

BELL SYSTEM PRACTICES
Station Installation and Maintenance

WR-C63.411
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AT&T Co

TELEPHONE SETS CONVERTED TO 302 TYPES CONNECTIONS

1. GENERAL

1.01 This sheet covers the connections of converted 305, 401, 410, 411, 440, 441, 460, 461 and 462 type telephone sets for use as 302 type telephone sets for all classes of service as given in Section C63.411 and of converted 105, 205 and 208 type hand telephone sets for use only as 302A, B, C or D telephone sets for bridged ringing services as given in Section C63.411.

1.02 In areas where the telephone sets normally used are of the 302 E, F, G and H types, all converted telephone sets will be equipped in the Shop with three-conductor mounting cords or with four-conductor mounting cords with the fourth conductor disconnected from the circuit. In areas where 302 A, B, C and D type sets are normally used for bridged ringing services, converted telephone sets intended for these classes of service will either be equipped in the Shop with two-conductor mounting cords or with four-conductor cords with the two unused conductors disconnected from the circuit. In either case the converted sets should be connected as covered in Section C63.411, with unused conductors, if present, disposed of in the manner described in Section C33.545. Converted hand telephone sets in all cases are to be equipped in the Shop with two-conductor mounting cords and should be connected as shown in Fig. 2.

2. INTERNAL CHANGES

2.01 Three (or four)-Conductor Converted Telephone Sets:

These sets, when issued from the Distributing Houses, are connected for ring party stations in accordance with Section C63.411. The unused conductor, if present, is connected to

an unused terminal. Further internal changes in connections of the sets made in conversions, are as follows:

- (a) **305 Type Sets:** Both key leads are connected to E terminal of connecting block.
- (b) **401 Type Sets:** The red-yellow and green-yellow leads from terminals L1 and L2Y of induction coil are connected to terminals E and E2 of terminal block respectively.
- (c) **410 Type Sets Equipped with Four-Conductor Cords:** The red-white and green-white leads from terminals L1 and L2Y of induction coil are connected to terminals 1 and 2 of terminal block respectively.
- (d) **Other 410 Type and 411 Type Sets:** Mounting cord is replaced with a three-conductor cord.
- (e) **440, 441, 460 and 461 Type Sets:** Mounting cord is replaced with a three-conductor cord. The red and green leads from L1 and L2Y of induction coil are connected to 1R and 1T of the key respectively. The A designation of the key has been replaced with designation GND.
- (f) **462 Type Sets:** Mounting cord is replaced with a three-conductor cord. The YY designation of the key has been replaced with designation GND.

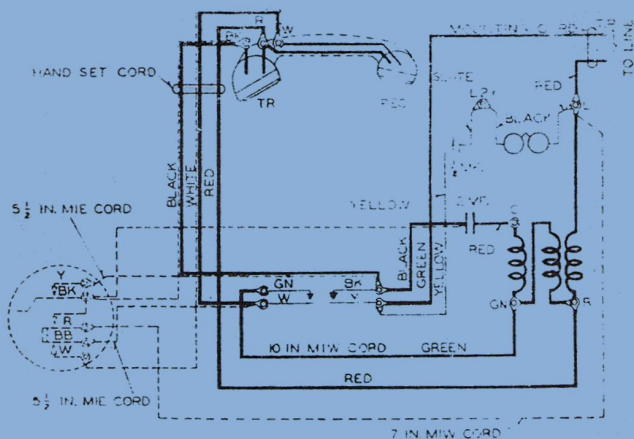
2.02 Two (or four)-Conductor Converted Telephone Sets:

These sets, when issued from the Distributing Houses, are connected for bridged ringing services in accordance with Fig 1, Section C63.411. The unused conductors, if present, are connected to unused terminals. Further internal changes in connections, are as follows:

- (a) The same changes have been made in all converted sets as in 2.01 except that in sets with a four-conductor mounting cord only two-conductors are used and in converted sets with more than a four-conductor mounting cord the cord has been replaced with a two-conductor mounting cord.

2.03 Two - Conductor Converted Hand Telephone Sets:

These sets, when issued from the Distributing Houses, are connected for bridged ringing services in accordance with Fig. 2.



NOTE: FOR MANUAL SERVICE OMIT MIE AND MIW CORDS TO DIAL

Fig. 2—S327A, B, C and D Type Telephone Sets—Connections

2.04 Only one screw is furnished for each of the L1 and L2Y terminals of the 101A induction coil because of the limited space. The L2Y terminal on the induction coil is used as the K terminal for connecting the ringer and condenser together, and the leads normally connected to the L2Y terminal are connected to the Y terminal of the switchhook spring combination.

2.05 A fibre separator is provided with each set and assembled so that the slots in the separator straddle the two mounting screws of the base and with the front portion extending under the fibre blank that covers the key button openings. The purpose of this separator is to safeguard against any portion of the switchhook spring combinations coming into contact with the apparatus or parts in the base plate. If for any reason the set is opened care should be taken to be sure that this separator is assembled in its proper location when the set is closed.