

Volkswagen Touran 2003-2015 Workshop Manual

2 Parts of lubrication system



Caution

Flying metal shavings or a large quantity of small metal particles during engine repair could indicate that the crankshaft bearings or control bearings are damaged. To prevent this from causing further damage, perform the following repairs:

Thoroughly clean oil channels

Remove engine oil cooler

Remove oil filter element

→ 2.1.1 Assembly overview - oil pump, pump

→ 2.1.2 Removing and installing oil pump

2.1 Assembly overview - oil pump, pump

1 - 15 Nm

2 - Sealing flange

- With seal
- Must sit on drive flange
- Removing and installing → 2.1.1.1
- Insert with sealant (as per → Electronic Parts Catalogue (ETKA) → 2.1.1.1.1
- Do not additionally oil or grease the oil seal seal lip
- Before installing, remove oil residue from crankshaft journal using a clean cloth
- Removing crankshaft oil seal - ball pulley and → 2.1.1.1.1

3 - Chain bracket with tensioning roll, 10 Nm

- When installing, tension spring and fit

4 - Oil dipstick

- The oil level must not be above the mark
- Markings → 2.1.1.1.1

5 - Piston filling

6 - Guide for

7 - Drive

8 - Drive



- Screw control nut lock nut -B- down slowly by hand until it contacts adjusting lever -1-. Do not turn further
- Screw securing nut -A- up on control nut until it lies against adjusting lever



Note

Ensure control nut does not twist while adjusting nut -B- and -A-.

- Countersink lock nut -B- with screwdriver -1- and tighten securing nut -A- with screwdriver -2- (torque → 7 Nm)
- Check colour marker on control nut. They must align with string



Note

There very little space between the cylinder head and the turbocharger. Be sure you know exactly where the feeler gauge (0.05 mm) must be positioned

- The feeler gauge (0.05 mm) must be positioned between adjusting lever and adjustment screw, as shown



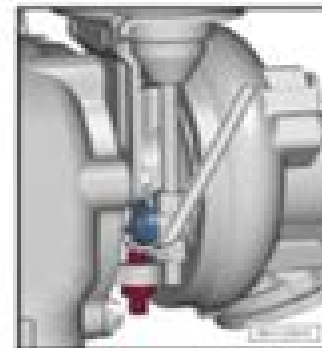
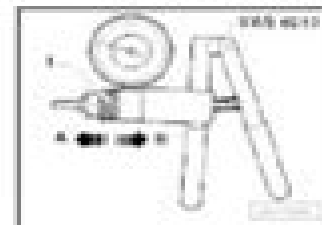
Note

The feeler gauge (0.05 mm) has a part number and must be ordered from the → Electronic Parts Catalogue

- Operate the hand vacuum pump - VAS 6213- until the feeler gauge (0.05 mm) is pinched between adjusting lever and adjustment screw

Now the initial value for 1% (0.20 mm) should appear on the turbocharger tester - VAS 1287A-

Value OK



Touran 20 Tdi 2003 Service Manual

JG Myers



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Table of Contents Touran 20 Tdi 2003 Service Manual

1. Understanding the eBook Touran 20 Tdi 2003 Service Manual
 - The Rise of Digital Reading Touran 20 Tdi 2003 Service Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Touran 20 Tdi 2003 Service 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 Touran 20 Tdi 2003 Service Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Touran 20 Tdi 2003 Service Manual
 - Personalized Recommendations
 - Touran 20 Tdi 2003 Service Manual User Reviews and Ratings
 - Touran 20 Tdi 2003 Service Manual and Bestseller Lists
5. Accessing Touran 20 Tdi 2003 Service Manual Free and Paid eBooks
 - Touran 20 Tdi 2003 Service Manual Public Domain eBooks
 - Touran 20 Tdi 2003 Service Manual eBook Subscription Services
 - Touran 20 Tdi 2003 Service Manual Budget-Friendly Options
6. Navigating Touran 20 Tdi 2003 Service Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Touran 20 Tdi 2003 Service Manual Compatibility with Devices
 - Touran 20 Tdi 2003 Service Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Touran 20 Tdi 2003 Service Manual
 - Highlighting and Note-Taking Touran 20 Tdi 2003 Service Manual
 - Interactive Elements Touran 20 Tdi 2003 Service Manual
8. Staying Engaged with Touran 20 Tdi 2003 Service Manual

- Joining Online Reading Communities
- Participating in Virtual Book Clubs
- Following Authors and Publishers Touran 20 Tdi 2003 Service Manual
- 9. Balancing eBooks and Physical Books Touran 20 Tdi 2003 Service Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Touran 20 Tdi 2003 Service Manual
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Touran 20 Tdi 2003 Service Manual
 - Setting Reading Goals Touran 20 Tdi 2003 Service Manual
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Touran 20 Tdi 2003 Service Manual
 - Fact-Checking eBook Content of Touran 20 Tdi 2003 Service 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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