

VW (Volkswagen) / Golf / Golf V 1.9 TDI / 1.9 l / 77 kW / 10/2003 - 02/2006 / BKC

Information - Install unit injector (UI)

Install unit injector (UI)

Attention:

The adjusting screw and spherical pin must always be replaced when performing adjustment work on the component <Unit injector>.

If use is made of the old component <Unit injector>, the O-rings and thermal protection seal must be replaced.

Use tool 0 986 612 748 (Assembly sleeve set).

Note:

The O-rings are not to be curled.

Make sure O-rings are correctly positioned.

- Lubricate sealing ring(s) slightly.
- Clean the cylinder head bore and sealing surface before re-installing the component <Unit injector>. Notes on cleaning: [Open instruction](#)
- Check for seat leakage: [Open instruction](#)
- Insert component <Unit injector> in cylinder head.
- Evenly press home component <Unit injector> in cylinder head.
- Fit the clamping block for securing the component <Unit injector>.
- Replace bolt(s).
Screw in bolt(s) by hand.

Align component <Unit injector> as follows:

- Use a commercially available vernier caliper with a measuring range of at least 400 mm.
- Check whether the measuring range (A) coincides with the corresponding component <Unit injector>.
- Measure from outer edge of cylinder head to round surface at solenoid valve of component <Unit injector>.

Set value(s):

Unit injector, cylinder 4: 64.8 ...66.4 mm

Unit injector, cylinder 3: 152.8 ...154.4 mm

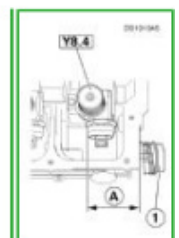
Unit injector, cylinder 2: 244.2 ...245.8 mm

Unit injector, cylinder 1: 332.2 ...333.8 mm

- Check and if necessary adjust component <Unit injector>.

Key:

1	Connector.
A	Measurement area.



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Y8.4	Unit injector, cylinder 4.
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- Tighten bolt(s) of component <Unit injector>.

Tightening torque(s):
12 Nm.

Re-tighten bolt(s):
270 °.
- Fit rocker shaft and hand-tighten bolts, working outwards.
- Replace bolt(s).

Heed tightening sequence.

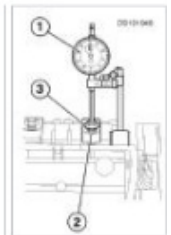
Tightening torques in each case:
20 Nm.

Re-tighten bolt(s):
90 °.
- Position probe of dial gauge (1) on adjusting screw.
- Turn crankshaft in direction of engine rotation until dial gauge is at lowest point.
- Detach dial gauge.

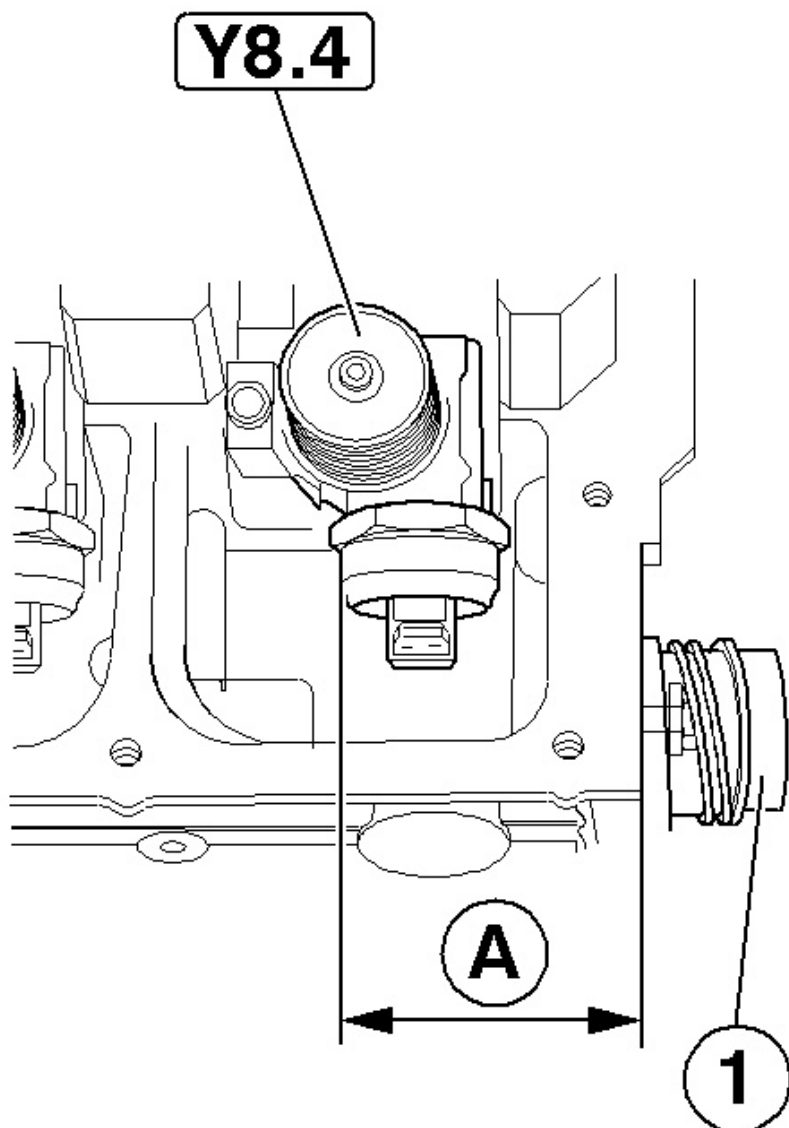
1	Dial gauge.
2	Adjusting screw.
3	Lock nut.

- Screw in adjusting screw(s) of the component <Unit injector> until noticeable resistance is felt.
- The component <Unit injector> is located at the limit stop.
- Turn back adjusting screw by 180 ° from stop.
- Hold adjusting screw and tighten lock nut.

Tightening torque(s):
30 Nm.
- Plug in plug connections of component <Unit injector>.



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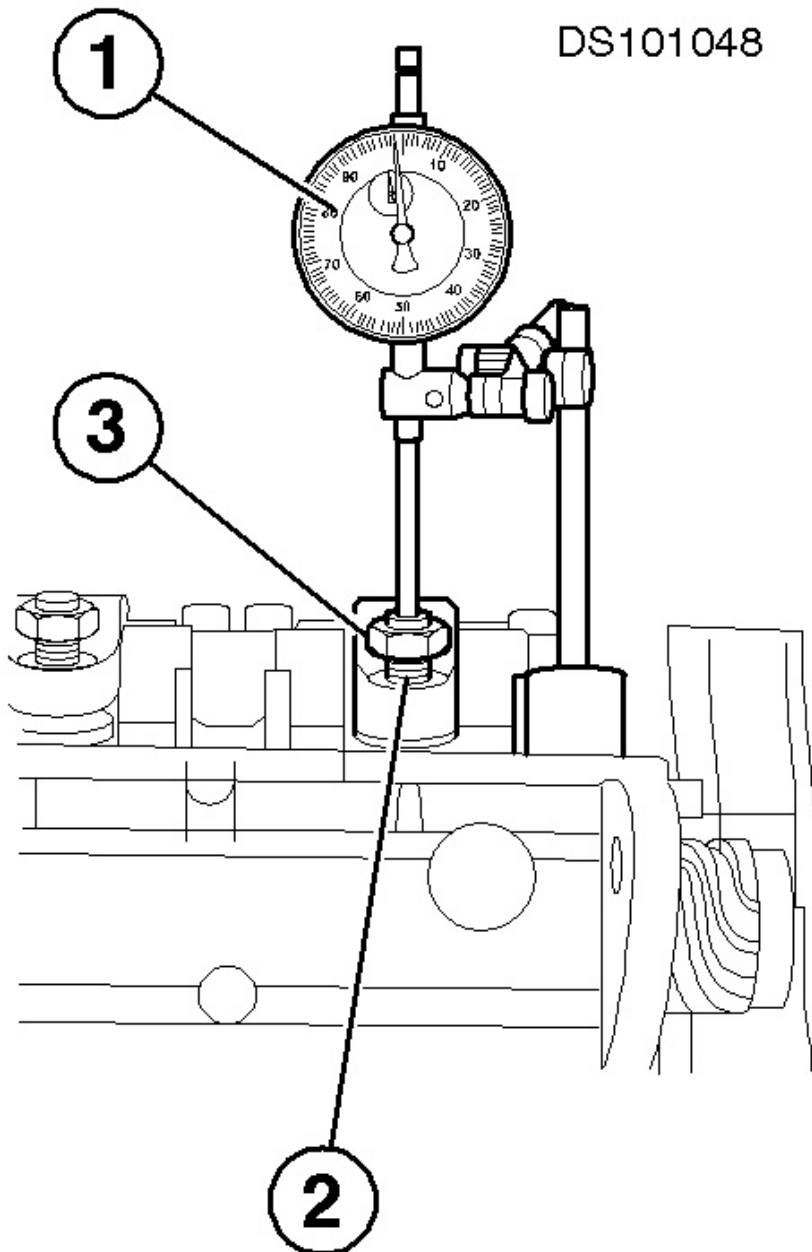


Legend

1 Connector.

A Measurement area.

Y8.4 Unit injector, cylinder 4.



Legend

- 1 Dial gauge.
- 2 Adjustingscrew.
- 3 Lock nut.

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