

SINGLE-LINE, ROTARY DIAL, DESK TELEPHONES

CIRCUIT LABELS

1. GENERAL

1.01 This document covers the single-line, rotary dial, desk telephones. (See Figure 1.) The circuit labels for the various models of single-line, rotary dial, desk telephones and the associated features available in each are included in this document. (See Table A.)



AW82-323

Figure 1: Single-Line, Rotary Dial, Desk Telephone

1.02 This section has been reissued for the following reasons:

(a) Issue 4 adds the latest issue of circuit labels for the following single-line, rotary dial, desk telephones:

- (1) Model 500** QBA, Types 20, 21, 24, 27, 28, and 44
- (2) Model 500** FBA, Types 20, 24, 27, 28, and 44
- (3) Model 500** MBA, Types 20, 24, 27, 28, and 44
- (4) Model 502** OBA, Types 30 and 34

(b) Issue 3 added the latest available issue of circuit labels for single-line, rotary dial, desk telephones.

(c) Issue 2 added the latest issue circuit label for the Model 500** OBA, Type 44 telephones.

Note: Some versions of telephones have been manufacturing discontinued; however, circuit labels have been retained as a reference for telephones still in service.

1.03 For additional information on description and installation of the telephones, refer to Section 50-500-100. A replacement parts list and an exploded-view drawing for the telephones are contained in Section 50-500-101. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 500 desk telephones are single-line, rotary dial, anti-sidetone type units that operate efficiently over a wide range of loop resistances and line impedances.

1.05 The Model 500 desk telephones are identified by a coded label affixed to the bottom of the base plate. Refer to Section 50-500-100 of the CORTELCO Telephone Apparatus Practices Manual for ordering information of complete telephones and for an explanation of each code number.

TABLE A
LIST OF CIRCUIT LABELS

MODEL NO.	TYPE NO.	FIGURE NO.
500** OBA	20, 21, 24	2
500** OBA	27, 28	3
500** OBA	39	4
500** OBA	44	5
500** QBA	20, 21, 24, 27, 28, 44	6
500** FBA	20, 24, 27, 28, 44	6
500** MBA	20, 24, 27, 28, 44	6
502** OBA	30, 34	7

AW89-18

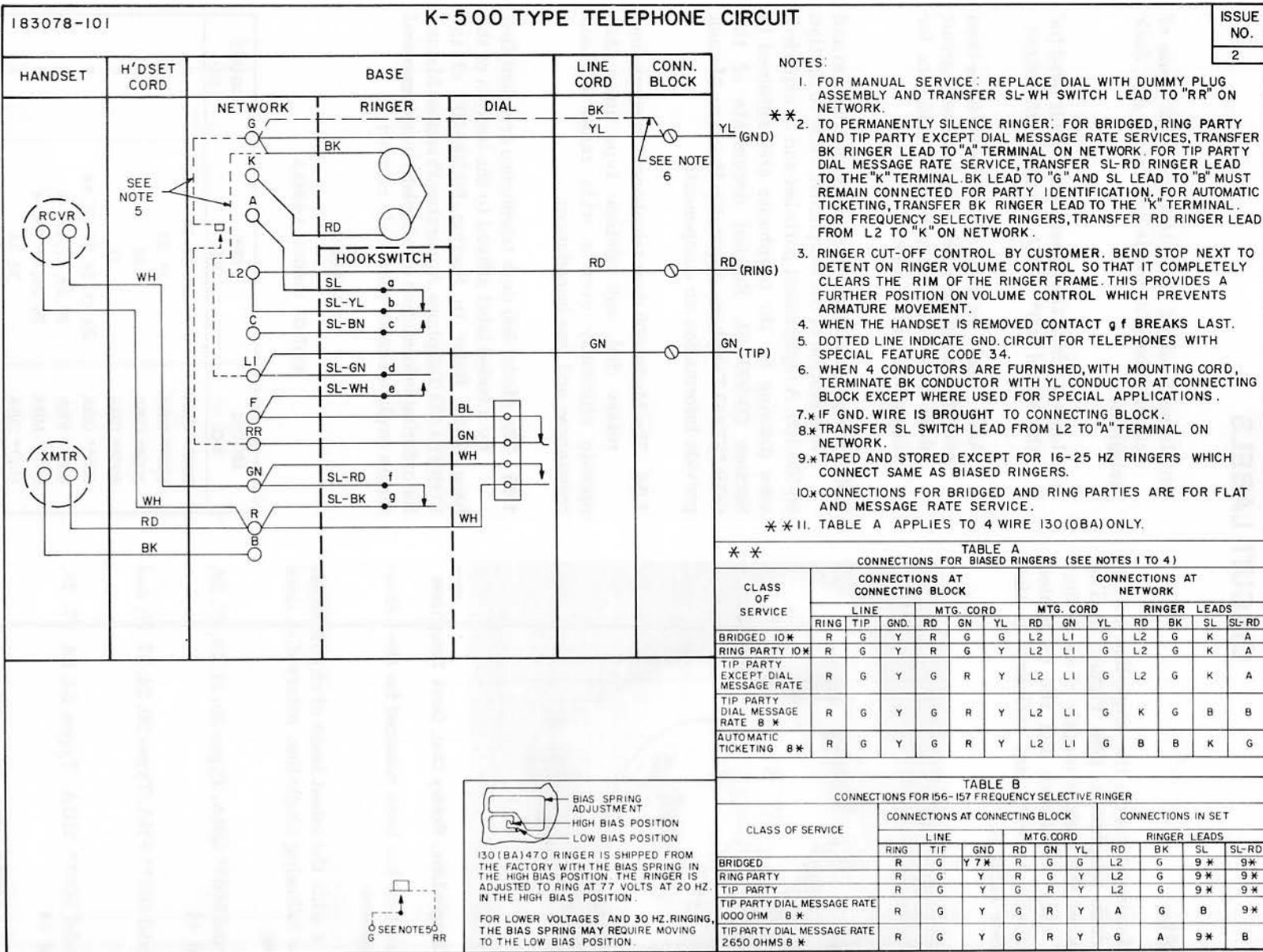


Figure 2: Circuit Label, Model 500** OBA Types 20, 21, 24

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K - 500 TYPE TELEPHONE CIRCUIT (MESSAGE WAIT)

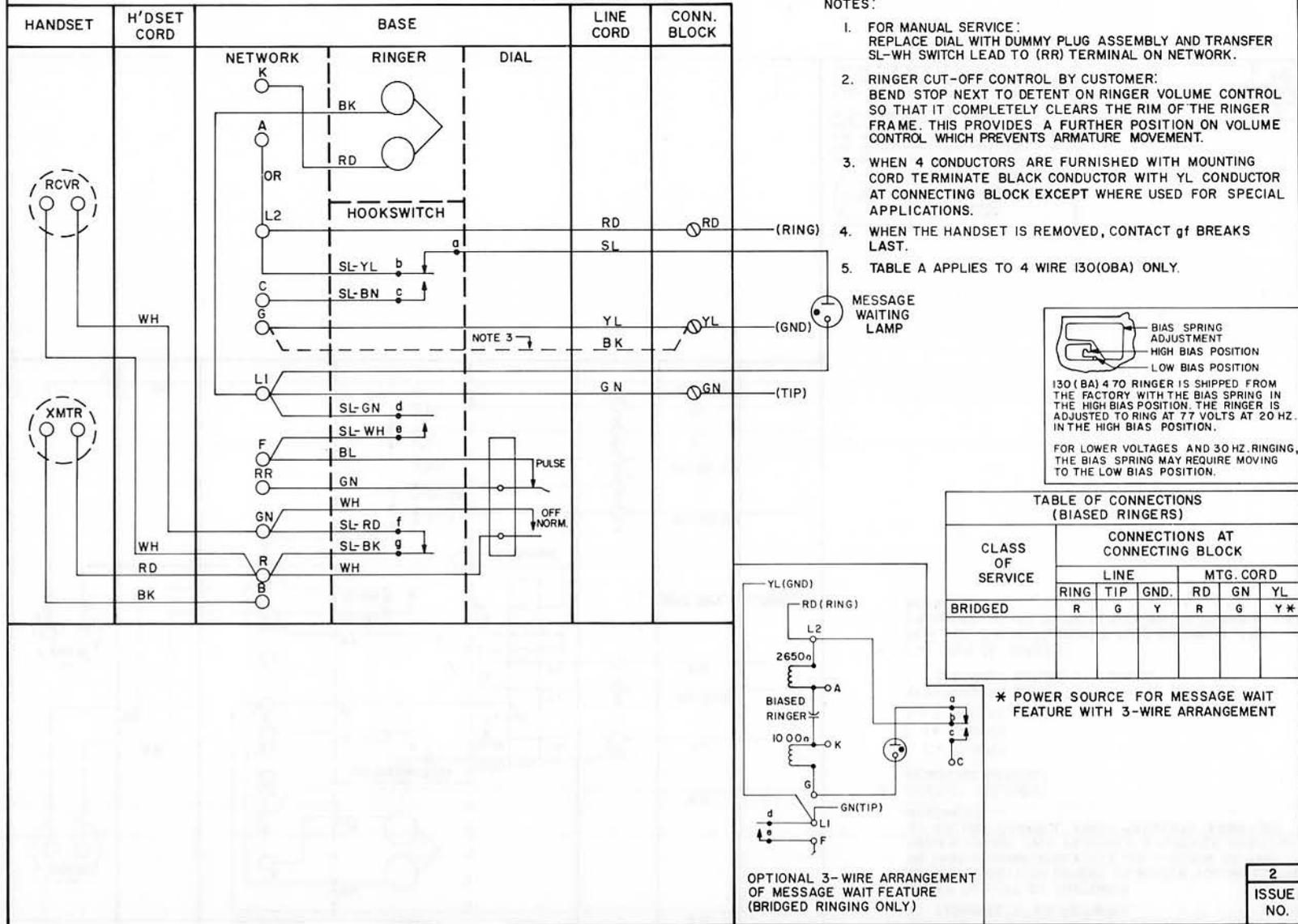


Figure 3: Circuit Label, Model 500** OBA Types 27, 28

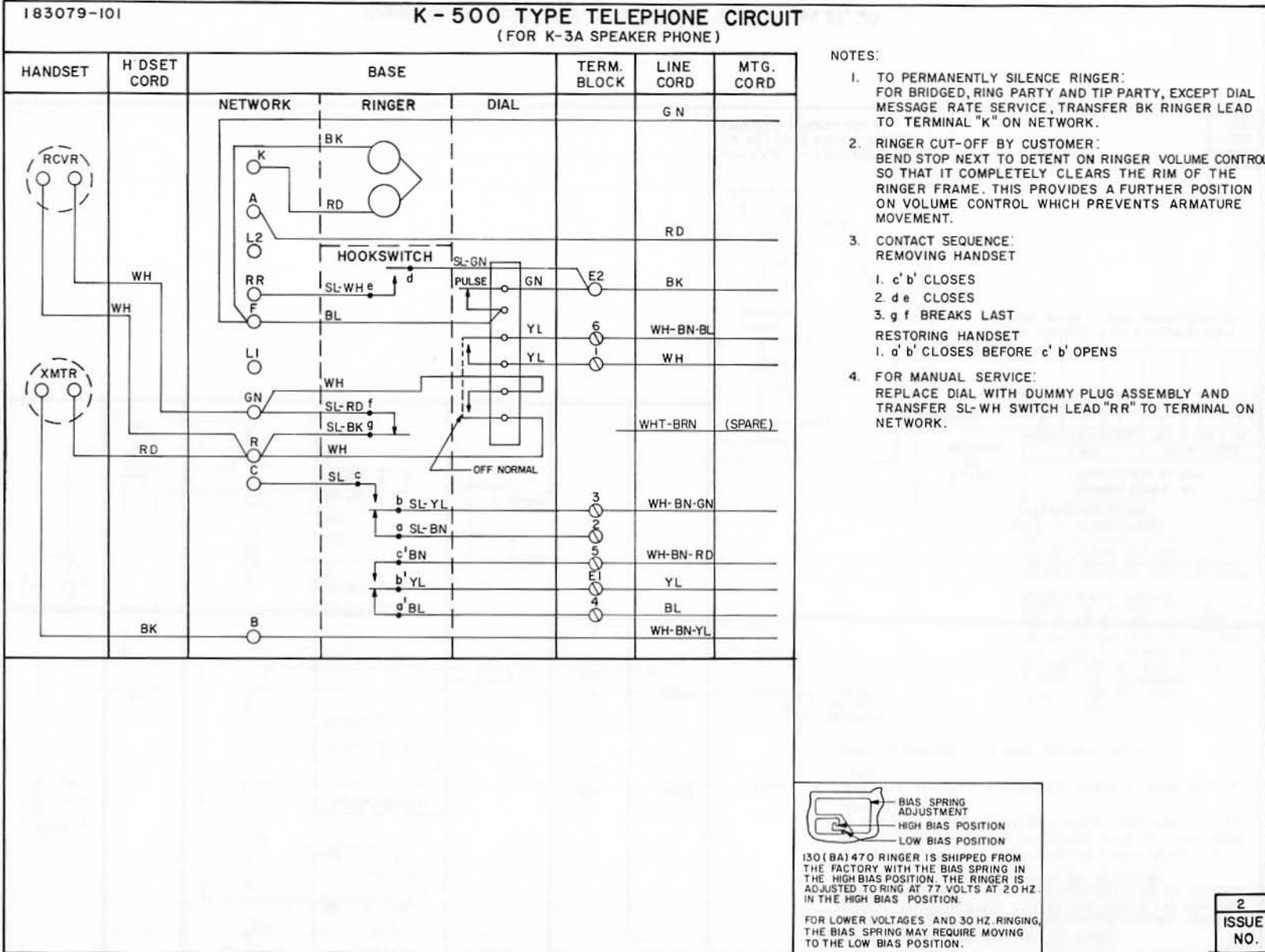


Figure 4: Circuit Label, Model 500** OBA Type 39

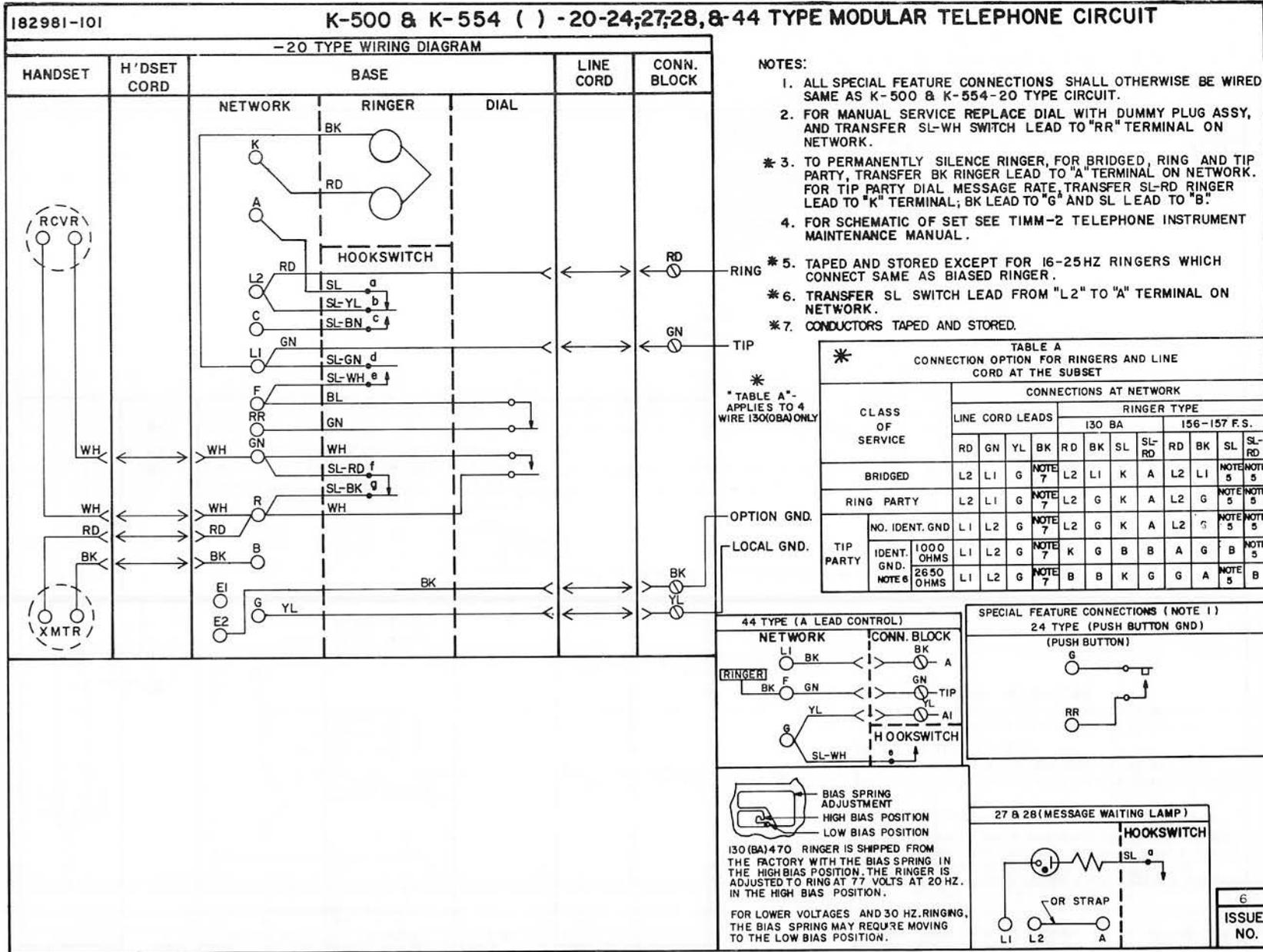
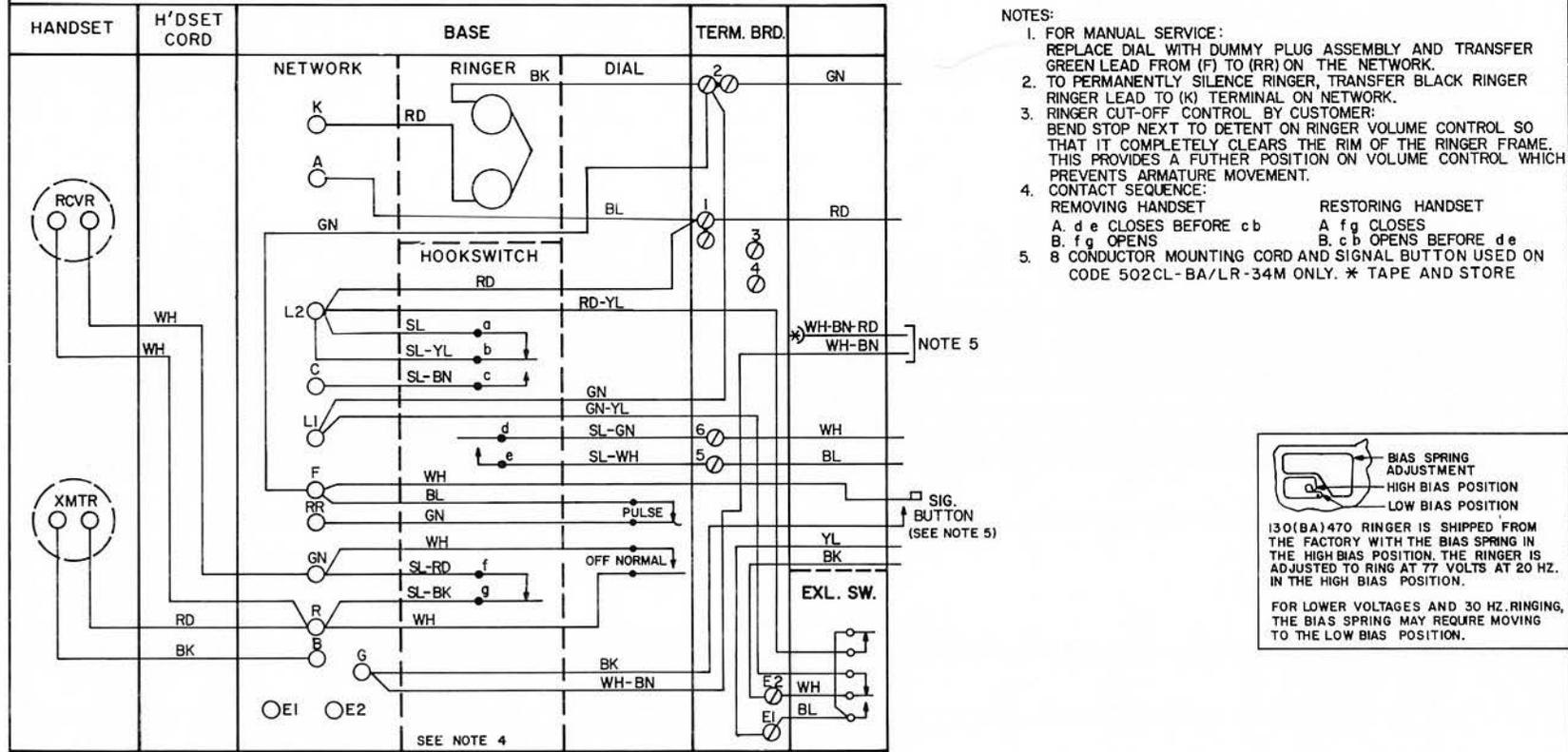


Figure 6: Circuit Label, Model 500** QBA Types 20, 21, 24, 27, 28, 44; Model 500** FBA Types 20, 24, 27, 28, 44; Model 500** MBA Types 20, 24, 27, 28, 44

183518-101

K-502 TYPE TELEPHONE CIRCUIT



- NOTES:
- FOR MANUAL SERVICE: REPLACE DIAL WITH DUMMY PLUG ASSEMBLY AND TRANSFER GREEN LEAD FROM (F) TO (RR) ON THE NETWORK.
 - TO PERMANENTLY SILENCE RINGER, TRANSFER BLACK RINGER RINGER LEAD TO (K) TERMINAL ON NETWORK.
 - RINGER CUT-OFF CONTROL BY CUSTOMER: BEND STOP NEXT TO DETENT ON RINGER VOLUME CONTROL SO THAT IT COMPLETELY CLEARS THE RIM OF THE RINGER FRAME. THIS PROVIDES A FURTHER POSITION ON VOLUME CONTROL WHICH PREVENTS ARMATURE MOVEMENT.
 - CONTACT SEQUENCE:
 REMOVING HANDSET RESTORING HANDSET
 A. d e CLOSES BEFORE c b A f g CLOSES
 B. f g OPENS B. c b OPENS BEFORE d e
 - 8 CONDUCTOR MOUNTING CORD AND SIGNAL BUTTON USED ON CODE 502CL-BA/LR-34M ONLY. * TAPE AND STORE

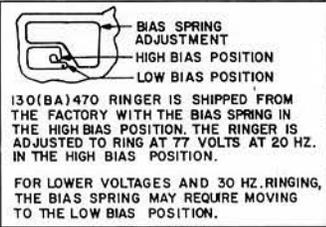


		TABLE			
		RINGER CONNECTION			
		CONNECTION AT NETWORK AND TERMINAL BOARD			
CLASS OF SERVICE		RINGER TYPE			
		130(OBA) ONLY		156-157 F.S.	
		TERMINAL BOARD	NETWORK	TERMINAL BOARD	NETWORK
BRIDGED		1	2	1	2
		RD	BK	BK	BK
		K	A	K	A
		SL	SL-RD	SL	SL-RD
					SEE NOTE 6

4
ISSUE NO.

Figure 7: Circuit Label, Model 502** OBA Types 30, 34