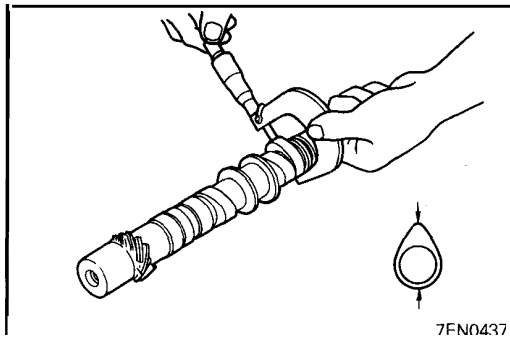
**REMOVAL SERVICE POINT****ROCKER ARM, SHAFT AND BEARING CAP REMOVAL**

- (1) Install the special tools to the rocker arm to hold the lash adjuster.
- (2) Loosen the camshaft bearing cap bolt. Do not remove the bolts from the cap.
- (3) Remove the rocker arm, shaft and bearing cap as an assembly.

**INSPECTION****CAMSHAFT**

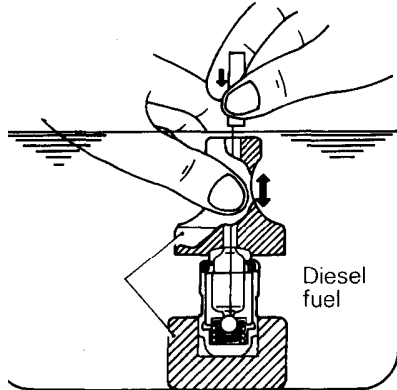
- (1) Inspect the camshaft bearing journals for damage and binding. If the journals are binding, also check the cylinder head for damage. Also check the cylinder head oil holes for clogging.
- (2) Check the tooth surface of the distributor drive gear teeth of the camshaft and replace if abnormal wear is evident.
- (3) Check the cam surface for abnormal wear and damage and replace if defective. Also measure the cam height and replace if out of limit.

Standard value: 41.25 mm (1.6240 in.)

Limit: 40.75 mm (1.6643 in.)

LASH ADJUSTER LEAK DOWN TEST**Caution**

1. The lash adjuster is a precision part. Keep it free from dust and other foreign matters.
2. Do not disassemble the lash adjusters.
3. When cleaning the lash adjusters, use clean diesel fuel only.

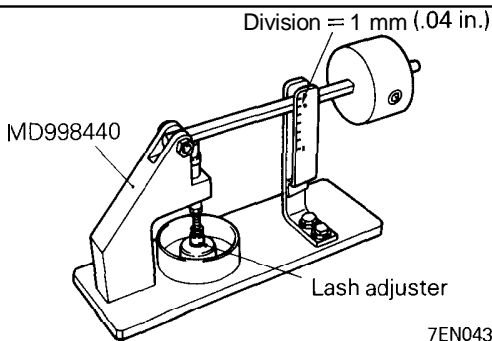


6EN057

- (1) Immerse the lash adjuster in clean diesel fuel.
- (2) While lightly pushing down the inner steel ball using the small wire, move the plunger up and down four or five times to bleed air.
Use of the Retainer facilitates the air bleeding of the rocker arm mounted type lash adjuster.
- (3) Remove the small wire and press the plunger. If the plunger is hard to be pushed in, the lash adjuster is normal. If the plunger can be pushed in all the way readily, bleed the lash adjuster again and test again. If the plunger is still loose, replace the lash adjuster.

Caution

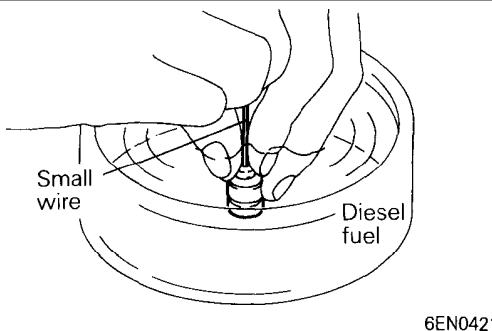
Upon completion of air bleeding, hold the lash adjuster upright to prevent the inside diesel fuel from spilling.



7EN0438

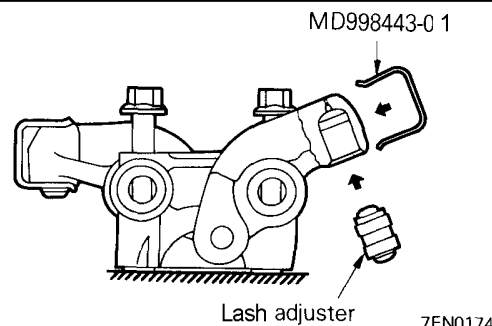
- (4) After air bleeding, set the lash adjuster on the special tool (Leak down tester MD998440).
- (5) After the plunger has gone down somewhat 0.2 – 0.5 mm (.008 – .020 in.), measure the time taken for it to go down 1 mm (.04 in.). Replace if the measured time is out of specification.

Standard value: 4 – 20 seconds / 1 mm (.04 in.)
[Diesel fuel at 15 – 20°C (50 – 68°F)]

INSTALLATION SERVICE POINTS**◆A◆ LASH ADJUSTER INSTALLATION**

6EN0421

- (1) Immerse the lash adjuster in clean diesel fuel.
- (2) Using a small wire, move the plunger up and down 4 or 5 times while pushing down lightly on the check ball in order to bleed out the air.



7EN0174

- (3) Insert the lash adjuster to rocker arm, being careful not to spill the diesel fuel. Then use the special tool to prevent the adjuster from falling while installing it.