

TELETYPEWRITER COMPATIBLE "DATASPEED*" 40/2

WIRING DIAGRAMS

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1. GENERAL

1.01 This section provides wiring diagrams and cable components referred to in Section 582-200-502.

1.02 The reasons for reissuing this section are:

- (1) To add information on wiring diagrams 40P102, 40P153, 40P154, 40P201, 40P202, 40P203, and 40P253 Printers and 401640 Printer Cable Assembly.
- (2) To add wiring information on late design 40PSU101 Power Supply.
- (3) To correct wiring diagrams on KDP Arrangements.

Since this reissue is a general revision, no revision arrows have been used to denote significant changes.

1.03 The 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 582-200-702.

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 (and to the telephone set, if applicable) is not given in this section. Refer to the applicable data set 9-digit sections.

103G	—	591-026-200
103J	—	591-039-200
103JR	—	591-044-200
108F	—	591-042-100
108G	—	591-042-100
113A	—	591-033-200
113C	—	591-041-200
113CR	—	591-046-200
113D	—	591-040-200
113DR	—	591-047-200
201C	—	592-029-200
201CR	—	592-036-200
202C	—	592-015-200
202R	—	592-025-200
202S	—	592-028-200
202SR	—	592-037-200
202T	—	592-031-200
208A	—	592-027-200
208B	—	592-030-200
208BR	—	592-038-200
209A	—	592-032-200
212A	—	592-034-200
212AR	—	592-039-200
829 DATA AUXILIARY SET — 598-082-200		

1.06 The wiring of ROP set (40C103 type controller) is in Section 582-200-102 references. The integrated ROP wiring (40C303 type 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, TP410055).

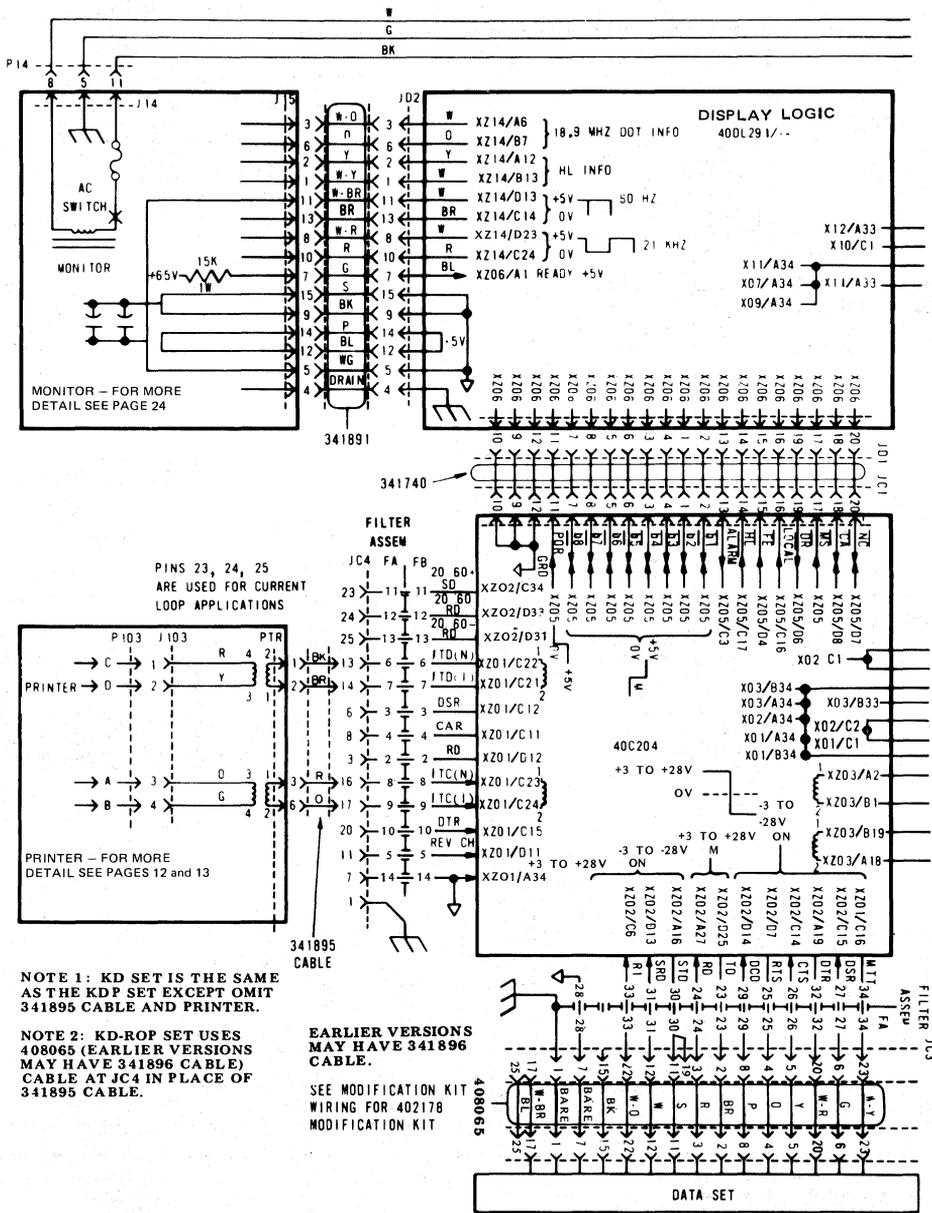


Fig. 2-KDP Set - Adjacent Printer

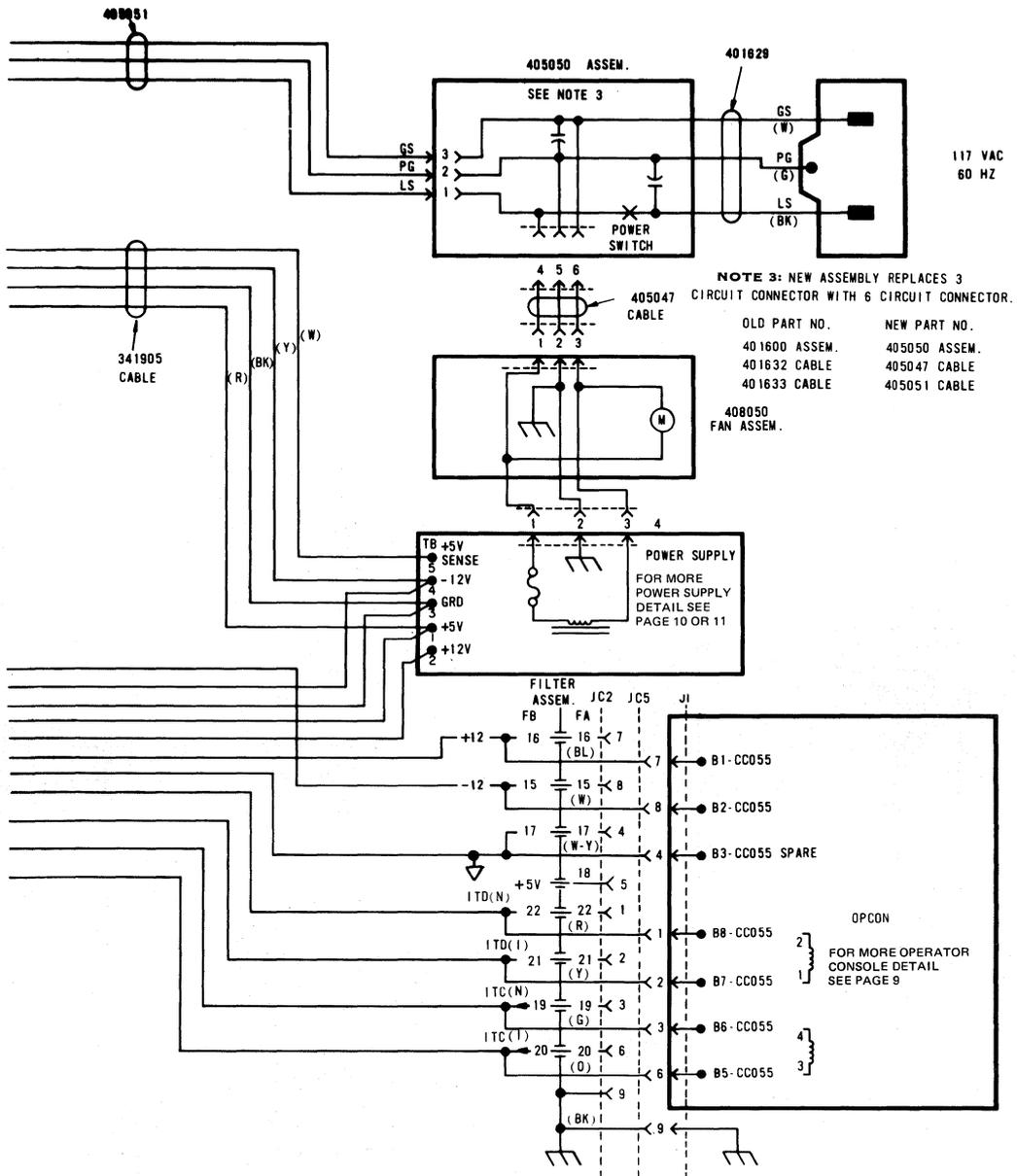
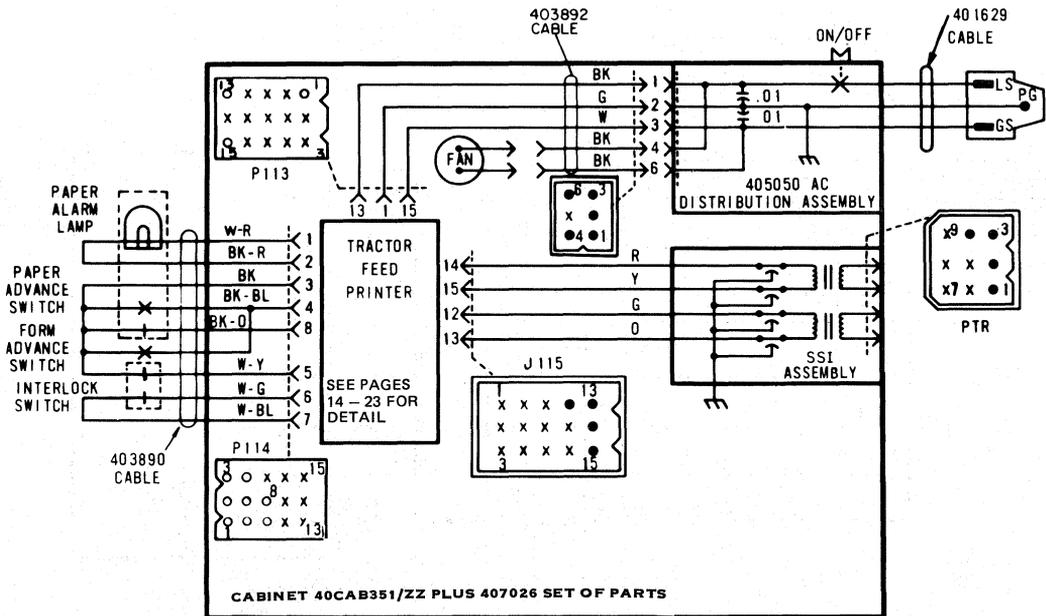
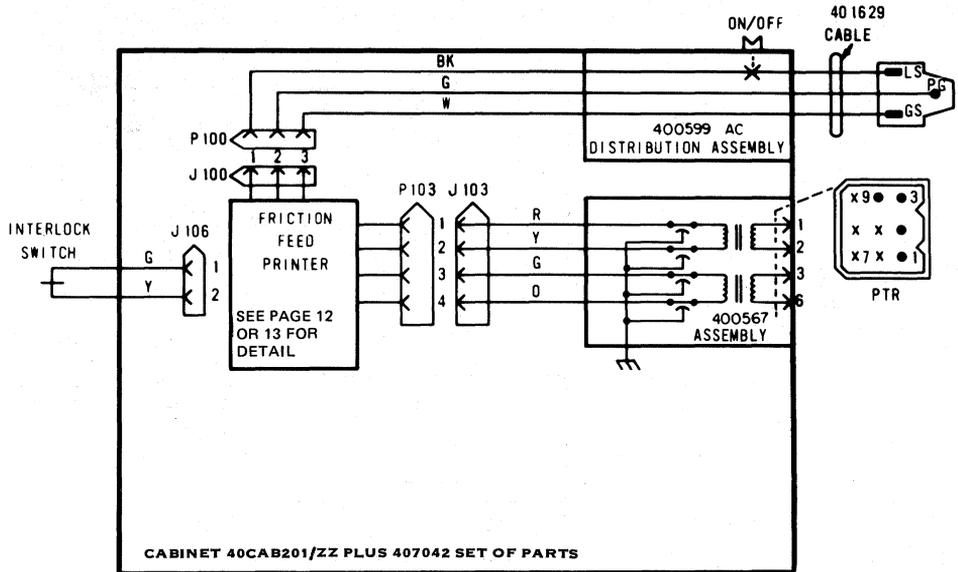


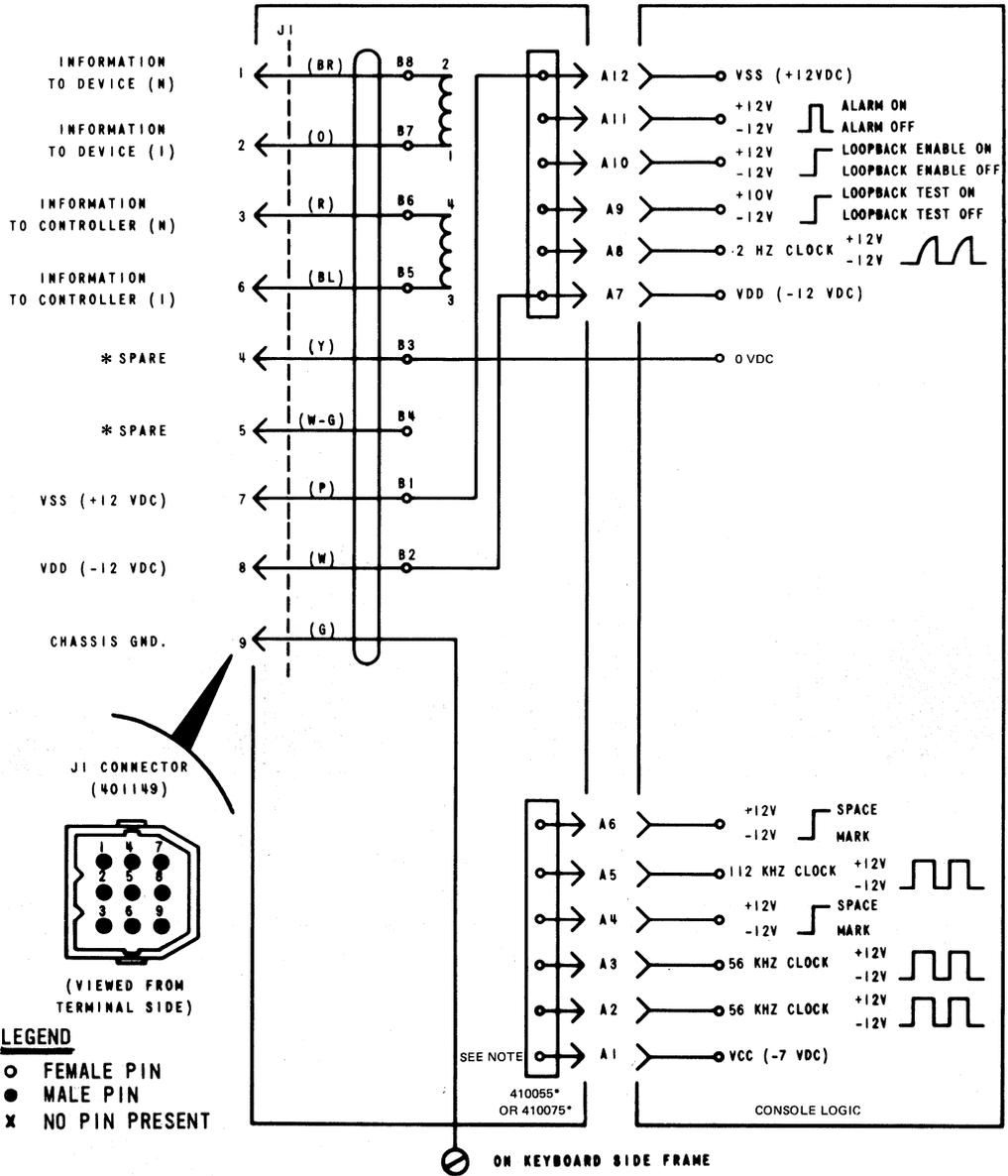
Fig. 2 (Cont)



ALSO APPLIES TO 40CAB353/ZZ PLUS 405671 SET OF PARTS (TRACTOR FEED)

- LEGEND**
- FEMALE PIN
 - MALE PIN
 - x NO PIN PRESENT

Fig. 4—Printer Cabinets



* PRESENT ONLY ON EARLY UNITS.

Note: Connector A1 is present only on early units.

Fig. 5-40K101/CAK Operator Console

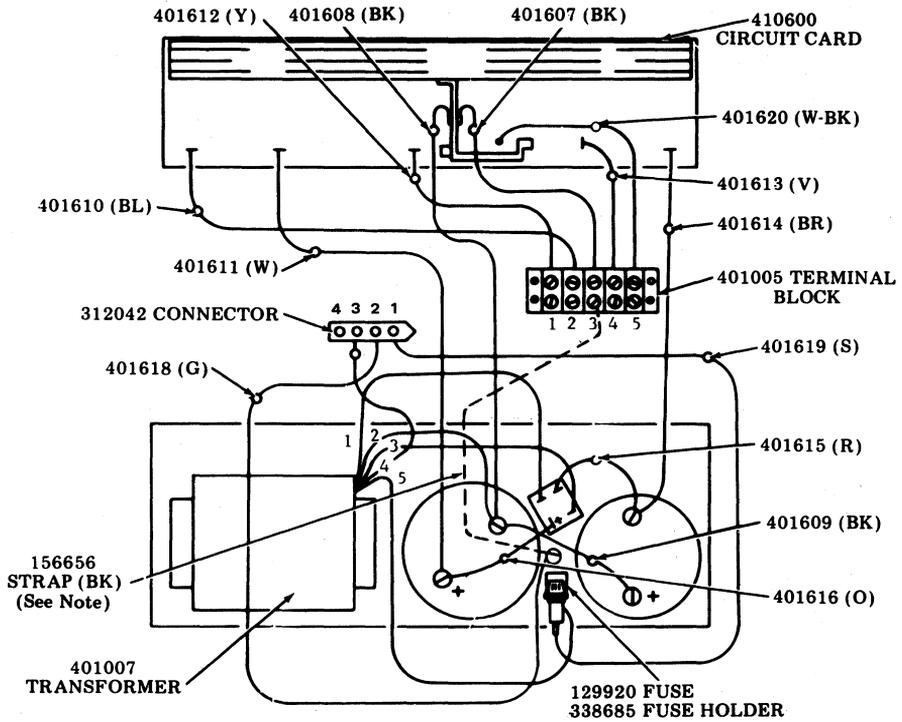


Fig. 6-40PSU101 Power Supply (Early Design)

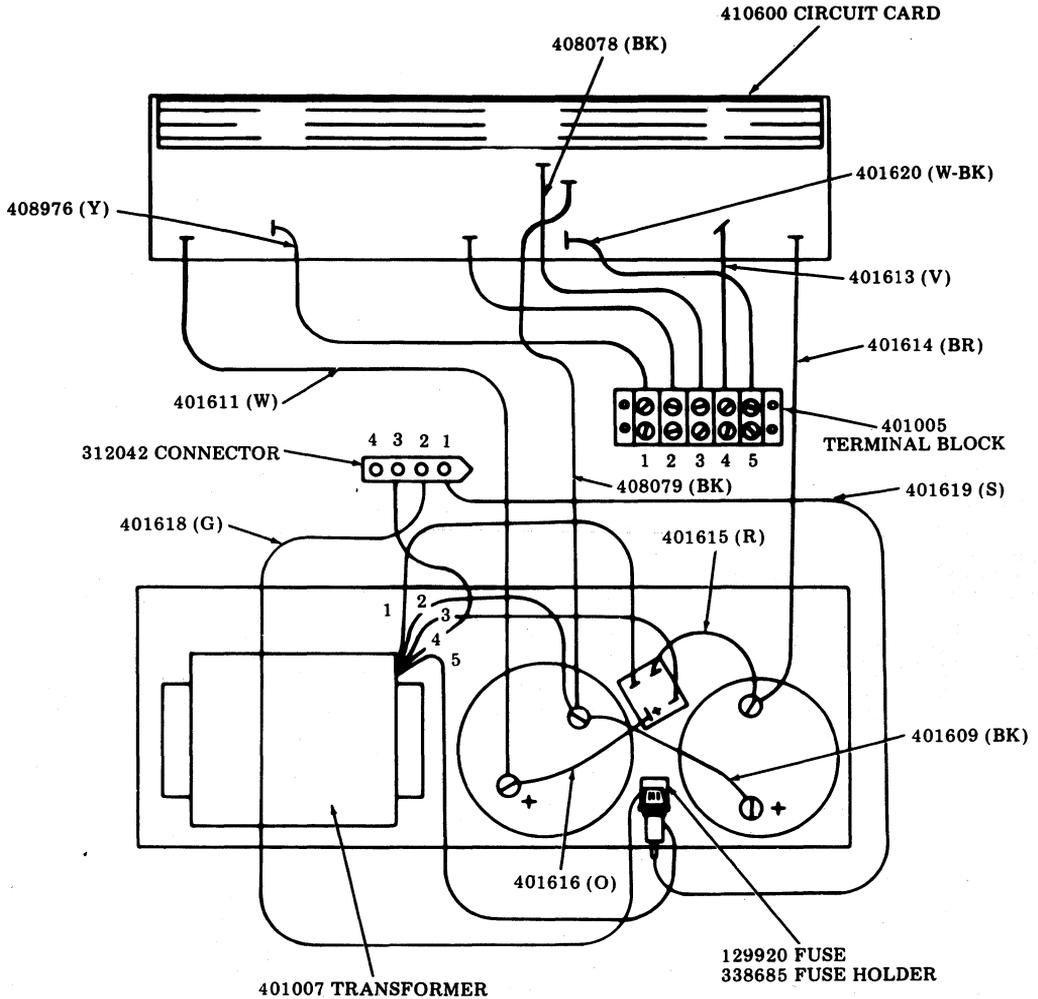


Fig. 6—40PSU101 Power Supply (Late Design) (Cont)

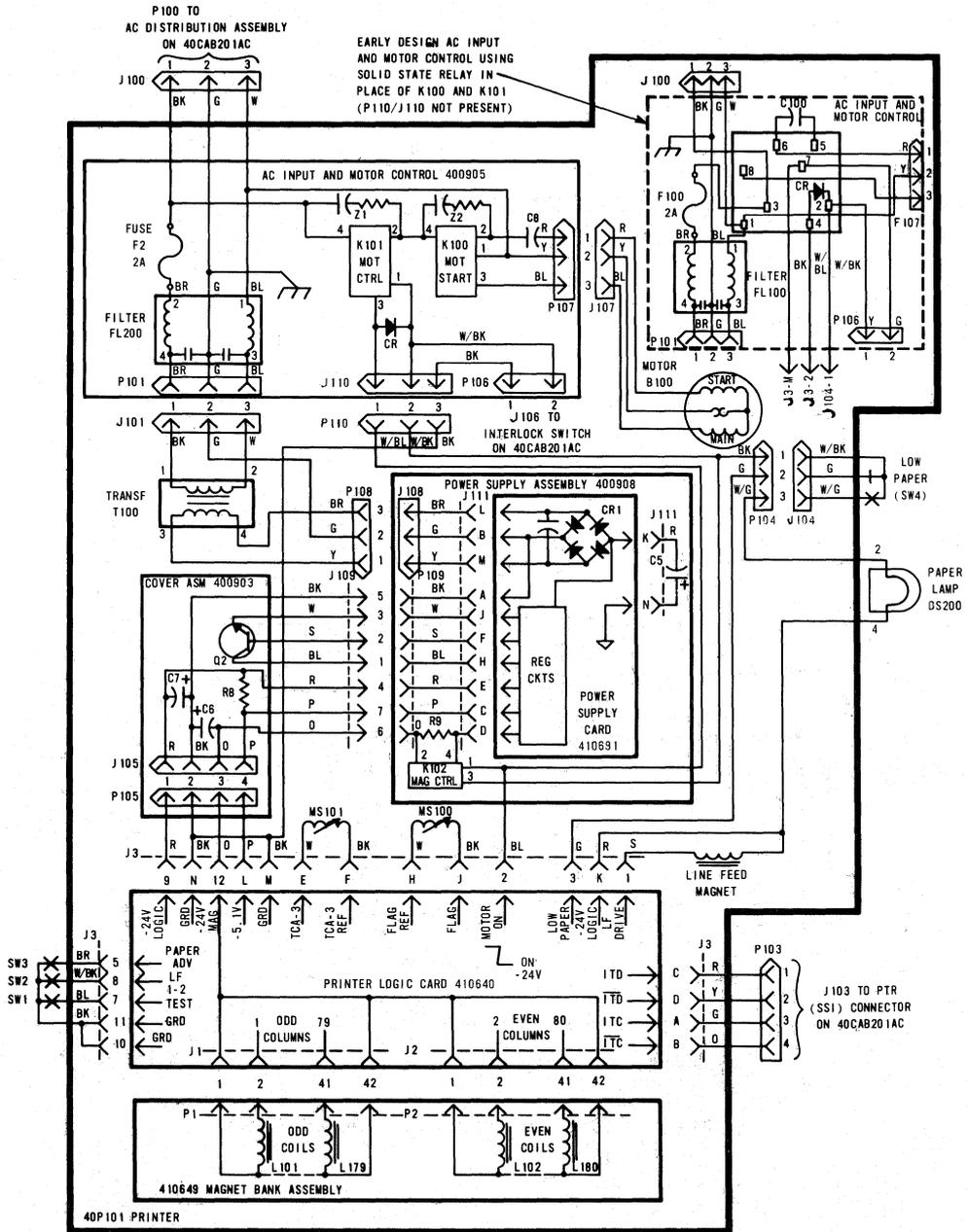


Fig. 7—40P101/ZZ Friction Feed Printer

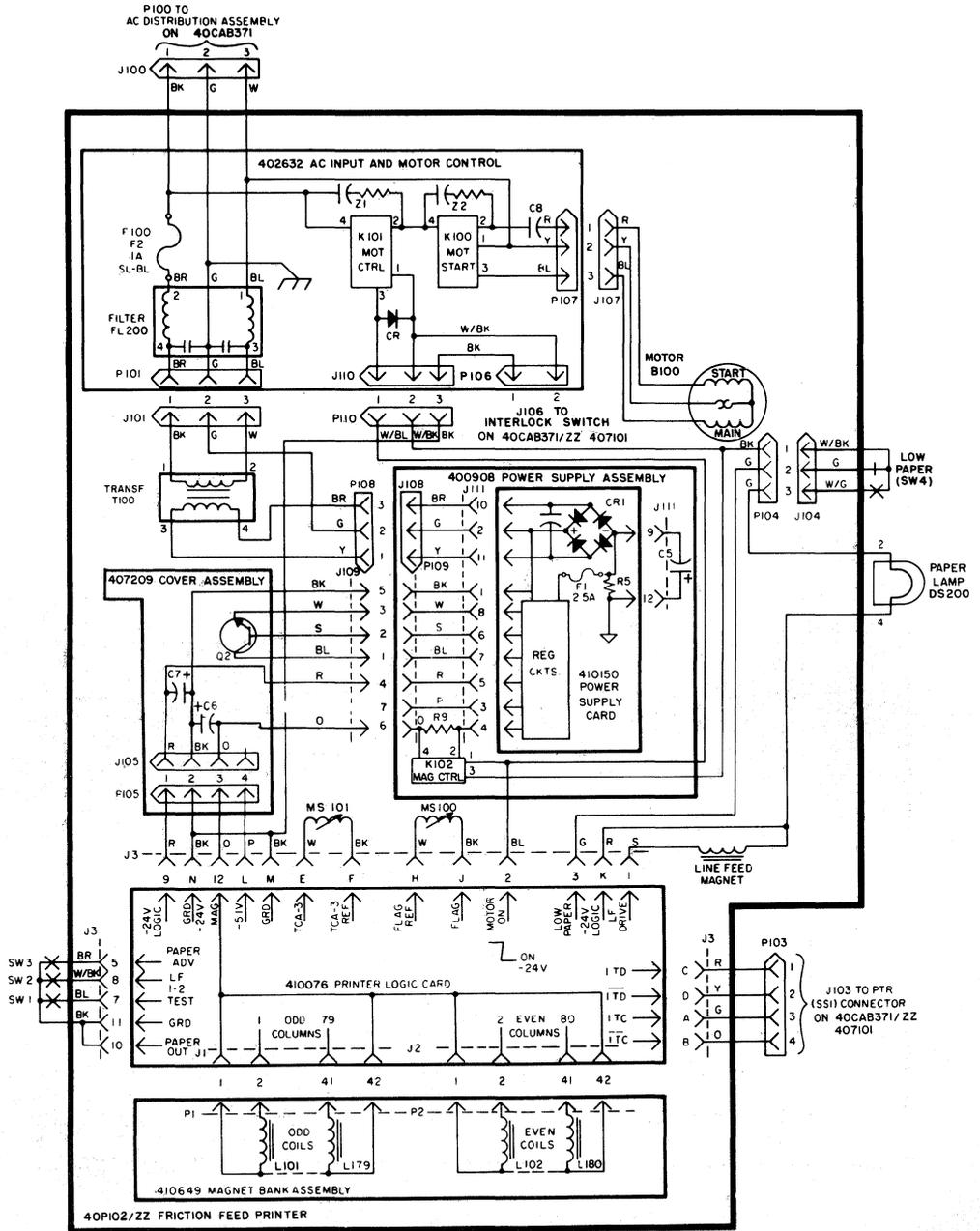


Fig. 8—40P102/ZZ Friction Feed Printer

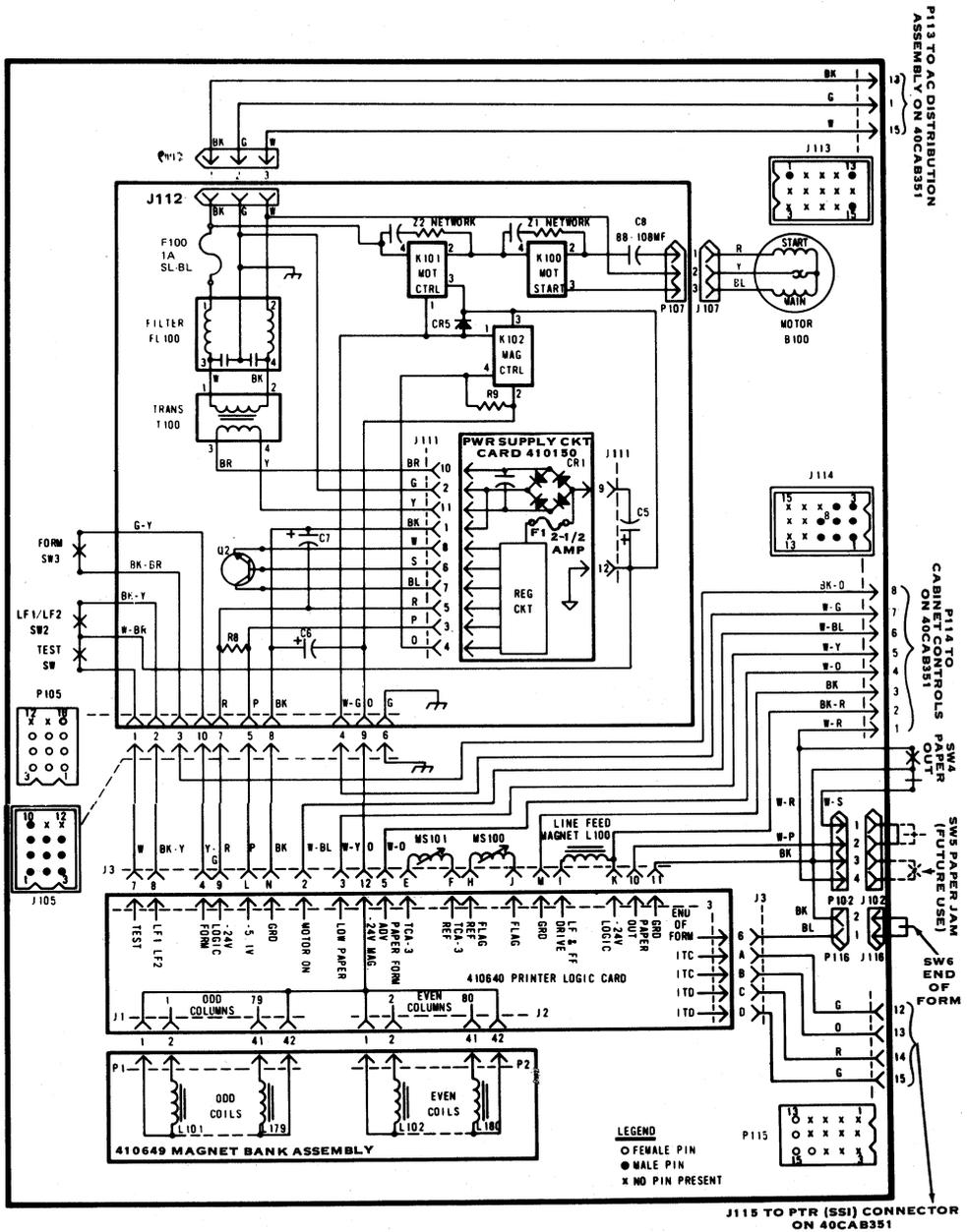


Fig. 9—40P151/ZZ 80-Column Tractor Feed Printer
 (Without 410082 Circuit Card)

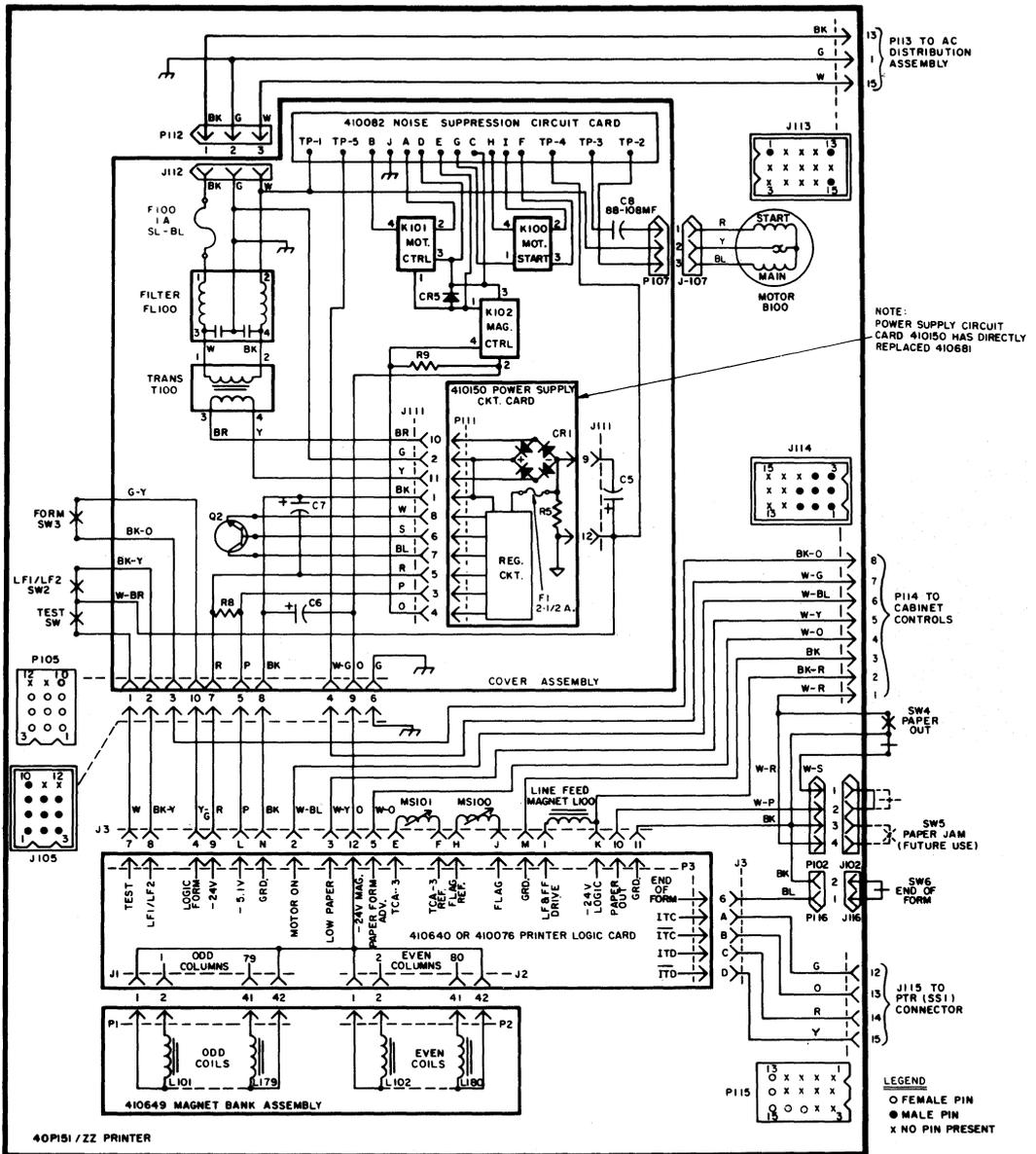


Fig. 10—40P151/ZZ 80-Column Tractor Feed Printer (With 410082 Circuit Card)

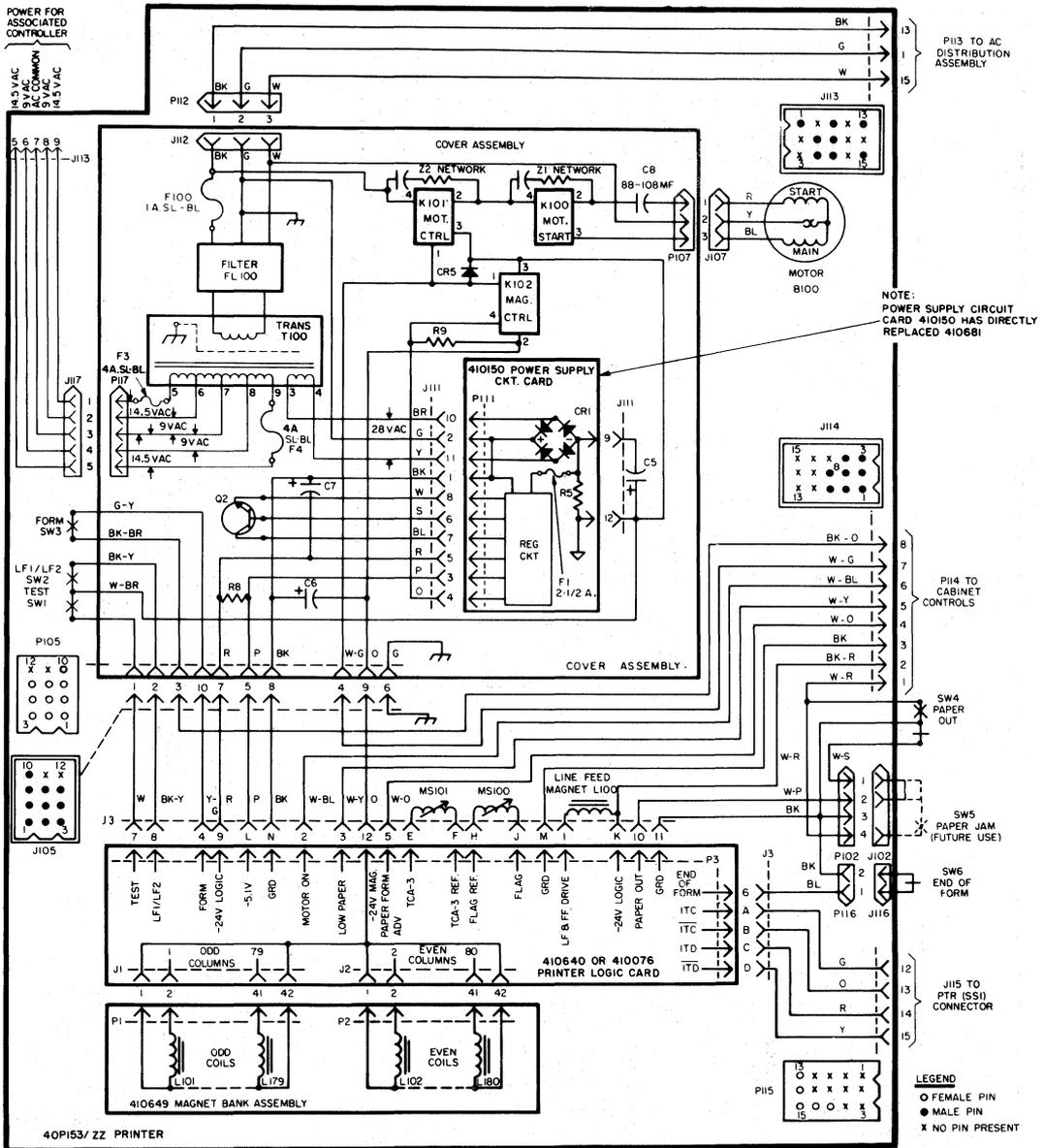


Fig. 11—40P153 Tractor Feed Printer
(Without Circuit Card 410082)

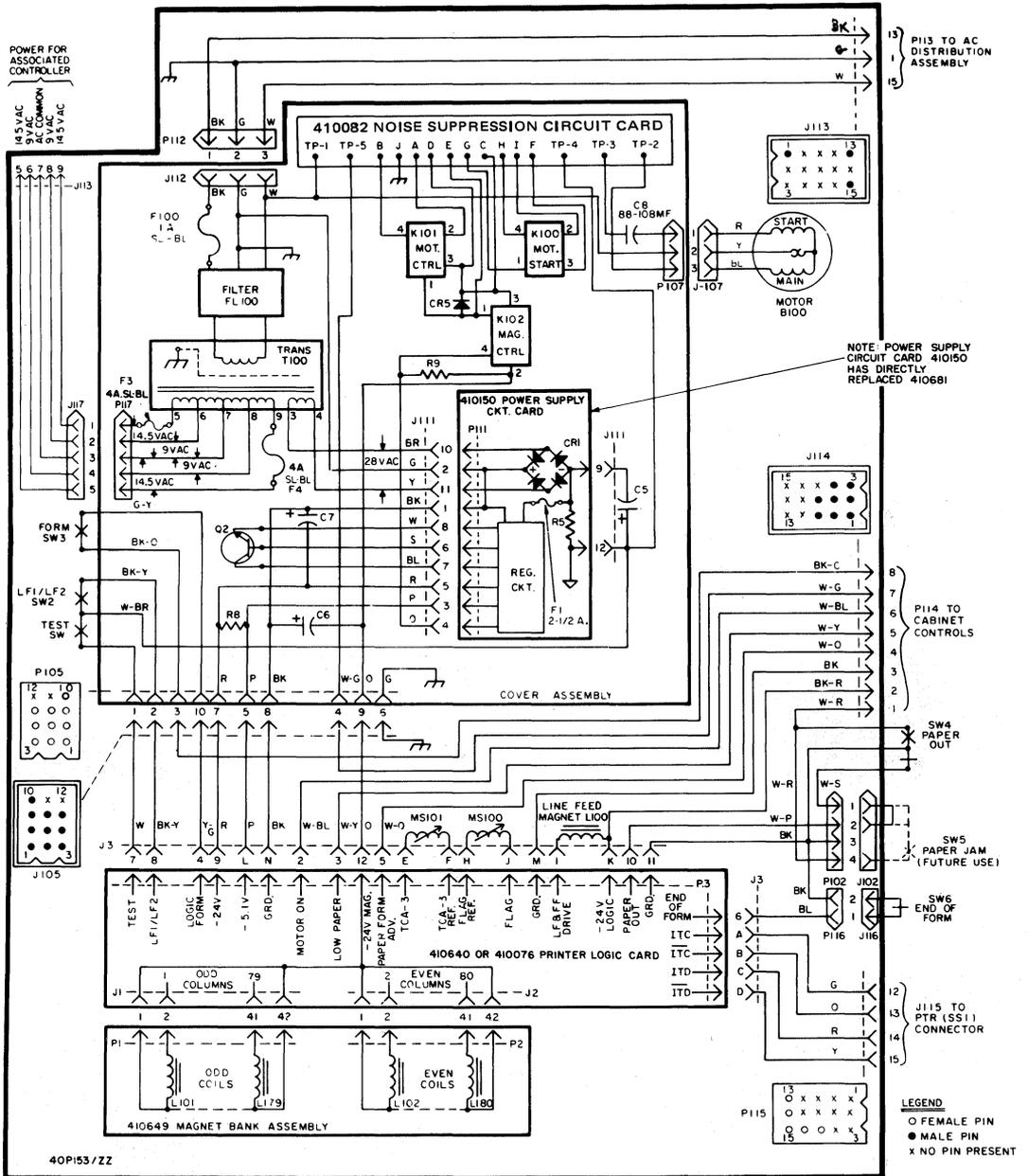


Fig. 12—40P153 Tractor Feed Printer
(With Circuit Card 410082)

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.

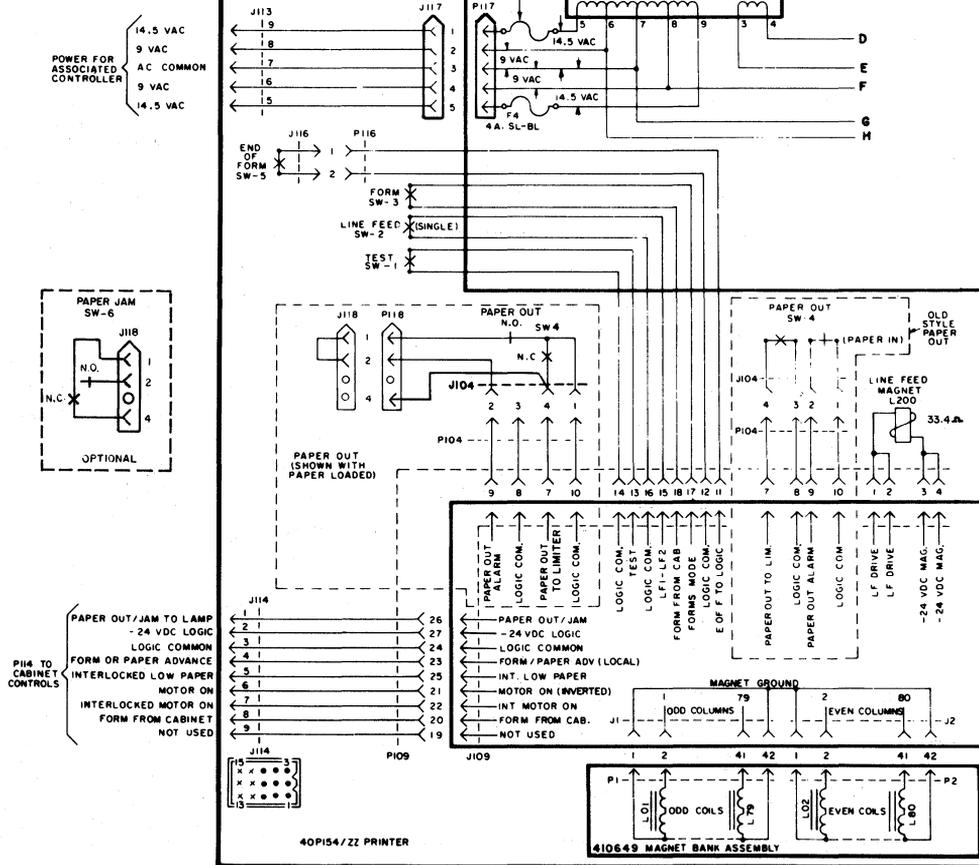


Fig. 13—40P154 Tractor Feed Printer

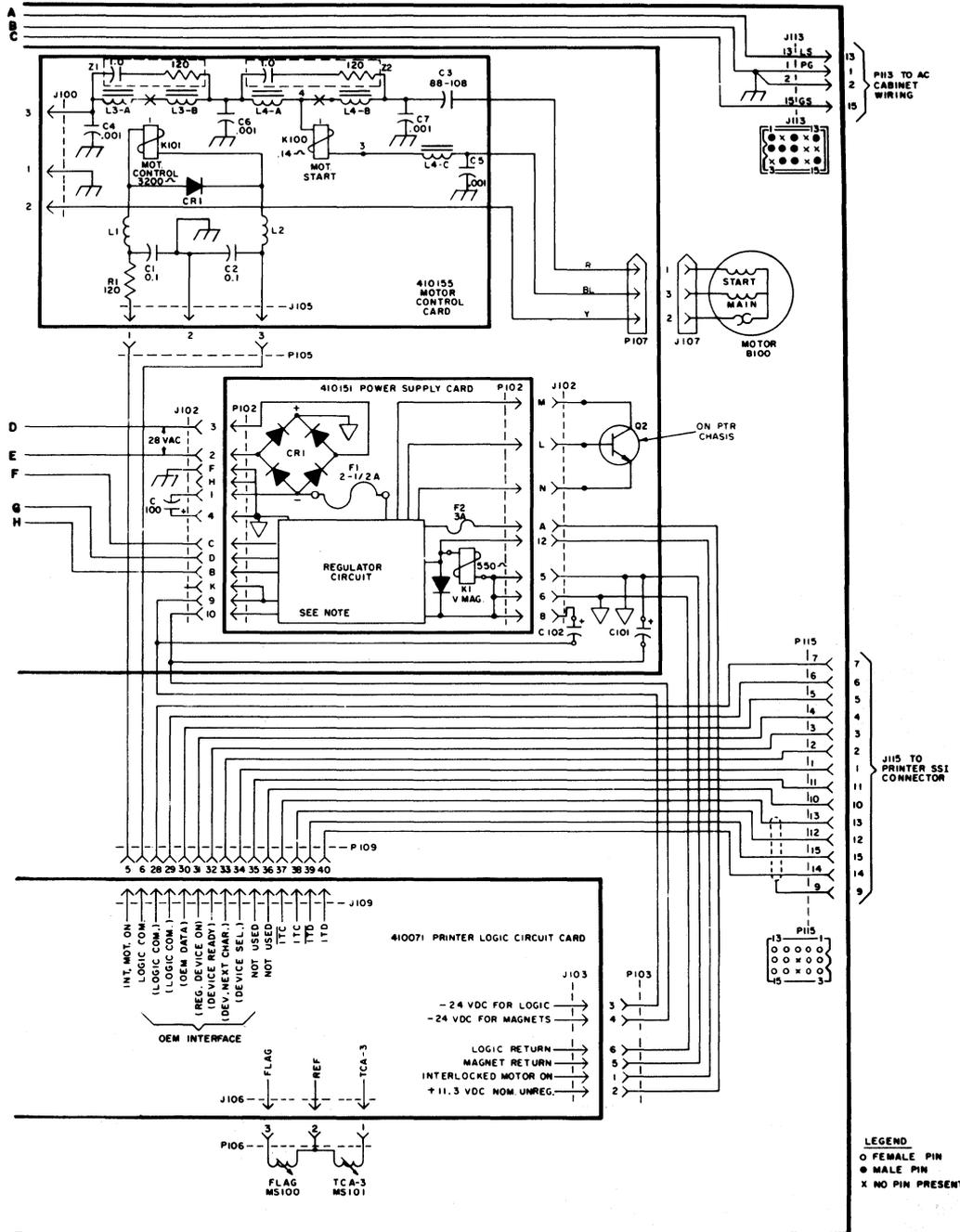


Fig. 13 (Cont)

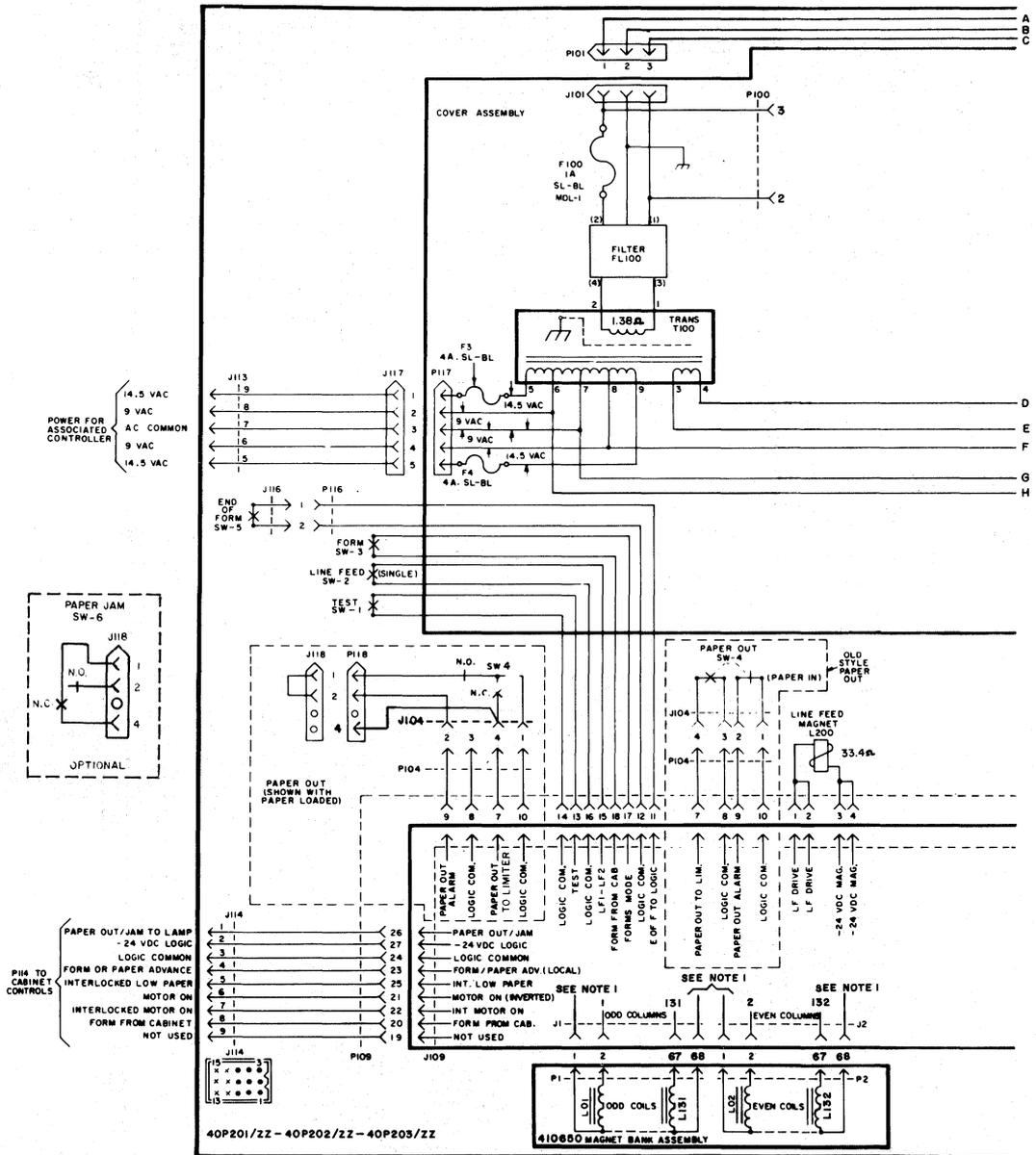


Fig. 14—40P201, 40P202 and 40P203 Tractor Feed Printers

Note 1: If the printer is equipped with a 410729 logic card, pins 1 and 68 of the 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.

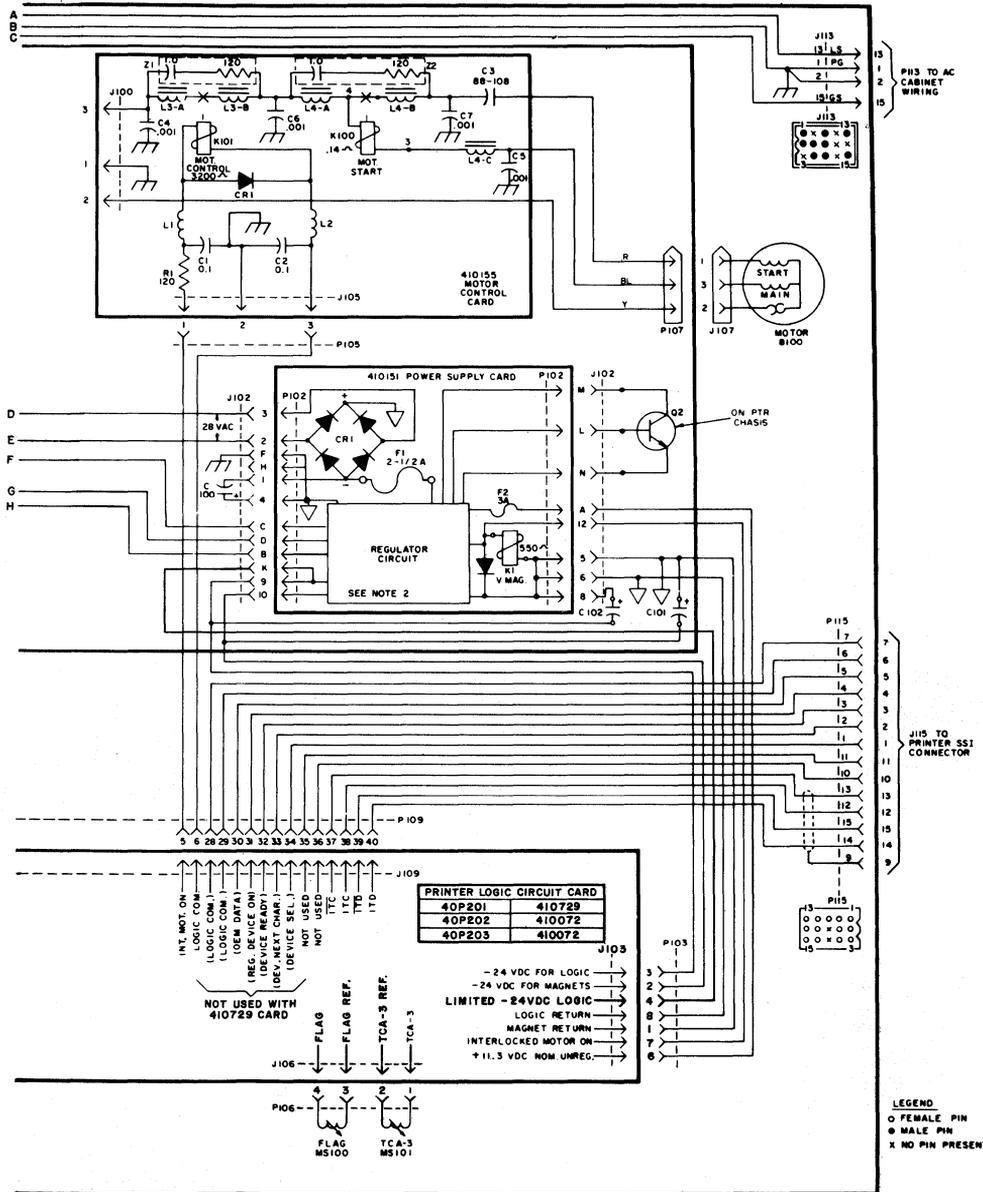


Fig. 14 (Cont)

Note 2: 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.

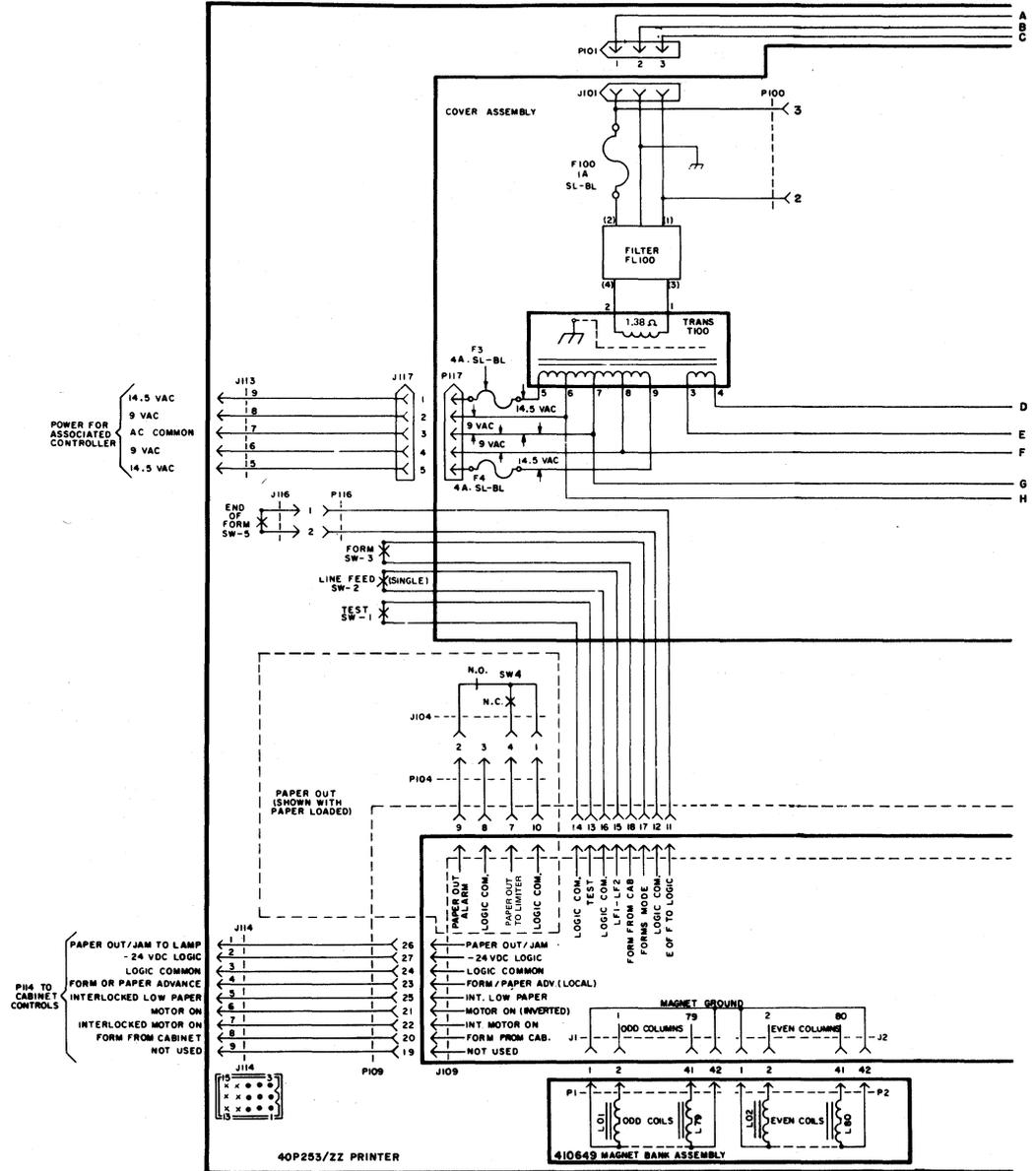


Fig. 15—40P253 Forms Access Tractor Feed Printer

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.

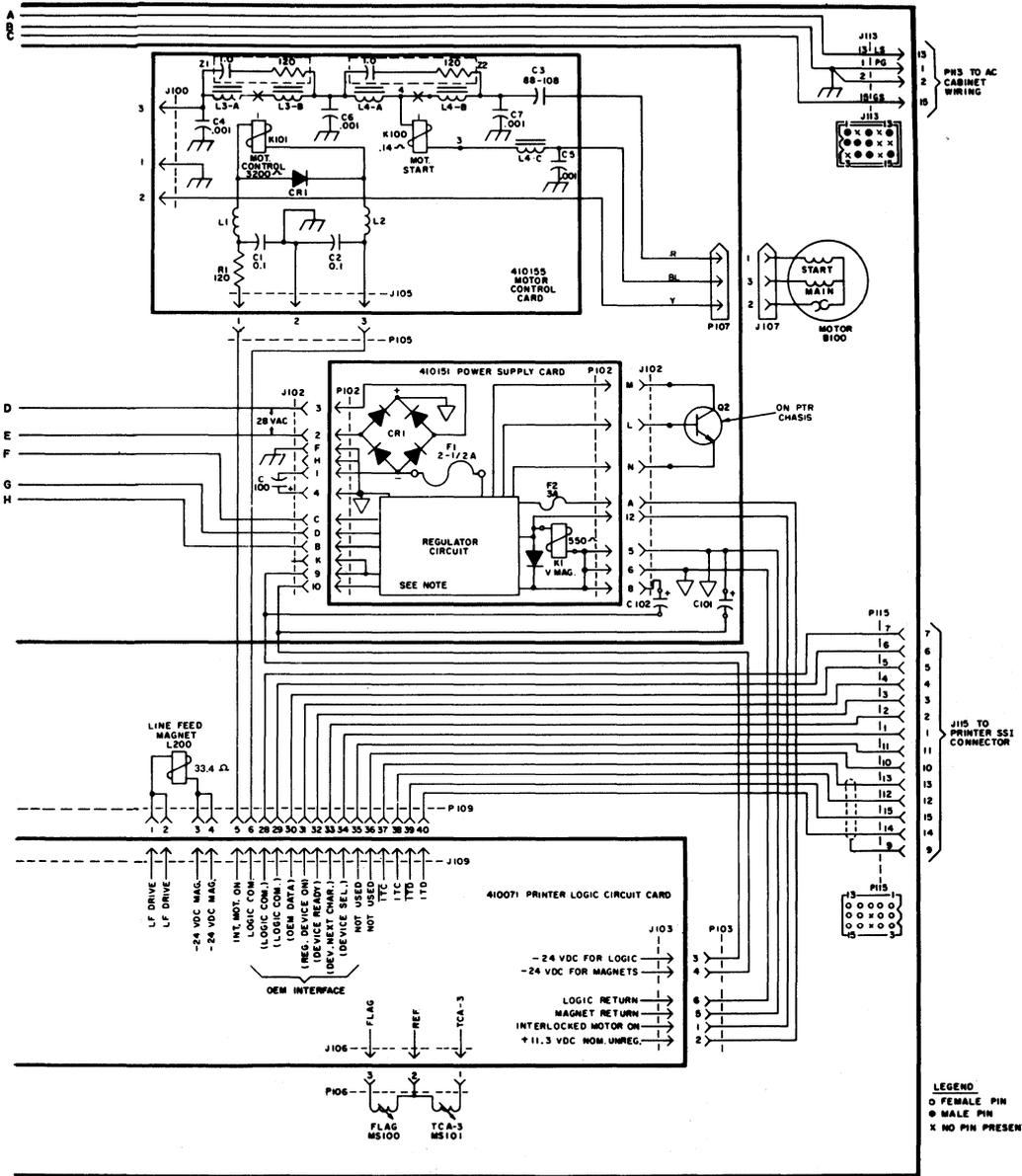


Fig. 15 (Cont)

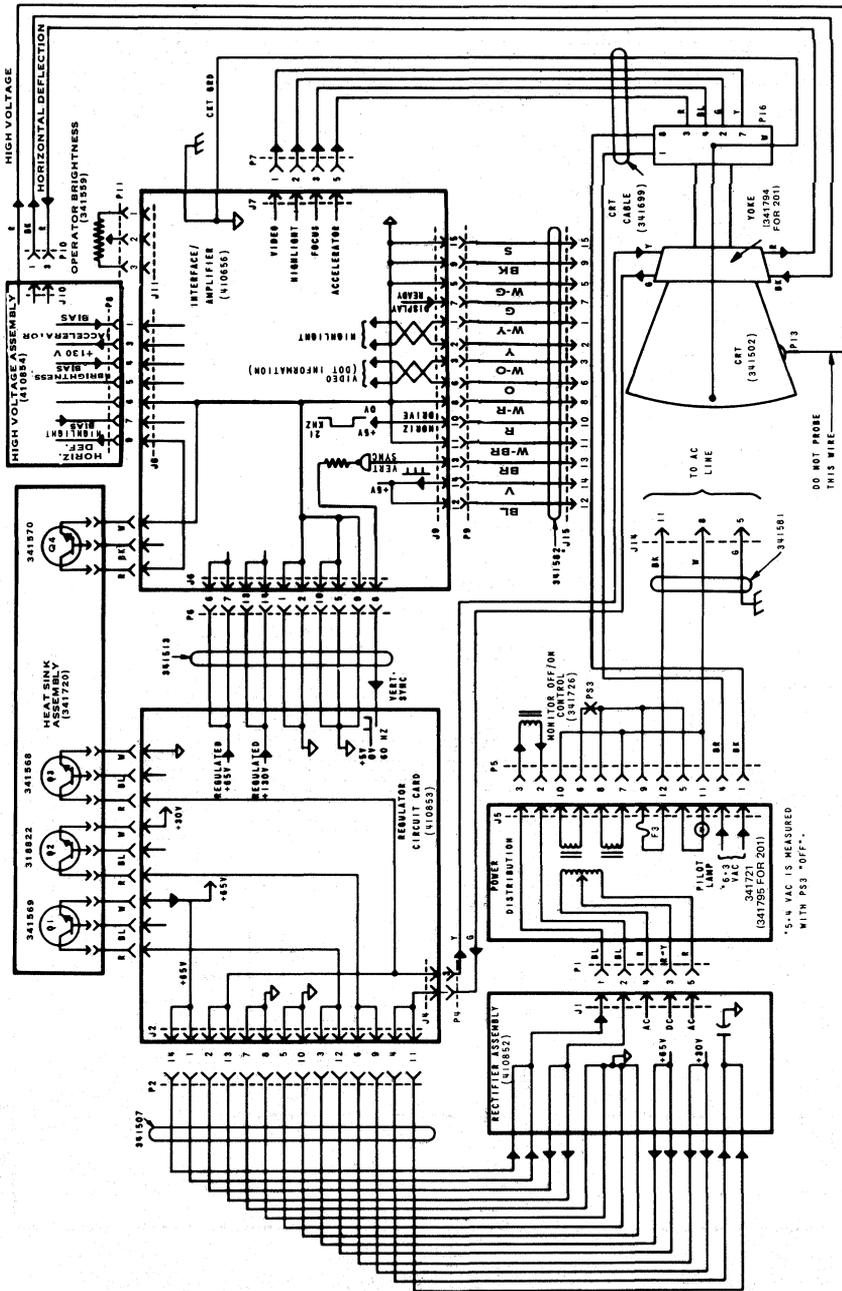


Fig. 16—40MN101 and 40MN201 Display Monitors

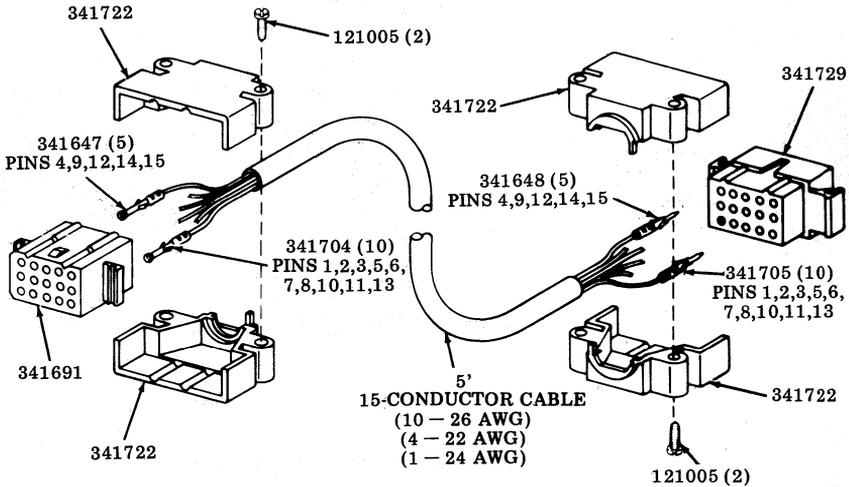
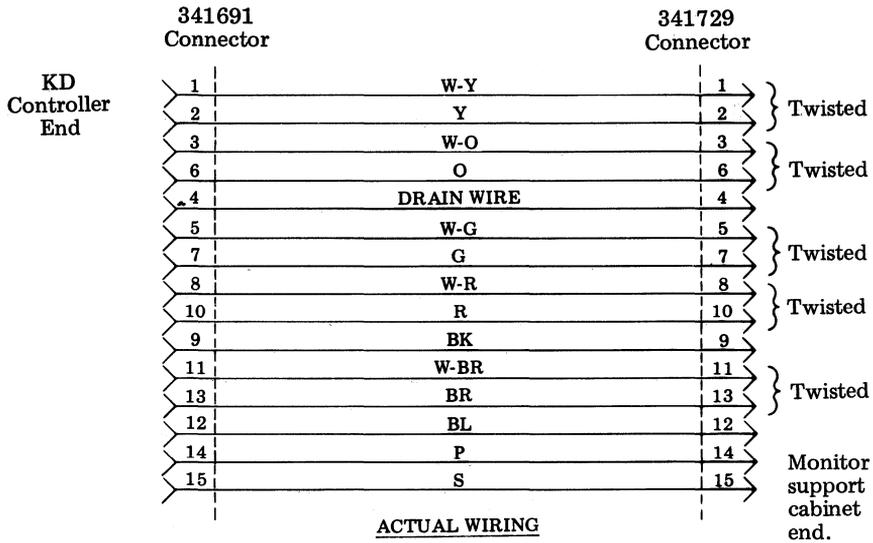


Fig. 17—341893 Monitor Extension Cable Assembly

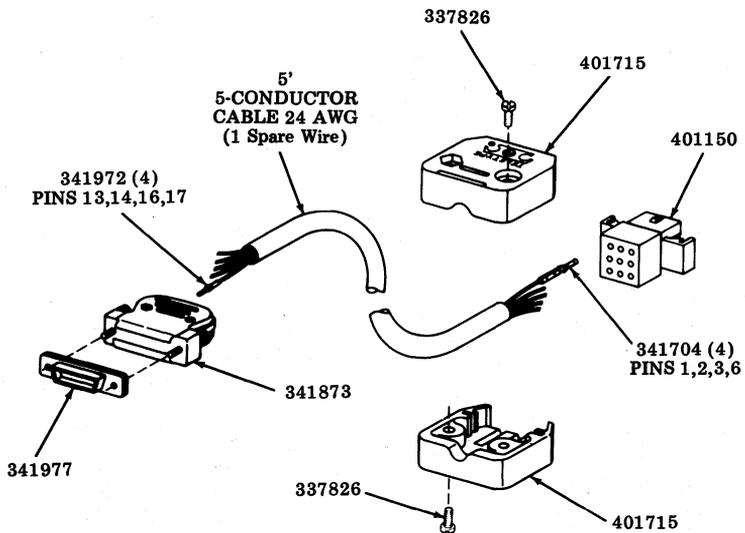
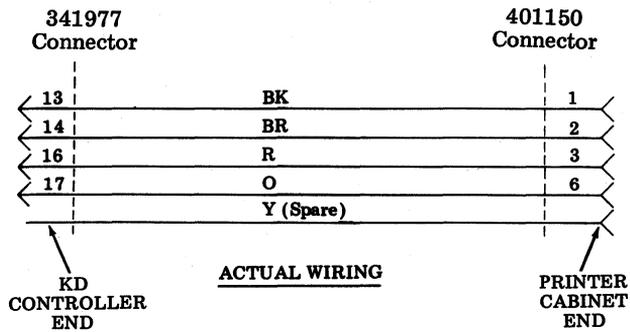


Fig. 18—341895 Printer Extension Cable Assembly (SSI)

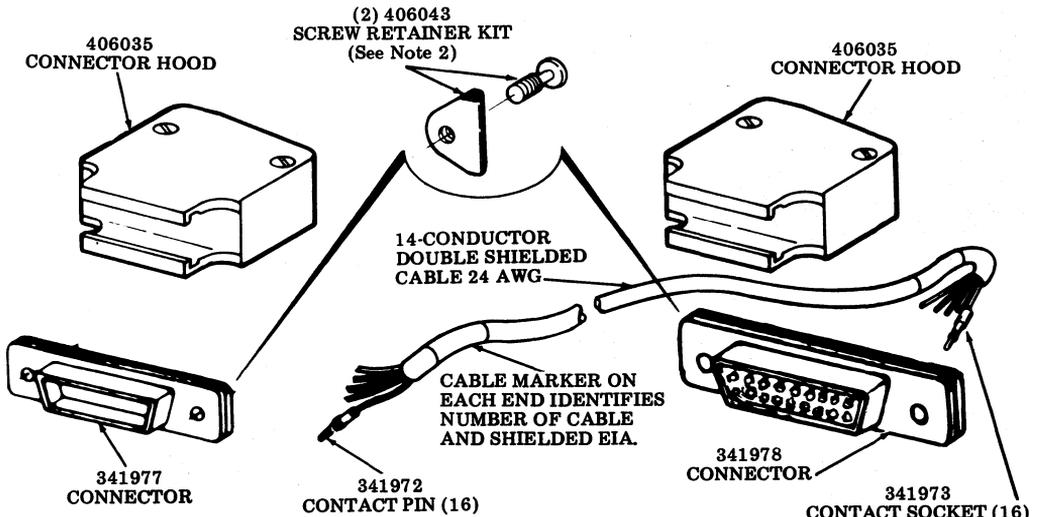
341977 Connector		341978 Connector
1	OUTER DRAIN	1
2	BR	2
3	R	3
4	O	4
5	Y	5
6	G	6
7	INNER DRAIN	7
8	P	8
11	S	11
12	W	12
15	W-BK	15
17	W-BR	17
20	W-R	20
22	W-O	22
23	W-Y	23
25	BL	25

Mates
to
KD

Data Set End
(See Note 1)

Note 1: ROP end in
KD-ROP applications.

ACTUAL WIRING

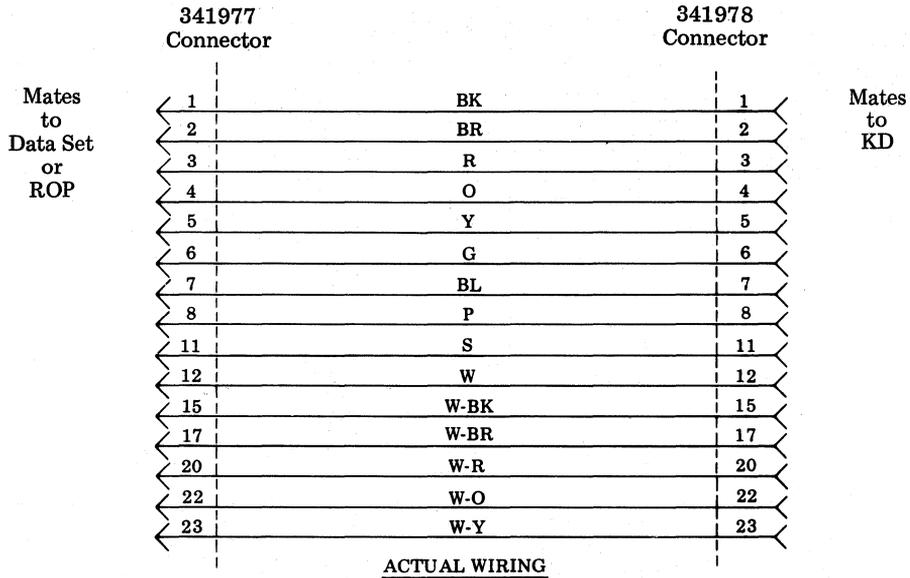


CABLE	LENGTH
408065	7 FT
408066	12 FT
408067	25 FT
408068	50 FT
430569	3 FT

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. 19—430569, 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.

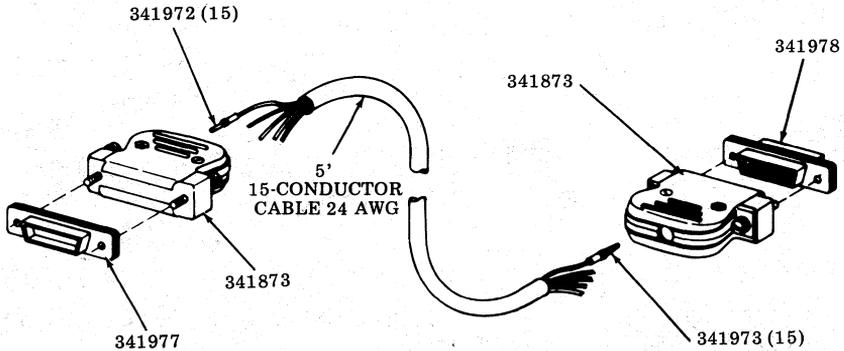


Fig. 20—341896 Data Set Cable Assembly

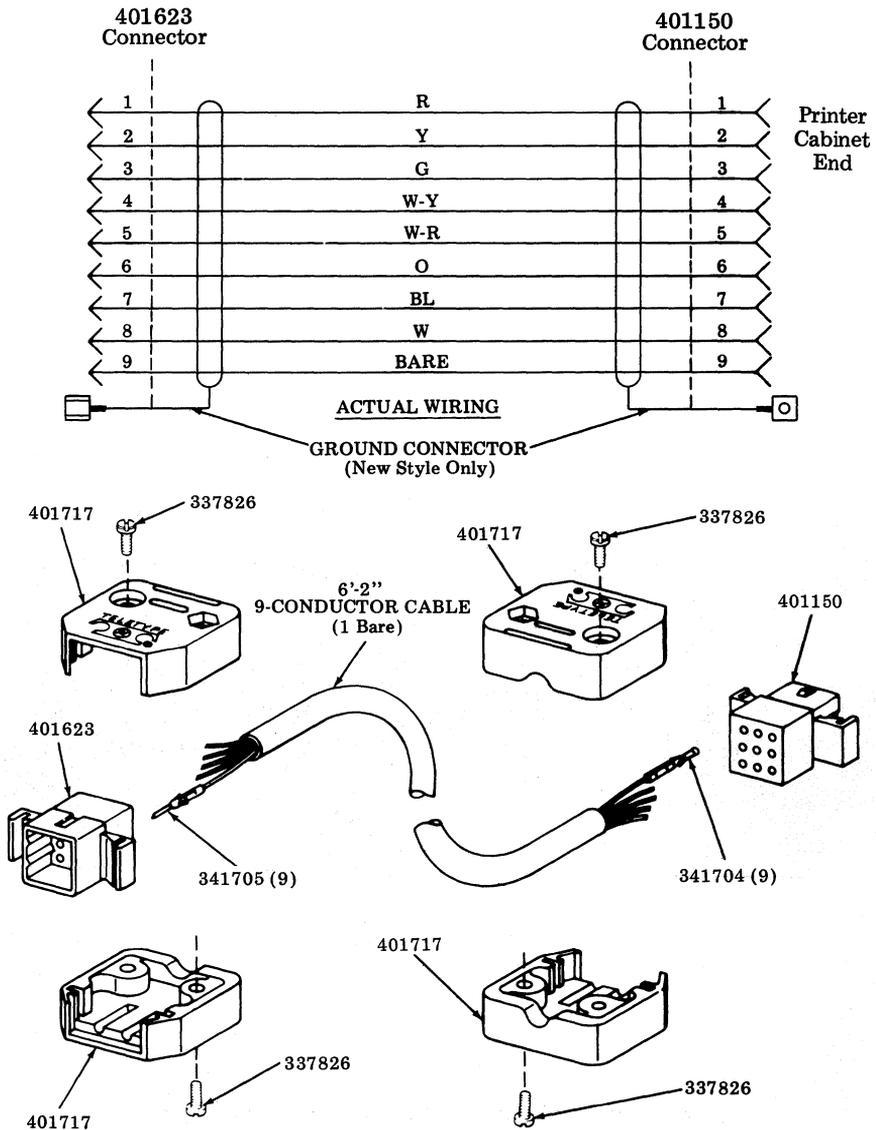


Fig. 21—401641 Opcon Extension Cable Assembly

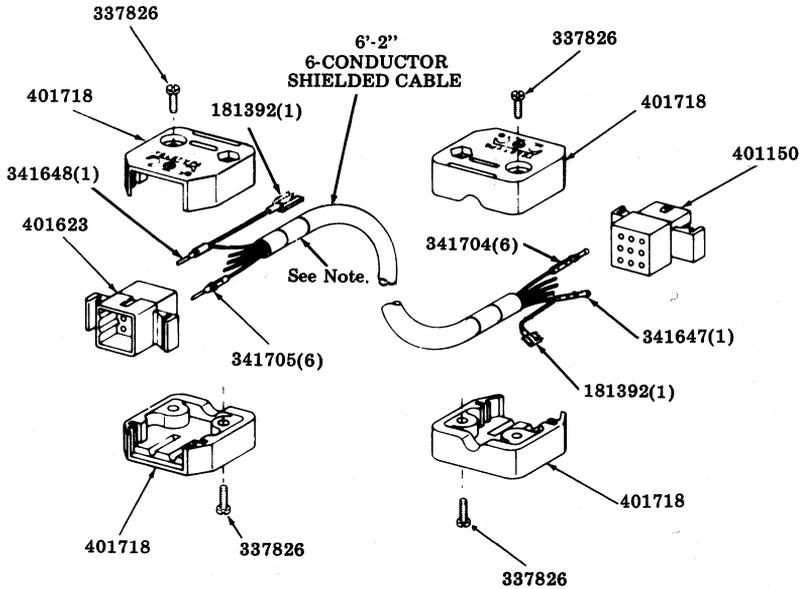
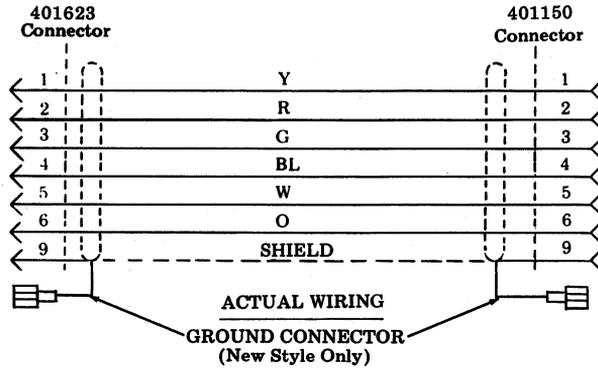
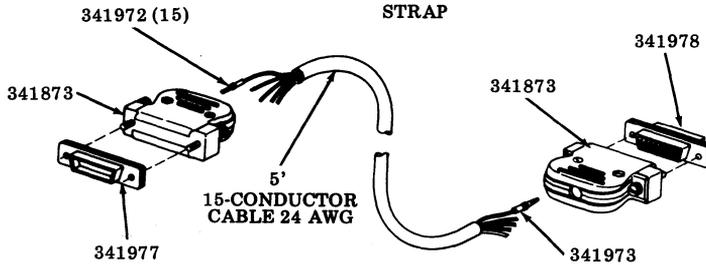
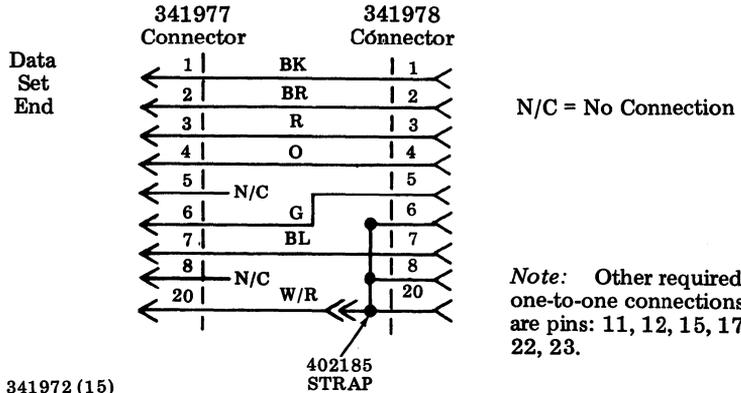


Fig. 22—401640 Printer Extension Cable Assembly (EIA)

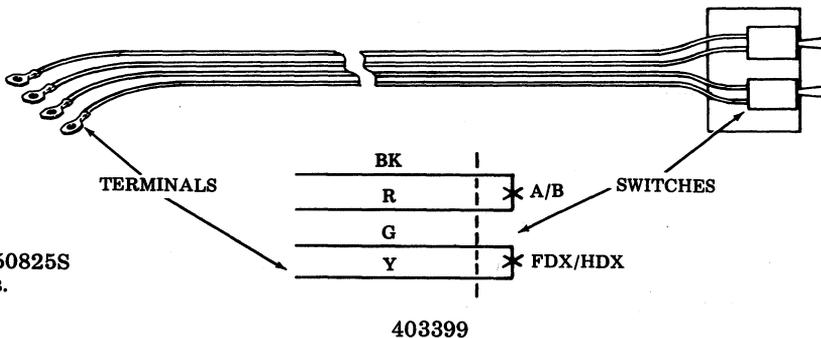
Note: Cable marker at each end identifies part number of cable.

Refer to 50822S for details.



402178
(Use with 113A Data Set requires 402178.)

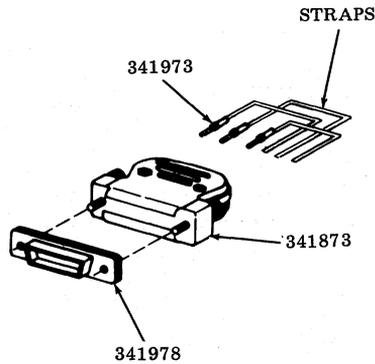
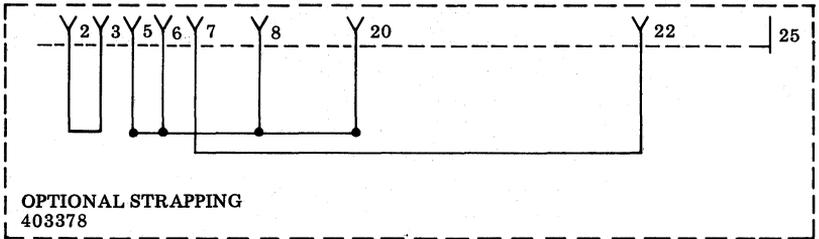
Refer to 50825S for details.



The switches mount to pedestal door, see Section 582-200-202. Terminals mount to 410680.

Fig. 23—Modification Kits

Note: Refer to Section 582-200-102 for a list of other modification kits. The related 50000 specifications include wiring information.



403378 (For Use With
Current Loop Applications)
Place in data set connector on rear of KD cabinet.

Fig. 23 (Cont)

Note: This connector is required when using the 402180 20/60 mA Current Loop Modification Kit per Specification 50835S if not using a data set.