S A F E T Y S W I T C H

Description

This switch prevents that the heat exchanger is flooded with fuel if combustion should fail for any reason. The switch consists of a coil, wired parallel to the glow plug, which heats a bi-metal contact strip which interrupts the flow of current to the fuel pump and fuel solenoid after having been energized for 2 to 3 1/2 minutes (this cannot be determined by the position of the red lever).

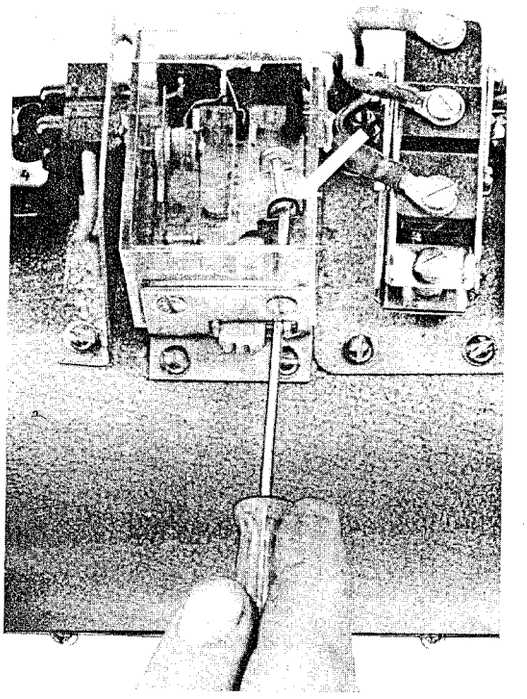

Fig. 15

Inspection and Adjustments

The inspection and adjustment procedure can be undertaken only in a closed, draft-free room. The rated activation time, at nominal voltage, is 2 to 3 1/2 minutes after energizing the coil. Is a corrective adjustment necessary, the paint-sealed adjustment screw located on the right side of the base plate (reference Fig. 15 and arrow) should be turned clockwise to shorten the activation period, and counter-clockwise to extend it (allow 15 minutes for cooling prior to each test). If found defective, the complete switch assembly will have to be replaced.

T H E R M O S W I T C H

Inspection and adjustments

The thermoswitch is correctly adjusted when the blower motor continues to run for approximately 3 minutes during the purging cycle, when the heater has been turned off after reaching normal operating temperature. If the purging cycle is too long, the thermoswitch adjusting screw should be turned clockwise; if it is too short, the screw must be turned counter-clockwise. Refer to paragraph 4, Reassembly, for basic settings of the switch.

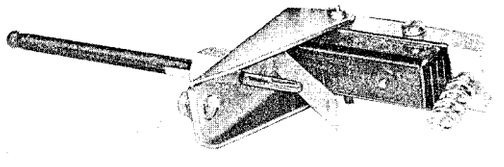

Fig. 16

Disassembly

1. Remove the red or green paint-sealed adjusting screw, and pull out helical spring.
2. Raise the now hinging switch, together with arm, remove leaf spring, and withdraw the quartz bar by slanting the switch on its pivot (see illustration).