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INSTRUCTIONS FOR INSTALLING THE 136132 OVERLOAD SWITCH ASSEMBLY ON A MU4 MOTOR UNIT OR 82283 SYNCHRONOUS MOTOR TO PROVIDE CURRENT OVERLOAD PROTECTION (USED ON MODEL 15 BASE (BB), MODEL 14 TYPING UNIT (FP), TYPING REPERFORATOR (FPR), NON-TYPING REPERFORATOR (RPE), TYPING REPERFORATOR TRANSMITTER (FRXD), AND TRANSMITTER DISTRIBUTOR (XD)

1. GENERAL

a. The 136132 Overload Switch Assembly when installed on a Motor Unit MU4 or 82283, 60 cycle, Synchronous Motor provides a single heater type, current operated, thermostatic switch overload protector. This supplements or replaces the standard fusing arrangement for the Motor Unit MU4 or 82283, 60 cycle, Synchronous Motor in its associated apparatus. The overload switch assembly is wired in series with one of the motor leads.

b. The thermostatic switch operates by means of a snap-acting thermostatic bi-metal disc and a heater. The contacts are normally closed. Motor current passes through both the disc and the heater. When the temperature, caused by the resistance of the heater and disc, reaches a predetermined value, the disc snaps to reverse its curvature, thus separating the contacts and opening the current to the motor. To reset the switch after interruption of the circuit, allow sufficient time for cooling of the elements and then manually depress the red reset button.

c. For part numbers referred to and for parts ordering information, see Teletype Motors Parts Bulletin.

2. INSTALLATION (Figures 1 and 2)

a. Disconnect the unit to be modified from associated apparatus.

b. Remove and retain one 78025 Screw and loosen the other 78025 Screw of the 82283 Motor Name Plate.

c. Mount the assembled 136132 Overload Switch Assembly on top of the motor over the name plate and under the loosened 78025 Screw. Replace the 78025 Screw and tighten, so that the 139630 Box is securely fastened to the 82283 Motor.

d. Both wire leads should follow the motor leads to the terminal block. Disconnect one motor lead from its 115 volt A.C. terminal source, splice, solder and tape to one of the thermostatic switch leads. The remaining switch lead replaces the motor lead removed from the 115 volt A.C. terminal source.

e. Depress the red reset button before reconnecting the modified unit to its associated apparatus.

f. Test of the overload switch may be done by applying 115 volts A.C. 60 cycles to the motor with its armature blocked. The thermostatic switch should open in not less than 3 seconds and not more than 15 seconds the first time. Turn the power off and reset the manual button.

g. Release the blocked armature and resume normal operation.

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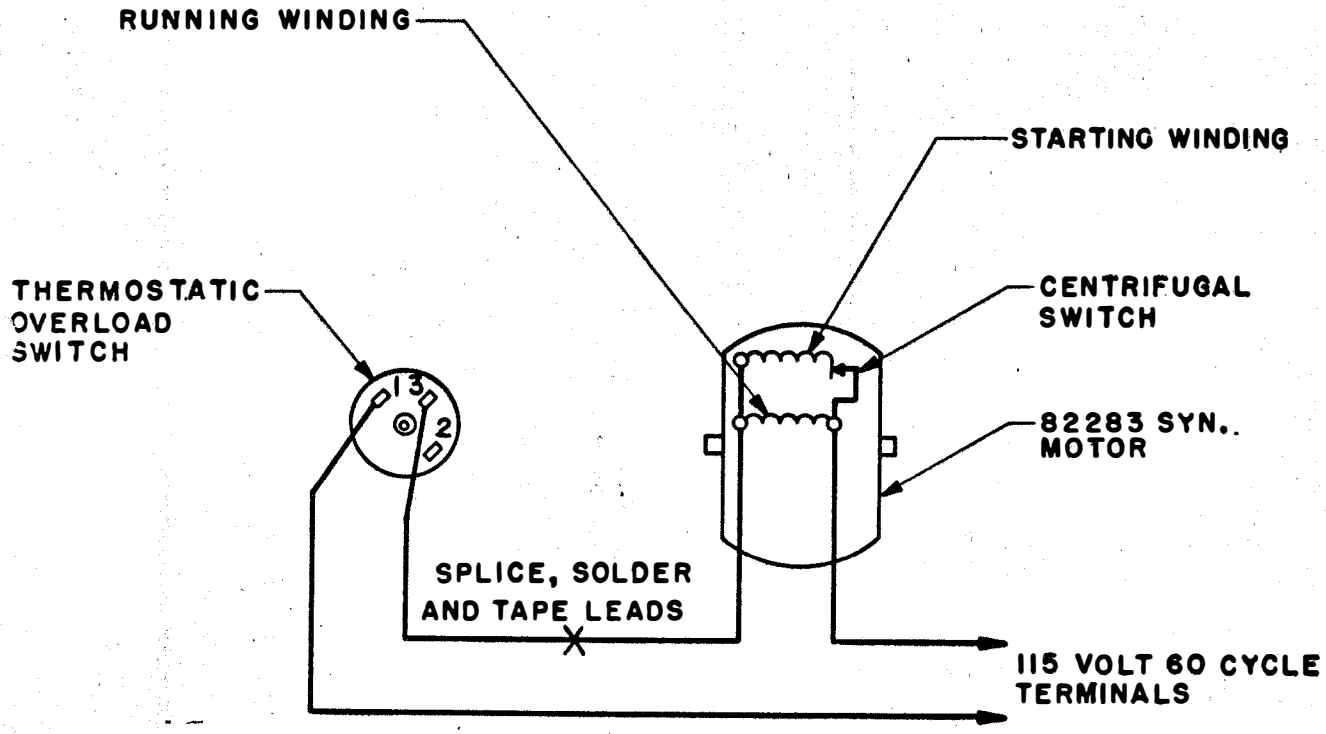
RUNNING WINDING
STARTING WINDING
THERMOSTATIC OVERLOAD SWITCH
CENTRIFUGAL SWITCH
82283 SYN.. MOTOR
1
3
2
SPLICE, SOLDER AND TAPE LEADS
115 VOLT 60 CYCLE TERMINALS

FIGURE 1

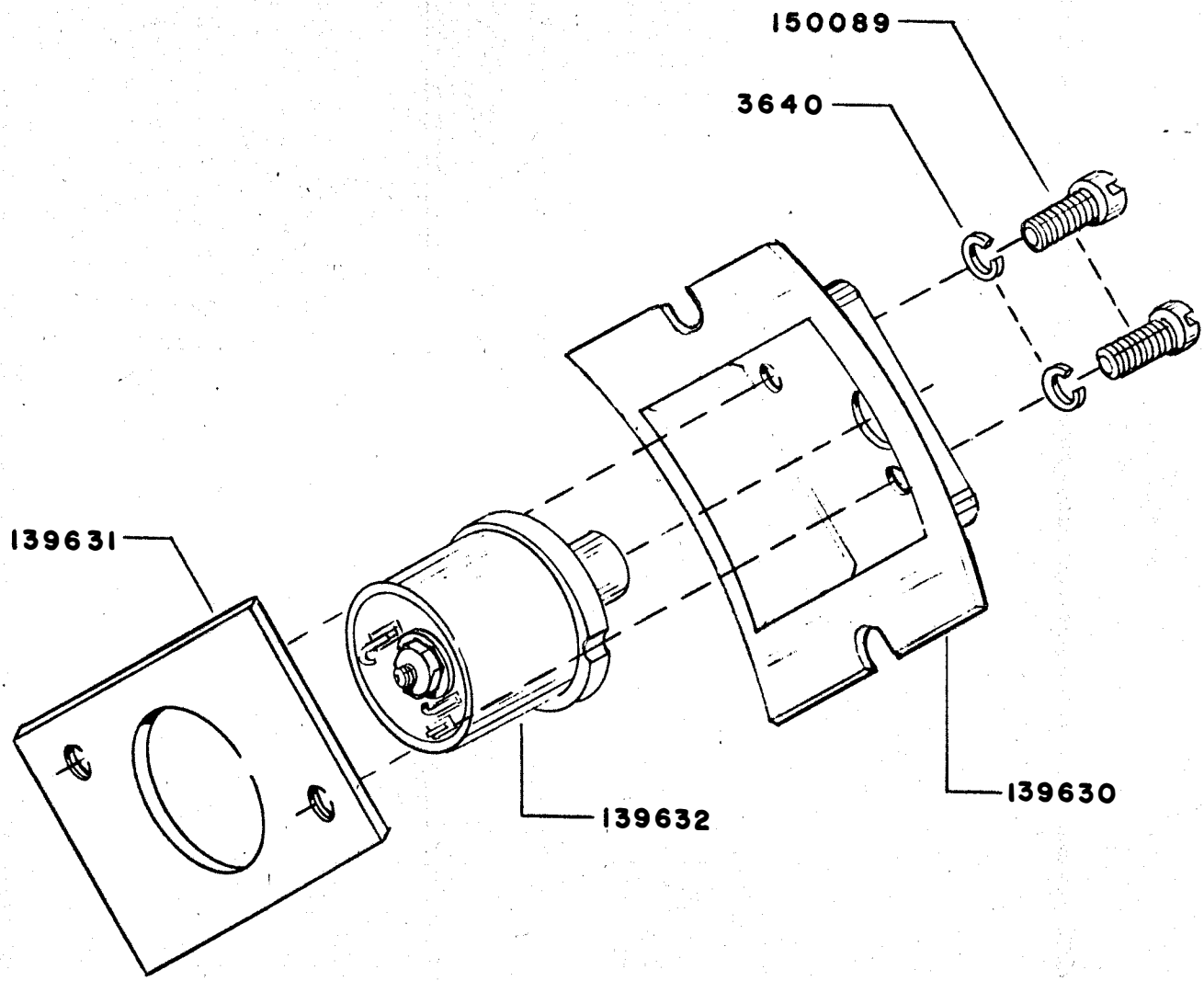

FIGURE 2