

Volkswagen Polo Mk5 2010-2017 Workshop Manual

Assembly exercise - crankshaft

1. Note

- The assembly team should ensure that the engine and gearbox support is not damaged.
- During the assembly of the crankshaft, the following must be observed:
 - The crankshaft bearings must be correctly aligned.
 - The crankshaft bearings must be correctly aligned.
 - The crankshaft bearings must be correctly aligned.

2. Bolt

- Remove the bolt.
- 10 Nm + 1 Nm 90° torque.

3. Bearing cap

- Remove the 1st bearing cap.
- Installation position: bearing cap and bearing cap must align vertically.

4. Bolt

- Remove the bolt.
- Remove the bolt and the bearing cap.
- 10 Nm + 1 Nm 90° torque.

5. Main bearing

- 1st main bearing.

6. Main bearing

- 1st main bearing.
- 1st main bearing.
- 1st main bearing.
- 1st main bearing.

7. Crankshaft

- Remove the crankshaft from the engine.
- Remove the crankshaft from the engine.
- Remove the crankshaft from the engine.
- Remove the crankshaft from the engine.

8. Crankshaft

- 1st main bearing.

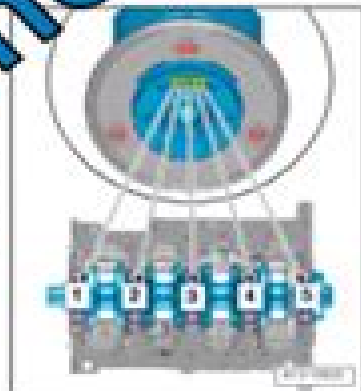
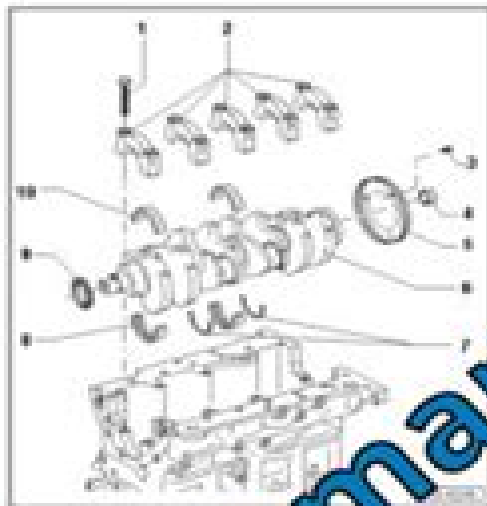
9. Bearing cap

- 1st main bearing.
- 1st main bearing.

Alignment of crankshaft bearing shells for bearing cap

- The bearing cap is aligned with the bearing cap.
- The bearing cap is aligned with the bearing cap.
- The bearing cap is aligned with the bearing cap.
- The bearing cap is aligned with the bearing cap.

Label	Value
1	10 Nm + 1 Nm 90°
2	10 Nm + 1 Nm 90°
3	10 Nm + 1 Nm 90°
4	10 Nm + 1 Nm 90°
5	10 Nm + 1 Nm 90°
6	10 Nm + 1 Nm 90°
7	10 Nm + 1 Nm 90°
8	10 Nm + 1 Nm 90°
9	10 Nm + 1 Nm 90°
10	10 Nm + 1 Nm 90°



Removal

- Remove the bolt.
- Remove the bolt, remove the upper bearing cap and the crankshaft.

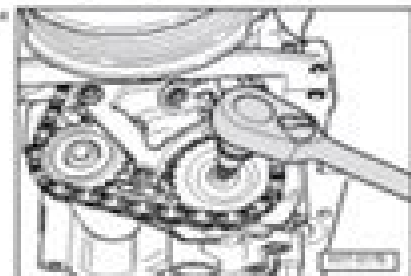
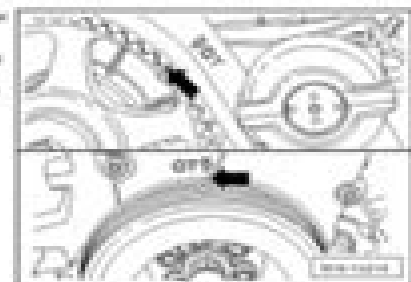
1. Caution

Risk of destruction due to twisted bolt (jamming).
Only turn crankshaft in engine direction of rotation.

- Turn crankshaft by hand, remove the upper bearing cap and the crankshaft.
- Remove the bolt, remove the upper bearing cap and the crankshaft.
- Remove the bolt, remove the upper bearing cap and the crankshaft.

- Put off chain guard if necessary, remove timing belt through bearings, remove using a small screwdriver.

- Remove bolt for oil pump chain sprocket. Crankshaft crankshaft on bolt for crankshaft pulley, while doing so.



Vw Polo 03 Repair Manual

Petrogav International

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the Petrogav International text.

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