

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C64.242
Issue 2, 8-2-51
AT&T Co Standard

PREPAYMENT COIN COLLECTORS

155, 166, 174, 176, 191 TYPES

L.B.T., C.B.S.—CONNECTIONS

1. GENERAL

1.01 This section covers the connections of coin collectors listed above for use at local battery talking, common battery signaling anti-sidetone stations on a ten cent initial charge basis. It is reissued to combine information previously contained in Sections C64.236, C64.242, C64.243, C64.252, and C64.253 into one section, to include a 25-mf condenser for noise reduction and to rate the section standard.

1.02 As the coin range of prepayment coin collectors at local battery talking, common battery signaling stations is dependent upon the type and arrangement of the central office equipment to which they are connected, these collectors should not be used at such stations without proper authorization in the form of a service order or other local instruction.

1.03 The connections for this service require some wiring changes in the coin collector and in the local wiring between the collector and the subscriber set from those of a standard common battery station and also from those of a five cent local battery station. The switchhook contact sequence is also changed from those of a standard common battery station. Therefore, the connection diagram given herein shall be followed closely. Coin collectors modified to this service shall be marked with the appropriate code number indicated on the connection diagram. Crayon, label, or equivalent in accordance with local instructions may be used.

1.04 The line wires need not terminate in the coin collectors as shown in the connection diagrams of the 155, 174, and 191-type coin collectors, but may terminate at the associated terminals in the subscriber sets, when desired by the Telephone Company. Line wires cannot be terminated in the 166 and 176-type coin collectors, because a terminal is not available to terminate the ring side of the line wires.

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

2. STANDARD CONNECTIONS—L.B.T., C.B.S.

2.01 The 634YD subscriber set is used with the standard coin collector which has been modified. The 634YD subscriber set may be equipped with either the 113D or 104A induction coil. 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

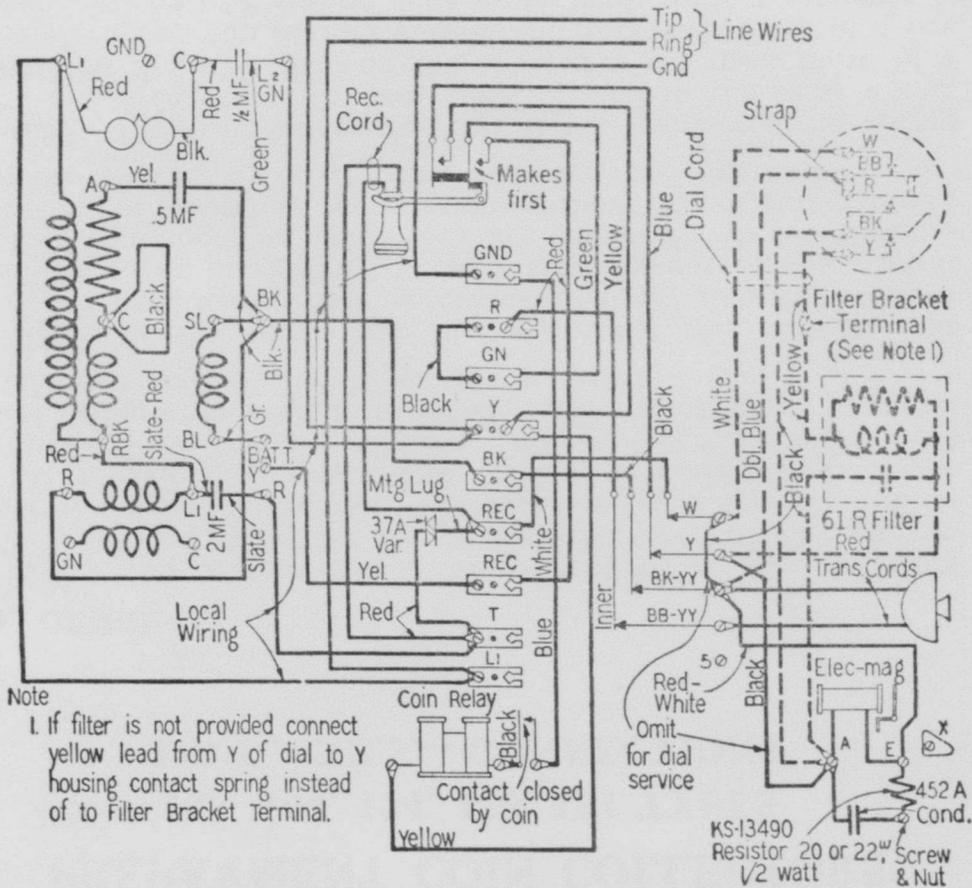


Fig. 1—155CL, EL, or GL Coin Collector

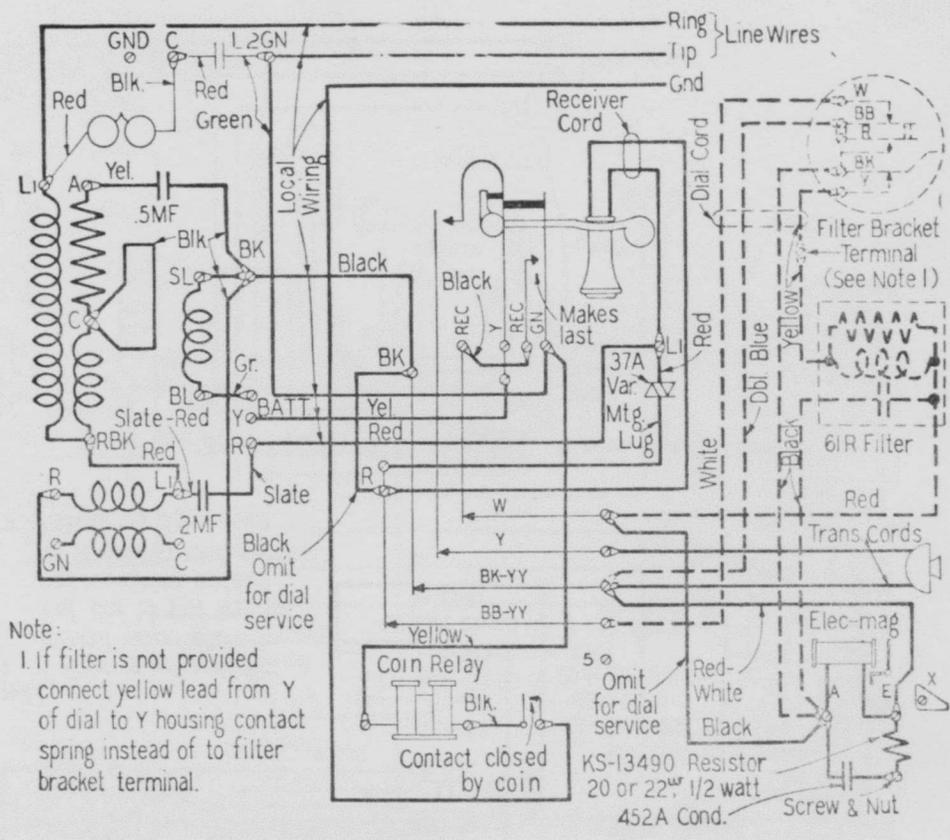


Fig. 2—166CL, EL, or GL Coin Collector

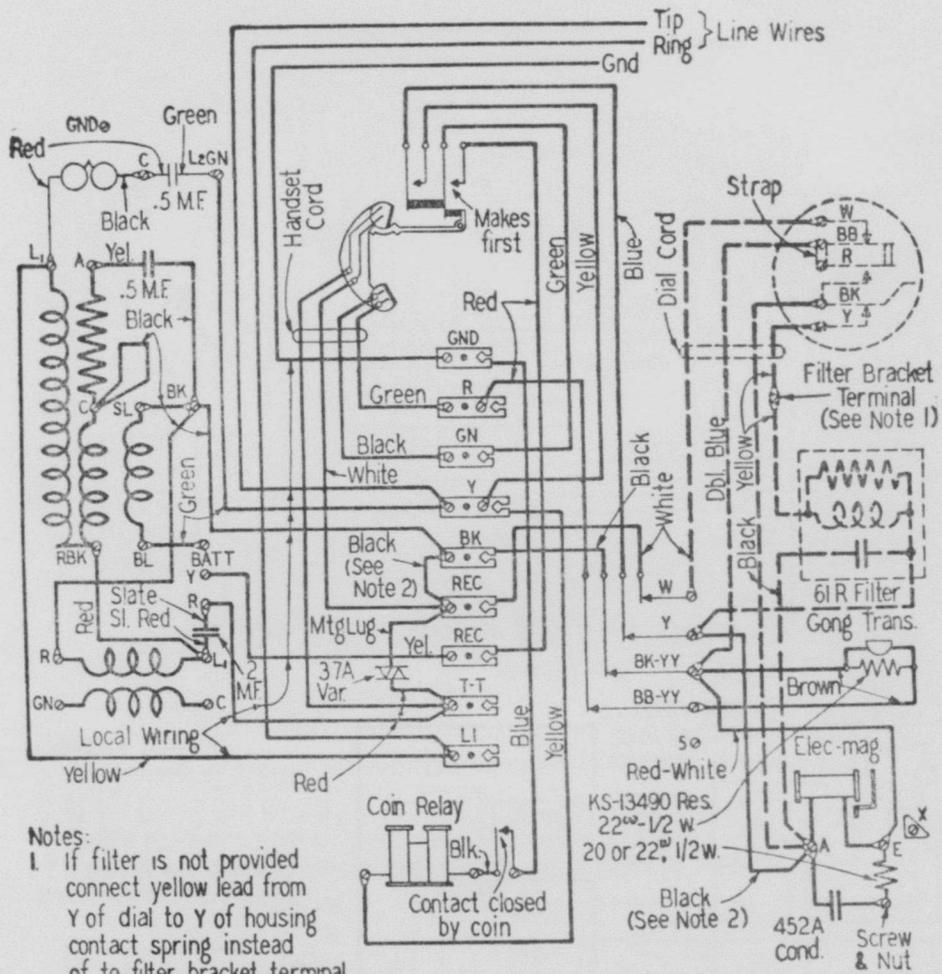


Fig. 3—174CL, EL, or GL Coin Collector

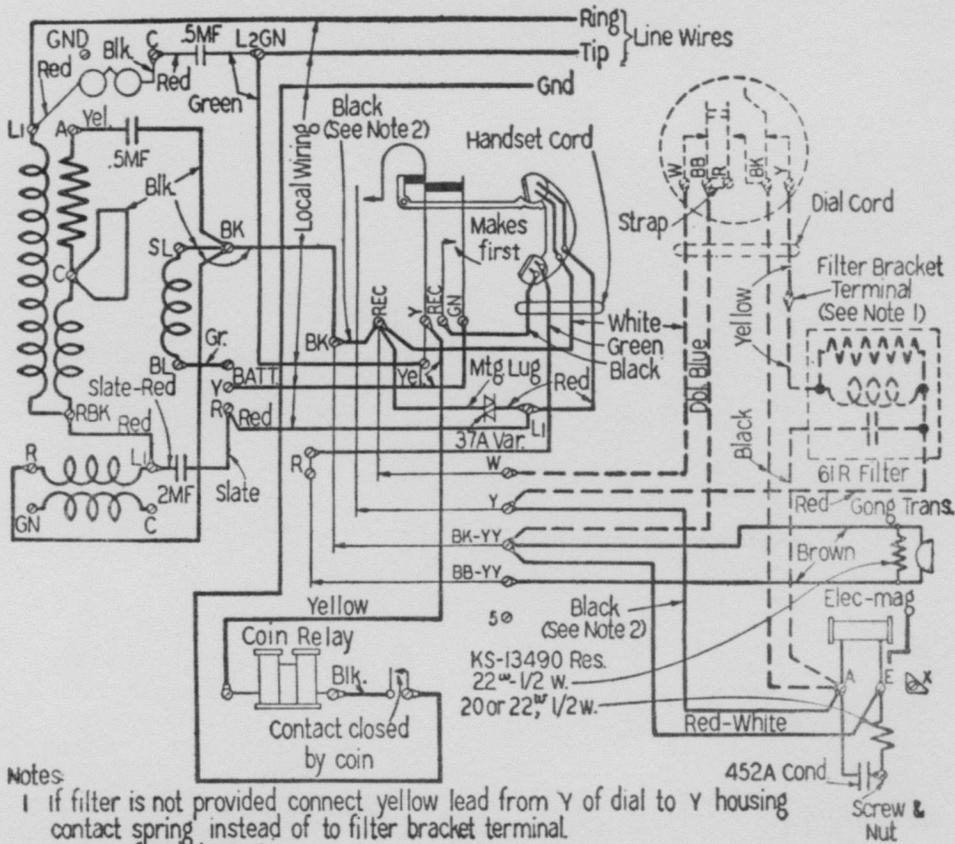


Fig. 4—176CL, EL, or GL Coin Collector

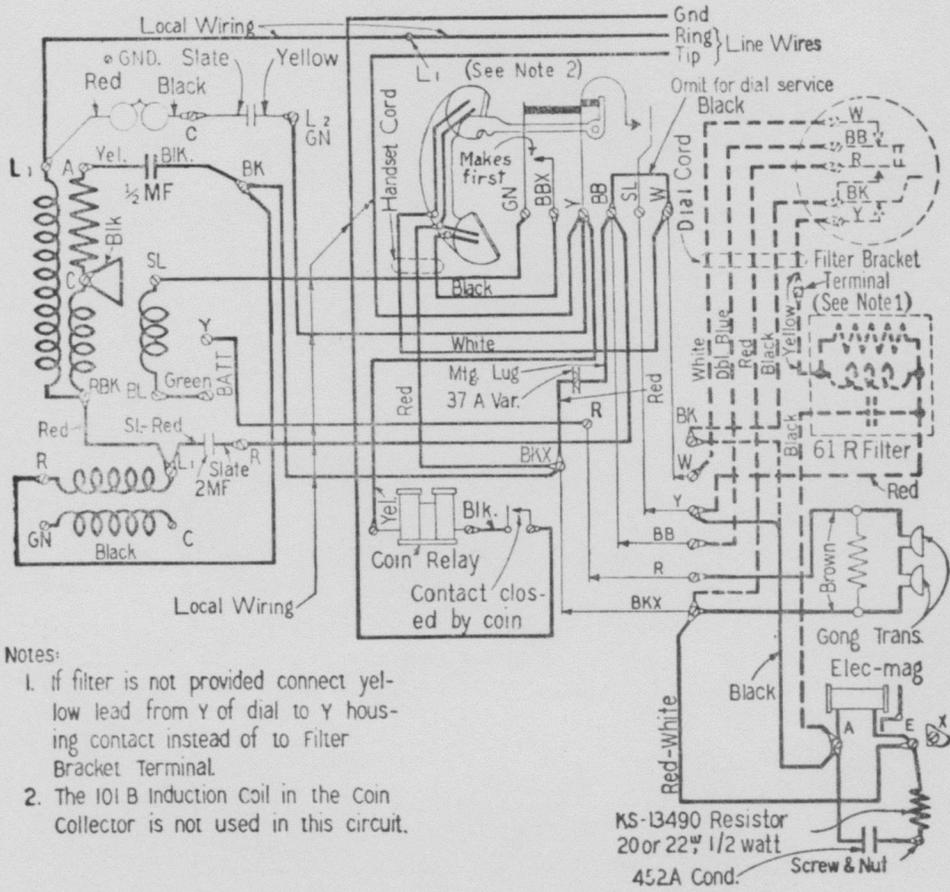


Fig. 5—191CL, EL, or GL Coin Collector

3. LONG LOOP CONNECTIONS—L.B.T., C.B.S.

3.01 The 634YE subscriber set is used with the standard coin collector which has been modified. This station arrangement is intended for use on long loops where the loop resistance or ground potential makes it impractical to employ the standard connections as shown in Paragraph 2.

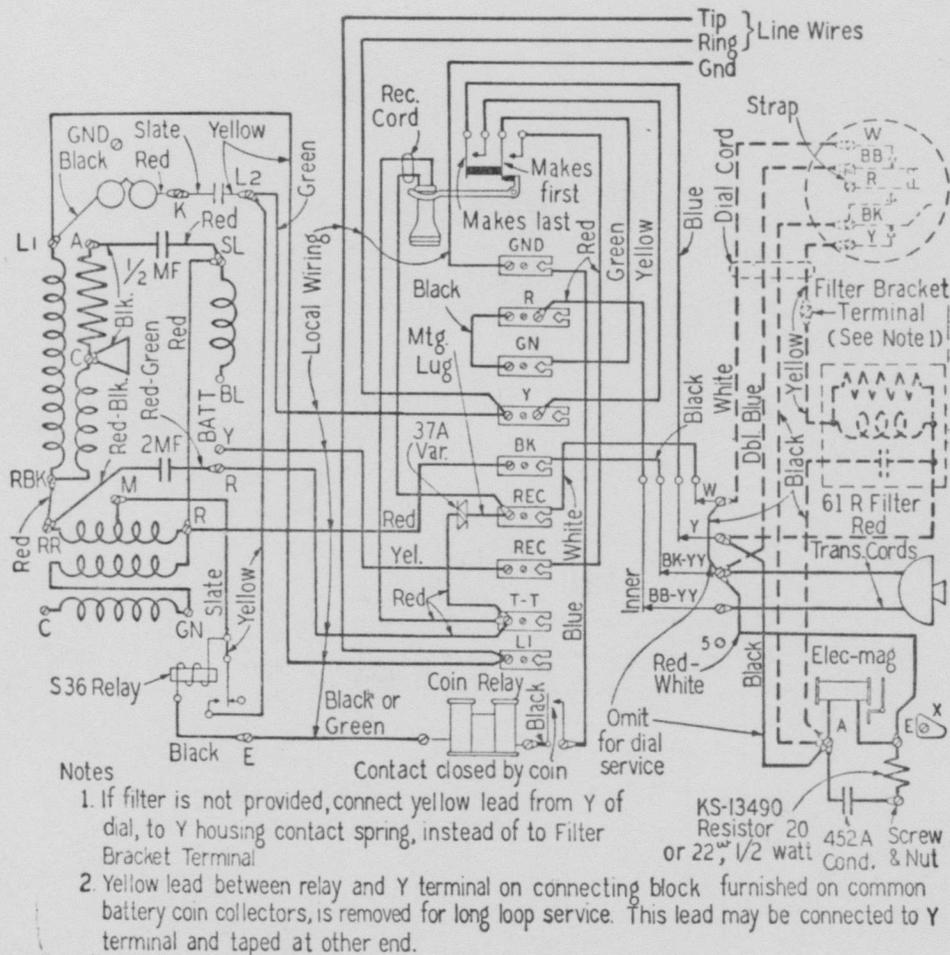


Fig. 6—155CL, EL, or GL Coin Collector

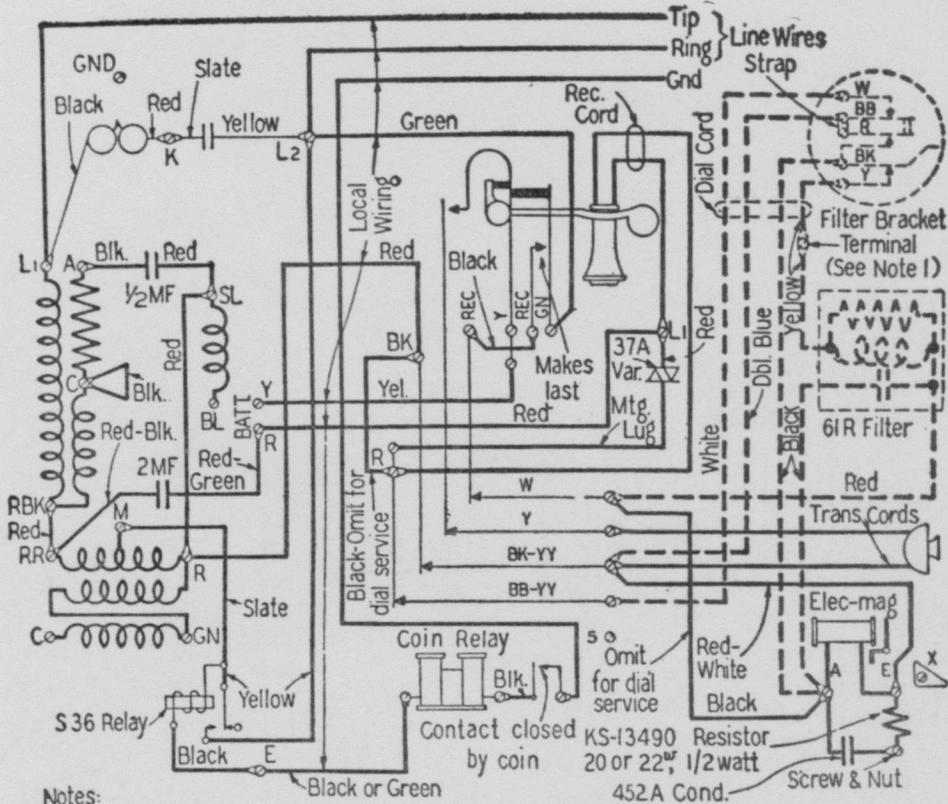


Fig. 7—166CL, EL, or GL Coin Collector

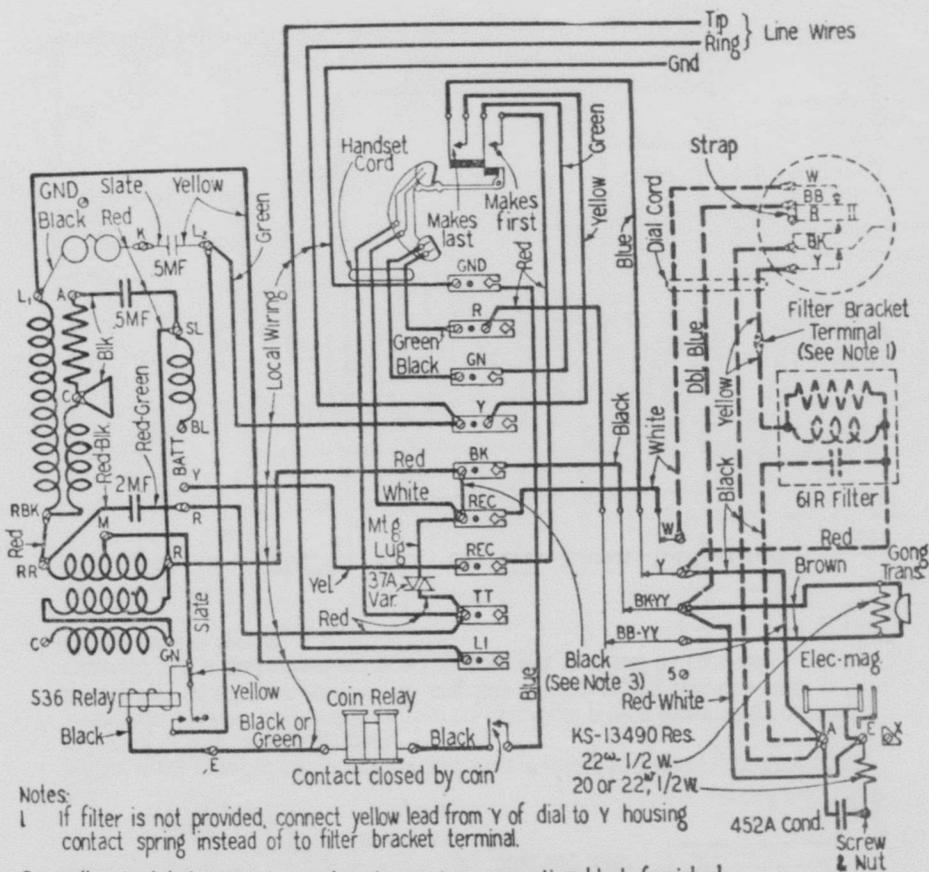
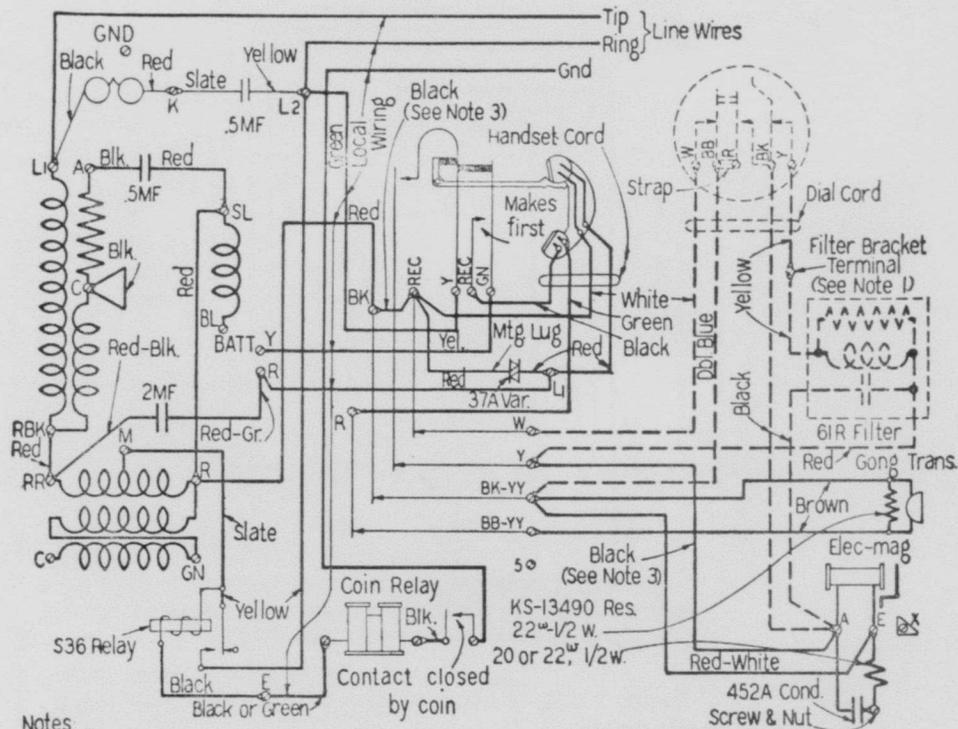


Fig. 8—174CL, EL, or GL Coin Collector



Notes

1. If filter is not provided connect yellow lead from Y of dial to Y housing contact spring instead of to filter bracket terminal.
2. Yellow lead between relay and Y terminal on switchhook pile-up, furnished on common battery coin collectors, is not used for long loop service. If this lead has been connected to Y or GN terminal and taped at other end, it should be removed.
3. Remove for dial service.

Fig. 9—176CL, EL, or GL Coin Collector

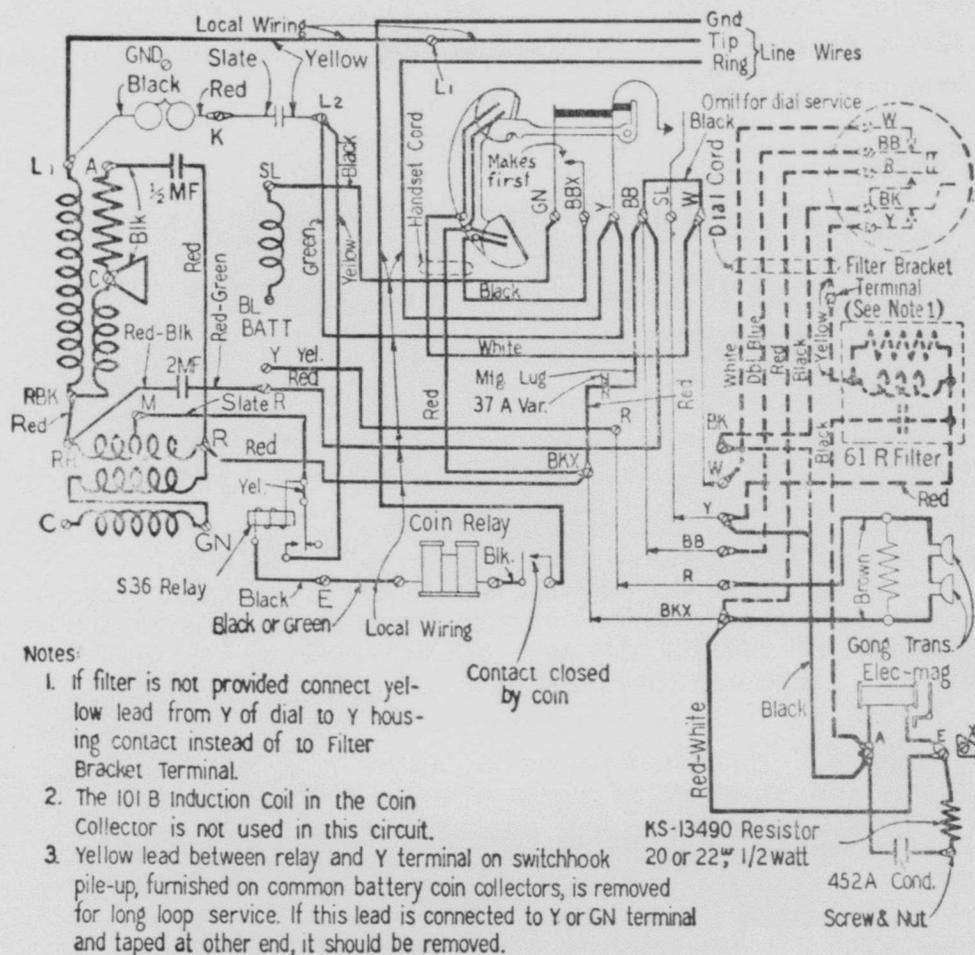


Fig. 10—191CL, EL, or GL Coin Collector

Adjustment of Relay.

3.02 The subscriber set contains an S36 relay that operates to connect the tip and ring of the line together at the station whenever coin current is applied to the line.

3.03 This subscriber set is furnished with the S36 relay properly adjusted, and it should not ordinarily require adjustment at the time of installation. However, in some cases, this adjustment changes somewhat. If the relay fails to operate satisfactorily, it should be readjusted or the subscriber set

should be replaced. A 35C test set or the equivalent may be used to readjust the relay in accordance with following data:

Test Set Preparation—Battery and Ground.

Test Clip Data—Connect Battery to M—Connect Ground to E.

Direct Current Flow Requirements

Operate—Test 47.0 M.A.—Readjust 44.5 M.A.

Non-operate—Test 37.5 M.A.—Readjust 39.5 M.A.

Note: **For Operate Requirements**, slowly increase currents to above values using a battery supply of not less than 3 volts.

4. NOISE REDUCTION

4.01 At stations employing the 634YE subscriber set, noise reduction may be obtained by replacing the 452A condenser (4 mf) in the coin collector with a KS-14505 condenser (25 mf, electrolytic).

Note: The above condensers mount interchangeably.