

831- AND 2831-TYPE TELEPHONE SETS
(4-WIRE RELAY CONNECTIONS)

1. GENERAL

1.001 This Addendum supplements Section 503-702-101. Place this sheet ahead of Page 1 of this section.

1.002 This Addendum is issued to show the P-90D145 wiring board used in the modification of the 831- and 2831-Type Telephone Sets for 4-wire operation.

6. OPTIONAL FEATURES

MODIFICATION OF 20-BUTTON TELEPHONE SETS
FOR 4-WIRE OPERATION

6.001 The P-90D145 wiring board enables one or more of the pickup buttons on a 20-button telephone set to be utilized as a 4-wire circuit.

INSTALLATION

6.002 The 831- and 2831-Type Telephone Sets are to be modified as shown in Exhibits 2 and 3. The P-90D145 wiring board is to be mounted inside the telephone set and wiring should be spliced as required. Spare leads in the 50 pair Mtg. Cord may be used for connecting to the 4-wire circuit, if available. A D-180454 Kit-of-Parts may be used if spare leads are not available. (See Section 518-230-101).

6.003 Exhibit 1 shows the wiring schematic for the P-90D145 wiring board. The relay is mounted on a wiring board which contains holes for mounting in the set.

ORDERING INFORMATION

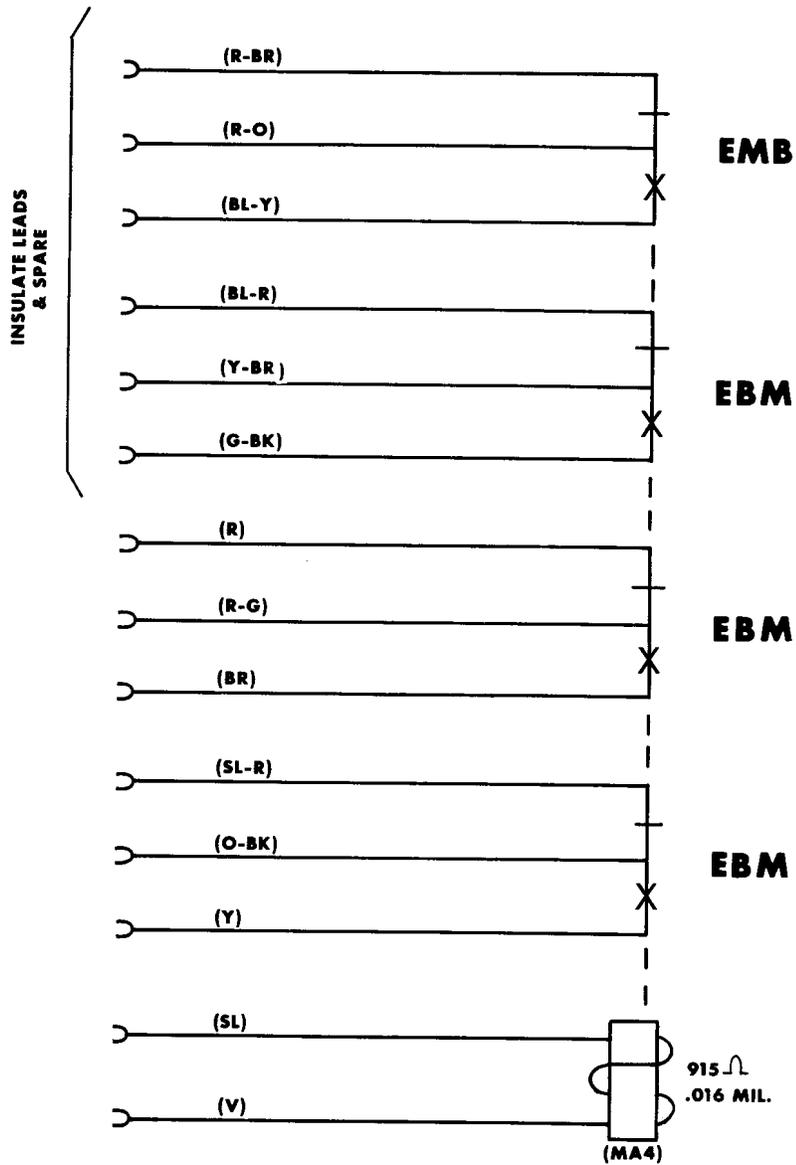
6.004 The following material is required for each telephone set to be modified, and may be ordered via the Order Invoice Plan.

(Qua.) - P-90D145 Printed Wiring Board

NOTE: When modifying an 831-Type set, the 8RA Dial must be replaced with an 8CA Dial.

EXHIBIT 1

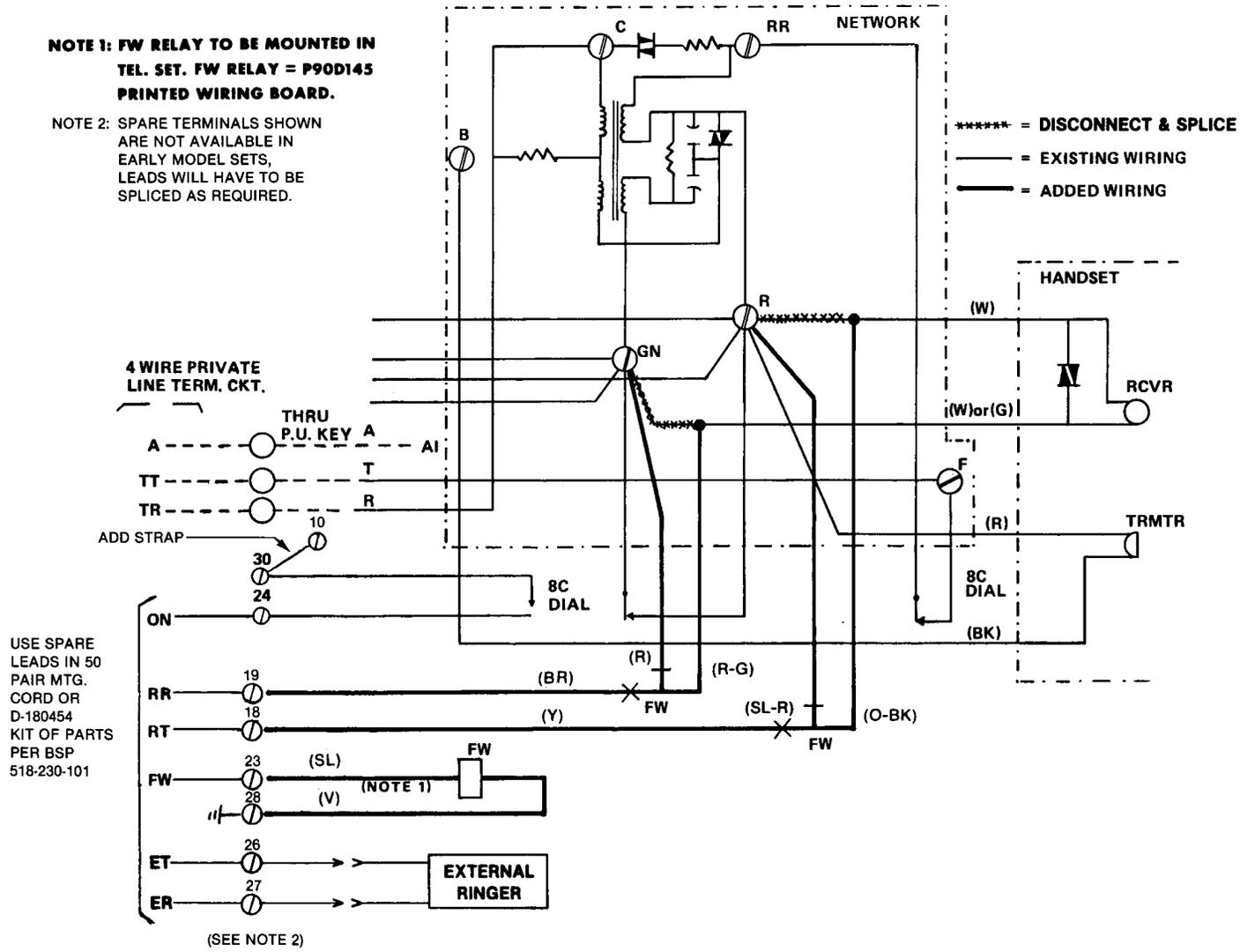
WIRING SCHEMATIC FOR P-90D145 RELAY



P-90D145 PRINTED WIRING BOARD

NOTE 1: FW RELAY TO BE MOUNTED IN TEL. SET. FW RELAY = P90D145 PRINTED WIRING BOARD.

NOTE 2: SPARE TERMINALS SHOWN ARE NOT AVAILABLE IN EARLY MODEL SETS, LEADS WILL HAVE TO BE SPLICED AS REQUIRED.



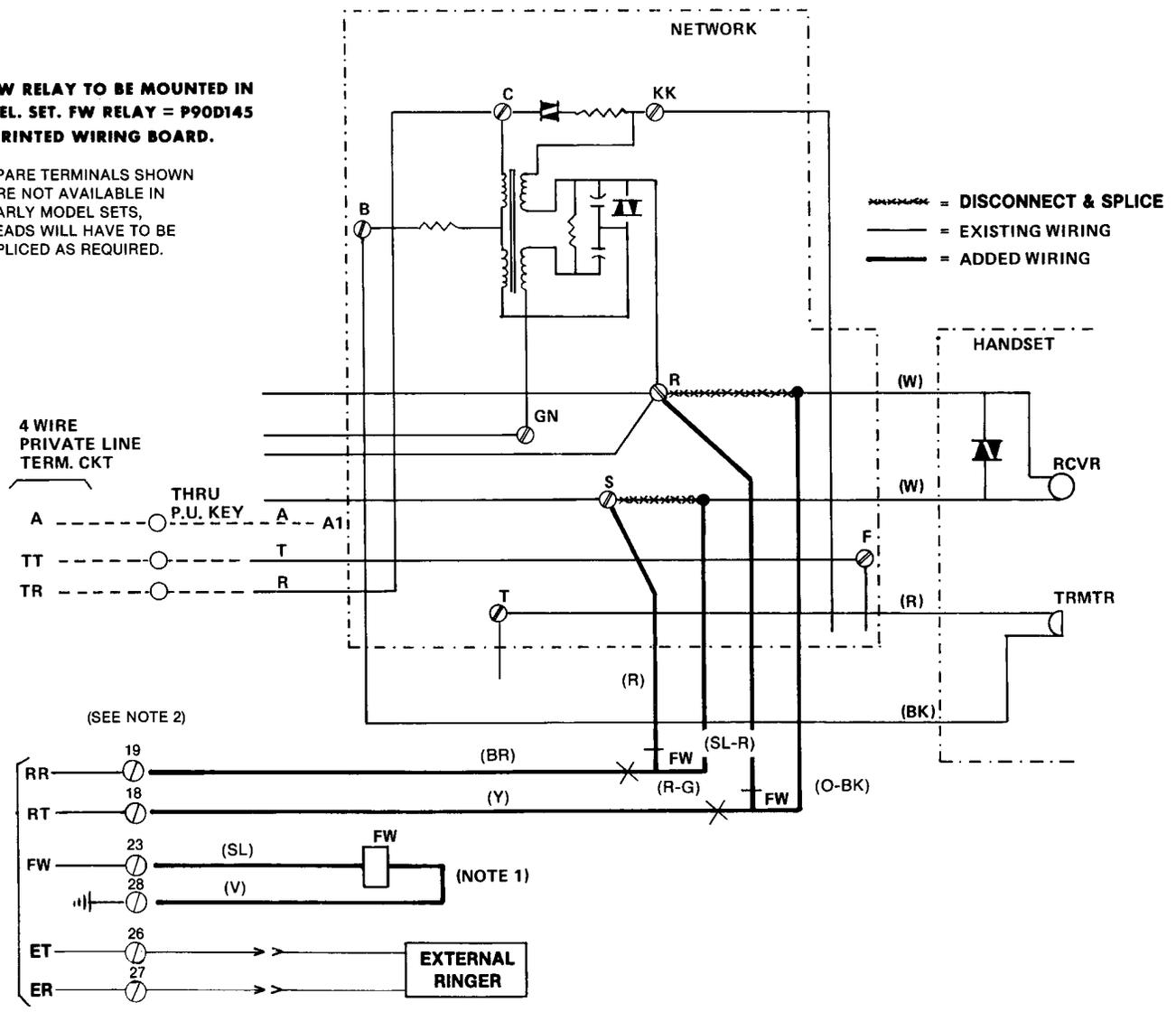
USE SPARE LEADS IN 50 PAIR MTG. CORD OR D-180454 KIT OF PARTS PER BSP 518-230-101

(SEE NOTE 2)

MODIFICATION OF 831-TYPE TELEPHONE SETS FOR FOUR-WIRE OPERATION

EXHIBIT 2

MODIFICATION OF 2831-TYPE TELEPHONE SETS
FOR FOUR-WIRE OPERATION



NOTE 1: FW RELAY TO BE MOUNTED IN TEL. SET. FW RELAY = P90D145 PRINTED WIRING BOARD.

NOTE 2: SPARE TERMINALS SHOWN ARE NOT AVAILABLE IN EARLY MODEL SETS, LEADS WILL HAVE TO BE SPICED AS REQUIRED.

USE SPARE LEADS IN 50 PAIR MTG. CORD OR D-180454 KIT OF PARTS PER BSP 518-230-101