



1.2 Sealing Flange and Flywheel/Drive Plate Overview

Note

Servicing clutch, refer to • Manual Transmission, Rep. Gr. 3B • Removal and Installation.

1 • Bolt

- Replace
- 60 Nm plus an additional $\frac{1}{4}$ turn (90°)
- Use counter support -J6116- to loosen and tighten
- The flywheels and intermediate must be free of oil and grease

2 • Crankshaft Seal Sprocket

3 • Nut

- 10 Nm

4 • Seal

- Removing and installing, refer to • [3.2 Crankshaft Seal, Seal Pulley Seal](#), page 22
- PTFE seal: Do not clean the lip on the seal with oil or grease

5 • Sealing Flange, Front

- Must be located on dowel sleeves
- Removing and installing, refer to • [3.4 Front Sealing Cap](#), page 23
- To remove and install, remove oil pan

6 • Cylinder Block

- Crankshaft, removing and installing, refer to • [3.2 Crankshaft Overview](#), page 22
- Piston and connecting rod, disassembling and assembling • [3.4 Piston and Connecting Rod Overview](#), page 23

7 • Bolt

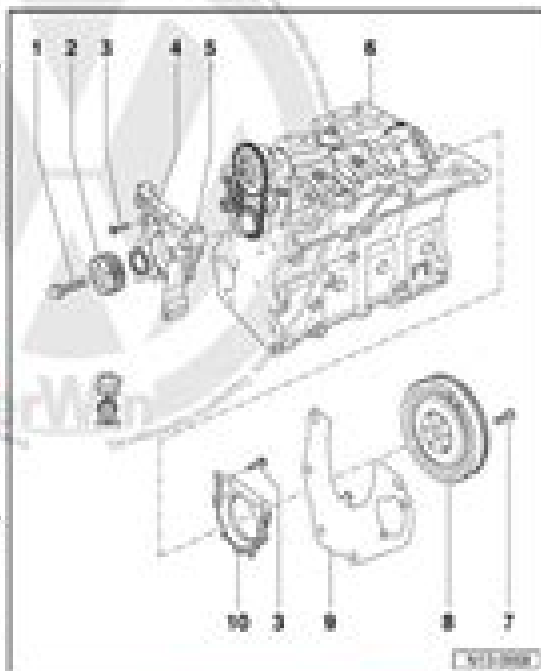
- Replace
- 60 Nm plus an additional $\frac{1}{4}$ turn (90°)

8 • Flywheel/Drive Plate

- To remove and install flywheel, secure using flywheel retainer -J6001-
- Drive plate, removing and installing, refer to • [3.5 Drive Plate](#), page 27

9 • Intermediate Plate

- Must be located on dowel sleeves
- Be careful not to damage or bend when installing



10 • Sealing Flange With Seal

- Always replace as a complete unit
- Use the support sleeve provided with it when installing
- To remove and install, remove oil pan
- Do not coat the lip on the seal with oil or grease
- Wipe off any oil on the crankshaft bearing pin with a clean cloth before installing
- Supporting sleeve may only be removed after the sealing flange has been slid onto the crankshaft pin

1.3 Crankshaft Overview

Note

- Before removing crankshaft, prepare for appropriate storage, so that sensor wheel • [3.5 Sensor Wheel](#), page 26 does not make contact or become damaged
- Secure engine in assembly stand using holding before -J419 (M2) with supports -J419 (M2) B when performing repair work

1 • Oil Pump

- Removing and installing, refer to • [3.2 Lubrication, Oil Pan, Crankshaft Seal, Seal Pulley Seal](#), page 22

2 • Bolt

- 10 Nm

3 • Chain Sprocket

- For oil pump drive

4 • Bearing Shafts 1, 2, 3, 4 and 5

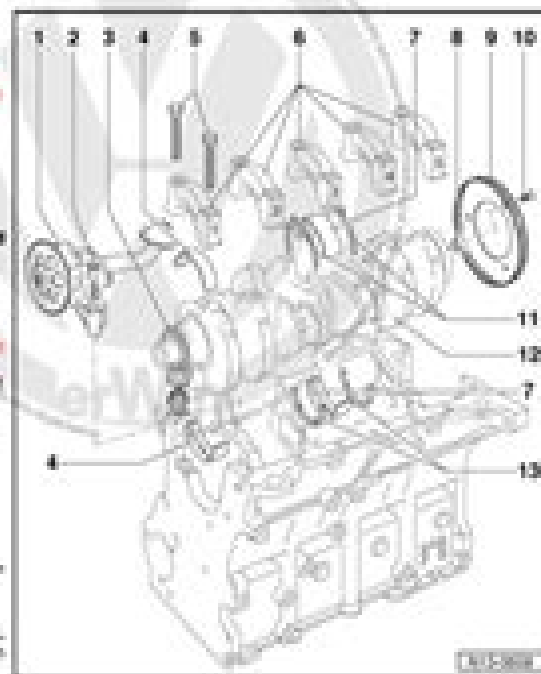
- Classification for replacement part ordering, refer to • [3.2 Lubrication, Oil Pan, Crankshaft Seal, Seal Pulley Seal](#), page 22
- For bearing cap without oil groove
- For cylinder block with oil groove
- Do not interchange used bearing shafts (mark)

6 • Bolt

- Replace
- 60 Nm plus an additional $\frac{1}{4}$ turn (90°)
- Fully threaded
- When measuring crankshaft radial play, tighten to 10 Nm

8 • Bearing Cap

- Bearing cap 1: Bolt pulley side



Vw Passat 99 3b5 Clutch Repair Manual

Robert Jex,Ian Coomber



Vw Passat 99 3b5 Clutch Repair Manual:

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