



Gr71976

# SX-M / DP-SM - UPPER GEAR UNIT

REF	PART NO.	QTY	DESCRIPTION	SEE SEC.	NOTES
	3868889	1	Drive, Complete assy, SX-M		1.43:1
	3868890	1	Drive, Complete assy, SX-M		1.51:1
	3868891	1	Drive, Complete assy, SX-M		1.60:1
	3868892	1	Drive, Complete assy, SX-M		1.66:1
	3868893	1	Drive, Complete assy, SX-M		1.79:1
	3868894	1	Drive, Complete assy, SX-M		1.89:1
	3868895	1	Drive, Complete assy, SX-M		1.97:1
	3868896	1	Drive, Complete assy, SX-M		2.18:1
	3868897	1	Drive, Complete assy, SX-MTD		1.79:1
	3868898	1	Drive, Complete assy, SX-MTD		2.18:1
	3868911	1	Drive, Complete assy, DP-SM		1.68:1
	3868912	1	Drive, Complete assy, DP-SM		1.78:1
	3868913	1	Drive, Complete assy, DP-SM		1.95:1
	3868914	1	Drive, Complete assy, DP-SM		2.32:1
	3869036	1	Drive, Complete assy, DP-SMTD		1.95:1
1	3857007	1	Upper gear unit, Upper, 22:23		1.43, 1.51, 1.60, 1.66, 1.78, 1.85, 1.95
	3857010	1	Upper gear unit, Upper, 21:26		1.79, 1.89, 1.97, 2.18, 2.32
2	3855775	1	Gear housing, Upper		
3	3852541	1	• Insert, Threaded, 7/16-14		
4	3852515	5	• Thread insert, Threaded, 3/8-16		
5	3852516	4	Ring retainer, Thrust plate to upper gear		
6	3852363		Shim, Upper bearing, 0.002 in		0.05 mm; as required
	3852364		Shim, Upper bearing, 0.003 in		0.08 mm; as required
	3852365		Shim, Upper bearing, 0.004 in		0.10 mm; as required
	3852366		Shim, Upper bearing, 0.005 in		0.13 mm; as required
	3852367		Shim, Upper bearing, 0.010 in		0.25 mm; as required
7	3850629	4	Screw, Top cover to upper gear hsg		
8	3852317	1	Gasket, Top cover to upper gear hsg		
9	3854847	1	Oil dipstick, Oil indicator, upper gear hsg cover		
10	3851203	1	Gear set, Upper		1.68-1.78-1.95
	3851505	1	Gear set, Upper		1.43-1.51-1.60-1.66
	3856996	1	Gear set, Upper		1.79-1.89-1.97-2.18-2.32
		2	• DRIVE GEAR		
		1	• PINION GEAR		
11	3852267	1	Bearing carrier, Pinion		
12	3852269	1	Support ring, Upper bearing		
13	3852384	1	Universal joint		
			Bulletin P-44-1-5	P-44-1-5-EN	U-joints
14	3850815	1	• Yoke		
15	3850813	1	• Intermediate section		
16	3850814	1	• Yoke		
17	3850812	2	• Spider		
18	3850757	4	• Lock clip, U-joint		
19	3852310	1	Washer, Pinion gear		
20	3852355		Adjusting washer, Bearing carrier, 0.003 in		0.08 mm; as required
	3852356		Adjusting washer, Bearing carrier, 0.004 in		0.10 mm; as required

7797470 - - 0-0003

GR71976

Upd: 22 NOV 2005

WT Drives, PJX-C, PJX-S SX-M, -MACLT, -MDA, -MDB, -MHP, -MLT, -MTD, DP-E; DP-S, -S1, -S2; DP-SM, -SM

**VOLVO**  
**PENTA**

# SX-M / DP-SM - UPPER GEAR UNIT

REF	PART NO.	QTY	DESCRIPTION	SEE SEC.	NOTES
20	3852357		Adjusting washer, Bearing carrier, 0.005 in		0.13 mm; as required
	3852358		Adjusting washer, Bearing carrier, 0.010 in		0.25 mm; as required
21	3852308	1	O-ring, Bearing carrier		
22	3852454	4	Screw, Bearing carrier		
23	3852565	2	O-ring, U joint		
24	3852390	2	Needle bearing, Upper & lower driveshaft		
25	3852295	2	Lock ring, Upper drive shaft		
26	3852299	1	Snap ring, Spring		
27	3852304	1	Sleeve, Bearings, input gear		
28	3855783	1	Sliding sleeve		
29	3852292	1	Shaft, Upper		
30	3852262	1	Retainer, Lower bearing		
31	3852373	4	Screw, Water passage plate & gasket		To upper gear hsg
32	3857176	2	Bearing kit, Drive gear		
33	3852368		Adjusting washer, Lower bearing, 0.002 in		0.05 mm; as required
	3852369		Adjusting washer, Lower bearing, 0.003 in		0.08 mm; as required
	3852370		Adjusting washer, Lower bearing, 0.004 in		0.10 mm; as required
	3852371		Adjusting washer, Lower bearing, 0.005 in		0.13 mm; as required
	3852372		Adjusting washer, Lower bearing, 0.010 in		0.25 mm; as required
34	3852368		Adjusting washer, Upper cover, 0.002 in		0.05 mm; as required
	3852369		Adjusting washer, Upper cover, 0.003 in		0.08 mm; as required
	3852370		Adjusting washer, Upper cover, 0.004 in		0.10 mm; as required
	3852371		Adjusting washer, Upper cover, 0.005 in		0.13 mm; as required
	3852372		Adjusting washer, Upper cover, 0.010 in		0.25 mm; as required
35	3852301		Nut, Upper drive shaft, 0.000 in		
	3852302		Nut, Upper drive shaft, 0.008 in		0.2 mm; as required
	3852303		Nut, Upper drive shaft, 0.016 in		0.4 mm; as required
	3852375		Nut, Upper drive shaft, 0.024 in		0.6 mm; as required
36	3852298	1	Washer, Spring		
37	3852307	1	Lock ring, Seal, U-joint assy		
38	3852309	1	Screw, Washer, pinion to U-joint assy		
39	3850852	1	Bearing, Bearing carrier, pinion		Rear
40	3850853	1	Bearing, Bearing carrier, pinion		Front
41	3852296	1	Spring, Clutch cone to shaft		
42	3854539	1	Plug, Oil drain, lower gear case		
43	3852563		Adjusting washer, Thrust plate, 0.015 in		0.38 mm; as required
44	3852561	1	Thrust plate, Gear hsg, port		
45	3852562	1	Thrust plate, Gear hsg, stbd		
46	3854401	1	Bearing cover, Upper gear unit, top		
47	3852567	2	• Thread insert, Threaded, 5/16-18, short		
48	3854021	1	Strainer, Gear hsg		
49	3855787	1	Shift mechanism, Upper gear hsg		Rear
50	853858	1	• Sealing ring		
51	3856502	1	• Shoe		
52	814184	1	• Spring, Shift shoe		
53	925093	1	• O-ring, Shift actuator		Part of gear hsg seal kit

7797470 - - 0-0003

GR71976

Upd: 22 NOV 2005

WT Drives, PJX-C, PJX-S SX-M, -MACLT, -MDA, -MDB, -MHP, -MLT, -MTD, DP-E; DP-S, -S1, -S2; DP-SM, -SM

**VOLVO**  
**PENTA**

# SX-M / DP-SM - UPPER GEAR UNIT

REF	PART NO.	QTY	DESCRIPTION	SEE SEC.	NOTES
54	3855785	1	• Bearing housing		
55	973593	1	• Pin, 2 x 12		
56	942871	1	• Pin, 5 x 18		
57	3856008	1	• Eccentric piston		
58	897871		• Adjusting washer, Shift shoe stop		As required
59	897711	1	• Screw		
61	3852329	1	Cube, Shift cable to bellcrank		
63	3857460	1	Link rod, Shift linkage		
64	3852277	1	Pin, Bellcrank		
65	3852330	1	Clevis pin, Shift link to piston		
66	3856742	4	Screw, Shift hsg to upper gear hsg		
67	3852184	1	Washer, Trunnion, shift cable to bellcrank		
68	3852193	2	Washer, Shift link to bellcrank		
69	3852083	1	Washer, Pin, bellcrank to gear hsg		
70	3852280	1	Plate, Water passage		
71	3857581	1	Decal, VP SX		
	3857580	1	Decal, VP SX Diesel		
	3857582	2	Decal, VP DP Duoprop		
72	3852418	1	Cover, Upper gear housing		Rear
73	3857146	4	Screw, Cover to gimbal hsg		
	3857087	1	Seal, Cover to gimbal hsg		
74	3852294	1	Ring, Upper driveshaft		
75	3854480	1	Pin, Trunnion shift cable to bellcrank		
76	3853423	4	Bushing, Pivot pin		
77	3853329	6	Nut, Drive to pivot hsg		
78	3853424	4	Grommet, Pivot pin bushing		
79	3850594	1	Sealing kit, Upper gear hsg		
80	3852052	3	• Cotter pin		
81	3852045	1	• O-ring, Plug, upper gear housing cover		
82	3852272	1	• Seal, U-joint to bearing carrier		
83	3852279	1	• Gasket, Water passage		
84	3855081	1	• O-ring, Oil drain plug		
85	3852560	1	• Seal, Water passage		