

Flying Spares

INSTRUCTION SHEET FOR HYDRAULIC TAPPET TESTER (RH12454LOAN)

This information can be found on IETIS (TSD6000)

All Cars

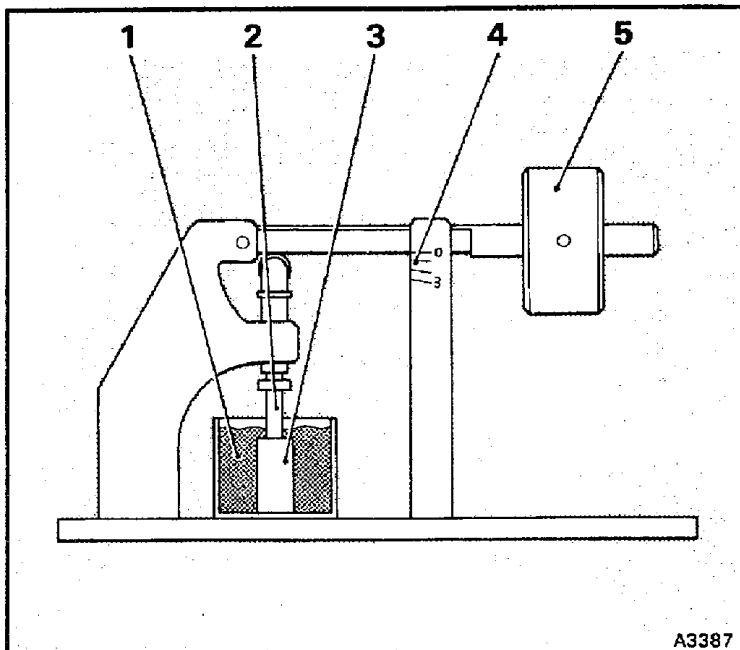
- Using a small probe or a push rod (as applicable) push the valve off its seat.

On cars prior to 1992 model year, the probe should be carefully positioned through the small hole in the tappet cap and pushed down into the tappet until it contacts the valve. A slight increase in pressure will then be required to overcome the spring washer loading and open the valve.

- Continue to hold the valve open and place a small screwdriver into the cap adjacent to the probe.
- Apply pressure to both the probe and screwdriver. Press the cap downwards in the tappet barrel, compressing the spring.

Note the air bubbles that are expelled from the tappet barrel oil inlet hole.

- When the air bubbles cease, release the pressure from the cap and valve.
- Repeat Operations 9 to 12 inclusive, until the air bubbles have ceased to appear throughout the cycle of operations.
- Withdraw the probe (if applicable) from the small hole in the centre of the cap.
- Using tester RH 12454, check the tappets (either new or re-assembled) for 'leak-down' (see fig. E7-3)



1	Paraffin tank
2	Plunger
3	Tappet
4	Scale and pointer
5	Weight

E7-3 Hydraulic tappet tester RH 12454

E7-3 prior to fitting to the engine, as follows.

Place the cleaned and primed tappet into the small paraffin tank (item 1), containing clean Esso TSD 1047 rust inhibiting paraffin.

Position the tappet under the test rig plunger (item 2). Whilst supporting the weight of the arm (item 5), adjust the plunger (using the

knurled diameter) until the plunger is touching the tappet, with all free play removed. Set the scale reading to zero (item 4).

The arm should then be released and the travel of the arm from 'zero' to 'three' on the scale timed.

This equates to a plunger travel

of 3,18 mm (0.125 in).

The acceptable time limits for this test are as follows.

New tappets - Between 30 and 90 seconds

Used tappets - Between 20 and 80 seconds.

Tappets not conforming to the above limits should be renewed.

Warning: When tappets are to be fitted immediately after overhaul, they should be primed with clean engine oil.