

TELEPHONE SETS — 500P (ILLUMINATED DIAL)

COMMON BATTERY — CONNECTIONS

1.00 INTRODUCTION

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



FIG. 1—500 TYPE

TABLE A
COMBINATION OF APPARATUS

Hand Tel. Set Code	Use	Components			
		Dial	Handset	Ring	Network
500P	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		
			Position 1, 3, 5, 7, 9	Position 2, 4, 6, 8, 10		Message Rate	Zone Registration	SxS 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	B
	BK	G	G	G			G	B
	SL	K	K	K			B	K
	SL-R	A	A	A			B	G
Switchhook Leads	SL	L2	L2	L2			A	A
	R	R	R	G			G	G
	GN	G	G	R			R	R
	Y	G	Y	Y			Y	Y
Mounting Cord at 42-type Connecting Block	BK	B	B	B			B	B
	R	R	R	R			R	R
	GN	G	G	G			G	G
	Y	Y	Y	Y			Y	Y
Line Wire at 42-type Connecting Block								
Transformer Leads to Block		G	Y	Y			Y	Y
		B	B	B			B	B

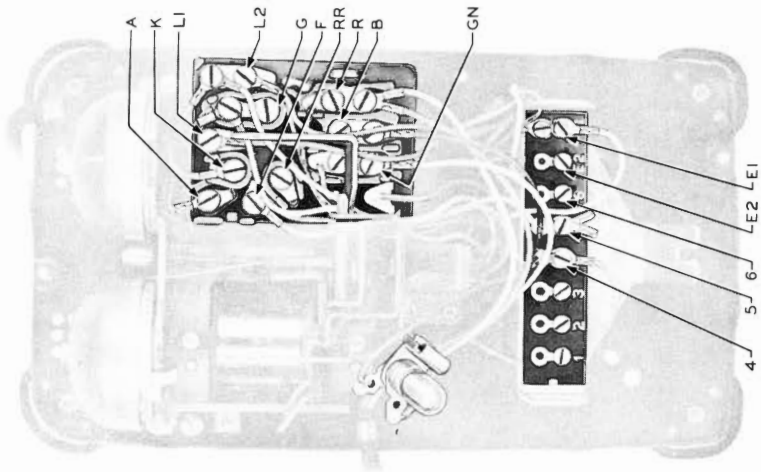


FIG. 2—500P (WITH DIAL REMOVED)

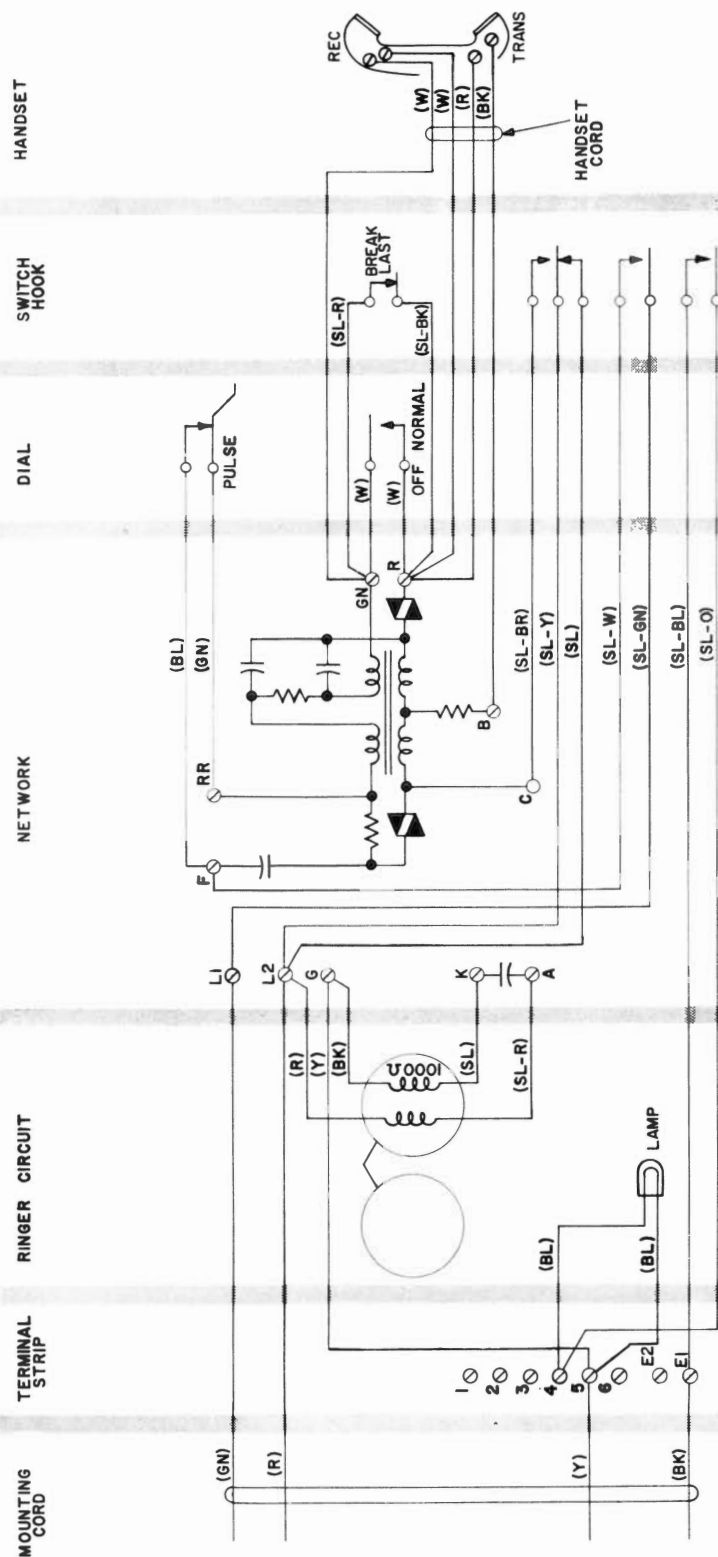


FIG. 3—500P CIRCUIT DIAGRAM
(INDIVIDUAL RING AND TIP PARTIES)

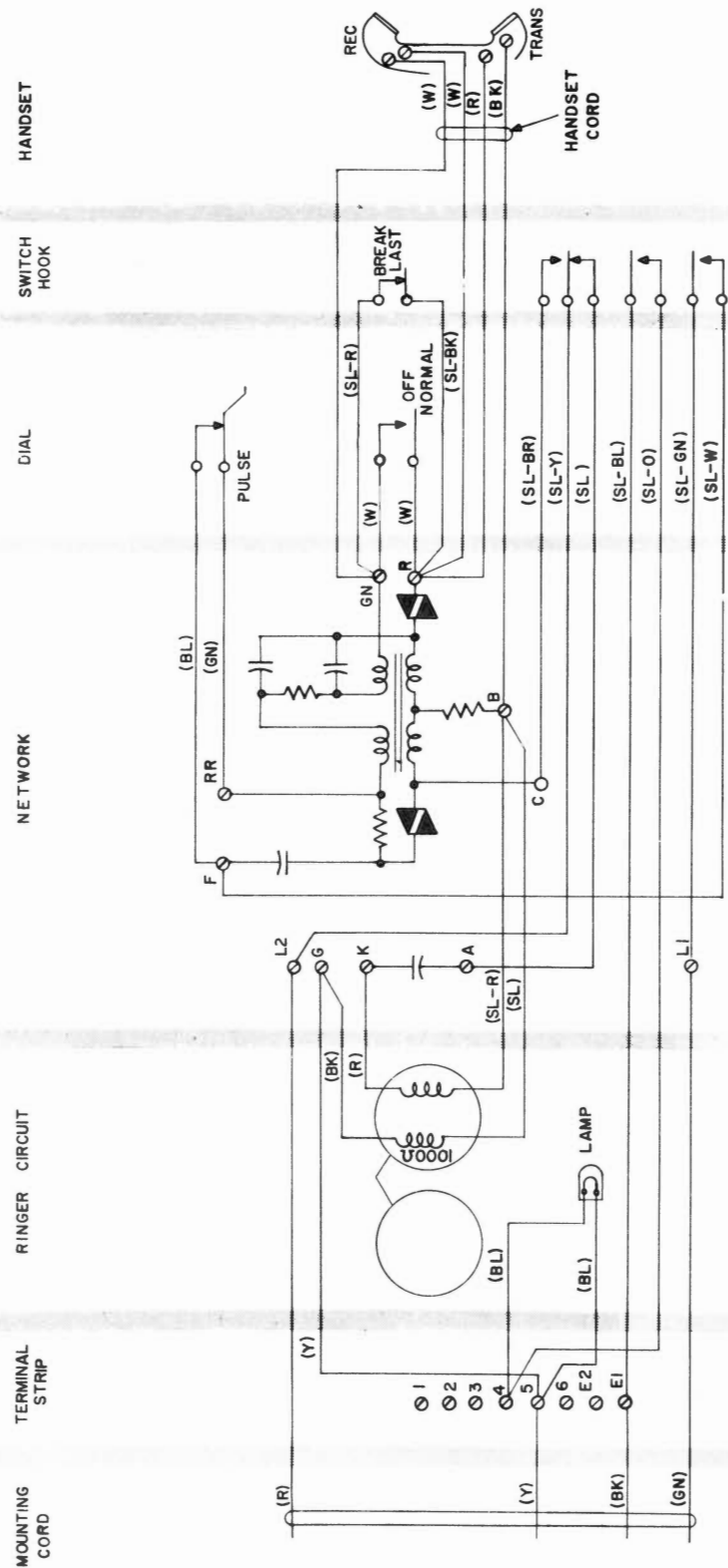


FIG. 4—500P CIRCUIT DIAGRAM
(MESSAGE RATE, ZONE REGISTRATION, X-BAR WITH AMA)

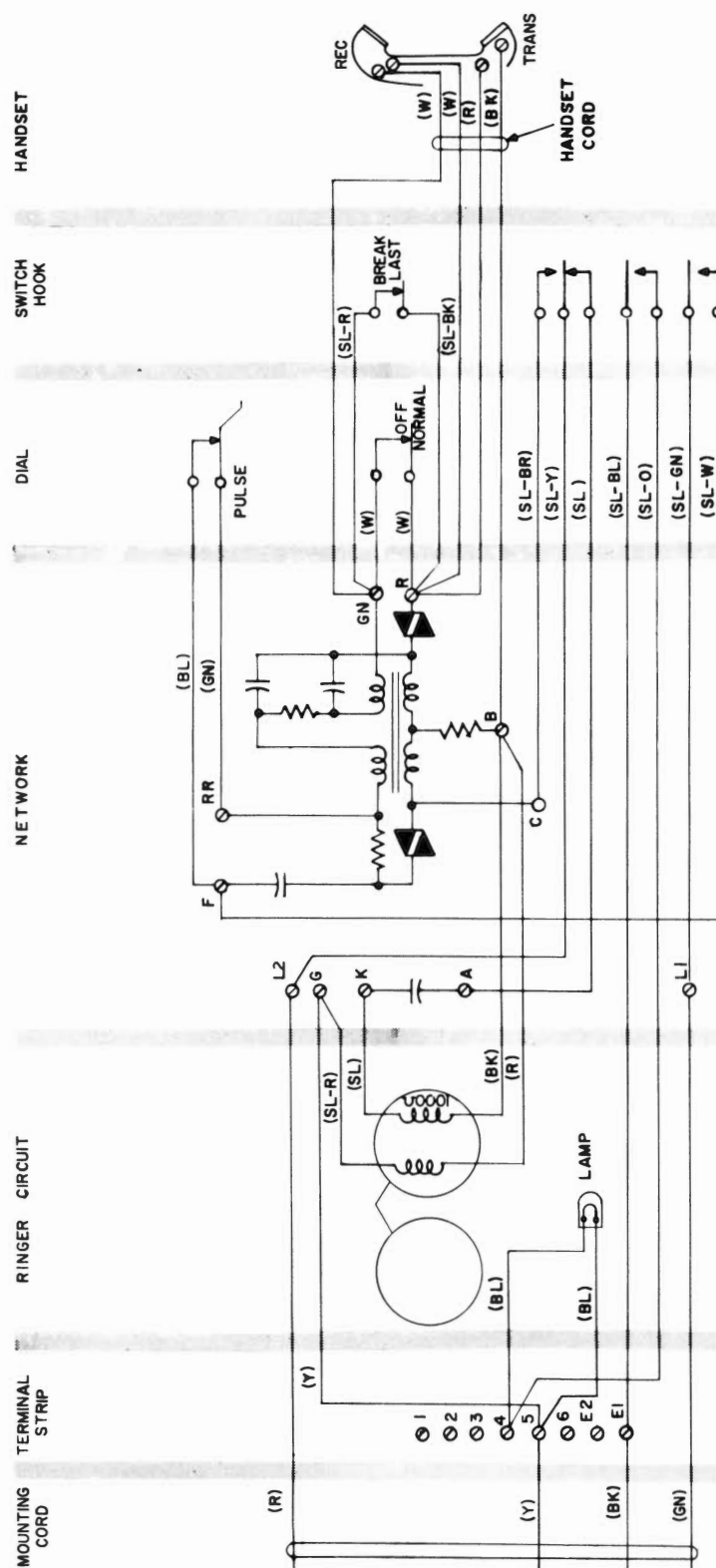


FIG. 5—500P CIRCUIT DIAGRAM
(SxS WITH AT, SxS WITH AMA, MOD X-BAR WITH AMA)

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.