



### 1.3 Assembly overview - engine code CAYD

The oil pressure switch is located on the gearbox side beneath the belt cover/shaft covers.

#### 1 - Oil dipstick

- The oil level indicated by above the high mark!
- Markings [1.9998.132](#)

#### 2 - Oil cooler

#### 3 - Gasket

- Remove

#### 4 - Coolant pipe

- For oil cooler
- Specified torque, brake of 4-cylinder block: 20 Nm

#### 5 - Oil fan

#### 6 - Cap

- Remove seal if damaged

#### 7 - Seal

- Remove if damaged

#### 8 - Oil filter, 20 Nm

- Loosen with oil filter tool - 3417-
- Observe installation instructions on oil filter
- With return valve

#### 9 - Valve timing housing

- Additionally install with silicone adhesive sealant - D 178 501 A-
- Removing and installing [1.9998.20](#)
- When installing, install two -3416D- studs in camshaft housing and cylinder block as guides
- To guide valve timing housing, secure pump in position with feel bolts.

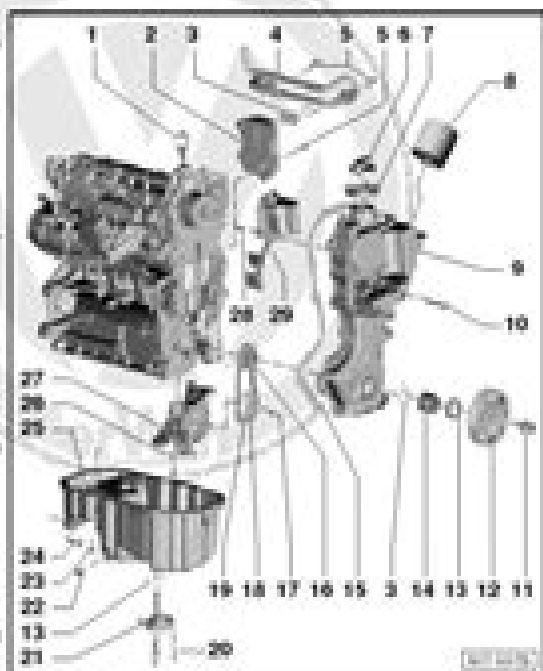
#### 10 - Oil fan

#### 11 - Bearing bolt

- Specified torque [1.9998.01](#)
- Remove
- Contact surface for securing bolt must be free of oil and grease
- Oil threads before inserting
- Secure bolt pulley against turning with counterhead - 3410-
- The turning further angle can be measured using a commercial protractor e.g. Havel 9495.

#### 12 - Pulley for camshaft

- Removing and installing [1.9998.01](#)
- Contact surfaces of pulley must be free of oil and grease
- Secure belt pulley against turning with counterhead - 3410-



#### 13 - Seal

- Remove

#### 14 - Bearing bush

- Contact surfaces of bearing bush must be free of oil and grease

#### 15 - Gasket

- Remove if damaged

#### 16 - Chain sprocket

- For oil pump drive

#### 17 - 20 Nm + 90° (¼ turn) further

- Remove

#### 18 - Chain sprocket

- For oil pump
- Counterhead using counterhead - 3410D-

#### 19 - Drive chain

- For oil pump
- Before removing, mark direction of rotation (rotation position)

#### 20 - 10 Nm

#### 21 - Oil level and oil temperature sensor - G098-

- Remove if damaged
- Check - Current flow diagrams, Electrical fault finding and Filling location

#### 22 - Oil drain plug, 30 Nm

- With oilproof seal
- Remove

#### 23 - 10 Nm

- Remove
- Loosen and tighten by hand and bolts only with socket wrench of 1000Nm

#### 24 - 40 Nm

#### 25 - Oil sump

- Removing and installing [1.9998.132](#)
- Clean sealing surface before fitting
- Install with silicone sealant - D 178 501 A-

#### 26 - 14 Nm + ¼ turn (90°) further

#### 27 - Oil pump



- with oil suction pipe
- Removing and installing [1.9998.132](#)
- Specified torque of suction pipe: 8 Nm

#### 28 - 8 Nm

#### 29 - Oil separator

# Manual Jetta 2003

**Marco Casella**



## Manual Jetta 2003:

**Volkswagen GTI Golf-Jetta Service Manual, 1985-1992** Robert Bentley, inc,1992 New information covers the 2 0 liter 16V engine ABS troubleshooting service CIS E Motronic fuel injection Digifant I fuel injection with On Board Diagnosis ECO Diesel full manual transaxle rebuilding procedures A special Fundamentals section has been added to the beginning of the manual to help the owner understand the basics of automotive systems repair procedures The most comprehensive Golf manual available **VW GTI, Golf, Jetta, MK III & IV** Kevin Clemens, Volkswagen s GTI Golf and Jetta are long time favorites among sport compact performance enthusiasts With engines ranging from the 2 0 liter naturally aspirated four cylinder to the 1 8 liter turbo 4 to the VR6 the Mk III and Mk IV generations 1993 2004 offer tuners a wealth of opportunities This book turns these opportunities into realities from deciding which vehicle to buy to keeping it running in tip top condition to enhancing the performance and appearance of your VW Focusing on the engine wheels and tires suspension body kits interiors and more each project includes straightforward instruction along with details about the necessary parts cost time and skill If you want to get the biggest bang for your VW buck this book is your road map **Edmunds.com New Cars & Trucks Buyer's Guide 2003** The Editors at Edmunds.com,2003-01-18 New Cars Trucks Prices Reviews For more than 36 years millions of consumers have turned to Edmunds price guides for their car shopping needs Edmunds New Cars Trucks guides include up to date dealer invoice and MSRP pricing for all new vehicles reviews on more than 230 models and buying advice to help you make informed decisions on your new car or truck purchase **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 Plunkett's Automobile Industry Almanac: Automobile, Truck and Specialty Vehicle Industry Market Research, Statistics, Trends & Leading Companies Jack W. Plunkett,2007-10 Provides information on the truck and specialty vehicles business including automotive industry trends and market research mergers acquisitions globalization automobile manufacturers truck makers makers of specialty vehicles such as RVs automobile loans insurance and other financial services dealerships and components manufacturers Lemon Aid Guide 2003 New Cars and Minivans Louis-Philippe Edmonston,Lemon-Aid,2002-12 REFERENCE USE ONLY 2003 New cars and Minivans **Consumer Reports New Car Buying Guide, 2003-04** Consumer Reports,2003-06 This comprehensive guide updated for the 2003 model year provides buyers with all the information they need to buy any new vehicle Volkswagen Beetle, Super Beetle, Karmann Ghia Official Service Manual Volkswagen of America,1979 This Volkswagen Type 1 service manual covers Beetles Super Beetles VW Convertibles and Karmann Ghias for the model years 1970 through 1979 Page 4 of

cover Volkswagen Station Wagon/bus Volkswagen of America, Inc. Staff,1979 Service to Volkswagen owners is of top priority to the Volkswagen organization and has always included the continuing development and introduction of new and expanded services In line with this purpose Volkswagen of America Inc has introduced this Volkswagen Official Service Manual The aim throughout has been simplicity clarity and completeness with practical explanations step by step procedures and accurate specifications *Volkswagen Transporter Workshop Manual, 1963-1967* Volkswagen of America,1992 Just as the Beetle started a long tradition of Volkswagen automotive excellence these are the manuals that created the Bentley reputation for clarity thoroughness and indispensability Our air cooled Volkswagen manuals provide both do it yourself owners and professional mechanics with clear explanations and illustrations detailed service steps and time saving troubleshooting tips In the same tradition as our classic 1961 1965 Type 1 manual this manual offers owners of 1960s vintage Transporters the long out of print factory repair information Indispensable to anyone interested in the history or restoration of the Transporter this book includes complete coverage of 1200 and 1500 engines dual circuit brakes and body dimension specifications for all models including those with a sliding sunroof All factory updates are listed by chassis number and date introduced This is the one book no serious Type 2 enthusiast should be without **China Business Guide** ChinaKnowledge Press,2004 A comprehensive business guide covering entire China with directory and other useful contacts Volkswagen Vanagon ,1991 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 *Real Life 101* Derek Avdul,Steve Avdul,2004 Real Life 101 The Workbook is the ultimate companion to Real Life 101 A Guide To Stuff That Actually Matters The Workbook allows the reader to create customized templates and worksheets for their unique situation to make life s day to day real world decisions simpler and easier *Canadian Buying Guide 2003* Consumer Reports,Consumer Reports Books Editors,2002-10-14 **Buying Guide 2003** Consumer Reports,2002-11 Contains specific recommendations for various household products and car repair records **Volkswagen T4 1990-2003** Richard Copping,2013-11-30 Here Volkswagen enthusiast and prolific author Richard Copping examines for the first time the complete story of the T4 from the Transporter concept originated forty years before its presence at VW s Hanover factory through its development period and full production life Topics covered include the background story 1949 1990 design concept to production in the 1980s full analysis of the T4 s specifications face lifted Caravelles and Multivans from 1996 onwards petrol and diesel aspirated engines including the VR6 V6 and 2 5 litre TDI the T4 story in the USA the Euro Van and finally camping conversions The complete story of the Volkswagen T4 produced between 1990 and 2003 and the first book in

the English language to have been written illustrated and published solely about the T4 beautifully illustrated with 300 colour photographs a sparkling mixture of archive and modern day imagery *Volkswagen Jetta, Golf, GTI, Cabrio Service Manual, 1993-1999* Bentley Publishers, Robert Bentley, inc, 1999 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 Rabbit/Jetta Diesel Service Manual, Including Pickup Truck and Turbo-diesel, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984* Robert Bentley, inc, 1984 Everything you need to troubleshoot service repair the diesel engine its direct cylinder fuel injection system This manual is just as thorough as our other two Rabbit Jetta Scirocco Pickup Truck service manuals but focuses exclusively on diesel models We eliminated information covering the gasoline engine fuel injection other subjects that don t apply to diesel engine models Removing this potentially confusing material allows us to cover particular features of the diesel models in greater depth You ll find testing troubleshooting repair steps for everything from diesel fuel injection adjustment to the oil cooler used on models with automatic transmission or Turbo Diesel engines [Lemon Aid Guide 2003 SUVs, Vans and Trucks](#) Louis-Philippe Edmonston, 2002-11 *The Complete Car Cost Guide 2001* Inc Intellichoice, IntelliChoice, Incorporated, 2001-03

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