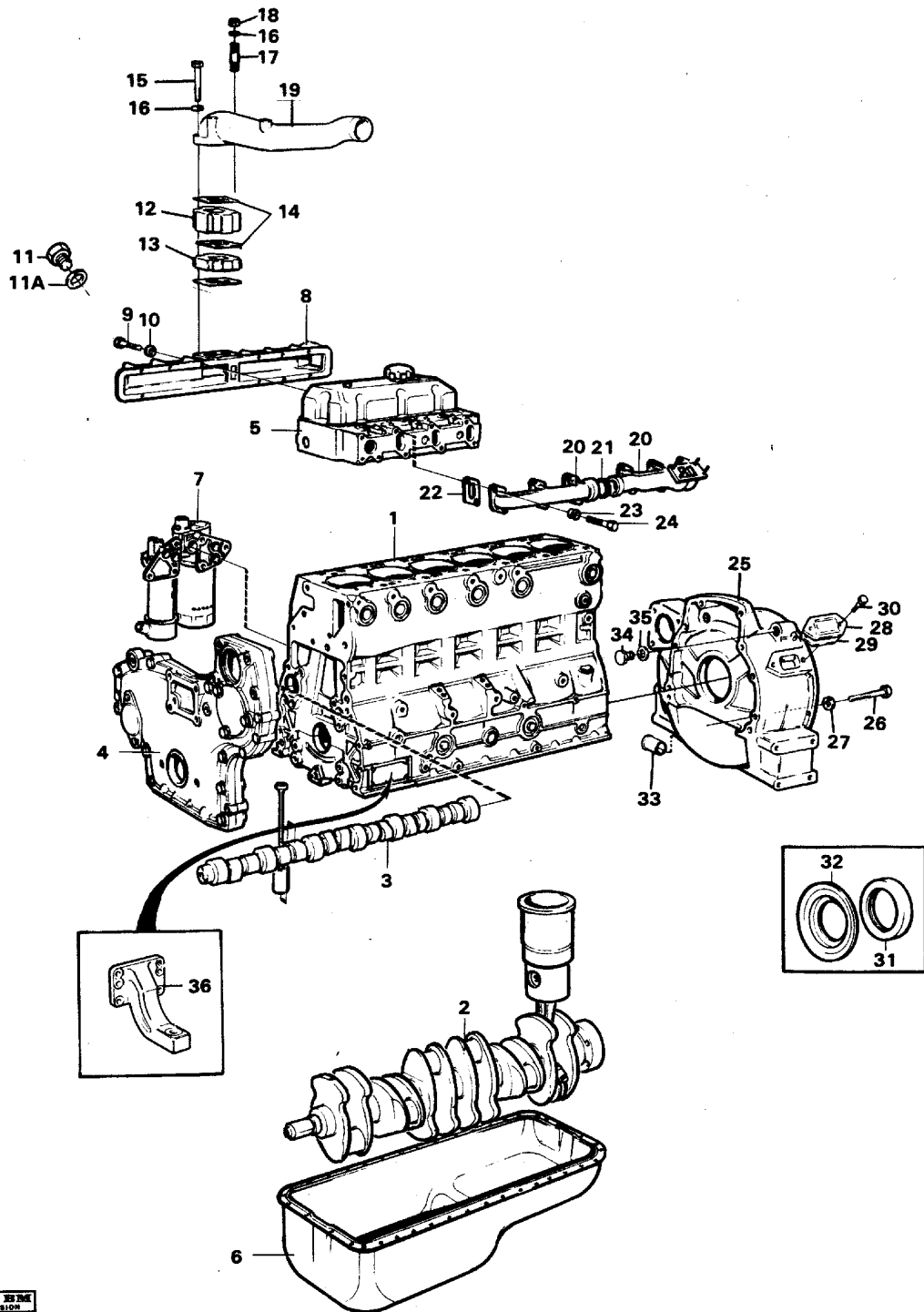


# VOLVO

## Construction Equipment

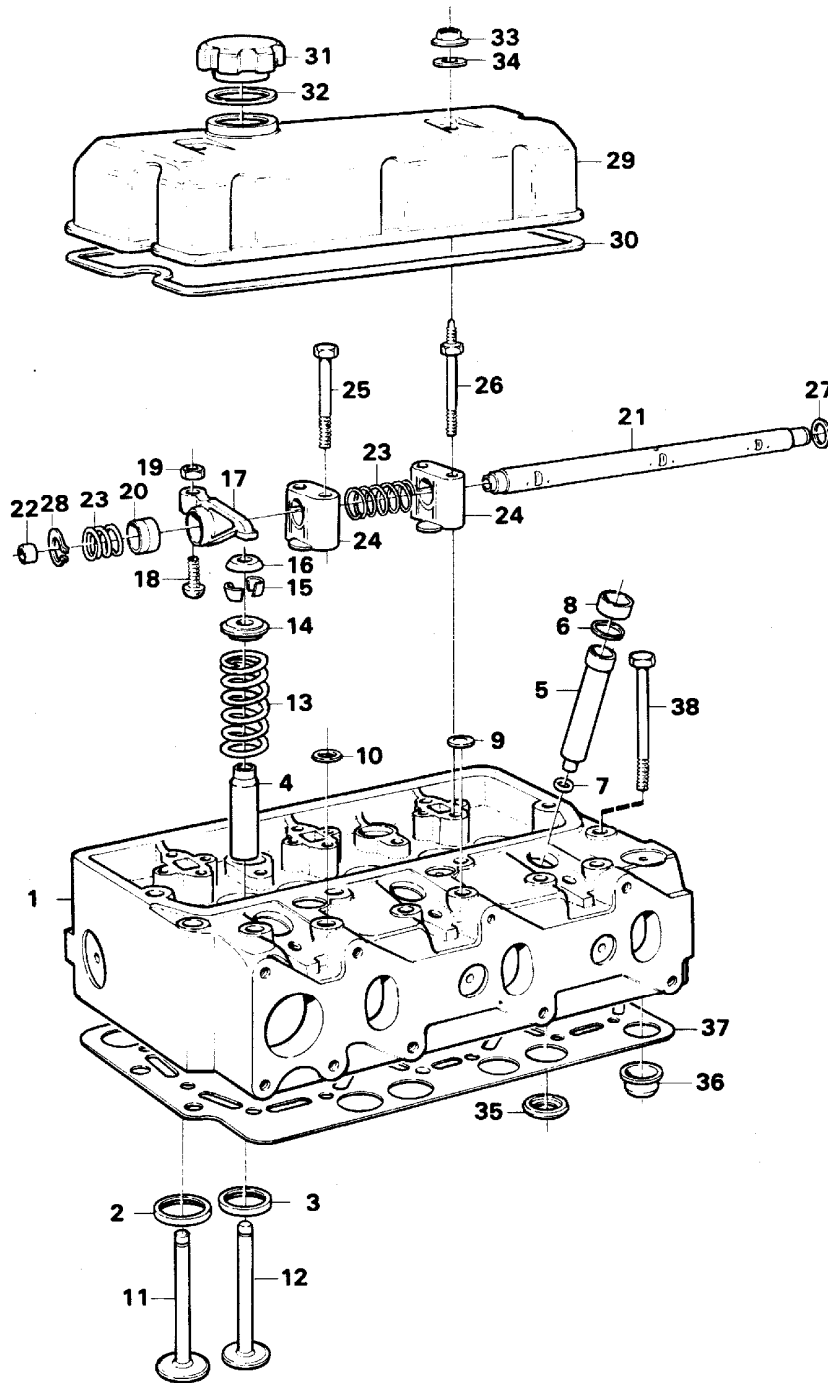
Date: <b>2014/2/10</b>	Image id: <b>18408A</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>21/50</b>	Title: <b>Engine with fitting parts</b>



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

1								Cylinder block	See ref 21/150
2								Crank mechanism	See ref 21/300
3								Camshaft	See ref 21/200
4								Timing gear casing	See ref 21/250
5								Cylinder head	See ref 21/100
6								Lubricating system	See ref 22/50
7								Oil filter	See ref 22/100
8	VOE420509	1						Inlet pipe	
9	VOE13965180	12						Screw	(VOE965180)
10	VOE13941907	12						Washer	(VOE941907)
11	VOE479979	1						Plug	(VOE191026)ENG - 8050
	VOE960628	1						Plug	ENG 8051 -
11A	VOE13947281	1						Gasket	(VOE907132)
12		1				NS		Spacer	TD 61 G
13		1				NS		Spacer	TD 61 G
		1						Starter element	See ref 37/400
14	VOE471682	3						Gasket	(VOE424619)TD 61 G
15	VOE13955311	2						Screw	TD 61 G
16	VOE13955894	4						Washer	(VOE955894)TD 61 G
17	VOE942283	2						Stud	TD 61 G
18	VOE955782	2						Hexagon nut	TD 61 G
19	VOE465251	1						Pipe	TD 61 G
20	VOE3978061	1						Exhaust pipe	(VOE465878)FRÄMRE/ FRONT
	VOE847461	1						Exhaust pipe	BAKRE/REAR
21	VOE275748	1						Sealing kit	
22	VOE420538	6						Gasket	
23	VOE420500	12						Sleeve	
24	VOE13965186	12						Screw	(VOE965186)
25	VOE11030955	1						Flywheel housing	(VOE4772142)
26	VOE13966361	6						Flange screw	(MI966361)M14 X 55
	VOE968753	2						Flange screw	M14 X 75
	VOE13946544	2						Screw	(VOE946544)M6X16
27	VOE941911	10						Spring washer	ENG - 5051
28	VOE4772168	1						Cover	
29	VOE4804167	1						Gasket	
30	VOE971003	2						Hexagon screw	(VOE962911)ENG - 5051
	VOE968753	2						Flange screw	(VOE965242)ENG 5052 -
31	VOE477119	1						Crankshaft seal	(VOE821755)
32	VOE4772132	1						Oil Catcher	
33	VOE739393	1						Tube	
34	VOE960630	1						Plug	
35	VOE13947621	1						Plane gasket	(VOE947621)
36								Engine mounting	See ref 21/400

Date: <b>2014/2/10</b>	Image id: <b>18409</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>21/100</b>	Title: <b>Cylinder head</b>



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

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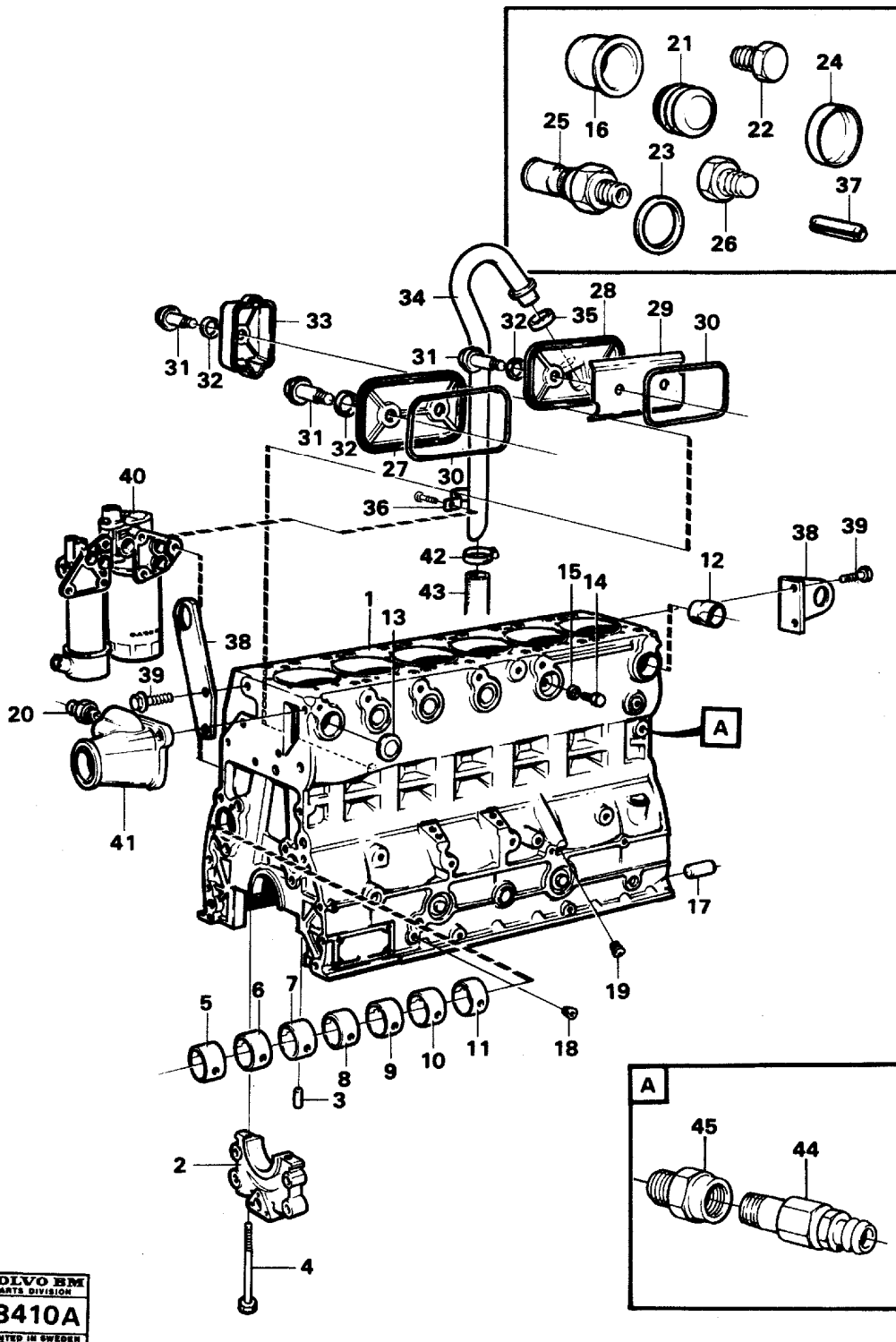
The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**

	VOE420508	2							Cylinder head		
1		2					NS		•Cylinder head		
2	VOE465158	6							••Valve seat		STD D,INLET
	VOE465238	6							••Valve seat		0,20 O SZ
3	VOE465155	6							••Valve seat		STD D,EXHAUST
	VOE465236	6							••Valve seat		0,20 O SZ
4	VOE465157	12					SS		••Guide		
5	VOE8192085	6							••Sleeve		(VOE466404)
6	VOE466405	6							••Sealing ring		
7	VOE466922	6							••Sealing ring		
8	VOE466420	6							••Ring		
9	VOE477026	14							••Expansion plug		(VOE192426)
9A	VOE477024	1							••Expansion plug		
	VOE477024	8							••Expansion plug		(VOE192211)
10	VOE947626	4							••Gasket		
11	VOE420553	6					SS		•Inlet valve		
12	VOE8192143	6							•Exhaust valve		(VOE465549)
13	VOE465233	12							•Valve spring		
14	VOE465550	12							•Washer		
15	VOE1677875	24							•Valve Collet		(VOE465284)
16	VOE465551	12							•Protecting sleeve		
17	VOE7420129	6							•Rocker arm		(VOE420129)INLET
	VOE420132	6							•Rocker arm		EXHAUST
18	VOE422993	12							••Bolt		(VOE423058)
19	VOE940175	12							••Nut		
20	VOE420125	12							••Bushing		(VOE7420125)
21	VOE465790	2							•Shaft		
22	VOE13955083	4							••Cap plug		(VOE955083)
23	VOE411139	4							•Spring		
24	VOE1665204	6							•Bearing Bracket		(VOE465793)
25	VOE471513	8							•Screw		
26	VOE471512	4							•Screw		
27	VOE7400722	4							•Shim		(VOE400722)
28	VOE914456	4							•Retaining ring		
29	VOE465950	1					OP		Valve cover		ENG- 5051 OIL FILLER CAP
	VOE465950	1					OP		Valve cover	VOE90893	
	VOE465951	1							Valve cover		ENG - 5051
	VOE465951	1							Valve cover	VOE90893	
	VOE465951	2							Valve cover		ENG 5052 -
30	VOE465952	2							Gasket		
31	VOE421753	1							Filler cap		ENG - 5051
	VOE421753	1							Filler cap	VOE90893	
32	VOE1275379	1							Gasket		(VOE940096)ENG - 5051
	VOE1275379	1							Gasket	VOE90893	(VOE940096)
33	VOE465961	4							Cap nut		



Date: <b>2014/2/10</b>	Image id: <b>18410A</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>21/150</b>	Title: <b>Cylinder block</b>



Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
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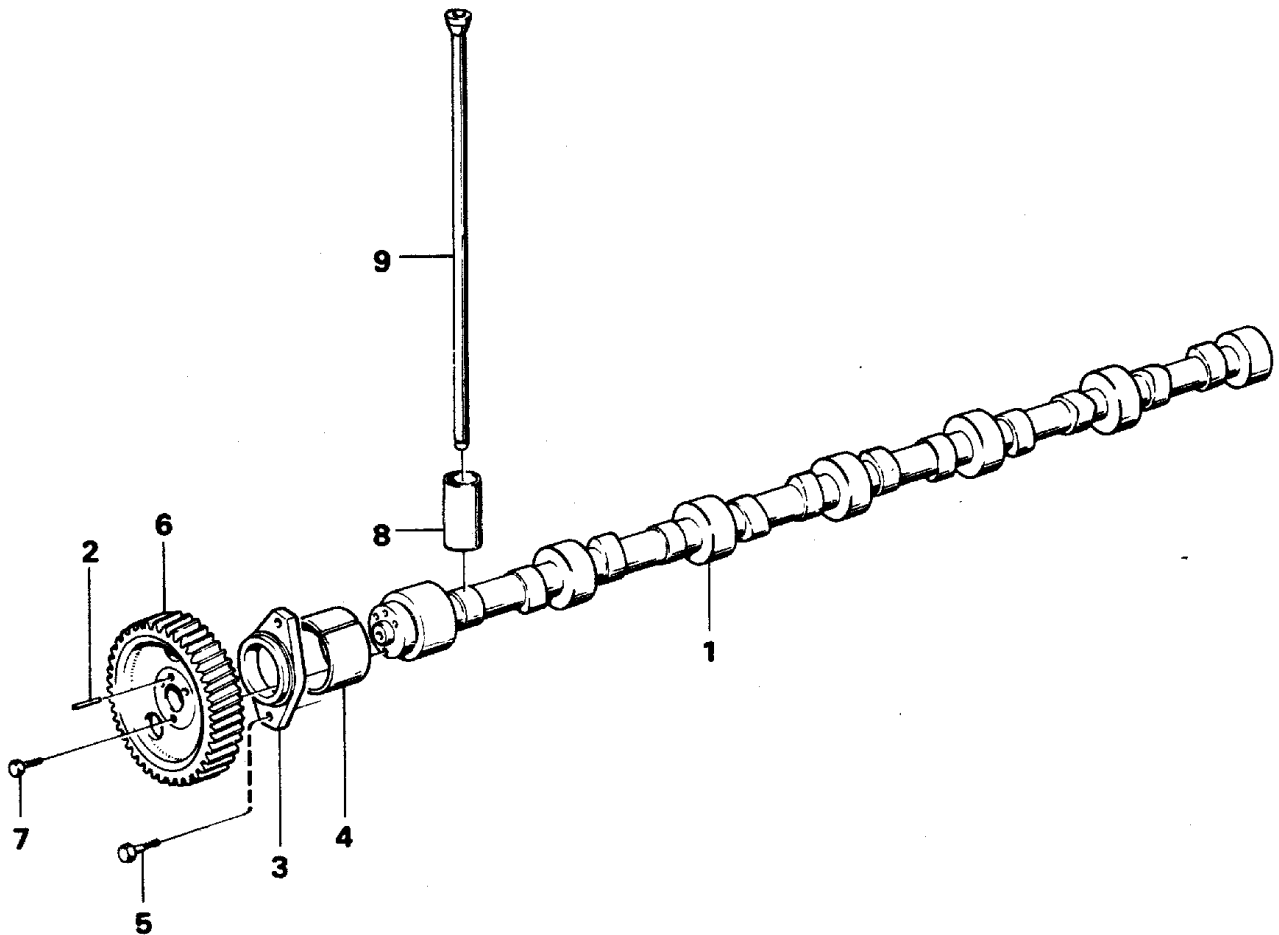
1	VOE465800	1					OP		Cylinder block		
2		7					NS		•Cap		
3	VOE422426	7							••Pin		
4	VOE465899	14							••Screw		
5	VOE786724	1							•Bushing		
6	VOE422077	1							•Bushing		(VOE7422077)
7	VOE422078	1							•Bushing		
8	VOE11000014	1							•Bushing		(VOE422079)
9	VOE422080	1							•Bushing		(VOE7422080)
10	VOE422081	1							•Bushing		
11	VOE422082	1							•Bushing		
12	VOE421154	6							•Nozzle		
13	VOE11000230	4					SS		•Expansion plug		(VOE1542263)
14	VOE467367	2							•Plug		(VOE467649)
15	VOE1556907	2							•Gasket		(VOE469328)
16	VOE422369	7							•Plug		
17	VOE191171	2							•Pin		(VOE191171)
18	VOE952075	2							•Plug		
19	VOE952076	1					SS		•Plug		
20	VOE13946121	1							Nipple		(VOE946121)
21	VOE476279	1							Protecting cap		
22	VOE960630	1							Plug		
23	VOE13947621	1							Plane gasket		(VOE947621)
24	VOE955082	1							Cap plug		
25	VOE1606877	1							Switch		SE16
26	VOE479979	1							Plug		(VOE191026)
27	VOE420120	1							Inspection lid		
28	VOE420121	1							Hatch		
29	VOE3978045	1							Splash plate		(VOE471858)
30	VOE421121	2							Gasket		
31	VOE471855	5							Screw		
32	VOE471856	5							Sealing ring		
33	VOE471854	1							Cover		
34	VOE848497	1							Breather pipe		
35	VOE421158	1							Sealing ring		
36	VOE968124	1							Clamp		
37	VOE951974	1							Spring pin		
38		1					NS		Lifting eye		FRAM/FRONT
		2					NS		Lifting eye		BAK/REAR
39	VOE13965191	2							Screw		(VOE965191)L=30
40		1							Oil filter housing		See ref 22/100
41		1							Conn housing		See ref 26/200
42	VOE927661	REQ							Rubber hose		
43	VOE943475	1							Hose clamp		
44	VOE13947893	1							Crane		(VOE947893)ENG 3513 -
45	VOE479954	1							Nipple		(VOE7190130)ENG

										3513 -
	VOE13946121	1						Nipple		ENG - 3512

# VOLVO

## Construction Equipment

Date: <b>2014/2/10</b>	Image id: <b>18350A</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>21/200</b>	Title: <b>Camshaft</b>



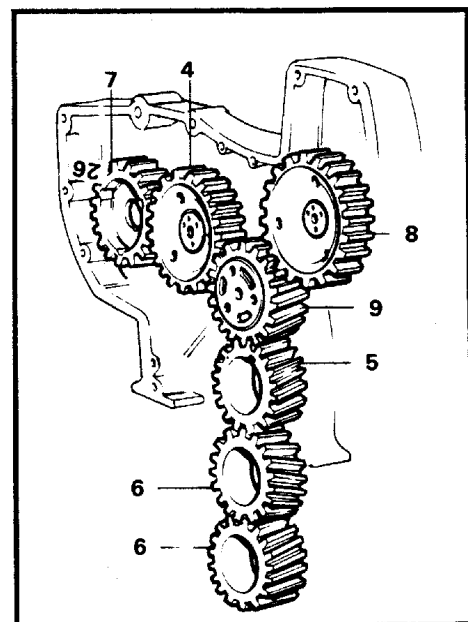
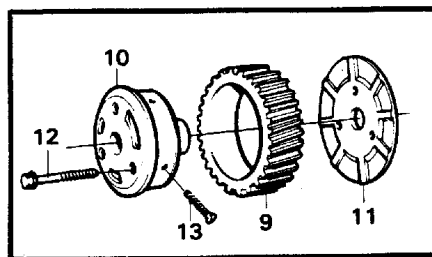
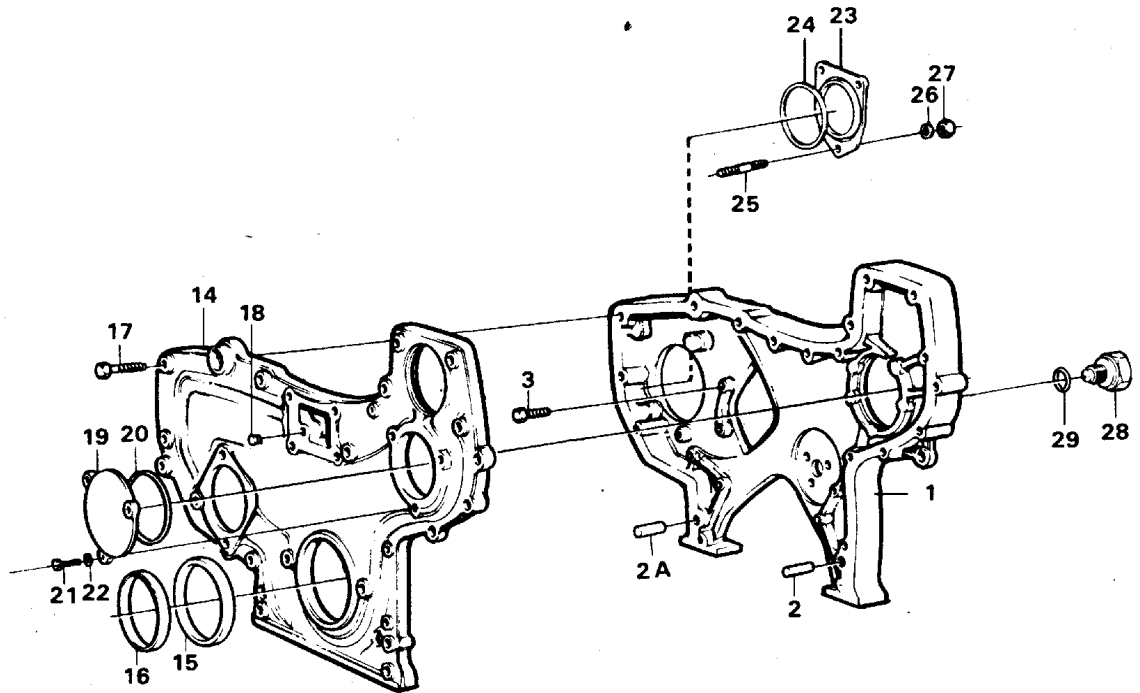
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE465787	1							Camshaft		
		1					NS		•Camshaft		
2	VOE950588	1							•Pin		
3	VOE465789	1							Flange		
4		7							Bearing bushing		See ref 21/150



# VOLVO

## Construction Equipment

Date: <b>2014/2/10</b>	Image id: <b>18412</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>21/250</b>	Title: <b>Timing gear casing</b>

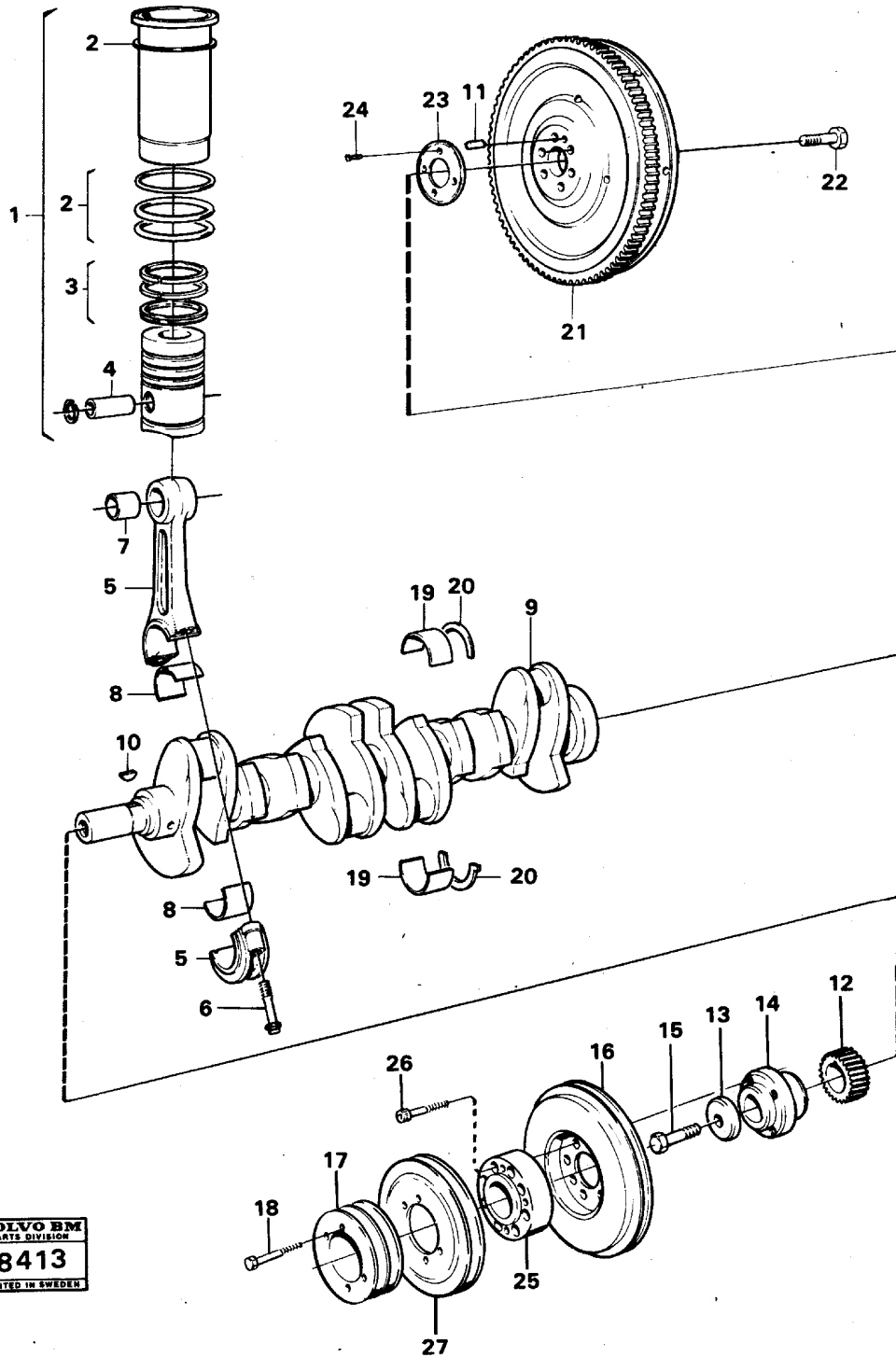


**VOLVO BM**  
PARTS DIVISION  
**18412**  
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Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
-----	------	----	----	----	----	----	----	-----	-------------	-----------	--------

1	VOE465797	1							Timing gear casing		
2	VOE13941510	1							Pin		(VOE941510)
2A	VOE13941511	1							Pin		(VOE941511)
3	VOE471534	2							Screw		L=28
	VOE471535	2							Screw		L=58
4		1							Gear		See ref 21/200
5		1							Gear		See ref 21/300
6		2							Oilpump gear		See ref 22/150
7		1							Compressor gear		See ref 56/50
8		1							Gear,inject.pump		See ref 23/200
9	VOE8192518	1							Idler gear		(VOE471552)
		1					NS		•Bearing		
10	VOE422766	1					SS		Pin		(VOE467463)
		1					NS		•Stupaxle		
		1					NS		•Hub,idler gear		
11	VOE478951	1							•Thrust washer		(VOE467529)
12	VOE471554	3							Screw		
13	VOE471555	3							Screw		
14	VOE471562	1					SS		Timing gear cover		
	VOE477118	1							•Sealing ring		
15		1					NS		••Sealing strip		
16		1					NS		••Sealing strip		(VOE942083)
17	VOE13947760	7							Screw		(VOE947760)L=40
	VOE13948217	2							Screw		(VOE948217)L=45
	VOE13965216	1							Screw		(VOE965216)L=55
	VOE13965182	4							Screw		(VOE965182)L=80
	VOE13965183	1							Flange screw		(VOE965183)L=90
	VOE965225	1							Flange screw		(VOE966343)L=35
	VOE13965189	2							Screw		(VOE965189)L=90
	VOE946471	2							Flange screw		L=16
18	VOE13947281	2							Gasket		(VOE947281)
19	VOE471559	1							Cover		
20	VOE925257	1							O-ring		
21	VOE13945444	3							Screw		(VOE945444)
22	VOE13941907	3							Washer		(VOE941907)
23	VOE420178	1							Cover		
24	VOE13975610	1							O-ring		(VOE413619)
25	VOE967951	3							Stud		
26	VOE955899	3							Washer		
27	VOE13971097	3							Flange nut		(VOE965484)
28	VOE13960632	1							Plug		(VOE960632)
29	VOE13947624	1							Plane gasket		(VOE7011998)

Date: <b>2014/2/10</b>	Image id: <b>18413</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>21/300</b>	Title: <b>Crankshaft and related parts</b>



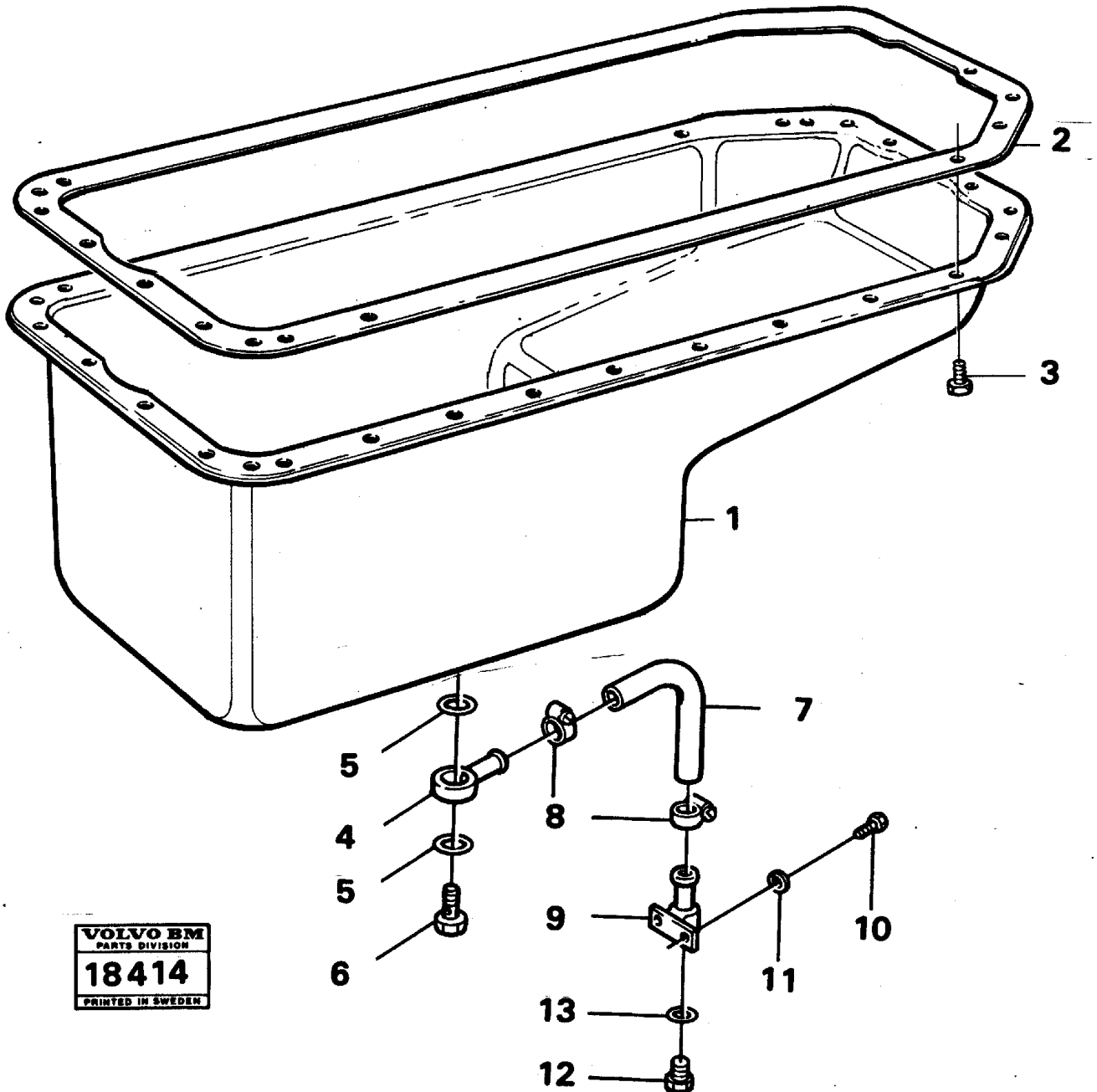
**VOLVO BM**  
PARTS DIVISION  
**18413**  
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Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
-----	------	----	----	----	----	----	----	-----	-------------	-----------	--------

1	VOE275394	6						Cylinder liner kit		STD D
		1					NS	•Cylinder liner		
2	VOE271161	1						•Sealing ring kit		(VOE275772)
		1					NS	••Sealing strip		ÖVRE/UPPER
		3					NS	••Sealing strip		NEDRE/LOWER
3	VOE270713	1						•Piston ring kit		(VOE275376)STD D
		1					NS	••Compression ring		
		1					NS	••Compression ring		
		1					NS	••Oil ring		
4	VOE3978023	6						•Gudgeon pin		(VOE420258)
	VOE914523	2						•Retaining ring		
	VOE465394	REQ						Shim		THICK = 0,20mm
	VOE465395	REQ						Shim		THICK = 0,30mm
	VOE465396	REQ						Shim		THICK = 0,50mm
5	VOE3092237	6						Connecting rod		(VOE465812)
		1					NS	•Connecting rod		
		1					NS	•Cap		
6	VOE465815	2						•Screw		
7	VOE465816	1						•Bushing		ENG - 144544
7	VOE8192121	1						•Bushing		ENG 144545 -
8	VOE270139	6						Piston Bearing		STD D
		2					NS	•Bearing shell		
	VOE270140	6						Big End Brg Kit		0.25mm U SZ
		2					NS	•Bearing shell		
	VOE270141	6						Big End Brg Kit		0.50mm U SZ
		2					NS	•Bearing shell		
	VOE270142	6						Big End Brg Kit		0,75mm U SZ
		2					NS	•Bearing shell		
	VOE270143	6					OP	Bearing shell		1,00mm U SZ
		2					NS	•Bearing shell		
	VOE270144	6					OP	Bearing shell		1.25mm U SZ
		2					NS	•Bearing shell		
9	VOE420662	1					SS	Crankshaft		(VOE465798)
10	VOE422253	1						•Key		
11	VOE950677	1						Pin		
12	VOE471528	1						Gear		
13	VOE420124	1						Washer		
14	VOE465779	1						Hub		
15	VOE470366	1						Screw		
16	VOE421515	1						Vibration damper		(VOE471194)
17	VOE4772236	1						Pulley		33206, SER NO 7573 -
										33214, SER NO 60139 -
	VOE4772220	1						Pulley	VOE90781	
18	VOE13965187	4						Screw		(MI965187)33206, SER NO 7573 -
										33214, SER NO 60139 -
19	VOE271230	7						Main bearing kit		STD D



Date: <b>2014/2/10</b>	Image id: <b>18414</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>21/350</b>	Title: <b>Oil sump</b>



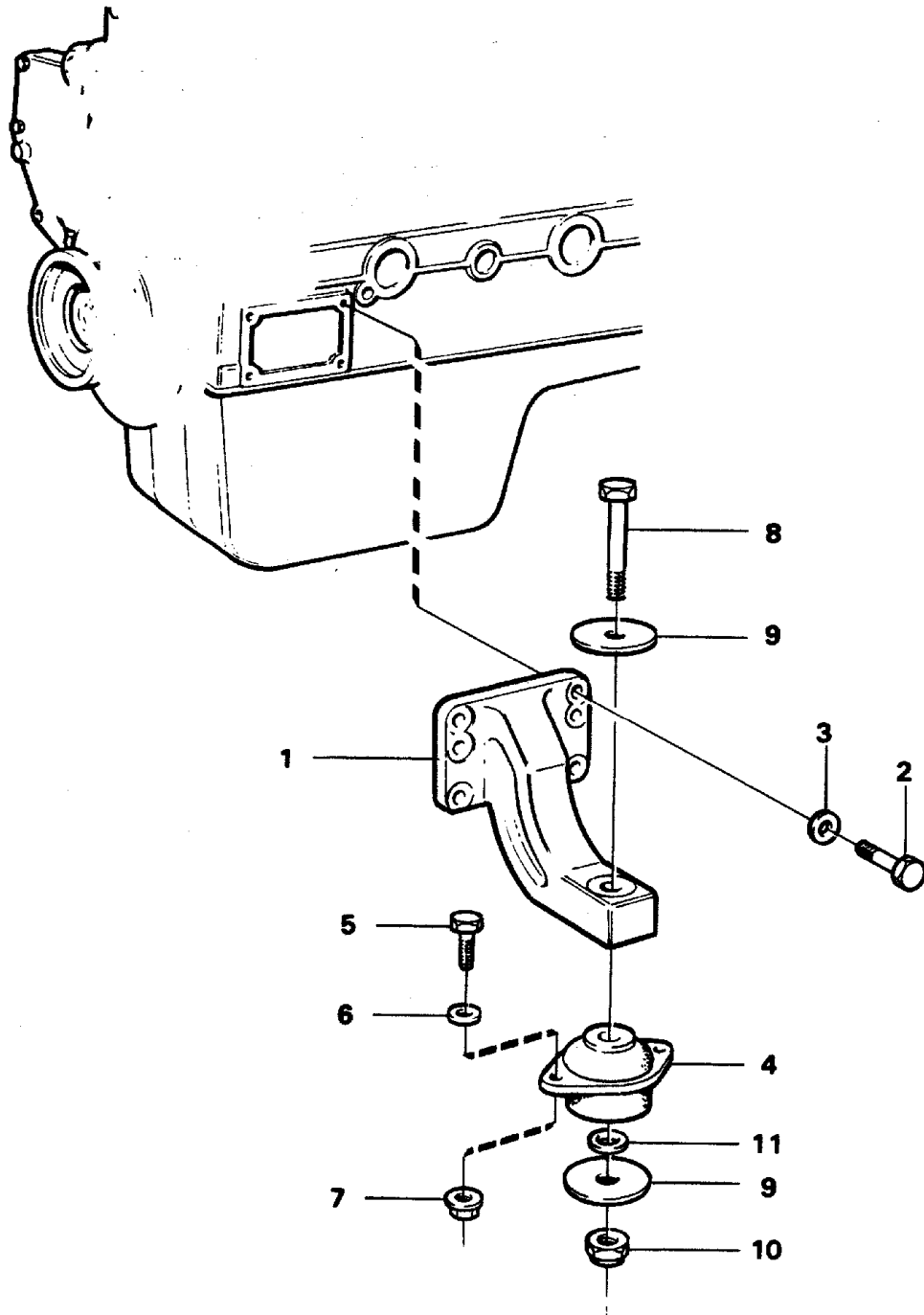
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1	VOE4772139	1							Oil pan		
2	VOE11030778	1							Gasket		(VOE424600)
3	VOE946440	34							Flange screw		
4	VOE4761859	1							Oil draining pipe		

5	VOE13955997	2							O-ring		(VOE955997)
6	VOE4746672	1							Hollow screw		
7	VOE13961191	REQ							Hydraulic hose		(VOE961191)L = 590
8	VOE13943472	2							Hose clamp		(VOE943472)
9	VOE4850236	1							Nipple		
10	VOE13955294	2							Screw		(VOE955294)
11	VOE13941907	2							Washer		(VOE941907)
12	VOE926370	1							Plug		
13	VOE958225	1							O-ring		

# VOLVO

## Construction Equipment

Date: <b>2014/2/10</b>	Image id: <b>18377A</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>21/400</b>	Title: <b>Engine mounting</b>



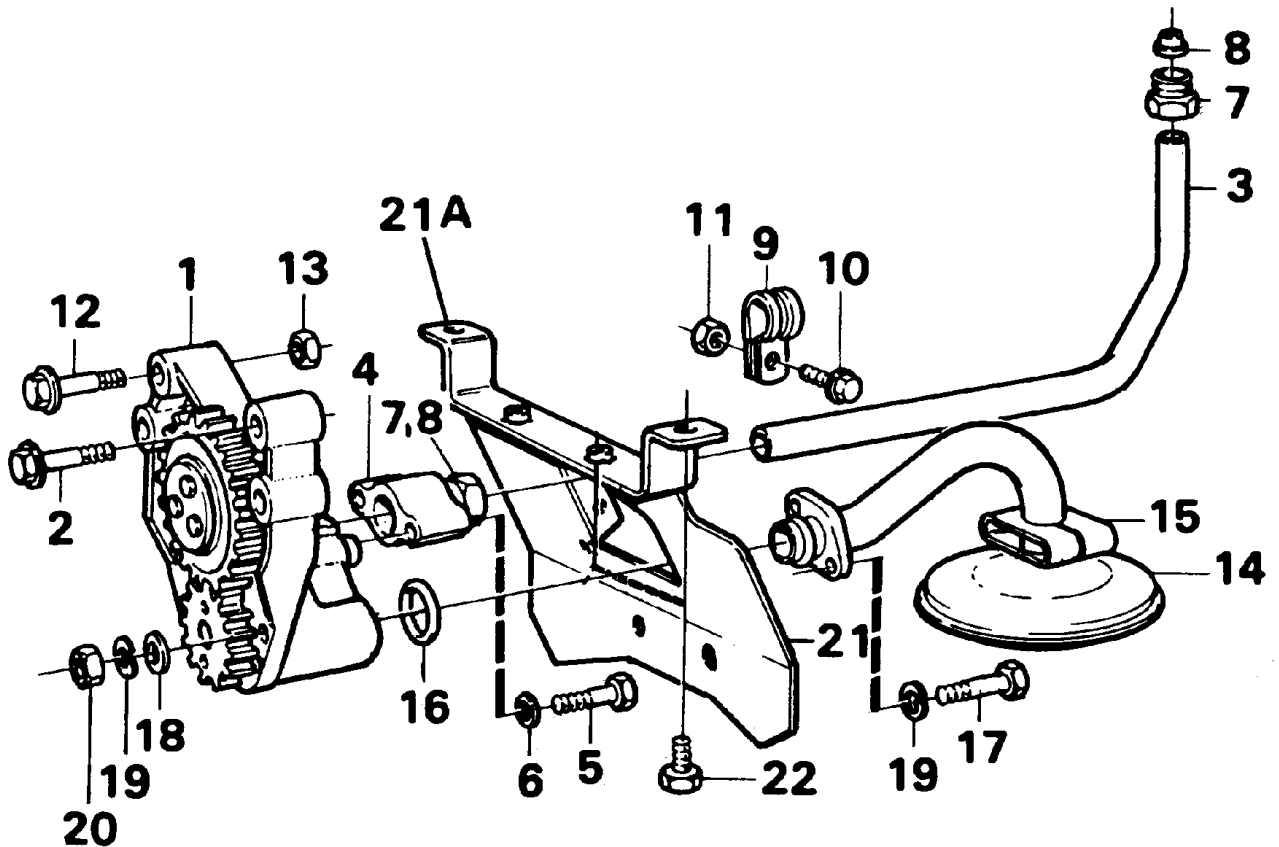
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
-----	------	----	----	----	----	----	----	-----	-------------	-----------	--------

1	VOE4856778	2							Engine Mounting		
2	VOE13970975	8							Hexagon screw		(VOE13945346)
3	VOE13955897	8							Washer		(VOE955897)
4	VOE342812	2							Rubber cushion		(VOE7342812)
5	VOE13970950	4							Hexagon screw		
6	VOE13960143	4							Washer		(VOE960143)
7	VOE13971098	4							Flange nut		(VOE949279)
8	VOE13955378	2							Screw		(VOE955378)
9	VOE11015657	4							Washer		(VOE4746470)
10	VOE945884	2							Lock nut		
11	VOE13955900	4							Washer		

# VOLVO

## Construction Equipment

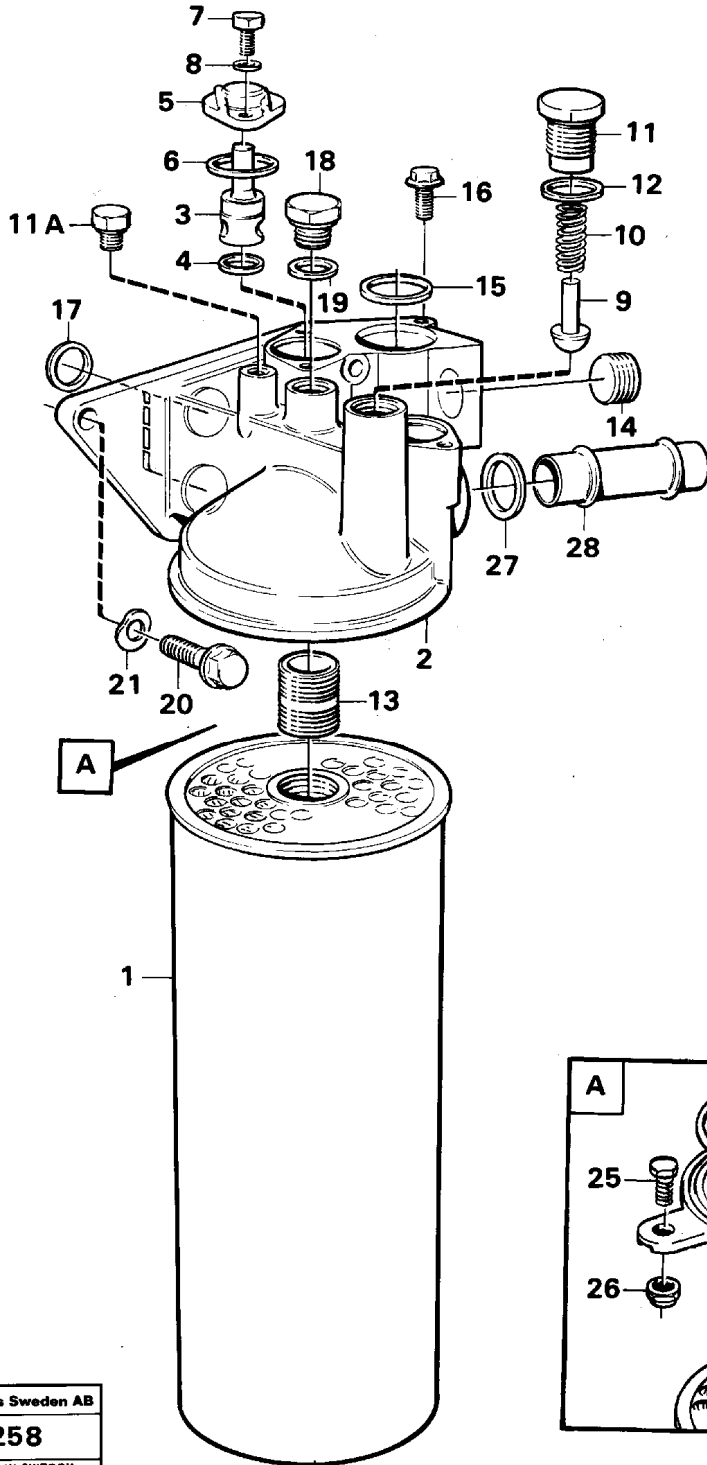
Date: <b>2014/2/10</b>	Image id: <b>18417</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>22/50</b>	Title: <b>Lubricating oil system</b>



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

1		1						Oil pump		See ref 22/150
2	VOE471513	4						Screw		M10 L=70
	VOE471734	2						Screw		M8 L=70
3	VOE465845	1					SS	Tube		
4	VOE465846	1						Sleeve		
5	VOE13955308	2						Screw		(VOE955308)
6	VOE13955894	2						Washer		(VOE955894)
7	VOE471588	2						Connector		
8	VOE980786	2						Fitting		(VOE956972)
9	VOE1545433	1						Clamp		
10	VOE946440	1						Flange screw		
11	VOE13945408	1						Nut		(EH945408)
12	VOE13965218	2						Screw		(VOE965218)
13	VOE946036	2						Lock nut		
14	VOE4772092	1					OP	Suction pipe		
		1					NS	•Strainer		
		1					NS	•Flange		
15		1					NS	Bracket		
16	VOE470383	2						Sealing ring		
17	VOE13965182	2						Screw		(VOE965182)
18	VOE13955894	4						Washer		(VOE955894)
19	VOE13941907	2						Washer		(VOE941907)
20	VOE13945408	2						Nut		(EH945408)
21	VOE4772097	1						Baffle plate		
21A	VOE4772098	1						Bracket		
22	VOE946440	4						Flange screw		

Date: <b>2014/2/10</b>	Image id: <b>20258</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>22/100</b>	Title: <b>Oil filter. ENG - 64926</b>

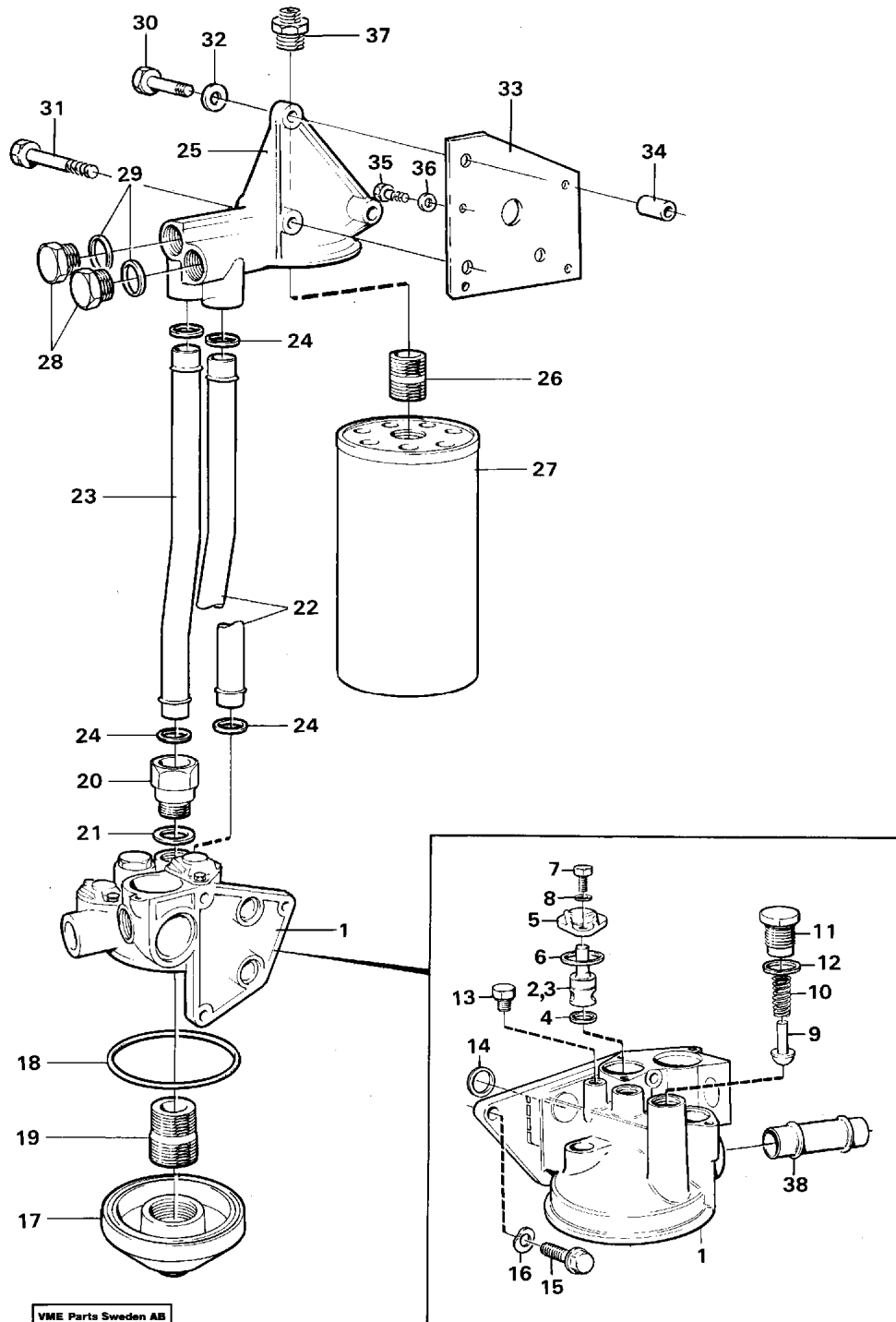


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Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
-----	------	----	----	----	----	----	----	-----	-------------	-----------	--------

1	VOE466634	1							Oil filter		
	VOE420928	1							Oil filter housing		(VOE465829)ENG - 8142
	VOE11030508	1					OP		Housing		ENG 8143 -
2		1					NS		•Oil filter housing		
3	VOE471706	1							•Reduction valve		Marked BLUE, märkt BLÅ
	VOE471640	1							•Reduction valve		Marked RED, märkt RÖD
4	VOE469846	2							•Sealing ring		
5	VOE471648	2							•Cover		
6	VOE949659	2							•O-ring		
7	VOE13955272	4							•Screw		(VOE955272)
8	VOE955892	4							•Washer		
9	VOE471085	1							•Valve cone		
10	VOE466653	1							•Compression spring		
11	VOE471598	1							•Plug		
11A	VOE479979	1							•Plug		(VOE191026)
12	VOE13947627	1							•Plane gasket		(VOE947627)
13	VOE466623	1							•Nipple		ENG - 8142
	VOE4771600	1							•Nipple		ENG 8143 -
14	VOE13948811	1							•Cap plug		(VOE948811)
15	VOE421629	1							Sealing ring		
16	VOE13946173	1							Screw		(VOE946173)
17	VOE13949656	2							O-ring		(VOE949656)
18	VOE960631	1							Plug		
19	VOE13947622	1							Plane gasket		
20	VOE946329	2							Flange screw		
	VOE13965222	1							Screw		
21	VOE941908	3							Spring washer		
22	VOE968759	1							O-ring		ENG 8143 -
23	VOE4771601	1							Plate		ENG 8143 -
24	VOE914461	1							Retaining ring		ENG 8143 -
25	VOE946471	1							Flange screw		ENG 8143 -
26	VOE13961293	1							Nut		ENG 8143 -
27	VOE471956	1							Sealing ring		
28		1							Pipe		See ref 22/130

Date: <b>2014/2/10</b>	Image id: <b>20256</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>22/120</b>	Title: <b>Oil filter. ENG 64927 -</b>

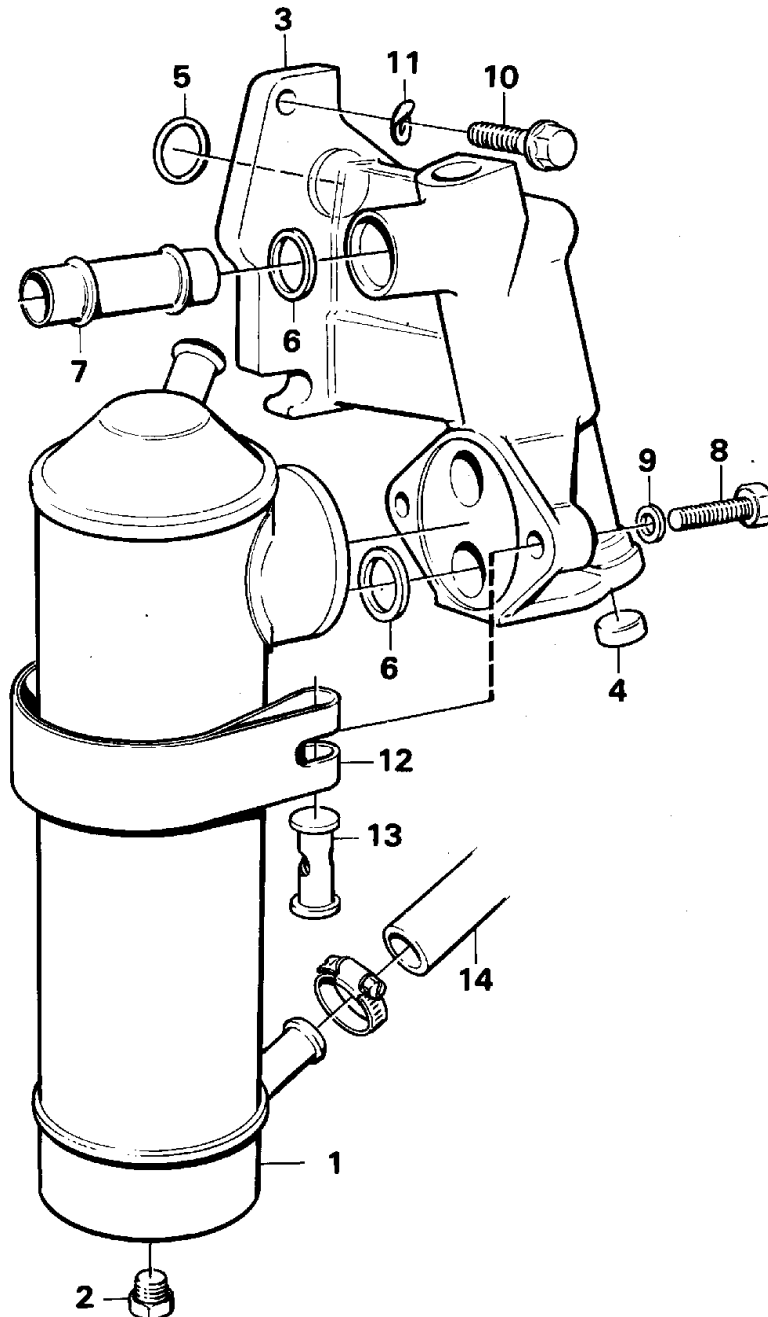


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Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
-----	------	----	----	----	----	----	----	-----	-------------	-----------	--------

	VOE11030612	1							Housing		
1		1							•Housing		
2	VOE471706	1							•Reduction valve		Marked BLUE, märkt BLÅ
3	VOE471640	1							•Reduction valve		Marked RED, märkt RÖD
4	VOE469846	2							•Sealing ring		
5	VOE471648	2							•Cover		
6	VOE949659	2							•O-ring		
7	VOE13955272	4							•Screw		(VOE955272)
8	VOE955892	4							•Washer		
9	VOE471085	1							•Valve cone		
10	VOE466653	1							•Compression spring		
11	VOE471598	1							•Plug		
12	VOE13947627	1							•Plane gasket		(VOE947627)
13	VOE479979	1							•Plug		(VOE191026)
14	VOE13949656	2							O-ring		
15	VOE946329	2							Flange screw		
	VOE13965222	1							Screw		
16	VOE941908	3							Spring washer		
17	VOE3812509	1							Casing		(VOE848431)
18	VOE13948981	1							O-ring		
19	VOE11030599	1							Nipple		
20	VOE11030597	1							Nipple		
21	VOE13947625	1							Plane gasket		
22	VOE11030617	1							Pipe		
23	VOE11030616	1							Pipe		
24	VOE471956	4							Sealing ring		
25	VOE11030594	1							Housing		
26	VOE466623	1							Nipple		
27	VOE466634	1							Oil filter		
28	VOE13966145	2							Plug		
29	VOE13947627	2							Plane gasket		(VOE947627)
30	VOE940132	2							Hexagon screw		
31	VOE955306	1							Hexagon screw		
32	VOE13955894	3							Washer		(VOE955894)
33	VOE11030605	1							Bracket		
34	VOE11030608	4							Spacer sleeve		TD 61 G
	VOE843075	4							Spacer sleeve		TD 61 KAE
35	VOE13955308	4							Screw		
36	VOE13955894	4							Washer		(VOE955894)
37	VOE13963948	1							Nipple		
38		1							Tube assembly		See ref 22/130

Date: <b>2014/2/10</b>	Image id: <b>20257</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>22/130</b>	Title: <b>Oil cooler</b>

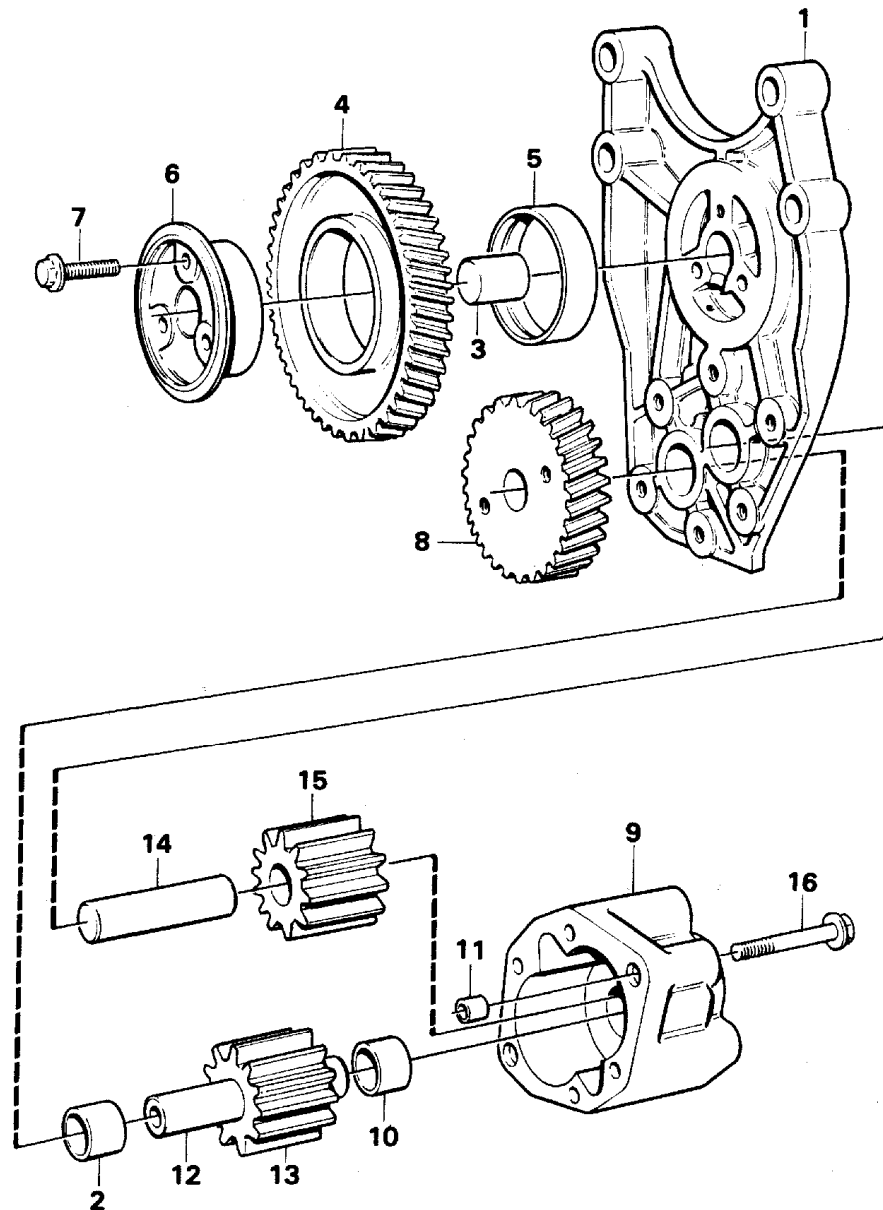


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Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
-----	------	----	----	----	----	----	----	-----	-------------	-----------	--------

1	VOE465854	1							Oil Cooler		
2	VOE479979	1							•Plug		(VOE191026)
3	VOE420613	1							Housing		
4		1					NS		•Cap plug		
5	VOE13949656	2							O-ring		
6	VOE469483	2							Sealing ring		
7	VOE471602	1							Pipe		
8	VOE955299	2							Hexagon screw		
9	VOE13955894	2							Washer		(VOE955894)
10	VOE946329	3							Flange screw		
11	VOE941908	3							Spring Washer		
12	VOE465858	1							Tensioning Band		
13		2					NS		•Pin nut		
14		1							Hose		See ref 22/200

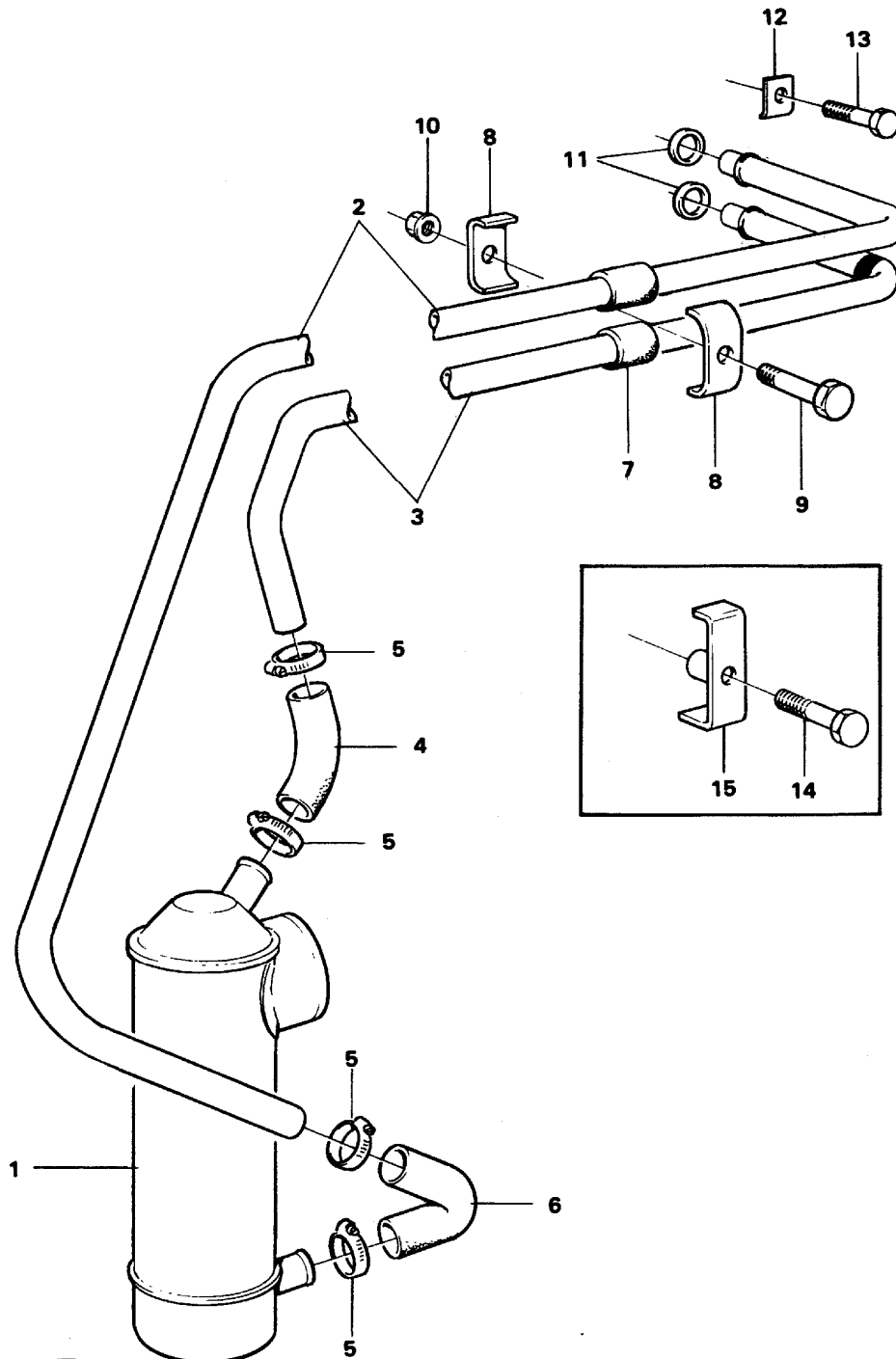
Date: <b>2014/2/10</b>	Image id: <b>18419</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>22/150</b>	Title: <b>Oil pump</b>



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

	VOE420867	1							Oil pump		
1	VOE471571	1							•Bracket		
		1					NS		••Bracket		
2		2					NS	K	•••Bushing		
3	VOE191171	1							••Pin		(VOE191171)
	VOE471942	1							•Drive Gear		
4		1					NS		••Idler gear		
5		1					NS		••Bearing ring		
6	VOE420048	1							•Bearing sleeve		
7	VOE471586	1							•Screw		
8	VOE471941	1							•Drive Gear		
9		1					NS		•Oil pump housing		
10		2					NS	K	••Bushing		
11	VOE401146	2							•Guide sleeve		
12		1					NS	K	•Drive shaft		
		1					NS		••Drive shaft		
13		1						K	••Pump gear		
14		1					NS		•Idler shaft		
		1					NS		••Idler shaft		
15		1					NS		••Pump gear		
16	VOE13965181	2							•Screw		(VOE965218)
	VOE276151	1							Repair kit		(VOE275773)

Date: <b>2014/2/10</b>	Image id: <b>18415A</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>22/200</b>	Title: <b>Oil cooler with hoses</b>



**VOLVO BM**  
PARTS DIVISION  
**18415A**  
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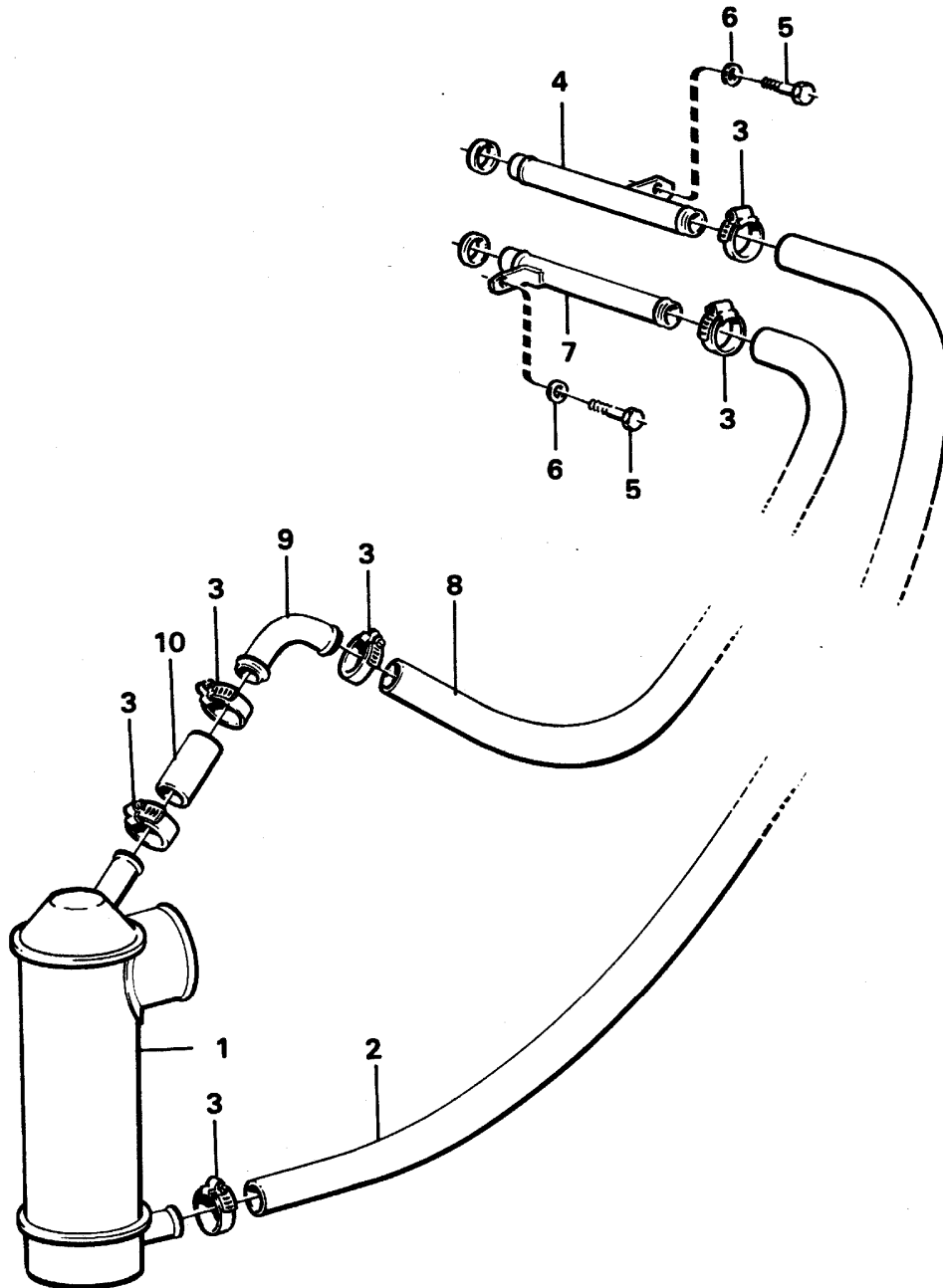
Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
-----	------	----	----	----	----	----	----	-----	-------------	-----------	--------

1		1							Oil cooler		See ref 22/130
2	VOE4772228	1							Pipe		
3	VOE4772089	1							Pipe		
4	VOE943369	REQ							Hose		L = 140
5	VOE943473	4							Hose clamp		
6	VOE351574	1							Hose		
7	VOE11000285	REQ							Rubber hose		L = 30 X 2
8	VOE424204	4							Clamp		
9	VOE946470	2							Flange screw		(VOE946470)
10	VOE13945408	2							Nut		(EH945408)
11	VOE471626	2							Sealing ring		
12	VOE421654	1							Clamp		
13	VOE13965175	1							Screw		(VOE965175)
14	VOE13965194	1							Screw		(VOE965194)
15	VOE849059	1							Clamp		

# VOLVO

## Construction Equipment

Date: <b>2014/2/10</b>	Image id: <b>20100</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>22/225</b>	Title: <b>Oil cooler with hoses. 91270, 91702</b>



Section option	Kit	Option description
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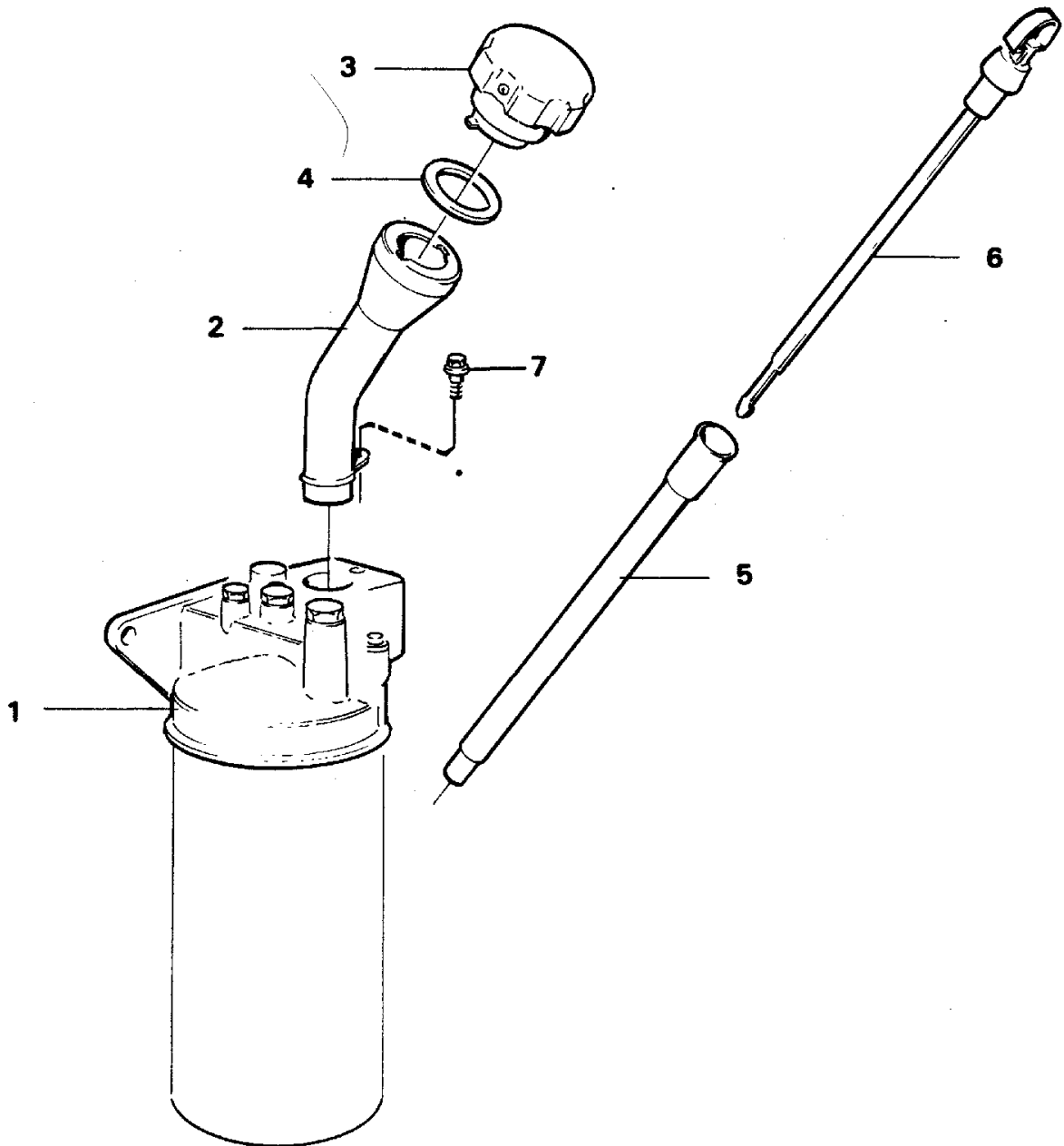
VOE91702	VOE11990309	Air Pressure Equipment
VOE91270	VOE11990227	Air pressure equipment

Pos	Part	Q1	Q2	Q3	Q4	Q5	PS	Kit	Description	Option(s)	Remark
1		1							Oil cooler		See ref 22/100
2	VOE943369	REQ							Hose		L=1100
3	VOE13943474	6							Hose clamp		
4	VOE11101206	1					OP		Water pipe		(VOE4942815)
5	VOE955274	2					SS		Hexagon screw		
6	VOE955892	2							Washer		
7	VOE11101321	1							Water pipe		(VOE11013633)
8	VOE943369	REQ							Hose		L=900
9	VOE11013645	1							Pipe elbow		
10	VOE943369	REQ							Hose		L=130

# VOLVO

## Construction Equipment

Date: <b>2014/2/10</b>	Image id: <b>18416</b>	Catalogue: <b>97318</b>	Model: <b>L90</b>
Brand: <b>Volvo BM</b>	Serial: <b>7401-11008, 40301-50000, 60001-61100</b>	Group/Section: <b>22/250</b>	Title: <b>Oil filler and dipstick</b>



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