

9. Rotate the crankshaft pulley one half revolution (exactly 180°) counter clockwise and adjust the valves of cylinder II.
10. Proceed likewise for the remaining cylinders.
11. Clean the rocker box covers with solvent and inspect the cork gasket. Replace the gasket if required.
12. Test the free movement of the ball check valve and correct deficiencies.
13. Install rocker box covers.
14. Start engine and check for oil leaks.

## Adjusting Ignition Timing

### General

The ignition point is 3° before TDC or approx. 3.6 mm (9/64 in.) at the rim of the crankshaft pulley measured in the direction of rotation (marked with a pencil). This mark is then aligned with the mark on the crankcase with the distributor rotor pointing toward the notch in the distributor housing.

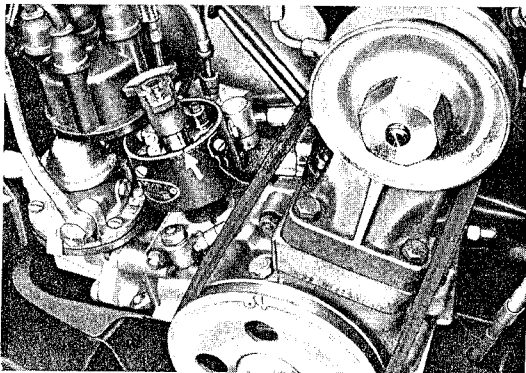


Fig. 13

### Adjusting

1. Remove the distributor cover and bring the engine and distributor to the timing mark for cylinder I (3° BTDC or 3.6 mm, 9/64 in. at pulley rim).
2. Loosen clamping bolt at distributor base.
3. Connect one lead of a 6 V test lamp to terminal one on the distributor housing and the other to ground.
4. Switch on ignition.
5. Rotate distributor clockwise until the breaker contacts close (lamp goes out), then rotate counter clockwise until the test lamp lights and hold at the exact position.
6. Tighten clamp.
7. Install distributor cap.

### Note

The ignition timing of all four cylinders is correct if the test lamp lights exactly when the pencil mark, 3° or 3.6 mm (9/64 in.) before TDC comes in line with the crankcase mark while the crankshaft is slowly rotated clockwise.