

K. Adjustment of Idle

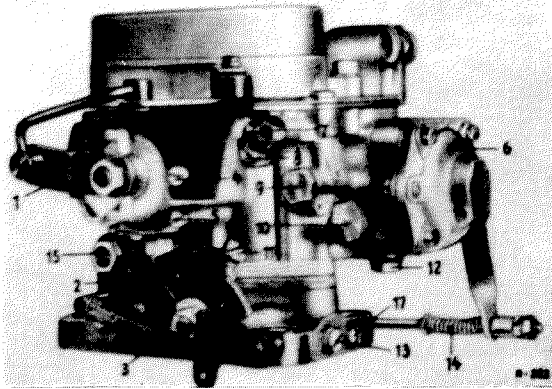


Fig. 01—3/38

- 1 Relay lever for operating starter device
- 2 Connecting linkage
- 3 Return spring
- 4 Fixing screw for relay lever
- 5 Fixing screw for starter device
- 6 Accelerating pump
- 7 Idle fuel jet of Stage 1
- 8 Retaining screw for air horn of Stage 1
- 9 Pump jet
- 10 Main jet holder with main jet of Stage 1
- 11 Idle adjustment screw
- 12 Ball valve with screen
- 13 Idle mixture adjustment screw
- 14 Connecting rod to accelerating pump
- 15 Hexagon nut for linkage
- 16 Hexagon nut for throttle valve shaft of Stage 1
- 17 Union for distributor vacuum control (closed with a screw)

Note: When the idle is adjusted, the mechanical throttle valve of Stage 2 and the starter mechanism must be completely closed.

1. Back out the idle adjustment screw (11) to the point where the throttle is completely closed. Then bring the idle adjustment screw up until it touches the idle stop and give it exactly one further turn (Fig. 01—3/38).
2. Screw the idle mixture adjustment screw (13) right in and then back it out exactly two turns.
3. Warm up the engine to normal working temperature (at least 70° C cooling water temperature) and adjust the idle, (using Revolution Counter 000 589 12 21) to an idle speed of $n = 700—750$ r. p. m.
4. Adjust the idle mixture adjustment screw by turning it in or out so that:
 - a) the engine turns smoothly and
 - b) the highest possible idle engine speed is reached.Then readjust the idle engine speed once more to $n = 700—750$ r. p. m. by adjusting the idle adjustment screw.
5. By making a further slight correction with the idle mixture adjustment screw try to improve the idle. If necessary, adjust the idle speed once more with the idle adjustment screw.