

TELEPHONE SETS — 500U (ILLUMINATED DIAL)
COMMON BATTERY — CONNECTIONS

1.00 INTRODUCTION

This section covers the combination of apparatus, circuit diagrams, and connections for the 500U telephone set.



FIG. 1—500 TYPE

TABLE A
COMBINATION OF APPARATUS

Hand Tel. Set Code	Use	Components			
		Dial	Handset	Ringer	Network
500U	Dial Only	7C	G1A	C4A	425B

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		
				Zone Registration		SxS with AMA	
				Position 1, 3, 5, 7, 9	Position 2, 4, 6, 8, 10	X-bar with AMA	Mod X-bar with AMA
Mounting Cord in Set	R	L2	L2	L2	L2	L2	
	GN	L1	L1	L1	L1	L1	
	Y	5	5	5	5	5	
	BK	E1	E1	E1	E1	E1	
Ringer Leads	R	L2	L2	L2	K	K	
	BK	G	G	G	G	B	
	SL	K	K	K	B	K	
	SL-R	A	A	A	B	G	
Switchhook Lead	SL	L2	L2	L2	A	A	
Mounting Cord at 42-type Connecting Block	R	R	R	G	G	G	
	GN	G	G	R	R	R	
	Y	G	Y	Y	Y	Y	
	BK	B	B	B	B	B	
Line Wire at 42-type Connecting Block	R	1	1	1	1	1	
	GN	2	2	2	2	2	
	Y	4	4	4	4	4	
		Y	Y	Y	Y	Y	
Transformer Leads to Block	B	B	B	B	B	B	

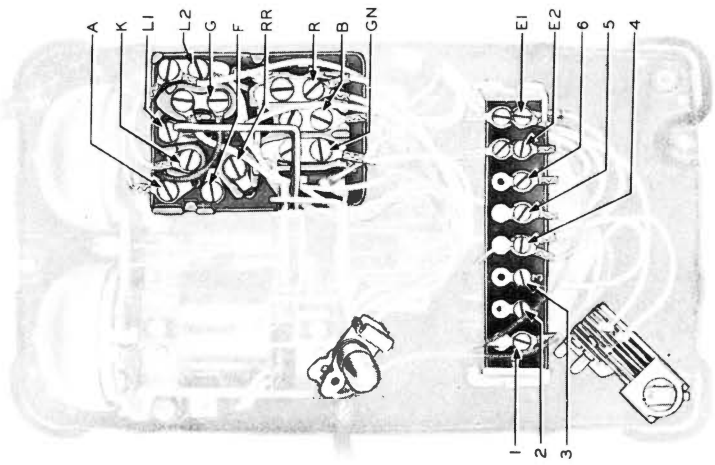


Fig. 2—500U

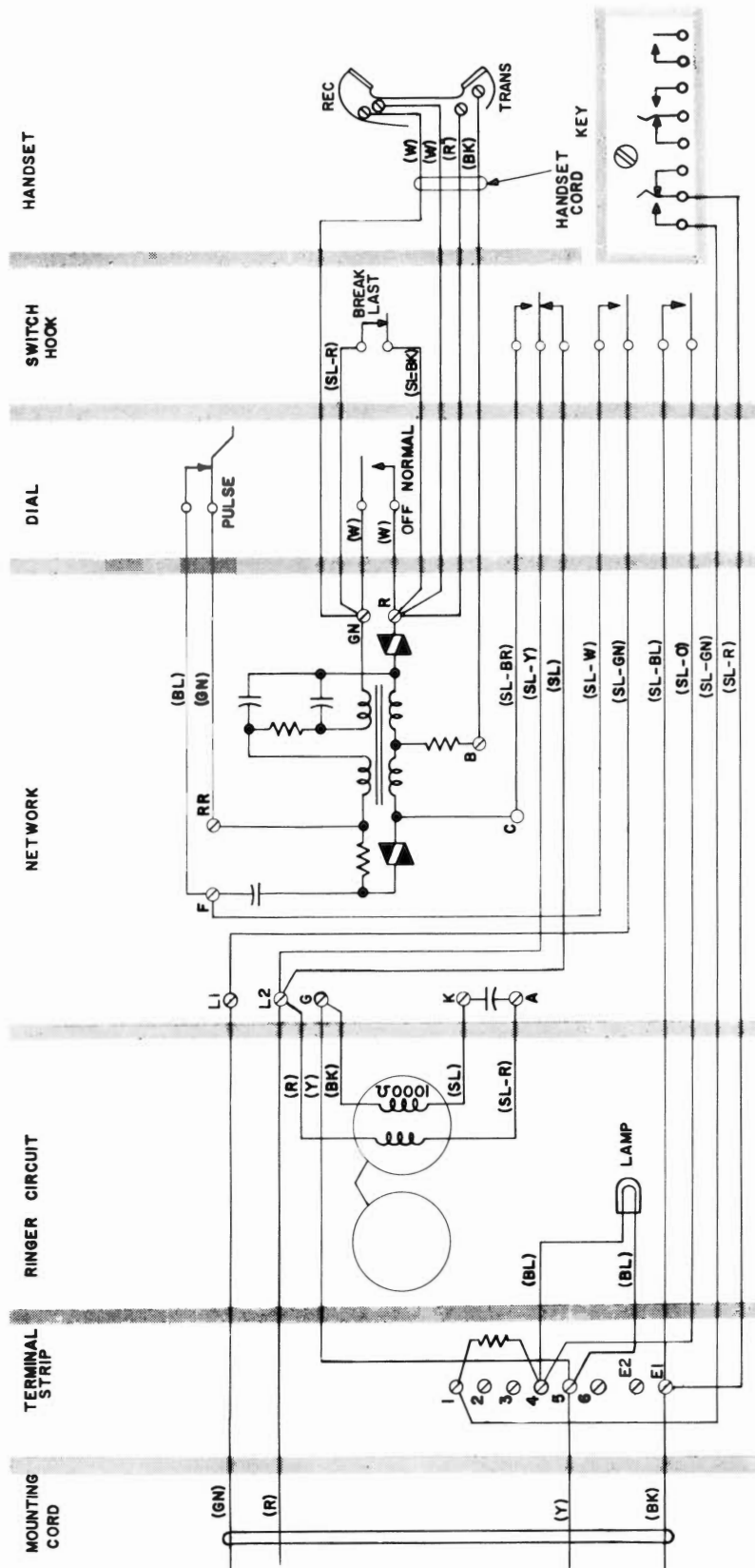


FIG. 3—500U CIRCUIT DIAGRAM
(INDIVIDUAL RING AND TIP PARTIES)

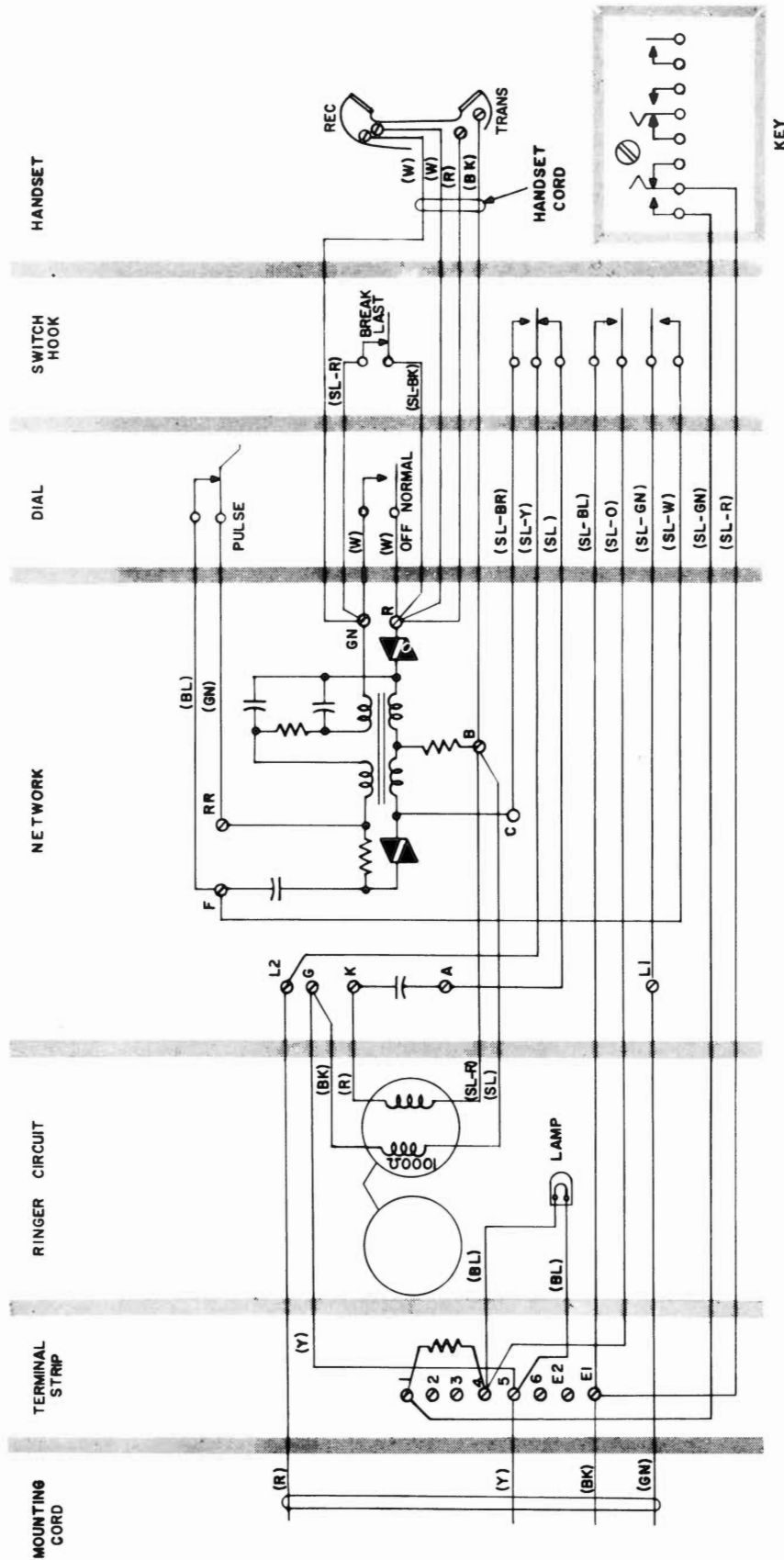


FIG. 4—500U CIRCUIT DIAGRAM
(MESSAGE RATE, ZONE REGISTRATION, X-BAR WITH AMA)

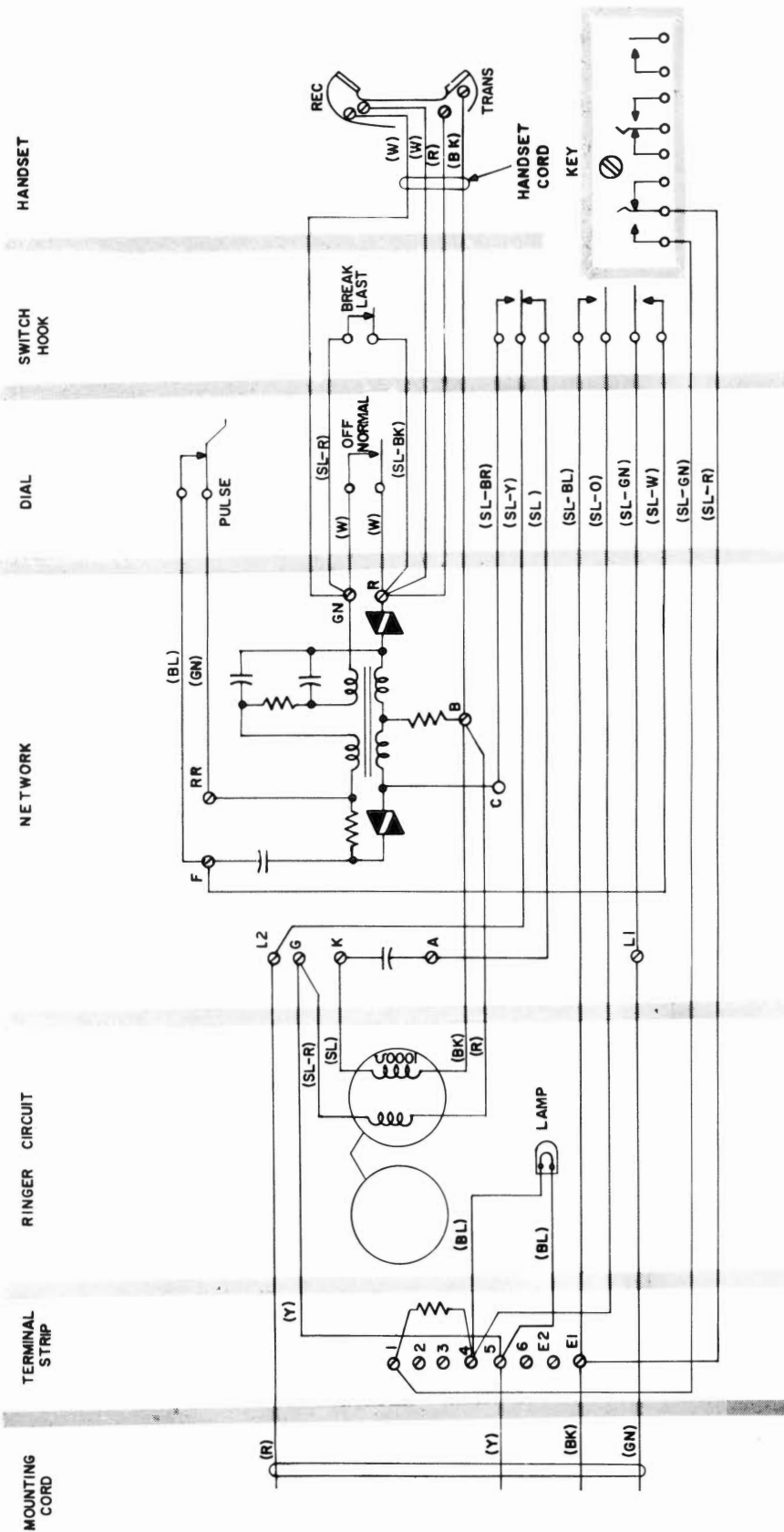


FIG. 5—500U CIRCUIT DIAGRAM
(SXS WITH AT, AMA, MODIFIED X-BAR WITH AMA)

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 Leads			
	Red	Black	Slate	SI-Red
Individual or Bridged Ring Party Tip Party	L2	K	K	A
Tip Party Message Rate Zone Registration X-bar with AMA	K	G	B	K
Tip Party SxS with AT SxS with AMA Mod X-bar with AMA	B	K	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.