

INTEGRATED SYNCHRONOUS "DATASPEED*" 40 RECEIVE-ONLY PRINTER STATION
DISASSEMBLY/REASSEMBLY AND PARTS

CONTENTS	PAGE	CONTENTS	PAGE
1. GENERAL	1	D. Cabinet	9
2. DISASSEMBLY/REASSEMBLY....	2	E. Cables	9
OPERATOR CONSOLE (Opcon) ...	2	1. GENERAL	
PRINTER	3	1.01 This section provides instructions for dis-	
CONTROLLER.....	4	assembly and reassembly of Integrated	
CABINET	6	Synchronous DATASPEED 40 Receive-Only	
3. PARTS	8	Printer (ROP) Stations. A list of field-replaceable	
GENERAL	8	parts for the controller and its cables, indexed	
INDEX OF REPLACEMENT		to the instructions for their access, is included.	
PARTS	8	1.02 Whenever this section is reissued, the	
A. Opcon	8	reason for reissue will be listed in this	
B. Printer.....	8	paragraph.	
C. Controller	8	<i>Note:</i> When ordering replaceable components,	
		unless otherwise specified, prefix each part num-	
		ber with the letters "TP" (ie, TP410055).	

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SECTION 582-202-700

2. DISASSEMBLY/REASSEMBLY

OPERATOR CONSOLE (Opcon)

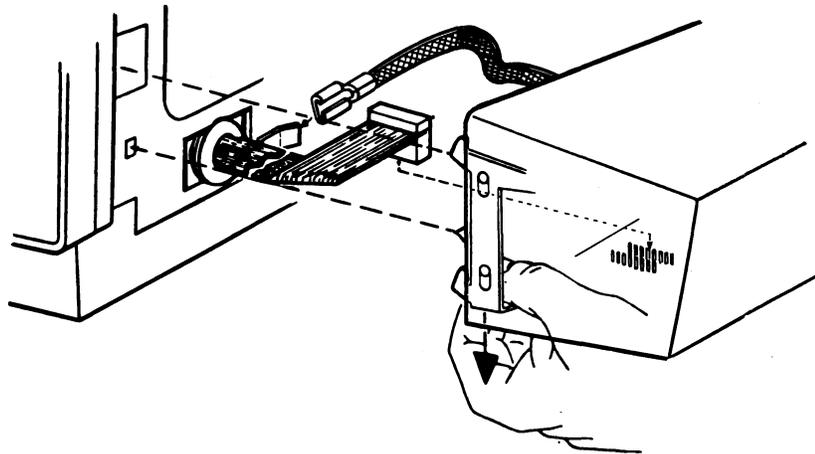
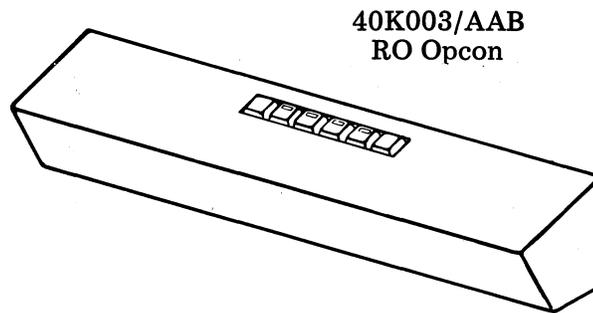
2.01 Precautions should be taken to assure that the opcon is disassembled and reassembled under clean conditions. No oil, grease, or other liquids should be present on loose parts, subassemblies, keyswitches, or the complete opcon.

2.02 Reference in the procedures to left or right and up or down and top or bottom, etc, refer to the opcon in its normal operating position.

2.03 When removing a subassembly or part from the opcon, do not force or pry parts to provide the necessary clearance for removal. No forcing is required to accomplish a removal procedure. Follow the removal procedure and note how each part is removed and the sequence of its removal so that proper reassembly can be accomplished.

2.04 To remove opcon from cabinet:

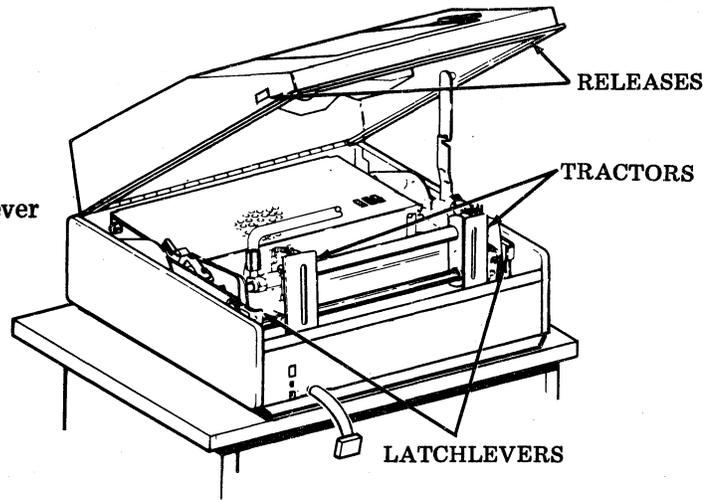
- ① Place thumb on left inward tab of opcon and press downward to unlatched position.
- ② Hold opcon firmly with left hand, and with right hand place thumb on right inward tab and press downward to unlatched position.
- ③ Pull opcon forward.
- ④ Slide opcon ground strap terminal off of cabinet terminal tab.
- ⑤ Remove connector of 406192 cable from opcon circuit card.



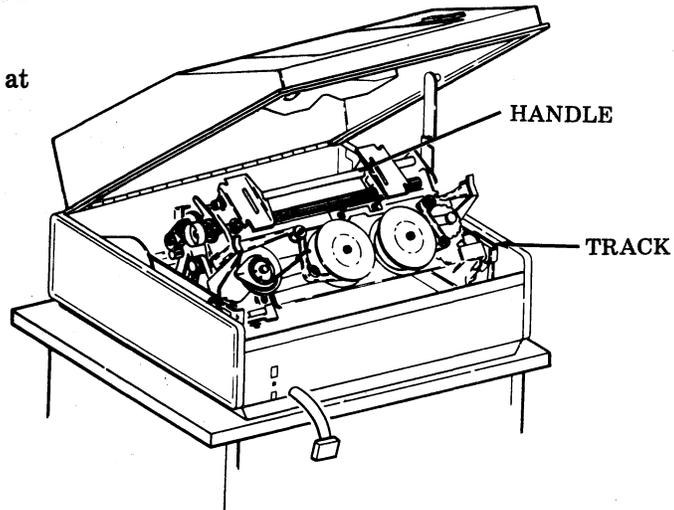
PRINTER

2.05 To remove printer from cabinet:

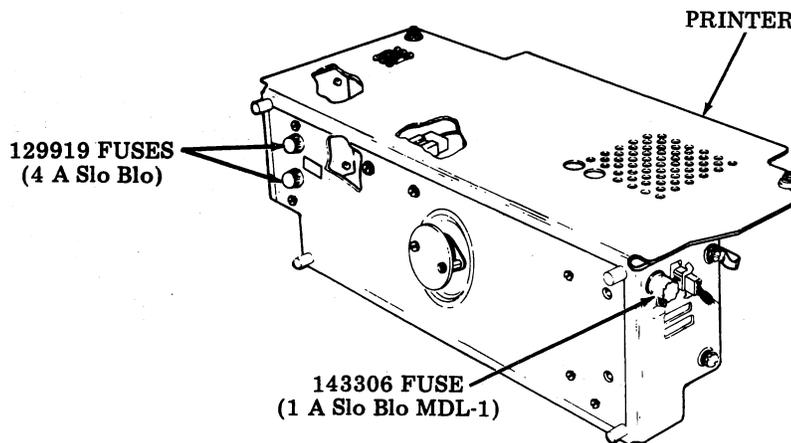
- ① Open cover by depressing cover release on both sides of cover and lift.
- ② Remove paper by releasing paper release lever and opening tractors.
- ③ Release printer to tilt position by pressing left and right latchlevers to paper.



- ④ Insert screwdriver in right mounting track and pry up detent.
- ⑤ Pull printer forward by grasping handle at top, and slide off mounting tracks.



2.06 Location of Fuses:



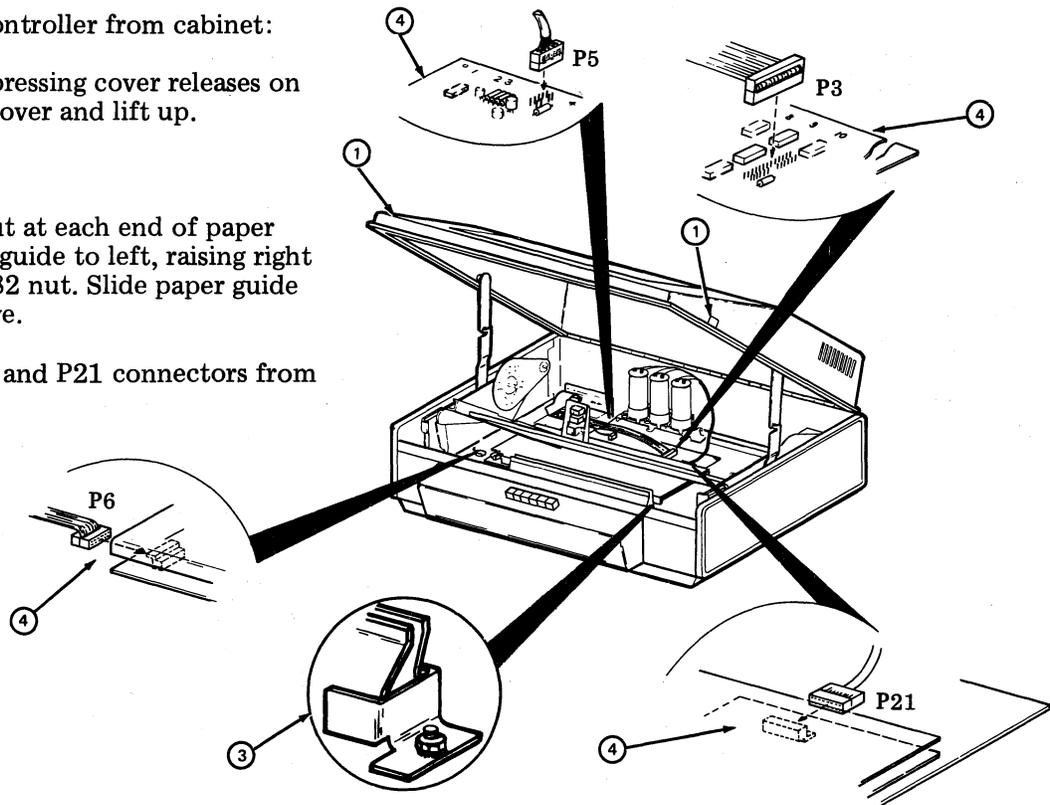
CONTROLLER

Caution: BEFORE handling the 40C303AC/003 controller, observe and follow the static discharge grounding precautions detailed in Section 582-202-200.

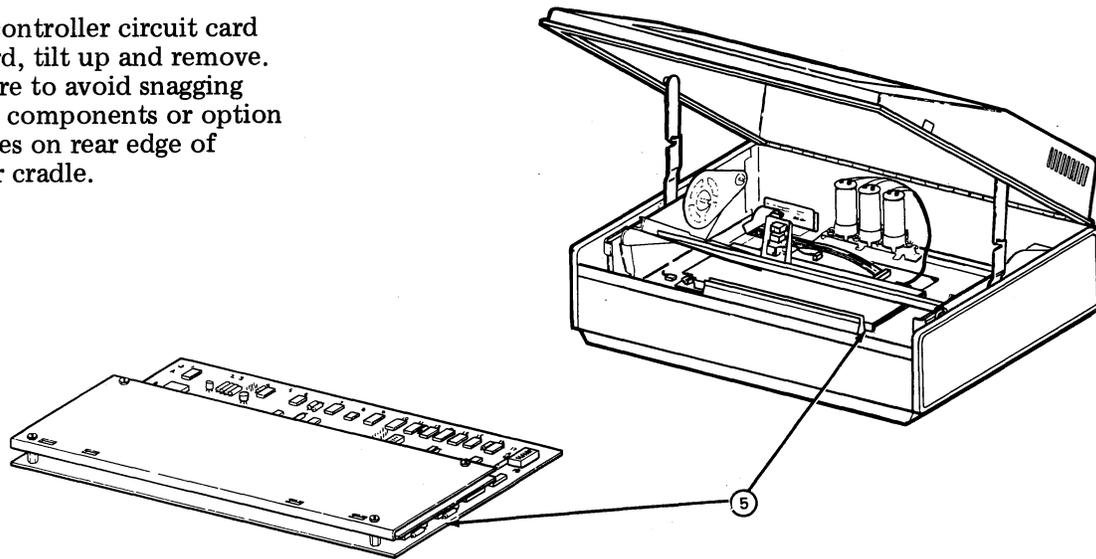
2.07 Precautions should be taken to assure that the controller is disassembled and reassembled under clean conditions. No oil, grease, or other liquids should be present on loose parts, circuit cards, or cable connectors.

2.08 To remove controller from cabinet:

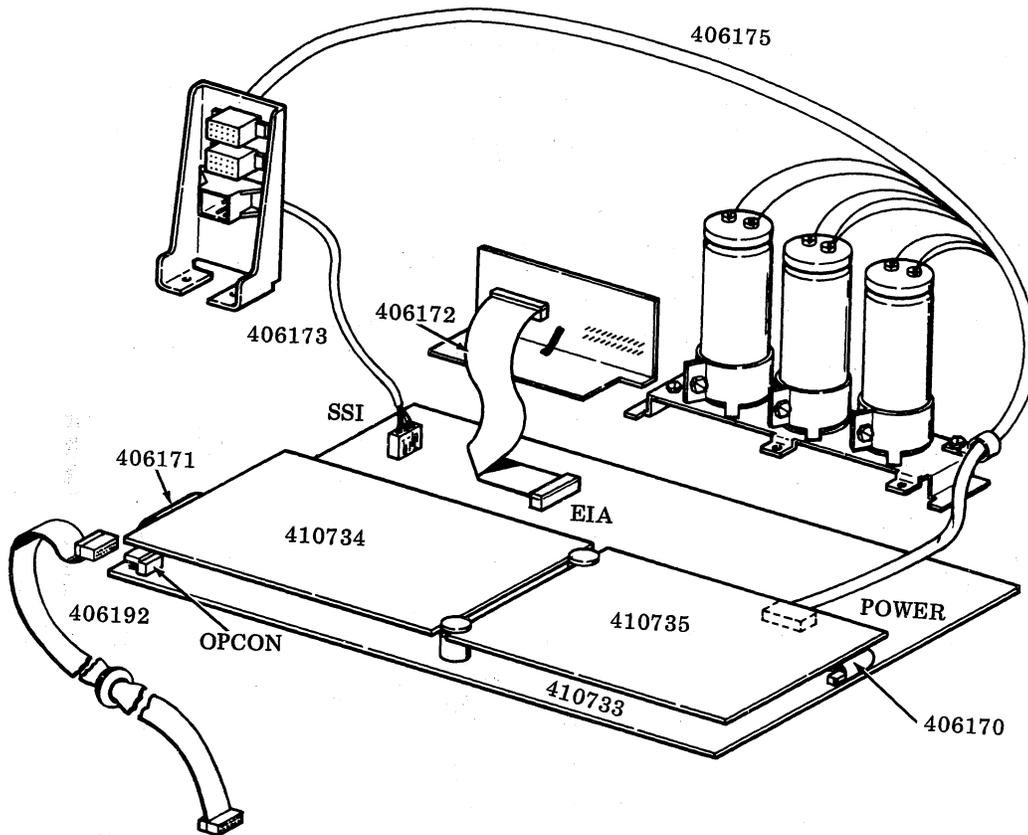
- ① Open cover by depressing cover releases on both sides of the cover and lift up.
- ② Remove printer.
- ③ Loosen 401582 nut at each end of paper guide. Slide paper guide to left, raising right end to clear 401582 nut. Slide paper guide to right and remove.
- ④ Unplug P3, P5, P6 and P21 connectors from the controller.



- ⑤ Slide controller circuit card forward, tilt up and remove. Use care to avoid snagging circuit components or option switches on rear edge of printer cradle.



2.09 Controller Cabling and Connections:

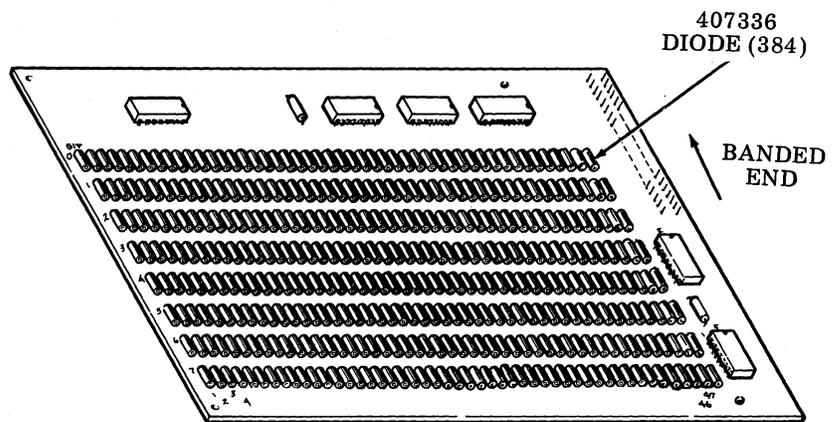


2.10 To remove 407336 diode from card:

- Remove controller.
- Remove controller cover.
- Remove 410734 diode matrix card and invert.

① For option purposes, diode should be cut at each end with 408071 cutting pliers and removed completely.

② To install a new diode, unsolder the cut ends of the previous diode and remove. Insert new 407336 diode with banded end facing circuit packs as shown above, bend leads, clip off excess, and resolder.



410734 Diode Matrix Card (Inverted)

Caution: Soldering iron not to exceed 60 watts.

SECTION 582-202-700

CABINET

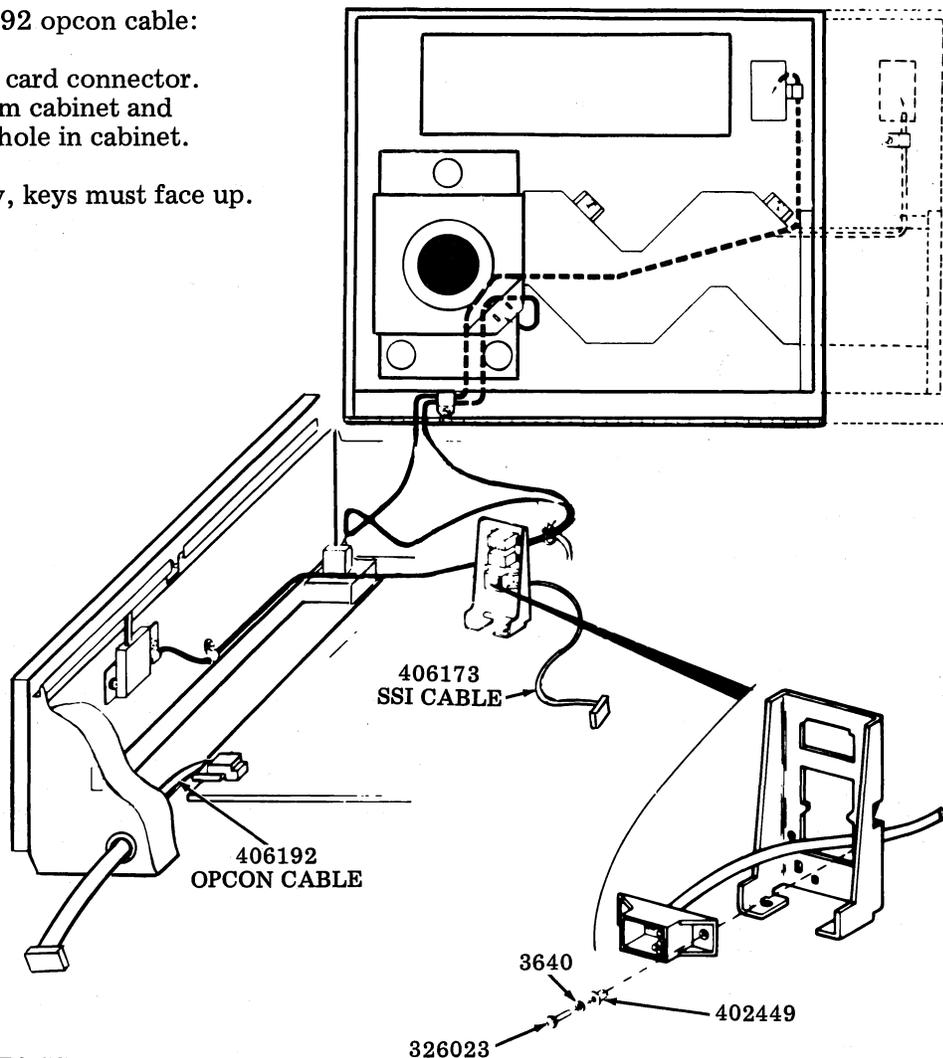
Note: The DATASPEED 40 integrated synchronous cabinets are coded as follows:

40 CABINET CODE	MOD KIT	DESCRIPTION	TYPE
40CAB351/ZZ	406190	RO Printer W/ Provision for Opcon	80-Column Tractor Feed (EIA)
40CAB353/ZZ	406190	RO Printer W/ Provision for Opcon	132-Column Tractor Feed (EIA)

2.11 To remove 406192 opcon cable:

- ① Unplug one end from card connector.
- ② Remove grommet from cabinet and thread cable through hole in cabinet.

Note: In reassembly, keys must face up.

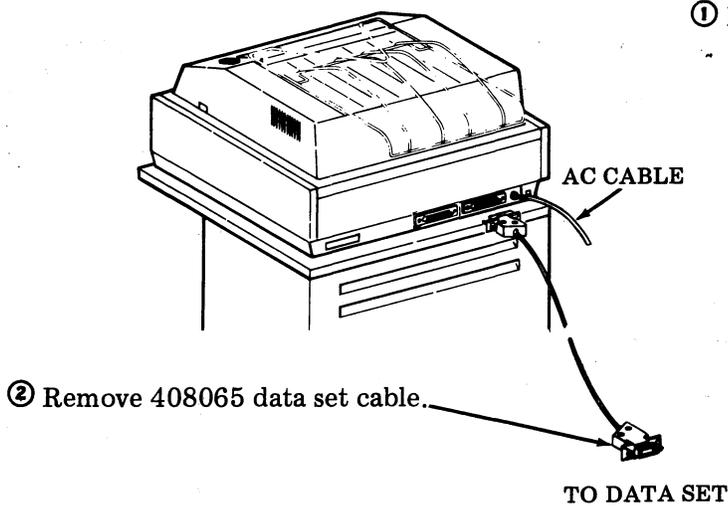


2.12 To remove 406173 SSI cable:

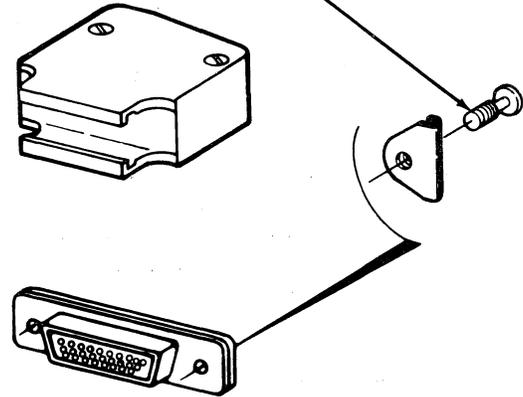
- ① Unplug one end from card connector.
- ② Remove two 326023 screws, 3640 lockwashers and 402449 bushings.

2.13 To remove 408065 data set cables:

Note: Data set cables may also be 408066, 408067 or 408068.



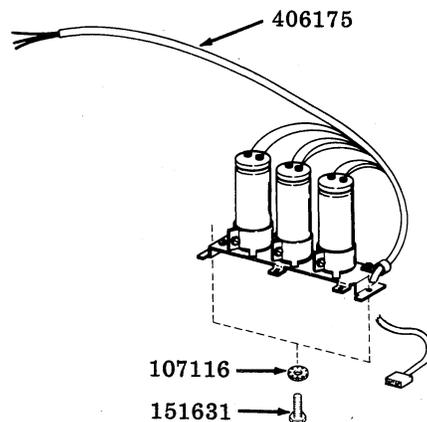
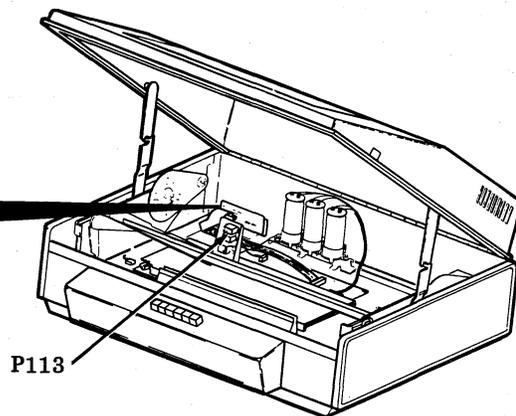
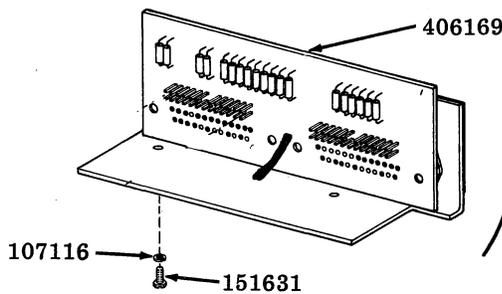
① Loosen two screws on data set cable connector.



2.14 To remove 406169 EIA signal input assembly:

• Disconnect 408065 data set cable.

- ① Disconnect 406172 EIA cable from the circuit card assembly.
- ② Remove two 151631 screws and 107116 lockwashers from bottom of cabinet.
- ③ Remove 406169 assembly.



2.15 To remove 406189 Capacitor Bracket Assembly:

- ① Disconnect 406175 power cable assembly from the 410735 circuit card.
- ② Disconnect 406175 power cable assembly from P113 (ac power connector).
- ③ Remove two 151631 screws and 107116 lockwashers from bottom of cabinet.
- ④ Remove 406189 assembly.

SECTION 582-202-700

3. PARTS

GENERAL

3.01 All field-replaceable components of the controller and its cables are listed in the following index, showing the page number of this

section on which their access is provided. An illustration of each component will be found on the indicated page.

3.02 Orders for components should prefix each part number with the letters "TP" (ie, TP406170)..

INDEX OF REPLACEMENT PARTS

A. Opcon

40K003/AAB OPCON		
PART NO.	DESCRIPTION	PAGE NO.
40K003/AAB	Opcon	2

B. Printer

40P154/ZZ 80-COLUMN TRACTOR FEED PRINTER		
PART NO.	DESCRIPTION	PAGE NO.
129919	Fuse, 4 A Slo Blo	3
143306	Fuse, 1 A Slo Blo MDL-1	3

40P202/ZZ 132-COLUMN TRACTOR FEED PRINTER		
PART NO.	DESCRIPTION	PAGE NO.
129919	Fuse, 4 A Slo Blo	3
143306	Fuse, 1 A Slo Blo MDL-1	3

C. Controller

40C303AC/003 CONTROLLER		
PART NO.	DESCRIPTION	PAGE NO.
410733	Circuit Card	5
410734	Circuit Card	5
410735	Circuit Card	5
407336	Diode	5
40C303AC/003	Controller	4,5

D. Cabinet

40CAB351/ZZ 80-COLUMN TRACTOR FEED CABINET		
PART NO.	DESCRIPTION	PAGE NO.
406190	Modification Kit	6
40CAB351/ZZ	Cabinet Less Modification Kit	6

40CAB353/ZZ 132-COLUMN TRACTOR FEED CABINET		
PART NO.	DESCRIPTION	PAGE NO.
406190	Modification Kit	6
40CAB353/ZZ	Cabinet Less Modification Kit	6

E. Cables

CABLES, ETC FOR INTEGRATED CONTROLLER		
PART NO.	DESCRIPTION	PAGE NO.
3640	Lockwasher	6
107116	Lockwasher	7
151631	Screw	7
326023	Screw	6
402449	Bushing	6
406169	EIA Signal Input Assembly	7
406170	Cable Assembly	5
406171	Cable Assembly	5
406172	Cable, EIA	5,7
406173	Cable, SSI	5,6
406175	Cable, Power	5,7
406189	Bracket Assembly, Capacitor	7
406192	Cable, Opcon	2,5,6
408065	Data Set Cable	7
408066	Data Set Cable	7
408067	Data Set Cable	7
408068	Data Set Cable	7
408071	Cutting Pliers	5