

“DATASPEED*” 4500 CABINETS, TABLES, AND FACILITIES
DISASSEMBLY/REASSEMBLY, PARTS, AND ADJUSTMENTS

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1. GENERAL

1.01 This section provides the disassembly/reassembly, parts, adjustments/lubrication for DATASPEED* 4500 cabinets, tables (here after referred to as 4500-type) and facilities shown in 2. UNIT IDENTIFICATION.

1.02 This section is reissued to incorporate the latest engineering changes available at this time. Because this is a general revision, marginal arrows have been omitted.

1.03 This section includes the procedures for removing and replacing the principle components of the 4500-type cabinets, tables 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.

*Registered Trademark of AT&TCo.

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.

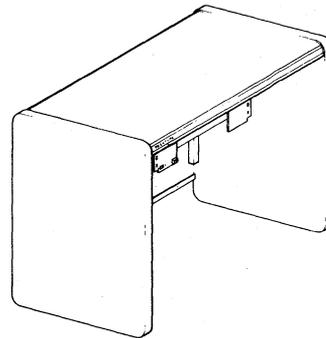
1.08 Clean the cabinet after servicing. When cleaning the cabinet use a mild detergent, rinse with damp cloth and buff dry.

1.09 When ordering replaceable parts or components, unless otherwise specified, prefix each part number with the letters “TP” (ie, TP410055).

2. UNIT IDENTIFICATION

2.01 All the units covered in this section are listed and shown in 2.02 through 2.03.

2.02 Tables

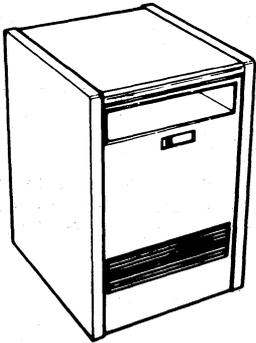


• 45CAB501/AAA – Provisions to mount upon and monitor base (free standing) will not facilitate 45CAB401 controller cabinet. Table is 36 inches wide, 22 inches deep, and 30 inches high. Table weight approximately 100 pounds.

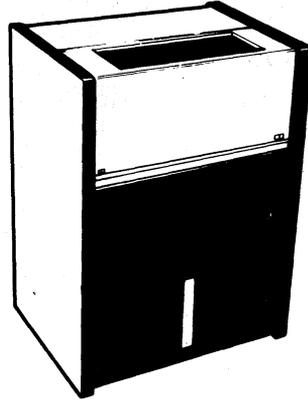
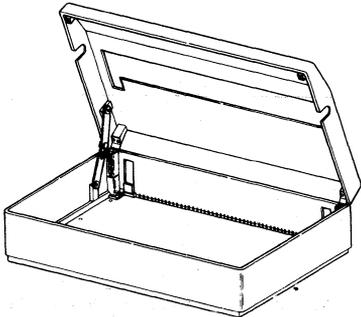
- 45CAB502/AAA — Provisions to mount upon and monitor base (free standing), will facilitate 45CAB401 controller cabinet. Table is 45 inches wide, 22 inches deep, and 30 inches high. Table weight approximately 110 pounds.
- 45CAB503/AAA — Houses 45C340 type controller mounted in a 45CAB401 cabinet. Table is 20 inches wide, 22 inches deep, and 30 inches high. Table weight is approximately 80 pounds.

- 454120 Cabinet Assembly — Houses table top character printer. Cabinet is seven inches high, with printer it is 10 inches high. Cabinet is 24-3/4 inches wide, 16 inches deep. Cabinet weight is approximately 12 pounds, with printer 42 pounds.

2.03 Cabinets

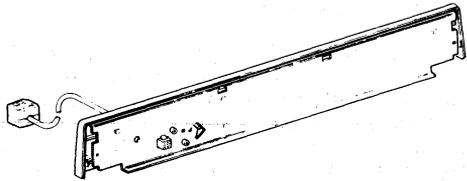


- 40CAB401/AAA — Houses 45C340 type controller. Cabinet is 17 inches wide, 19 inches deep, and 28 inches high. Cabinet weight is approximately 50 pounds.



- 45CAB701/AAA and 45CAB702/AAA — Houses line printer. Cabinet is 30 inches wide, 22 inches deep, and 42 inches high. Cabinet weight approximately 160 pounds.

2.04 Keyboard Base



- 45BSE301 — Base for 45K301 keyboard, 24-1/2 inches wide, 3/4 inch deep, and 3-3/4 inches high. Weight is approximately 2 pounds.

3. DISASSEMBLY/REASSEMBLY

TABLES

3.01 Tables (45CAB500 Series)

Note: Refer to the following steps and illustrations for suggested assembly procedure, for disassembly, reverse procedure.

- Instructions for assembly 4540 tables, 40CAB501/AAA (36 inches), 45CAB502/AAA (45 inches), and 45CAB503/AAA (20 inches wide.).

451431 — 42-1/4"
 451432 — 33-1/4"
 451433 — 17-1/4"

Note: There will be six holes located here on 451431 and 451432 tops; none on 451433 top.

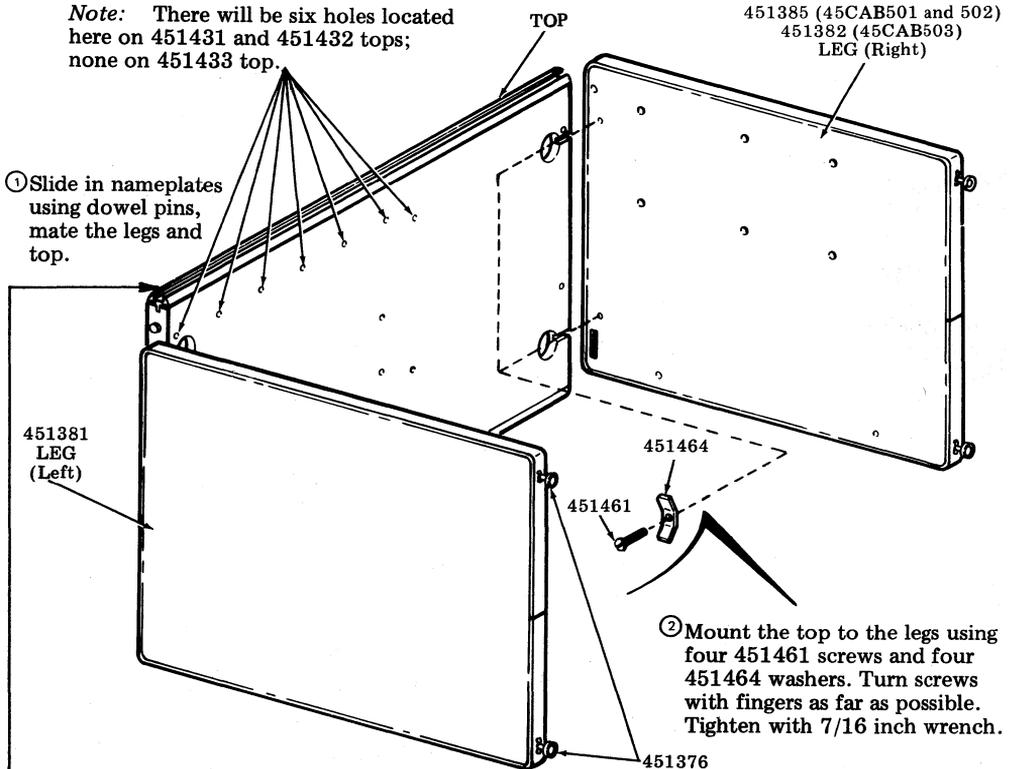
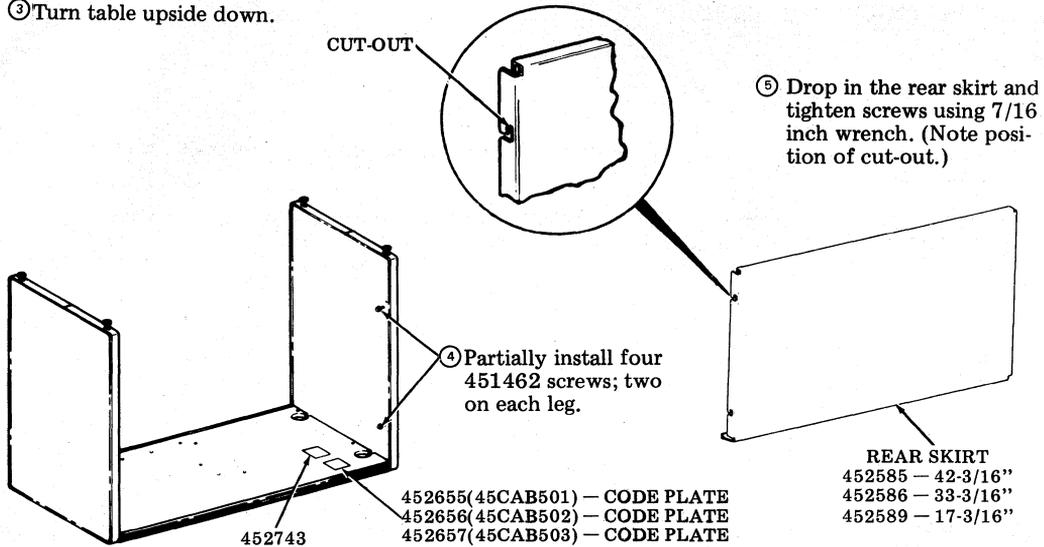


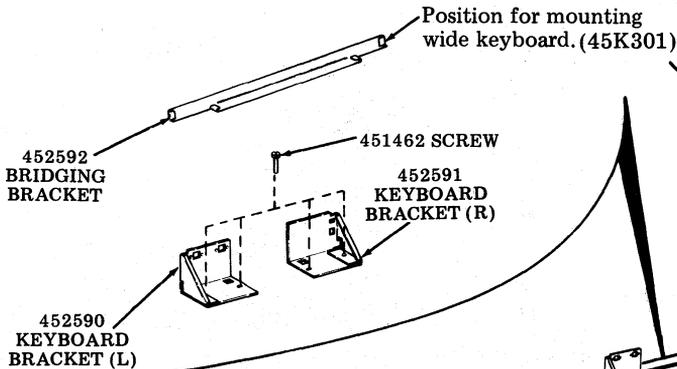
TABLE CODE	NAME PLATE FRONT AND REAR
45CAB501	451151
45CAB502	451150
45CAB503	451152

③ Turn table upside down.



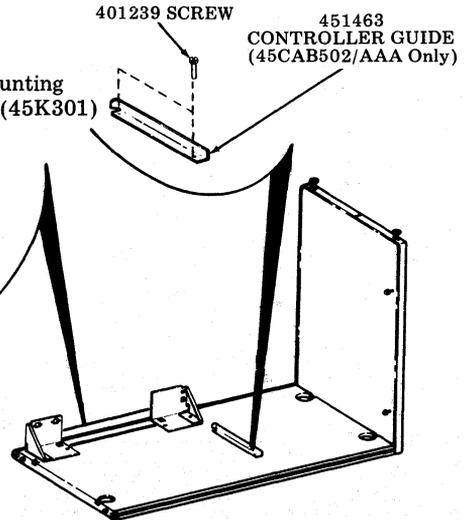
• 45CAB501/AAA and 45CAB502/AAA Tables (Only)

⑥ Mount keyboard brackets to bridging bracket. Note which keyboard is being used, mount to table.



Note: Left leg and skirt not shown for clarity of assembly.

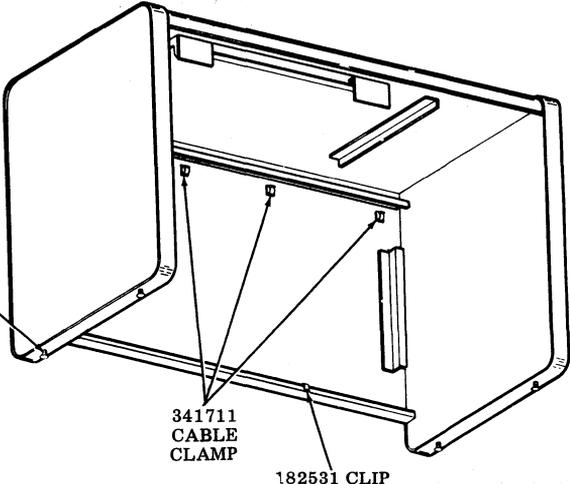
⑦ Mount controller guide.



⑧ Turn table upright and set in location to be used. If necessary, stabilize table by turning leg levelers not reaching the floor. Size of wrench required is 9/16 inch.

⑨ Mount three 341711 cable clamps and a 182531 clip in approximately the positions shown.

Note: If necessary, stabilize table by turning leg leverers not reaching the floor. Size of wrench required is 9/16 inch.

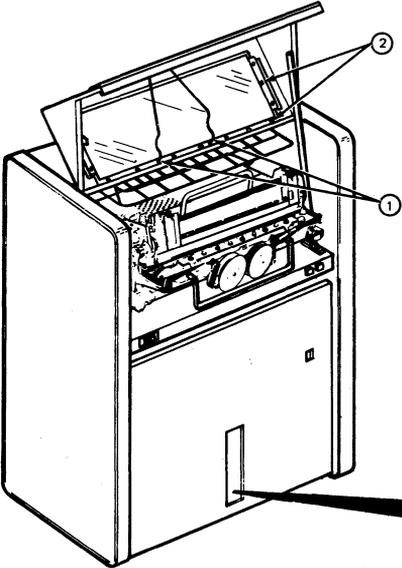


CABINETS

3.03 45CAB701 Auxiliary Line Printer Cabinet.

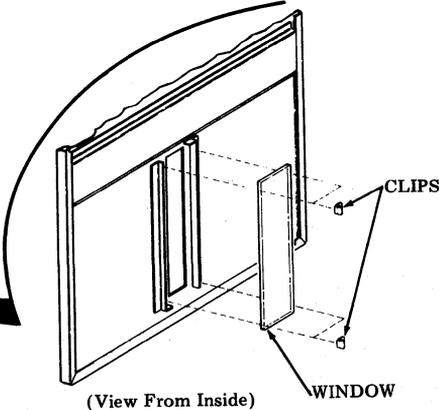
• To remove cover window

- ① Remove two nuts to remove paper deflector.
- ② Remove thirteen nuts and two clamps. Remove window.



• To remove lower door window.

- ① Pry off four clips, remove window.



4. PARTS IDENTIFICATION

4.01 The following list contains the figure and page number of all the part illustrations.

FIGURE	CONTENT	PAGE
1	45CAB701/AAA and 45CAB702/AAA 132-Column Tractor Feed Printer Cabinets	17-12
2	452610 AC Switch Assembly	13
3	407075 SSI Bracket Assembly	14
4	452620 Cable Assembly	15
5	452624 Cable Assembly	15
6	Foam Pad Location for 45CAB701/AAA and 45CAB702/AAA Cabinets	16
7	45CAB401/AAA Controller Cabinet	17
8	45BSE301 Stand Alone Keyboard Base	18
9	346730 OEM Filter Assembly	19
10	454120 Cabinet for Table Top Character Printer	20-21
11	Nameplates	22

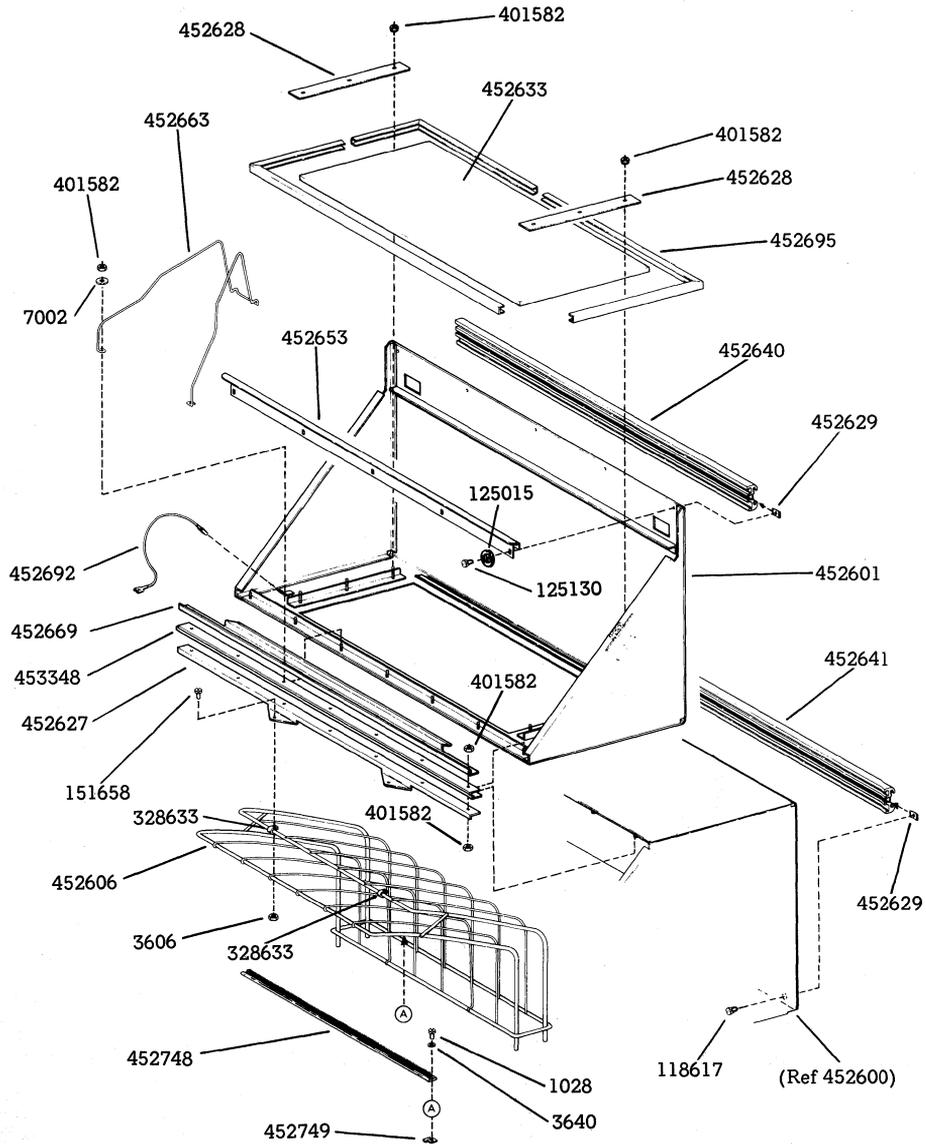


Fig. 1—45CAB701/AAA and 45CAB702/AAA 132-Column Tractor Feed Printer Cabinets

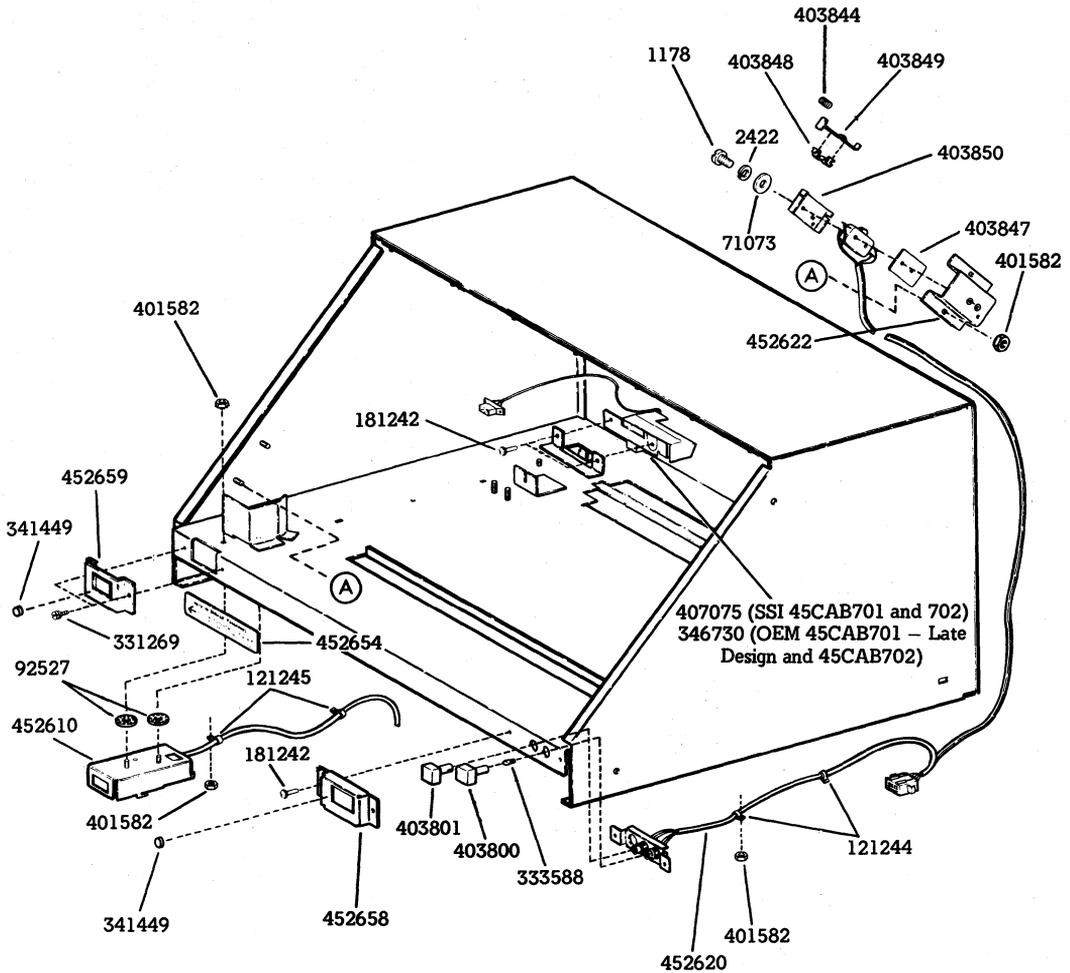


Fig. 1-45CAB701/AAA and 45CAB702/AAA 132-Column Tractor Feed Printer Cabinets (Contd)

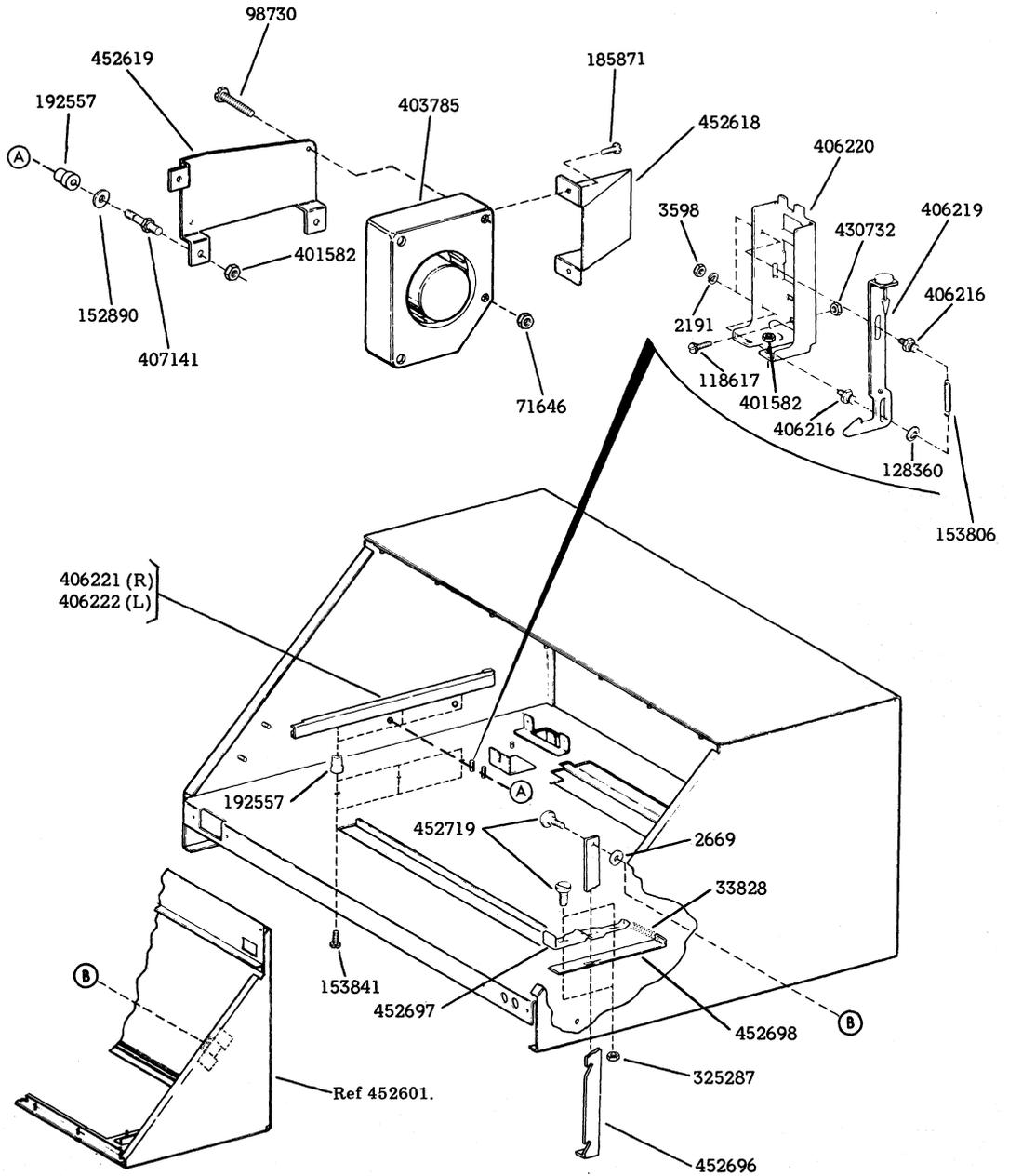


Fig. 1-45CAB701/AAA and 45CAB702/AAA 132-Column Tractor Feed Printer Cabinets (Contd)

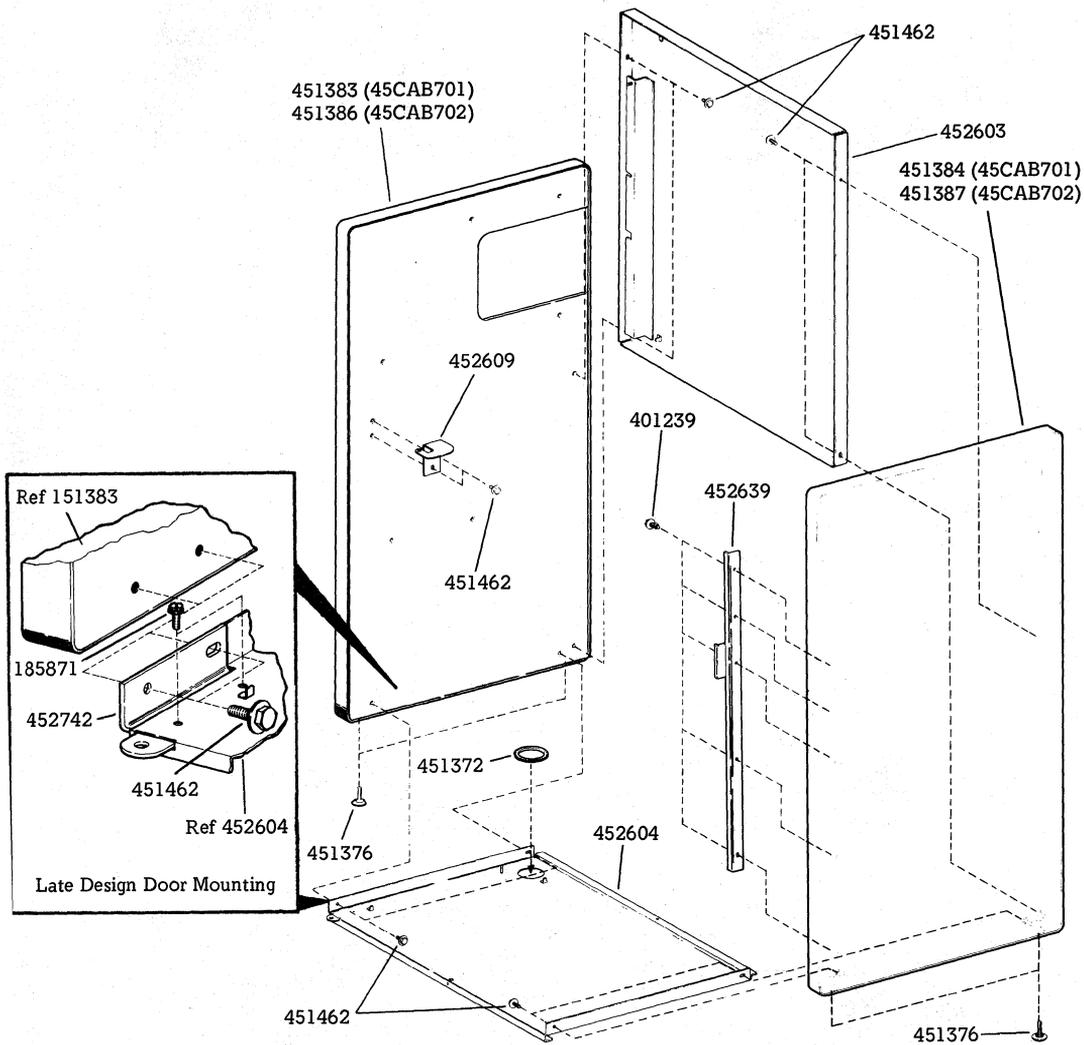


Fig. 1—45CAB701/AAA and 45CAB702/AAA 132-Column Tractor Feed Printer Cabinets (Contd)

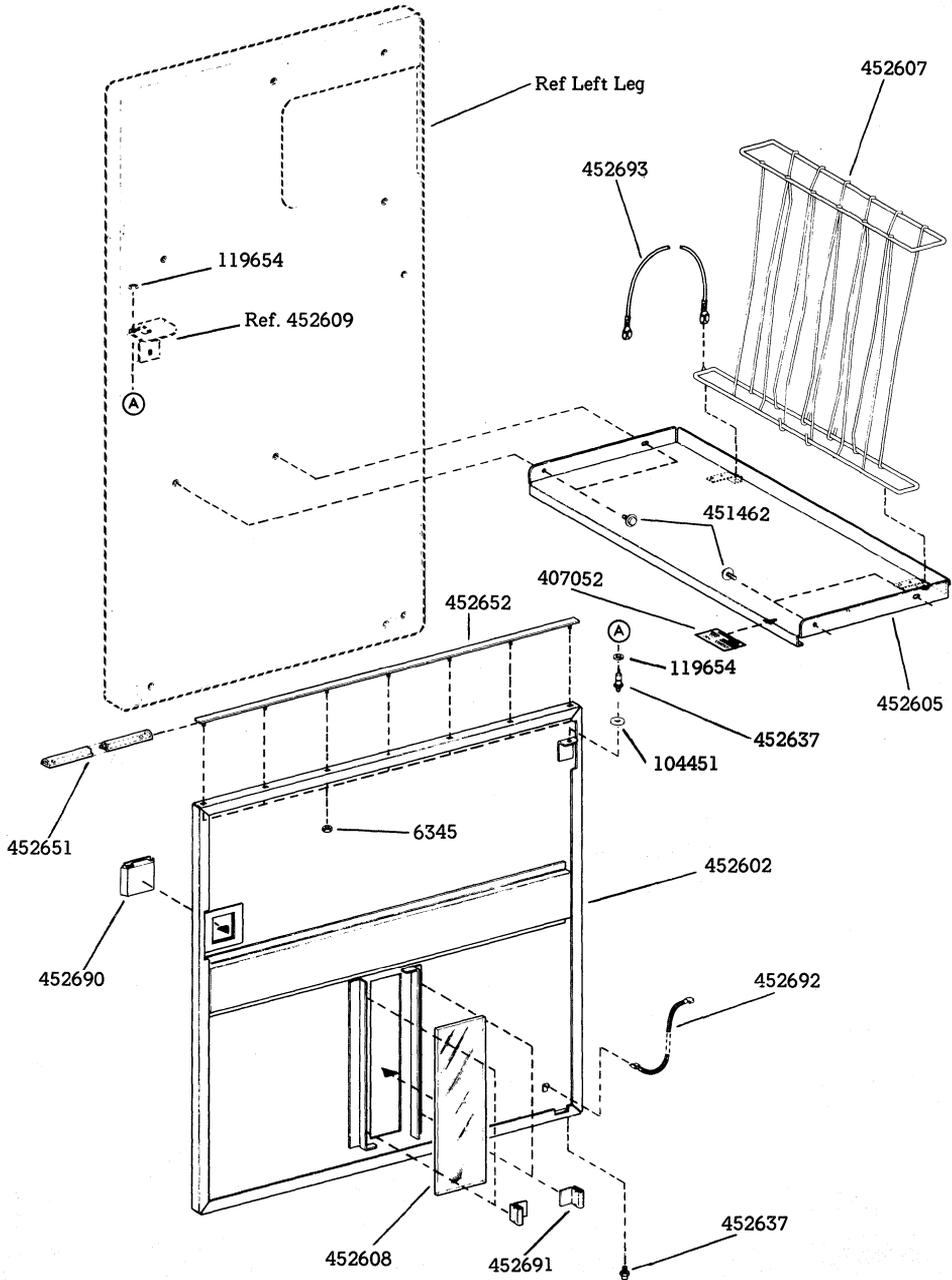


Fig. 1-45CAB701/AAA and 45CAB702/AAA 132-Column Tractor Feed Printer Cabinets (Contd)

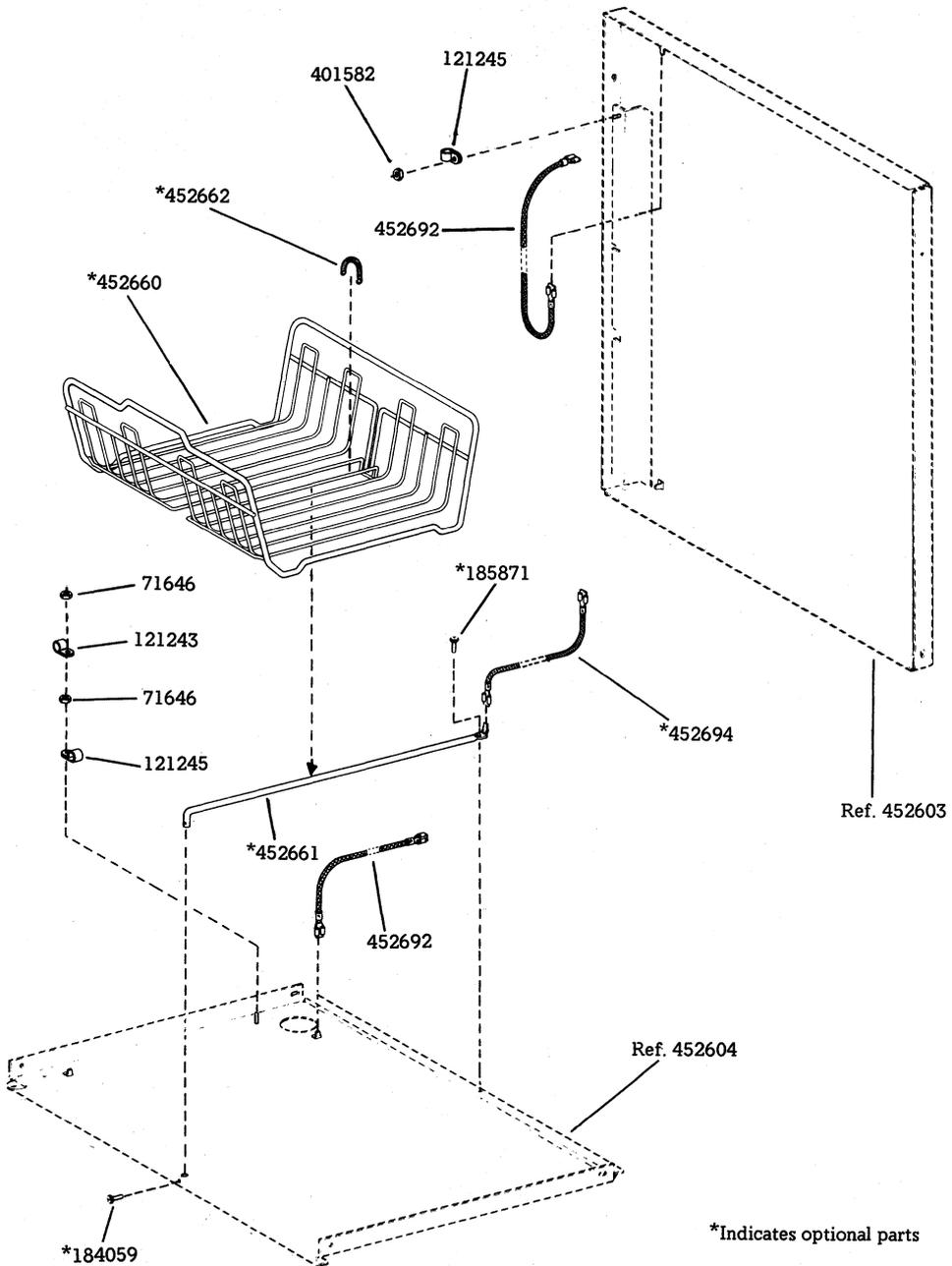


Fig. 1—45CAB701/AAA and 45CAB702/AAA 132-Column Tractor Feed Printer Cabinets (Contd)

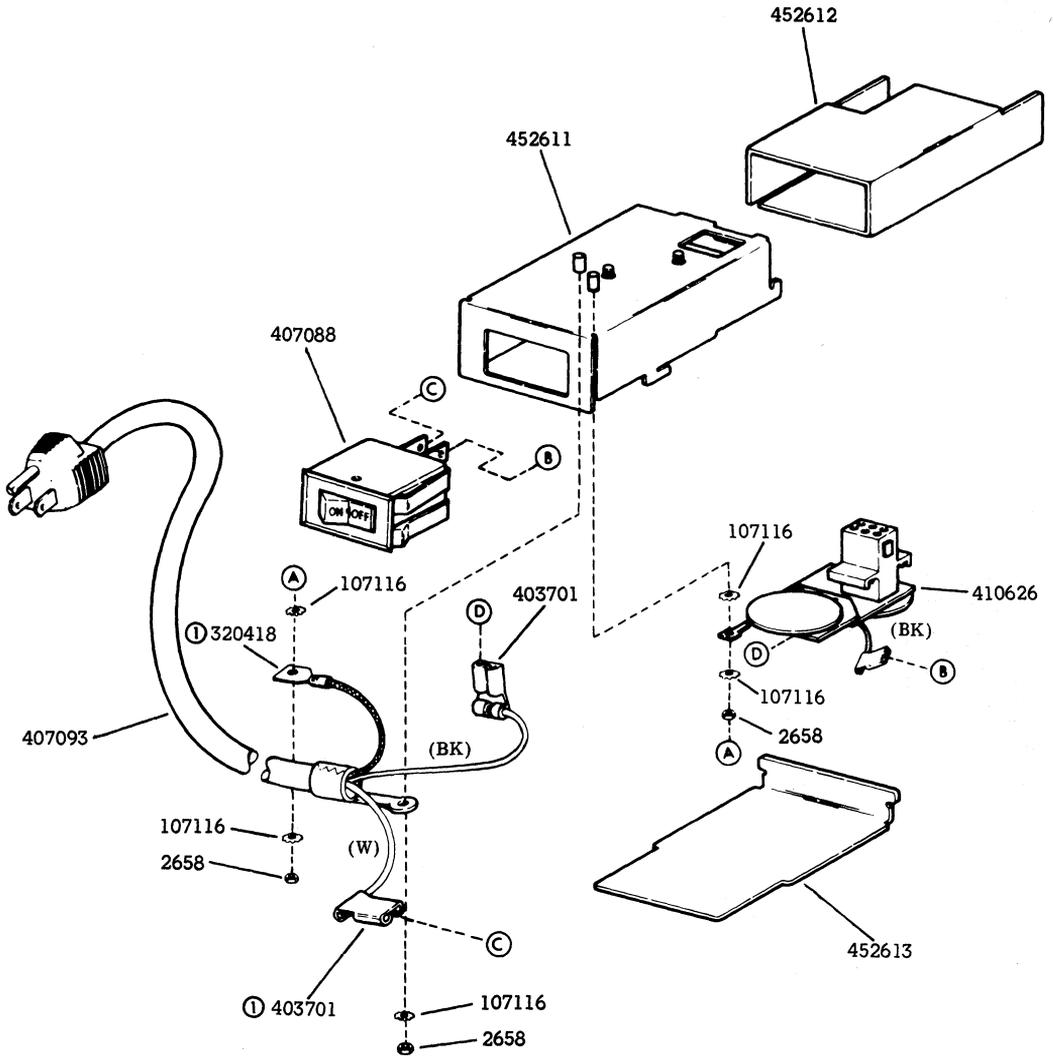


Fig. 2-452610 AC Switch Assembly

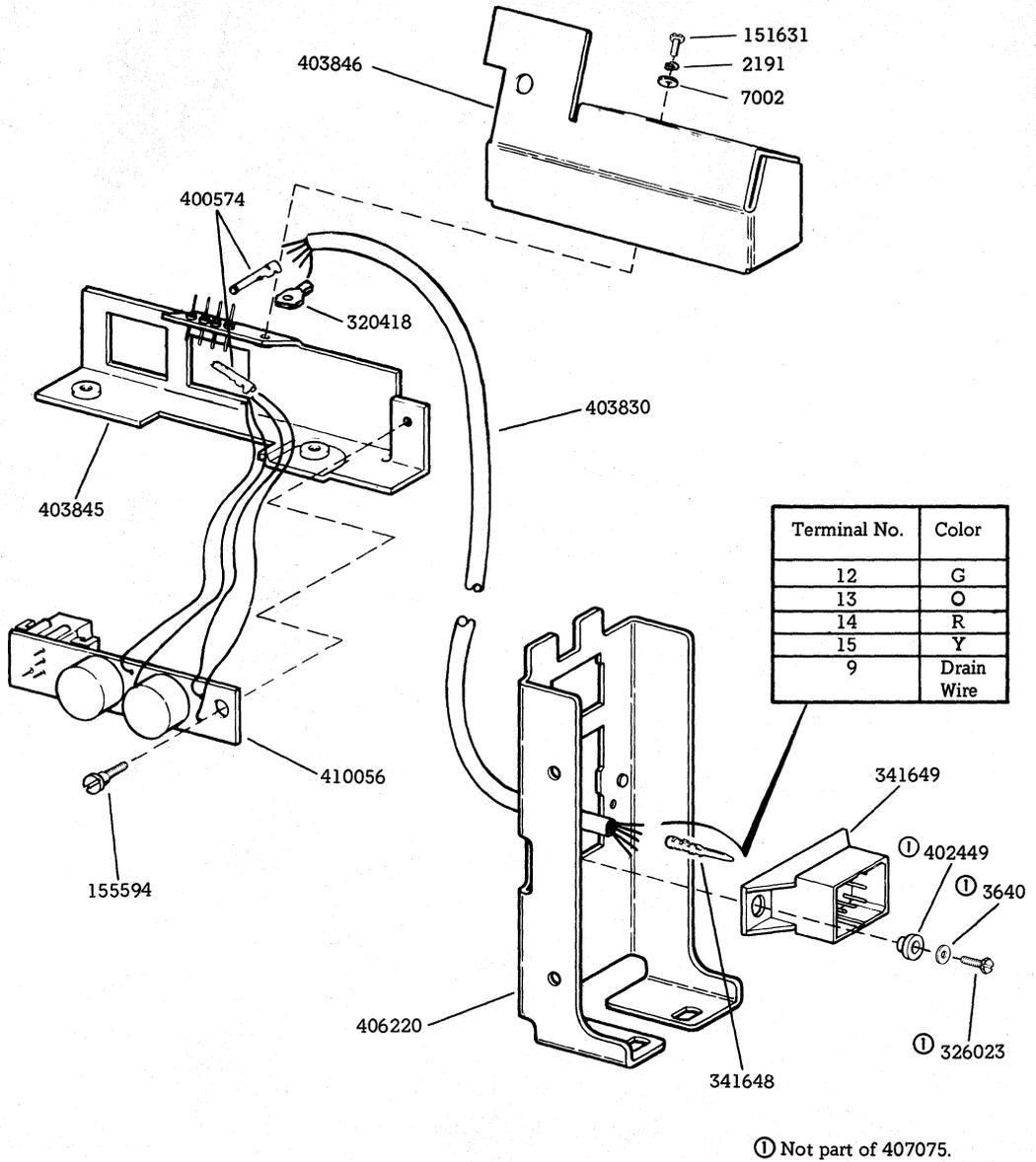
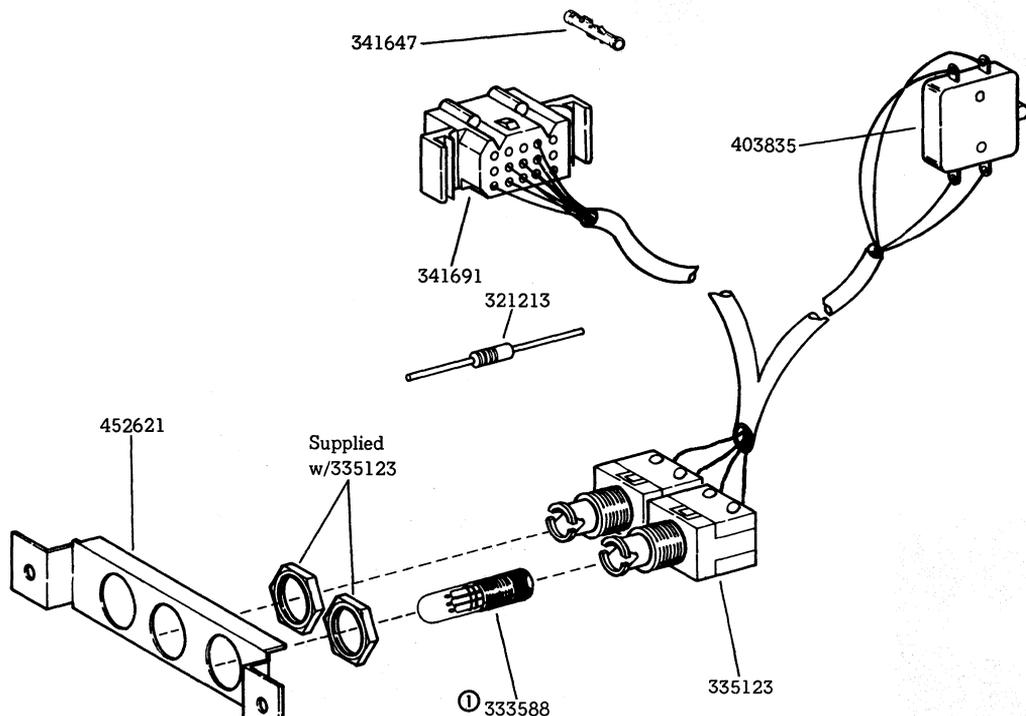


Fig. 3-407075 SSI Bracket Assembly



① Not Part of 452620 Cable Assembly.

Fig. 4-452620 Cable Assembly

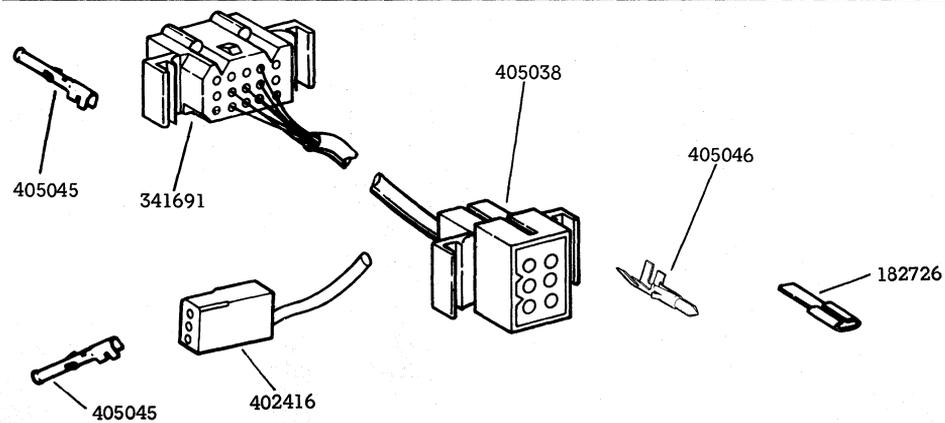


Fig. 5-452624 Cable Assembly

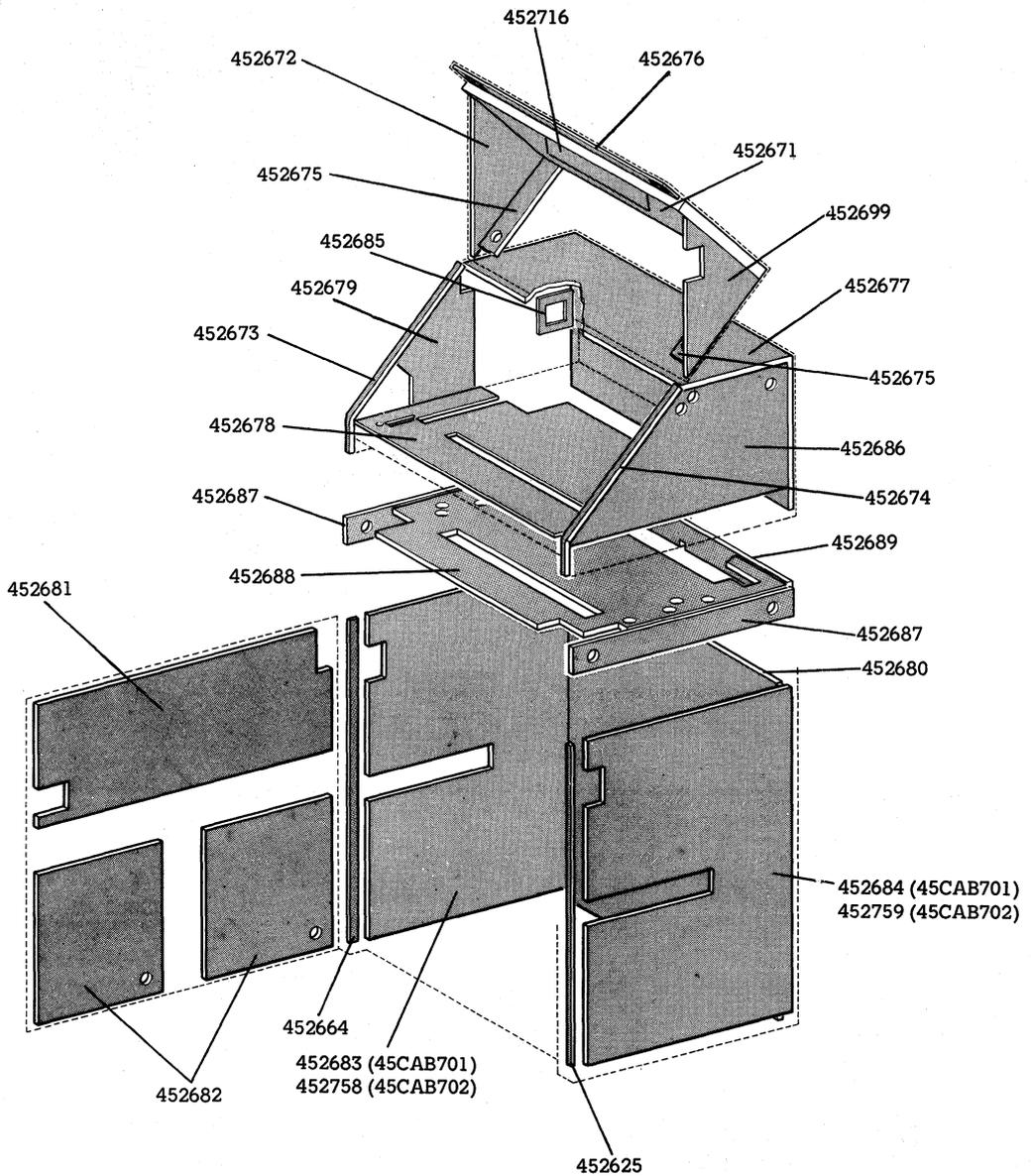


Fig. 6—Foam Pad Location for 45CAB701/AAA and 45CAB702/AAA Cabinets

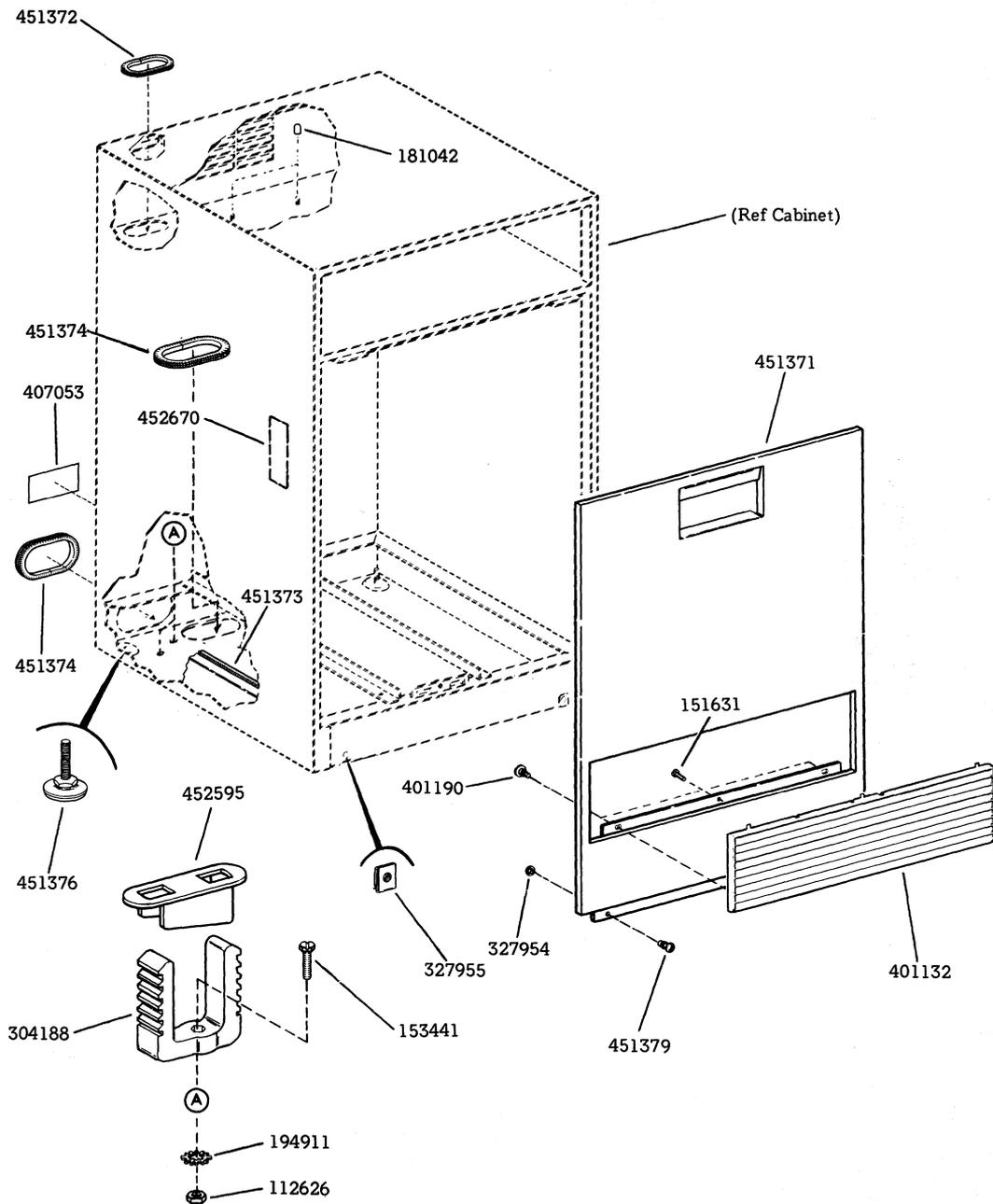


Fig. 7-45CAB401/AAA Controller Cabinet

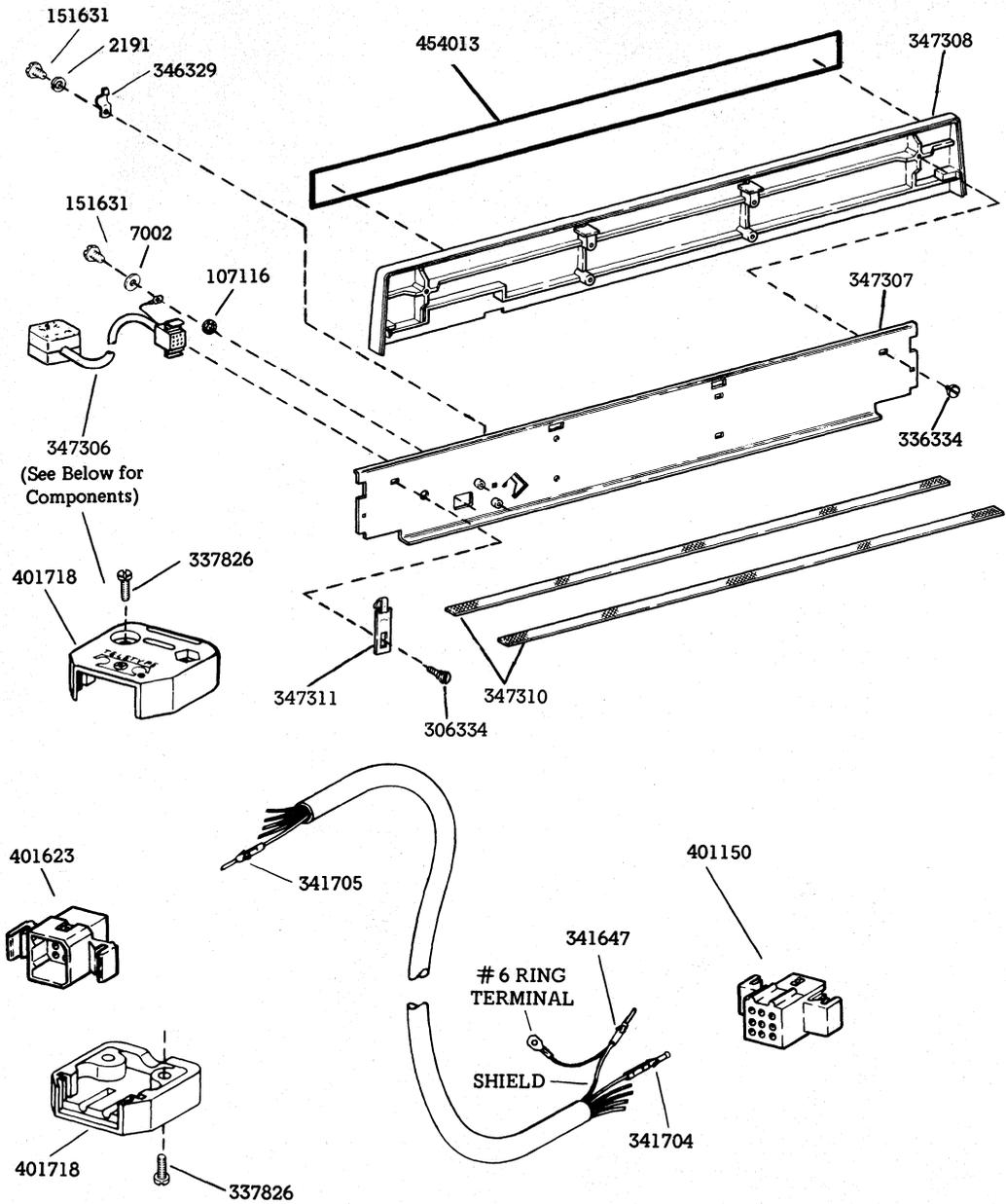


Fig. 6-45BSE301 Standalone Keyboard Base

NOTE: Mounts in the same position as 407075 SSI bracket assembly. Some early design 45CAB701 cabinets did not have the large cut-out to accommodate the 346730 OEM filter assembly.

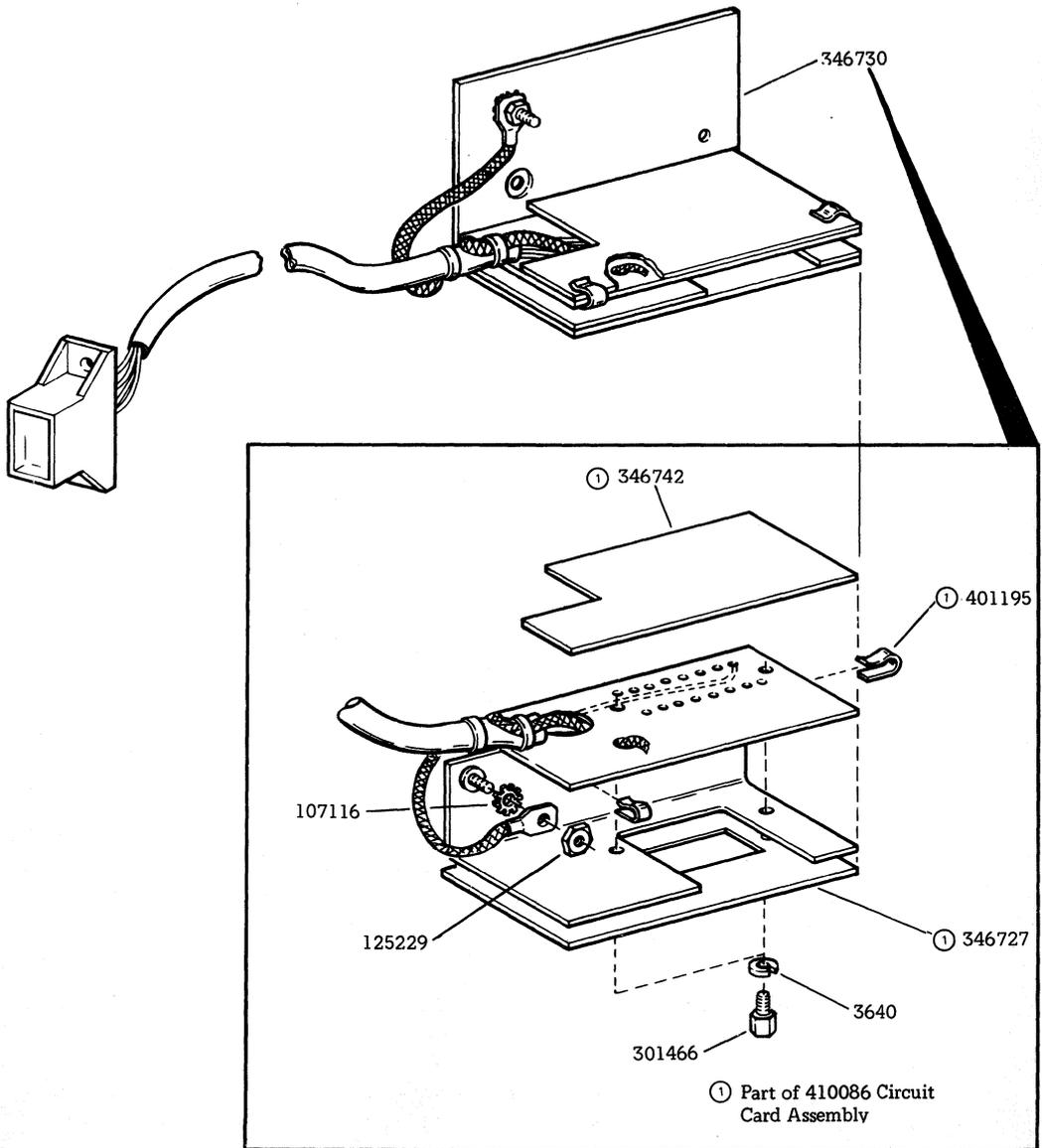
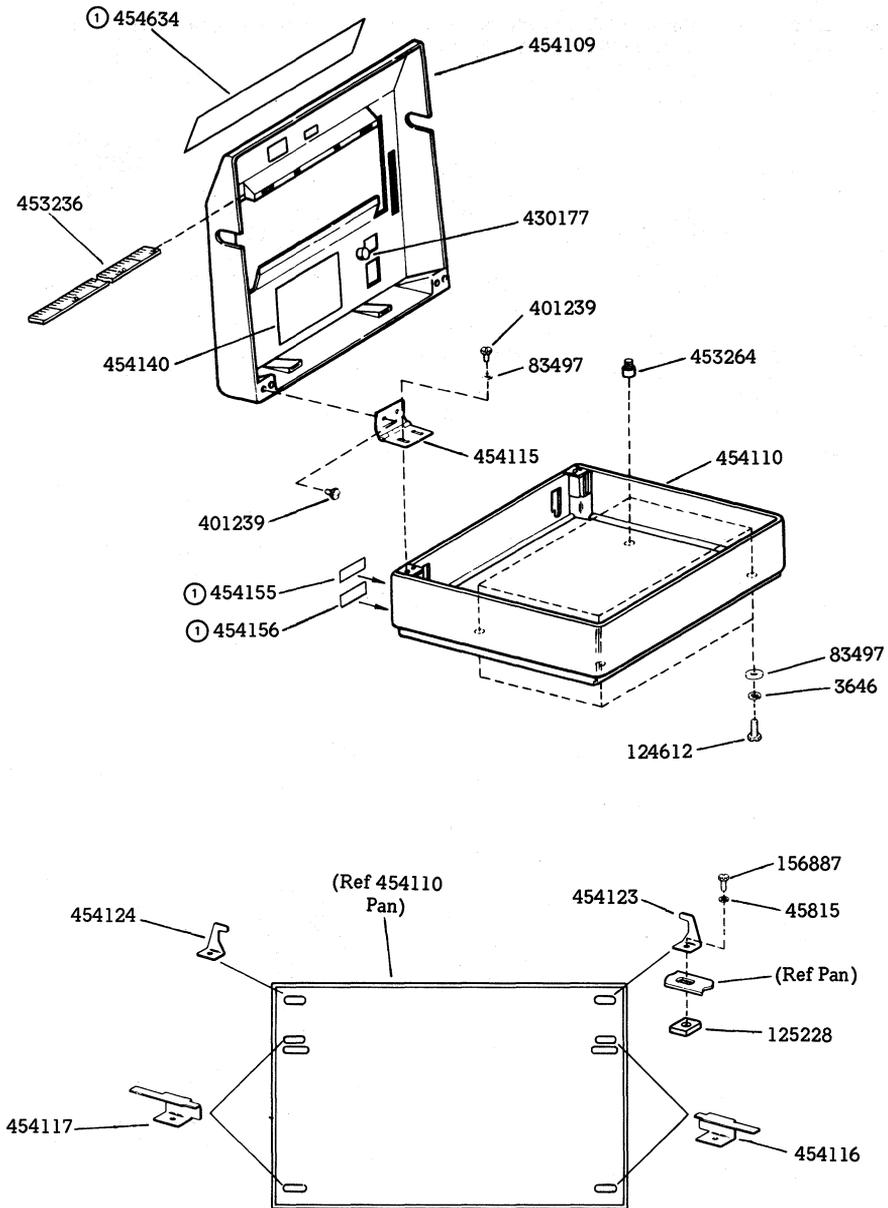


Fig. 9-346730 OEM Filter Assembly



① Not Part of 454120.

Fig. 10-454120 Cabinet for Table Top Character Printer

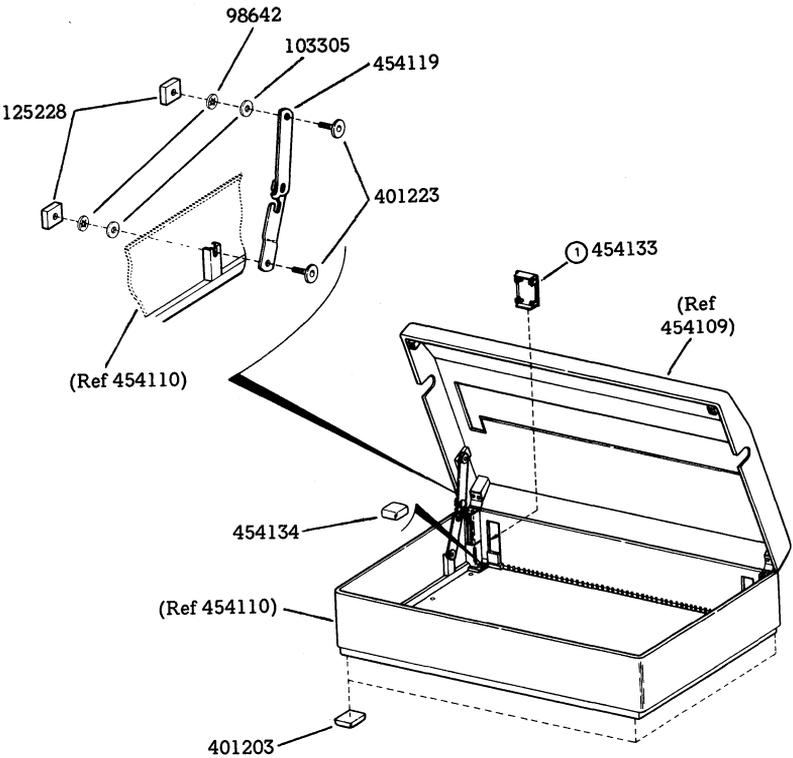
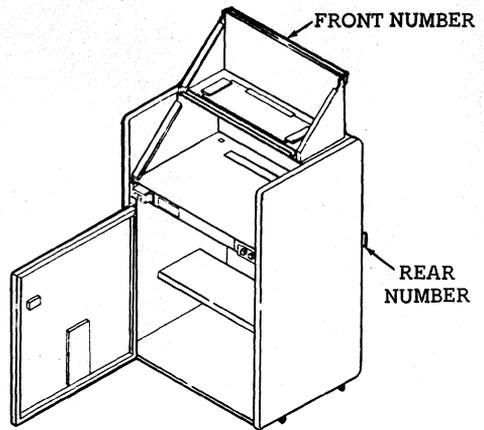
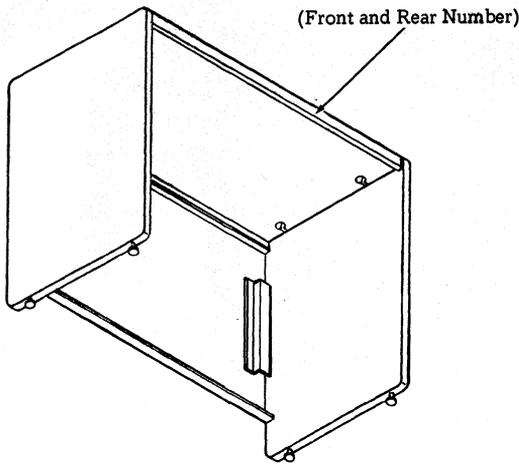


Fig. 10-454120 Cabinet for Table Top Character Printer (Contd)



45CAB500 SERIES TABLES

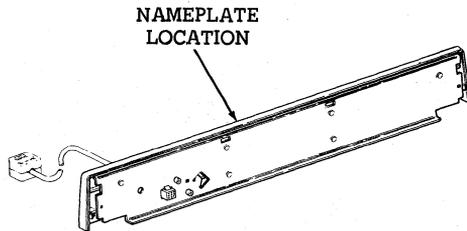
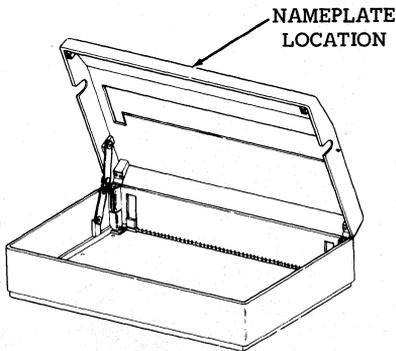
TABLE CODE	FRONT AND REAR NO.
45CAB501/AAA	451151
45CAB502/AAA	451150
45CAB503/AAA	451152

FRONT VIEW 40CAB701/AAA AND 45CAB702/AAA CABINETS

CABINET CODE	FRONT NO.	REAR NO.
45CAB701/AAA 45CAB702/AAA	451154	451153

454120 CABINET ASSEMBLY

NAMEPLATE NO. 454634



45BSE STANDALONE KEYBOARD BASE

BASE CODE	NAMEPLATE NO.
45BSE301	454013

Fig. 11-Nameplates

5. ADJUSTMENT/LUBRICATION

COVER SUPPORT LATCH SPRING TENSION ADJUSTMENT

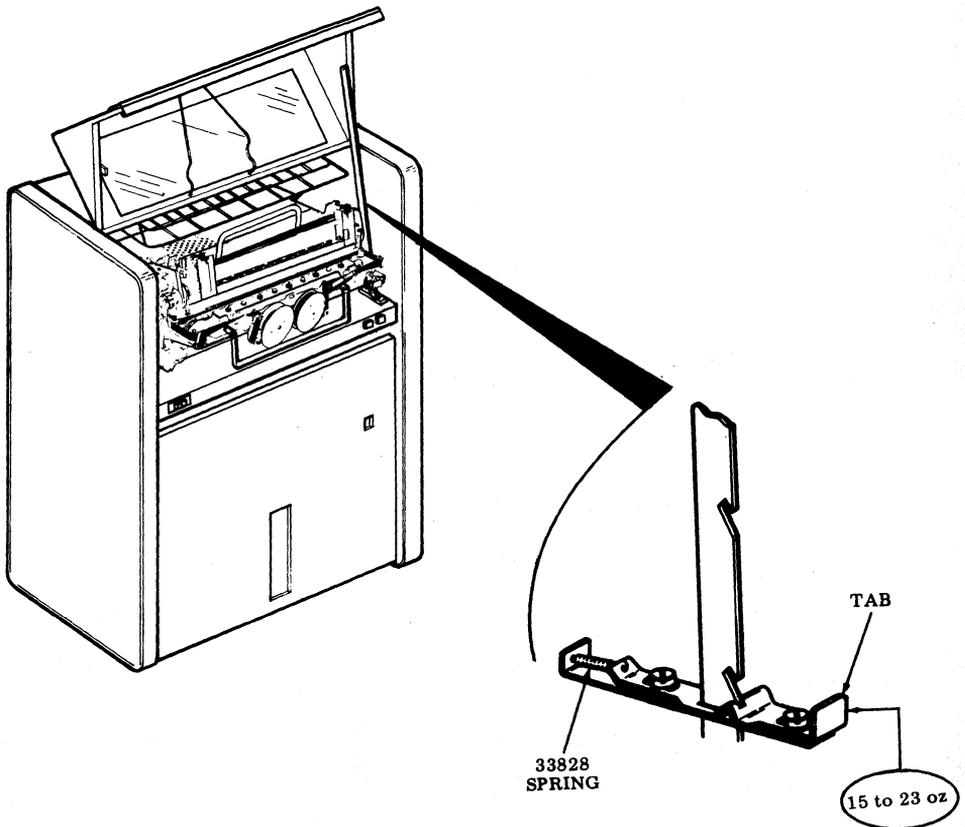
Requirement

Cover fully opened it should take

15 to 23 ounces

to start the latch moving forward when pulling from front of tab.

If requirement is not met, replace spring.



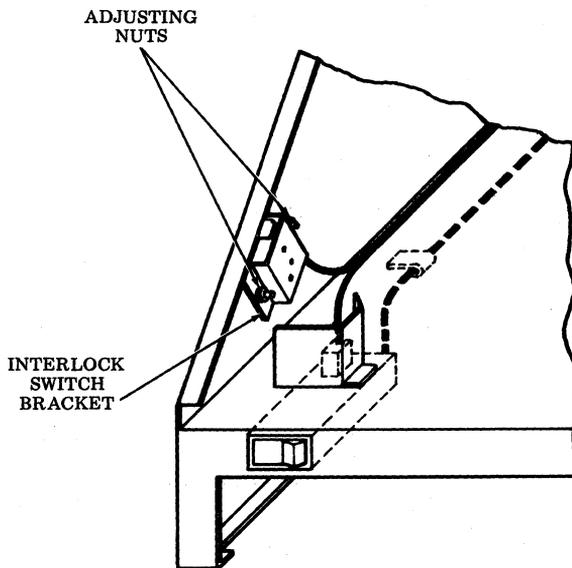
INTERLOCK SWITCH ADJUSTMENT

Requirement

With the Cabinet closed and the ac power switch on, the interlock switch should be activated to turn power on to the printer.

To Adjust

Loosen two nuts that hold the interlock switch bracket to the cabinet. Slide bracket forward to its farthest position. Tighten nuts.



6. NUMERICAL INDEX

Note: When ordering parts prefix each number with the letters "TP" unless specified otherwise.

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 7	152890	Washer, Flat 9	341691	Connector, 15 Pt Receptacle 15
1178	Screw, 2-56 x 7/16 Fil 8	153441	Screw, 10-32 x 7/16 Hex 17	341704	Terminal, Receptacle Type 18
2191	Lockwasher 9,14,18	153806	Spring 9	341705	Terminal, Plug Type 18
2422	Lockwasher 8	153841	Screw, 6-40 x 9/16 Hex 9	346329	Clamp 18
2658	Nut, 6-32 Hex 13	155594	Screw, 4-40 Shoulder 14	346727	Plate 19
2669	Lockwasher 9	156887	Screw, 10-32 x 9/16 Hex 20	346730	Filter Assembly 6,8,19
3598	Nut, 6-40 Hex 9	181042	Tip, Rubber 17	346742	Cover, Insulating 19
3606	Nut, 6-40 Hex 7	181242	Screw w/Lockwasher 6-40 x 5/16 Hex 8	347306	Cable Assembly 18
3640	Lockwasher 7,14,19	182726	Terminal, Receptacle Type 15	347307	Plate 18
3646	Lockwasher 20	184059	Screw w/Lockwasher 6-40 x 1/2 Hex 12	347308	Cover 18
6345	Nut, 6-32 Hex 11	185871	Screw w/Lockwasher 8-32 x 3/8 Hex 9,10,12	347310	Pad 18
7002	Washer, Flat 7,14,18	192557	Grommet, Rubber 9	347311	Stop 18
33828	Spring 9	194911	Lockwasher 17	347311	Stop 18
45815	Lockwasher 20	301466	Screw, 4-40 Spl 19	400574	Terminal, Plug Type 14
71073	Washer, Flat 8	304188	Clamp 17	401132	Louver 17
71646	Nut, 6-32 Hex 9,12	306334	Screw, 6-40 Shoulder 18	401150	Connector, 9 Pt Receptacle 18
83497	Washer, Flat 20	320418	Terminal, Ring Type 13,14	401190	Screw, 6-40 Shoulder 17
92527	Lockwasher 8	321213	Resistor 15	401195	Clip 19
98642	Lockwasher 21	325287	Nut w/Lockwasher 10-32 Hex 9	401203	Bumper 21
98730	Screw, 6-32 x 1-1/4 Rd 9	326023	Screw, 4-40 x 9/32 Hex 14	401223	Screw, 10-32 Shoulder 21
103305	Washer, Flat 21	327954	Retainer, Split Ring 17	401239	Screw, 8-18 Spl 10,20
104451	Lockwasher 11	327955	Nut, Speed 17	401582	Nut, w/Lockwasher, 8-32 Hex 7,8,9,12
107116	Lockwasher 13,18,19	328633	Clamp, Cable 7	401623	Cable Assembly 18
112626	Nut, 10-32 Hex 17	331269	Screw, 6-32 Self-Tapping 8	401718	Relief, Strain 18
118617	Screw, 6-32 Self-Tapping 7,9	333588	Lamp, 28V Miniature 8,15	402416	Connector, 2 Pt Plug 15
119654	Ring, Retaining 11	335123	Switch, Pushbutton 15	402449	Bushing 14
121243	Clamp, 3/16 ID Cable 12	336334	Collar 18	403701	Terminal, Push-On 13
121244	Clamp, 1/4 ID Cable 8	337826	Screw, 1/2" Pan Hd 18	403785	Blower 9
121245	Clamp, 5/16 ID Cable 8,12	341449	Bumper, Rubber 8	403800	Button 8
124612	Screw, 8-32 x 3/8 Hex 20	341647	Terminal, Receptacle Type 15,18	403801	Button 8
125015	Washer, Flat 7	341648	Terminal, Receptacle Type 14	403830	Cable Assembly 14
125130	Screw, 6-32 x 1/2 Fil 7	341649	Connector, 15Pt Plug 14	403835	Switch 15
125228	Nut, 10-32 Square 20, 21			403844	Spring, Compression 8
125229	Nut, 6-32 Hex 19			403845	Bracket 14
128360	Ring, Retaining 9			403846	Cover 14
151383	Tool, Keylever Remover 10			403847	Spacer 8
151631	Screw, 6-40 x 5/16 Hex 14,17,18			403848	Spring, Actuator 8
151658	Screw, 6-40 x 5/16 Fil 7			403849	Lever, Actuating 8
				403850	Bracket 8
				405038	Connector, 6 Pt Plug 15

SECTION 582-312-700

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
405045	Terminal, Receptacle Type 15	452605	Shelf, Paper 11	452681	Pad, Top Door 16
405046	Terminal, Plug Type 15	452606	Guide, Paper 7	452682	Pad, Lower Door 16
406216	Post 9	452607	Chute, Paper 11	452683	Pad, Left 16
406219	Latch 9	452608	Window 11	452684	Pad, Right 16
406220	Bracket, Connector 9,14	452609	Bracket, Hinge 10,11	452685	Pad, Gasket 16
406221	Channel, Right 9	452610	Switch Assembly 6,8,13	452686	Pad, Right 16
406222	Channel, Left 9	452611	Housing w/Studs 13	452687	Pad, Side 16
407052	Plate 11	452612	Insulator 13	452688	Pad, Bottom 16
407053	Plate 17	452613	Plate, Top 13	452689	Pad, Rear 16
407075	Input Assembly Signal 6, 8,14,19	452618	Duct, Blower 9	452690	Latch, Slide 11
407088	Switch 13	452619	Bracket 9	452691	Clip 11
407093	Cord Assembly 13	452620	Cable Assembly 6,8,15	452692	Strap, Braided Ground 7, 11,12
407141	Post 9	452621	Bracket, Switch 15	452693	Strap, 26" Lg Ground 11
410056	Card, Circuit 14	452622	Bracket 8	452694	Strap, 48" Lg Ground 12
410086	Card, Circuit 19	452624	Cable Assembly 6,15	452695	Gasket, Window 7
410626	Card, Circuit 13	452625	Seal, Door 16	452696	Arm, Support 9
430177	Button Actuator 20	452627	Clamp, Hinge 7	452697	Latch 9
430732	Switch 9	452628	Clamp, Window 7	452698	Bracket, Latch 9
451150	Trim, 42-3/16" Lg	452629	Nut, Speed 7	452699	Pad, Right Side Cover 16
	Decorative 22	452633	Window, Top 7	452716	Pad 16
451151	Trim, 33-3/16" Lg	452637	Pin, Lower Hinge 11	452719	Screw, 10-32 Shoulder 9
	Decorative 22	452639	Bracket, Latch 10	452742	Bracket, Hinge 10
451152	Trim, 17-3/16" Lg	452640	Trim, 27-13/64" Cabinet 7	452748	Clamp 7
	Decorative 22	452641	Trim, 27-13/64" Cabinet 7	452749	Clamp 7
451153	Trim, 27-13/32" Lg	452651	Gasket, Seal 11	452758	Pad, Left 16
	Decorative 22	452652	Strip w/Screws 11	452759	Pad, Right 16
451154	Trim, 27-5/32 Lg	452653	Strip, Seal 7	453236	Scale 20
	Decorative 22	452654	Label, Warning 8	453264	Mount, Vibration 20
451371	Panel, Front 17	452658	Bezel, Switch 8	453348	Hinge 7
451372	Grommet 10,17	452659	Bezel 8	454013	Nameplate 18,22
451373	Grommet 17	452660	Basket, Paper Storing 12	454109	Cover 20,21
451374	Grommet 17	452661	Rail 12	454110	Base 20,21
451376	Leg 10,17	452662	Spring 12	454115	Hinge 20
451379	Fastener 17	452663	Deflector Paper 7	454116	Bracket, Right 20
451383	Leg, Left 10	452664	Seal, Left Door 16	454117	Bracket, Left 20
451384	Leg, Right 10	452669	Clamp 7	454119	Arm, Stop 21
451386	Leg, Left 10	452670	Label, Warning 17	454120	Cabinet 6,20,21
451387	Leg, Right 10	452671	Pad, Front Cover 16	454123	Clamp, Right 20
451462	Screw, 1/4-20 Spl 10,11	452672	Pad, Side Cover 16	454124	Clamp, Left 20
452595	Keeper, Cable 17	452673	Pad, Left Seal 16	454133	Cover 21
462600	Cabinet 7	452674	Pad, Right Seal 16	454134	Bumper 21
452601	Cover 7,9	452675	Pad, Top Cover 16	454140	Label 20
452602	Door 11	452676	Pad, Lid Seal 16	454155	Label 20
452603	Panel, Back 10,12	452677	Pad, Cabinet 16	454156	Label 20
452604	Shelf Bottom 10,12	452678	Pad, Shelf 16	454634	Label 20,22
		452679	Pad, Left Cabinet 16		
		452680	Pad, Rear Base 16		