

**BELL SYSTEM PRACTICES**  
**Teletypewriter and Manual**  
**Telegraph Station and P.B.X.**  
**Installation and Maintenance**

**SECTION P36.463**  
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## **INSTALLATION OF 87868(M) UPPER CASE H CONTACT MECHANISM ON 15S AND 15T TYPING UNITS**

### **1. GENERAL**

1.01 This section furnishes information for the installation of the 87868(M) Upper Case H Contact Mechanism on 15S and 15T typing units for the conversion of these typing units to 15J and 15L typing units for use in teletypewriters employed with the 120A1 teletypewriter subscriber sets.

1.02 The parts to be added consist primarily of a motor stop function lever and a set of contacts to open momentarily upon the receipt of an upper case "H" selection.

### **2. PROCEDURE**

2.01 Rest the typing unit on its right side and with the printing bail in its extreme rear position insert the 82271(M) motor stop function lever furnished with the set of parts in the top slot (left slot when unit is in normal position) in the vane frame casting so that the notch in the function lever engages the function lever pivoting shaft (74005(M) Shaft), and so that the function lever bail roller is between the extensions on the function lever.

Note: If the function lever comb is of the old style having 13 instead of 12 slots it will be necessary to loosen the three screws, 6746(M), which mount the function lever comb before the new function lever can be inserted. These screws should be tightened again after the lever is in place. The adjustments depending on the position of this plate will have to be checked later since they may be disturbed.

2.02 Hook one end of the 82788(M) spring in the spring hole of the function lever just installed and the other end in the top hole of the function lever spring plate.

2.03 Mount the 81800(M) upper case H contact assembly furnished with the parts by means of the mounting screws, 1210(M), on the flat projection on the top end (left when in normal position) of the plate, 74539(M), which mounts the send-receive break mechanism. The bakelite tip on the contact spring should center with the projection on the motor stop function lever.

2.04 Insert one end of the 82633(M) cable furnished in the space between the left end of the vane frame casting and the left side frame casting. Route this end of the cable under the selector mounting plate and along the cable for the selector magnets to the terminal block.

2.05 Remove the terminal block and the insulator and solder the ends of the cable to terminal clips 9 and 10. The other end of the cable should be soldered to the contact terminals. Replace the terminal block and the insulator.

2.06 Bind the two cables together by means of cord around the yellow tubing making sure that the cable does not interfere with the movement of any of the parts.