

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"	0.10-0.106 mm (0.1312-0.1327)
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"	0.415-0.418 mm (0.0163-0.0165)
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"	40.005-40.010 mm (1.5748-1.5740)
0.030"	40.015-40.024 mm (1.5719-1.5700)
0.040"	40.021-40.024 mm (1.5700-1.5700)
0.050"	40.047-40.050 mm (1.5766-1.5760)

Connecting rods

Marked 1 to 6 "16047" 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 shell	75.140-75.152 mm (2.9581-2.9587)
pin/bush pin/bush	See bearing "bushings" page
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"

Key gap on flywheel	0.15 mm (0.006")
	140 mm

Plywheel casing, fitted

Max. permissible axial force for contact surface against crank casing

Max. permissible axial force for steering bearing against crank casing	0.15 mm (0.006")
	Max. 4.25 mm (0.167")

Crankshaft

Size	Size
Number of bearings	7
First bearing pin, diameter	40.000-40.015 mm (1.5748-1.5711)
2nd bearing pin, diameter	40.021-40.040 mm (1.5726-1.5730)
3rd bearing pin, diameter	40.025-40.030 mm (1.5706-1.5700)
4th bearing pin, diameter	40.040-40.045 mm (1.5767-1.5760)

Volvo 640 Engine Manual

Emilie Sanchez



Volvo 640 Engine Manual:

Volvo 240 Service Manual 1983 Through 1993 Bentley Publishers, 1993 Vehicle Maintenance *Volvo S40 and V50 Diesel Owner's Workshop Manual, 07-13* Chris Randall, 2016-10 *Volvo S40 and V50 Diesel (07-13) 07 to 62* Chris Randall, 2013-01-01 Part of the Haynes Service and Repair Manual Series this title covers Volvo S40 and V50 diesel cars made between 2007 and 2013 Hypernomics Doug Howarth, 2024-01-23 You've Never Seen What You've Always Needed to Know Until Now Invisible forces are at work They push and shove on everything you buy or sell They affect every concept you want to take to market all the suppliers you'll deal with and every customer you'll ever see To be successful you need to understand them See them in detail in ways not possible with other methods Hypernomics Using Hidden Dimensions to Solve Unseen Problems discovers that markets behave according to previously unknown laws set by the buyers and sellers within them It reveals those rules and how to detect describe and deploy them to your advantage It doesn't change economics so much as reveal it It's like a microscope looking at pond water a telescope tilted to the sky sonar scanning the bottom of the ocean Hypernomics lets you see into markets in ways you can't with the unaided eye Sailors never navigate without a map You shouldn't either since your ship could wind up on the rocks Hypernomics gives you the means to create market maps that show you where they have openings and how to fill them by giving customers what they want don't have and can afford It finds their thresholds and limits and responses to every possible feature in any product you can offer The interactions Hypernomics describes have been with us since the dawn of humanity Now you can finally see them and enjoy the advantages your competitors do not have Validated by 13 published papers multiple awards a patent and customers such as NASA Lockheed Martin Virgin Galactic and a restaurant down the street only Hypernomics gives you the ability to solve problems as varied as How could a restaurant increase revenue by 25% by rearranging seating How do you find describe and capitalize on open spaces in your market What happens when an NFL player decreases his forty yard dash time by a quarter of a second If you tried to exceed a market's limitations how could you lose 1B How do markets change over time Know what you need to Discover Hypernomics **Volvo S40 and V50 Petrol and Diesel Service and Repair Manual** Martynn Randall, 2008 S40 Saloon V50 Estate inc special limited editions Does NOT cover Classic T5 or AWD four wheel drive models or facelifted range introduced July 2007 Petrol 1.8 litre 1798cc 2.0 litre 1999cc 2.4 litre 2435cc Does NOT cover 1.6 litre or 2.5 litre petrol engines Turbo Diesel 2.0 litre 1988cc Does NOT cover 1.6 litre or 2.4 litre diesel engines **Focus On: 100 Most Popular Compact Cars** Wikipedia contributors, **Volvo S40 & V40 Service and Repair Manual** Mark Coombs, Spencer Drayton, 1999 Focus On: 100 Most Popular Sedans Wikipedia contributors, *Adult Catalog: Subjects* Los Angeles County Public Library, 1970 Popular Mechanics, 2004-01 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

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