

“DATASPEED*” 40/4

SINGLE DISPLAY STATION ARRANGEMENTS

WIRING DIAGRAMS

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410277 AND 410351 BACK PANEL ASSEMBLY PHYSICAL LAYOUT	4	1.01 This section provides wiring diagrams and cable components for DATASPEED 40/4 Single Display Station (SDS) equipment (DATA- SPEED 40 hereafter will be referred to as 40-type or 40-type equipment) with the following excep- tions.	
410276 BACK PANEL ASSEMBLY PHYSICAL LAYOUT.....	5	(a) Monitor, see Section 582-213-400.	
BACK PANEL ASSEMBLY WIRING	6	(b) Monitor Support Cabinet, see Section 582-212-400.	
410277 AND 410351 INTERNAL WIRING	9	(c) Printer, see Section 582-210-400.	
410276 INTERNAL WIRING.....	15	(d) Printer Cabinet, see Section 582-210-400.	
40PSU101 POWER SUPPLY.....	20	1.02 This section is reissued to include the SDS equipped with a new 410351 back panel. The section also includes information on the new 454208 and 454209 EIA cables.	
OPCONS.....	21	1.03 This information, when used in conjunc- tion with Test and Troubleshooting Section 582-200-505, will aid in locating cabling faults.	
A. 40K104/DAB (Early Design)...	21	1.04 Voltage levels are provided in power supply diagrams only.	
B. 40K104/DAB (Late Design), 40K105/CAA and 40K203/GAB	22	<i>Note:</i> When ordering replaceable parts or com- ponents, unless otherwise specified, prefix each part number with the letters “TP” (ie, TP410055).	
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2. WIRING DIAGRAMS

2.01 The following wiring diagrams provide coverage for the Single Display Station (SDS) equipped with either a 40C304-type controller or 40C305-type controller.

SINGLE DISPLAY ARRANGEMENTS

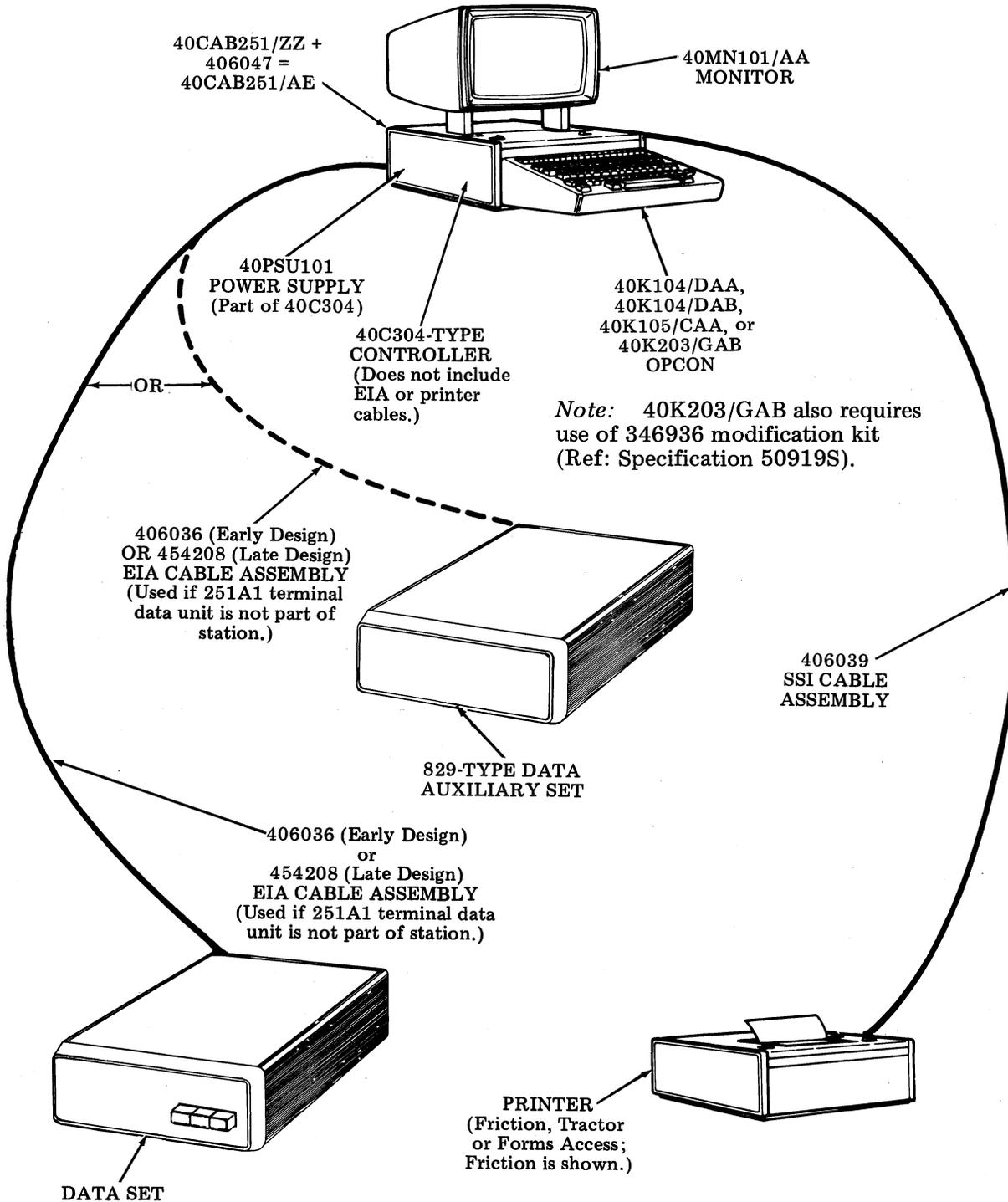
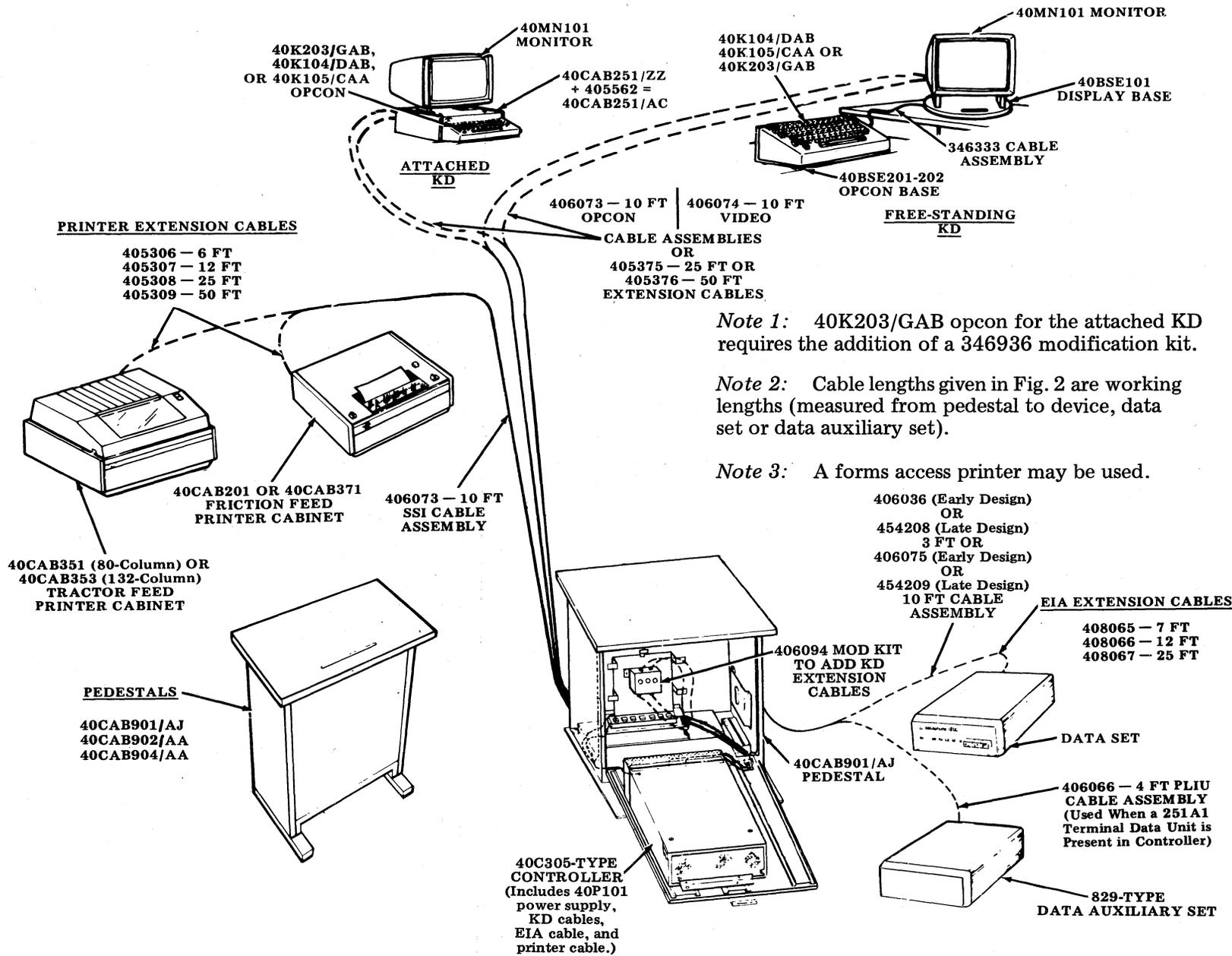


Fig. 1—Examples of SDS Equipped With 40C304 (AD) Type Controller



Note 1: 40K203/GAB opcon for the attached KD requires the addition of a 346936 modification kit.

Note 2: Cable lengths given in Fig. 2 are working lengths (measured from pedestal to device, data set or data auxiliary set).

Note 3: A forms access printer may be used.

Fig. 2—Examples of SDS Equipped With 40C305-Type Controller

410277 AND 410351 BACK PANEL ASSEMBLY PHYSICAL LAYOUT

Note: Fig. 3 shows the 410277 or 410351 back panel (late design). Fig. 4 shows the 410276 back panel (early design).

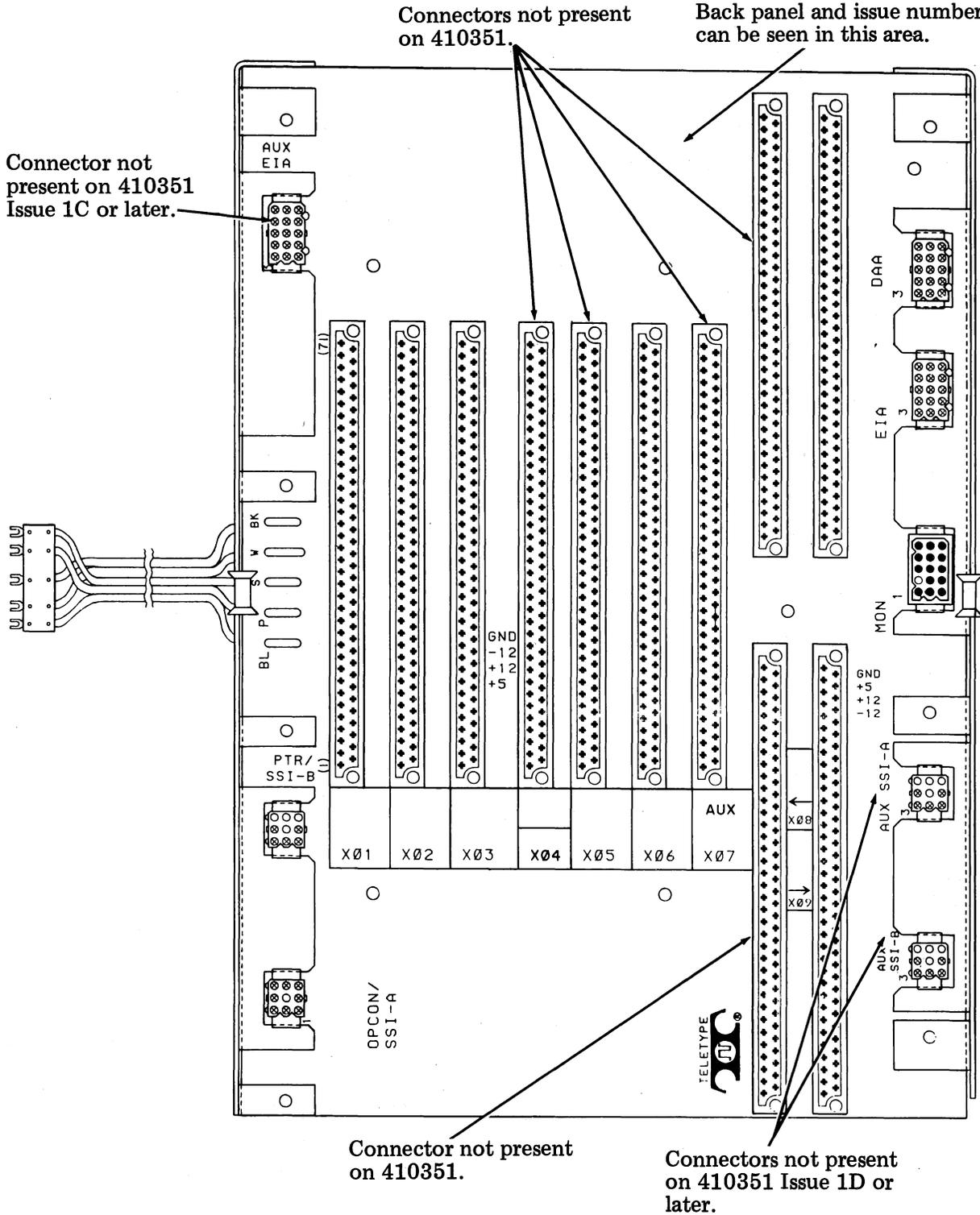


Fig. 3

410276 BACK PANEL ASSEMBLY PHYSICAL LAYOUT

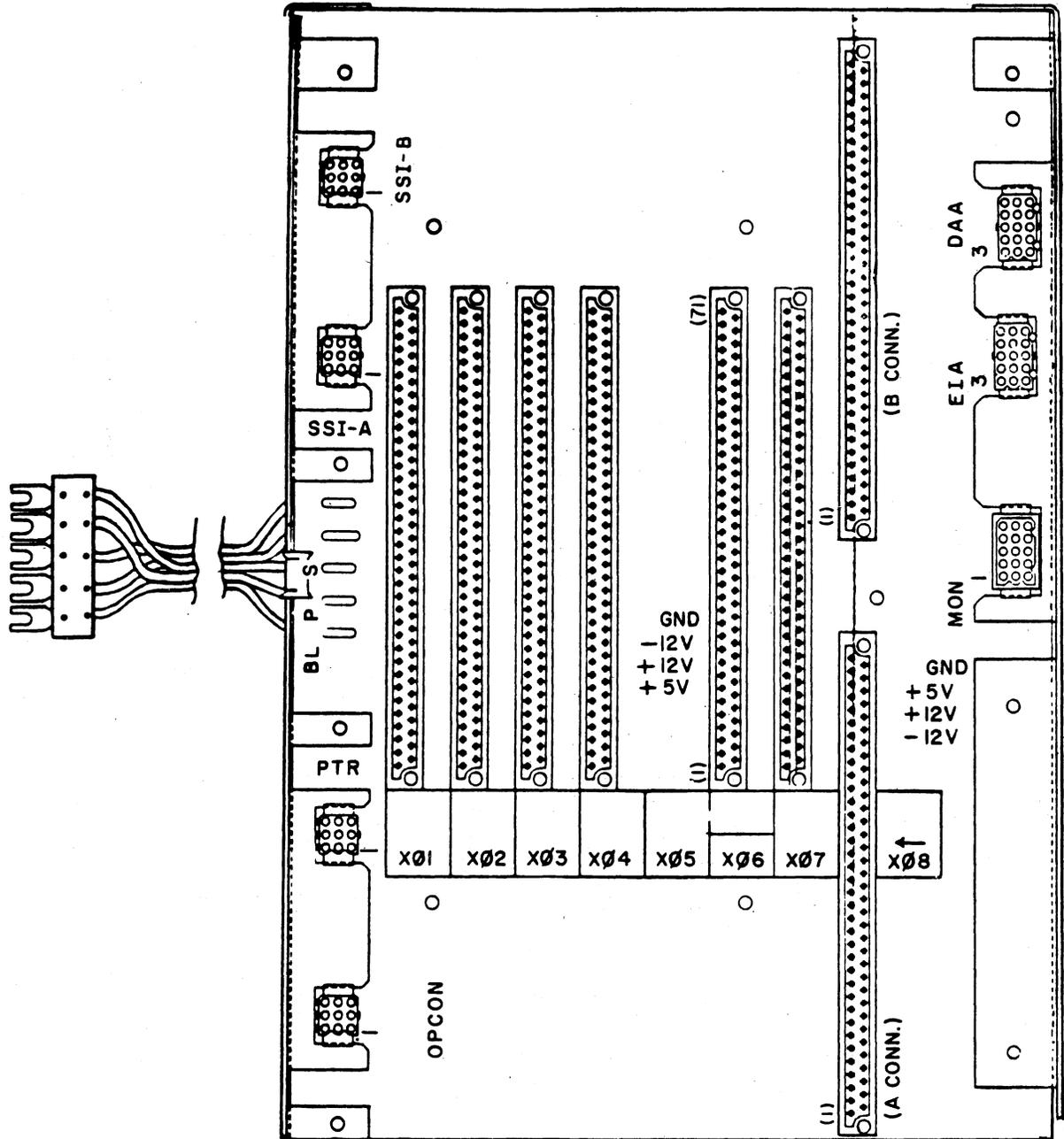


Fig. 4

BACK PANEL ASSEMBLY WIRING

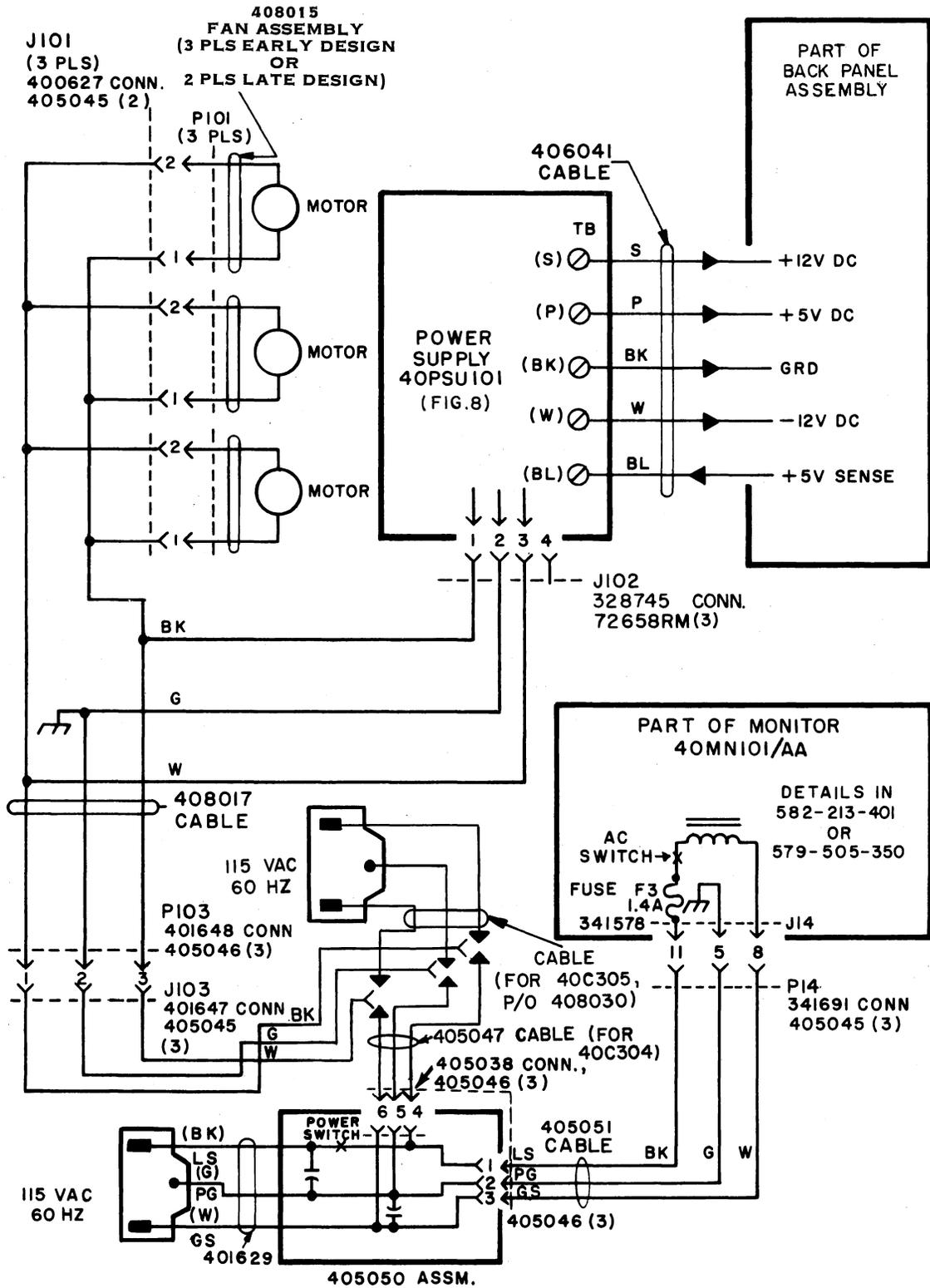


Fig. 5

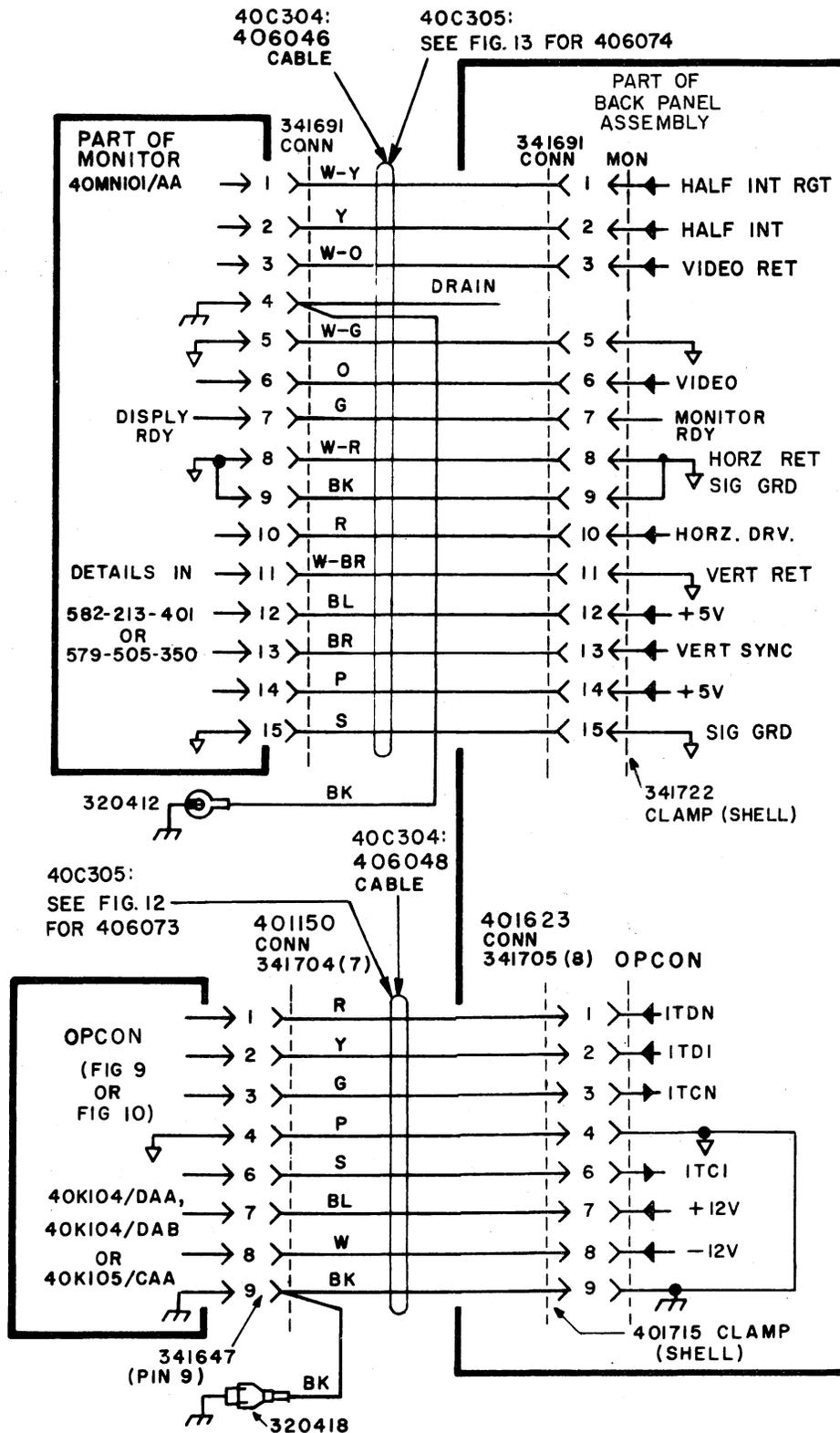


Fig. 5 (Contd)

BACK PANEL ASSEMBLY WIRING (Contd)

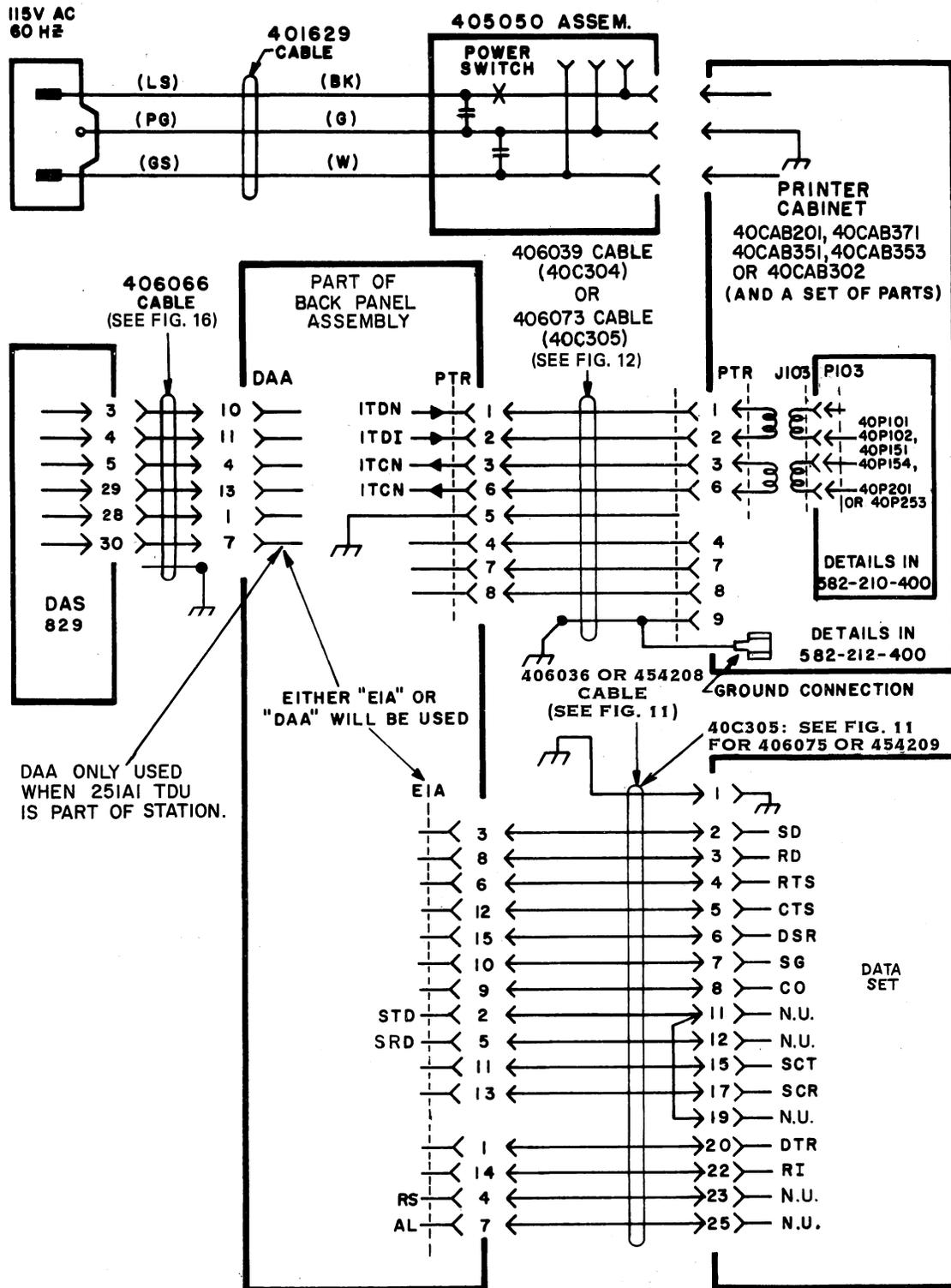
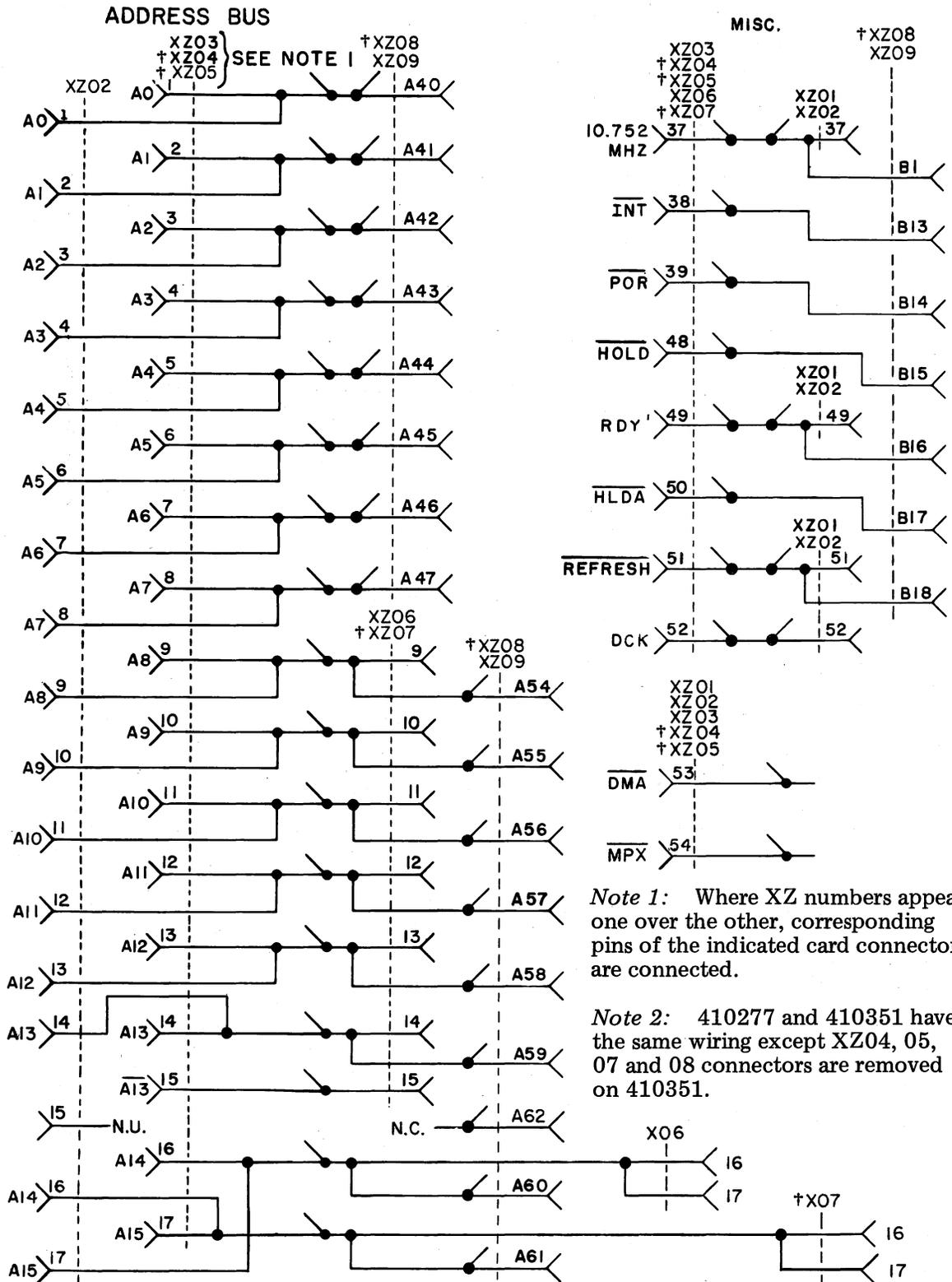


Fig. 5 (Contd)

410277 AND 410351 INTERNAL WIRING



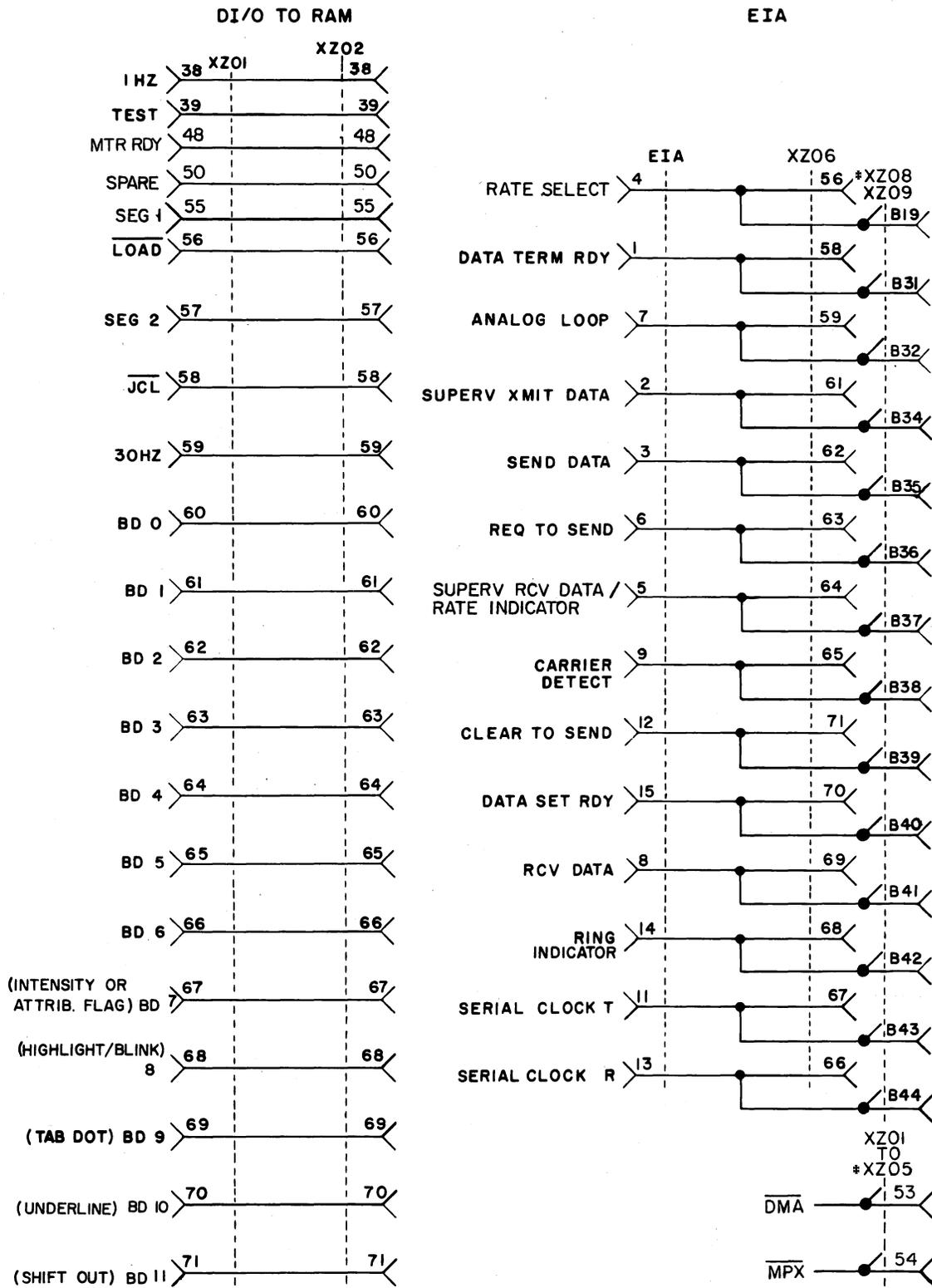
Note 1: Where XZ numbers appear one over the other, corresponding pins of the indicated card connectors are connected.

Note 2: 410277 and 410351 have the same wiring except XZ04, 05, 07 and 08 connectors are removed on 410351.

Fig. 6

†See Note 2.

410277 AND 410351 INTERNAL WIRING (Contd)



*Connector not on 410351.

Fig. 6 (Contd)

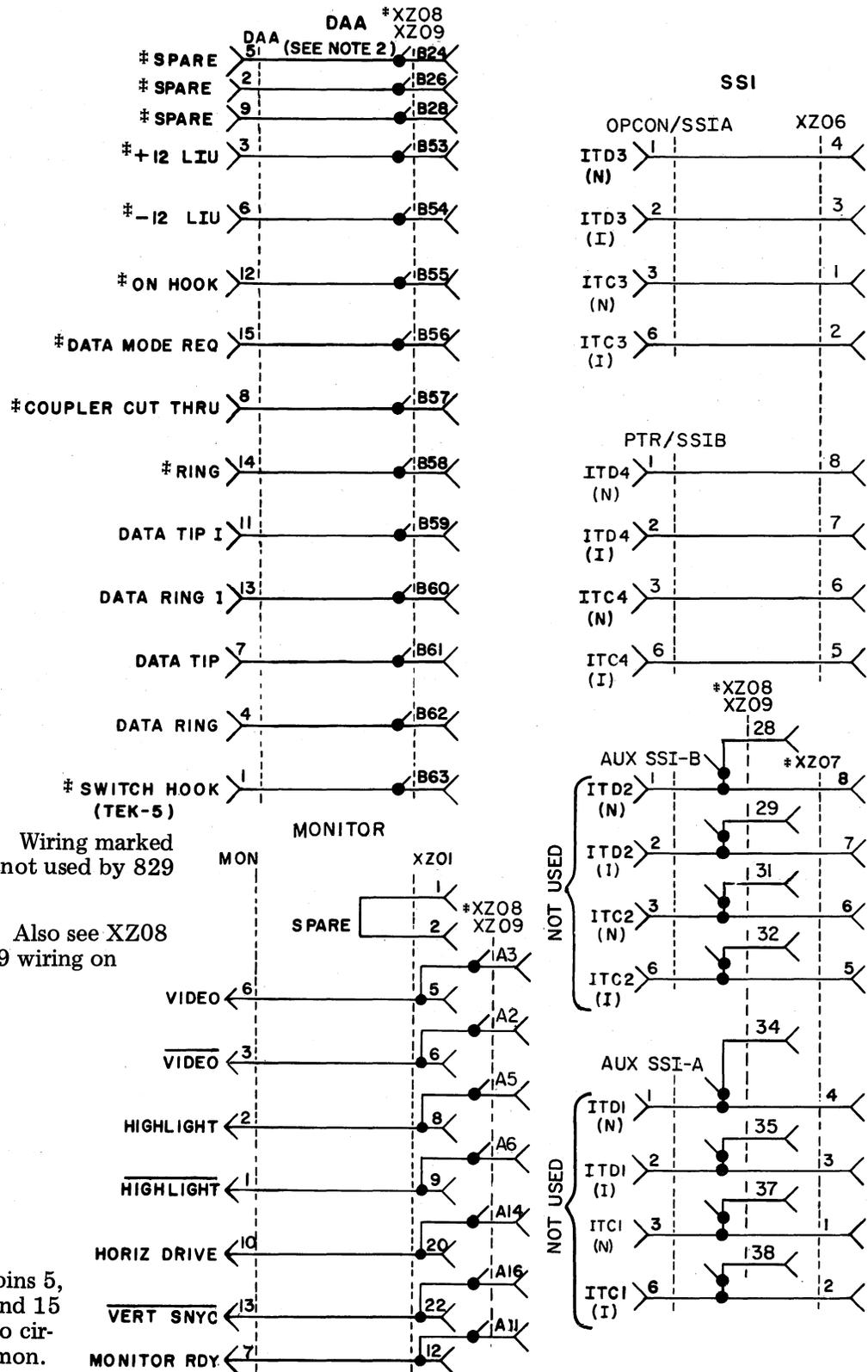
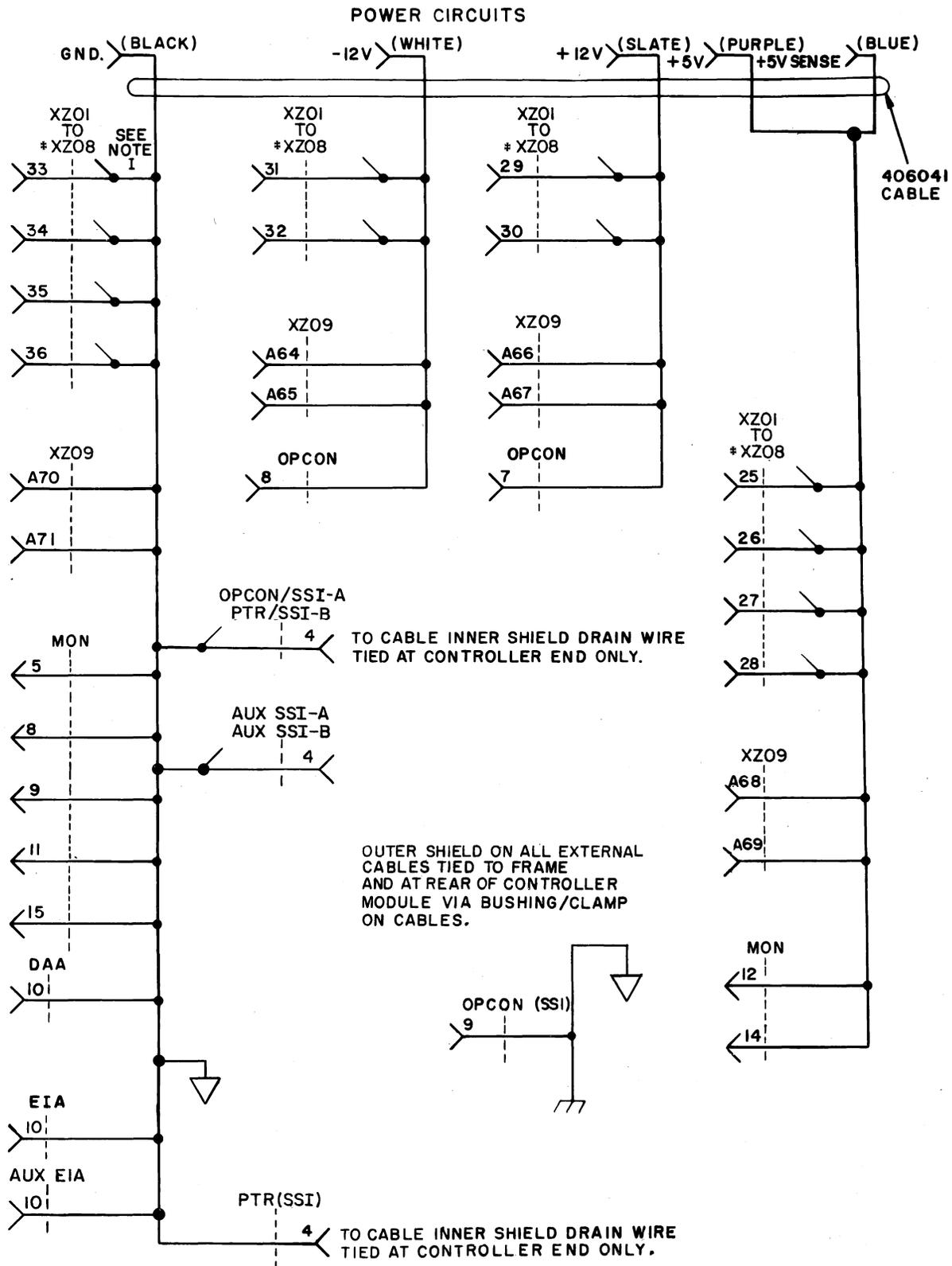


Fig. 6 (Contd)

410277 AND 410351 INTERNAL WIRING (Contd)



Connector not on 410351.

Fig. 6 (Contd)

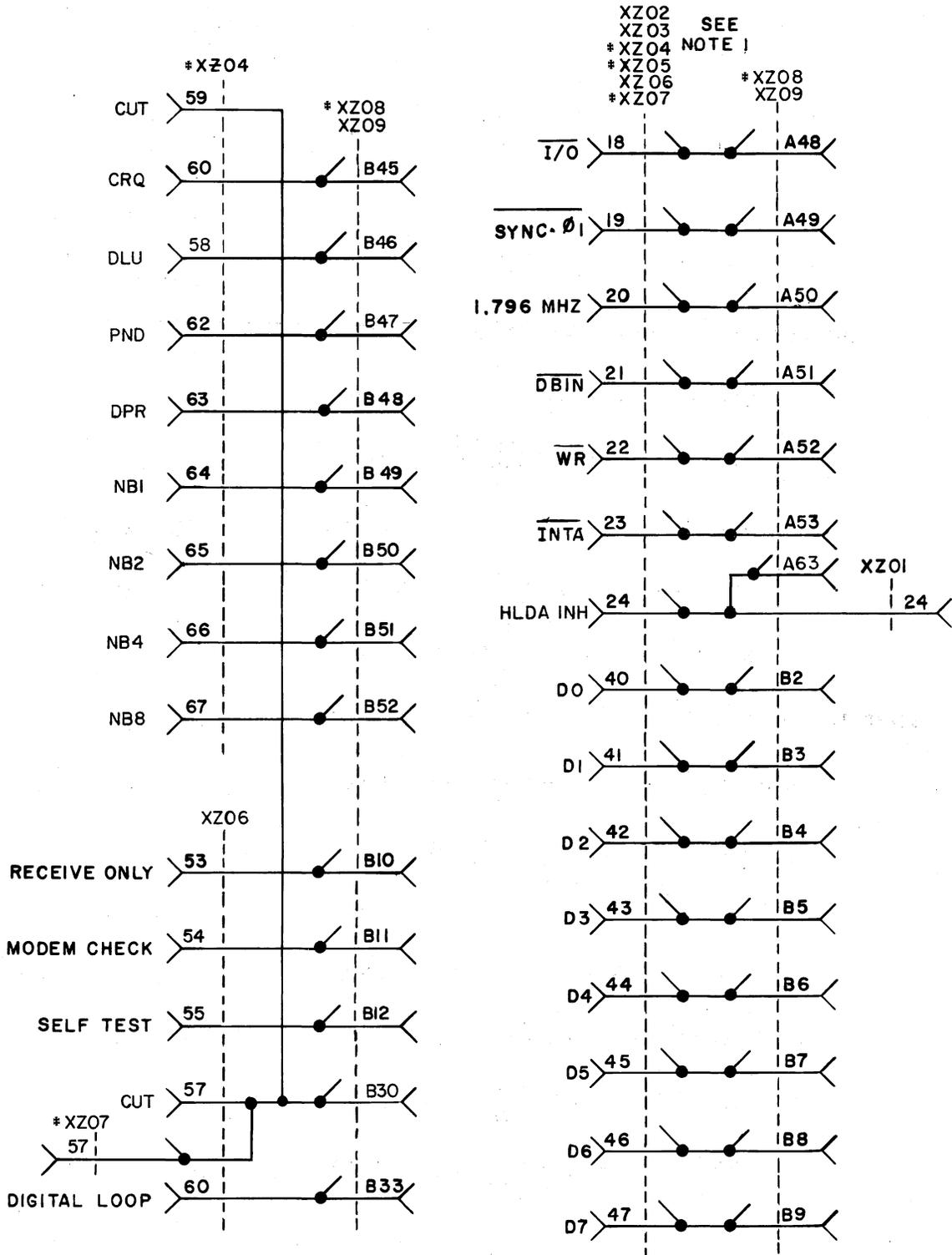
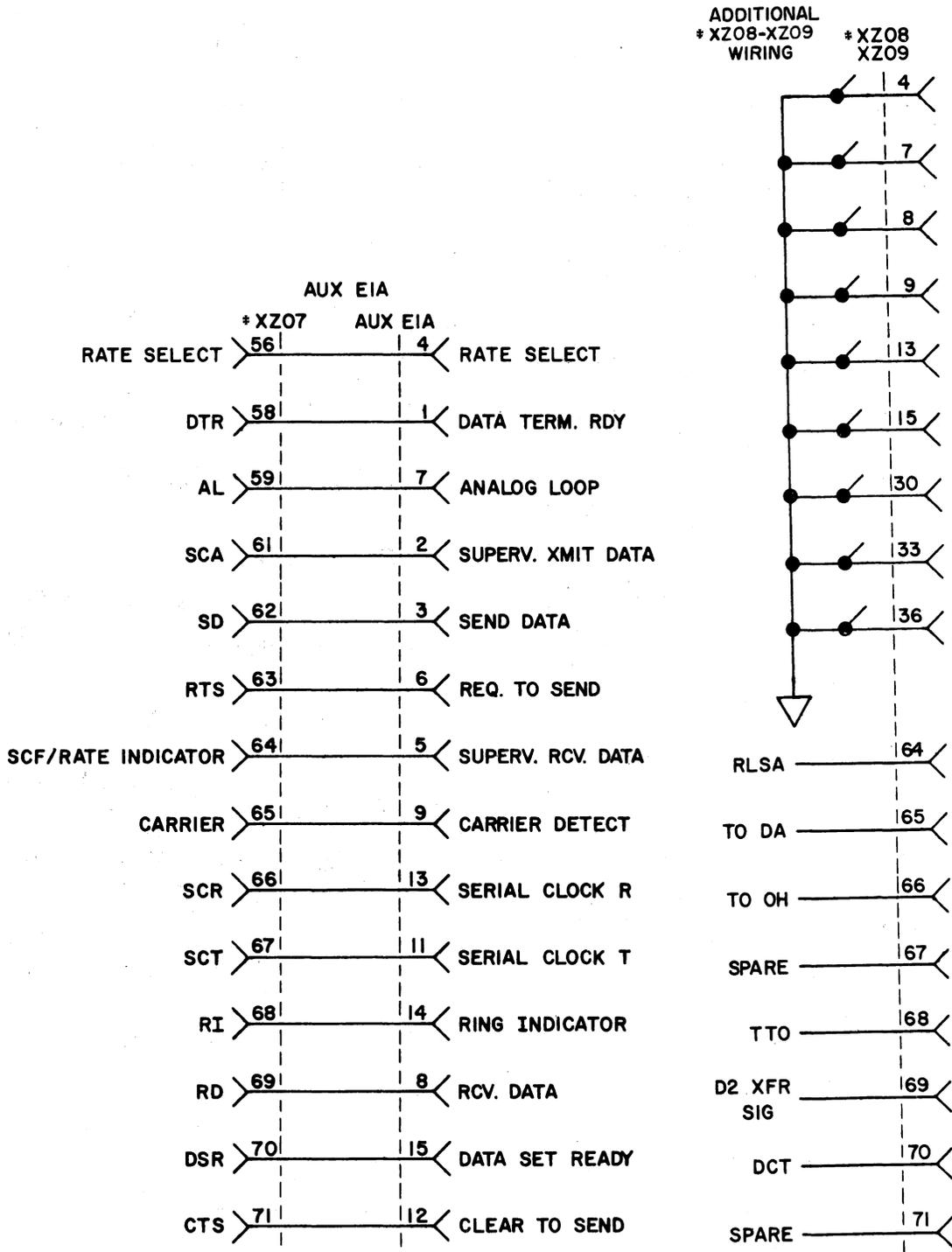


Fig. 6 (Contd)

#Connector not on 410351.

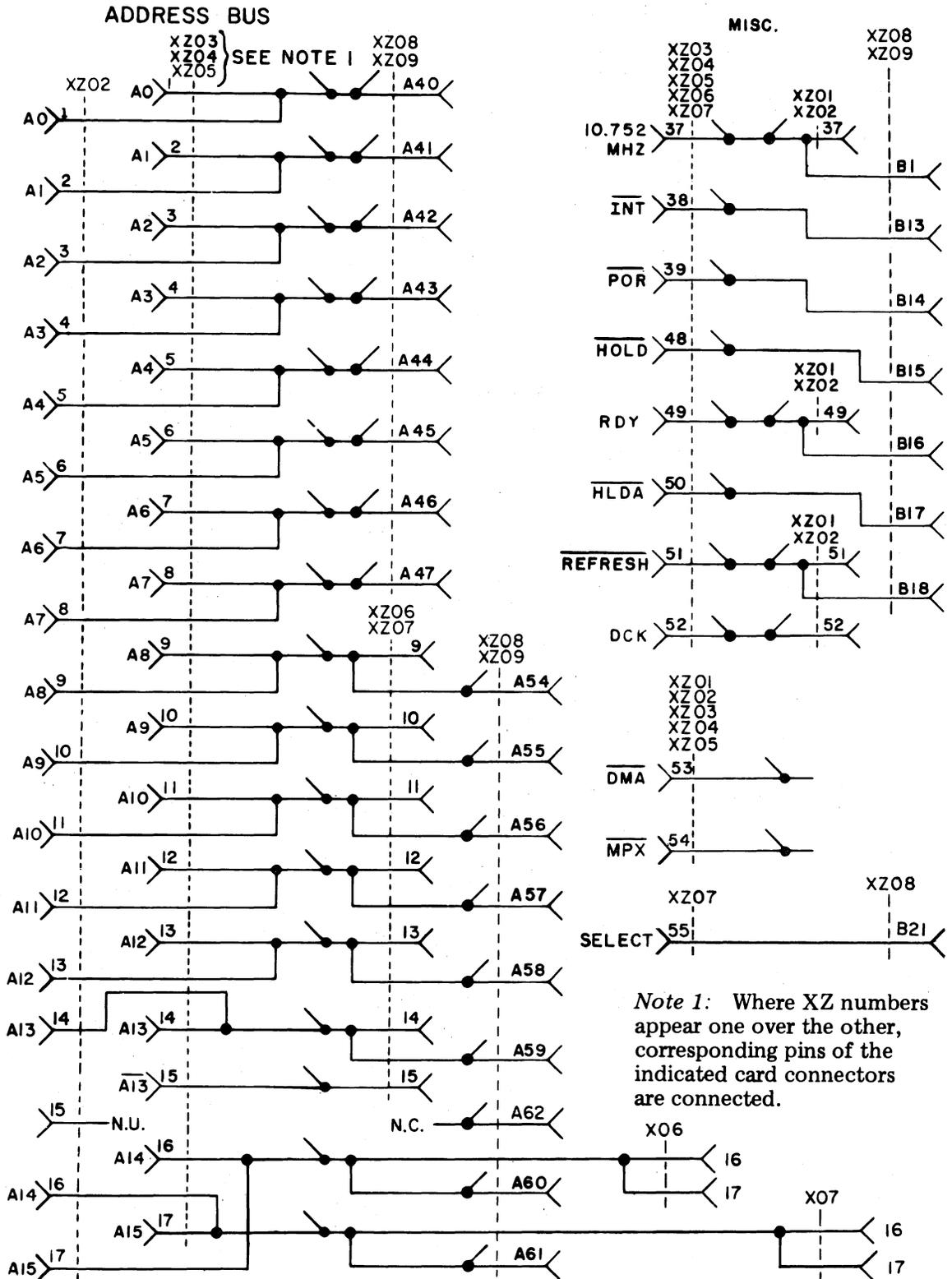
410277 AND 410351 INTERNAL WIRING (Contd)



*Connector not on 410351.

Fig. 6 (Contd)

410276 INTERNAL WIRING



Note 1: Where XZ numbers appear one over the other, corresponding pins of the indicated card connectors are connected.

Fig. 7

410276 INTERNAL WIRING (Contd)

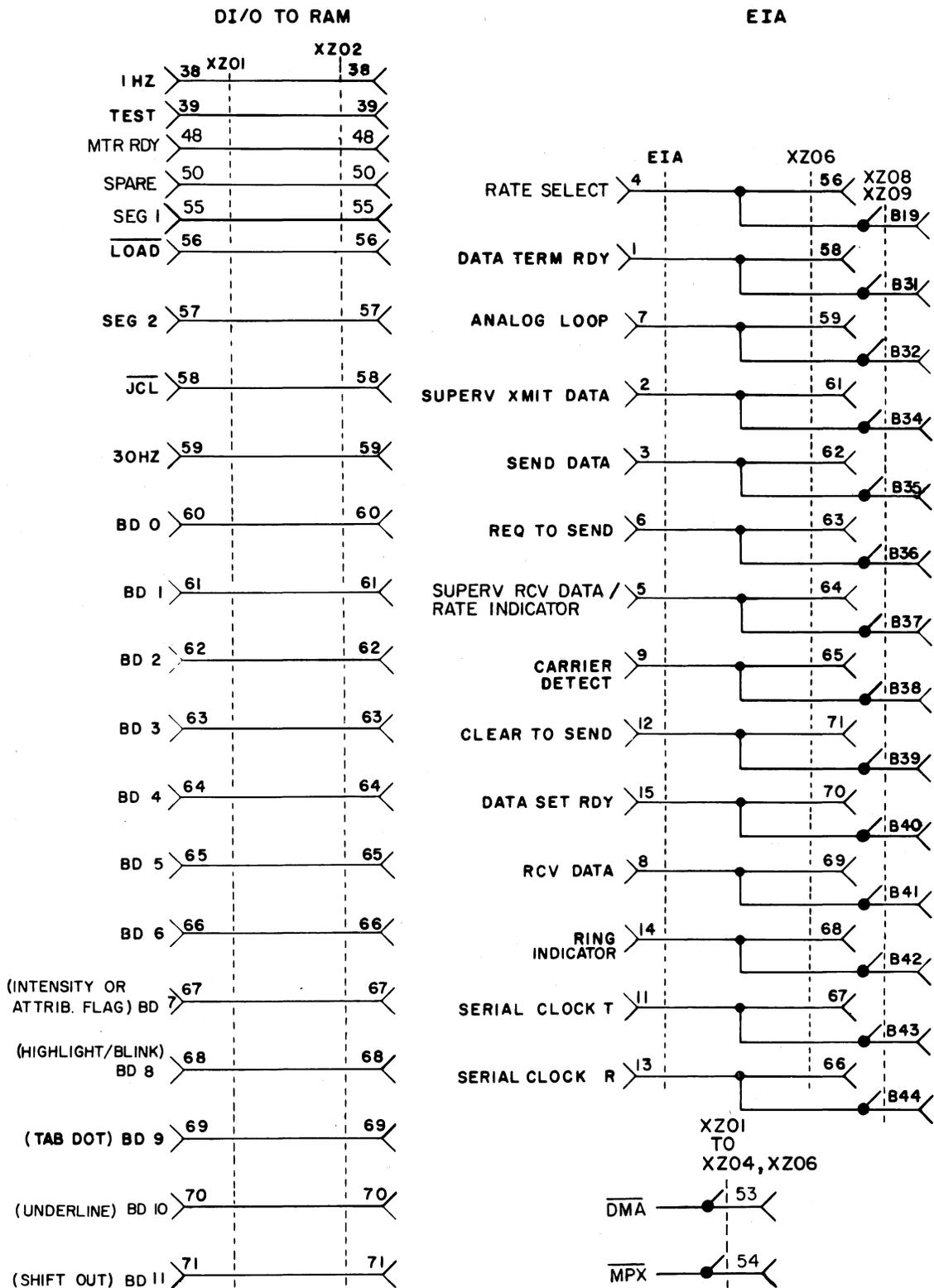


Fig. 7 (Contd)

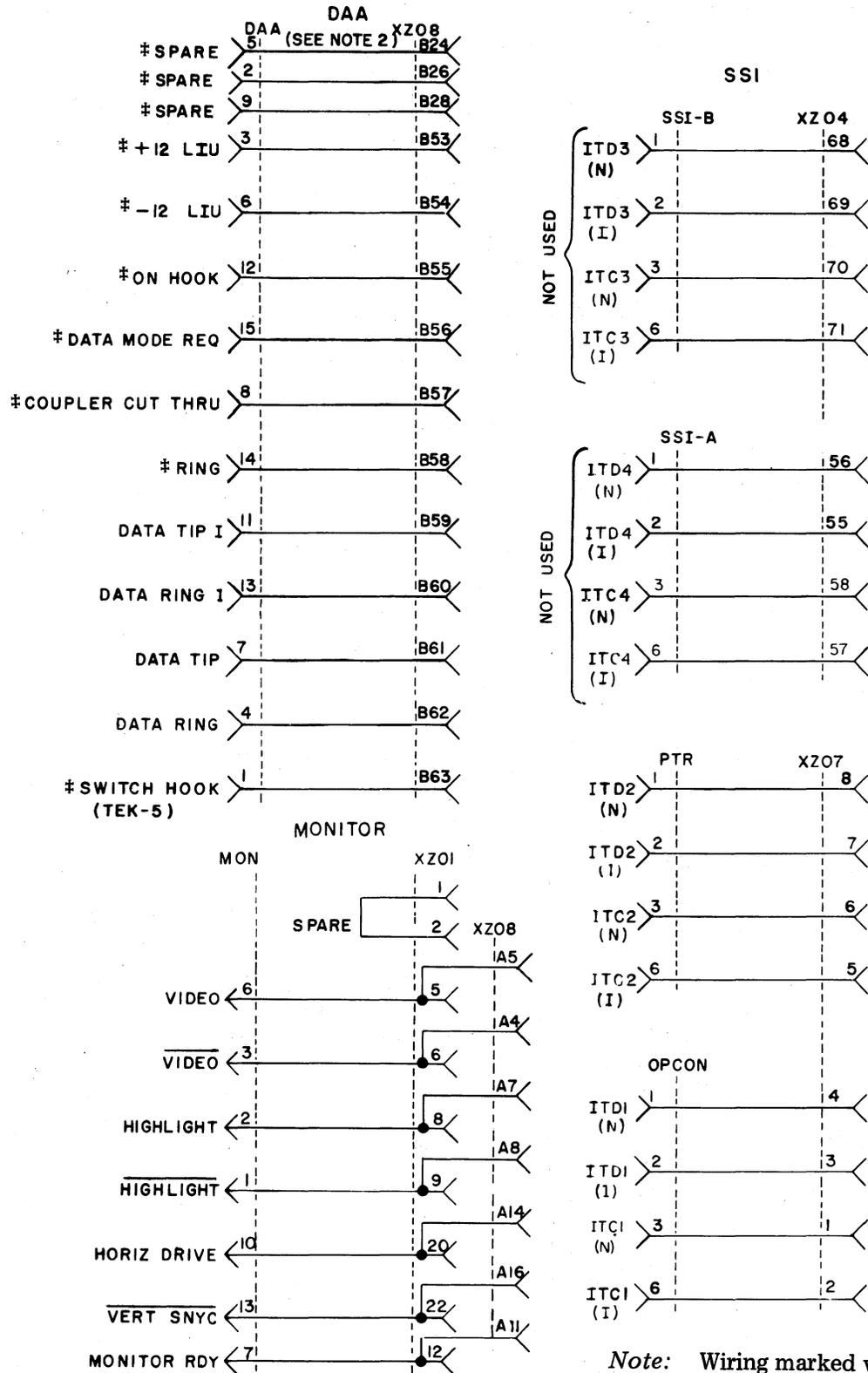


Fig. 7 (Contd)

410276 INTERNAL WIRING (Contd)

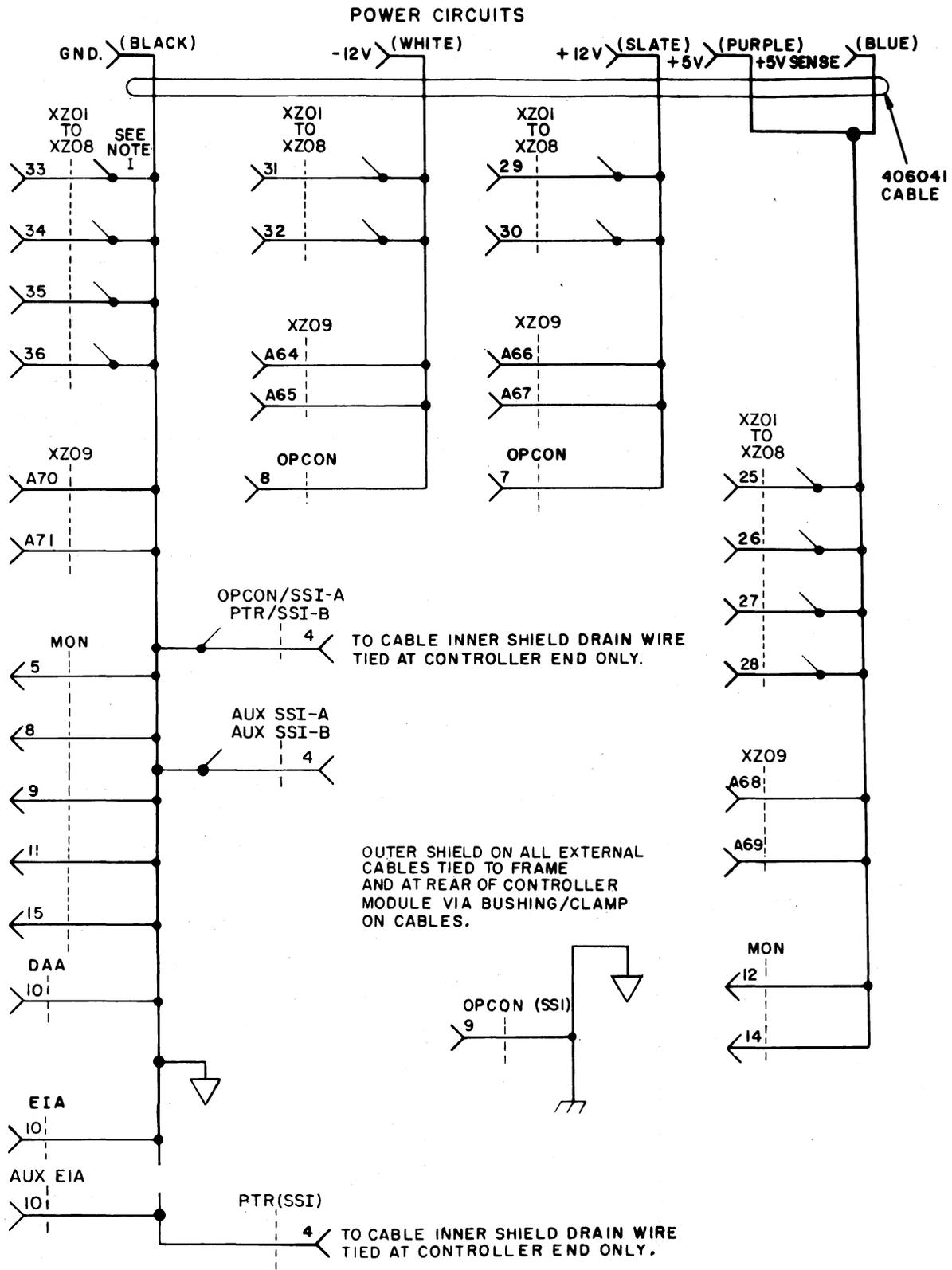


Fig. 7 (Contd)

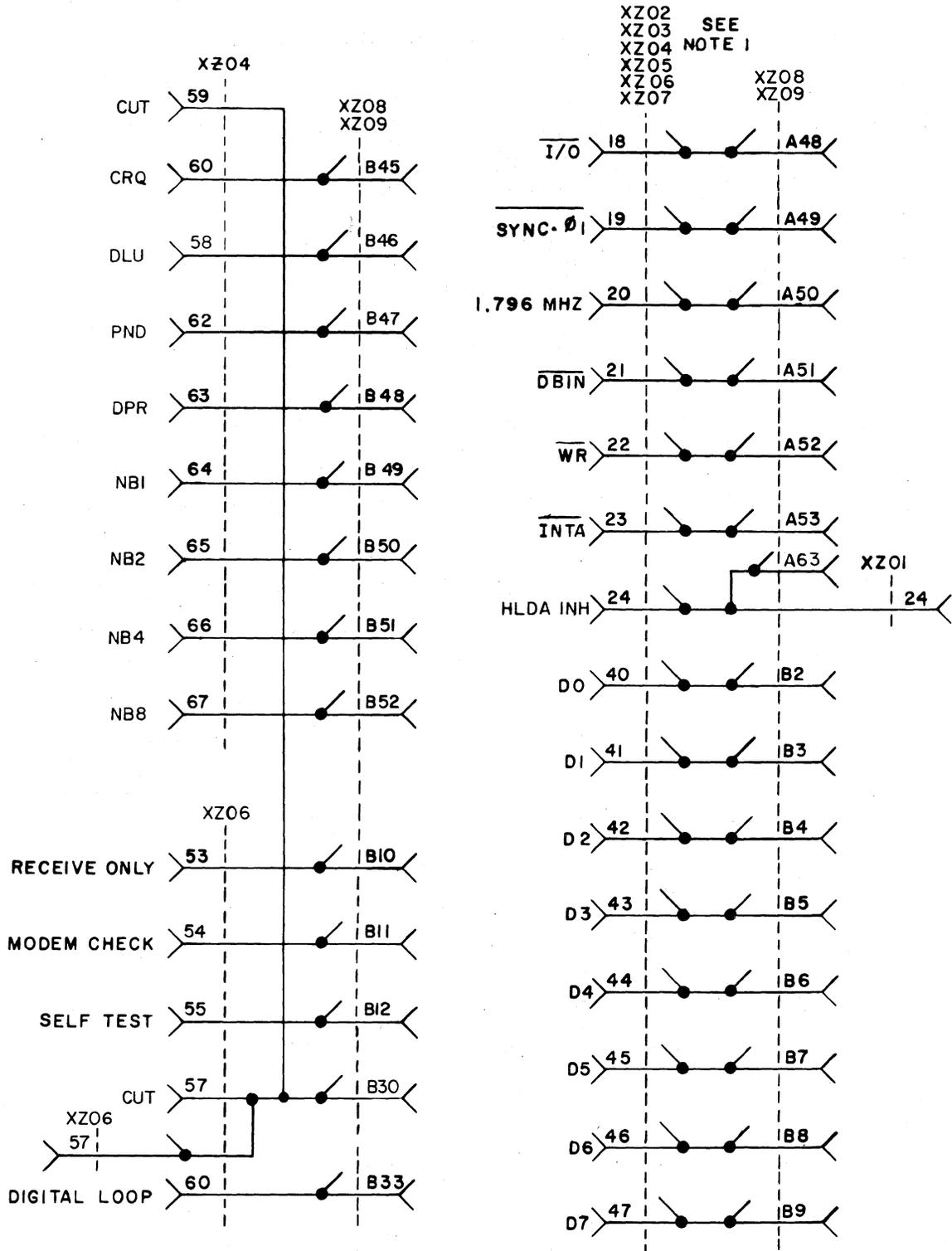


Fig. 7 (Contd)

40PSU101 POWER SUPPLY

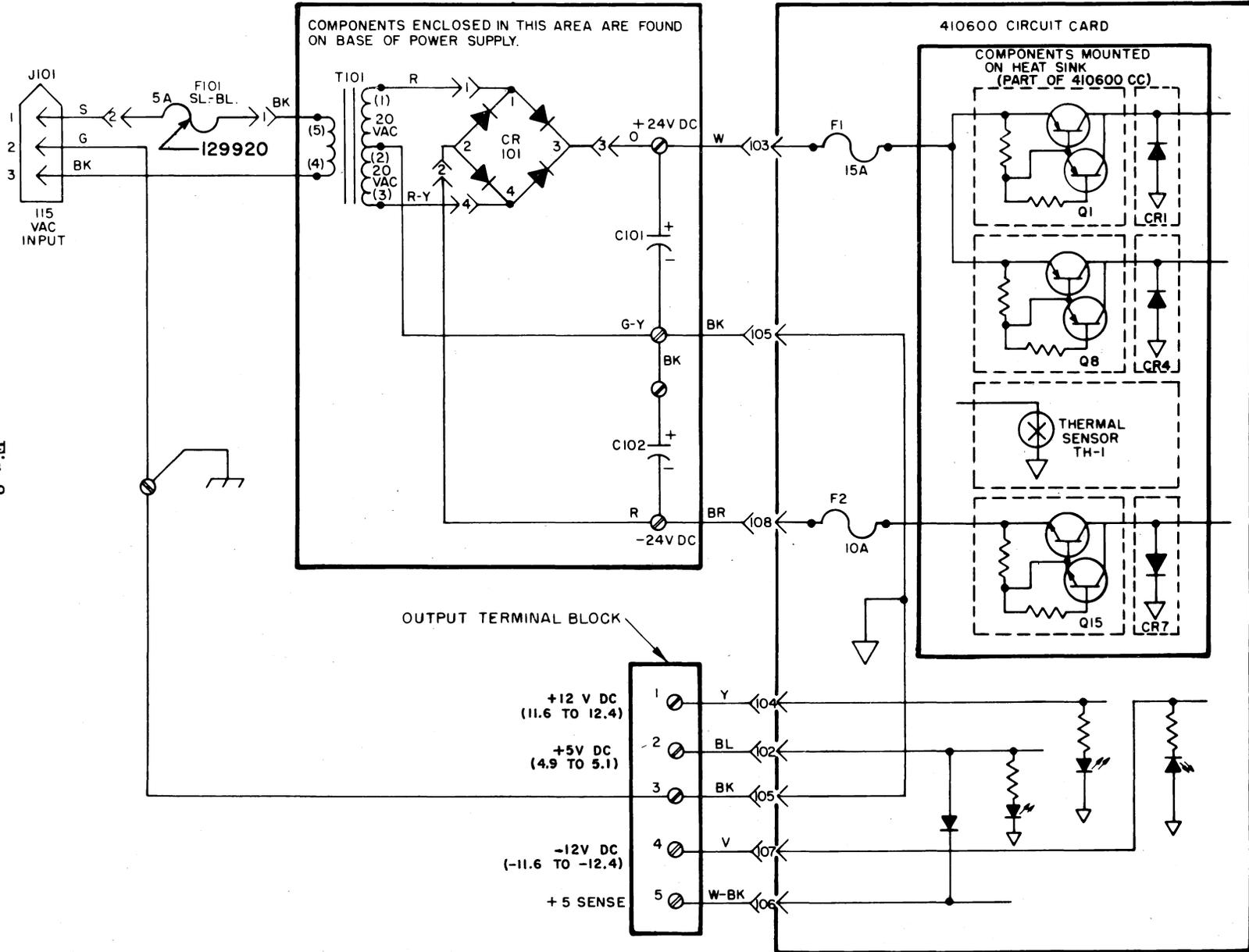


Fig. 8

OPCONS

A. 40K104/DAB (Early Design)

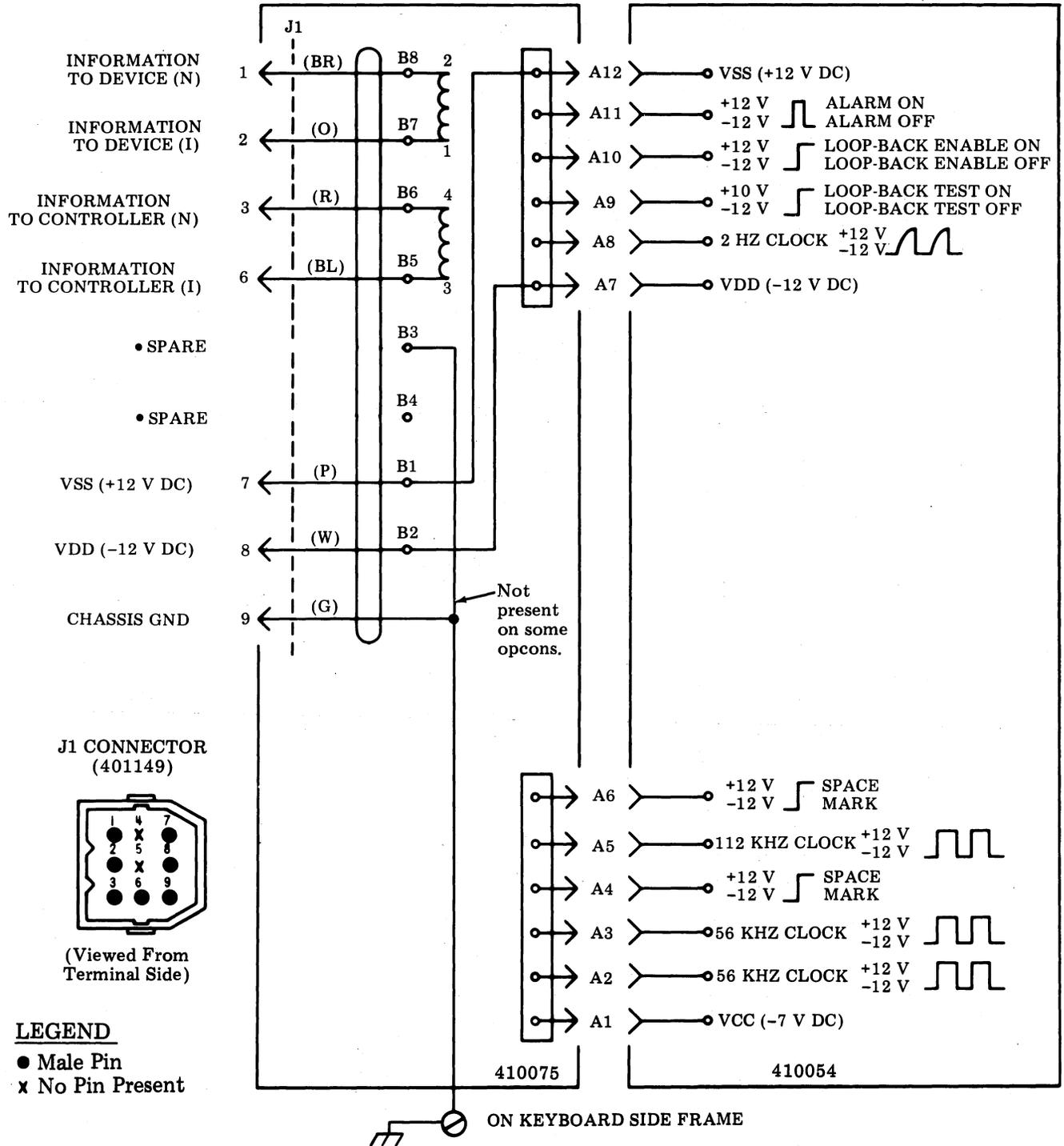


Fig. 9

B. 40K104/DAB (Late Design), 40K105/CAA and 40K203/GAB

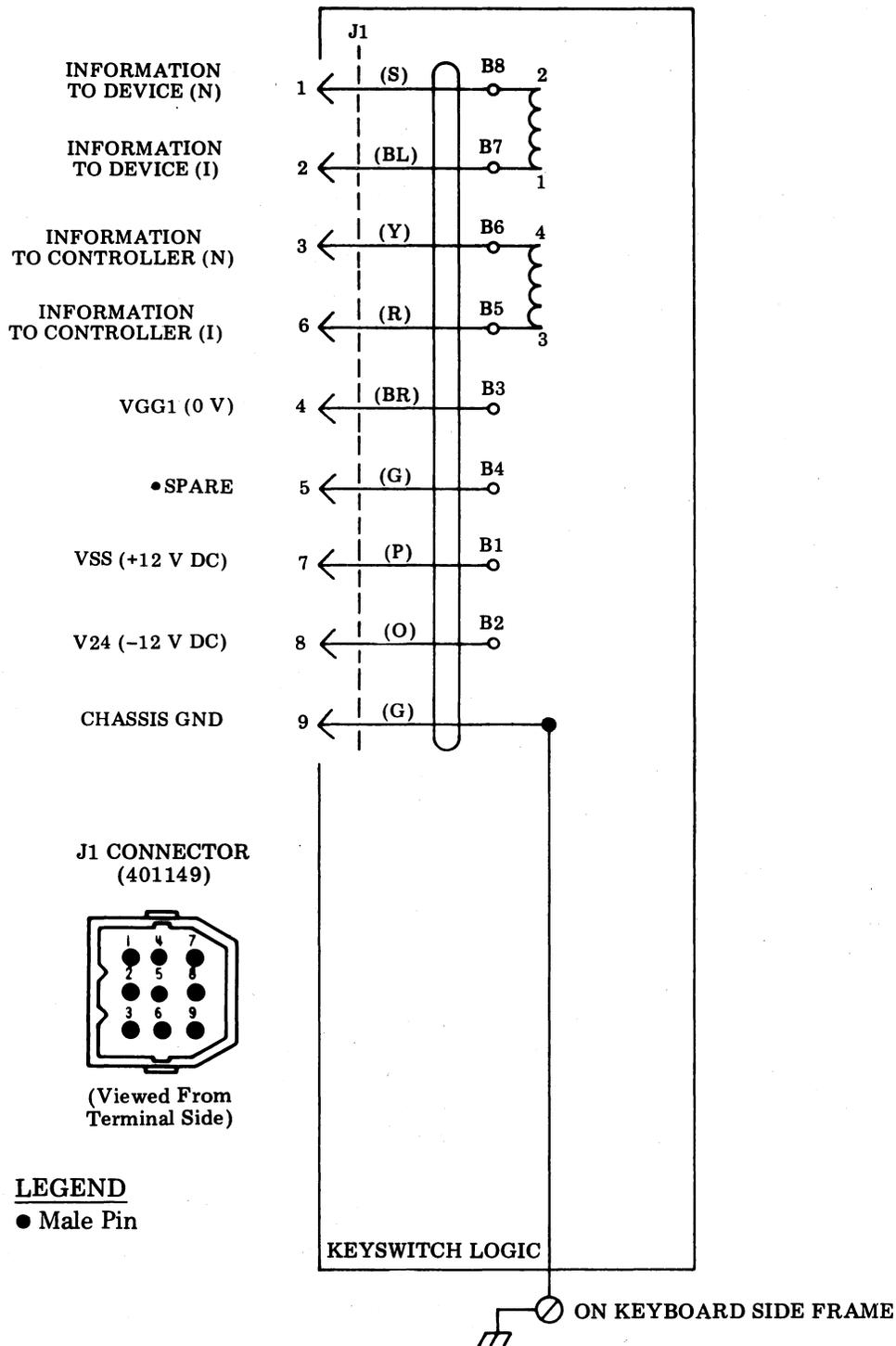


Fig. 10

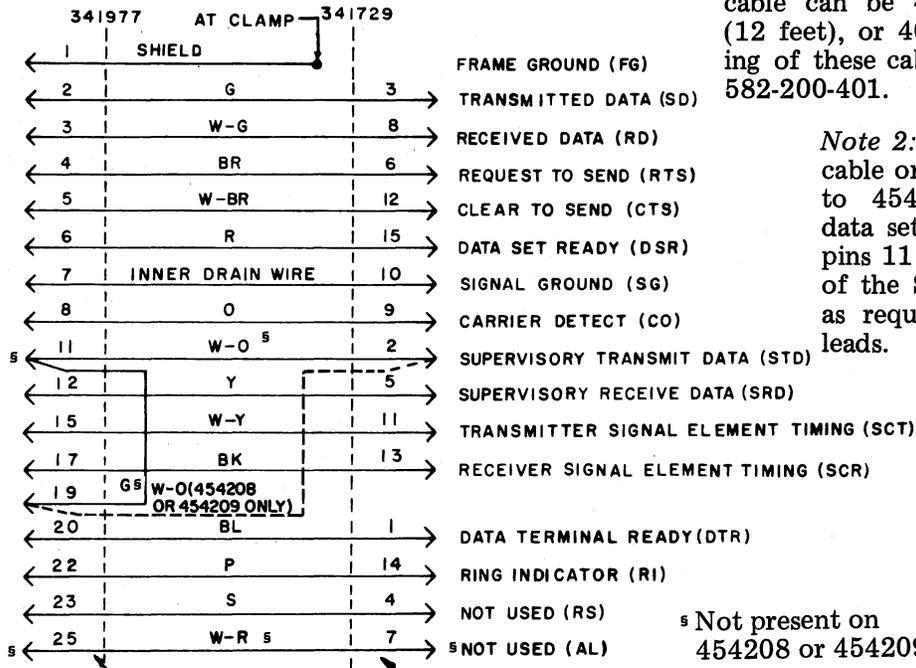
CABLE ASSEMBLIES

A. EIA Cable Assemblies and Extension Cables (See Note)

Application: Required when 251A1 TDU is not part of station.

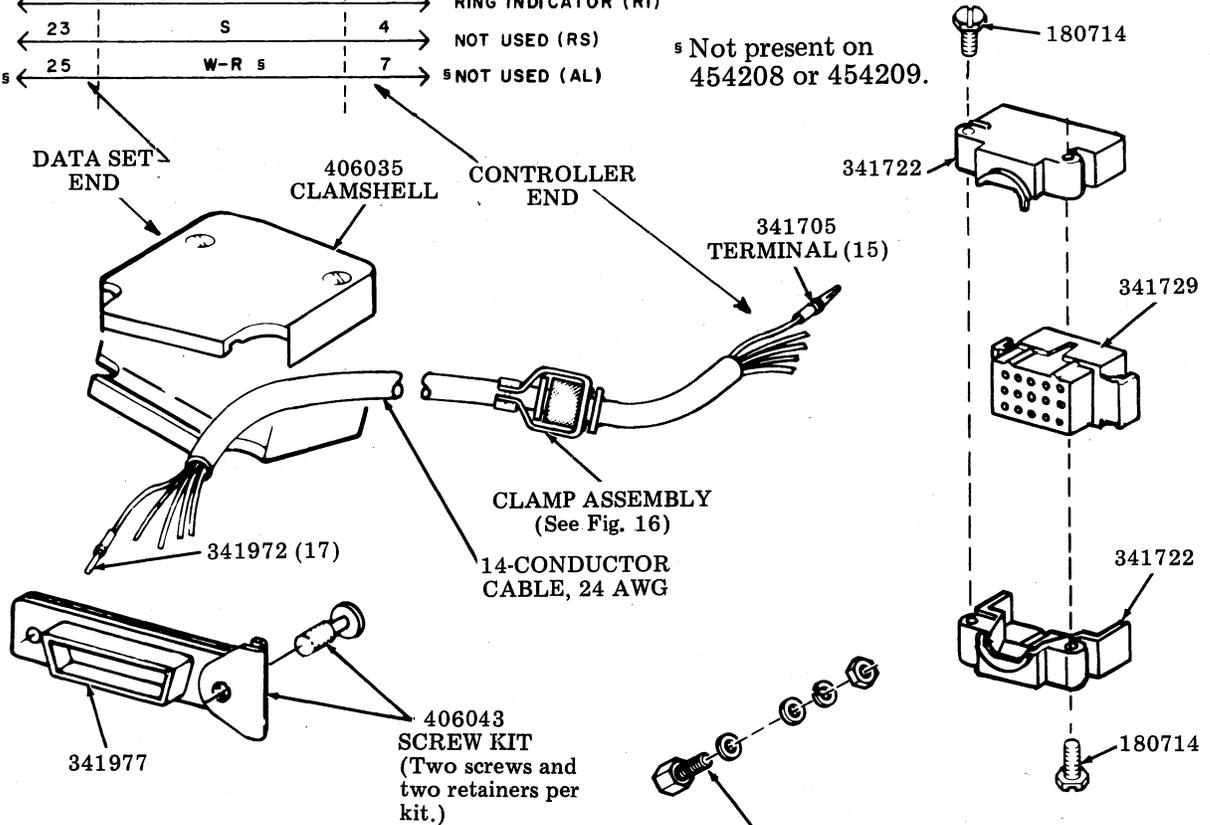
Note 1: An EIA extension cable can be connected to the EIA cable. The extension cable can be 408065 (7 feet), 408066 (12 feet), or 408067 (25 feet). The wiring of these cables is provided in Section 582-200-401.

Note 2: To modify existing 406036 cable or 406075 cable as an alternate to 454208 or 454209 cable: At data set end, knock out and remove pins 11 and 25 in the EIA connector of the SDS data set cables. Insulate as required and tape back unused leads.



PART NO.	LENGTH
406036	6-1/2 Ft
454208	6-1/2 Ft
406075	13-1/2 Ft
454209	13-1/2 Ft

§ Not present on 454208 or 454209.

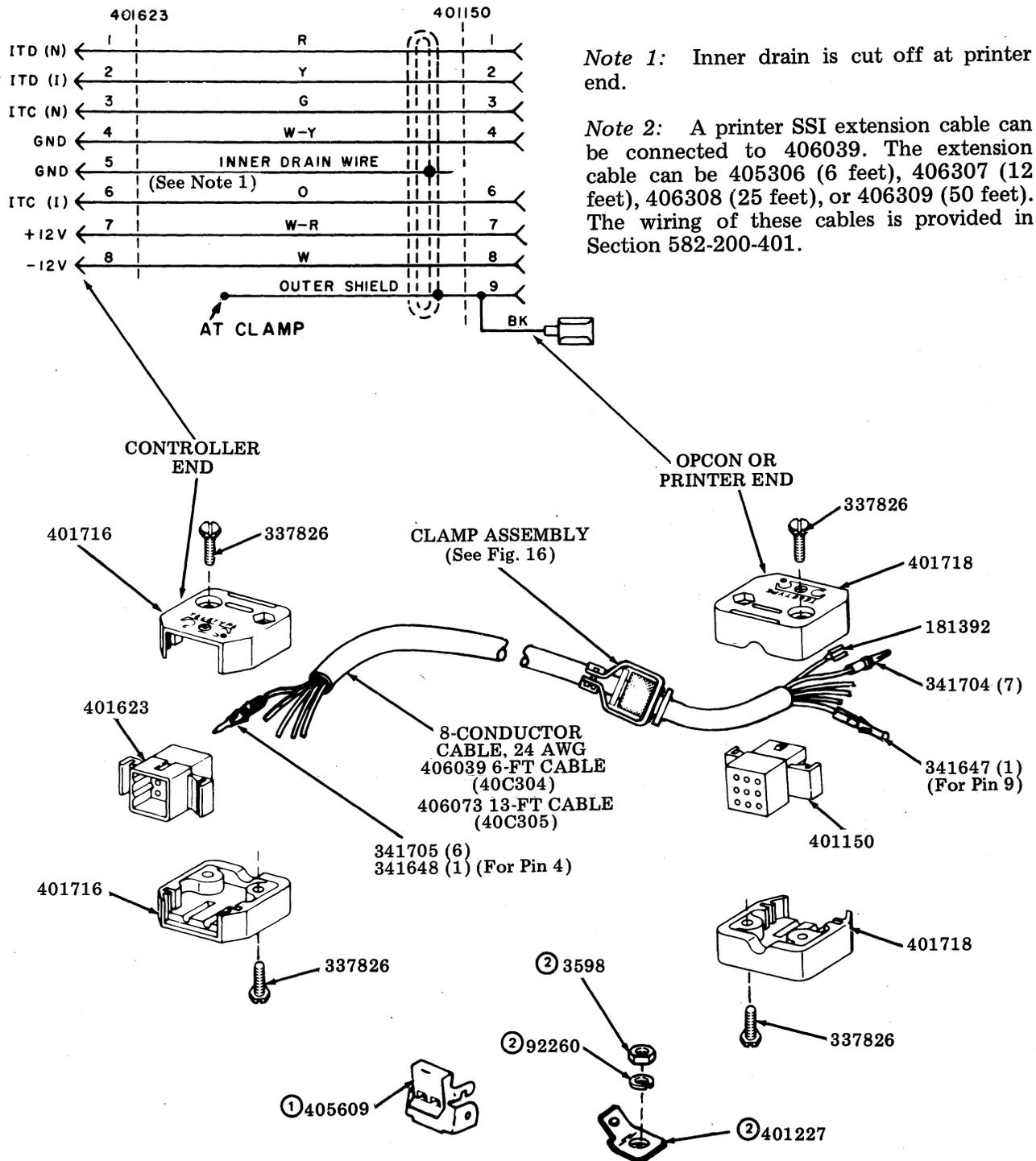


① Replaces 406043 screw kit when extension cable is used. See Note.

① 324713 POST ASSEMBLY

Fig. 11

B. 406039 or 406073 SSI Cable Assembly and Extension Cables



- ① Supplied with cable, used on tractor feed printer cabinet.
- ② Supplied with cable, used on friction feed printer cabinet.

Fig. 12

C. 406074 Video Cable
(Application: 40C305)

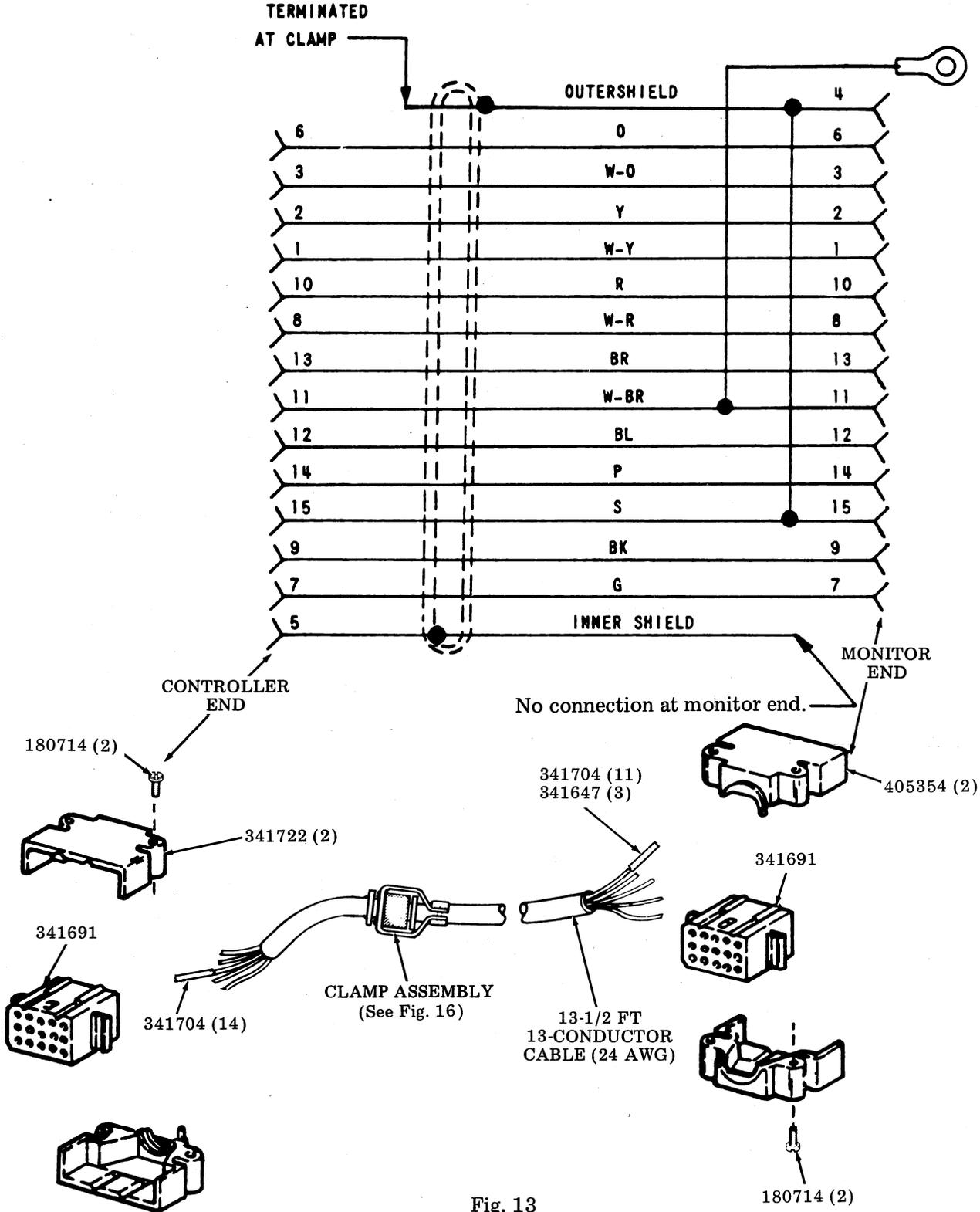


Fig. 13

D. 405375 or 405376 Extension Cable

Caution: Use of either extension cable without a 406094 modification kit will result in a nonworking KD (the KD will not even work locally).

Note: 405375 and 405376 cables are also used as 40KDA101 to KD cables for SCC/DCC and MCC stations. Do not exceed 50 feet for this application.

PART NUMBER	LENGTH
405375	25 Feet
405376	50 Feet

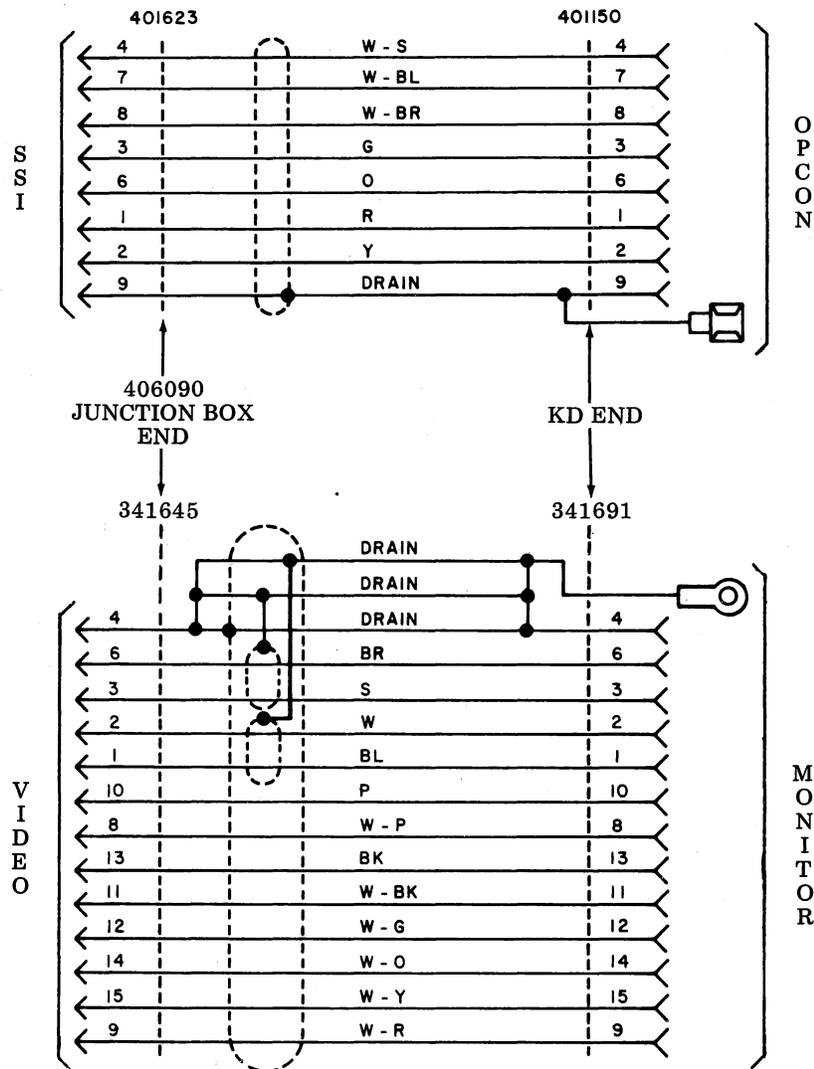


Fig. 14

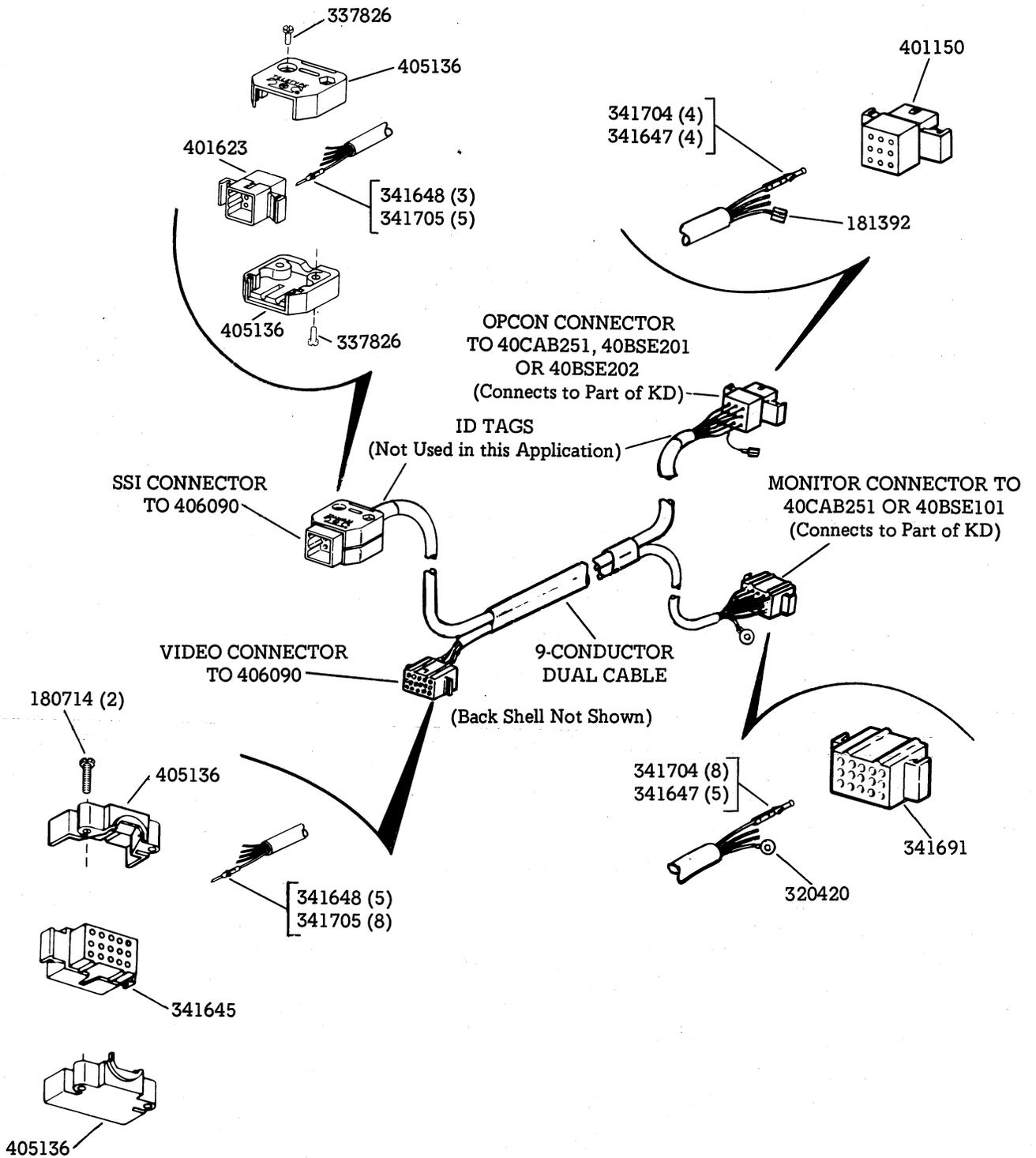


Fig. 14 (Contd)

E. 406090 Junction Box With Fuses

Note: All fuses are 171644.

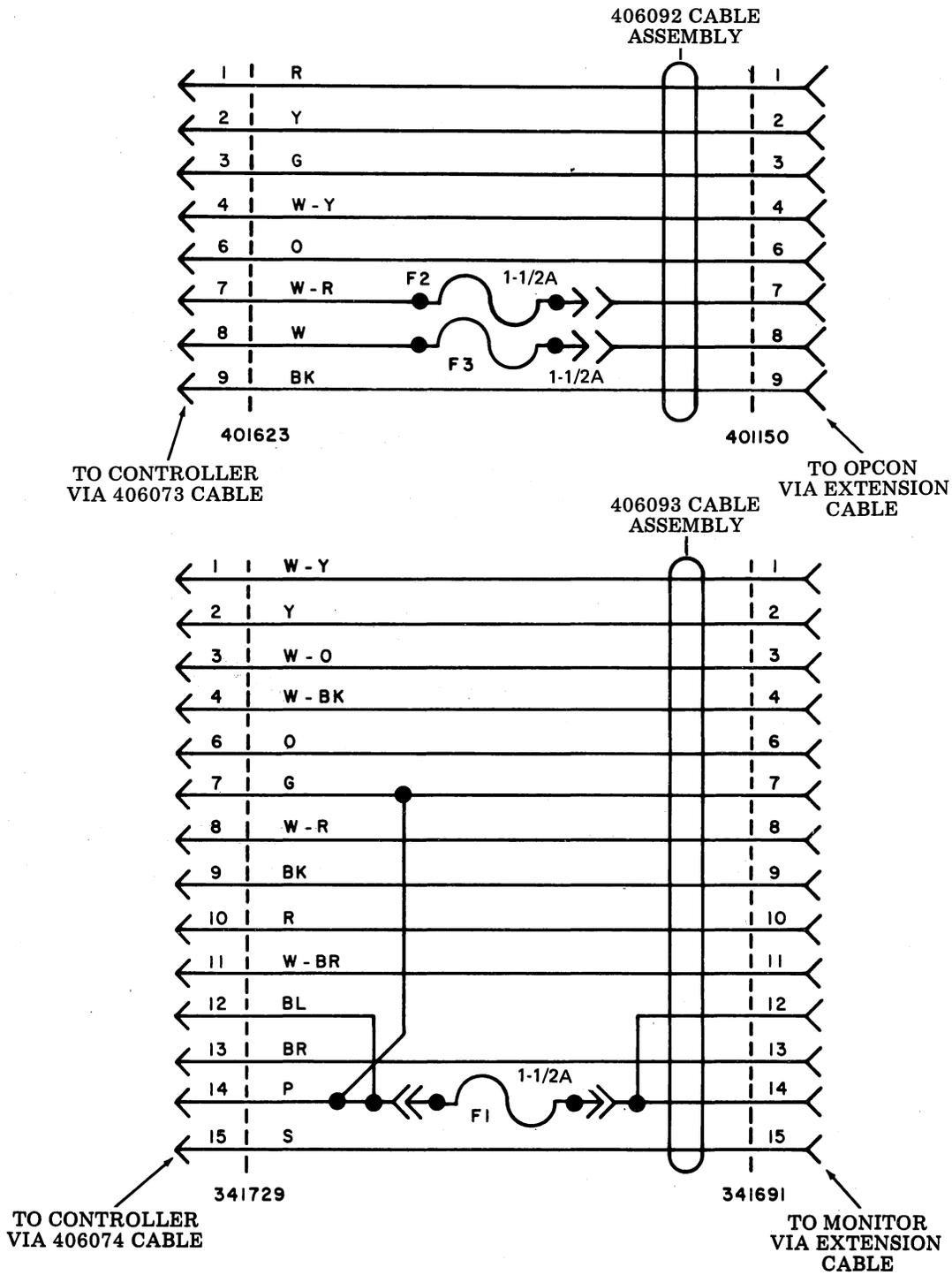


Fig. 15

F. 406066 Private Line Interface Unit Cable Assembly

Application: Required when 251A1 TDU is part of station.

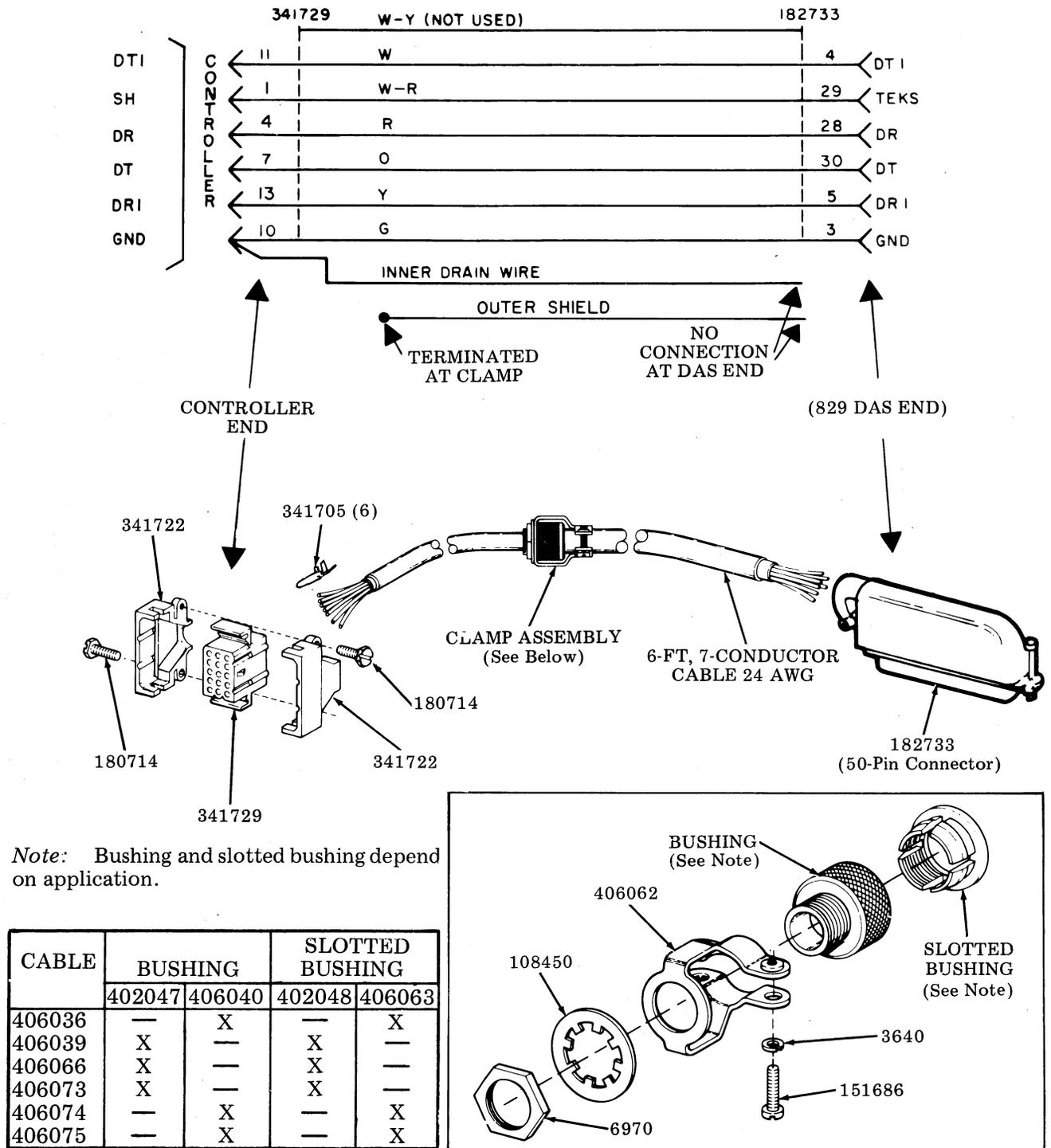


Fig. 16