

SINGLE-LINE, PUSHBUTTON DIAL, DESK TELEPHONES

CIRCUIT LABELS

1. GENERAL

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



AWB2-334

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

1.02 This section is reissued for the following reasons:

- (a) Issue 4 adds new circuit labels for the Model 2500 telephones with a data port and for Model 2500 telephones with flash and message waiting and modifiable A-Lead control.
- (b) Issue 3 added new circuit labels and provided the latest issue of circuit labels for the Model 2500 telephones with Tel-Touch dials, and provided the latest issue of circuit labels for the Model 2500 telephones with Tel-Pulse dial.
- (c) Issue 2 added circuit labels for the Model 2500, Type 20H and the Model 2500, Types 20F and 27F telephones.

1.03 For additional information on description and installation of the telephones, refer to Section 50-500-103. A replacement parts list and an exploded-view drawing for the telephones are contained in Section 50-500-104. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 2500 desk telephones are single-line, pushbutton dial, anti-sidetone type units that operate efficiently over a wide range of loop resistances and line impedances.

1.05 The Model 2500 desk telephones are identified by a coded label affixed to the bottom of the base plate. Refer to Section 50-500-103 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	FIGURE
2500**OBA	20, 21, 24, 27, 28, 44	2
2500**OBA	39	3
2500**OBA	44	4
2500**QBA	20, 21, 24, 27, 28, 44	5
2500**FBA	20, 24, 27, 28, 44	5
2500**MBA	20, 21, 24, 27, 28, 44	5
2500**OBA	20T, 21T	6
2500**QBA	20T	7
2500**FBA	20T	7
2500**QBA	20S	8
2500**FBA	20S	8
2500**MBA	20S	8
2500**QBA	20F, 27F	9
2500**FBA	20F, 27F	9
2500**MBA	20F, 27F	9
2500**MBA	50M, 57M	10
2500**MBA	20F, 27F	11
2500**OBA	20, 24, 30, 31, 34	12
2500**OBA	27, 28	13
2500**OBA	20F, 27F	14
2500**OBA	20, 24, 27, 28, 44	15
2500**FBA	20, 24, 27, 28, 44	15
2500**MBA	20, 24, 27, 28, 44	15
2502**OBA	30	16

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K-2500 20,24,27,28&44 TYPE TELEPHONE CIRCUIT

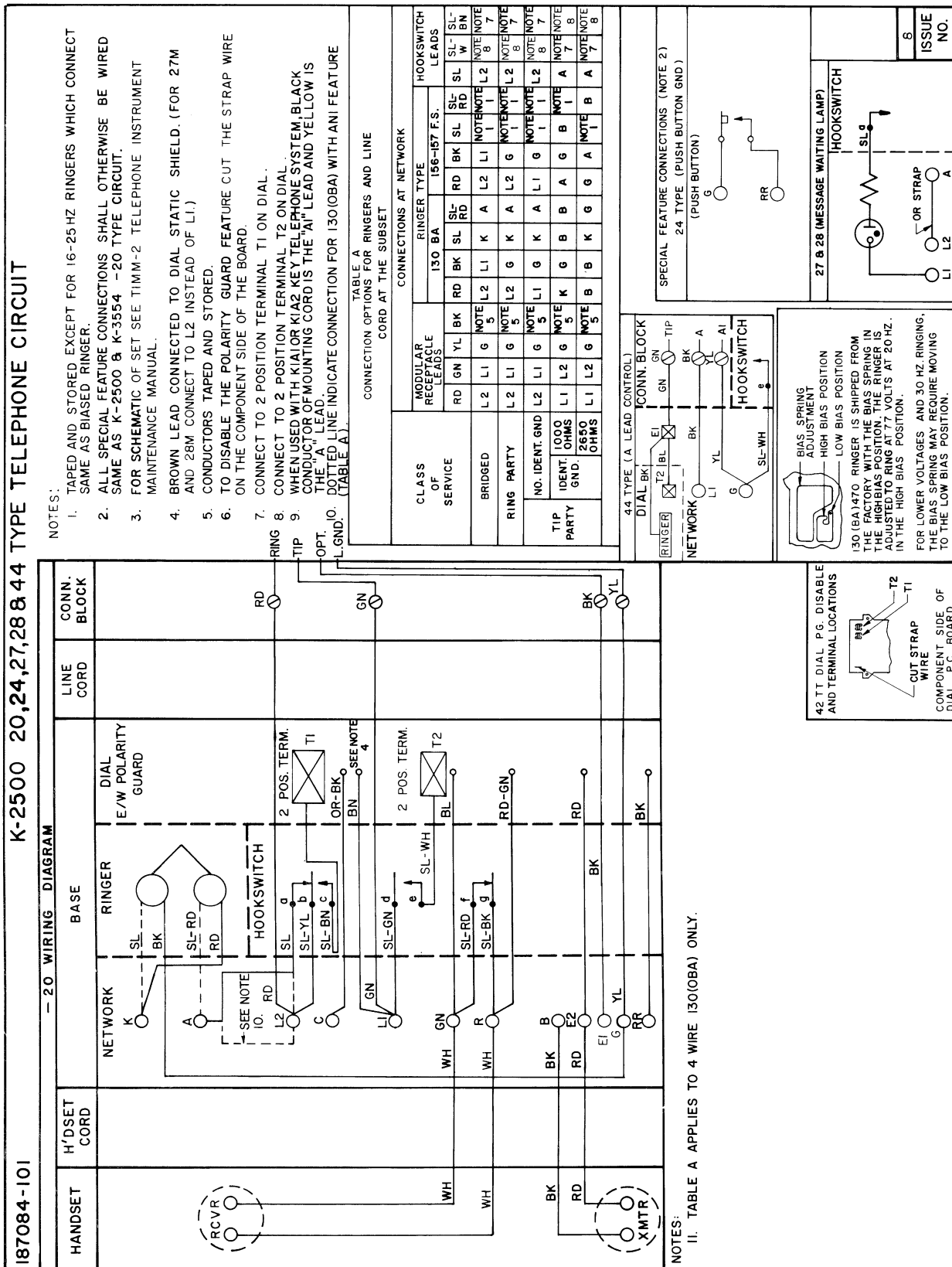


Figure 2: Circuit Label, Model 2500 OBA Types 20, 21, 24, 27, 28, 44**

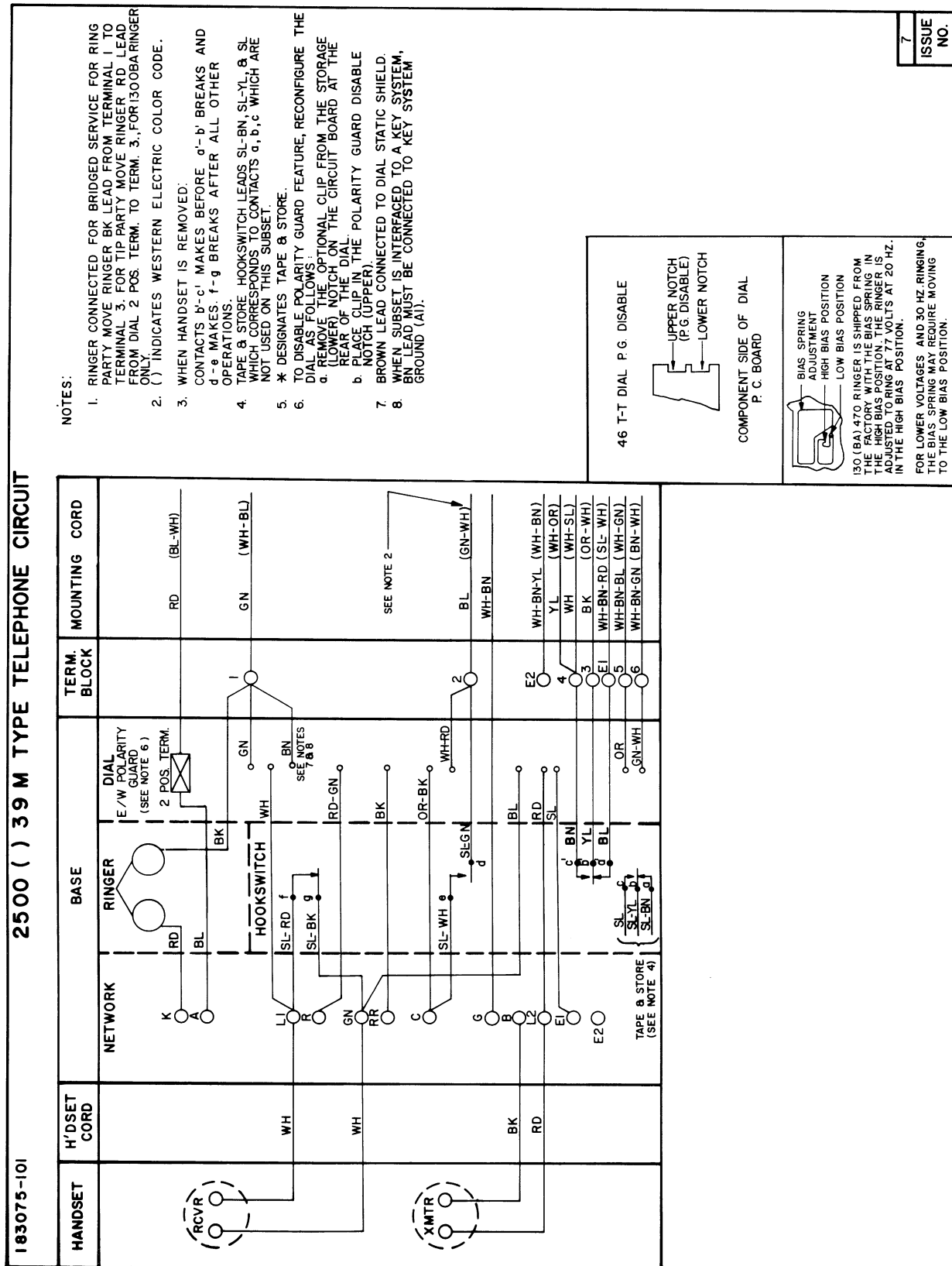


Figure 3: Circuit Label, Model 2500 OBA Type 39**

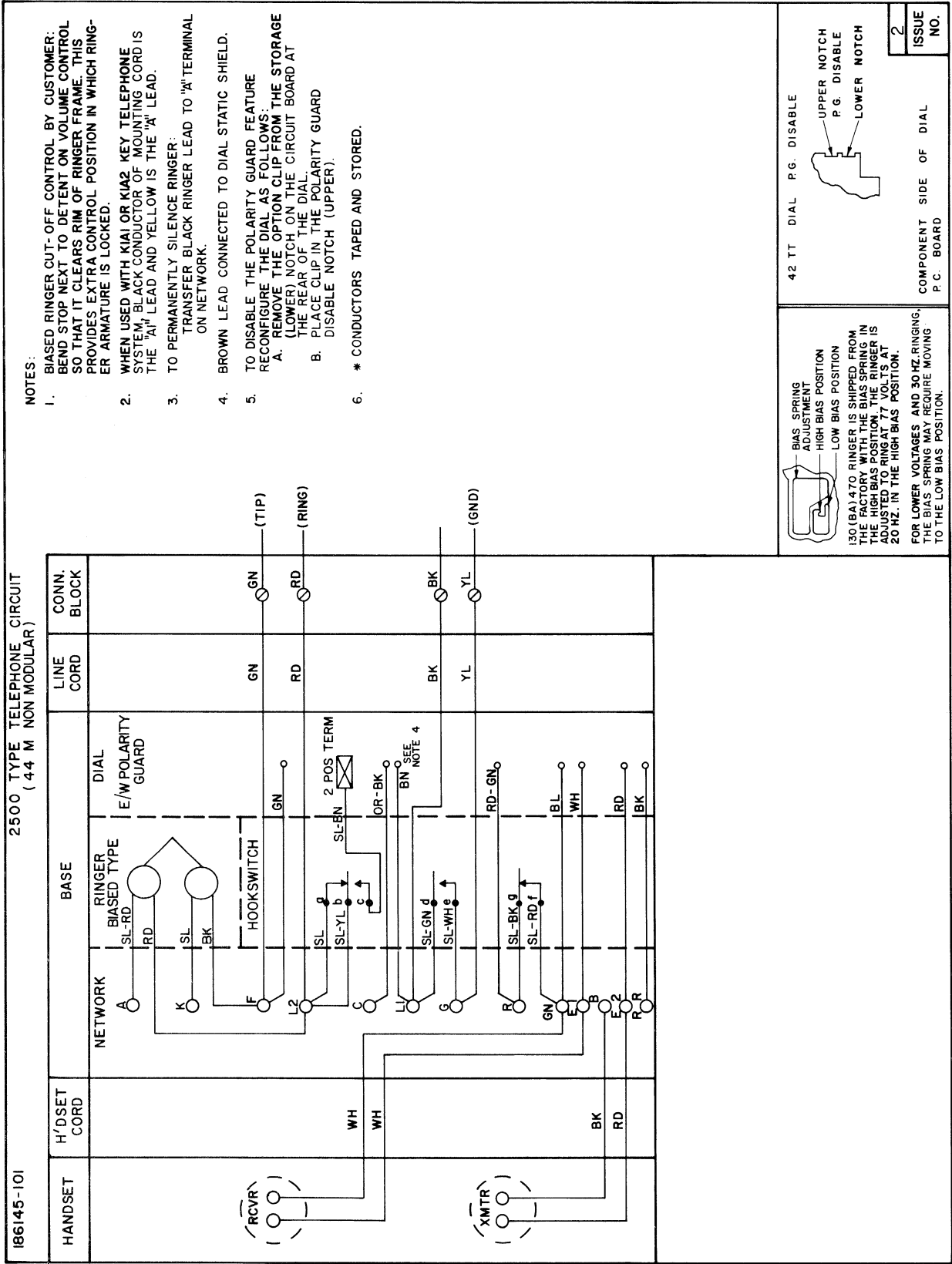


Figure 4: Circuit Label, Model 2500** OBA Type 44

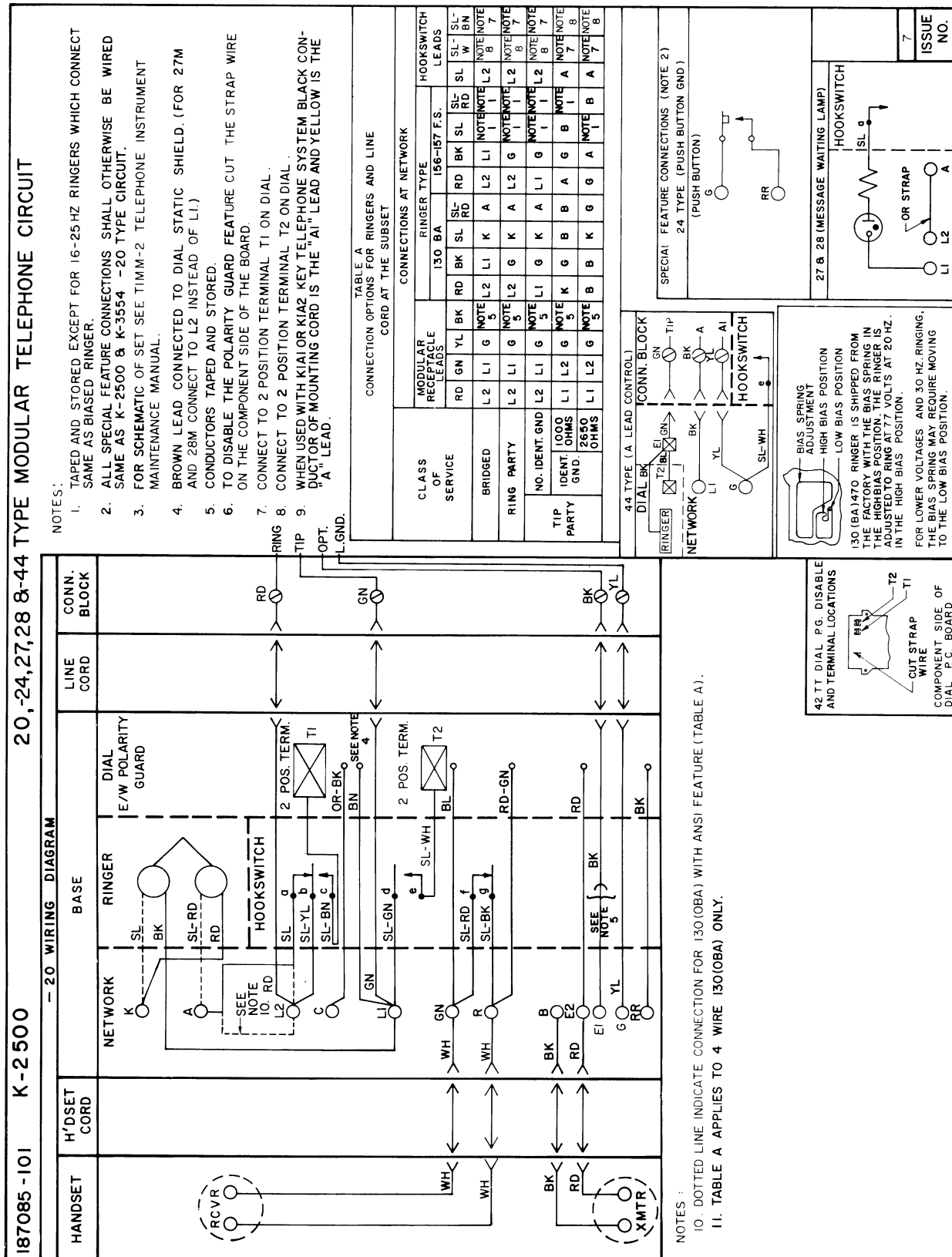


Figure 5: Circuit Label, Model 2500** QBA Types 20, 21, 24, 27, 28, 44; Model 2500** FBA Types 20, 24, 27, 28, 44; Model 2500** MBA Types 20, 21, 24, 27, 28, 44

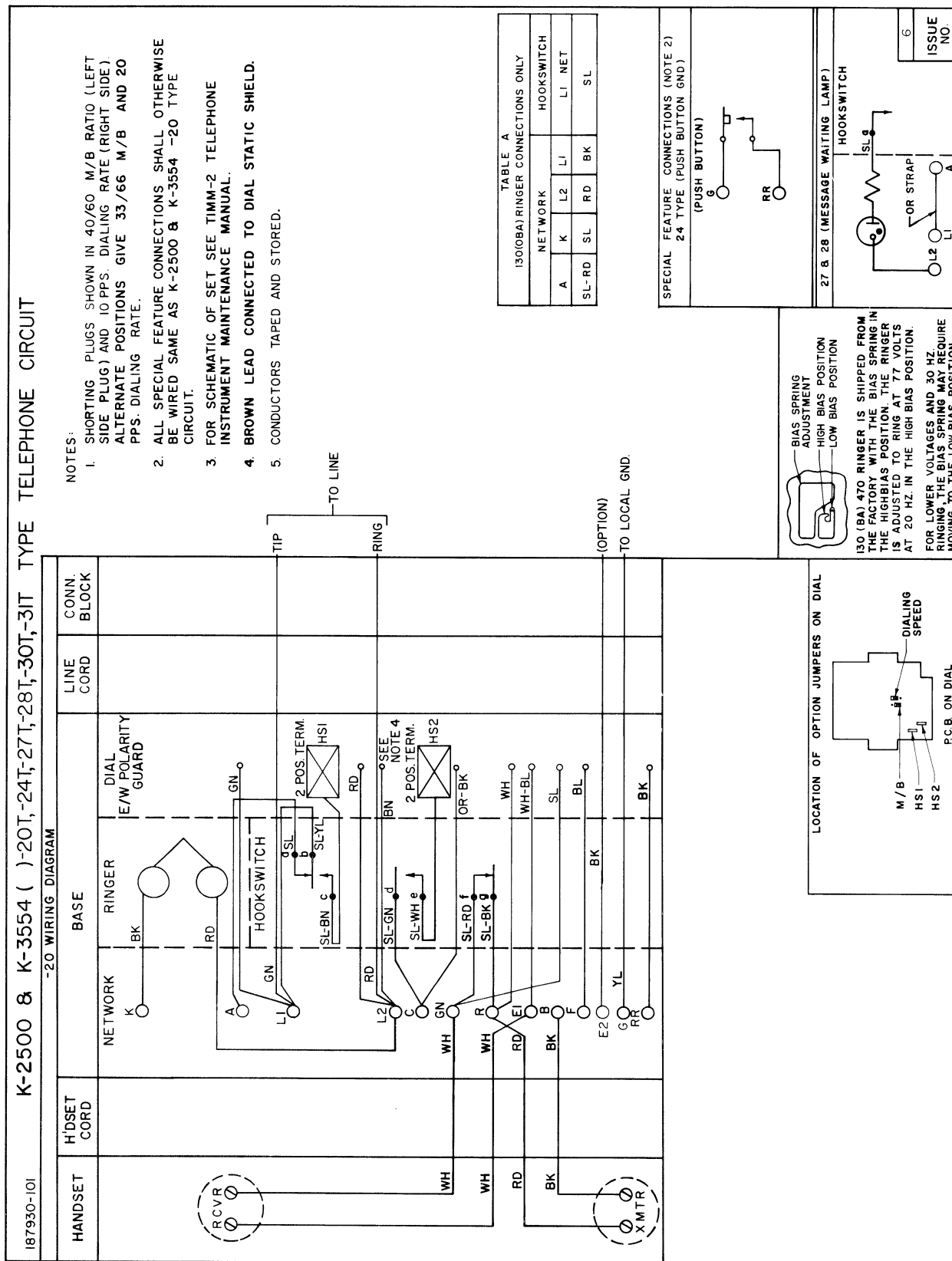


Figure 6: Circuit Label, Model 2500 OBA, Types 20T, 21T**

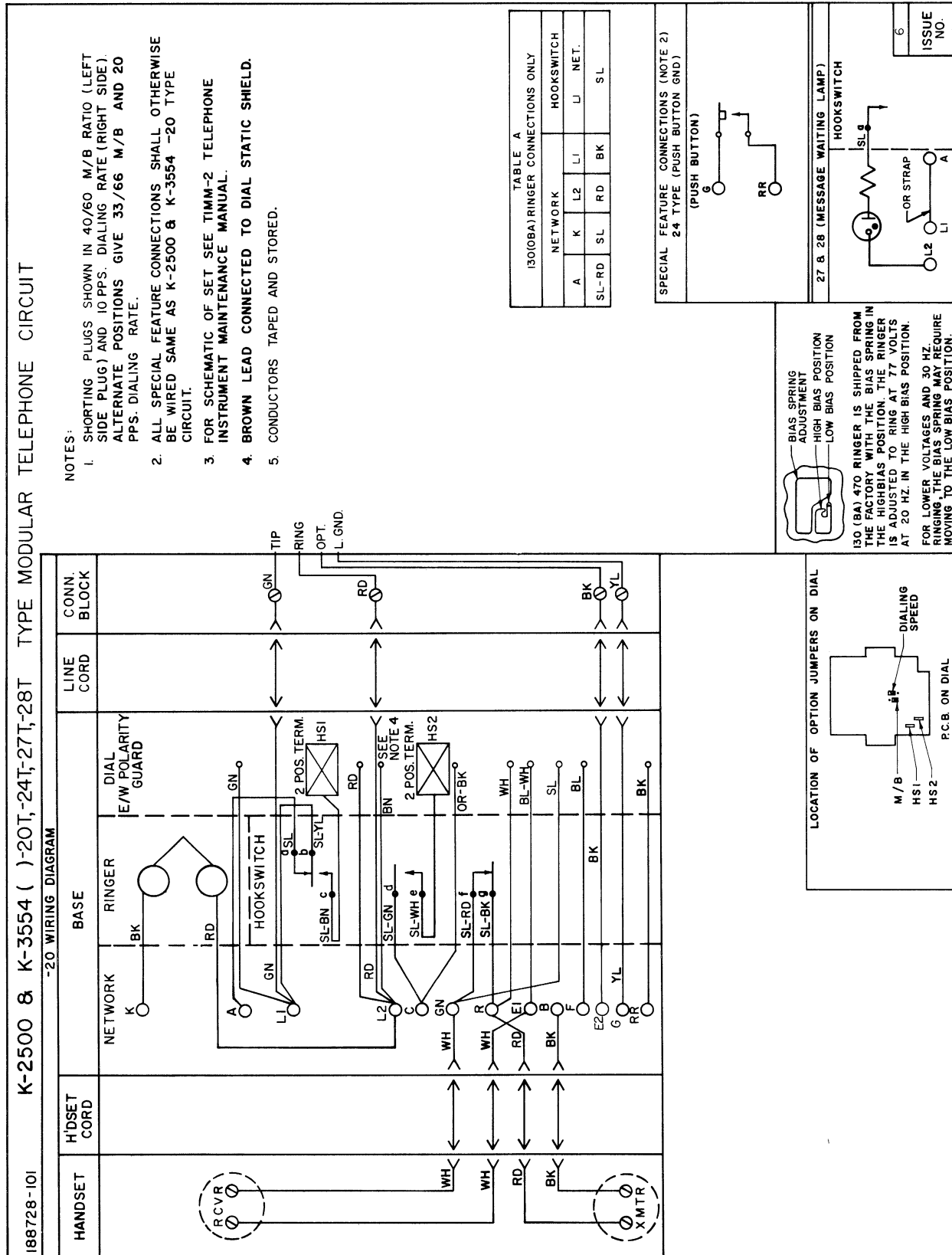


Figure 7: Circuit Label, Model 2500** QBA, Type 20T; Model 2500** FBA, Type 20T

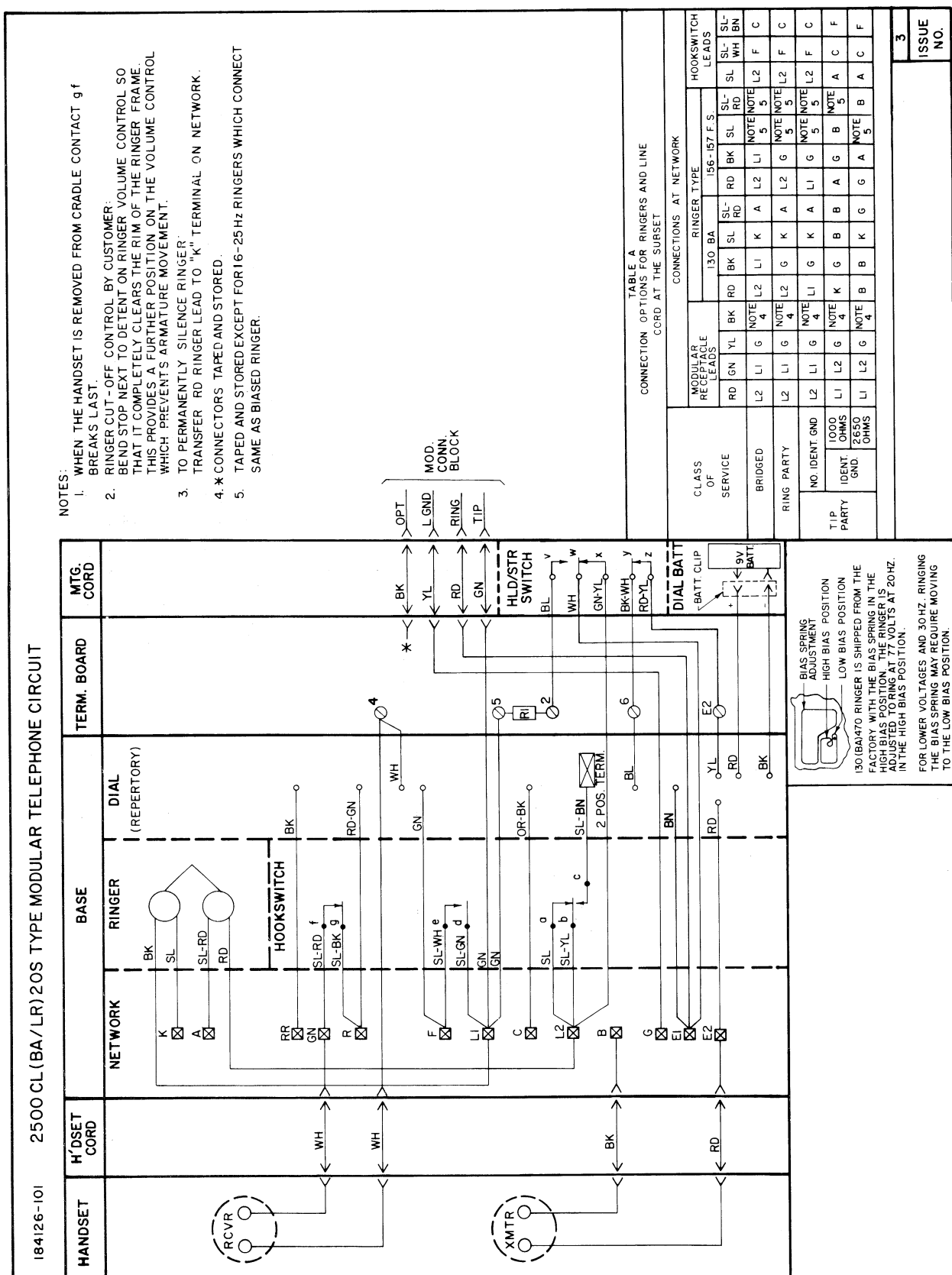


Figure 8: Circuit Label, Model 2500 QBA, Type 20S; Model 2500** FBA, Type 20S; Model 2500** MBA, Type 20S**

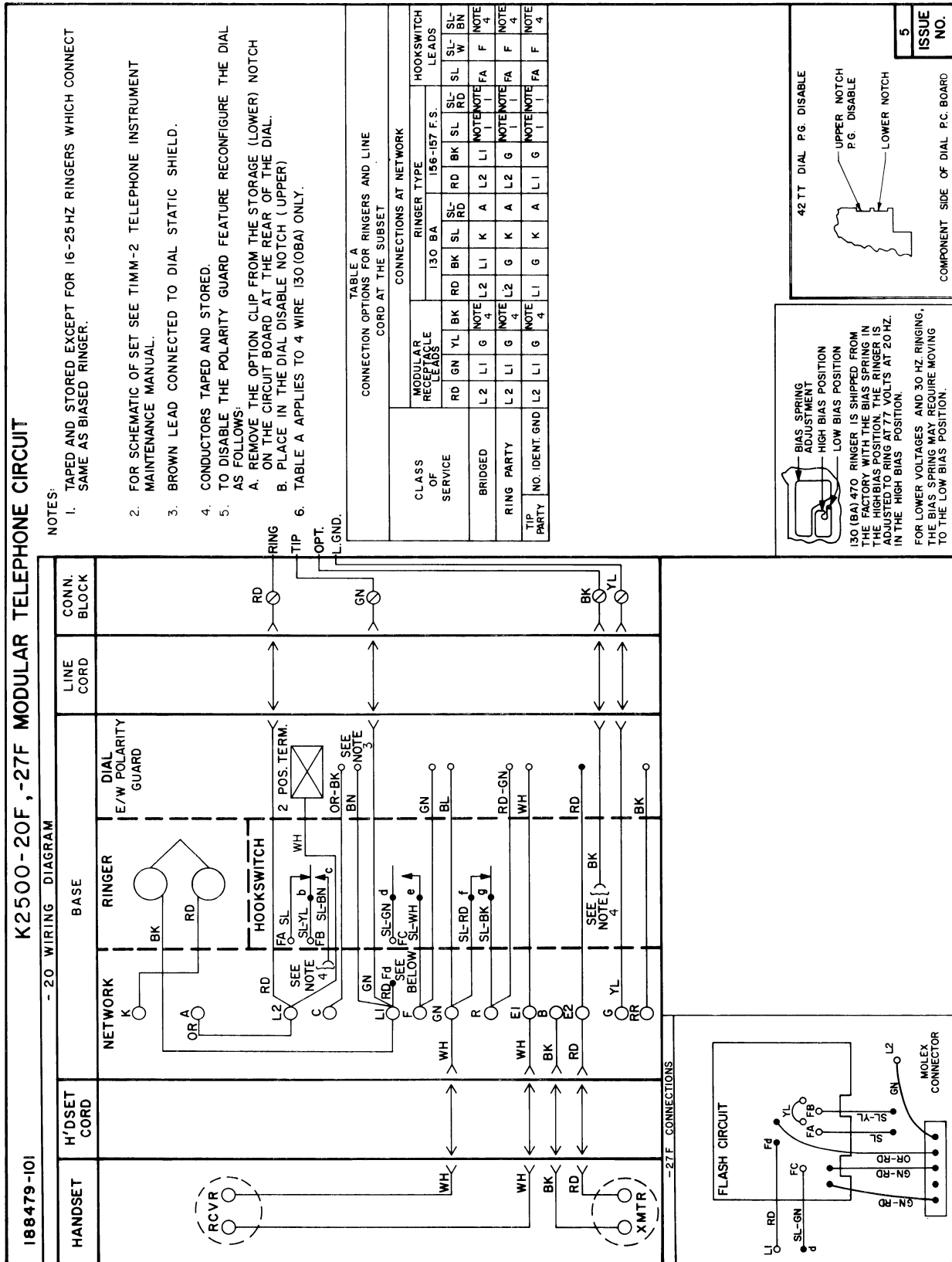


Figure 9: Circuit Label, Model 2500** QBA, Types 20F, 27F; Model 2500** FBA, Types 20F, 27F; Model 2500** MBA, Types 20F, 27F

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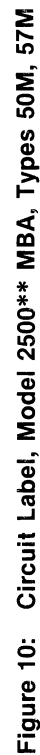


Figure 10:

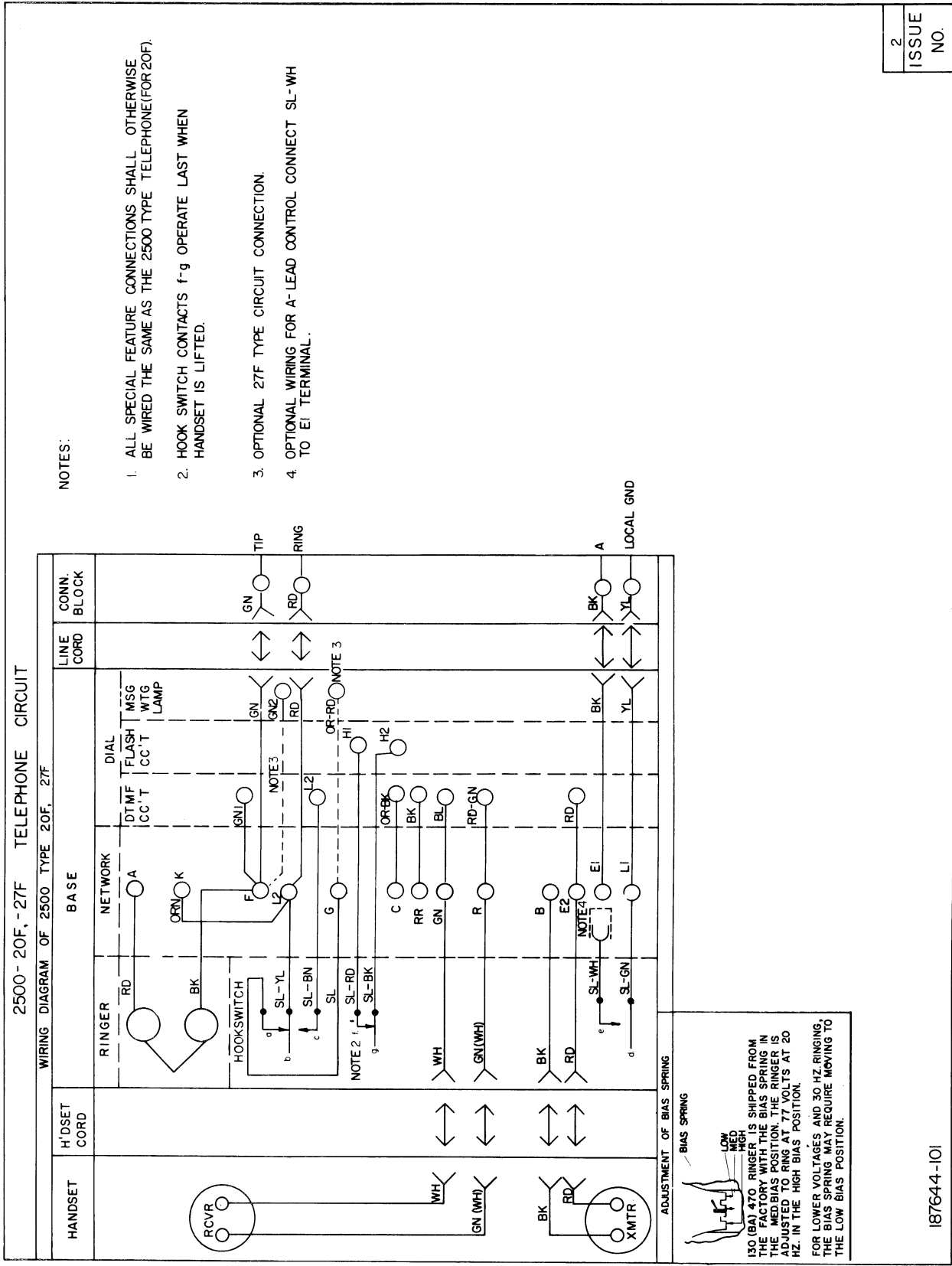


Figure 11: Circuit Label, Model 2500** MBA, Types 20F, 27F

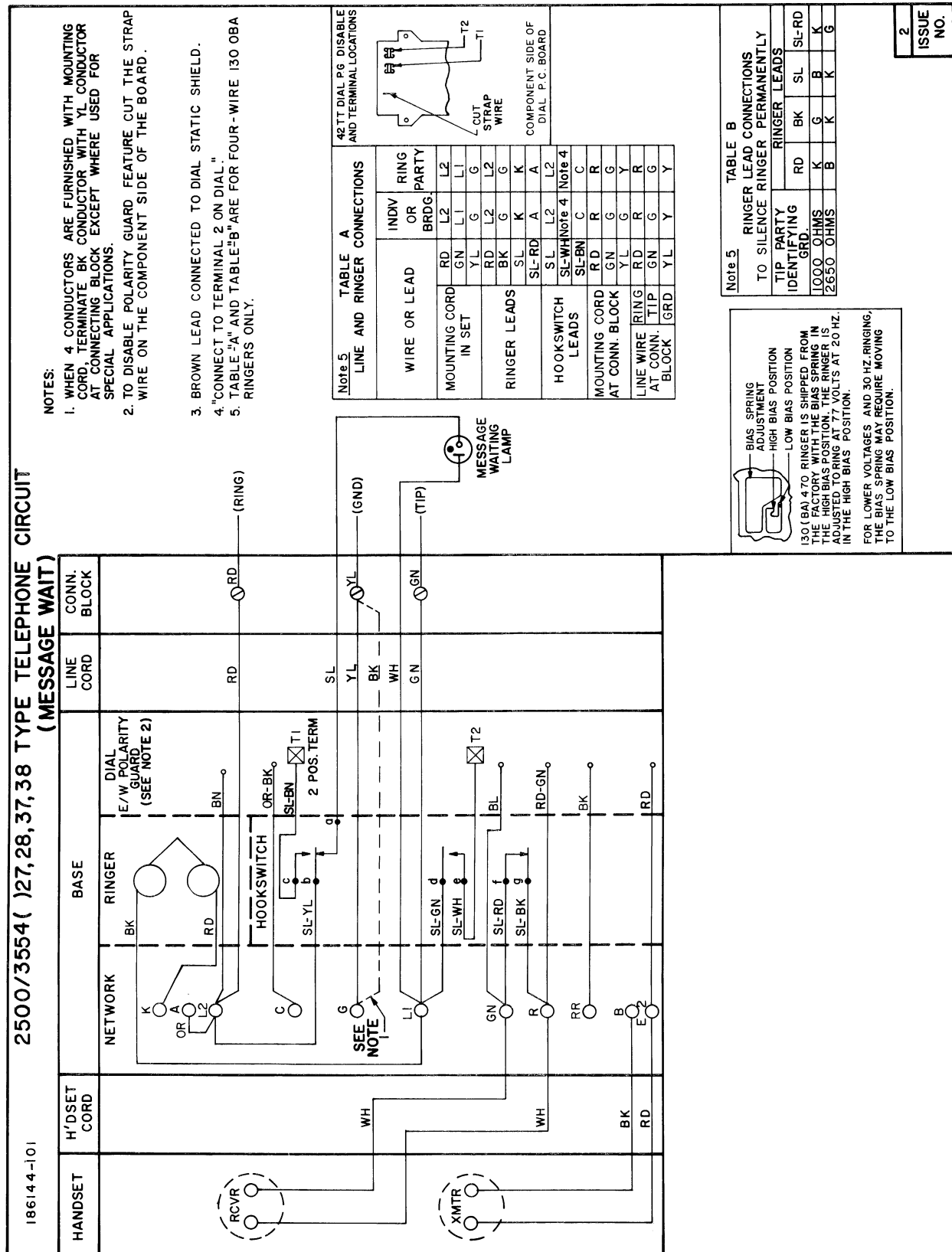


Figure 13: Circuit Label, Model 2500OBA, Types 27, 28**

K2500 -20F, -27F

187129-101

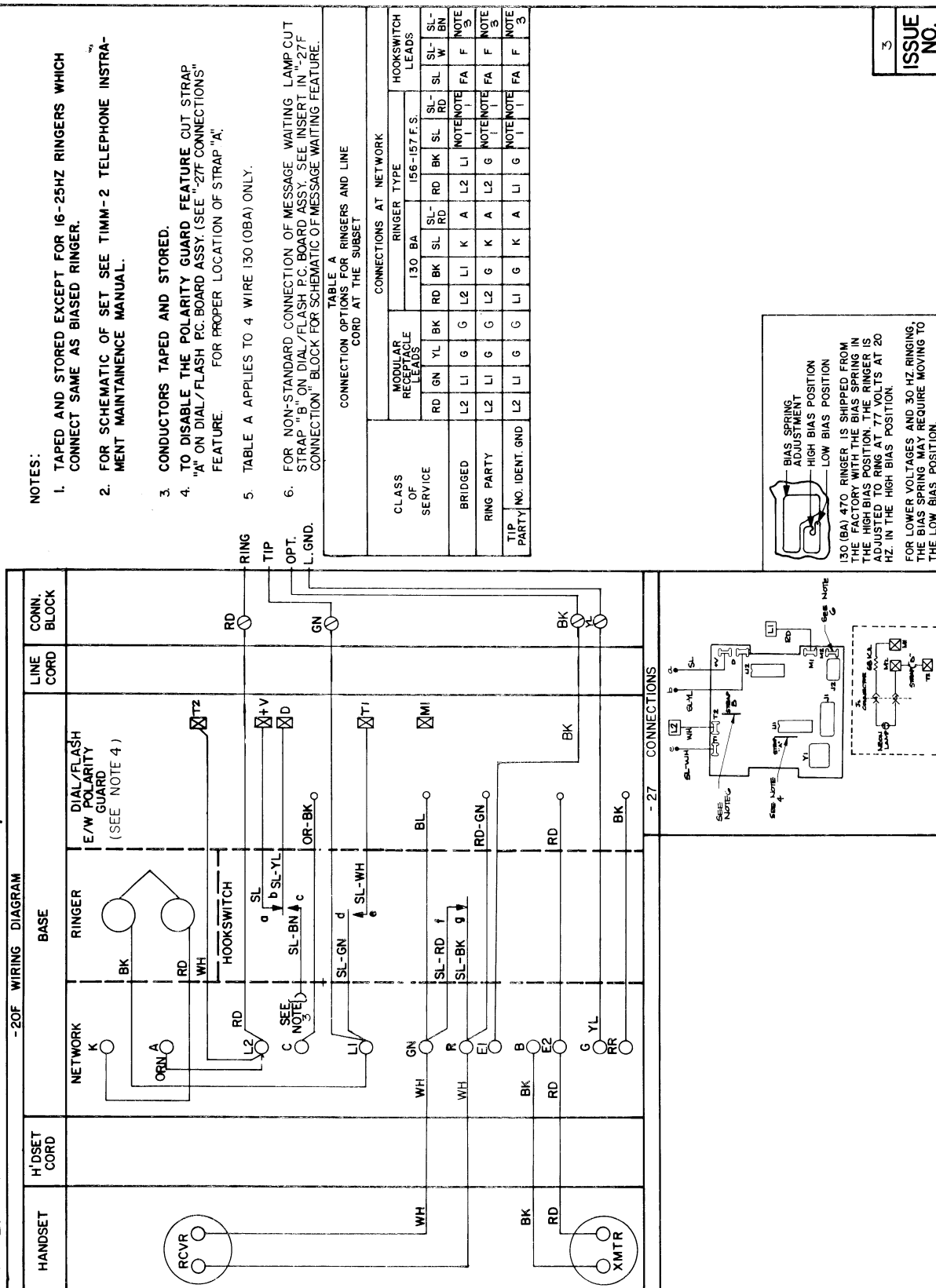


Figure 14: Circuit Label, Model 2500 OBA, Types 20F, 27F**

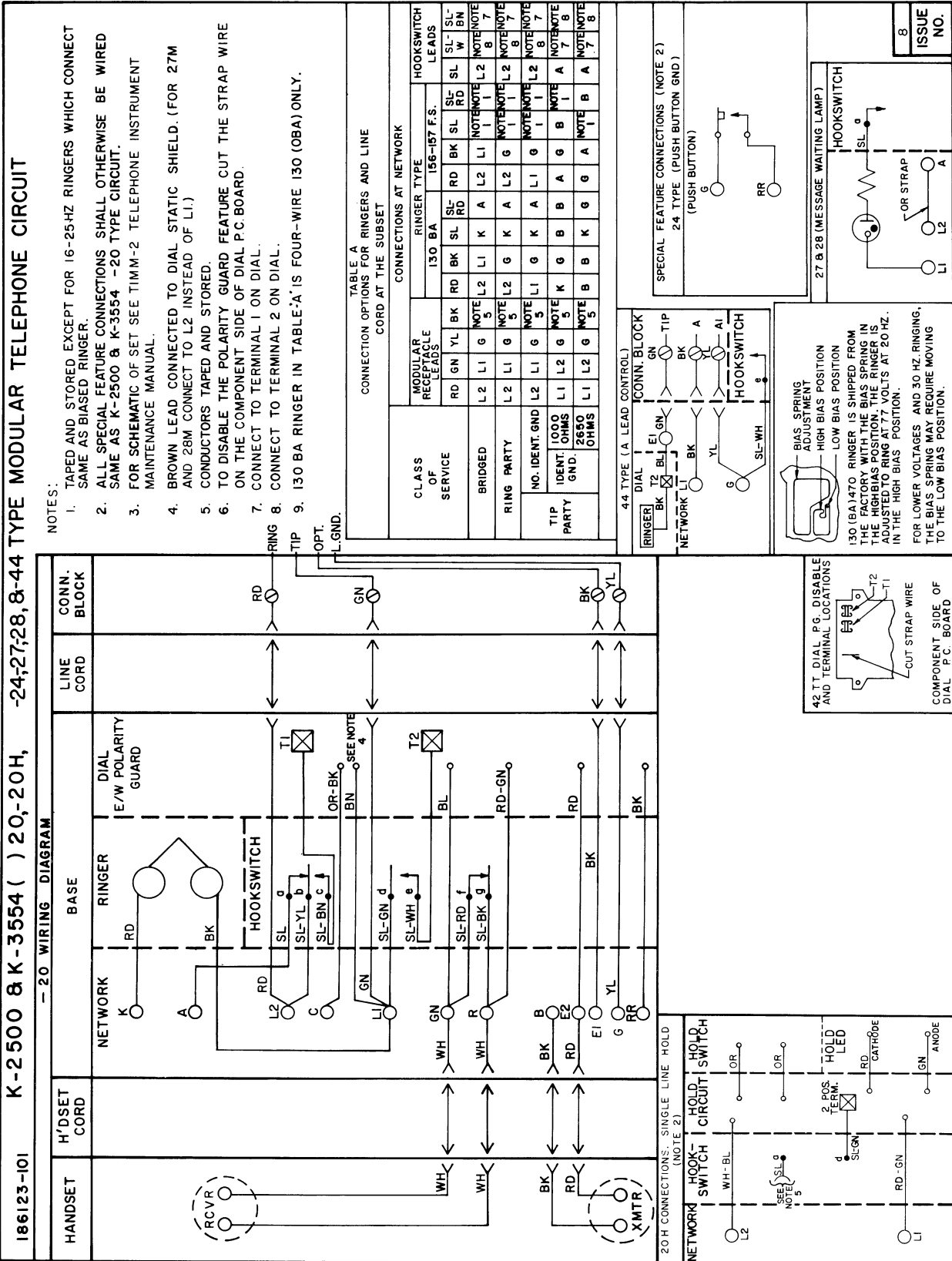
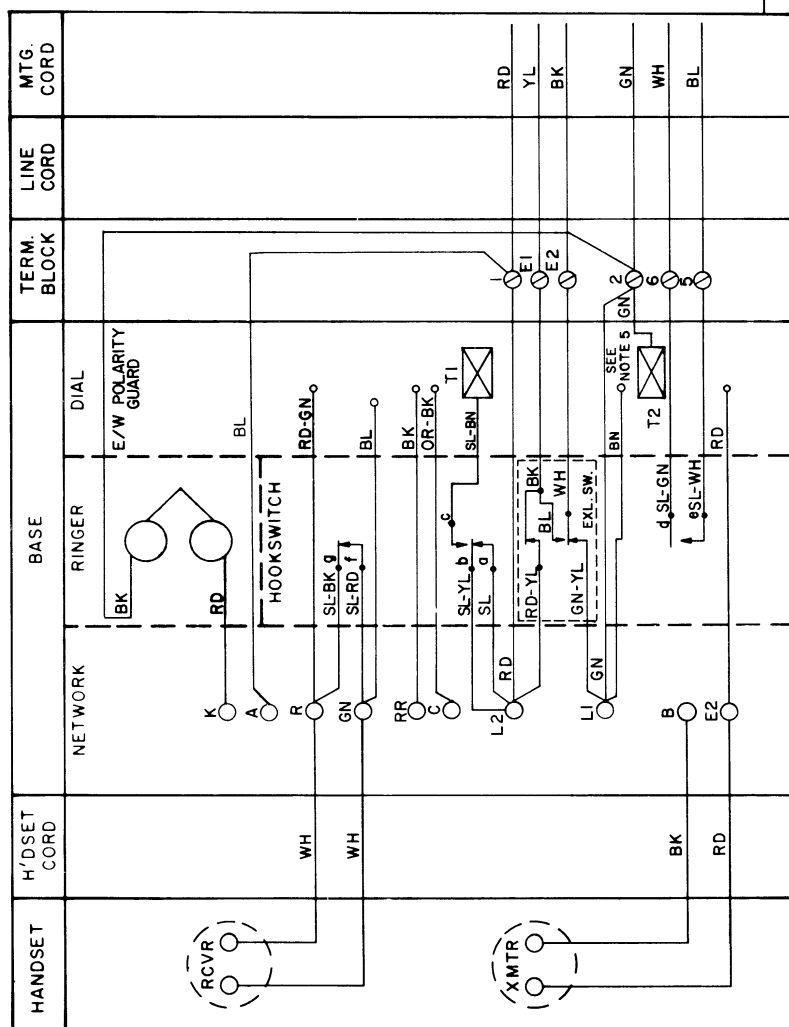


Figure 15: Circuit Label, Model 2500** OBA, Types 20, 24, 27, 28, 44; Model 2500** FBA, Types 20, 24, 27, 28, 44; Model 2500** MBA, Types 20, 24, 27, 28, 44

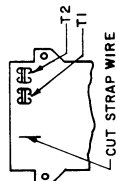
2502 () 30 TYPE TELEPHONE CIRCUIT

186148 - 101

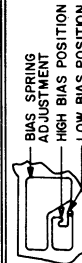


NOTES:

1. CONTACT SEQUENCE:
REMOVING HANDSET RESTORING HANDSET
A. d e CLOSES BEFORE b c A. f g CLOSES
B. f g OPENS B. c b OPENS BEFORE d e
2. TO PERMANENTLY SILENCE RINGER:
TRANSFER BK RINGER LEAD TO "K" TERMINAL ON NETWORK.
3. RINGER CUTOFF 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.
4. TO DISABLE POLARITY GUARD FEATURE CUT THE STRAP-WIRE ON THE COMPONENT SIDE OF THE DIAL P.C. BOARD.
5. BROWN LEAD CONNECTED TO DIAL STATIC SHIELD.

42TT DIAL P.G. DISABLE
AND TERMINAL LOCATIONS

COMPONENT SIDE OF DIAL P.C. BOARD



330 (BA) 470 RINGER IS SHIPPED FROM THE FACTORY WITH THE BIAS SPRING IN THE HIGH BIAS POSITION. THE RINGER IS ADJUSTED TO RING AT 77 VOLTS AT 20 HZ. IN THE HIGH BIAS POSITION.

FOR LOWER VOLTAGES AND 30 HZ. RINGING, THE BIAS SPRING MAY REQUIRE MOVING TO THE LOW BIAS POSITION.

6
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NO

Figure 16: Circuit Label, Model 2502 OBA, Type 30**