

TELEPHONE SETS — 556A,B (TUBE SETS)
COMMON BATTERY — CONNECTIONS

1.00 INTRODUCTION

This section covers the combination of apparatus, circuit diagrams, and connections for the 556A and B telephone sets.



FIG. 1—556 TYPE

TABLE A
COMBINATION OF APPARATUS

Tel. Set Code	Use	Components					
		Dial	Apparatus Blank	Handset	Ringer	Network	Electron Tube
556A	Manual	—	95B	G1A	C4A	425B	426A
556B	Dial	7D	—				

TABLE B
LINE AND RINGER CONNECTIONS

Wire or Lead	Negative (−) Parties		Positive (+) Parties	
	Ring Positions 1 and 5	Tip Positions 2 and 6	Ring Positions 3 and 7	Tip Positions 4 and 8
Line Wire in Set	R	L1	L2	L1
	GN	L2	L1	L2
	Y	G	G	G
Ringer Lead	R	G	L2	L2
	BK	G	L2	L2
	SL	A	A	A
	SL-R	K	K	K
Tube Lead	R	G	L2	L2
	BK	K	K	K
	Y	L2	G	G

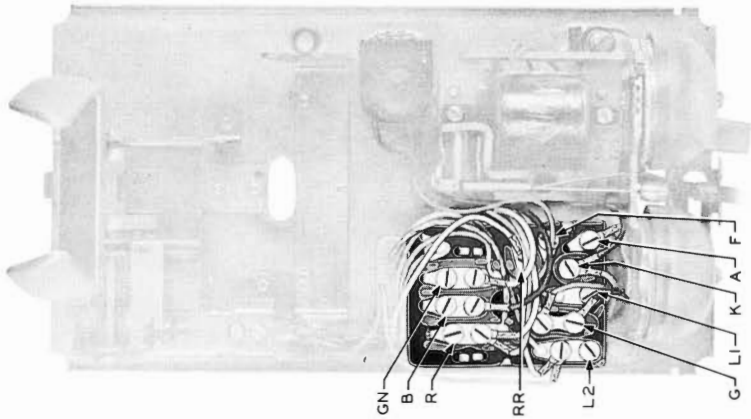
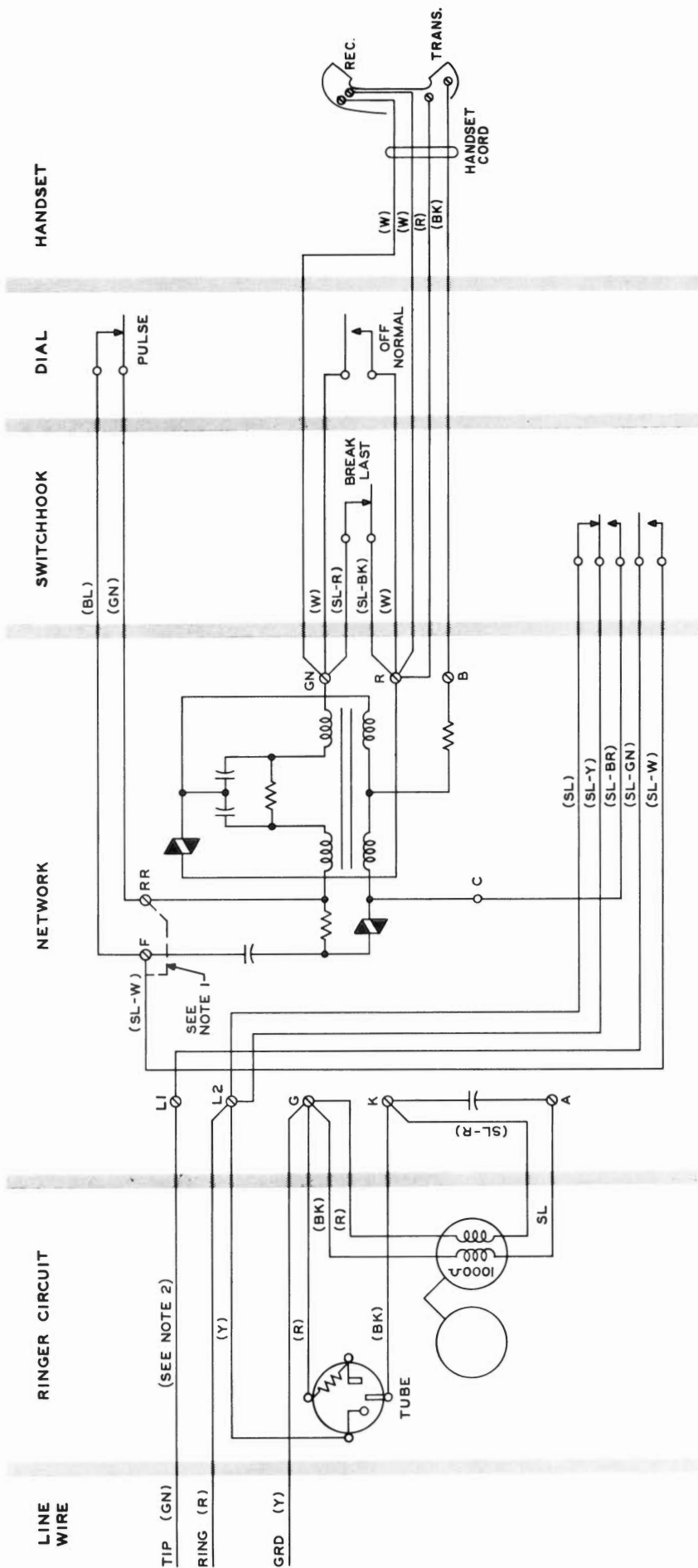
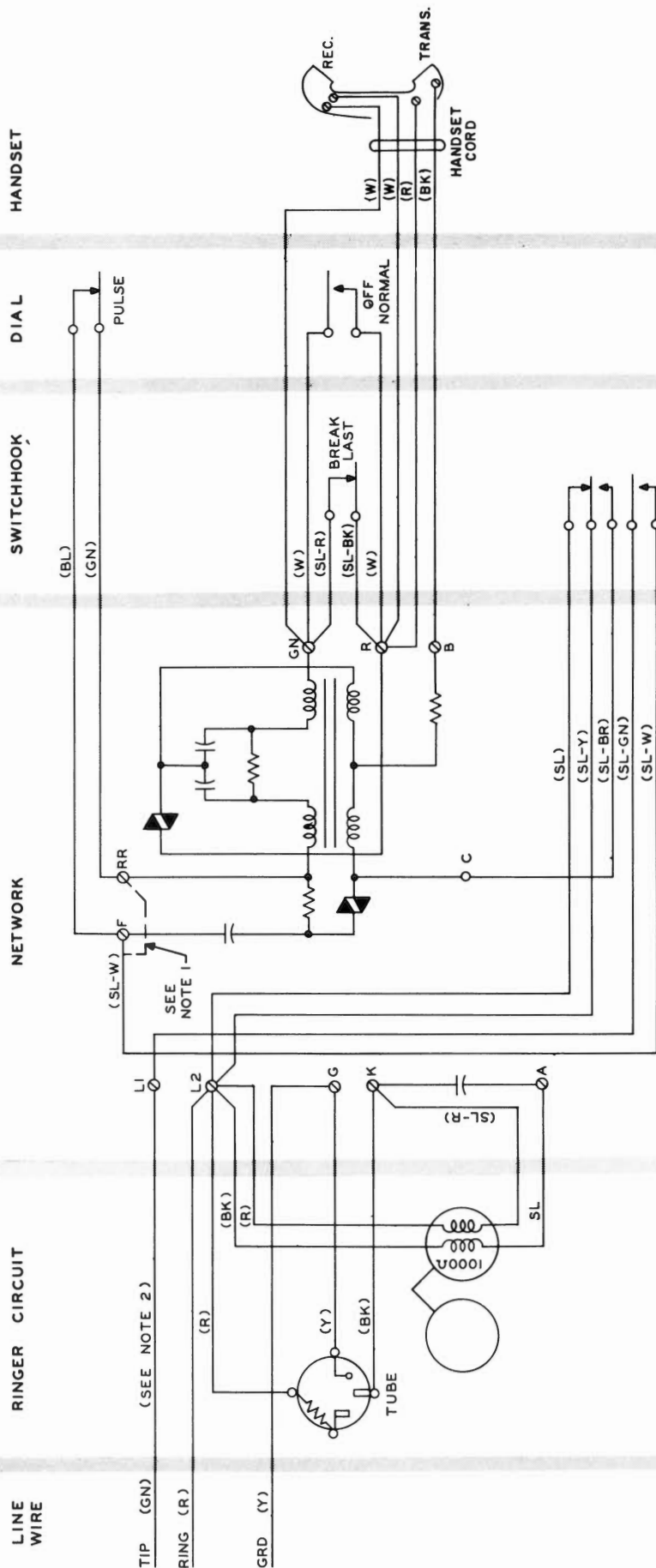


FIG. 2—556A,B



- NOTES:
1. SLATE-WHITE LEAD IS CONNECTED TO "F" TERMINAL IN DIAL SETS AND TO "RR" TERMINAL IN MANUAL SETS.
 2. THE DRAWING IS A NEGATIVE RING PARTY. FOR NEGATIVE TIP, REVERSE RED AND GREEN LINE WIRES.

FIG. 3—556A,B CIRCUIT DIAGRAM
(NEGATIVE RING AND TIP PARTIES)



NOTES:

1. SLATE - WHITE LEAD IS CONNECTED TO "F" TERMINAL IN DIAL SETS AND TO "RR" TERMINAL IN MANUAL SETS.
2. THE DRAWING IS A POSITIVE RING PARTY. FOR POSITIVE TIP, REVERSE RED AND GREEN LINE WIRES.

FIG. 4—556A,B CIRCUIT DIAGRAM
(POSITIVE RING AND TIP PARTIES)

3.00 RINGERS

3.01 To permanently silence the ringer, terminate ringer leads as shown in the following table:

TABLE C
RINGER LEAD CONNECTIONS

Class of Ringing Service	Ringer Lead			
	Red	Black	Slate	SI-Red
Negative Ring and Tip Parties—C4A Ringer	K	K	A	K
Positive Ring and Tip Parties—C4A Ringer				

3.02 The ringing bridge is the high-impedance type. For information on the number and type of ringing bridges permitted on each line, reference should be made to the C Section covering ringer limitations.

4.00 INDUCTIVE INTERFERENCE

4.01 When inductive interference is encountered at a station, substitute a 425A tube in accordance with the following table:

TABLE D
TUBE LEAD CONNECTIONS

Lead		Average Induction				Severe Induction			
		Negative (—) Parties		Positive (+) Parties		Negative (—) Parties		Positive (+) Parties	
		Ring Positions 1 and 5	Tip Positions 2 and 6	Ring Positions 3 and 7	Tip Positions 4 and 8	Ring Positions 1 and 5	Tip Positions 2 and 6	Ring Positions 3 and 7	Tip Positions 4 and 8
425A Tube	R	—	—	L2	L2	L1	L1	L2	L2
	GN	—	—	L1	L1	L2	L2	L1	L1
	BK	—	—	K	K	K	K	K	K
	Y	—	—	G	G	L2	L2	G	G
426A Tube	R	L1	L1	—	—	—	—	—	—
	BK	K	K	—	—	—	—	—	—
	Y	L2	L2	—	—	—	—	—	—

4.02 For additional information concerning induction, reference should be made to the C Section covering inductive noise.