

30-BUTTON, PUSHBUTTON DIAL, DESK TELEPHONES

CIRCUIT LABELS

1. GENERAL

1.01 This document covers the 30-button, pushbutton dial, desk telephones. (See Figure 1.) Circuit labels for 30-button, pushbutton dial, desk telephones are included. (See Table A.)



AW 86-350

Figure 1: 30-Button, Pushbutton Dial, Desk Telephone

1.02 This section is reissued to provide the latest issue of circuit labels for the following 30-button, pushbutton dial, desk telephones:

- (a) Model 2861, Type 56
- (b) Model 2861, Type 76

1.03 For additional information on description and installation of the telephones, refer to Section 50-861-103. A replacement parts list and an exploded-view drawing for the telephones are contained in Section 50-861-104. Related documents of the ITT Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 2861 desk telephones are identified by a code number stamped in ink on the bottom of the base plate. Refer to Section 50-861-103 of the ITT Telephone Apparatus Practices Manual for ordering information and for an explanation of each code number.

1.05 The Model 2861 desk telephones are 30-button, pushbutton dial, anti-sidetone type units that operate efficiently over a wide range of loop resistances and line impedances. These telephones are designed for use with key telephone systems, such as the ITT 1A2 System, where several telephones have access to the same lines, CO trunks, or intercom lines.

TABLE A
LIST OF CIRCUIT LABELS

MODEL NO	TYPE NO	FIGURE NO
2861	56	2
2861	76	3

AW 86-384

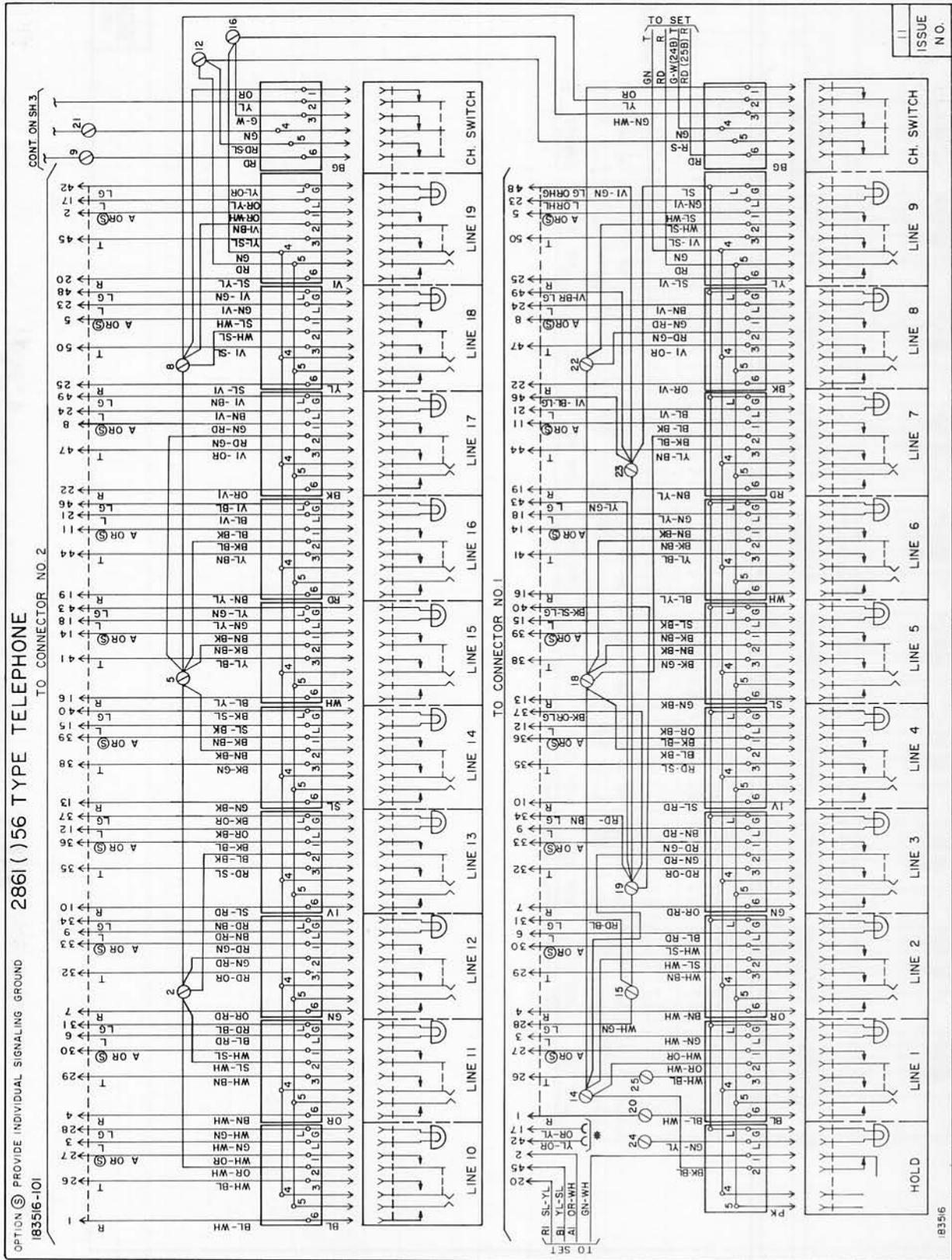
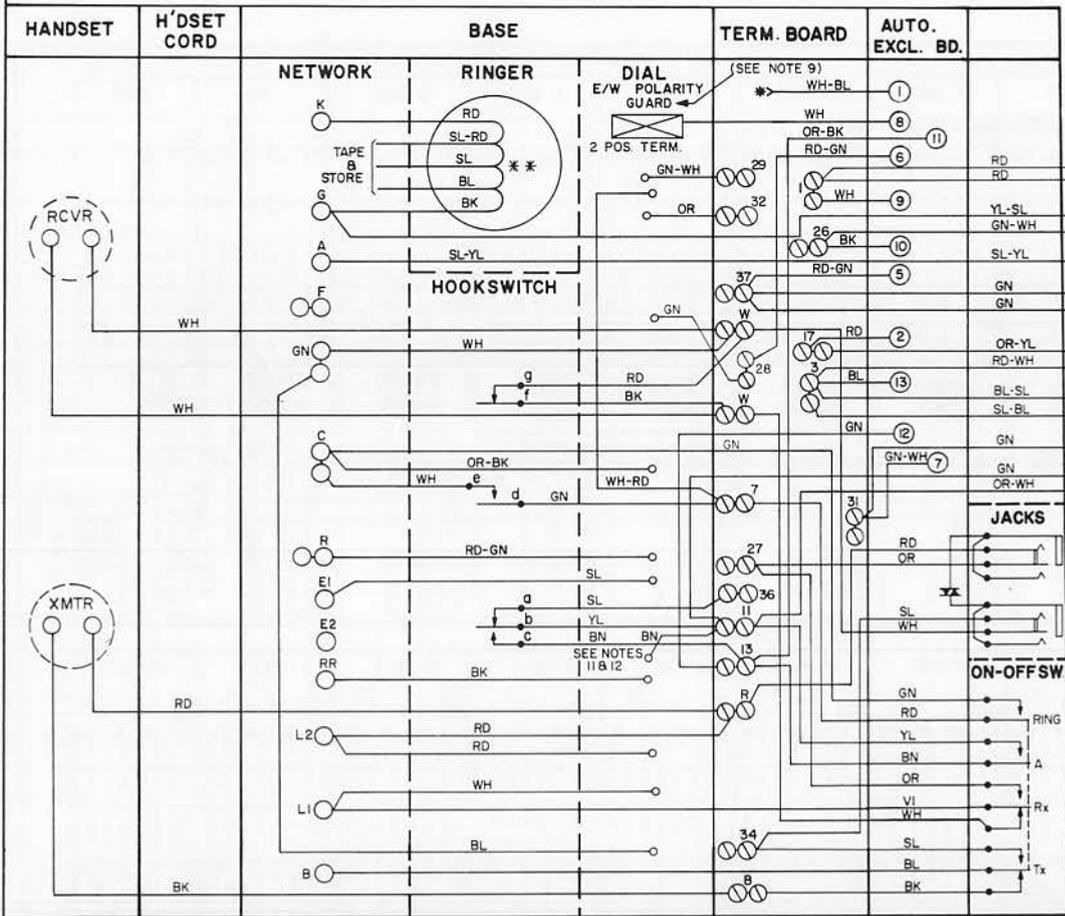


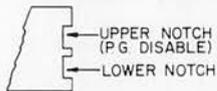
Figure 2: Circuit Label, Model 2861 Type 56 (Sheet 2 of 3)

2861 (BA/LR) 76M TYPE TELEPHONE CIRCUIT



- NOTE:
1. COMMON TIP, RING, AND LAMP GROUND BRASS BUS LINES PLUG INTO KEY AND FIT BETWEEN KEY AND TERMINAL.
 2. BRASS STRAP ON TERMINAL BOARD CONNECTS TERMINALS 2,5,8,4,6,10,14,18,22,15,19, AND 23.
 3. NUMBERED SCREW TERMINALS SHOWN ARE PART OF THE TERMINAL BOARD ASSEMBLY.
 4. * CONDUCTORS TAPED AND STORED.
 5. IT IS RECOMMENDED THAT NOT MORE THAN THREE (3) LAMP GROUND (LG) LEADS BE DISCONNECTED FOR USE AS OPTIONAL SPARE LEADS AS THIS PRACTICE CAN RESULT IN CROSS TALK AND 60HZ NOISE WHEN SETS ARE MULTIPLIED ON LONG CABLE RUNS.
 6. 76M FEATURE TELEPHONES REQUIRE -24V BATTERY ON SYSTEMS OTHER THAN THE K76A KSU. -24V SHALL BE SUPPLIED VIA PIN 17 OR-YL LEAD ON CONNECTOR PLUG.
 7. WHEN 76M TELEPHONES ARE USED ON THE K76A KSU AND CALL ANNOUNCERS ARE NOT USED, REFER TO KSP ***-101 FOR LOCATION OF -24V BATTERY TO USE WITH 76M TELEPHONE.
 8. IF HOME RUN CABLES ARE NOT PROVIDED AND SETS ARE MULTIPLIED, ANY TIME ONE (1) GROUND LEAD IS REMOVED TO BE UTILIZED AS A SPARE ALL ASSOCIATED MULTIPLIED SETS MUST HAVE THE SAME LEAD REMOVED.
 9. TO DISABLE POLARITY GUARD FEATURE, RECONFIGURE THE DIAL AS FOLLOWS:
 - (a) REMOVE THE OPTIONAL CLIP FROM THE STORAGE (LOWER) NOTCH ON THE CIRCUIT BOARD AT THE REAR OF THE DIAL.
 - (b) PLACE CLIP IN THE POLARITY GUARD DISABLE NOTCH (UPPER).
 10. ** SL, SL-RD & BL RINGER LEADS MANUFACTURE DISCONTINUED ON RINGERS DATE STAMPED 8-81 OR LATER.
 11. BROWN LEAD CONNECTED TO DIAL STATIC SHIELD.
 12. WHEN SUBSET IS INTERFACED TO A KEY SYSTEM, BN LEAD MUST BE CONNECTED TO KEY SYSTEM GROUND (AI).

46 T-T DIAL P.G. DISABLE



COMPONENT SIDE OF DIAL P.C. BOARD

9
ISSUE NO

Figure 3: Circuit Label, Model 2861 Type 76 (Sheet 1 of 3)

183517-101

2861(BA/LR)76M TYPE TELEPHONE

TO CONNECTOR NO. 2

CONT. ON SH. 3

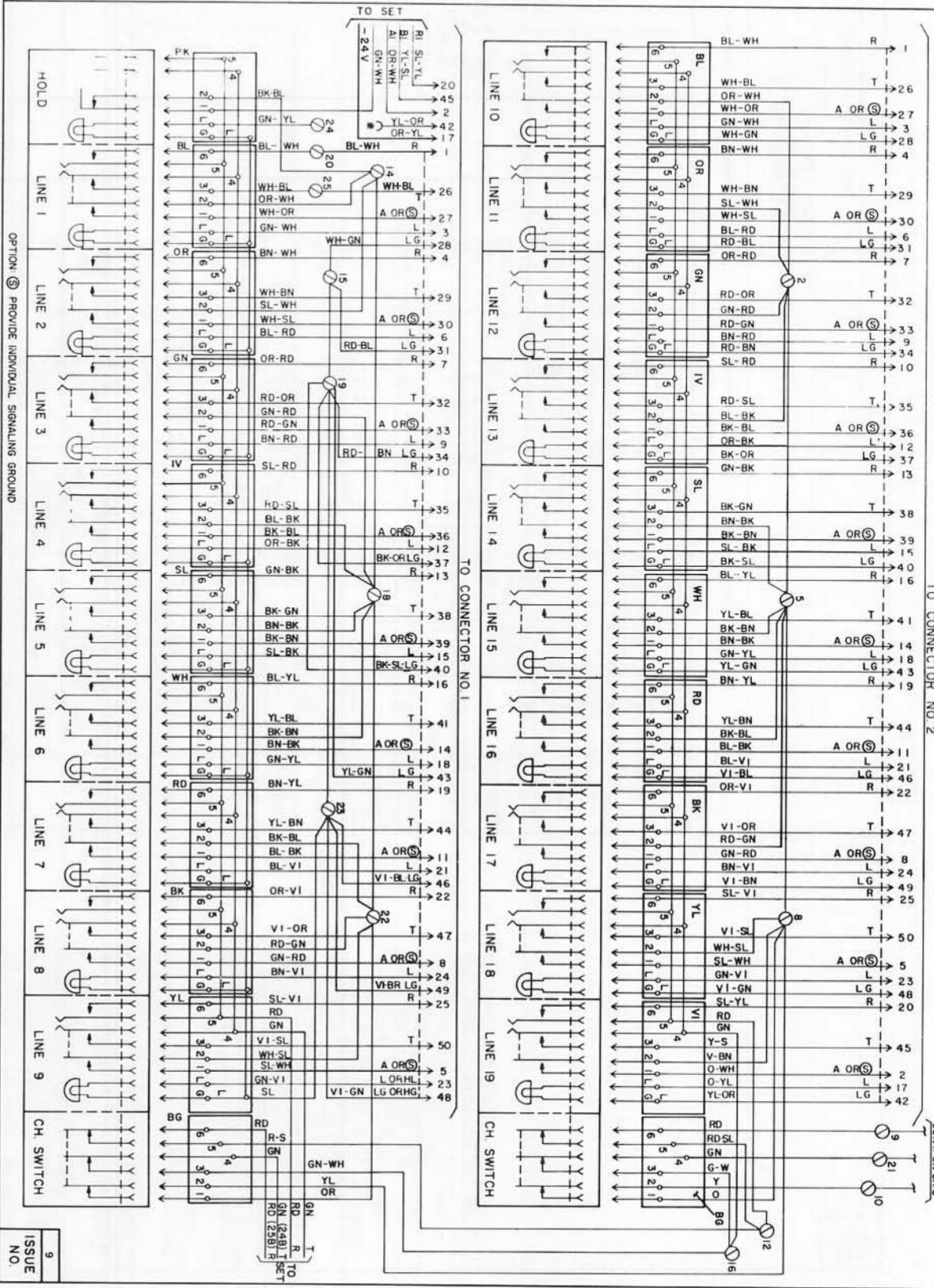
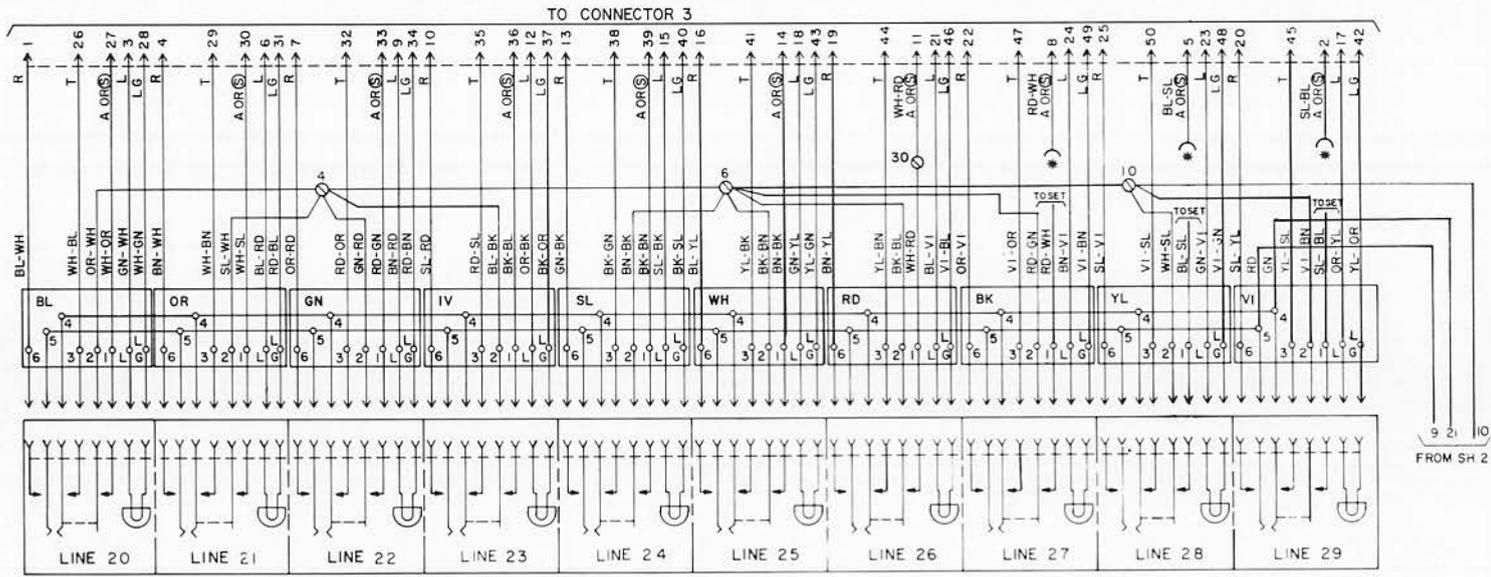


Figure 3: Circuit Label, Model 2861 Type 76 (Sheet 2 of 3)

2861(BA/LR)76M TYPE TELEPHONE CIRCUIT



OPTION ⑤ PROVIDE INDIVIDUAL SIGNALING GROUND

9
ISSUE
NO

Figure 3: Circuit Label, Model 2861 Type 76 (Sheet 3 of 3)