

TELEPHONE SETS — 500A,B
COMMON BATTERY — CONNECTIONS

1.00 INTRODUCTION

This section covers the combination of apparatus, circuit diagram, and connections for the 500A and B telephone sets.



FIG. 1—500 TYPE

TABLE A
COMBINATION OF APPARATUS

Tel. Set Code	Use	Components					
		Dial	Apparatus Blank	Handset	Ringer	Network	Equalizer
500A	Manual	—	95B	G1A	C4A	425A	311A
500B	Dial	7D	—				

TABLE B
LINE AND RINGER CONNECTIONS

Wire or Lead	Individual or Bridged	Ring Party	Tip Party	Tip Party—Position 2		
				Message Rate	SxS with AT	
		Positions 1, 3, 5, 7, 9		Positions 2, 4, 6, 8, 10	Zone Registration	SxS with AMA
					X-bar with AMA	Mod X-bar with AMA
Mounting Cord in Set	R	L2	L2	L2	L2	
	GN	L1	L1	L1	L1	
	Y	G	G	G	G	
Ringer Lead	R	K	K	K	M	
	BK	G	G	G	R	
	SL	E	E	M	K	
	SL-R	E	E	R	G	
Switchhook Lead	SL	L2	L2	A	A	
Mounting Cord at Connecting Block	R	R	G	G	G	
	GN	G	R	R	R	
	Y	G	Y	Y	Y	
Line Wire at Connecting Block	R	R	R	R	R	
	GN	G	G	G	G	
	Y	Y	Y	Y	Y	

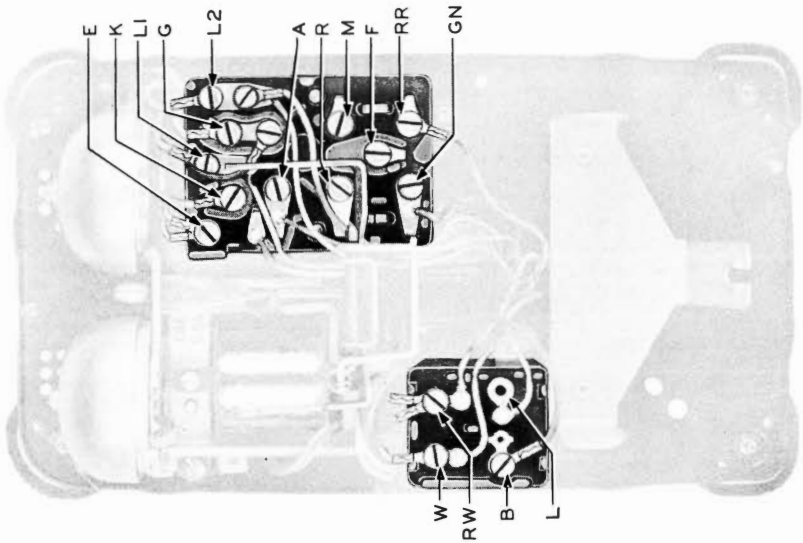
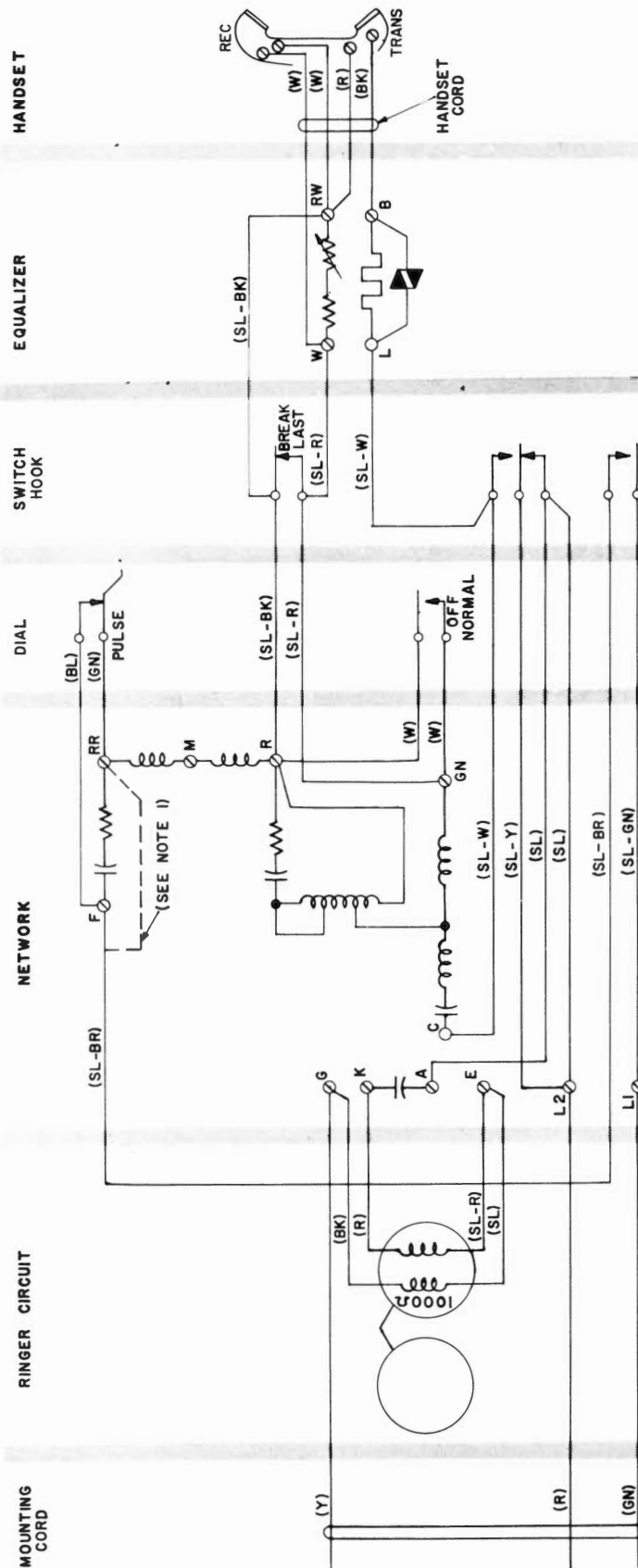


FIG. 2—500A,B
(WITH DIAL REMOVED)



NOTE:
1. SLATE-BROWN LEAD IS CONNECTED
TO "F" TERMINAL IN DIAL SETS AND
"RR" TERMINAL IN MANUAL SETS.

FIG. 3—500A,B CIRCUIT DIAGRAM
(INDIVIDUAL RING AND TIP PARTIES)

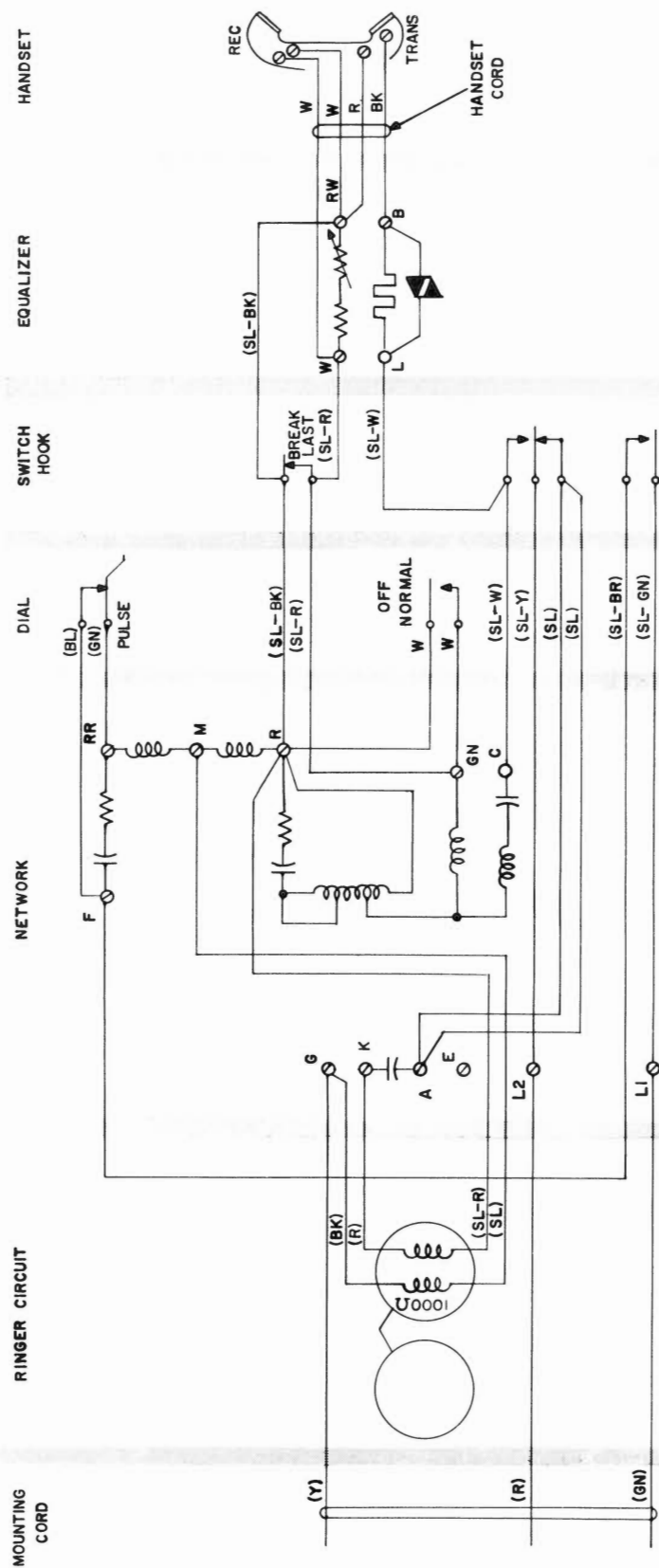


FIG. 4—500B CIRCUIT DIAGRAM
(MESSAGE RATE, ZONE REGISTRATION, X-BAR WITH AMA)

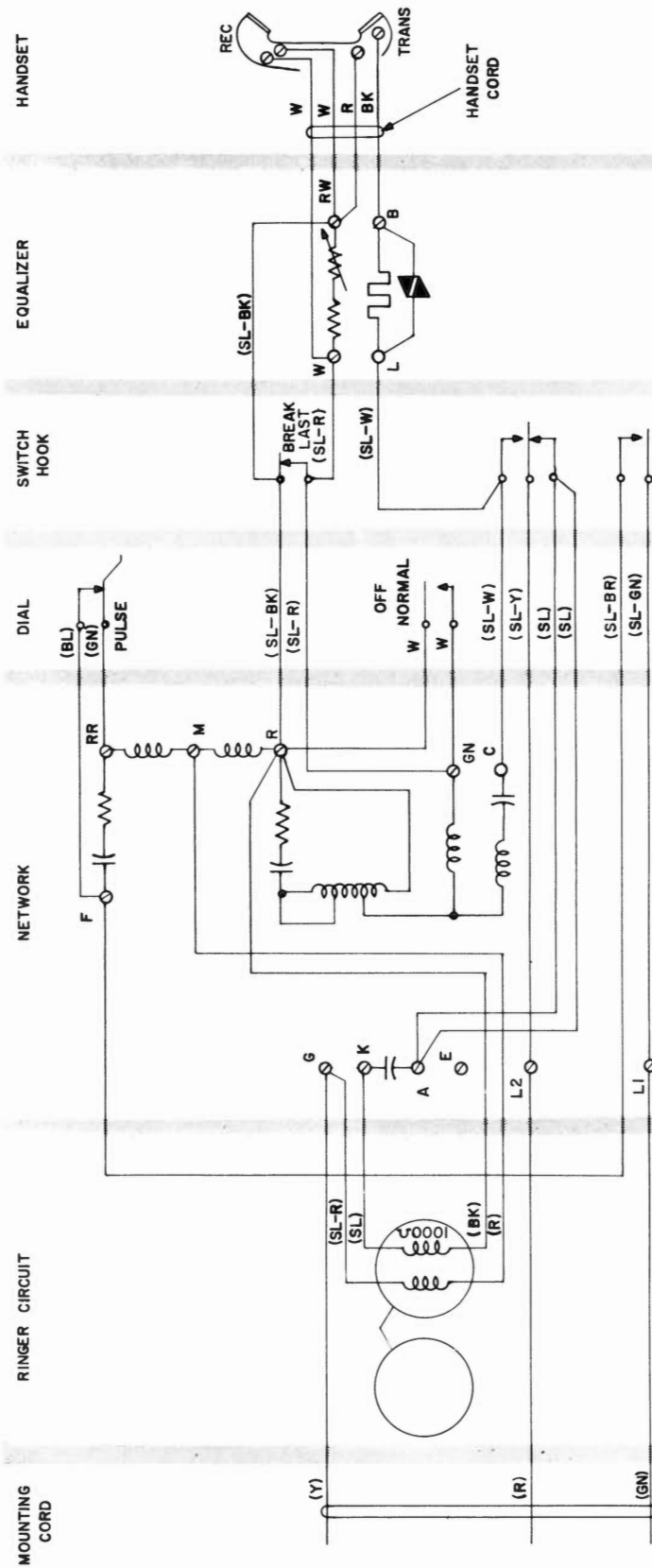


FIG. 5—500B CIRCUIT DIAGRAM
(SxS WITH AT, SxS WITH AMA, MODIFIED X-BAR WITH AMA)

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	Sl-Red
Individual or Bridged Ring Party Tip Party	K	K	E	E
Tip Party Message Rate Zone Registration X-bar with AMA	K	G	M	E
Tip Party SxS with AT SxS with AMA Mod X-bar with AMA	M	E	K	G

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.