

## A. Tappet Clearance Adjustment

**Tappet clearance should only be adjusted or checked with engine cold!**

### Tappet clearance

Inlet: = 0.10 mm

Exhaust: = 0.20 mm

1. Remove air intake silencer and cylinder head cover.
2. Check tightness of cylinder head bolts and if necessary, tighten as specified. (See Job No. 01—4, Section C, Fig. 44.)
3. Move the cam (of the camshaft) which operates the tappet being adjusted to the position where the lobe of the cam is not pressed against the rocker arm but on the opposite side and at right angles to the sliding surface of the rocker arm — i. e. the base circle of the cam faces the sliding surface of the rocker arm.

The crankshaft is turned by means of the shoulder screw which attaches the vee pulley and the counterweight to the crankshaft. Box Wrench SW 22 is used with a ratchet insert to do this (Fig. 01—3/2).

4. Slacken the hexagon nut of the tappet adjustment screw and adjust the screw, using Special Combination Wrench 187 589 01 09, to the specified clearance, using a tolerance feeler band.

It must be **only just** possible to move the tolerance feeler band between the valve stem and the adjustment screw (Fig. 01—3/2a).

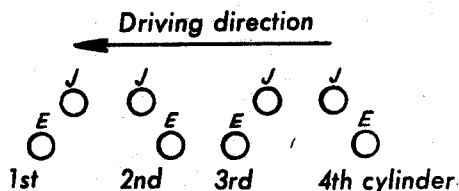


Fig. 01—3/1

Now re-tighten the hexagon nut, holding the adjustment screw steady. Check tappet clearance once again after having tightened up the adjustment nut.

5. Put back cylinder head cover and air intake silencer. When putting on the cylinder head cover, make sure that the gasket is properly seated!
6. Run the engine and check the cylinder head cover for leakage at the jointing surface.

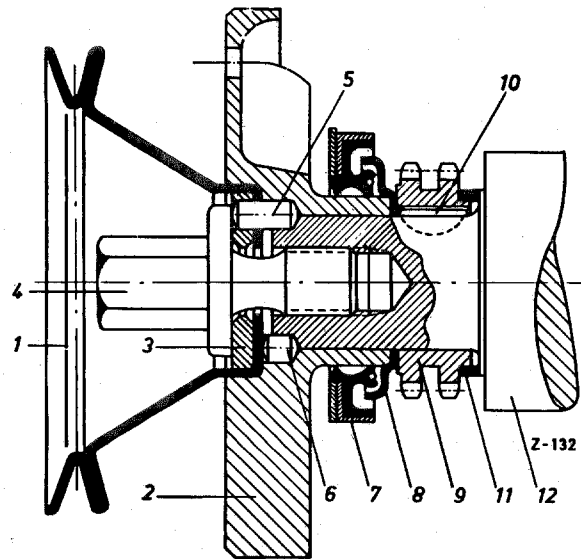


Fig. 01—3/2

- |                  |                       |
|------------------|-----------------------|
| 1 Vee-pulley     | 7 Seal                |
| 2 Counterweight  | 8 Oil thrower disk    |
| 3 Washer         | 9 Crankshaft sprocket |
| 4 Shoulder screw | 10 Key                |
| 5 Dowel pin      | 11 Compensating ring  |
| 6 Dowel pin      | 12 Crankshaft         |

**Note:** When the cylinder head cover is replaced, the gasket must not be jammed out of position.

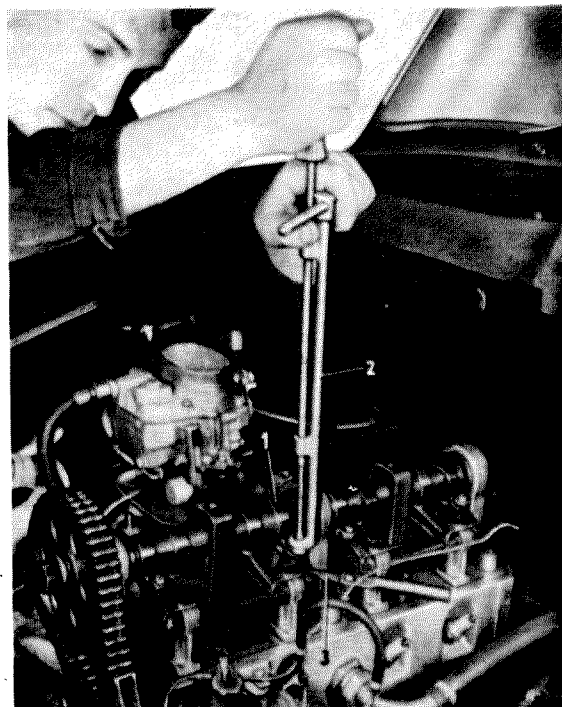


Fig. 01—3/2a

- |  |
|--|
| 1 Position of cam                          |
| 2 Special Combination Wrench 187 589 01 09 |
| 3 Tolerance feeler band                    |