

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C32.578
SECTION C63.432
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AT&T Co Standard

TELEPHONE SET MOUNTINGS

M-TYPE—MAINTENANCE

1. GENERAL

1.01 This section covers the requirements and adjustment procedures for the maintenance of M-type telephone set mountings except that those for the associated ringer are covered in Section C31.205.

1.02 To avoid unnecessary interruption to service while working on the set, disconnect the telephone set from the ring side of the line, except that in the case of two-party selective dial message rate service, party on tip, it is necessary to disconnect from both sides of the line.

2. CLEANING

2.01 Clean mounting when dirty, and contact springs, as described for other telephone set mountings in the section entitled "Telephone Set Mountings—H-Type—Maintenance".

3. REQUIREMENTS AND PROCEDURES

Switchhook

3.01 The hook shall move freely throughout its entire travel without binding or squeaking. To eliminate binding or squeaking proceed as follows:

- (a) Remove the two switch assembly mounting screws, the helical spring and associated screw, the pin, and disassemble the switch assembly and hook from the housing.
- (b) Clean the bearing holes in bracket and hook with a piece of KS-2423 cloth.
- (c) Clean the bearing pin with a clean dry cloth. If the pin is bent or rusted replace it.
- (d) If cam binds replace switch assembly.
- (e) Reassemble the switchhook assembly, hook, bearing pin, helical spring and associated screw to the housing. Care should be taken to be sure that the under cut in the bearing pin is assembled so that the screw for the helical spring engages with the under cut.

3.02 When the hand set is slowly lowered into place on the hook, the hook shall move downward and come to a positive stop. When the hand set is removed from the hook, the hook shall move upward and come to a positive stop.

Switch Contacts

3.03 Contact alignment, operating spring and spring finger alignment, and operating spring tension shall be the same as the comparable requirements for other telephone set mountings in the section entitled "Telephone Set Mountings—H-Type—Maintenance".

3.04 Looseness of the separators (studs) in operating springs 2 and 3 (see Fig. 1) is not objectionable provided they are not loose enough to rock.

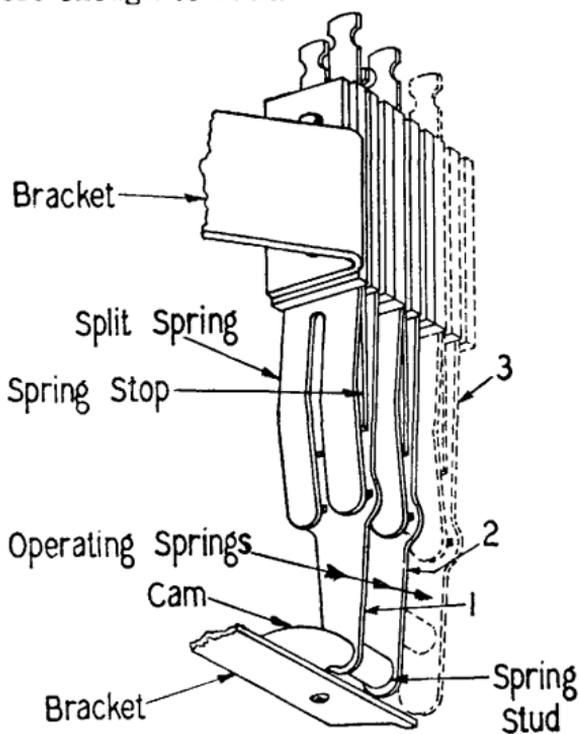


Fig. 1

3.05 **Contact Sequence:** Observe that the contact sequence is such that the contacts on spring 2 close before the contacts on spring 1. In addition on spring assemblies with three operating springs, observe that the contacts on springs 2 and 3 close before the contacts on spring 1. The contacts on spring 1 shall have a separation of approximately 1/64 inch after the other contacts have closed. Gauge by eye.

3.06 Contact Follow: With the hook in the upper stop position observe that all contacts remain closed when the .030 inch portion of the 126C gauge or equivalent is inserted between the cam and spring 1. Insert the side of the gauge between the end of the spring and the end of the cam and be sure that the gauge lies flat against the spring.

3.07 Contact Separation: When the hook is fully depressed, the air gap between all contact pairs which make contact when the hook is in the upper stop position shall not be less than .035 inch. Check with the .015 inch and .020 inch portions (combined to give a thickness of .035 inch) of the 126A and 126B gauges respectively or the equivalent.

3.08 Spring Clearance: When the hook is in the lower stop position, there shall be a separation of not less than 1/64 inch between each operating spring and the adjacent contact spring with which it is not intended to make contact. Gauge by eye.

3.09 Spring Adjusting: In general, spring adjustments are required rather infrequently. **No spring adjustments other than those absolutely necessary to meet the requirements should be made on the contact springs.** If any adjustment is made on the springs recheck the whole series of spring requirements (i.e., 3.03 to 3.08 inclusive). If springs are kinked they should not be straightened as removal of kinks tends to weaken the springs. If contact spring replacement is required, the entire spring pile-up and bracket assembly should be replaced or if convenient, the set may be replaced.

Terminal Screws

3.10 All terminal screws on terminal strips, induction coil, dial and other component items shall be tight. Check with small screwdriver.

Over-all Set

3.11 Before assembling the base to the housing, see that interior wiring, cord conductors and station wires are arranged so that they will not interfere with the operation of the ringer, ringer gongs, dial or switch assembly. When assembling the base to the housing, see that the base fits flush with the housing before tightening the two assembly screws and then tighten the screws securely.

Final Test

3.12 Station Testing: When the foregoing procedures have been completed make a test of the station as outlined in the Section in the C60 Division covering station testing.

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