

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.

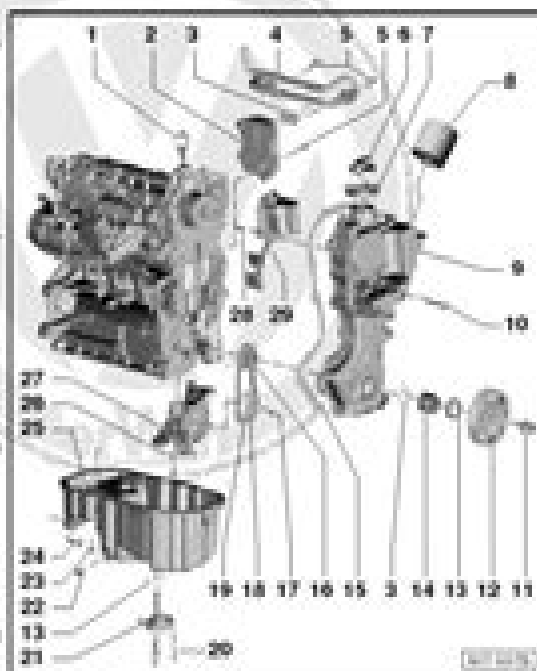
10 - 10 Nm

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° (¼ turn) further

- Remove

18 - Chain sprocket

- For oil pump
- Counterhead using counterhead - T10170-

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

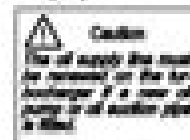
24 - 40 Nm

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 + ¼ 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

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