

## 2.0L (ENGINE CODE ABA) - CRANKSHAFT, CYLINDER BLOCK

### Article Text

1996 Volkswagen Golf  
For Volkswagen Technical Site  
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Friday, August 20, 1999 12:05AM

### ARTICLE BEGINNING

#### TECHNICAL SERVICE BULLETIN

#### ENGINE CRANKSHAFT CYLINDER BLOCK - 2.0 LITER ENGINE CODE ABA

Model(s): 1996-on Volkswagen Golf III, Jetta III, Cabrio  
Group: 13 - Engine - Crankshaft/Crankcase  
Bulletin No.: 95-01  
Date: October 16, 1995

File this Technical Bulletin in Repair Manual No.: W42 011 294 105.

### SERVICE INFORMATION

This information describes changes in engine components and specifications for the 2.0 liter engine starting with August, 1995 production (0BD II).

The following information will be integrated into the Repair Manual during the next update.

#### PISTON AND CONNECTING ROD DISASSEMBLING/ASSEMBLING

Refer to Fig. 1.

- 6 - Pressure relief valve
- \* Tightening torque: 27 N.m (20 ft-lb)
  - \* Opening pressure: 2.5 - 3.2 bar (36 - 46 psi)
  - \* Not applicable from 08.95-on.
- 7 - Oil spray nozzle
- \* For piston cooling.
  - \* Not applicable from 08.95-on.

NOTE: The oil spray nozzles and pressure relief valves have been discontinued with production from 08.95.

#### PISTON DIMENSIONS

Refer to Fig. 2.

#### PISTON DIMENSIONS TABLE

AA		
Engine Code	³ ABA	³ ABA
	³ up to 07.95	³ 08.95-on
AA		
Dimension - a-	ÄÄ mm (in.) ³ 20.1	³ 20.1
	³ (0.791)	³ (.791)
AA		
Dimension - b-	ÄÄ mm (in.) ³ 5.5	³ 7.1

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	<sup>3</sup> (0. 217)	<sup>3</sup> (0. 280)
Combustion Chamber Dia. -c-    ÄÄ mm (in.)	<sup>3</sup> 64. 0	<sup>3</sup> 65. 0
	<sup>3</sup> (2. 520)	<sup>3</sup> (2. 559)
Piston Pin Diameter -d-        ÄÄ mm (in.)	<sup>3</sup> 21. 0	<sup>3</sup> 21. 0
	<sup>3</sup> (0. 827)	<sup>3</sup> (0. 827)

NOTE: Only pistons and piston rings of the same type and pistons of the same weight class may be installed.

#### PISTON AND CYLINDER DIMENSIONS TABLE - UP TO > 07. 95

Reconditioning Dimension	<sup>3</sup> Piston diameter	<sup>3</sup> Cylinder Bore Diameter
Basic dimension    ÄÄ mm (in.)	<sup>3</sup> 82. 485	<sup>3</sup> 82. 51
	<sup>3</sup> (3. 24744)	<sup>3</sup> (3. 2484)
1st oversize        ÄÄ mm (in.)	<sup>3</sup> 82. 735	<sup>3</sup> 82. 76
	<sup>3</sup> (3. 25728)	<sup>3</sup> (3. 2583)
2nd oversize        ÄÄ mm (in.)	<sup>3</sup> 82. 985	<sup>3</sup> 83. 01
	<sup>3</sup> (3. 26713)	<sup>3</sup> (3. 2681)

#### PISTON AND CYLINDER DIMENSIONS TABLE - 08. 95-0N

Reconditioning Dimension (1)	<sup>3</sup> Piston diameter	<sup>3</sup> Cylinder Bore Diameter
Basic dimension    ÄÄ mm (in.)	<sup>3</sup> 82. 470	<sup>3</sup> 82. 51
	<sup>3</sup> (3. 24685)	<sup>3</sup> (3. 2484)
1st oversize        ÄÄ mm (in.)	<sup>3</sup> 82. 720	<sup>3</sup> 82. 76
	<sup>3</sup> (3. 25669)	<sup>3</sup> (3. 2583)
2nd oversize        ÄÄ mm (in.)	<sup>3</sup> 82. 970	<sup>3</sup> 83. 01
	<sup>3</sup> (3. 26654)	<sup>3</sup> (3. 2681)

(1) = Add 0. 015 mm (0. 00059 in.) for phosphate layer

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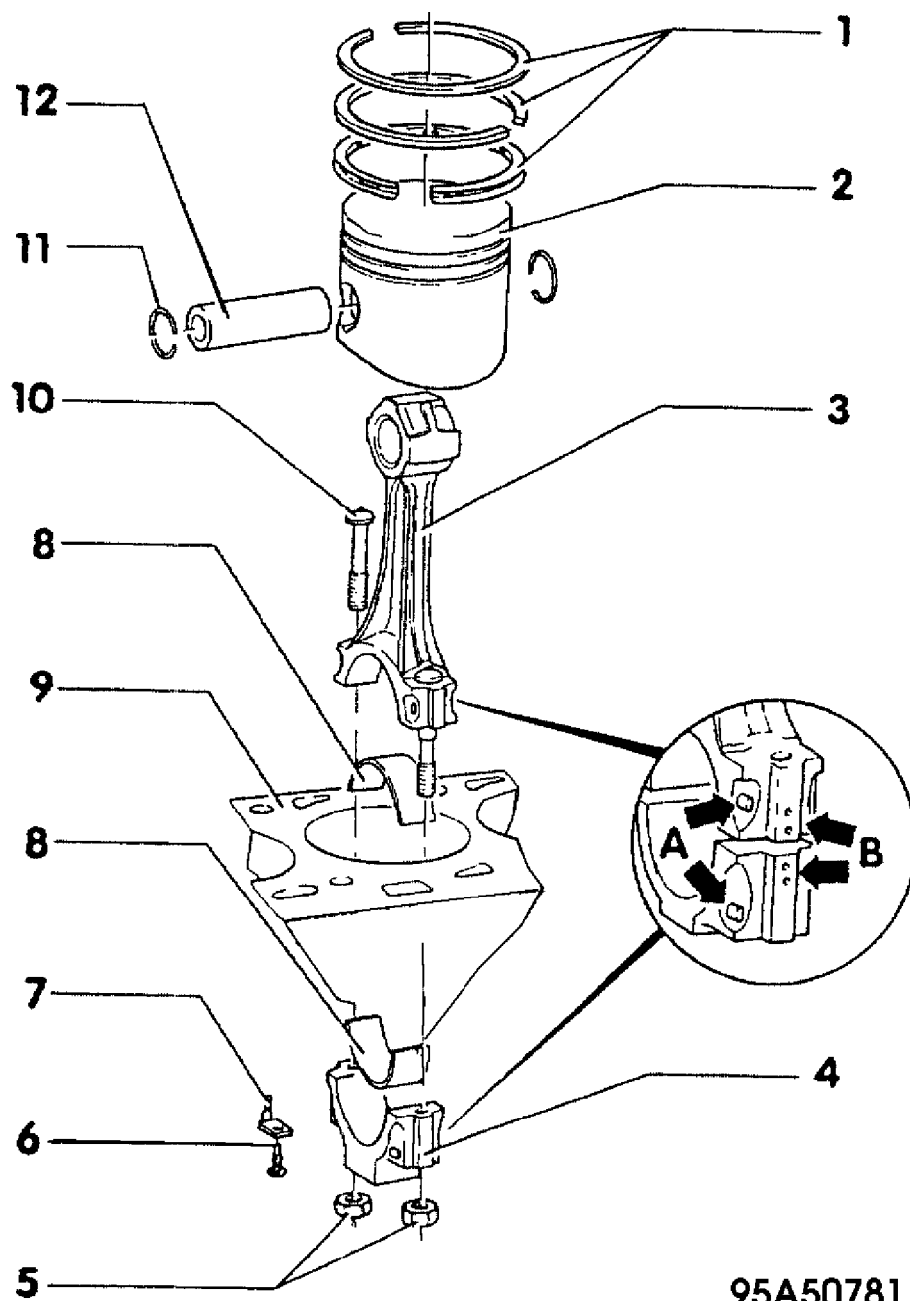
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Fig. 1: Exploded View Of Piston/Connecting Rod Assembly

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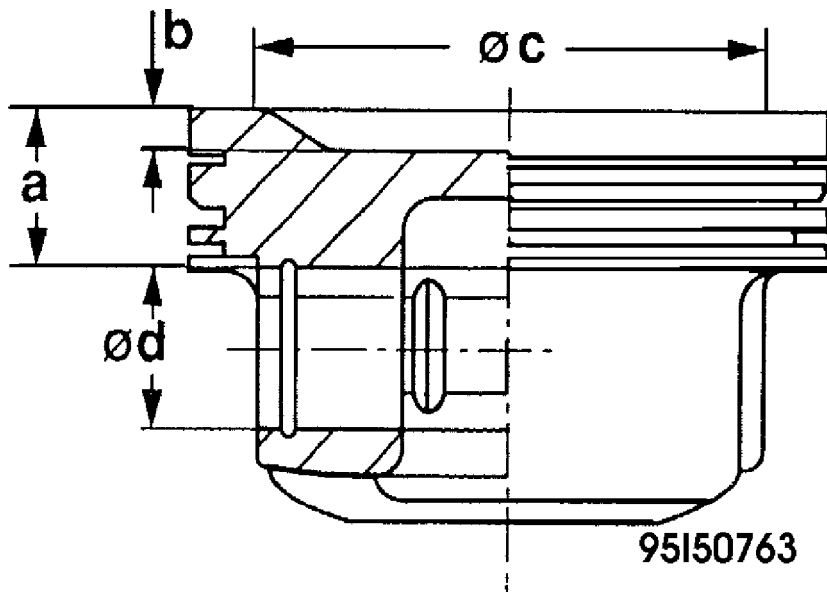


Fig. 2: Piston Dimensions

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