

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C36.301
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AT&T Co Standard

549- AND 551-TYPE KEYS

DESCRIPTION, INSTALLATION AND MAINTENANCE

1. GENERAL

1.01 This section covers the 549- and 551-type keys used for local signaling service for key equipments and key telephone systems of various types. It is reissued to include connections of the M5E and D9B-9 cords when used with the 549-type keys and to change mounting information of a minor nature.

2. DESCRIPTION

2.01 The 549-type keys are four button or eight button nonlocking push-button keys mounted in a black finished case. They are provided with escutcheon plates, cards and face strips for four or eight designations as indicated in Table 1. These keys are designed primarily for use without permanent fastening, the bases being provided with cork and rubber pads so that the keys may be used on furniture. Screw holes have, however, been provided under the escutcheon plate so that the key can be mounted permanently where this is desirable.

2.02 The 551A key is a single nonlocking push-button key with a black molded base and black finished cover. An opening with a transparent face strip is provided so that a designation card can be inserted if desired. This key is designed for permanent mounting and is to be connected by wiring brought in through the key.

- 2.03 The following table gives code numbers and information regarding these keys and their associated parts:

TABLE 1

Key Code	Number of Push Buttons	Consists of		Face Strip	Designation Form No.
		Key	Cord		
549A	4	549B	M5E	P-239846	P-458652
B	4	549B	—	P-239846	P-458652
C	8	549D	D9B-9	P-472399	P-458652
D	8	549D	—	P-472399	P-458652
551A	1	551A	—	P-470934	E-2804 (Note 1)

Note 1—Trim Form E-2804 to same size as face strip and use for designation card.

3. INSTALLATION

3.01 549-type keys equipped with cords are generally placed loose on a desk or table top and are not fastened unless the subscriber specifically requests that they be fastened. The cord is terminated on a suitable connecting block in the knee well of the desk or under the table top where the excess length of cord, if any, is stored. Attach any excess cord length with inside wiring cable clamps used with screws or inside wiring nails. Figs. 1 and 2 illustrate the four and eight button keys respectively and also show the connections of the M5E and D9B-9 cords when used with the keys.

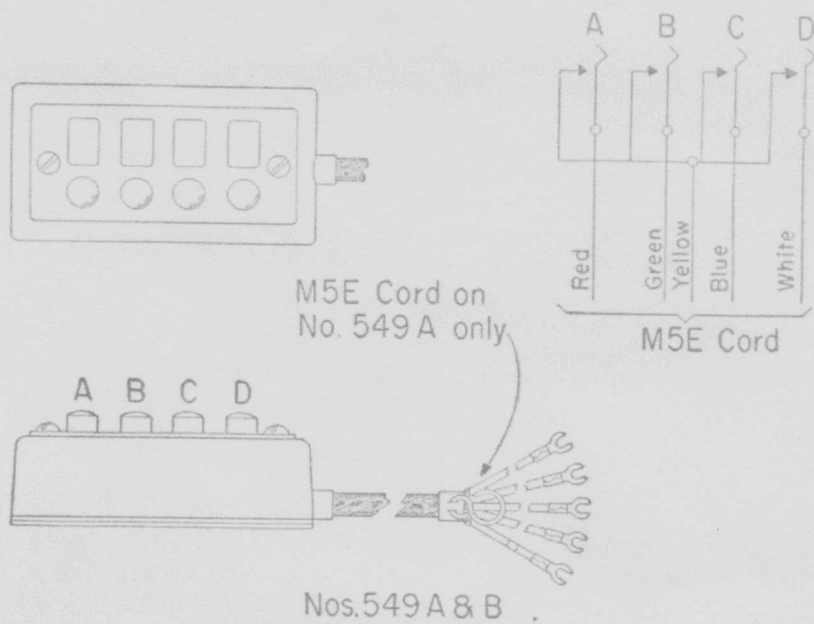


Fig. 1

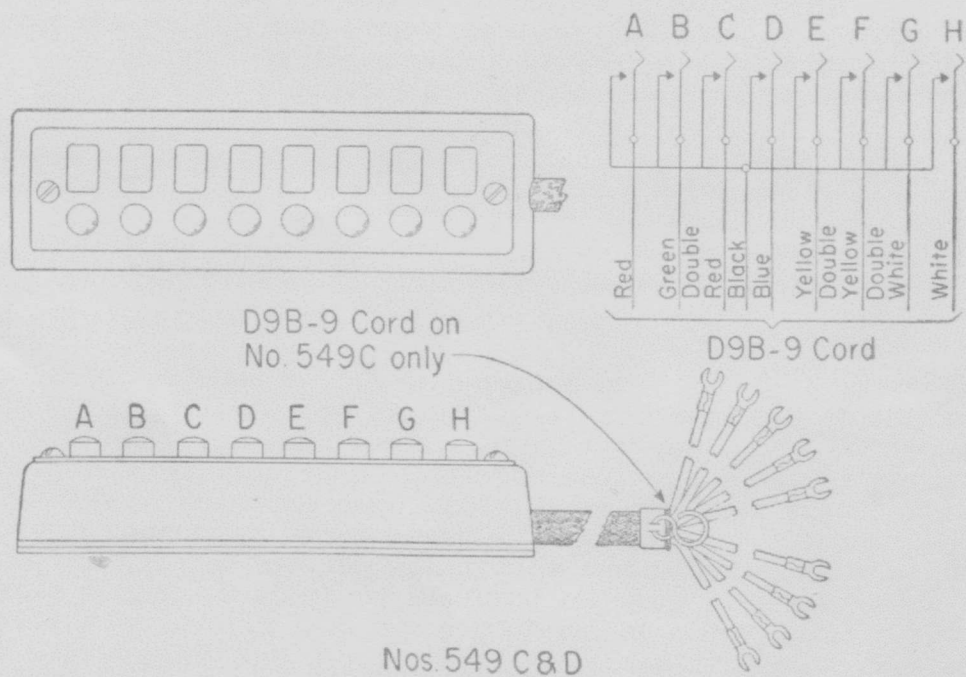


Fig. 2

3.02 549-type keys without cords are mounted with two No. 6 or 8 F.H. Bright Wood Screws; length, 1-1/4 inch for hardwood and 1-1/2 inch for softwood. Mount 551-type keys with two 1/2 inch No. 6 R.H. Blued Wood Screws. These keys should generally be mounted on desk or table legs near the top but may also be mounted on woodwork or walls at any height convenient to the subscriber. Backboards specifically for these keys have not been provided as the keys are generally used in conjunction with other apparatus, and where backboards are required, as on masonry walls, etc, one large enough to mount the key as well as the other apparatus can be selected from the existing supply of backboards.

4. MAINTENANCE

4.01 These keys should require little or no maintenance. However, if the contacts become dirty they should be burnished with a 265B tool.

4.02 The operating spring should bring the push button up to a positive stop. Adjust if necessary with a 466A tool.

4.03 The push buttons should be free in their sockets. If binding is experienced, inspect for foreign material between buttons and socket. If necessary, remove buttons and wipe buttons and sockets clean with a cleaning cloth.