

# Volkswagen Passat 1998-2005 Workshop Manual

## 1 Removing and installing cylinder head

Checking compression [4, page 16](#)

### Note

- When installing an exchange cylinder head with fitted camshaft, the contact surfaces between the bucket supports and the cam must be oiled before installing the cylinder head cover.
- The plastic protectors fitted to protect the open valves must be removed only immediately before the cylinder head is fitted.
- If the cylinder head is replaced, all the coolant in the system must also be removed.

- 1 - 10 Nm
  - With spacer sleeve and lock
  - Renew seal if damaged.
- 2 - Cylinder head cover
  - Renew if damaged.
- 3 - Cap
- 4 - Seal
  - Renew if damaged.
- 5 - Cylinder head cover gasket
  - Renew if damaged.
- 6 - Cylinder head bolt
  - Renew
  - Sequence when loosening and tightening [4, page 17](#)
- 7 - 10 Nm
- 8 - Connection
- 9 - Drive
  - Renew
- 10 - 20 Nm
- 11 - Lifting eye
- 12 - Pin, 10 Nm
  - For engine cover
- 13 - Bracket
- 14 - Cylinder head gasket
  - Renew
  - After renewing entire cooling system
  - Note installation Part No. towards cylinder head
- 15 - Cylinder
  - Check [4, page 16](#)



- Remove heat shield. To do so, slacken off bolts 1 and 2 and fit out heat shield.

- Check TDC position of camshaft.
- Both marks on camshaft must be in both arrows on retaining frame.

### Note

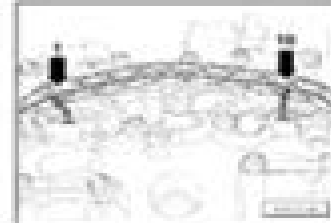
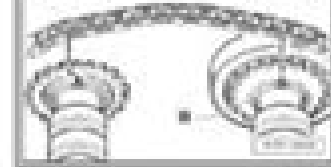
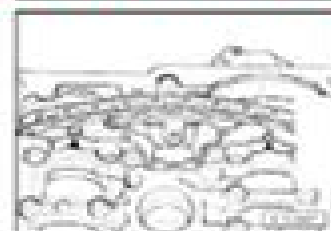
- Insert arrow A into an arrow 4 or a groove 5, depending on the camshaft.

Field drive chain is to be reused.

- Clean drive chain and camshaft chain sprocket in separate area of both arrows on retaining frame and mark installation position with a coloured mark.
- The distance between both arrows - or the coloured marks - is equal to 16 rollers on the drive chain.
- Roller on exhaust camshaft has a inward offset with respect to chain roller 1.

### Note

Do not mark chain by way of centre punch, notch or the like.



# Manual File Automotive Passat 199full Documentation

**Chilton Automotive Editorial Staff**



## **Manual File Automotive Passat 199full Documentation:**

**Volkswagen Passat Service Manual: Suspension, wheels, steering ; Body, exterior ; Body, interior ; Heating and air conditioning ; Electrical equipment ; Radio ; Wiring diagrams and component locations ; Scan tool ,2006**

Volkswagen Passat ,1996 Bentley Publishers is the exclusive factory authorized publisher of Volkswagen Service Manuals in the United States and Canada In every manual we provide full factory repair procedures specifications tolerances electrical wiring diagrams and lubrication and maintenance information Bentley manuals are the only complete authoritative source of Volkswagen maintenance and repair information Even if you never intend to service your car yourself you ll find that owning a Bentley Manual will help you to discuss repairs more intelligently with your service technician

**Volkswagen Passat 4-Cyl** A. K. Legg,2005 Saloon Estate including special limited editions Does NOT cover Tiptronic transmission or 4 Motion models Does NOT cover new range introduced June 2005 Petrol 1 8 litre 1781cc 2 0 litre 1984cc 4 cylinder including turbo Does NOT cover V5 V6 or W8 Turbo Diesel 1 9 litre 1896cc 4 cylinder Does NOT cover V6

*Volkswagen Passat Service Manual* Abram Smythe Palmer,Bentley Publishers,2002 1 8L gasoline engine codes AEB ATW AUG AWM 2 8L gasoline engine codes AHA ATO 4 0L gasoline W8 engine code BDP 5 speed Manual transmission codes 012 01W 6 speed All Wheel Drive Manual transmission code 01E 01M 5 speed Automatic transmission code 01V Maintenance procedures from oil changes to ribbed belt replacement Engine and cylinder head service including timing belt and camshaft replacement Component testing removal and installation for engine lubrication cooling and exhaust systems Turbocharger service removal and installation and intercooler components Fuel supply system service including fuel pump delivery volume test electrical checks EVAP system as well as mechanical and electronic throttle control E gas Fuel injection and ignition system component identification electrical testing technical data and throttle valve control module adaptation using the factory scan tool Drivetrain maintenance troubleshooting adjustment and repair including hydraulic clutch gearshift linkage drive axles and driveshaft 4MOTION models removal and installation Volkswagen Passat (B4) Repair Manual: 1995, 1996, 1997: Including Gasoline, Turbo Diesel, Tdi 4-Cylinder, Vr6, and Wagon Volkswagen of America,2015-09-01 The two volumes of this Volkswagen Repair Manual present the service and repair information for Volkswagen Passat and Passat wagon models sold in the US and Canada For the professional automotive technician this manual includes useful specifications and procedures **Volkswagen Passat Service Manual\** , *Volkswagen Passat* ,1991 This manual was created specifically to cover four cylinder models built for sale in the United States and Canada With the comprehensive repair procedures and specifications you expect from a Bentley manual including complete tune up information plus troubleshooting of the ignition system with knock sensor troubleshooting and repair of the CIS Motronic fuel injection and engine management system disk brake reconditioning and repair and body repair including sunroof Includes special Fundamentals section

**General Motors** Chilton Automotive Editorial Staff,2000-11 Nichols Chilton RM Total Car Care

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**VW Passat and Santana Service and Repair Manual** Ian Coomber,1996 **Volkswagen Passat (B5) Service Manual** Bentley Publishers,2011-04 The Volkswagen Passat Repair Manual 1998 2005 is a comprehensive source of service information and specifications for Volkswagen Passat models built on the B5 platform from 1998 through 2005 Service to Volkswagen owners is of top priority to Volkswagen and has always included the continuing development and introduction of new and expanded services The aim throughout this manual has been simplicity clarity and completeness with practical explanations step by step procedures and accurate specifications Whether you re a professional or a do it yourself Volkswagen owner this manual will help you understand care for and repair your Volkswagen Engines covered 1 8L turbo gasoline engine code s AEB ATW AUG AWM 2 8L gasoline engine code s AHA ATQ 4 0L gasoline engine code BDP Transmissions covered 5 speed manual transmission codes 012 01W 5 speed automatic transmission code 01V 6 speed manual transmission code 01E

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