

“DATASPEED\*” 40/3  
WITH 9140 STATION CONTROLLER  
WIRING DIAGRAMS

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		1. GENERAL	
		1.01 This section provides wiring diagrams and cable components referred to in Section 582-200-503.	
		1.02 Whenever this section is reissued, the reason for reissue will be listed in this paragraph.	

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SECTION 582-200-403

1.03 The ROP, KD, and KDP drawings give the complete wiring between the various components. The components are shown as blocks and are labeled accordingly. If it becomes necessary to check the wiring of one of the above listed components, the page number for that drawing will be given in the appropriate block on the station drawing on which it appears. Drawings of the wired frames for the controller(s) and display logic are not given.

1.04 Where possible small notes indicating voltage levels have been added to aid in trouble locating. The location of any plug or cable can be attained by referring to Section 582-200-703.

*Danger: Whenever work on the monitor is to be done, safety glasses should be worn. Also*

*the high voltage lead to the CRT should never be probed.*

1.05 The wiring of the data set to the phone line is not given in this section. Refer to the applicable data set 9-digit section.

201C — 592-029-Series  
202D — 592-016-Series  
202R — 592-025-Series  
202T — 592-031-Series

1.06 The integrated ROP wiring (40C303 Controller) is in Section 582-200-404.

1.07 When ordering replaceable components, unless otherwise specified, prefix each part number with the letters "TP" (ie, 410055).



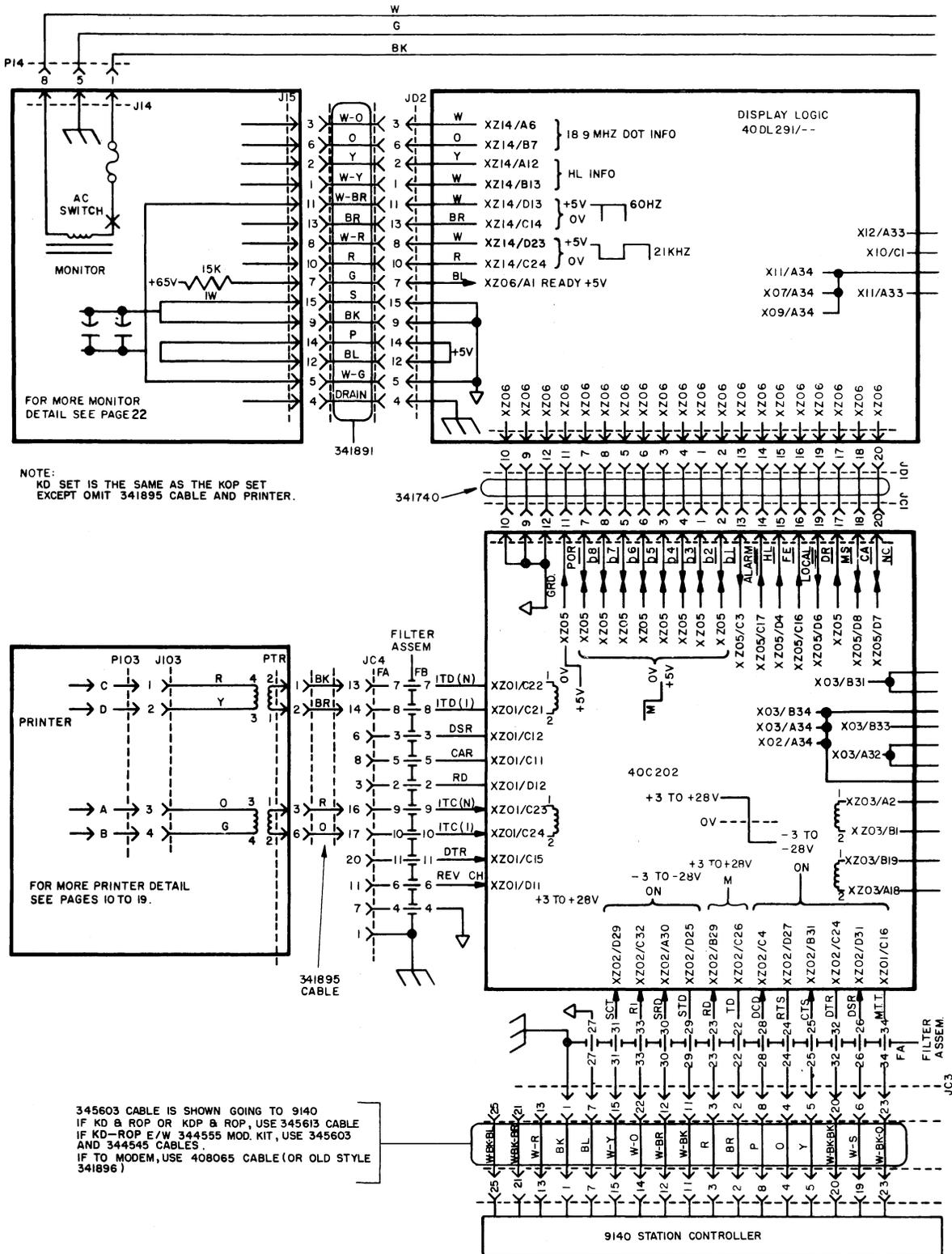


Fig. 2-KDP Set - Adjacent Printer





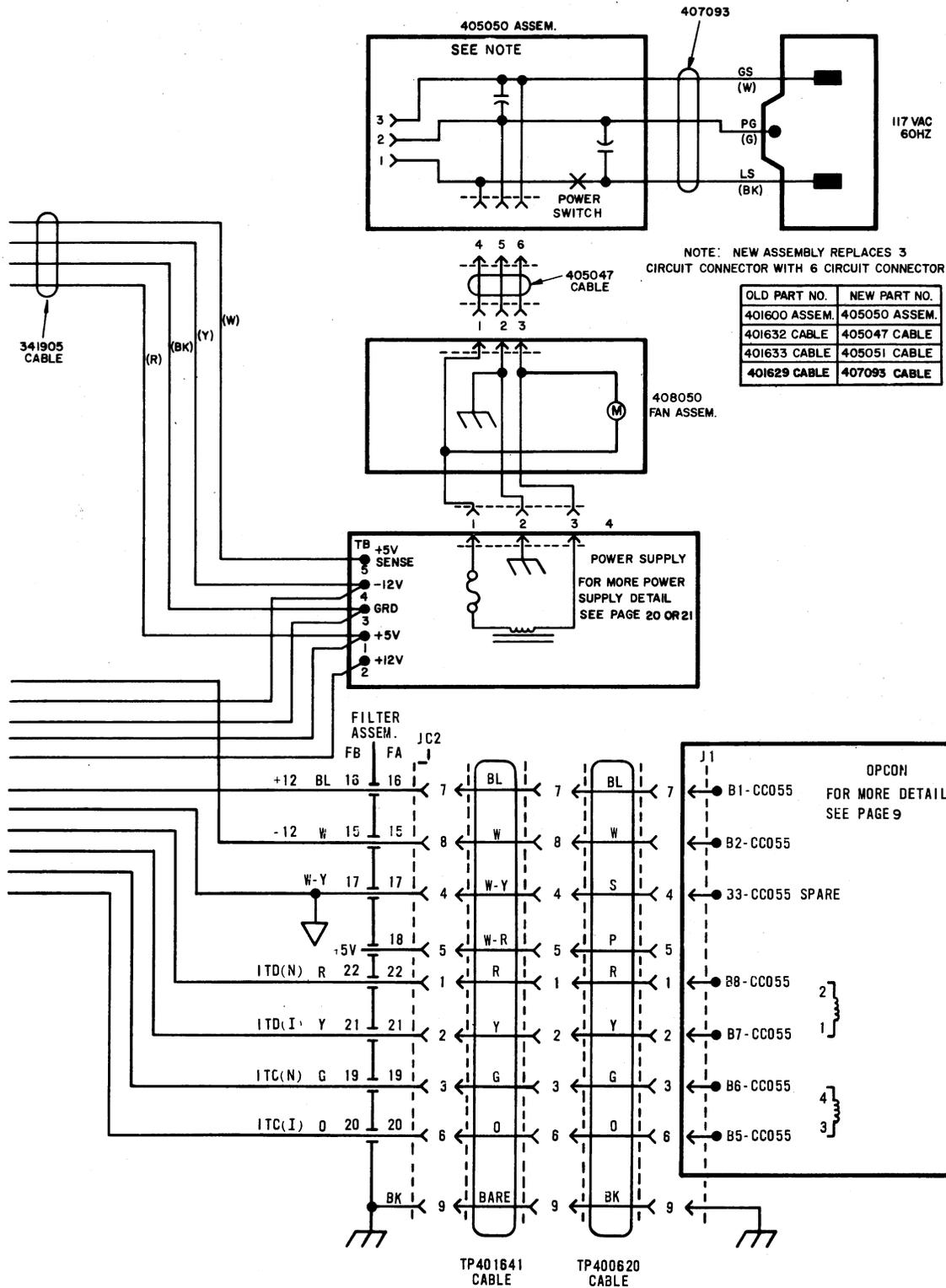
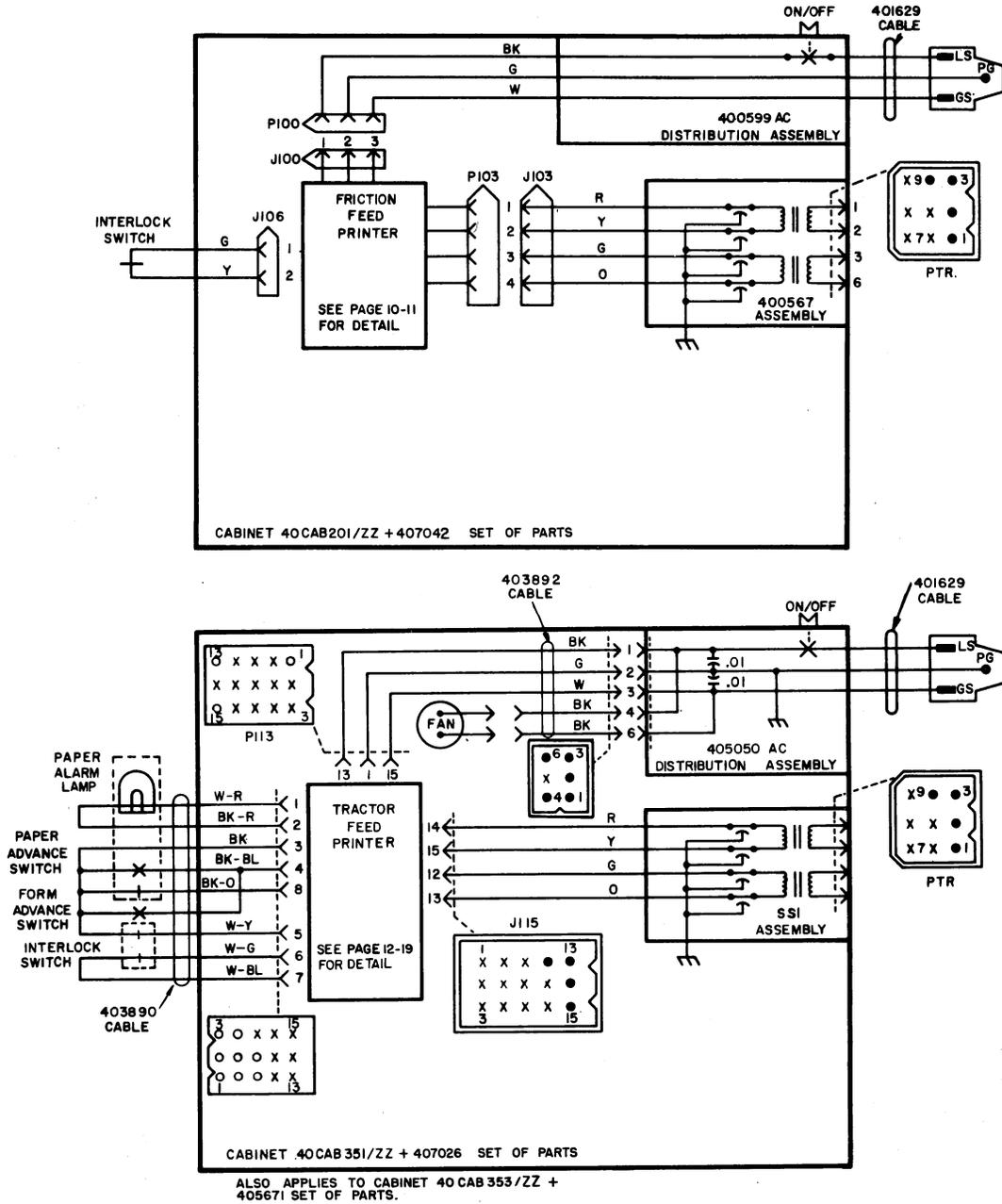


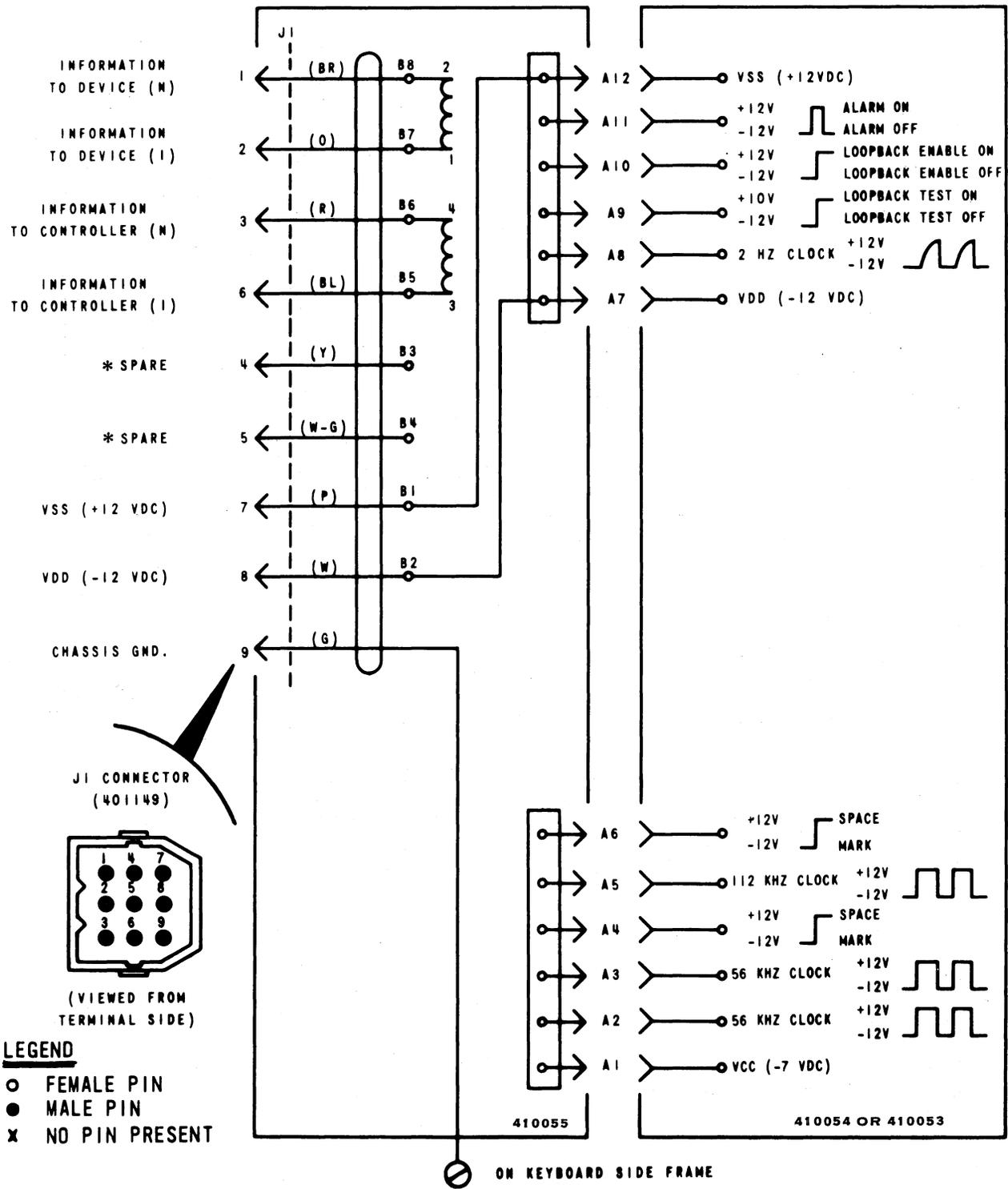
Fig. 3—KDP Set — Printer Under Monitor (Cont)



**LEGEND**

- - FEMALE PIN
- - MALE PIN
- x - NO PIN PRESENT

Fig. 4—Printer Cabinets



\* PRESENT ONLY ON EARLY UNITS.

Fig. 5-40K101/CAK Operator Console

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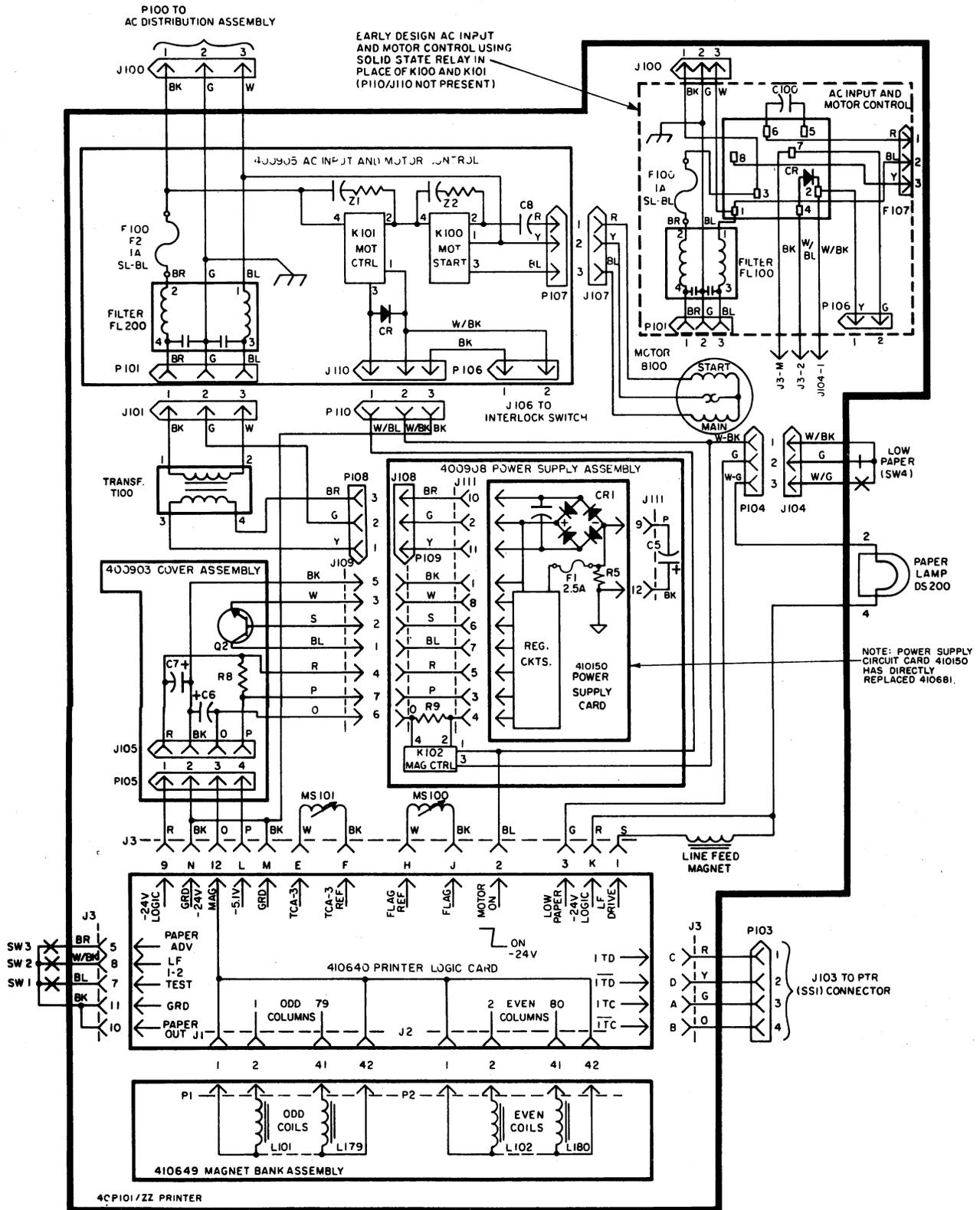


Fig. 6—40P101/ZZ Friction Feed Printer

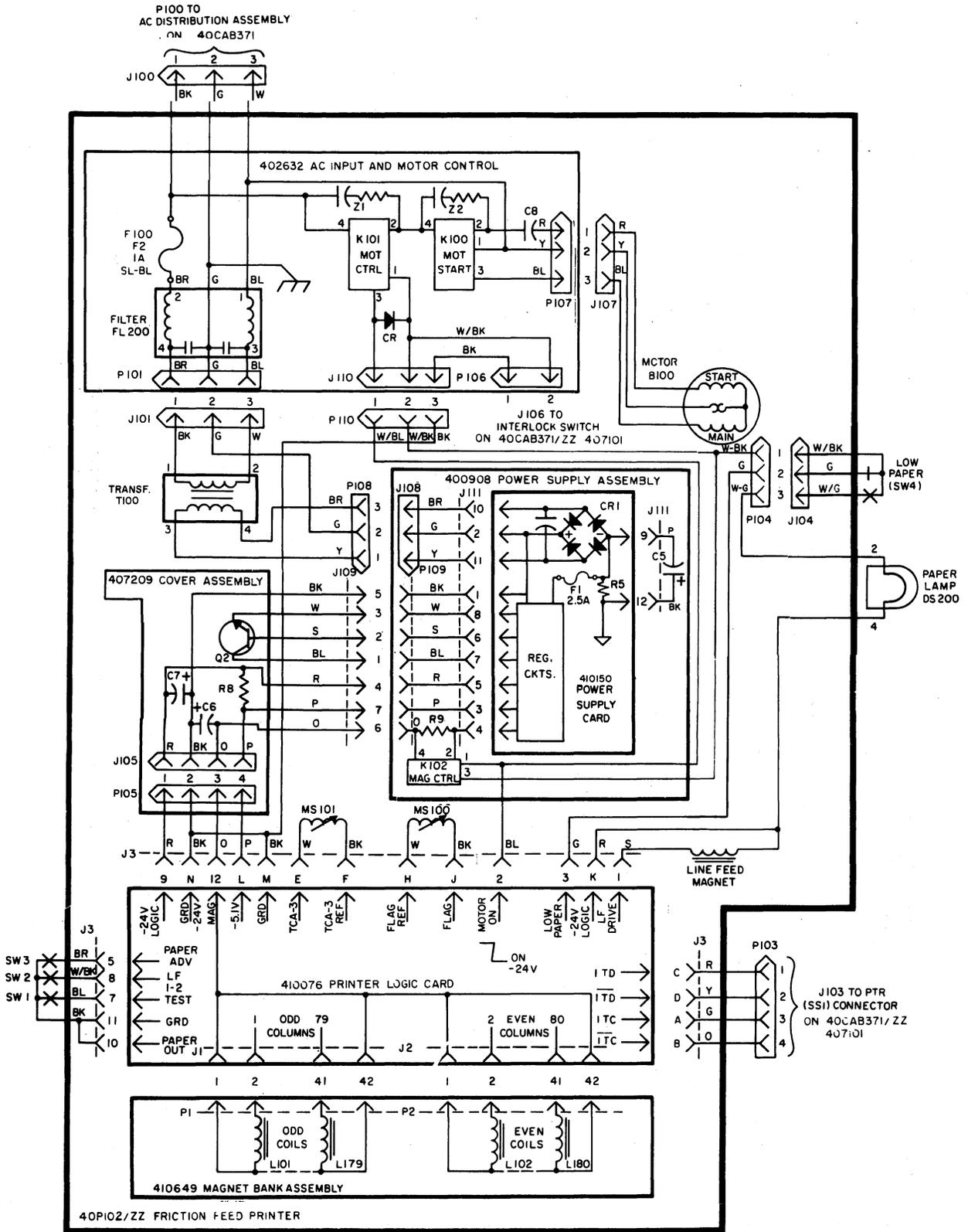


Fig. 7—40P102/ZZ Friction Feed Printer

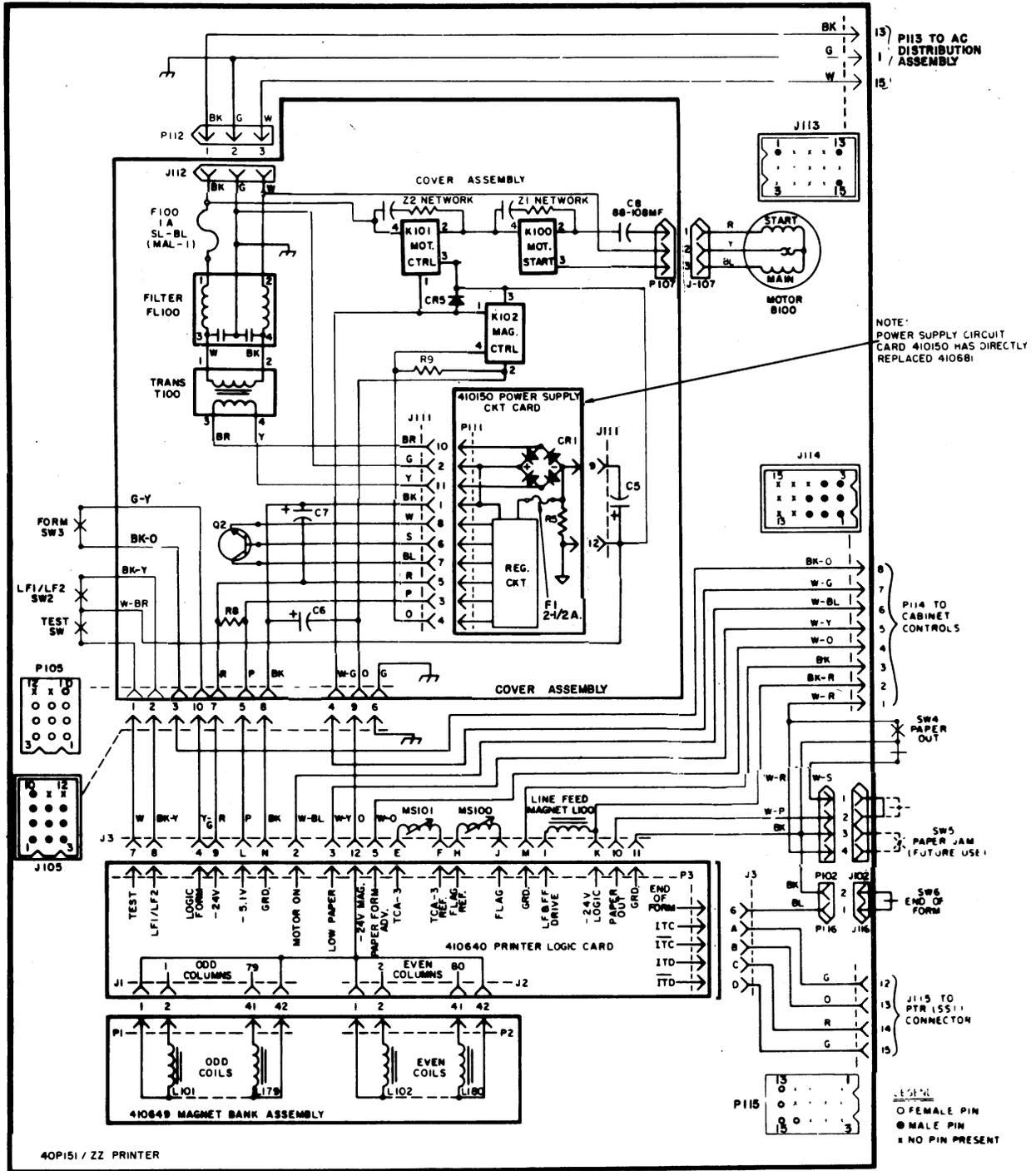


Fig. 8—40P151/ZZ 80-Column Tractor Feed Printer

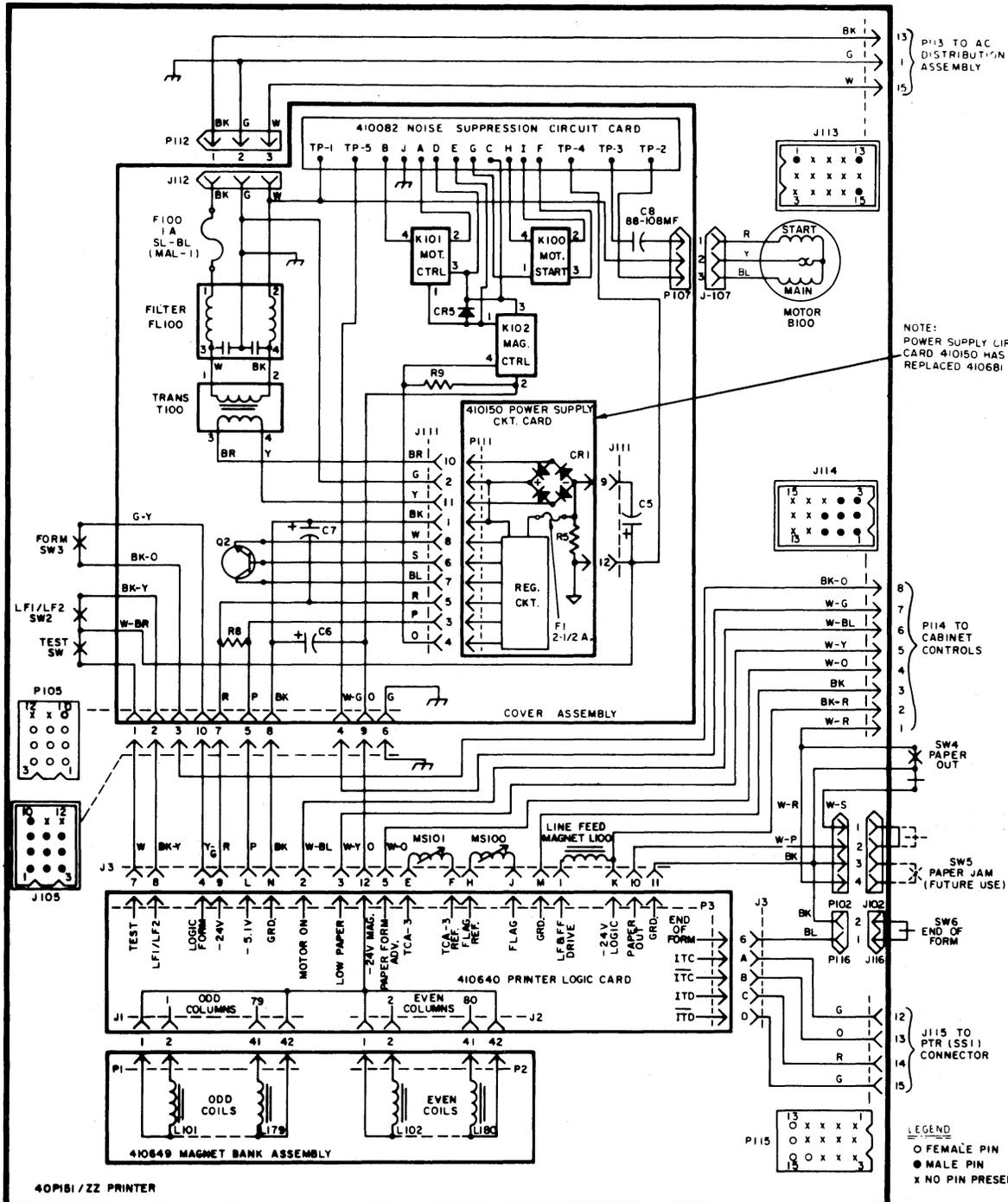


Fig. 8—40P151/ZZ 80-Column Tractor Feed Printer (Cont)



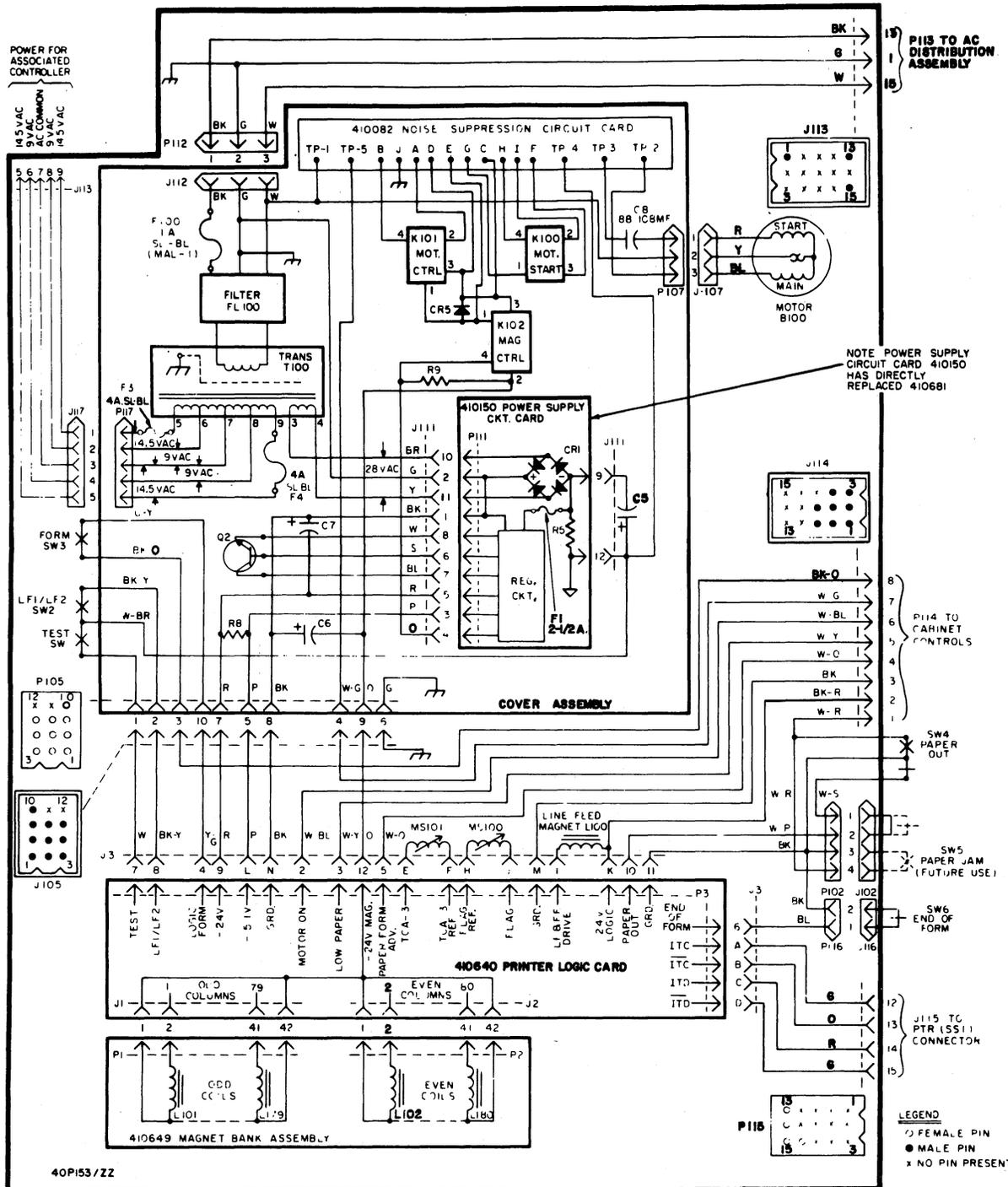


Fig. 9—40P153/ZZ 80-Column Tractor Feed Printer (Cont)

SECTION 582-200-403

*Note:* Grounding Option — Inserting Option Screw A on component side of 410151 circuit card connects -24 v dc circuit common to chassis. Inserting Option Screw B on component side of 410151 circuit card connects -24 v dc circuit common to +11.3 v dc circuit common. Inserting Option Screw A or B into noncomponent side of card leaves connection open. Refer to Option 61.

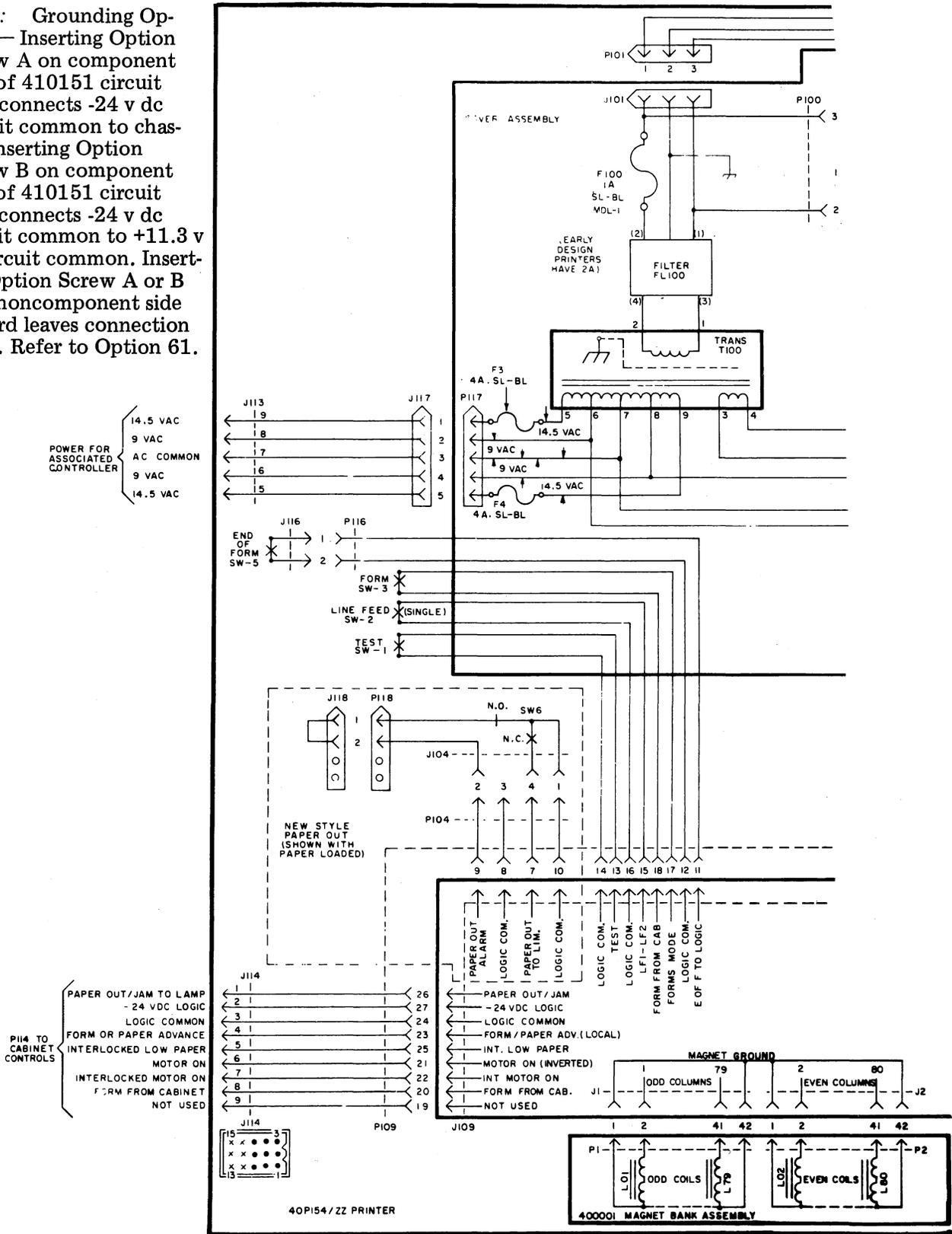


Fig. 10—40P154/ZZ 80-Column Tractor Feed Printer

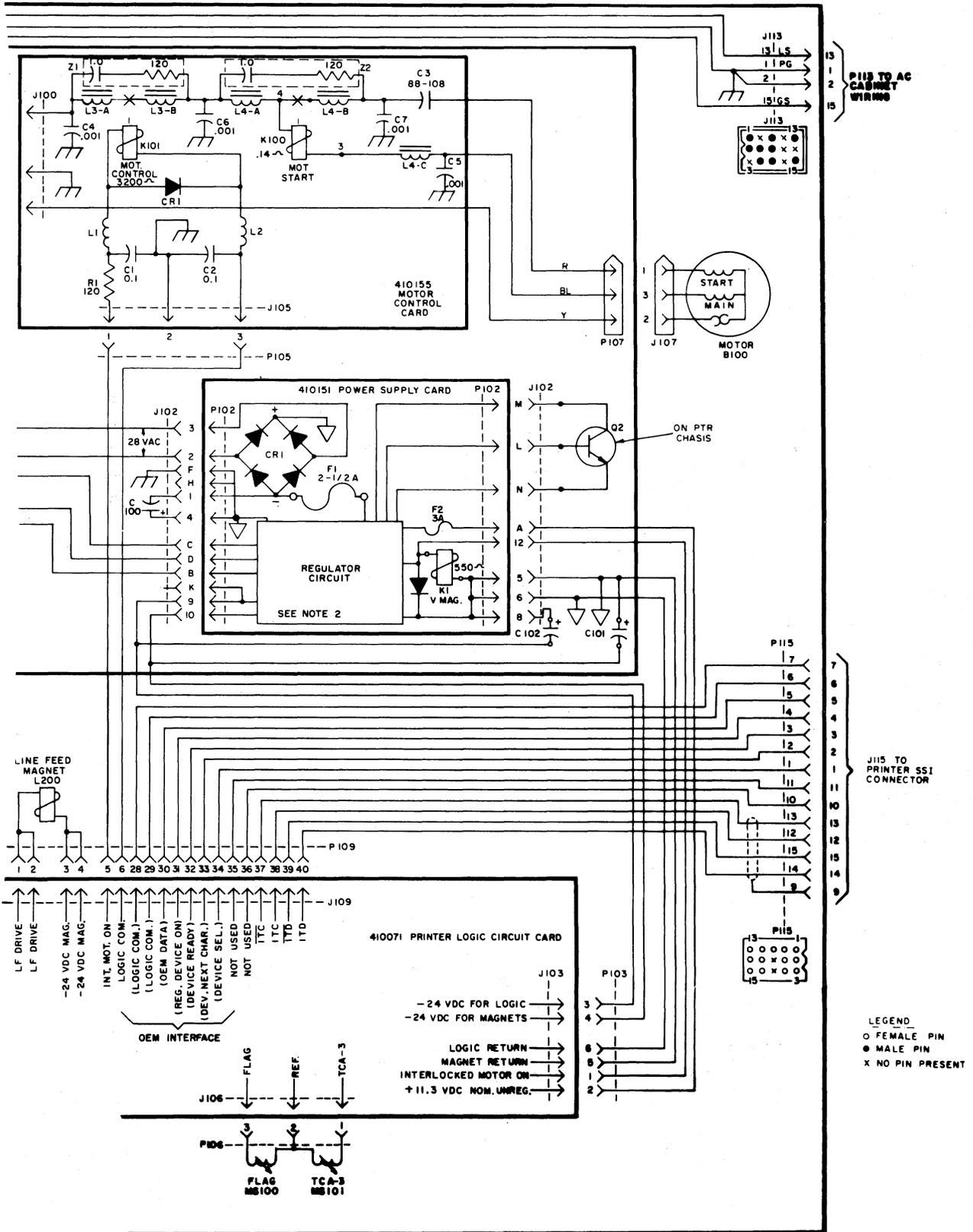
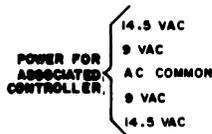


Fig. 10-40P154/ZZ 80-Column Tractor Feed Printer (Cont)

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**Note 1:** Grounding Option — Inserting Option Screw A on component side of 410151 circuit card connects -24 v dc circuit common to chassis. Inserting Option Screw B on component side of 410151 circuit card connects -24 v dc circuit common to +11.3 v dc circuit common. Inserting either screw into noncomponent side of card leaves connection open.



**Note 2:** If the printer is equipped with a 410729 logic card, pins 1 and 68 of 410650 magnet bank assemblies will be connected to the -24 v magnet supply voltage. If the printer is equipped with a 410072 logic card, pins 1 and 68 of the 410650 magnet bank assemblies will be connected to magnet ground.

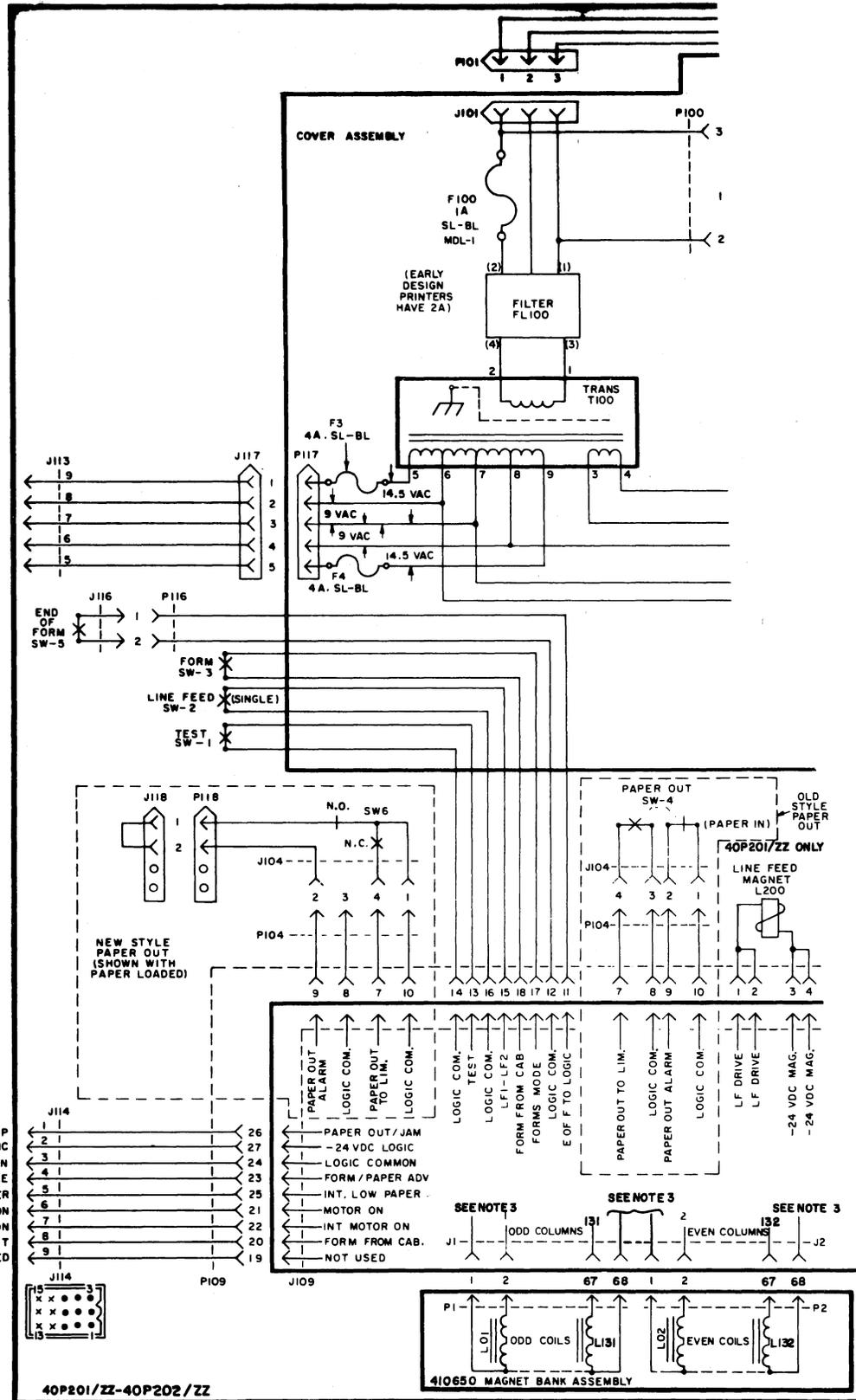
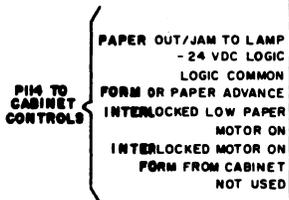


Fig. 11—40P201/ZZ and 40P202/ZZ 132-Column Tractor Feed Printer

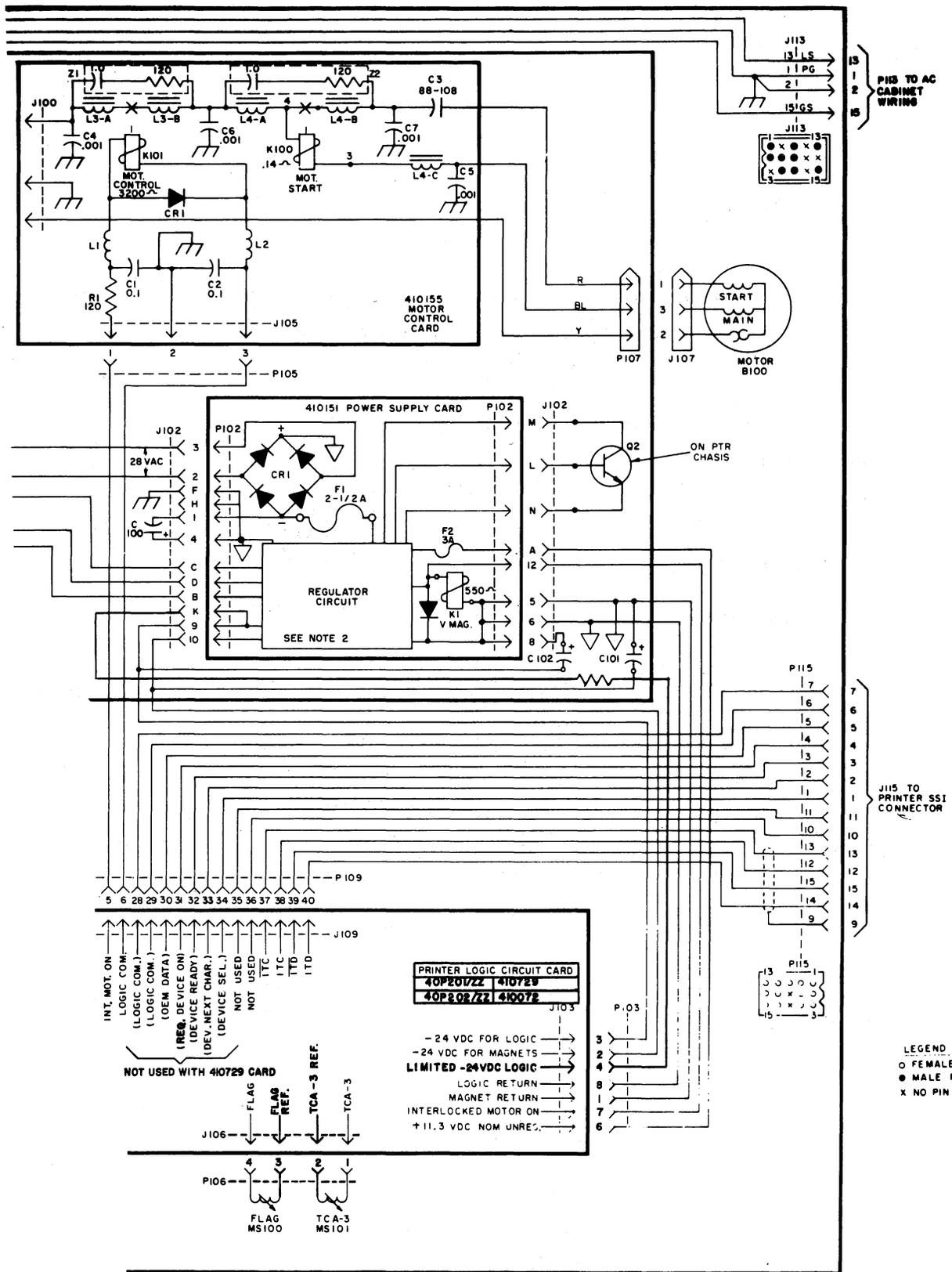
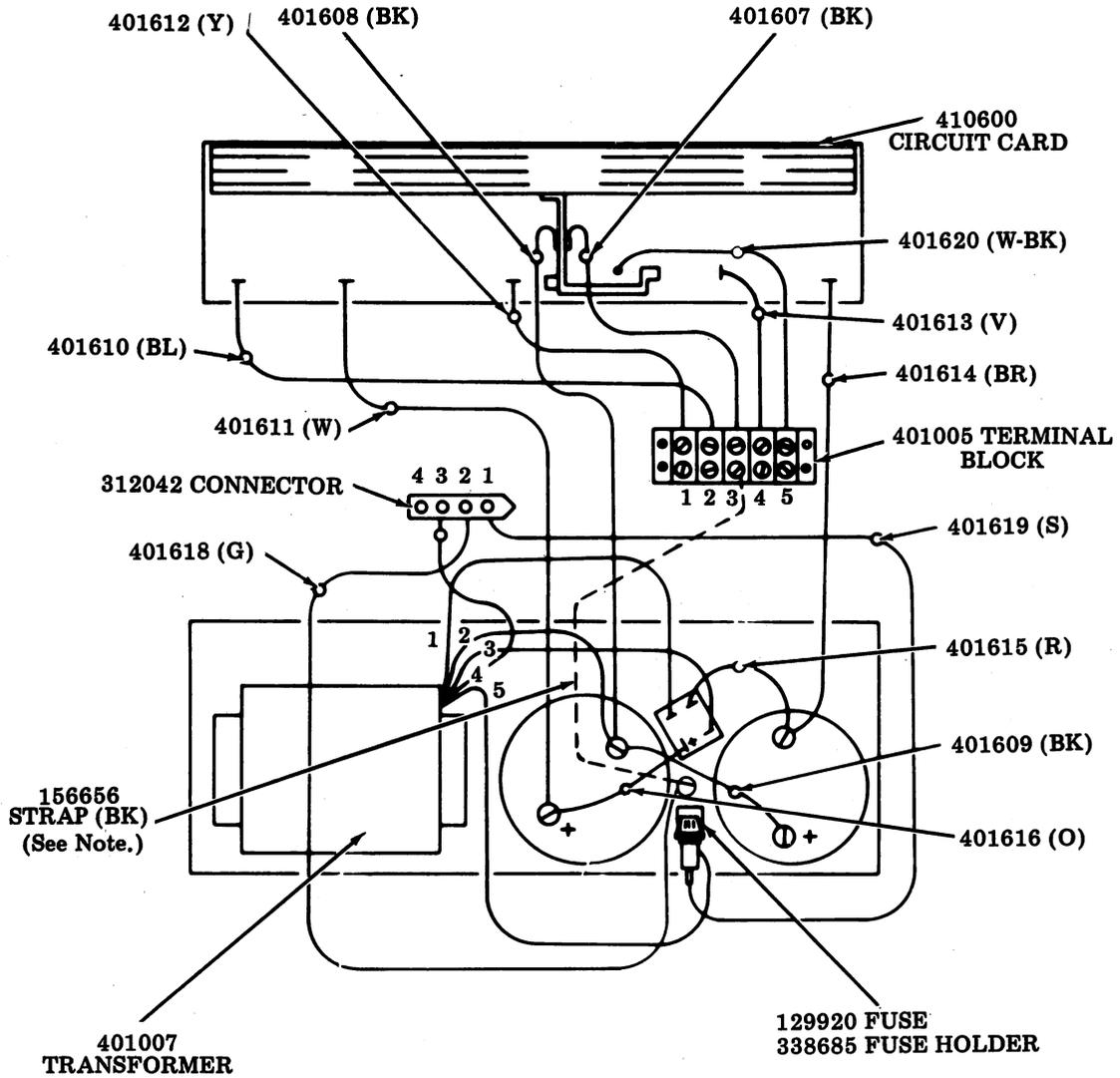


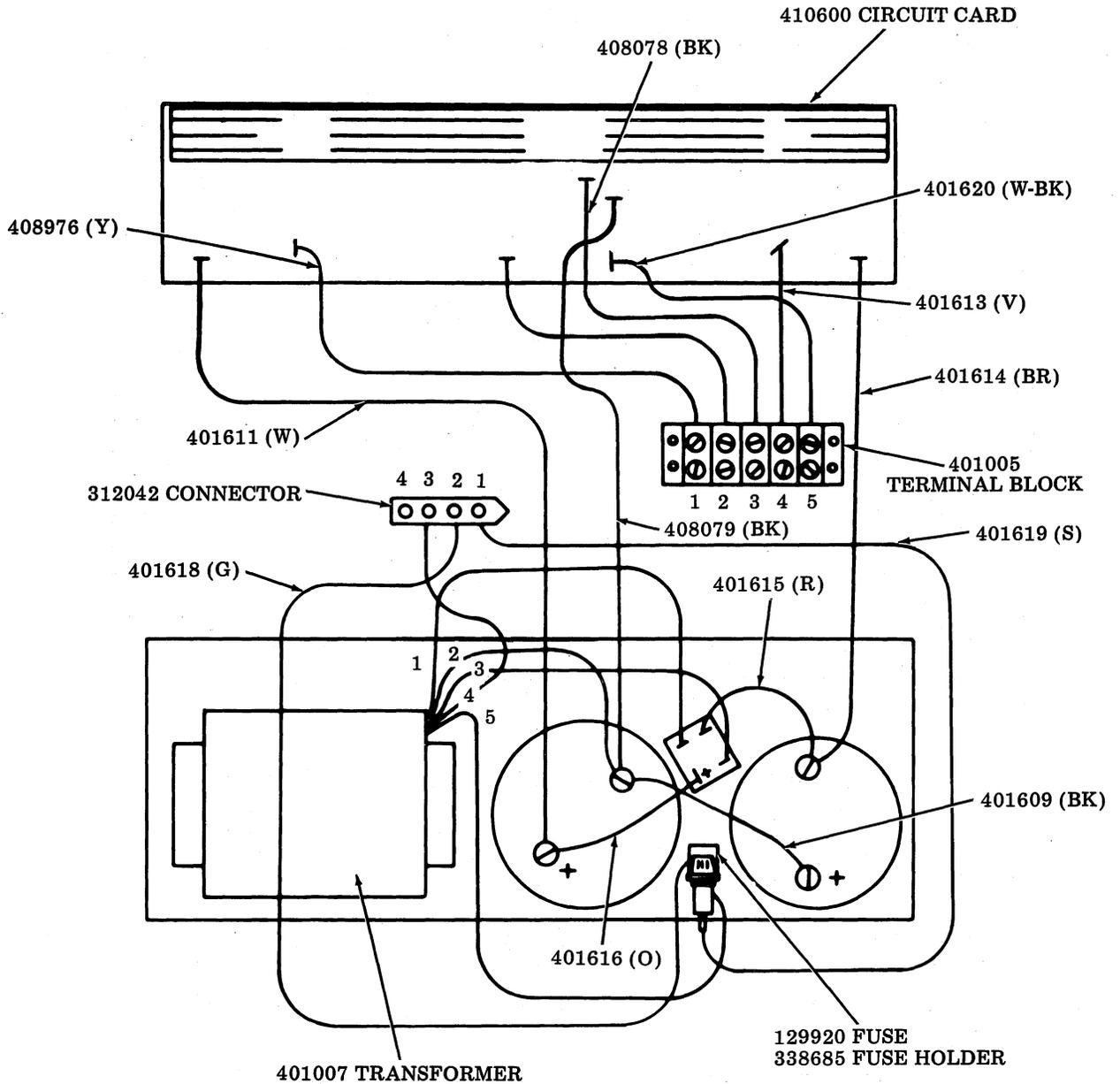
Fig. 11—40P201/ZZ and 40P202/ZZ 132-Column Tractor Feed Printer (Cont)



**Transformer  
Wiring Colors**

- 1 - R
- 2 - G-Y
- 3 - R-Y
- 4 - BK
- 5 - BK

Fig. 12—40PSU101 Power Supply (Early Design)



**Transformer  
Wiring Colors**

- 1 - R
- 2 - G-Y
- 3 - R-Y
- 4 - BK
- 5 - BK

Fig. 13—40PSU101 Power Supply (Late Design)

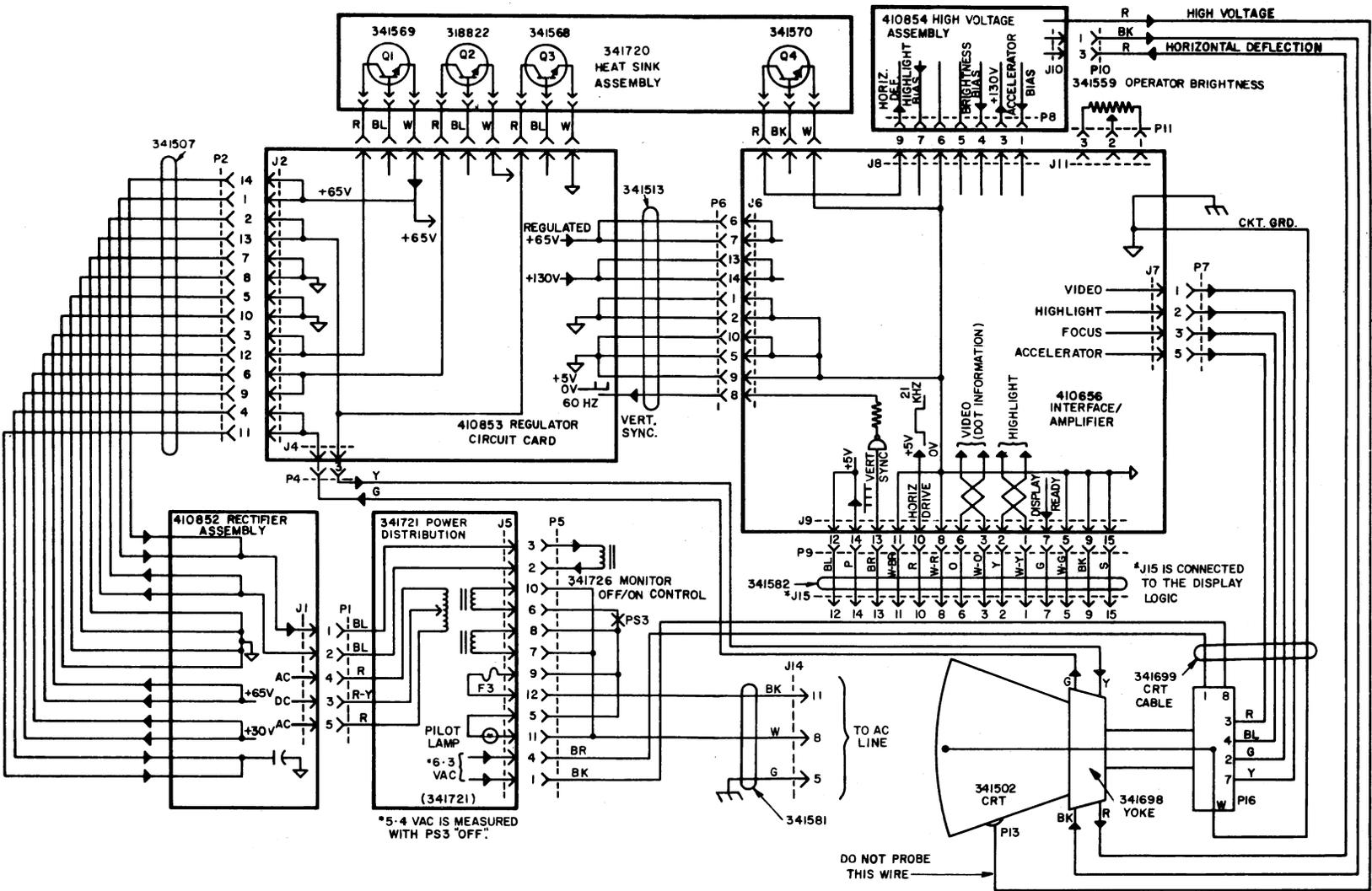


Fig. 14-40MN101/AA Display Monitor

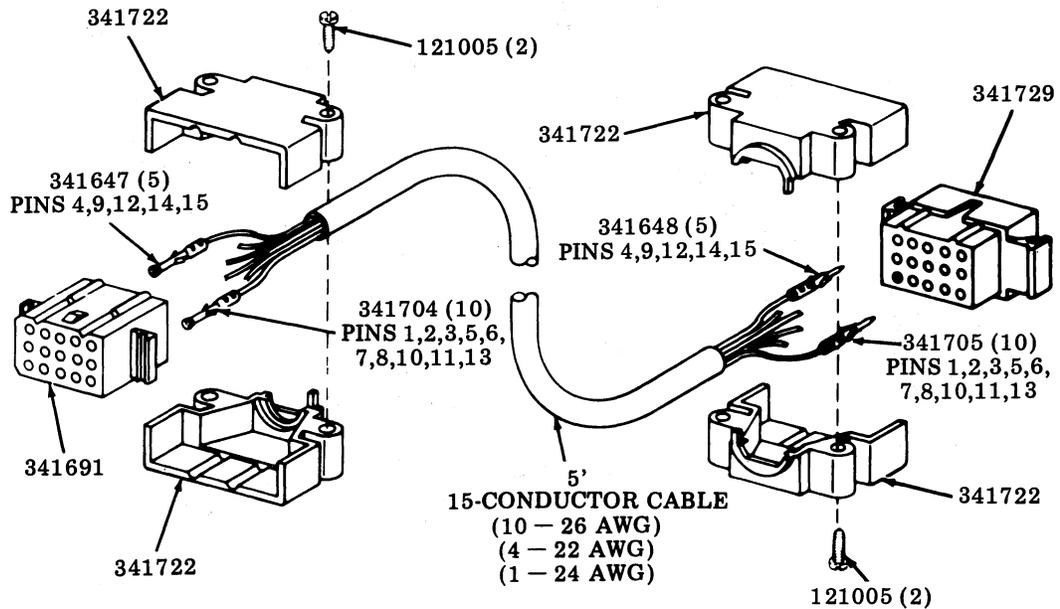
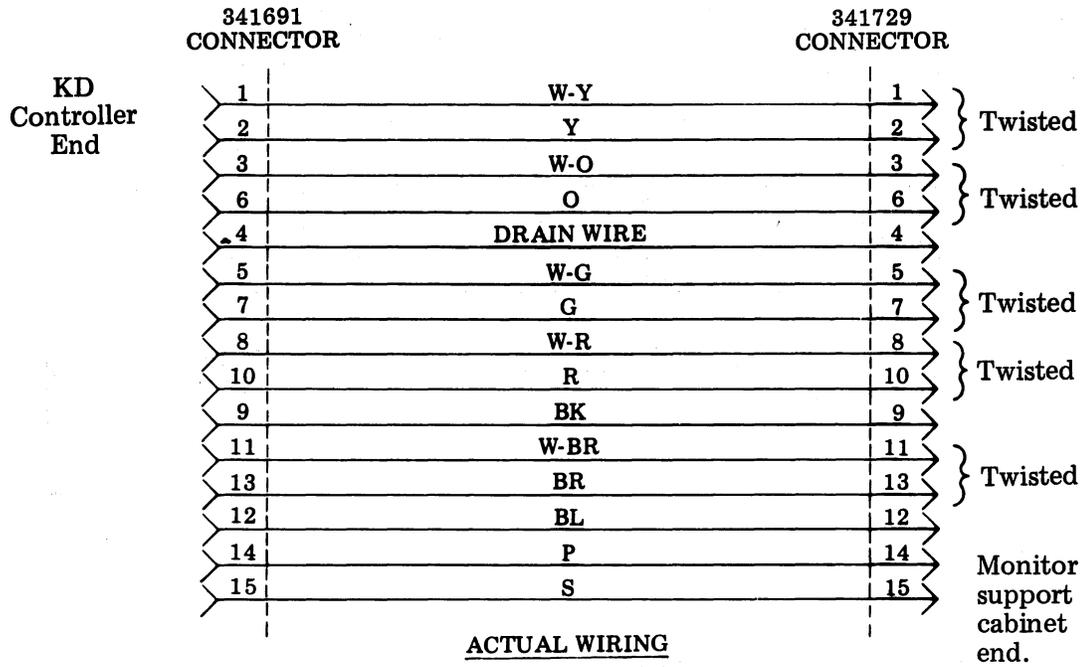


Fig. 15-341893 Monitor Extension Cable Assembly

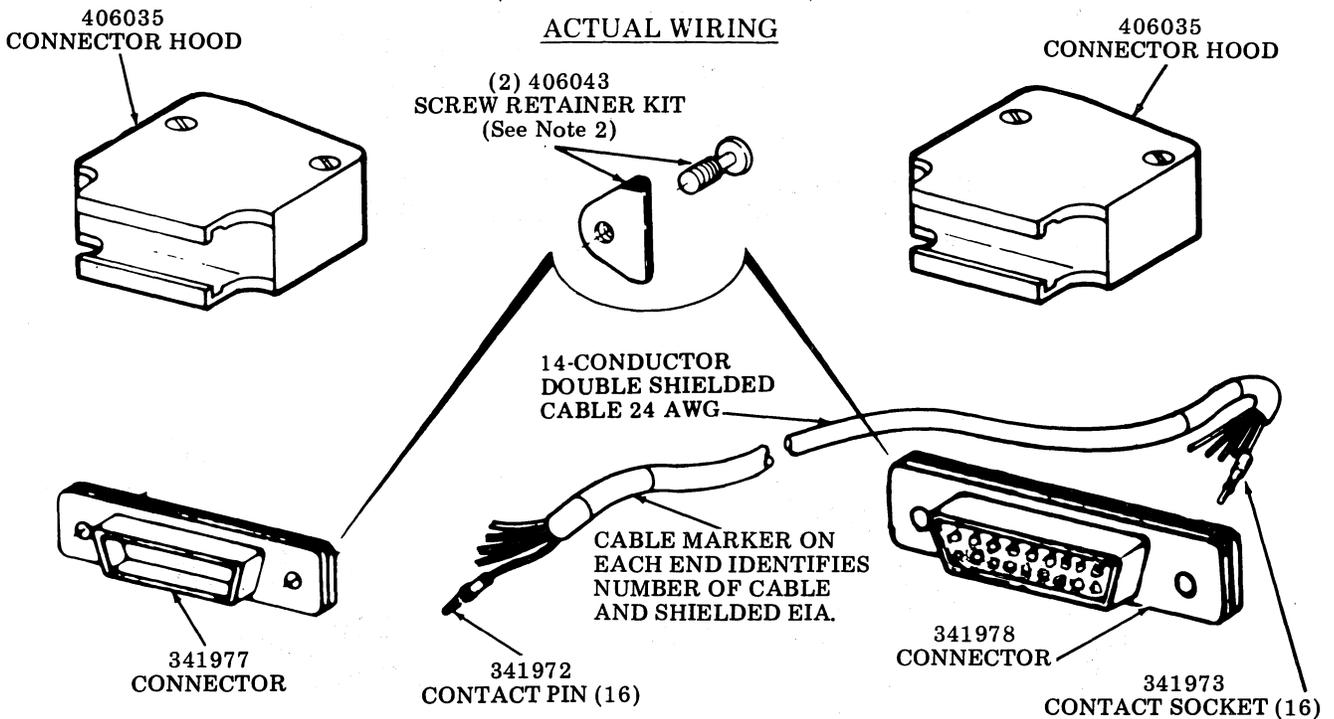


Data Set End  
(See Note 1)

Note 1: ROP end in  
KD-ROP applications.

341977 CONNECTOR		341978 CONNECTOR	
1	OUTER DRAIN	1	
2	BR	2	
3	R	3	
4	O	4	
5	Y	5	
6	G	6	
7	INNER DRAIN	7	
8	P	8	
11	S	11	
12	W	12	
15	W-BK	15	
17	W-BR	17	
20	W-R	20	
22	W-O	22	
23	W-Y	23	
25	BL	25	

ACTUAL WIRING

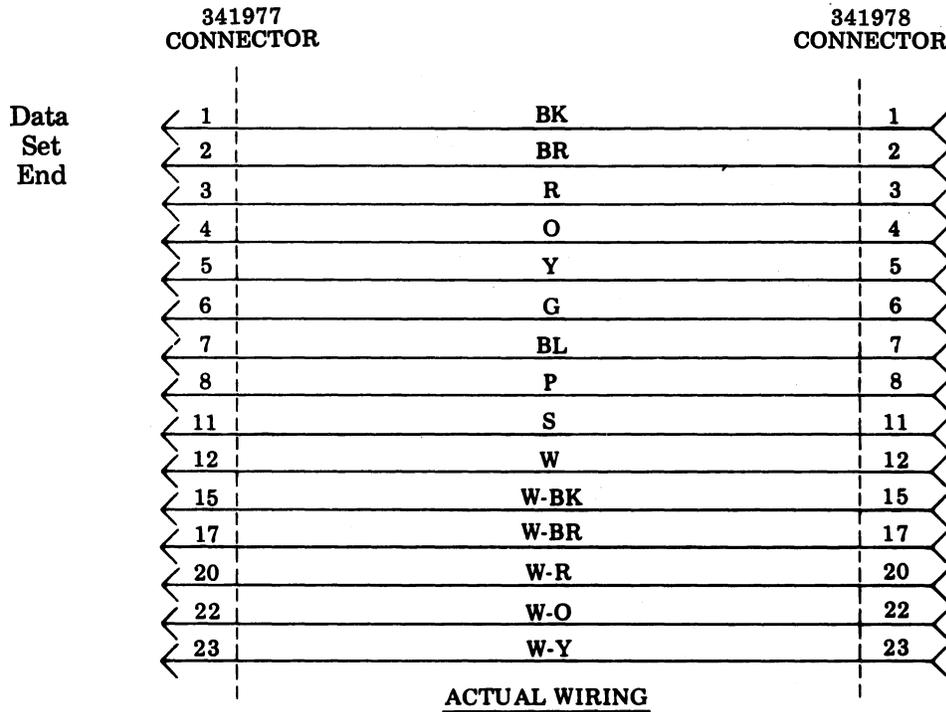


CABLE	LENGTH
408065	7 FT
408066	12 FT
408067	25 FT
408068	50 FT

Note 2: Each 406043 screw retainer kit contains (2) screws and (2) retainers.

Note 3: The 341896 cable assembly is replaced by the 408065 shielded cable assembly in the 40/2 KD, KDP, and KD-ROP.

Fig. 17—408065, 408066, 408067 or 408068 EIA Data Set Cable Assembly



*Note 1:* 341896 cable is replaced by 408065 shielded cable assembly in 40/2.

*Note 2:* 341896 cable is also used in KD-ROP to connect KD to ROP.

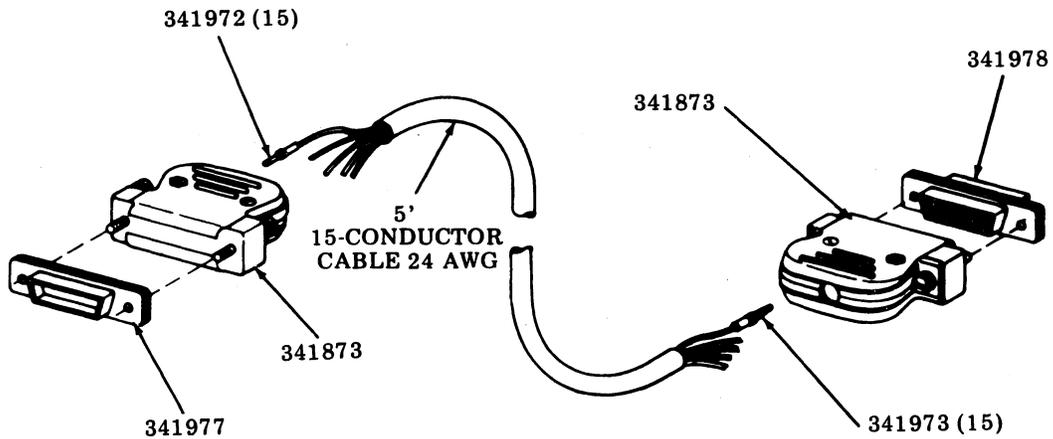


Fig. 18—341896 Data Set Cable Assembly

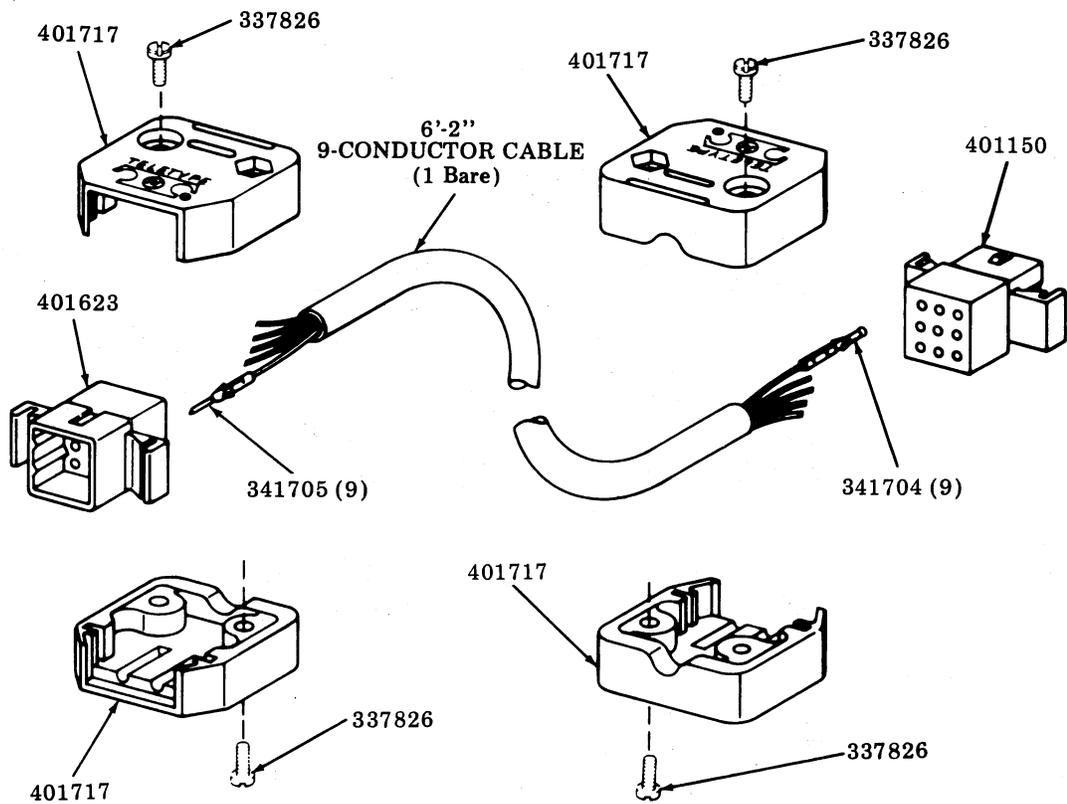
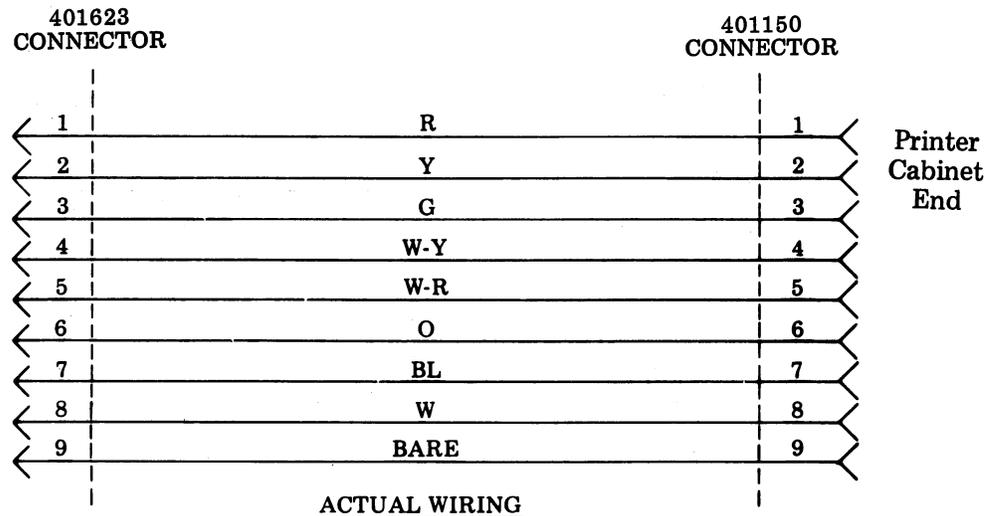


Fig. 19—401641 Opcon Extension Cable Assembly

401623 CONNECTOR		401150 CONNECTOR
1	Y	1
2	R	2
3	G	3
4	BL	4
5	W	5
6	O	6
9	BARE	9

ACTUAL WIRING

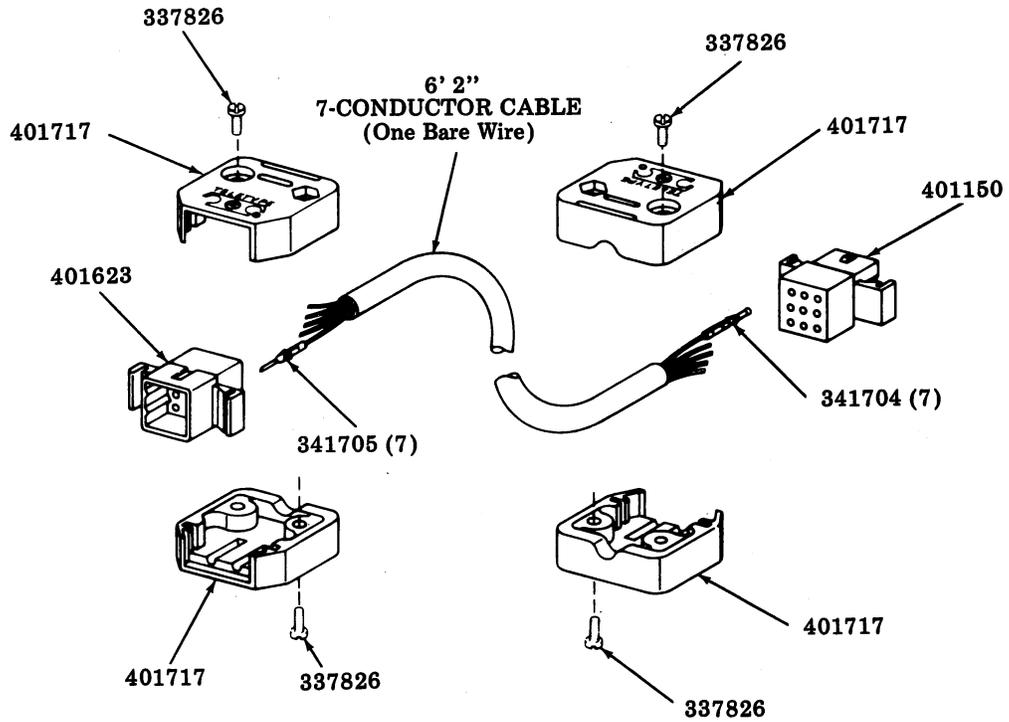


Fig. 20— 401640 Printer Extension Cable Assembly

341977 CONNECTOR (X)		341978 CONNECTOR (D)	
1	BK	1	
2	BR	2	
3	R	3	
4	O	4	
5	Y	5	
7	BL	7	
8	P	8	
11	W-BK	11	
12	W-BR	12	
13	W-R	13	
14	W-O	22	
15	W-Y	15	
19	W-S	6	
20	W-BK-BK	20	
21	W-BK-BR	21	
23	W-BK-O	23	
25	W-BK-BL	25	

ACTUAL WIRING

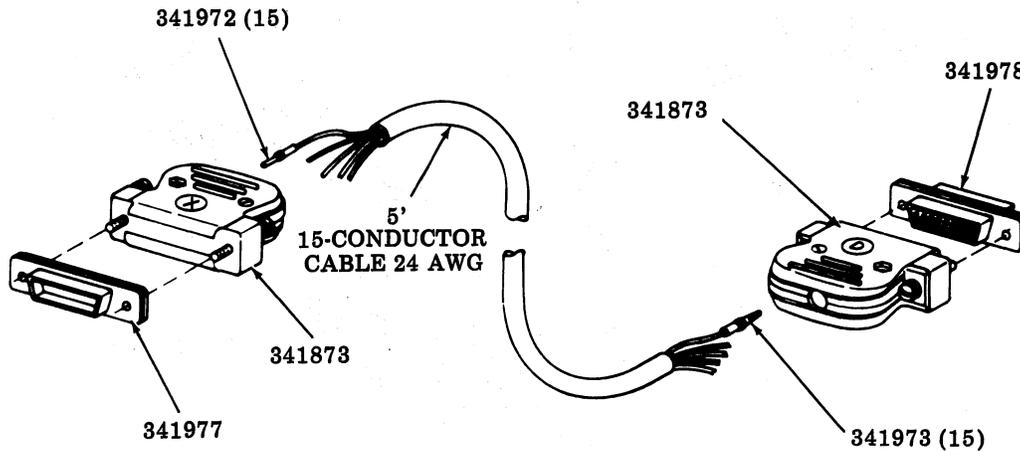
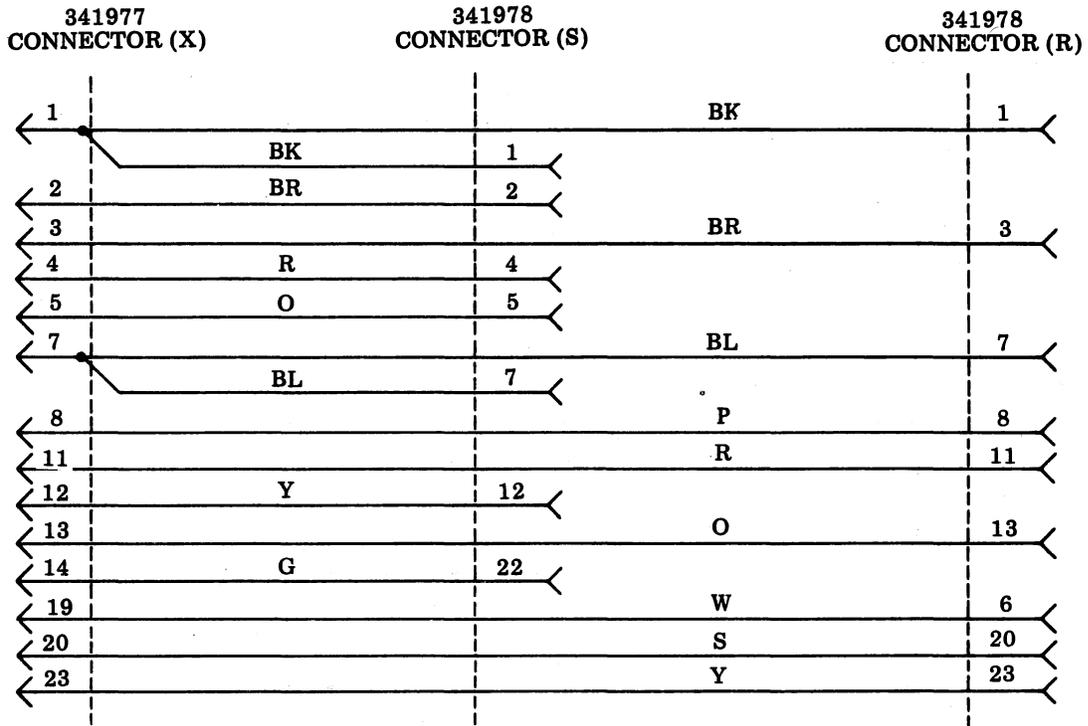


Fig. 21—345603 Interface Cable Assembly (KD, KDP, KD-ROP)



ACTUAL WIRING

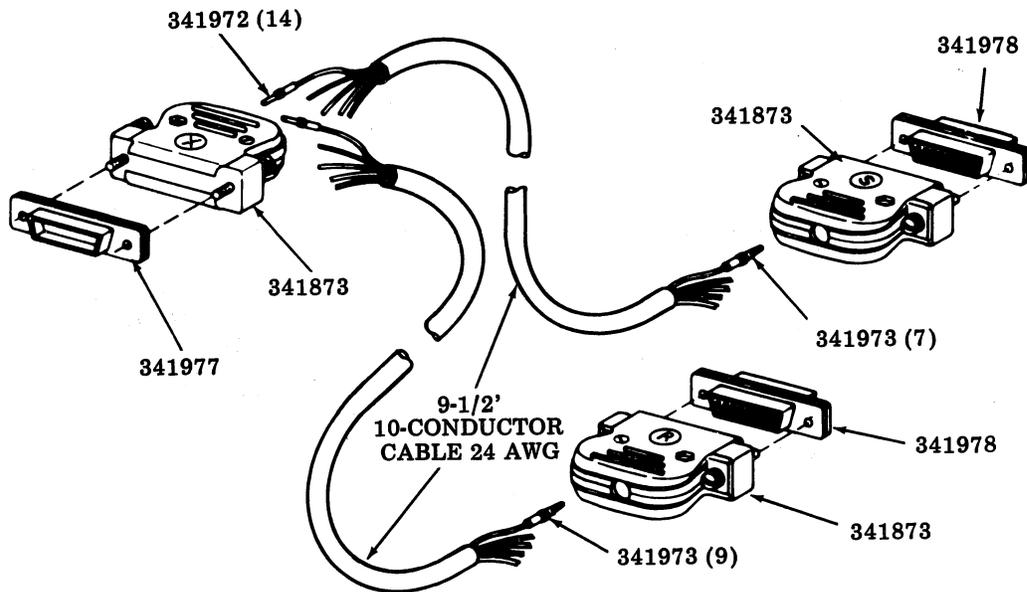
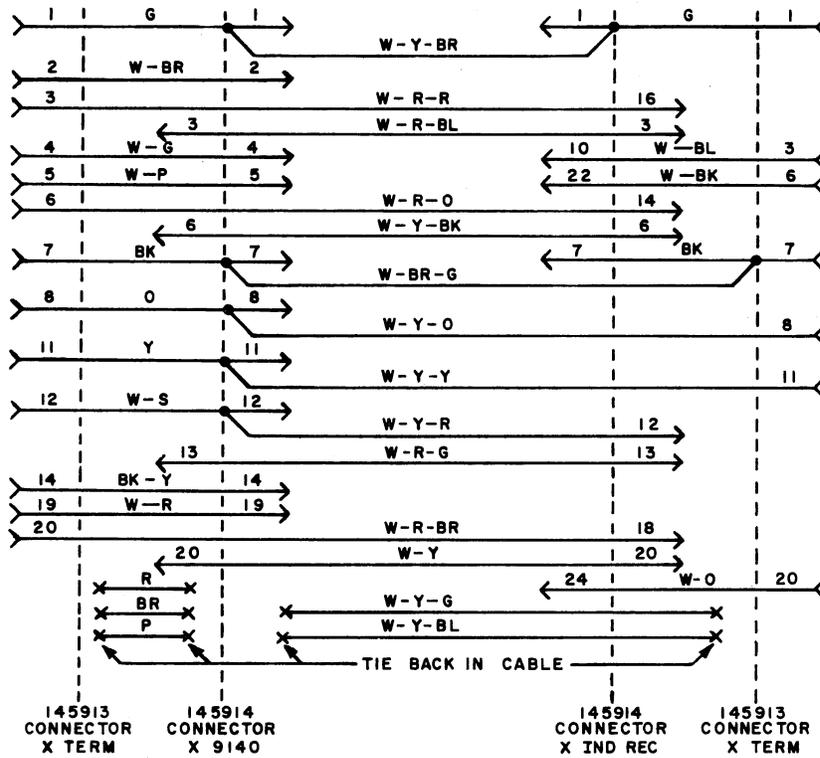


Fig. 22—345613 Interface Cable Assembly (KD & ROP or KDP & ROP)



**ACTUAL WIRING**

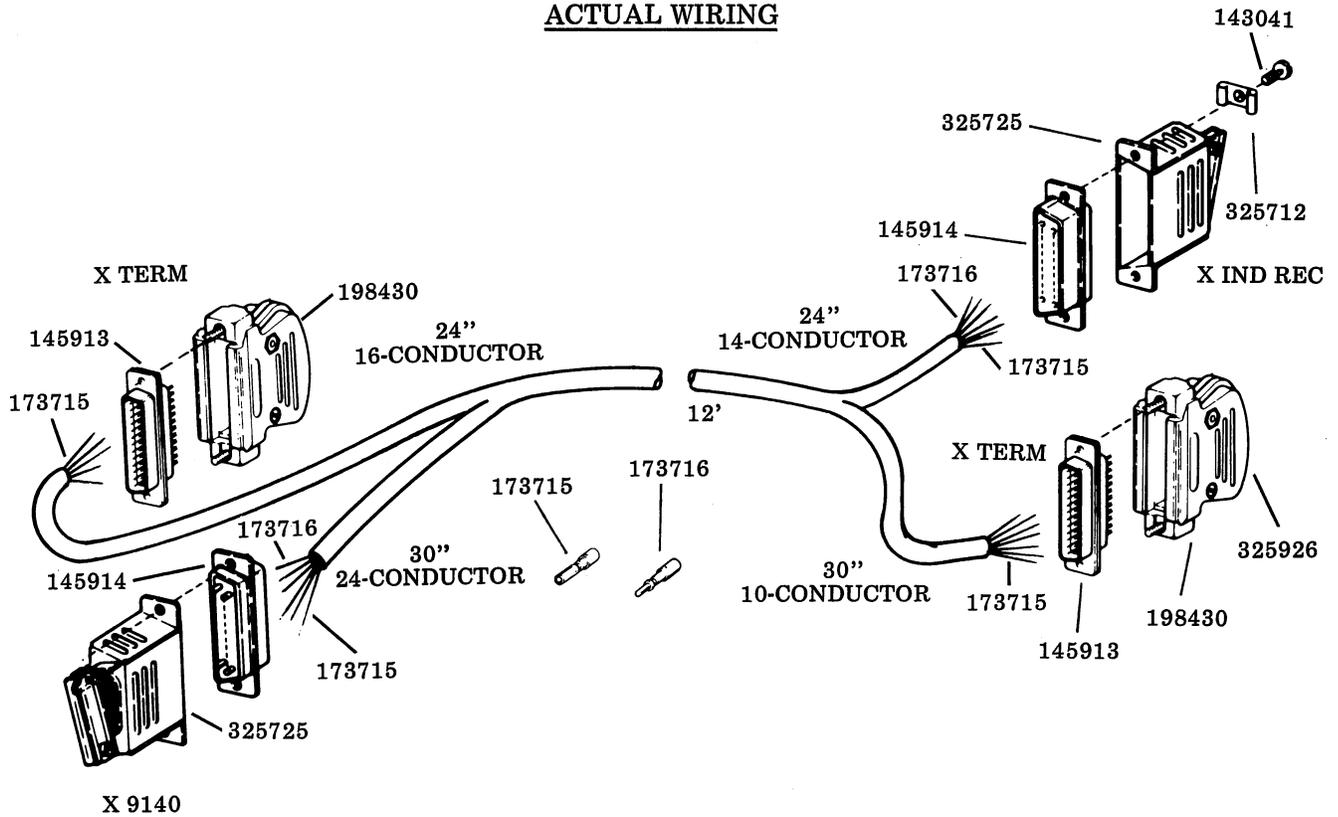


Fig. 23-344545 Individual Receiver Selection Cable Assembly  
(Part of 344555 Modification Kit)