

10-BUTTON, ROTARY DIAL, DESK TELEPHONES WITH BUSY LAMP FIELD CIRCUIT LABELS

1. GENERAL

1.01 This document covers the 10-button, rotary dial, desk telephones with busy lamp field. (See Figure 1.) Circuit labels for 10-button, rotary dial, desk telephones with busy lamp field are included. (See Table A.)



AW 86-393

Figure 1: 10-Button, Rotary Dial, Desk Telephone W/BLF

1.02 This section is reissued to reflect changes in the 10-button, rotary dial, desk telephones with busy lamp field.

1.03 For additional information on description and installation of the telephones, refer to Section 50-835-100. A replacement parts list and an exploded-view drawing for the telephones are contained in Section 50-835-101. Related documents of the ITT Telephone Apparatus Practices Manual provide information on components.

1.04 The Model 835 desk telephones are identified by a code number stamped in ink on the bottom of the base plate. Refer to Section 50-835-100 of the ITT Telephone Apparatus Practices Manual for ordering information and for an explanation of each code number.

1.05 The Model 835 desk telephones are 10-button, rotary 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. All models include a busy lamp field with lamps for 24 stations. Each telephone is equipped with a 100-conductor mounting cord terminated in two 50-pin (25-pair) Amphenol-type connectors. One connector is dedicated to the busy lamp field.

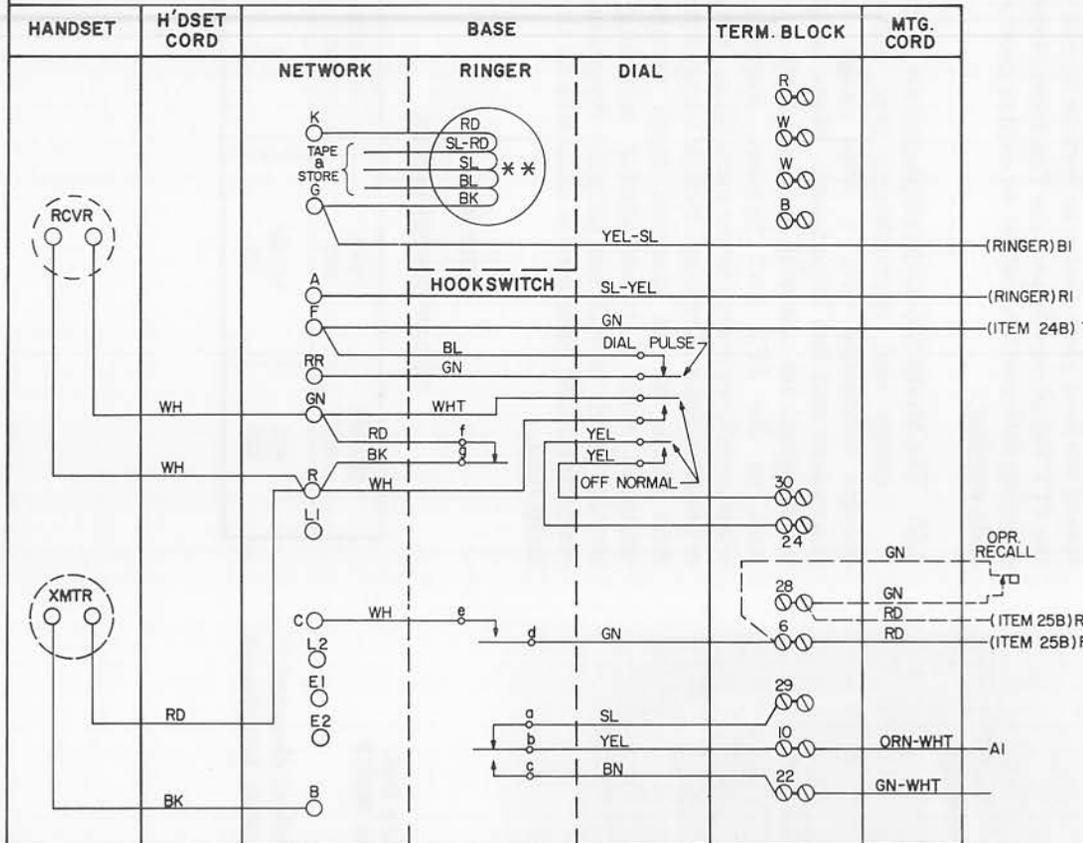
**TABLE A
LIST OF CIRCUIT LABELS**

MODEL NO	TYPE NO	FIGURE NO
835	42, 46	2
835	76	3

AW 86-426

183530-101

835 TYPE TELEPHONE CIRCUIT



NOTES:

1. COMMON TIP, RING, AND LAMP GROUND BRASS BUS LINES PLUG INTO KEY AND FIT BETWEEN KEY AND TERMINAL PLUG.
2. BRASS STRAP ON TERMINAL BOARD CONNECTS TERMINALS 7, 11, AND 15. STRAP TERMINALS R, W & W FOR COMMON LAMP GROUND.
3. NUMBERED SCREW TERMINALS SHOWN ARE PART OF TERMINAL BOARD ASSEMBLY.
4. * CONDUCTORS TAPED & STORED
5. BROKEN LINES SCHEMATIC INDICATE CONNECTIONS FOR OPERATOR RECALL ON TELEPHONES WITH SPECIAL FEATURE CODE 46M. IF OPERATOR RECALL IS USED, WH WIRE FROM HOOKSWITCH TERMINAL * IS CONNECTED TO TERMINAL BLOCK SCREW 28 INSTEAD OF NETWORK TERMINAL C.
6. 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.
7. IT IS RECOMMENDED THAT NOT MORE THAN THREE (3) LAMP GROUND (LG) LEADS BE DISCONNECTED FOR USE AS OPTIONAL SPARE LEADS BE DISCONNECTED FOR USE AS OPTIONAL SPARE LEADS AS THIS PRACTICE CAN RESULT IN CROSSTALK AND 60HZ NOISE WHEN SETS ARE MULTIPLIED ON LONG CABLE RUNS.
8. ** SL, SL-RD & BL RINGER LEADS MANUFACTURE DISCONTINUED ON RINGERS DATE STAMPED 8-81 OR LATER.

6
ISSUE
NO

Figure 2: Circuit Label, Model 835 Types 42, 46 (Sheet 1 of 3)

183530-101

835 TYPE TELEPHONE CIRCUIT

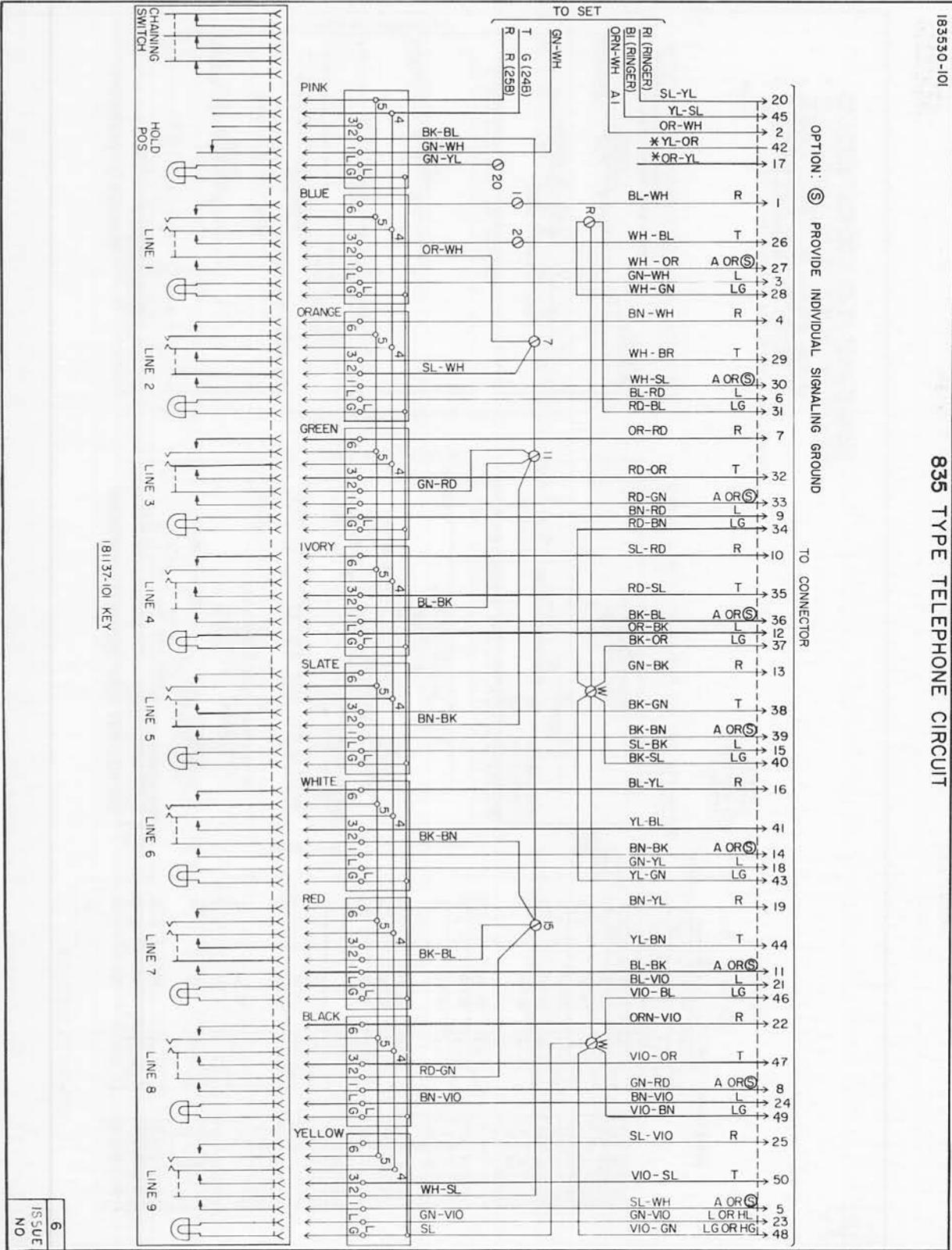


Figure 2: Circuit Label, Model 835 Types 42, 46 (Sheet 2 of 3)

183530-101

835 TYPE TELEPHONE CIRCUIT

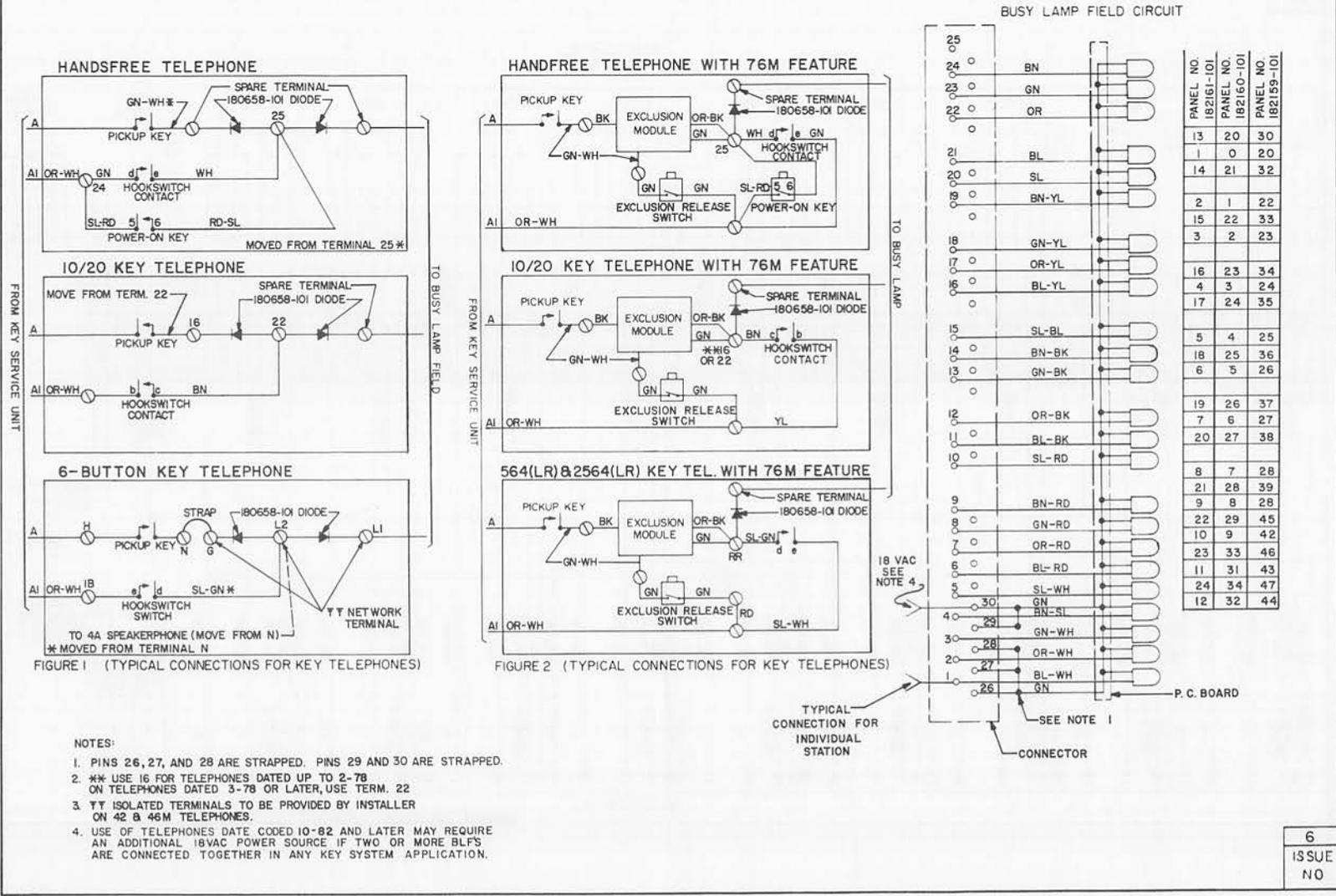
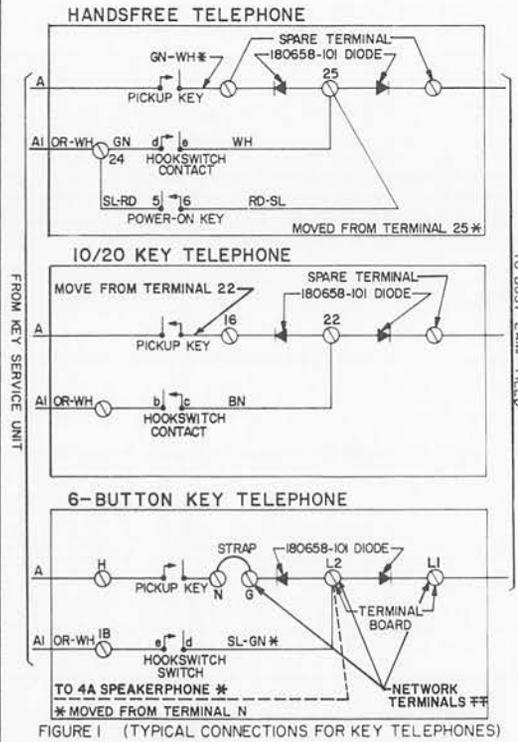


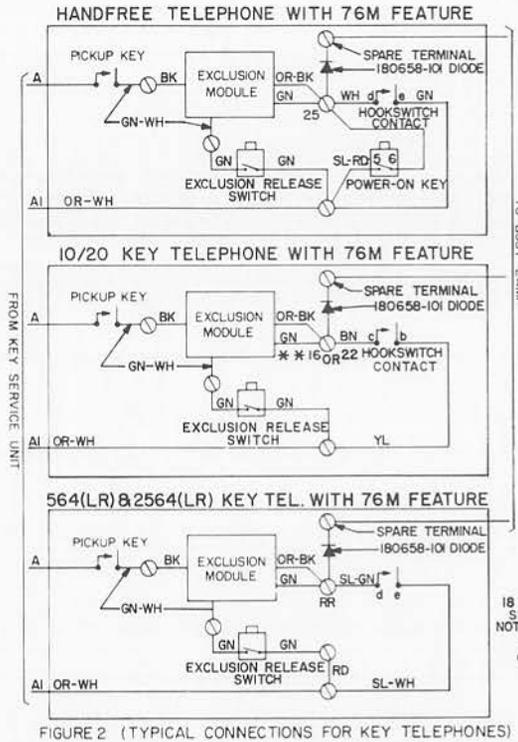
Figure 2: Circuit Label, Model 835 Types 42, 46 (Sheet 3 of 3)

6
ISSUE
NO



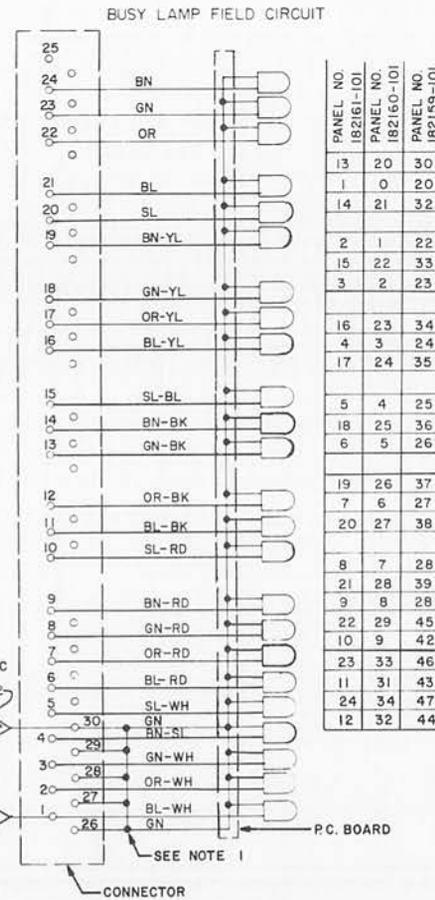
NOTE:

1. PINS 26, 27, 28, 29, & 30 ARE STRAPPED.
2. USE OF TELEPHONES DATE CODED 10-82 AND LATER MAY REQUIRE AN ADDITIONAL 18 VAC POWER SOURCE IF TWO OR MORE BLFS ARE CONNECTED TOGETHER IN ANY KEY SYSTEM APPLICATION.



** USE TERMINAL 16 FOR TELEPHONES DATED UP TO 2-78, TELEPHONES DATED 3-78 OR LATER, USE TERMINAL 22.

FF ISOLATED TERMINALS TO BE PROVIDED BY INSTALLER ON 42 & 46M TYPE TELEPHONES.



TYPICAL CONNECTION FOR INDIVIDUAL STATION

Figure 3: Circuit Label, Model 835 Type 76 (Sheet 3 of 3)