

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C64.231
Issue 6, 7-1-48
AT&T Co Standard

PREPAYMENT COIN COLLECTORS MULTI-SLOT TYPES—CONNECTIONS

1. GENERAL

1.01 This section covers the connections for D-98548, D-99788, 50, 150, 161, and 181-type coin collectors. It is reissued to include the 37A varistor at anti-sidetone stations, to include information for connecting line wires to terminals in coin collectors when L₁ terminal is provided, to show the line wires connected to 181-type coin collector instead of external ringer and to include 181-type coin collector equipped with 101A induction coil.

1.02 **Sidetone reduction connections** when required shall be made at sidetone stations only (that is: any coin collector associated with a sidetone subscriber set) as follows:

(a) D-98548 and D-99788, reverse Red and Black conductors of hand set cord at coin collector screw terminals.

(b) 50 and 150 types, 161A and 161B, reverse Red and Yellow coin collector leads at terminals R and Y on connecting block in coin collector.

(c) 161C and 161D, reverse Red and Yellow conductors of local wiring to coin collector at screw terminals R and Y in coin collector and connect yellow coin relay lead to tip side of line.

Note 1: 181-type coin collectors which include the anti-sidetone circuit should not be used at sidetone stations.

Note 2: 37A varistors should not be provided in the receiver circuit at sidetone stations.

2. COMMON BATTERY STATIONS—CONNECTIONS

2.01 If the coin collectors shown in Figs. 2 and 3 are connected to anti-sidetone subscriber sets, the BK and L2Y terminals in the subscriber set shall be strapped together and only one low impedance or two high impedance ringing bridges are permitted on the line. This arrangement should not be used on party lines nor with extension stations. Do not use a subscriber set having a 195A or similar lead encased condenser.

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a condenser marked with the letter "L" on the end opposite the terminals or a 447AB condenser for these circuits.

2.02 If coin collectors shown in Figs. 4, 5 and 6 are connected to sidetone subscriber sets omit black conductor between set and coin collector. Anti-sidetone subscriber sets should be used for new installations with these coin collectors, in preference to sidetone sets.

2.03 When 37A varistors are provided in the receiver circuits, the coin collectors must be installed with anti-sidetone subscriber sets. If varistors are to be installed at stations now equipped with sidetone subscriber sets, the sets should be replaced. When varistors are installed in 50-type coin collectors, they shall be connected across the receiver terminals in the same manner as shown for the 150-type coin collectors in Fig. 5.

Caution: When housing contacts are in the varistor circuit as on 161C, 161D and 181-type coin collectors, these contacts must be kept clean.

2.04 When D-98548, D-99788, 50, 150 and 161-type coin collectors are equipped with L_1 terminals, the line wires (Tip and Ring) should be connected directly to the coin collectors as indicated in Fig. 1 instead of to the subscriber sets as shown in Figs. 2 to 6, unless local instructions state otherwise. Other connections are the same as shown in Figs. 2 to 6. Although the line wires are shown connected directly to 181-type coin collectors in Figs. 7 and 8, they may be connected to the corresponding L_1 and L_2 terminals in the subscriber set, when permitted by local instructions.

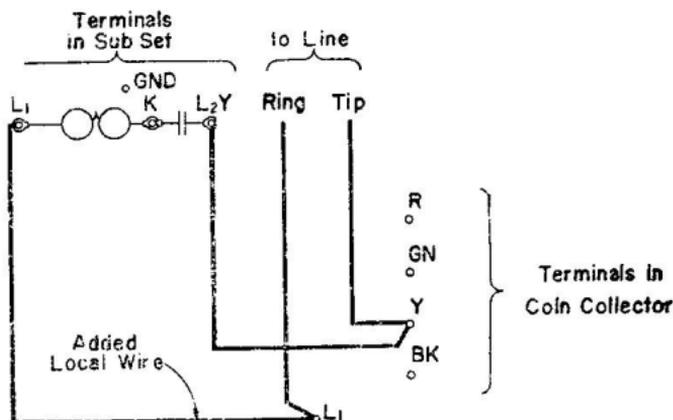


Fig. 1—50, 150, 161, D-98548 and D-99788 Type Coin Collectors Equipped with L_1 Terminal (Common Battery Stations)

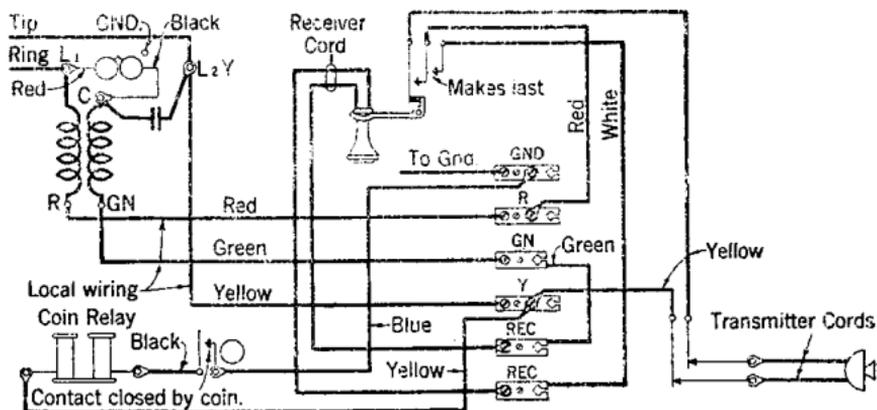


Fig. 2—50A or F Coin Collectors—For Manual Sidetone Stations (For Maintenance Only)

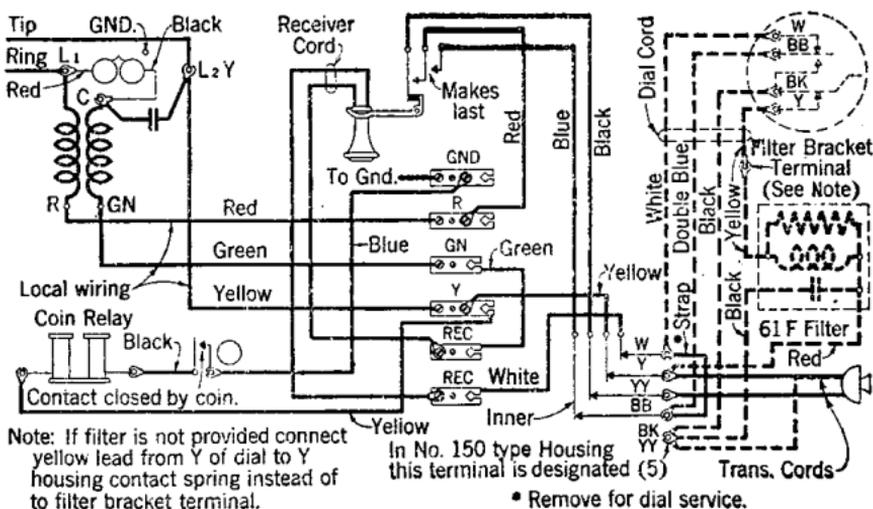


Fig. 3—50G or H Coin Collectors—For Manual or Dial Sidetone Stations (For Maintenance Only)

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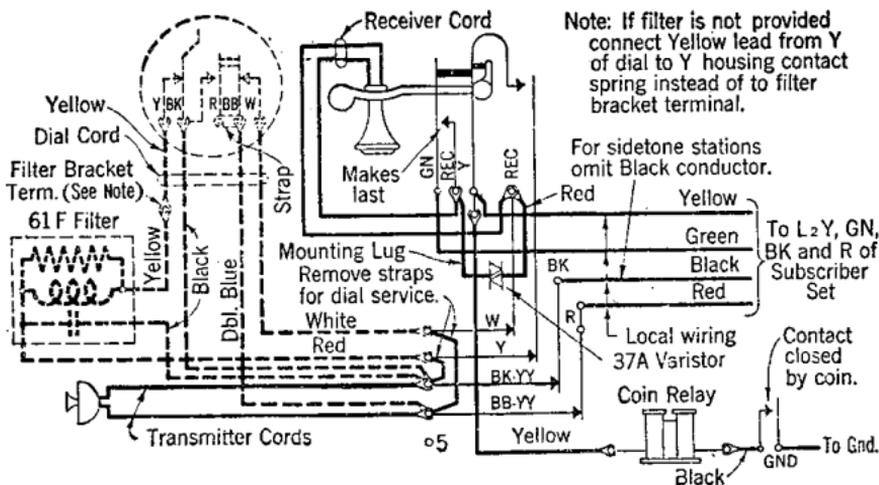


Fig. 4—161C or D Coin Collectors—For Manual or Dial Anti-Sidetone Stations

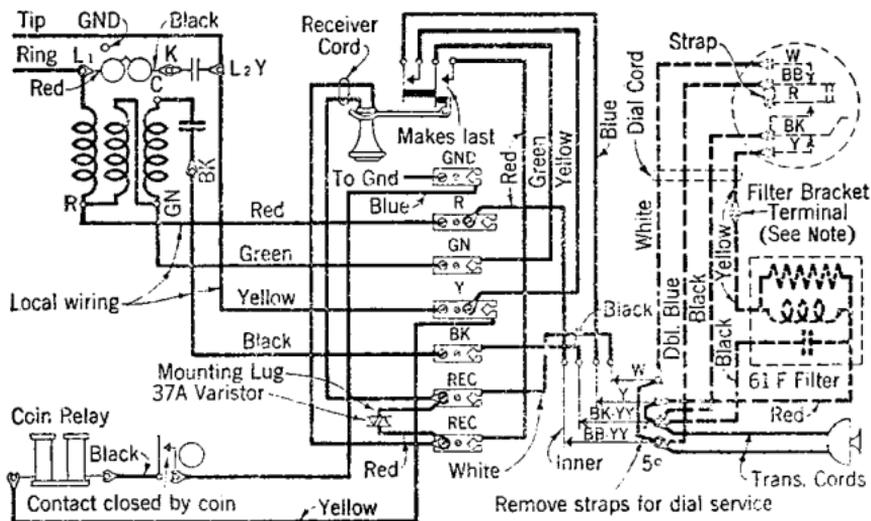
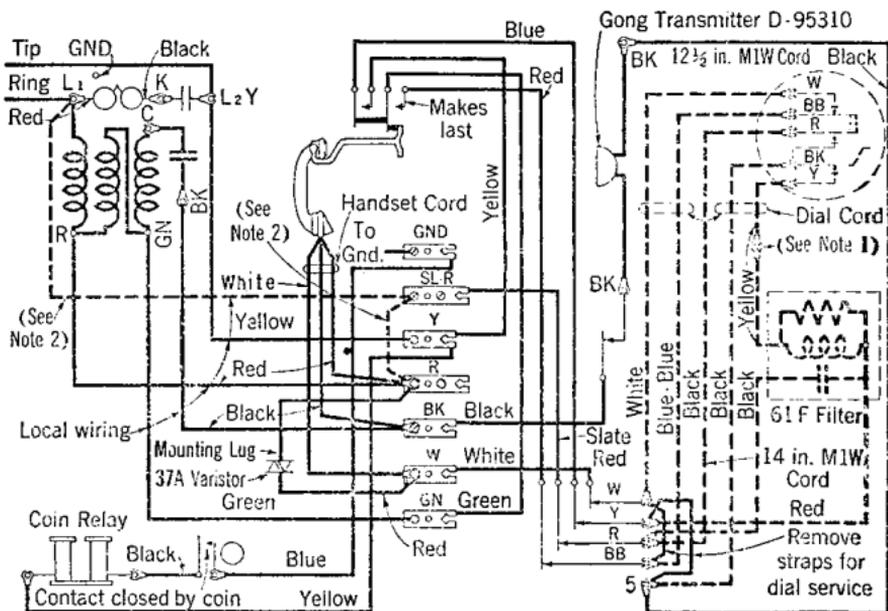


Fig. 5—150G or H and 161A or B Coin Collectors—For Manual or Dial Anti-Sidetone Stations

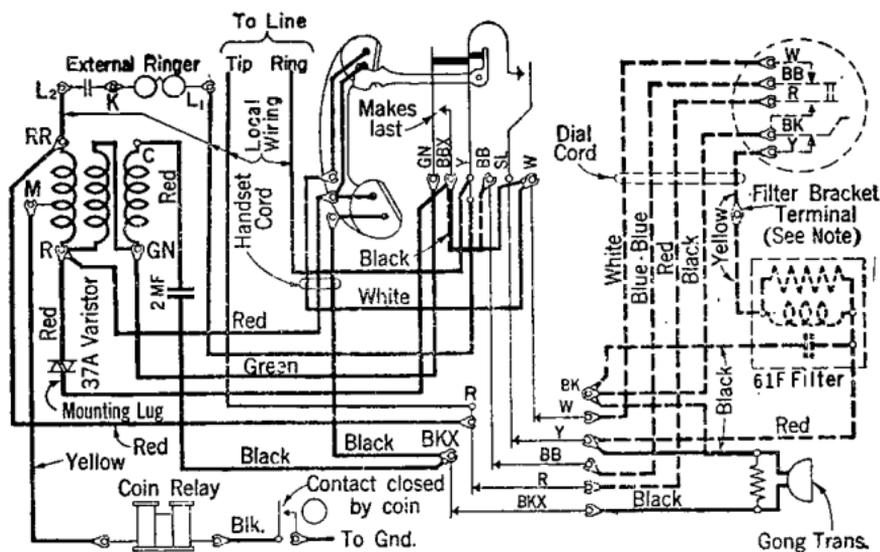


Note 1: If filter is not provided connect yellow lead from Y of dial to Y housing contact instead of to filter bracket terminal.

Note 2: Strap SL-R and R when filter is provided. Omit this strap and run local wire from SL-R to L₁ when filter is omitted.

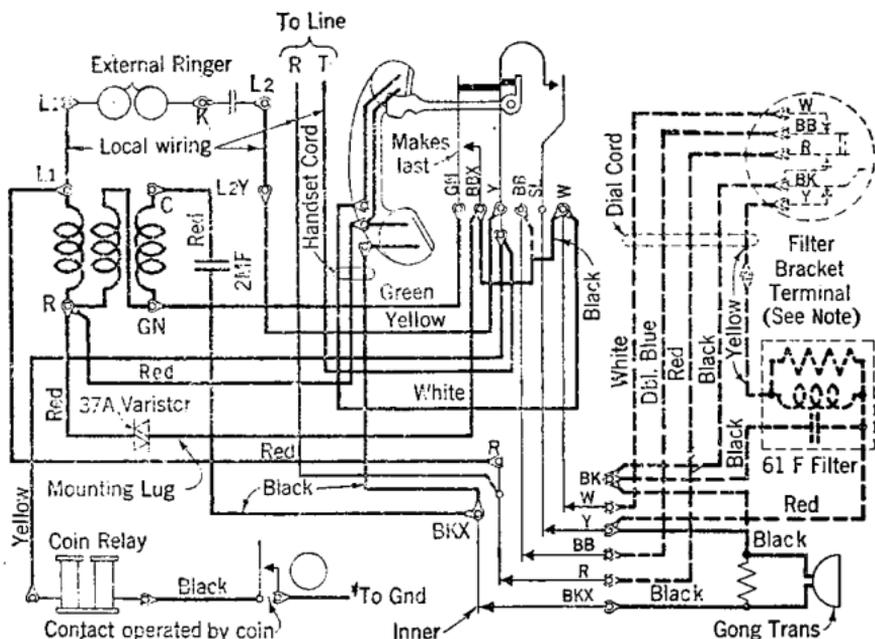
Fig. 6—D-98548 and D-99788 Coin Collectors—For Manual or Dial Anti-Sidetone Stations

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Note: If filter is not provided connect yellow lead from Y of dial to Y housing contact instead of to Filter Bracket Terminal.

Fig. 7—181-Type Coin Collectors—For Manual or Dial Anti-Sidetone Stations (101B Ind. Coil)



Note: If filter is not provided connect yellow lead from Y of dial to Y housing contact instead of to filter bracket terminal.

Fig. 8—181-Type Coin Collectors—For Manual or Dial Anti-Sidetone Stations (101A Ind. Coil)

3. LOCAL BATTERY TALKING, COMMON BATTERY SIGNALING STATIONS—CONNECTIONS

3.01 Prepayment coin collectors shall be used at local battery talking, common battery signaling stations only when satisfactory relay operation can be assured. **The 634YD subscriber set is recommended for new installations unless otherwise specified on the service order or other local instructions. Fig. 12 is shown for maintenance use only. Note that Fig. 10 requires a readjustment of the switchhook contact springs and that Figs. 10 and 11 require some wiring changes in the coin collector.**

3.02 When coin collectors are equipped with L_1 terminals the line wires (Tip and Ring) shall be connected directly to the coin collectors as indicated in Fig. 9 instead of to the subscriber sets as shown in Figs. 10, 11 and 12, unless local instructions state otherwise. Other connections are the same as shown in Figs. 10, 11 and 12.

3.03 The coin collectors shown in Figs. 10 and 11 may be used with 634Y or 634YD sets. If the coin collector used has a 706A receiver or a 37A varistor, the 634YD set should be used. When a 150G, 150H, 161A or 161B coin collector (shown in Fig. 10) is installed with a 634YD set, a 37A varistor shall be connected across the receiver terminals in the same manner as shown in Fig. 5, and when a 161C or 161D coin collector (shown in Fig. 11) is installed with a 634Y set, the varistor should be omitted. Fig. 10 shows the 634Y set with a 113D induction coil and Fig. 11 shows the 634YD set with a 104A induction coil. Either type of set may come equipped with either coil but the coils are not interchangeable in the field. The corresponding terminals of the two coils are as follows:

104A — L_1	RBK	C	A	SL	BL
113D — S	S_1	S_2	S_3	P	P

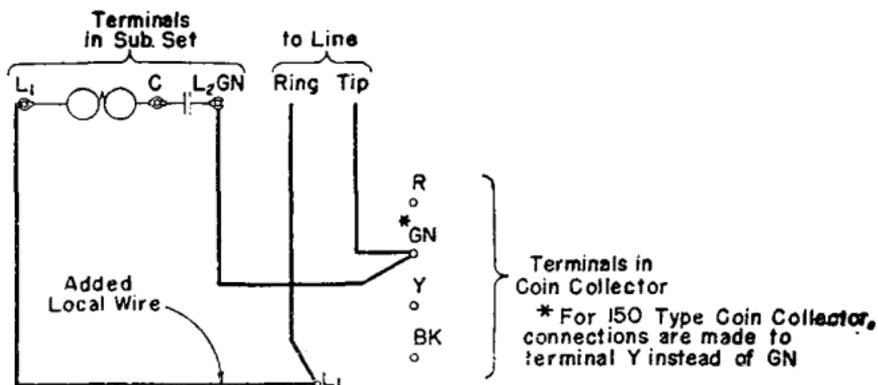
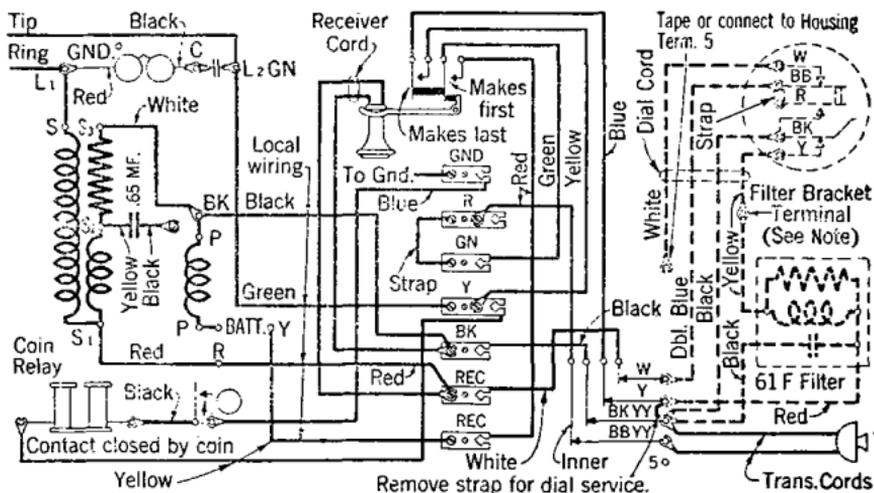


Fig. 9—50, 150 and 161-Type Coin Collectors Equipped with L₁ Terminal—(L.B.T.-C.B.S. Stations)

3.04 See Section C63.289 for data on battery feed filters.



Note : If filter is not provided connect yellow lead from Y of dial to Y housing contact spring instead of to filter bracket terminal.

**Fig. 10—150G or H and 161A or B Coin Collectors—
Shown with 634Y Subscriber Set—For
Manual or Dial Anti-Sidetone Stations**

