

**BELL SYSTEM PRACTICES**  
**Station Installation and Maintenance**

**SECTION C64.234**  
**Issue 5, 8-1-45**  
**AT&T Co Standard**

**PREPAYMENT COIN COLLECTORS**  
**MULTI-SLOT TYPES**

**CONNECTIONS FOR LONG LOOPS AND FOR  
REDUCTION OF INDUCTIVE INTERFERENCE**

**1. GENERAL**

1.01 This section covers the connections for prepayment multi-slot coin collectors for the following conditions:

- (a) When used on long loops where the loop resistance or ground potential makes it impractical to employ the standard connections given in Section C64.231 or C64.232.
- (b) When used where inductive interference from power lines cannot readily be eliminated by other methods, so that it is impractical to employ standard connections.

1.02 The circuits given below would, of course, be similar with any other anti-sidetone prepayment coin collector.

A 50 type coin collector may be used with the common battery subscriber sets covered in Parts 3 and 5 in which case 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, or a condenser marked with the letter "L" on the end opposite the terminals, for these circuits. **The connections shown herein require some wiring changes in the coin collector.**

1.03 This section is reissued principally to include connections for the D-159603 and D-159604 coin collectors.

**2. ADJUSTMENT OF RELAY**

2.01 The 634CG, 634CH, D-157226 and 634YE subscriber sets contain a relay that operates to connect the tip and ring of the line together at the station whenever coin control current is applied to the line.

2.02 The coin range of this circuit is dependent upon the type and arrangement of the central office equipment to which it is connected and it should not, therefore, be used

without proper authorization in the form of a service order or other local instruction.

2.03 These subscriber sets are furnished with the S36 relay properly adjusted and it should not ordinarily require adjustment at the time of installation. If it fails to operate satisfactorily it should be readjusted, using a 35C test set or the equivalent in accordance with the following data.

**Test Set Preparation—Battery and Ground.**

**Test Clip Data—**Connect Battery to M in case of 634 type sets, L2Y in case of D-157226 set. Connect Ground to E.

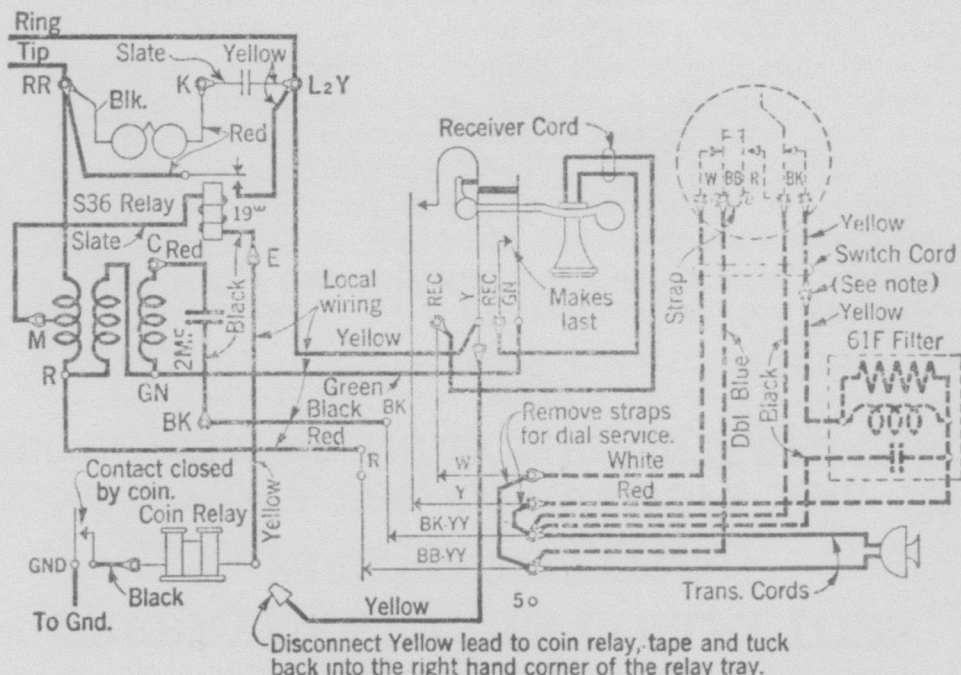
**Direct Current Flow Requirements**

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

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

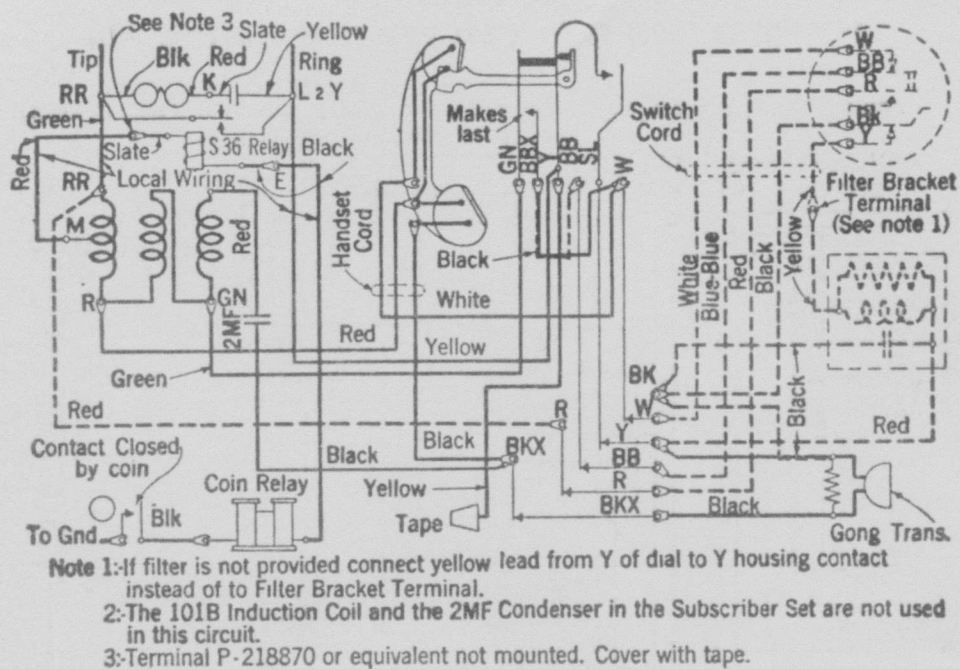
Note: **For Operate Requirements** slowly increase currents to above values using a battery supply of not less than 3 volts.

### 3. CONNECTIONS FOR LONG LOOPS—COMMON BATTERY

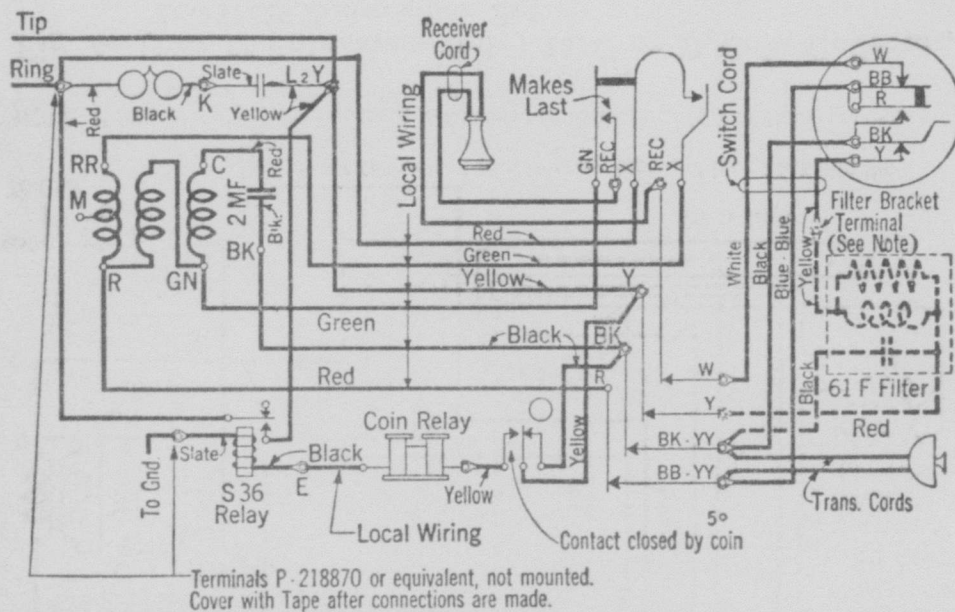


NOTE: If filter is not provided connect Yellow lead from Y of dial to Y of housing contact spring instead of to filter bracket terminal.

**Fig. 1—161C or D Coin Collector, 634CG or CH Subscriber Set**



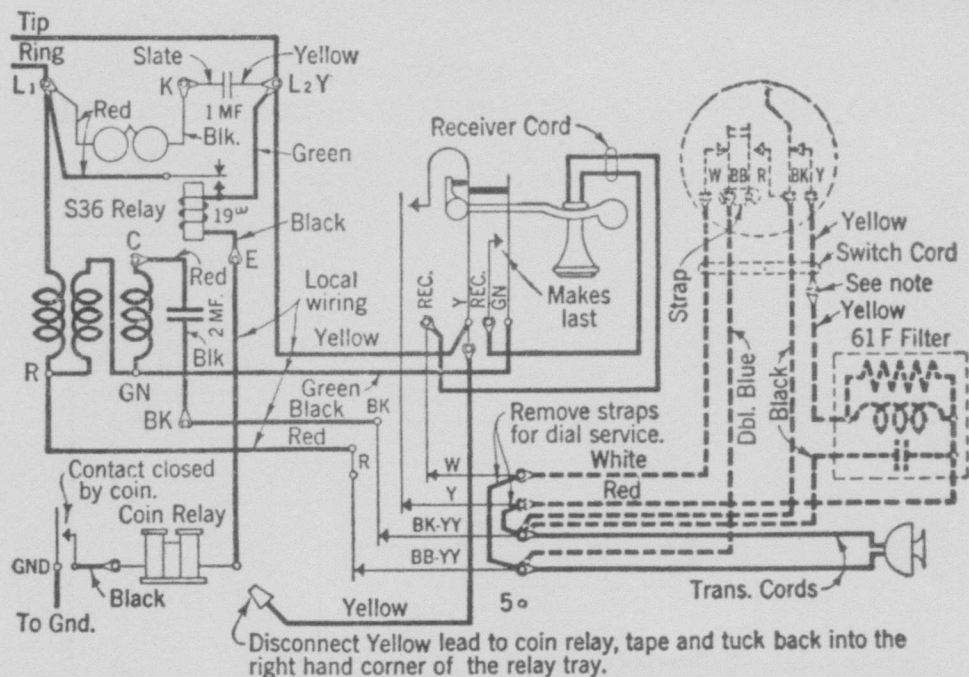
**Fig. 2—181 Type Coin Collector—Induction Coil and 2 mf. Condenser of 634CG or CH Subscriber Set Dis-connected**



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

**Fig. 3—D-159603 or D-159604 Coin Collector—634 CG or CH Subscriber Set**

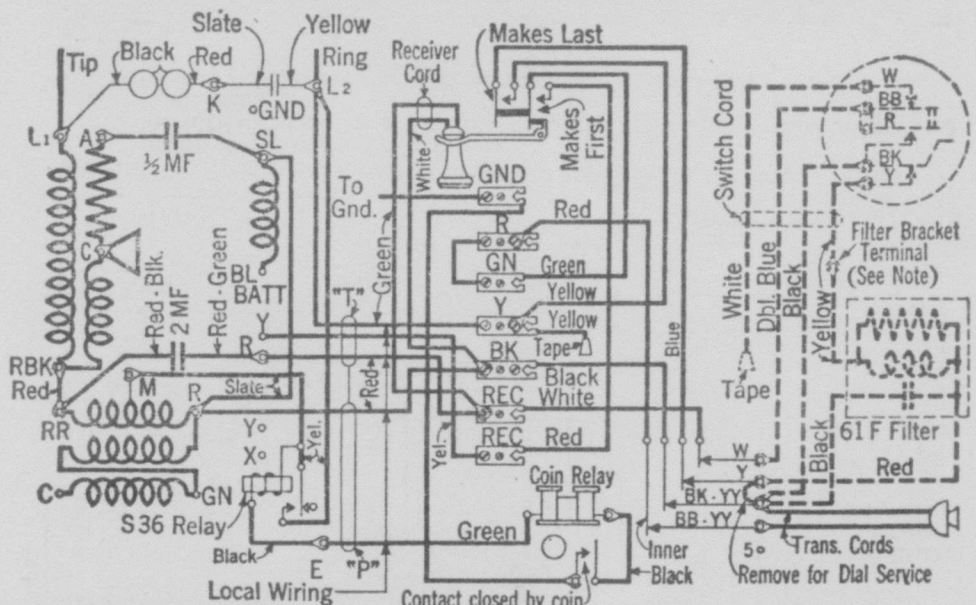




NOTE: If filter is not provided connect Yellow lead from Y of dial to Y of housing contact spring instead of to filter bracket terminal.

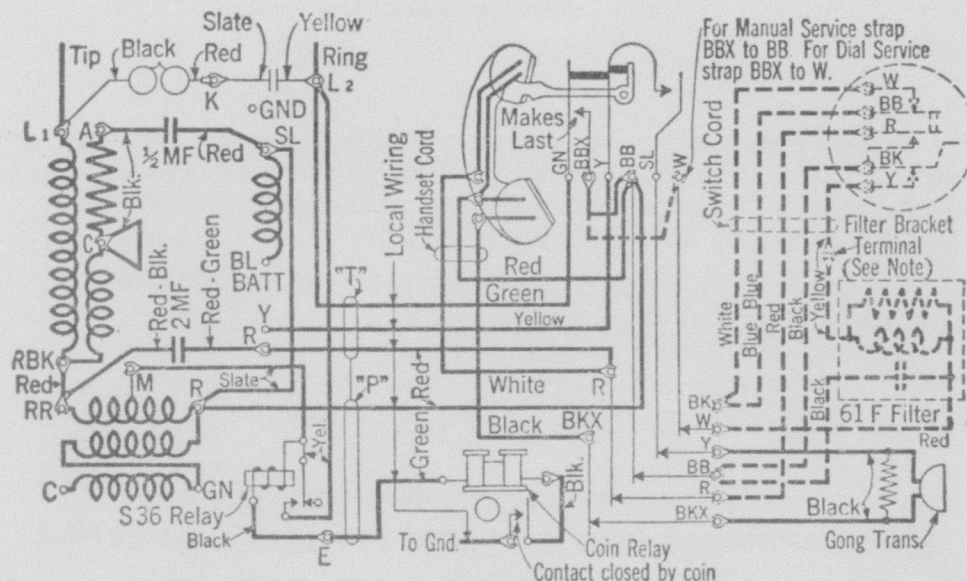
**Fig. 4—(For Maintenance Only) 161C or D Coin Collector, D-157226 Subscriber Set**

#### 4. CONNECTIONS FOR LONG LOOPS—LOCAL BATTERY TALKING, COMMON BATTERY SIGNALING



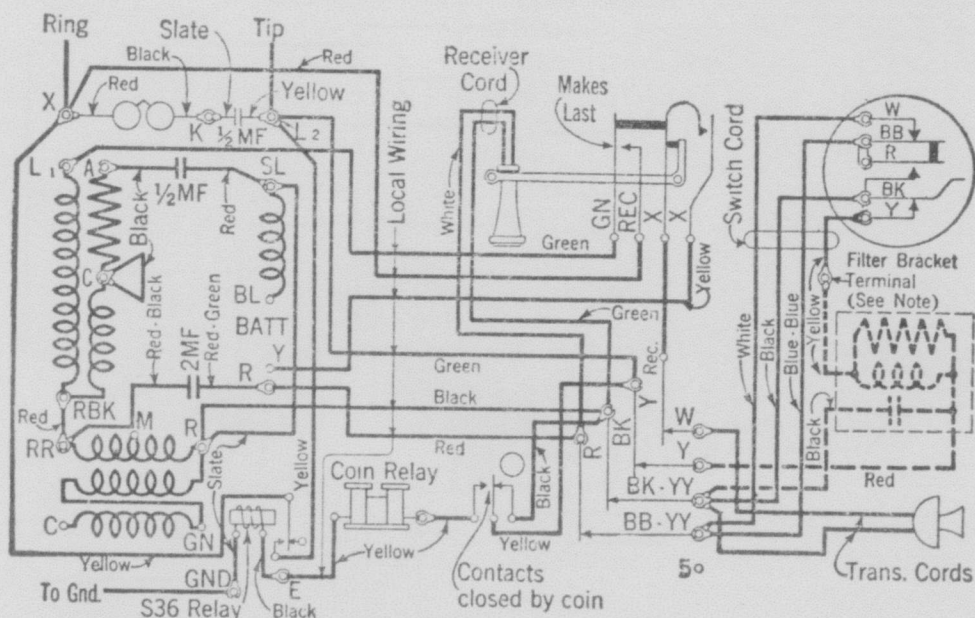
Note: If filter is not provided, connect yellow lead from Y of dial to Y housing contact instead of to Filter Bracket Terminal.

**Fig. 5—150G or H and 161A or B Coin Collectors—634YE Subscriber Set**



- Note 1:- If filter is not provided, connect yellow lead from Y of dial to W housing contact instead of to Filter Bracket Terminal.
- 2:- The 101 B Induction Coil in the Coin Collector is not used in this circuit.

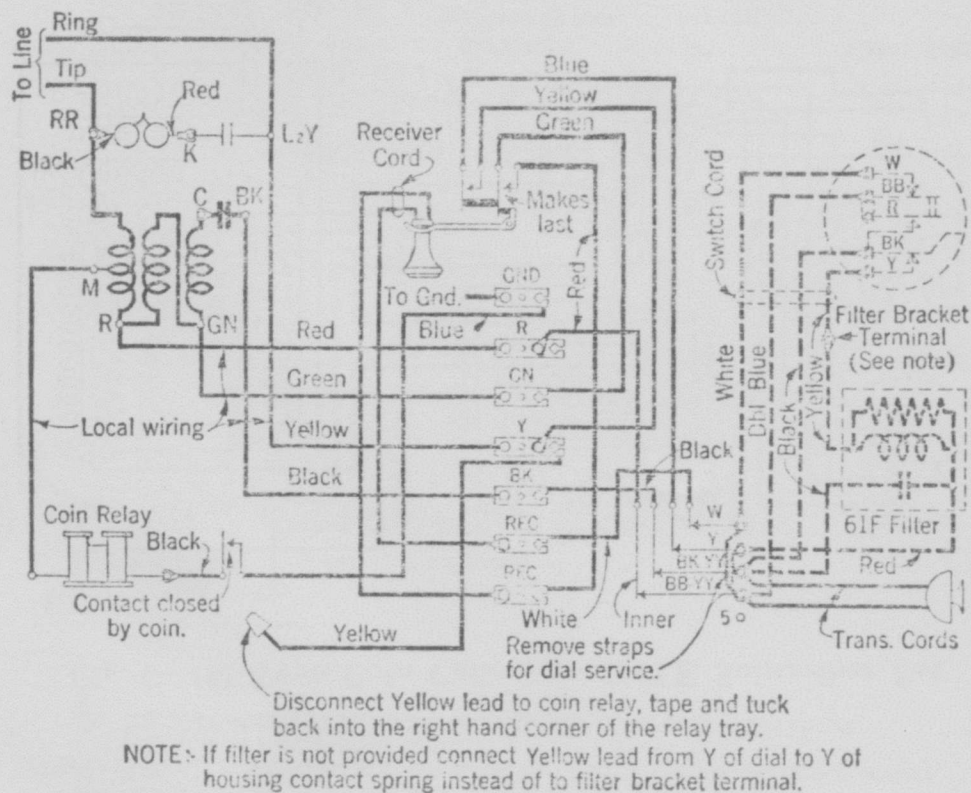
**Fig. 6—181 Type Coin Collector—634YE Subscriber Set**



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. 7—D-159603 or D-159604 Coin Collector—634YE Subscriber Set**

## 5. CONNECTIONS FOR REDUCTION OF INDUCTIVE INTERFERENCE



**Fig. 8—150G or H and 161A or B Coin Collectors—634CK or CL, 684CK or CL Subscriber Set**

Note: A limited number of D-99472 and D-99473 subscriber sets has been installed for this service. These sets are essentially the same as above, except that the D-99473 set is equipped with a B2A ringer with the slate and slate-red leads short-circuited.

5.01 When a hand set type coin collector is desired for this service, a 181 type coin collector having a 101B induction coil may be used. Connections for this coin collector used for this service are the same as given in Section C64.231.