

# VOLVO BM 646

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## Main bearing shells

General: bearing shell location in block

Thickness: standard	2.017-2.024 mm (0.1183-0.1187)
undersize 0.010"	0.004-0.011 mm (0.1594-0.1597)
0.020"	0.10-0.108 mm (0.1312-0.1320)
0.030"	0.006-0.016 mm (0.1300-0.1307)
0.040"	0.406-0.440 mm (0.1594-0.1597)
0.050"	0.045-0.049 mm (0.1402-0.1407)

## 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 (1.5748-1.5737)
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"	0.106-0.108 mm (0.0042-0.0043)
0.030"	0.006-0.010 mm (0.0002-0.0004)
0.040"	0.475-0.478 mm (0.0187-0.0189)
0.050"	0.045-0.049 mm (0.0018-0.0019)

### Connecting rod shells

Thickness: standard	40.007-40.008 mm (1.5743-1.5740)
undersize 0.010"	40.000-40.005 mm (1.5748-1.5740)
0.020"	40.000-40.005 mm (1.5748-1.5740)
0.030"	40.005-40.008 mm (1.5743-1.5740)
0.040"	40.007-40.008 mm (1.5743-1.5740)
0.050"	40.007-40.008 mm (1.5743-1.5740)

## Connecting rods

Marked 1 to 6 "16007" marking on steel flange forward

Provided with replaceable bearing shells

General: connecting rod bearing bearing shell	40.007-40.008 mm (1.5743-1.5740)
bearing shell bearing pin	75.140-75.152 mm (2.9571-2.9587)
pin/pin pin bearing	See bearing "Sudgren pin"
rod clearance: connecting rod - crankshaft	0.10-0.20 mm (0.004-0.008)

## Plywheel, fitted

Max. permissible axial force measuring radius 100 mm ± 0"

0.15 mm (0.006")	
140 mm	

## Plywheel casing, fitted

Max. permissible axial force for contact surface against crank casing

0.15 mm (0.006")	
Max. 4.25 mm (0.167")	

## Crankshaft

Size	See
Number of bearings	7
First bearing pin, diameter	40.000-40.015 mm (1.5748-1.5751)
2nd bearing pin, diameter	40.021-40.040 mm (1.5729-1.5750)
3rd bearing pin, diameter	40.025-40.030 mm (1.5766-1.5767)
4th bearing pin, diameter	40.040-40.045 mm (1.5748-1.5750)

# Volvo 96service Repair Manual

**Michael Hoelscher**



## **Volvo 96service Repair Manual:**

VW Polo Petrol & Diesel Service & Repair Manual R. M. Jex, 2007 Hatchback including special limited editions Does NOT cover features specific to Dune models or facelifted Polo range introduced June 2005 Petrol 1 2 litre 1198cc 3 cyl 1 4 litre 1390cc non FSI 4 cyl Does NOT cover 1 4 litre FSI engines Diesel 1 4 litre 1422cc 3 cyl 1 9 litre 1896cc 4 cyl inc PD TDI turbo

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helmut newton also loved taking photographs with a polaroid from the 1970s onwards he used these devices extensively particularly during his fashion shoots as he once said in an interview he was motivated by the impatient desire to immediately know how the scene looked as a

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polaroids occupy a special place in the hearts of many photo enthusiasts who remember a time when instant photography meant one of a kind prints that devel

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helmut newton polaroids helmut newton foundation polaroids have thus been frequently used for preliminary studies as well

as a standalone medium this was already the case early on following the creation and presentation of the instant photograph at the optical society of america in 1947 by its inventor edwin land and especially

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as a photographer who straddled the gap between art and commerce helmut newton always managed to surprise and polarize his audience among the editorial staff of many magazines he encountered creative kindred spirits who responded to his unusual visual ideas

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over 300 works based on the original polaroids were shown at 2011 exhibition helmut newton polaroids at the museum für fotografie in berlin 13 death edit

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throughout his career helmut newton used polaroids as both a crucial tool for testing light and composition and a means of revisiting his shoots these objects allow the viewer a rare chance to look behind the scenes of some of his greatest pictures from milan to paris and saint tropez

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mit helmut newton polaroids präsentiert die helmut newton stiftung erstmalig den werkaspekt der sofortbild fotografie im schaffen des fotografen und widmet ihm anhand von über 300 fotografien vergrößerungen der original polaroids ergänzt durch vitrinen mit den kleinformaten eine eigene ausstellung

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capacitive touch screen there is a nokia branding at the top with the ambient light sensor and proximity sensor sensors next to it which is a great advantage you can also quickly open music player contacts or go to message

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