

Installing



Note

- ♦ *If a new unit injector is installed, the appropriate adjustment screw in the rocker arm must also be renewed.*
- ♦ *Each time work is performed which requires adjustment of the unit injector, the adjustment screw in the rocker arm and also the unit injector ball stud must be renewed.*
- ♦ *New unit injectors are supplied with O-rings and heat shield seal.*
- Heat insulating seal and O-rings must be renewed if old unit injector is reused → **Chapter**.
- Check that 3 O-rings, heat shield seal and circlip are seated correctly before installing unit injector.



Note

The seals must not be twisted.

- Lubricate seals and insert unit injector into cylinder head with extreme care.
- Apply even pressure to push unit injector into cylinder head seat as far as stop.
- Insert clamping block in slot on side of unit injector.



Note

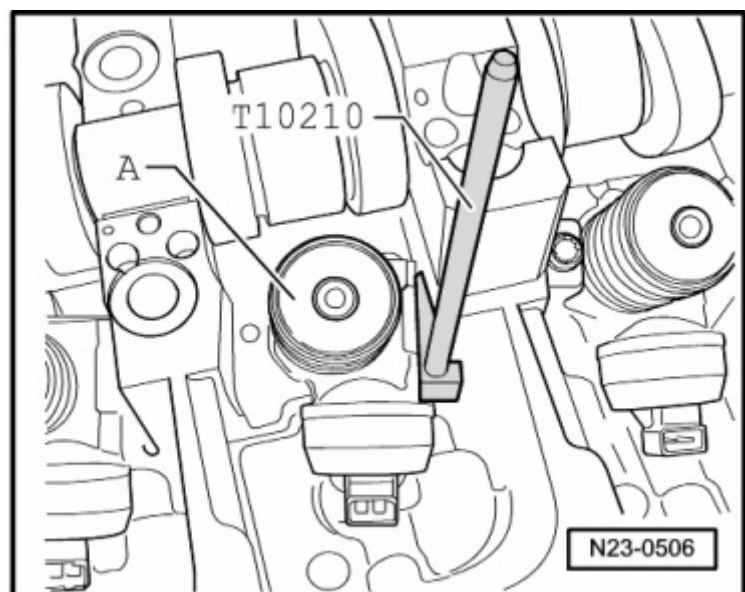
If the unit injector is not at right angles to the tensioning block the securing bolt may loosen and this can damage the unit injector or the cylinder head.

- Align unit injector as follows:
- Screw new securing bolt as far as possible into clamping block while still being able to turn unit injector easily).
- Position gauge -T10210- between mounting seat and unit injector as shown.
- Turn unit injector manually against gauge.
- Realign unit injector if necessary and tighten securing bolt as follows:

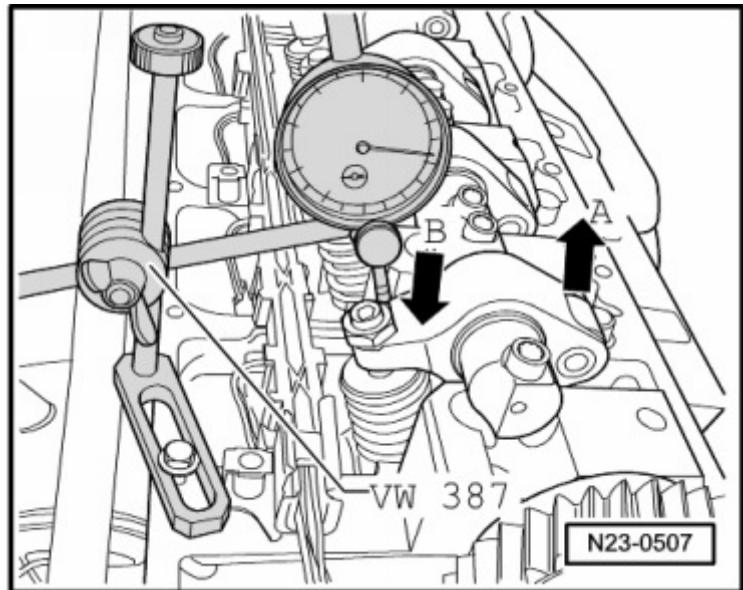
12 Nm and 270° (3/4 turn) further.

(Turning further can be carried out in several stages.)

- Locate rocker arm spindle and tighten new securing bolts as follows:
- Tighten inner and then both outer bolts hand-tight. Then using same sequence, tighten to 20 Nm and turn 90° (1/4 turn) further.
- Fit dial gauge onto adjustment screw of unit injector as shown.



- Turn crankshaft in direction of engine rotation until roller of rocker arm is located at tip of drive cam. Roller side -arrow A- positioned at highest point, dial gauge - arrow B- positioned at lowest point.
- Remove dial gauge.
- Now turn adjustment screw into rocker arm against spring pressure of unit injector until a firm resistance is felt (unit injector positioned at limit stop).



- Slacken adjustment screw of stop by 180°.
- Hold adjustment screw in this position and tighten lock nut to 30 Nm.
- Locate unit injector connector and fit cylinder head cover.

