

“DATASPEED*” 40 CABINETS AND FACILITIES
DISASSEMBLY/REASSEMBLY, PARTS AND ADJUSTMENTS

CONTENTS	PAGE	CONTENTS	PAGE
1. GENERAL	1	Dome — noise reducing friction feed	122
2. UNIT IDENTIFICATION.....	2	Top cover vertical — forms access cabinet	123
3. CONVERSIONS	4	Top cover horizontal — forms access cabinet	124
4. DISASSEMBLY/REASSEMBLY....	6	Top cover left and right counter balance spring — forms access cabinet	125
FRICTION FEED PRINTER CABINETS.....	6	Left and right front access door position — forms access cabinet	125
LOGIC CABINETS.....	7	Left front access door magnet latching — forms access cabinet	126
TRACTOR FEED PRINTER CABINETS.....	9	Top cover latch and latch strike plate — forms access cabinet	127
FRICTION FEED PRINTER CABINETS — NOISE REDUCING	12	Top cover, left and right front door interlock switch — forms access cabinet	128
CABINET SUBASSEMBLIES (Table Top).....	14	Printer vertical positioning — forms access cabinet	129
CABINET (Pedestal Type)	16	Printer forward positioning — forms access cabinet	130
CABINET (Pedestal Type) SUBASSEMBLIES	19	7. NUMERICAL INDEX.....	131
FORM ACCESS PRINTER CABINET	21	1. GENERAL	
5. PARTS IDENTIFICATION.....	29	1.01 This section provides the disassembly/reassembly, parts and adjustments for DATASPEED 40 cabinets (hereafter referred to as 40 type) and facilities shown in PART 2. UNIT IDENTIFICATION.	
6. ADJUSTMENTS.....	115	1.02 This section is reissued to incorporate the latest engineering changes available at this time. Teletype Change Notice (TCN) information, where applicable, is also included. Because this is a general revision, marginal arrows have been omitted.	
AC distribution assembly	115		
Cradle torsion spring — friction feed	116		
Cradle torsion spring — tractor feed (80-column).....	118		
Cradle torsion spring — tractor feed (132-column).....	120		
Paper exit gap — noise reducing friction feed	121		

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SECTION 582-212-700

1.03 This section includes the procedures for removing and replacing the principle components of the 40-type cabinets and facilities. If further removal of parts is required, refer to the appropriate illustrated parts figure which shows detailed arrangements of parts.

1.04 References to left, right, front and rear, etc, refer to the cabinet or assembly as viewed in its normal operating position facing forward.

1.05 Refer to Maintenance Tools Section 570-005-800 for a complete listing of the various types of hand tools available for maintenance of Teletype Corporation equipment.

1.06 Some mechanical adjustment procedures in this section require removing an assembly, part or component with no further disassembly required. Read all adjustment notes thoroughly before performing the necessary procedure.

1.07 Unless specifically stated, make screws or nuts friction tight to make an adjustment. Tighten them securely once the adjustment has been made.

1.08 Clean the cabinet after servicing. When cleaning the cabinet use a mild detergent, rinse with damp cloth and buff dry.

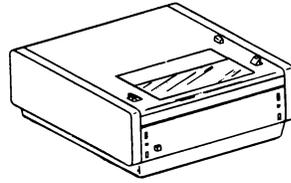
1.09 Scuffed or scratched painted surfaces may be touched up with air-dry brush lacquer 344963 (KB) black spattered texture brushing lacquer.

1.10 When ordering replaceable components, unless otherwise specified, prefix each part number with the letters "TP" (ie, TP344963).

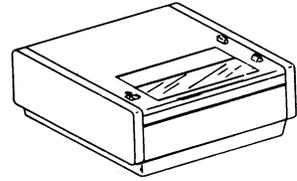
2. UNIT IDENTIFICATION

2.01 All the units covered in this section are listed and shown in 2.02 through 2.10.

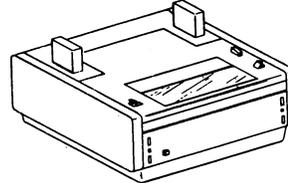
2.02 Friction Feed Printer Cabinets



40CAB201/ZZ PLUS
407043 MODIFICATION
KIT RO PRINTER (SSI†)

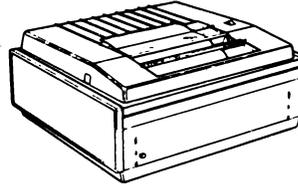


40CAB201/ZZ PLUS
407042 MODIFICATION
KIT PRINTER
ADJACENT (SSI†)

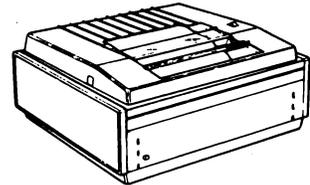


40CAB251/AA
PRINTER UNDER
MONITOR (SSI†)

(Noise Reduced)

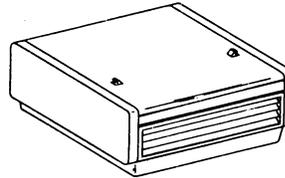


40CAB371/ZZ PLUS
407100 MODIFI-
CATION KIT
RO PRINTER (SSI†)

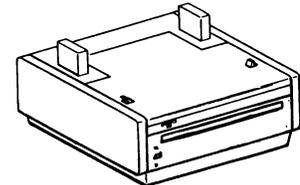


40CAB371/ZZ PLUS
407101 MODIFI-
CATION KIT WITH
PROVISION FOR
OPCON (EIA*)

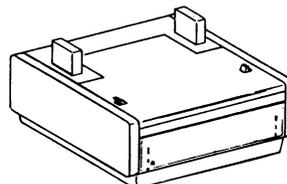
2.03 Logic Cabinets



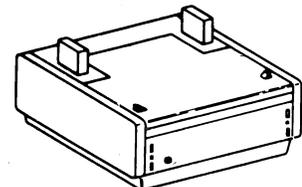
40CAB201/AB
LOGIC ADJACENT



40CAB251/ZZ PLUS
405563 MODIFI-
CATION KIT
LOGIC UNDER MONITOR



40CAB251/ZZ PLUS
405562 MODIFI-
CATION KIT
MONITOR AND
OPCON MOUNTING

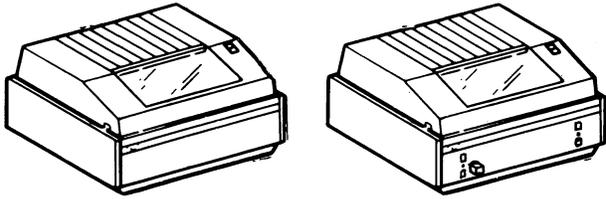


40CAB251/ZZ PLUS
406047 MODIFI-
CATION KIT LOGIC
UNDER MONITOR
(EIA*)

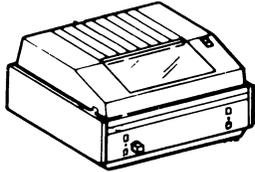
† Standard Serial Interface

* Electronic Industries Association

2.04 80-Column Tractor Feed Printer Cabinets

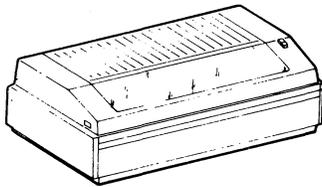


40CAB351/ZZ PLUS 407026 MODIFICATION KIT RO PRINTER (SSI†) (80-Column)
 40CAB351/ZZ PLUS 407025 MODIFICATION KIT PRINTER W/PROVISION FOR OPCON (SSI†) (80-Column)

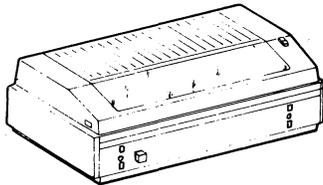


40CAB351/ZZ PLUS 407024 MODIFICATION KIT RO PRINTER W/PROVISION FOR OPCON (EIA‡) (80-Column)
 OR
 40CAB351/ZZ PLUS 406190 MODIFICATION KIT RO PRINTER W/PROVISION FOR OPCON (Dual EIA‡) (80-Column)

2.05 132-Column Tractor Feed Printer Cabinets



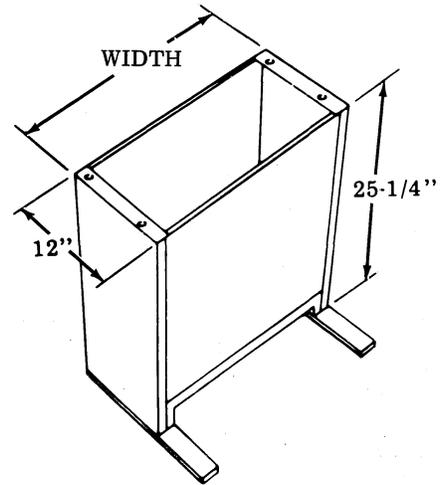
40CAB353/ZZ PLUS 405671 MODIFICATION KIT (SSI†) (132-Column)



40CAB353/ZZ PLUS 407024 MODIFICATION KIT RO PRINTER W/PROVISION FOR OPCON (EIA‡) (132-Column)
 OR
 40CAB353/ZZ PLUS 406190 MODIFICATION KIT RO PRINTER W/PROVISION FOR OPCON (Dual EIA‡) (132-Column)

† Standard Serial Interface
 ‡ Electronic Industries Association

2.06 Cabinets (Pedestal-Type)



PEDESTAL WITHOUT TABLE TOP		
CODE	TYPE	WIDTH
40CAB901/AF	RO Printer Terminal — Contains Logic Module	24"
40CAB901/AG	KDP Terminal — Contains Logic Module	24"
40CAB901/AH	KD Terminal — Empty	24"
40CAB901/AJ	AC Facilities and Cable Bracket	24"
40CAB902/AA	RO Tractor Terminal — Empty	20"
40CAB902/AB	RO Tractor Terminal — Contains Logic Module	20"
40CAB904/AA	Empty	27-1/2"

2.07 Table Tops for Pedestal-Type Cabinets

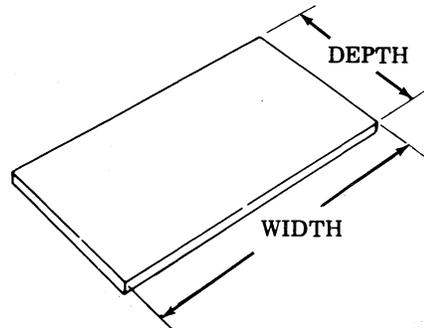


TABLE TOPS FOR PEDESTALS — FRICTION FEED		
PART NO.	WIDTH	DEPTH
401531	24"	17-3/8"
401532	29"	17-3/8"
401533	34"	17-3/8"
①411035	29"	17-3/8"

① Used only on 40CAB904.

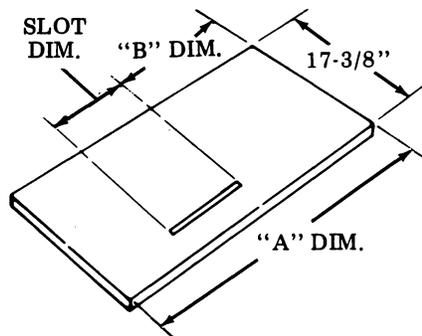
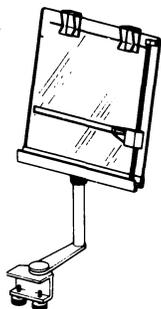
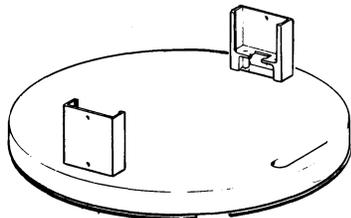


TABLE TOPS FOR PEDESTALS – TRACTOR FEED			
PART NO.	“A” DIM.	“B” DIM.	SLOT DIM.
401911①	20”	4-1/2”	11”
401912	31-1/2”	16”	11”
401913	27-1/4”	5”	17”
401914	24-1/2”	7”	11”
401915	39”	17”	17”

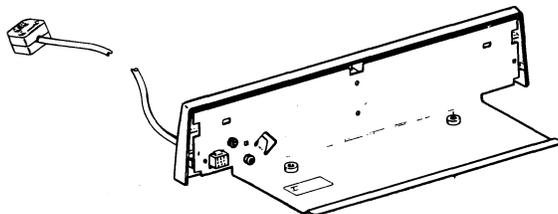
2.08 401200 Copyholder



2.09 40BSE101 Monitor Base

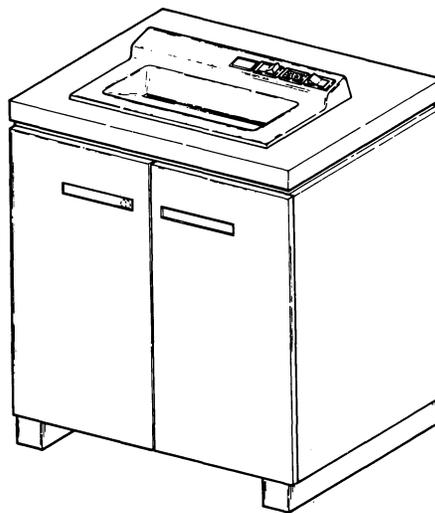


2.10 40BSE201 Opcon Base (KD) and 40BSE202 Wide Opcon Base



①Used only on 40CAB902.

2.11 Forms Access Printer Cabinet



40CAB302/ZZ Plus 406372 Modification Kit – EIA Interface With Provision for Mounting Integrated Controller and Opcon 40CAB302/ZZ Plus 406370 Modification Kit – SSI Interface to Cabinet

3. CONVERSIONS

3.01 Conversions for 40-type cabinets (table top) can be performed by utilizing the coding plan.

3.02 The code plan is based upon using a common cabinet core, along with modification kit to make up a specific cabinet, (ie, the 40CAB201/ZZ cabinet core + 407042 = 40CAB201/AA adjacent printer cabinet).

3.03 The table specification references when used with 5. PARTS IDENTIFICATION of this section should be sufficient in assembling or disassembling the various cabinet combinations.

3.04 When cabinets are converted to make up a particular cabinet or disassembled to its common cabinet core, an identification plate provided with the cabinet should be marked with the cabinet code and date of conversion.

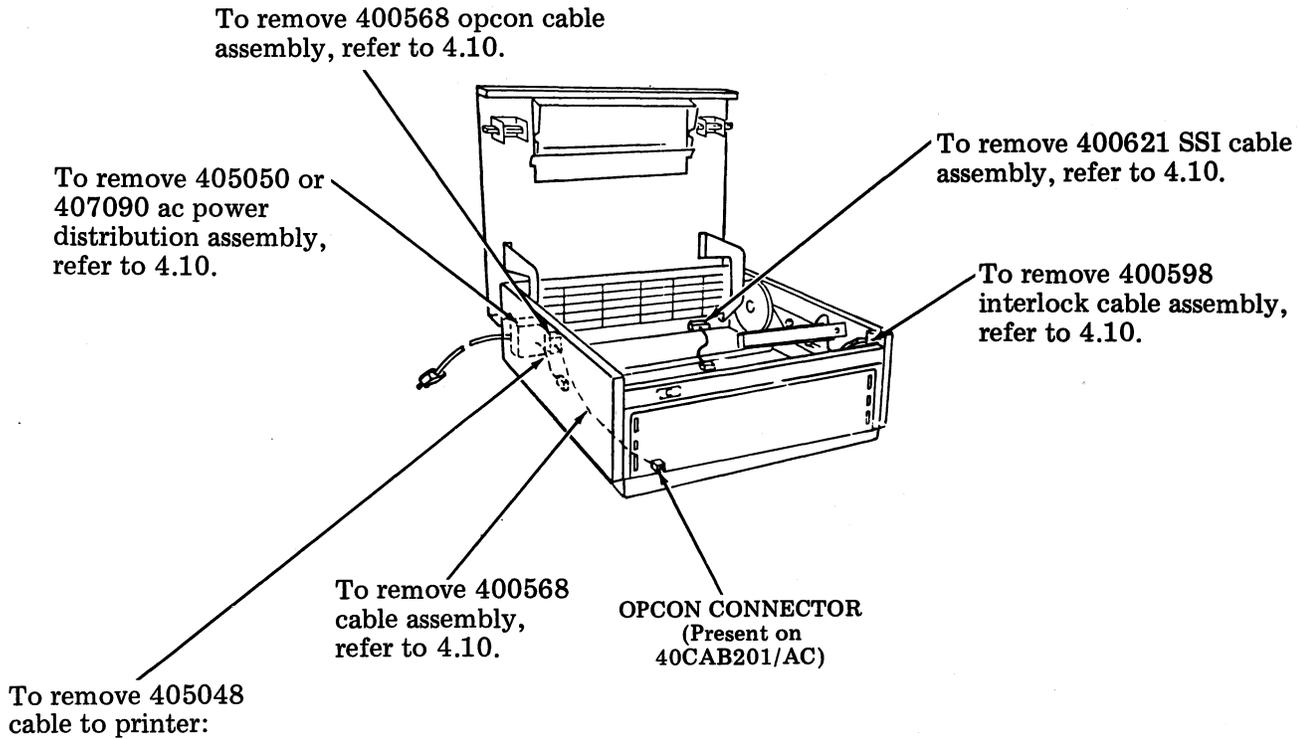
3.05 The table lists the various cabinet combinations presently utilized. Description and type of cabinet information is also listed to help in determining the kind of cabinet that might be desired (refer to PART 2. UNIT IDENTIFICATION).

CABINET CODE (Table Top)	ZZ CODE	MOD KIT	DESCRIPTION	TYPE	SPECIFICATION REFERENCE
40CAB201/AA = 40CAB201/AB = 40CAB201/AC =	40CAB201/ZZ NO CHANGE 40CAB201/ZZ	407042 407043	Printer Adjacent Logic Adjacent RO Printer	Friction - KDP (SSI) Friction (SSI)	50828S
40CAB251/AA 40CAB251/AB = 40CAB251/AC =	NO CHANGE 40CAB251/ZZ 40CAB251/ZZ	405563 405562	Printer U/Monitor Logic U/Monitor Monitor/Opcon Support	Friction (SSI) KD Used with 40C400 Series Controllers	50830S
40CAB251/AE =	40CAB251/ZZ	406047	Logic U/Monitor	KD (EIA) (Used with 40C304 Controller)	
40CAB351/AA = 40CAB351/AB =	40CAB351/ZZ 40CAB351/ZZ	407026 407025	RO Printer RO Printer w/ Provision for Opcon	80-Column Tractor (SSI) 80-Column Tractor (SSI)	50829S
40CAB351/AC =	40CAB351/ZZ	407024	RO Printer w/ Provision for Opcon	80-Column Tractor (EIA) (Used with 40C303 Integrated Controller)	
40CAB351/AE =	40CAB351/ZZ	406190	Houses Synchron- ous Integrated Controller and has Provision for Dual EIA Type Printer Interface	80-Column Tractor	50915S
40CAB353/AA = 40CAB353/AB =	40CAB353/ZZ 40CAB353/ZZ	405671 407024	RO Printer RO Printer w/ Provision for Opcon	132-Column Tractor (SSI) 132-Column Tractor (EIA) (Used with 40C303 Integrated Controller)	50829S
40CAB353/AD =	40CAB353/ZZ	406190	Houses Synchron- ous Integrated Controller and has Provision for Dual EIA Type Printer Interface	132-Column Tractor	50915S
40CAB371/AA = 40CAB371/AB =	40CAB371/ZZ 40CAB371/ZZ	407100 407101	RO Printer (Noise Reducing) RO Printer w/ Provision for Opcon (Noise Reducing)	Friction (SSI) Friction (EIA) (Used with 40C303 Integrated Controller)	50854S
	40CAB371/ZZ	407102	RO Printer (Noise Reducing)	Friction (SSI) (40C103 Controller)	
40CAB302/AA =	40CAB302/ZZ	406372	RO Printer w/ Provision for Opcon	Forms Access (EIA) (Used with 40C303 Integrated Controller)	50953S
40CAB302/AB	40CAB302/ZZ	406370	RO Printer	Forms Access (SSI)	50951S

4. DISASSEMBLY/REASSEMBLY

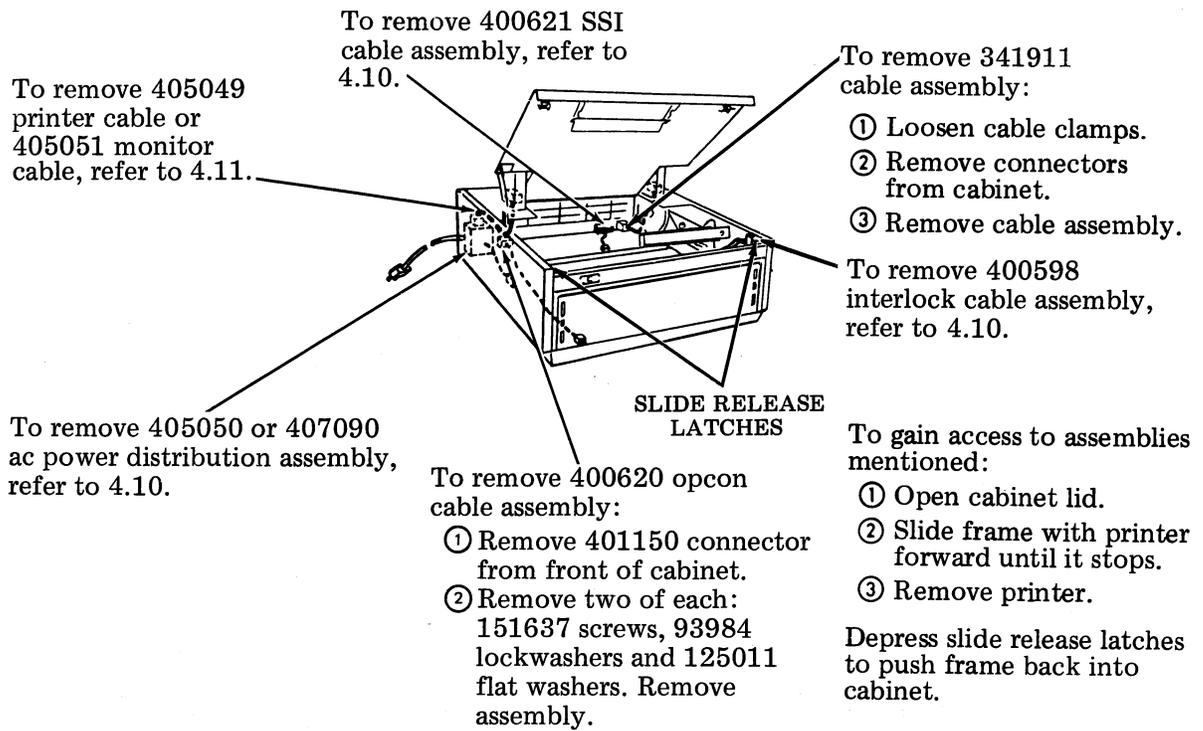
FRICION FEED PRINTER CABINETS

- 4.01 40CAB201/AA Printer Adjacent Cabinet (Includes internal interlock and printer cables):
- 40CAB201/AC RO Printer Cabinet (Includes internal interlock, printer and opcon cables):



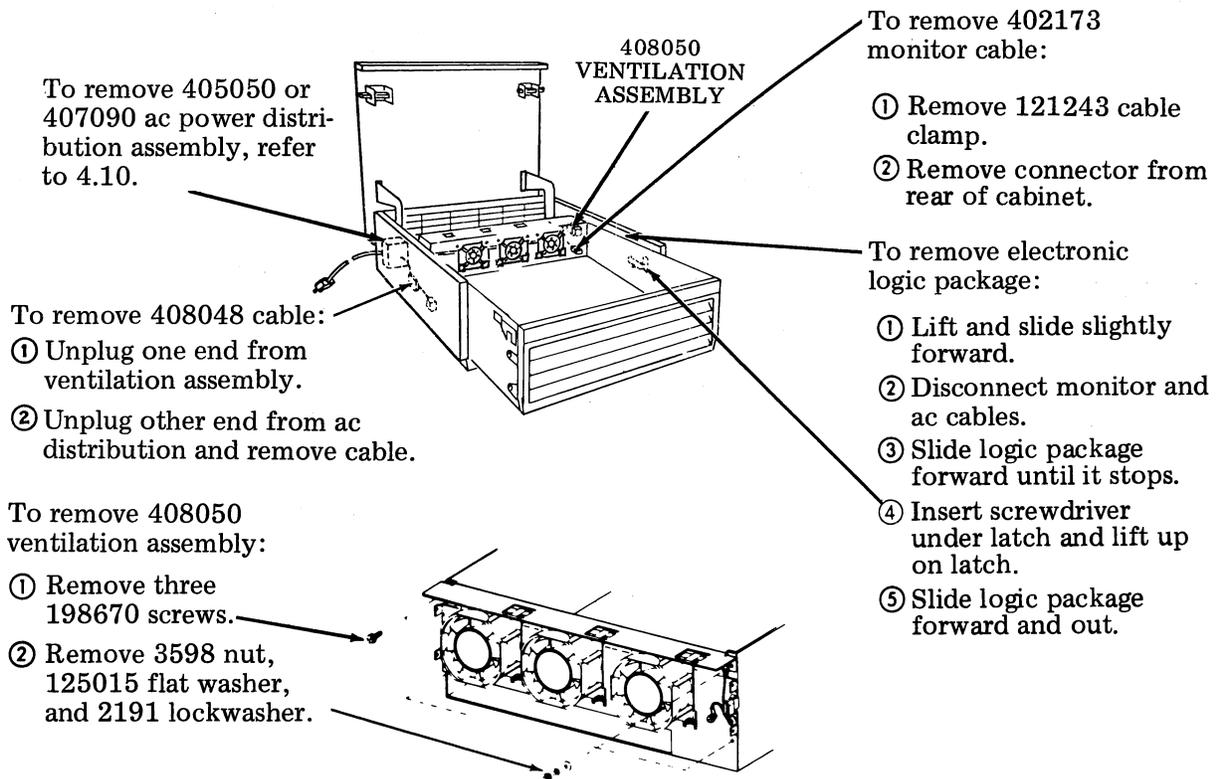
- ① Remove connector from cabinet cradle bracket.
- ② Unplug other end from 405050 ac distribution assembly.

4.02 40CAB251/AA Printer Under Monitor Cabinet:



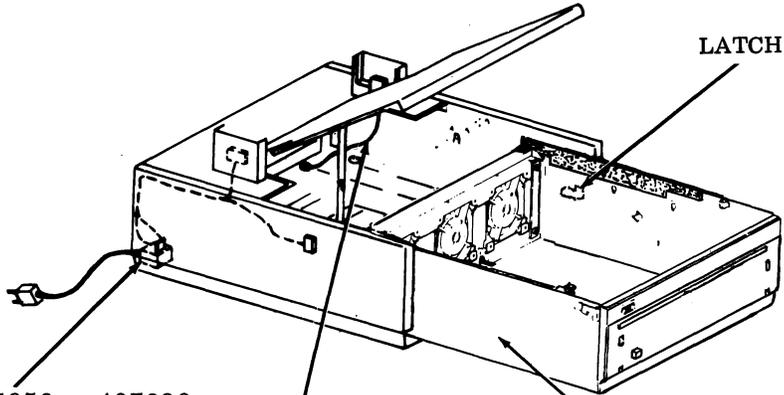
LOGIC CABINETS

4.03 40CAB201/AB Logic Adjacent Cabinet:



4.04 40CAB251/AB Logic Under Monitor Cabinet:
40CAB251/AC Monitor/Opcon Support:
40CAB251/AE Logic Under Monitor:

To remove 405051 monitor cable
and 405047 fan cable (not used on
40CAB251/AC), refer to 4.11.



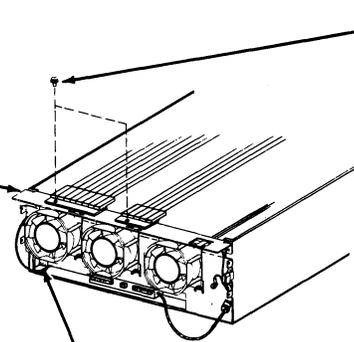
To remove 405050 or 407090
ac power distribution assembly,
refer to 4.10.

To remove 341891 (used on 40CAB251/AB)
or 406046 (used on 40CAB251/AE) monitor
cables, refer to 4.11.

40CAB251/AB only —
to remove electronic logic
package and fan assembly:

- ① Lift and slide forward until
logic package stops.
- ② Disconnect fan and monitor
cables on rear of logic
package.
- ③ Loosen 341819 shoulder
screw from top of fan
assembly frame.
- ④ Insert screwdriver under
latch and slide logic
package slightly forward.
- ⑤ Remove logic package.

To remove 408050
assembly, refer to 4.03.



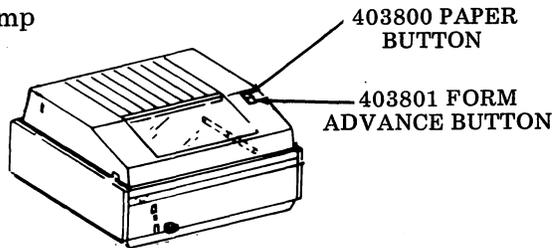
341891
MONITOR CABLE

TRACTOR FEED PRINTER CABINETS

4.05 40CAB351/AA and 40CAB353/AA Printer Adjacent Cabinets:
40CAB351/AB, 40CAB351/AC, and 40CAB353/AB RO Printer Cabinets:

To replace 333588 lamp in 335123 switch:

- ① Remove 403800 button.
- ② Replace lamp.

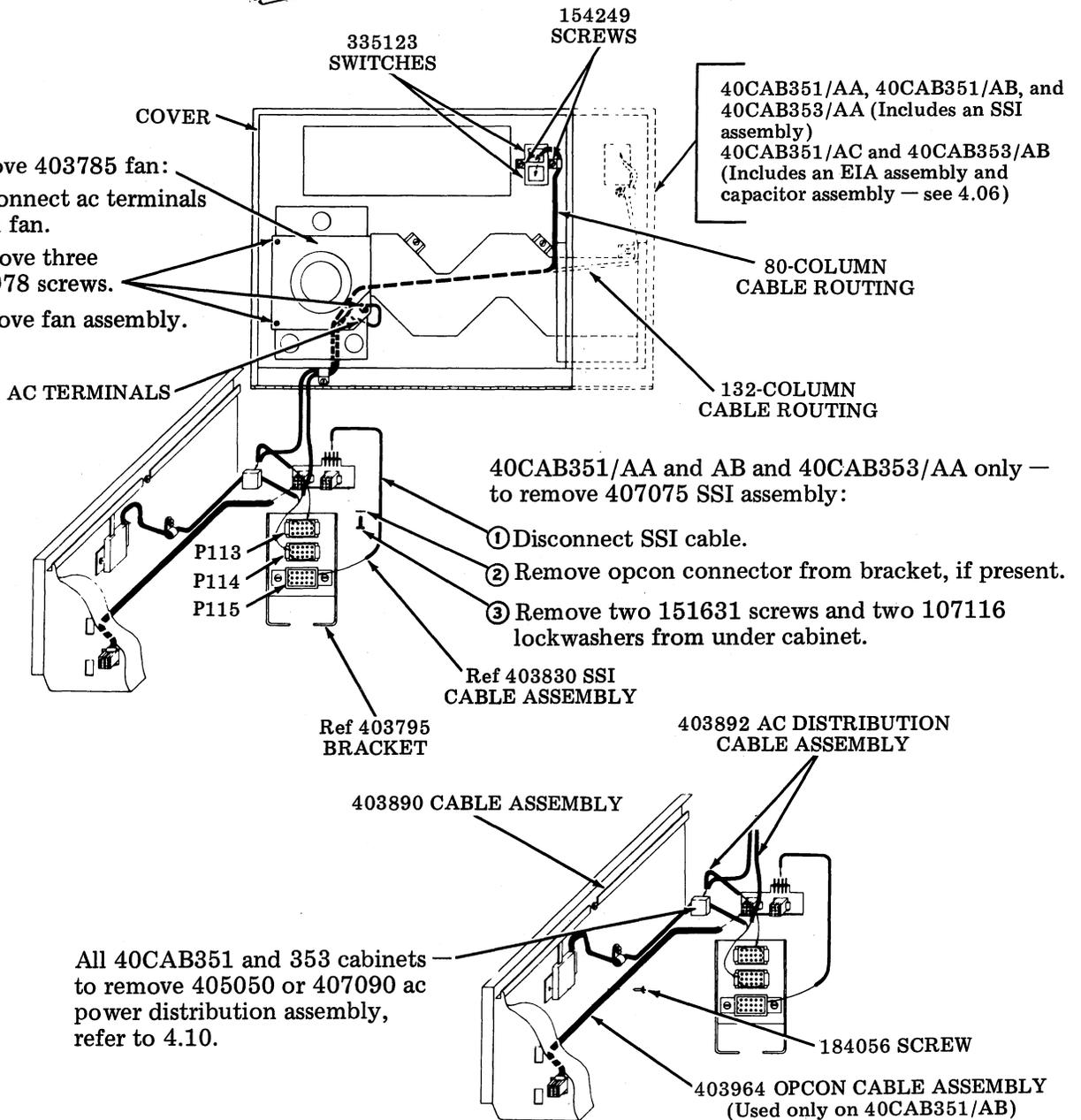


To remove 335123 switches:

- ① Remove switch button.
- ② Remove nut from top of switch.
- ③ Unsolder leads.
- ④ Remove switch.

To remove 403785 fan:

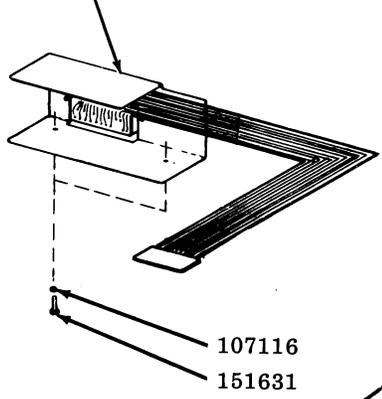
- ① Disconnect ac terminals from fan.
- ② Remove three 150978 screws.
- ③ Remove fan assembly.



4.06 40CAB351/AC and 40CAB353/AB RO Printer Cabinets:

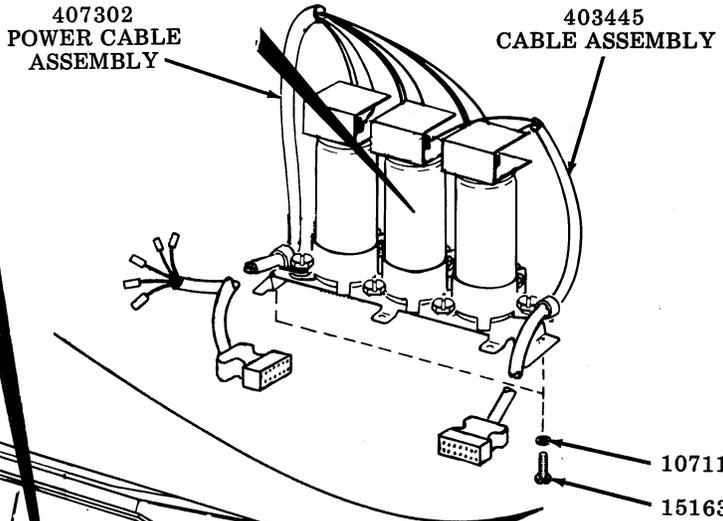
To remove 407077 EIA signal input assembly:

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

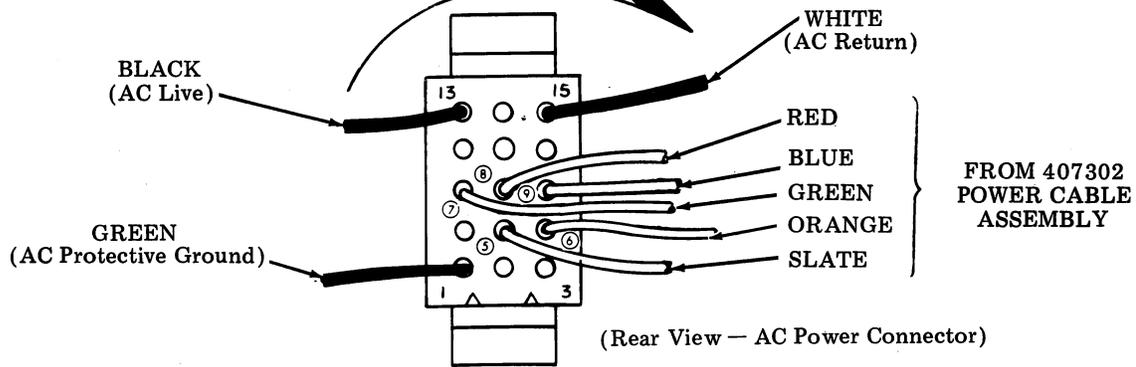
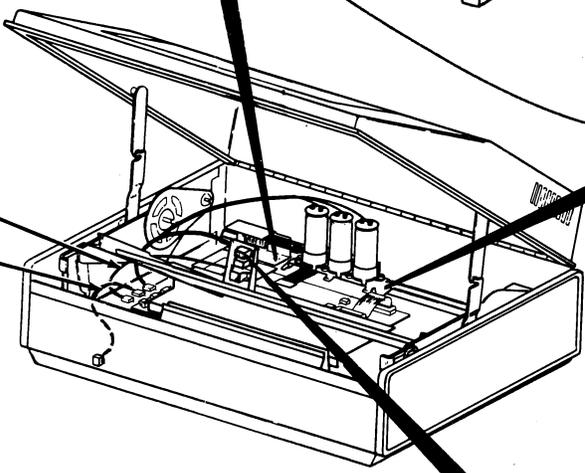


To remove 407076 capacitor assembly:

- ① Remove terminals of 407302 power cable from 341691 ac power connector. See wiring below.
- ② Disconnect 403445 and 407302 cables from circuit card assemblies.
- ③ Remove two 151631 screws and two 107116 lockwashers from bottom of cabinet.
- ④ Remove assembly.



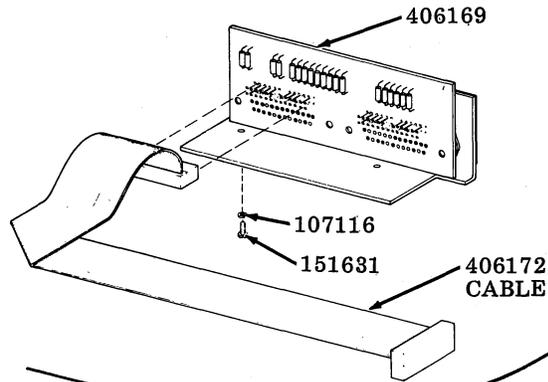
407303 SSI CABLE ASSEMBLY
407301 OPCON CABLE ASSEMBLY



4.07 40CAB351/AE and 40CAB353/AD Printer Cabinets

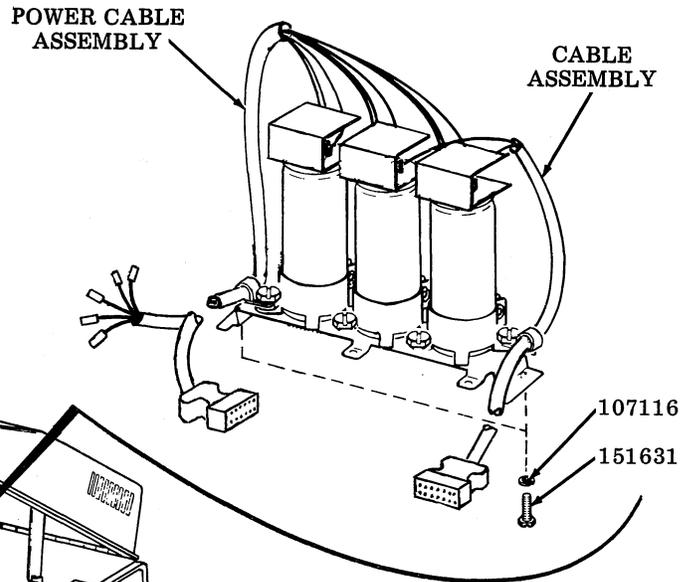
To remove 406169 EIA assembly:

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



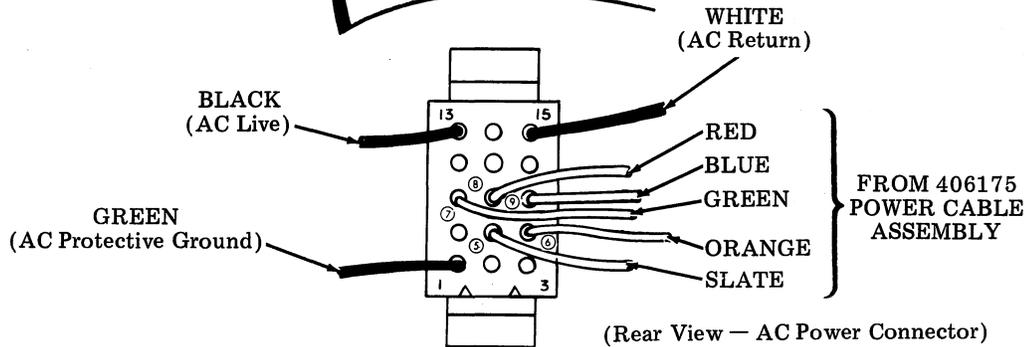
To remove 406189 capacitor assembly:

- ① Remove terminals of 406175 power cable from 341691 ac power connector. See wiring below.
- ② Disconnect cables from circuit card assemblies.
- ③ Remove two 151631 screws and two 107116 lockwashers from bottom of cabinet.
- ④ Remove assembly.



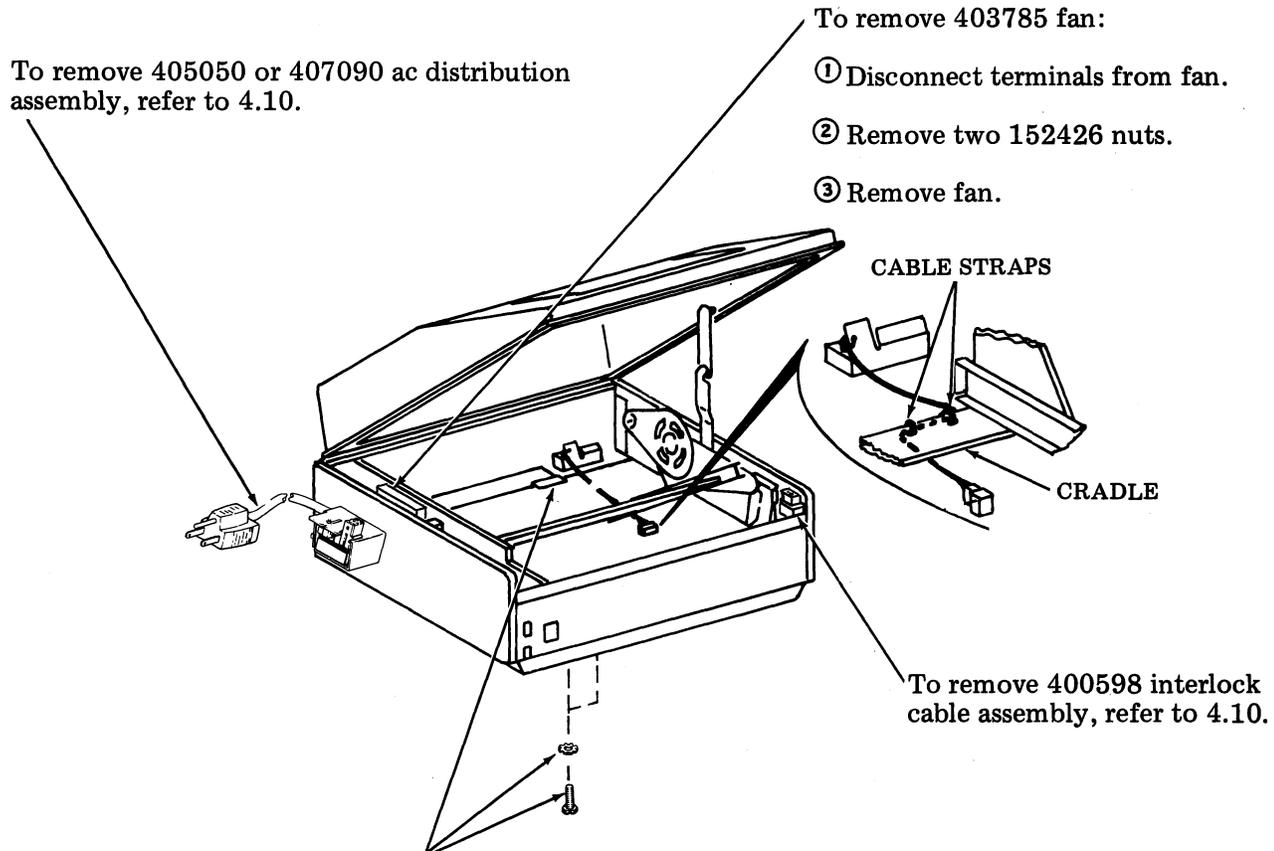
406173 SSI CABLE ASSEMBLY

406192 OPCON CABLE ASSEMBLY



FRICION FEED PRINTER CABINETS — NOISE REDUCING

4.08 40CAB371/AA Printer Adjacent Cabinet:
40CAB371/AB RO Printer Cabinet:



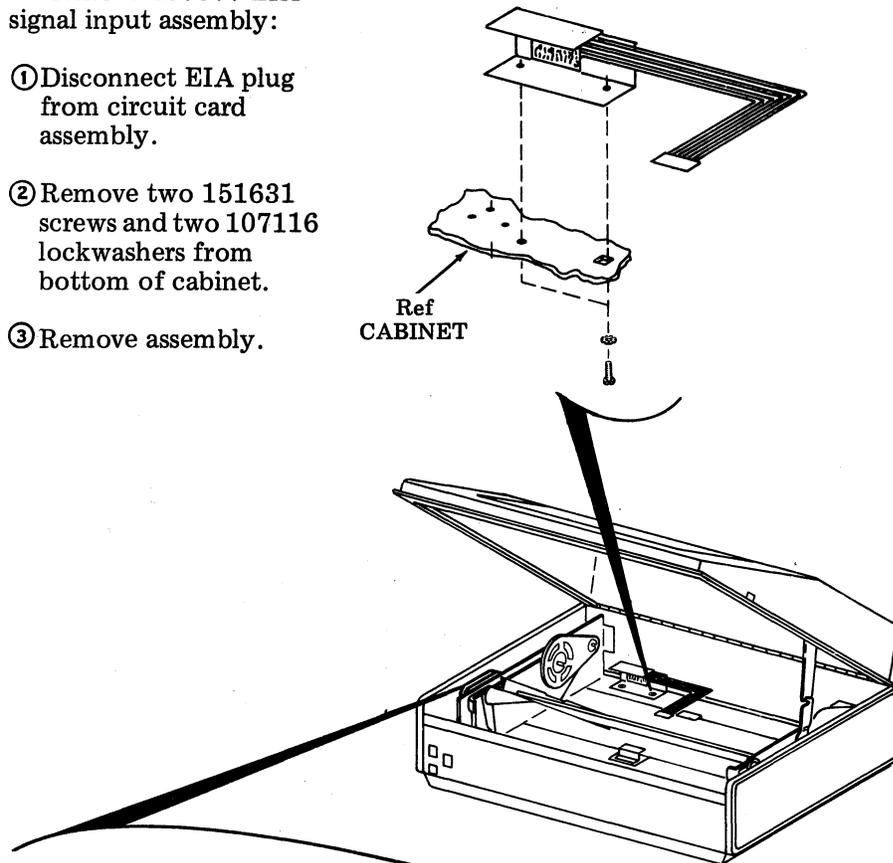
40CAB371/AA only ---
to remove 407122 SSI cable w/bracket:

- ① Remove two 151631 screws and two 107116 starwashers from bottom of cabinet.
- ② Cut cable straps holding cable to the cradle.
- ③ Remove 407122 SSI cable w/bracket.

4.09 40CAB371/AB RO Printer Cabinet:

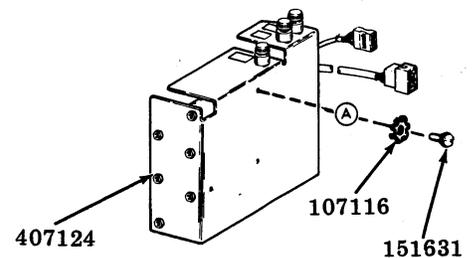
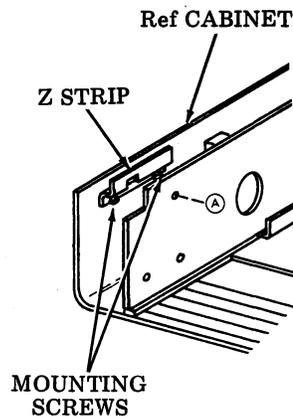
To remove 407077 EIA signal input assembly:

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



To remove 407124 power supply:

- ① Disconnect two connectors from circuit cards.
- ② In order to gain clearance to remove the 407124 power supply, two mounting screws on the Z strip are to be loosened and Z strip pivoted upwards.
- ③ Remove three 151631 screws and three 107116 lockwasher.
- ④ Remove power supply.



SECTION 582-212-700

CABINET SUBASSEMBLIES (Table Top)

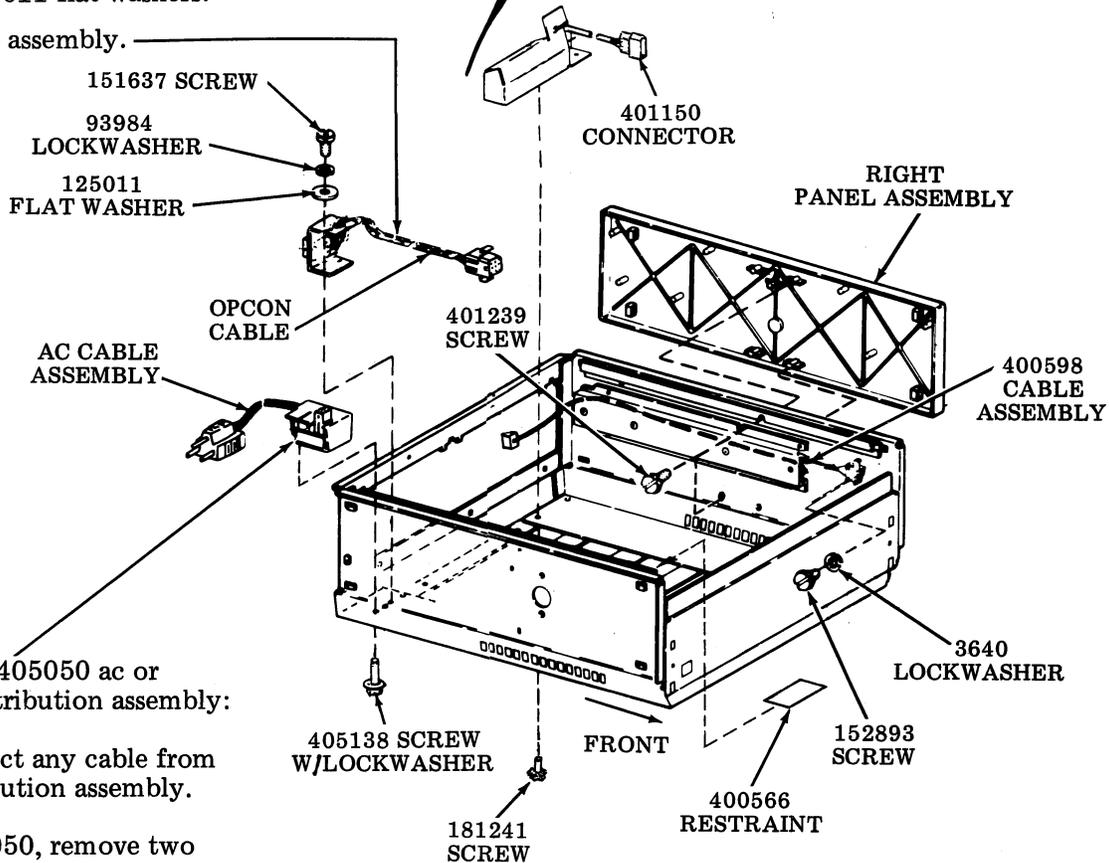
4.10 AC Distribution and Cable Assemblies:

To remove 400568 or 400620 opcon cable assembly (includes 400577 bracket and opcon cable):

- ① Remove 401150 connector from front of cabinet.
- ② Remove six 400566 cable restraints.
- ③ Remove two of each: 151637 screws, 93984 lockwashers, and 125011 flat washers.
- ④ Remove assembly.

To remove 400621 SSI cable assembly:

- ① Remove three 181241 screws.
- ② Remove 400621 assembly.



To remove 405050 ac or 407090 distribution assembly:

- ① Disconnect any cable from ac distribution assembly.
- ② For 405050, remove two 408887 screws from bottom of cabinet. For 407090, remove two 2658 nuts from bottom of cabinet.
- ③ Remove assembly.

To remove 400598 interlock cable assembly:

- ① Remove two 401239 screws.
- ② Grasp center of side panel and gently pull outward to withdraw locating pin. While holding, pull toward front of the cabinet to remove.
- ③ Remove two 152893 screws and two 3640 lockwashers.
- ④ Remove assembly.

4.11 Fan and Monitor Power Cables, Monitor Signal Cables:

To remove 405047 ac fan cable or 405049 printer cable:

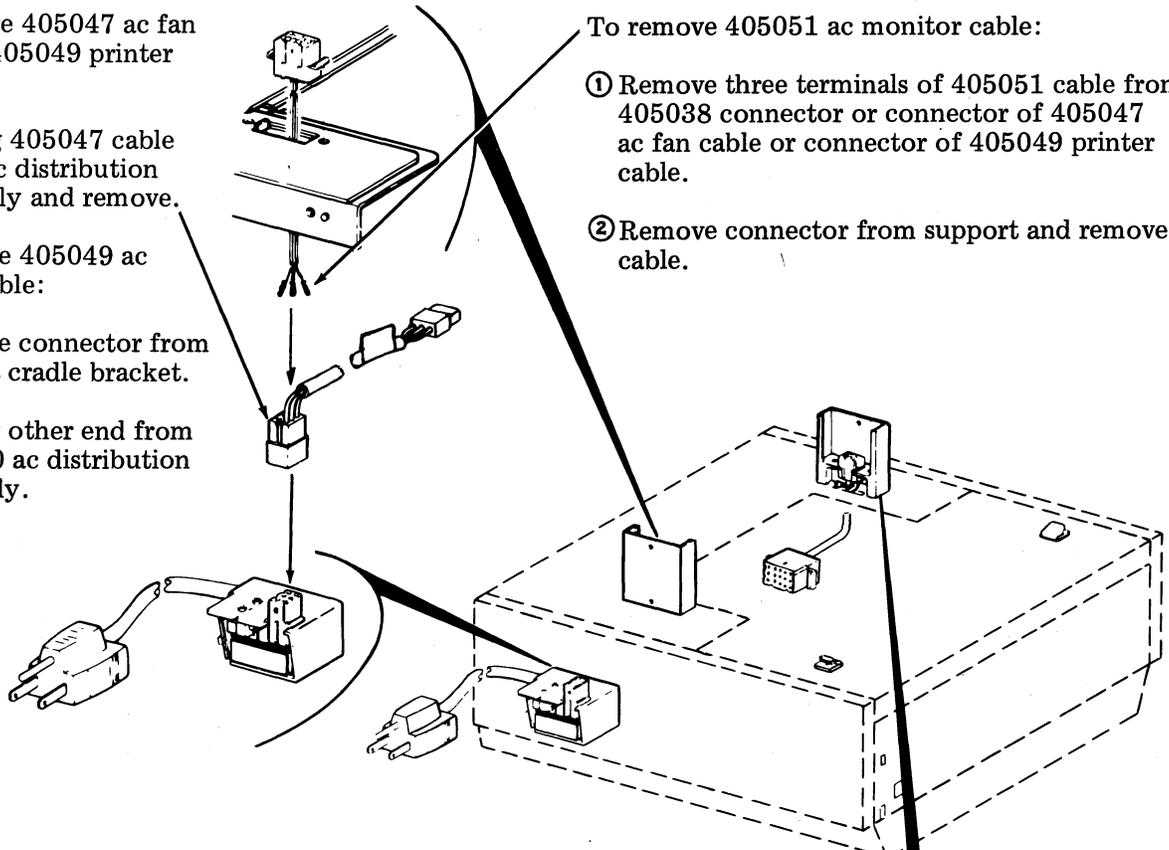
- ① Unplug 405047 cable from ac distribution assembly and remove.

To remove 405049 ac printer cable:

- ① Remove connector from cabinet cradle bracket.
- ② Unplug other end from 405040 ac distribution assembly.

To remove 405051 ac monitor cable:

- ① Remove three terminals of 405051 cable from 405038 connector or connector of 405047 ac fan cable or connector of 405049 printer cable.
- ② Remove connector from support and remove cable.

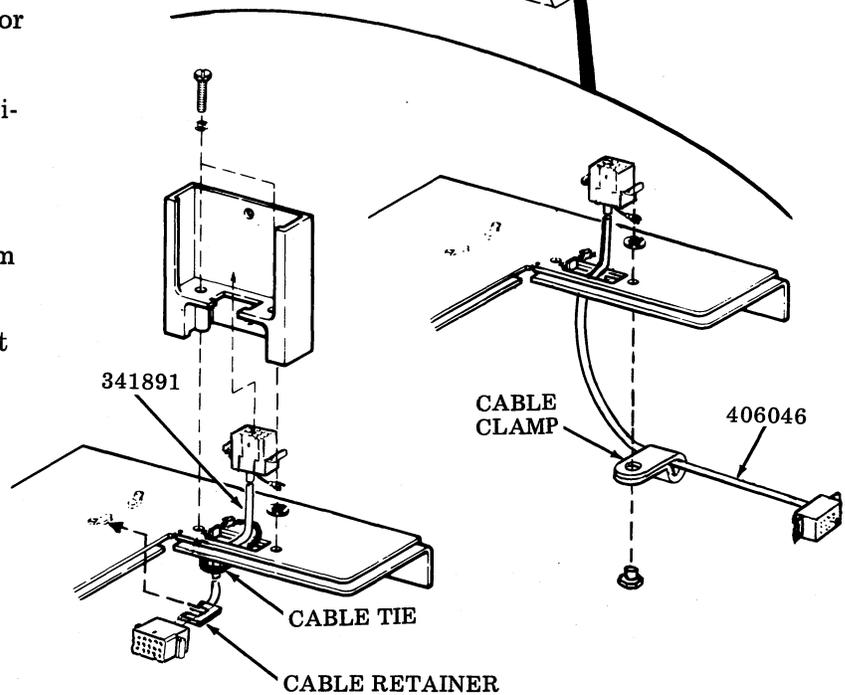


To remove 341891 or 406046 monitor cables:

- ① Loosen hardware and remove terminal ground of the monitor cable.

- ② 341891 cable:
 - Cut cable tie.
 - Remove cable retainer plate from tabs on lower surface of cabinet top member.
 - Remove connector from support and remove cable.

- ③ 406046 cable:
 - Remove nut and cable clamp holding cable to lower surface of cabinet member.
 - Remove connector from support and remove cable.

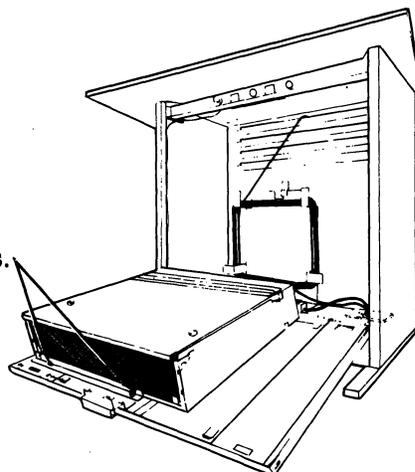


CABINET (Pedestal Type)

4.12 40CAB901/XX Cabinet (Pedestal Type):

To remove ventilation assembly
and electronics package assembly:

Remove two 401225 screws with washers.

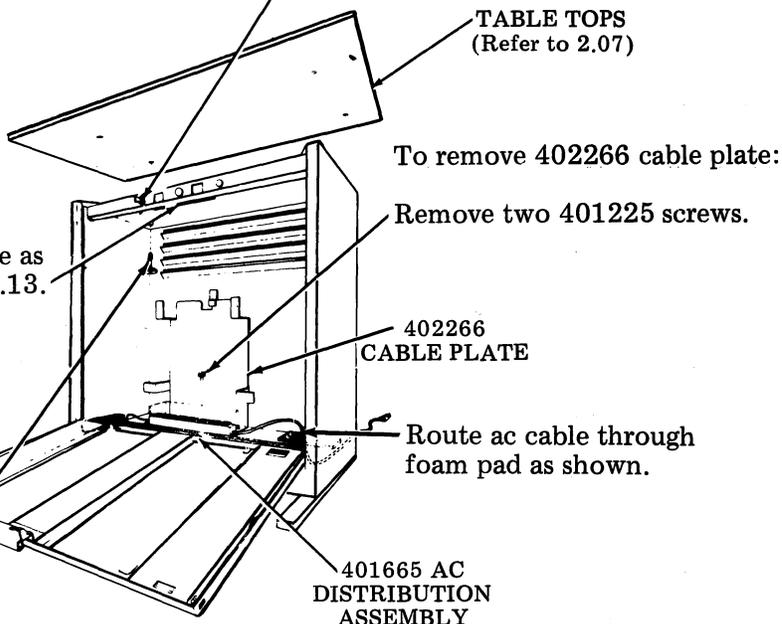
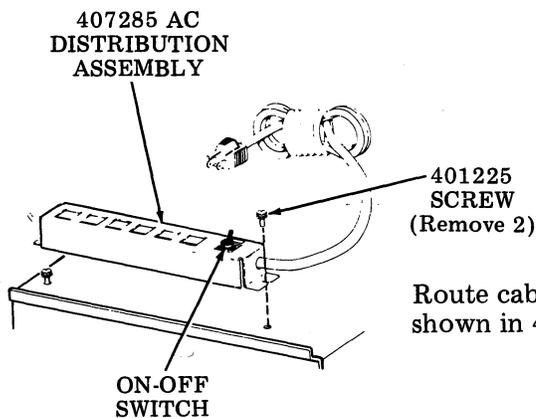


To remove 407285 ac distribution
assembly (late design):

Note: New ac distribution assembly is
equipped with 6 switched receptacles,
and an ON-OFF switch mounted on the
panel.

To remove 401665 ac distribution
assembly (early design):

Remove two 401225 screws and
408052 ac switch assembly with
hardware.



To remove table tops:

Remove four 2449
lockwashers and
162730 screws.

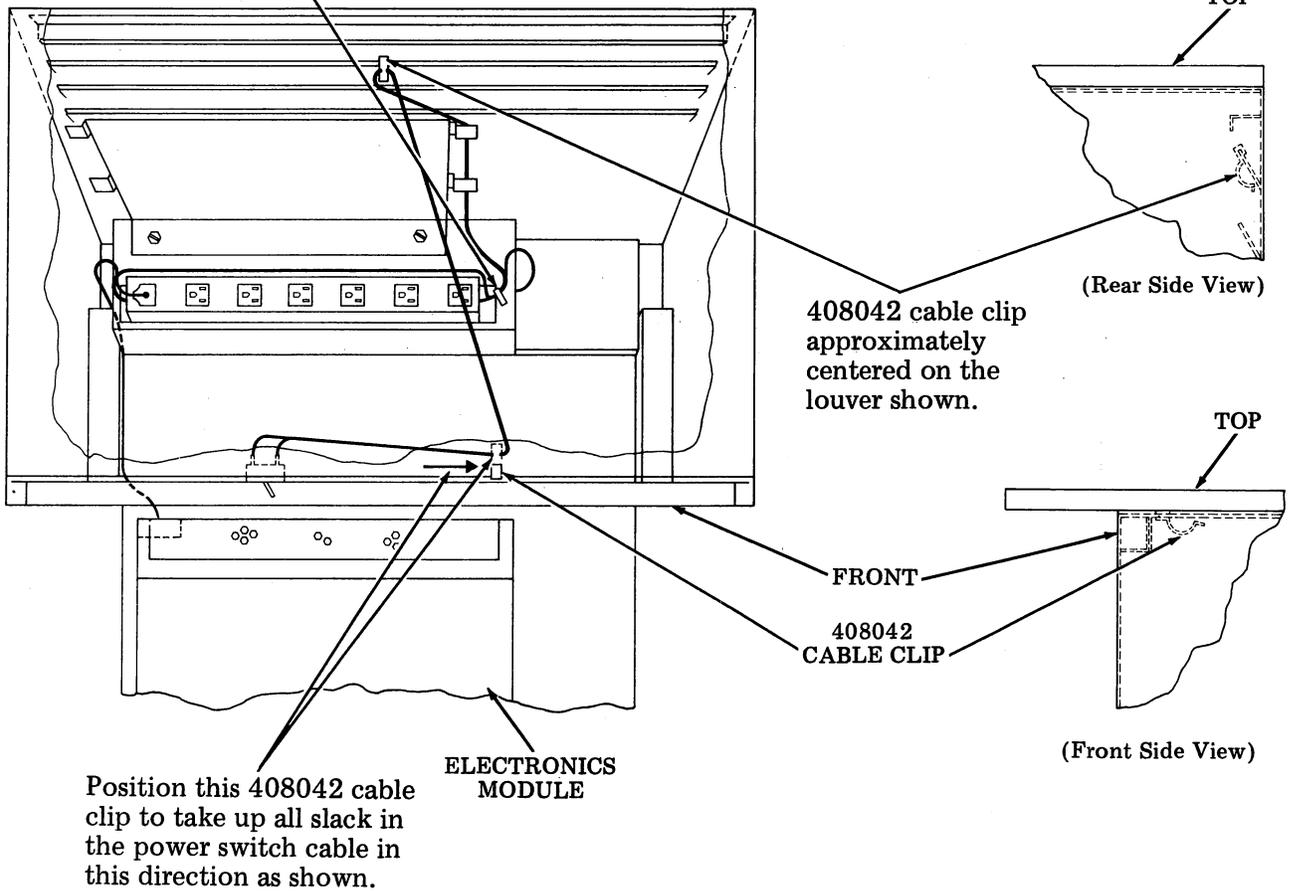
CABINET (Pedestal-Type)

4.13 40CAB901/XX Cable Routing

- ① Disassemble switch mounting bracket. Do not remove switch.
- ② Install cable clip to top of pedestal.
- ③ Install cable clip on louver at rear of pedestal.
- ④ Reassemble switch mounting bracket.
- ⑤ Route cable as shown.
- ⑥ Dress cable, taking up slack as shown, and install the cable strap.

CUT AWAY TOP VIEW OF THE PEDESTAL

312918 cable strap strapping the power switch cable to the ac strip power cord.



SECTION 582-212-700

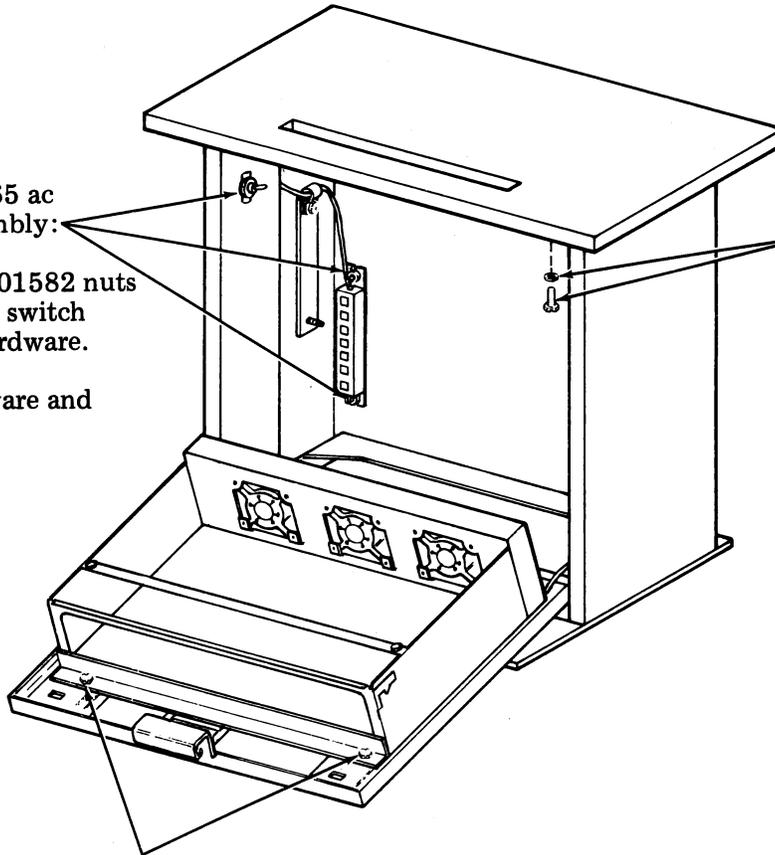
4.14 40CAB902/XX

To remove 401665 ac distribution assembly:

- ① Remove two 401582 nuts and 408052 ac switch assembly w/hardware.
- ② Remove hardware and cable clamp.

To remove table tops:

Remove four 2449 lockwashers and four 162730 screws.

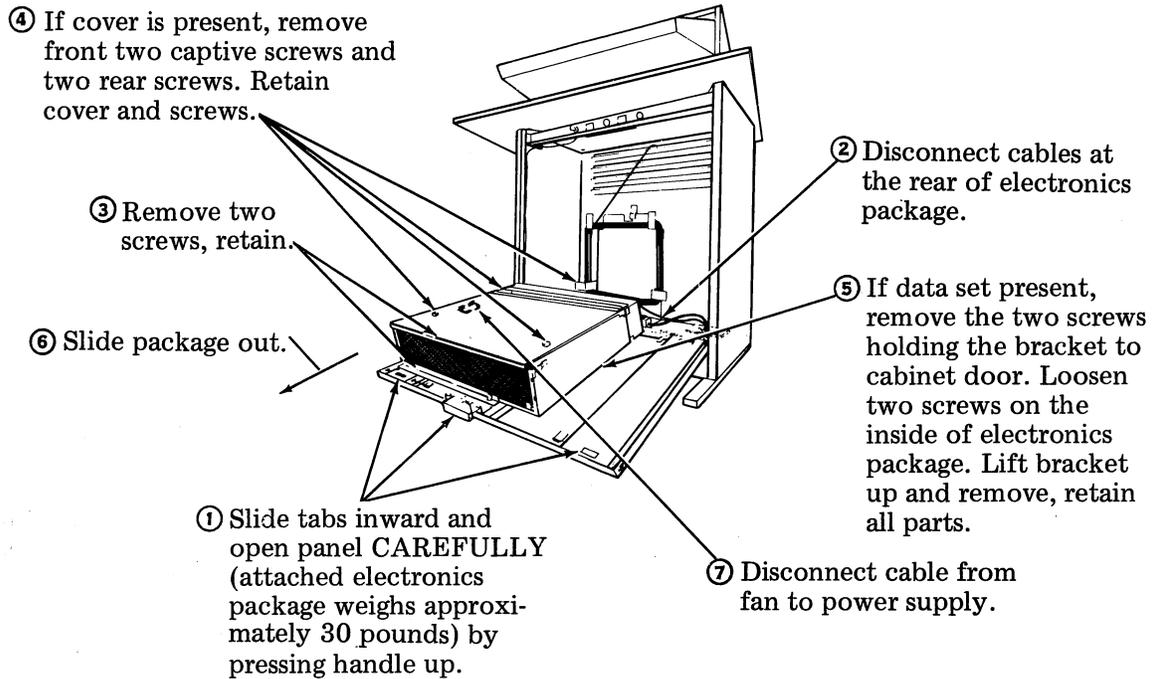


To remove ventilation assembly and electronics package assembly:

Remove two 401225 screws.

CABINET (Pedestal Type) SUBASSEMBLIES

4.15 40CAB901/XX and 40CAB902/XX



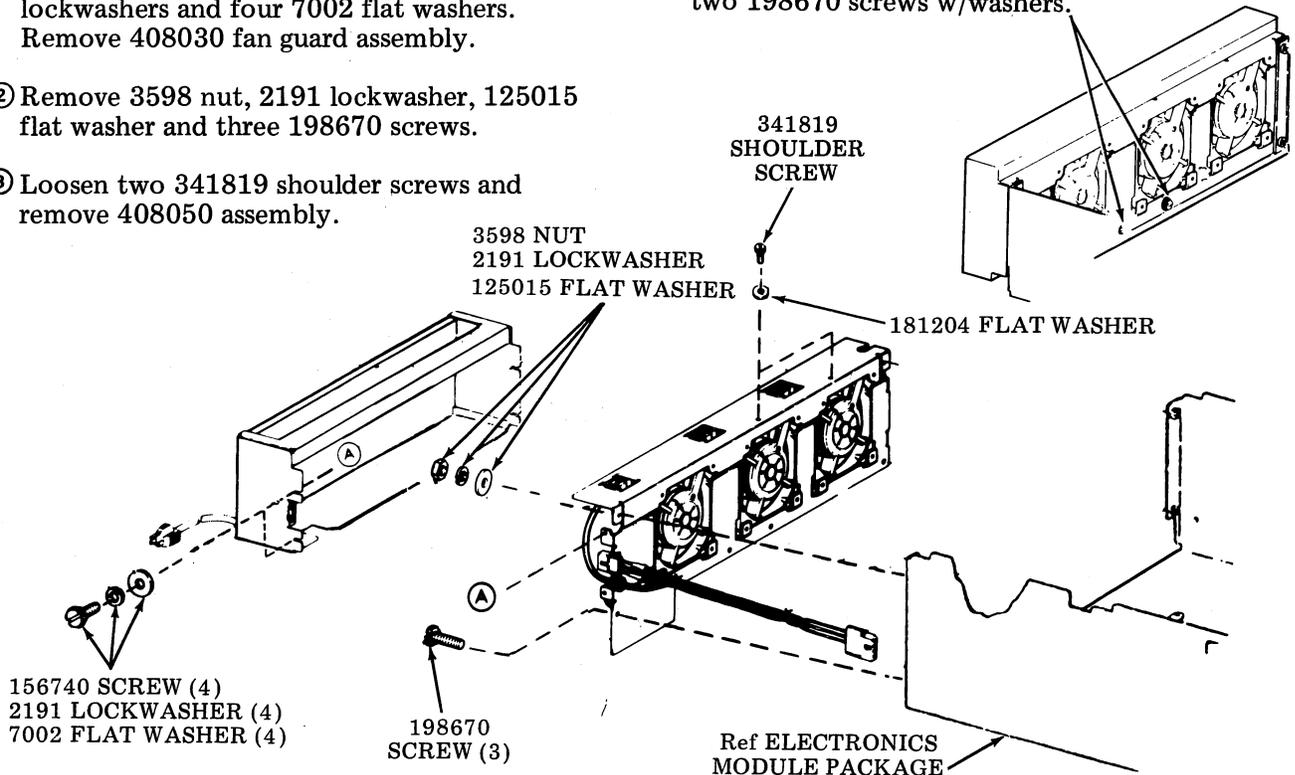
4.16 Ventilation Assembly Removal — 40CAB901/XX

① Remove four 156740 screws, four 2191 lockwashers and four 7002 flat washers. Remove 408030 fan guard assembly.

② Remove 3598 nut, 2191 lockwasher, 125015 flat washer and three 198670 screws.

③ Loosen two 341819 shoulder screws and remove 408050 assembly.

Note: On ROP electronics package, remove two 198670 screws w/washers.

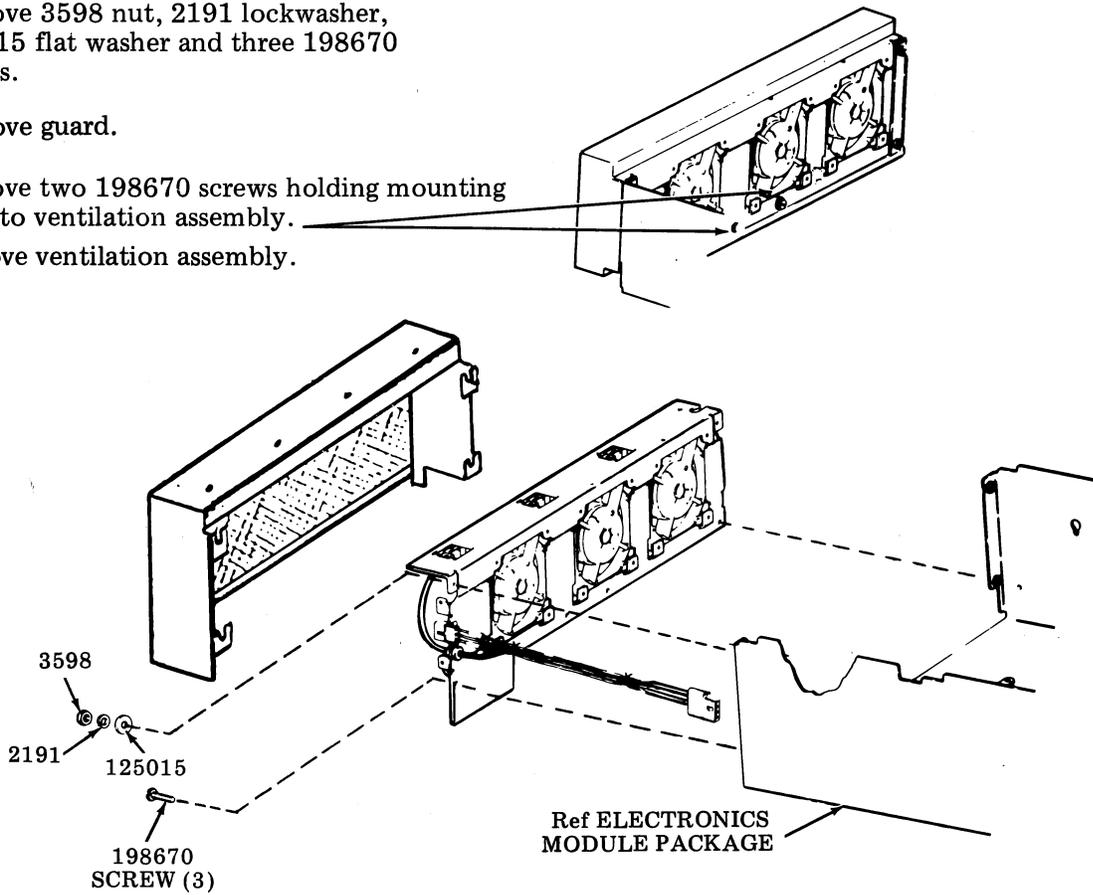


4.17 Ventilation Assembly Removal — 40CAB902/AB

① Remove 3598 nut, 2191 lockwasher, 125015 flat washer and three 198670 screws.

② Remove guard.

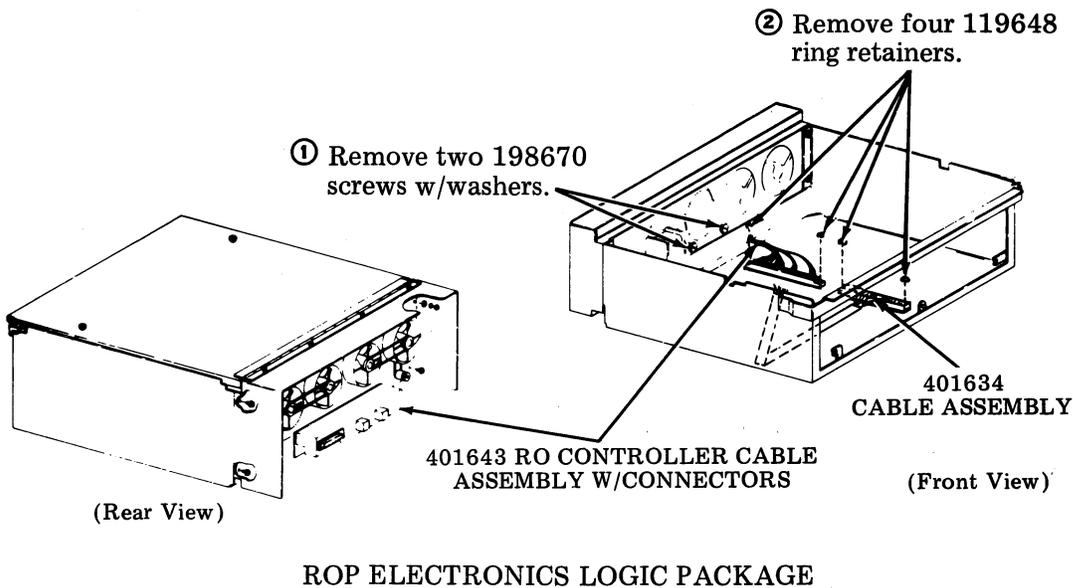
Remove two 198670 screws holding mounting plate to ventilation assembly.
Remove ventilation assembly.



4.18 ROP Controller Interface and Power Supply Cable:

② Remove four 119648 ring retainers.

① Remove two 198670 screws w/washers.

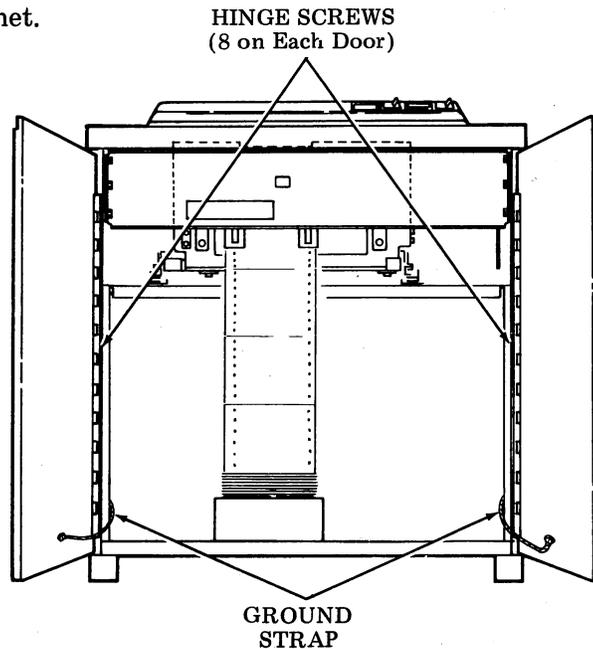


FORMS ACCESS PRINTER CABINET

4.19 40CAB302/ZZ Forms Access Cabinet.

To remove access doors:

Remove respective hinge mounting screws and their respective ground straps from the cabinet.

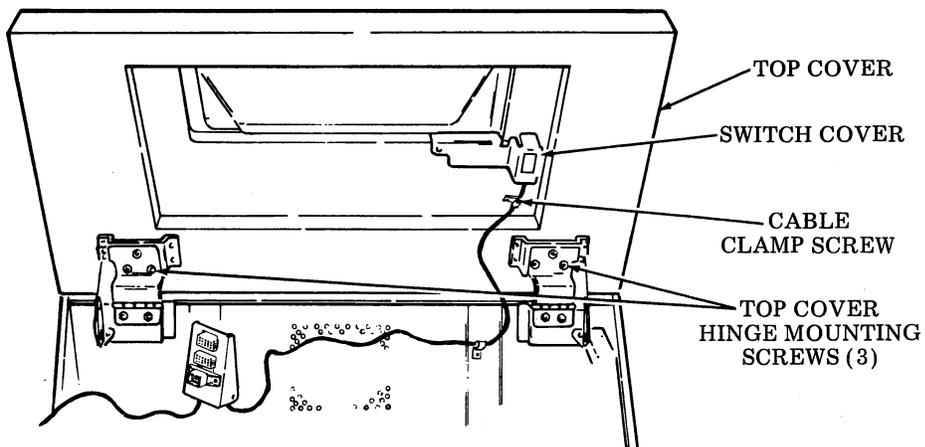


Note: Refer to 5. PARTS IDENTIFICATION for hardware numbers.

4.20 40CAB302/ZZ Forms Access Cabinet

To remove top cover from cabinet:

- ① Remove two screws holding the switch cover.
- ② Remove cable clamp screw.
- ③ Disconnect cable assembly terminals from respective component terminals on forms chute.
- ④ Remove six top cover hinge mounting screws.



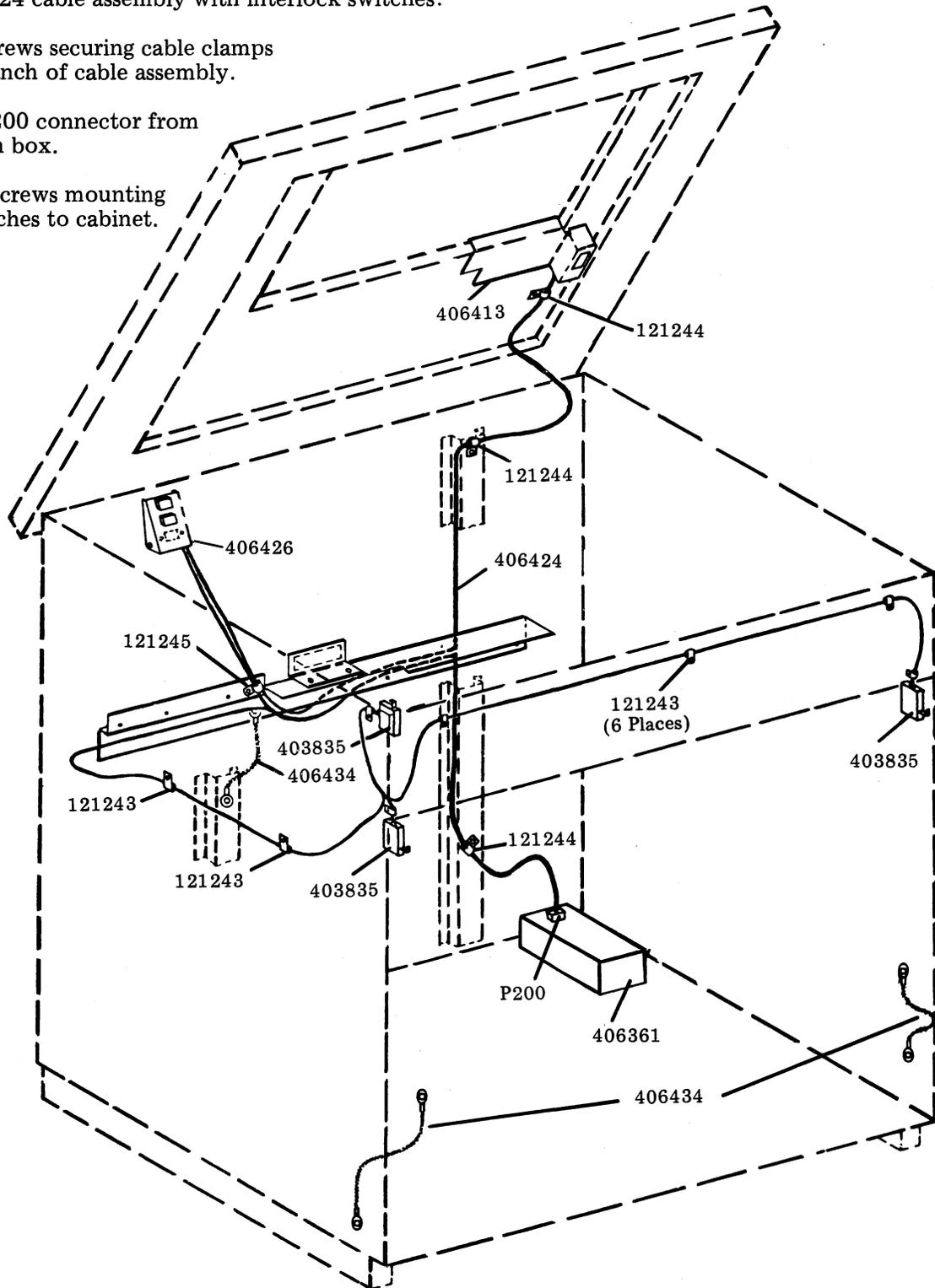
Note: Refer to 5. PARTS IDENTIFICATION for hardware numbers.

SECTION 582-212-700

4.21 40CAB302/ZZ Forms Access Cabinet

To remove 406424 cable assembly with interlock switches:

- ① Remove all screws securing cable clamps from each branch of cable assembly.
- ② Disconnect P200 connector from ac distribution box.
- ③ Remove two screws mounting interlock switches to cabinet.



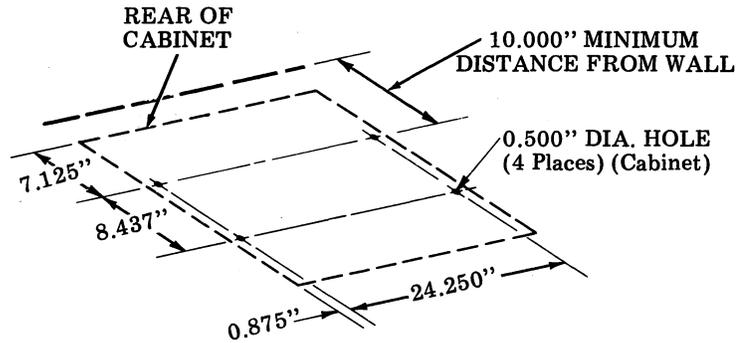
Note 1: To reinstall the 406424 cable assembly, reverse the above procedure.

Note 2: Refer to 5. PARTS IDENTIFICATION for hardware numbers.

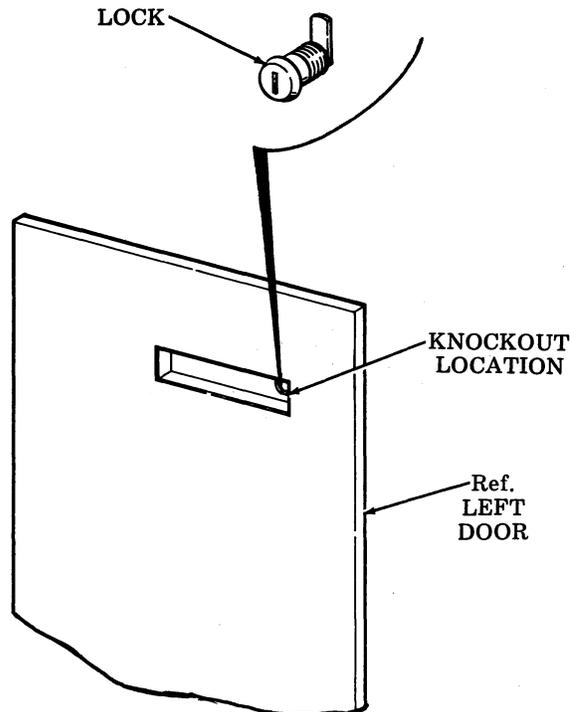
4.22 40CAB302/ZZ Forms Access Cabinet

- The 40CAB302/ZZ cabinets are provided with three security features that customers may desire for their installation: 1. Holes for securing cabinet to the floor, 2. an entry security lock knockout in the left front access door and 3. a secure location for the electrical forms switch.

① Cabinet floor securing hole data.

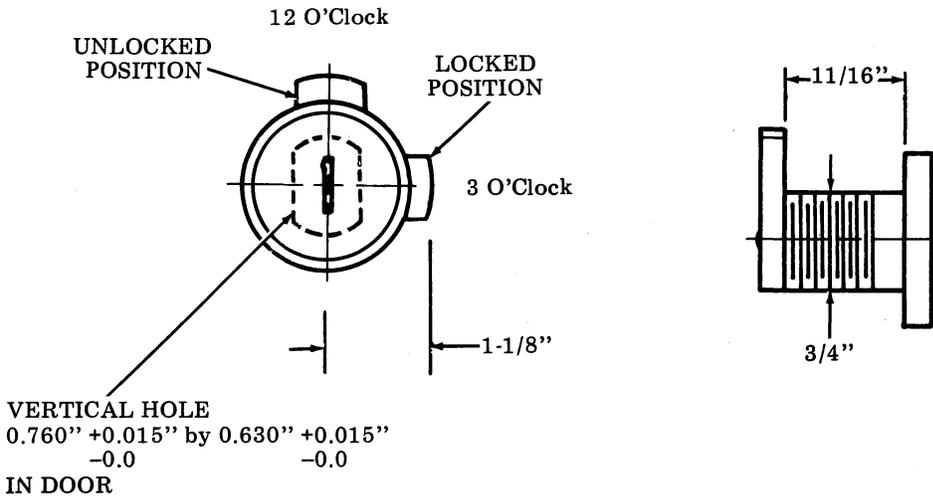


- ② To acquire entry security, remove the lock mounting hole knockout plug located in the handle well of the left front access door and install lock. Teletype Corporation does not supply the lock. Listed on the following page are sources with readily available locks that will meet the cabinet design.



Lock Configuration and Source

Key Removable in Locked Position Only



Sources: List is representative — not an endorsement — many others available.

Chicago Lock Company
Chicago, Illinois

- § K-4153 — AR
- K-3786 — 6TH — AR
- K-3786 — 6T — AR
- K-3786 — AR

- § 4153 — AR
- 4198 — AR
- 3786 — 6TH — AR
- 3786 — 6T — AR
- 3786 — AR

Must also order 2693 flat washer.

Corbin Cabinet Lock
Berlin, Connecticut

- 15751 — C2L
 - C15751 — C2L
- 90 Degree Rotation
Lock at 3 o'clock
Unlock at 12 o'clock
Key removed at lock position

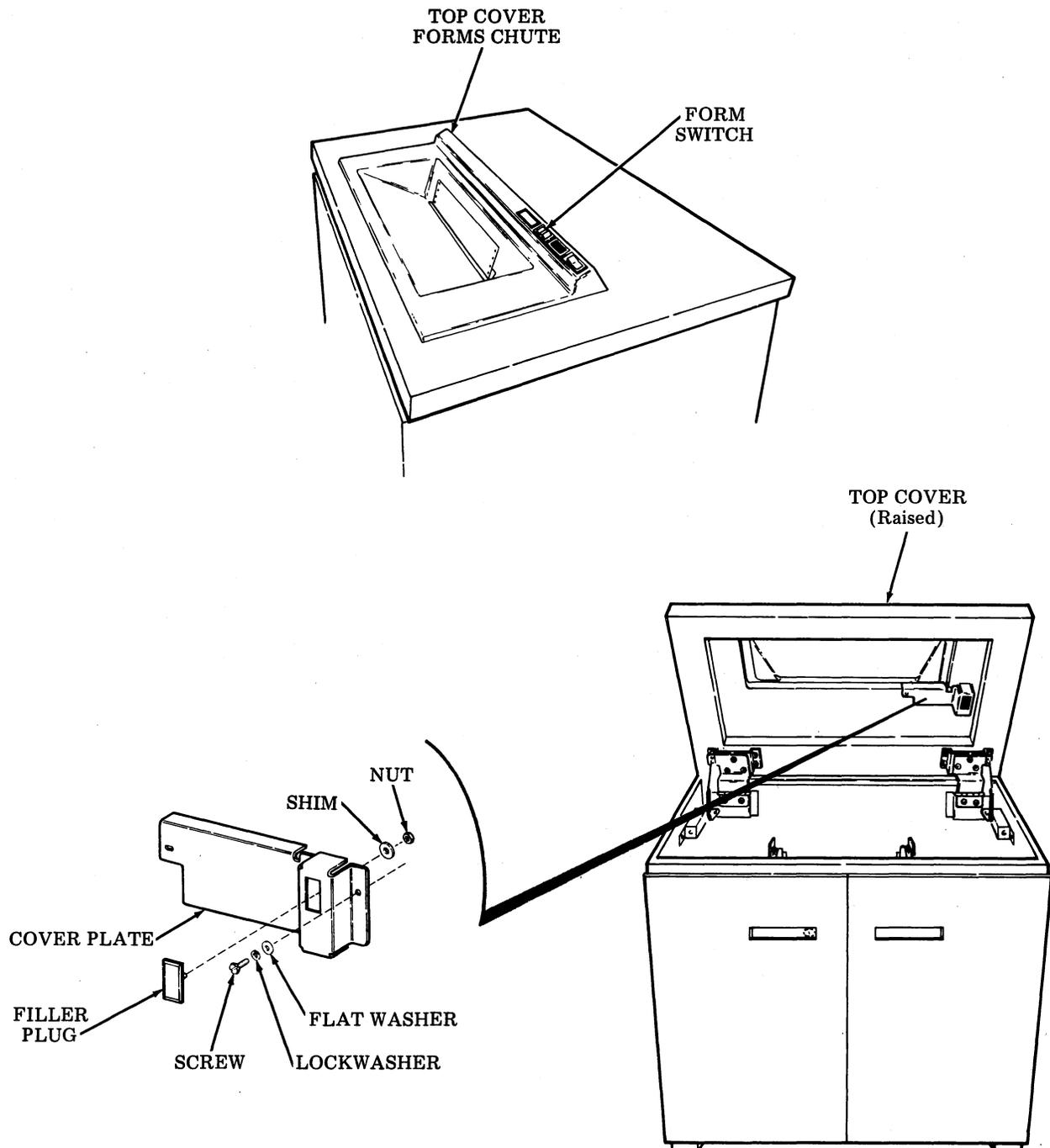
National Lock Hardware
Rockford, Illinois

- M4 -- 0052 -- 1-1/8 -- R Type 1
 - M4 -- 0054 -- 1-1/8 -- R Type 1
- Must also order
M5-0022-100 flat washer.

§ Greater degree of security obtainable with these locks.

All locks listed may be keyed alike or separately, refer to manufacturers for ordering information.

- ③ The FORM switch securing procedure is as follows: Disassemble cover plate with filler plug from the bottom side of cabinet top cover by removing two screws, lockwashers and flat washers. Disconnect the two terminals of the FORM switch and carefully remove FORM switch from the top cover forms chute. Remove the shim and nut that secure the filler plug to the cover plate and reassemble the filler plug in the hole vacated by FORM switch on the top cover forms chute. Insert FORM switch in cover plate and reconnect the two terminals. Reassemble the cover plate to the top cover and tighten mounting screws.



SECTION 582-212-700

4.23 The 40CAB302/ZZ forms access cabinet with 406374 modification kit will provide paper-out contact closure below print line in the forms access printer cabinet.

4.24 This cabinet is arranged for use with the 40P253 forms access printer.

4.25 This printer differs from the rest of the 40-type printers principally in that it pushes rather than pulls the forms through the machine.

4.26 This pushing action means that the last form cannot clear the printing line and some information could be lost. For example, if the printer is printing six-inch forms, normal operation occurs until the last form clears the form out switch (this would occur after about 1-1/2 to 2 inches of copy has been printed).

• Option 48 on 410071 Printer Logic Circuit Card

(a) If the option switch had been selected to immediately drop all further data receiving (SWE9-9 Closed), the operator must now replenish the paper supply and in some fashion, retrieve the information printed on the last (wasted) form so that it may be printed on the new stock.

(b) Similarly, if the option switch had been selected so that the paper-out is gated with end of form (SWE9-9 Open), all the information would be sent, but the form would not move past the print line as the tractors end about 3-1/2 inches from the print line. Again, data retrieved of the last form's data would be required.

4.27 This modification kit is intended to operate the form out switch about 11 inches from the print line so that with the option switch set as in (b) of the preceding paragraph, data being sent will be correctly printed on a form and no partial information will be printed on the last form.

4.28 This modification kit will operate as intended with forms up to and including 11 inches long. Forms longer than 11 inches will again be subjected to the condition explained. Forms shorter than 11 inches may result in more than one form being "wasted" at the end of a box. (Example: Using five-inch forms will result in the loss of the last two forms.)

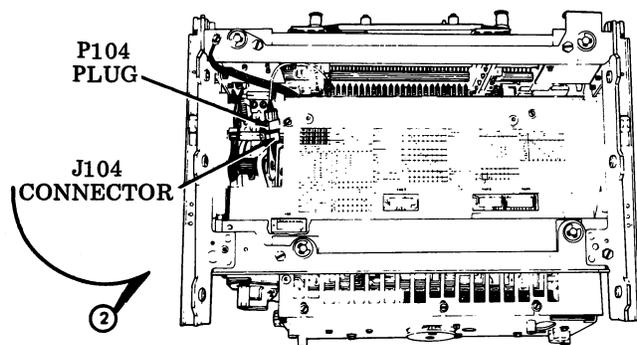
4.29 The 406374 modification kit consists of the following parts:

Qty	Part No.	Description
2	3606	Nut
2	198670	Screw W/Washer
1	406447	Paper-Out Assembly

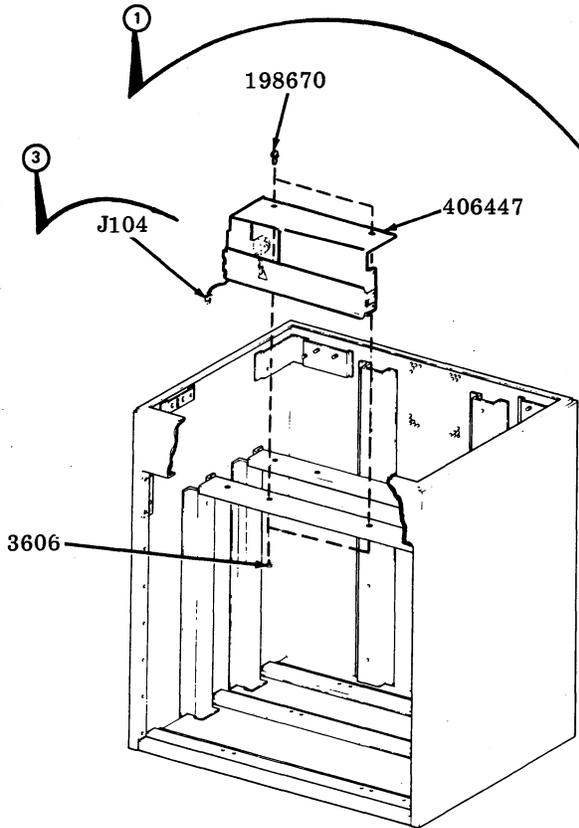
Assembly

4.30 Assembly of the 406374 modification kit requires the following steps:

- ① Take the 406447 paper-out switch assembly and mount to the front printer support bar using two 198670 screws with washers and two 3606 nuts in the holes provided. The bracket should be on top of the bar and the assembly should extend downward.
- ② Disconnect the cable leading from the paper-out switch which is mounted on the left-hand tractor from the printer cable.
- ③ Connect the cable from the new paper-out switch assembly to the printer cable.



Note: Check the Switch Adjustment.



• Reassemble by reversing assembly procedures.

Switch Adjustment

Requirement

With the lever passing from the rear guide into the front paper guide to a flush condition, the "NC" contact must be open. With the lever one stock thickness beyond flush with the front paper guide, the "NO" contact must be closed.

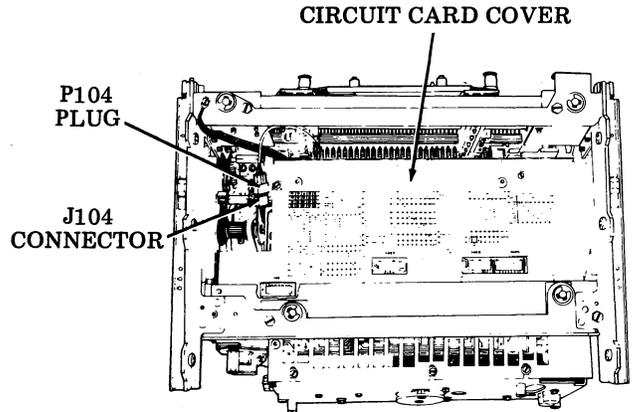
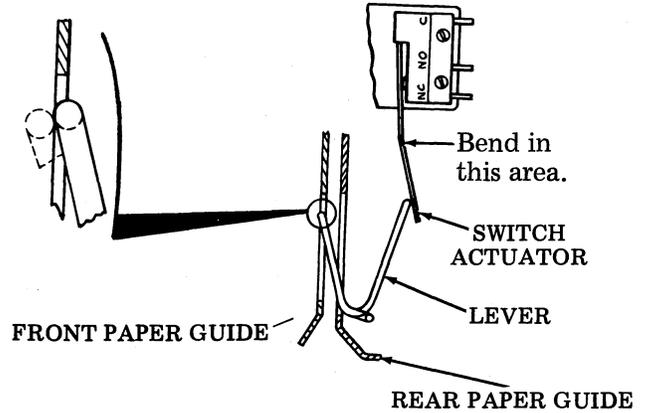
Note: Operation may be determined either by the "clicking noise" or by checking continuity across pins 1 and 4 of J104 cable connector.

To Adjust

Bend switch actuator in area shown.

Special Requirements

A stack of paper or supply box should not exceed 12-1/2 inches in height as this will cause difficulty in threading the paper through the modification kit.



Note: Refer to 5. PARTS IDENTIFICATION for hardware.

5. PARTS IDENTIFICATION

5.01 The following list contains the figure and page numbers of all the part illustrations.

FIGURE	CONTENT	PAGE
1	40CAB201/ZZ Printer Cabinet Core for Adjacent or RO Friction Feed Printer	31
1	40CAB201/ZZ Printer Cabinet Core for Adjacent or RO Friction Feed Printer (Cont)	32
1	40CAB201/ZZ Printer Cabinet Core for Adjacent or RO Friction Feed Printer (Cont)	33
1	40CAB201/ZZ Printer Cabinet Core for Adjacent or RO Friction Feed Printer (Cont)	34
2	Early Design Printer Mounting Cradle for Adjacent or RO Friction Feed Printer	34
3	40CAB251/AA Printer Under Monitor Cabinet	35
3	40CAB251/AA Printer Under Monitor Cabinet (Cont)	36
3	40CAB251/AA Printer Under Monitor Cabinet (Cont)	37
4	40CAB251/AA Printer Under Monitor Cabinet Mounting Cradle	38
5	40CAB251/AA Printer Under Monitor Cabinet Door	39
6	40CAB251/AA Printer Under Monitor Cabinet Monitor Support	40
7	40CAB201/AB Logic Adjacent Cabinet	41
7	40CAB201/AB Logic Adjacent Cabinet (Cont)	42
8	40CAB201/AB Logic Adjacent Cabinet Module, Louver, and Fan Mounting	43
9	40CAB251/ZZ Monitor Support Cabinet Core for Logic Under Monitor or Monitor/Opcon Support	44
9	40CAB251/ZZ Monitor Support Cabinet Core for Logic Under Monitor or Monitor/Opcon Support (Cont)	45
9	40CAB251/ZZ Monitor Support Cabinet Core for Logic Under Monitor or Monitor/Opcon Support (Cont)	46
10	341891 Monitor Cable – Logic Cabinet (Right Side)	47
11	341911 Monitor Cable – Printer Cabinet (Right Side)	47
12	402173 Monitor Cable (Logic Cabinet Adjacent)	48
13	405051 Monitor Cable – Logic Under Monitor, Printer Under Monitor, or Monitor Support Cabinet (Left Side)	48
14	405047 AC Input Cable Assembly – Logic Under Monitor or Adjacent Logic Cabinet	49
15	405048 AC Input Cable Assembly – Adjacent or RO Friction Feed Printer Cabinet and Logic Adjacent	49
16	405049 AC Input Cable Assembly – Printer Under Monitor Cabinet	49
17	400621 SSI Cable Assembly for Friction Feed Printer Under Monitor Cabinet	50
18	400568 Cable Assembly (Opcon) for RO Friction Feed Printer Cabinet	51
18	400620 Cable Assembly (Opcon) for Printer Under Monitor Cabinet	51
19	400598 Interlock Cable Assembly for Friction Feed Printer Cabinet	52
20	405050 AC Distribution Assembly (Early Design)	53
21	407090 AC Distribution Assembly	54
22	40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 80-Column	55
22	40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 80-Column (Cont)	56
22	40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 80-Column (Cont)	57
22	40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 80-Column (Cont)	58

5. PARTS IDENTIFICATION (Cont)

FIGURE	CONTENT	PAGE
23	40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 132-Column	59
23	40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 132-Column (Cont)	60
23	40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 132-Column (Cont)	61
23	40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 132-Column (Cont)	62
24	Pads Used on 40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 80-Column	63
25	Pads Used on 40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 132-Column	63
26	Interlock and Paper Alarm for 80- and 132-Column Tractor Feed Printer Cabinets	64
27	Cradle and Latch Mechanism for Adjacent or RO Tractor Feed Printer	65
28	403892 AC Cable Assembly – Tractor Feed Printer Cabinet	66
29	408051 Modification Kit to Provide Logic Under Monitor Cabinet With Late Design Ventilation Assembly	66
30	405562 Modification Kit for Monitor/Opcon Support Cabinet.	67
31	405563 Modification Kit Used on 40CAB251/ZZ Cabinet to Form a 40CAB251/AB Cabinet	68
31	405563 Modification Kit Used on 40CAB251/ZZ Cabinet to Form a 40CAB251/AB Cabinet (Cont)	69
32	406047 Modification Kit Used on 40CAB251/ZZ Cabinet to Form a 40CAB251/AE Cabinet	70
33	405671 (40CAB353/ZZ – 132-Column), 407025 (40CAB351/ZZ – 80-Column) and 407026 (40CAB351/ZZ – 80-Column) Modification Kits	71
34	407024 EIA Integrated Controller Modification Kit for 40CAB351/ZZ (80-Column) and 40CAB353/ZZ (132-Column) Cabinets	72
35	407042 Modification Kit for Adjacent Friction Feed Printer Cabinet and 407043 Modification Kit for RO Friction Feed Printer Cabinet	73
36	407200 Modification Kit to Facilitate Handling Single-Ply Fanfold Paper.	74
37	407202 Dome Counterbalance Modification Kit for 80-Column Tractor Feed Cabinets	74
38	40CAB371/ZZ Printer Cabinet Core for Noise Reduced Friction Feed Cabinet	75
38	40CAB371/ZZ Printer Cabinet Core for Noise Reduced Friction Feed Cabinet (Cont).	76
38	40CAB371/ZZ Printer Cabinet Core for Noise Reduced Friction Feed Cabinet (Cont).	77
38	40CAB371/ZZ Printer Cabinet Core for Noise Reduced Friction Feed Cabinet (Cont).	78
39	407100 and 407102 Modification Kits for 40CAB371/ZZ Cabinets	79
40	407101 Modification Kit for 40CAB371/ZZ Cabinet	80
40	407101 Modification Kit for 40CAB371/ZZ Cabinet (Cont)	81
41	40CAB901 Series Cabinet (Late Design)	82
42	40CAB901 Series Cabinet (Early Design)	83
43	Pedestal Door Components	84
44	407285 AC Distribution Assembly (Late Design).	85
45	401665 AC Distribution Panel Assembly (Early Design)	86

SECTION 582-212-700

5. PARTS IDENTIFICATION (Cont)

FIGURE	CONTENT	PAGE
46	407378 RO Module Assembly for 40CAB901/AF Cabinet (Air-flow Through Rear)	87
47	KDP Module Assembly for 40CAB901/AG Cabinet (Air-flow Through Rear)	87
48	401643 RO Controller Cable Assembly	88
49	408050 Ventilation Assembly	89
50	408030 Fan Guard Assembly	89
51	408053 Modification Kit to Provide Ventilation Assembly to 40CAB901/AF, AG (Air-flow Through Bottom) and 40CAB902/AB Cabinets	90
52	408054 Modification Kit to Provide Ventilation Assembly to 40CAB901/AF and AG (Air-flow Through Rear)	90
53	401725 Modification Kit to Provide a Pedestal Type DATASPEED 40 Cabinet With Data Set 202D or 202R Mounting Facilities (40CAB901/XX)	91
54	408045 Modification Kit to Provide a Pedestal With AC Power Distribution, Terminal Block, Transformer Mounting Facility and Cable Storage	91
55	408047 Modification Kit to Provide Cable Storage Facilities	92
56	408049 Modification Kit to Provide Warning Latch and Label	92
57	40CAB902/XX Cabinet (Pedestal Type)	93
58	Pedestal Door and Module	94
59	40CAB902 and 40CAB904 Pedestal	95
60	401200 DATASPEED 40 Copyholder	96
61	403567 Holder Assembly for Mounting a Data Set 202S or 202T to a Pedestal Type DATASPEED 40 Cabinet	97
62	Mounting for 345630 EIA Terminal Switch Assembly	98
63	40BSE101 Monitor Base	99
64	405614 AC Distribution Assembly	100
65	40BSE201 Operator Console (KD) Base	101
66	40BSE202 Operator Console (KD) Wide Base	102
67	Interconnecting Cables for KDP and RO Sets	103
68	341893 Monitor Extension Cable Assembly	104
69	341895 Printer Extension Cable Assembly	104
70	341896 Data Set Cable Assembly	105
71	401640 Printer Extension Cable Assembly	105
72	401641 Opcon Cable Assembly	106
73	405611 AC Cord Assembly	106
74	40CAB302/ZZ Printer Cabinet Core for Forms Access Printer Cabinet	107
74	40CAB302/ZZ Printer Cabinet Core for Forms Access Printer Cabinet (Cont)	108
74	40CAB302/ZZ Printer Cabinet Core for Forms Access Printer Cabinet (Cont)	109
74	40CAB302/ZZ Printer Cabinet Core for Forms Access Printer Cabinet (Cont)	110
75	406432 Cable Assembly	111
76	40C361 AC Distribution Assembly	112
77	Label and Label Holder for 40-Type Terminals	113
78	406374 Modification Kit to Provide Paper-Out Contact Closure 11 Inches Below Print Line in the Forms Access Printer Cabinet	114

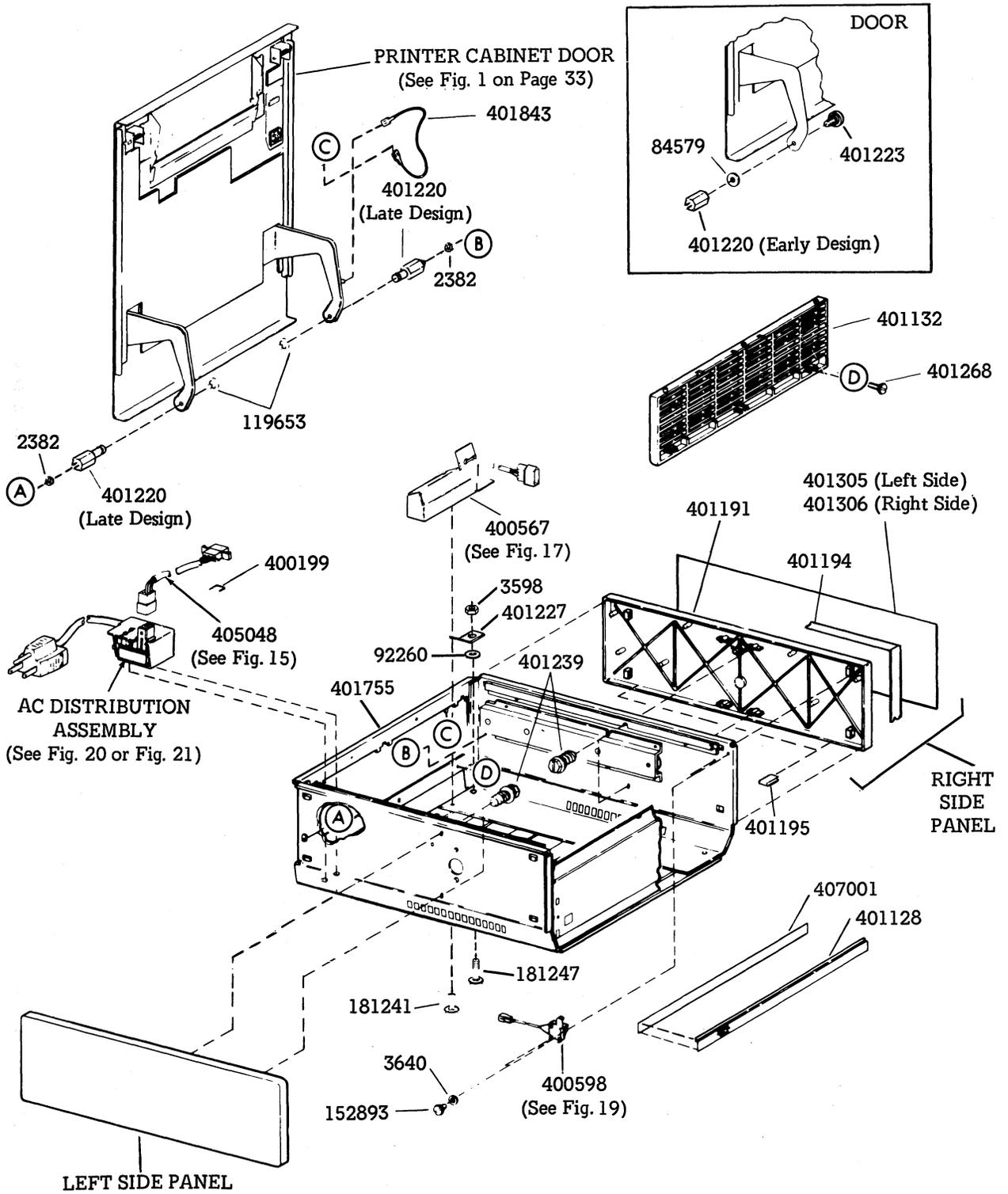


Fig. 1—40CAB201/ZZ Printer Cabinet Core for Adjacent or RO Friction Feed Printer

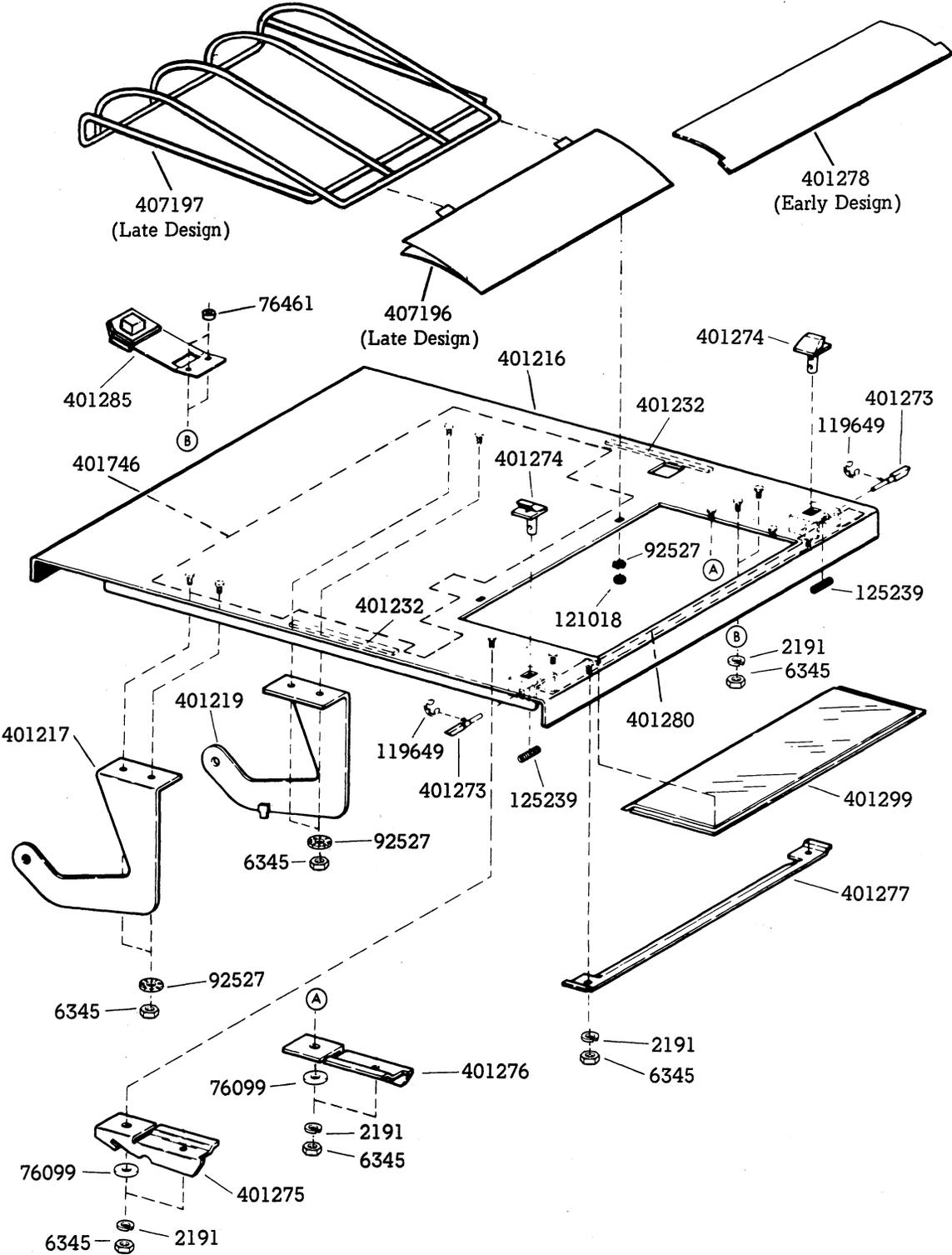


Fig. 1-40CAB201/ZZ Printer Cabinet Core for Adjacent or RO Friction Feed Printer (Cont)

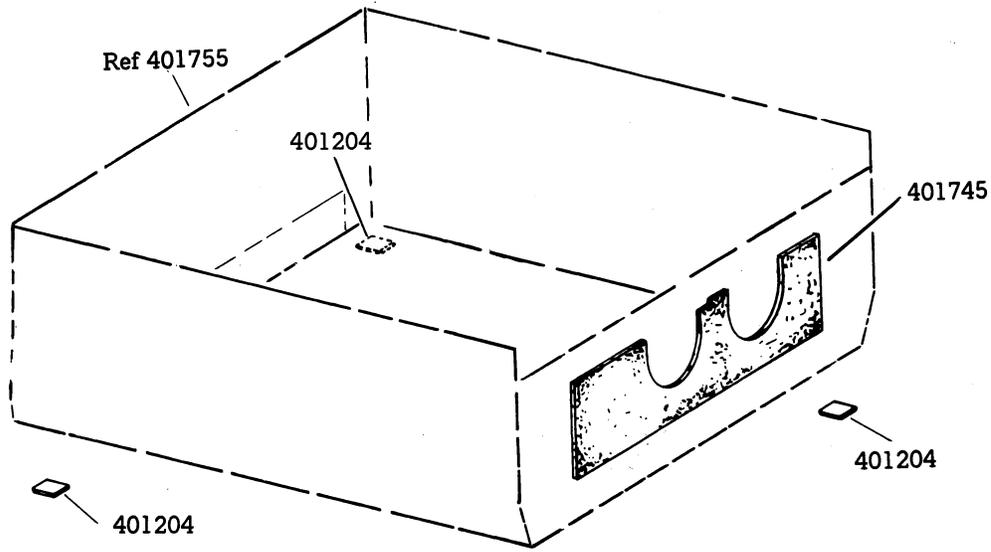


Fig. 1—40CAB201/ZZ Printer Cabinet Core for Adjacent or RO Friction Feed Printer (Cont)

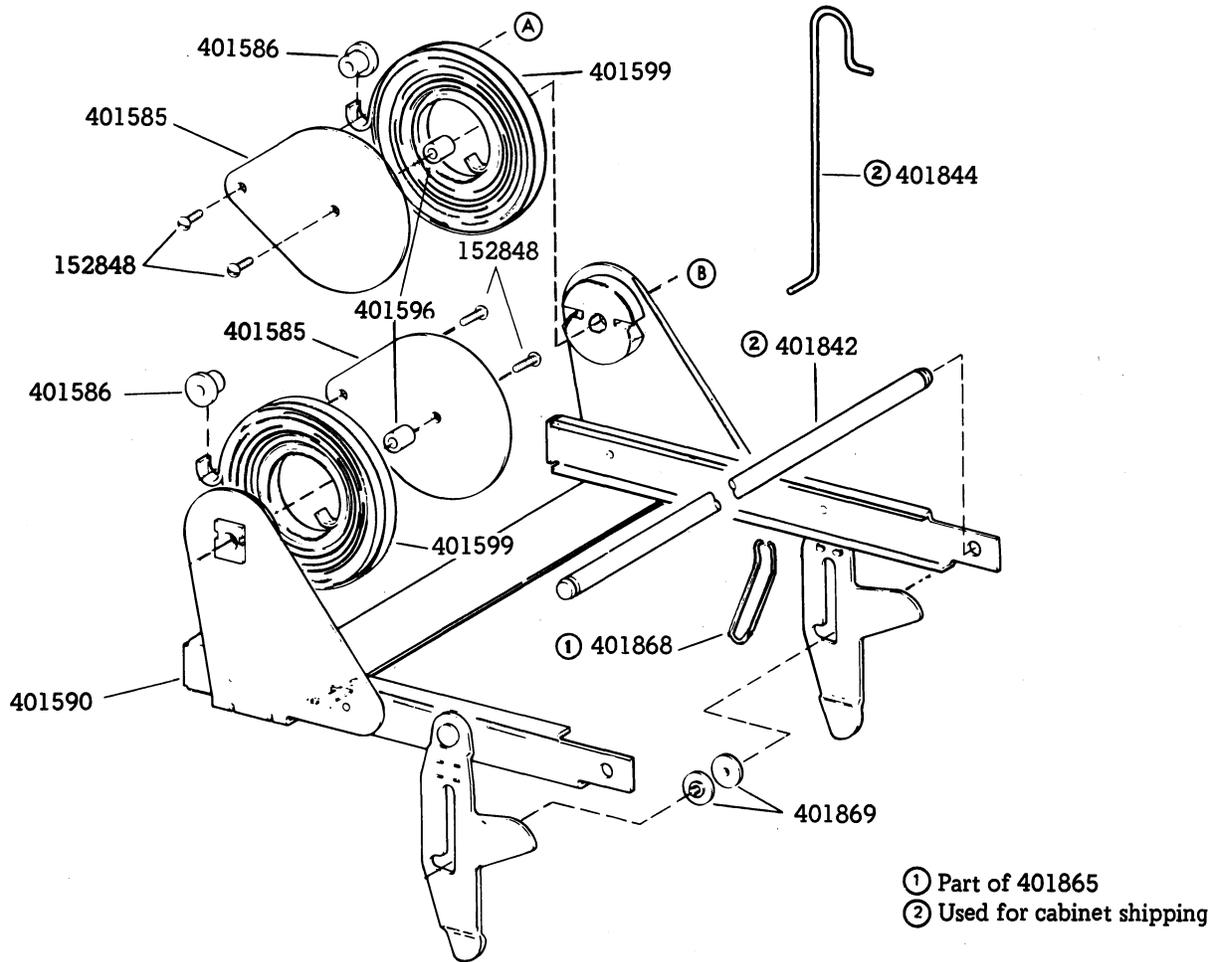


Fig. 2—Early Design Printer Mounting Cradle for Adjacent or RO Friction Feed Printer

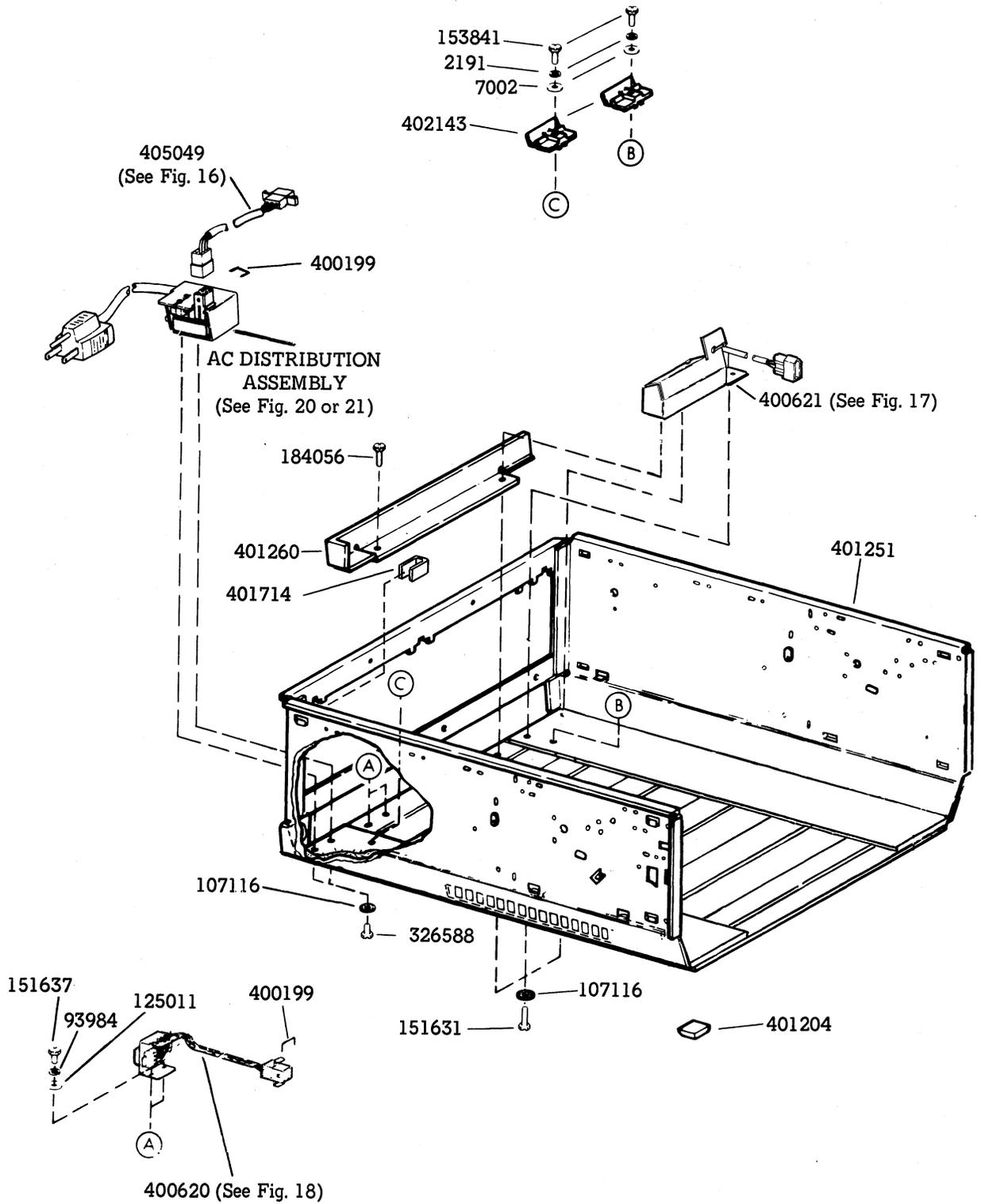


Fig. 3—40CAB251/AA Printer Under Monitor Cabinet

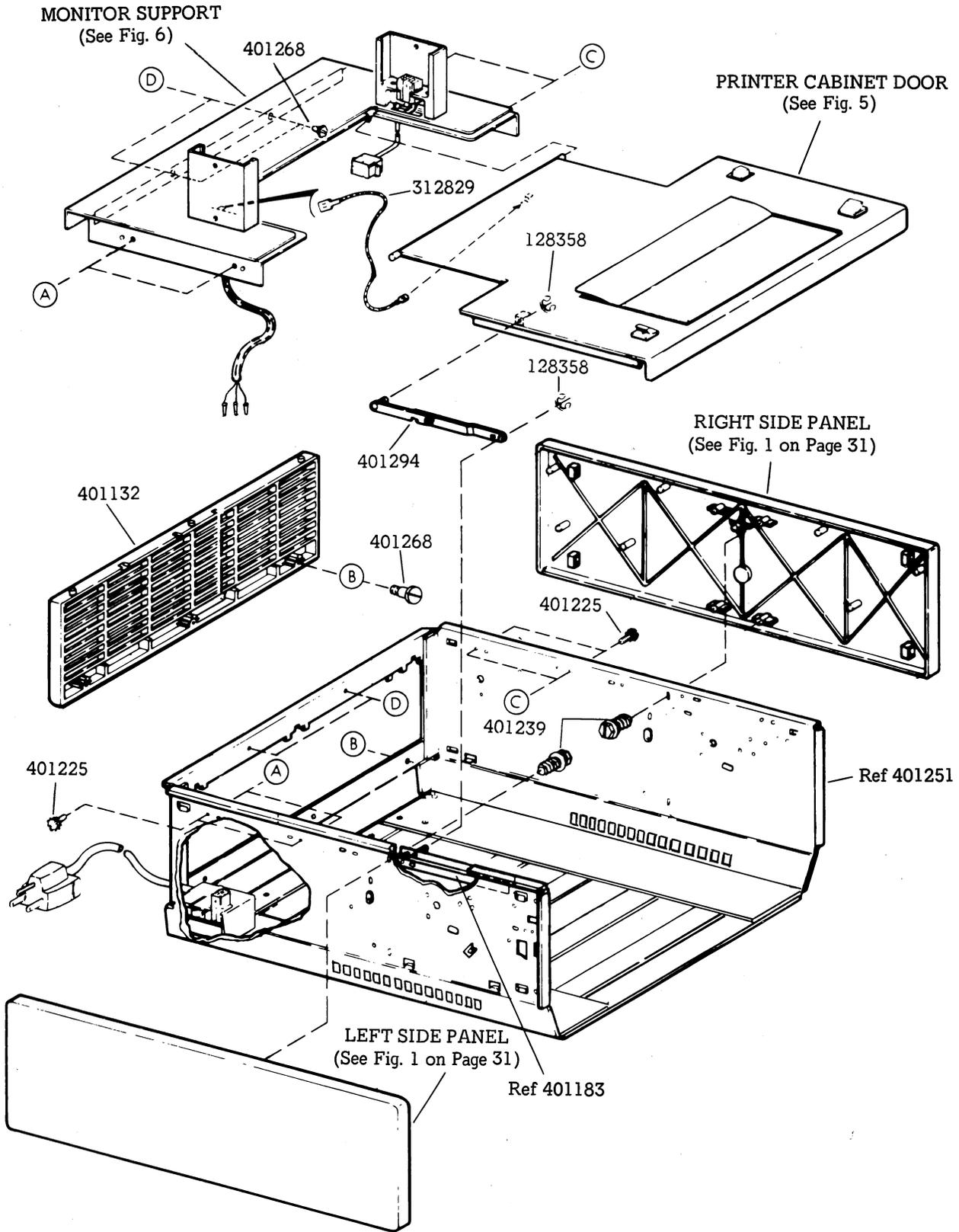


Fig. 3—40CAB251/AA Printer Under Monitor Cabinet (Cont)

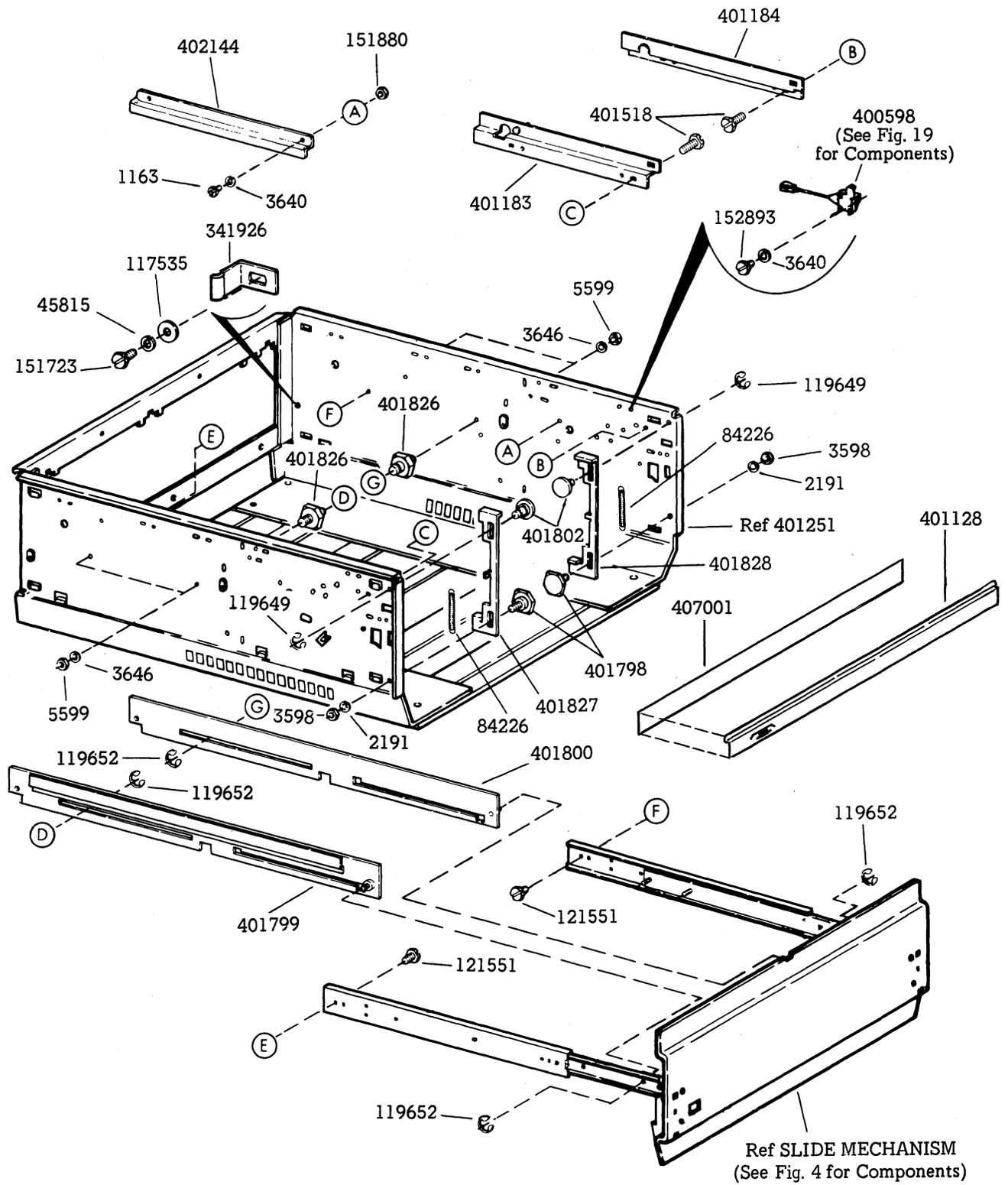


Fig. 3-40CAB251/AA Printer Under Monitor Cabinet (Cont)

SECTION 582-212-700

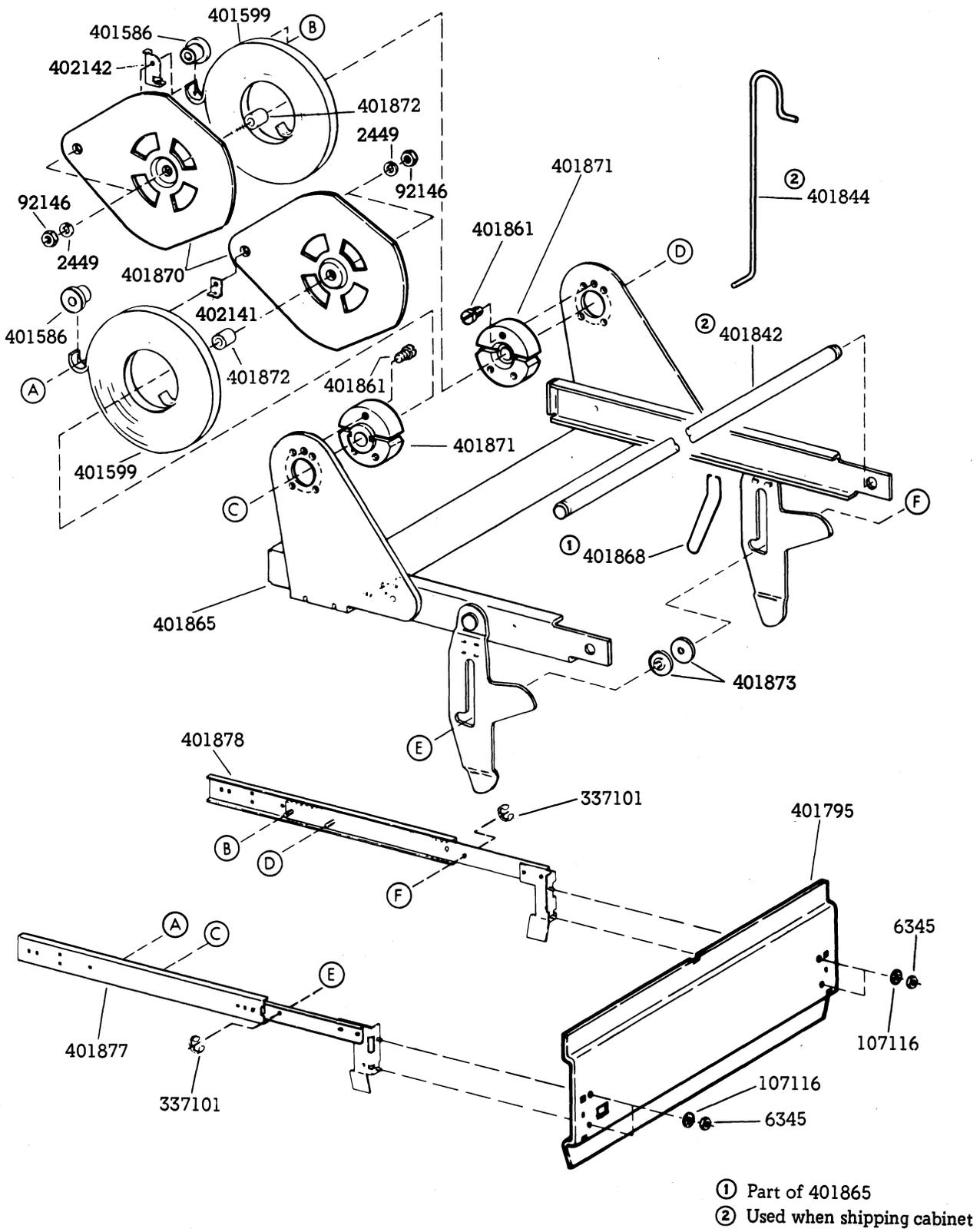


Fig. 4 - 40CAB251/AA Printer Under Monitor Cabinet Mounting Cradle

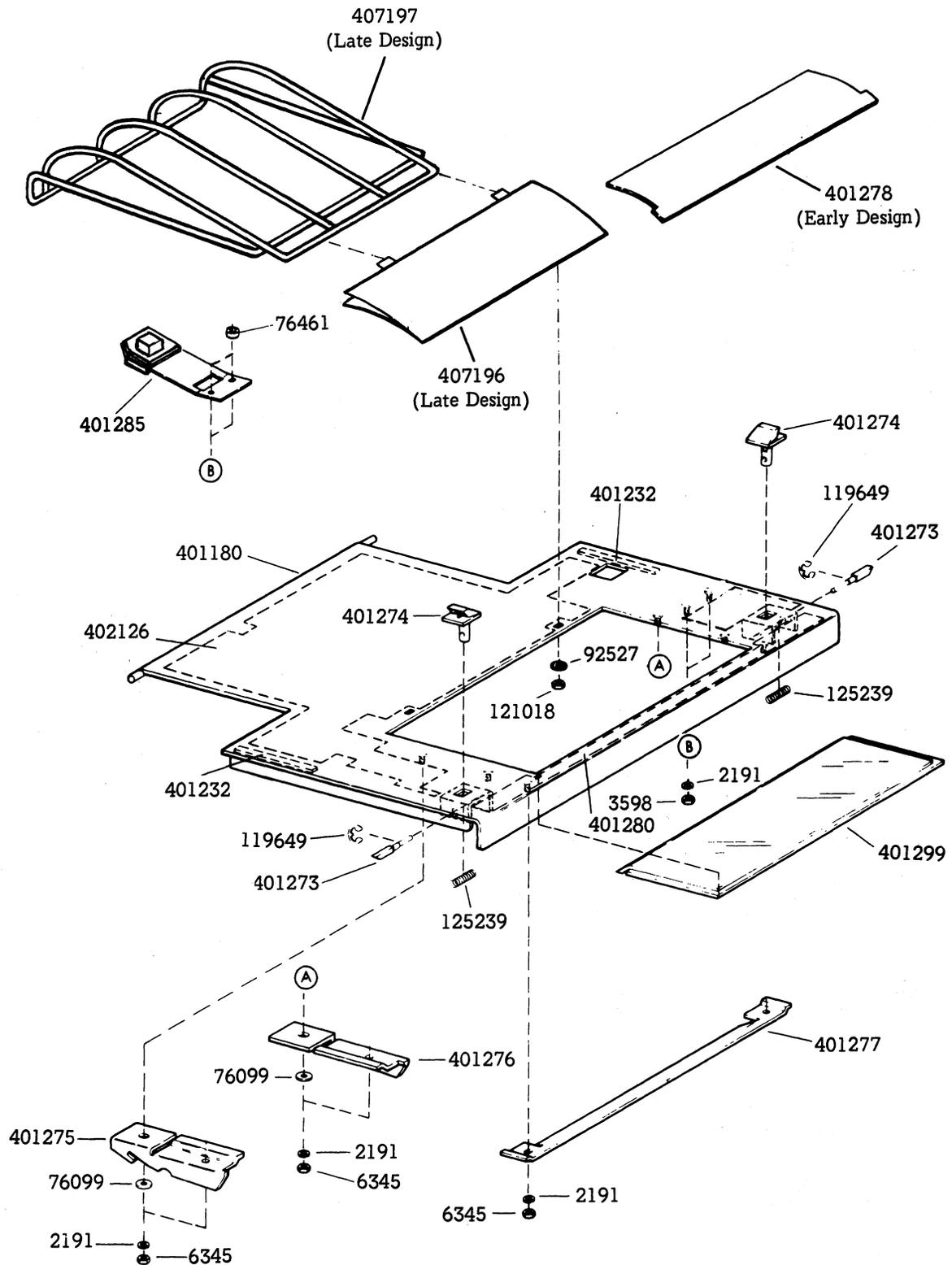


Fig. 5-40CAB251/AA Printer Under Monitor Cabinet Door

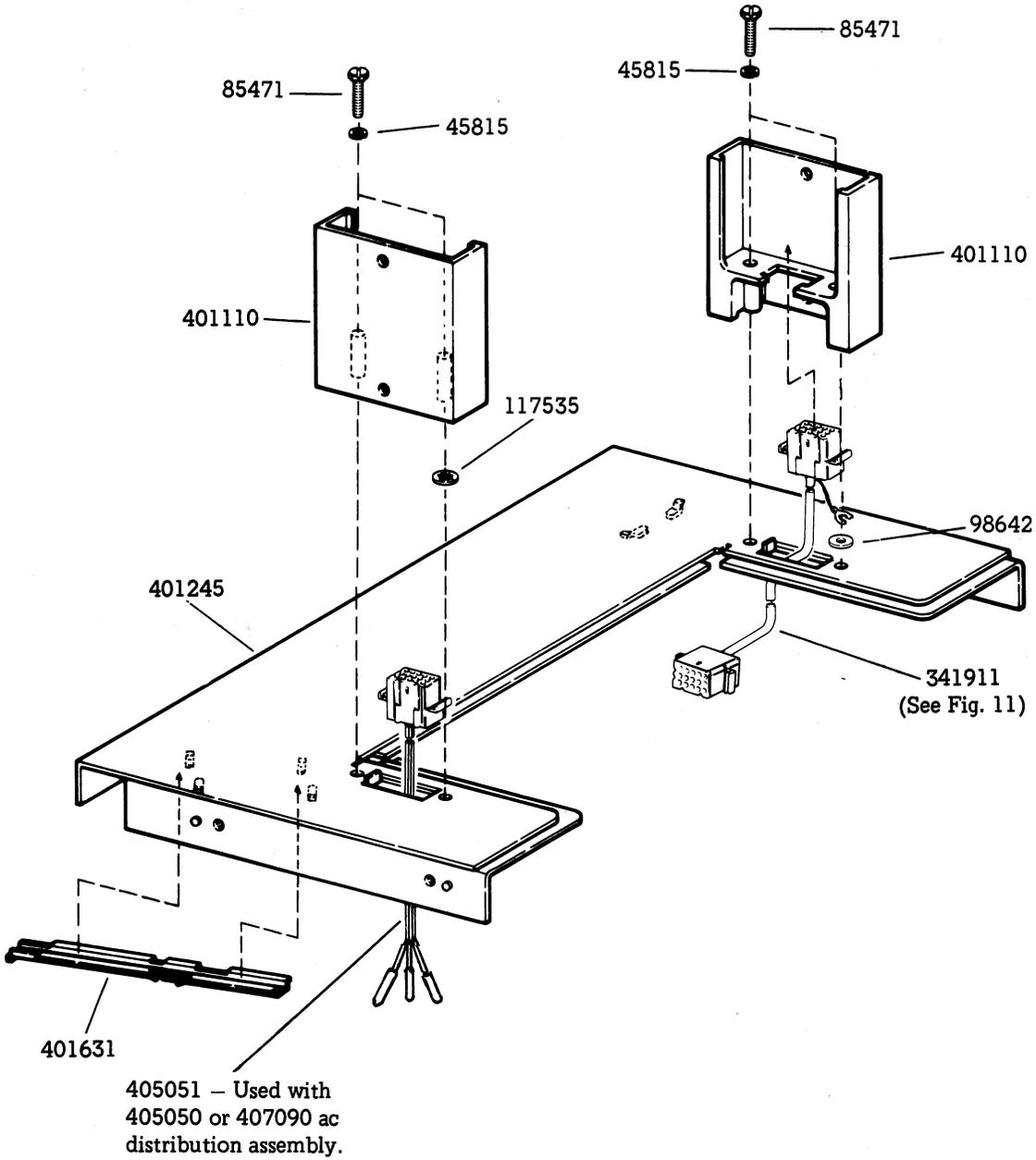


Fig. 6-40CAB251/AA Printer Under Monitor Cabinet Monitor Support

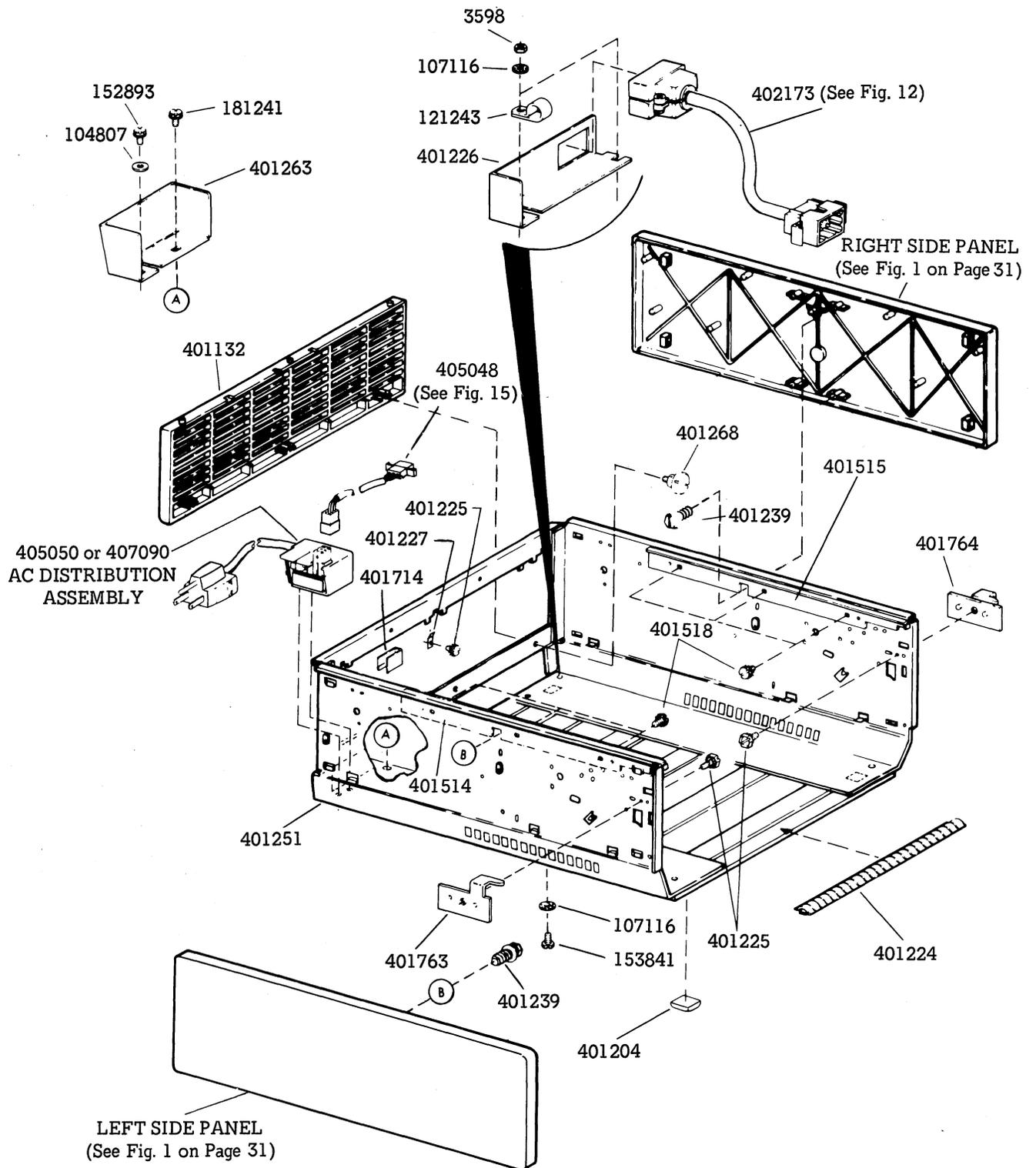


Fig. 7 - 40CAB201/AB Logic Adjacent Cabinet

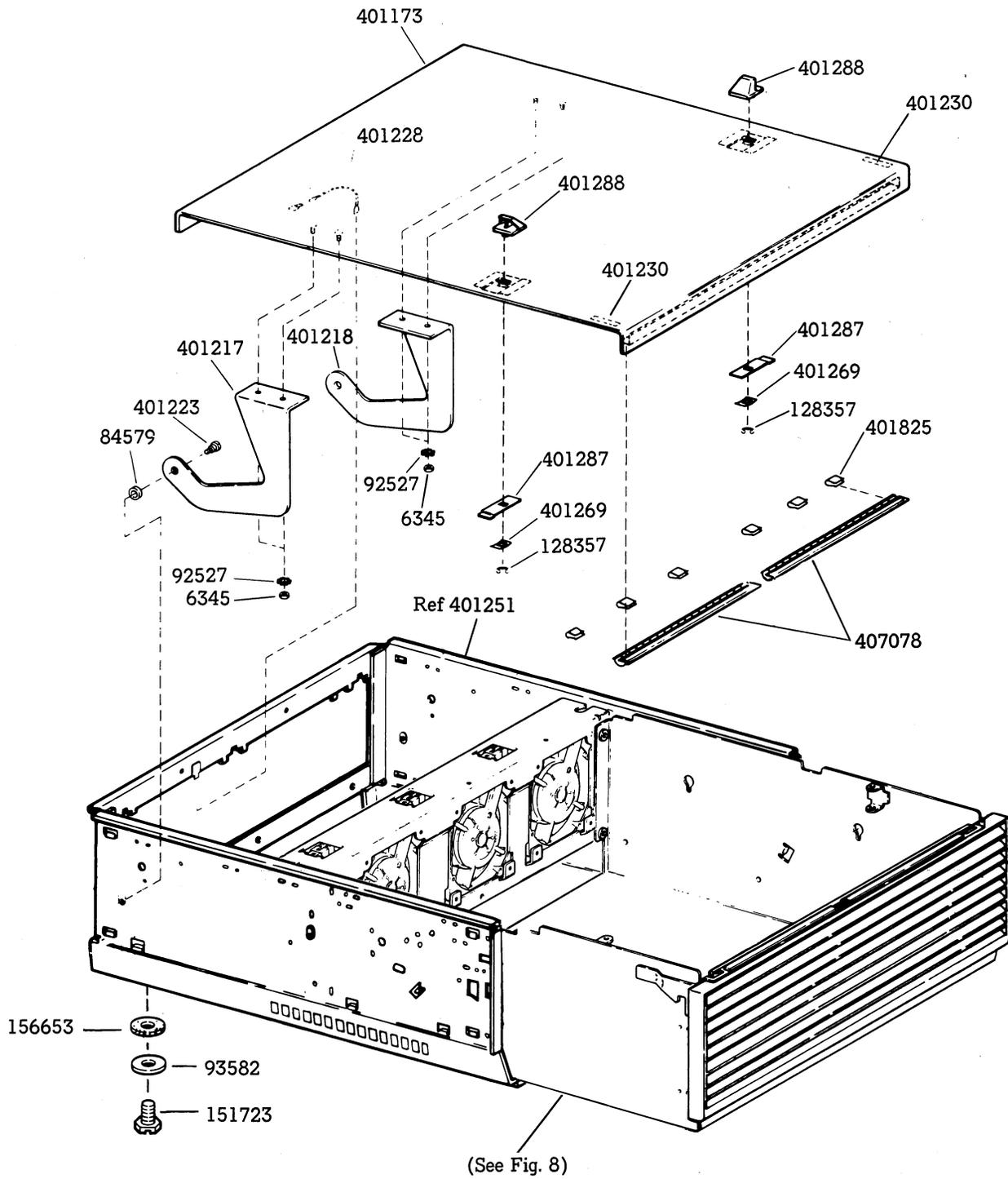


Fig. 7 - 40CAB201/AB Logic Adjacent Cabinet (Cont)

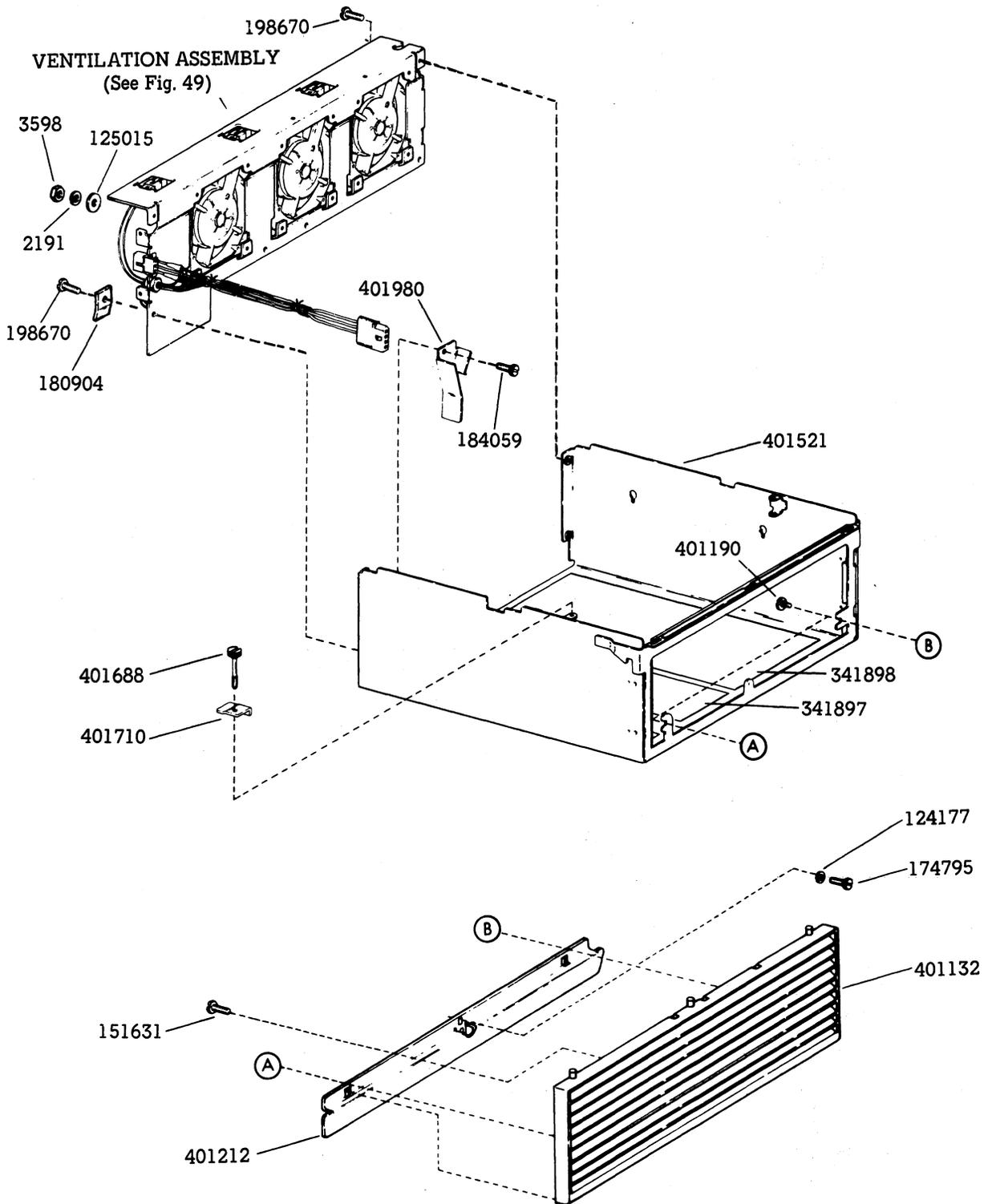


Fig. 8—40CAB201/AB Logic Adjacent Cabinet Module, Louver, and Fan Mounting

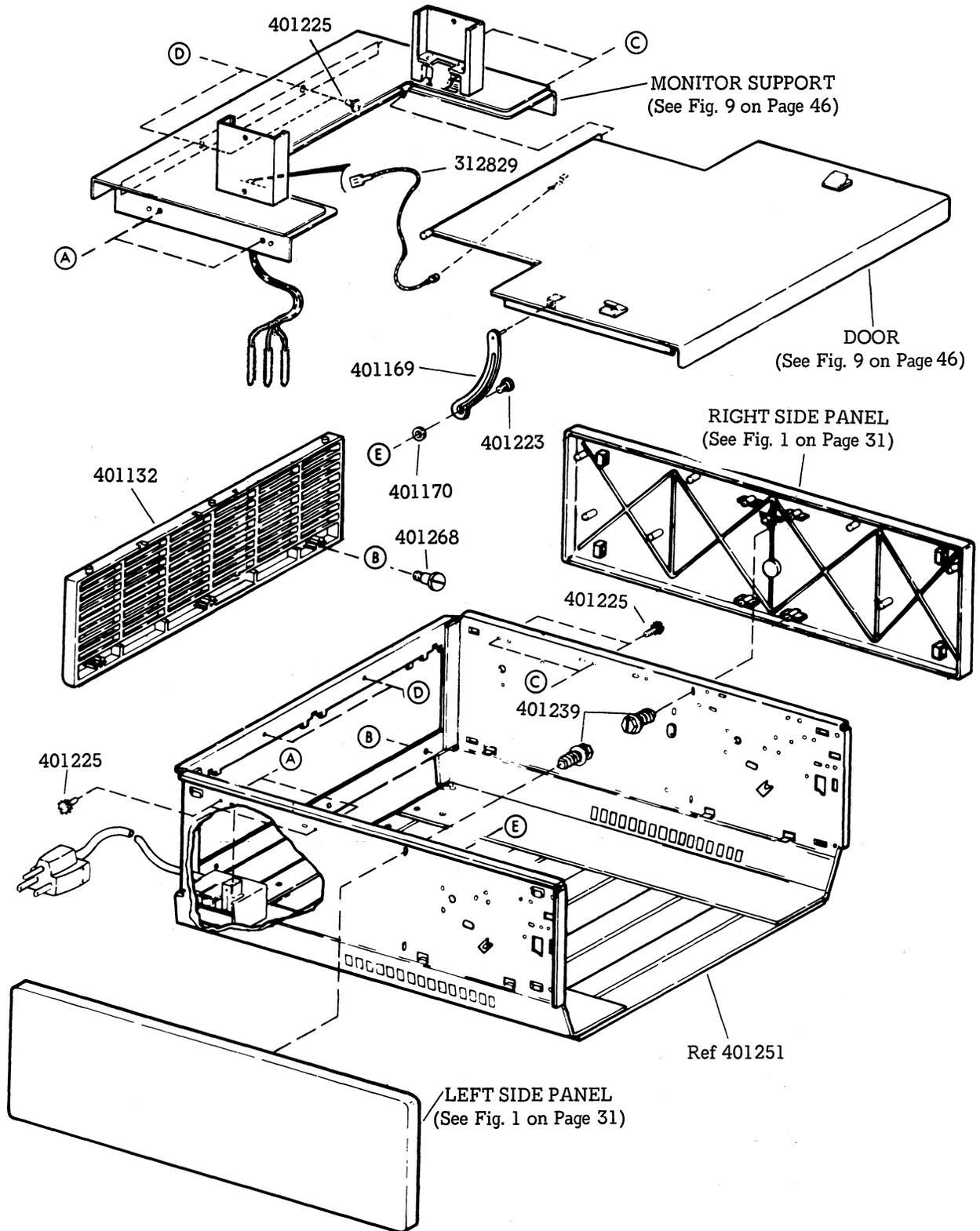


Fig. 9-40CAB251/ZZ Monitor Support Cabinet Core for Logic Under Monitor or Monitor/Opcon Support (Cont)

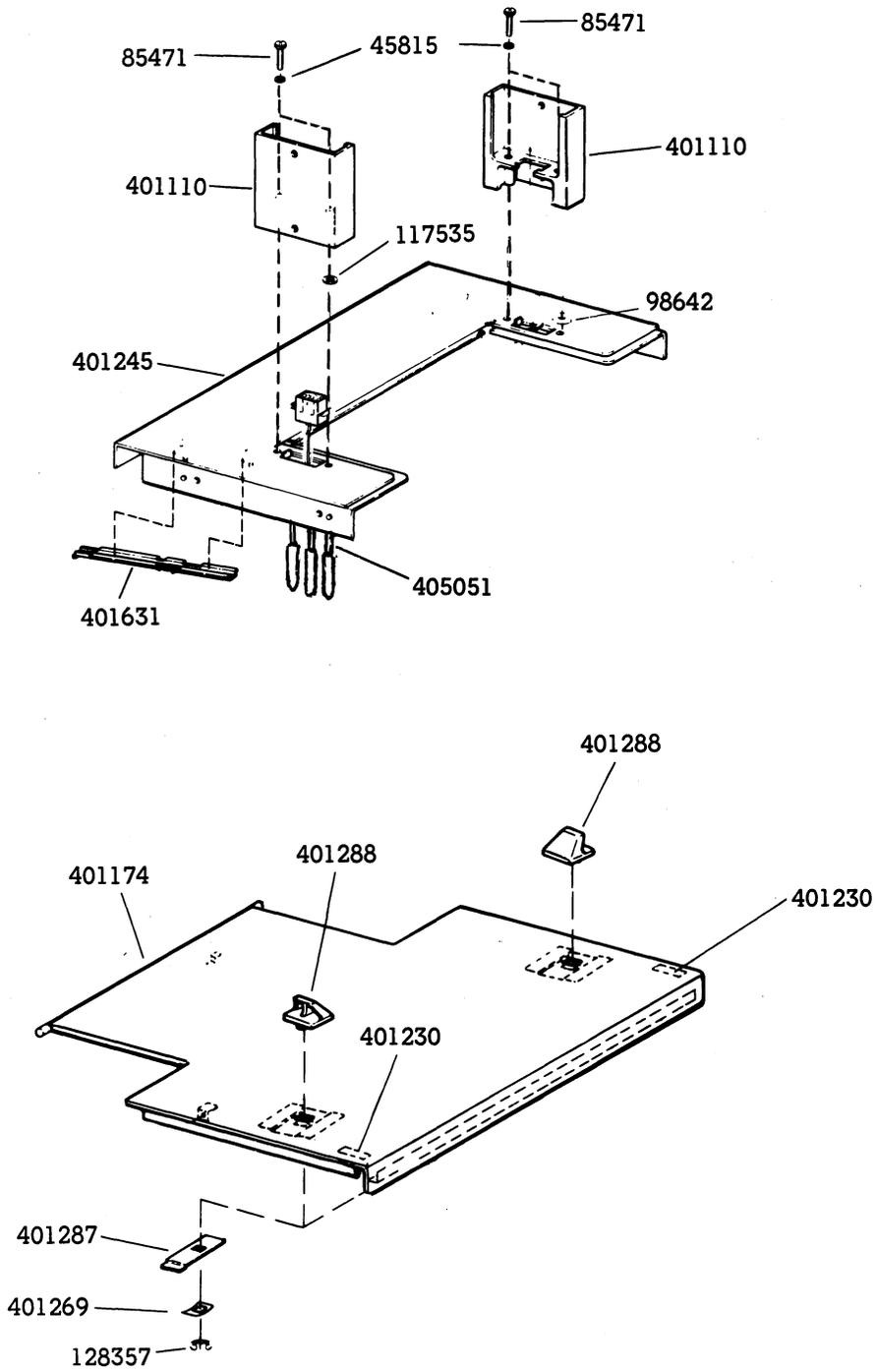


Fig. 9-40CAB251/ZZ Monitor Support Cabinet Core for Logic Under Monitor or Monitor/Opcon Support (Cont)

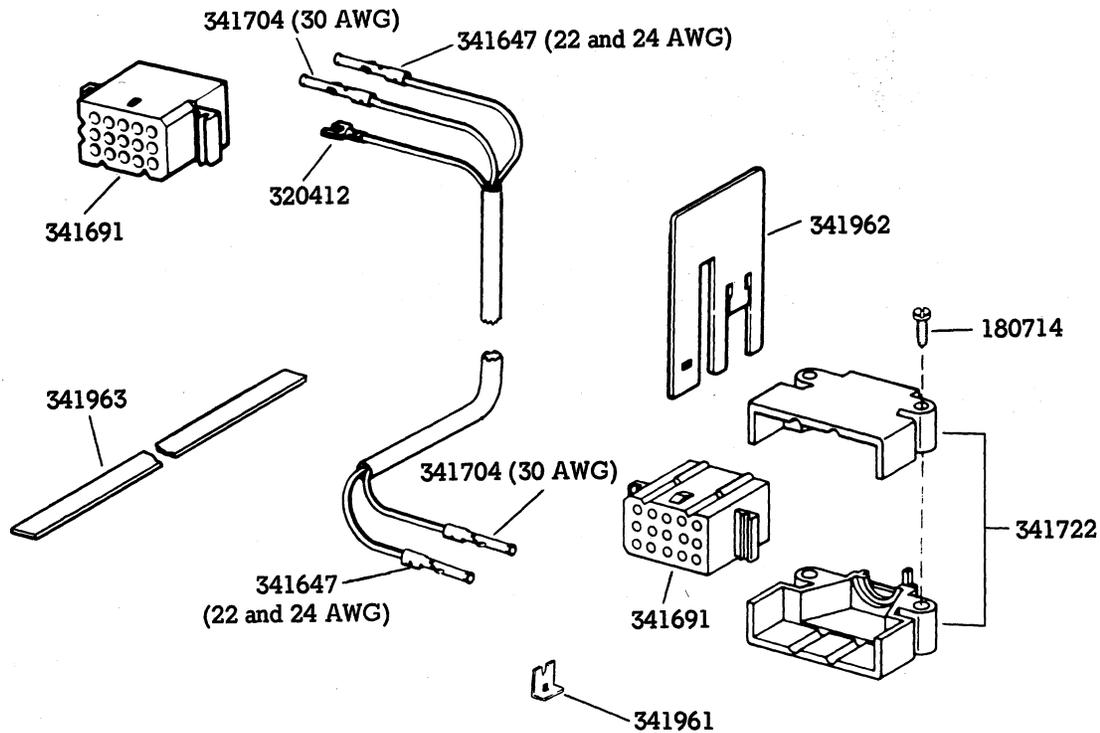


Fig. 10-341891 Monitor Cable - Logic Cabinet (Right Side)

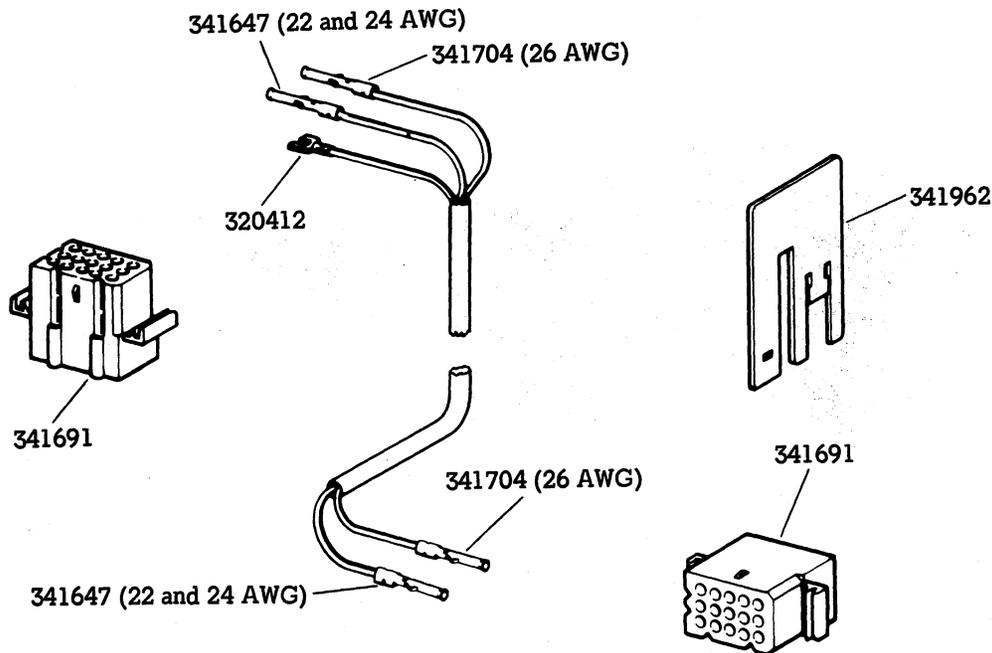


Fig. 11-341911 Monitor Cable - Printer Cabinet (Right Side)

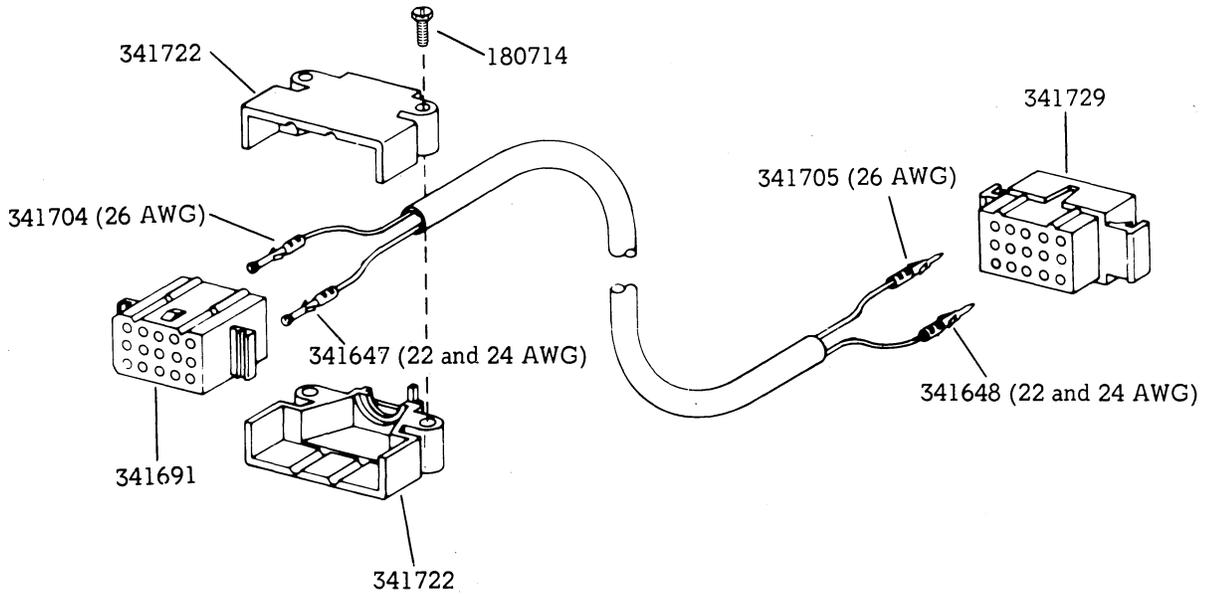


Fig. 12—402173 Monitor Cable (Logic Cabinet Adjacent)

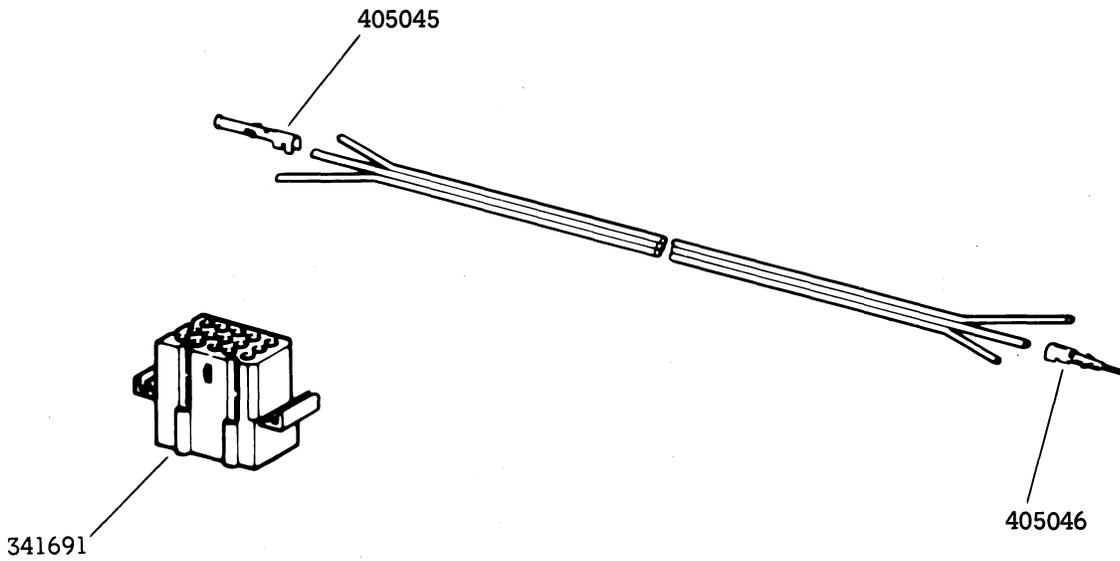


Fig. 13—405051 Monitor Cable – Logic Under Monitor, Printer Under Monitor, or Monitor Support Cabinet (Left Side)

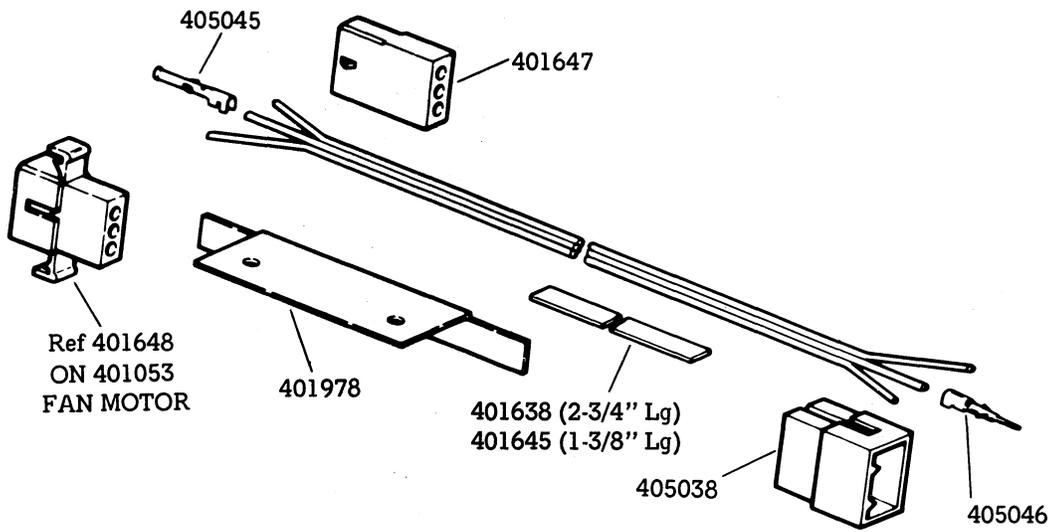


Fig. 14—405047 AC Input Cable Assembly – Logic Under Monitor or Adjacent Logic Cabinet

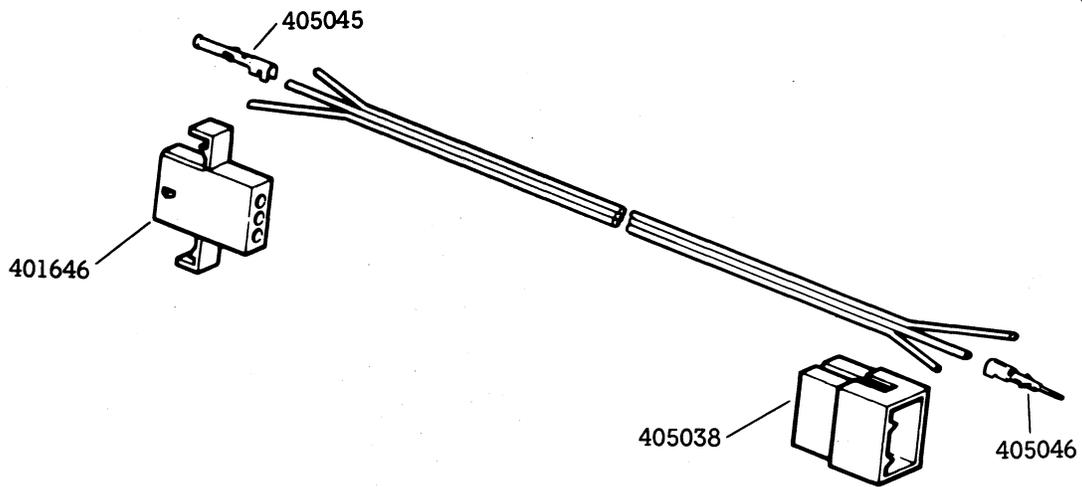


Fig. 15—405048 AC Input Cable Assembly – Adjacent or RO Friction Feed Printer Cabinet and Logic Adjacent

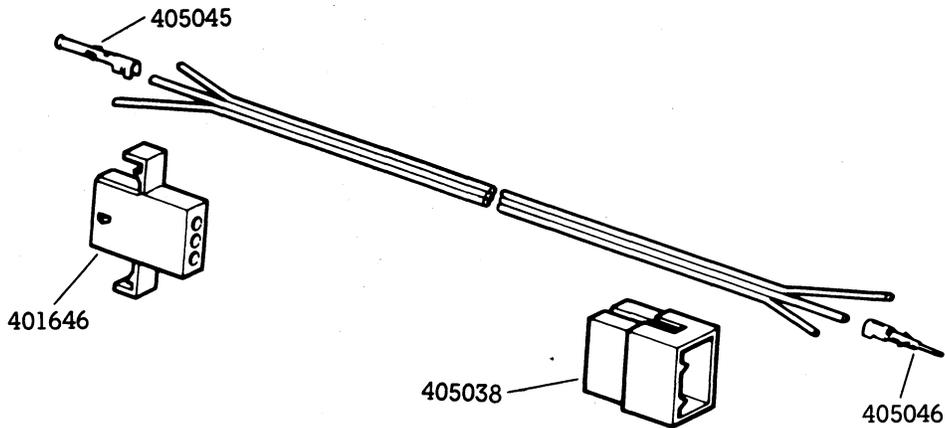


Fig. 16—405049 AC Input Cable Assembly – Printer Under Monitor Cabinet

① The 346318 cover (new) cannot be used with the early design 400567 or 400621 assemblies (which contains a 400576 bracket w/filters).

Filter Wiring Information	
Filter	Color
1	R
2	Y
3	G
4	O

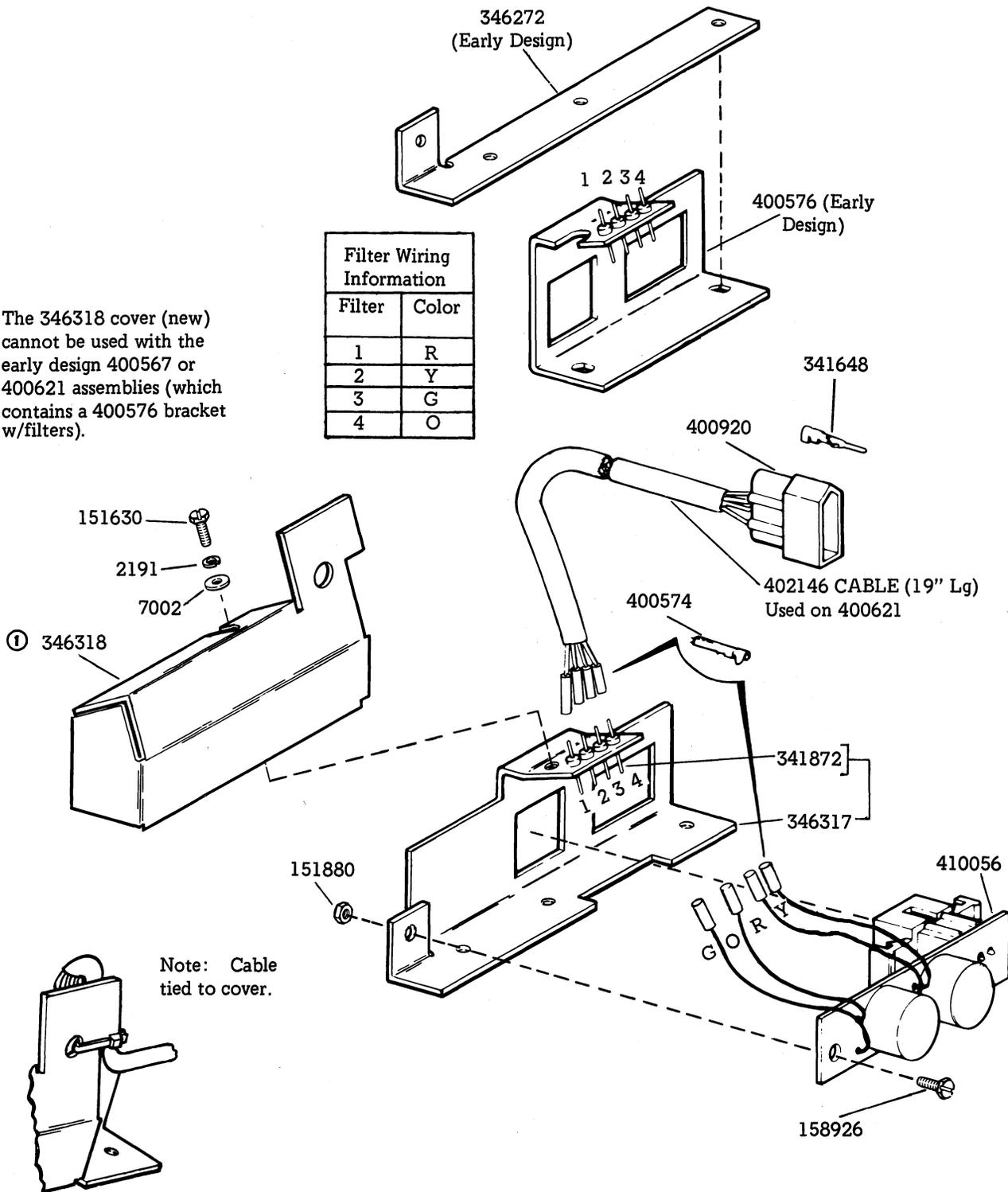


Fig. 17—400621 SSI Cable Assembly for Friction Feed Printer Under Monitor Cabinet

RUNNING LIST 400607 CABLE ASSEMBLY		
FROM CONNECTOR	TO	COLOR
1	1-L	R
2	2-L	Y
3	3-L	G
4	4-L	W-Y
6	5-L	O
7	6-L	BL
8	7-L	W

FILTER WIRING INFORMATION	
FILTER	COLOR
1	R
2	Y
3	G
4	S
5	P
5	O
6	BL
7	W
9	BK

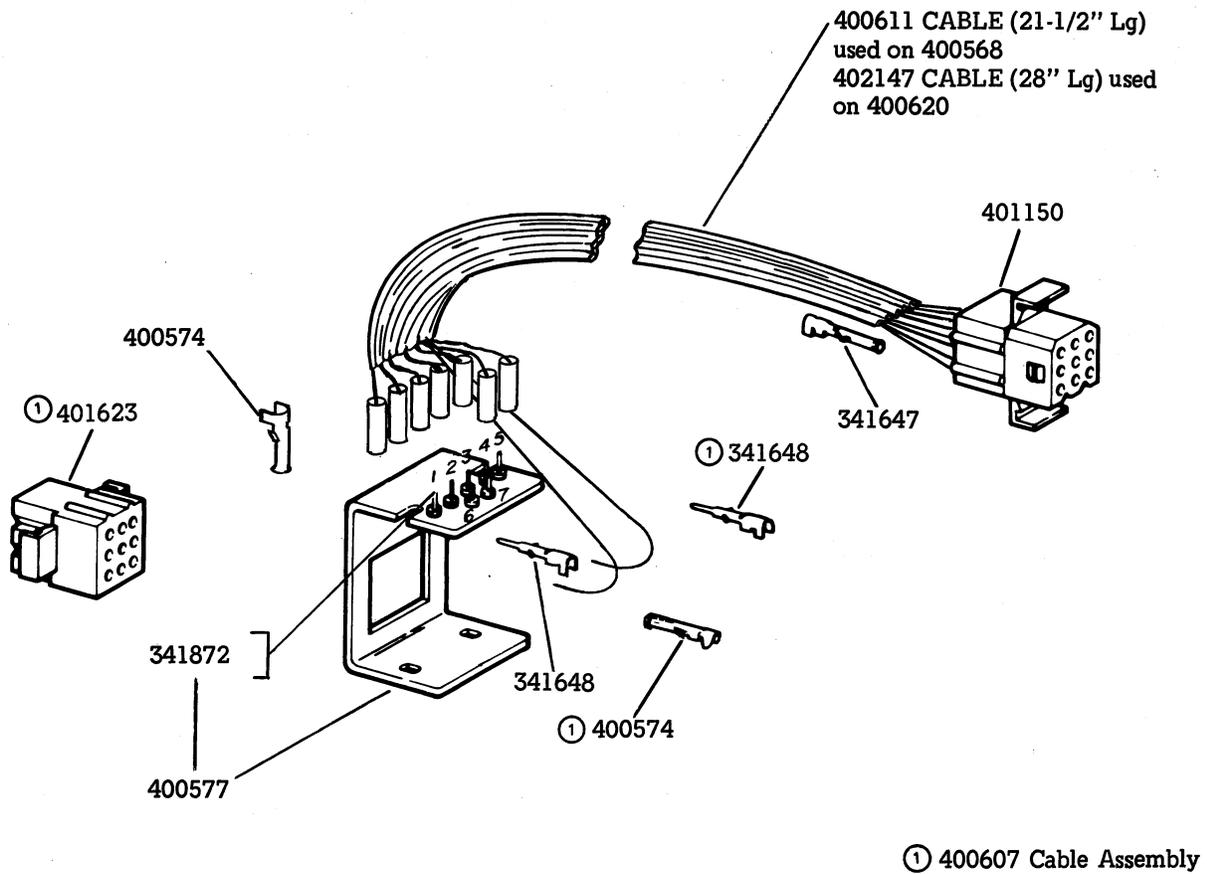


Fig. 18—400568 Cable Assembly (Opcon) for RO Friction Feed Printer Cabinet
400620 Cable Assembly (Opcon) for Printer Under Monitor Cabinet

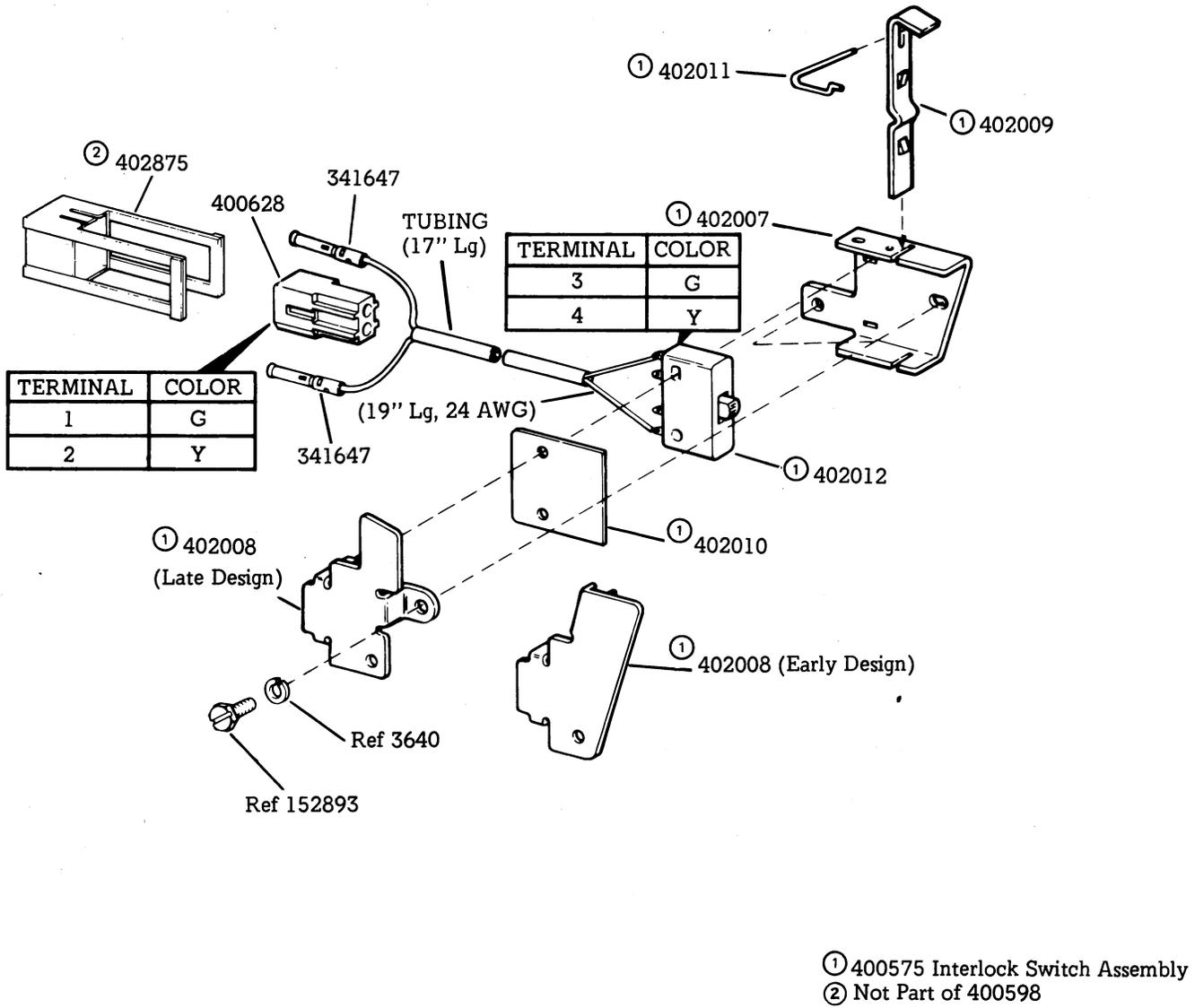


Fig. 19-400598 Interlock Cable Assembly for Friction Feed Printer Cabinet

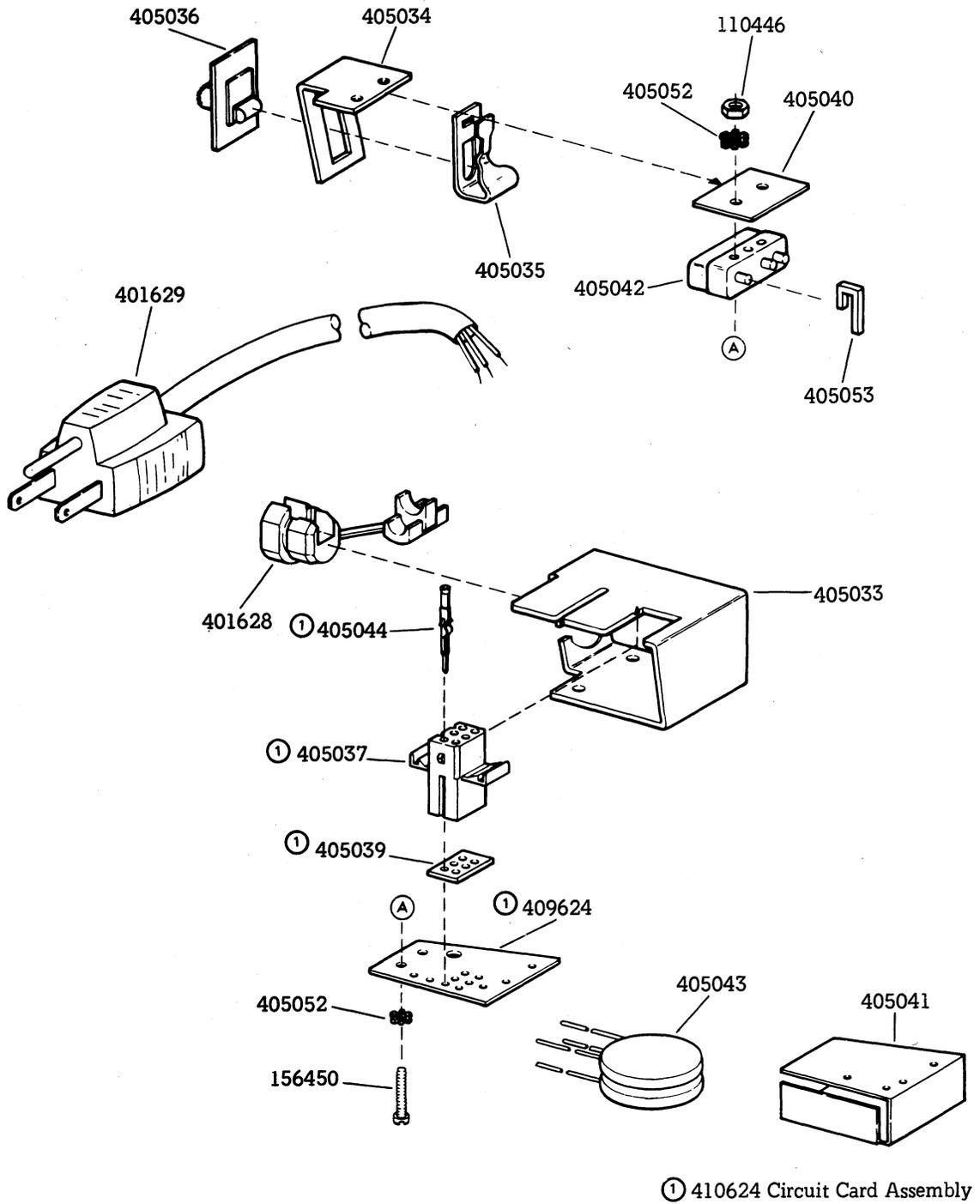


Fig. 20-405050 AC Distribution Assembly (Early Design)

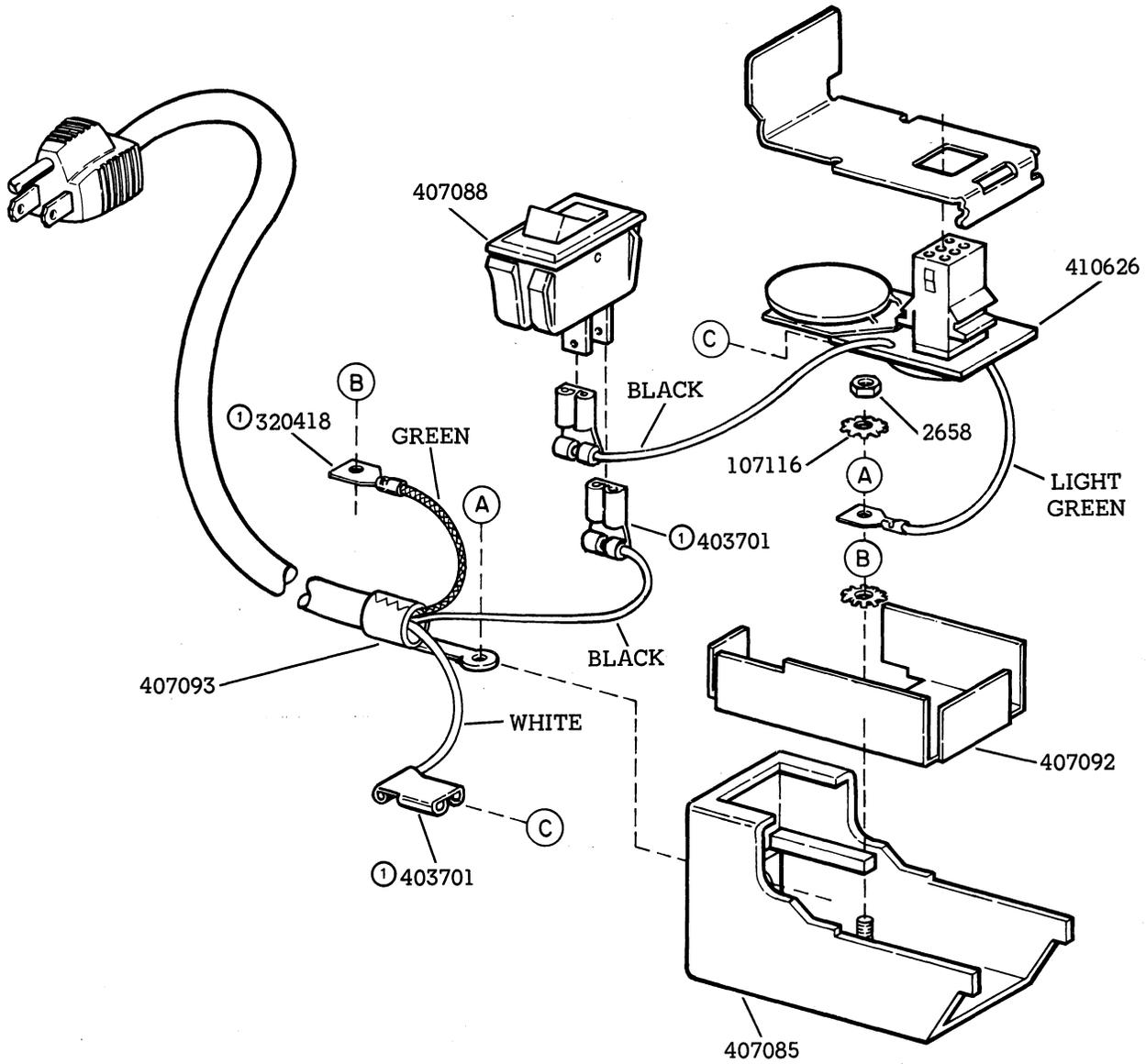


Fig. 21-407090 AC Switch Assembly (Late Design)

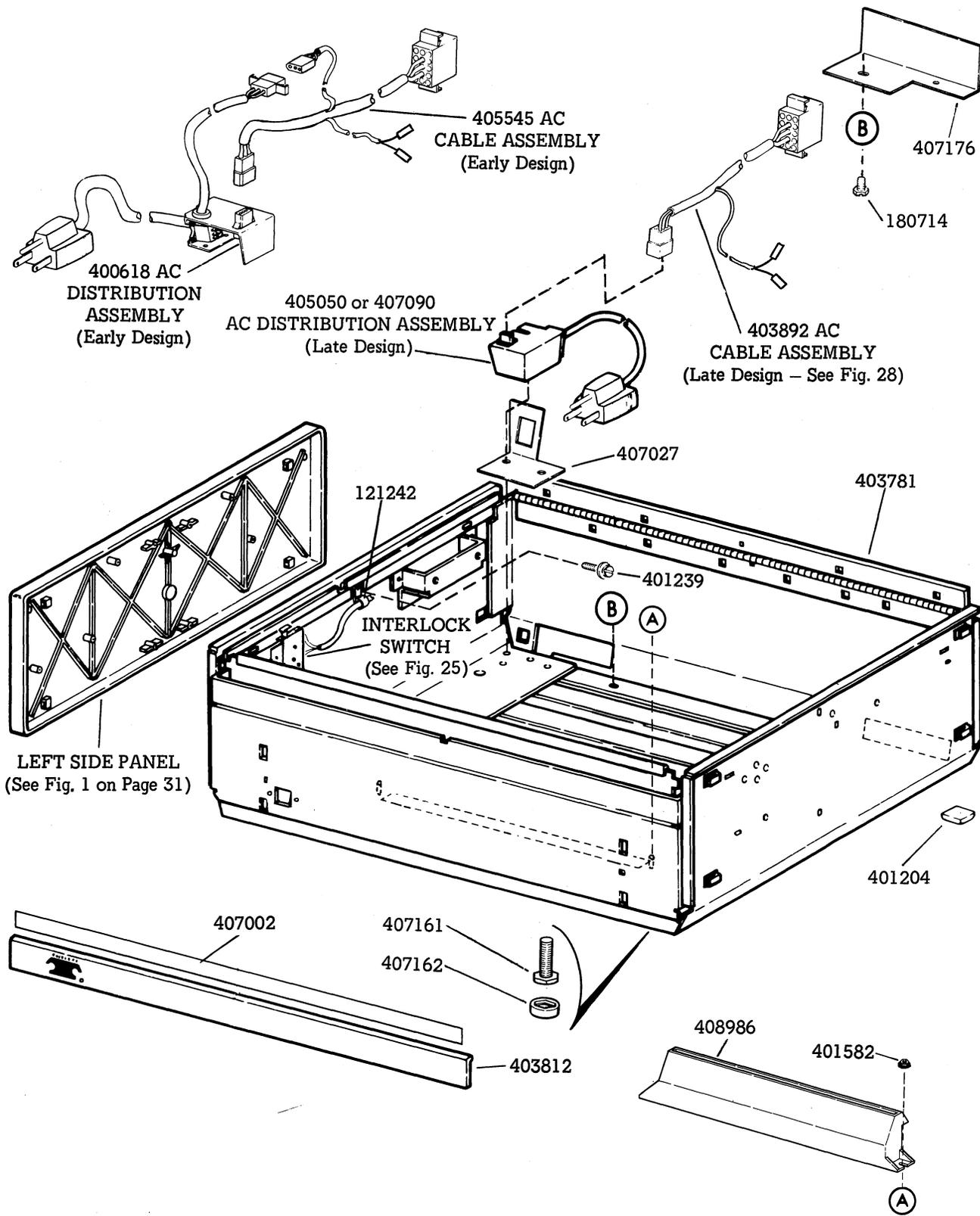


Fig. 22-40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer - 80-Column

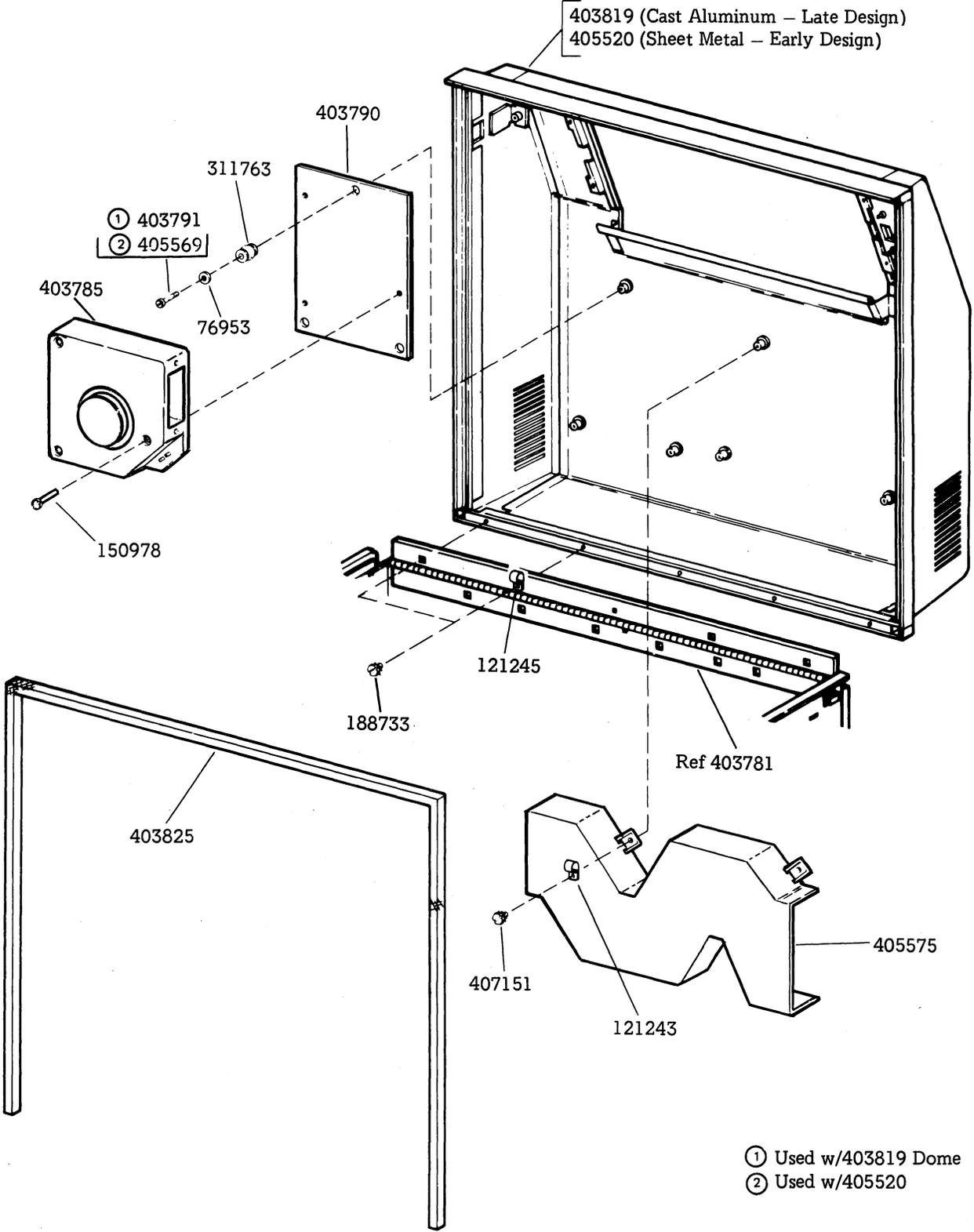
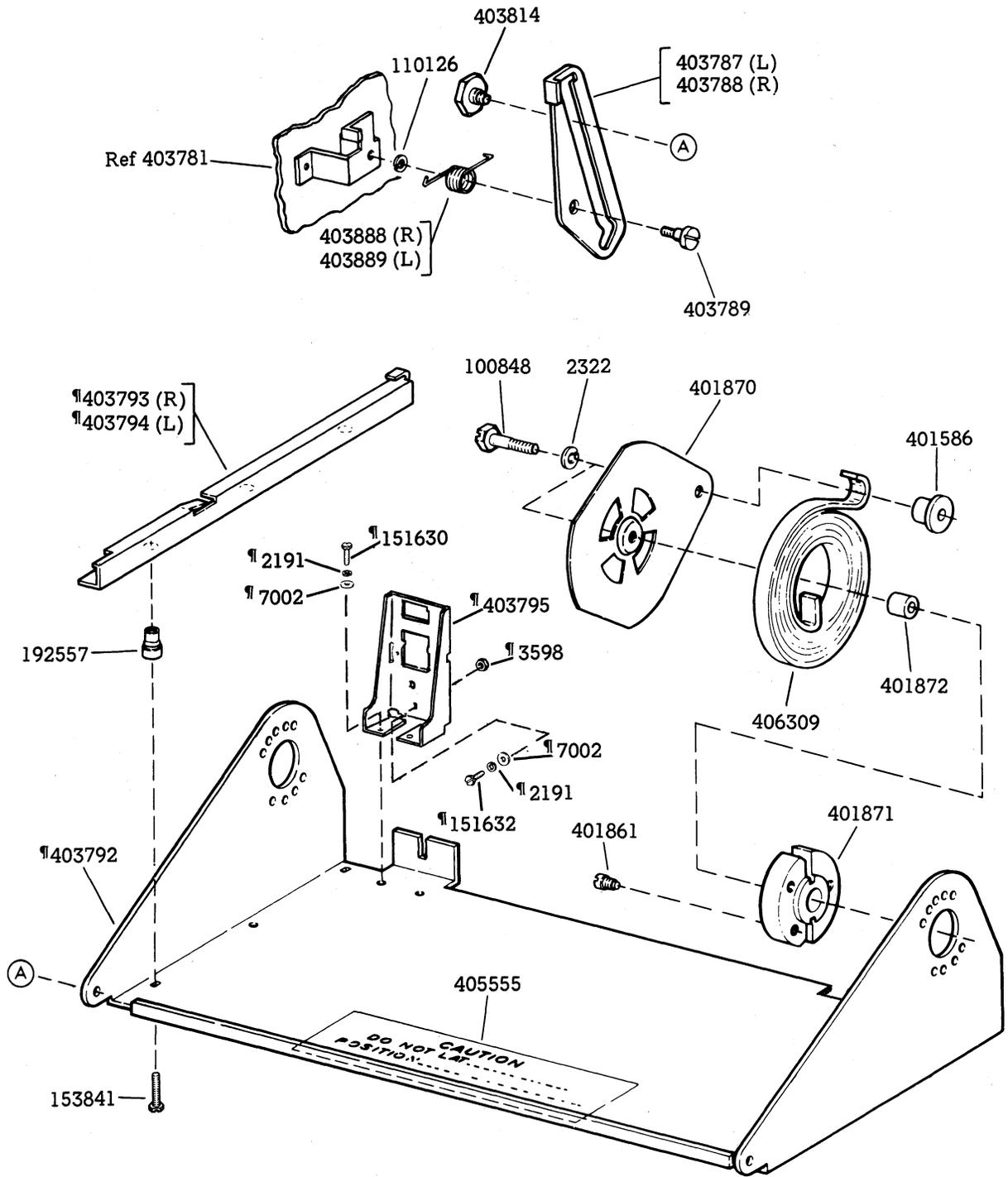


Fig. 22-40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer - 80-Column (Cont)



¶ Early design. For late design parts, see Fig. 27.

Fig. 22—40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer — 80-Column (Cont)

SECTION 582-212-700

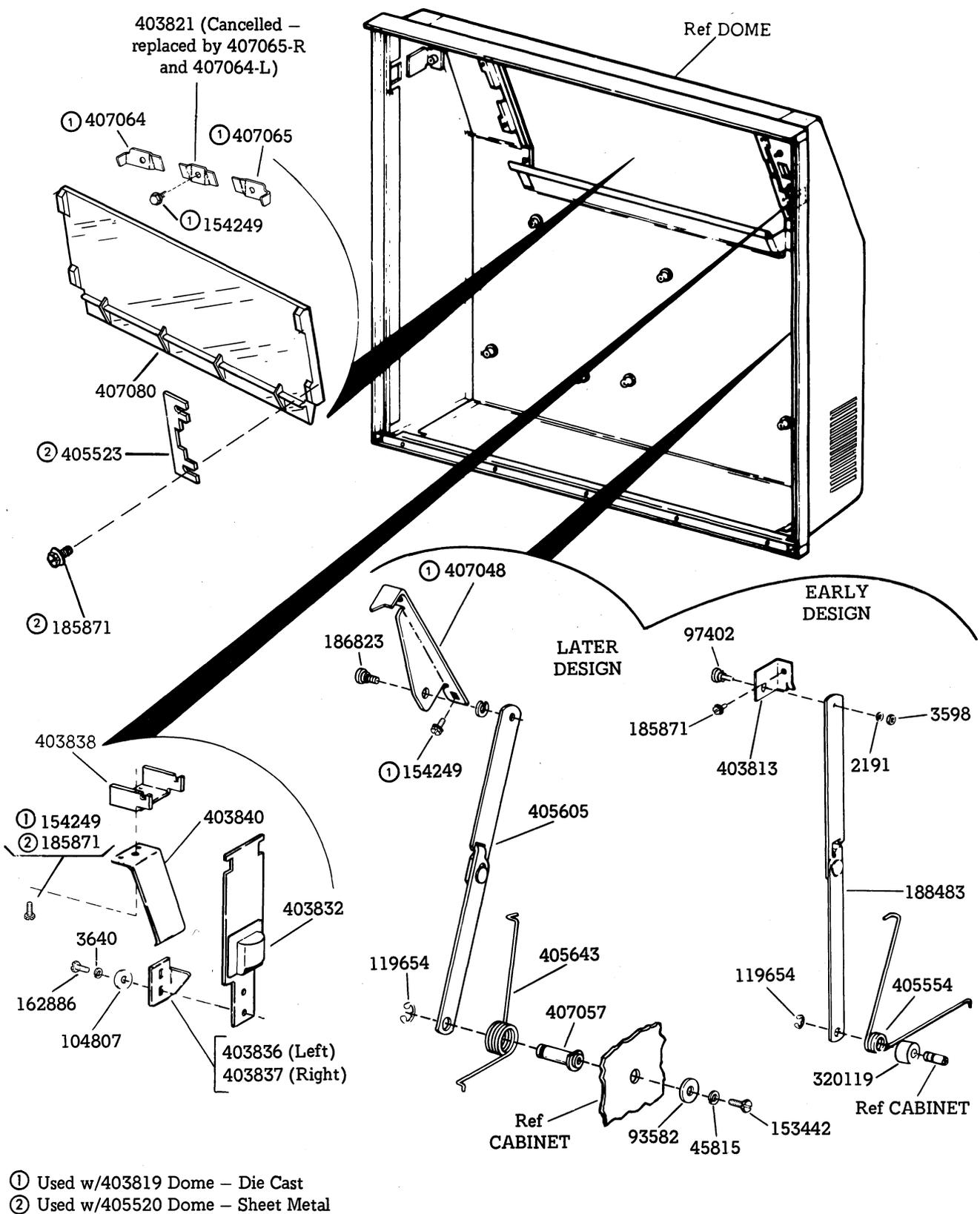


Fig. 22-40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer - 80-Column (Cont)

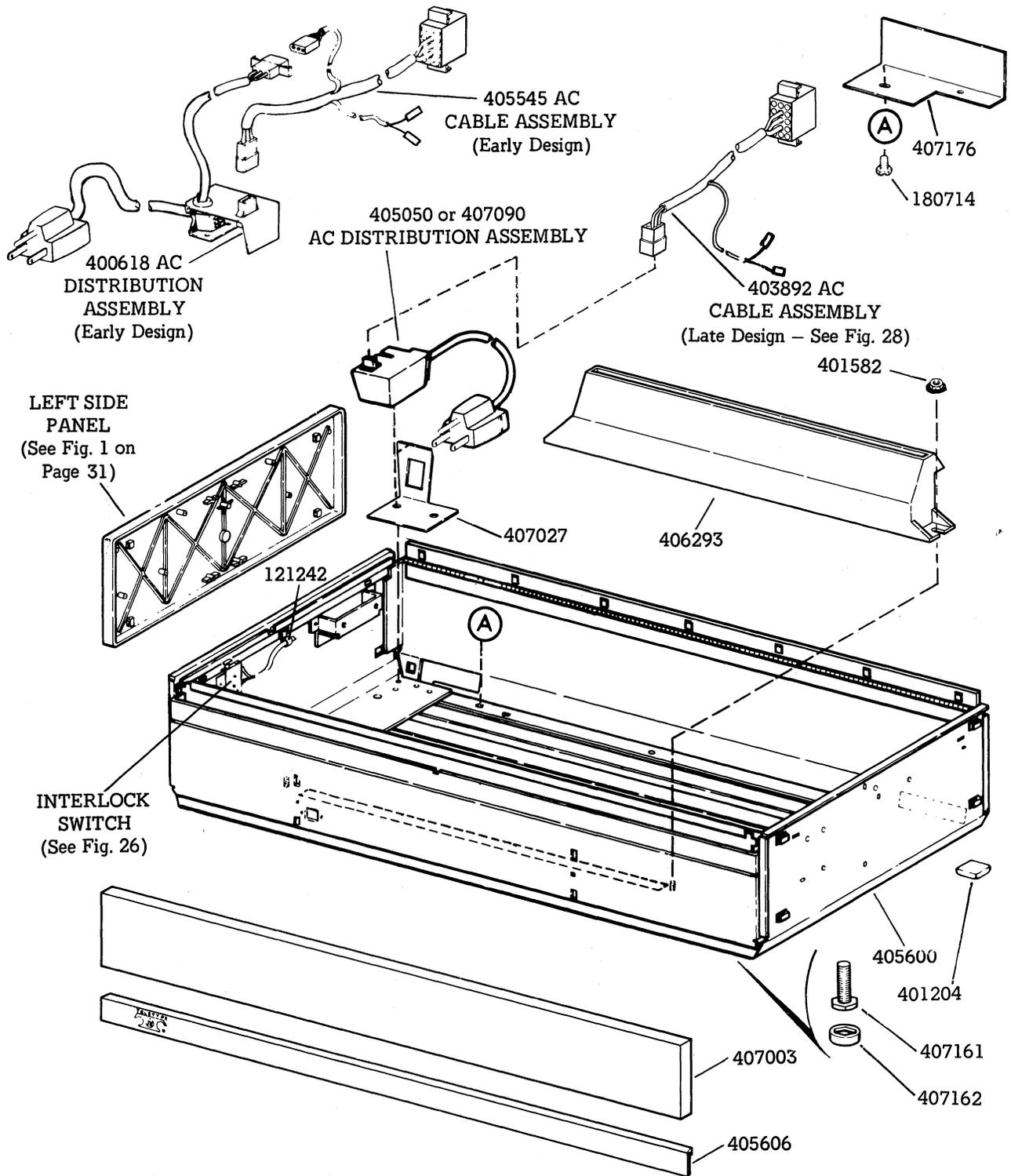
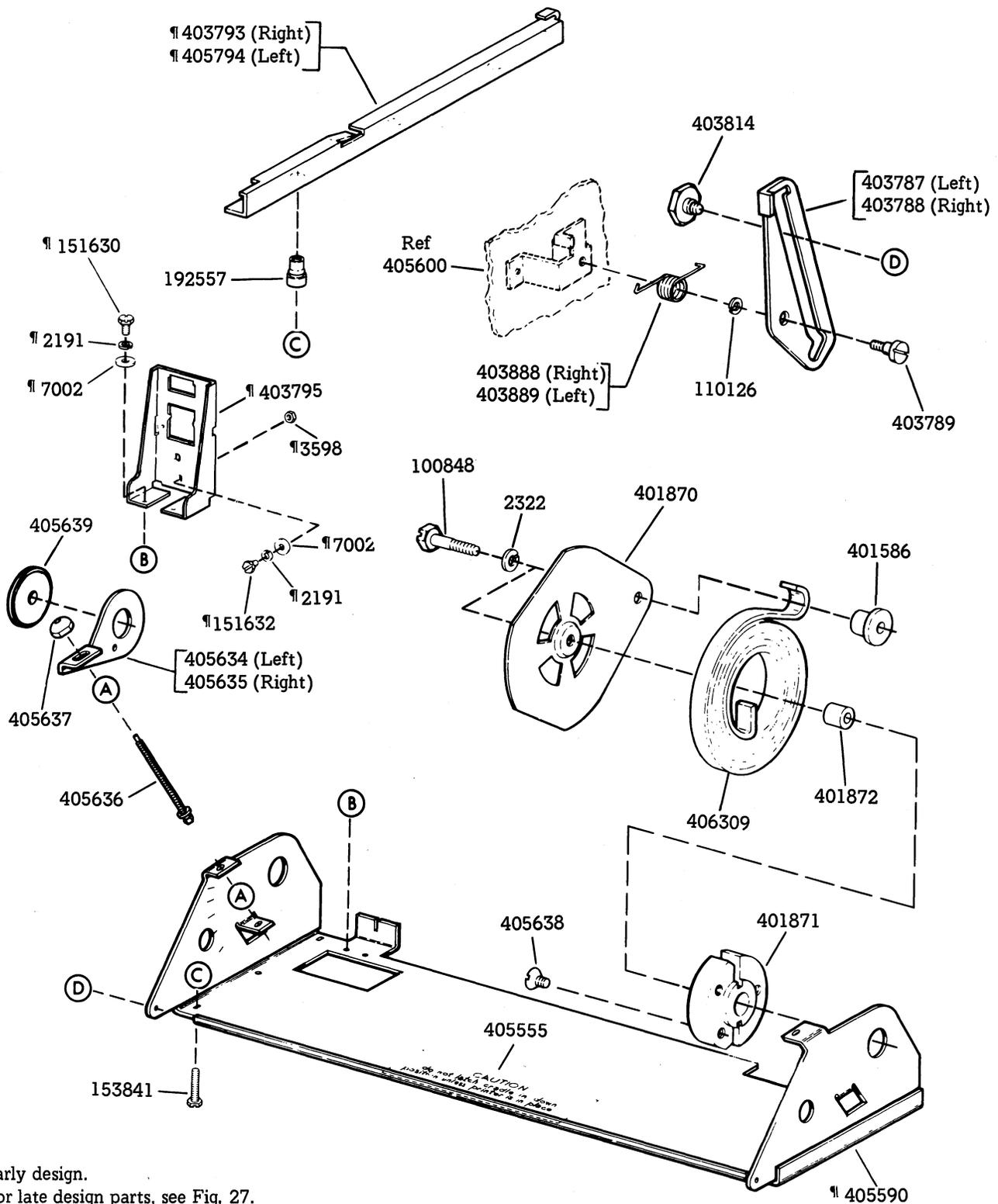


Fig. 23—40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer - 132-Column



¶ Early design.
For late design parts, see Fig. 27.

Fig. 23—40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer - 132-Column (Cont)

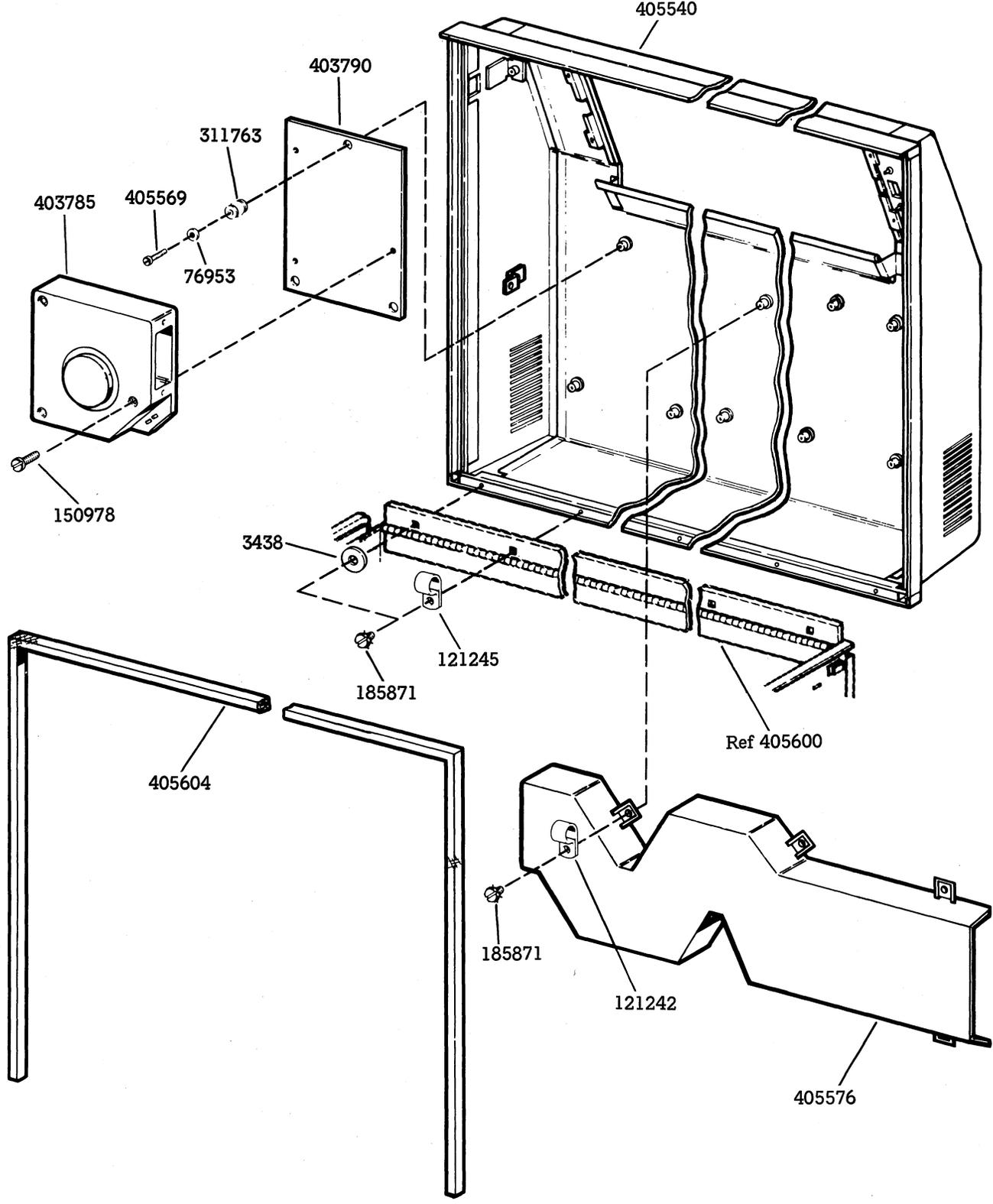


Fig. 23-40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer - 132-Column (Cont)

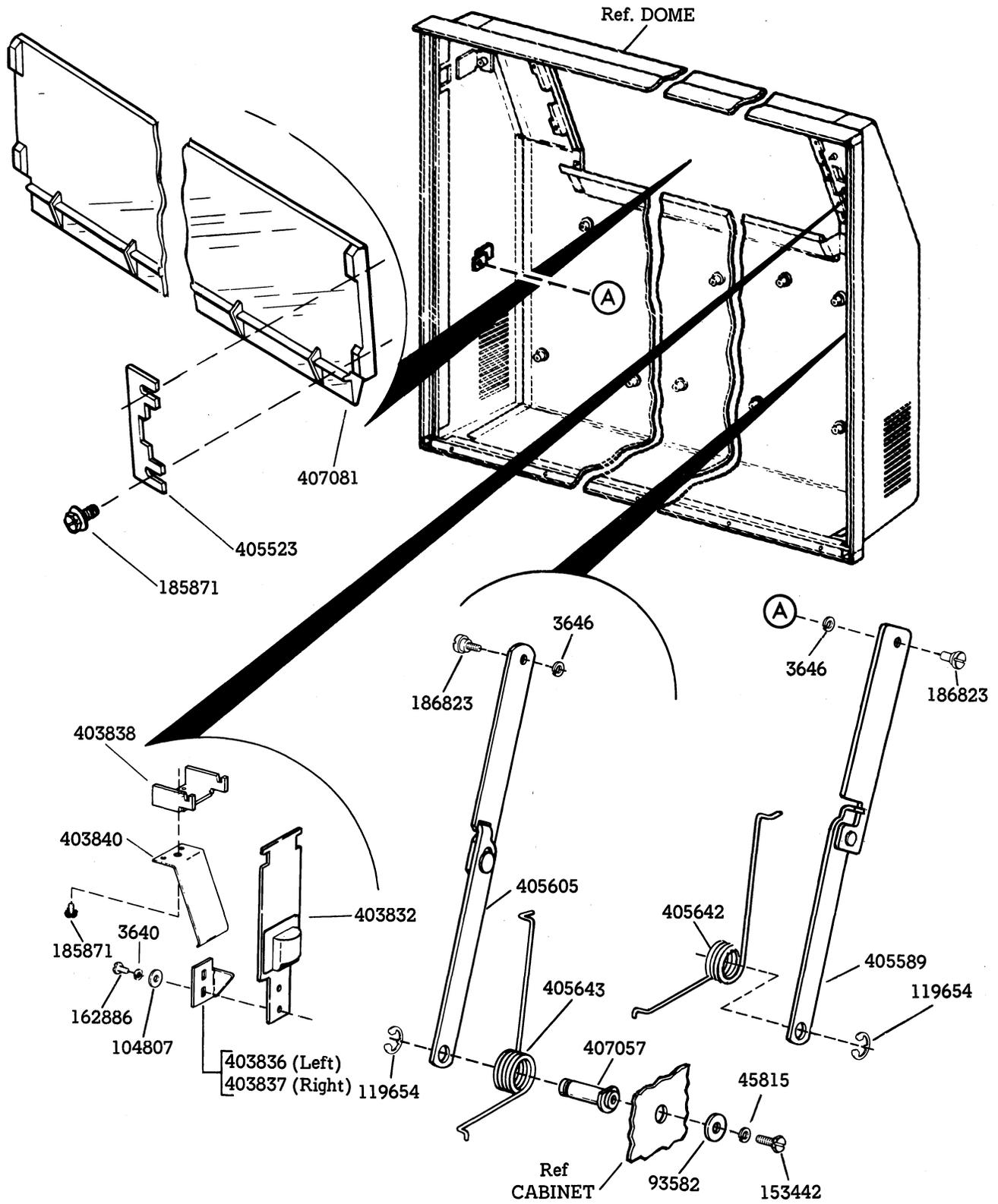


Fig. 23—40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer - 132-Column (Cont)

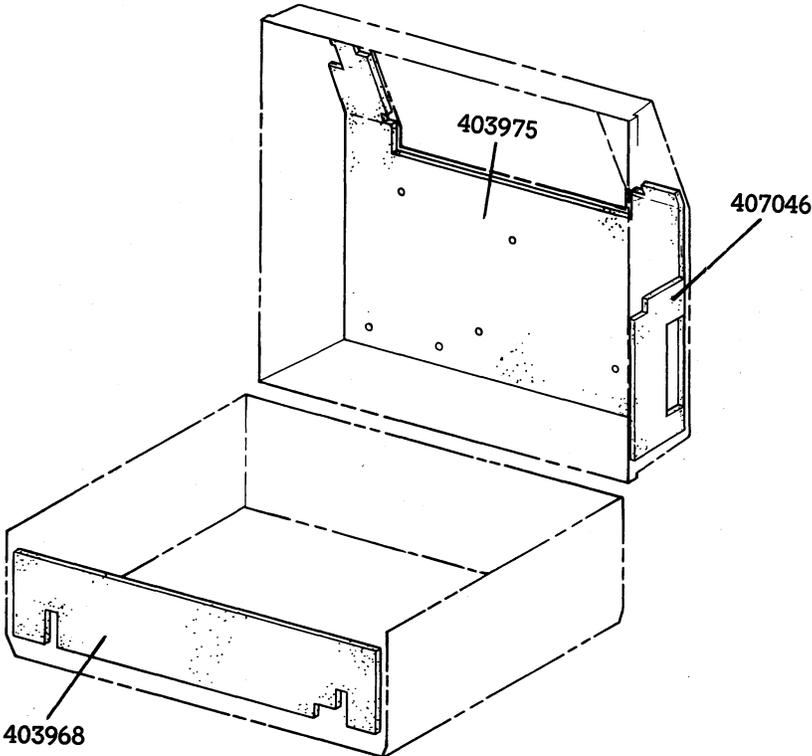


Fig. 24—Pads Used on 40CAB351/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 80-Column

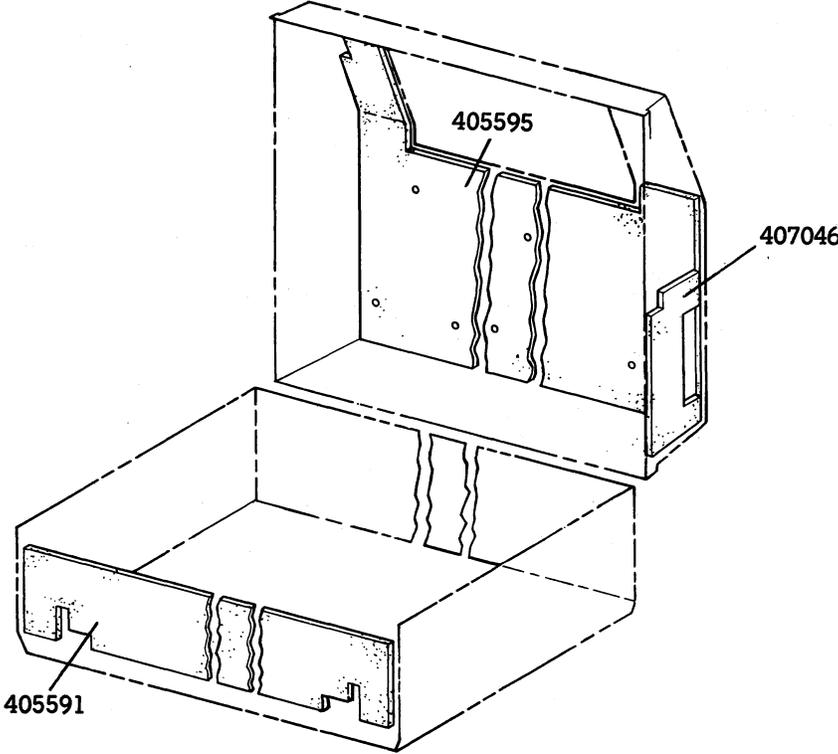
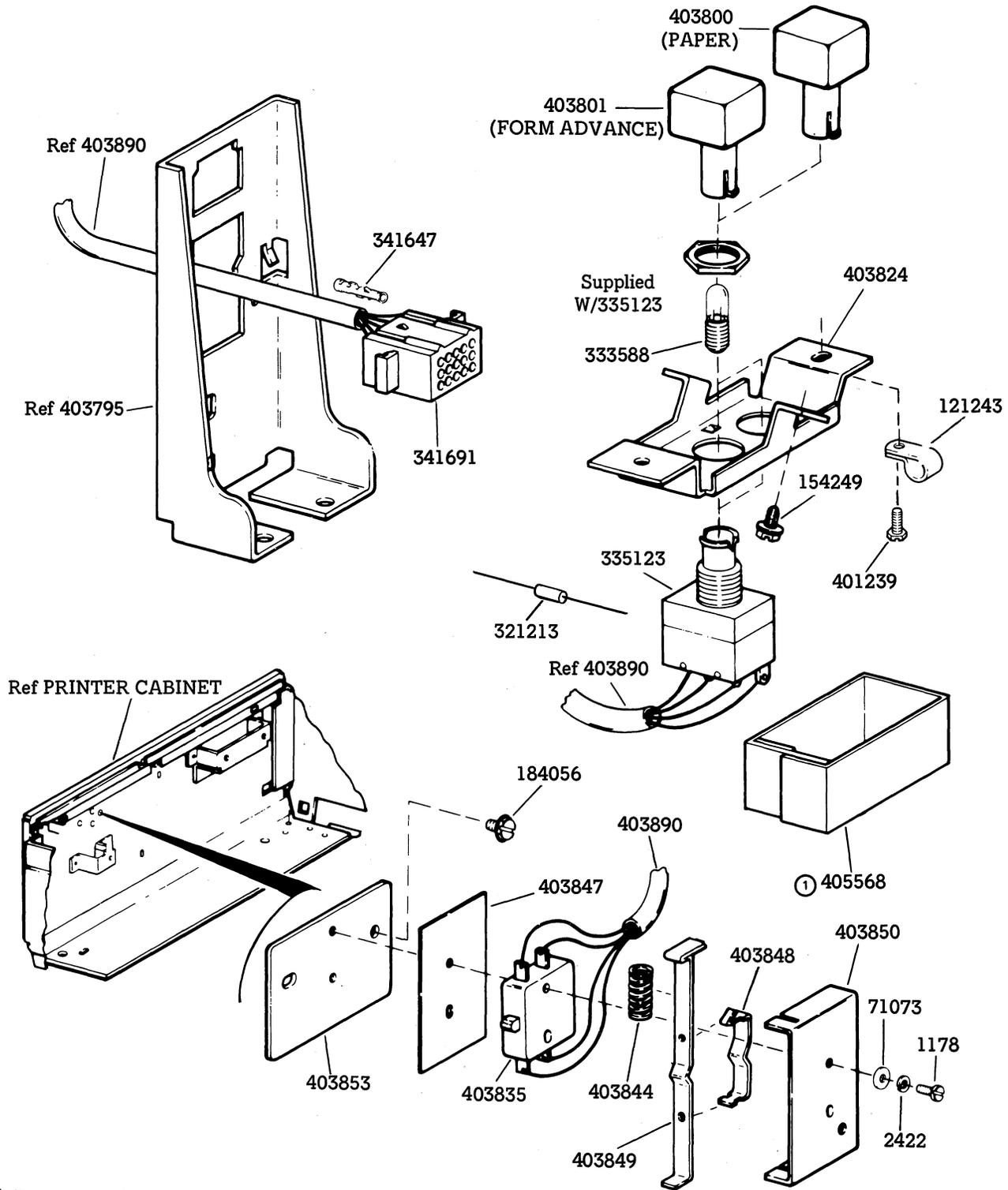


Fig. 25—Pads Used on 40CAB353/ZZ Printer Cabinet Core for Adjacent or RO Tractor Feed Printer – 132-Column



① Required w/405520 Dome – Sheet Metal

Fig. 26—Interlock and Paper Alarm for 80- and 132-Column Tractor Feed Printer Cabinets

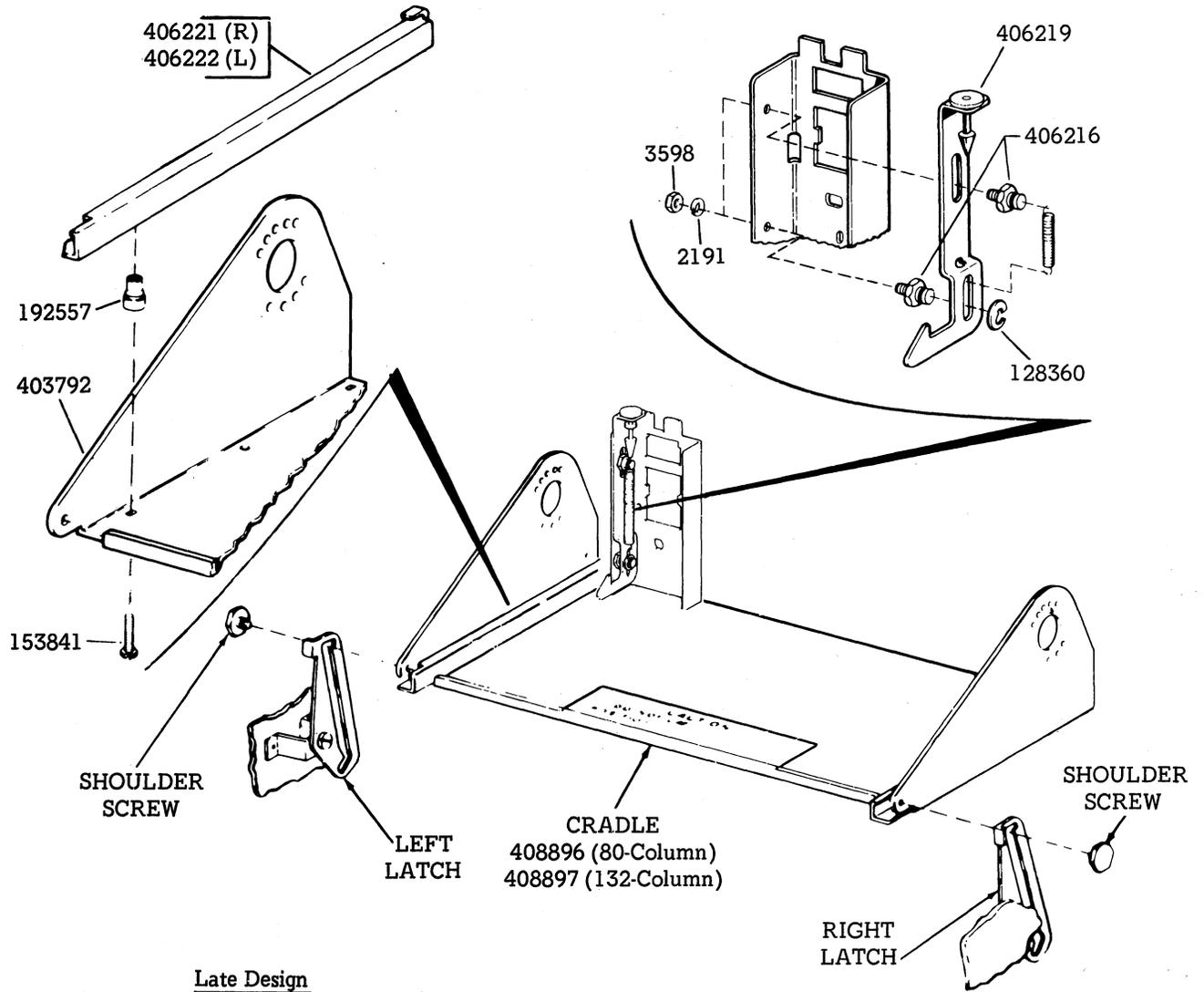


Fig. 27—Cradle and Latch Mechanism for Adjacent or RO Tractor Feed Printer

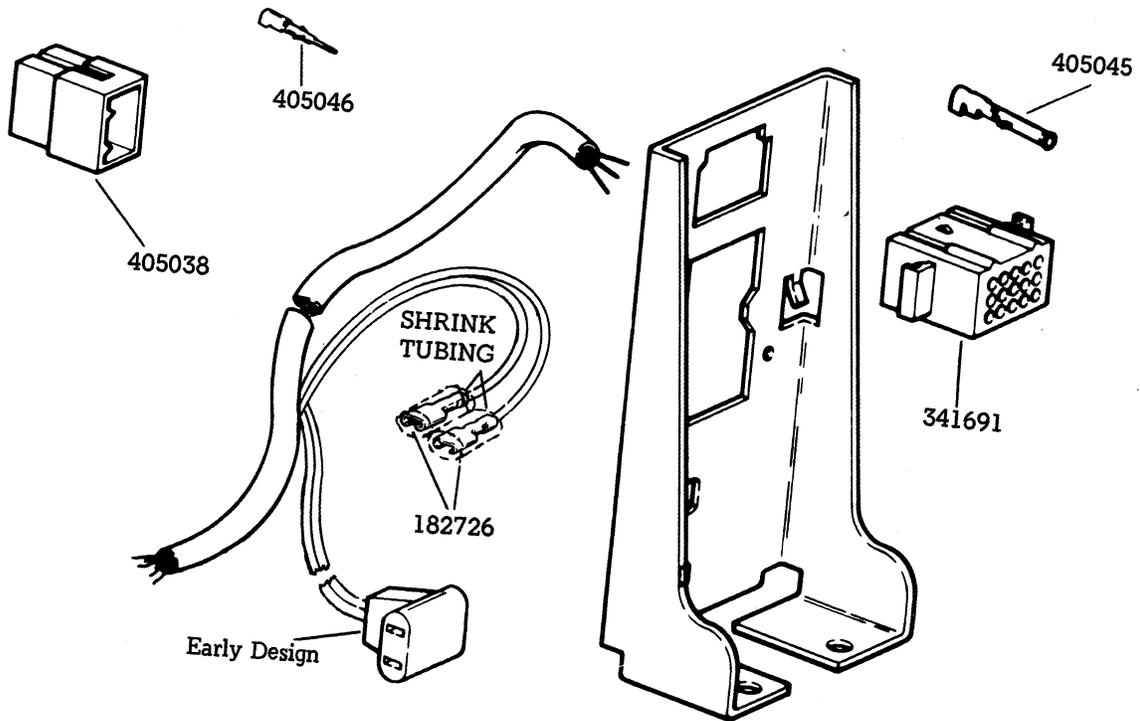


Fig. 28-403892 AC Cable Assembly - Tractor Feed Printer Cabinet

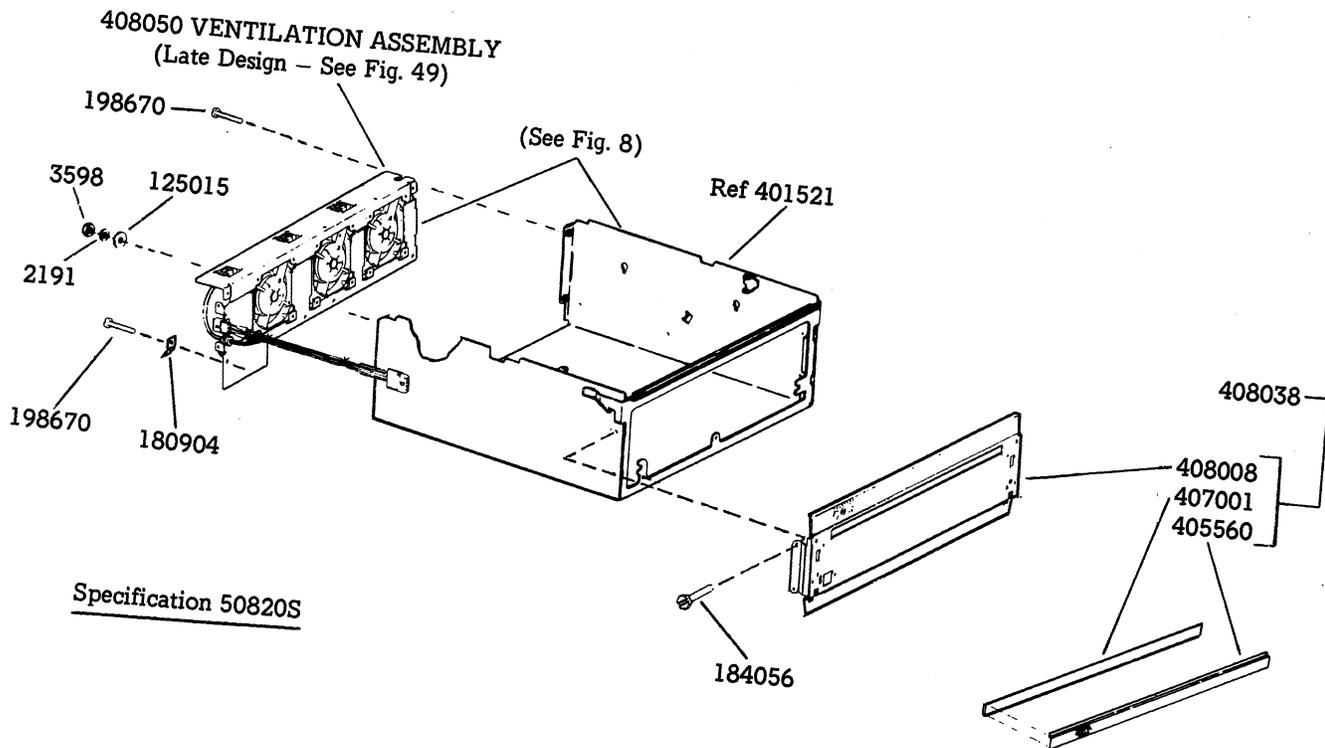
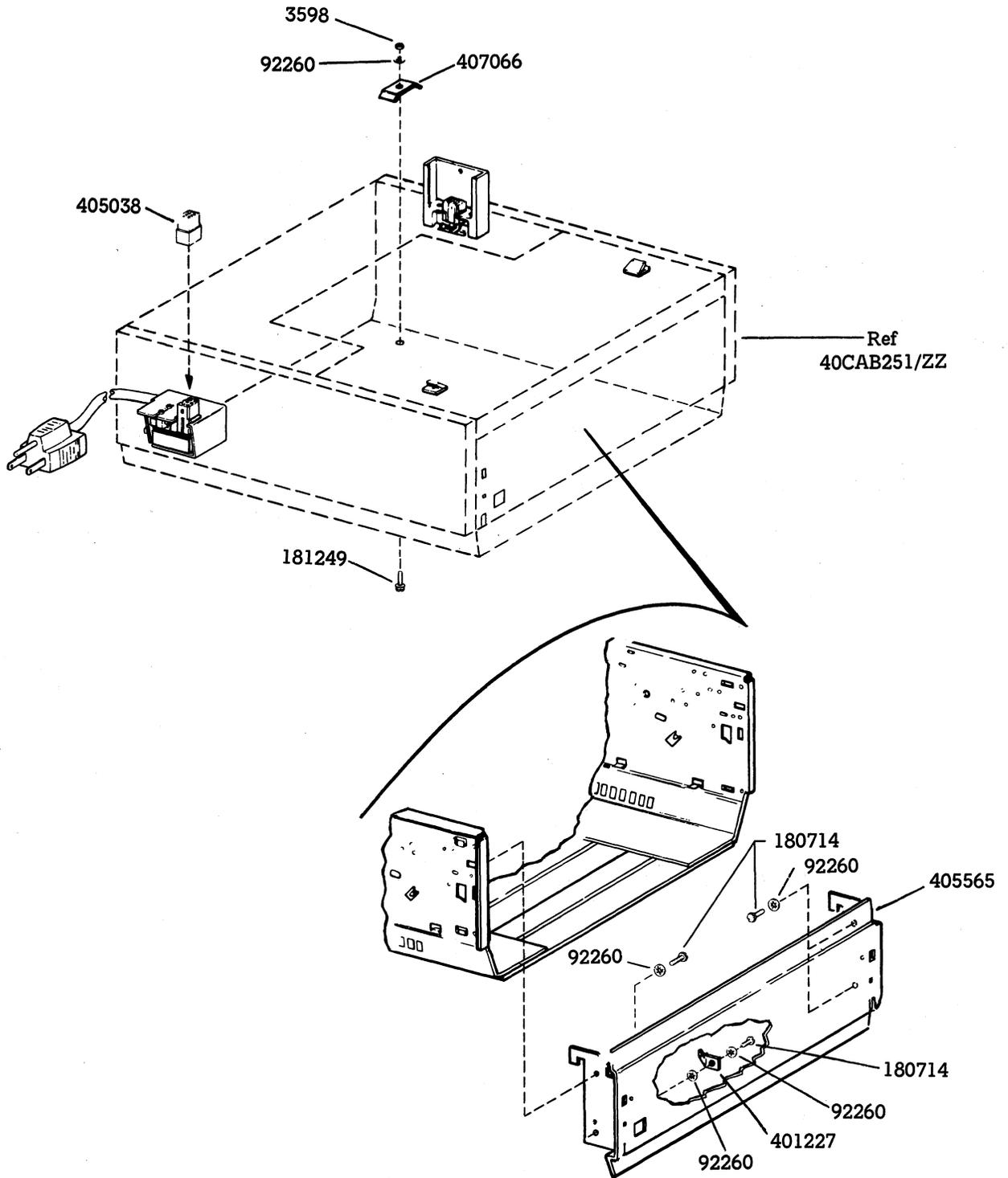


Fig. 29-408051 Modification Kit to Provide Logic Under Monitor Cabinet With Late Design Ventilation Assembly



Specification 50830S

Fig. 30-405562 Modification Kit for Monitor/Opcon Support Cabinet

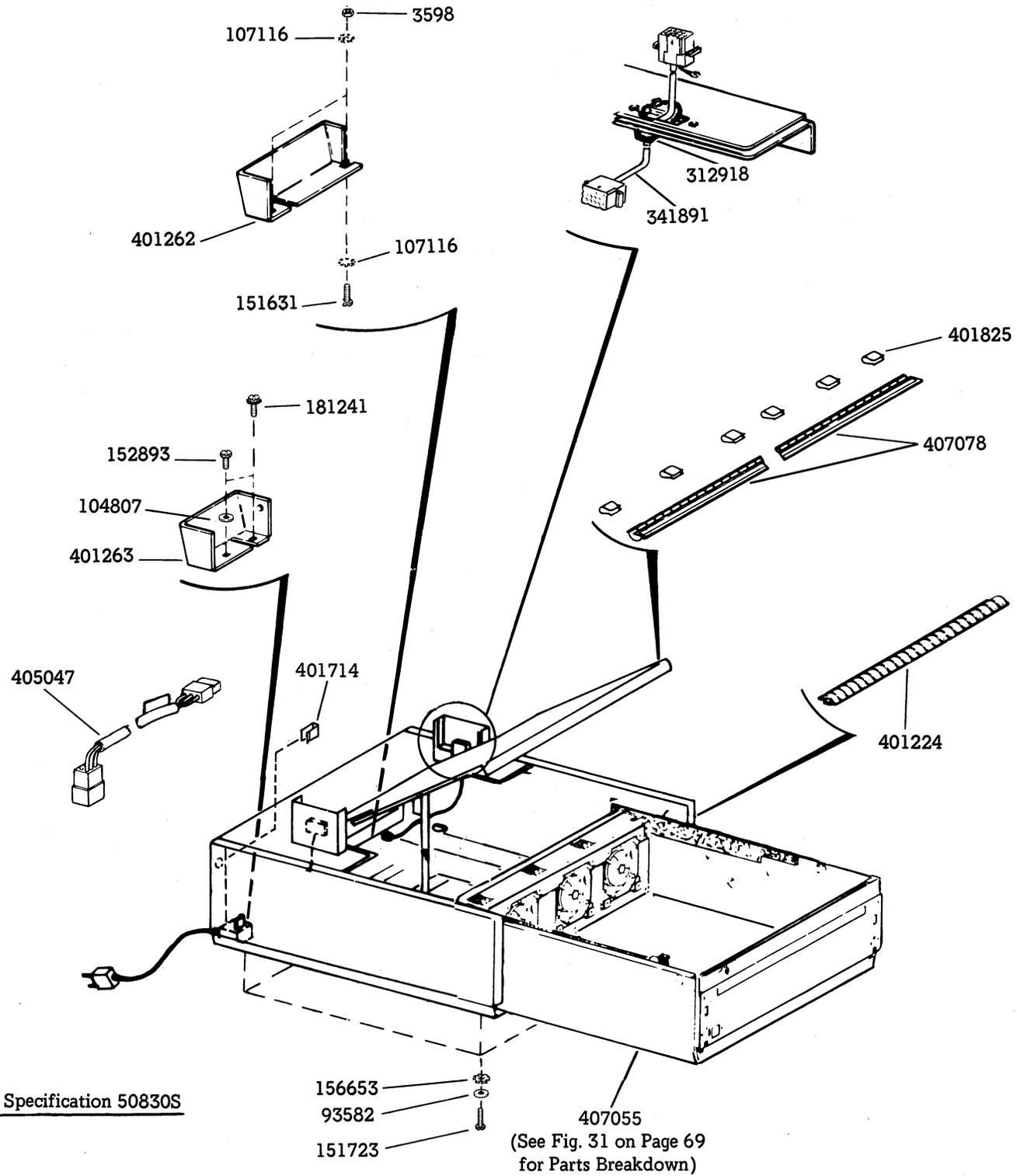
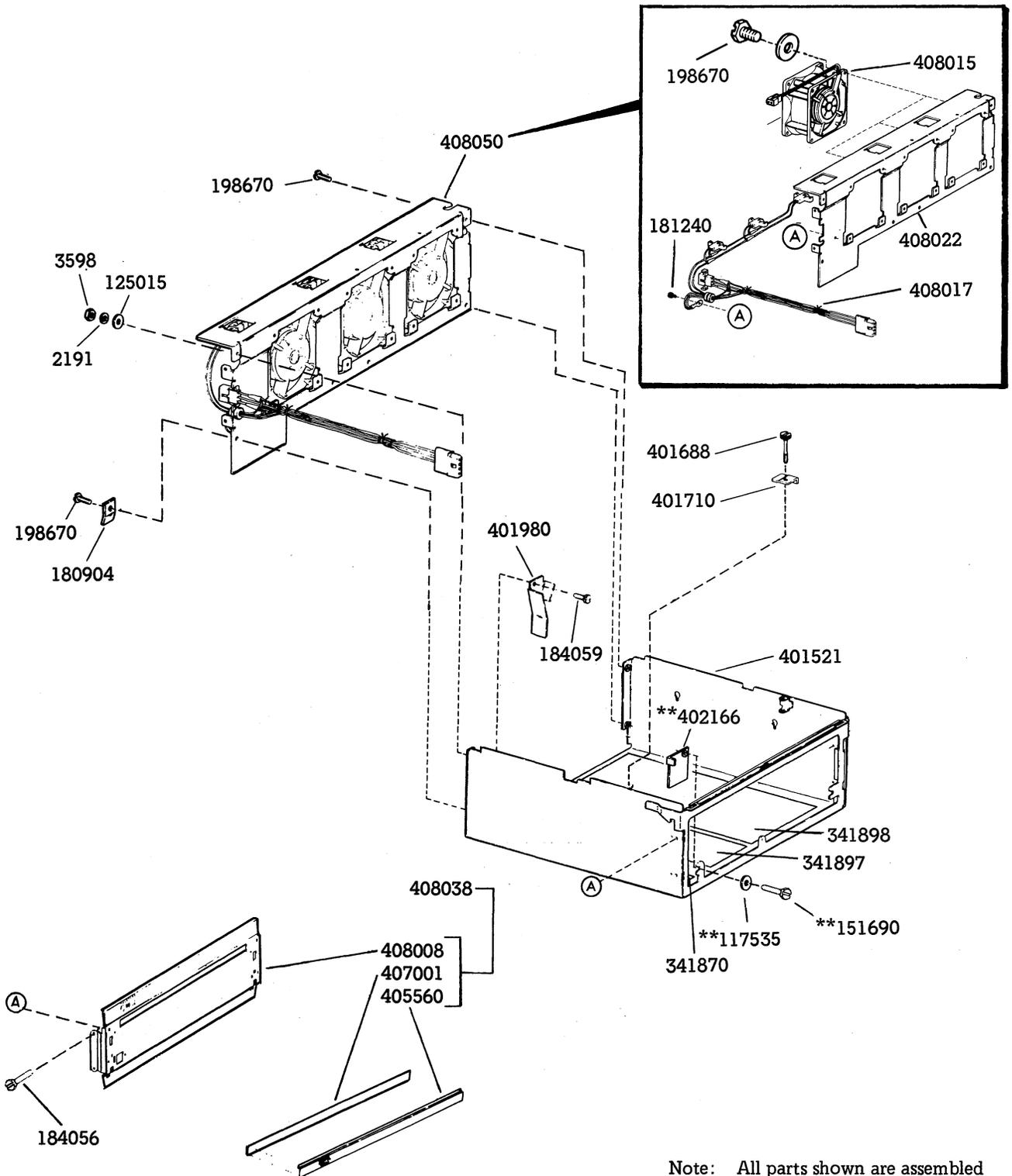
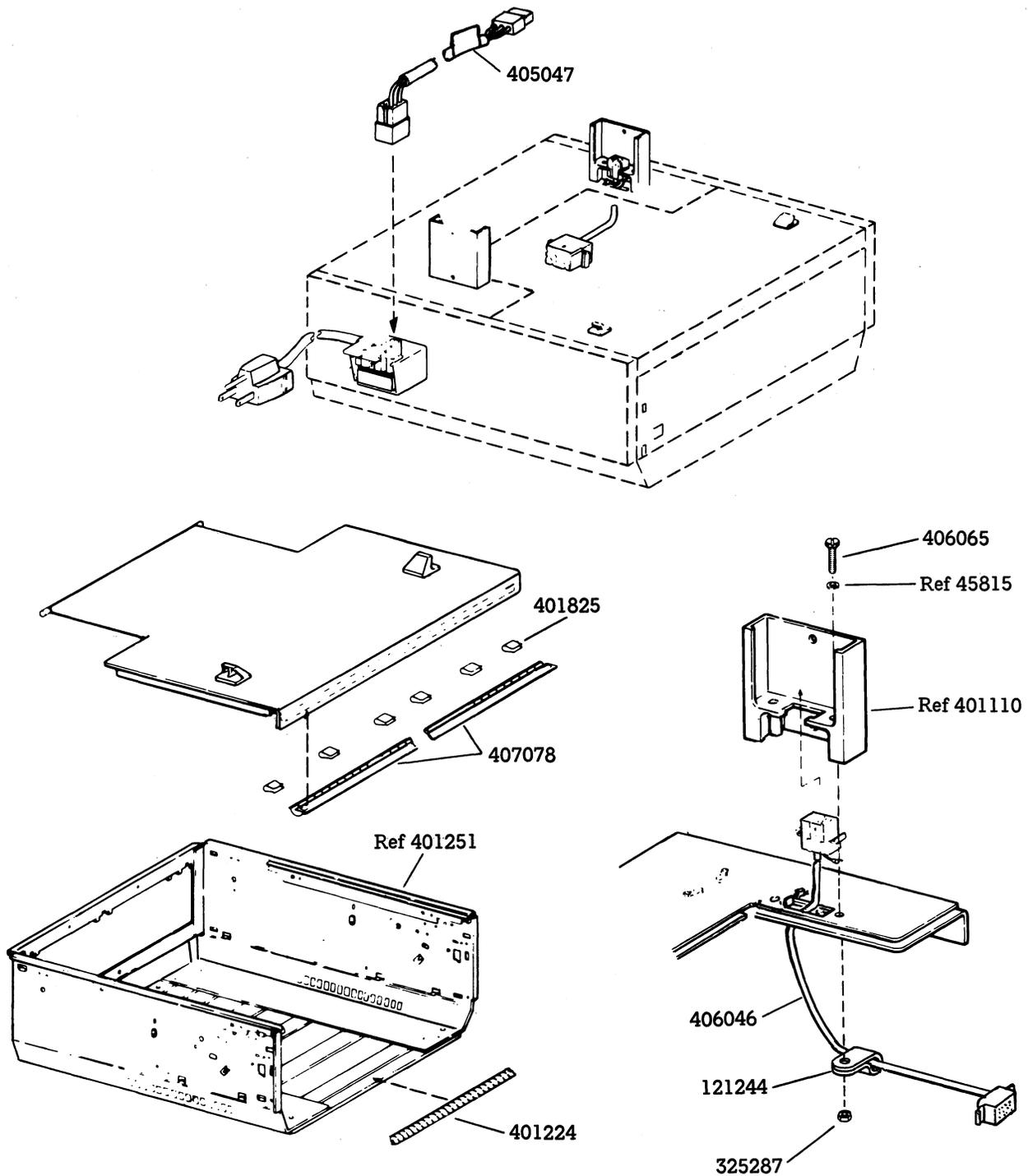


Fig. 31—405563 Modification Kit Used on 40CAB251/ZZ Cabinet
to Form a 40CAB251/AB Cabinet



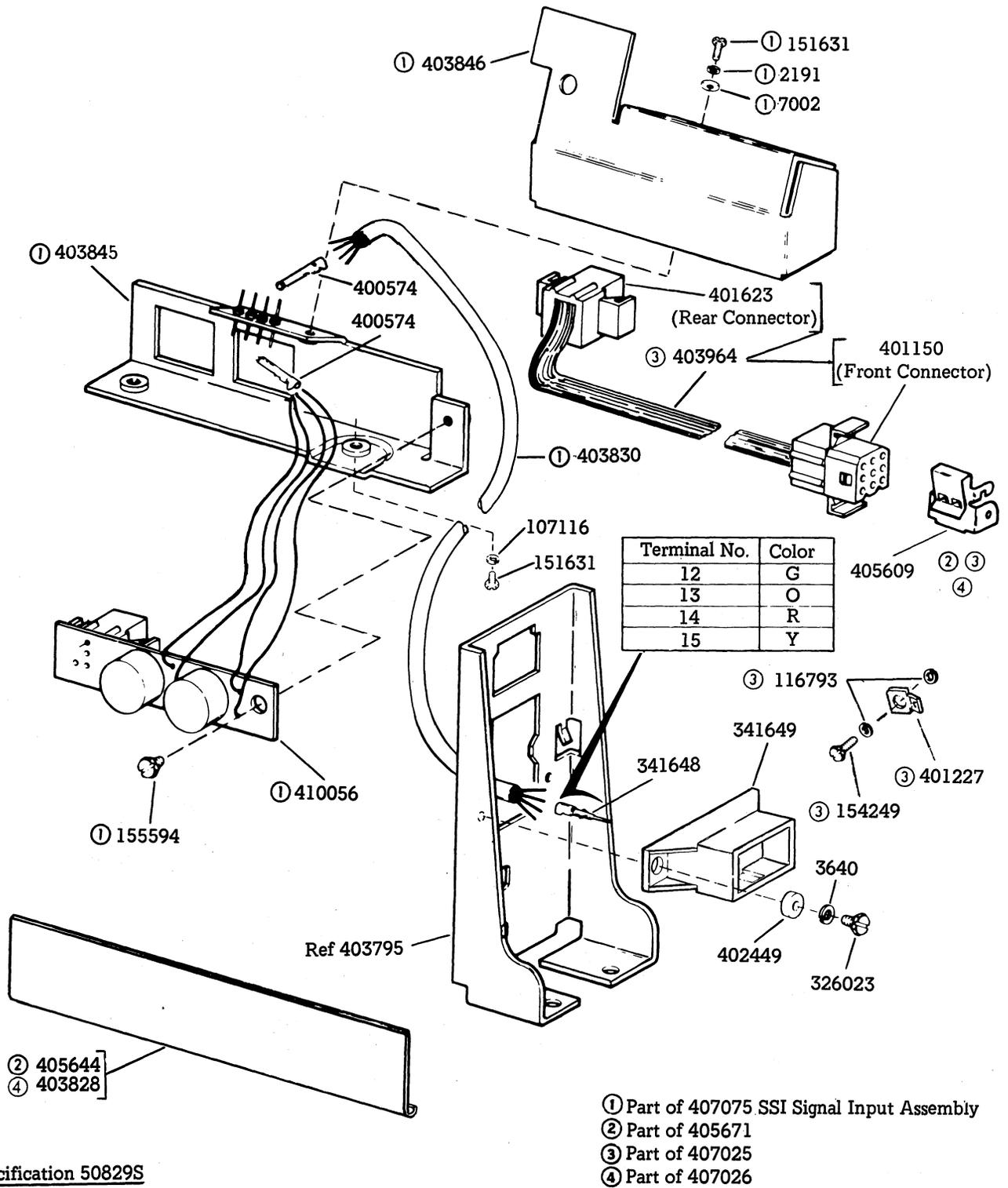
Note: All parts shown are assembled under 407055 number except the three double asterisked (**) parts.

Fig. 31—405563 Modification Kit Used on 40CAB251/ZZ Cabinet to Form a 40CAB251/AB Cabinet (Cont)



Specification 50830S

Fig. 32—406047 Modification Kit Used on 40CAB251/ZZ Cabinet to Form a 40CAB251/AE Cabinet



Specification 50829S

Fig. 33—405671 (40CAB353/ZZ – 132-Column), 407025 (40CAB351/ZZ – 80-Column) and 407026 (40CAB351/ZZ – 80-Column) Modification Kits

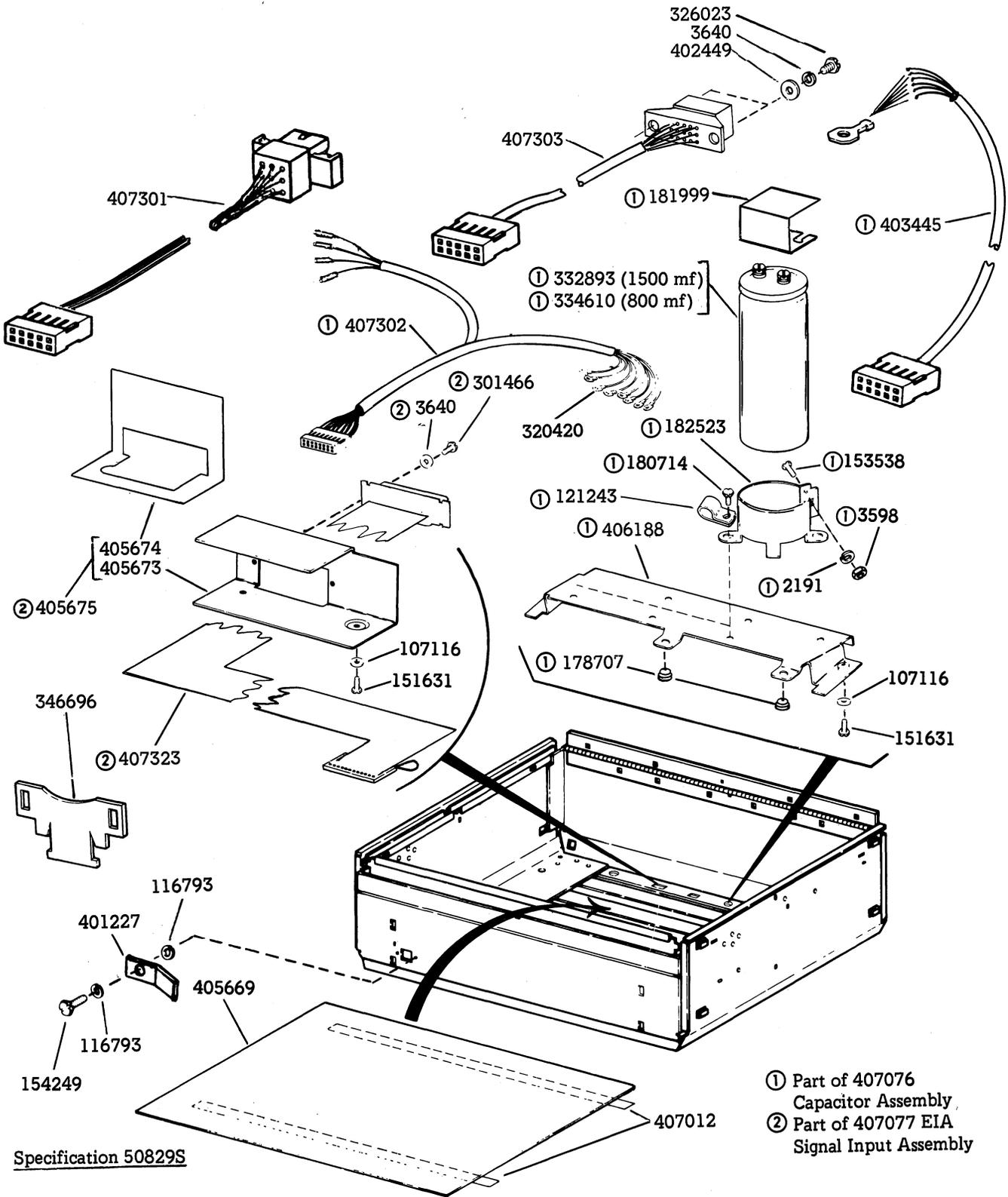
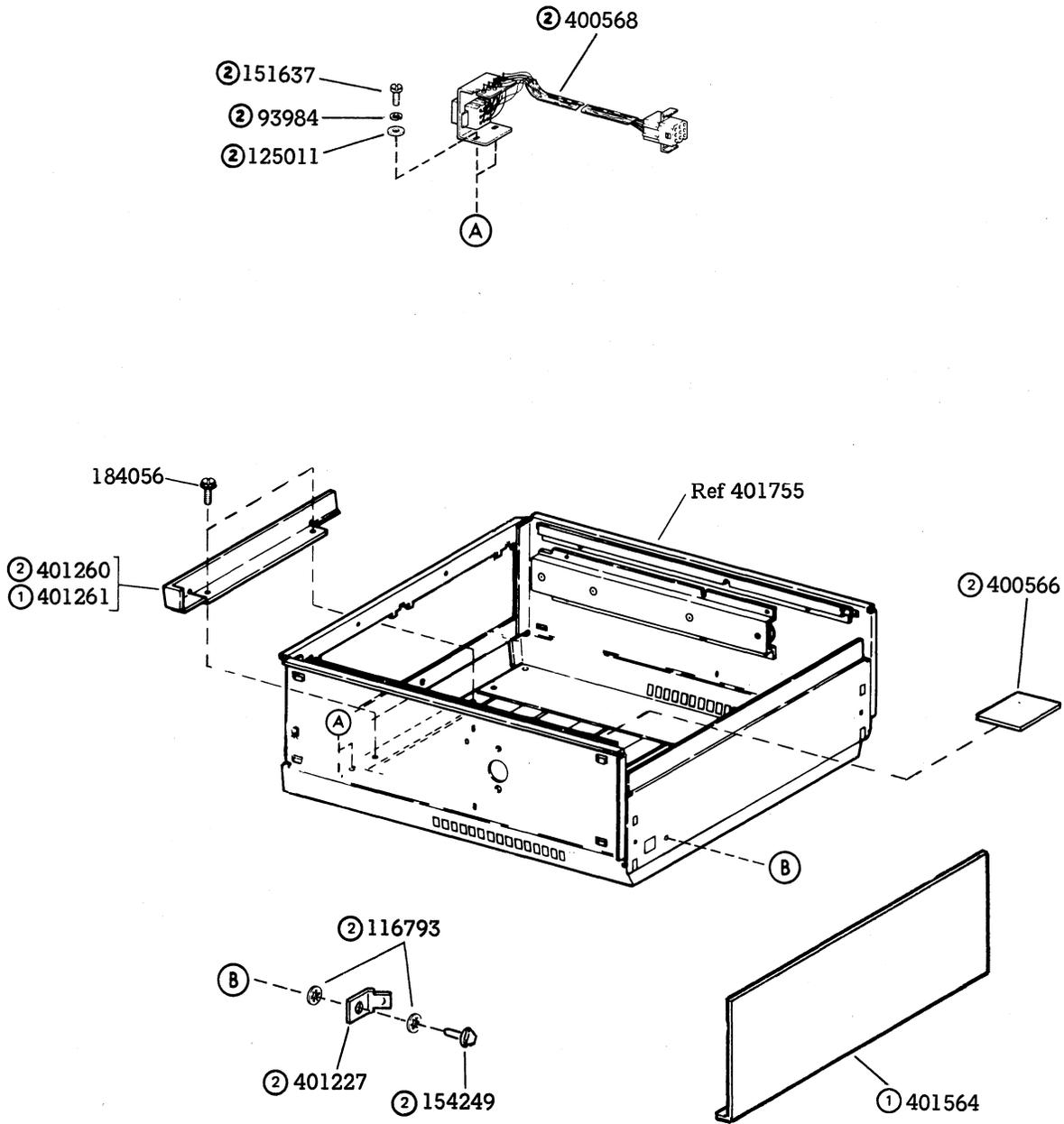


Fig. 34—407024 EIA Integrated Controller Modification Kit for 40CAB351/ZZ (80-Column) and 40CAB353/ZZ (132-Column) Cabinets



Specification 50828S

- ① Part of 407042
- ② Part of 407043

Fig. 35—407042 Modification Kit for Adjacent Friction Feed Printer Cabinet and
407043 Modification Kit for RO Friction Feed Printer Cabinet

SECTION 582-212-700

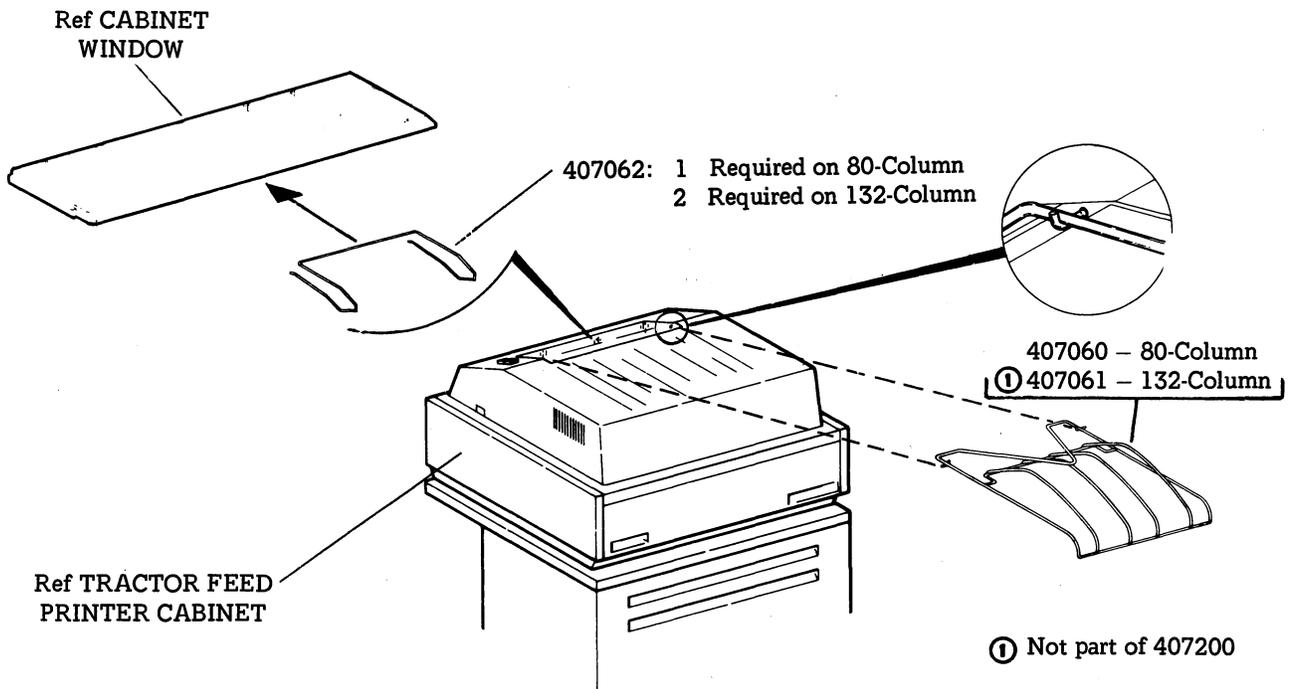
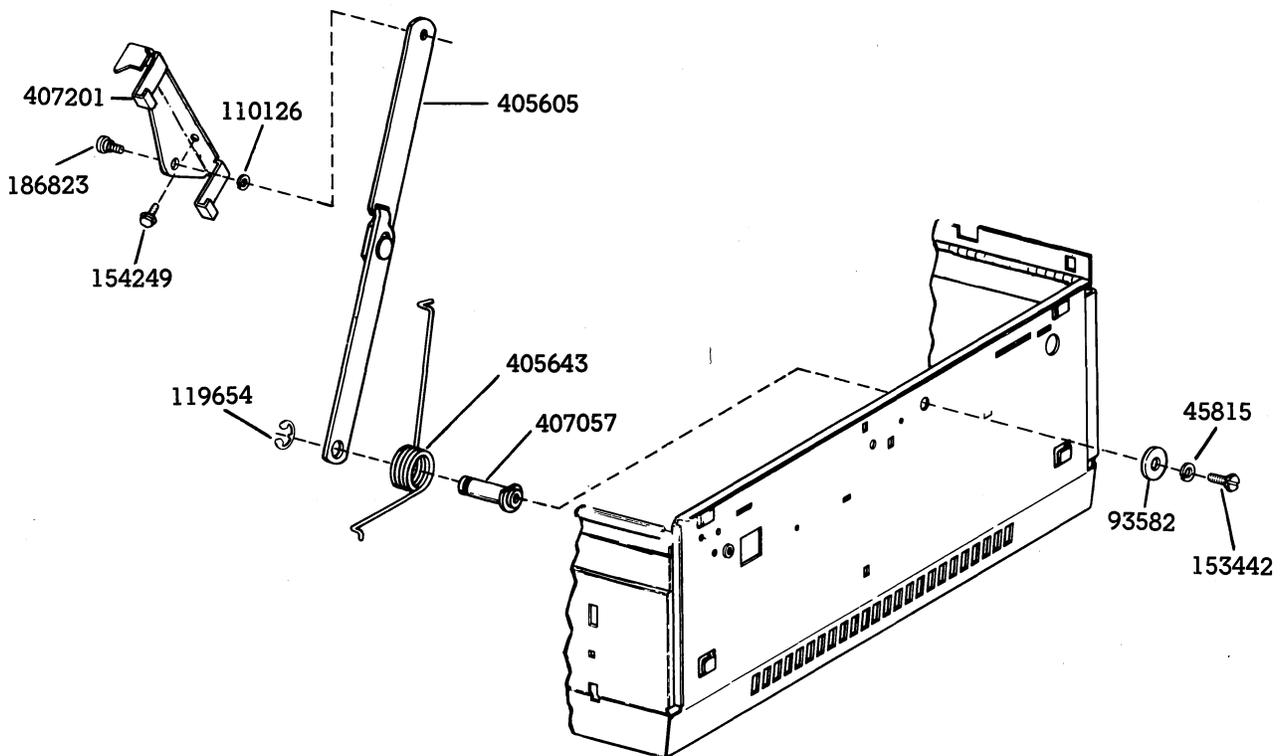


Fig. 36-407200 Modification Kit to Facilitate Handling Single-Ply Fanfold Paper



Specification 50871S

Fig. 37-407202 Dome Counterbalance Modification Kit for 80-Column Tractor Feed Cabinets

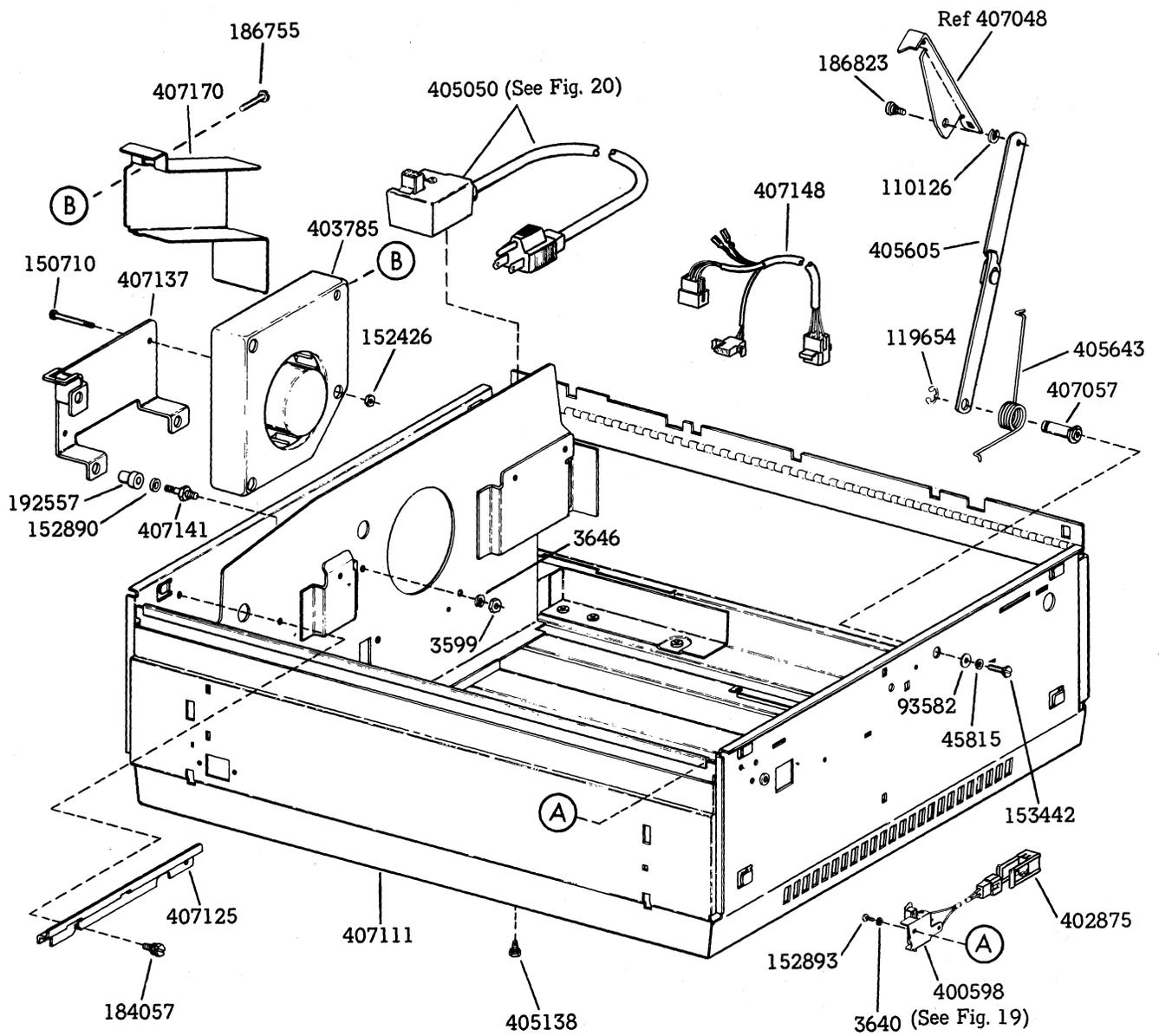


Fig. 38—40CAB371/ZZ Printer Cabinet Core for Noise Reduced Friction Feed Cabinet

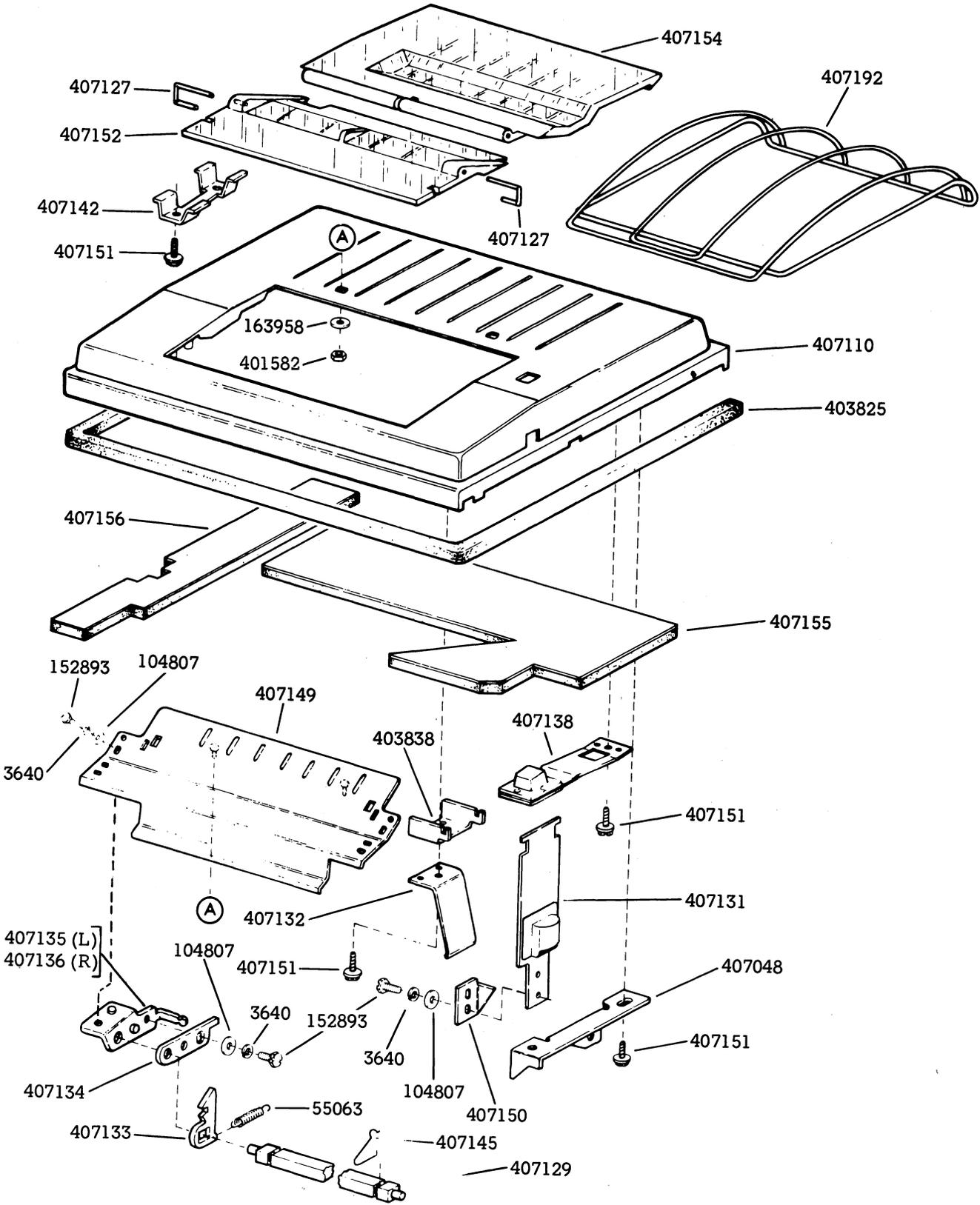
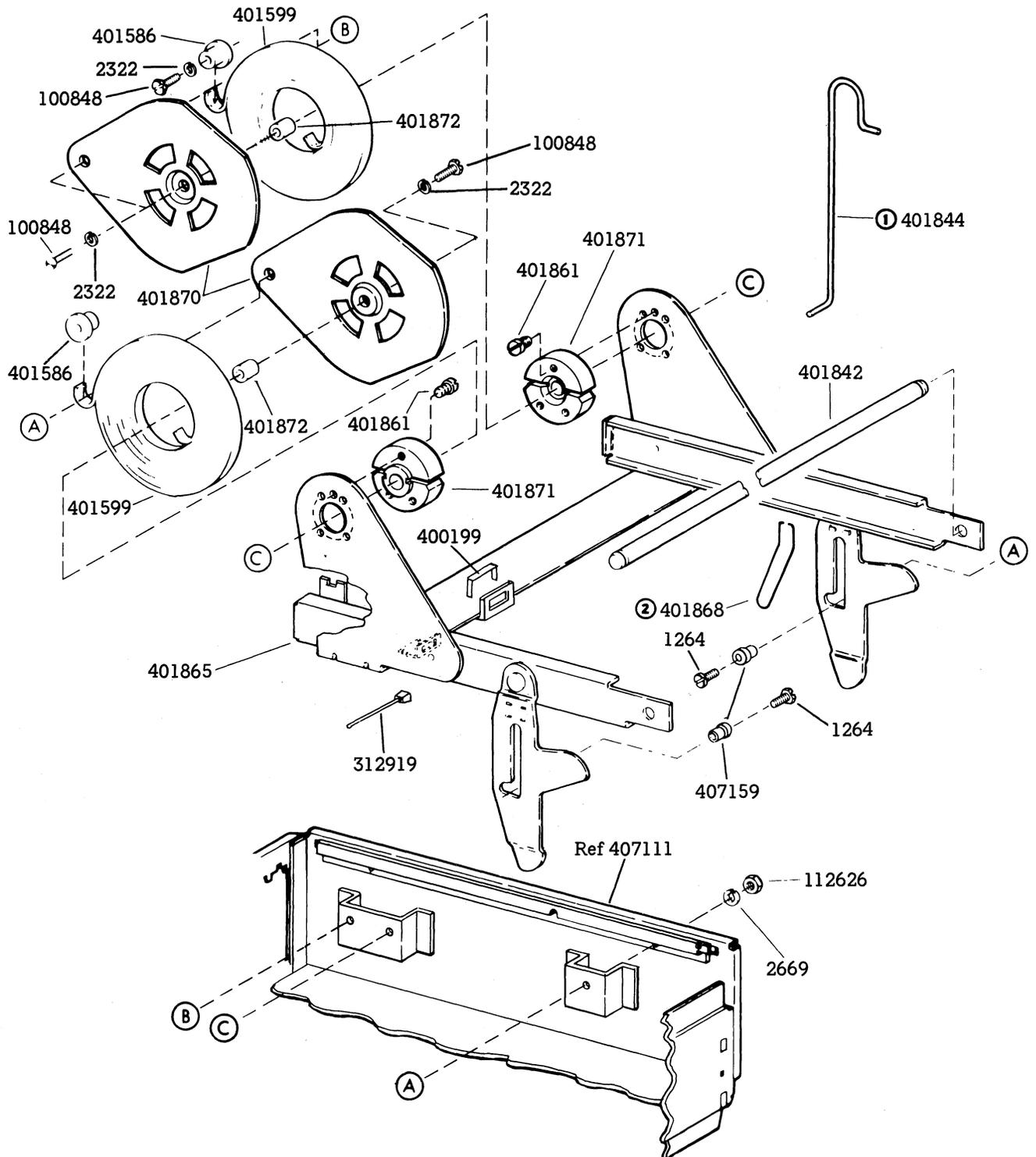


Fig. 38—40CAB371/ZZ Printer Cabinet Core for Noise Reduced Friction Feed Cabinet (Cont)



- ① Used when shipping cabinet
- ② Part of 401865

Fig. 38—40CAB371/ZZ Printer Cabinet Core for Noise Reduced Friction Feed Cabinet (Cont)

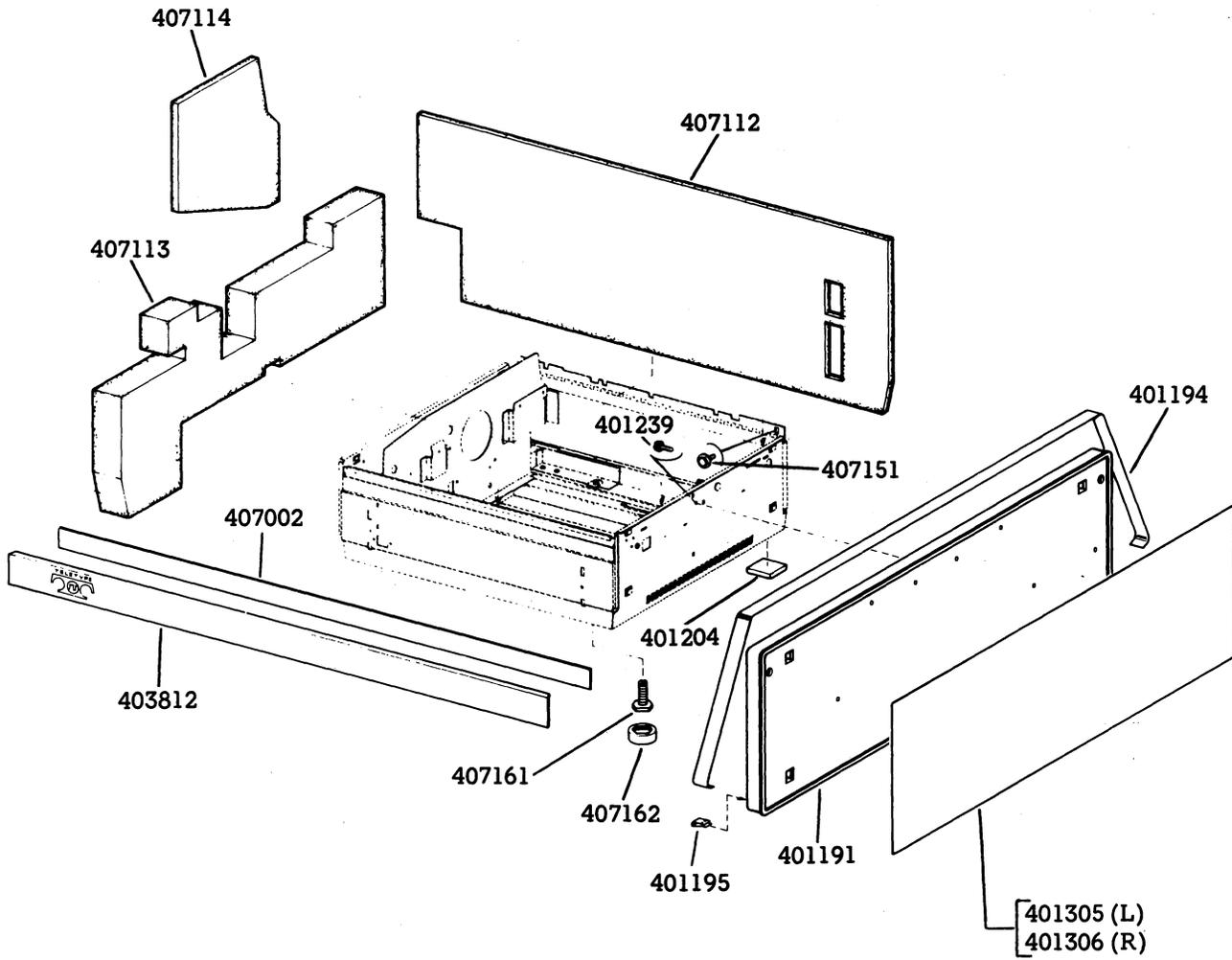


Fig. 38—40CAB371/ZZ Printer Cabinet Core for Noise Reduced Friction Feed Cabinet (Cont)

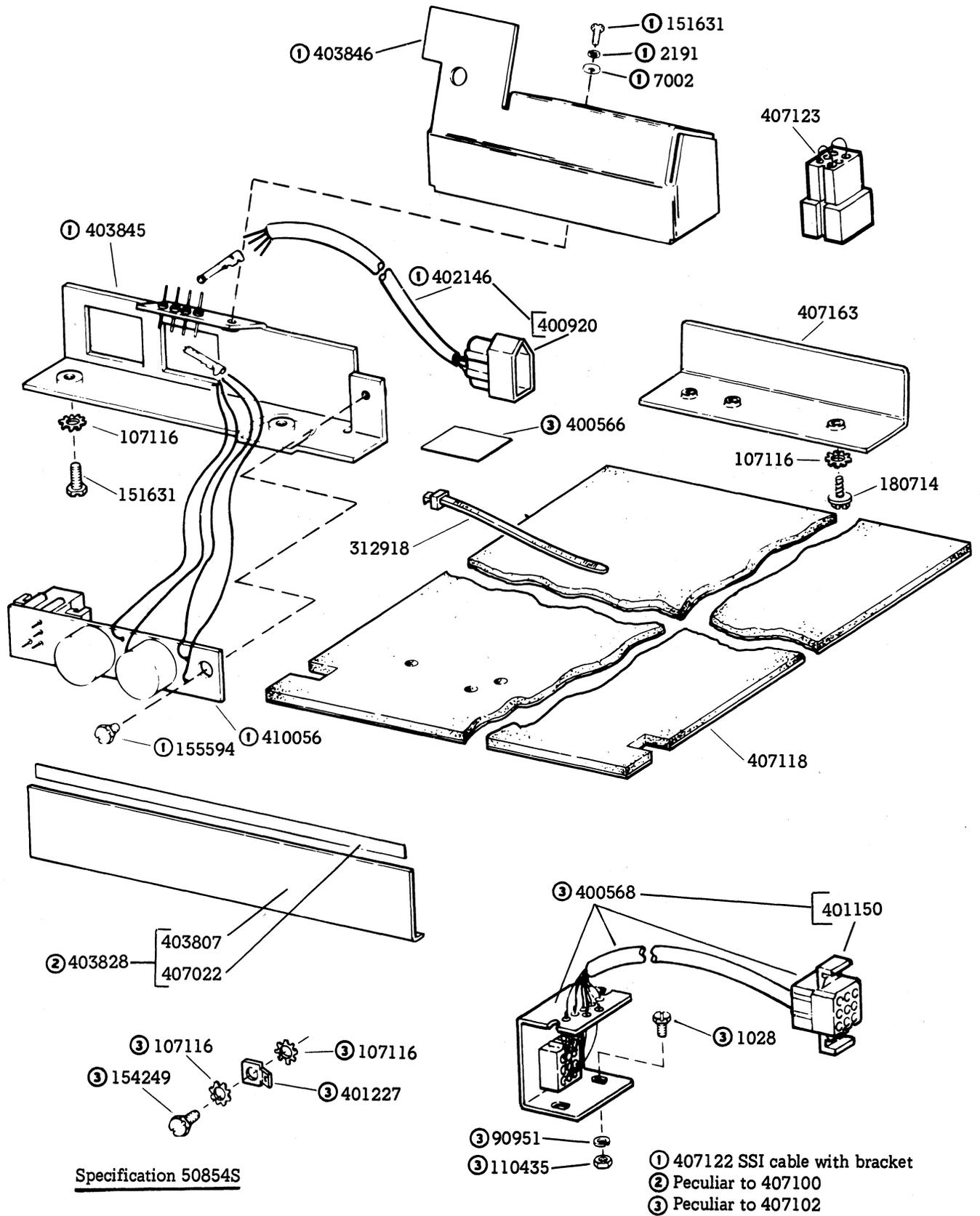
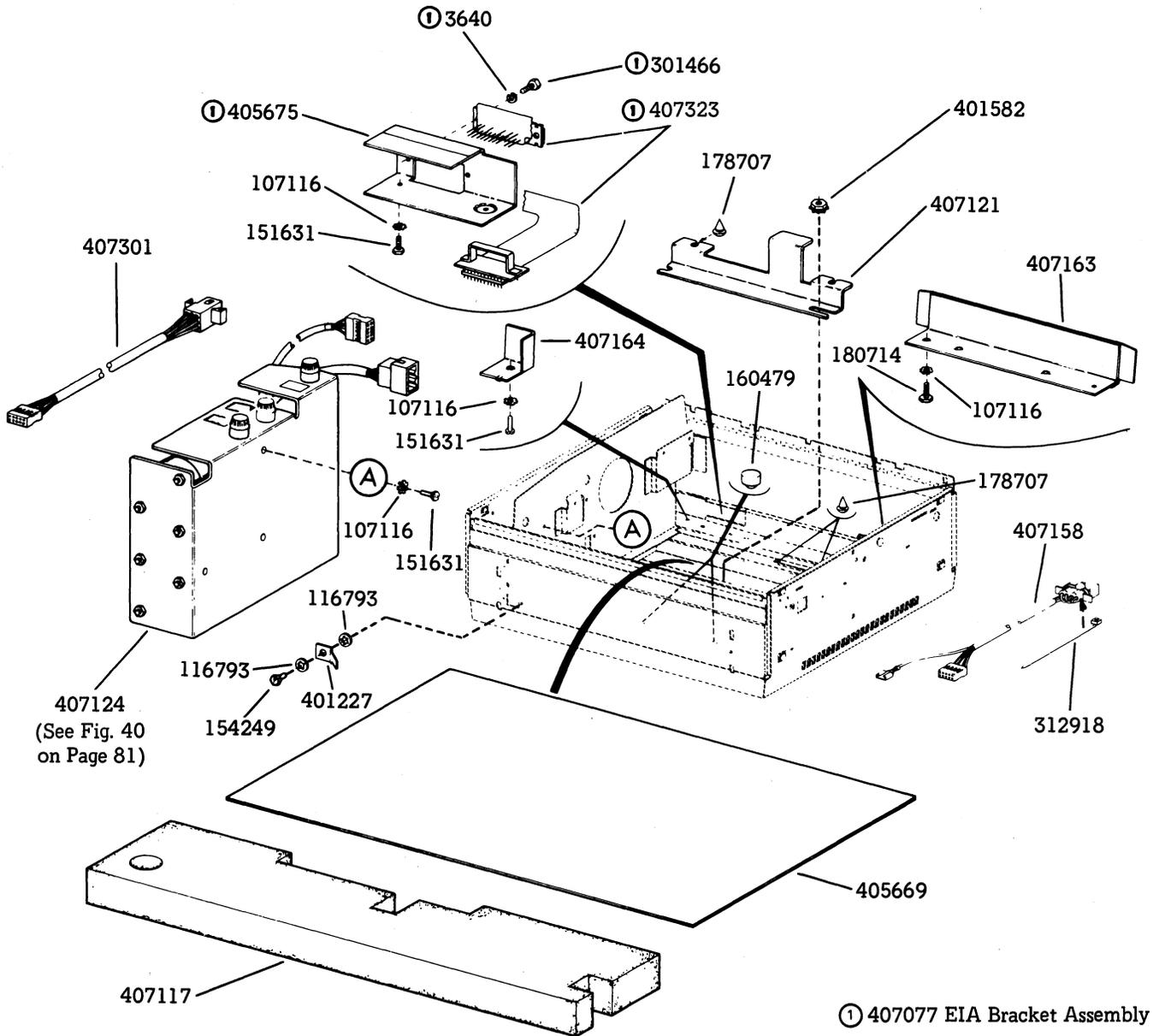
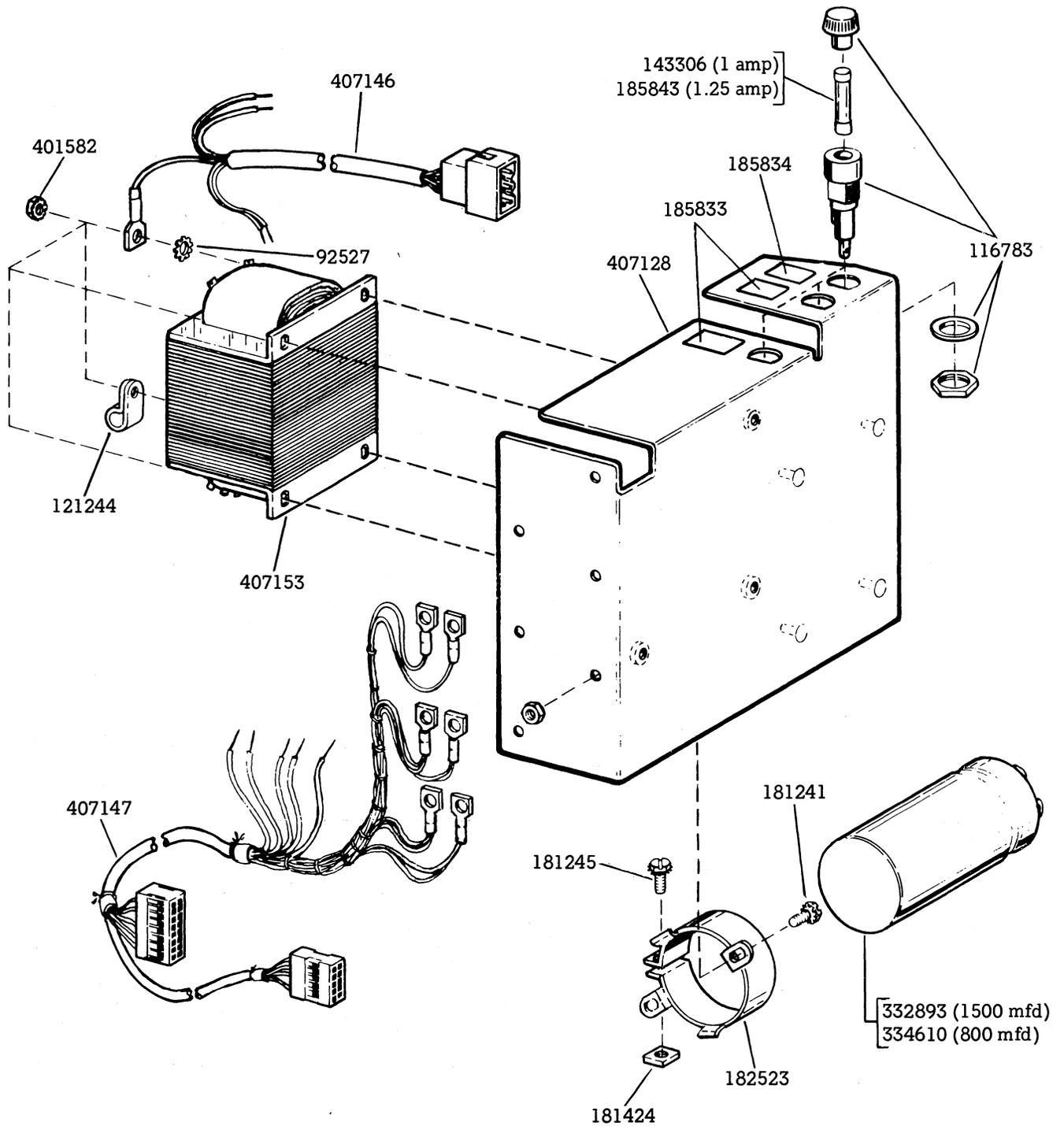


Fig. 39-407100 and 407102 Modification Kits for 40CAB371/ZZ Cabinets



Specification 50854S

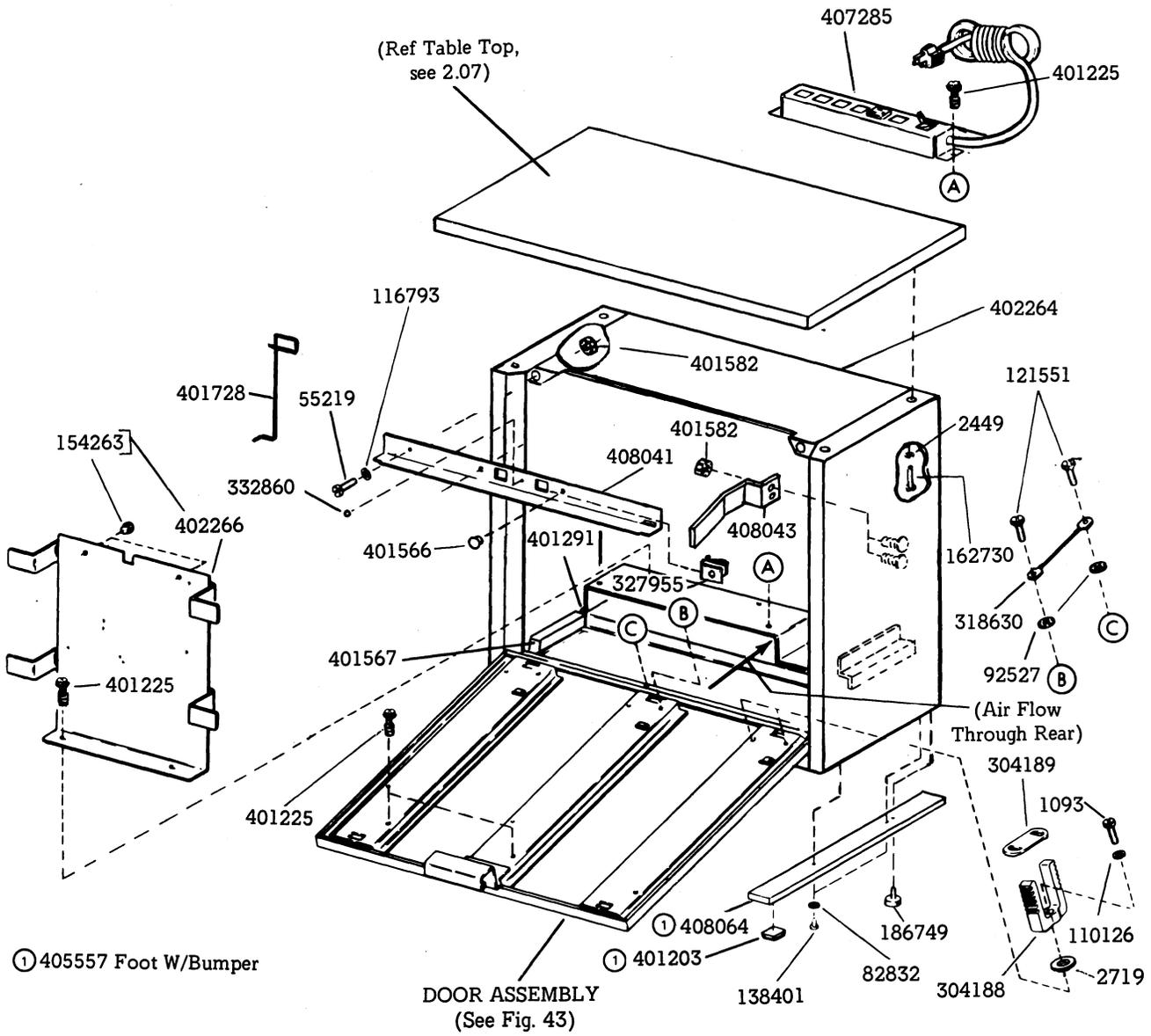
Fig. 40—407101 Modification Kit for 40CAB371/ZZ Cabinet



Specification 50854S

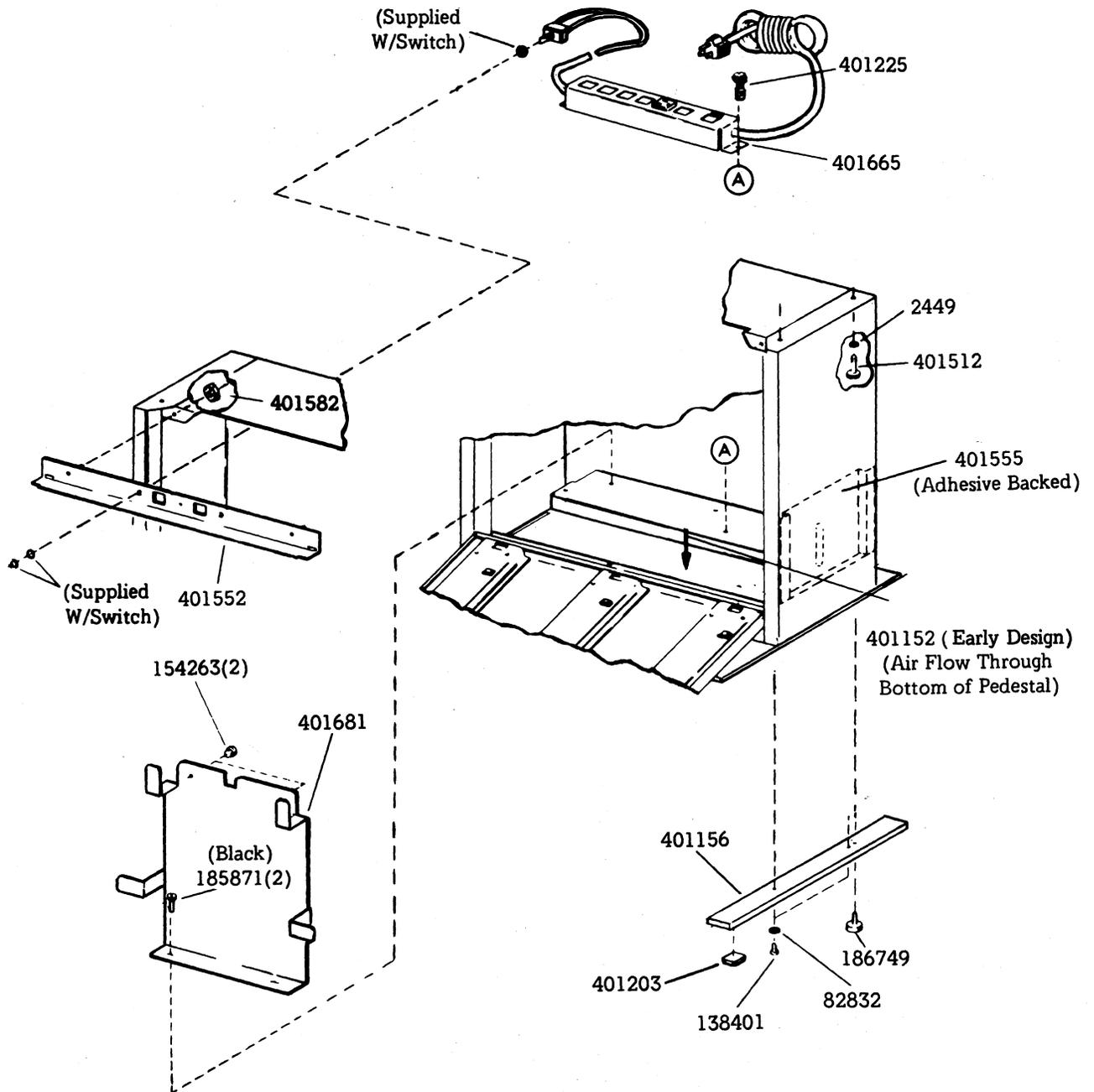
Note: All parts shown are assembled as 407124 power supply.

Fig. 40-407101 Modification Kit for 40CAB371/ZZ Cabinet (Cont)



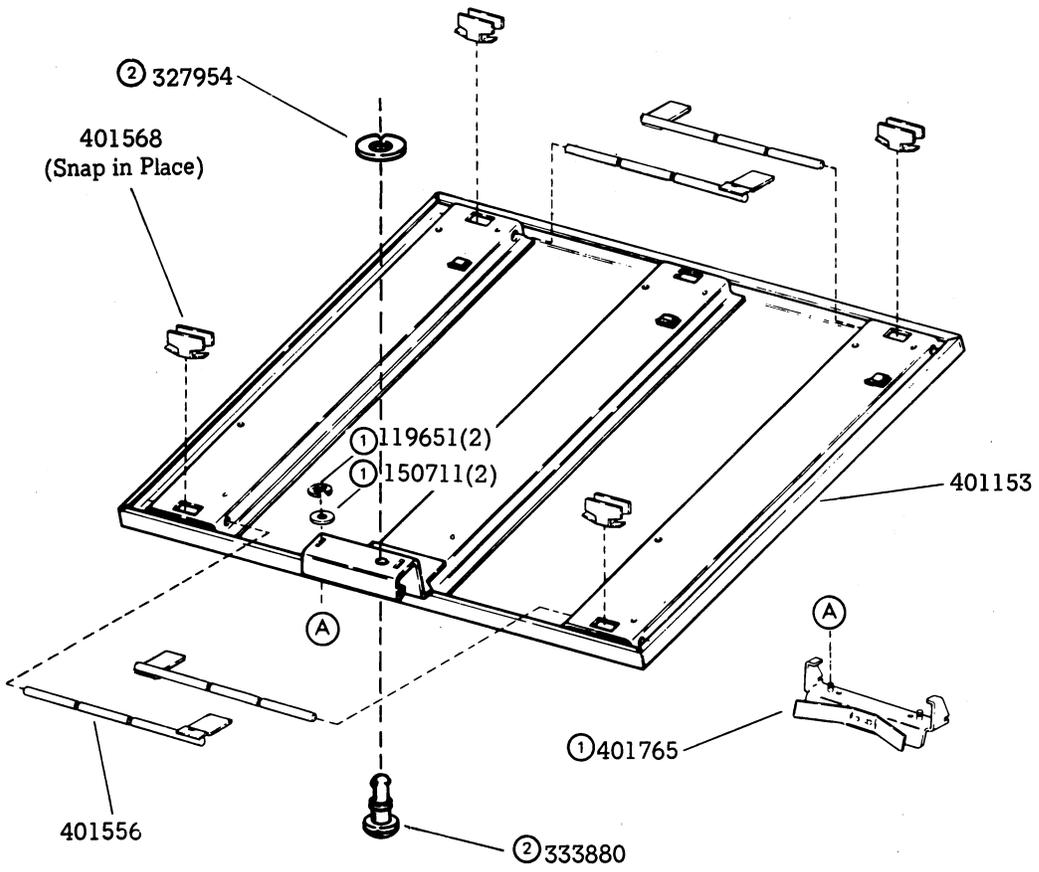
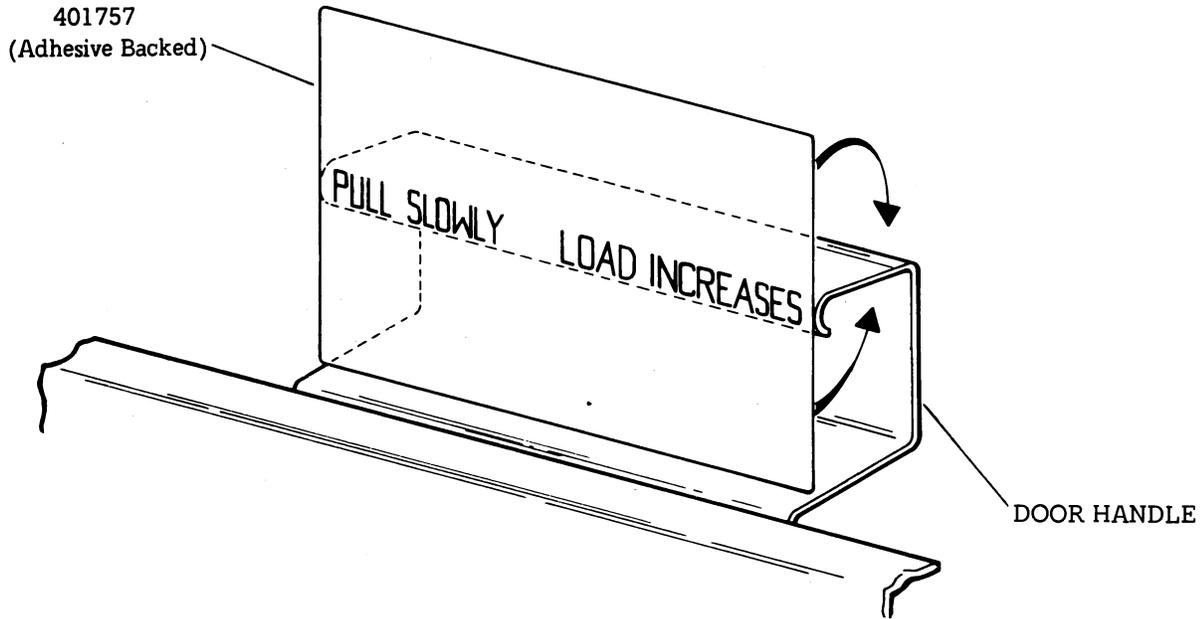
Late Design
(For early design parts, see Fig. 42.)

Fig. 41-40CAB901 Series Cabinet (Late Design)



Early Design
(For late design parts, see Fig. 41.)

Fig. 42-40CAB901 Series Cabinet (Early Design)



- ① Early design parts.
- ② Late design parts.

Fig. 43—Pedestal Door Components

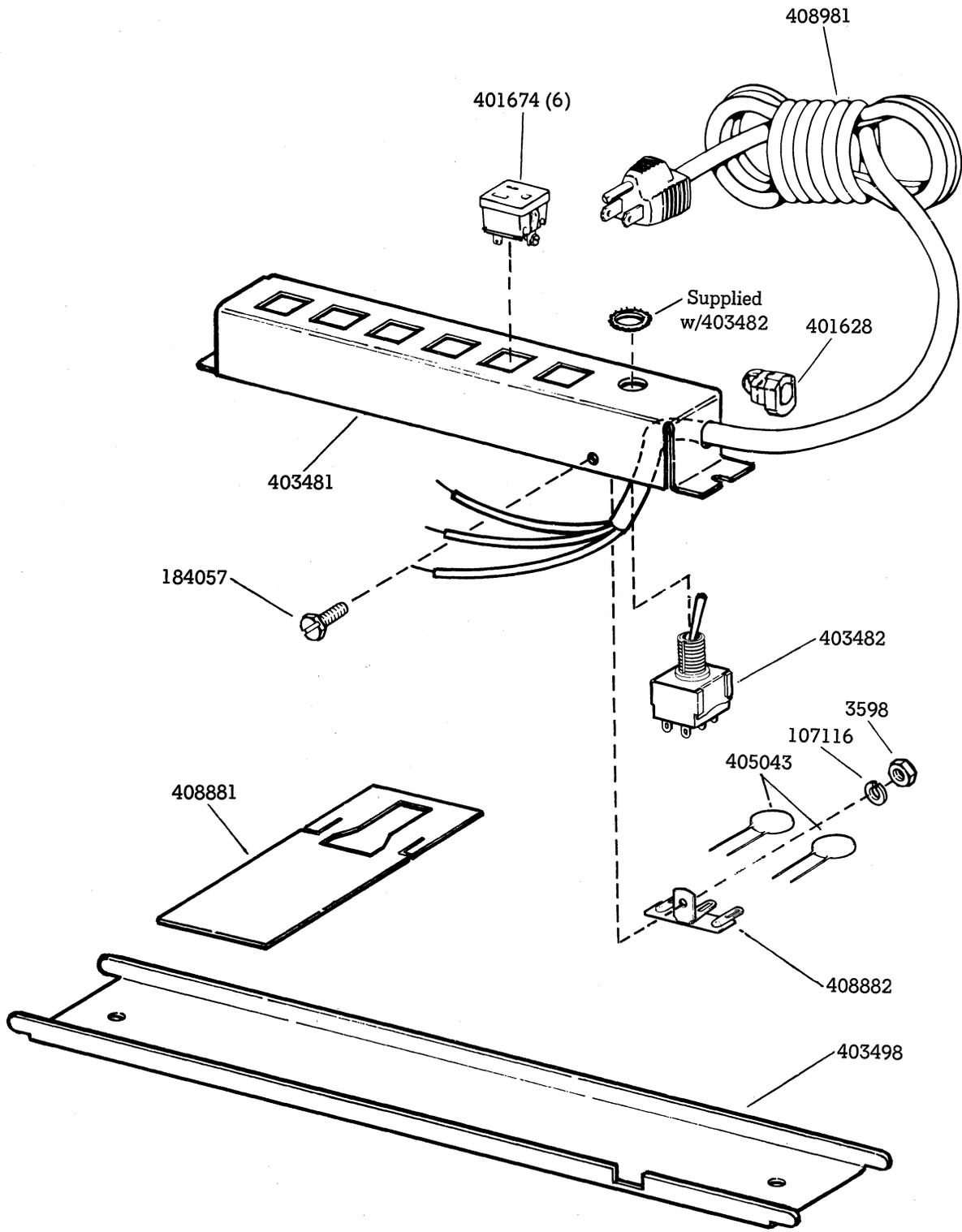


Fig. 44-407285 AC Distribution Assembly (Late Design)

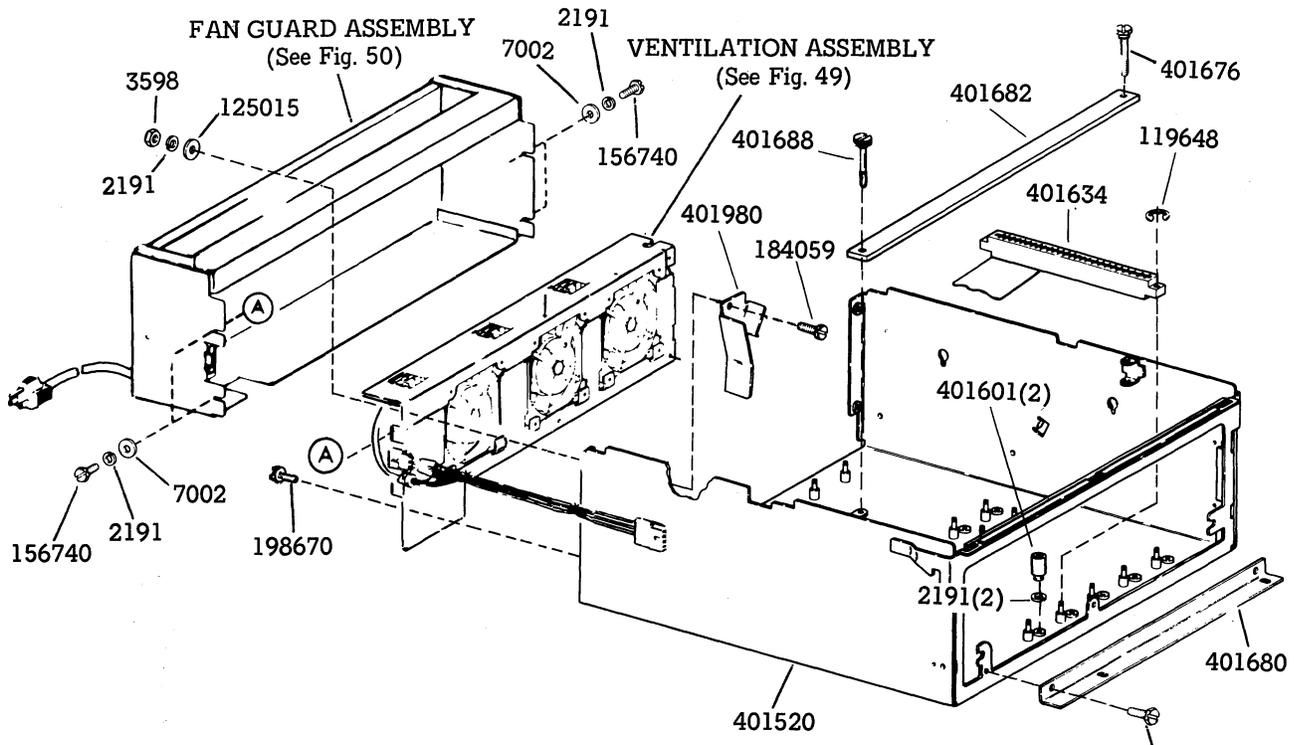


Fig. 46 - 407378 RO Module Assembly for 40CAB901/AF Cabinet
(Air-Flow Through Rear)

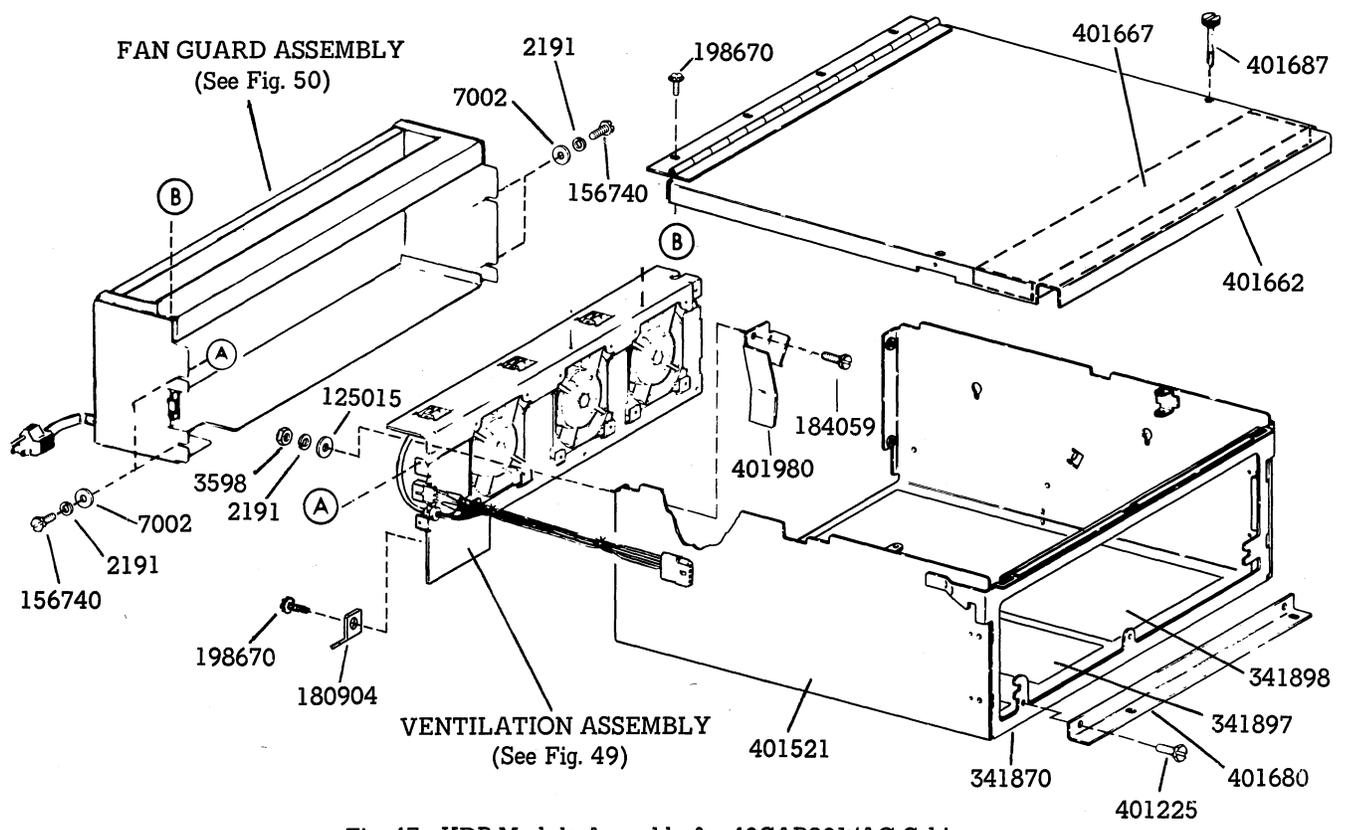
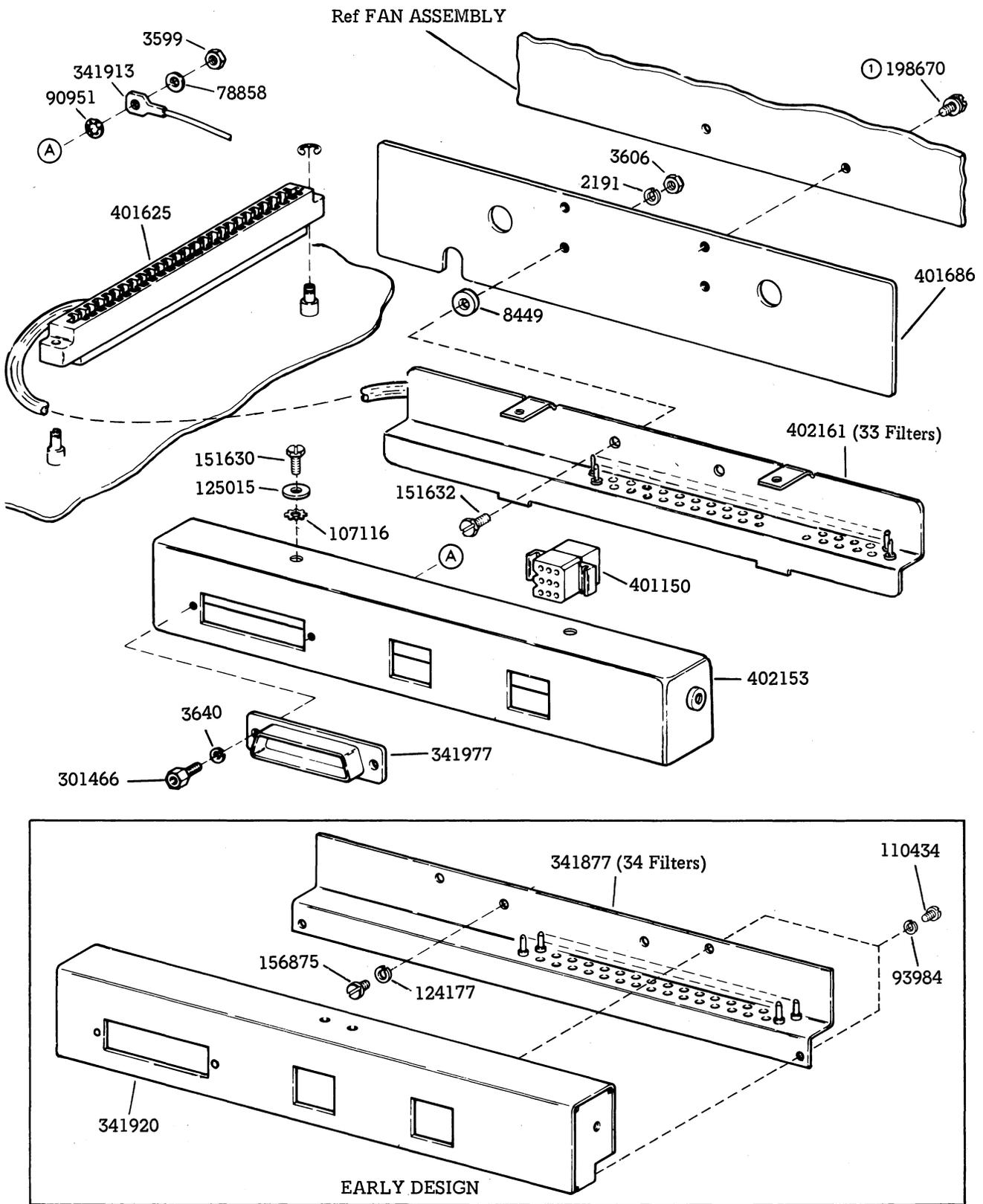


Fig. 47 - KDP Module Assembly for 40CAB901/AG Cabinet
(Air-flow Through Rear)



① Not Part of 401643

Fig. 48—401643 RO Controller Cable Assembly

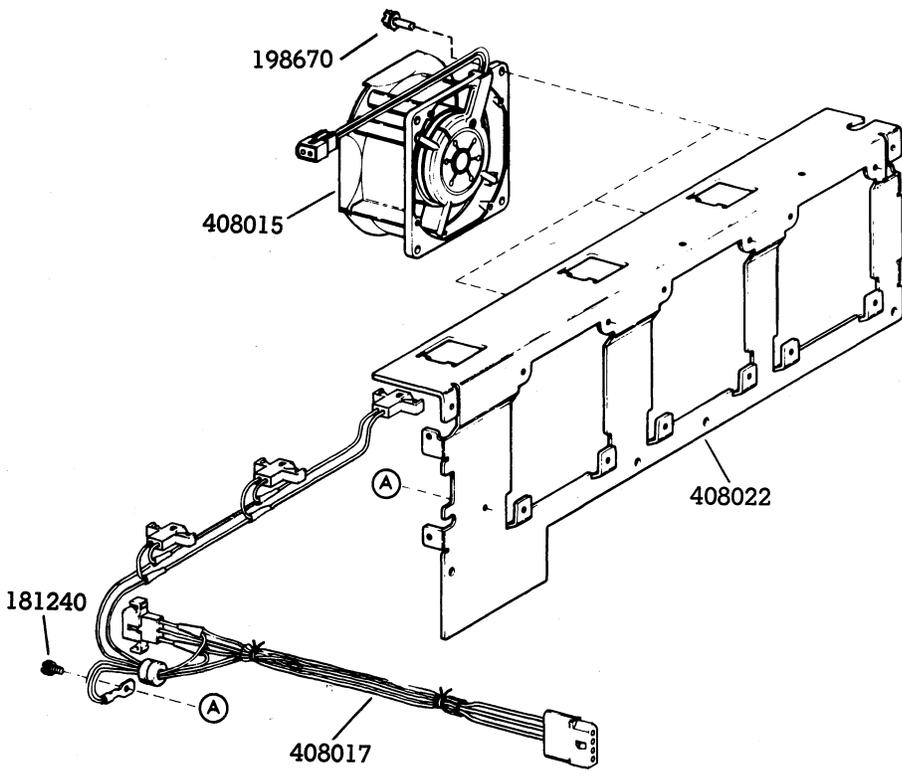


Fig. 49-408050 Ventilation Assembly

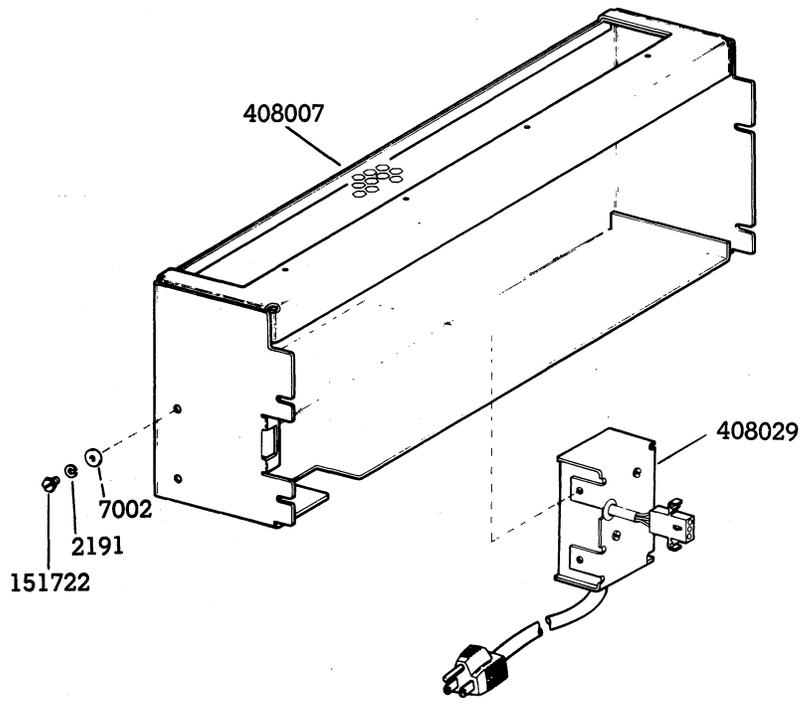


Fig. 50-408030 Fan Guard Assembly

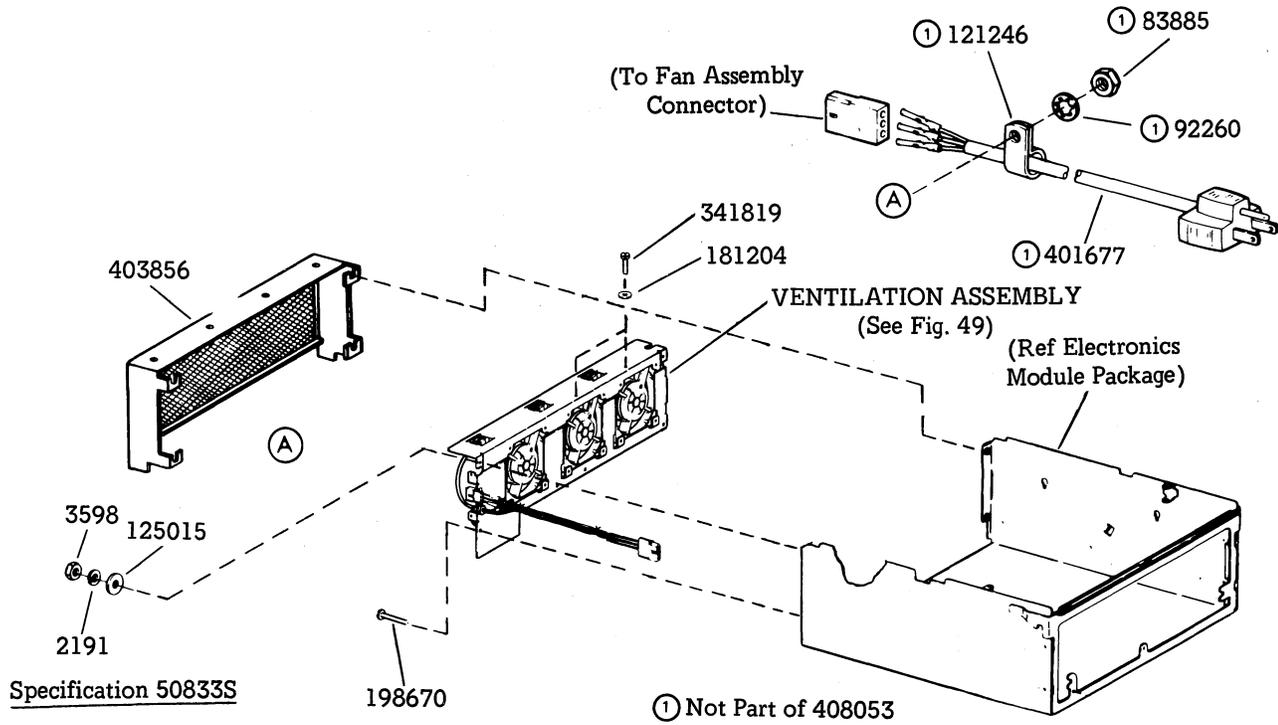


Fig. 51—408053 Modification Kit to Provide Ventilation Assembly to 40CAB901/AF, AG (Air-flow Through Bottom) and 40CAB902/AB Cabinets

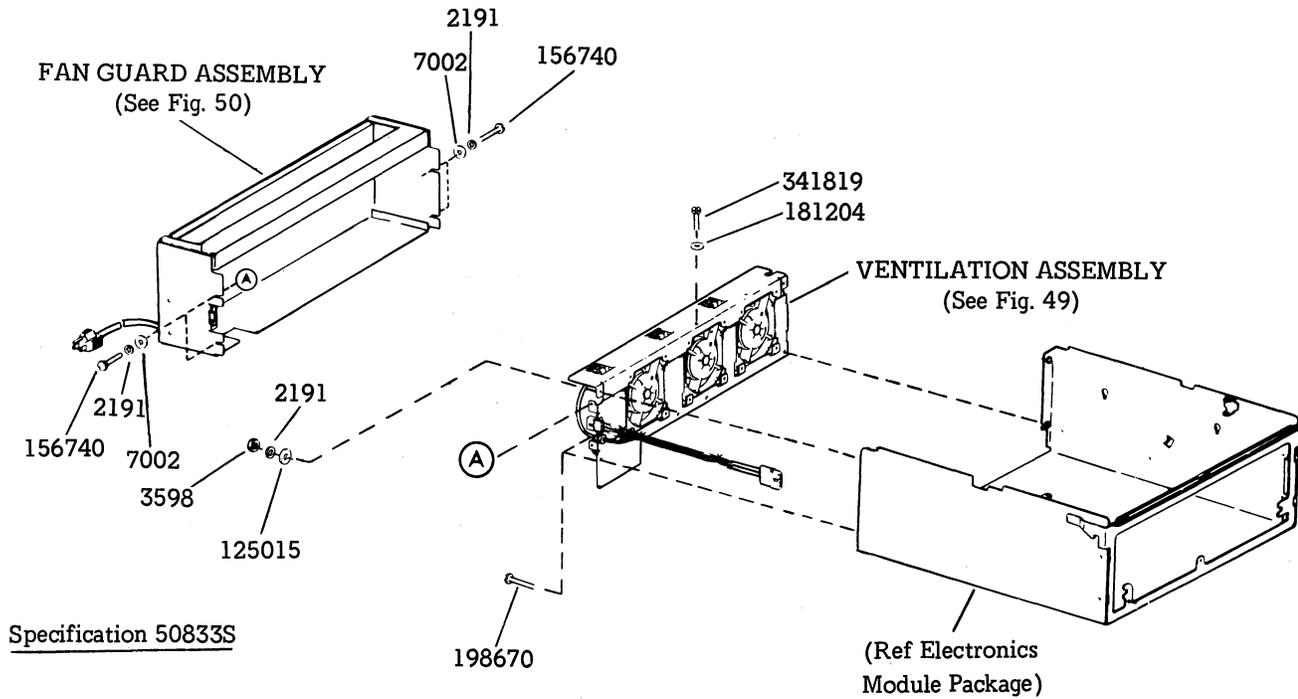


Fig. 52—408054 Modification Kit to Provide Ventilation Assembly to 40CAB901/AF and AG (Air-Flow Through Rear)

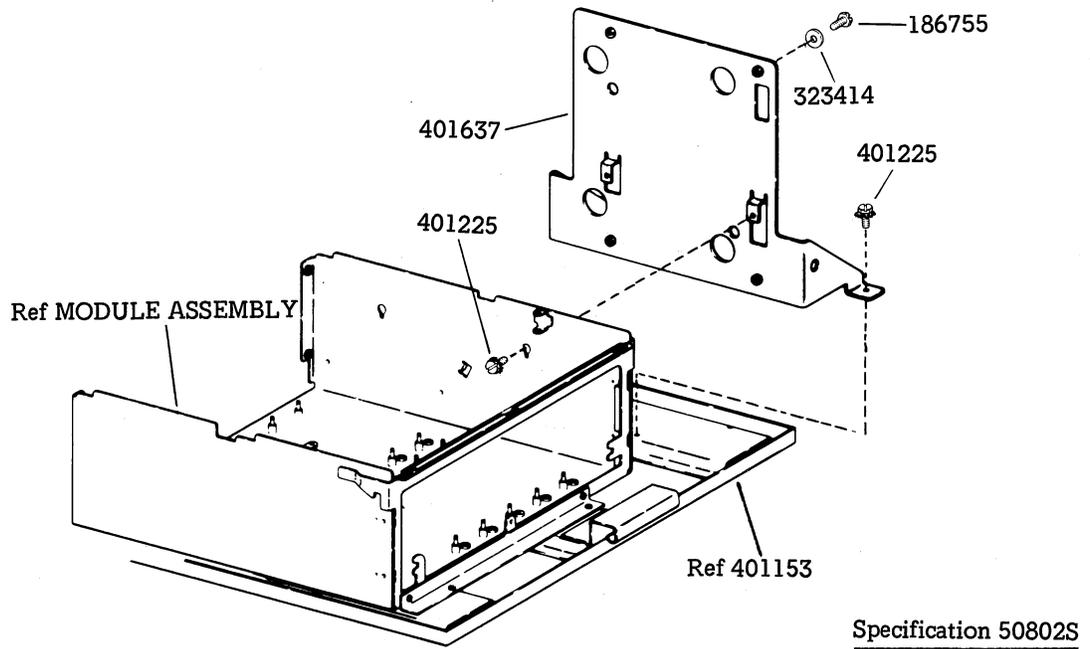


Fig. 53—401725 Modification Kit to Provide a Pedestal Type DATASPEED 40 Cabinet With Data Set 202D or 202R Mounting Facilities (40CAB901/XX)

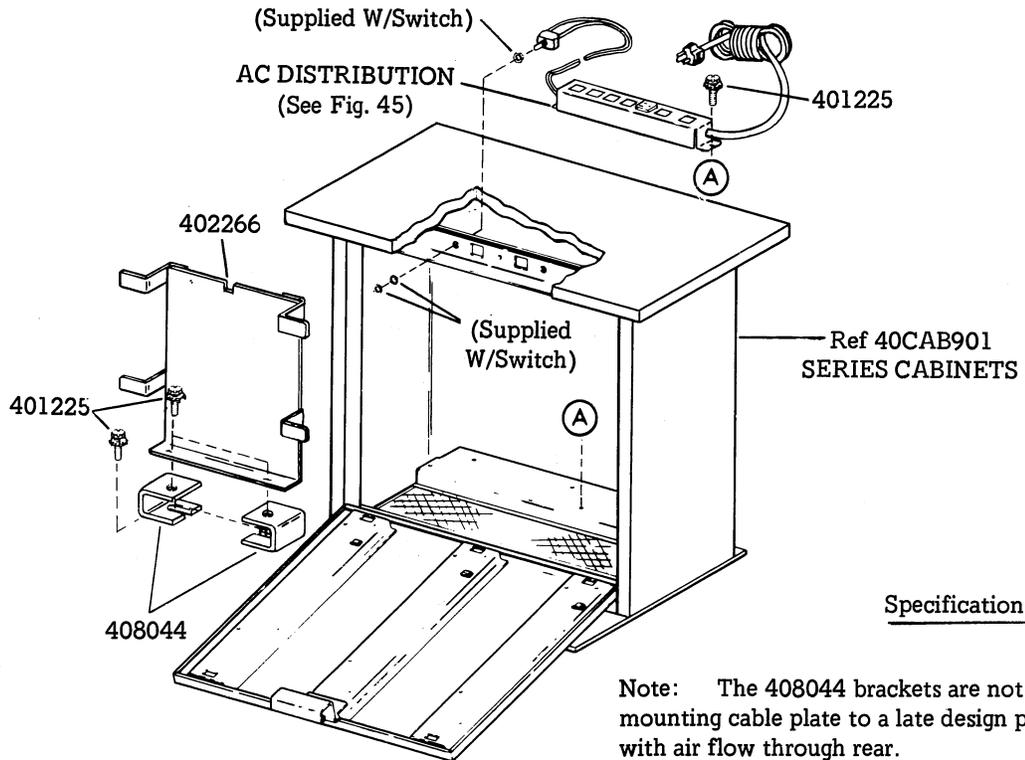
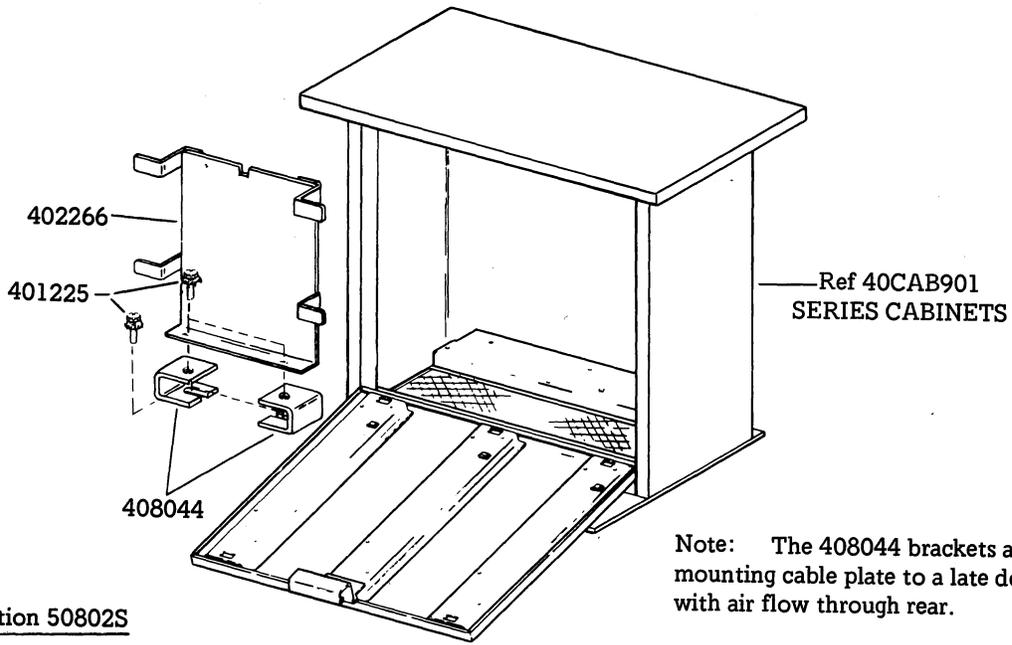


Fig. 54—408045 Modification Kit to Provide a Pedestal With AC Power Distribution, Terminal Block, Transformer Mounting Facility and Cable Storage



Specification 50802S

Fig. 55—408047 Modification Kit to Provide Cable Storage Facilities

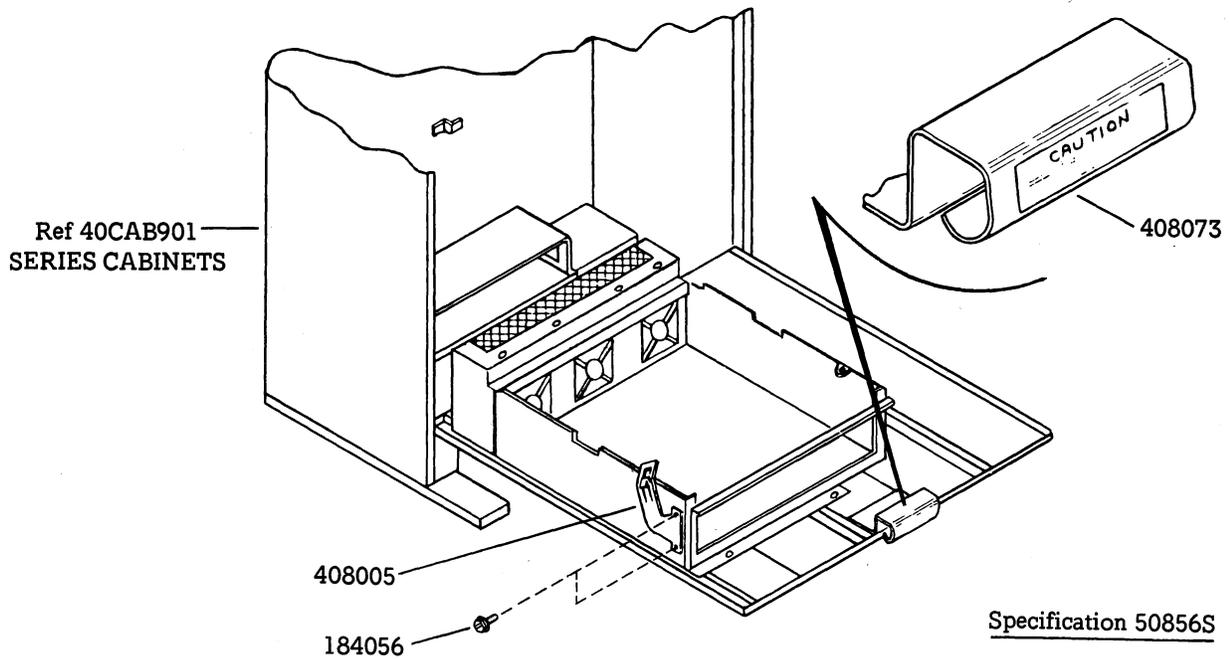


Fig. 56—408049 Modification Kit to Provide Warning Latch and Label

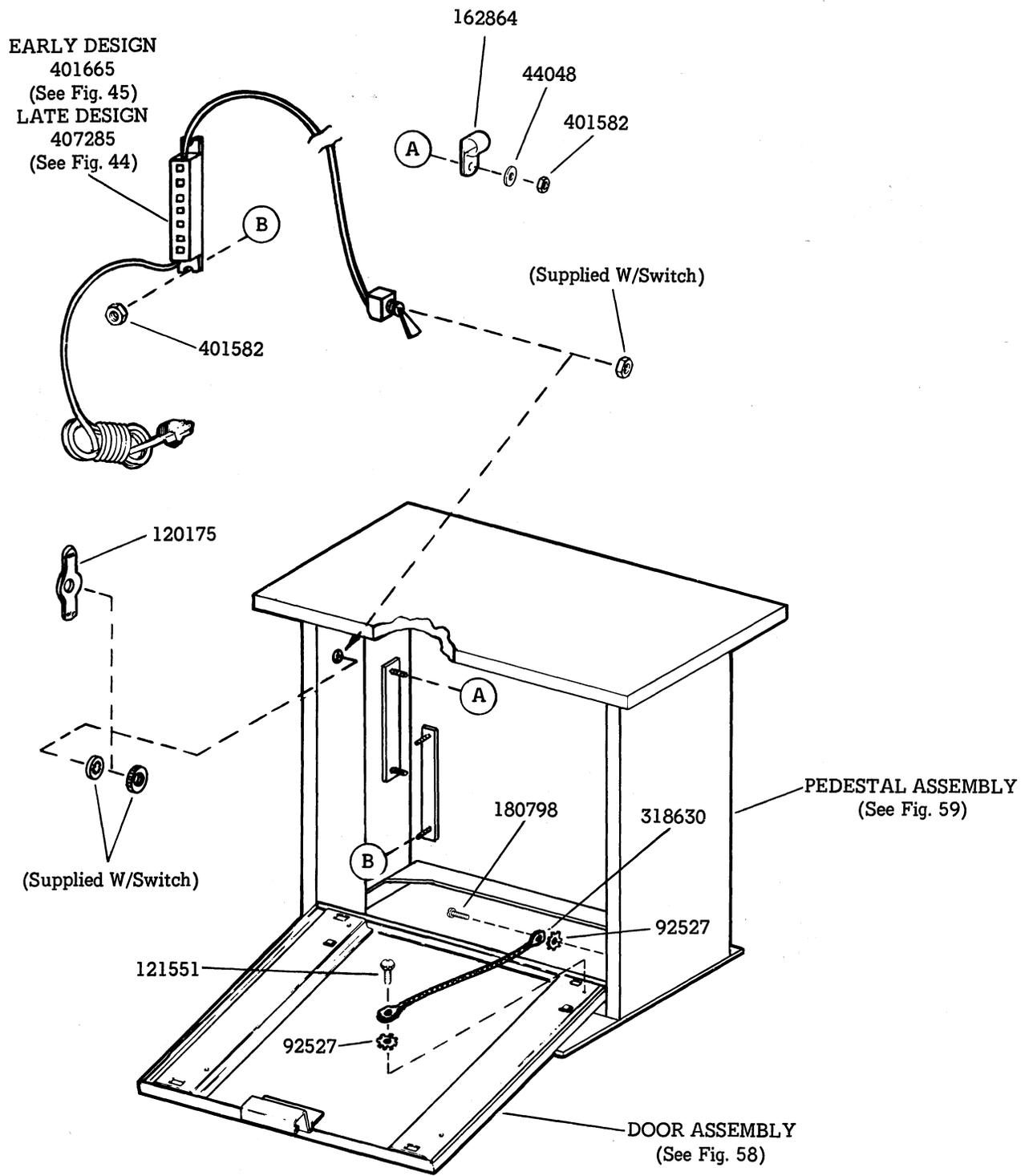


Fig. 57-40CAB902/XX Cabinet (Pedestal Type)

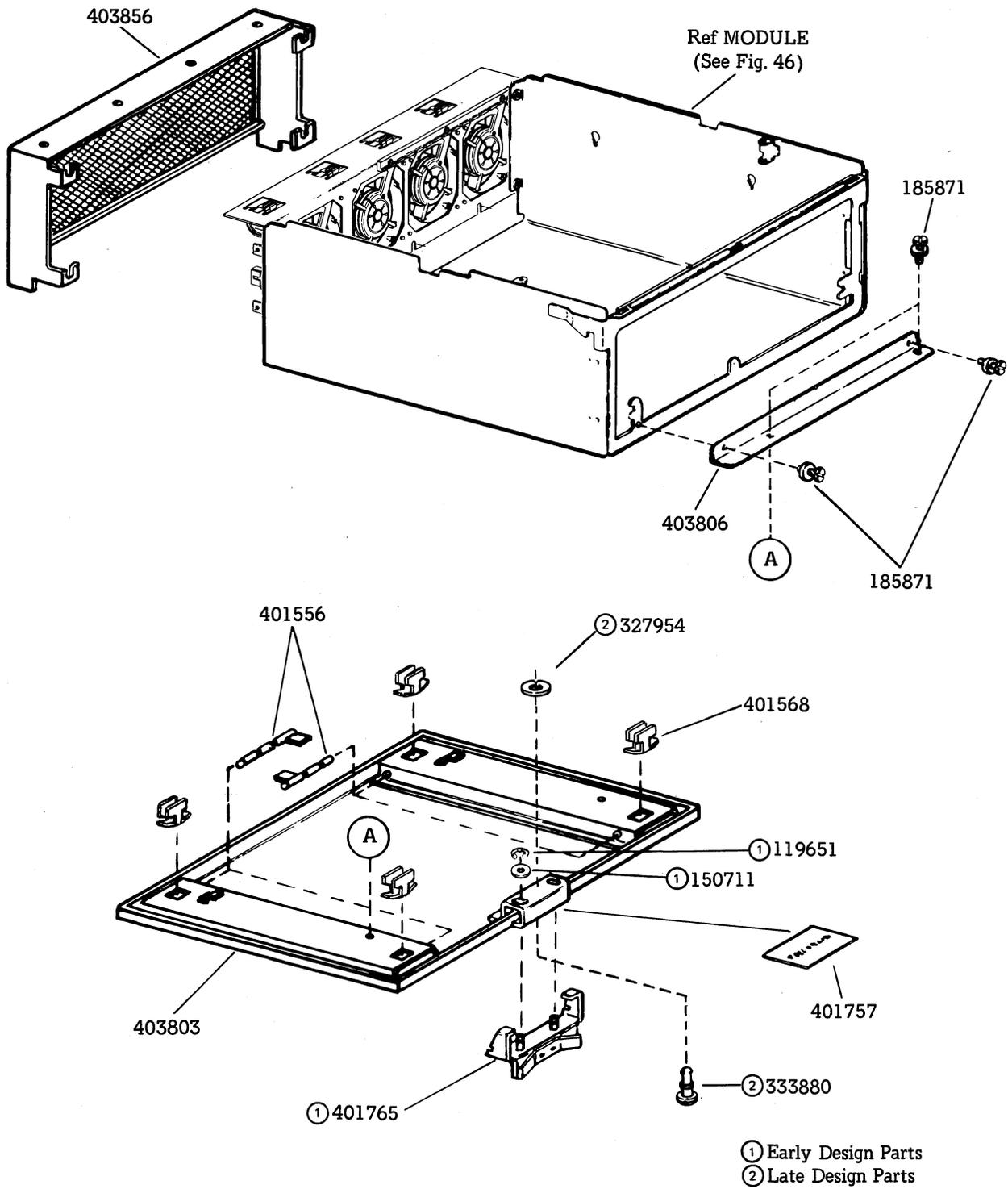
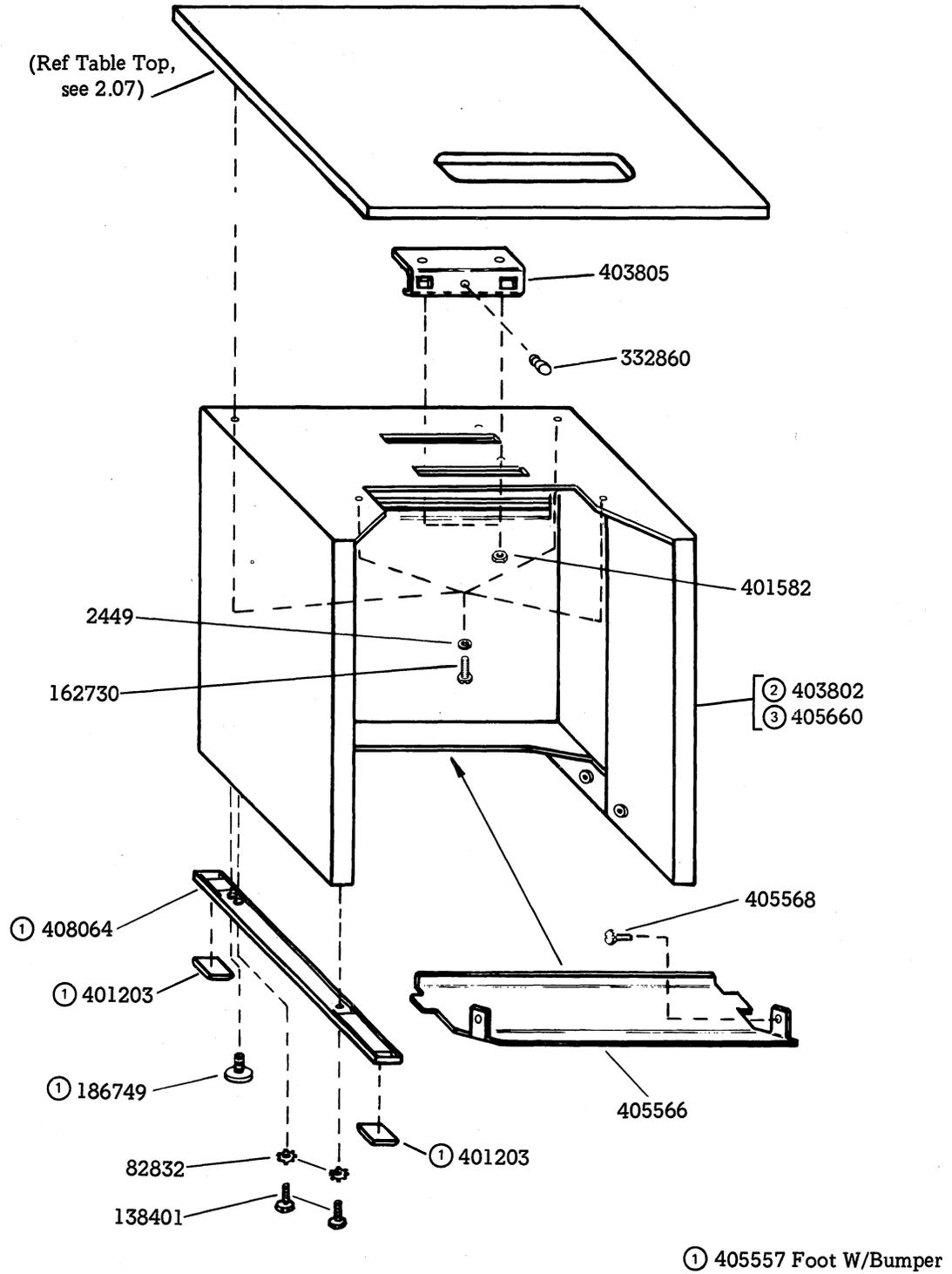


Fig. 58—Pedestal Door and Module



- ② Peculiar to 40CAB902
- ③ Peculiar to 40CAB904

Fig. 59-40CAB902 and 40CAB904 Pedestals

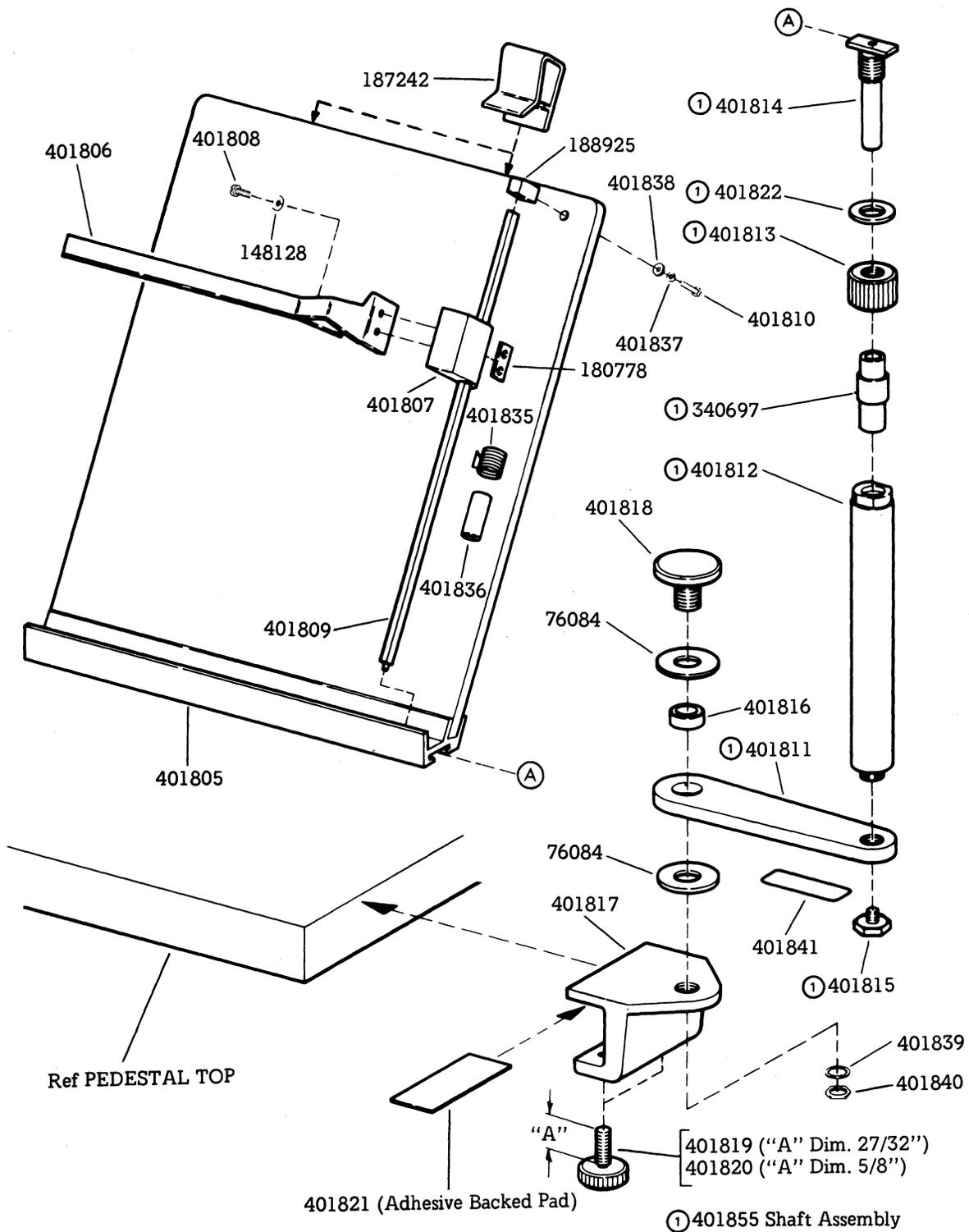


Fig. 60-401200 DATASPEED 40 Copyholder

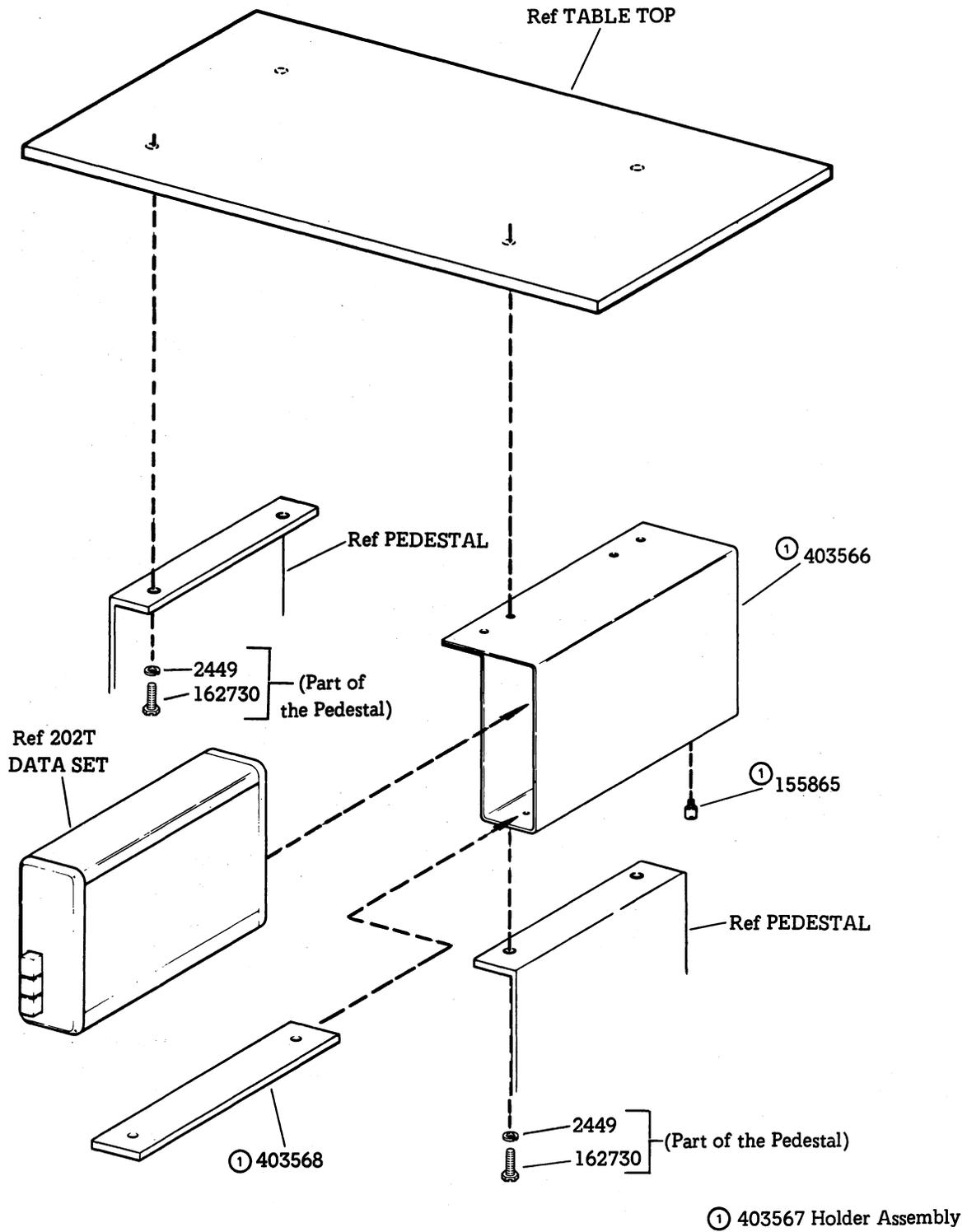


Fig. 61—403567 Holder Assembly for Mounting a Data Set 202S or 202T to a Pedestal Type DATASPEED 40 Cabinet

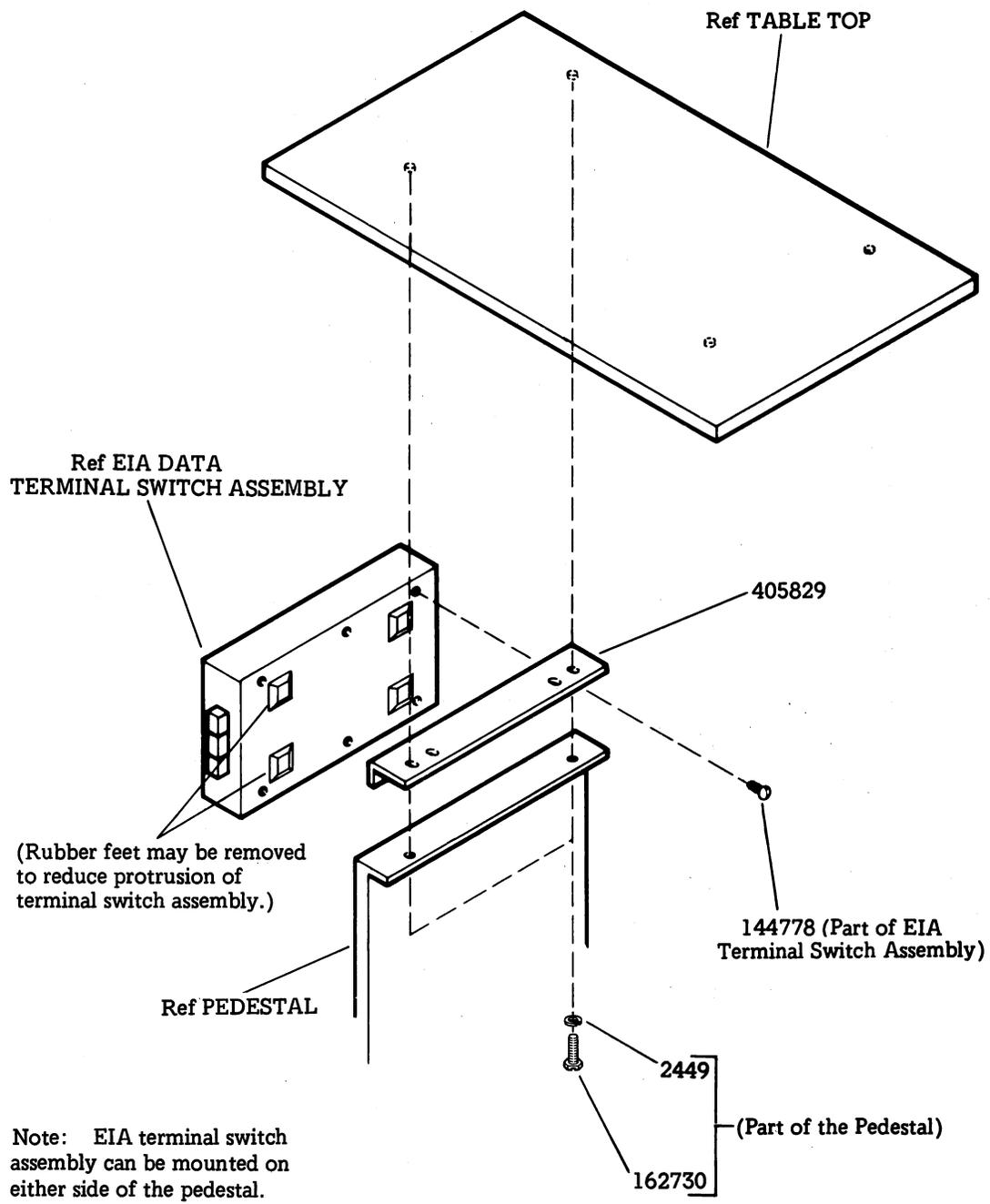


Fig. 62—Mounting for the 345630 EIA Terminal Switch Assembly

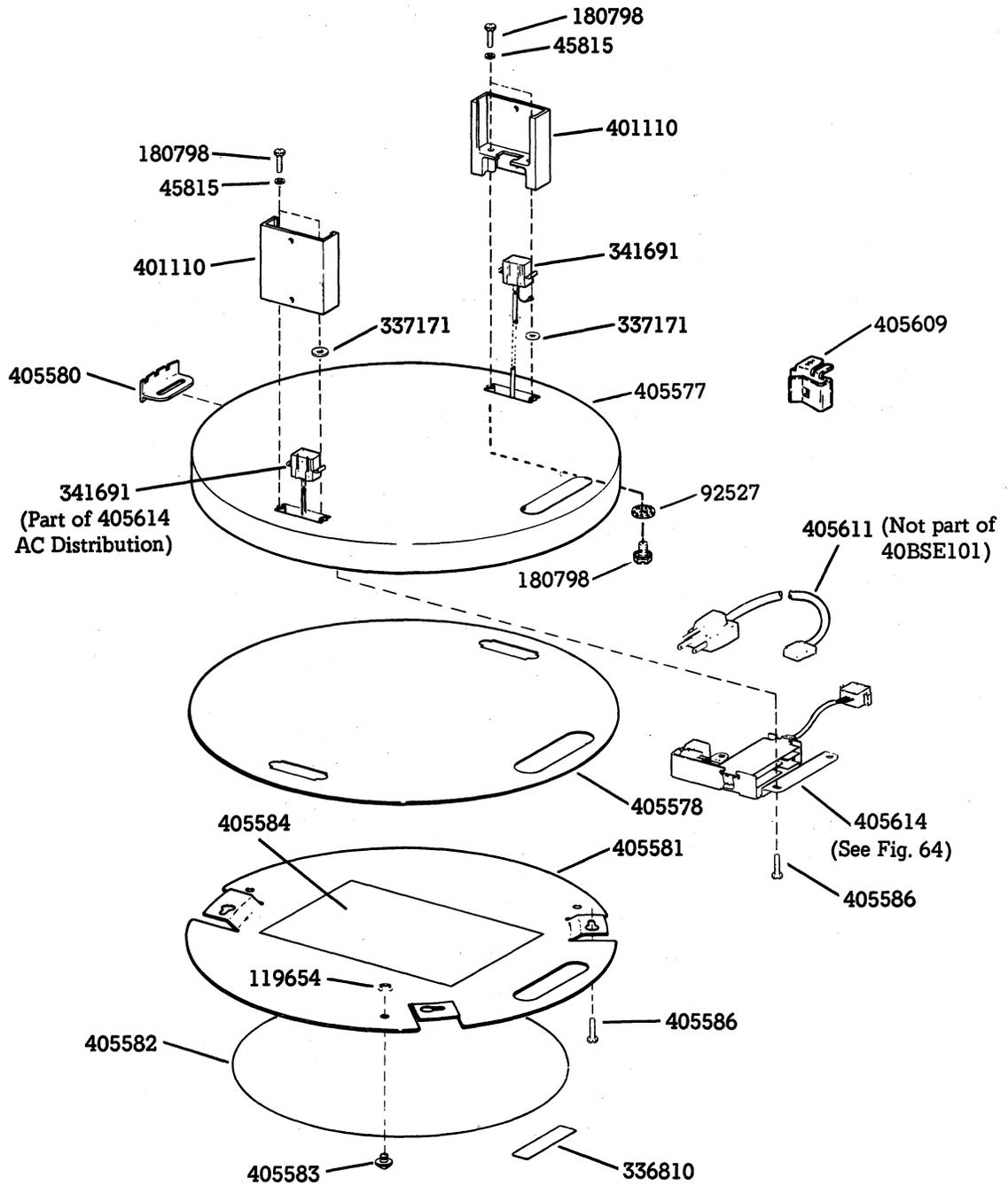


Fig. 63-40BSE101 Monitor Base

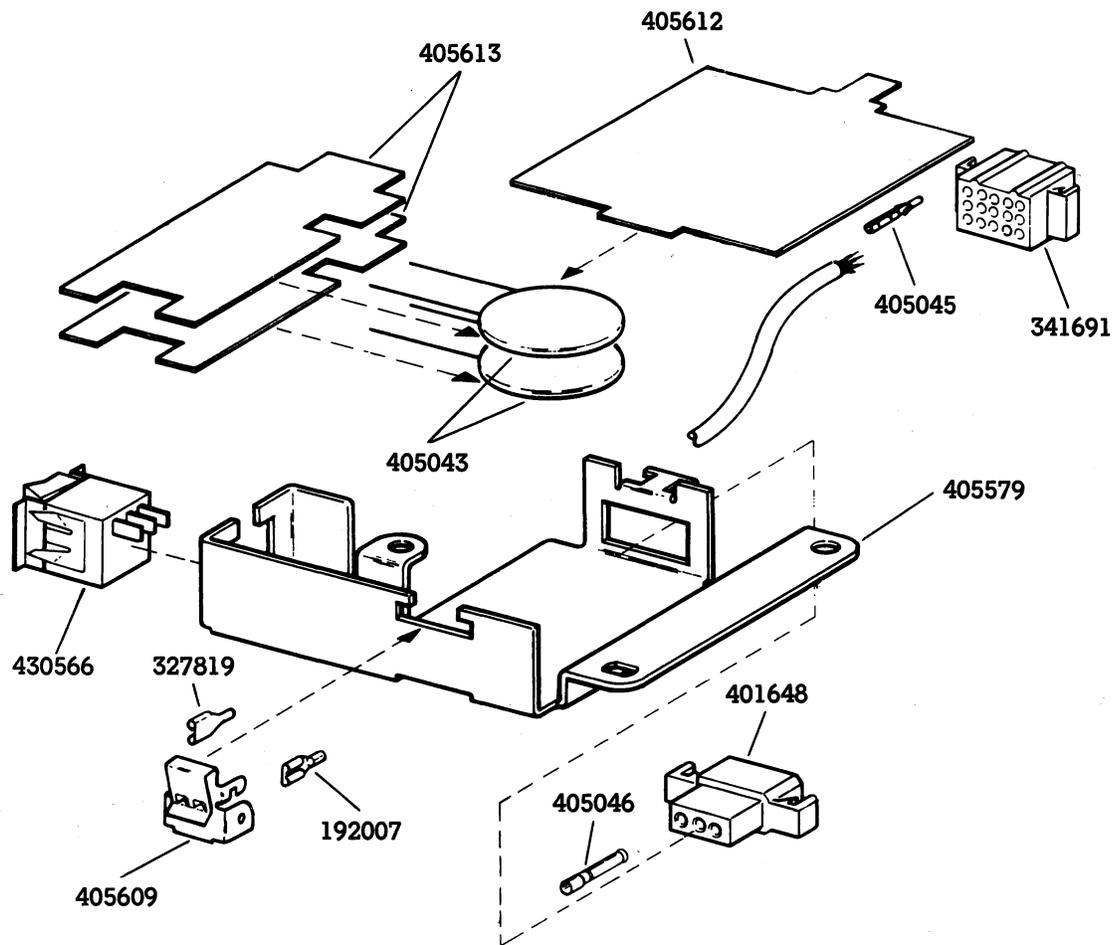


Fig. 64-405614 AC Distribution Assembly

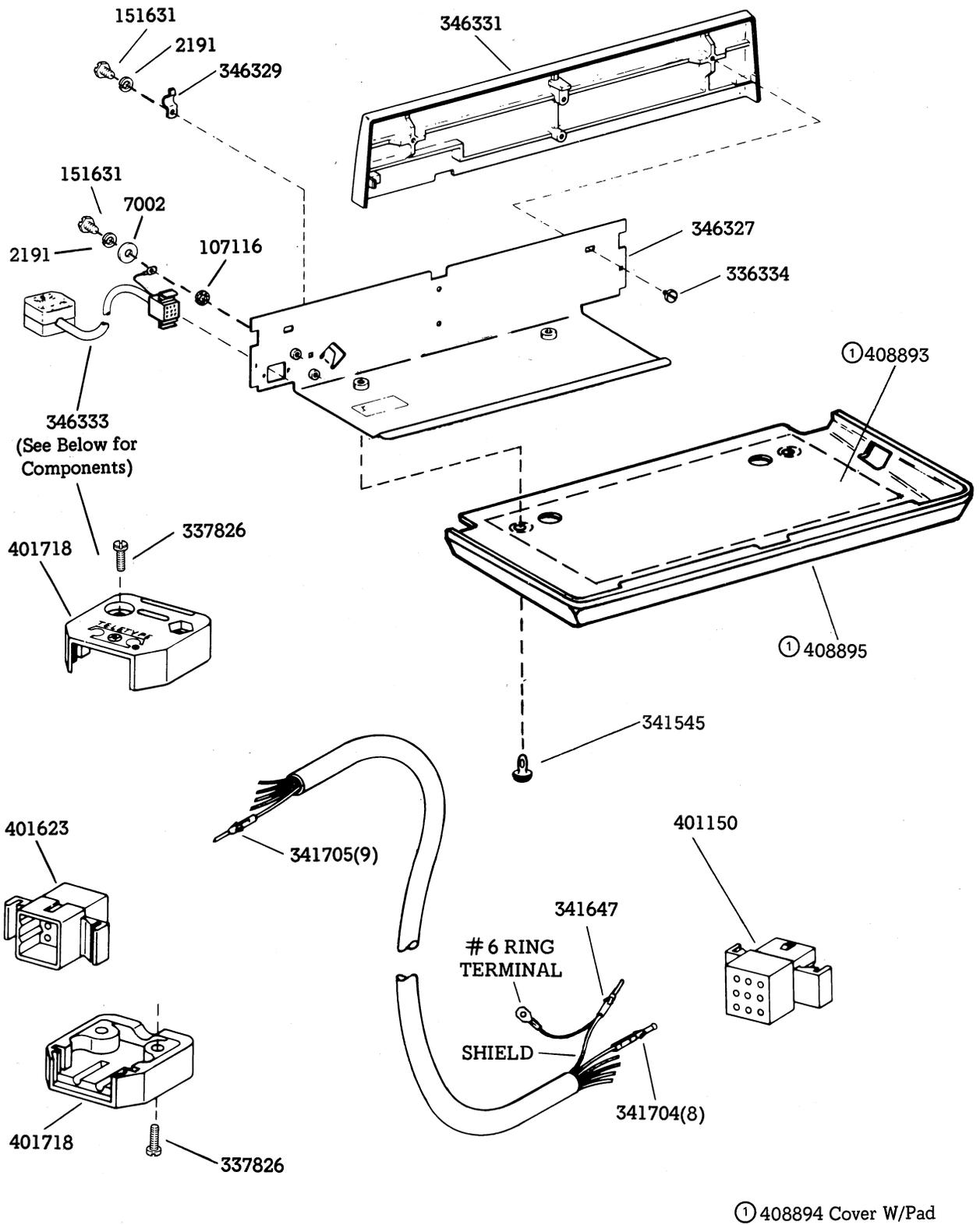


Fig. 65-40BSE201 Operator Console (KD) Base

SECTION 582-212-700

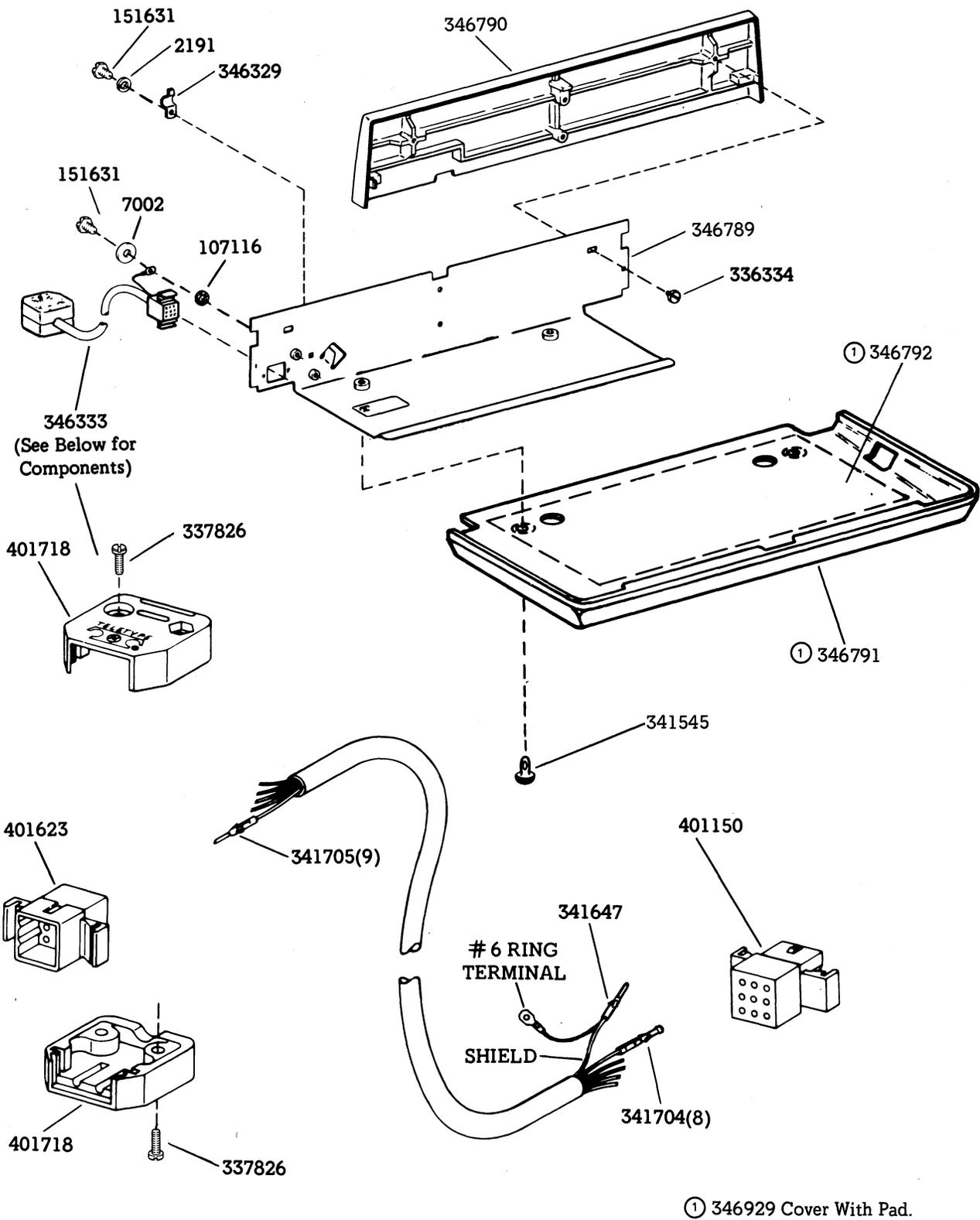


Fig. 66-40BSE202 Operator Console (KD) Wide Base

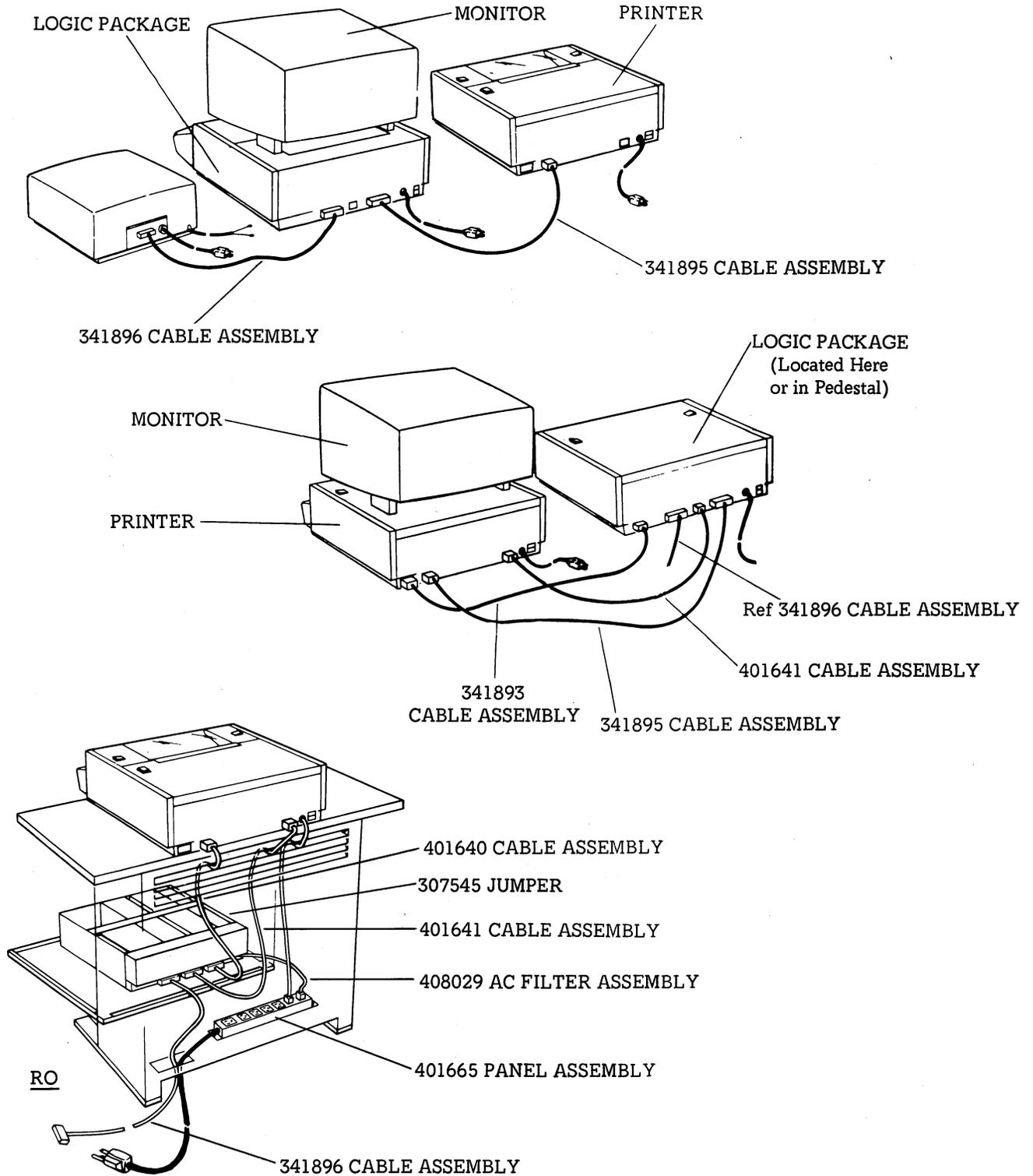


Fig. 67 - Interconnecting Cables for KDP and RO Sets

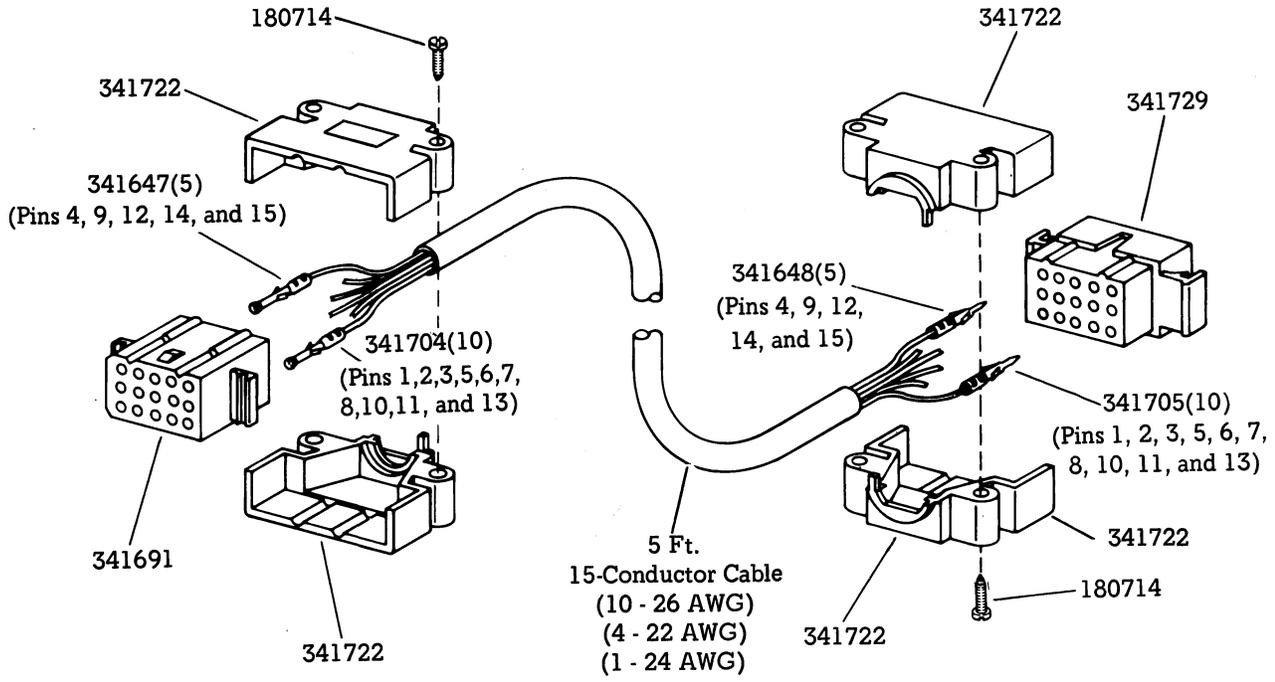


Fig. 68—341893 Monitor Extension Cable Assembly

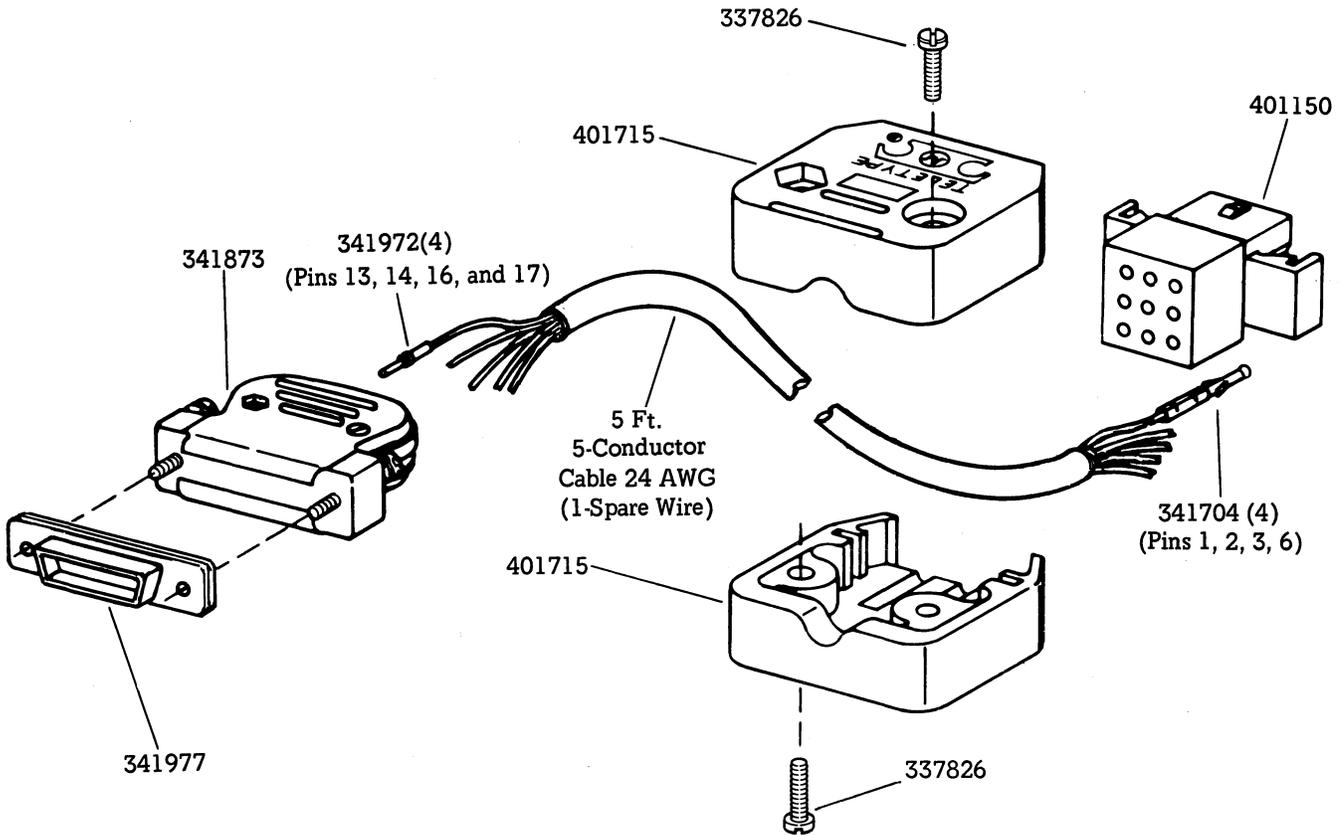


Fig. 69—341895 Printer Extension Cable Assembly

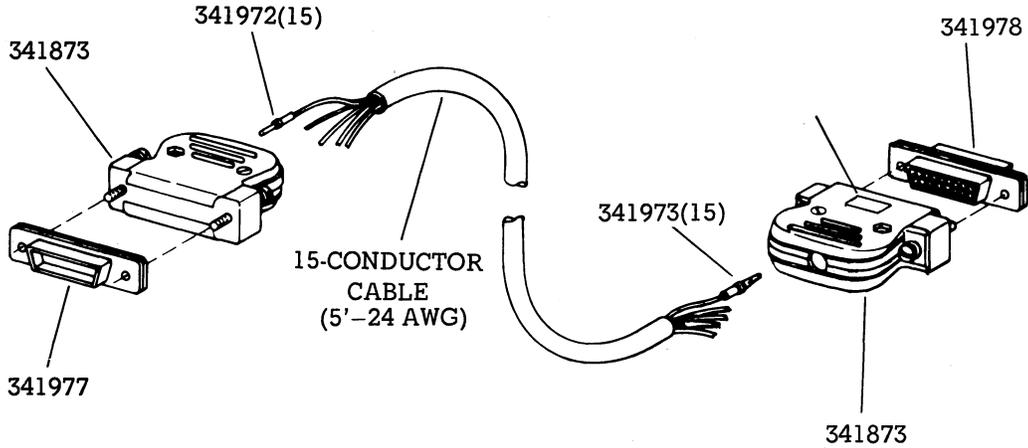
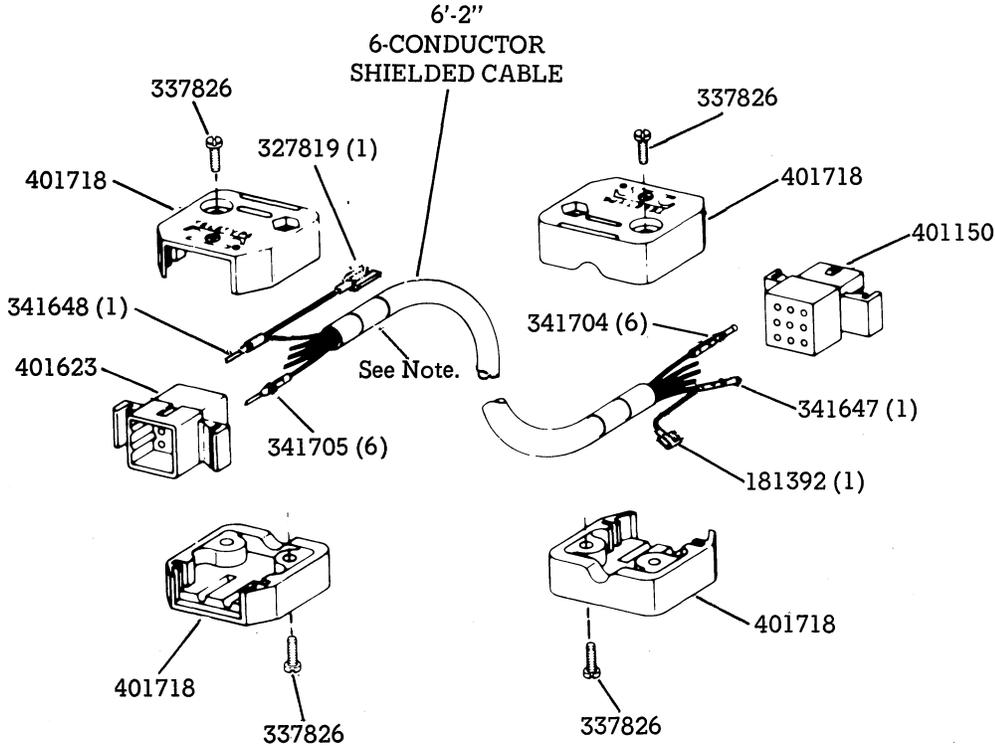
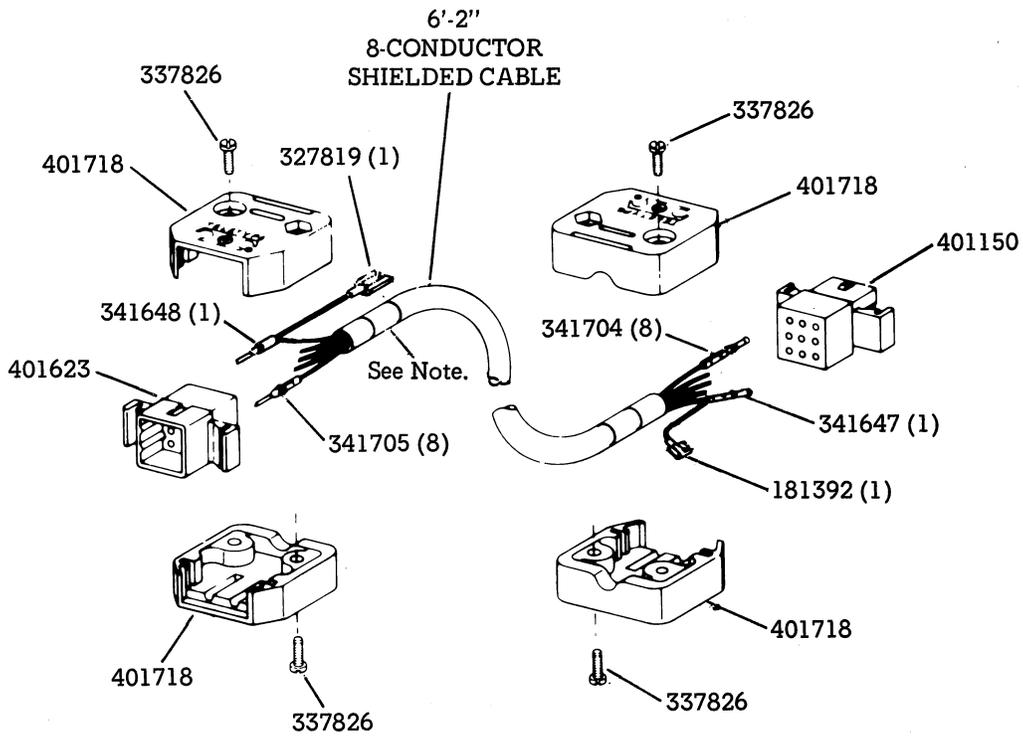


Fig. 70-341896 Data Set Cable Assembly



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

Fig. 71-401640 Printer Extension Cable Assembly



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

Fig. 72-401641 Opcon Extension Cable Assembly

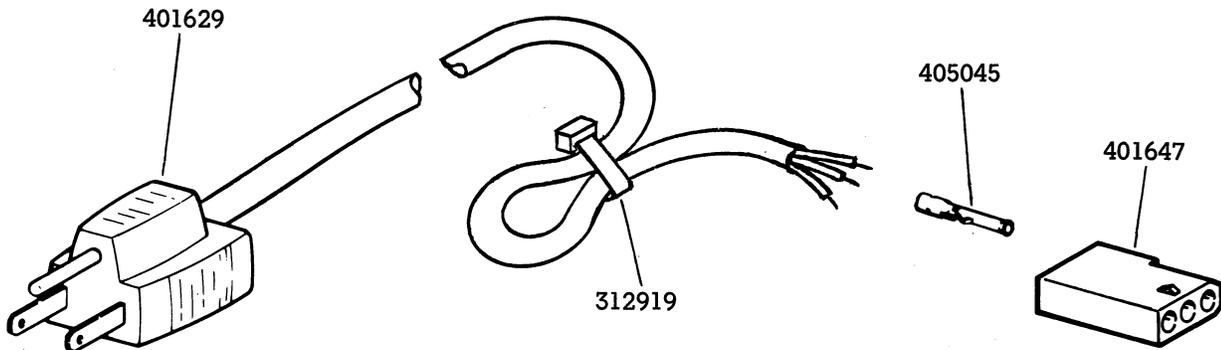


Fig. 73-405611 AC Cord Assembly

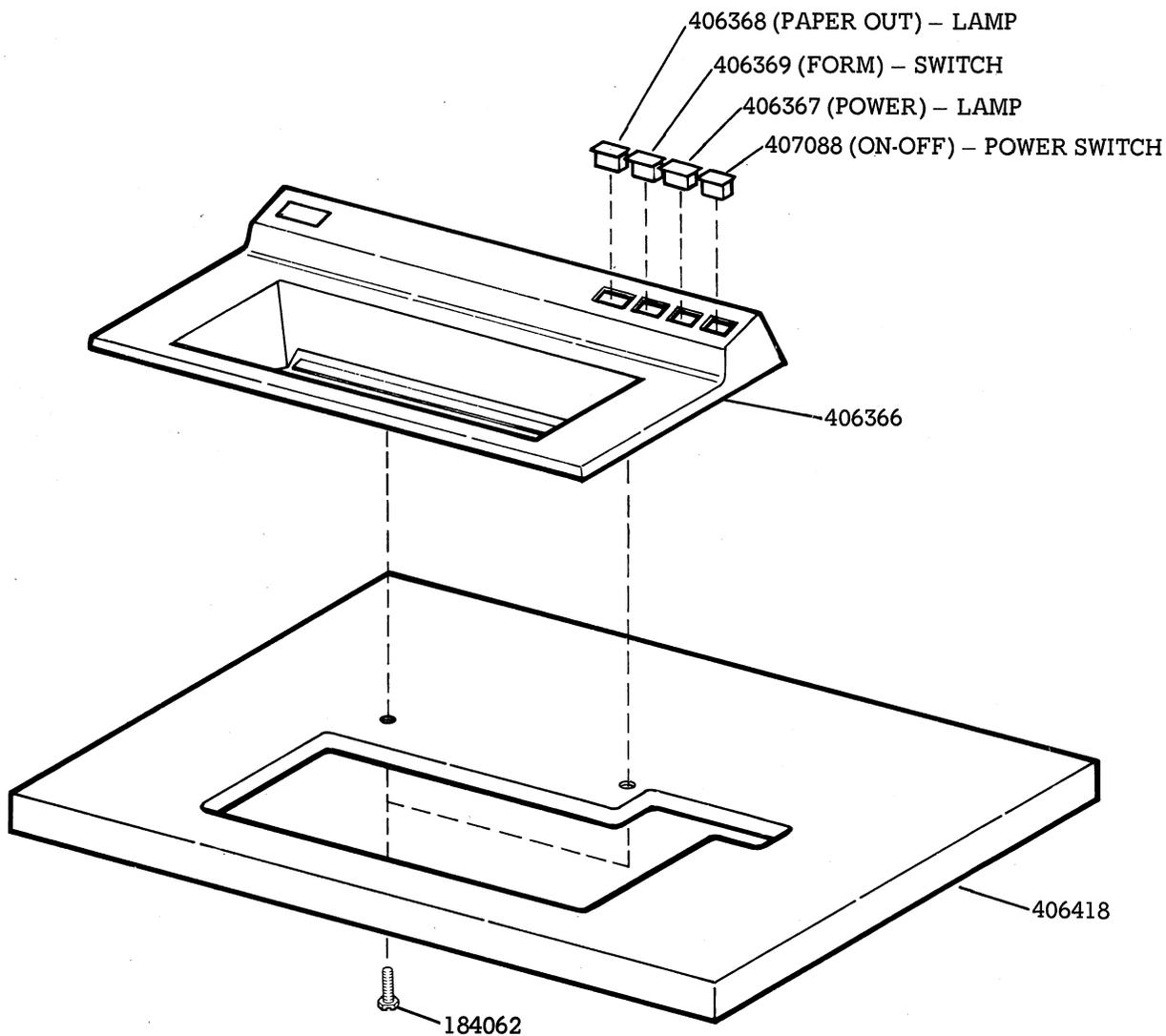


Fig. 74-40CAB302/ZZ Printer Cabinet Core for Forms Access Printer Cabinet (Cont)

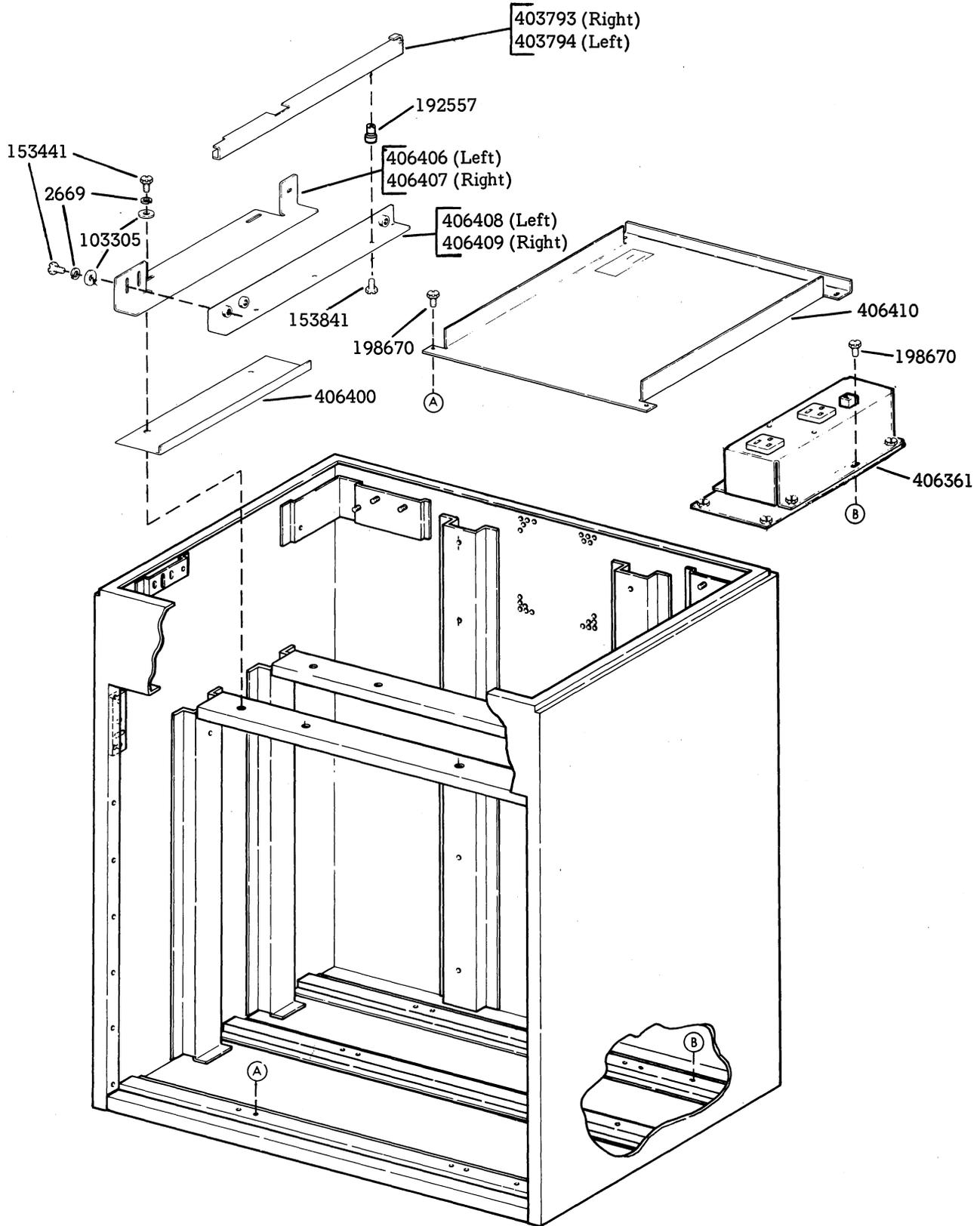
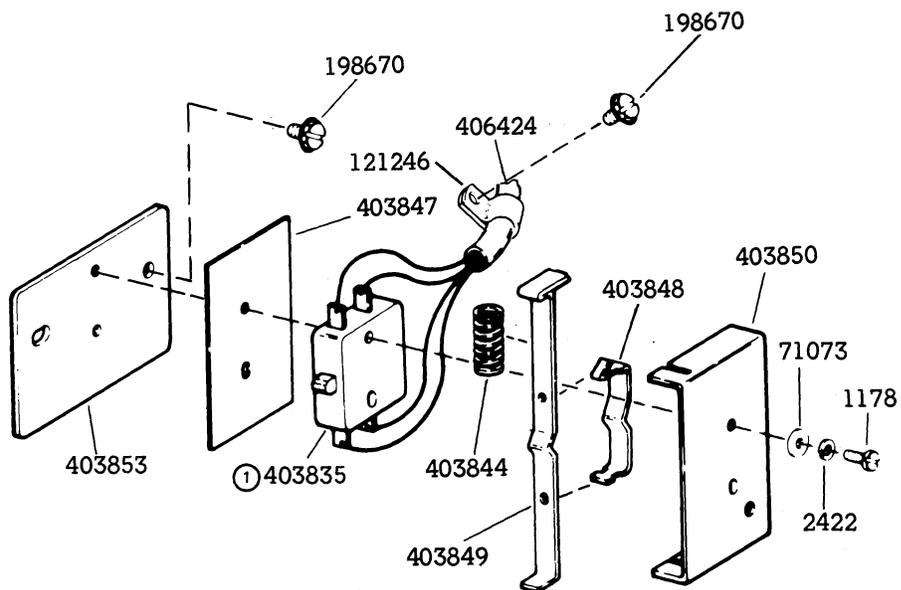
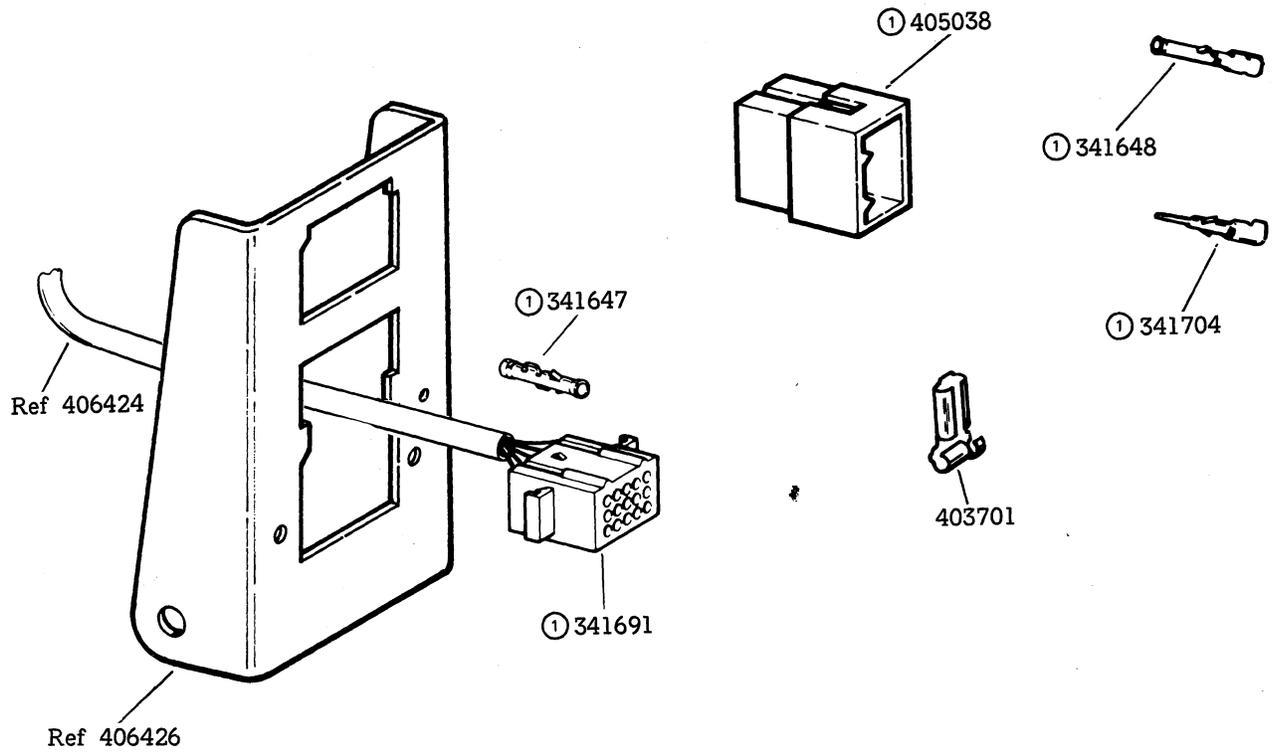
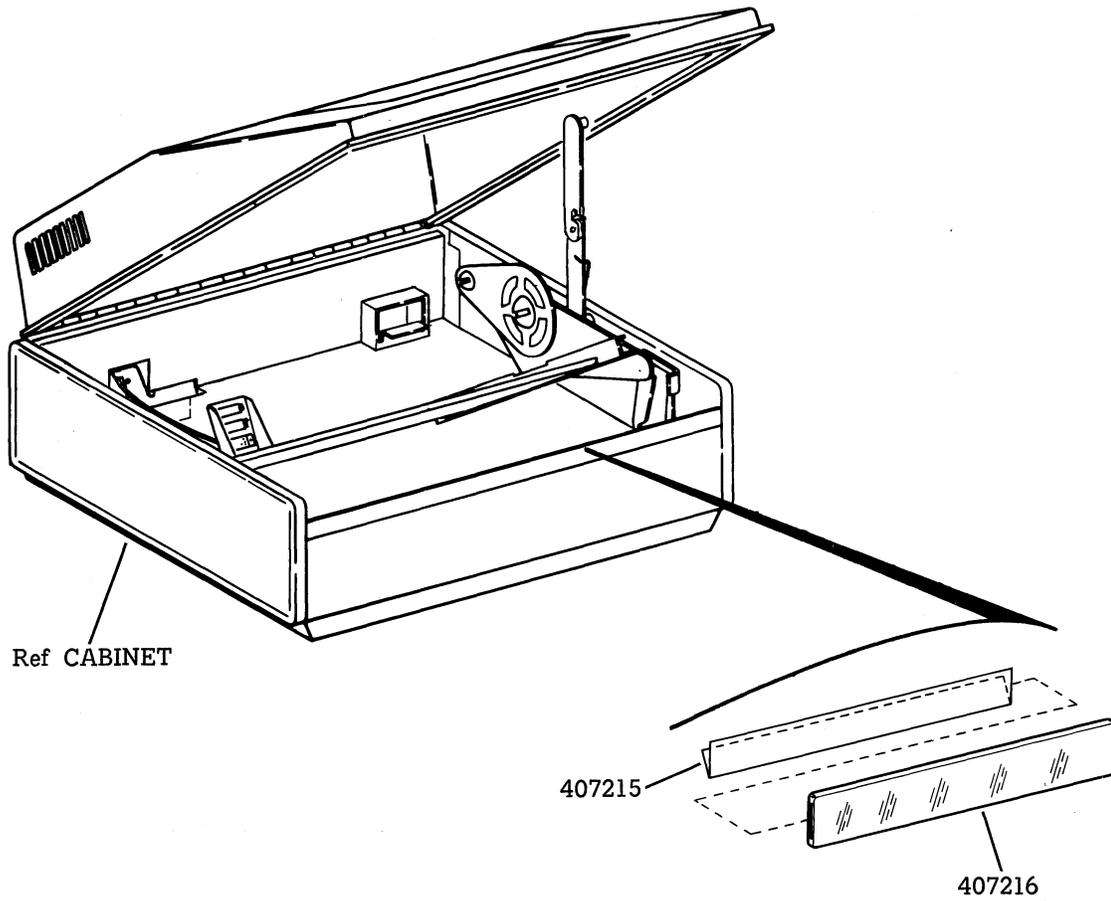


Fig. 74-40CAB302/ZZ Printer Cabinet Core for Forms Access Printer Cabinet (Cont)



① Part of 406424 Cable

Fig. 75-406432 Cable Assembly



Note: The following 40-type units could make use of the 407216 holder and 407215 label:

- 40CAB201/AA, AC
- 40CAB251/AA, AB, AC
- 40CAB351/AA, AB, AC, AD, AE
- 40CAB353/AA, AB, AC, AD
- 40CAB371/AA, AB

Fig. 77—Label and Label Holder for 40-Type Terminals

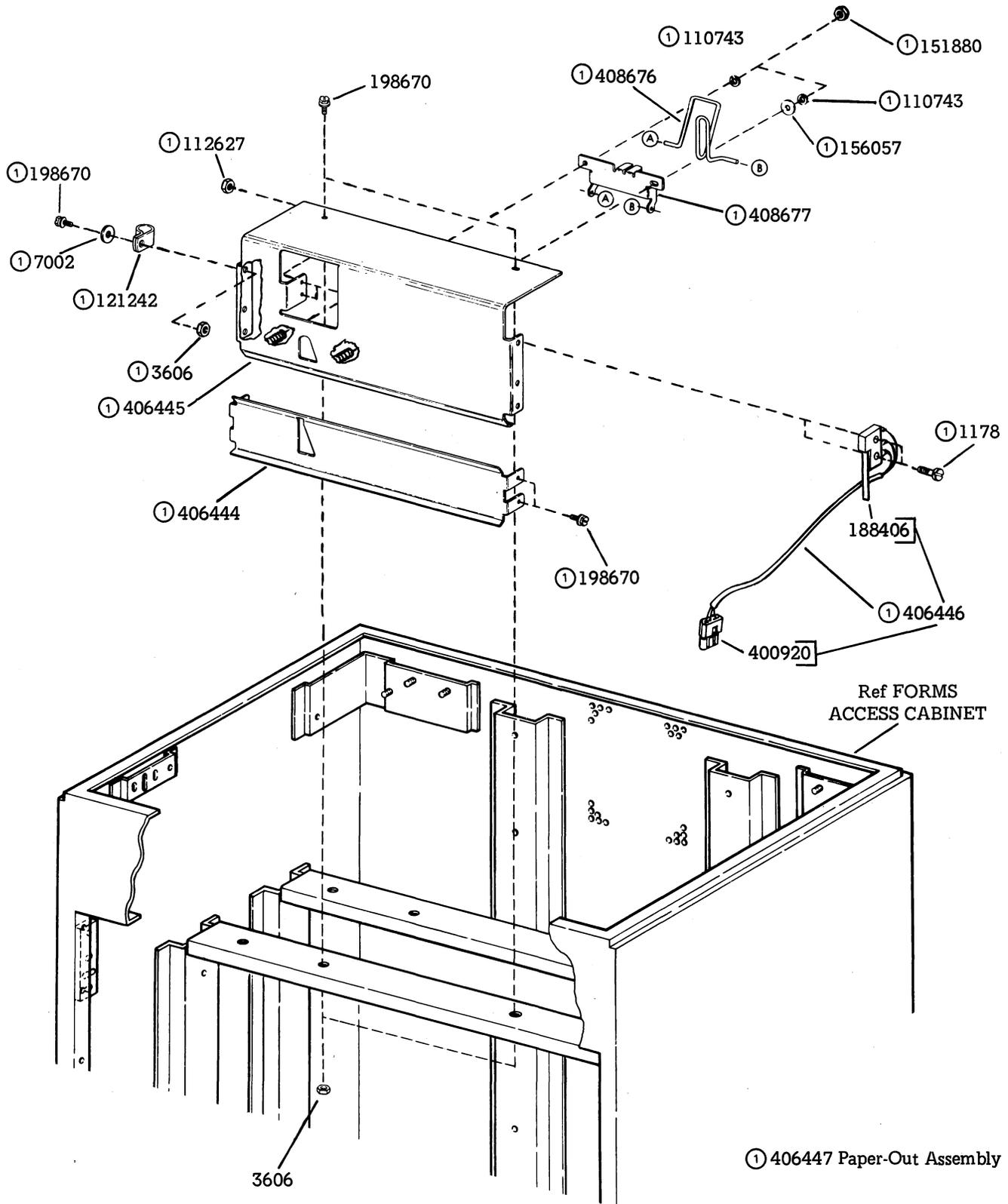


Fig. 78—406374 Modification Kit to Provide Paper-Out Contact Closure 11 Inches Below Print Line in the Forms Access Printer Cabinet

6. ADJUSTMENTS

6.01 A complete adjustment procedure should be read before attempting to make the adjustment. After an adjustment has been completed, be sure to tighten any nuts or screws that may have been loosened to facilitate the adjustment, unless otherwise instructed.

6.02 Some adjustments require access to areas where parts have to be removed. For removal of these parts, refer to 4. DISASSEMBLY/REASSEMBLY.

6.03 All tolerances in the adjustments in this section, unless otherwise stated, are in inches.

6.04 The instruction "friction tight" means to tighten by hand only. Tools should not be used for friction tight adjustments.

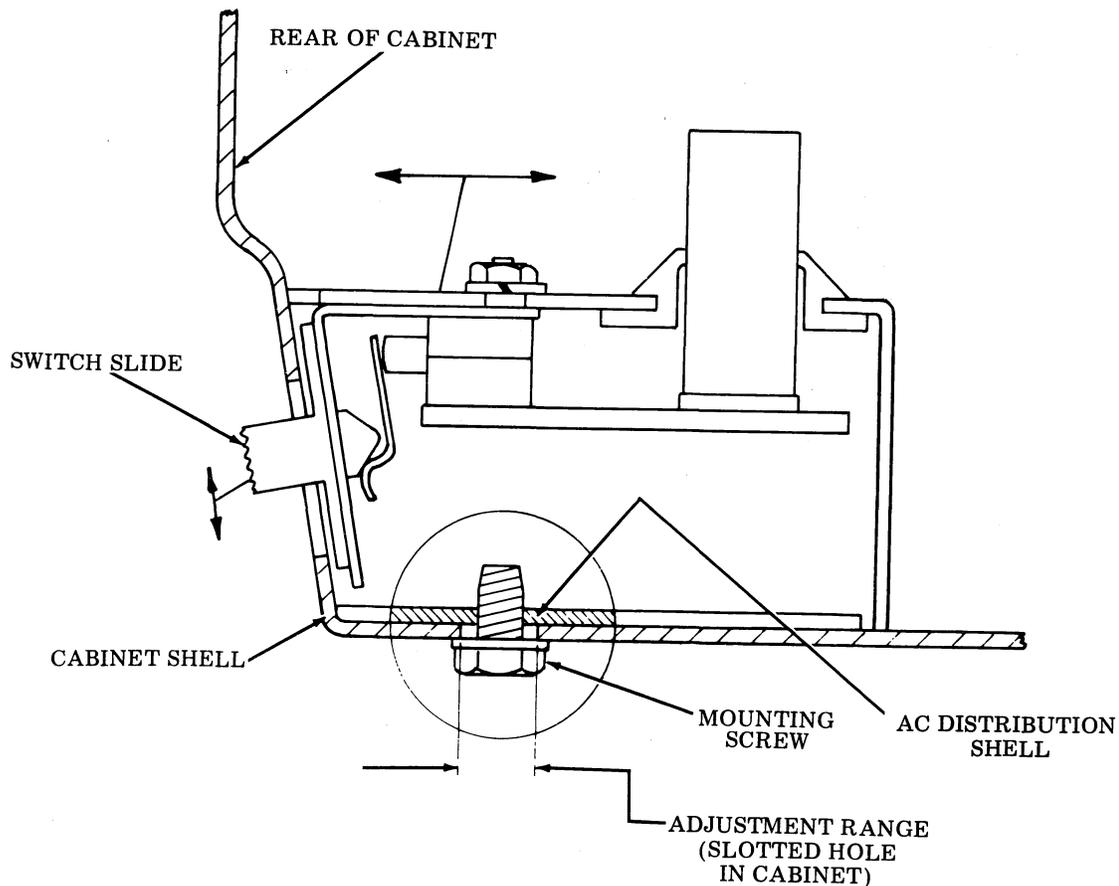
AC DISTRIBUTION ASSEMBLY (Early Design)

Requirement

Assembly should be flush to back wall of cabinet, consistent with free movement of the switch slide.

To Adjust

Loosen screw on bottom of cabinet. Meet requirement. Tighten screw.



CRADLE TORSION SPRING – FRICTION FEED

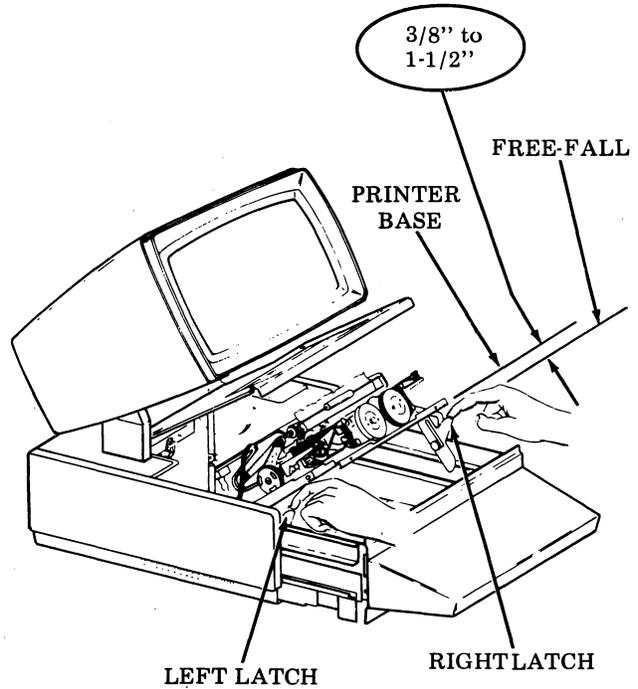
Note: This is a factory adjustment, adjusted to the optimal force. If it becomes necessary to readjust, then proceed as follows.

- Printer is installed in the cradle assembly of the cabinet and it is latched up (service position).

Requirement

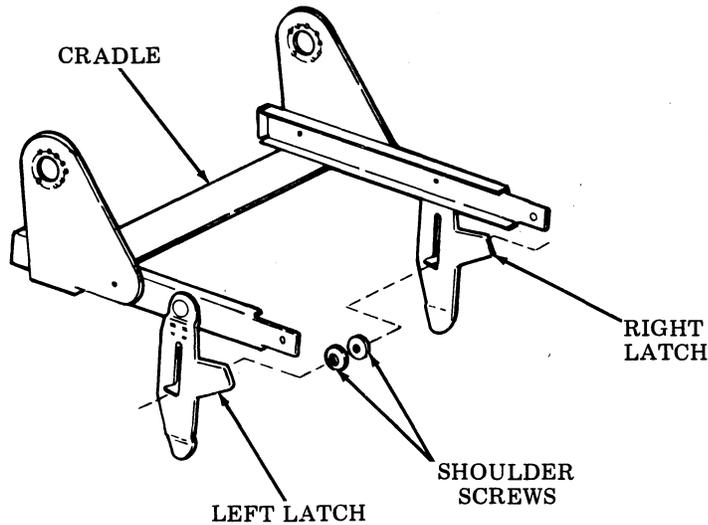
When left and right latches are released, printer should free-fall in the range of

Min 3/8 inch---Max 1-1/2 inch
when measured at the front of the printer base.



To Adjust

Remove printer from cradle assembly. Carefully remove shoulder screws (old design) or shoulder bushing and flat head screw that secure left and right latches to the printer cabinet.



CRADLE TORSION SPRING — FRICTION FEED (Cont)To Adjust (Cont)

With cradle assembly channels positioned past vertical, check outside hook portion of spring relative to hook stops. Any adjustments that are made to increase or decrease spring force should be made with the intent of keeping both springs equal in force. In essence, clearance between the hooks of left and right torsion springs and stop bushings should be approximately equal. Therefore, to increase the force, torsion spring whose hook is farther away from stop bushing should be adjusted to decrease clearance. To decrease the force, torsion spring whose hook is closer to the stop bushing should be adjusted to increase clearance. Loosen pilot screw in the hub to be adjusted until pilot is out of the locating hole in the cradle upright. Rotate torsion spring to increase or decrease force.

Note: There are five holes in each cradle upright to accept pilot portion of pilot screw.

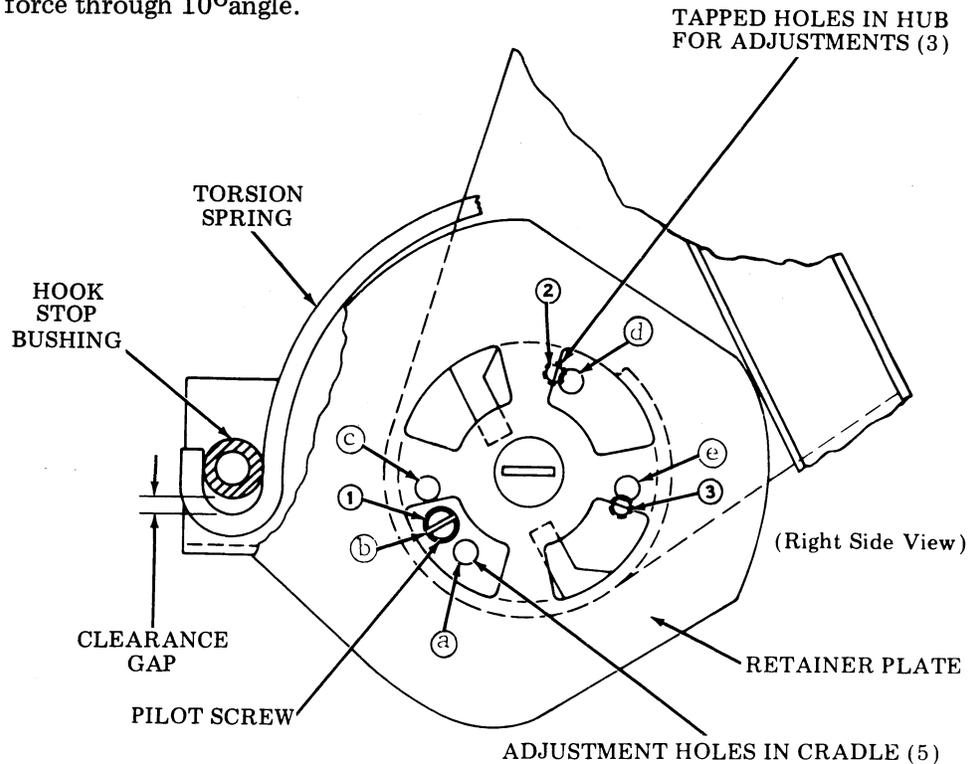
It may be necessary to reposition the pilot screw on hub if an angular adjustment of only 10 degrees is required from nominal. Reassemble with care.

LEGEND:

①, ②, and ③ are positions for pilot screw on hub.

Ⓐ, Ⓑ, Ⓒ, Ⓓ, and Ⓔ are positions on cradle.

- | | | |
|---|---|-----------------------------------|
| ① | Ⓑ | Nominal position. |
| ① | Ⓐ | Decrease force through 20° angle. |
| ① | Ⓒ | Increase force through 20° angle. |
| ② | Ⓓ | Increase force through 10° angle. |
| ② | Ⓔ | --- |



CRADLE TORSION SPRING – TRACTOR FEED (80-COLUMN)

Note: This is a factory adjustment, adjusted to the optimal force. If it becomes necessary to readjust, then proceed as follows.

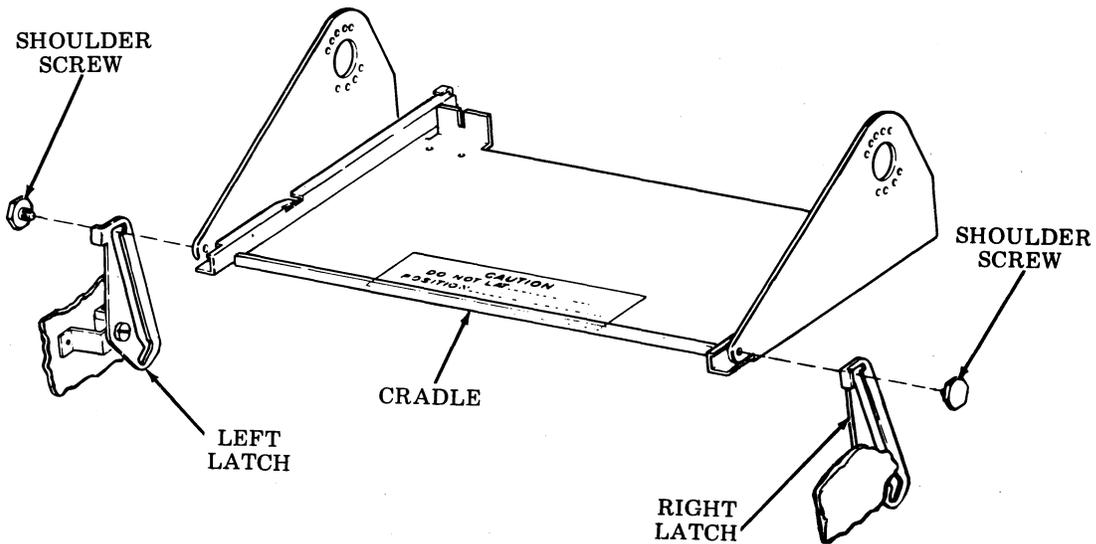
- Printer in the cabinet.
- Left and right cradle latches released (pressed inward).

Requirement

Printer should be lifted up some to halfway to the upper latched position. Latches must remain in released position.

To Adjust

Use printer to check adjustment. Remove printer from cradle assembly. If cradle assembly fails to remain in up position, raise it up until it latches. Carefully remove shoulder screws that secure left and right latches to the printer cradle.



CRADLE TORSION SPRING — TRACTOR FEED (80-COLUMN) (Cont)To Adjust (Cont)

With cradle assembly channels positioned past vertical, check outside hook portion of spring relative to hook stops. Any adjustments that are made to increase or decrease spring force should be made with the intent of keeping both springs equal in force. In essence, clearance between hooks of left and right torsion springs and stop bushings should be approximately equal. Therefore, to increase the force, torsion spring whose hook is farther away from stop bushing should be adjusted to decrease clearance. To decrease the force, torsion spring whose hook is closer to the stop bushing should be adjusted to increase clearance. Loosen pilot screw in the hub to be adjusted until pilot is out of the locating hole in the cradle upright. Rotate torsion spring to increase or decrease force.

Note: There are nine holes in each cradle upright to accept pilot portion of pilot screw.

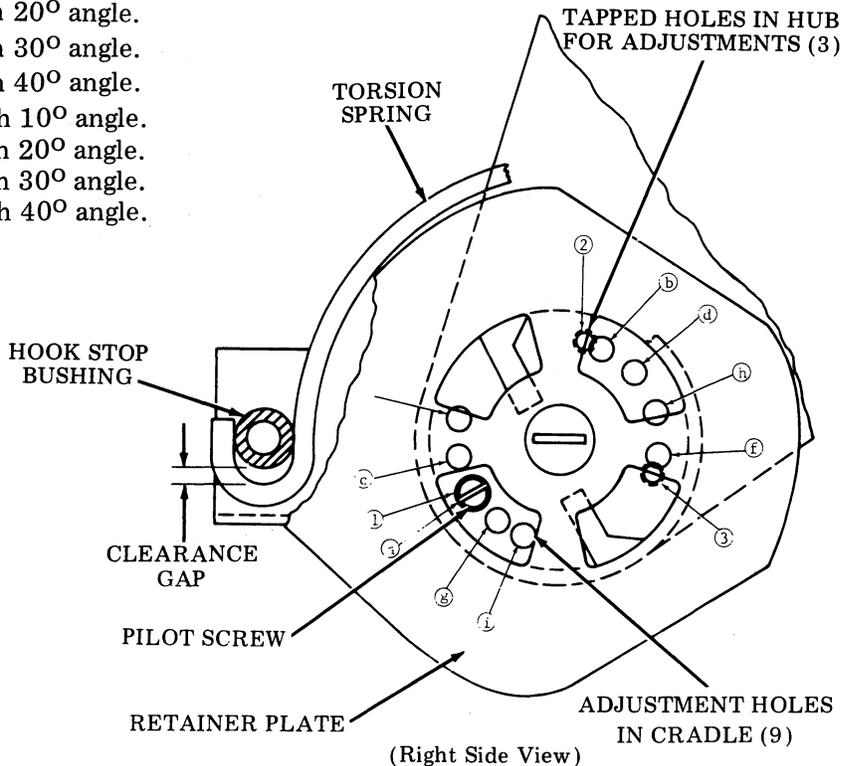
It may be necessary to reposition the pilot screw on hub if an angular adjustment of only 10 degrees or 30 degrees is required from nominal. Reassemble with care.

LEGEND:

①, ②, and ③ are positions for pilot screw on the hub.

ⓐ, ⓑ, ⓒ, ⓓ, ⓔ, ⓕ, ⓖ, ⓗ, and ⓘ are positions on the cradle.

- | | | |
|---|---|-----------------------------------|
| ① | ⓐ | Nominal position. |
| ② | ⓑ | Increase force through 10° angle. |
| ① | ⓒ | Increase force through 20° angle. |
| ② | ⓓ | Increase force through 30° angle. |
| ① | ⓔ | Increase force through 40° angle. |
| ③ | ⓕ | Decrease force through 10° angle. |
| ① | ⓖ | Decrease force through 20° angle. |
| ③ | ⓗ | Decrease force through 30° angle. |
| ① | ⓘ | Decrease force through 40° angle. |



CRADLE TORSION SPRING — TRACTOR FEED (132-COLUMN)

- Printer in the cabinet.
- Left and right cradle latches released (pressed inward).

(1) Requirement

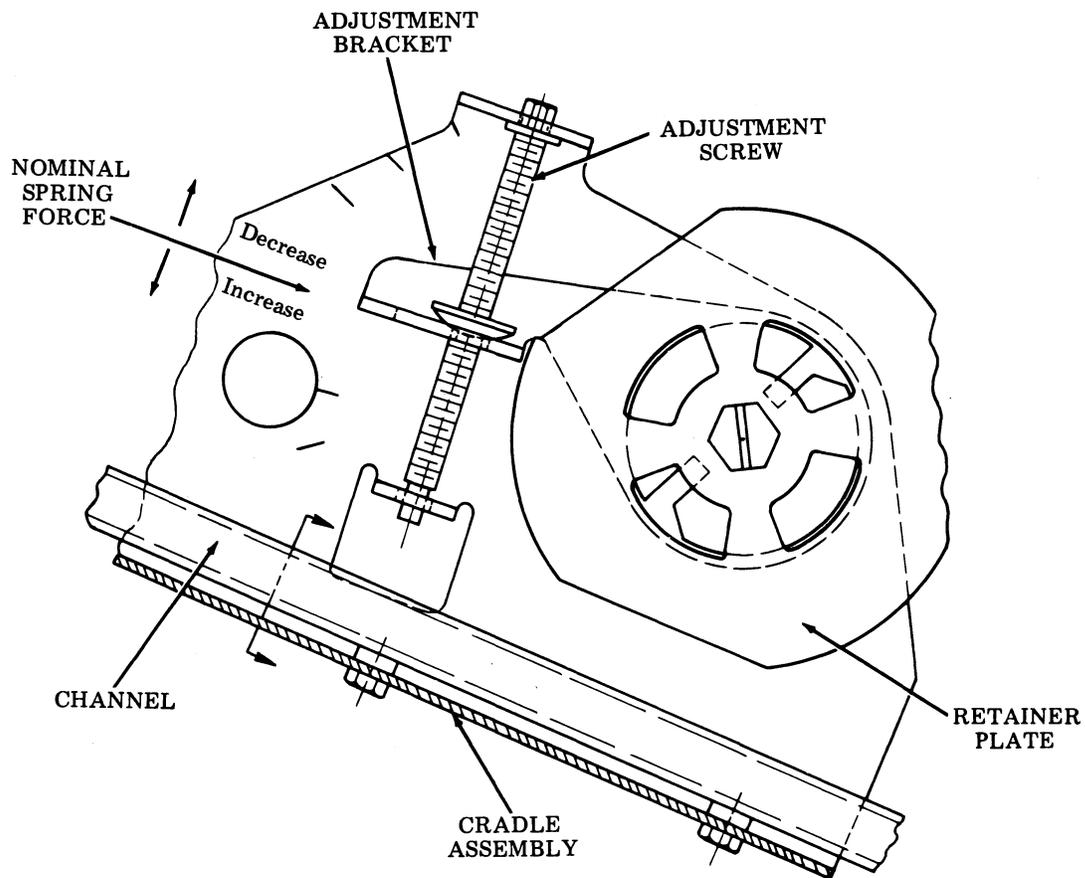
The printer and cradle should move out of the latched position and move up into an intermediate position.

(2) Requirement

With the printer in the service position, depressing the left and right latchlever should allow the printer and cradle to move out of the latched position and move down into an intermediate position.

To Adjust

Turn the adjustment screw (one on each side of the cradle) counterclockwise to increase the torsion spring force and clockwise to decrease the torsion spring force. Any adjustments to increase or decrease the spring force should be made with the intent of keeping both springs in equal tension.



PAPER EXIT GAP — NOISE REDUCING FRICTION FEED

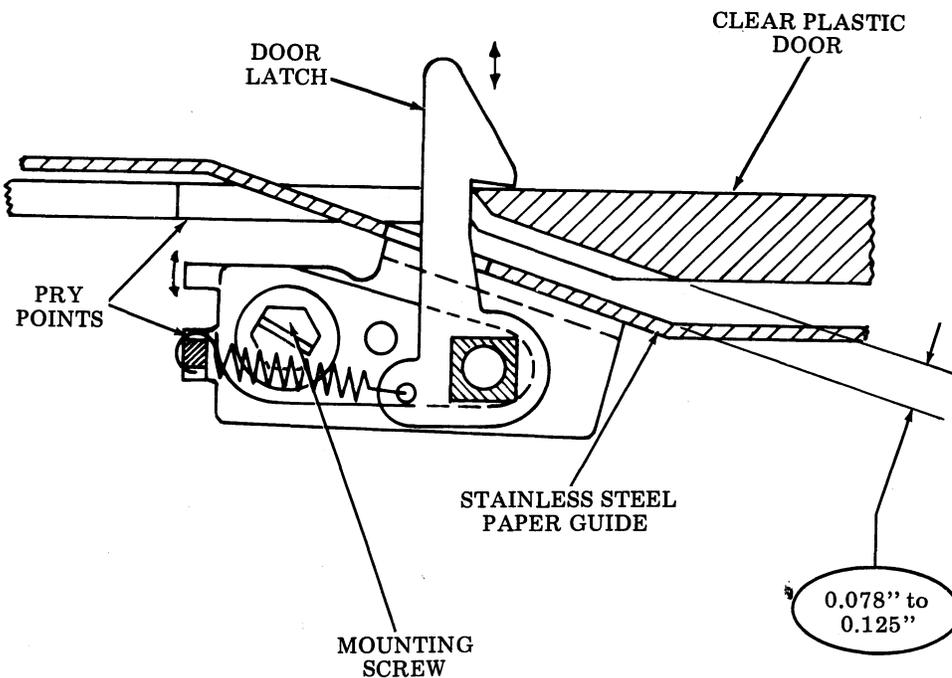
- Paper exit door closed and latched.
- Cabinet dome in the open position.

Requirement

Paper exit gap between clear plastic door and stainless steel paper guide should be
Min 0.078 inch---Max 0.125 inch
through the entire width and length of the path through which the paper travels.

To Adjust

Loosen the two mounting screws friction tight. Use pry points to raise or lower the door latches to meet requirement. Tighten the two mounting screws.



DOMES ADJUSTMENT – NOISE REDUCING FRICTION FEED

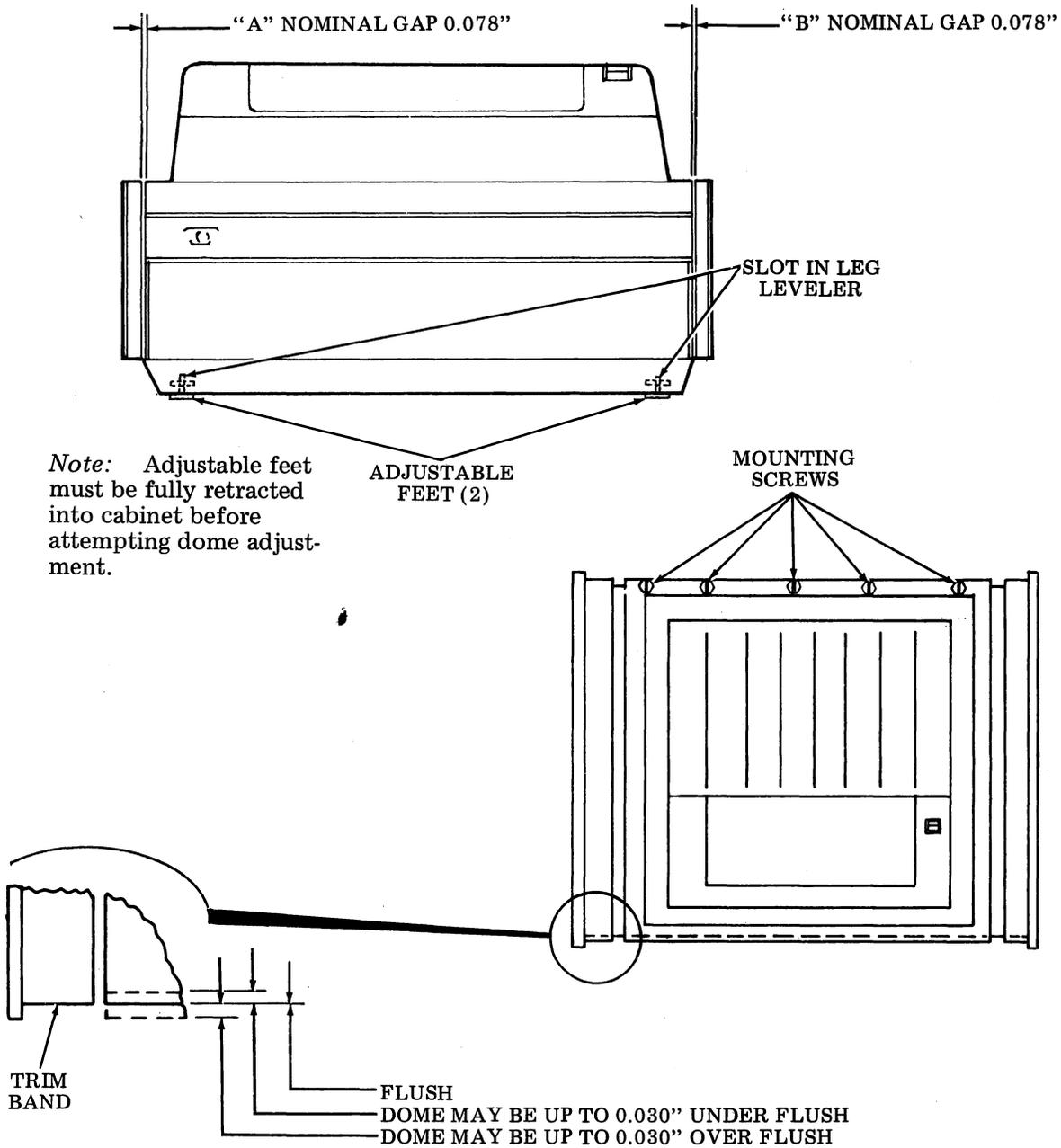
- Dome closed and latched

Requirement

Gap "A" must be equal to Gap "B" within 0.062 inch. Dome may be flush, overflush (0.030 inch) or underflush (0.030 inch) with respect to trim band. (Both Sides)

To Adjust

Loosen five dome mounting screws friction tight. Position dome to meet requirement. Tighten mounting screws.



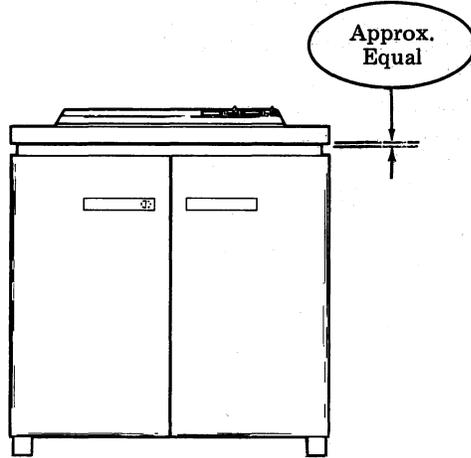
TOP COVER VERTICAL ADJUSTMENT – FORMS ACCESS CABINET

Requirement

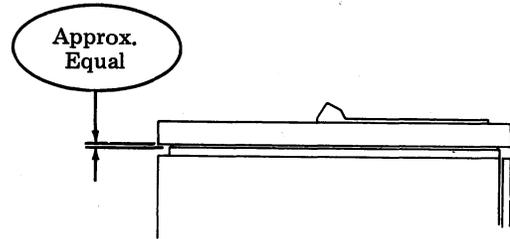
With the cabinet top cover in the closed position, the cover should rest approximately equal on the front and rear gasketing surfaces as gauged by eye.

To Adjust

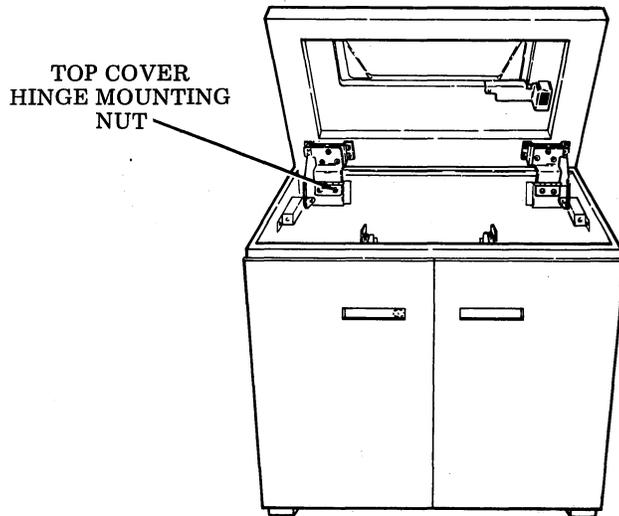
With the four cabinet top cover hinge mounting nuts friction tight, lift or lower the rear edge of the cover until the requirement is met. Tighten the mounting nuts.



(Front View)



(Side View)



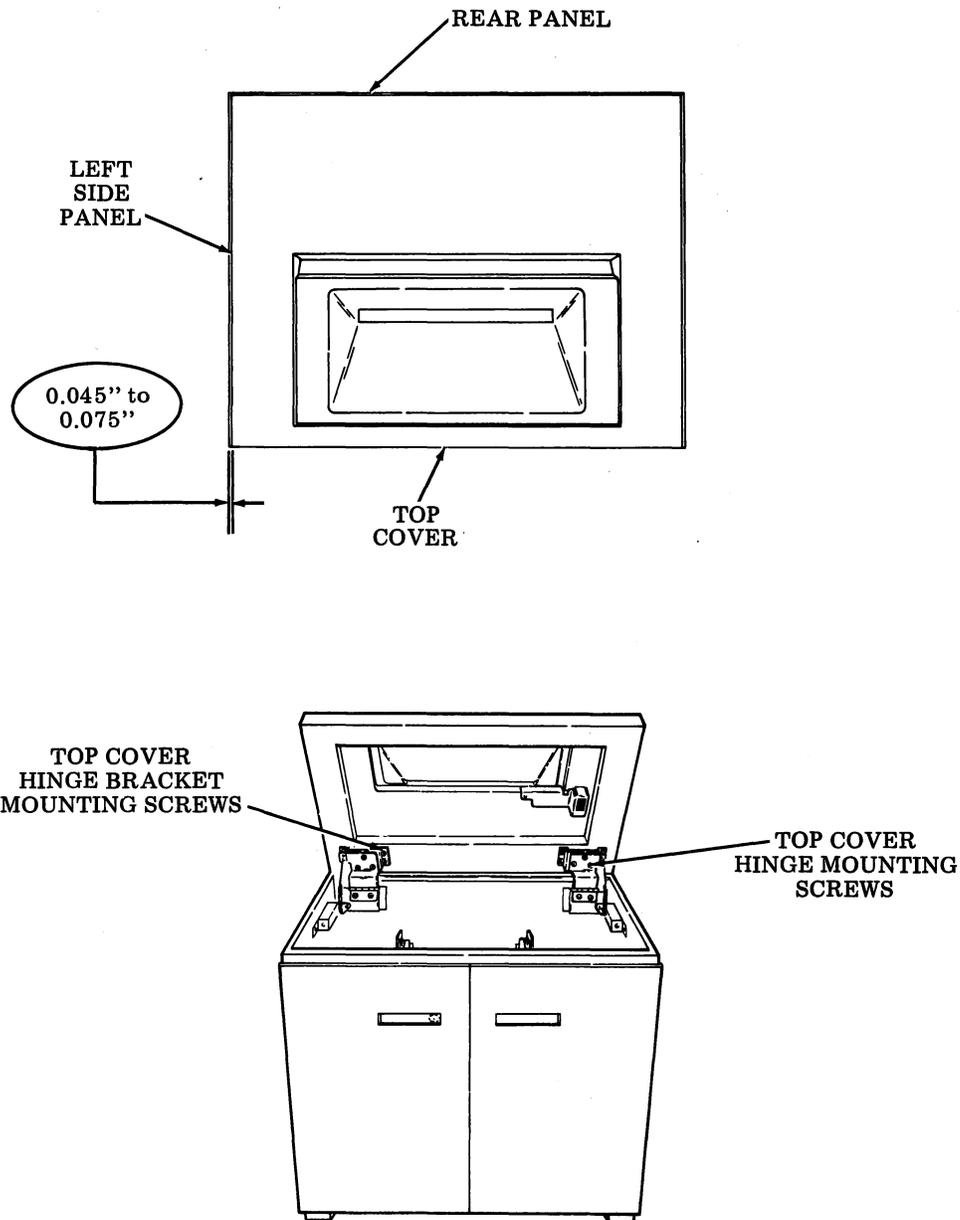
TOP COVER HORIZONTAL ADJUSTMENT – FORMS ACCESS CABINET

Requirement

With the cabinet top cover in the closed position, the cabinet should extend beyond the top cover equally as gauged by eye (approximately)
Min 0.045 inch---Max 0.075 inch.

To Adjust

With the six top cover hinge mounting screws friction tight, position the top cover left to right and front to rear to meet the requirement. Tighten the six mounting screws.



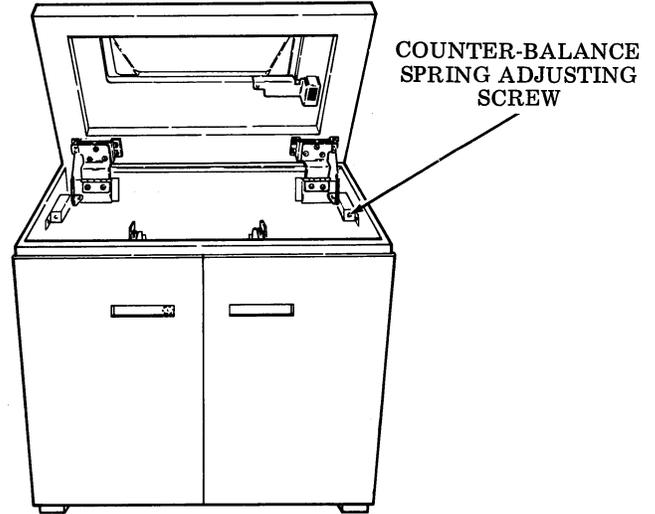
TOP COVER LEFT AND RIGHT COUNTER BALANCE SPRING ADJUSTMENT – FORMS ACCESS CABINET

Requirement

With top cover almost closed (within 3 to 4 inches), the top will not move by gravity when released.

To Adjust

Turn each counter-balance spring adjusting screw approximately an equal number of turns until requirement is met. Do not back off screws more than four full turns from a complete clamp position.



LEFT AND RIGHT FRONT ACCESS DOOR POSITION ADJUSTMENT – FORMS ACCESS CABINET

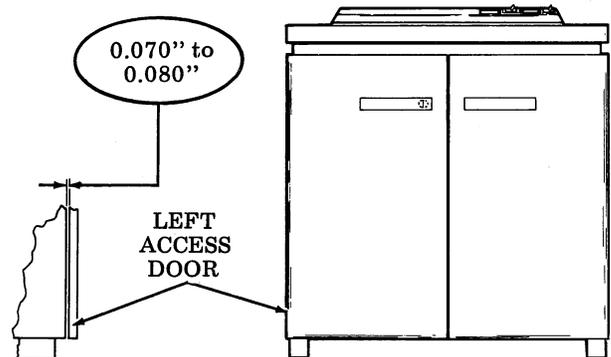
Requirement

The gap between cabinet side panel and respective door should be

Min 0.070 inch--Max 0.080 inch when measured near top and bottom of door hinge ends.

To Adjust

With the door hinge mounting screws friction tight, position the door forward or rearward to meet requirement. Tighten the hinge mounting screws.



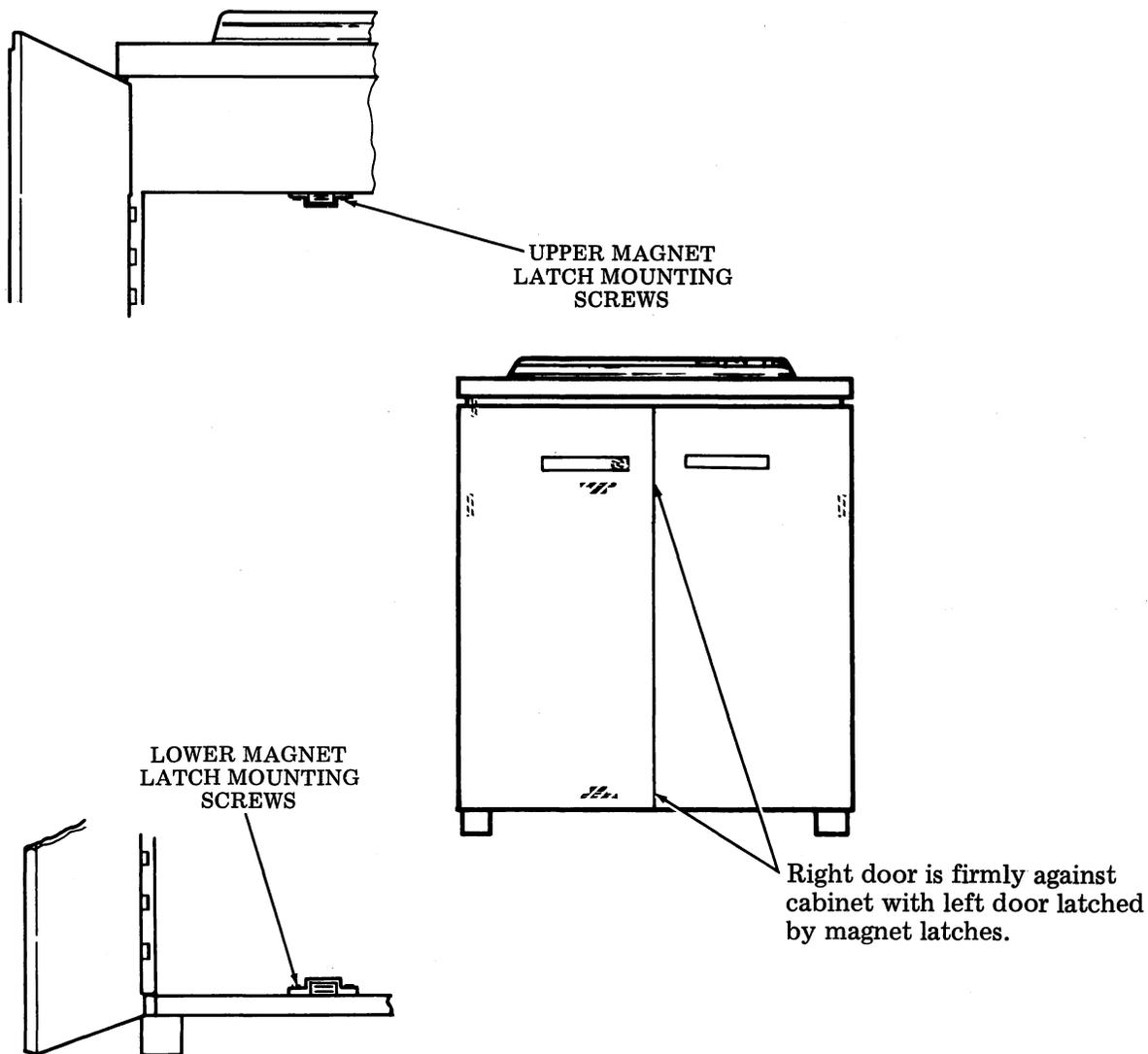
LEFT FRONT ACCESS DOOR MAGNET LATCHING ADJUSTMENT — FORMS ACCESS CABINET

Requirement

With the left door overlapping the right door and both doors in the closed position, the upper and lower magnets should be in contact with their respective strike plates while holding the right door flange firmly against the cabinet engaging surface.

To Adjust

With top and bottom magnet mounting screws (four) friction tight, close the left door overlapping the right door flange, with gentle pressure applied to left door, secure the magnets. Magnets may be secured through the top of the cabinet.



TOP COVER LATCH AND LATCH STRIKE PLATE ADJUSTMENT – FORMS ACCESS CABINET

(1) Requirement

As the top cover latch is slowly brought into contact with the latch strike plate, contact should be approximately

Min 1/4 inch--Max 1/2 inch
of the sloped surface of the latch as gauged by eye.

To Adjust

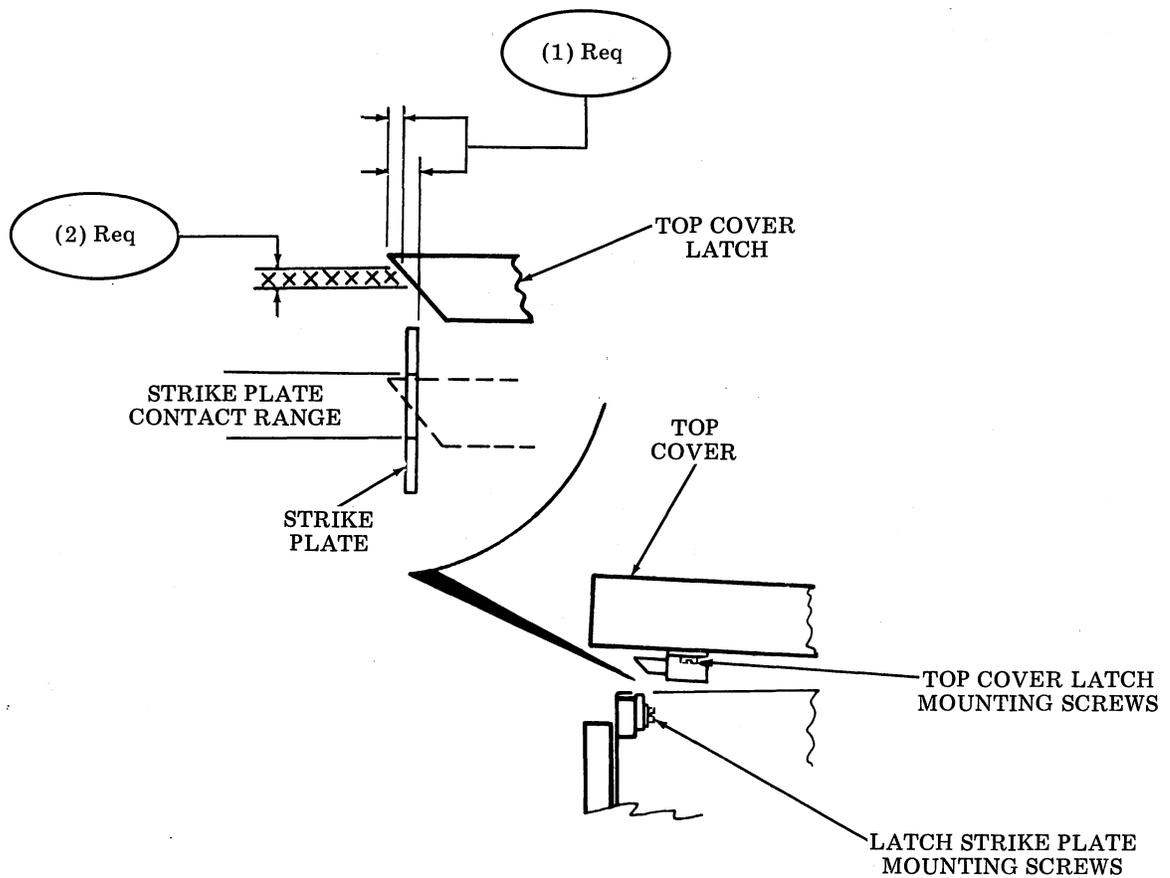
With the latch mounting bracket screws friction tight, position mounting bracket forward or rearward to meet the requirement. Tighten the mounting screws.

(2) Requirement

With the top cover gently lowered onto the cabinet gasketing, the latch should engage the strike plate with an audible sound of latching.

To Adjust

With latch strike plate mounting screws friction tight, position the strike plate up or down to meet requirement. Tighten mounting screws.



TOP COVER, LEFT AND RIGHT FRONT DOOR INTERLOCK SWITCH ADJUSTMENTS — FORMS ACCESS CABINET

Top Cover Interlock Switch

(1) Requirement

With the top cover in its latched position, the interlock switch should be in the “closed” mode and should move into its “open” mode when the top cover is raised above the latched position.

Left Front Door Interlock Switch

(2) Requirement

With the left door in the latched position, the interlock switch should be in the “closed” mode and should move into its “open” mode when the left door is opened.

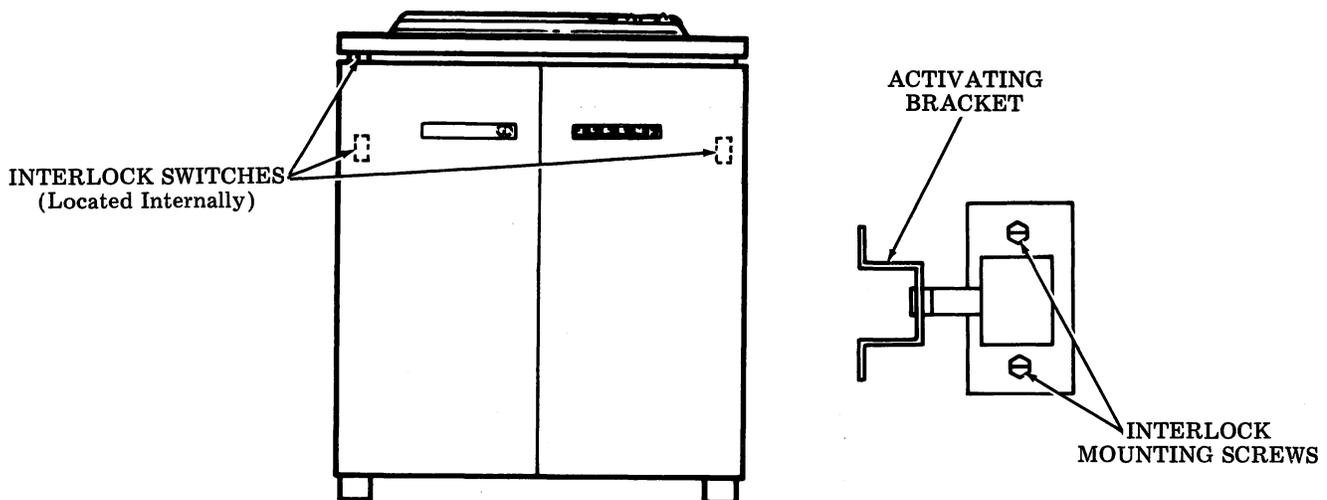
Right Front Door Interlock Switch

(3) Requirement

With the right door in the latched position, the interlock should be in the “closed” mode. When the right door is open and held overlapping the closed left door, the interlock switch should be in the “open” mode.

To Adjust

With the switch assembly mounting screws friction tight, locate the assembly closer to or farther away from the activating bracket to meet the requirement. Tighten the two mounting screws.



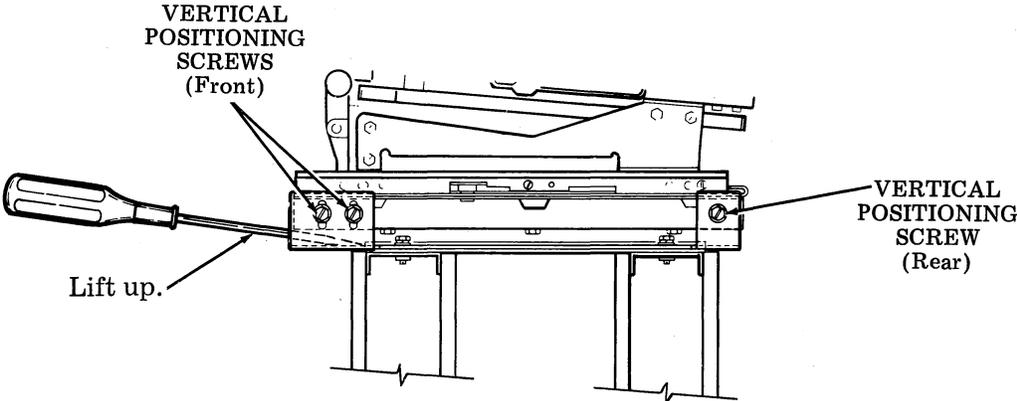
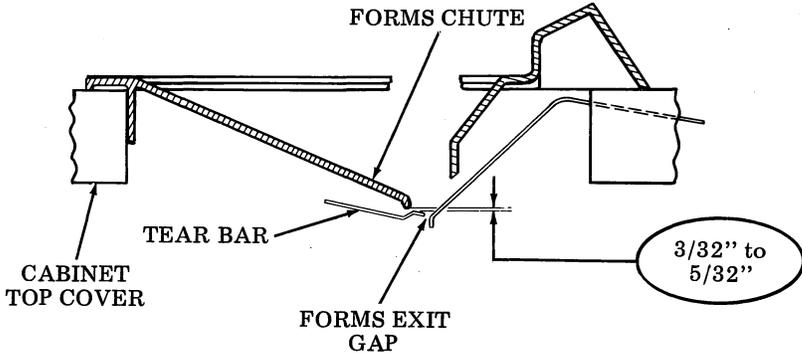
PRINTER VERTICAL POSITIONING ADJUSTMENT – FORMS ACCESS CABINET

Requirement

With a scale resting on the printer tear bar top surface and against the front edge of forms chute opening, the tear bar top surface should be located
Min 3/32 inch---Max 5/32 inch
below the form of the cabinet form chute.

To Adjust

Loosen the six intermediate rail bracket mounting screws friction tight, place the blade of a screwdriver between frame and intermediate rail, pry intermediate rail assembly up at alternate left and right front corners until adjustment is made, tightening the forward most screws. After making adjustment tighten remaining screws.



PRINTER FORWARD POSITIONING ADJUSTMENT — FORMS ACCESS CABINET

Note: The printer should be positioned and latched in its rear most location on the rail assembly frame for this adjustment.

Requirement

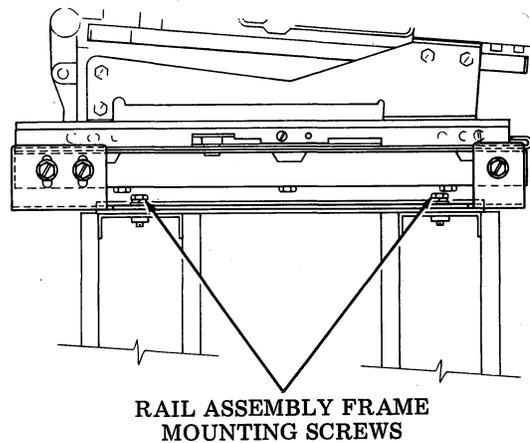
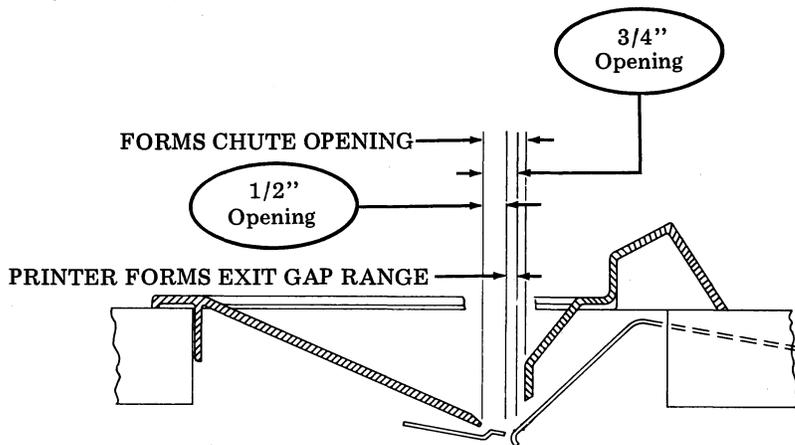
The printer forms exit gap should be located

Min 1/2 inch--Max 3/4 inch

of the way back in the forms chute opening as gauged by eye.

To Adjust

With the four rail assembly frame mounting screws friction tight, move printer rail assembly frame forward or rearward to meet adjustment. Tighten the four mounting screws.



7. NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1028	Screw, 4-40 x 1/4 Fil 79	90951	Lockwasher 79,87	121551	Screw, 8-32 x 1/4 Hex 37, 82,93
1093	Screw, 8-32 x 7/16 Fil 82	92146	Nut, 1/4-20 Hex 38	124177	Lockwasher 43,88
1163	Screw, 4-40 x 3/16 Fil 37	92260	Lockwasher 31,67,86,90	125011	Washer, Flat 35,73
1178	Screw, 2-56 x 7/16 Fil 64, 111,114	92527	Lockwasher 33,39,42,81, 82,93,99,112	125015	Washer, Flat 43,66,69,87, 88,90
1264	Screw, 10-32 x 1/2 Flat 77	93582	Washer, Flat 42,58,62,68, 74,75	125229	Nut, 6-32 Hex 86,107,108
2191	Lockwasher 33,35,37,39, 43,50,57,58,60,65,66,69, 71,72,79,87,88,89,90,101, 102,107,108	93984	Lockwasher 35,73,88	125239	Spring, Compression 33,39
2322	Lockwasher 57,60,77	97402	Screw, 6-40 Shoulder 58	128357	Ring, Retaining 42,46
2382	Lockwasher 31	98642	Lockwasher 40,46	128358	Ring, Retaining 36
2422	Lockwasher 64,111	100848	Screw, 1/4-20 x 1 Hex 57, 60,77	128360	Ring, Retaining 65
2449	Lockwasher 38,82,83,95, 97,98	103305	Washer, Flat 107,108,110	138401	Screw, 1/4-20 x 3/4 Hex 82,83,95
2658	Nut, 6-32 Hex 54	104807	Washer, Flat 41,58,62,68, 76	143097	Ring, Retaining 108
2669	Lockwasher 77,107,108, 110	106295	Block, Terminal 112	143306	Fuse, SL-BL 1 Amp 81
2719	Washer, Flat 82	107116	Lockwasher 35,38,41,54, 68,71,72,79,80,85,88, 101,102,107	144778	Screw, No. 6 Self-Tapping 98
3438	Washer, Flat 61	110126	Lockwasher 57,60,74,75, 82	148128	Washer, Flat 96
3598	Nut, 6-40 Hex 31,37,39, 41,43,57,58,60,65,66,67, 68,69,72,85,87,90,112	110434	Screw, 4-40 x 3/16 Fil 88	150710	Screw, 6-40 x 1-1/4 Hex 75
3599	Nut, 4-40 Hex 75,88	110435	Nut, 4-40 Hex 79	150711	Washer, Flat 84,94
3606	Nut, 6-40 Hex 88,114	110446	Nut, 2-56 Hex 53	150978	Screw, 6-40 x 1-1/8 Hex 56,61
3611	Spring 108	110743	Lockwasher 114	151630	Screw, 6-40 x 1/4 Hex 50, 57,60,88
3640	Lockwasher 31,37,52,58, 62,71,72,75,76,80,88	112626	Nut, 20-32 Hex 32,77, 108	151631	Screw, 6-40 x 5/16 Hex 35,43,68,71,72,79,80, 101,102
3646	Lockwasher 37,62,75	112627	Nut, 2-56 Hex 114	151632	Screw, 6-40 x 3/8 Hex 57,60,88
5599	Nut, 8-32 Hex 37	114059	Capacitor, 1 MFD 69	151637	Screw, 4-40 x 1/4 Fil 35, 73
6345	Nut, 6-32 Hex 33,38,39, 42	116783	Holder, Fuse 81	151659	Screw, 6-40 x 1/2 Fil 87
7002	Washer, Flat 35,50,57,60, 71,79,87,89,90,101,102, 107,108,112,114	116793	Lockwasher 71,72,73,80, 82	151690	Screw, 10-32 x 5/16 Fil 69
8449	Spacer, .094" Thk 88	117535	Washer, Flat 37,40,46,69	151722	Screw, 6-40 x 3/16 Hex 89
44048	Washer, Flat 93	119648	Ring, Retaining 87	151723	Screw, 10-32 x 3/8 Hex 37,42,68,108
45815	Lockwasher 32,37,40,46, 58,62,70,74,75,99	119649	Ring, Retaining 33,37,39, 108	151880	Nut, 4-40 Hex 37,50,114
55063	Spring 76	119651	Ring, Retaining 84,94	152426	Nut, 6-40 Self-Locking 75
55219	Screw, 8-32 x 3/8 Fil 82	119652	Ring, Retaining 37	152634	Washer, Flat 87
71073	Washer, Flat 64,111	119653	Ring, Retaining 31	152848	Screw, 1/4-20 x 3/4 Rd 32,34
76084	Washer, Flat 96	119654	Ring, Retaining 58,62, 74,75,99	152890	Washer, Flat 75
76099	Washer, Flat 33,39	119655	Ring, Retaining 44	152893	Screw, 4-40 x 1/4 Hex 31,37,41,52,68,75,76
76461	Washer, Flat 33,39	120175	Plate, On-Off 93	153441	Screw, 10-32 x 7/16 Hex 110
76953	Washer, Flat 56,61	121018	Nut, 4-40 Hex 33,39	153442	Screw, 10-32 x 1/2 Hex 58,62,74,75,108
78858	Keytop 88	121242	Clamp, 1/8 ID Cable 55, 59,61,114	153538	Screw, 6-40 x 7/16 Hex 72
82832	Lockwasher 82,83,95	121243	Clamp, 3/16 ID Cable 41, 56,64,72		
83885	Nut, 6-32 Hex 90	121244	Clamp, 1/4 ID Cable 70,81		
84226	Spring 37	121245	Clamp, 5/16 ID Cable 56, 61		
84579	Washer, Flat 31,42	121246	Clamp, 3/18 ID Cable 90, 111		
85471	Screw, 10-32 x 1 Hex 40, 46				

SECTION 582-212-700

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
153841	Screw, 6-40 x 9/16 Hex 35,41,57,60,65,110	182523	Clamp, 1-3/8" ID Mounting 72,81	312574	Jumper, 6" Black 112
154249	Screw, No. 8B Self-Tapping 58,64,71,72,73,74,79,80	182726	Terminal, Receptacle Type 66	312829	Strap, 2-1/2" Braided 36,45
154263	Bumper, Rubber 82,83	182932	Nut, Speed 108	312918	Strap 68,79,80
155594	Screw, 4-40 Shoulder 71,79	184056	Screw w/Lockwasher, 6-40 x 1/4 Hex 35,64,66,69,73,92	312919	Strap, Cable 77,106
155865	Stud 97	184057	Screw w/Lockwasher, 6-40 x 3/8 Hex 75,85,112	318630	Jumper, 6-1/8" Braided 82,93,112
156057	Washer, Flat 114	184058	Screw w/Lockwasher, 6-40 x 7/16 Hex 107	320119	Spacer, .497" Thk 58
156450	Screw, 2-56 x 1/2 Fil 53	184059	Screw w/Lockwasher, 6-40 x 1/2 Hex 43,87	320410	Terminal, Spade Type 86
156653	Lockwasher 42,68	184061	Screw w/Lockwasher, 6-40 x 5/8 Hex 112	320412	Terminal, Spade Type 47
156740	Screw, 6-40 x 7/32 Hex 87,90	184067	Screw w/Lockwasher, 4-40 x 5/16 Hex 108	320418	Terminal, Ring Type 54,86
156875	Screw, 6-40 x 5/32 Fil 88	185833	Plate 81	320420	Terminal, Ring Type 72
158926	Screw, 4-40 x 7/32 Hex 50	185834	Plate 81	321213	Resistor 64
159642	Shim, .008" Thk 108	185843	Fuse, SL-BL 1-1/4 Amp 81	323414	Washer, Flat 91
160479	Grommet, Rubber 80	185871	Screw w/Lockwasher, 8-32 x 3/8 Hex 58,61,62,83,94	324031	Latch, Front Lid 108
161708	Latch, Magnetic 107	186749	Bolt w/Cap 82,83,95,107	325287	Nut w/Lockwasher, 10-32 Hex 70
162730	Screw, 1/4-20 x 7/16 Hex 82,95,96,98	186755	Screw, 8-32 Self-Tapping 75,91	325911	Jumper, 6-1/2" Lg Green 112
162864	Clamp, 7/8 ID Cable 93	186823	Screw, 8-32 Shoulder 58,62,74,75	326023	Screw, 4-40 x 9/32 Hex 71,72
162886	Screw, 4-40 x 7/32 Hex 58,62	187242	Clip 96	326588	Screw, 6-32 x 1/4 Self-Tapping 35
163958	Washer, Flat 76	188406	Switch 114	326755	Jumper, 3-1/2" Green 112
173974	Screw, 10-32 x 5/16 Hex 107	188483	Arm, Stop 58	327819	Terminal, Tab Type 100,105,106
174795	Screw, 6-40 x 1/4 Fil 43	188733	Screw, 6-32 x 5/16 Flat 56	327954	Retainer, Split Ring 84,94
178707	Bumper, Rubber 72,80	188925	Post 96	327955	Nut, Speed 82
180714	Screw, No. 6 Self-Tapping 47,48,55,59,67,72,79,80,104,108	188990	Jumper, 5" White 112	332860	Bumper 82,95
180778	Plate 96	192007	Terminal, Tab Type 100	332893	Capacitor 72,81
180798	Screw, 8-32 Self-Tapping 93,99	192278	Arm, Right Counter Balance 108	333588	Lamp, 23V Miniature 64
180904	Tab, Terminal 43,66,69,87	192279	Arm, Left Counter Balance 108	333880	Fastener 84,94
181204	Washer, Flat 90	192557	Grommet, Rubber 57,60,65,75,110	334610	Capacitor 72,81
181240	Screw w/Lockwasher, 6-40 x 3/16 Hex 69,89	198670	Screw w/Lockwasher, 6-40 x 5/16 Hex 43,66,69,87,88,89,90,107,108,110,111,112,114	335123	Switch, Pushbutton 64
181241	Screw w/Lockwasher, 6-40 x 1/4 Hex 31,41,68,81	301466	Screw, 4-40 Spl 72,80,88	336334	Collar 101,102
181245	Screw w/Lockwasher, 6-40 x 1/2 Hex 81	301713	Outlet, Convenience 112	336810	Plate, Identification 99
181247	Screw w/Lockwasher, 6-40 x 11/16 Hex 31	304188	Clamp 82	337101	Ring, Retaining 38
181249	Screw w/Lockwasher, 6-40 x 1 Hex 67	304189	Keeper 82	337171	Spacer 99
181392	Terminal, Tab Type 105,106	307545	Jumper, 2" Green 103	337826	Screw, 1/2" Pan Hd 101,102,104,105,106
181424	Nut, 6-40 Sq 81	311763	Mount, Vibration 56,61	340697	Bushing 96
181999	Insulator 72	312301	Jumper, 6" Red 112	341545	Fastener 101,102
				341647	Terminal, Receptacle Type 47,48,51,52,64,101,102,104,105,106,111
				341648	Terminal, Receptacle Type 48,50,51,71,104,105,106,111
				341649	Connector, 15PT Plug 71
				341691	Connector, 15PT Receptacle 47,48,64,66,99,100,104,111

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
341704	Terminal, Receptacle Type 47,48,101,102,104,105,106,111	400568	Cable Assembly 28,51,73,79	401219	Bracket 33
341705	Terminal, Receptacle Type 48,101,102,104,105,106	400574	Terminal, Plug Type 50,51,71	401220	Post 31
341722	Clamp, Cable 47,48,104	400575	Switch Assembly 52	401223	Screw, 10-32 Shoulder 31,42,45
341729	Connector, 15PT Plug 48,104	400576	Bracket 50	401224	Strip Ground 41,68,70
341819	Screw, 8-32 Shoulder 90	400577	Bracket 51	401225	Screw w/Lockwasher, 8-32 x 15/16 Hex 36,41,44,45,82,83,87,91,92
341870	Spacer 69,87	400598	Cable Assembly 28,31,37,52,75	401226	Bracket 41
341872	Filter 50,51	400607	Cable Assembly 51	401227	Tab, Terminal 31,41,67,71,72,73,79,80
341873	Hood, Cable Connector 104,105	400611	Cable Assembly 51	401228	Strap, 5-7/8 Lg Braided 42
341877	Filter 88	400618	Distribution Assembly, AC 55,59	401230	Bumper 42,46
341891	Cable Assembly 28,47,68	400620	Cable Assembly 28,35,51	401232	Bumper 33,39
341893	Cable Assembly 30,103,104	400621	Cable Assembly 28,35,50	401239	Screw, 8-18 Spl 31,36,41,45,55,64,78
341895	Cable Assembly 30,103,104	400628	Connector, 15PT Receptacle 52	401245	Support 40,46
341896	Cable Assembly 30,103,105	400920	Connector, 4PT Receptacle 50,79,114	401251	Cabinet Assembly 35,36,37,41,42,44,45,70
341897	Insulator 43,69,87	400973	Strap, 4-1/4" Orange 112	401260	Plate, Trim 35,73
341898	Insulator 43,69,87	401053	Motor w/Cable 49	401261	Plate, Trim 73
341911	Cable Assembly 28,40,47	401110	Guide 40,46,70,99	401262	Bracket, Trim 68
341913	Cable w/Terminals 88	401128	Plate, Front 31,37	401263	Bracket, Trim 41,68
341920	Cover 88	401132	Cover 31,36,41,43,45	401268	Screw, 6-40 Shoulder 31,36,41,45
341926	Clip 37	401150	Connector, 9PT Receptacle 51,71,79,88,101,102,104,105,106	401269	Washer, Spring 42,46
341961	Support, Cable 47	401152	Table 83	401273	Latch, Bar 33,39
341962	Support, Cable 47	401153	Door 84,91	401274	Handle 33,39
341963	Retainer, Cable 47	401156	Foot 83	401275	Bracket, Left Window 33,39
341972	Pin, Contact 104,105	401169	Arm, Stop 45	401276	Bracket, Right Window 33,39
341973	Socket, Contact 105	401170	Spacer 45	401277	Bracket 33,39
341977	Connector, 25PT Receptacle 88,104,105	401173	Door 42	401278	Guide, Paper 33,39
341978	Connector, 25PT Plug 105	401174	Door 46	401280	Foam 33,39
343470	Label 86	401180	Door 39	401285	Spring 33,39
345630	Switch Assembly 30,98	401183	Bracket w/Post 36,37	401287	Latch 42,46
346272	Bracket 50	401184	Bracket 37	401288	Handle 42,46
346317	Bracket w/Filters 50	401190	Screw, 6-40 Shoulder 43	401291	Divider 82
346318	Cover 50	401191	Panel, End 31,78	401294	Arm 36
346327	Cradle 101	401194	Band, Trim 31,78	401299	Window 33,39
346329	Clamp 101,102	401195	Clip 31,78	401305	Plate, Left Insert 31,78
346331	Cover 101	401198	Latch 44	401306	Plate, Right Insert 31,78
346333	Cable Assembly 101,102	401200	Copyholder 30,96	401512	Screw, 1/4-20 Captive 83
346696	Shield 72	401203	Bumper 82,83,95,107	401514	Bracket, Left 41,44
346789	Cradle 102	401204	Bumper 34,35,41,44,55,59,78	401515	Bracket, Right 41,44
346790	Cover, Base 102	401212	Trim, Louver 43	401518	Screw w/Lockwasher, No. 6 Hex 37,41,44
346791	Cover 102	401213	Spring 44	401520	Module 87
346792	Pad 102	401216	Door, Printer 33	401521	Module 43,66,69,87
346929	Cover w/Pad 102	401217	Bracket, Left Door 33,42	401552	Bracket 83
400199	Clip, Retaining 31,35,77	401218	Bracket, Right Door 42	401555	Holder 83
400566	Restraint, Cable 73,79			401556	Latch 84,94
400567	Cable Assembly 31,50			401564	Plate, Trim 73

SECTION 582-212-700

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
401566	Button, Plug 82	401715	Relief, Strain 104	401868	Spring 32,34,38,77
401567	Baffle, Foam 82	401718	Relief, Strain 101,102, 105,106	401869	Screw, 10-32 Shoulder 32,34
401568	Spring 84,94	401725	Modification Kit 30,91	401870	Plate, Retaining 32,38, 57,60,77
401582	Nut w/Lockwasher, 8-32 Hex 55,59,76,80, 81,82,83,93,95	401728	Latch, Lid 82	401871	Hub 32,38,57,60,77
401585	Plate, Retaining 34	401745	Pad, Upper Front 34	401872	Bushing 32,38,57,60,77
401586	Bushing 32,34,38,57,60, 77	401746	Pad, Rear Lid 33	401873	Post 38
401590	Cradle Assembly 34	401755	Cabinet 31,32,34,73	401877	Slide Assembly, Left 38
401596	Bushing 34	401757	Label 84,94	401878	Slide Assembly, Right 38
401599	Spring, Torsion 32,34, 38,77	401763	Latch, Left 41,44	401978	Bracket 49
401601	Pin, Guide 87	401764	Latch, Right 41,44	401980	Guide 43,69,87
401623	Connector, 99T Plug 51, 71,101,102,105,106	401765	Latch 84,94	402007	Bracket 52
401625	Connector, 80PT Cord 88	401795	Plate, Front 38	402008	Retainer 52
401628	Bushing 53,85,86,112	401798	Screw, 6-40 Shoulder 37	402009	Lever, Actuating 52
401629	Cord w/Plug 53,106	401799	Latch, Left Side 37	402010	Spacer 52
401631	Channel 40,46	401800	Latch, Right Side 37	402011	Spring 52
401634	Cable Assembly 87	401802	Post 37	402012	Switch 52
401637	Plate 91	401805	Trough, Paper 96	402126	Pad, Rear Lid 39
401638	Stiffener, Cable 49	401806	Guide, Line 96	402136	Bushing 86
401640	Cable Assembly 30,103, 105	401807	Handle 96	402141	Bracket 38
401641	Cable Assembly 30,103, 106	401808	Screw, 4-40 x 5/16 Spl 96	402142	Bracket 38
401643	Cable Assembly 30,88	401809	Shaft 96	402143	Clamp, Cable 35
401645	Stiffener, Cable 49	401810	Screw, 6-40 x 3/4 Fil 96	402144	Shield, Cable 37
401646	Connector, 3PT Receptacle 49	401811	Arm, Pivot 96	402146	Cable Assembly 50,79
401647	Connector, 3PT 49,106	401812	Post 96	402147	Cable Assembly 51
401648	Connector, 3PT Plug 49, 100	401813	Locknut 96	402153	Cover, Filter 88
401662	Cover 87	401814	Shaft 96	402161	Filter Assembly 88
401665	Panel Assembly 29,83, 86,93,103	401815	Screw, 1/4-20 Spl 96	402166	Protector, Cable 69
401667	Pad 87	401816	Washer 96	402173	Cable Assembly 28,41,48
401669	Cord w/Plug 86	401817	Clamp 96	402264	Table 82
401670	Bracket 86	401818	Screw, 1/2-32 Spl 96	402266	Plate 82,91,92
401673	Switch, Toggle 86	401819	Screw, 1/4-20 Spl 96	402449	Bushing 71,72
401674	Connector, Receptacle 85,86	401820	Screw, 1/4-20 Spl 96	402875	Extension, Plug 52,75
401676	Screw, 8-32 Shoulder 87	401821	Pad 96	403445	Cable Assembly 72
401677	Cable Assembly 90	401822	Washer 96	403481	Bracket, Outlet 85
401680	Bracket 87	401825	Clip 42,68,70	403482	Switch, Toggle 85
401681	Plate 83	401826	Post 37	403498	Plate 85
401682	Bar 87	401827	Lever, Left Latch 37	403566	Holder 97
401686	Plate, Mounting 88	401828	Lever, Right Latch 37	403567	Holder Assembly 30,97
401687	Screw, 8-32 Captive 87	401835	Spring 96	403568	Padding 97
401688	Screw, Captive 43,69,87	401836	Bushing 96	403701	Terminal 54,111
401710	Bracket 43,69	401837	Lockwasher 96	403781	Cabinet 55,56,57
401714	Clip 35,41,44,68	401838	Washer, Flat 96	403785	Blower 56,61,75
		401839	Lockwasher 96	403787	Arm, Left Latch 57,60
		401840	Nut, 1/2-32 Hex 96	403788	Arm, Right Latch 57,60
		401841	Label 96	403789	Screw, 8-32 Shoulder 57, 60
		401842	Bar 32,34,38,77	403790	Plate 56,61
		401843	Strap, 5-1/2 Lg Braided 31	403791	Screw, 8-18 Shoulder 56
		401844	Hook 32,34,38,77	403792	Cradle 57,65
		401855	Shaft Assembly 96	403793	Channel, Right 57,60,110
		401861	Screw, 1/4-32 Pilot 32, 38,57,77	403794	Channel, Left 57,60,110
		401865	Cradle Assembly 32,34, 38,77	403795	Bracket 57,60,64,71
				403800	Button 64

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
403801	Button 64	405044	Terminal, Receptacle Type 53	405609	Clip, Grounding 71,99,100
403802	Table 95	405045	Terminal, Receptacle Type 48,49,66,100,106	405611	Cord Assembly 30,99,106
403803	Door 94	405046	Terminal, Plug Type 48,49,66,100	405612	Shield 100
403805	Bracket, Latch 95	405047	Cable Assembly 28,49,68,70	405613	Shield 100
403806	Bracket 94	405048	Cable Assembly 28,31,41,49	405614	Distribution Assembly 30,99,100
403807	Plate, Trim 79	405049	Cable Assembly 28,35,49	405634	Bracket, Left 60
403812	Plate, Front 55,78	405050	Distribution Assembly, AC 28,40,41,53,55,59,75	405635	Bracket, Right 60
403813	Bracket 58	405051	Cable Assembly 28,40,46,48	405636	Screw, 1/4-20 Spl 60
403814	Screw, 8-32 Shoulder 57,60	405052	Lockwasher 53	405637	Nut, 1/4-20 Spl 60
403819	Dome 56,58	405053	Strap 53	405638	Screw, 1/4-32 x 13/32 Flat 60
403821	Clamp 58	405138	Screw, 6-32 Self-Tapping 75	405639	Spacer 60
403824	Bracket 64	405520	Dome 56,58,64	405642	Spring, Torsion 62
403825	Shield 56,76	405523	Clamp, Window 58,62	405643	Spring, Torsion 58,62,74,75
403828	Plate w/Adhesive 71,79	405540	Dome 61	405644	Plate w/Adhesive 71
403830	Cable Assembly 71	405545	Cable Assembly 55,59	405660	Table 95
403832	Plate 58,62	405554	Spring, Torsion 58	405669	Shield 72,80
403835	Switch 64,111	405555	Label 57,60	405671	Modification Kit 29,71
403836	Latch, Left 58,62	405557	Foot w/Bumper 82,95	405673	Bracket 72
403837	Latch, Right 58,62	405560	Trim, Front 66,69	405674	Label 72
403838	Bracket 58,62,76	405562	Modification Kit 29,67	405675	Bracket 72,80
403840	Spring, Latch 58,62	405563	Modification Kit 29,68,69	405829	Bracket 98
403844	Spring, Compression 64,111	405565	Trim, Front 67	406046	Cable Assembly 70
403845	Bracket, 71,79	405566	Baffle 95	406047	Modification Kit 29,70
403846	Cover 71,79	405568	Shield 64,95	406065	Screw, 10-32 x 1-1/4 Hex 70
403847	Spacer 64,111	405569	Screw, 8-32 Shoulder 56,61	406188	Bracket 72
403848	Spring, Actuator 64,111	405575	Duct 56	406216	Post 65
403849	Lever, Actuating 64,111	405576	Duct 61	406219	Latch Assembly 65
403850	Bracket 64,111	405577	Base 99	406221	Channel, Right 65
403853	Plate 64,111	405578	Insert 99	406222	Channel, Left 65
403856	Collar 90,94	405579	Cover 100	406293	Guide, Paper 59
403888	Spring, Torsion 57,60	405580	Cover 99	406309	Spring, Torsion 57,60
403889	Spring, Torsion 57,60	405581	Plate, Bottom 99	406360	Strap, 3-1/2" Green 112
403890	Cable Assembly 64	405582	Disc 99	406361	Panel Assembly 110,112
403892	Cable Assembly 29,55,59,66	405583	Foot 99	406362	Strap, 7" White 112
403964	Cable Assembly 71	405584	Label 99	406363	Strap, 3" Green 112
403968	Foam, Front 63	405586	Screw, Self-Tapping 99	406364	Strap, 5" Red 112
403975	Foam, Dome 63	405589	Arm, Stop 62	406365	Strap, 5" White 112
405033	Housing 53	405590	Cradle 60	406366	Chute, Form 109
405034	Bracket 53	405591	Foam, Front 63	406367	Light, Indicating 109
405035	Actuator, Switch 53	405595	Foam, Dome 63	406368	Light, Indicating 109
405036	Handle, Switch 53	405600	Cabinet 59,60,61	406369	Switch, Rocker 109
405037	Connector, 5PT Receptacle 53,112	405604	Shield 61	406374	Modification Kit 30,114
405038	Connector, 6PT Plug 49,66,67,111	405605	Plate, Front 59	406379	Shaft 108
405039	Spacer 53			406380	Release, Latch 108
405040	Insulator, Switch 53			406381	Latch w/Button 108
405041	Insulator 53			406382	Spring, Latch 108
405042	Switch 53			406384	Plate, Latch 107
405043	Capacitor 53,85,100,112			406387	Plate, Nut 107
				406388	Plate, Nut 107
				406389	Cover 107

SECTION 582-212-700

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
406390	Bracket, Latch 108	407062	Clip, Window 74	407152	Window 76
406391	Plate, Striker 108	407064	Clamp, Left 58	407153	Transformer 81
406395	Hinge, Right 108	407065	Clamp, Right 58	407154	Door 76
406396	Hinge, Left 108	407066	Clamp, Cable 67	407155	Foam 76
406399	Plate, Nut 108	407075	Input Assembly, Signal 71	407156	Foam 76
406400	Plate 110			407158	Cable Assembly 80
406401	Plate, Switch 108	407076	Capacitor Assembly 72	407159	Bushing, Shoulder 77
406402	Plate, Cover 107	407077	Input Assembly, Signal 72,80	407161	Lever, Leg 55,59,78
406403	Bracket 107			407162	Cap 55,59,78
406404	Plate 112	407078	Strip, Ground 42,68,70	407163	Filler w/Cover 79,80
406405	Button, Plug 108	407080	Window 58	407164	Filler w/Cover 80
406406	Support, Left 110	407081	Window 62	407170	Duct, Fan 75
406407	Support, Right 110	407085	Housing 54	407176	Cover 55,59
406408	Support, Left Printer 110	407088	Switch, Rocker 54,109	407192	Guide, Paper 76
406409	Support, Right Printer 110	407090	Switch Assembly 28, 40,41,54,55,58	407196	Guide 33,39
		407092	Insulator 54	407197	Guide, Paper 33,39
406410	Tray 110	407093	Cord Assembly 54	407200	Modification Kit 29,74
406411	Bracket 108	407100	Modification Kit 29,79	407201	Bracket 74
406413	Barrier 108	407101	Modification Kit 29,80, 81	407202	Modification Kit 29,74
406417	Leg, Cabinet 107			407215	Label 113
406418	Top, Cabinet 108,109	407102	Modification Kit 29,79	407216	Holder, Label 113
406419	Housing 112	407110	Dome 76	407285	Panel Assembly 29,82,85,93
406423	Bracket 108	407111	Cabinet 75,77	407301	Cable Assembly 72,80
406424	Cable Assembly 111	407112	Foam, Front 78	407302	Cable Assembly 72
406426	Bracket 111	407113	Foam, Right 78	407303	Cable Assembly 72
406431	Label 108	407114	Divider, Foam 78	407323	Cable Assembly 72,80
406432	Cable Assembly 30,111	407117	Foam, Bottom Front 80	407378	Module Assembly 30,87
406434	Strap, 7" Braided 107	407118	Foam, Bottom Large 79	408005	Latch 92
406437	Cord Assembly 112	407121	Bracket 80	408007	Guard, Fan 89
406444	Guide, Front Paper 114	407122	Cable w/Bracket 79	408008	Plate 66,69
406445	Guide, Rear Paper 114	407123	Plug, Jumper 79	408015	Fan Assembly 69,89
406446	Cable Assembly 114	407124	Power Supply 80,81	408017	Cable Assembly 69,89
406447	Paper-Out Assembly 114	407125	Bracket, Left Seal 75	408018	Switch, Toggle 86
407001	Adhesive, 5/8 x 14-5/16 31,37,66,69	407127	Pin, Hinge 76	408022	Bracket 69,89
		407128	Bracket 81	408029	Filter Assembly 89,103
407002	Adhesive, 5/8 x 18-15/32 55,78	407129	Shaft 76	408030	Guard Assembly, Fan 30, 89
407003	Adhesive, 26 x 5/8 59	407131	Plate w/Button 76	408038	Plate, Front 66,69
407012	Adhesive 72	407132	Spring, Latch 76	408039	Insulator, Switch 86
407022	Adhesive, 3 x 13-1/2 79	407133	Latch, Window 76	408041	Bracket 82
407024	Modification Kit 29,72	407134	Lever 76	408043	Holder 82
407025	Modification Kit 29,71	407135	Bracket, Left Latch 76	408044	Bracket 91,92
407026	Modification Kit 29,71	407136	Bracket, Right Latch 76	408045	Modification Kit 30,91
407027	Bracket, Switch 55,59	407137	Bracket 75	408047	Modification Kit 30,92
407042	Modification Kit 29,73	407138	Spring w/Button 76	408049	Modification Kit 30,92
407043	Modification Kit 29,73	407141	Post 75	408050	Ventilation Assembly 30, 66,69,89
407046	Foam, Dome 63	407142	Clamp, Window 76		
407048	Bracket, Stop Arm 58, 75,76	407145	Spring 76	408051	Modification Kit 29,66
		407146	Cable Assembly 81	408052	Switch Assembly 86
407055	Chassis w/Fan Assembly 68,69	407147	Cable Assembly 81	408053	Modification Kit 30,90
		407148	Cable Assembly 75	408054	Modification Kit 30,90
407057	Post 58,62,74,75	407149	Guide 76	408064	Foot w/Nut 82,95
407060	Guide, Narrow Paper 74	407150	Latch 76	408073	Label 92
407061	Guide, Wide Paper 74	407151	Screw w/Washer 56,76, 78	408676	Lever 114
				408677	Bracket 114

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
408881	Insulator 85,112	408896	Cradle w/Bracket 65	410056	Card, Circuit 50,71,79
408882	Strip, Terminal 85,112	408897	Cradle w/Bracket 65	410624	Card Assembly, Circuit 53
408893	Cover 101	408981	Cord Assembly 85		
408894	Cover w/Pad 101	408986	Guide, Paper 55	410626	Card, Circuit 54
408895	Pad 101	409624	Card, Circuit 53	430566	Switch, Rocker 100