

TELEPHONE SETS — 357A, C

LOCAL BATTERY — CONNECTIONS

1.00 INTRODUCTION

1.01 This section covers the combination of apparatus, circuit diagram, and connections for the 357A and C telephone sets.

1.02 These sets are used for the following services:

- Individual lines.
- PBX stations.
- 2-party message rate (manual and ring party dial).
- 2-party flat rate.
- 4-party semiselective.
- Multiparty divided code.
- Multiparty nonselective.

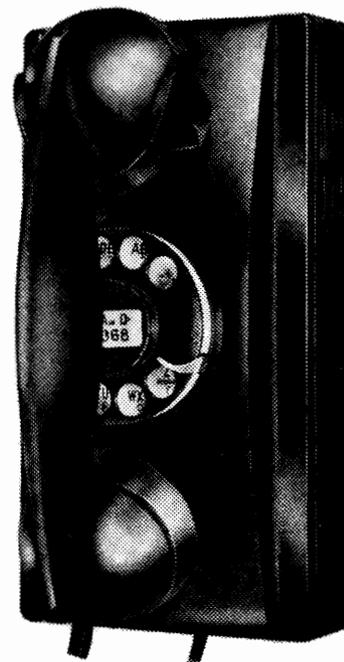


FIG. 1—357 TYPE

TABLE A
COMBINATION OF APPARATUS

Tel. Set Code	Use	Components							
		Handset	Dial	Apparatus Blank	Induction Coil	Ringer	Capacitor	Inductor	Filter (Optional)
357A	Manual	F1	—	94A	104A	B1AL	387A	266A	—
357C	Dial		5H or 6A	—					61E

TABLE B
LINE AND RINGER CONNECTIONS

Wire or Lead		Individual or Bridged	Ring Party Positions 1, 3, 5, 7, 9	Tip Party Positions 2, 4, 6, 8, 10
Line Wire in Set	R	L1	L2Y	L1
	GN	L2Y	L1	L2Y
	Y	GND	GND	GND
Local Battery Wire in Set	R	BL	BL	BL
	GN	BK	BK	BK
Ringer Lead	R	L1	K	GND
	BK	K	GND	K

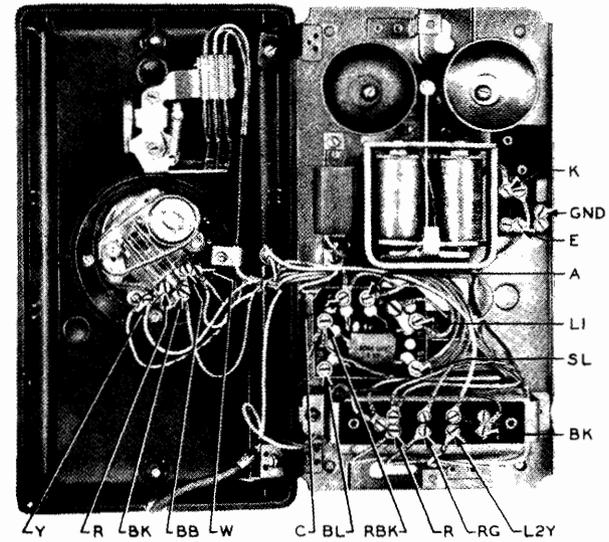


FIG. 2—357C

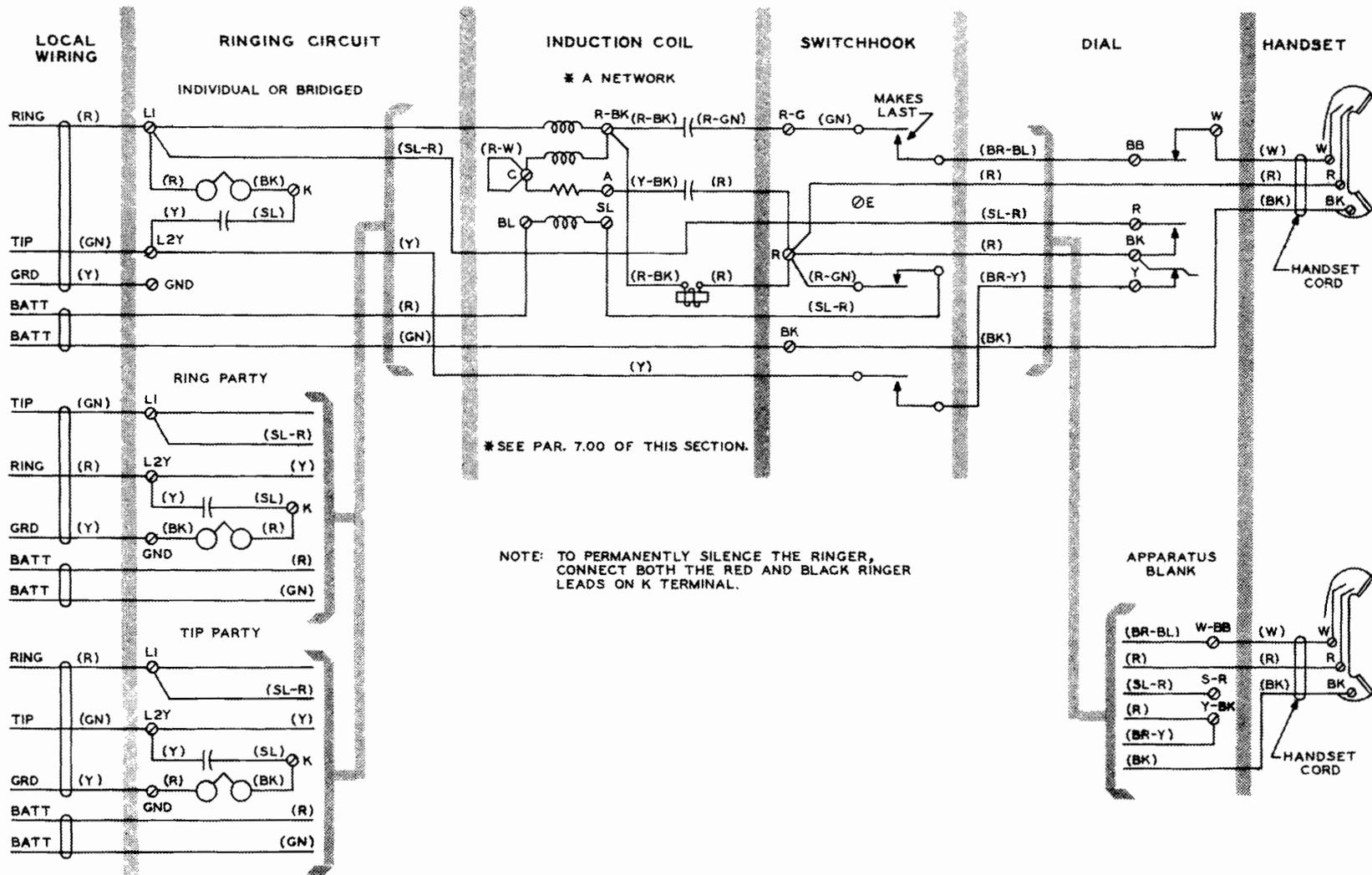
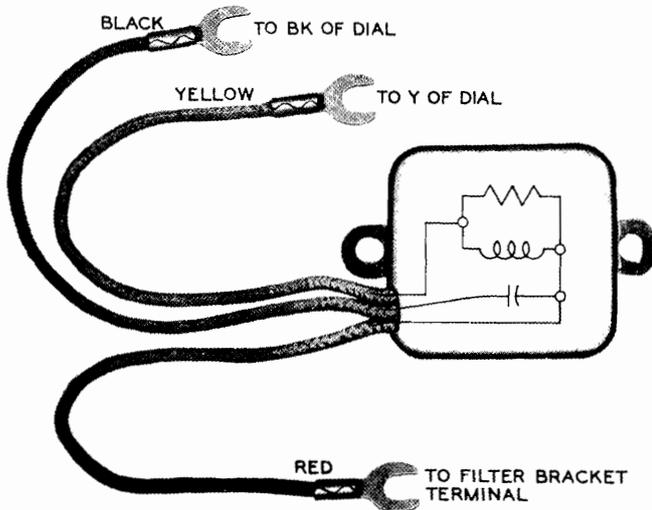


FIG. 3—357A, C CIRCUIT DIAGRAM

3.00 RADIO-FREQUENCY SUPPRESSION FILTER



Note: Remove brown-yellow lead from Y of dial and terminate it on the filter bracket terminal.

FIG. 4—61E FILTER (WITHOUT BRACKET)

4.00 COMMON SOURCE OF BATTERY

4.01 Where the transmitter battery for more than one local battery talking station is obtained from a common source of supply, such as battery feed from the central office, changes in Fig. 3 must be made as indicated below:

- Replace handset with an F2 handset.
- Connect the green conductor of the F2 handset to terminal SL. Connect the slate-red and red-green leads from the switchhook to terminals BL and E.
- Connect the battery leads to terminals BK and E.
- Connect the red, black, and white conductors of the F2 handset in the same way as in Fig 3.

4.02 When a common source of battery is used, a battery feed filter must be used. For further information, see the section covering battery feed filters.

5.00 RINGERS

The ringers in these sets are of the high-impedance type. For information on the number and type of ringing bridges permitted on each line, reference should be made to the section covering ringer limitations.

6.00 INDUCTIVE NOISE

When inductive noise is encountered at tip party stations, connect the red lead from the 266A inductor to RBK, and the red-black lead to R.

7.00 BALANCING NETWORKS

7.01 Means are provided in the sets covered in this section whereby various networks may be connected in the induction coil balancing circuit to obtain satisfactory sidetone balance when the sets are used on the different types of subscriber loops employed in the plant.

7.02 Sets are normally furnished with the type A network as indicated in the circuit diagram. Necessary changes in the set to obtain other networks are indicated below:

Network B: Connect a KS-8058, 400-ohm, or KS-13490, List 2, 390-ohm resistor from A on induction coil to R on terminal strip. Connect red from capacitor to A on induction coil. The KS-8058 or KS-13490, List 2 resistor is not furnished as part of the set.

Network C: Connect yellow-black from capacitor to C on induction coil.

Network D: Connect yellow-black from capacitor to R on terminal strip. Connect red-white strap from C on induction coil to R on terminal strip.