

Valve gear, servicing

1. **Remove bearing cap**
• With crankshaft at top dead centre (TDC) of cylinder 1

2. Inlet cam

- A. **Exhaust camshaft bearing cap**
• Installation position and installation sequence, see **Camshaft, removing and installing**
• Lifting with two people bearing cap onto crankshaft with vehicle
• See Fig. 2-10-23/24/25

2. Exhaust camshaft

- Check oil clearance, see Fig. 2
- **Inlet Camshaft, removing and installing**
- Check radial clearance with plastic gauge
Water limit: 0.1 mm
Run-out: max. 0.01 mm

3. Cap

- Always replace
- Take off bearing cap to remove
- With bearing cap installed drive in carefully using 3302 and synthetic lined hammer

4. Inlet camshaft bearing cap

- Installation position and sequence, see **Camshaft, removing and installing**

5. Inlet camshaft

- Check axial clearance, see Fig. 2
- See **Camshaft, removing and installing**
- Check radial clearance with plastic gauge
Water limit: 0.1 mm
Run-out: max. 0.01 mm

6. Camshaft adjuster

- Secure with 3306 before removing

7. Drive chain

- Before removing mark direction of rotation (installation position)

8. 10 Nm (7 ft-lb)

9. O-ring

- Always replace

10. Camshaft adjuster valve

- See **Camshaft adjustment**

14. Gasket

- Always replace

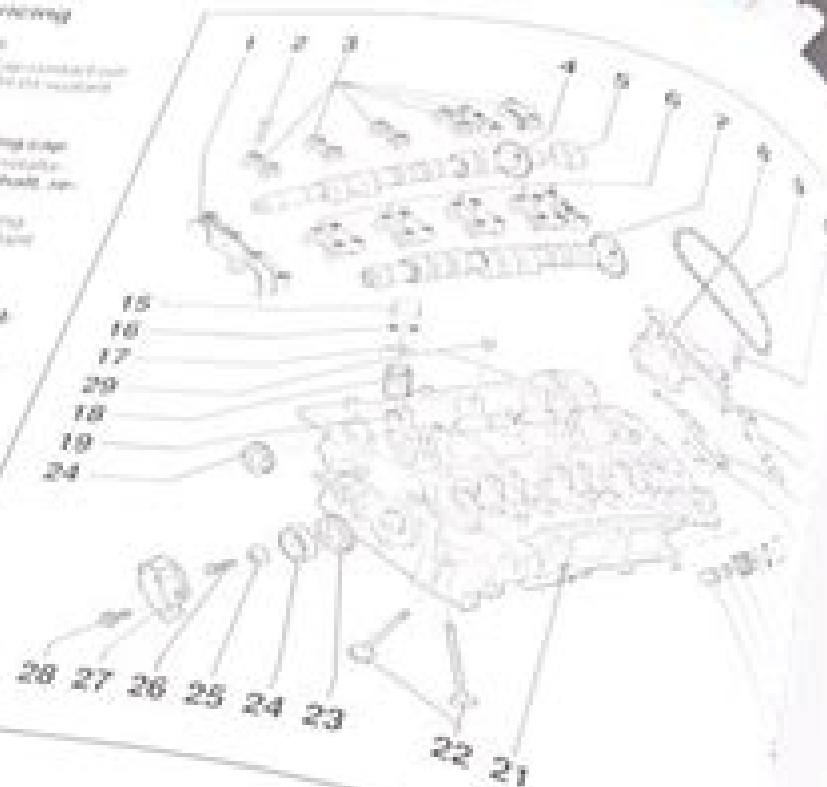
15. Valve lifter

- Do not interchange
- With hydraulic valve clearance compensation
- See **Hydraulic valve lifters, checking**
- Store with cam contact surface downward
- Before installing check camshaft axial clearance, see Fig. 2
- Oil contact surface

16. Valve keepers

17. Upper valve spring nut

18. Valve



22. Valves

- Do not rework, only press

23. Oil seal

- Replacing, see **Camshaft**
- Replacing seals, replacing seals, replacing (spring seals only)
- If PTFE (Teflon) must be replaced or PTFE

Vw Passat B5 Bentley Manual

Jianjun Gao



Vw Passat B5 Bentley Manual:

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 *Volkswagen: Fastback, Squareback* Volkswagen of America, Inc, 1974 This manual covers all 1968 through 1973 Fastback Squareback models with the latest data from Volkswagen of America Inc You will find step by step procedures for testing troubleshooting the fuel injection system without special equipment Clear photos show the order of assembly for rebuilding the manual automatic transmissions along with all wear tolerance specifications Like other Bentley manuals it features full wiring diagrams complete specifications troubleshooting tables for every year model **Volkswagen Passat, 1998, 1999, 2000, 2001 2002**, 2002 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**, 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 *Volkswagen Passat Service Manual* Bentley Publishers, 2007-02 Bentley Publishers is proud to announce the publication of the Volkswagen Passat Service Manual 1998 2005 This repair manual covers the 1998 through 2005 model year Passat models built on the Volkswagen B5 platform The do it yourself Passat owner will find this manual an indispensable source of detailed maintenance and repair information Even if you have no intention of working on your car you will find that reading and owning this manual makes it possible to discuss repairs more intelligently with a professional technician **American Book Publishing Record**, 2006 **Volkswagen Passat**, 1996 Bentley Publishers is the exclusive factory authorized publisher of

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Table of Contents Vw Passat B5 Bentley Manual

1. Understanding the eBook Vw Passat B5 Bentley Manual
 - The Rise of Digital Reading Vw Passat B5 Bentley Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Vw Passat B5 Bentley Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Vw Passat B5 Bentley Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Vw Passat B5 Bentley Manual
 - Personalized Recommendations

- Vw Passat B5 Bentley Manual User Reviews and Ratings
- Vw Passat B5 Bentley Manual and Bestseller Lists
- 5. Accessing Vw Passat B5 Bentley Manual Free and Paid eBooks
 - Vw Passat B5 Bentley Manual Public Domain eBooks
 - Vw Passat B5 Bentley Manual eBook Subscription Services
 - Vw Passat B5 Bentley Manual Budget-Friendly Options
- 6. Navigating Vw Passat B5 Bentley Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Vw Passat B5 Bentley Manual Compatibility with Devices
 - Vw Passat B5 Bentley Manual Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Vw Passat B5 Bentley Manual
 - Highlighting and Note-Taking Vw Passat B5 Bentley Manual
 - Interactive Elements Vw Passat B5 Bentley Manual
- 8. Staying Engaged with Vw Passat B5 Bentley Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Vw Passat B5 Bentley Manual
- 9. Balancing eBooks and Physical Books Vw Passat B5 Bentley Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Vw Passat B5 Bentley Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Vw Passat B5 Bentley Manual
 - Setting Reading Goals Vw Passat B5 Bentley Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Vw Passat B5 Bentley Manual
 - Fact-Checking eBook Content of Vw Passat B5 Bentley Manual

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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