

VOLVO BM 646

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Main bearing shells

General: bearing shell location in block

Thickness: standard	2.027-2.034 mm (0.1183-0.1192")
undersize 0.010"	0.004-0.011 mm (0.1594-0.1381")
0.020"	0.161-0.168 mm (0.1382-0.1387")
0.030"	0.006-0.016 mm (0.1380-0.1387")
0.040"	0.436-0.442 mm (0.1714-0.1740")
0.050"	0.045-0.049 mm (0.1402-0.1387")

Big-end bearings

Connecting rod pins

Big-end bearing, rod pin clearance	0.006-0.008 mm (0.0002-0.0003")
Bearing pin length	40.000-40.005 mm (1.5748-1.5752")
General: standard	1.000-1.011 mm (0.0394-0.0397")
undersize 0.010"	0.000-0.008 mm (0.0000-0.0003")
0.020"	0.156-0.160 mm (0.0061-0.0063")
0.030"	0.006-0.010 mm (0.0002-0.0004")
0.040"	0.475-0.478 mm (0.0187-0.0188")
0.050"	0.045-0.049 mm (0.0018-0.0019")

Connecting rod shells

Thickness: standard	46.007-46.008 mm (2.1652-2.1650")
undersize 0.010"	46.000-46.005 mm (2.1654-2.1650")
0.020"	46.005-46.010 mm (2.1654-2.1650")
0.030"	46.015-46.024 mm (2.1703-2.1650")
0.040"	46.025-46.034 mm (2.1696-2.1650")
0.050"	46.040-46.045 mm (2.0086-2.1650")

Connecting rods

Marked 1 to 6 "16047" marking on steel flange forward

Provided with replaceable bearing shells

General: connecting rod bearing bearing seat	46.007-46.008 mm (2.1652-2.1650")
bearing shell bearing seat	75.140-75.152 mm (2.9571-2.9567")
pin/bush pin bearing	See bearing "bush/pin pair"
rod clearance: connecting rod - crankshaft	0.16-0.26 mm (0.0063-0.0101")

Plywheel, fitted

Max. permissible axial force measuring radius 160 mm ± 6"

0.16 mm (0.0063")	
160 mm	

Plywheel casing, fitted

Max. permissible axial force for contact surface against crank casing

0.16 mm (0.0063")	
Max. 4.25 mm (0.1673")	

Crankshaft

Size	See
Number of bearings	7
First bearing pin, diameter	46.006-46.016 mm (2.1646-2.1611")
2nd bearing pin, diameter	46.021-46.040 mm (2.6229-2.6230")
3rd bearing pin, diameter	46.025-46.030 mm (2.0086-2.0230")
4th bearing pin, diameter	46.040-46.045 mm (2.0079-2.0080")

Volvo Pv Repair Manual

Dean Morgantini, Richard J. Rivele



Volvo Pv Repair Manual:

Volvo 1944-1968 Workshop Manual Pv444, Pv544 (P110), P1800, Pv445, P122 (P120 & Amazon), P210, P130, P220, 144, 142 & 145 Floyd Clymer, 2008-06 Covers the Volkswagen 1200 1968 77 1300 and 1300A 1968 1975 1500 1968 1970 1302 1285cc 1970 1972 1302S and LS 1584cc 1970 1972 1303 1285cc 1972 1975 Karmann Ghia 1968 1974

Chilton's Repair Manual Richard J. Rivele, 1991 *Chilton's Repair Manual*, 1991 Chilton's Repair Manual Dean Morgantini, Richard J. Rivele, 1991 Chilton Book Company Repair Manual Chilton Book Company, The Nichols/Chilton, 1988 Chilton's original line of model specific information covers older vehicles Each manual offers repair and tune up guidance designed for the weekend for the weekend mechanic covering basic maintenance and troubleshooting For the hobbyist or used car owner this information is essential and unavailable elsewhere **Chilton Book Company Repair Manual** Chilton Automotive Books, 1990-08 **Chilton's Import Automotive Repair Manual**, 1975 **Chilton's Repair & Tune-up Guide, Volvo 1970-83**, 1983 **Road and Track**, 1974 *Popular Mechanics*, 1981-01 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it's practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle **Chilton's Repair & Tune-up Guide** Chilton Book Company, 1984

Chilton's Repair & Tune-up Guide, 1985 Chilton's Repair & Tune-up Guide, GM X-body, 1980-83, 1983

Chilton's Repair & Tune-up Guide--Fiat, 1969 to 1981 Carl Canfield, Chilton Book Company, 1981 Chilton's original line of model specific information covers older vehicles Each manual offers repair and tune up guidance designed for the weekend for the weekend mechanic covering basic maintenance and troubleshooting For the hobbyist or used car owner this information is essential and unavailable elsewhere All books are paperback **Road and Track**, 1972 **Chilton's Repair & Tune-up Guide, Chrysler K- and E-Cars 1981-85**, 1985 **Chilton's Cutlass, 1970-87**, 1987 Total Car Care is the most complete step by step automotive repair manual you'll ever use All repair procedures are supported by detailed specifications exploded views and photographs From the simplest repair procedure to the most complex trust Chilton's Total Car Care to give you everything you need to do the job Save time and money by doing it yourself with the confidence only a Chilton Repair Manual can provide **Cars & Parts**, 1989 Chilton's Repair & Tune-up Guide, Chevy S-10, GMC S-15 Pick-ups, 1982-85 Chilton Book Company, 1985 *VW Front Wheel Drive*, 1990 Total Car Care is the most complete step by step automotive repair manual you'll ever use All repair procedures are supported by detailed specifications exploded views and photographs From the simplest repair procedure to the most complex trust Chilton's Total Car Care to give you everything you need to do the job Save time and money by doing it yourself with the confidence only a Chilton Repair Manual can provide

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