

BELL SYSTEM PRACTICES
Station Installation and Maintenance

SECTION C64.244
Issue 1, 11-30-49
AT&T Co Provisional

MULTI-SLOT PREPAYMENT
COIN COLLECTORS
CONVERTED FOR 10¢ OPERATION
LONG LOOP AND INDUCTIVE INTERFERENCE
REDUCTION
COMMON BATTERY—CONNECTIONS

1. GENERAL

1.01 This section covers the connections for 155, 166 and 191-type coin collectors converted from the 150, 161 and 181-type coin collectors. The circuit diagrams shown herein are for anti-sidetone, common battery stations for the following conditions.

- (a) When used on long loops where loop resistance or ground potential makes it impractical to employ the standard connections given in Section C64.241.
- (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.

Note: The standard common battery 191-type coin collector with the 101B induction coil is wired for inductive interference reduction.

1.02 These station arrangements should be used only when covered on the service order or other local instruction. They 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 marked with the letter "L" on the end opposite the terminals or a 447AB condenser for these circuits. The connections shown herein require some wiring changes in the coin collectors.

1.03 In some cases due to limiting loop conditions, it may be necessary to provide local battery talking connections. This change should only be made when called for on the order. In such instances the coin collector will have to be modified and the connections made in accordance with Section C64.243.

1.04 The line wires need not terminate in the coin collectors as shown in the connection diagrams herein unless otherwise specified by the Telephone Company. They may terminate at the associated terminals in the subscriber sets.

2. ADJUSTMENT OF RELAY

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

2.02 As the coin range of these coin collectors is dependent upon the type and arrangement of the central office equipment to which they are connected, these coin collectors should not 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 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 the following data:

Test Set Preparation—Battery and Ground

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

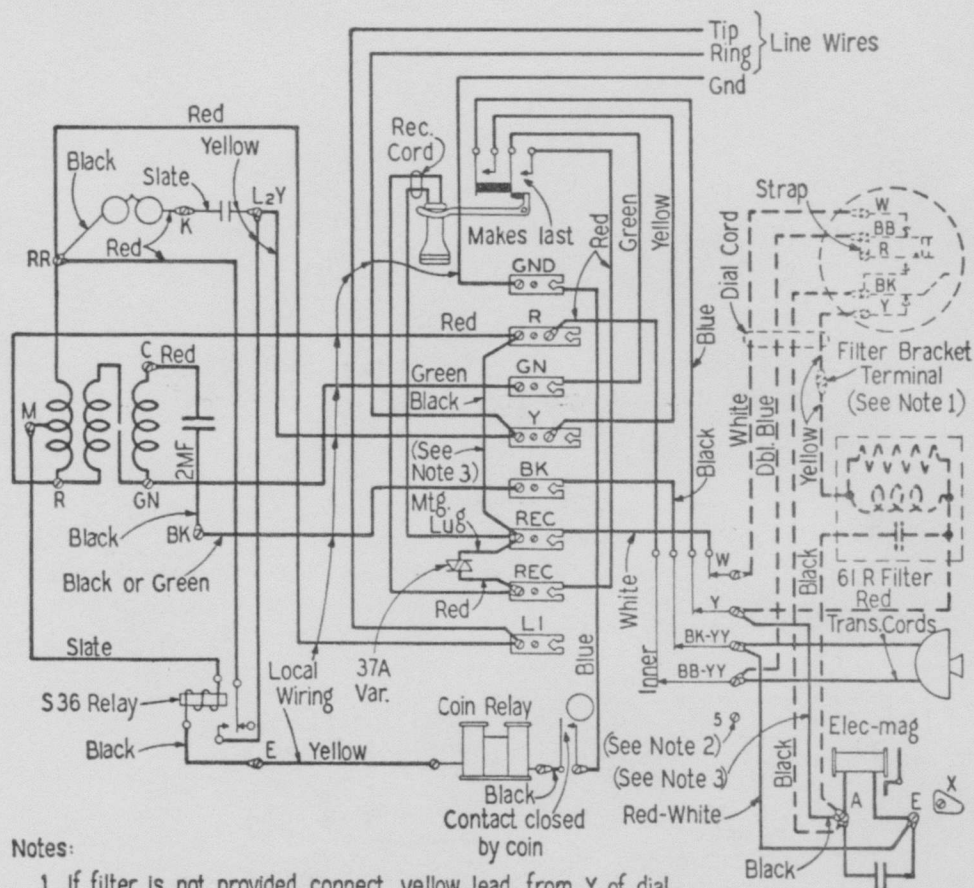
Direct Current Flow Requirements

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.

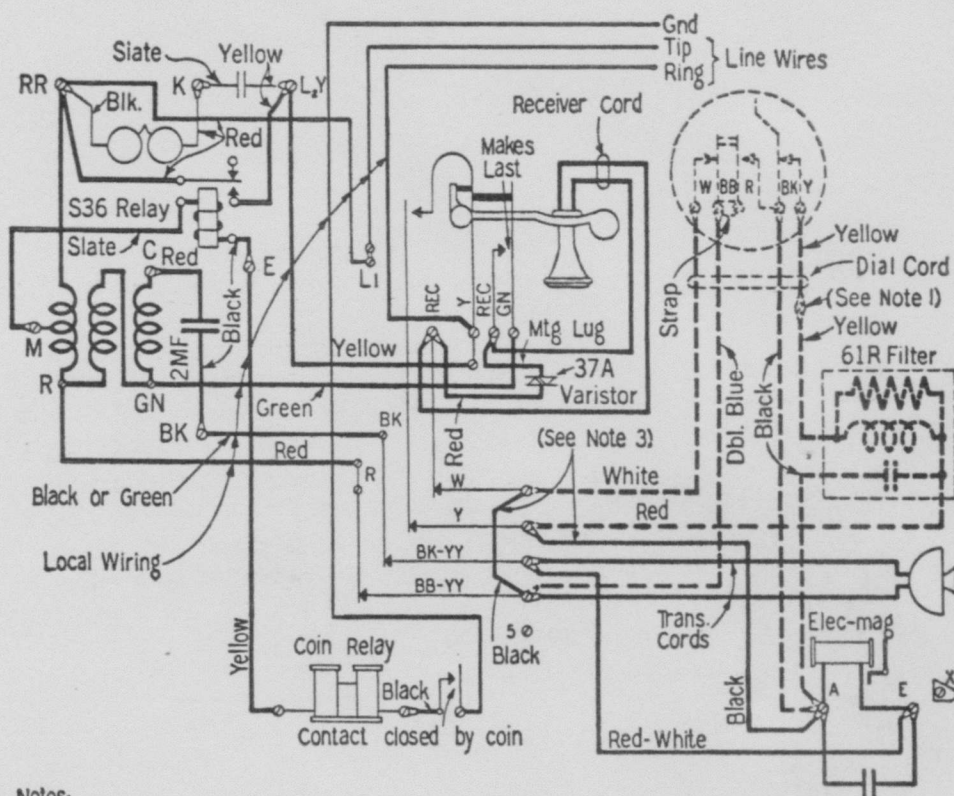
3. LONG LOOP COMMON BATTERY STATIONS— CONNECTIONS



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. (Terminal 5 not always furnished.) In some of the upper housings, these terminals are designated W, Y, YY, BB and BK-YY.
3. Remove straps for dial service.
4. Yellow lead between relay and Y terminal on connecting block furnished on common battery coin collectors, is removed for long loop service. This lead may be connected to Y terminal and taped at other end.

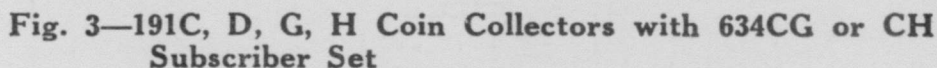
**Fig. 1—155C, D, G, H Coin Collectors with 634CG or CH
Subscriber Set**



Notes:

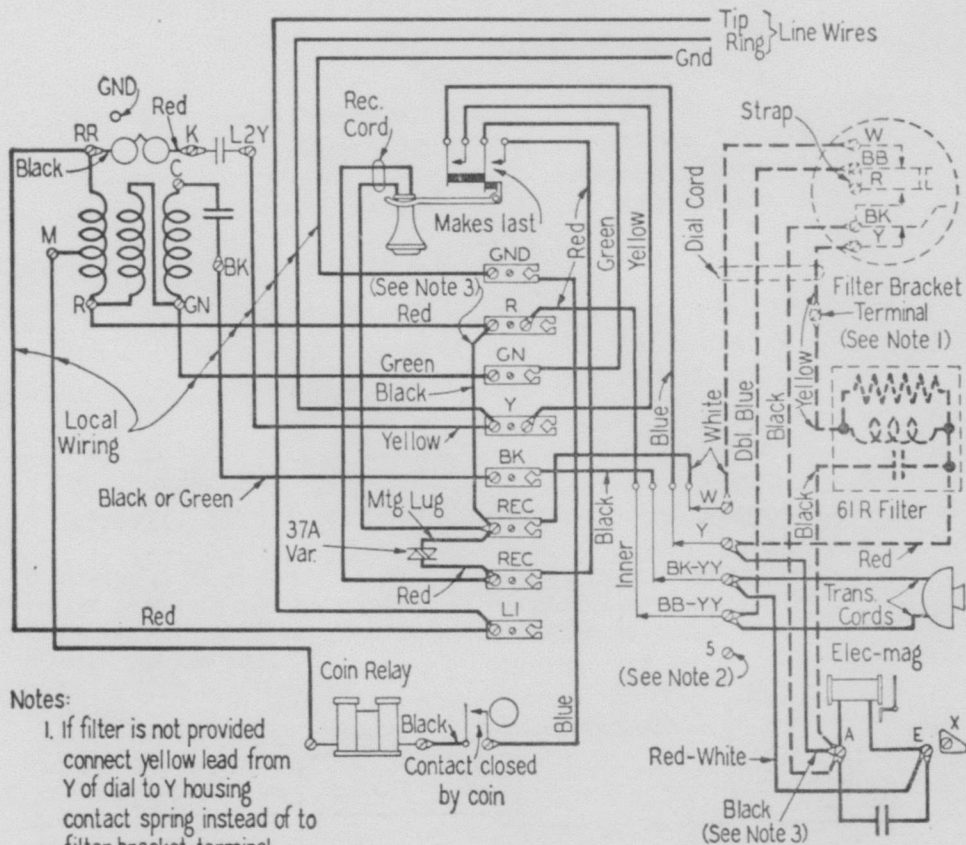
1. If filter is not provided connect Yellow lead from Y of dial to Y of housing contact spring instead of to filter bracket terminal.
2. Yellow lead between relay and Y terminal on switchhook pile-up, furnished on common battery coin collectors, is removed for long loop service. If this lead is connected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

Fig. 2—166C, D, G, H Coin Collectors with 634CG or CH Subscriber Set



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4. INDUCTIVE INTERFERENCE REDUCTION—COMMON BATTERY—CONNECTIONS



**Fig. 4—155C, D, G, H Coin Collectors with 634CK or CL
Subscriber Set**