

Reassembly

Reassembly is accomplished in reversed order of the above, devoting attention to the following points:

1. It should be noted that the switch guide fixture can be easily turned; if necessary, slightly loosen the retaining screw (CM 3.5 x 30).
2. The inside part of the thermoswitch sensor tube must be clean.
3. The quartz bar ends should not show any sign of damage and should be freely movable inside the sensor tube.

4. Following reassembly, the thermoswitch should be readjusted. The basic adjustment at time of reassembly is made as follows: the red paint-sealed adjusting screw is tightened during reassembly until the switching throw takes place within the switch (audibly noticeable click), then the screw is turned another $1/3$ turn (120°).

5. The exact adjustment is accomplished in manner outlined at the beginning of this chapter.

HEATER CONTROL SWITCH

Description

Depending upon the discharge air temperature, the current supply for the fuel pump and fuel solenoid is opened or shut by a bi-metal spiral which is a part of the microswitch (heat thermostat). The switch response temperatures should be 45 to 55°C at the lowest heat output settings, and 80 to 90°C at high settings (readings taken in hot air duct).

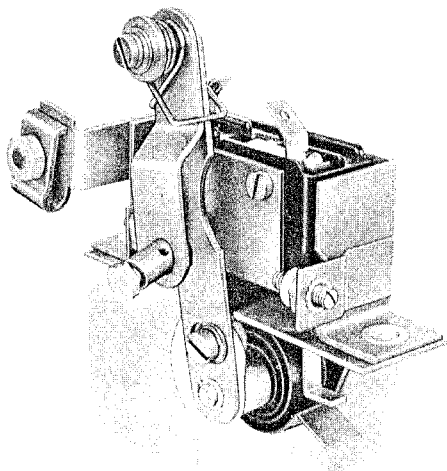


Fig. 17

Inspection and Adjustment

If the prescribed temperatures can not be realized, it is possible to rectify this trouble by readjusting the terminal stop screws of the control lever. If the microswitch had to be replaced for any reason, it will be necessary to completely readjust the new switch. Should it happen that the adjustment range of the terminal stop screws turns out to be insufficient it will be necessary to change the basic setting by loosening one round-head screw and changing the position of the lever in relation to the bi-metal spiral (oval orifice in the lever).

Disassembly

1. Remove two cylindric-head screws seated in switch body (at the level of Bowden-cable terminal) and withdraw the switch with the contact finger up.
2. To take out the Thermoflex spiral, it is necessary to remove the retaining ring on the pivot shaft, loosening the set screw in the control lever, and removing the control lever.