

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C52.103
Issue 1, 11-9-33
Standard

COIN COLLECTORS

50 AND 150 TYPES

CONVERSIONS

1. GENERAL

1.01 This section covers the work items required to change the operation of 50 and 150 type coin collectors from a manual to a dial basis or from a postpayment to a prepayment basis.

1.02 Reference shall be made to the other sections in Division C50 for information covering description and operation, installation, connections, and test and adjustments of 50 and 150 types as required to supplement the instructions given in this section.

1.03 The instructions regarding prepayment coin collectors given in this section are based on the assumption that 100 volts positive battery will be used to collect coins and that 110 volts negative battery will be used to refund coins. This is generally the case but in some central office districts the reverse of this arrangement is employed. In these cases it will be necessary to reverse the coin relay by connecting the yellow wire to the right-hand relay coil and the black wire to the left-hand relay coil in order to obtain proper operation.

2. PREPAYMENT MANUAL TO PREPAYMENT DIAL CONVERSIONS

2.01 When converting 50A or 50F coin collectors to 50G or 50H coin collectors for dial operation, proceed as follows:

- (1) Remove the upper housing.
- (2) Disconnect the white wire at the inner switchhook terminal and at the lower "REC" terminal on the connecting block.

- (3) Disconnect the yellow wire at the outer switchhook terminal.
 - (4) Disconnect the clip of the yellow wire at the "Y" terminal on the connecting block.
 - (5) Unlace the cable form, take out the white wire and remove the spring assembly that makes contact with the upper housing contact springs.
 - (6) Install a new contact spring assembly D-22990 which is furnished with the wires attached.
 - (7) Solder the wires from the spring assembly to terminals as follows:
 - Black wire to outer terminal of the switchhook.
 - Blue wire to inner terminal of the switchhook.
 - White wire to the lower "REC" terminal on the connecting block.
 - (8) Connect yellow wire clip to "Y" terminal on the connecting block.
 - (9) Place wires in the cable form and lace up the form.
 - (10) Replace the circuit label.
 - (11) Place an upper housing equipped with a dial and a No. 1B card holder on the coin collector. Refer to Fig. 1 and associated note for further information regarding upper housings.
 - (12) Mount instruction card in the No. 1B card holder.
 - (13) Make tests for operation in accordance with sections in Division C60.
- 2.02 When changing 50G or 50H coin collectors from manual to dial operation proceed as follows:
- (1) Remove the upper housing.
 - (2) Remove coin chute and apparatus blank from upper housing.
 - (3) Remove wire connecting terminals "W" and "BB" in the upper housing and change the transmitter cord from terminal "Y" to the terminal designated "BK-YY." See Fig. 1 and associated note.

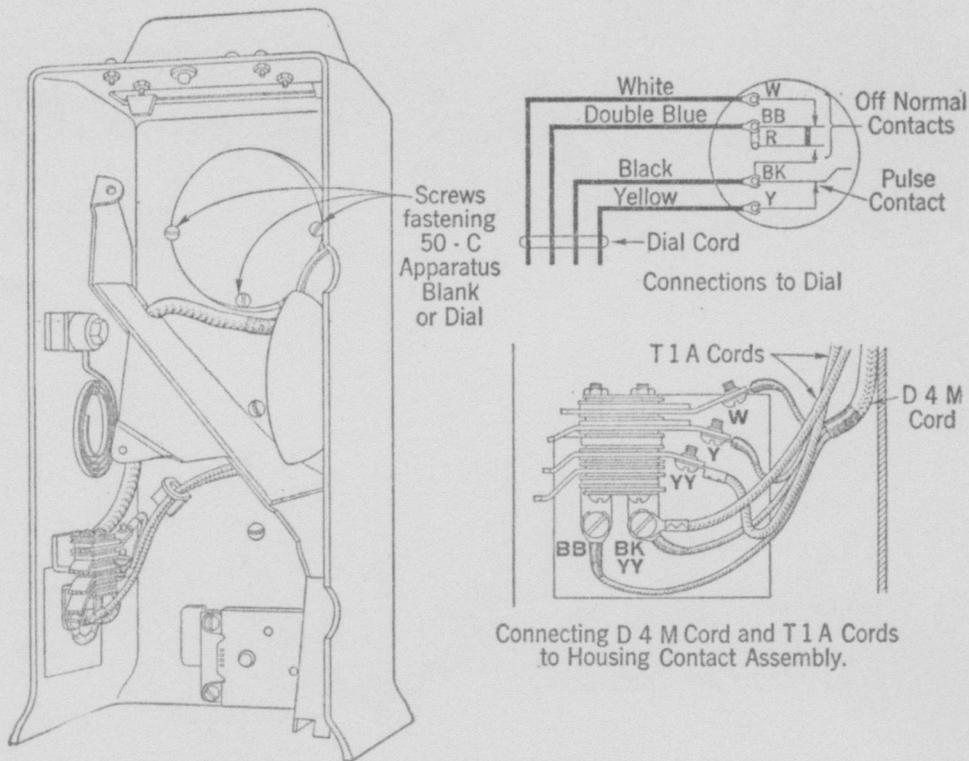


Fig. 1.

Note: The terminals designated W, Y, YY, BB and BK-YY in the above figure are designated W, Y, BK-YY, BB-YY and 5, respectively, in the upper housing for 150 type coin collectors. If the upper housing for a 150 type coin collector is used on a 50G or 50H coin collector wire to the terminals that correspond to those shown in Fig. 1.

- (4) Install a No. 1B card holder on the upper housing in accordance with the instructions given in the section in Division C52 covering the installation of 50 and 150 type coin collectors and place the proper instruction card in the card holder. In booths equipped with 153 type backboards the card holder can be installed on top of the backboard instead of on the upper housing. Follow local practices in this regard.
- (5) Install dial and dial cord. (If a 147 type number plate is to be used a No. 56A dial adapter is also required.)
- (6) Reinstall the coin chute.
- (7) Place the upper housing on the coin collector and make tests for operation in accordance with sections in Division C60.

2.03 To change a 150G or 150H coin collector from manual to dial operation proceed as covered in 2.02 except as regards item (3). Substitute the following instruction for item (3).

(3) Remove the wires strapping terminals "W and BB-YY" and terminals "Y and BK-YY" on the spring assembly in the upper housing.

3. POSTPAYMENT MANUAL TO PREPAYMENT MANUAL CONVERSIONS

3.01 When converting postpayment coin collectors for prepayment service it is necessary to have access to the coin compartment and arrangements for obtaining access should be made in accordance with local instructions before undertaking the work. Having access to the coin compartment proceed as follows :

- (1) Remove the upper housing.
- (2) Remove the coin hopper shown in Fig. 2.

To remove hopper, remove these three screws.
In placing the prepayment coin hopper assembly use same three screws for fastening assembly to tray.
Fasten coin relay unit to tray with screws furnished with relay unit.

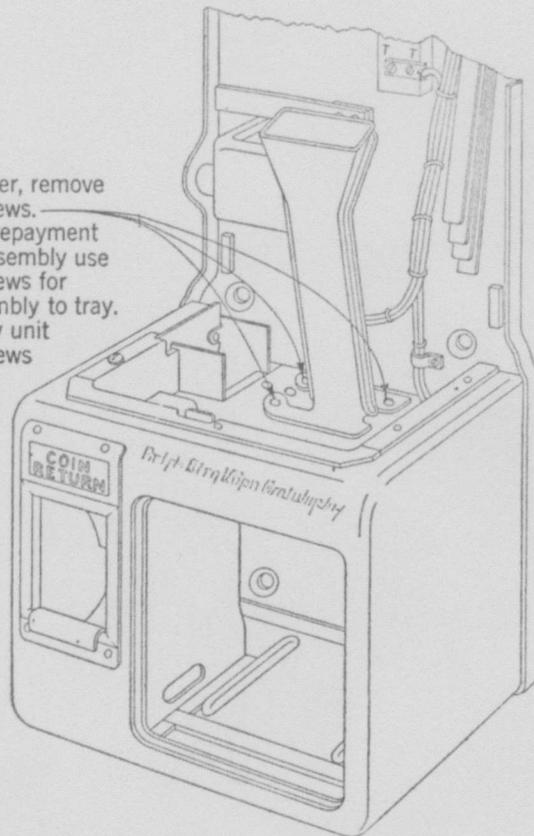


Fig. 2.

- (3) Install a prepayment coin hopper assembly and a coin relay.
- (4) Connect the coin relay leads as follows:
 - Blue wire from "GND" terminal on the connecting block to the outer ground contact spring on the relay.
 - Yellow wire from "Y" terminal on the connecting block to the terminal on the left-hand coil of the relay.
 - Black wire from inner ground contact spring on relay to right-hand coil of relay.
- (5) Change instruction card, and circuit label.
- (6) Place the upper housing on the coin collector and make operation tests in accordance with sections in Division C60.