

TAPPET ADJUSTMENT - Fig. RR1164

The correct clearance is: inlet and exhaust 0,30 mm (0.012 in) engine cold.

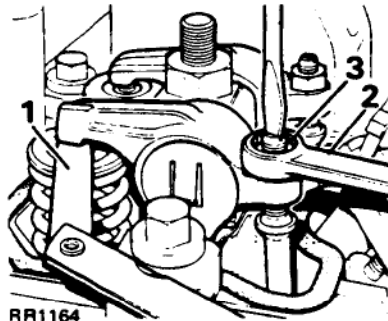
Remove rocker cover

Unscrew the centre retaining bolts and remove the rocker covers for each cylinder, taking care not to lose the seals from the top of the rocker cover.

Check and adjust the tappets

Turn the engine over until number 1 valve (counting from front of engine) is fully open.

Using a 0,30 mm (0.012 in) feeler gauge (1) check the clearance between the valve tip and rocker pad of number 7 valve.



Adjust the clearance by slackening the lock nut (3) and turning the tappet adjusting screw clockwise to reduce clearance and anti-clockwise to increase clearance. Recheck the clearance after tightening the lock nut.

Continue to check and adjust the remaining tappets in the following sequence:

- With No.1 valve fully open adjust No.7 valve.
- With No.8 valve fully open adjust No.2 valve.
- With No.5 valve fully open adjust No.3 valve.
- With No.4 valve fully open adjust No.6 valve.
- With No.7 valve fully open adjust No.1 valve.
- With No.2 valve fully open adjust No.8 valve.
- With No.3 valve fully open adjust No.5 valve.
- With No.6 valve fully open adjust No.4 valve.

Refitting the rocker covers

Clean the rocker cover gasket seating face.

Inspect the rocker cover gaskets; renew if damaged.

Position the rocker cover with the oil filler cap on No.1 cylinder, and the rocker cover with the breather pipe to No.3 cylinder

Check that the collars and seals are located on the top of the rocker covers, then fit the rocker covers and tighten the retaining nuts.

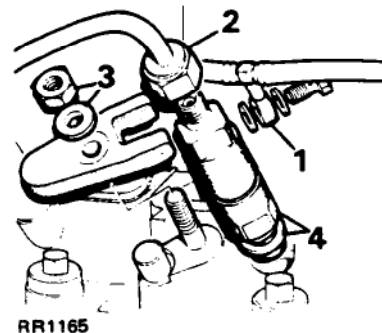
INJECTORS - Fig. RR1165

To locate a faulty injector, slacken the feed pipe union nut on the suspected injector and run the engine slowly. If there is no change in engine performance or if a faulty condition, such as a smoky exhaust, has disappeared, it can be assumed that the injector is faulty and a replacement injector should be fitted.

Unscrew the retaining nut and remove the rocker cover adjacent to the injector to be removed.

Disconnect the fuel leak-off pipe (1) and the high pressure pipe (2) from the injector.

Unscrew the mounting nut (3), and remove the mounting clamp, injector (4) and sealing washer.



Before fitting an injector fit a new sealing washer.

Fit the injector, its mounting clamp and tighten the injector retaining nut to a torque of 1,7 kg/m.

Refit the high pressure feed pipe and leak-off pipe.

Refit the rocker cover; renew gasket if it is damaged; check that the collars and seals are located on top of the rocker cover before fitting and tightening the rocker cover.

NOTE: Fit the rocker cover with the oil filler cap on No.1 cylinder and the rocker cover with the breather pipe to No. 2 and 3 cylinders.