

1.3 Assembly overview - engine code CAYD

The oil pressure switch is located on the gearbox side beneath the belt-camshaft covers.

1 - Oil dipstick

- The oil level must not be above the top mark!
- Markings [s. page 112](#)

2 - Oil cooler

3 - Gasket

- Remove

4 - Coolant pipe

- For oil cooler
- Specified torque, break-
off 10-cylinder block: 20 Nm

5 - 8 Nm

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 non-return valve

9 - Valve timing housing

- Additionally install with silicone adhesive sealant - D 109 501 A1-
- Removing and installing [s. page 20](#)
- When installing, install two JETTS® studs in camshaft housing and cylinder block as guides
- To guide valve timing housing, secure pump in position with feel bolts.

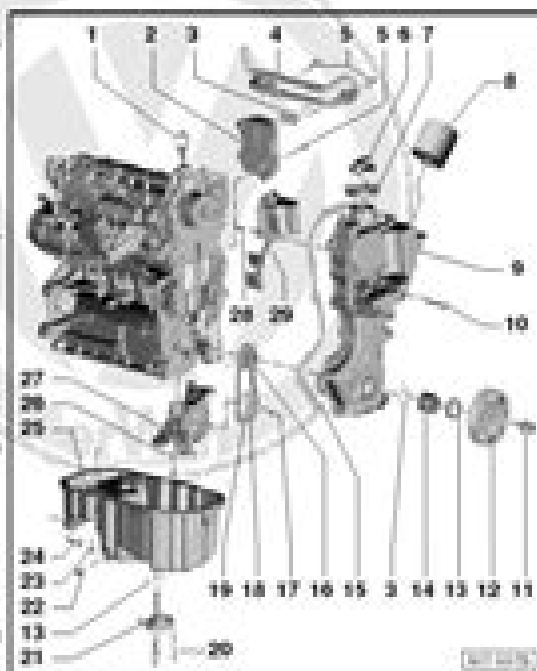
10 - 10 Nm

11 - Bearing bolt

- Specified torque: [s. page 55](#)
- Remove
- Contact surface for securing bolt must be free of oil and grease.
- Oil threads before inserting
- Secure belt pulley against turning with counterhead - 3410-
- The turning further angle can be measured using a commercial protractor e.g. Hanel 9400.

12 - Pulley for counterhead

- Removing and installing [s. page 55](#)
- 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° (1/4 turn) further

- Remove

18 - Chain sprocket

- For oil pump
- Counterhead using counterhead - T10100-

19 - Drive chain

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

20 - 10 Nm

21 - Oil level and oil temperature sensor - G398-

- Remove if damaged
- Check - Current flow diagrams, Electrical fault finding and Fitting locations

22 - Oil drain plug, 30 Nm

- With aligned seal
- Remove

23 - 10 Nm

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

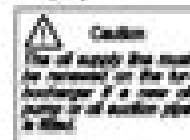
24 - 40 Nm

25 - Oil pump

- Removing and installing [s. page 112](#)
- Clean sealing surface before fitting
- Install with silicone sealant - D 109 404 A2-

26 - 14 Nm + 1/4 turn (90°) further

27 - Oil pump



- with oil suction pipe
- Removing and installing [s. page 112](#)
- Specified torque oil suction pipe: 8 Nm

28 - 8 Nm

29 - Oil separator

Manual Jetta 2003

Volkswagen of America



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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 *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 *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 *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 **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

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