE785764) MO-59799
19	VOE955512	2							Hexagon screw		MO-59799
20	VOE925737	2					CS		Washer		MO-59799
21	VOE785800	2					CS		Pin		
22	VOE13961892	1							Plug		(VOE961892)PROD NO 16204,16207
23	VOE13947621	1							Plane gasket		(VOE947621)PROD NO 16204,16207
24	VOE961895	1							Plug		PROD NO 16204,16207
25	VOE13947627	1							Plane gasket		(VOE947627)PROD NO 16204,16207
26	VOE479954	1							Nipple		(VOE7190130)
27	VOE87502	1					CS		Drain Cock		(VOE7087502)
28	VOE7363575	1							Plate		MO-59799
29	VOE11030028	1							Gasket		(VOE785868) MO-59799
30	VOE953235	2					CS		Stud		MO-59799
31	VOE13941907	2							Washer		(VOE941907) MO-59799
32	VOE955826	2							Hexagon nut		MO-59799
33	VOE4804641	1					CS		Plug		MO 59800-
34	VOE957193	1							Gasket		MO 59800-

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**15761**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/150**	**Crankshaft and related parts**



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE6630596	4					SS		Cylinder liner kit		PROD NO 16303,16304
											16308,16309
	VOE6630713	4					SS		Cylinder liner kit		PRODNR 16204,16207

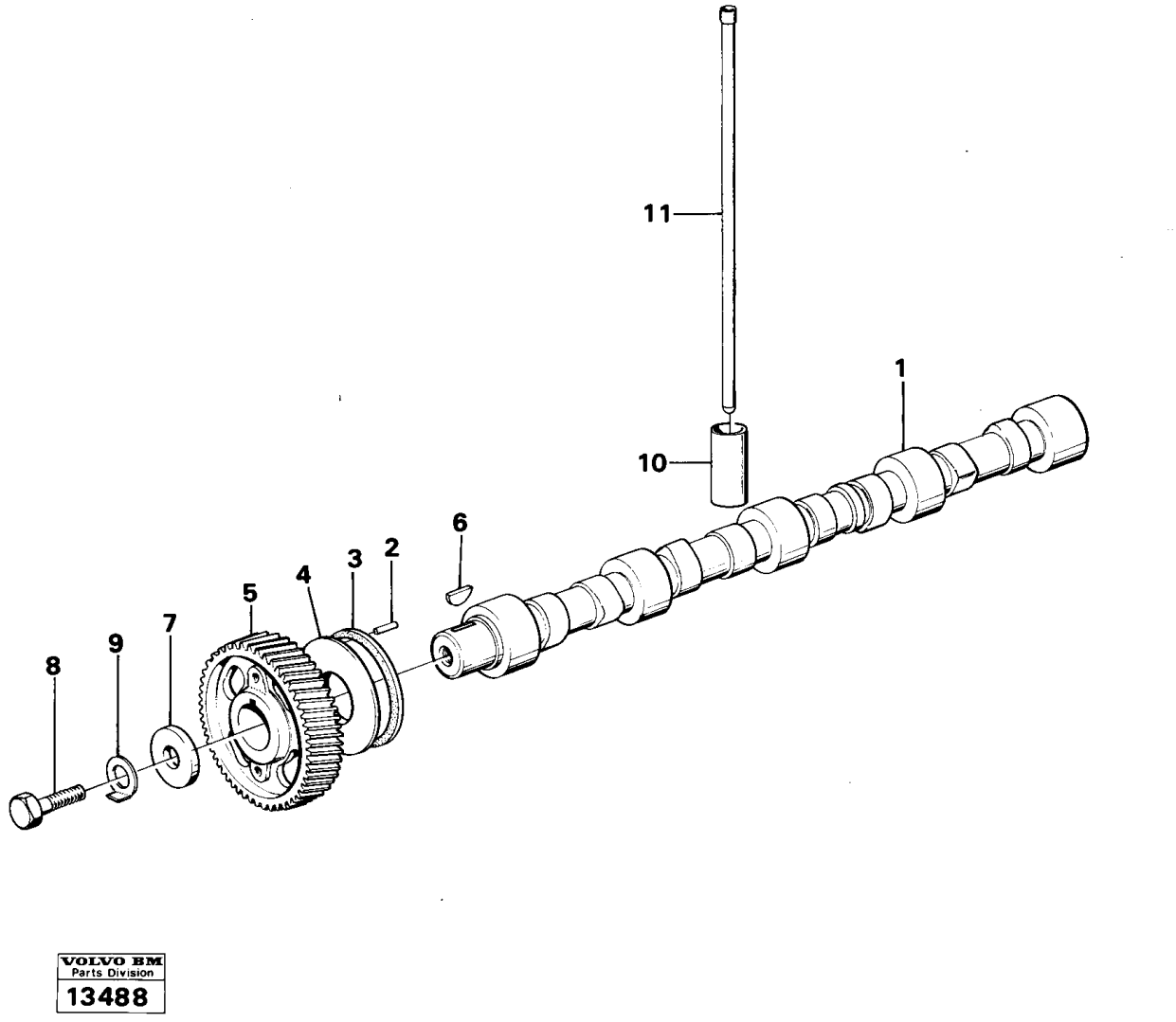
	VOE4804380	REQ							Shim		
2		4					NS		•Cylinder liner		
3	VOE4804532	4					CS		•Sealing ring		(VOE4804246)ÖVRE/ UPPER
	VOE4804532	4					CS		•Sealing ring		NEDRE/LOWER
4		4					NS		•Piston		
5		4					NS		•Compression ring		
6		8					NS		•Compression ring		
7		4					NS		•Oil ring		
8		4					NS		•Oil ring		
9		4					NS		•Piston pin		
10	VOE914524	8							•Retaining ring		
11	VOE6630616	4					CS		Piston ring kit		
12	VOE4804450	4					SS		Connecting rod		
13	VOE11030066	4					CS		•Bearing bushing		(VOE4804873)
14	VOE7021660	8					CS		•Pin		
15	VOE420126	8							•Screw		
16	VOE270093	4							Bearing		STD.
	VOE270094	4							Bearing		UD 0,010"
	VOE270095	4					CS		Bearing		UD 0,020"
	VOE270096	4					CS		Bearing		UD 0,030"
	VOE270097	4							Bearing		UD 0,040"
	VOE270098	4					CS		Bearing		UD 0,050"
17	VOE4804294	1					CS		Crankshaft		REMAN VOE9004804294
18	VOE950677	1							•Pin		
19	VOE787299	1					CS		Gear		
20	VOE910127	3							Woodruff key		
21	VOE785540	1					CS		Oil deflector ring		
22	VOE787614	1							Pulley		
23	VOE787163	1					CS		Screw		
24	VOE785542	1							Washer		
25	VOE11030041	1					CS		Flywheel		(VOE4804819)
26	VOE4804931	1							Gear ring		(VOE785520)
27	VOE785483	1					CS		Lock washer		
28	VOE955724	6					CS		Hexagon screw		
29	VOE785820	1					CS		Ring		
30	VOE905654	4							Drive screw		
31	VOE270432	4							Main bearing kit		STD.
	VOE270433	4							Main bearing kit		UD 0,010"
	VOE270434	4							Main bearing kit		UD 0,020"
	VOE270435	4					CS		Main bearing kit		UD 0,030"
	VOE270436	4							Main bearing kit		UD 0,040"
	VOE270437	4					CS		Main bearing kit		UD 0,050"
	VOE754589	1					CS		Bearing shell kit		STD
	VOE754590	1					CS		Bearing		UD 0,010"
	VOE754591	1					CS		Bearing		UD 0,020"

	VOE754592	1					CS		Bearing		UD 0,030"
	VOE754593	1					CS		Bearing		UD 0,040"
	VOE754594	1					CS		Bearing		UD 0,050"
32	VOE276754	1							Thrust washer		(VOE7276754)STD
	VOE276755	1					CS		Thrust washer		(VOE7276755)ÖD 0,1MM
	VOE276756	1					CS		Thrust washer		(VOE7276756) ÖD.0,2MM
	VOE276757	1					CS		Thrust washer		(VOE7276757)ÖD. 0,3MM
	VOE4804471	1					SS		Vibration damper		
33	VOE4804465	1					SS		•Bracket		
34	VOE7016324	1					CS		•Plug		
35	VOE785439	1					CS		•Shaft		
36	VOE785440	1					CS		•Shaft		
37	VOE4804464	2					CS		•Counterweight		
38	VOE787212	2					CS		•Gear		
39	VOE956553	2					CS		•Hex. socket screw		L=16
	VOE956556	4					CS		•Hex. socket screw		L=25
40	VOE951950	2							•Spring pin		
41	VOE956588	2							•Hex. socket screw		
42	VOE787298	1					CS		•Gear		
43	VOE910115	1							•Woodruff key		
44	VOE914454	1							•Retaining ring		
45	VOE7016324	2					CS		•Plug		
46	VOE785649	1					CS		Sleeve		
47	VOE785438	1					CS		Tube		
48	VOE925055	1							O-ring		(VOE926032)
49	VOE7191812	2							Screw		
50	VOE955556	1							Hexagon screw		
51	VOE921231	2							Lock washer		
52	VOE921221	1							Lock washer		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**13488**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/200**	**Camshaft**



VOLVO BM
Parts Division
13488

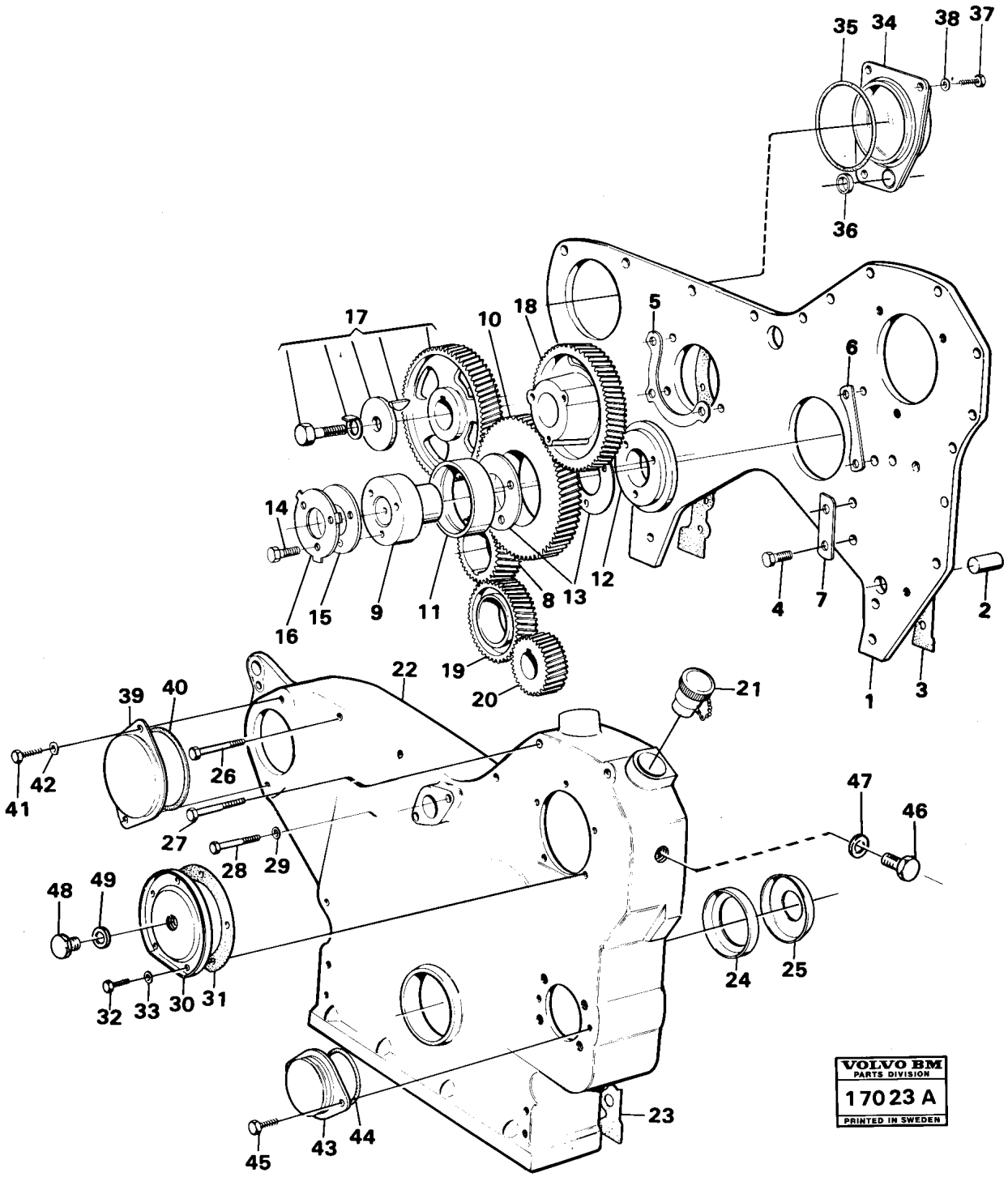
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE4804452	1					CS		Camshaft		
2	VOE907172	1					CS		Grooved pin		
3	VOE785591	1						K	Sealing ring		
4	VOE11030043	1							Thrust washer		(VOE785660)
5	VOE785789	1					CS		Camshaft gear		
6	VOE910122	1					CS		Woodruff key		
7	VOE785584	1					CS		Washer		
8	VOE955581	1							Hexagon screw		
9	VOE785589	1							Lock washer		
10	VOE421067	8							Tappet		(VOE785869)

11	VOE785560	8					CS		Push rod		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**17023A**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/250**	**Timing gear casing and timing gears**



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE787762	1					CS		Xmsn Plate		MO-59799
	VOE4804585	1					CS		Xmsn Plate		MO 59800-
2	VOE191171	2							Pin		(VOE7191171)

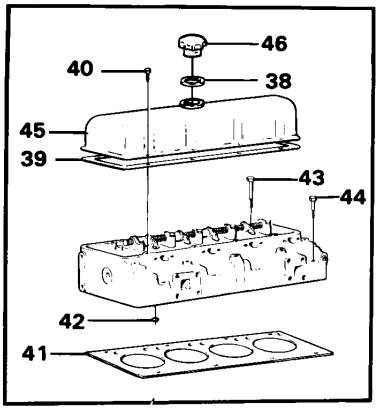
3	VOE1161277	1						K	Sealant		(VOE785746)
4	VOE955524	7							Hexagon screw		
5	VOE785796	1							Striker plate		
6	VOE785797	1							Striker plate		
7	VOE11000062	1							Striker plate		(VOE785872)
8		1							Crankshaft gear		See ref 21/150
9	VOE785723	1					CS		Pin		
10	VOE785767	1					CS		Idler gear		
11		1					NS		•Bushing		
12	VOE785768	1							Spacer plate		
13	VOE787294	2							Thrust washer		
14	VOE955582	3							Hexagon screw		
15	VOE787377	1					CS		Bearing shield		
16	VOE785590	1					CS		Striker plate		
17	VOE785789	1					CS		Camshaft gear		See ref 21/200
18	VOE4804556	1					CS		Gear		(VOE785535)SEE GROUP 23
19		1							Oilpump gear		MO-53299
											See ref 21/400
		1							Oilpump gear		MO 53300-
											See ref 21/450
20		1							Drive gear		MO -53299
											See ref 21/400
		1							Drive gear		MO 53300-
											See ref 21/450
21	VOE785860	1					CS		Cover		
22	VOE787729	1					SS		Timing gear cover		MO-59799
	VOE4804736	1					CS		Timing gear cover		MO 59800-
23	VOE1161277	1						K	Sealant		(VOE787156)
24	VOE11713159	1							Sealing ring		(VOE4804489)
25	VOE785517	1					CS		Ring		
26	VOE955531	9							Hexagon screw		
27	VOE926083	2					CS		Screw		MO-59799
	VOE955530	2							Hexagon screw		MO 59800-
	VOE13960141	1							Washer		(VOE960141)MO 59800-
28	VOE13940135	10							Screw		(VOE940135)
29	VOE13941907	21							Washer		(VOE941907)
30	VOE785593	1					CS		Cap		MO-59799
		1							Cover		MO59800-
							NS				
31	VOE785594	1					CS	K	Gasket		
32	VOE940100	5							Hexagon screw		
33	VOE13941906	5							Washer		(VOE941906)
34	VOE785960	1							Cover		
35	VOE926043	1						K	O-ring		
36	VOE785618	1							Ring		

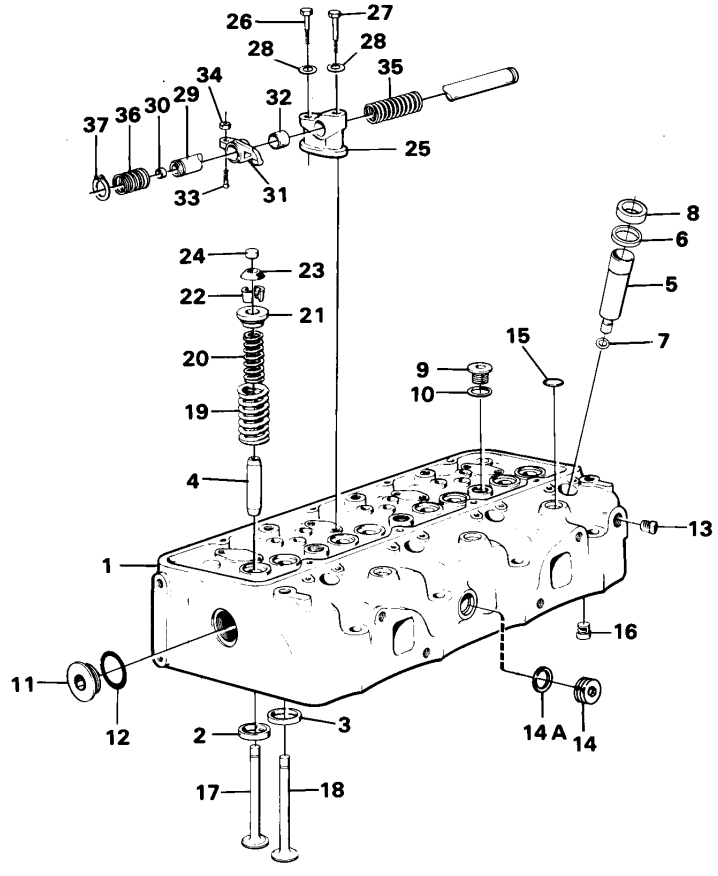
37	VOE60113425	3							Hexagon screw		(VOE955535)
38	VOE13942336	3							Spring washer		(VOE942336)
39	VOE7420183	1					CS		Cover		
40	VOE420213	1							Sealing ring		(VOE7420213)
41	VOE60113425	2							Hexagon screw		(VOE955535)
42	VOE13942336	2							Spring washer		(VOE942336)
43	VOE785859	1					CS		Cap		
44	VOE926132	1							O-ring		
45	VOE13940133	2							Screw		(VOE940133)
46	VOE13960632	1							Plug		(VOE960632)MO 59800-
47	VOE13947624	1							Plane gasket		(VOE947624)MO 59800-
48	VOE7301185	1					CS		Plug		MO 59800-
49	VOE13947627	1							Plane gasket		(VOE947627)MO 59800-

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**17006**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/300**	**Cylinder head**





Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE4804467	1					SS		Cylinder head		MO -59799
	VOE4804708	1							Cylinder head		MO 59800-
1		1					NS		•Cylinder head		

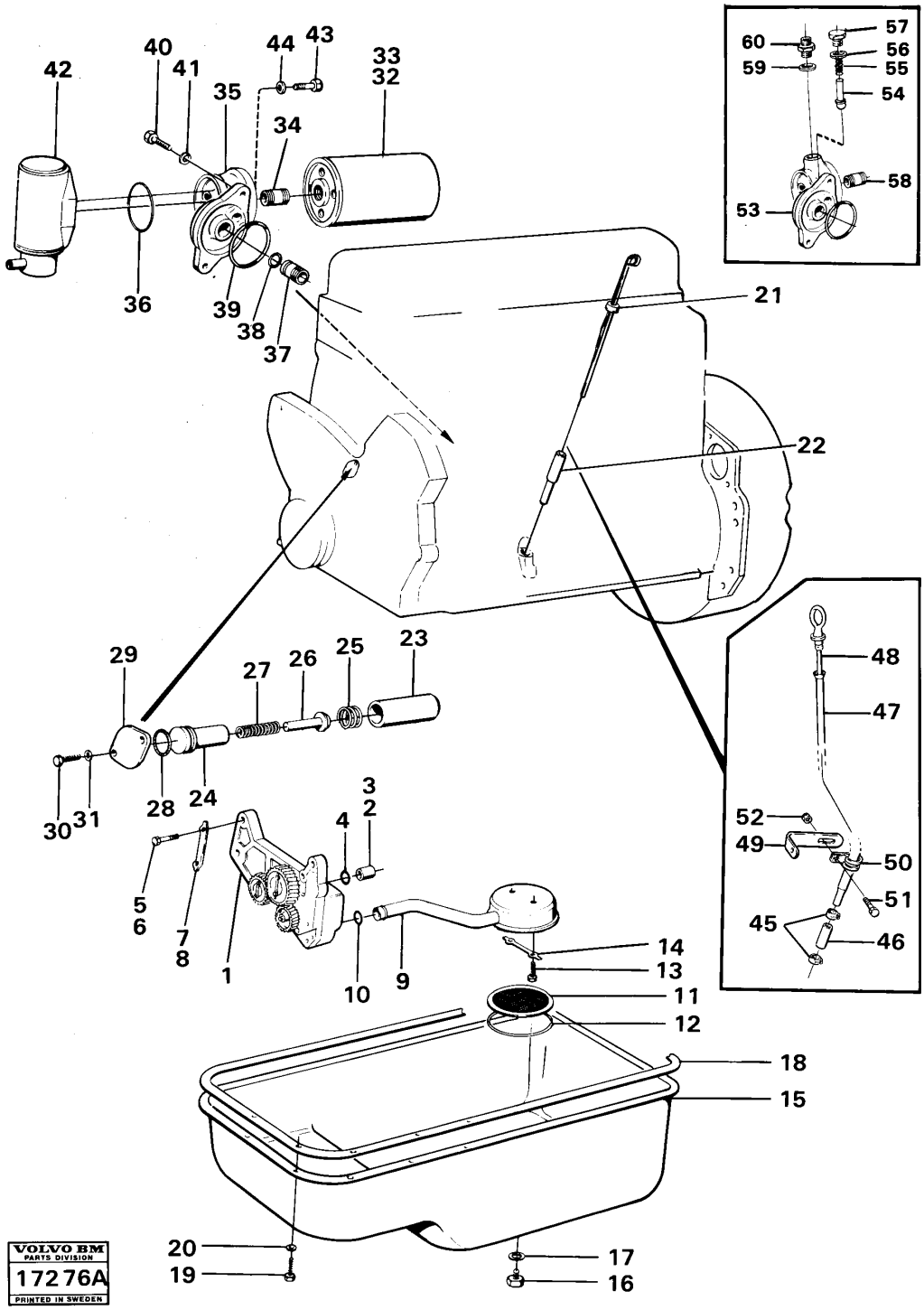
2	VOE466373	4					SS		••Valve seat		STD
	VOE421316	4					CS		••Valve seat		(VOE7421316)0,20"ÖD
3	VOE4804548	4					CS		••Valve seat		STD
	VOE466307	4					CS		••Valve seat		0,20"ÖD
4	VOE466386	8							••Valve guide		(VOE466330)
5	VOE477928	4							••Socket		(VOE466403)
6	VOE466405	4							••Sealing ring		
7	VOE466922	4							••Sealing ring		
8	VOE466420	4							••Ring		
9	VOE466230	3					CS		••Plug		(VOE7466230)
10	VOE420166	3							••Gasket		(VOE7420166)
11	VOE785765	1					CS		••Plug		
12	VOE785766	1							••Gasket		
13	VOE952358	1					CS		••Plug		
14	VOE467365	1							••Plug		(VOE467714)
14A	VOE469327	1							••Gasket		(VOE468461)
15	VOE477026	3							••Expansion plug		(VOE7192426)
16	VOE465420	4							••Nozzle		
17	VOE466379	4					CS		•Valve		
18	VOE421680	4					CS		•Exhaust valve		(VOE471195)
19	VOE466384	8							•Valve spring		
20	VOE466383	8							•Valve spring		
21	VOE466382	8					CS		•Washer		
22	VOE468305	16							•Valve sleeve		
23	VOE466932	8					SS		•Protecting Sleeve		MO-52997
	VOE469456	8							•Protecting ring		MO 52998-
24	VOE7417133	8							•Valve Cap		MO-52997
	VOE478074	8							•Valve cap		(VOE469365)MO 52998-
25	VOE785558	4					CS		Bearing Bracket		
26	VOE955539	4							Hexagon screw		
27	VOE955540	4							Hexagon screw		
28	VOE13942336	8							Spring washer		(VOE942336)
29	VOE785425	1					CS		Rocker arm shaft		
30	VOE955082	2							•Cap plug		
31	VOE7420129	4							Rocker arm		
	VOE420132	4							Rocker arm		(VOE7420132)
32	VOE420125	8							•Bushing		(VOE7420125)
33	VOE422993	8					SS		•Bolt		(VOE7423058)
34	VOE940175	8							•Nut		
35	VOE411140	2					CS		Spring		(VOE7411140)
36	VOE7301466	3					CS		Spring		
37	VOE914456	2							Retaining ring		
38	VOE1275379	1							Gasket		(VOE940096)
39	VOE785416	1							Gasket		
40	VOE950046	8							Cross recessed screw		

	VOE6630496	1					SS		Gasket kit		
41		1					NS		•Gasket		
42	VOE422413	1							•Sealing ring		(VOE7422413)
43	VOE421218	16							Screw		(VOE787459)
44	VOE787458	4							Screw		
45	VOE785415	1					CS		Valve cover		
46	VOE739846	1							Cover		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**17276A**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/350**	**Lubricating oil system**

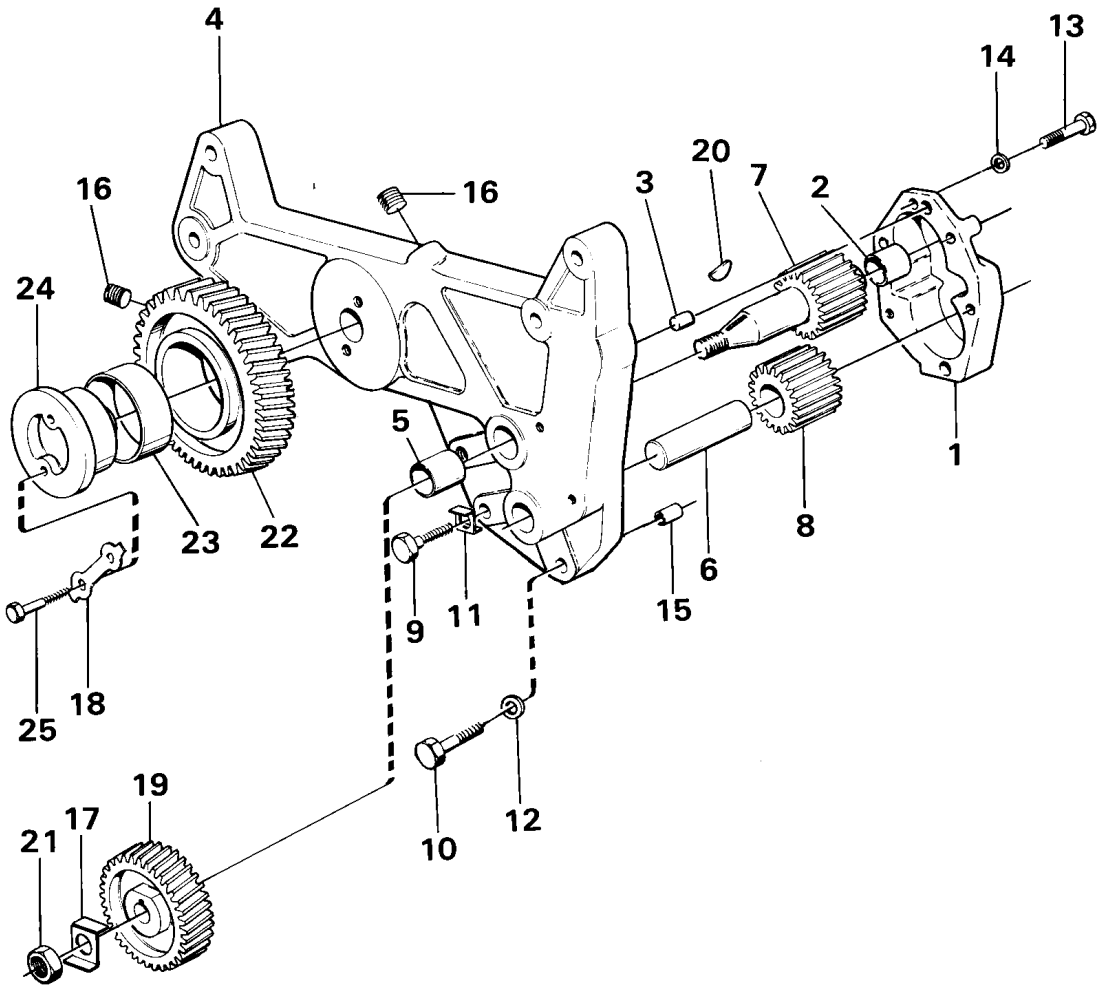


Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE4804211	1					SS		Oil pump		MO - 53299
											See ref 21/400
	VOE4804522	1					SS		Oil Pump		MO 53300-

											See ref 21/450
2	VOE785577	1					CS		Guide sleeve		
3	VOE785623	1					CS		Guide sleeve		
4	VOE955993	1						K	O-ring		
5	VOE940186	3							Hexagon screw		
6	VOE955526	1							Hexagon screw		
7	VOE930035	1					CS		Lock washer		
8	VOE7015260	1							Lock washer		
9	VOE785883	1					CS		Suction pipe		MO -53299
	VOE4804459	1					CS		Suction pipe		MO 53300-
10	VOE942089	1						K	O-ring		
11	VOE414621	1					CS		Wire gauze		(VOE7414621)
12	VOE118125	1							Snap ring		(VOE7118125)
13	VOE955522	2							Hexagon screw		
14	VOE7191268	1					CS		Lock washer		
15	VOE785410	1					CS		Oil pan		
16	VOE192538	1							Magnetic plug		(VOE7192538)
17	VOE13947627	1						K	Plane gasket		(VOE7018677)
18	VOE11030107	1						K	Gasket		(VOE785417)
19	VOE955524	29							Hexagon screw		
20	VOE13941907	29							Washer		(VOE941907)
21	VOE785427	1					CS		Dipstick		MO -57597
22	VOE785606	1					CS		Tube		
23	VOE785792	1					CS		Valve housing		
24	VOE787068	1					CS		Housing		
25	VOE785794	1					CS		Spring		
26	VOE421125	1					CS		Valve		(VOE7421125)
27	VOE421126	1					CS		Spring		(VOE7421126)
28	VOE925059	1						K	O-ring		
29	VOE787069	1					CS		Thrust washer		
30	VOE955513	2							Hexagon screw		
31	VOE13941906	2							Washer		(VOE941906)
32	VOE4804406	1							Oil filter		MO 59800-
		1					NS		•Gasket		
	VOE4804651	1							Oil filter		(VOE795660) MO-59799
33		1					NS		•Gasket		
34	VOE781732	1					CS		Nipple		MO-59799
	VOE4804518	1							Nipple		MO 59800-
35	VOE4804858	1					SS		Bracket		
36	VOE926039	1						K	O-ring		
37	VOE785816	1					CS		Nipple		
38	VOE955976	1						K	O-ring		(VOE926033)
39	VOE926040	1						K	O-ring		
40	VOE60113425	2							Hexagon screw		(VOE955535)
41	VOE955950	2					CS		Toothed washer		
42	VOE787062	1							Oil Cooler		SEE GROUP 22

											MO - 60540
	VOE4804681	1					CS		Oil cooler		MO 60541 -
43	VOE4804519	2					CS		Screw		
44	VOE13940109	2							Lock washer		(VOE940109)
45	VOE943471	2							Hose clamp		MO 57598-
46	VOE966683	1					SS		Hose		MO 57598-
47	VOE4804637	1					CS		Tube		MO 57598-
48	VOE4804639	1					CS		Oil dipstick		MO 57598-
49		1							Bracket		MO 57598-
							NS				
50	VOE952626	1							Clamp		MO 57598-
51	VOE60111863	1							Hexagon screw		(VOE955269)MO 57598-
52	VOE940197	1							Hexagon nut		MO 57598-
	VOE4804521						CS		Bracket		16309 MO 62638 -
53							NS		•Bracket		
54	VOE471085	1							•Valve cone		
55	VOE4804755	1							•Compression spring		
56	VOE957185	1							•Gasket		
57	VOE466624	1							•Plug		
58	VOE4804518	1							•Nipple		
59	VOE957179	1							•Gasket		
60	VOE13963948	1					SS		•Nipple		

Date:	Image id:	Catalogue:	Model:
6/6/2026	**15723**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/400**	**Lubricating oil pump mo -53299**



VOLVO BM
PARTS DIVISION
15723
PRINTED IN SWEDEN

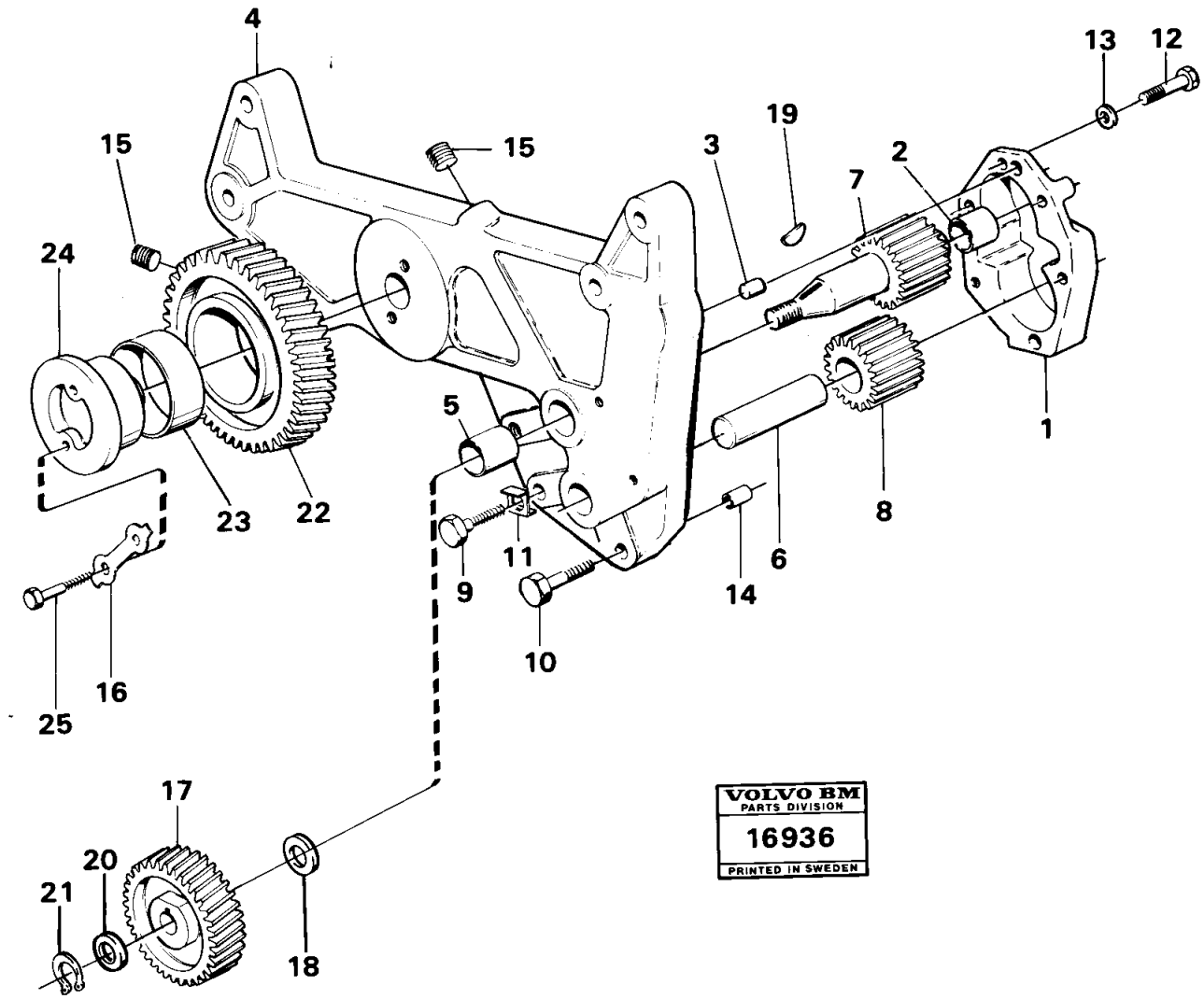
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE4804211	1					SS		Oil pump		(VOE787314)
1		1					NS		•Pump housing		
2	VOE785838	1					CS		••Bushing		

3	VOE918145	1					CS		•Pin		
4	VOE787301	1					SS		•Bracket		
5	VOE785838	1					CS		••Bushing		
6	VOE785833	1					CS		•Shaft		
7	VOE787854	1					CS		•Gear		
8	VOE785839	1							•Gear		
9	VOE955514	1							•Hexagon screw		L=25MM
10	VOE955515	1							•Hexagon screw		L=38MM
11	VOE921206	1					CS		•Lock washer		
12	VOE13941906	1							•Washer		(VOE941906)
13	VOE940158	4					CS		•Hexagon screw		
14	VOE13941906	4							•Washer		(VOE941906)
15	VOE787235	1					CS		•Spring pin		
16	VOE191142	2							•Plug		(VOE7191142)
17	VOE7015219	1					CS		•Lock washer		
18	VOE7015024	1							•Lock washer		
19	VOE785834	1					CS		Drive Gear		
20	VOE910112	1							Woodruff key		
21	VOE955838	1							Hexagon nut		
22	VOE787297	1					CS		Idler gear		
23	VOE785775	1							•Bushing		
24	VOE785519	1					CS		Pivot pin		
25	VOE940161	2							Hexagon screw		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**16936**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**21/450**	**Lubricating oil pump mo 53300-**



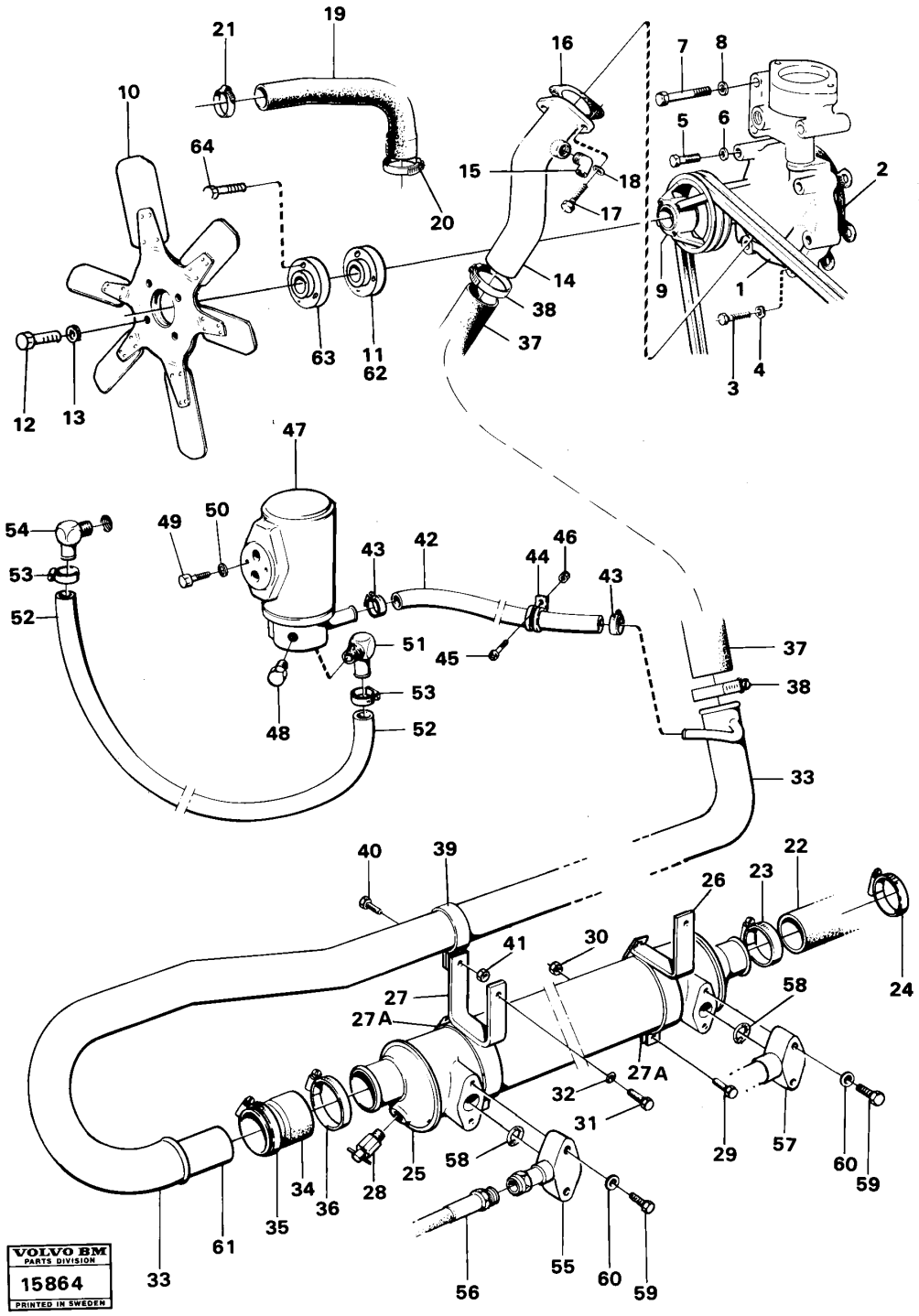
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE4804522	1					SS		Oil Pump		
1	VOE4804196	1					CS		•Oil pump housing		
2	VOE470234	2					CS		••Bushing		(VOE940359)
3	VOE918145	1					CS		•Pin		
4	VOE787598	1					CS		•Bracket		
5	VOE470234	2					CS		••Bushing		(VOE940359)
6	VOE4804199	1					SS		•Axle shaft		
7	VOE4804200	1					SS		•Shaft		
		1					NS		••Shaft		
8		1					NS		••Gear		
9	VOE955514	1							•Hexagon screw		
10	VOE955515	1							•Hexagon screw		

11	VOE921206	1					CS		•Lock washer		
12	VOE955516	4					CS		•Hexagon screw		
13	VOE13941906	4							•Washer		(VOE941906)
14	VOE787235	1					CS		•Spring pin		
15	VOE191142	2							•Plug		(VOE7191142)
16	VOE7015024	1							•Lock washer		
17	VOE4804202	1					CS		Drive Gear		
18	VOE424133	1							Thrust washer		
19	VOE910115	1							Woodruff key		
20	VOE926147	1							Support washer		
21	VOE914450	1							Retaining ring		
22	VOE787297	1					CS		Idler gear		
23	VOE785775	1							•Bushing		
24	VOE785519	1					CS		Pivot pin		
25	VOE940161	2							Hexagon screw		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**15864**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**22/50**	**Cooling system**



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Water pump		See ref 22/175
2	VOE785612	1						K	Gasket		
3	VOE955526	4							Hexagon screw		L=51

	VOE13940136	1							Screw		(VOE940136)L=64
4	VOE13941907	5							Washer		(VOE941907)
5	VOE955530	1							Hexagon screw		L=83
6	VOE13941907	1							Washer		(VOE941907)
7	VOE940156	1							Hexagon screw		L=89
	VOE955539	2							Hexagon screw		L=64
8	VOE13942336	3							Spring washer		(VOE942336)
9		1							Belt transmission		See ref 22/200
10	VOE4780993	1					CS		Fan		
11	VOE4710948	1					CS		Spacer ring		
12	VOE940186	4							Hexagon screw		
13	VOE13941907	4							Washer		(VOE941907)
14	VOE4747159	1					CS		Pipe elbow		
15	VOE13961657	1							Nipple		(VOE961657)
16	VOE785622	1						K	Gasket		
17	VOE955525	2							Hexagon screw		
18	VOE13941907	2							Washer		(VOE941907)
19	VOE752418	1					CS		Hose		ÖVRE/UPPER
20	VOE943478	1							Hose clamp		
21	VOE943480	1							Hose clamp		
22	VOE4705032	1							Hose		NEDRE/LOWER
23	VOE943479	1							Hose clamp		
24	VOE943479	1							Hose clamp		
25	VOE4747632	1					CS		Oil cooler		(VOE4705041)
26	VOE4747629	1					CS		•Anchorage		(VOE4705030)
27	VOE4747628	1					CS		•Anchorage		(VOE4705164)
27A	VOE4747631	2					CS		•Clamp		
28	VOE7082744	1							Drain cock		
29	VOE60113425	2							Hexagon screw		(VOE955535)
30	VOE13955827	2							Nut		(VOE955827)
31	VOE13940114	2							Screw		(VOE940114)
32	VOE13942336	2							Spring washer		(VOE942336)
33	VOE4705028	1					CS		Coolant pipe		
34	VOE4747626	1					CS		Hose		
35	VOE943480	1							Hose clamp		(VOE943479)
36	VOE943479	1							Hose clamp		
37	VOE4740351	REQ					CS		Hose		L=100
38	VOE943479	2							Hose clamp		
39	VOE752553	1					CS		Clamp		
40	VOE940117	1							Hexagon screw		
41	VOE955825	1							Hexagon nut		
42	VOE13961192	REQ							Hydraulic hose		(VOE961192)L=330
43	VOE13943474	2							Hose clamp		(VOE943473)
44	VOE952635	1							Clamp		
45	VOE955512	1							Hexagon screw		
46	VOE955825	1							Hexagon nut		
47	VOE787062	1							Oil Cooler		MO - 60540

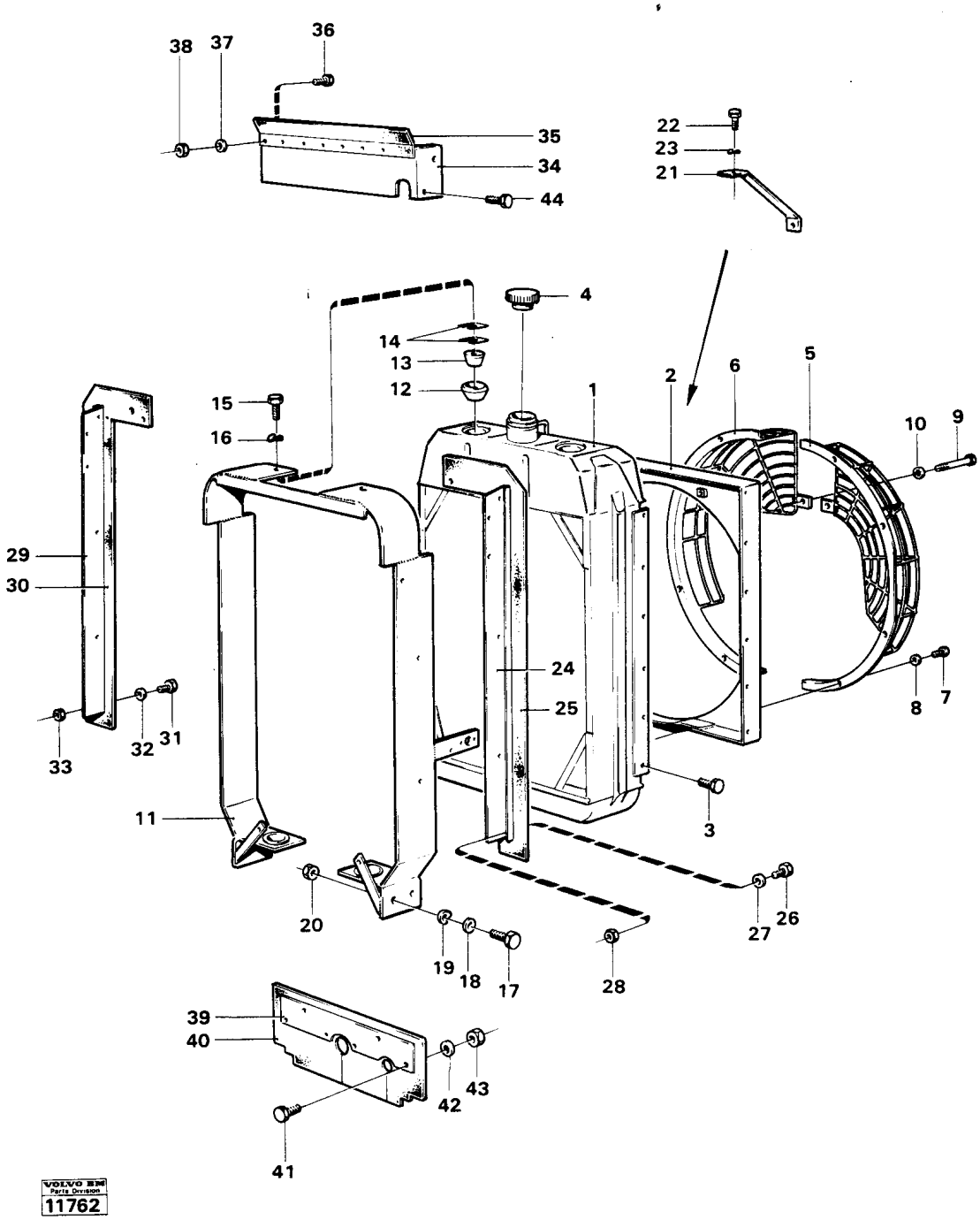
	VOE4804681	1					CS		Oil cooler		MO 60541 -
48	VOE479955	1							Plug		(VOE7192134)
49	VOE60112976	2							Hex. socket screw		(VOE959240)
50	VOE941109	2									
51	VOE961606	1							Elbow nipple		
52	VOE943368	REQ							Hose		L = 220, MO - 60540
	VOE943369	REQ							Hose		L = 220, MO 60541 -
53	VOE13943472	2							Hose clamp		(VOE943472)MO - 60540
	VOE13943474	2							Hose clamp		(VOE943473)MO 60541 -
54	VOE787113	1					CS		Nipple		MO - 60540
	VOE942590	2							Elbow nipple		MO 60541 -
55	VOE4851015	1					CS		Hose connection		
56	VOE931697	1					CS		Hose assembly		(VOE928066)
57	VOE4747428	1					CS		Tube		
58	VOE955992	3							O-ring		
59	VOE13940162	6							Screw		(VOE940162)
60	VOE13942336	10							Spring washer		(VOE942336)
61	VOE4747144	1					CS		Tube		
62	VOE4710948	1					CS		Spacer ring	VOE98368	
63	VOE787954	1					CS		Spacer ring	VOE98368	
64	VOE940186	4							Hexagon screw	VOE98368	
	VOE11701087	1							Repair kit		(VOE6630337)See footnote 684)

684) Water pump overhaul set.

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**11762**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**22/100**	**Radiator with fitting parts**



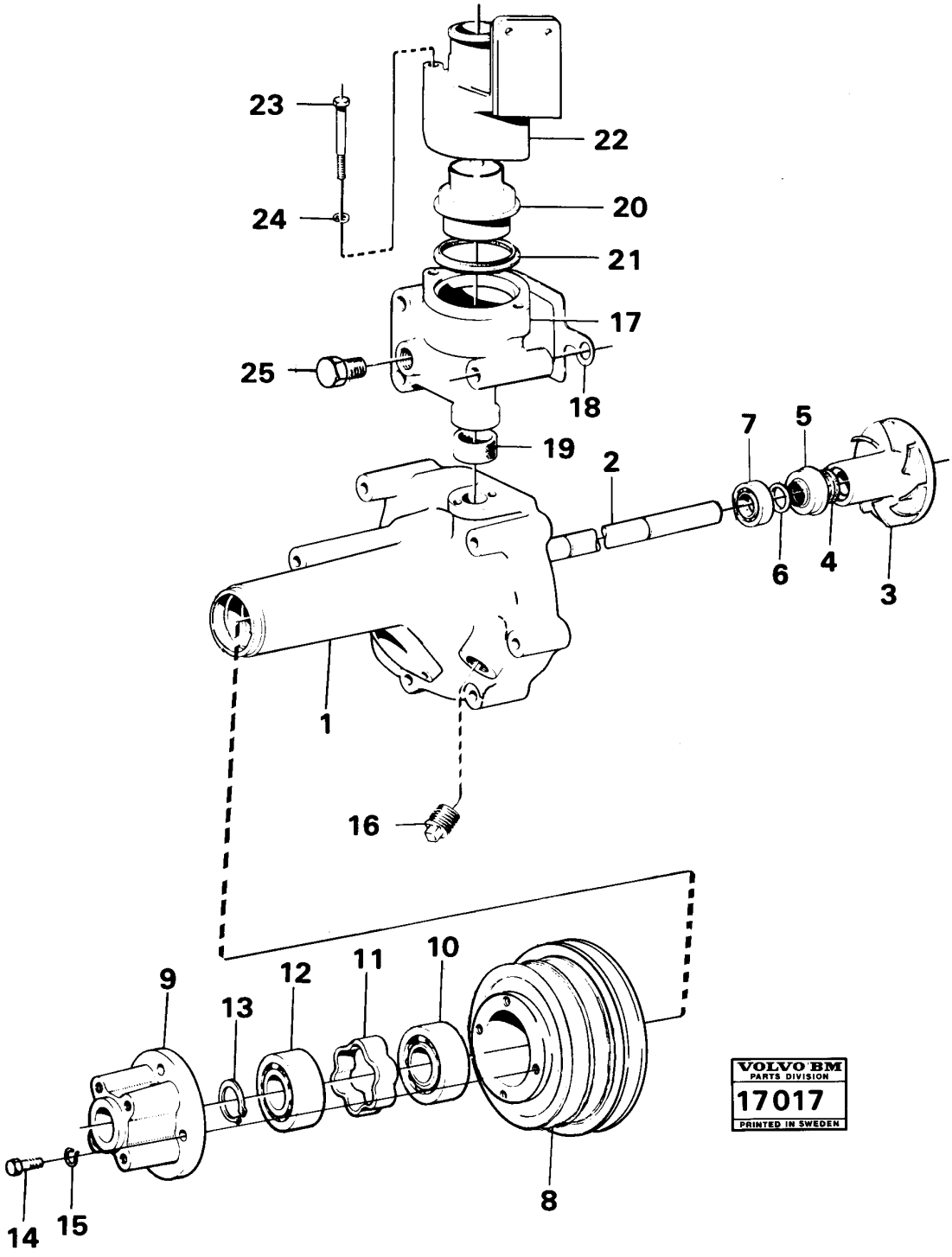
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE4748882	1					CS		Fan shroud		
2	VOE4748883	1					CS		•Fan shroud		
3	VOE13955113	20					CS		•Screw		(VOE955113)

4	VOE350578	1					CS		Cover		(VOE7350578)
5	VOE4748931	1					CS		Fan Protector		
6	VOE4748945	1					CS		Fan Protector		CH - 2903
	VOE4865037	1					CS		Fan Protector	VOE98368	
7	VOE60111863	8							Hexagon screw		(VOE955292)
8	VOE60110304	8							Washer		(VOE960139)
9	VOE955292	1									
10	VOE955949	1							Toothed washer		
11	VOE4747277	1					CS		Frame		
12	VOE731921	4							Rubber cushion		
13	VOE731920	2							Ferrule		
14	VOE728043	REQ							Shim		
	VOE728044	REQ					CS		Shim		
15	VOE60113425	2							Hexagon screw		(VOE955535)
16	VOE13942336	2							Spring washer		(VOE942336)
17	VOE13940115	4							Screw		(VOE940115)
18	VOE60113865	2							Washer		(VOE960148)
19	VOE13942336	4							Spring washer		(VOE942336)
20	VOE13955827	4							Nut		(VOE955827)
21	VOE4724029	1					CS		Stuffing box		
22	VOE955534	2							Hexagon screw		
23	VOE13942336	2							Spring washer		(VOE942336)
24		1					NS		Shield Plate		V
25		1					NS		•Rubber Mat		
26	VOE955245	6							•Hexagon screw		
27	VOE60113296	6							•Washer		(VOE940090)
28	VOE955780	6							•Hexagon nut		
29		1					NS		Shield Plate		H
30	VOE4724862	1					CS		•Rubber mat		
31	VOE955245	6							•Hexagon screw		
32	VOE60110304	6							•Washer		(VOE960139)
33	VOE955780	6							•Hexagon nut		
34		1					NS		Plate		ÖVRE/UPPER
35		1					NS		•Rubber Mat		
36	VOE955245	8							•Hexagon screw		
37	VOE60110304	8							•Washer		(VOE960139)
38	VOE955780	8							•Hexagon nut		
39	VOE4722050	1					CS		Seal		NEDRE/LOWER
40	VOE4722048	1					CS		•Rubber mat		
41	VOE955245	4							•Hexagon screw		
42	VOE60110304	4							•Washer		(VOE960139)
43	VOE955780	4							•Hexagon nut		
44	VOE940113	16							Hexagon screw		

VOLVO

PROSIS Part Information

Date:	Image id:	Catalogue:	Model:
6/6/2026	**17017**	**97250**	**646**
Brand:	Serial:	Group/Section:	Title:
Volvo BM	**1-9999**	**22/175**	**Water pump and thermostat housing**



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
	VOE4804424	1					CS		Water pump		REMAN VOE9004804424
1	VOE787612	1					CS		•Housing		

Product: 646 Volvo Wheel Loaders BM Part Manual1
Full Download: https://www.arepairmanual.com/downloads/646-volvo-wheel-loaders-bm-part-manual1/

2	VOE787605	1						K	•Shaft		
3	VOE785505	1					SS	K	•Impeller		
4	VOE1676432	1						K	•Sealing ring		(VOE7421306)
5	VOE1676432	1						K	•Sealing ring		(VOE1542833)
6	VOE7070913	1						K	•Deflector		(VOE7070913)
7	VOE1660609	1						K	•Ball bearing		(VOE7181670)
8		1							Pulley		See ref 22/200
9	VOE787935	1					CS		Hub		
10	VOE181538	1						K	Ball bearing		(VOE7181538)
11	VOE417638	1						K	Spacer sleeve		
12	VOE7011013	1						K	Bearing		
13	VOE914462	1						K	Retaining ring		
14	VOE955524	4							Hexagon screw		
15	VOE13941907	4							Washer		(VOE941907)
16	VOE952076	1					SS		Plug		
17	VOE4804150	1					CS		Thermostat housing		
18	VOE785773	1							Gasket		
19	VOE785556	1							Ring		
20	VOE4780488	1							Thermostat		77 GRAD.
21	VOE785557	1							Ring		
22	VOE787019	1					CS		Connection pipe		
23	VOE955540	2							Hexagon screw		
24	VOE13942336	2							Spring washer		(VOE942336)
25	VOE479956	1							Plug		(VOE192154)
	VOE11701087	1							Repair kit		(VOE6630337)See footnote 684)

684) Water pump overhaul set.

Sample manual. Download All 466 pages at:
https://www.arepairmanual.com/downloads/646-volvo-wheel-loaders-bm-part-manual1/