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NAVELEX 0967-426-3010
TO 31W4-2FG-1351-5

BULLETIN 1186B

HIGH SPEED TAPE PUNCH SET (DRPE)

PARTS

(A MODEL)

This publication replaces all previously dated Army and Navy manuals, and the Air Force TO 31W4-2FG-1351 Vol 5 of 6.



TELETYPE[®]
CORPORATION

8555 TOWHY AVENUE, SKOKIE, ILLINOIS

MARCH 1972

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592-808-800TC	High Speed Tape Receiver Cabinet (AC) and Electrical Components - Type 5	*4	April 1971
592-812-800TC	"TELESPEED" Tape Receiver Cabinet (AC) and Modules - Type 4	1	June 1967
592-830-800TC	High Speed Tape Receiver Cabinet (AC) and Modules	1	June 1967

Note:

* Indicates revised section

HIGH SPEED TAPE PUNCH (DRPE)

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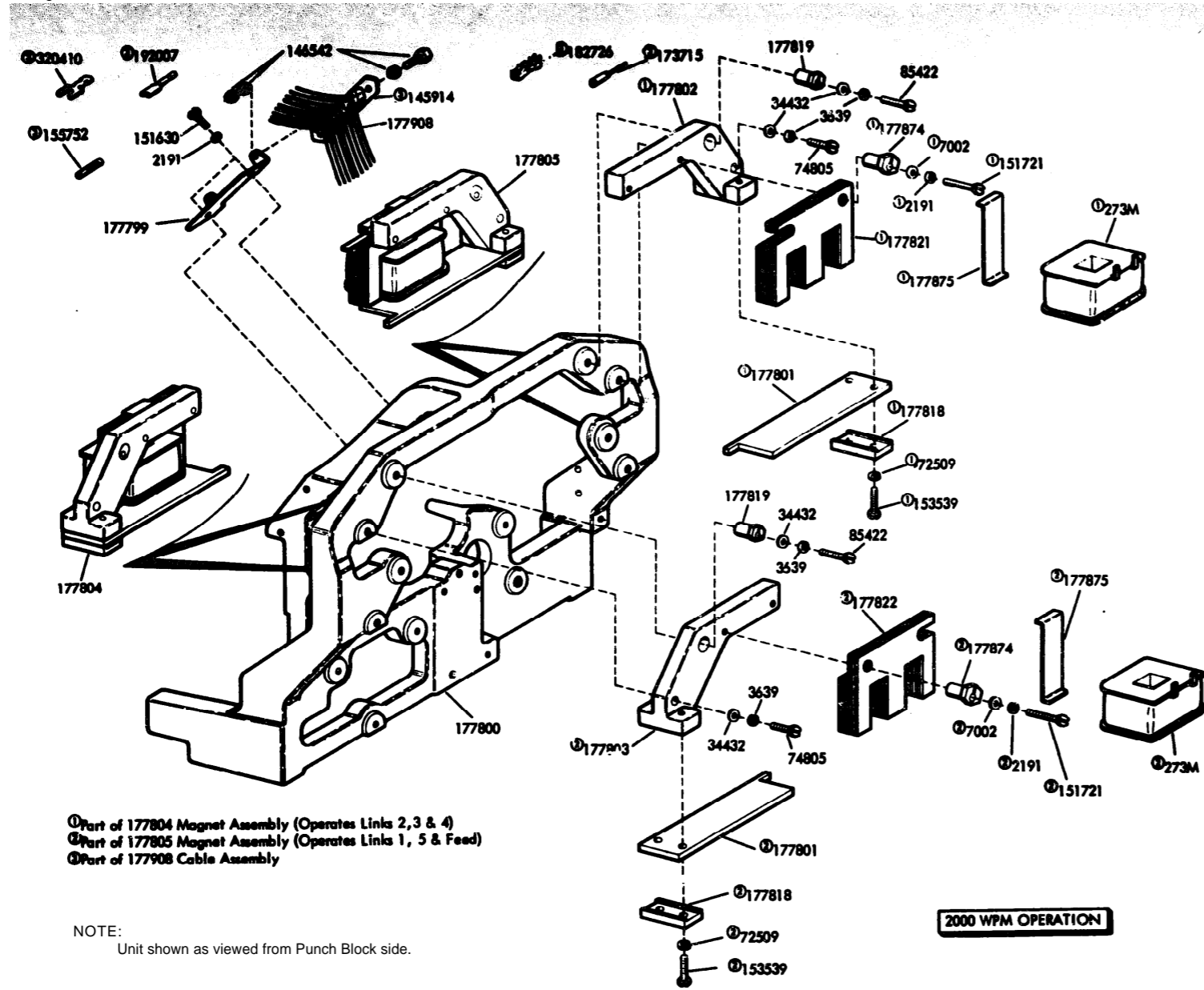


FIGURE 1. MAIN FRAME AND MAGNET ASSEMBLIES WITHOUT SILENCING BUMPERS (5 Level)

FIGURE 2. MAIN FRAME AND MAGNET ASSEMBLIES WITH SILENCING BUMPERS (5 and 8 Level)

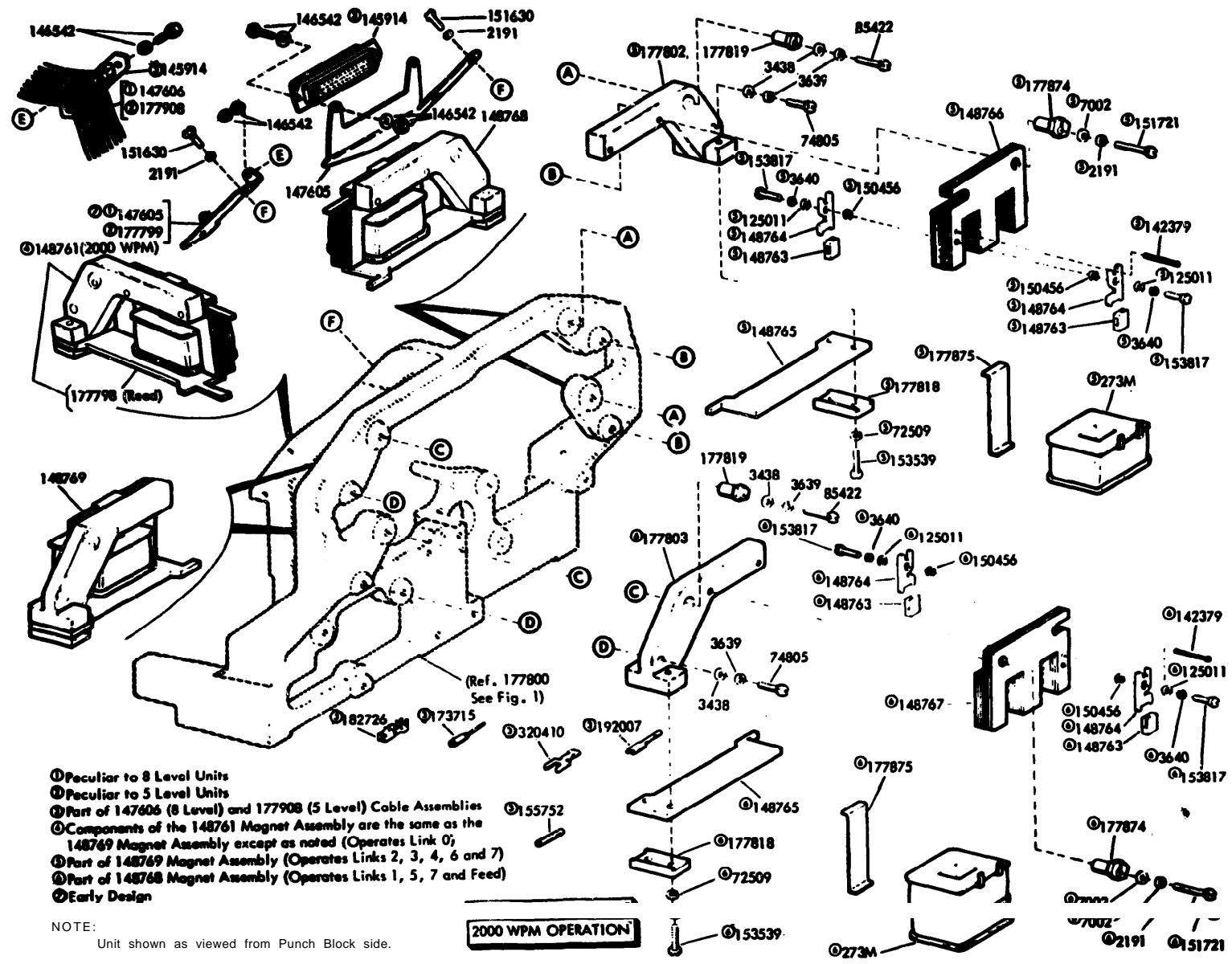


FIGURE 2. MAIN FRAME AND MAGNET ASSEMBLIES WITHOUT SILENCING BUMPERS (3 and 8 Level)

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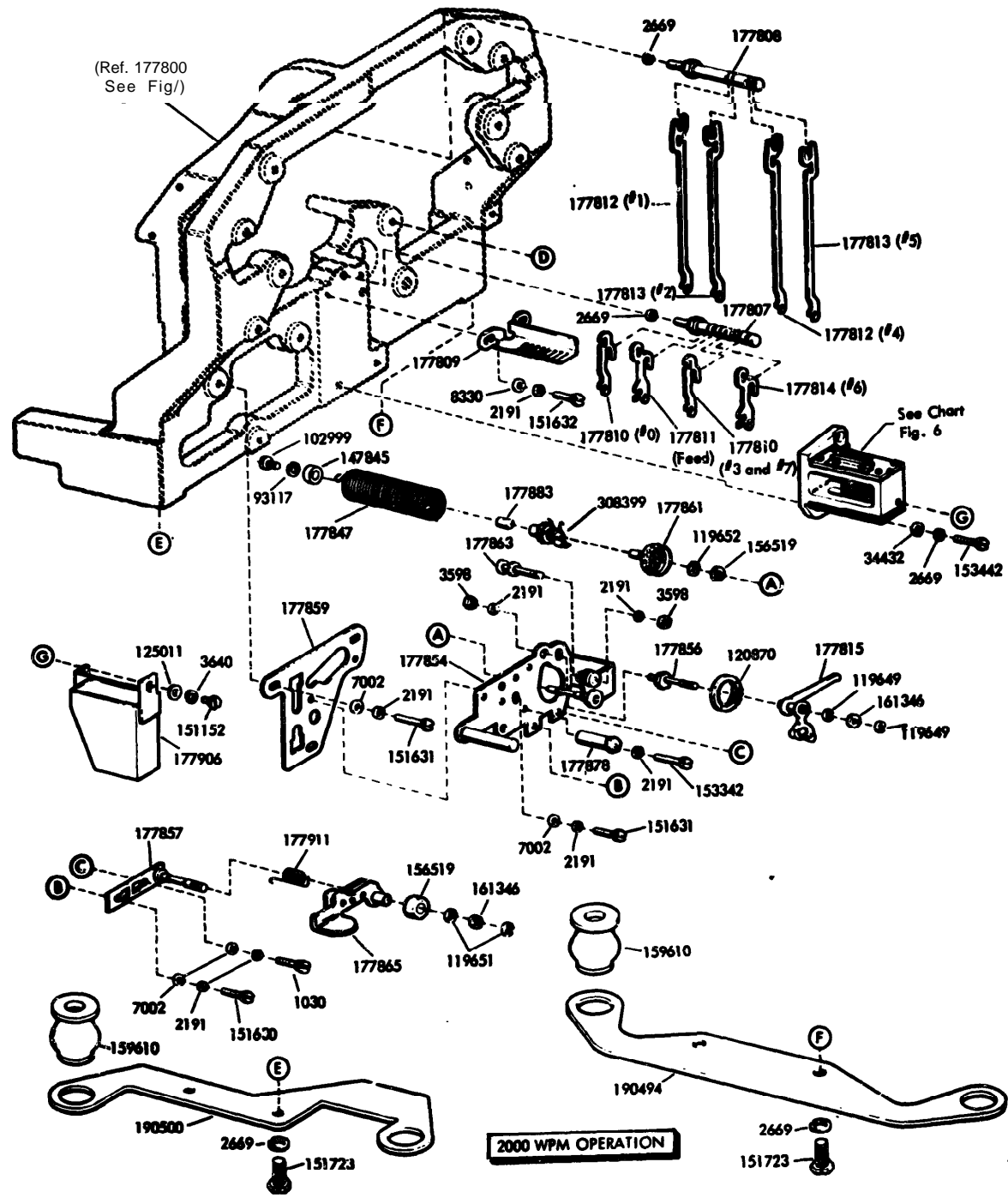
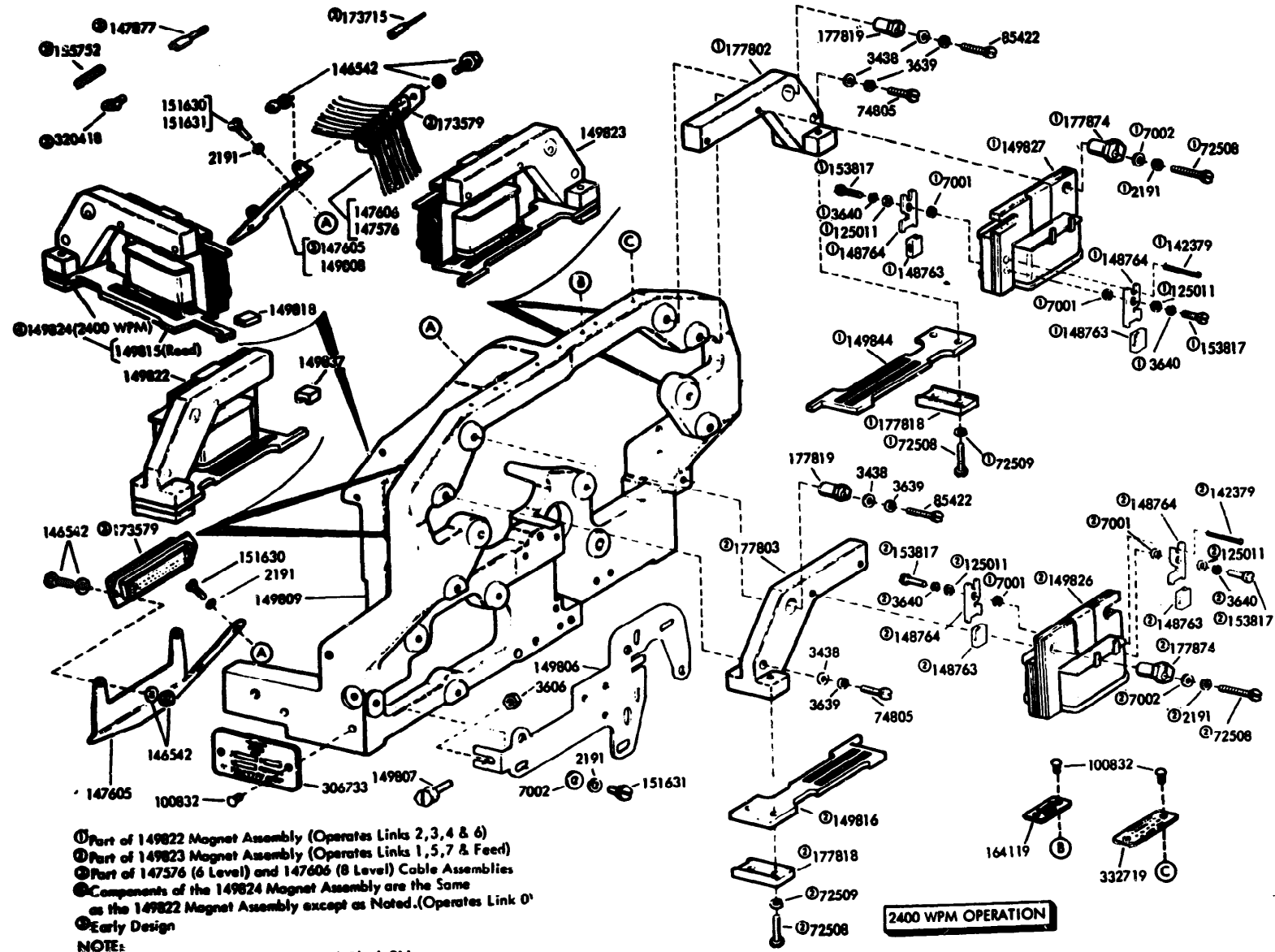


FIGURE 3. PUNCH BLOCK AND FEED MECHANISM (5 and 8 Level)

FIGURE 4. MAIN FRAME AND MAGNET ASSEMBLIES WITH SILENCING BUMPERS (6 AND 8 Level)



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FIGURE 4. MAIN FRAME AND MAGNET ASSEMBLIES WITHOUT SILENCING BUMPERS (6 AND 8 Level)

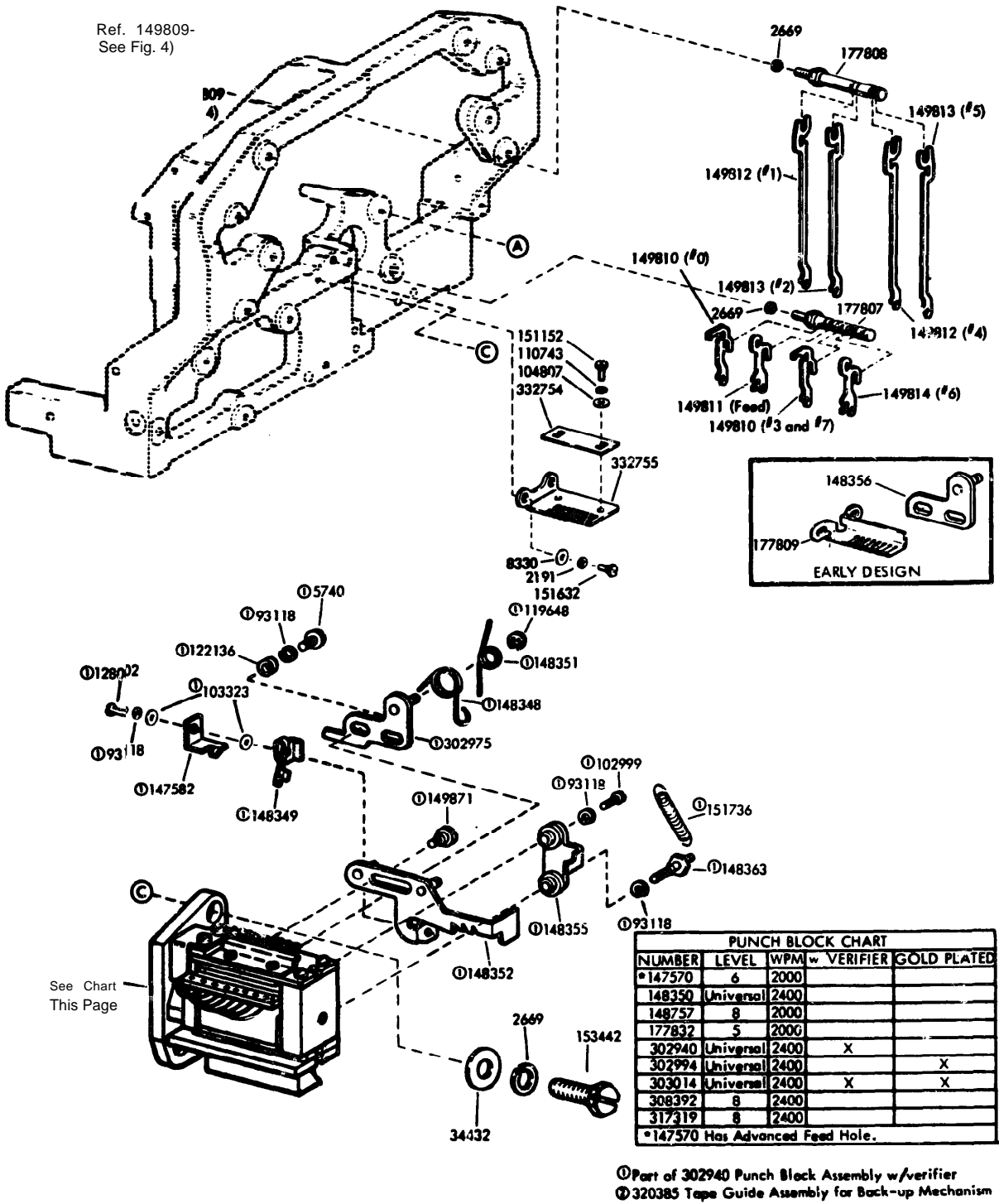


FIGURE 6. PUNCH BLOCK WITH VERIFIER AND TAPE GUIDES FOR BACK-UP MECHANISM

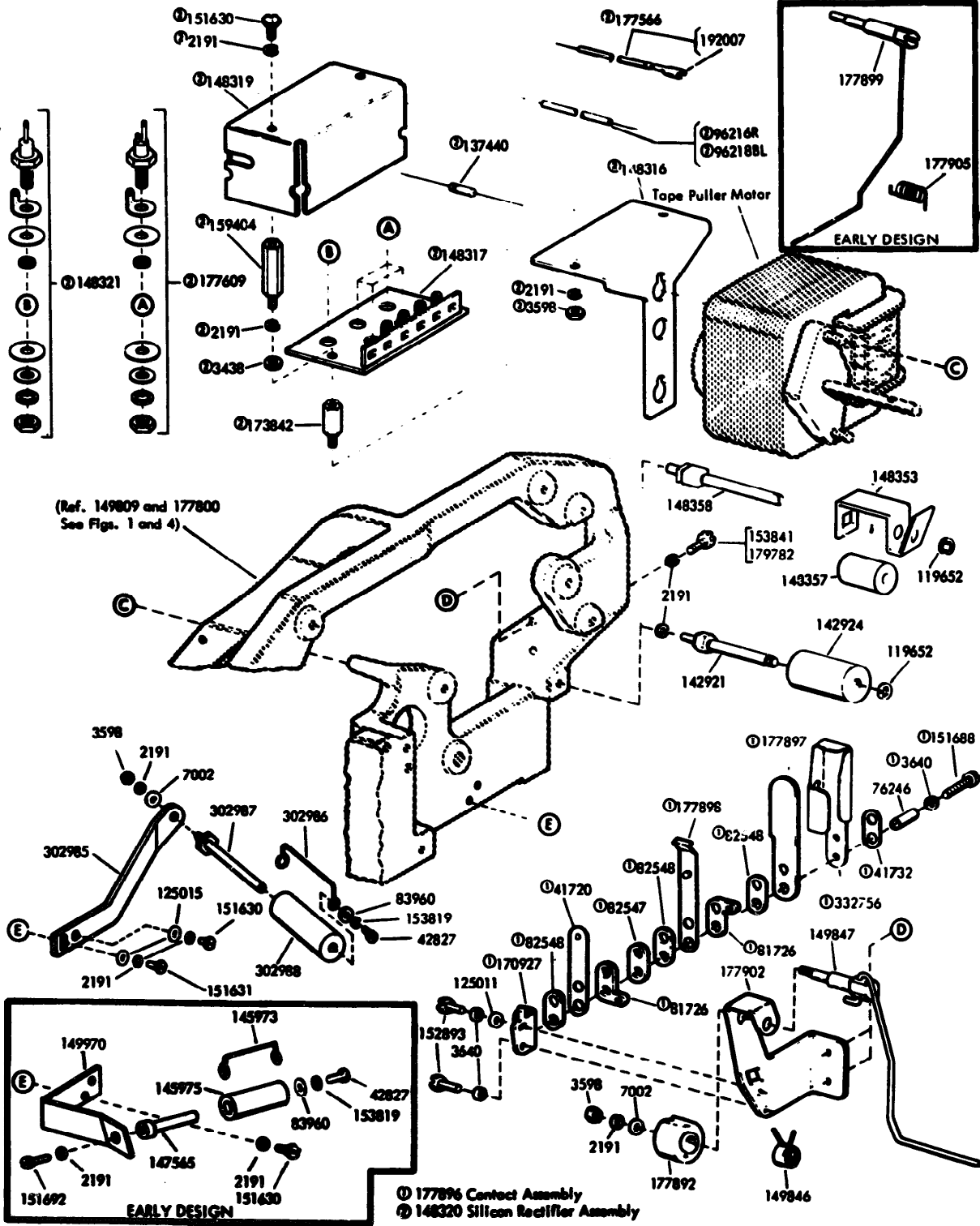


FIGURE 8. ELECTRICAL COMPONENTS

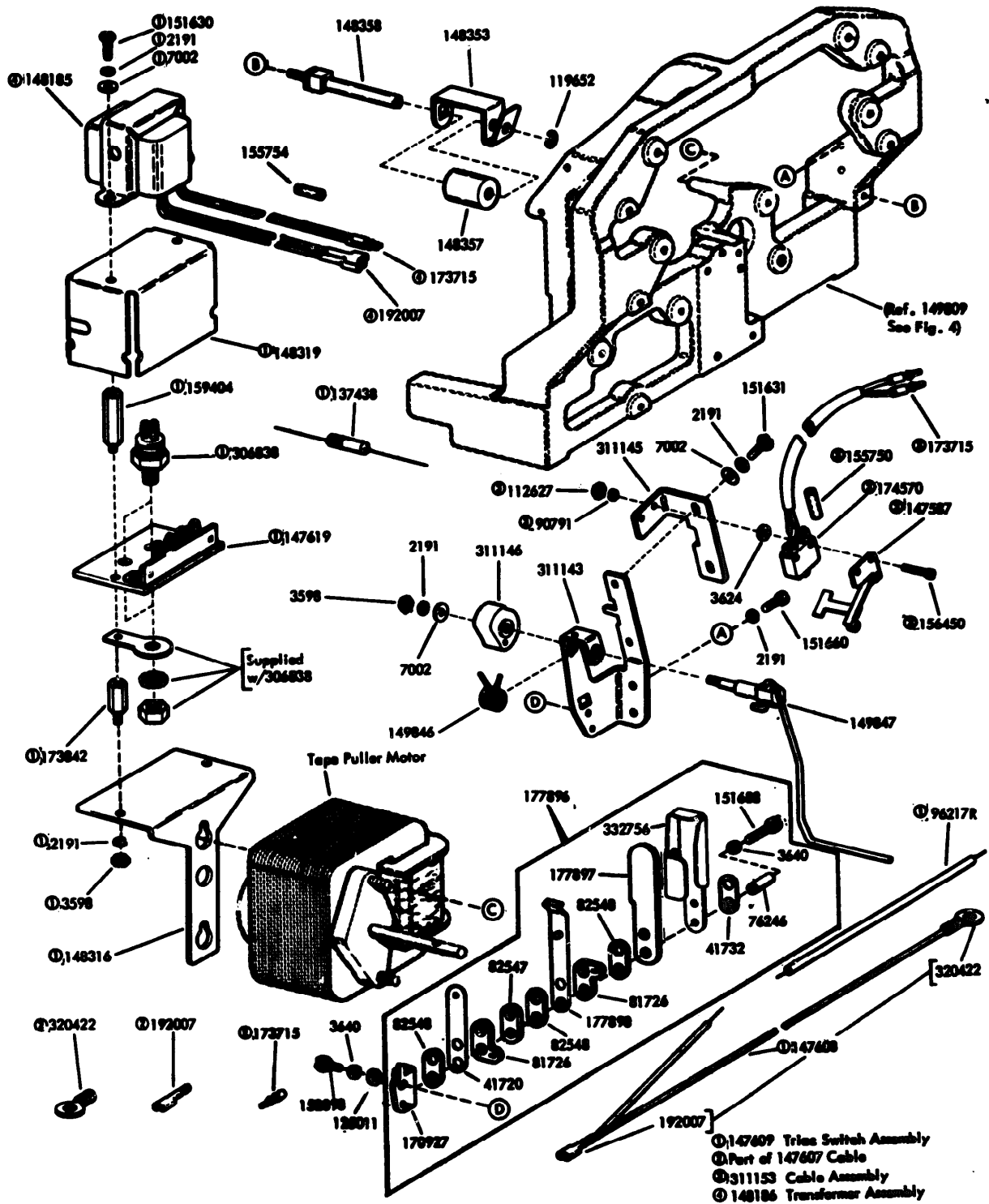


FIGURE 9. ELECTRICAL COMPONENTS

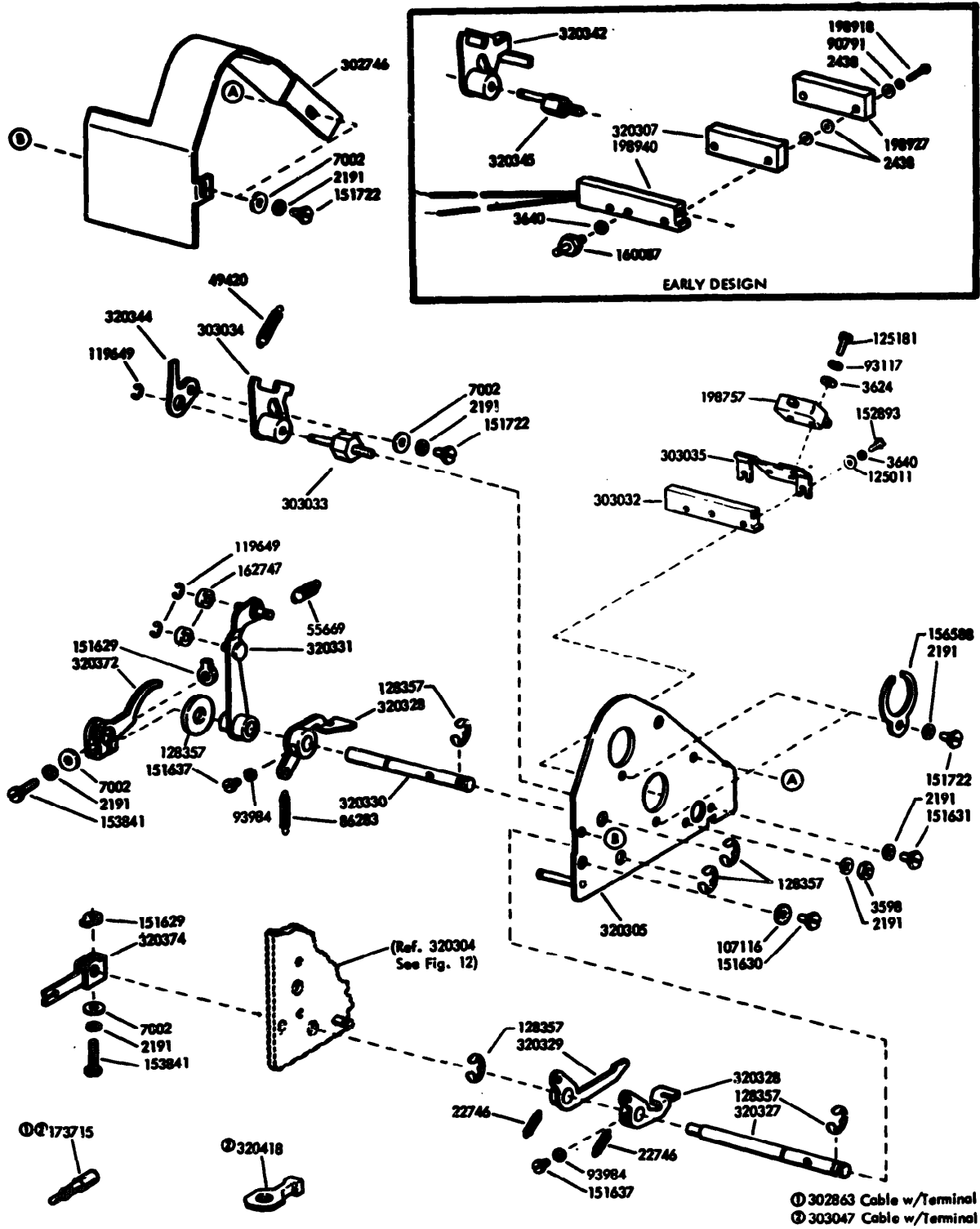


FIGURE 10. 320377 FRONT PLATE ASSEMBLY FOR BACK-UP MECHANISM

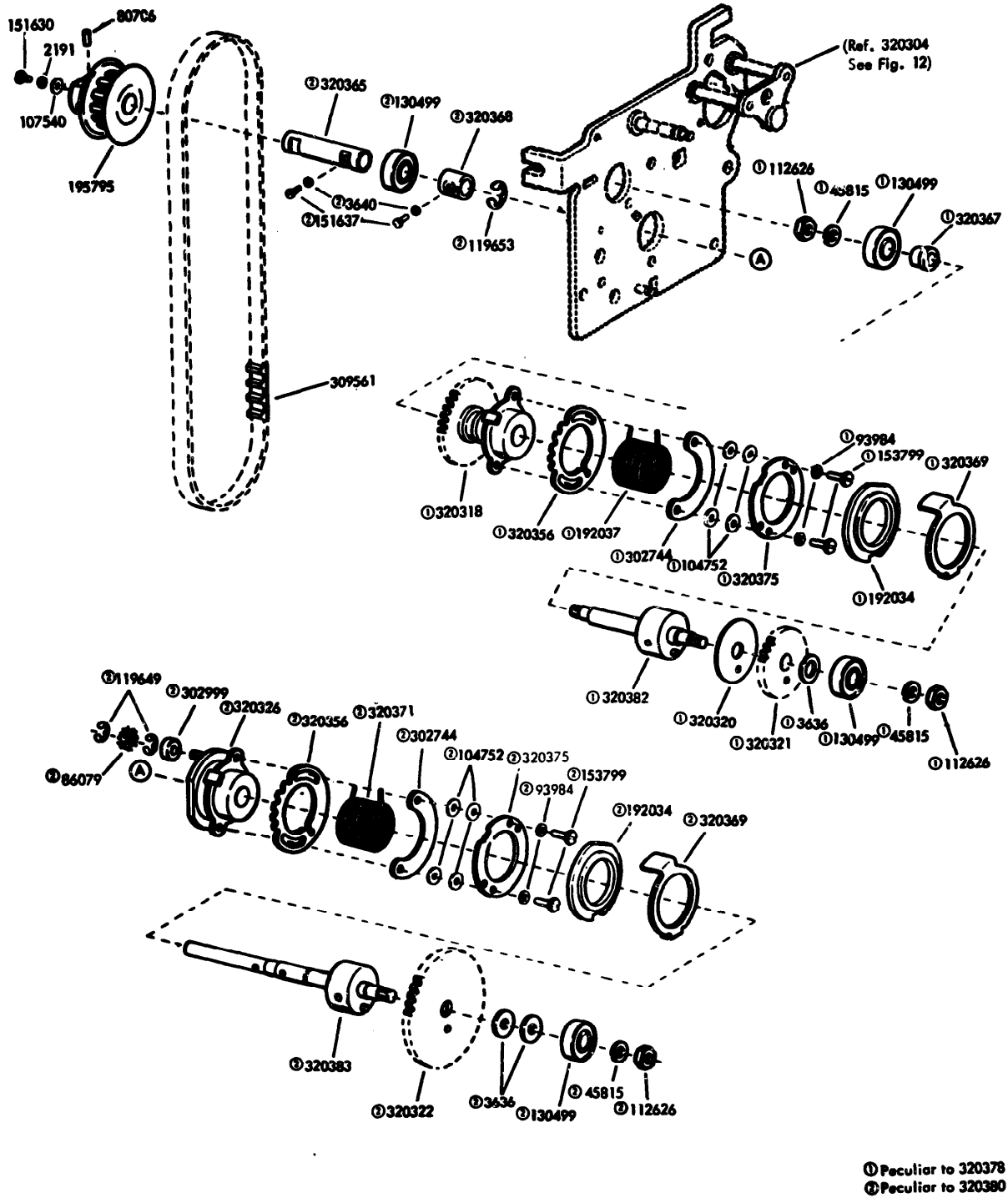


FIGURE 11. 320378 (INTERMEDIATE) AND 320380 (DRIVE) SHAFT ASSEMBLIES

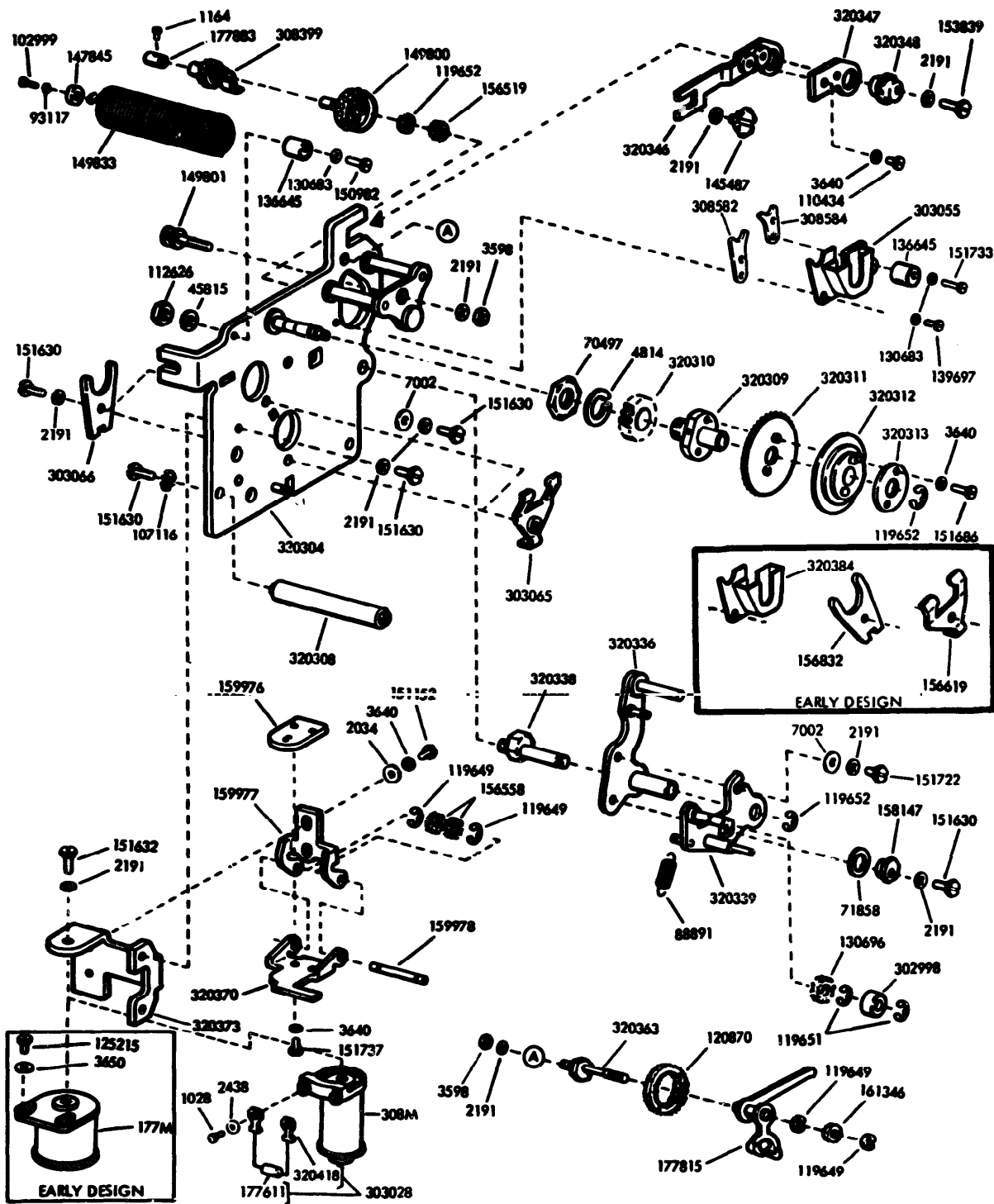


FIGURE 12. 320376 REAR PLATE ASSEMBLY FOR BACK-UP MECHANISM

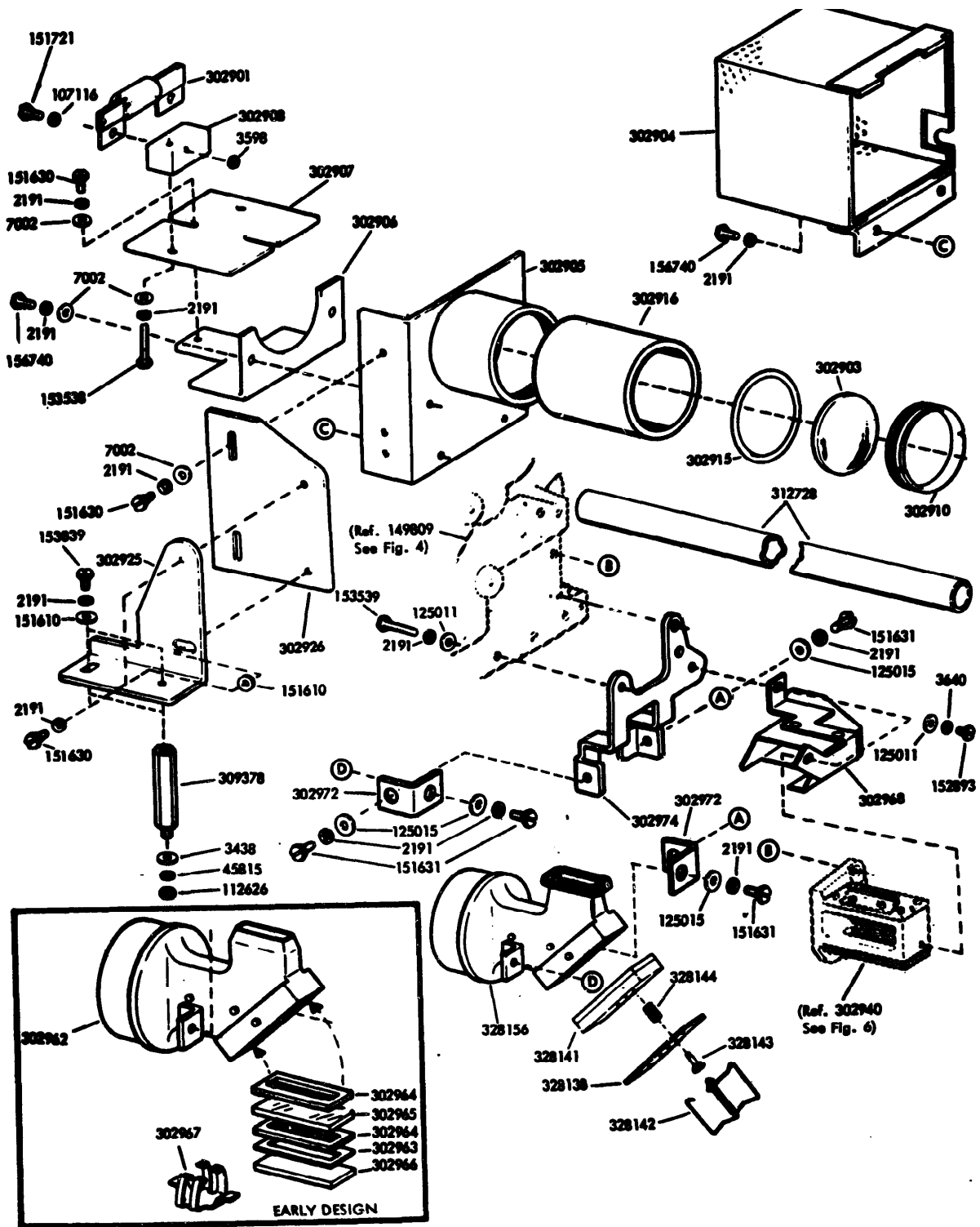
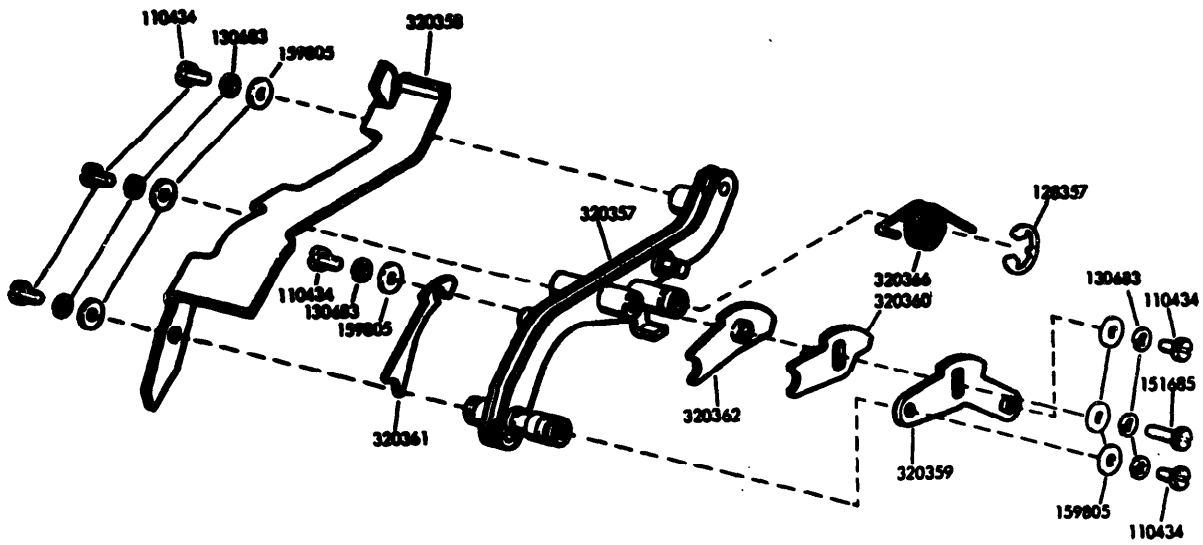


FIGURE 13. LIGHT SOURCE ASSEMBLY



EARLY DESIGN

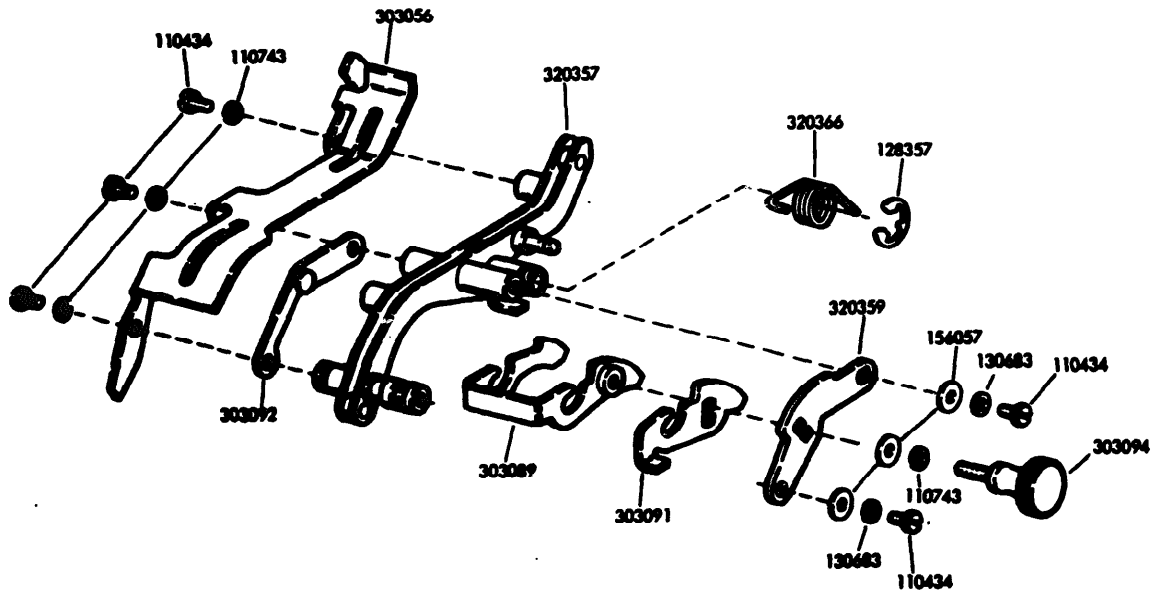


FIGURE 14. 320385 TAPE GUIDE ASSEMBLY FOR BACK-UP MECHANISM

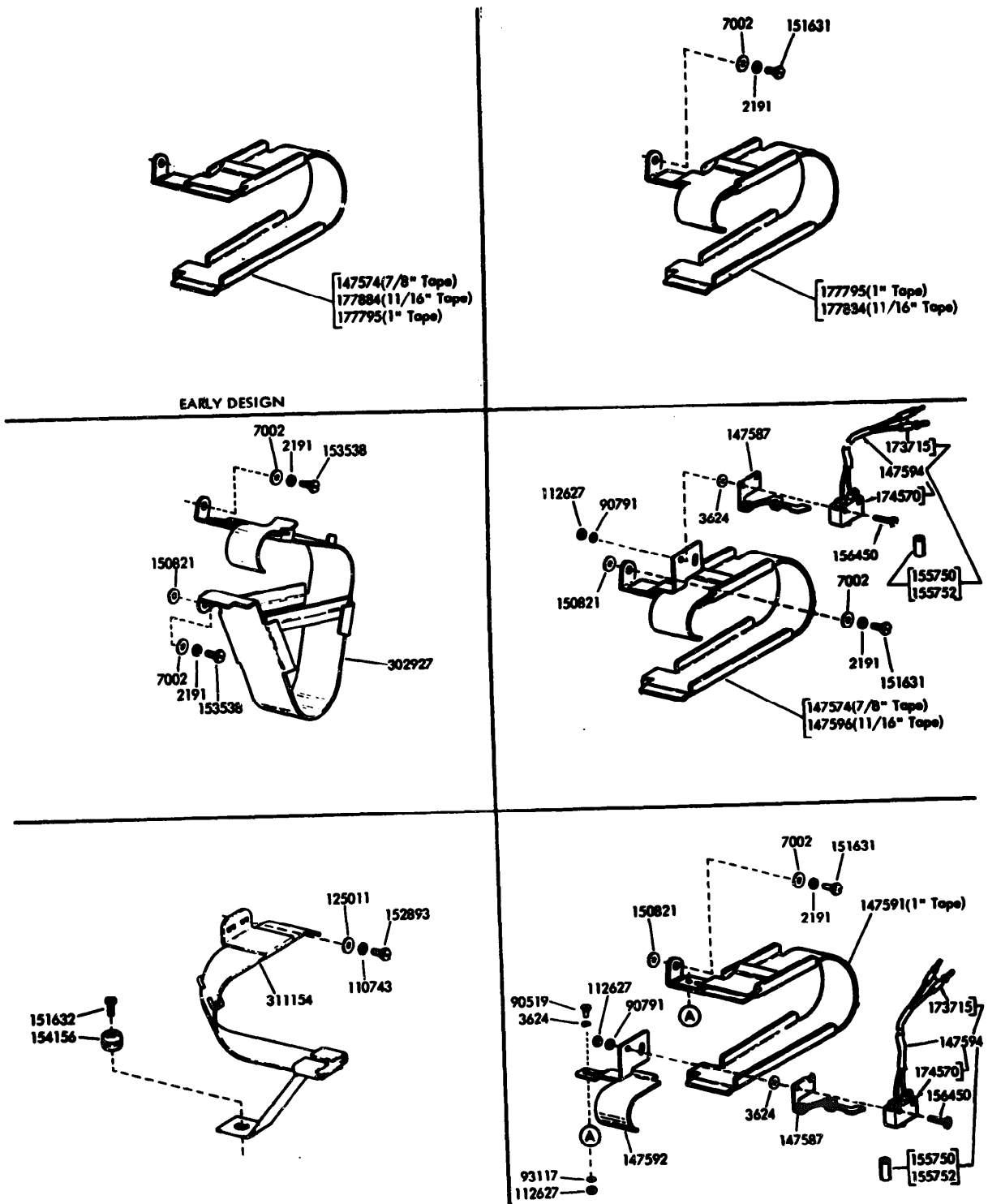


FIGURE 15. TAPE GUIDES

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
177M	Coil, Magnet 13	962188L	Jumper, 7" Blue 9	147615	Motor, 115V AC Shaded Pole 2710 RPM 8
273M	Coil, Magnet 2,3	100832	Screw, #0 x 3/16 Drive 5	147616	Motor, 115V AC Shaded Pole 2710 RPM 8
308M	Coil, Magnet 13	102999	Screw, 2-56 x 5/32 Fil 4, 6, 7 13	147618	Plate, Adjusting 8
1028	Screw, 4-40x1/4 Fil 13	103323	Washer, Flat 6, 7	147619	Plate w/Terminal Strip 10
1030	Screw, 6-40 Shoulder 4,6	104752	Washer, Flat 12	147845	Bushing 4, 6, 13
1164	Screw, 2-56x3/16 Fil 13	104807	Washer, Flat 6, 7	147877	Terminal, Receptacle Type 5
1178	Screw, 2-56x7/16 Fil 8	107116	Washer, Lock 11, 13, 14	147879	Retainer w/Plate 6
2034	Washer, Flat 13	107540	Spacer, .077" Thk 12	148185	Transformer 10
2191	Washer, Lock 2 to 14, 16	108713	Washer, Lock 8	148186	Transformer Assembly 10
2438	Washer, Flat 11, 13	110434	Screw, 4-40 x 3/16 Fil 13, 15	148316	Bracket 9, 10
2669	Washer, Lock 4, 6, 7, 8	110743	Washer, Lock 6, 7, 15, 16	148317	Plate, Mounting 9
3438	Washer, Flat, 3, 5, 8, 9, 13, 14	112626	Nut, 10-32 Hex 8, 12, 13, 14	148319	Cover 9, 10
3598	Nut, 6-40 Hex 4, 6, 8, 9, 10, 11, 13,14	112627	Nut, 2-56 Hex 10, 16	148320	Rectifier Assembly, Silicone 9
3606	Nut, 6-40Hex 5	113178	Screw, 4-40 x 1 Fil 8	148321	Rectifier 9
3624	Washer, Flat 10, 11, 16	119648	Ring, Retaining 6, 7	148348	Spring, Torsion 6, 7
3636	Washer, Flat 12	119649	Ring, Retaining 4, 6, 8, 11, 12, 13	148349	Spring, Bias 6, 7
3639	Washer, Lock 2, 3, 5	119651	Ring, Retaining 4, 6, 8, 13	148350	Block Assembly, Punch 6, 7
3640	Washer, Lock 3 to 6, 8 to 14	119652	Ring, Retaining 4, 6, 7, 8, 9, 10, 13	148351	Spring, Torsion 6, 7
3650	Washer, Flat 13	119653	Ring, Retaining 12	148352	Lever 6, 7
4814	Washer, Lock 13	120870	Wick, Felt 4, 6, 13	148353	Guide, Tape 9, 10
5740	Screw, 2-56 x 1/4 Fil 6, 7	121250	Clamp, 3/4 ID Cable 8	148355	Bracket w/Hub 6, 7
7001	Washer, Flat 5	122136	Spacer, .040" Thk 6, 7	148356	Bracket w/Post 6, 7
7002	Washer, Flat 2 to 6, 8 to 11, 13, 14, 16	124177	Washer, Lock 6	148357	Roller 9, 10
8330	Washer, Flat 4, 6, 7	125011	Washer, Flat 3 to 6, 8 to 11, 14, 16	148358	Post 9, 10
22746	Spring 11	125015	Washer, Flat 9, 14	148363	Post, Spring 6, 7
34432	Washer, Flat 2, 4, 6, 7, 8	125181	Screw, 2-56 x 3/8 Fil 11	148757	Block Assembly, Punch 7
41720	Spring, Contact 9, 10	125215	Screw, 4-40 x 3/16 Hex 13	148761	Magnet Assembly, "O" 3
41732	Plate, Clamp 9, 10	125218	Nut, 1/4-32 Hex 8	148763	Bumper, Rubber 3, 5
42827	Straw, 3-48 x 1/4 Fil 9	128002	Screw, 2-56 x 3/16 Fil 6, 7	148764	Plate, Bumper 3, 5
45815	Washer, Lock 12, 13, 14	128357	Ring, Retaining 11, 15	148765	Reed 3
49420	Spring 14	130499	Bearing, Ball 12	148766	Core, Right 3
55669	Spring 11	130683	Washer, Lock 13, 15	148767	Core, Left 3
70466	Spring 8	130696	Washer, Felt 13	148768	Magnet Assembly, Left 3
70497	Nut, 5/16-32 Hex 13	136645	Bushing, Eccentric 13	148769	Magnet Assembly, Right 3
71073	Washer, Flat 8	137438	Resistor, 100 Ohm 10	149800	Wheel, Feed 6, 13
71858	Washer, Flat 13	137440	Resistor, 1,000 Ohm 9	149801	Screw, 6-40 Adjusting 6, 13
72508	Screw, 6-40 x 3/4 Hex 5	139697	Screw, 4-40 x .9/32 Fil 13	149802	Roller, Drive 8
72509	Washer, Lock 2, 3, 5	142379	Pin, Roll 3, 5	149806	Plate, Rear 5, 6
73844	Washer, Flat 6	142921	Stud 9	149807	Post, Adjusting 5
74805	Screw, 10-32 x 3/4 Hex 2, 3, 5	142924	Roller 9	149808	Bracket, Connector 5
76099	Washer, Flat 6	143097	Ring, Retaining 6	149809	Frame 5 to 10, 14
76246	Bushing, Insulating 9, 10	145487	Screw, 6-40 Shoulder 13	149810	Link, #0, #3, and #7 6, 7
80706	Screw, 6-40 Set 12	145914	Connector, 25 Pt Plug Type 2, 3	149811	Link, Feed Pin 6, 7
81726	Terminal 9, 10	145973	Guide, Tape 9	149812	Link, #1 and #4 6, 7
82392	Shim, .004" Thk 6	145975	Roller, Tape Guide 9	149813	Link, #2 and #5 6, 7
82547	Insulator, .094" Thk 9, 10	146542	Post Assembly 2, 3, 5	149814	Link, #6 6, 7
82548	Insulator, .062" Thk 9, 10	147565	Post 9	149815	Reed, "O" 5
85422	Screw, 10-32 x 15/16 Hex 2, 3, 5	147570	Block Assembly, Punch 7	149816	Reed, Left 5
86079	Washer, Felt 12	147574	Guide, Tape 16	149818	Damper, Link 5
86283	Spring 11	147576	Cable Assembly 5	149820	Plate, Feed Wheel 6
88891	Spring 13	147582	Stop, Bias Spring 6, 7	149822	Magnet Assembly, Right 5
90519	Screw, 2-56 x 3/16 Hex 16	147587	Actuator 10, 16	149823	Magnet Assembly, Left 5
90573	Spring 8	147591	Guide, Tape 16	149824	Magnet Assembly, "O" 5
'90791	Washer, Lock 10, 11, 16	147592	Guide, Tape 16	149826	Core, Left Magnet 5
91096	Spring 8	147594	Cable Assembly 16	149827	Core, Right Magnet 5
91230	Terminal 8	147596	Guide, Tape 16	149828	Post, Pawl 8
91577	Spring 8	147605	Bracket, Connector 3, 5	149833	Spring, Drive 6, 13
92260	Washer, Lock 8	147606	Cable Assembly 3, 5	149834	Pawl, Brake 8
93117	Washer, Lock 4, 6, 11, 13, 16	147607	Cable w/Terminals 10	149837	Damper, Link 5
.93118	Washer, Lock 6, 7, 8	147608	Jumper, 7" Blue 10	149838	Roller 6
93984	Washer, Lock 11, 12	147609	Switch Assembly, Triac 10	149839	Stud, Roller 6
94712	Washer, Flat 6	147611	Lever w/Hub 8	149841	Guide, Tape 6
96216R	Jumper, 6" Red 9	147612	Pinion, 20T 8	149844	Reed, Right 5
96217R	Jumper, 6-1/2" Red 10	147613	Gear, 60T 8	149846	Spring, Torsion 9, 10
		147614	Pinion, 20T 8	149847	Arm, Tape String 9, 18

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149970	Bracket, Tape Guide 9	159805	Washer, Flat 15	177883	Nut, Spring Anchor 4, 6, 13
150456	Spacer, .050" Thk 3	159976	Armature 13	177884	Guide, 11/16" Tape 16
150821	Spacer, .156" Thk 16	159977	Hinge 13	177886	Bail w/Stud 8
150982	Screw, 4-40 x 7/16 Fil 13	159978	Shaft 13	177892	Cam 9
151152	Screw, 4-40 x 3/16 Hex 4, 6, 7, 8, 13	160087	Post, Spring 11	177894	Nut, 10-32 Spl 8
151329	Switch, Sensitive 8	161346	Washer, Felt 4, 6, 13	177896	Contact Assembly 9, 10
151610	Washer, Flat 6, 14	162747	Roller 11	177897	Guard, Contact 9, 10
151629	Nut, 6-40 Lug 11	164119	Plate, Identification 5	177898	Spring, Contact 9, 10
151630	Screw, 6-40 x 1/4 Hex 2 to 6, 8 to 14	170927	Bracket, Contact 9, 10	177899	Am, Tape Sensing 9
151631	Screw, 6-40 x 5/16 Hex 4, 5, 6, 9, 10, 11, 14, 16	173579	Connector, 50 Pt Plug Type 5	177901	Shaft 8
151632	Screw, 6-40 x 3/8 Hex 4, 6, 7, 13, 16	173715	Terminal, Plug Type 2, 3, 5, 10, 11, 16	177902	Bracket, Contact 9
151637	Screw, 4-40 x 1/4 Fil 11, 12	173842	Stud 9, 10	177904	Bushing 8
151660	Screw, 6-40 x 7/8 Fil 10	174570	Switch 10, 16	177905	Spring, Torsion 9
151661	Screw, 6-40 x 1 Fil 8	177566	Jumper, 6" Block 9	177906	Chute, Chad 4, 6
151685	Screw, 4-40 x 5/16 Fil 8, 15	177609	Rectifier 9	177908	Cable Assembly 2, 3
151686	Screw, 4-40 x 3/8 Fil 8, 13	177611	Rectifier 13	177911	Spring, Torsion 4, 6
151688	Screw, 4-40 x 5/8 Fil 9, 10	177795	Guide, 1" Tape 16	179782	Screw, 6-40 7/8 Hex 9
151692	Screw, 6-40 x 3/16 Fil 9	177798	Reed, #0 3	182726	Terminal, Receptacle Type 2, 3
151721	Screw, 6-40 x 3/4 Hex 2, 3, 14	177799	Bracket, Connector 2, 3	190494	Plate, Right Base 4
151722	Screw, 6-40 x 3/16 Hex 11, 13	177800	Frame 2, 3, 4, 8, 9	190500	Plate, Left Base 4
151723	Screw, 10-32 x 3/8 Hex 4	177801	Reed 2	192007	Terminal, Tab Type 2, 3, 8, 9, 10
151733	Screw, 4-40 x 9/16 Fil 13	177802	Bracket, Right 2, 3, 5	192034	Bearing, Clutch 12
151736	Spring 6, 7	177803	Bracket, Left 2, 3, 5	192037	Spring, Right Clutch 12
151737	Screw, 4-40 x 11/64 Hex 13	177804	Magnet Assembly, Right 2	195187	Screw, 4-40 x 1-1/2 Hex 6
152893	Screw, 4-40 x 1/4 Hex 6, 8 to 11, 14, 16	177805	Magnet Assembly, Left 2	195795	Pulley, 16T 12
153342	Screw, 6-40 x 15/16 Hex 4, 6	177807	Post, Lower Guide 4, 6, 7	198757	Switch 11
153442	Screw, 10-32 x 1/2 Hex 4, 6, 7, 8	177808	Post, Upper Guide 4, 6, 7	198918	Screw 2-56x5 8 Fil 11
153538	Screw, 6-40 x 7/16 Hex 14, 16	177809	Bracket, Guide 4, 6, 7	198927	Magnet 11
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153841	Screw, 6-40 x 9/16 Hex 9, 11	177815	Pawl, Escapement 4, 6, 13	302863	Cable w/Terminal 11
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155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 8	177832	Block Assembly, Punch 7	302906	Bracket 14
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156057	Washer, Flat 6, 15	177839	Post 8	302910	Ring, Lack 14
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156536	Screw, 4-40 x 1/8 Fil 6	177843	Screw, 1/4-32 Adjusting 8	302925	Bracket 14
156538	Washer, Felt 13	177844	Post, Spring 8	302926	Plate 14
156572	Washer, Felt 8	177845	Shaft, Drive 8	302927	Guide, Tape 16
156588	Ring, Retaining 11	177847	Spring, Drive 4	302940	Block Assembly w/Verifier, Punch 7, 14
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158588	Post 6	177854	Plate, Mounting 4	302966	Cover, Mirror 14
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311145	Bracket, Switch 10	320347	Plate, Clamping 13	328142	Clip, Spring 14
311146	Cam 10	320348	Bushing, Eccentric 13	328143	Screw, 2-56 x 3/8 Spl 14
311153	Cable Assembly 10	320356	Plate, Spring Anchor 12	328144	Spring, Compression 14
311154	Chute, Tape 16	320357	Guide, Lower 15	328156	Tube w/Mirror 14
312728	Tube, Chad 14	320358	Guide, Upper 15	332719	Plate, Identification 5
315502	Bushing 6	320359	Guide, Edge 15	332754	Plate, Guide 6, 7
315503	Plate 6	320360	Guide, Edge 15	332755	Bracket, Guide 6, 7
317319	Block Assembly, Punch 7	320361	Guide, Edge 15	332756	Cover, Contact 9, 10
320304	Plate, Rear 11, 12, 13	320362	Guide 15		

HIGH SPEED TAPE RECEIVER CABINET (AC) AND ELECTRICAL COMPONENTS
TYPE 5
PARTS

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Cabinet	2	14	148570 Frame Assembly	14
2	Cabinet (Continued)	3	15	199784 Receiving Station Identifier Assembly	15
3	Fan and Power Cord	4	16	199788 Modification Kit to Provide Unattended Operation of a Send/Receive Station	16
4	Front Panel	5	17	Tape Container	17
5	Inner Frame and Tape Winder	6	18	320297 Modification Kit to Add Highspeed Chad Disposal and Tape Puller (also see Figure 19)	18
6	Right and Left Channels	7	19	320297 Modification Kit to add Highspeed Chad Disposal and Tape Puller (Continued)	19
7	Chad Disposal	7	20	Punch Cover	20
3	Tape Puller Mechanism	8	21	308615** Cover Assembly	21
9	Punch Mounting Parts	9		Numerical Index	22
10	Tape Container	10			
11	148562 Electrical Service Panel Assembly	17			
12	148850** Power Supply (Part of 199540** Receiver Module See Figure 13)	12			
13	199540** Receiver Module (See Figure 12 for 148850** Power Supply 13)				

COLOR CODE CHART		
Suffix	Color	Finish
HB	Light Gray	Smooth Vinyl
HE	Covert Gray	Smooth Vinyl
The double asterisk ** denotes a painted part. Suffix to be applied following the part number.		

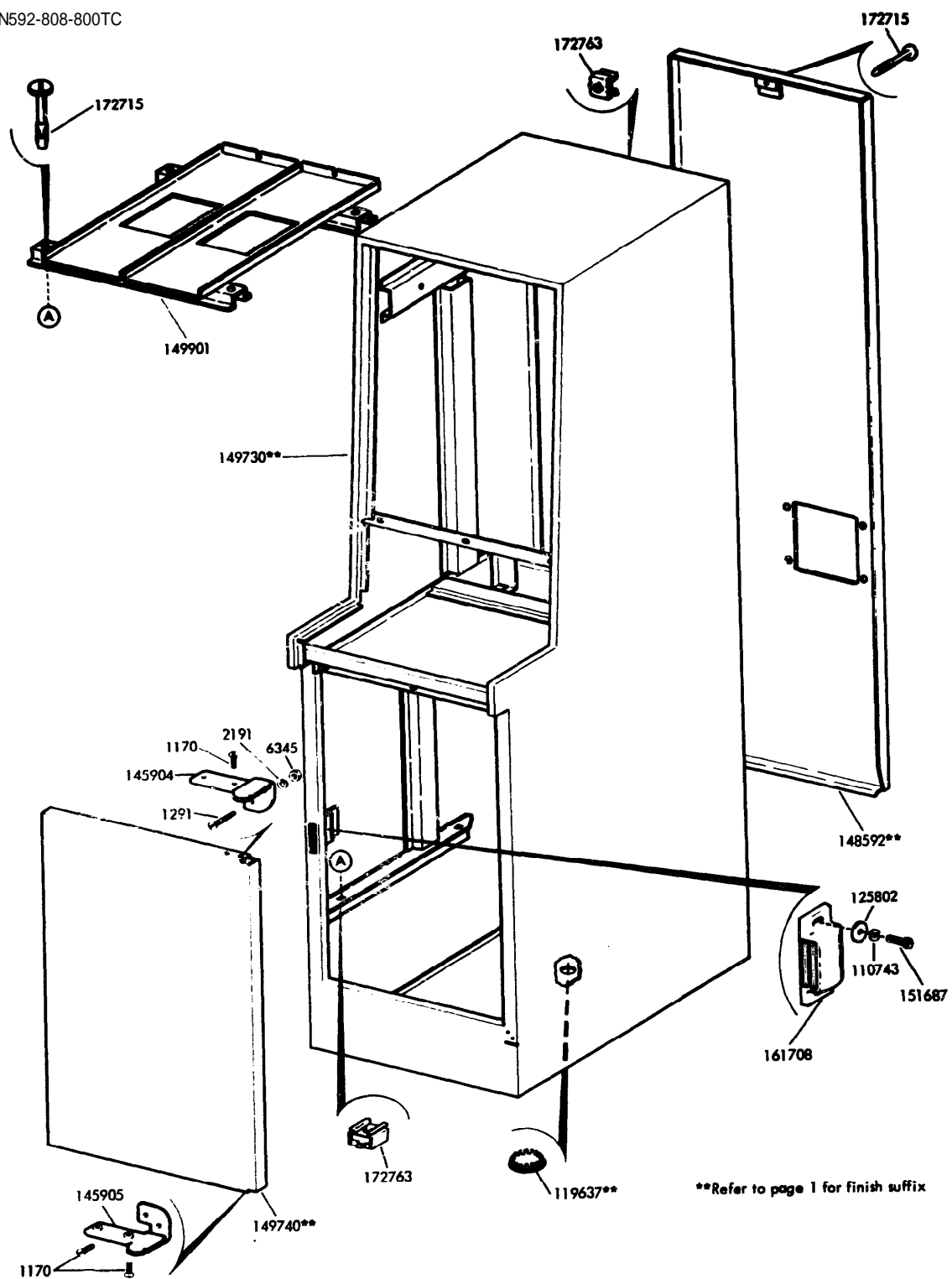


FIGURE 1. CABINET

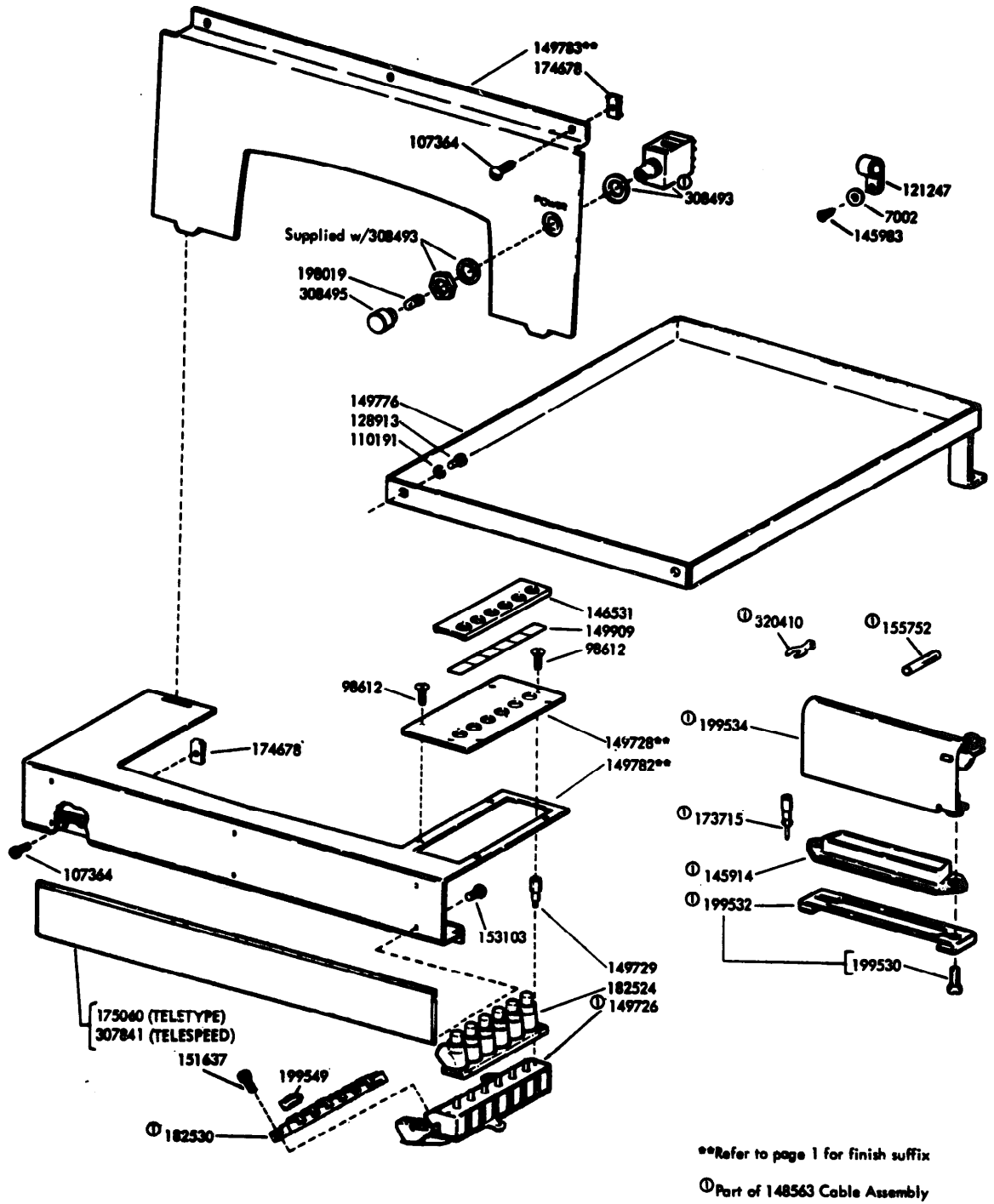


FIGURE 2. CABINET (CONTINUED)

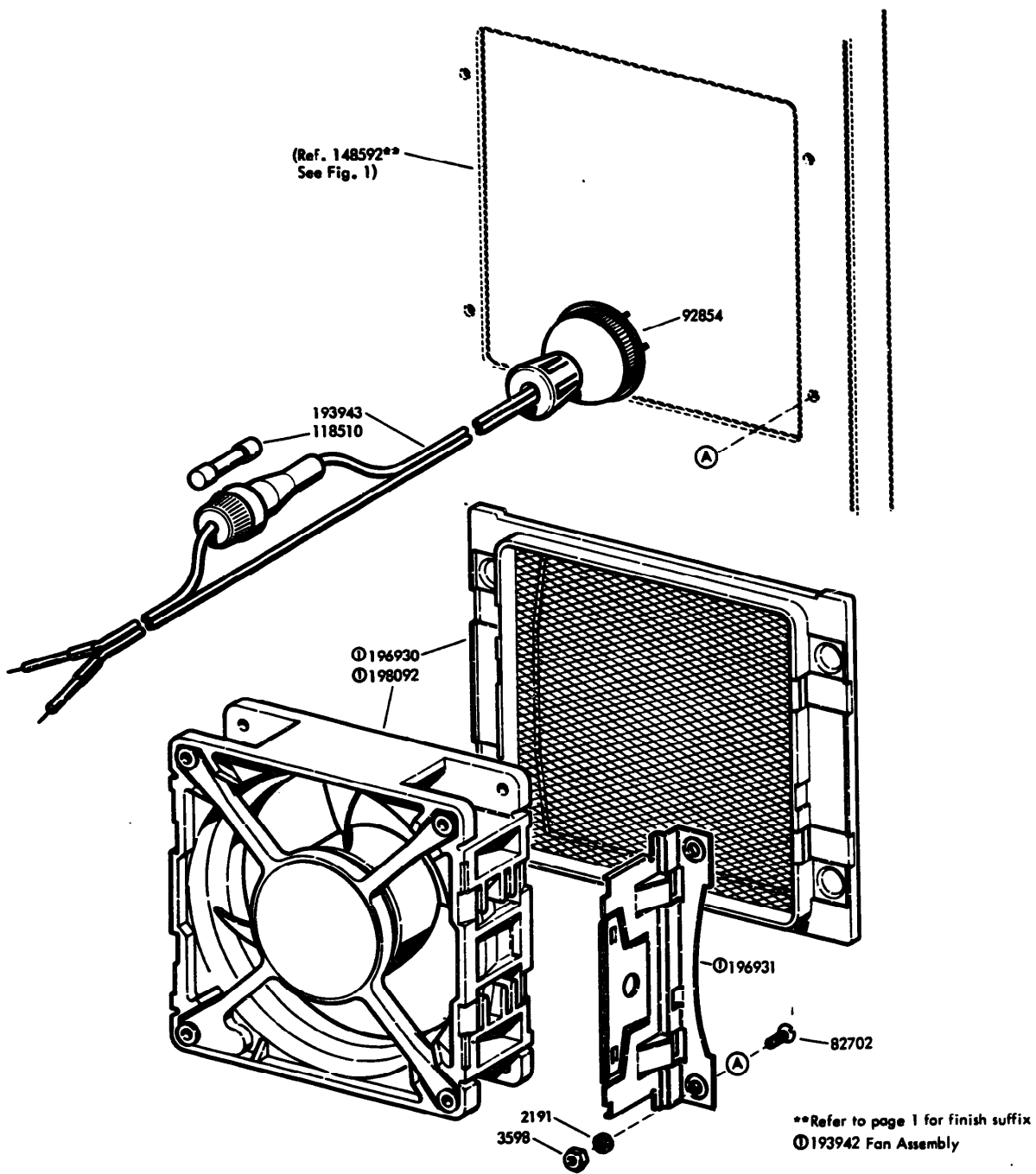
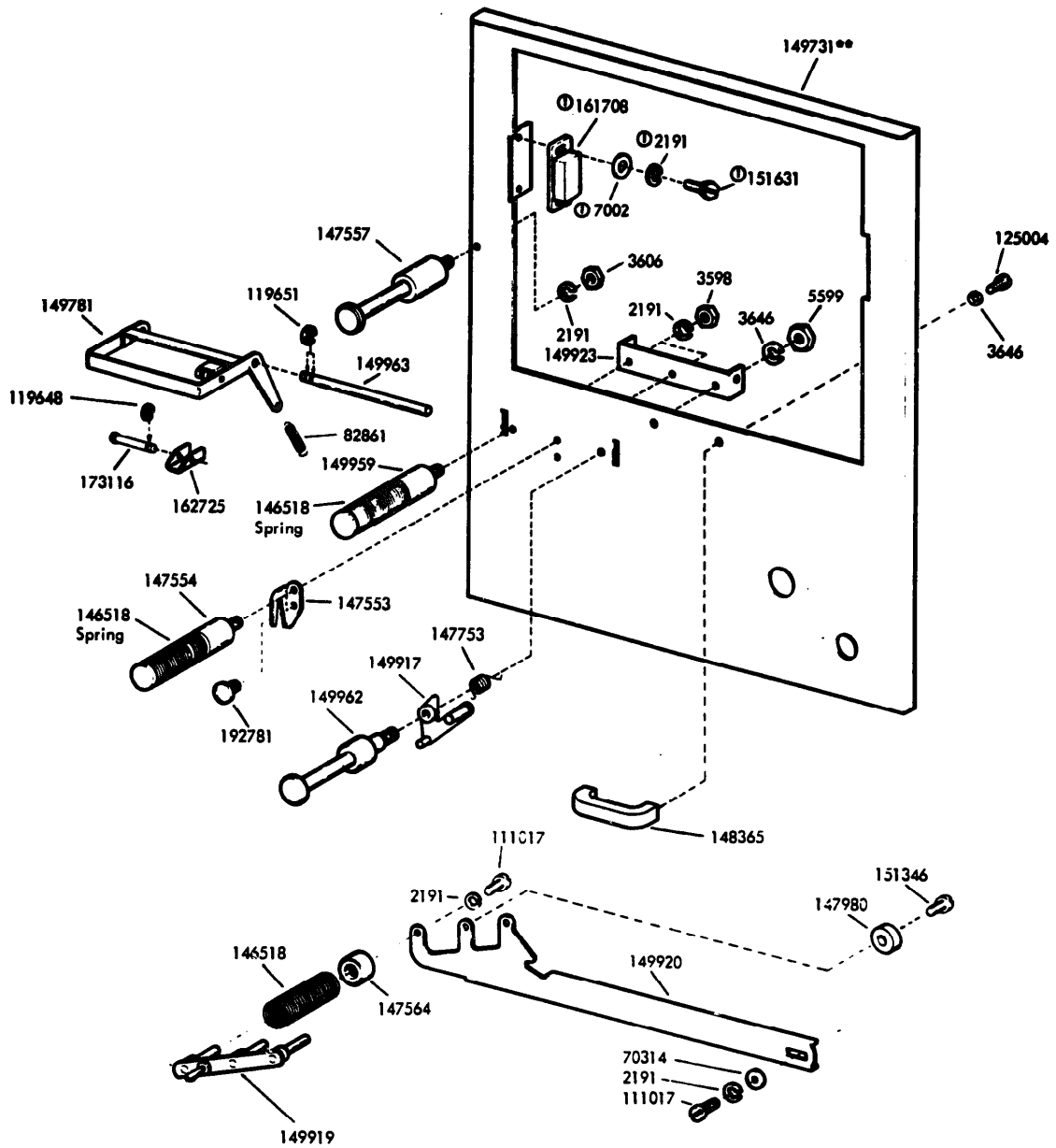


FIGURE 3. FAN AND POWER CORD



**Refer to page 1 for finish suffix
 Ⓞ Early Design Parts used w/ Early and Intermediate Design Covers

FIGURE 4. FRONT PANEL

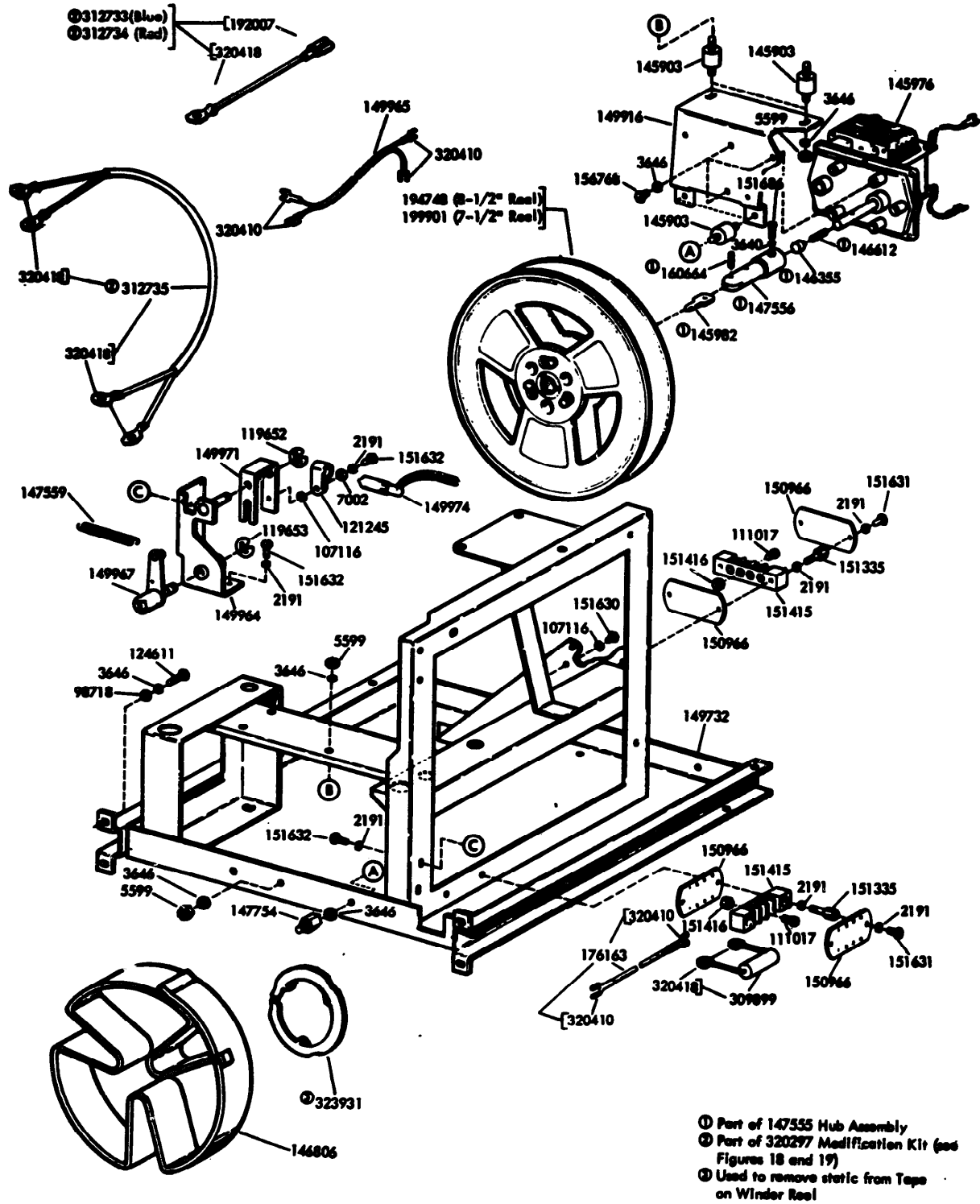


FIGURE 5. INNER FRAME AND TAPE WINDER

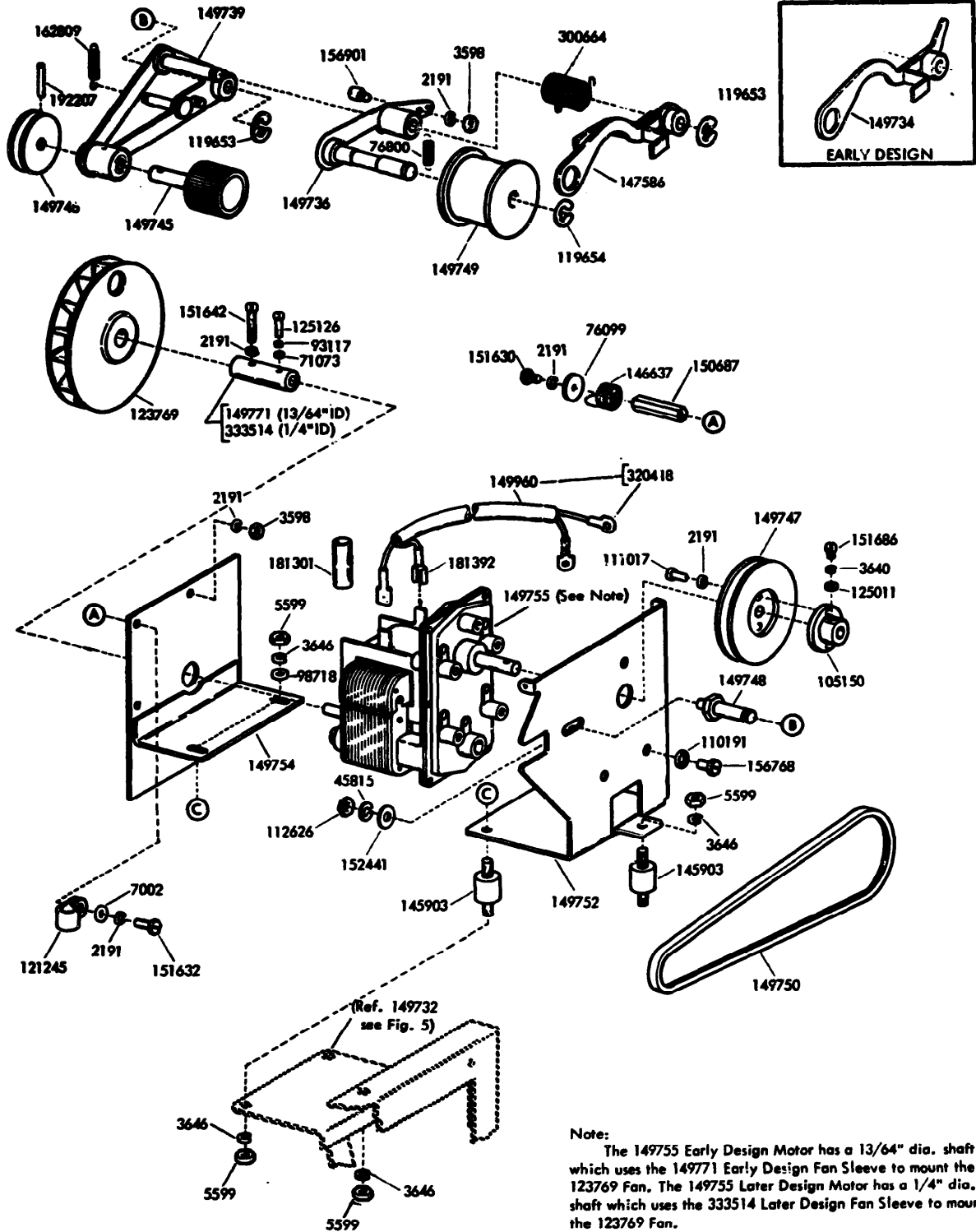


FIGURE 8. TAPE PULLER MECHANISM

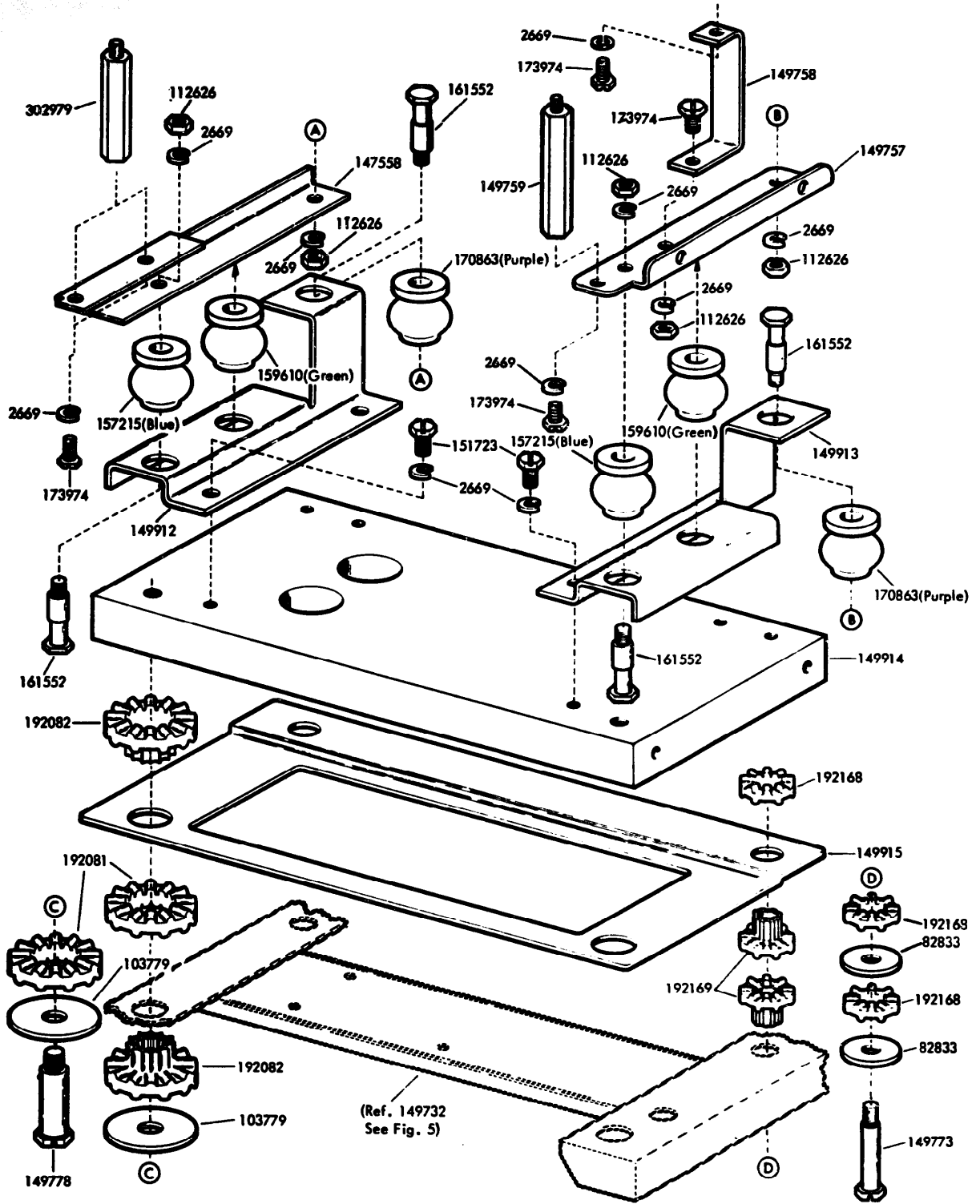
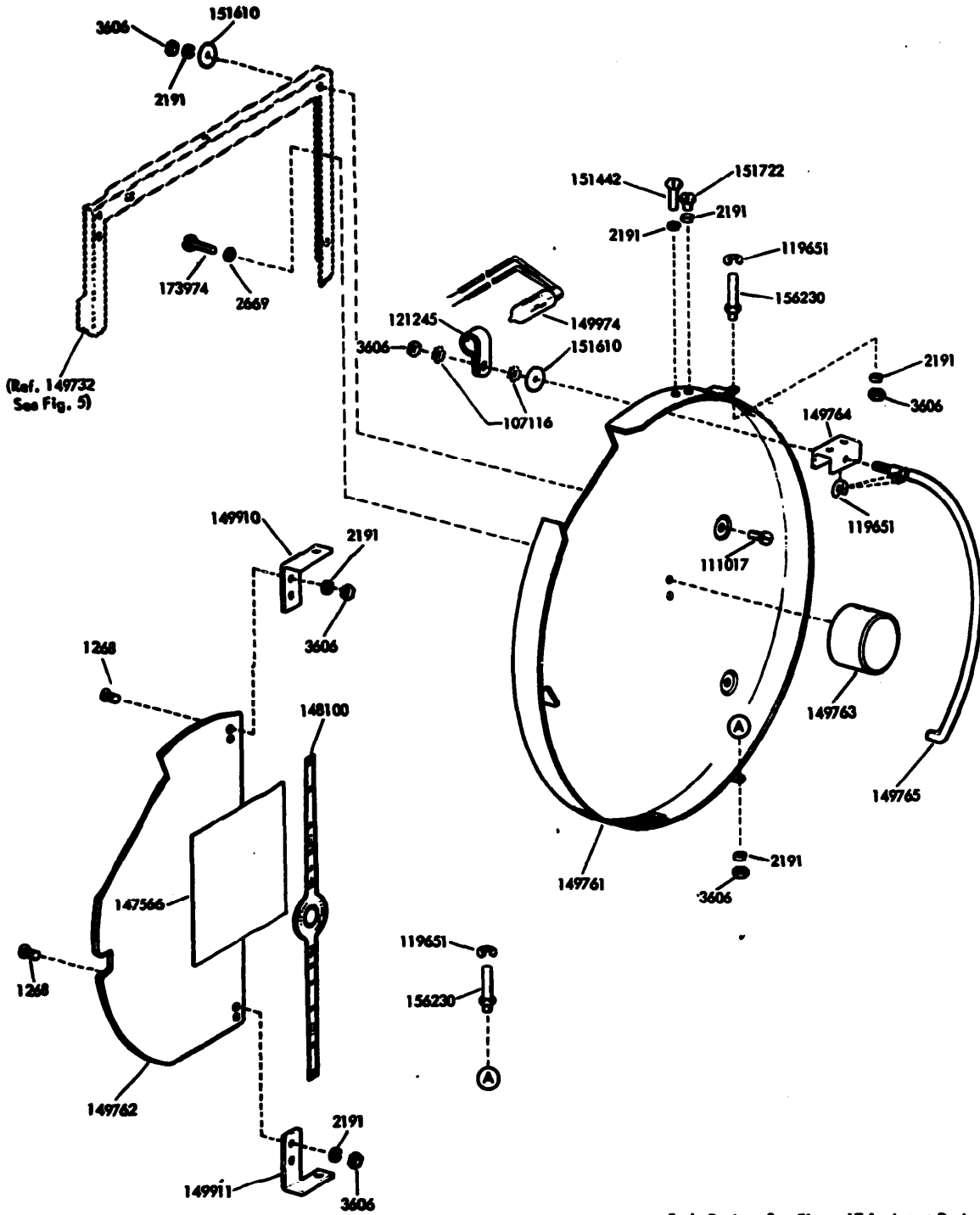


FIGURE 9. PUNCH MOUNTING PARTS



Early Design, See Figure 17 for Latest Design.

FIGURE 10. TAPE CONTAINER

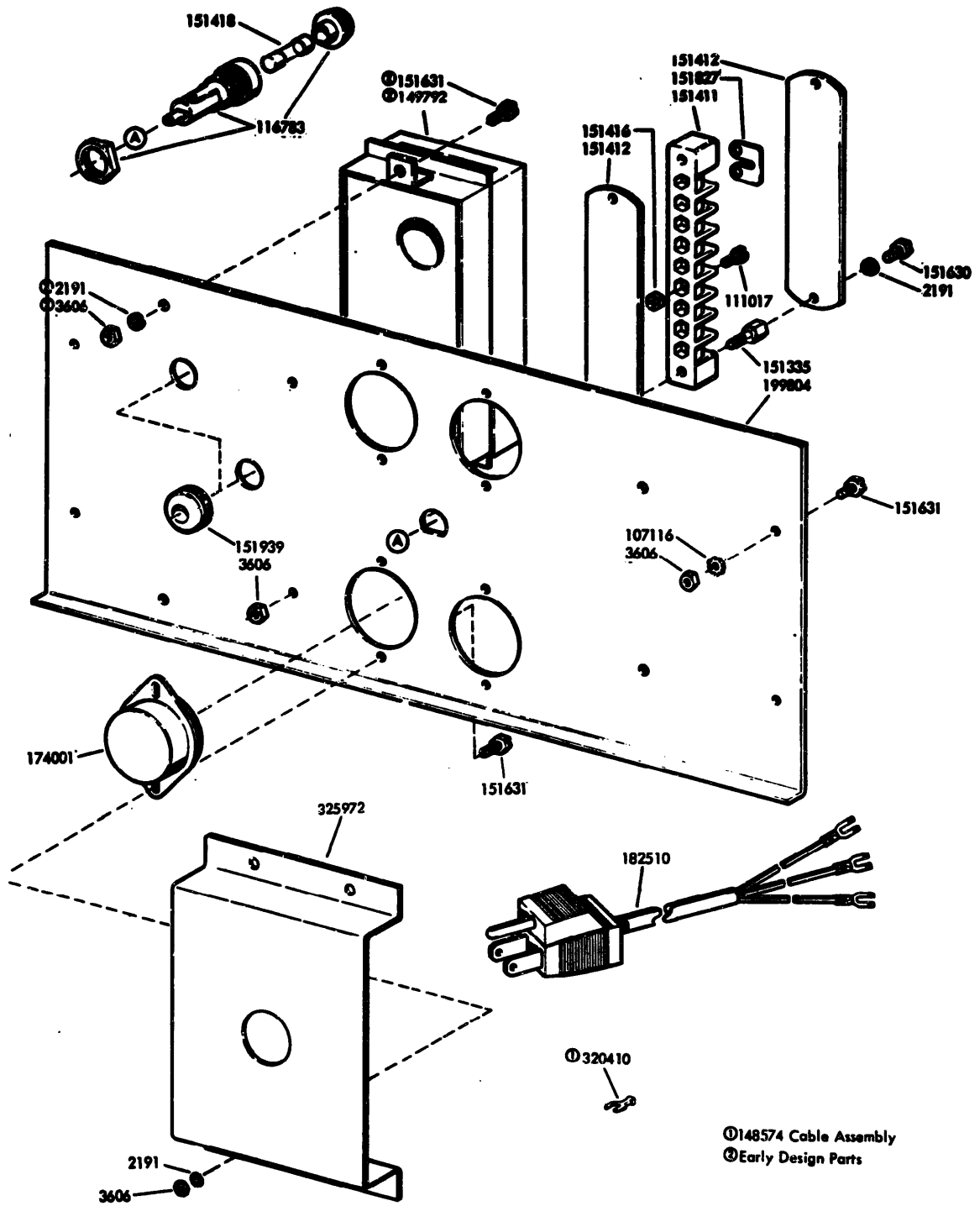


FIGURE 11. 148562 ELECTRICAL SERVICE PANEL ASSEMBLY

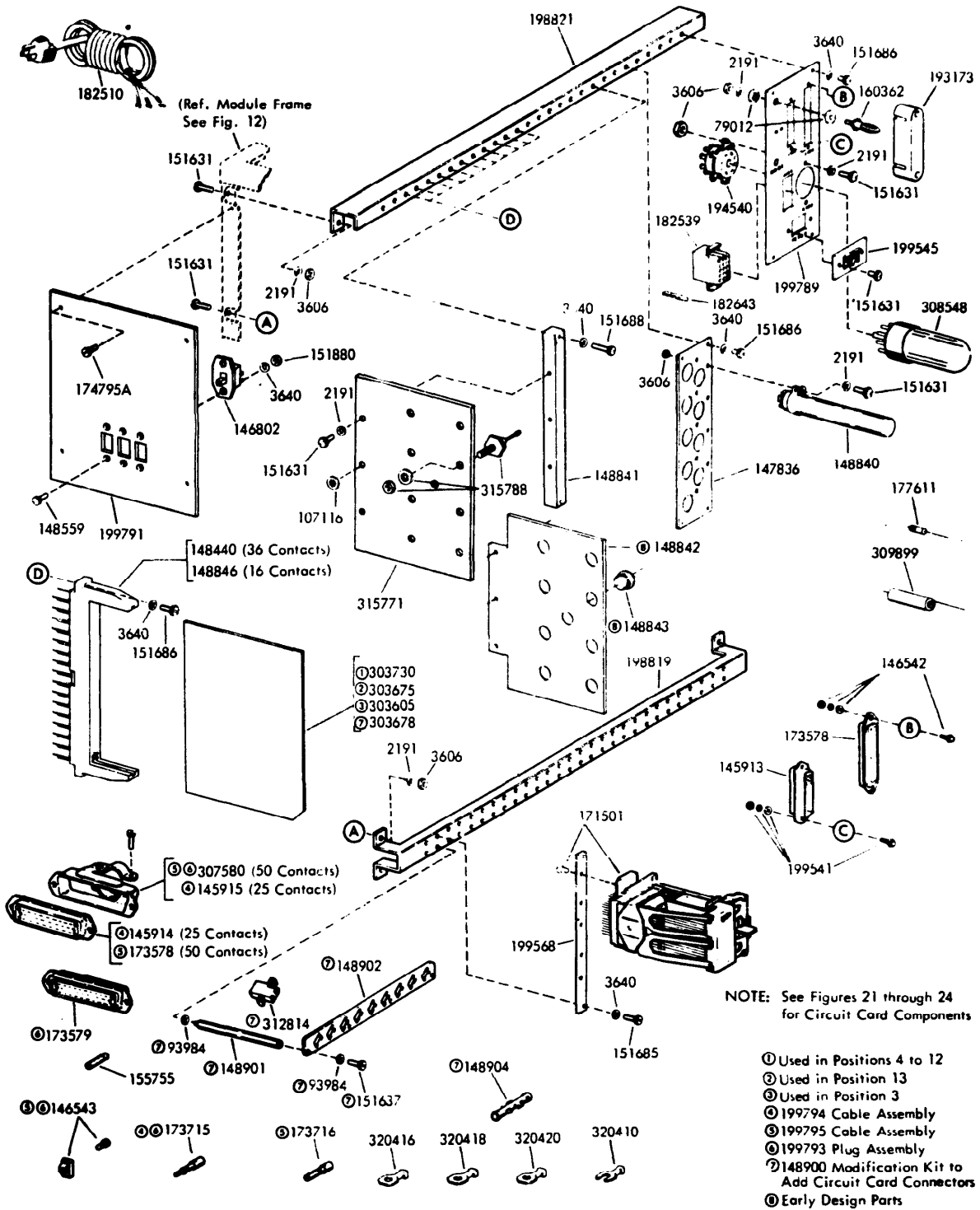


FIGURE 13. 199540** RECEIVER MODULE (SEE FIGURE 12 FOR 148850** POWER SUPPLY)

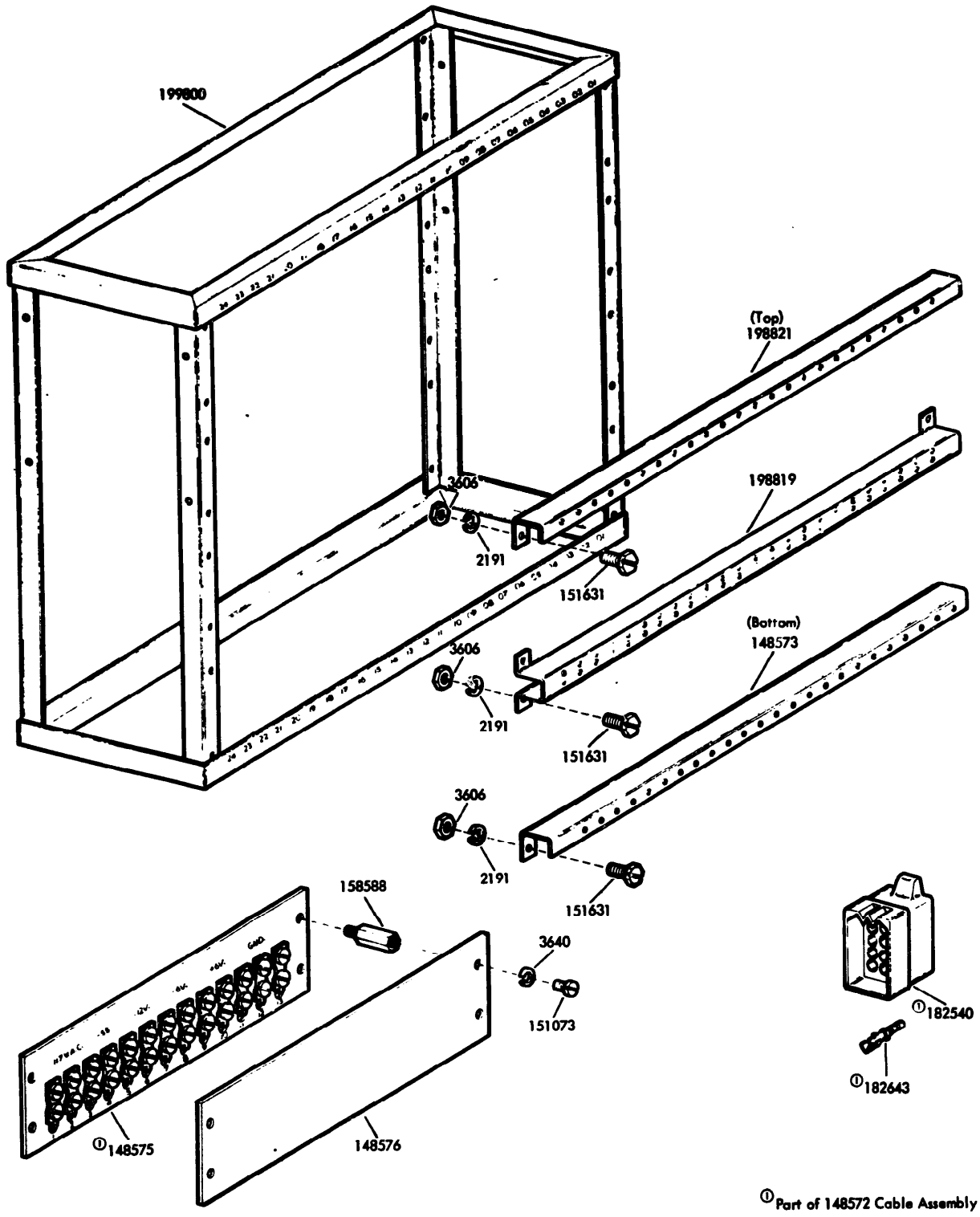
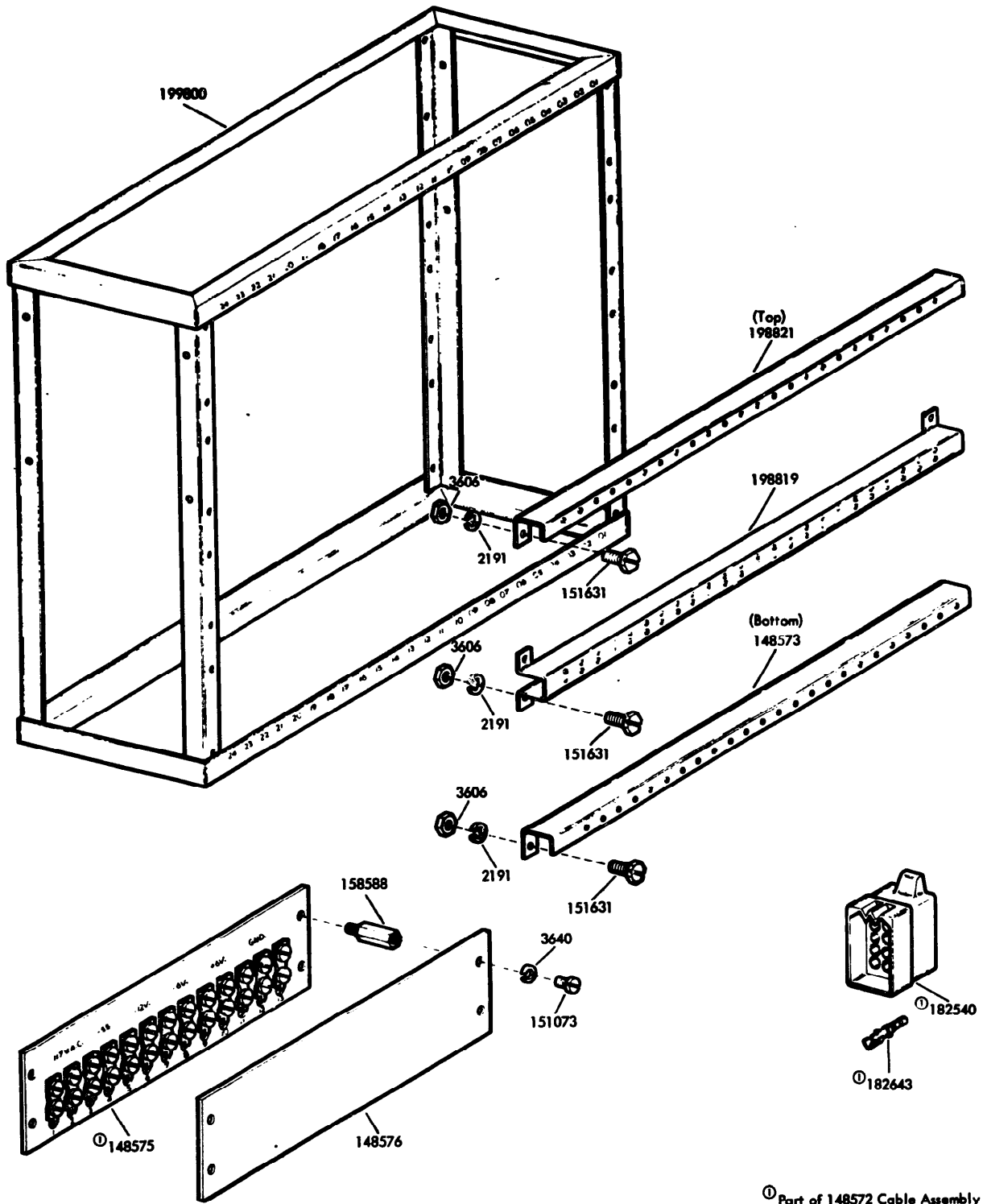


FIGURE 14. 148570 FRAME ASSEMBLY



⓪ Part of 148572 Cable Assembly

FIGURE 14. 148570 FRAME ASSEMBLY

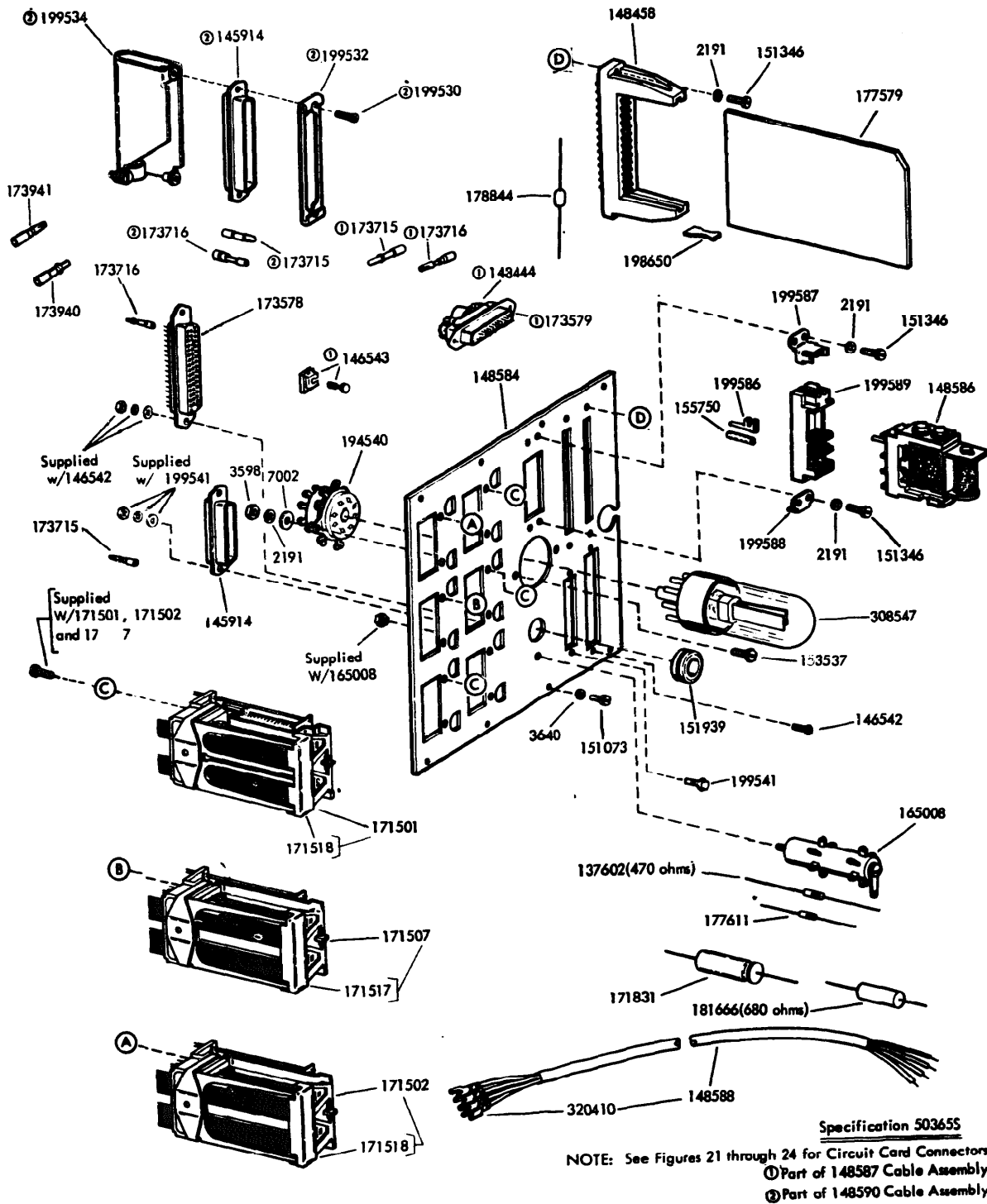


FIGURE 16. 199788 MODIFICATION KIT TO PROVIDE UNATTENDED OPERATION OF A SEND/RECEIVE STATION

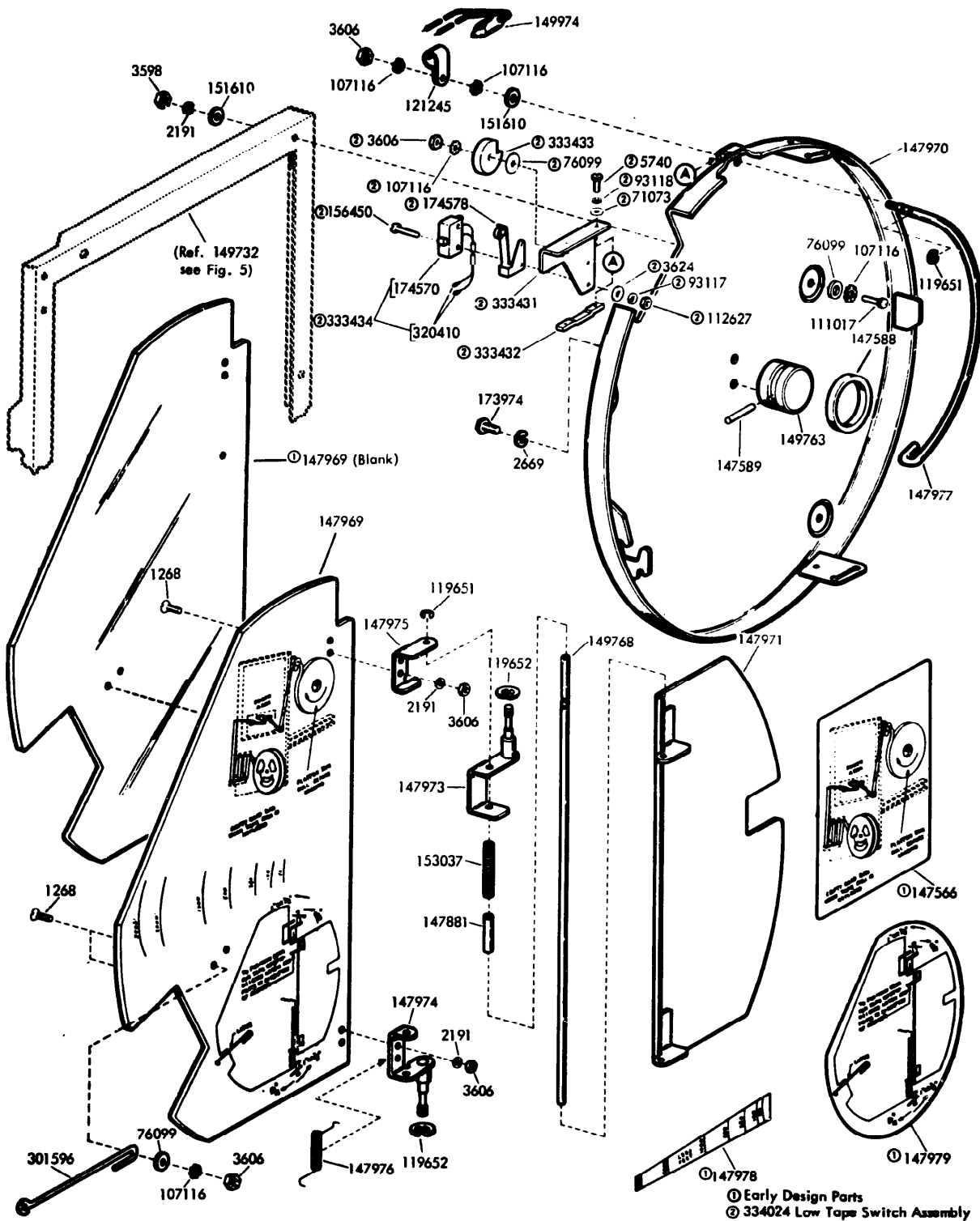


FIGURE 17. TAPE CONTAINER

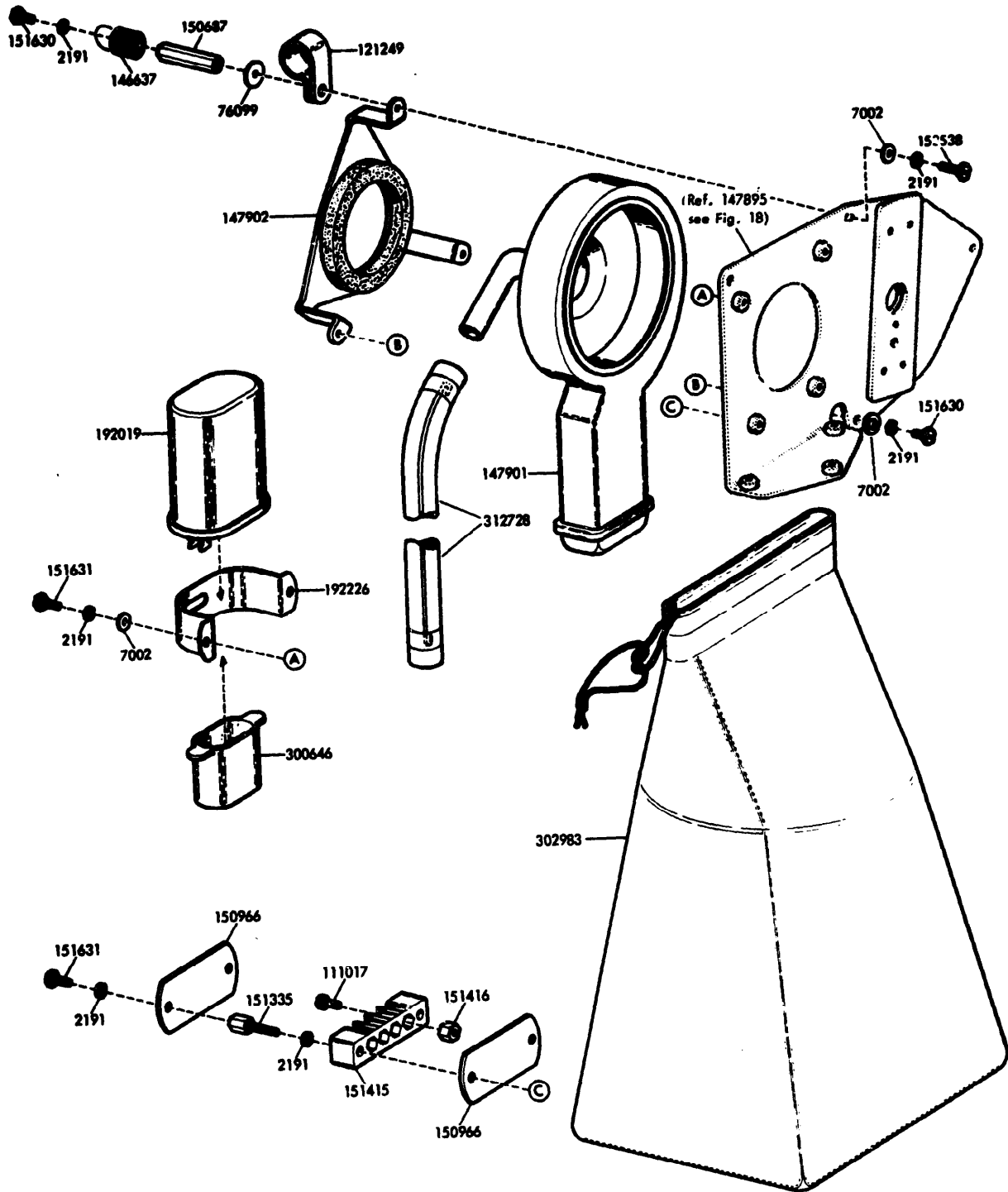


FIGURE 19. 320297 MODIFICATION KIT TO ADD HIGH SPEED CHAD DISPOSAL AND TAPE PULLER (CONTINUED)

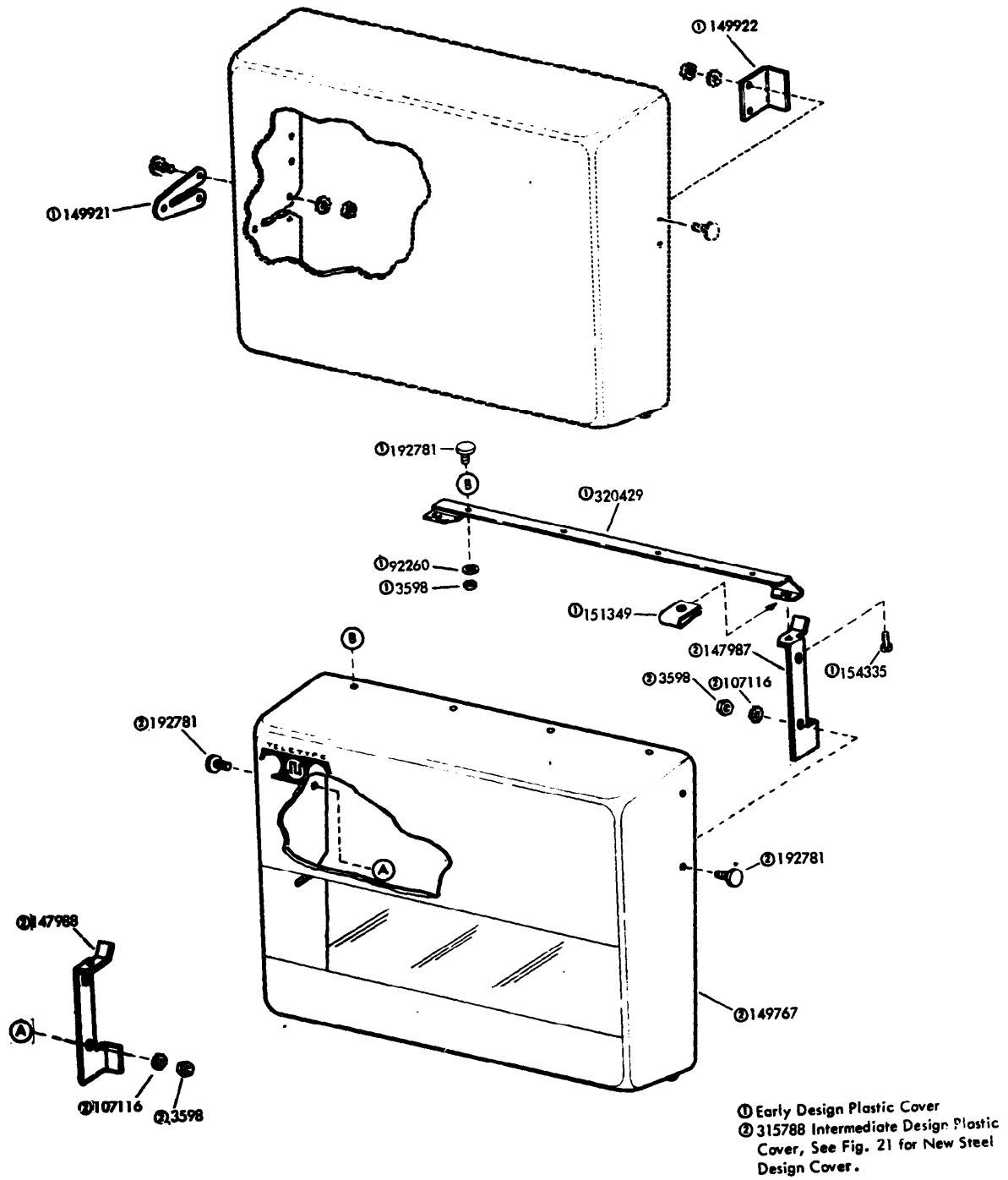
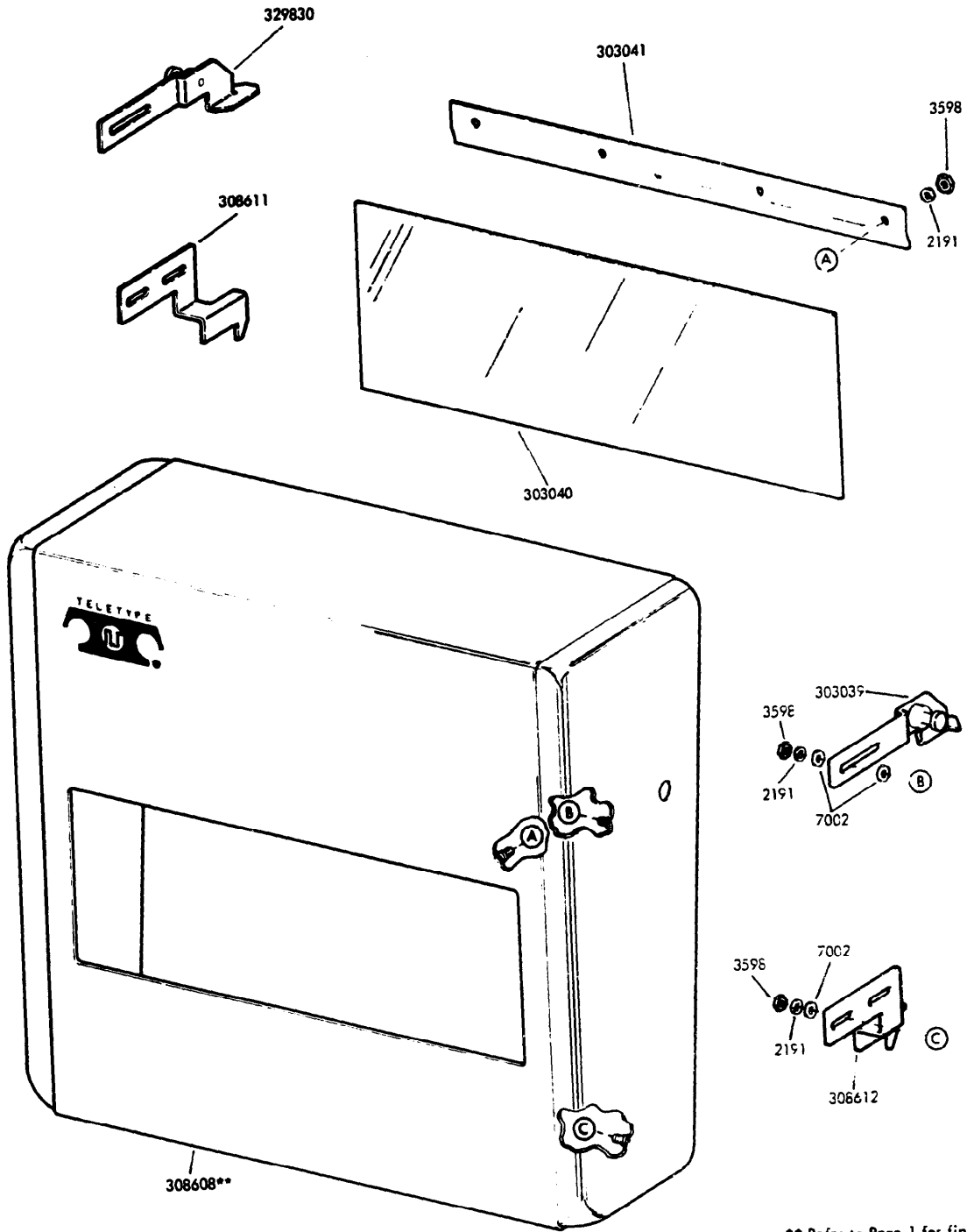


FIGURE 20. PUNCH COVER



** Refer to Page 1 for finish suffix

FIGURE 21. 308615** COVER ASSEMBLY

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1170	Screw, 6-32 x 5/16 Flat 2	107364	Screw, 6-32 x 3/8 Fil 3	146612	Spring, Compression 6
1264	Screw, 10-32 x 1/2 Flat 7	110126	Lockwasher 18	146633	Bag, Chad 7
1268	Screw, 6-40 x 5/16 Flat 10,17	110191	Lockwasher 3,8	146637	Clip, Spring 8,19
1291	Screw, 6-32 x 3/4 Flat 2	110743	Lockwasher 2	146802	Switch, SP-ST Slide 13
2191	Lockwasher 2,4,5,6,7,8,10,11,13,14,15,16,17,18,19,21	111017	Screw, 6-40 x 5/16 Fil 5, 6,8,10,11,17,19	146806	Adapter, Tape Reel 6
2669	Lockwasher 7,9,10,17,18	112626	Nut, 10-32 Hex 7,8,9,18	147553	Bracket, Guide 5
3438	Washer, Flat 7,18	112627	Nut, 1-56 Hex 17	147554	Post, Tape Guide 5
3598	Nut, 6-40 Hex 4,5,7,8,16,17,18,20,21	116783	Holder, Fuse 11	147555	Hub Assembly 6
3606	Nut, 6-40 Hex 5,10,11,13,14,15,17	117176	Fuse, SL-BL 0.5 Amp 12	147556	Hub 6
3624	Washer, Flat 17	117580	Holder, Fuse 12	147557	Post, Tape Guide 5
3640	Lockwasher 6,7,8,13,14,16,18	118510	Fuse, 1/4 Amp 4	147558	Rail, Left 9
3646	Lockwasher 5,6,8,18	119637**	Button, Plug 2	147559	Spring 6
5599	Nut, 8-32 Hex 5,6,8,18	119648	Ring, Retaining 5	147564	Bushing 5
5740	Screw, 2-56 x 1/4 Fil 17	119651	Ring, Retaining 5,10,17	147566	Decalcomania 10,17
6345	Nut, 6-32 Hex 2	119652	Ring, Retaining 6,17	147586	Lever w/Hub 8,18
6347	Screw, 6/32 x 3/8 Rd 18	119653	Ring, Retaining 6,8,18	147588	Sleeve 17
7002	Washer, Flat 3,5,6,15,16,18,19,21	119654	Ring, Retaining 8,18	147589	Pin 17
35551	Screw, 10/32 x 3/8 Flat 7	121243	Clamp, 3/16 ID Cable 15	147753	Spring, Torsion 5
44048	Washer, Flat 18	121245	Clamp, 5/16 ID Cable 6,8,10,17,18	147754	Post, Spring 5,6
45815	Lockwasher 8	121247	Clamp, 7/16 ID Cable 3	147836	Bracket, Resistor 13
70314	Washer, Flat 5	121249	Clamp, 5/8 ID Cable 19	147881	Sleeve 17
71073	Washer, Flat 8,17	123769	Fan, Motor 8,18	147895	Bracket w/Plate 18,19
76099	Washer, Flat 8,17,19	124611	Screw, 8/32 x 1/2 Hex 6	147897	Pulley 18
76800	Spring 8	125004	Screw, 8/32 x 1/4 Rd 5	147898	Pulley 18
79012	Insulator 13	125011	Washer, Flat 7,8,18	147899	Shaft 18
82787	Spring 18	125126	Screw, 2-56 x 9/32 Fil 8	147901	Casing w/Chute, Fan Wheel 19
82702	Screw, 6-40 x 9/32 Flat 4	125802	Washer, Flat 2,15	147902	Clamp w/Gasket 19
82852	Lockwasher 7	128913	Screw, 8-32 Self-Tapping 3	147903	Bracket, Motor Mounting 18
82833	Washer, Flat 9	129920	Fuse, SL-BL 5 Amp 12	147969	Door, Plastic 17
82861	Spring 5	137602	Resistor, 470 Ohm 16	147970	Container, Universal Tape 17
90790	Washer, Flat 18	143306	Fuse, SL-BL 1 Amp 12	147971	Cover, Rear Tape 17
91517	Screw, 8/32 x 3/4 Rd 18	145903	Mount, Vibration 6,8,18	147973	Pivot w/Post, Sliding 17
92260	Lockwasher 20	145904	Hinge, Right 2	147974	Bracket w/Post, Pivot 17
92854	Connector, 2 Pt Plug 4	145905	Hinge, Left 2	147975	Bracket, Hinge 17
93117	Lockwasher 8,17	145913	Connector, 25 Pt Receptacle Type 13	147976	Spring, Torsion 17
93118	Lockwasher 17	145914	Connector, 25 Pt Plug Type 3,13,16	147977	Arm, Low Tape 17
93984	Lockwasher 13	145915	Clamp, Cable 13	147978	Decalcomania 17
98612	Screw, 4-40 Spl 3	145976	Motor, 115 V AC 6	147979	Decalcomania 17
98718	Washer, Flat 6,8	145982	Detent, Tape Reel 6	147980	Button 5
103779	Washer, Flat 9	145983	Screw, No. 6 Self-Tapping 3	147986	Pad w/Adhesive 7
105150	Hub, Cam 8	146355	Plunger 6	147987	Bracket, Right Strike 20
105400	Bearing, Ball 18	146518	Roller, Spring 5	147988	Bracket, Left Strike 20
107116	Lockwasher 6,10,11,13,17,20	146531	Faceplate 3	148100	Decalcomania 10
		146542	Post Assembly 13,15,16	148105	Tag 7
		146543	Screw Assembly 13,16	148108	Clip, Spring 7
				148365	Handle 5
				148440	Connector, 36 Pt Circuit Card 13

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143444	Clamp, Cable 16	149736	Lever 8,18	149959	Post, Tape Guide 5
148458	Connector, 15 Pt Circuit Card 15,16	149739	Lever 8,18	149960	Cable w/Terminals 8
148559	Screw, 4-40 x 1/4 Fil 13	149740**	Door, Front 2	149962	Post, Tape Guide 5
148562	Panel Assembly, Electrical Service 1,11	149745	Roller, Driver 8	149963	Pin 5
148563	Cable Assembly 3	149746	Pulley 8	149964	Bracket 6
148570	Frame Assembly 1,14	149747	Pulley 8	149965	Cable w/Terminals 6
148572	Cable Assembly 14	149748	Post 8,18	149967	Lever w/Shaft 6
148573	Strip, Mounting 14	149750	Belt, V 8	149971	Bail 6
148574	Cable w/Terminals 11	149752	Bracket, Motor Mounting 8	149974	Switch, Mercury 6,10
148575	Strip, Terminal 14	149753	Casting, Fan Wheel 7	150089	Screw, 4-40 x 1/2 Fil 15
148576	Cover, Terminal Strip 14	149754	Plate w/Bracket 7,8	150687	Stud 8,19
148577	Cable Assembly 15	149755	Motor, 115 V AC 8	150966	Insulator, Terminal Block 6,19
148578	Cable Assembly 15	149758	Bracket 9	151073	Screw, 4-40 x 5/32 Fil 14,15,16
148584	Plate, Mounting 16	149759	Post 9	151152	Screw, 4-40 x 3/16 Hex 7
148586	Relay, 2, 100 Ohm 16	149761	Container, Tape 10	151335	Stud 6,11,19
148587	Cable Assembly 16	149762	Door, Plastic 10	151346	Screw, 6-40 x 3/8 Fil 5, 15,16
148588	Cable w/Terminals 16	149763	Post 10,17	151349	Nut, Speed 20
148590	Cable Assembly 16	149764	Bracket, Pivot 10	151411	Block, Terminal 11
148592**	Panel, Rear 2,4	149765	Arm, Low Tape 10	151412	Insulator, Terminal Block 11
148596	Fuse, SL-BL 25 Amp 12	149767	Cover, Plastic 20	151415	Block, Terminal 6,19
148840	Resistor, 5 Ohm 13	149768	Pin, Hinge 17	151416	Nut, 6-40 Hex 6,11,15,19
148841	Bar, Mounting 13	149771	Sleeve, Fan 8	151418	Fuse, 10 Amp 11
148842	Plate, Diode 13	149773	Screw, 10-32- Shoulder 9	151442	Screw, 6-40 x 1/2 Hex 10
148843	Rectifier 13	149774	Channel, Left 7	151610	Washer, Flat 10,17
148846	Connector, 16 Pt Card 13	149775	Channel, Right 7	151618	Screw, 6-40 x 7/16 Fil 15
148850**	Power Supply 1,12,13	149776	Rack, Mounting 3	151630	Screw, 6-40 x 1/4 Hex 6, 8,11,19
148853	Capacitor, 36,000 MFD 12	149778	Screw, 1/4-32 Shoulder 9	151631	Screw, 6-40 x 5/16 Hex 5, 6,11,13,14,19
148854	Capacitor, 3,750 MFD 12	149779	Tube, Chad 7	151632	Screw, 6-40 x 3/8 Hex 6, 8,18
148855	Capacitor, 6 MFD 12	149781	Bail 5	151637	Screw, 4-40 x 1/4 Fil 3, 13
148856	Resistor, 30 Ohm 12	149782**	Panel, Control 3	151642	Screw, 6-40 x 3/4 Fil 8, 18
148857	Resistor, 20 Ohm 12	149783**	Cover, Panel 3	151685	Screw, 4-40 x 5/16 Fil 13,18
148859	Diode 12	149792	Suppressor, Noise 11	151686	Screw, 4-40 x 3/8 Fil 6, 8,13,15
148860	Diode 12	149901	Rack, Lower 2	151687	Screw, 4-40 x 7/16 Fil 2
148861	Transformer 12	149909	Card, Identification 3	151688	Screw, 4-40 x 5/8 Fil 13
148900	Modification Kit 13	149910	Bracket, Left Hinge 10	151692	Screw, 6-40 x 3/16 Fil 15,18
148901	Post 13	149911	Bracket, Right Hinge 10	151722	Screw, 6-40 x 3/16 Hex 10
148902	Plate 13	149912	Bracket, Left 9	151723	Screw, 10-31 x 3/8 Hex 9
148904	Terminal, Receptacle Type 13	149749	Post 8,18	151827	Strap, Terminal 11
148908	Nut, 10-32 Wing 15	149749	Roller, Tape Feed 8,18		
149726	Key 3	149914	Plate, Vibration Dampener 9		
149728**	Plate, Switch 3	149915	Plate, Support 9		
149729	Stud 3	149916	Bracket, Motor Mounting 6		
149730**	Cabinet 2	149917	Latch 5		
149731**	Panel, Front 5	149757	Rail, Right Mounting 9		
149732	Frame, Inner 6,7,8,9,10, 17	149758	Bracket 9		
149734	Lever w/Hub 8	149920	Arm, Tape Sensing 5		
		149921	Plate 20		
		149922	Bracket, Strike 20		
		149923	Bracket 5		

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152441	Washer, Flat 8	171642	Fuse, SL-BL 1.6 Amp 12	186178	Bearing, Ball 18
153037	Spring 17	171644	Fuse, 1.5 Amp 12	192007	Terminal, Tab Type 6
153103	Screw, 4-40 Self-Tapping 3	171831	Capacitor, 10 MFD 16	192019	Capacitor, 3 MFD 19
153537	Screw, 6-40 x 9/32 Hex 16	172715	Screw, 10-24 Captive 2	192081	Ring 9
153538	Screw, 6-40 x 7/16 Hex 19	172763	Nut, Grip 2	192082	Bushing 9
154335	Screw, 6-40 x 9/32 Fil 20	173116	Pin 5	192168	Ring 9
155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 16	173578	Connector, 50 Pt Receptacle Type 13,15,16	192169	Bushing 9
155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 3	173579	Connector, 50 Pt Receptacle Type 13,15,16	192207	Pin, Roll 8
155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 15	173715	Terminal, Plug Type 3,13, 16	192226	Bracket, Capacitor Mounting 19
155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 13	173716	Terminal, Receptacle Type 13,15,16	192781	Screw, 6-40 Spl 5,20
156230	Stud, Lifter Pivot 10	173940	Terminal, Plug Type 16	193173	Flasher 13
156450	Screw 2-56 x 1/2 Fil 17	173941	Terminal, Receptacle Type 16	193942	Fan Assembly 4
156536	Screw, 4-40 x 1/8 Fil 7	173974	Screw, 10-32 x 5/16 Hex 9,10,17	193943	Cable Assembly 4
156588	Ring, Retaining 18	174001	Connector, 3 Pt Receptacle 11	194540	Socket, 8 Pt 13,16
156740	Screw, 6-40 x 7/32 Hex 18	174570	Switch 17	194748	Reel, Tape 6
156768	Screw, 8-32 x 9/32 Hex 6, 8	174578	Cable Assembly 17	196930	Grille 4
156831	Clamp 18	174678	Nut, Speed 3	196931	Clip 4
156901	Post, Eccentric 8,18	174795A	Screw, 6-40 x 1/4 Fil 13	198019	Lamp, 6V 3
157215	Mount, Vibration 9	175060	Plate, Name 3	198092	Fan 4
158588	Post 14	176163	Jumper, 18" BL 6	198650	Key, Polarizing 15,16
159610	Mount, Vibration 9	177520	Card, EC520 Circuit 15	198819	Strip, Mounting 13,14
160362	Plug, Banana 13	177579	Card, Circuit 16	198821	Strip, Top Mounting 13,14
160664	Pin, Roll 6	177611	Rectifier 13,16	199530	Screw, 4-40 Shoulder 3, 15,16
161552	Screw, 10-32 Spl 9	178844	Varistor 16	199532	Lock Assembly, Sliding 3, 16
161708	Latch, Magnetic 2,5	179495	Screw, 10-24 x 1/2 Hex 7	199534	Clamp, Cable 3,16
161711	Block, Guide 7	181014	Grommet, Rubber 15	199540**	Module, Receiver 1,12,13,
161716	Block, Support 7	181301	Sleeve, 15/64 ID x 1" Lg Insulating 8	199541	Post, Sliding Lock 13,16
162469	Washer, Spring 18	181378	Lug, Clamp Screw 18	199545	Strip, 2 Pt Terminal 13
162725	Depressor, Chad 5	181392	Terminal, Tab Type 8	199549	Lamp, 48V 3
162809	Spring 8,18	181666	Ressitor, 680 Ohm 16	199568	Bracket, Relay Mounting 13
165008	Turret, Terminal 15,16	182510	Card, Power 11,13	199569	Bracket 15
165027	Network, Spark Suppression 15	182524	Button Assembly 3	199570	Generator Assembly, Signal 15
170863	Mount, Vibration 9	182530	Strip, Assembly Lamp 3	199571	Post 15
171319	Resistor, 50 Ohm 12	182539	Connector, 15 Pt Receptacle Type 13,15	199572	Plate, Mounting 15
171501	Relay 13,15,16	182540	Connector, 15 Pt Plug Type 14,15	199573	Motor w/Capacitor, 117 V AC Synchronous 15
171502	Relay 16	182643	Terminal, Plug Type 13, 14,15	199574	Hub 15
171507	Relay 16	182644	Terminal, Receptacle Type 15	199575	Holder, Brush 15
171517	Cover, Dust 16			199576	Cover 15
171518	Cover, Dust 16			199577	Cover 15
171526	Resistor, 1,500 Ohm 12			199578	Bushing, Snap 15
171613	Diode 12			199580	Disk, Coding 15
				199586	Terminal, Taper Pin 16

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199589	Receptacle, Relay 16	303675	Card, Circuit 13	315771	Plate, Diode 13
199784	Identifier Assembly, Receiving Station 1,15	303678	Card, Circuit 13	315788	Rectifier 13,20
199788	Modification Kit 1,16	303730	Card, Circuit 13	315793	Belt, V 18
199789	Plate, Mounting 13	307580	Shell 13	320297	Modification Kit 1,6,16, 18,19
199790	Plate, Mounting 15	307841	Plate, Name 3	320410	Terminal, Spade Type 3,6, 11,13,16,17
199791	Plate, Mounting 13	308493	Switch, Pushbutton 3	320416	Terminal, Ring Type 13
199793	Plug Assembly 13	308495	Lens, White 3	320418	Terminal, Ring Type 6,8, 13
199794	Cable Assembly 13	308547	Relay 16	320420	Terminal, Ring Type 13
199795	Cable Assembly 13	308548	Relay 13	320429	Bracket, Retaining 20
199798	Lock Assembly, Sliding 15	308608**	Cover 21	323927	Capacitor 12
199799	Clamp, Cable 15	308611	Latch, Left 21	323931	Clip, Spring 6
199800	Frame 14	308612	Latch, Right 21	323937	Resistor, 240 Ohm 12
199804	Bracket, Mounting 11	308615**	Cover Assembly 1,21	325972	Insulator 11
199901	Reel, Tape 6	309899	Network, Spark Suppression 6,13	325979	Shield, End 18
300646	Boot, Rubber 19	311158	Chute, Chad 7	329830	Latch, Left Spring 21
300664	Spring, Torsion 8,18	312273	Resistor 12	330563	Shield 12
300716	Pulley, V Belt 18	312727	Motor 18	333431	Bracket 17
300718	Driver, Roller 18	312728	Tube, Chad 19	333432	Plate, Nut 17
301596	Latch, Door 17	312733	Jumper, 3 1/2" Blue 6	333433	Cam 17
302932	Chute, Chad 7	312734	Jumper, 3 1/2" Red 6	333434	Switch w/Terminals 17
302979	Post 9	312735	Cable w/Terminals 6	333514	Sleeve, Fan 8
302983	Bag, Chad 19	312736	Pulley 18	334024	Switch Assembly 17
303039	Spring, Latch 21	312740	Spacer 18		
303040	Window 21	312742	Belt, V 18		

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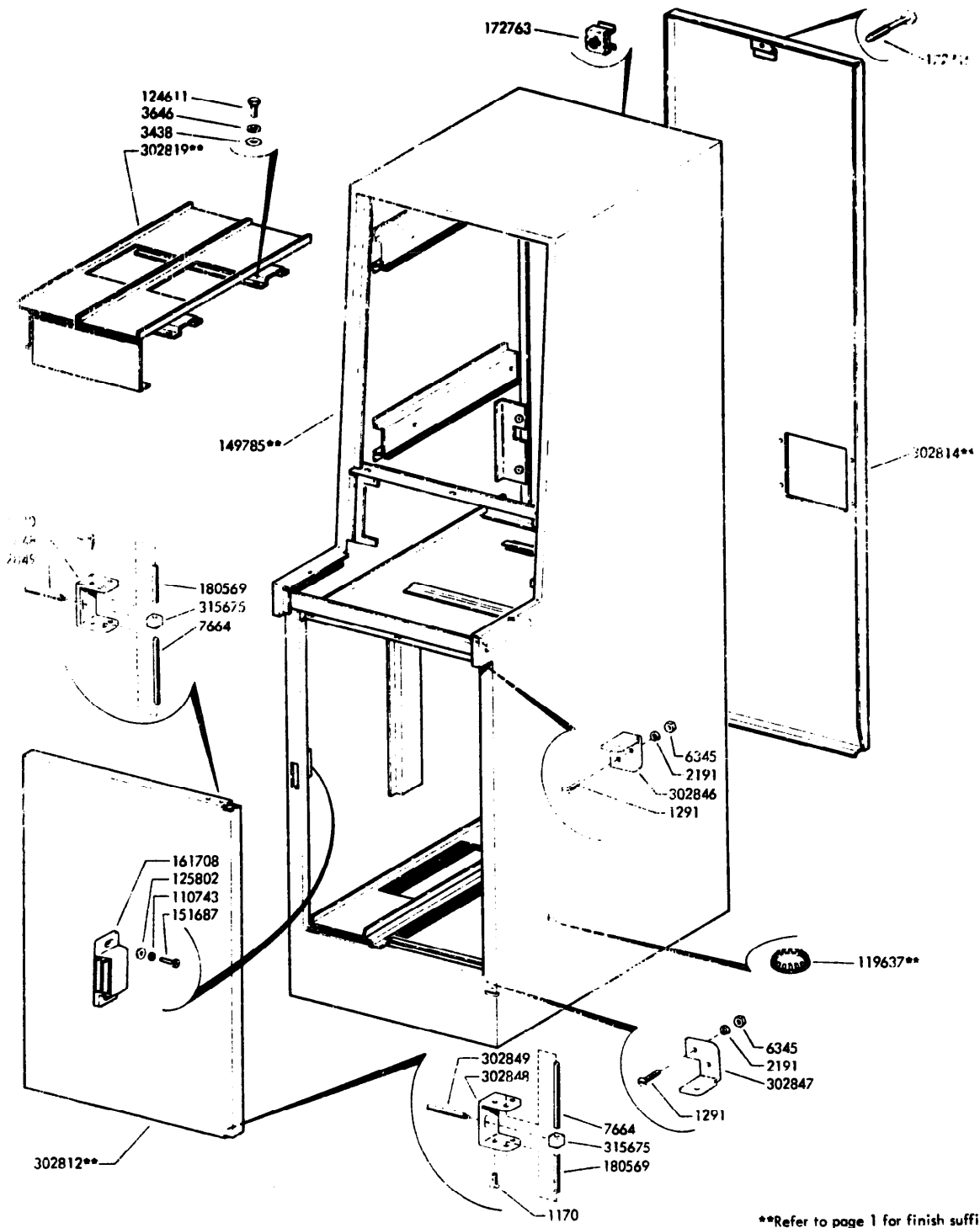
"TELESPEED" * TAPE RECEIVER CABINET (AC) AND MODULES
 TYPE 4
 PARTS

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1	Cabinet	2
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<u>Multi- Color code</u>	<u>Color (Smooth)</u>	<u>Suffix</u>
MA	Light Beige Fawn	HC HG
MB	Light Gray Beige	HB HE
MC	Light Gray Moss' Green	HB HD

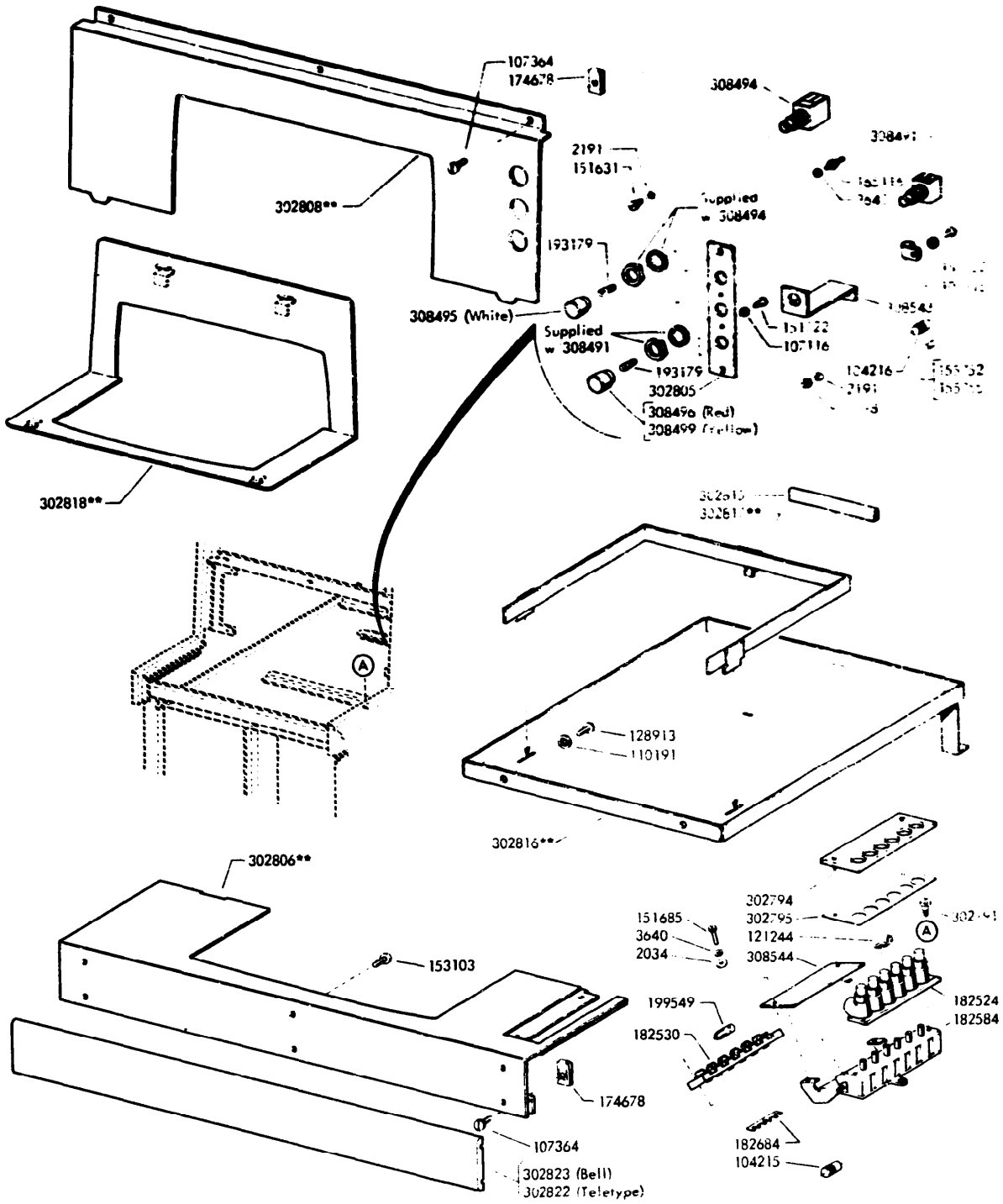
The double asterisk (**) denotes a painted part. Suffix to be applied following the part number.

*Trademark of Teletype Corporation.



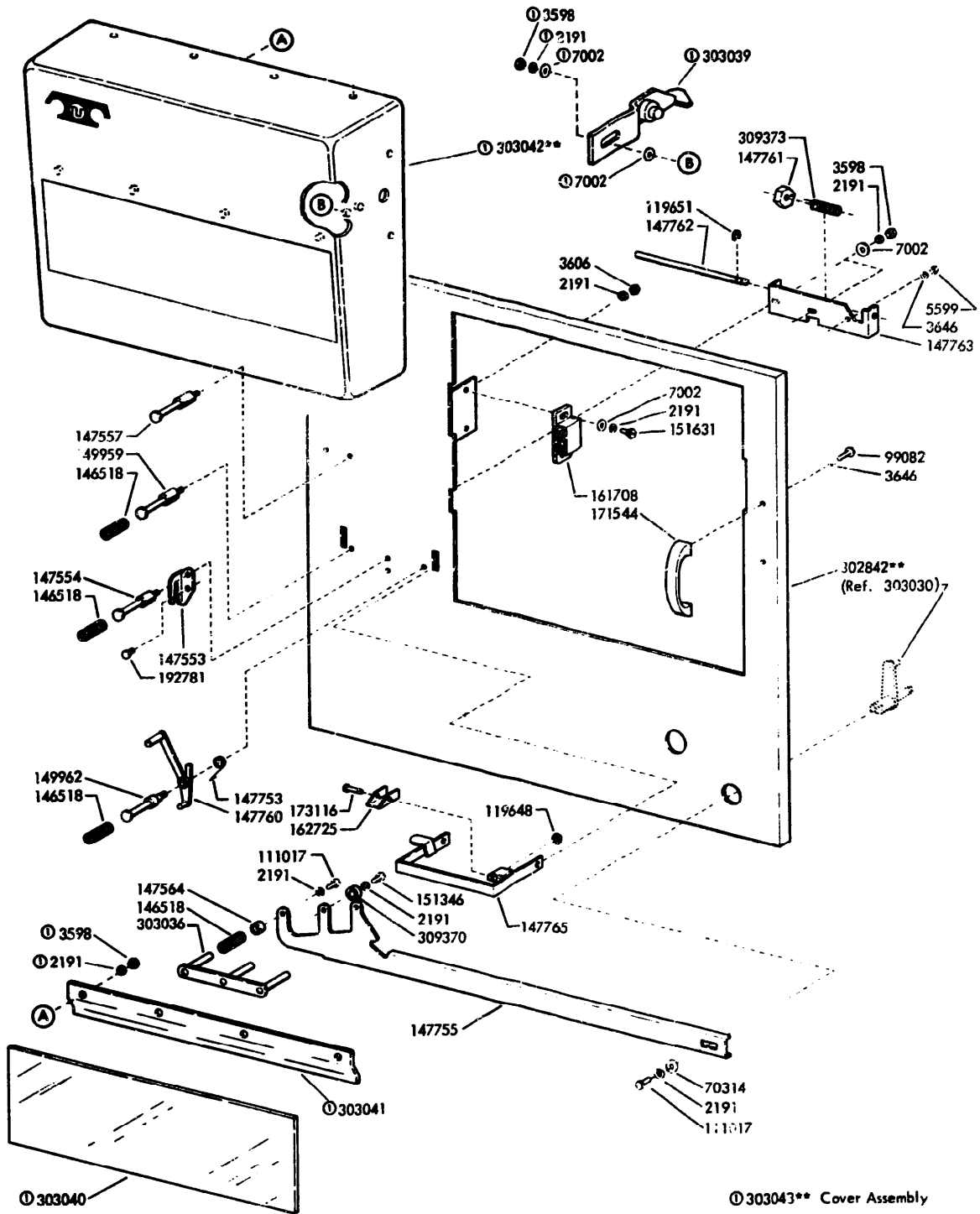
**Refer to page 1 for finish suffix

FIGURE 1. CABINET



**Refer to Page 1 for finish suffix

FIGURE 2. CABINET (Continued)



① 303043** Cover Assembly
**Refer to Page 1 for Finish Suffix

FIGURE 3. FRONT PANEL

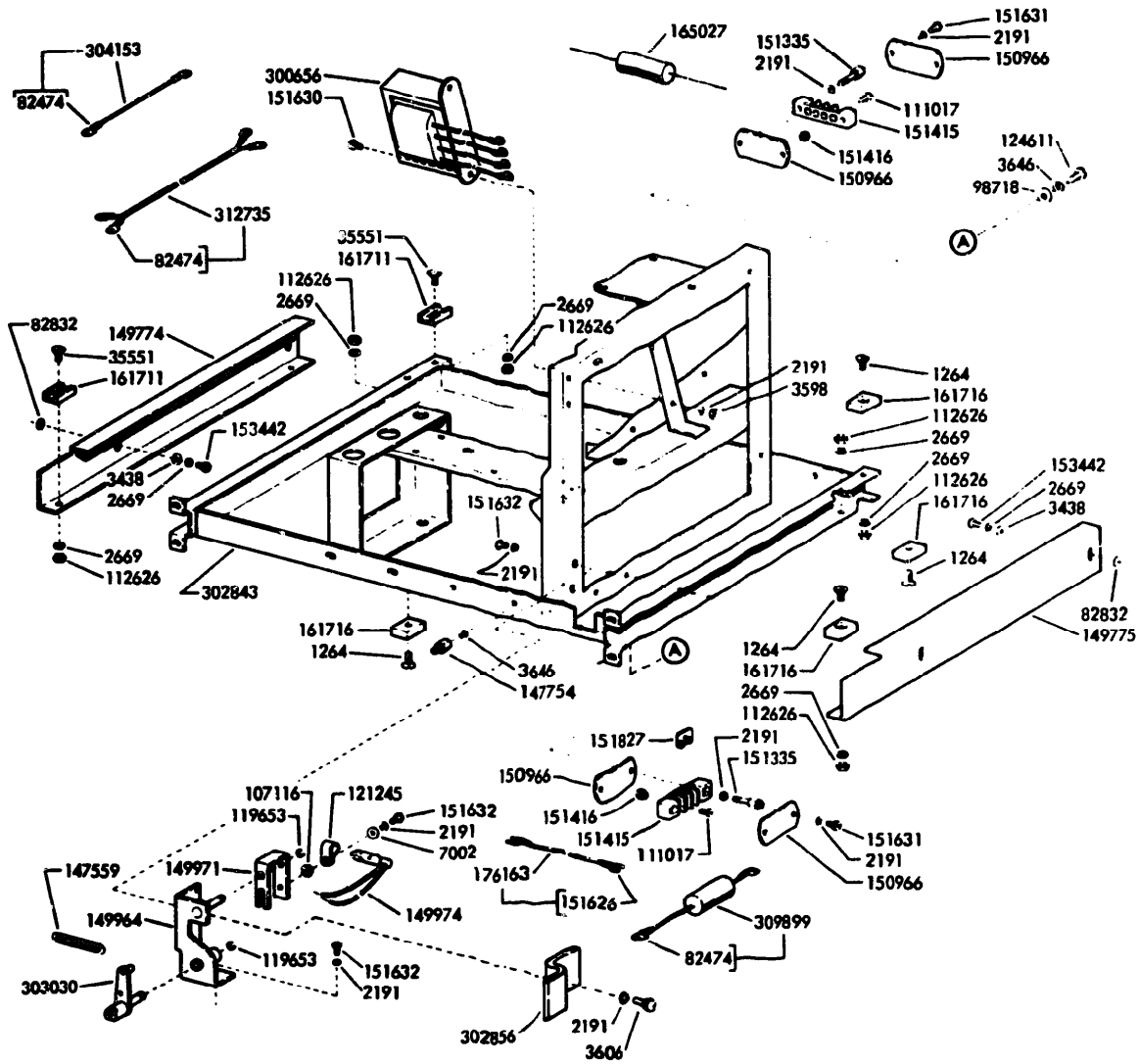


FIGURE 4. INNER FRAME AND CHANNELS

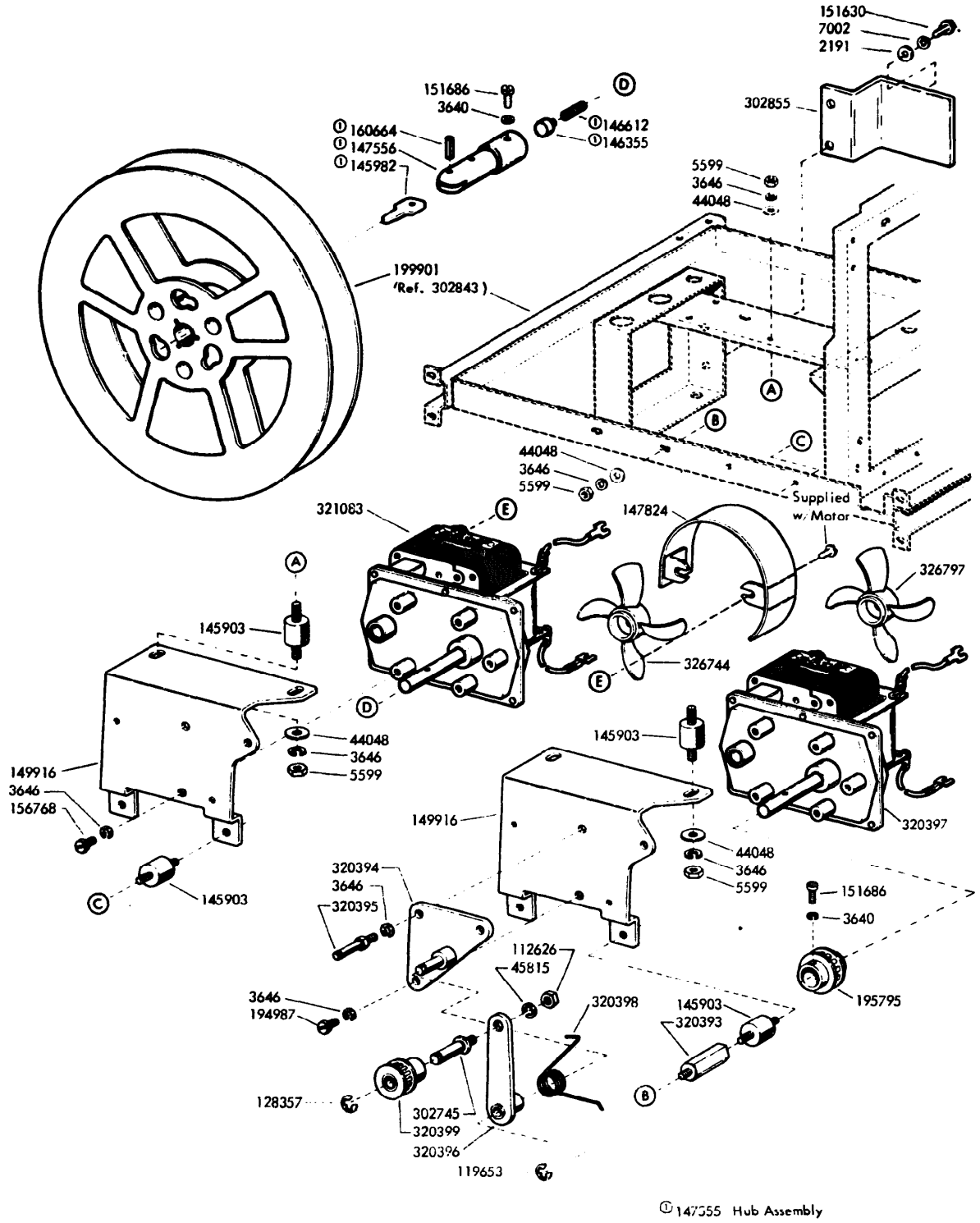


FIGURE 5. TAPE BACK-UP AND TAPE WINDER MOTORS

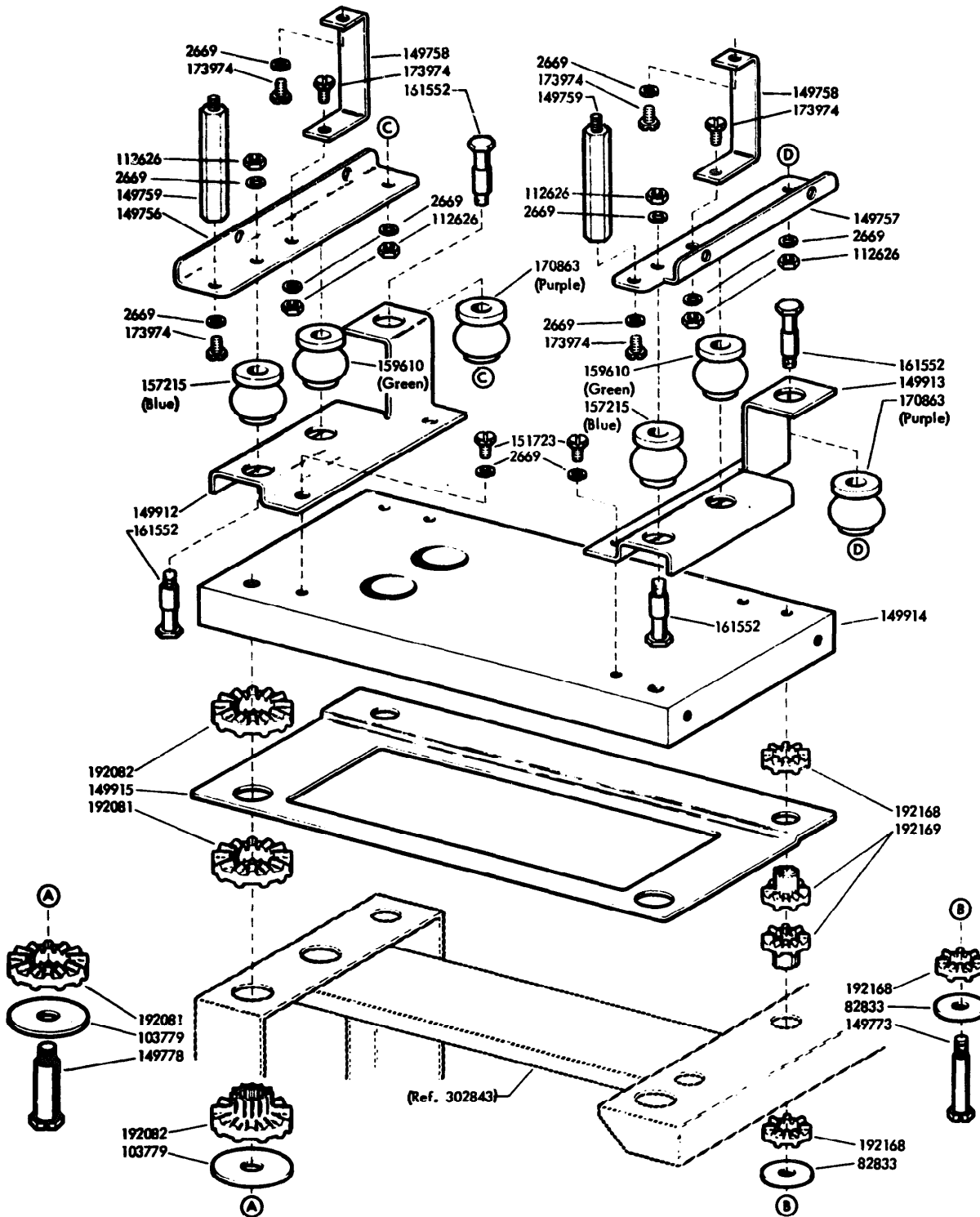


FIGURE 6. PUNCH MOUNTING PARTS

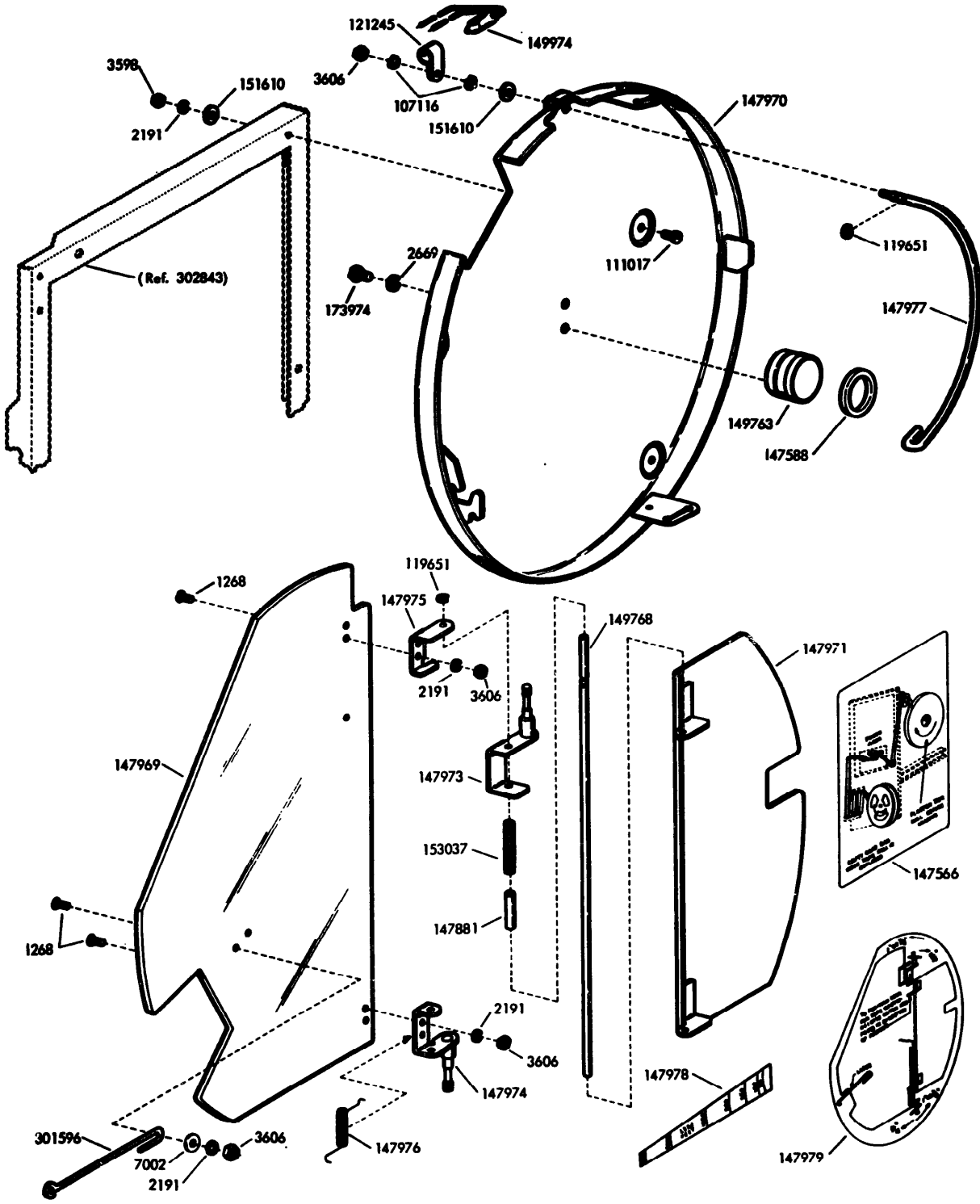


FIGURE 7. TAPE CONTAINER

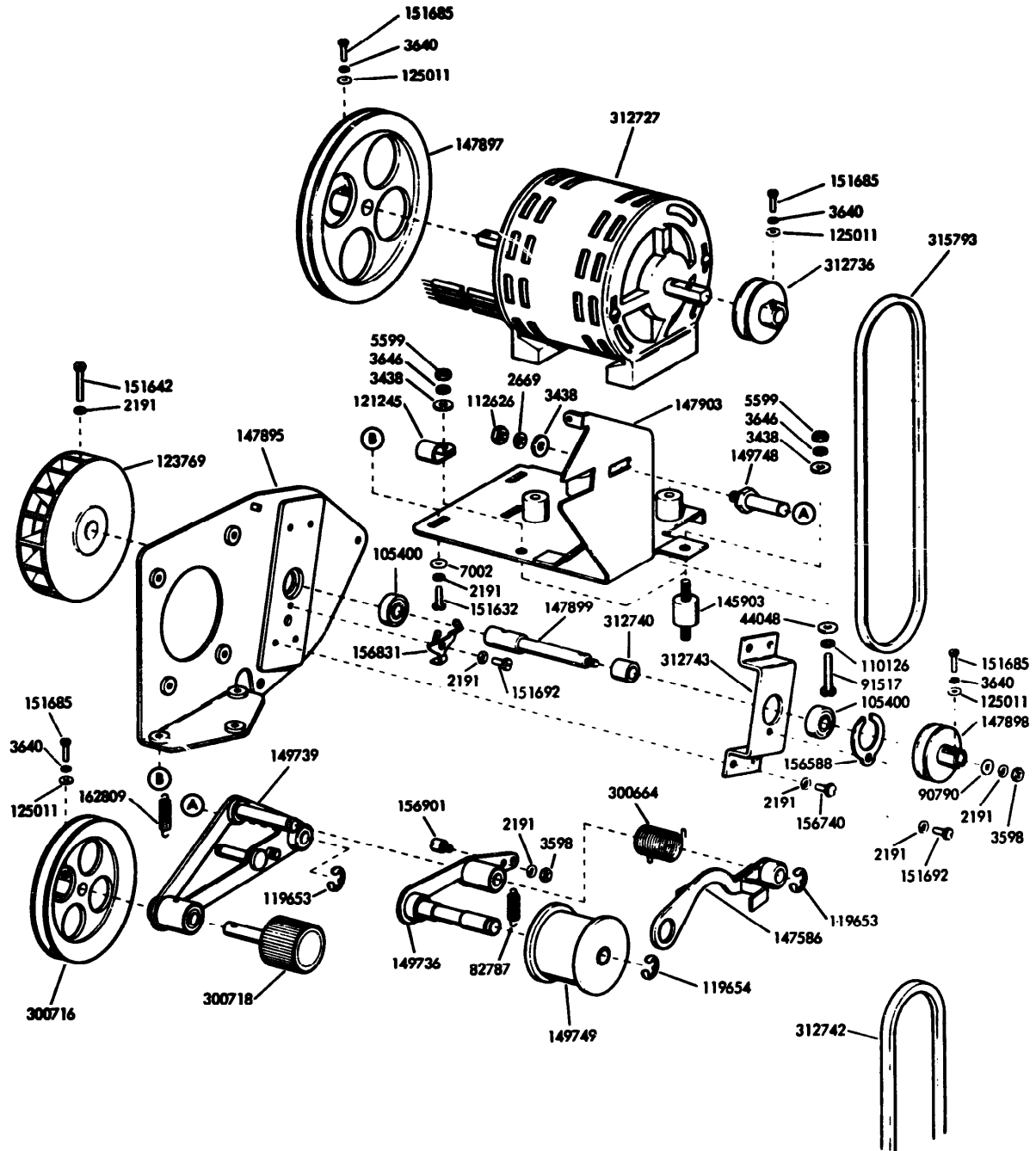


FIGURE 8. CHAD AND TAPE PULLER MECHANISM

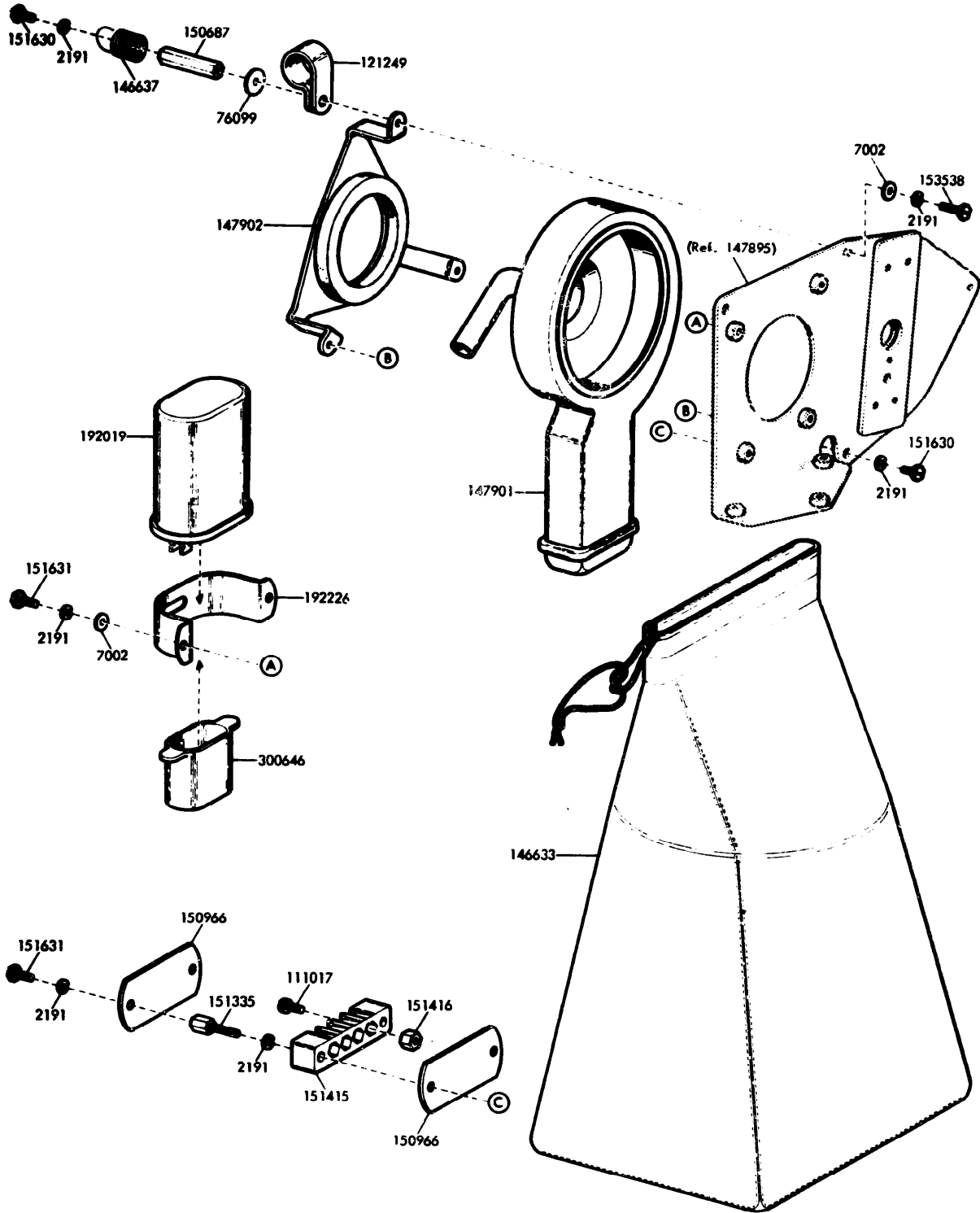
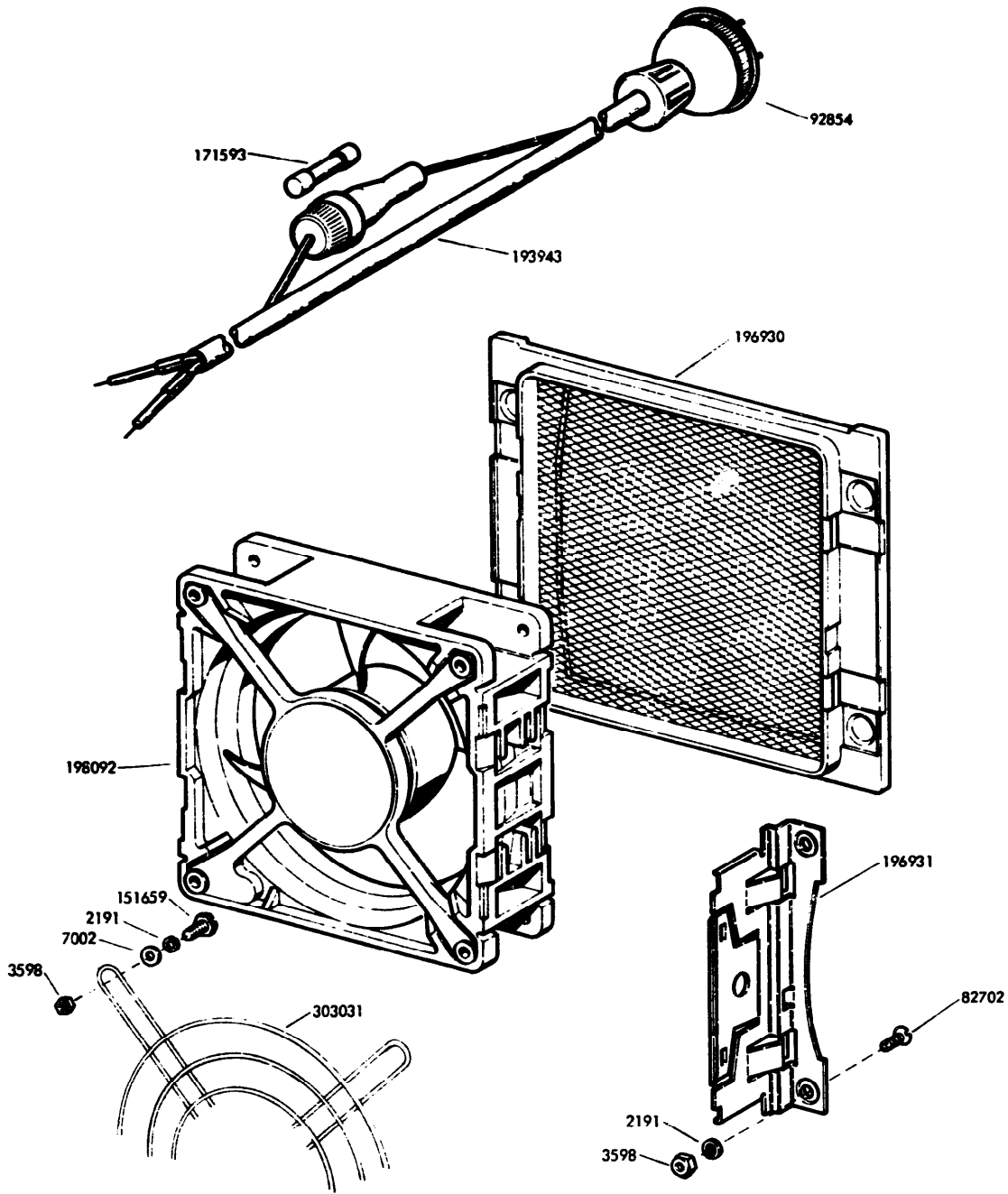


FIGURE 9. CHAD AND TAPE PULLER MECHANISM (Continued)



**Refer to Page 1 for Finish Suffix

FIGURE 10. FAN

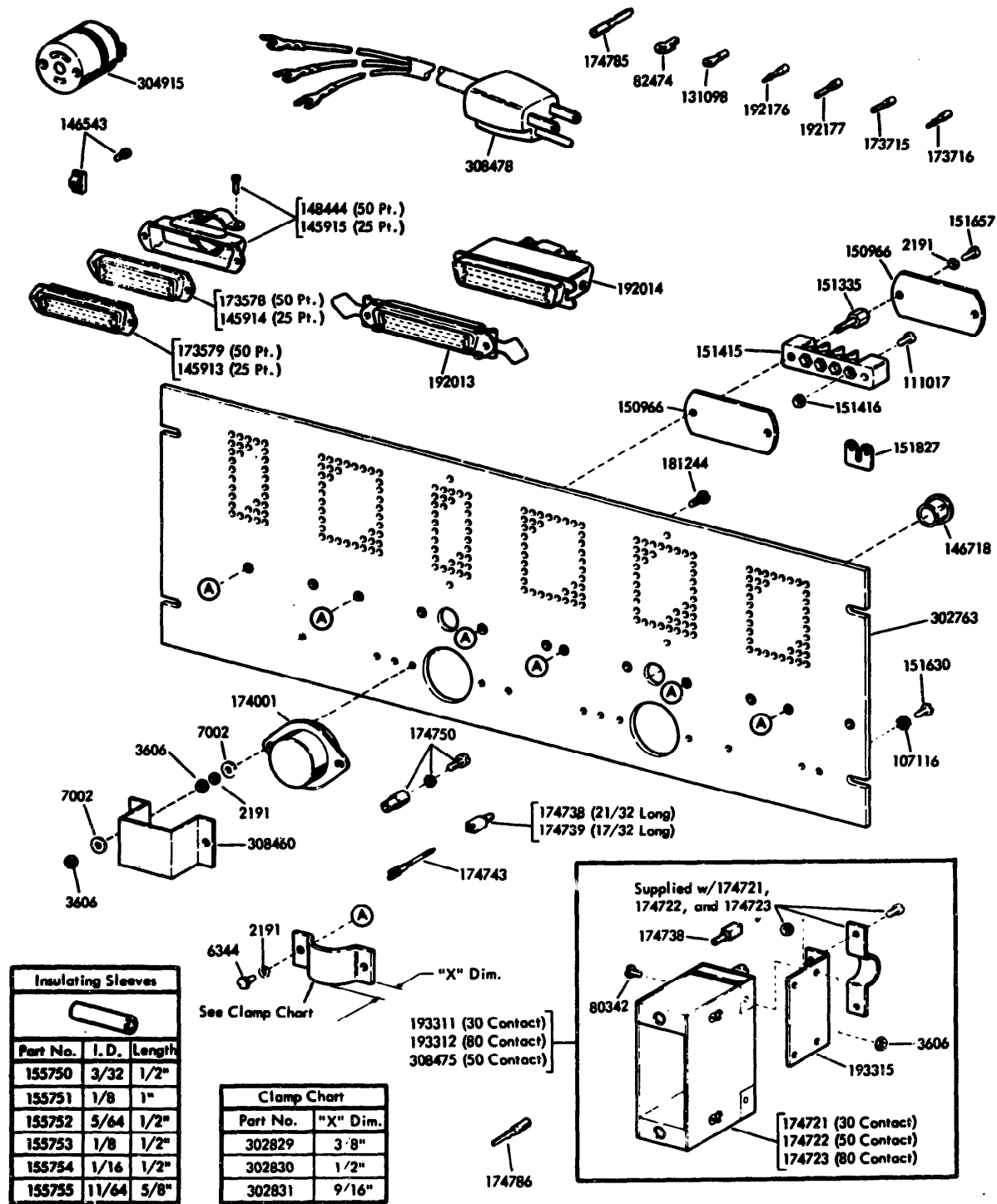


FIGURE 11. 302748 WIRING FIELD ASSEMBLY

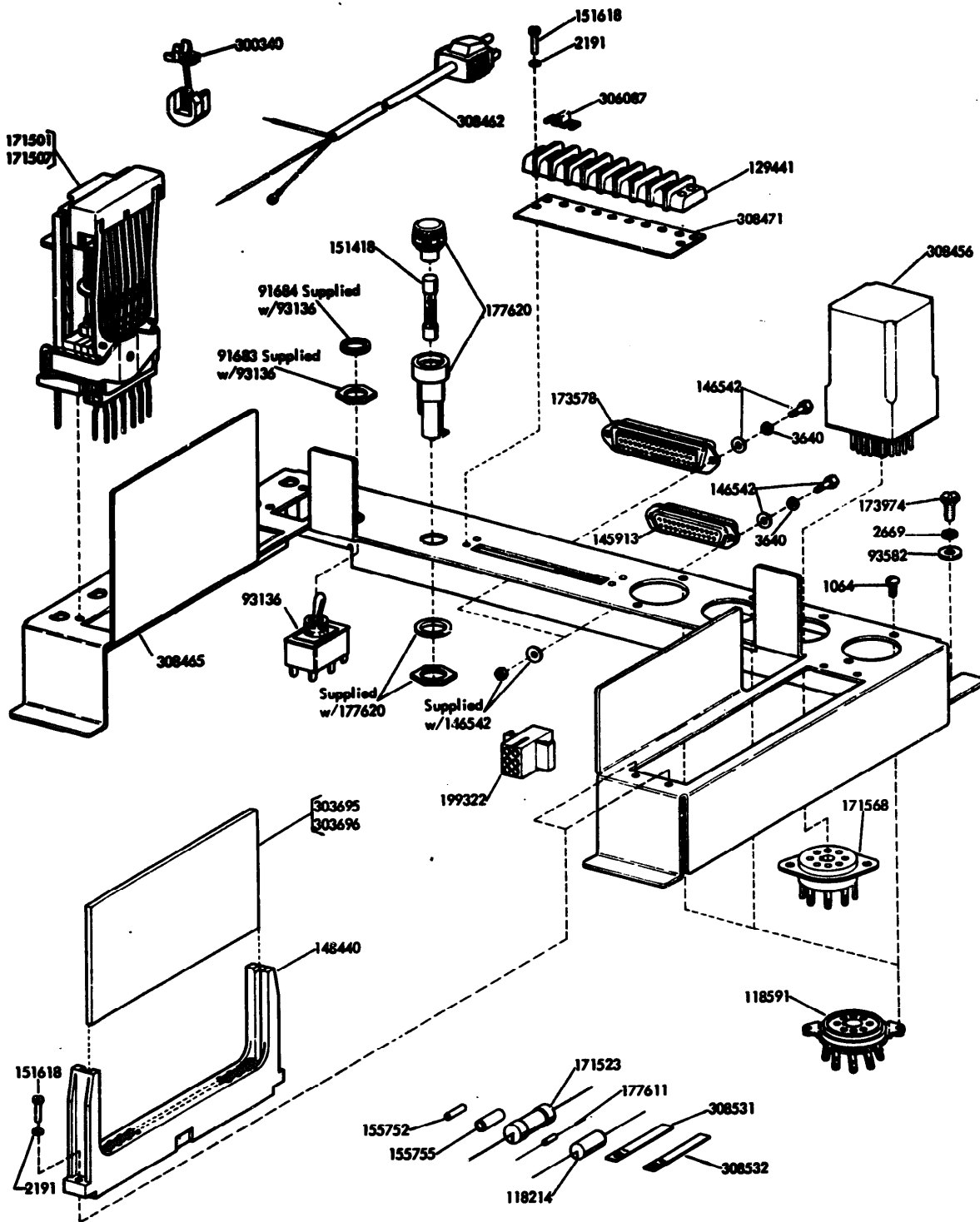


FIGURE 12. 308463 STATION CONTROL ASSEMBLY

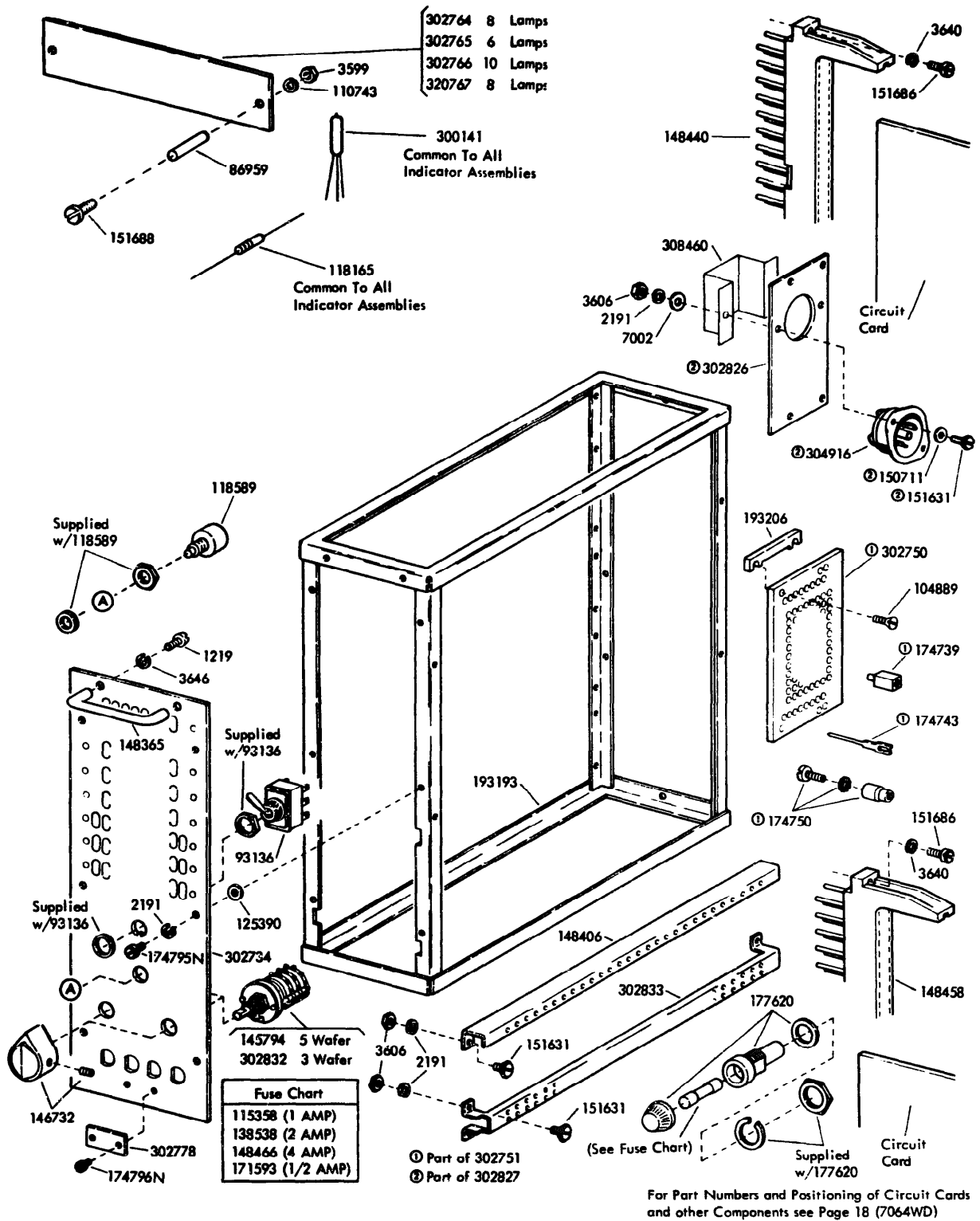


FIGURE 13. 302762 RECEIVER CONTROL MODULE (HSED)

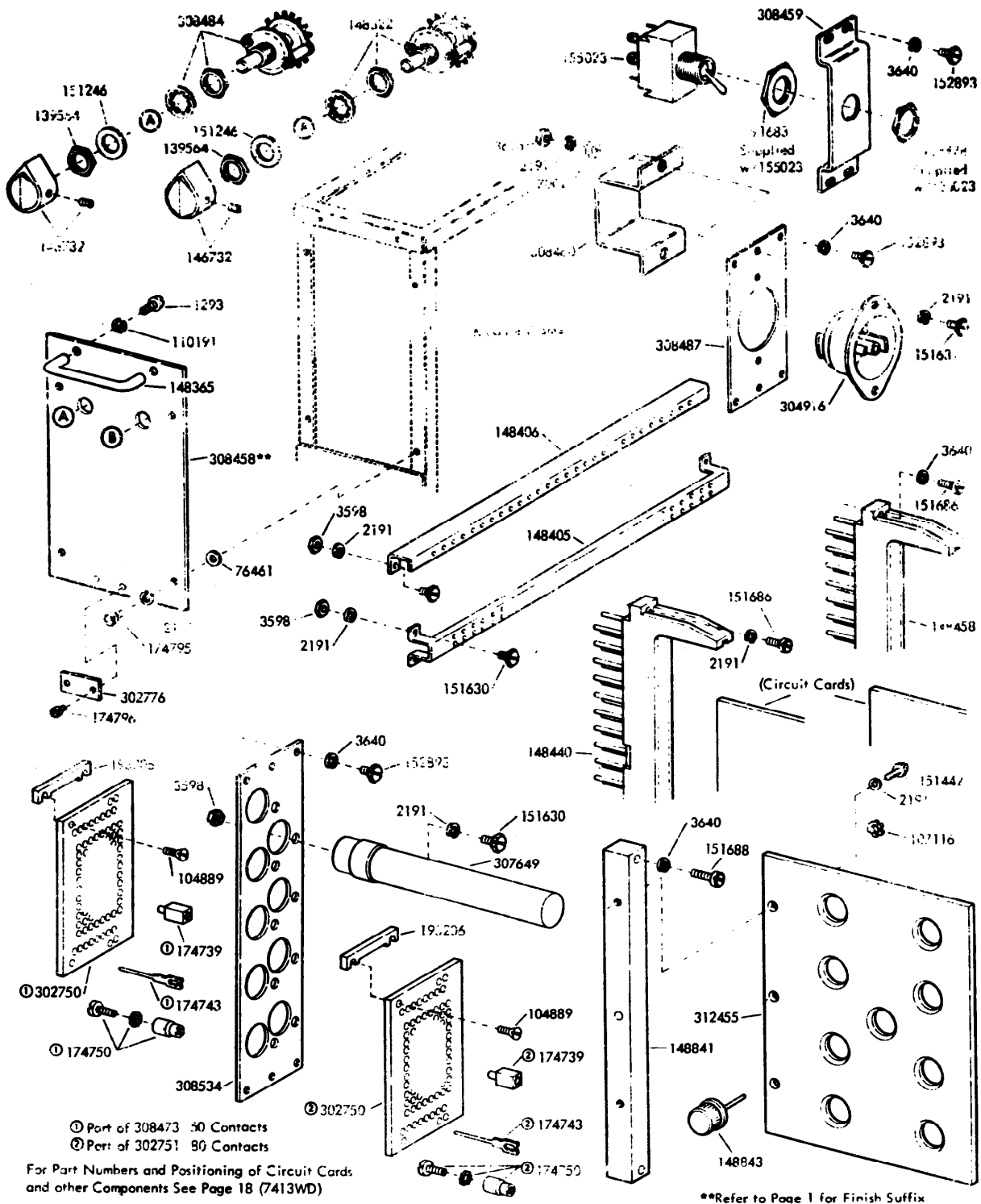
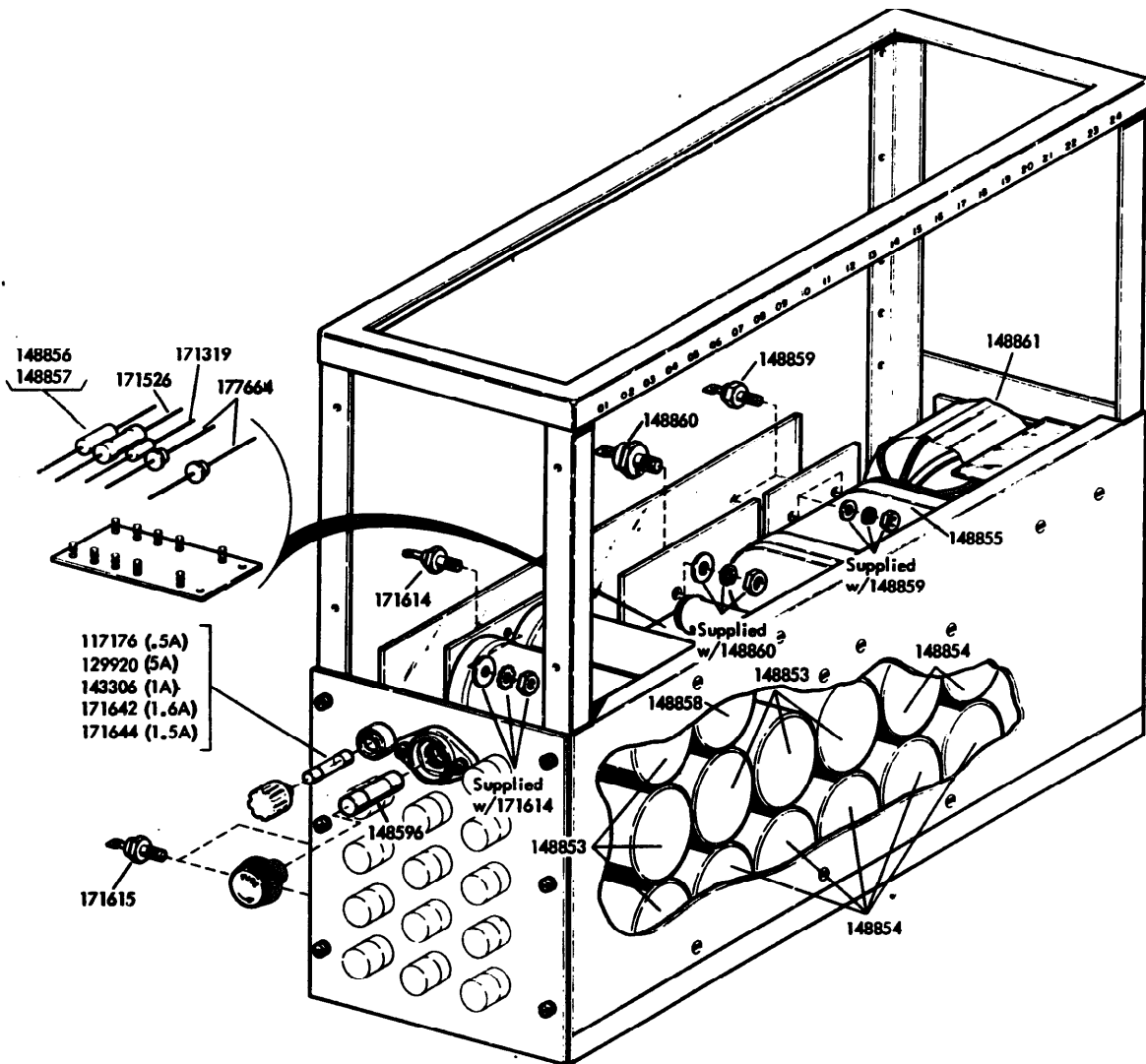


FIGURE 14. 308502** HIGH SPEED RECEIVER DISTRIBUTOR AND PUNCH DRIVER MODULE



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FIGURE 15. 308480** POWER SUPPLY (PART OF 308502** RECEIVER MODULE)

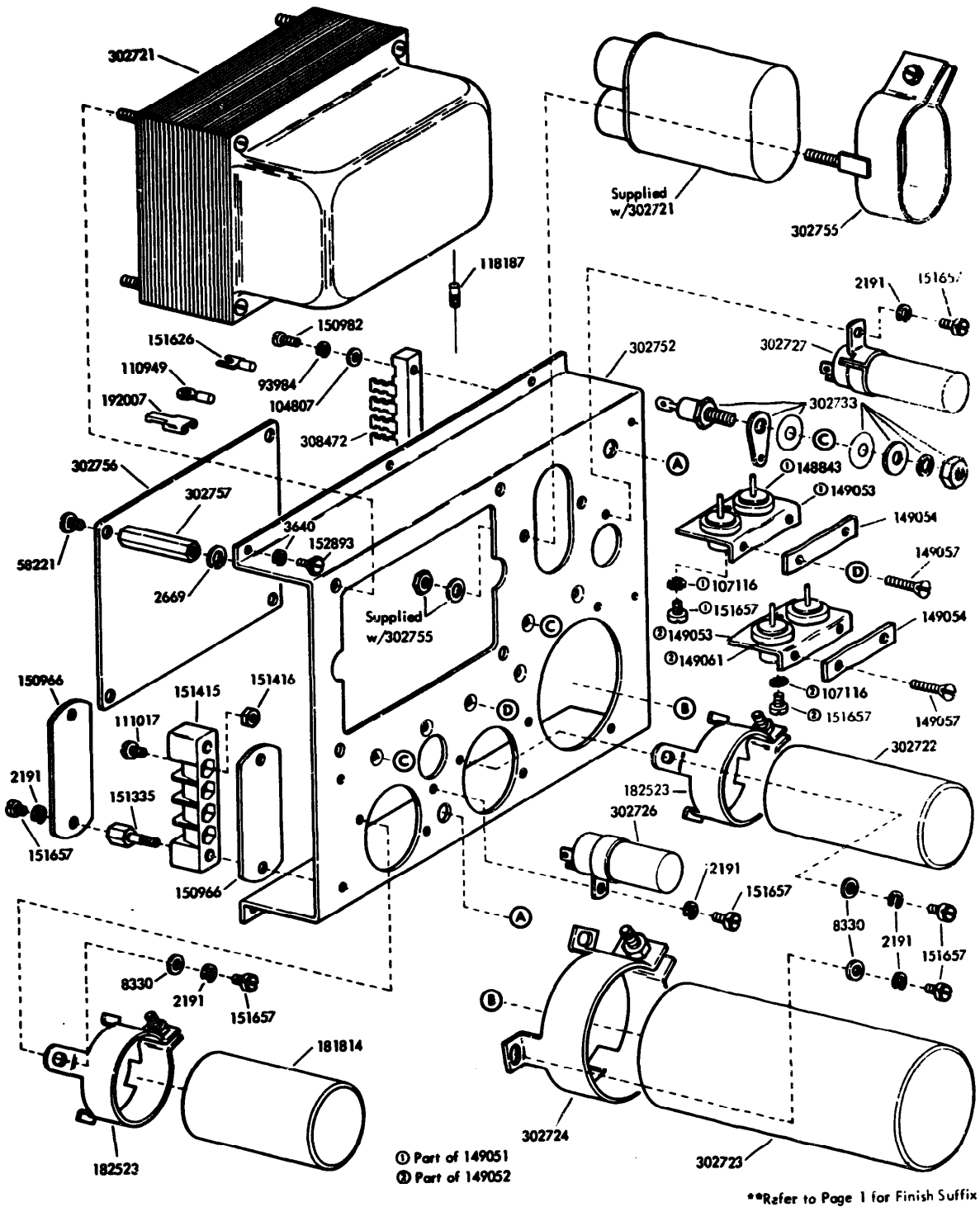


FIGURE 16. 302720 MULTI-VOLTAGE POWER SUPPLY (PART OF 308502** MODULE)

MODULE 302762

POSITION ON BRACKET														
Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1			172356	172356	177516	172357	177589	172383	177516	172352	172357	172457	172383	172356
2									303603	303640	303606	303606		
3														
4			172353	172353	172327	172327	172327	172353	172353	172327	172320	172320	172327	172320
5			177503	177589	177584	177581	172441	177504	177504	172457	177503	172356	172348	172426
6													172428	172441

302762 (Continued)

POSITION ON BRACKET														
Row	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1	172356	172356	172383	172357	172357	172382	172382	177597	172468	172382				302751
2	303601	303635	303679					303609	303606	303641				302827
3														
4	177546	177546	177501	177502	177502	177503	177502	177504	177504	177504	172383	177504	177504	149186
5														
6														

MODULE 308502**

POSITION ON BRACKET														
Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1			155023	303101	303119	172364	172406		177516	172428				
2		303693	303684	303671	303671	303671	303671	303606			303675	303672	303672	303672
3														
4														
5														

308502** (Continued)

POSITION ON BRACKET														
Row	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1							304916				308473			302751
2	303672	303672	303672	303672	303672	303672		148840						
3														
4														
5														

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FIGURE 17. 302762 AND 308502** POSITIONING REFERENCE CHARTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and page number
1064	Screw, 10-32 x 1/2 Rd 13	111017	Screw, 6-40 x 5/16 Fil 4, 5, 8, 10, 12, 17	147824	Shield, Fan 6
1170	Screw, 6-32 x 5/16 Flat 2			147881	Sleeve 8
1219	Screw, 8-32 x 5/16 Fil 14	112626	Nut, 10-32 Hex 5, 6, 7, 9	147895	Bracket w Plate 9, 10
1264	Screw, 10-32 x 1/2 Flat 5	114478	Nut, 15/32-32 Hex 15	147897	Pulley 9
1268	Screw, 6-40 x 5/16 Flat 8	115358	Fuse, 1 Amp	147898	Pulley 9
1291	Screw, 6-32 x 3/4 Flat 2	117176	Fuse, SL-BL .5 Amp 16	147899	Shaft 9
1293	Screw, 4-40 x 1/8 Fil 15	118165	Resistor, 470,000 Ohm 14	147901	Casing w Chere. Fan Wheel 10
2034	Washer, Flat 3	118187	Resistor, 27,000 Ohm 17	147902	Clamp w Gasket 10
2191	Washer, Lock 2 to 6, 8 to 15, 17	118214	Resistor, 27 Ohm 13	147903	Bracket, Motor Mounting 9
2669	Washer, Lock 5, 7, 8, 9, 13, 17	118589	Switch, Black Pushbutton 14	147909	Door, Plastic 8
3438	Washer, Flat 2, 5, 9	118591	Socket, Tube 13	147920	Container, Universal Tape 8
3598	Nut, 6-40 Hex 3, 4, 5, 8, 9, 11, 15	119637**	Button, Plug 2	147921	Cover, Rear Tape 8
3599	Nut, 4-40 Hex 14	119648	Ring, Retaining 4	147973	Pivot w Post, Sliding 8
3606	Nut, 6-40 Hex 4, 5, 8, 12, 14, 15	119651	Ring, Retaining 4, 8	147974	Bracket w Post, Pivot 8
3640	Washer, Lock 3, 6, 9, 13, 14, 15, 17	119653	Ring, Retaining 5, 6, 9	147975	Bracket, Hinge 8
3646	Washer, Lock 2, 4, 5, 6, 9, 14	119654	Ring, Retaining 9	147976	Spring, Torsion 8
5599	Nut, 8-32 Hex 4, 6, 9	121244	Clamp, 1/4 ID Cable 3	147977	Arm, Low Tape 8
6344	Screw, 6-32 x 11/32 Hex 12	121245	Clamp, 5/16 ID Cable 5, 8, 9	147978	Decalcomania 8
6345	Nut, 6-32 Hex 2	121249	Clamp, 5/8 ID Cable 10	147979	Decalcomania 8
7002	Washer, Flat 4, 5, 6, 8 to 12, 14, 15	123769	Fan, Motor 9	148322	Switch, Rotary 15
7664	Pin, Roll 2	124611	Screw, 8-32 x 3/8 Hex 2, 5	148365	Handle 14, 15
8330	Washer, Flat 17	125011	Washer, Flat 9	148405	Bracket 15
35551	Screw, 10-32 x 3/8 Flat 5	125390	Washer, Flat 14	148406	Bracket 14, 15
44048	Washer, Flat 6, 9	125802	Washer, Flat 2	148440	Connector, 36 Pt Circuit Card 13, 14, 15
45815	Washer, Lock 6	128357	Ring, Retaining 6	148444	Clamp, Cable 12
58221	Screw, 6-32 x 1/4 Fil 17	128913	Screw, 8-32 Self Tapping 3	148458	Connector, 15 Pt Circuit Card 14, 15
70314	Washer, Flat 4	129441	Block, Terminal 13	148466	Fuse, 4 Amp 14
76059	Washer, Flat 10	129920	Fuse, SL-BL 5 Amp 16	148596	Fuse, SL-BL 25 Amp 16
76461	Washer, Flat 15	131098	Terminal 12	148840	Resistor, 5 Ohm 18
80342	Screw, 6-40 x 23/64 Hex 12	138538	Fuse, SL-BL 2 Amp 14	148841	Bar, Mounting 15
82474	Terminal 5, 12	139564	Nut, 3/8-32 Hex 15	148843	Rectifier 15, 17
82702	Screw, 6-40 x 9/32 Flat 11	143306	Fuse, SL-BL 1 Amp 16	148853	Capacitor, 36.00 MFD 16
82787	Spring 9	145794	Switch, Rotary 14	148854	Capacitor, 3,750 MFD 16
82832	Washer, Lock 5	145903	Mount, Vibration 6, 9	148855	Capacitor, 5 MFD 16
82833	Washer, Flat 7	145913	Connector, 25 Pt Receptacle Type 12, 13	148856	Resistor, 30 Ohm 16
86959	Bushing, Insulating 14	145914	Connector, 25 Pt Plug Type 12	148857	Resistor, 20 Ohm 16
90790	Washer, Flat 9	145915	Clamp, Cable 12	148858	Capacitor, 10.00 MFD 16
91517	Screw, 8-32 x 3/4 Rd 9	145982	Detent, Tape Reel 6	148859	Diode 16
91683	Nut, 15/32-32 Hex 13, 15	146355	Plunger 6	148860	Diode 16
91684	Nut, 15/32-32 Ring 13	146518	Roller, Spring 4	148861	Transformer 16
92854	Connector, 2 Pt Plug 11	146542	Post Assembly 13	149051	Rectifier Assembly 17
93136	Switch, DP-DT Toggle 13, 14	146543	Screw Assembly 12	149052	Rectifier Assembly 17
93582	Washer, Flat 13	146612	Spring, Compression 6	149053	Plate, Rectifier 17
93984	Washer, Lock 17	146633	Bag, Chad 10	149054	Insulator 17
98718	Washer, Flat 5	146637	Clip, Spring 10	149057	Screw, Nylon 4-40 x 1/2 Flat 17
99082	Screw, 8-32 x 11/16 Hex 4	146718	Bushing, Snap 12	149061	Rectifier 17
103779	Washer, Flat 7	146732	Knob, Pointer 14, 15	149186	Board, TB16a Terminal 18
104215	Resistor, 620 Ohm 3	147553	Bracket, Guide 4	149736	Lever 9
104216	Resistor, 820 Ohm 3	147554	Post, Tape Guide 4	149739	Lever 9
104807	Washer, Flat 17	147555	Hub Assembly 6	149748	Post 9
104889	Screw, 4-40 x 7/16 Flat 14, 15	147556	Hub 6	149749	Roller, Tape Feed 9
105400	Bearing, Ball 9	147557	Post, Tape Guide 4	149756	Rail, Left Mounting 7
107116	Washer, Lock 3, 5, 8, 12, 15, 17	147559	Spring 5	149757	Rail, Right Mounting 7
107364	Screw, 6-32 x 3/8 Fil 3	147564	Bushing 4	149758	Bracket 7
110126	Washer, Lock 9	147566	Decalcomania 8	149759	Post 7
110191	Washer, Lock 3, 15	147586	Lever w Hub 9	149763	Post 7
110743	Washer, Lock 2, 14	147588	Sleeve 8	149768	Pin, Hinge 8
110949	Terminal 17	147589	Spring, Torsion 4	149773	Screw, 10-32 Shoulder 7
		147753	Post, Spring 5	149774	Channel, Left 5
		147754	Arm, Tape Sensing 4	149775	Channel, Right 5
		147755	Latch w Post 4	149778	Screw, 1/4-32 Shoulder 7
		147760	Anchor, Spring 4	149785	Cabinet 2
		147761	Shaft 4	149912	Bracket, Left 7
		147762	Bracket 4	149913	Bracket, Right 7
		147763	Bail w Lever 4		
		147765			

*Refer to Page 1 for Finish Suffix

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Parr Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
149914	Plate, Vibration Dampener 7	161708	Latch, Magnetic 2, 4	177546	Card, EC546 Circuit 18
149915	Plate, Support 7	161711	Block, Guide 5	177581	Card, EC581 Circuit 18
149916	Bracket, Motor Mounting 6	161716	Block, Support 5	177584	Card, EC584 Circuit 18
149959	Post, Tape Guide 4	162725	Depressor, Chad 4	177589	Card, EC589 Circuit 18
149962	Post, Tape Guide 4	162809	Spring 9	177597	Card, EC597 Circuit 18
149964	Bracket 5	165027	Network, Spark Suppression 5	177611	Rectifier 13
149971	Bail 5	165116	Terminal 3	177620	Holder, Fuse 13, 14
149974	Switch, Mercury 5, 8	170863	Mount, Vibration 7	177664	Diode 16
150687	Stud 10	171319	Resistor, 50 Ohm 16	180569	Spring, Compression 2
150711	Washer, Flat 14	171501	Relay 13	181244	Screw w/Lockwasher, 6-40 x 7/16 Hex 12
150966	Insulator, Terminal 5, 10, 12, 17	171507	Relay 13	181814	Capacitor, 250 MFD 17
150982	Screw, 4-40 x 7/16 Fil 17	171523	Resistor, 500 Ohm 13	182523	Clamp, 1-3/8" ID Mounting 17
151246	Washer, Flat 15	171526	Resistor, 1,500 Ohm 16	182524	Button Assembly 3
151335	Stud 5, 10, 12, 17	171544	Handle, 2-3/4" Lg 4	182530	Strip Assembly, Lamp 3
151346	Screw, 6-40 x 3/8 Fil 4	171568	Socket, 11 Pt 13	182584	Key Assembly 3
151415	Block, Terminal 5, 10, 12, 17	171593	Fuse, .5 Amp 11, 14	182684	Strap 3
151416	Nut, 6-40 Hex 5, 10, 12, 17	171614	Diode 16	192007	Terminal, Tab Type 17
151418	Fuse, 10 Amp 13	171615	Diode 16	192013	Connector, 50 Pt Plug Type 12
151442	Screw, 6-40 x 1/2 Hex 15	171642	Fuse, SL-8L 1.6 Amp 16	192014	Connector, 50 Pt Receptacle Type 12
151610	Washer, Flat 8	171644	Fuse, 1.5 Amp 16	192019	Capacitor, 3 MFD 10
151618	Screw, 6-40 x 7/16 Fil 13	172320	Card, EC320 Circuit 18	192081	Ring 7
151626	Terminal 5, 17	172327	Card, EC327 Circuit 18	192082	Bushing 7
151630	Screw, 6-40 x 1/4 Hex 5, 6, 10, 12, 15	172348	Card, EC348 Circuit 18	192168	Ring 7
151631	Screw, 6-40 x 5/16 Hex 3, 4, 5, 10, 14, 15	172352	Card, EC352 Circuit 18	192169	Bushing 7
151632	Screw, 6-40 x 3/8 Hex 5, 9	172353	Card, EC353 Circuit 18	192176	Terminal, Plug Type 12
151642	Screw, 6-40 x 3/4 Fil 9	172356	Card, EC356 Circuit 18	192177	Terminal, Receptacle Type 12
151657	Screw, 6-40 x 1/4 Fil 12, 17	172357	Card, EC357 Circuit 18	192226	Bracket, Capacitor Mounting 10
151659	Screw, 6-40 x 1/2 Fil 11	172364	Card, EC364 Circuit 18	192781	Screw, 6-40 Spl 4
151685	Screw, 4-40 x 5/16 Fil 3, 9	172382	Card, EC382 Circuit 18	193179	Lamp, 28V 3
151686	Screw, 4-40 x 3/8 Fil 6, 14, 15	172383	Card, EC383 Circuit 18	193193	Frame 14
151687	Screw, 4-40 x 7/16 Fil 2	172406	Card, EC406 Circuit 18	193206	Spacer 14, 15
151688	Screw, 4-40 x 5/8 Fil 14, 15	172426	Card, EC426 Circuit 18	193311	Connector Assembly 12
151692	Screw, 6-40 x 3/16 Fil 9	172428	Card, EC428 Circuit 18	193312	Connector Assembly 12
151722	Screw, 6-40 x 3/16 Hex 3	172441	Card, EC441 Circuit 18	193315	Bracket, Connector 12
151723	Screw, 10-32 x 3/8 Hex 7	172457	Card, EC457 Circuit 18	193943	Cable Assembly 11
151827	Strap, Terminal 5, 12	172468	Card, EC468 Circuit 18	194987	Screw, 8-32 x 3/8 Hex 6
152893	Screw, 4-40 x 1/4 Hex 15, 17	172715	Screw, 10-24 Captive 2	195795	Pulley, 16T 6
153037	Spring 8	172763	Nut, Grip 2	196930	Grille 11
153103	Screw, 4-40 Self-Tapping 3	173116	Pin 4	196931	Clip 11
153442	Screw, 10-32 x 1/2 Hex 5	173578	Connector, 50 Pt Receptacle Type 12, 13	198092	Fan 11
153538	Screw, 6-40 x 7/16 Hex 10	173579	Connector, 50 Pt Plug Type 12	199322	Connector, 6 Pt Receptacle Type 13
155023	Switch, DP-DT Toggle 15, 18	173715	Terminal, Plug Type 12	199549	Lamp, 48V 3
155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 12	173716	Terminal, Receptacle Type 12	199901	Reel, Tape 6
155751	Sleeve, 1/8 ID x 1" Lg Insulating 12	173974	Screw, 10-32 x 5/16 Hex 7, 8, 13	300141	Triode, Indicating 14
155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 3, 12, 13	174001	Connector, 3 Pt Receptacle 12	300340	Bushing 13
155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 12	174678	Nut, Speed 3	300646	Boot, Rubber 10
155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 12	174721	Connector, 30 Pt Plug Type 12	300656	Transformer 5
155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 3, 12, 13	174722	Connector, 50 Pt Plug Type 12	300664	Spring, Torsion 9
156588	Ring, Retaining 9	174723	Connector, 80 Pt Plug Type 12	300716	Pulley, V Belt 9
156740	Screw, 6-40 x 7/32 Hex 9	174738	Insulator, White 12	300718	Driver, Roller 9
156768	Screw, 8-32 x 9/32 Hex 6	174739	Insulator, White 12, 14, 15	301596	Latch, Door 8
156831	Clamp 9	174743	Terminal, Plug Type 12, 14, 15	302720	Power Supply 1, 17
156901	Post, Eccentric 9	174750	Key Assembly, Locating 12, 14, 15	302721	Transformer 17
157215	Mount, Vibration 7	174785	Terminal, Plug Type 12	302722	Capacitor, 2,500 MFD 17
159610	Mount, Vibration 7	174786	Terminal, Plug Type 12	302723	Capacitor, 17,000 MFD 17
160664	Pin, Roll 6	174795N	Screw, 6-40 x 1/4 Fil 14, 15	302724	Clamp, Capacitor 17
161552	Screw, 10-32 Spl 7	174796N	Screw, 2-56 x 5/64 Fil 14, 15	302726	Resistor, 7.5 Ohm 17
		176163	Jumper, 18" Black 5	302727	Resistor, 7.5-70 Ohm 17
		177501	Card, EC501 Circuit 18	302733	Diode 17
		177502	Card, EC502 Circuit 18	302734	Plate, Front 14
		177503	Card, EC503 Circuit 18	302745	Stud 6
		177504	Card, EC504 Circuit 18	302748	Field Assembly, Wiring 1, 12
		177516	Card, EC516 Circuit 18	302750	Plate, Connector 14, 15

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
302751	Plate Assembly, 80 Pt Connector 14, 15, 18	302856	Bracket 5	308478	Cord, Power 12
302752	Chassis, Power Supply 17	303030	Lever w/Shaft 4, 5	308480**	Power Supply 1, 16
302755	Clamp, Capacitor 17	303031	Guard, Fan 11	308484	Switch, Rotary 15
302756	Plate, Insulator 17	303036	Plate w/Post 4	308487	Plate, Mounting 15
302757	Post 17	303039	Spring, Latch 4	308491	Switch, Pushbutton 3
302762	Module 1, 14, 18	303040	Window 4	308494	Switch, Pushbutton 3
302763	Plate Assembly, Connector 12	303041	Clamp 4	308495	Lens, White 3
302764	Indicator Assembly 14	303042**	Cover 4	308496	Lens, Red 3
302765	Indicator Assembly 14	303043**	Cover Assembly 4	308499	Lens, Yellow 3
302766	Indicator Assembly 14	303101	Card, EC101 Circuit 18	308502**	Module 1, 15, 16, 17, 18
302767	Indicator Assembly 14	303119	Card, EC119 Circuit 18	308531	Strip, Identification 13
302776	Plate, Identification 15	303601	Card, EC601 Circuit 18	308532	Strip, Identification 13
302778	Plate, Identification 14	303603	Card, EC603 Circuit 18	308534	Bracket 15
302791	Screw, 4-40 Shoulder 3	303606	Card, EC606 Circuit 18	308543	Bracket 3
302794	Holder, Plastic 3	303609	Card, EC609 Circuit 18	308544	Insulator 3
302795	Label 3	303635	Card, EC635 Circuit 18	309370	Button 4
302805	Plate, Switch 3	303640	Card, EC640 Circuit 18	309373	Spring, Torsion 4
302806**	Panel, Control 3	303641	Card, EC641 Circuit 18	309899	Network, Spark Suppression 5
302808**	Panel, Cover 3	303671	Card, EC671 Circuit 18	312455	Plate, Diode 15
302812**	Door, Front 2	303672	Card, EC672 Circuit 18	312727	Motor, 115V 60 50 Cycle, 1500 1200 RPM Induction 9
302814**	Panel, Rear 2	303675	Card, EC675 Circuit 18	312735	Cable w Terminals 5
302815	Strip, Rubber 3	303679	Card, EC679 Circuit 18	312736	Pulley 9
302816**	Rack, Mounting 3	303684	Card, EC684 Circuit 18	312740	Spacer 9
302817**	Retainer 3	303693	Card, EC693 Circuit 18	312742	Belt, V 9
302818**	Panel 3	303695	Card, EC695 Circuit 13	312743	Bracket, Bearing 9
302819**	Tray 2	303696	Card, EC696 Circuit 13	315675	Collar 2
302822	Plate, Name 3	304153	Jumper, 6" Black 5	315793	Belt, V 9
302823	Plate, Name 3	304915	Connector, 2 Pt Receptacle 12	320393	Post 6
302826	Plate 14	304916	Connector, 2 Pt Plug 14, 15, 18	320394	Plate, Pivot 6
302827	Plate Assembly 14, 18	306087	Jumper 13	320395	Post, Spring 6
302829	Clamp, Cable 12	307649	Resistor, 5 Ohm 15	320396	Arm, Pivot 6
302830	Clamp, Cable 12	308456	Relay 13	320397	Motor 6
302831	Clamp, Cable 12	308458**	Plate, Front 15	320398	Spring, Torsion 6
302832	Switch, Rotary 14	308459	Bracket, Mounting 15	320399	Sprocket, Timing 6
302833	Bracket 14	308460	Cover 12, 14, 15	321083	Motor, 115V 90 107 RPM Gear Reducer 6
302842**	Panel, Front 4	308462	Cord, 144" Power 13	326744	Fan, Motor 6
302843	Frame, Inner 5, 6, 7, 8	308463	Control Assembly, Station 1, 13	326797	Fan, Motor 6
302846	Bracket, Right 2	308465	Chassis 13		
302847	Bracket, Left 2	308471	Insulator 13		
302848	Bracket 2	308472	Board, Terminal 17		
302849	Post 2	308473	Plate Assembly, 50 Pt Connector 15, 18		
302855	Shield, Fan 6	308475	Connector Assembly 12		

**Refer to Page 1 for Finish Suffix

HIGH SPEED TAPE RECEIVER CABINETS (AC) AND MODULES

PARTS

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Cabinet And Components	2	10	147848 (60 HZ) And 147849 (50 HZ)	
2	Cabinet And Components (Continued)	3		Power Supply (Port Of 147830**, 147831** And 323930 Punch	
3	Front Panel	4		Driver Assemblies See Figure 13)	11
4	147833 Electrical Service Panel	5	11	147850** (60 HZ) 147851** (50 HZ)	
5	Inner Frame And Tape Winder	6		Power Supply (Port of 147840**, 147641**, And 323940 Punch	
6	Chad And Tape Puller Mechanism	7		Driver Assemblies See Figure 13)	12
7	Chad And Tape Puller Mechanism (Continued)	8	12	Frame Assembly	12
8	Punch Mounting Parts	9	13	Punch Driver Assemblies	13
9	Tape Container	10	14	312731** Tape Transport Adaptor Assembly	14
			15	Cable Components	15
			16	Punch Cover	15

PAINT FINISH COLOR CODE CHART (for parts and assemblies requiring a paint finish)									
Color	Finish Suffixes				Color	Finish Suffixes			
	Wrinkle Finish	Smooth Finish	Textured Vinyl	Smooth Vinyl		Wrinkle Finish	Smooth Finish	Textured Vinyl	Smooth Vinyl
Beige		ET			Gray, Federal		BV	GG	
Beige, Light		EL		HC	Gray, Green	AB (40)	BK	GA (45)	
Beige, Rose		ER			Gray, Light		EJ		HB (68)
Black	AA (37)				Gray, Covert				HE
Black, High Gloss		BA (34)			Gray, Olive		EW	GE	HF (46)
Black, Semi Gloss		BB			Gray, Maritime Deck	AJ	BJ		
Blue, Aqua		EK			Gray, Oxford		EP		
Blue, Brussels Light		EC			Green, Gray	AB (40)	BK	GA (45)	
Blue, Medium		ES			Green, Moss		EN		HD
Brown, Dark	AD (38)				Ivory		EM		
Brown, Light	AC (39)				Pink, Rose		EU		
Fawn				HG	Turquoise		EV		
Gray, Beige			GC		White		EH		
Gray, Charcoal	AL	BZ	GF	HA	Yellow, Pastel		EG		
Gray, Dark			GB						

The double asterisk (**) denotes a painted part. Suffix to be applied following the part number.
Number in parentheses indicates Bell System code.

NOTE:

When ordering parts from this section prefix each number with the letters TP.

MULTI-COLOR APPARATUS COLOR CODES							
MA		MB		MC		MH	
HG	HC	HE	HB	HD	HB	BJ	EJ

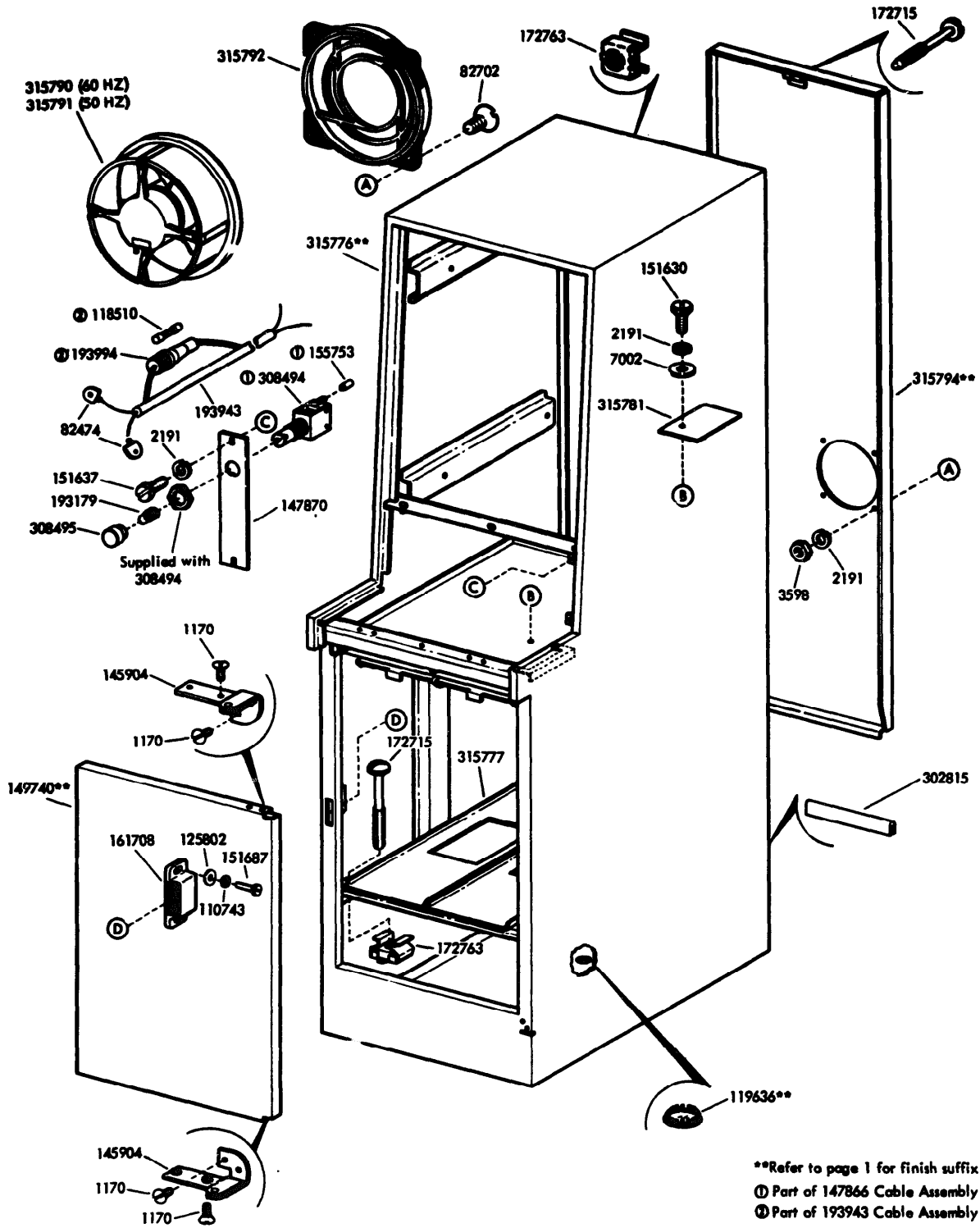


FIGURE 1. CABINET AND COMPONENTS

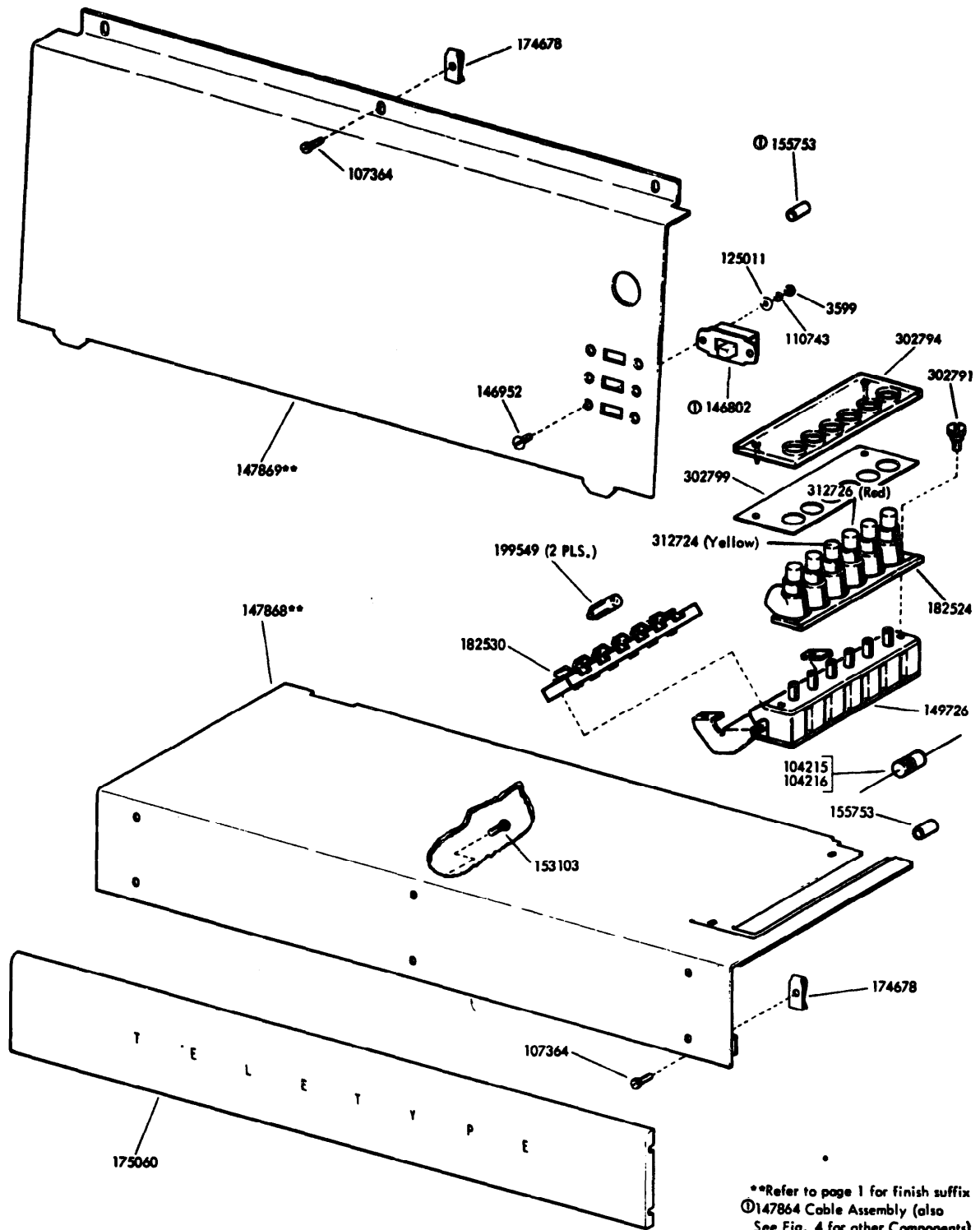
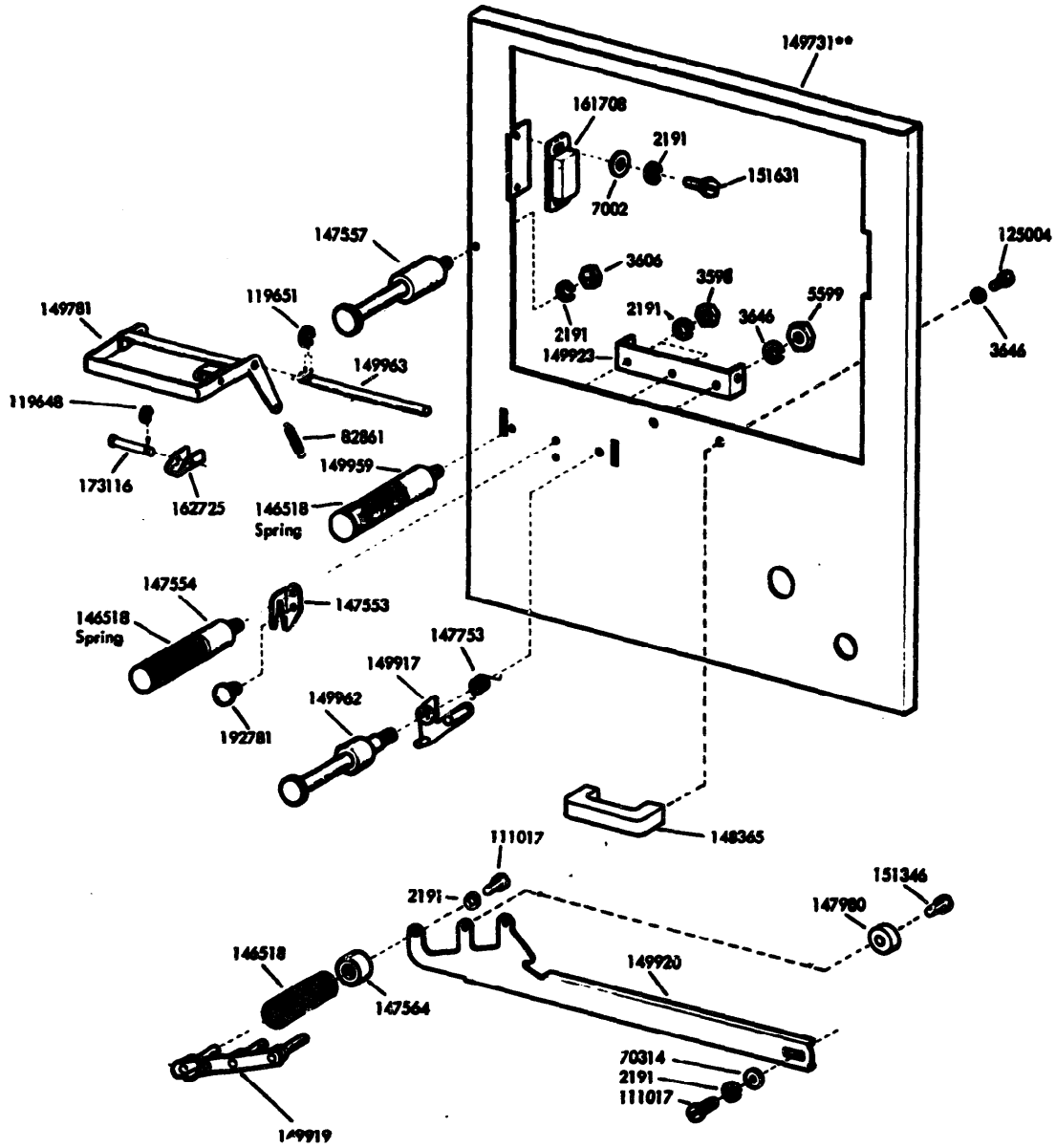


FIGURE 2. CABINET AND COMPONENTS (CONTINUED)



**Refer to page 1 for finish suffix

FIGURE 3. FRONT PANEL

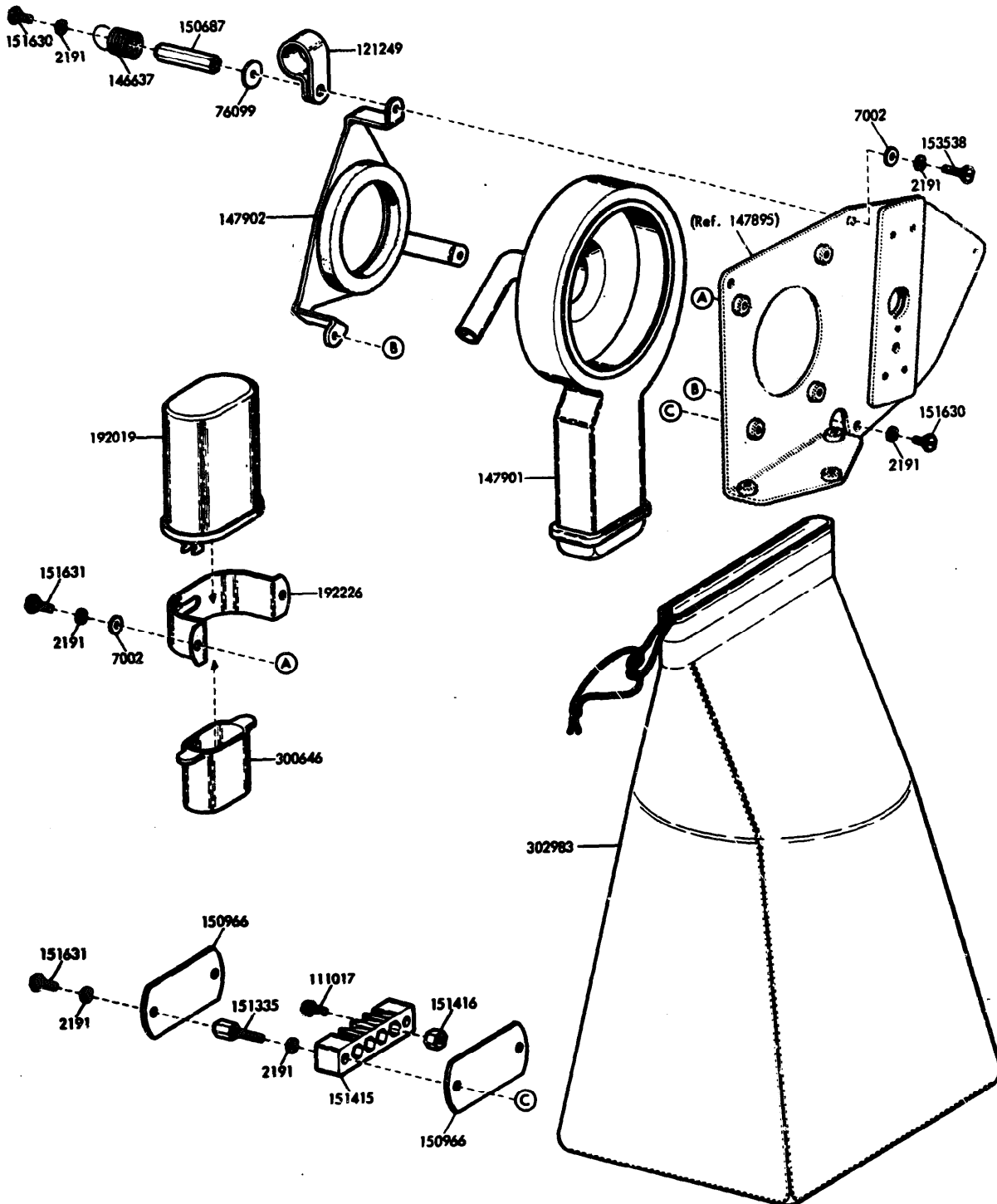


FIGURE 7. CHAD AND TAPE PULLER MECHANISM (CONTINUED)

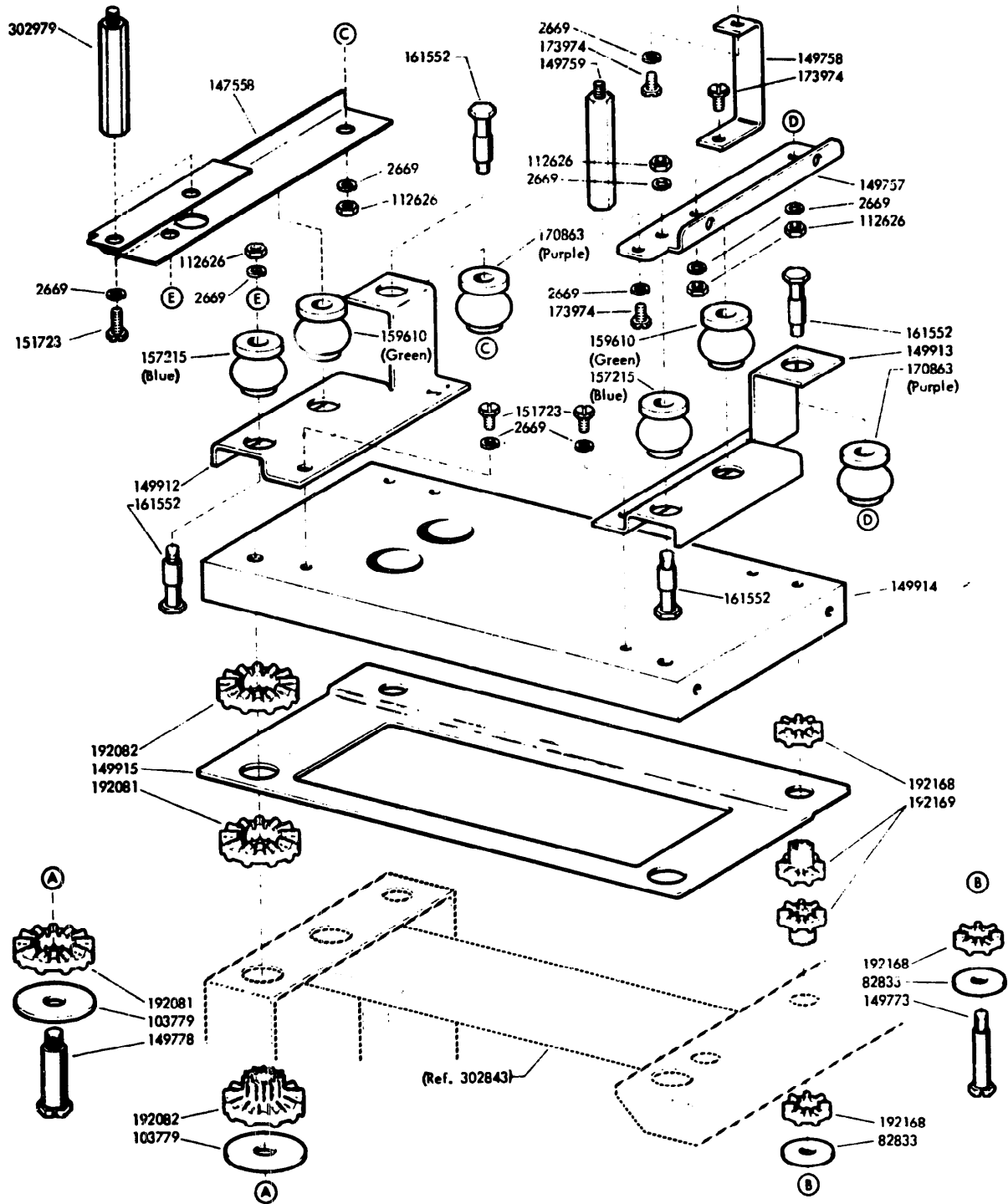


FIGURE 8. PUNCH MOUNTING PARTS

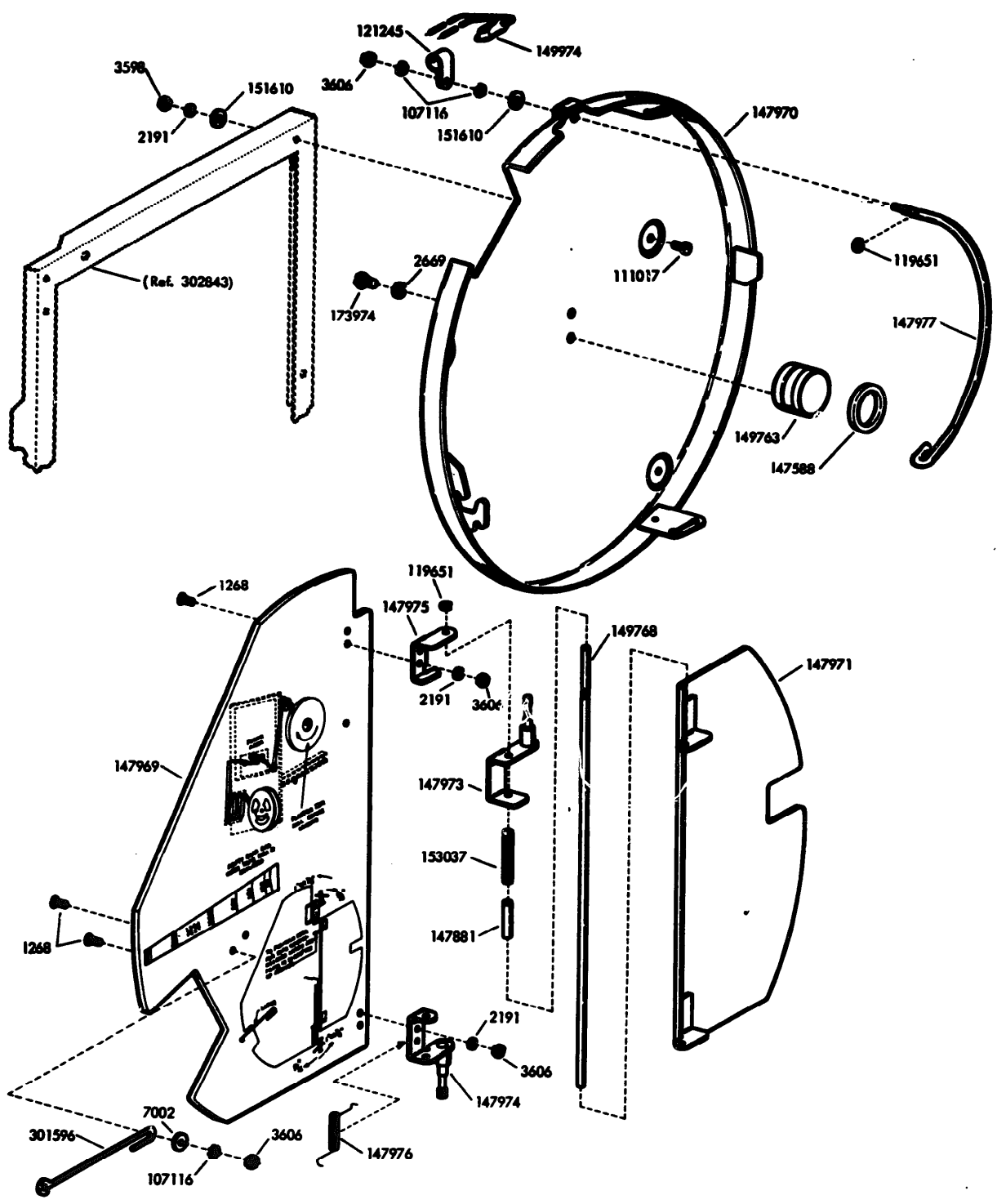
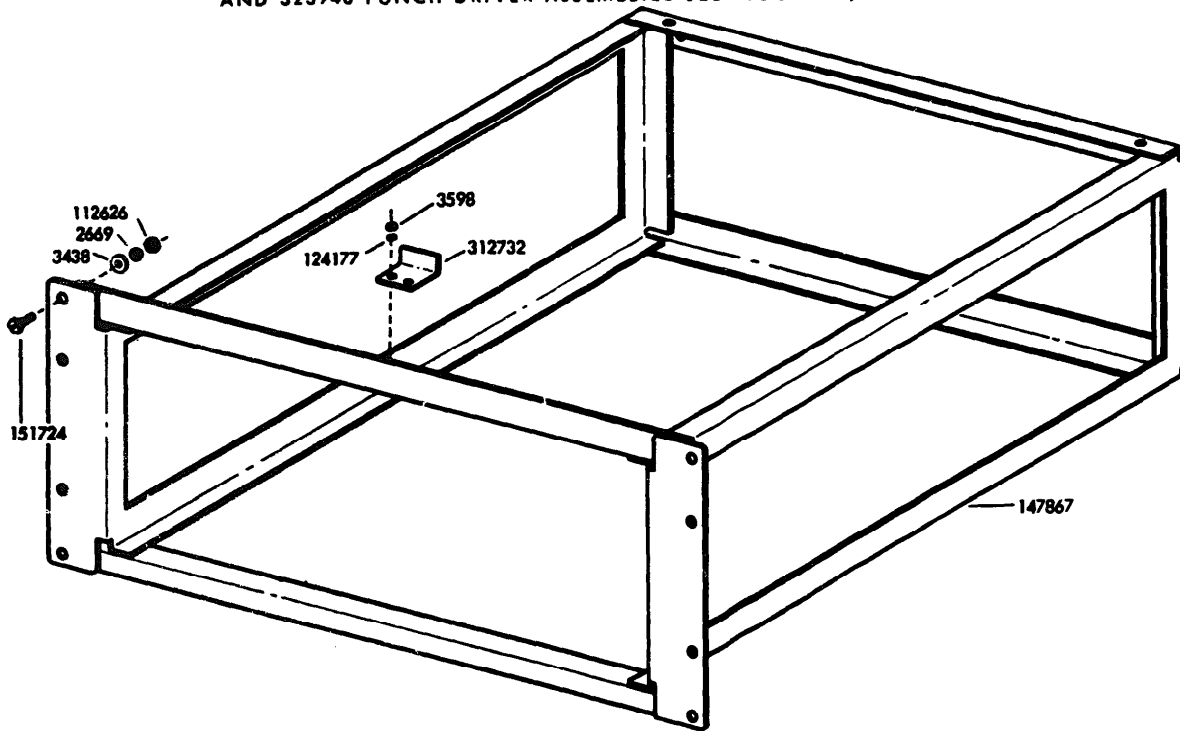
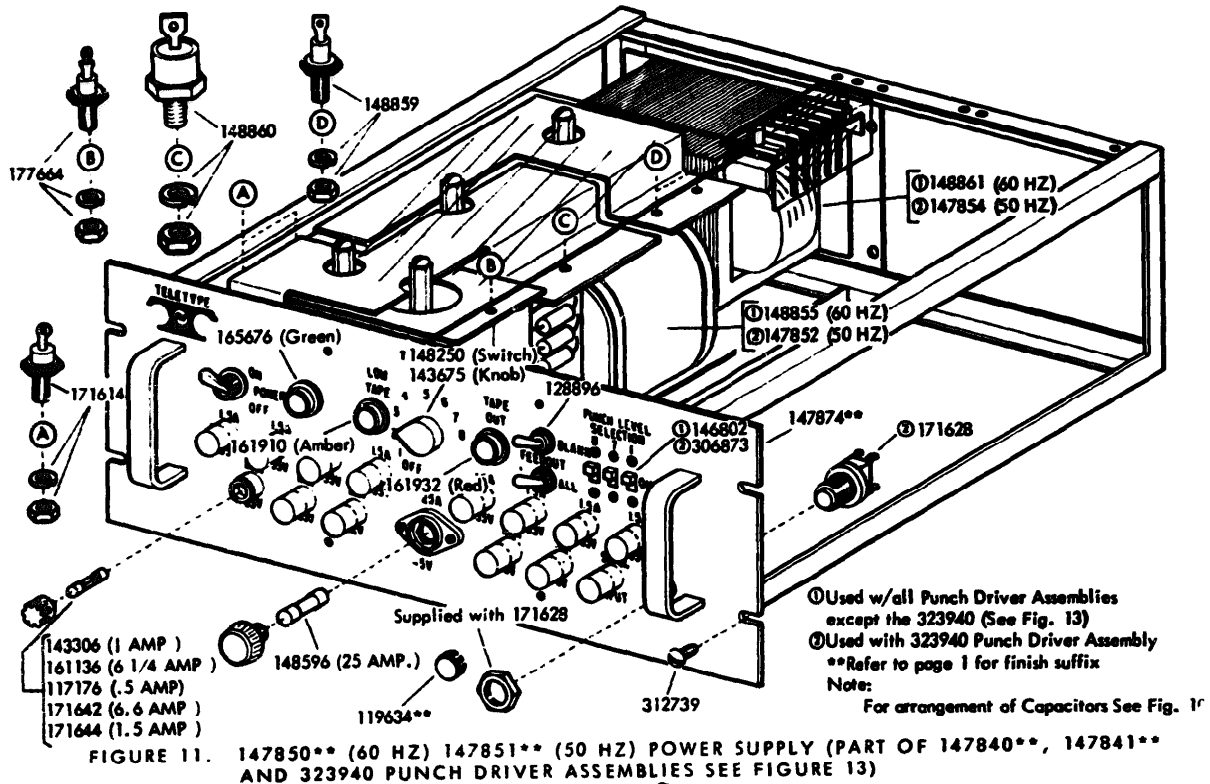


FIGURE 9. TAPE CONTAINER



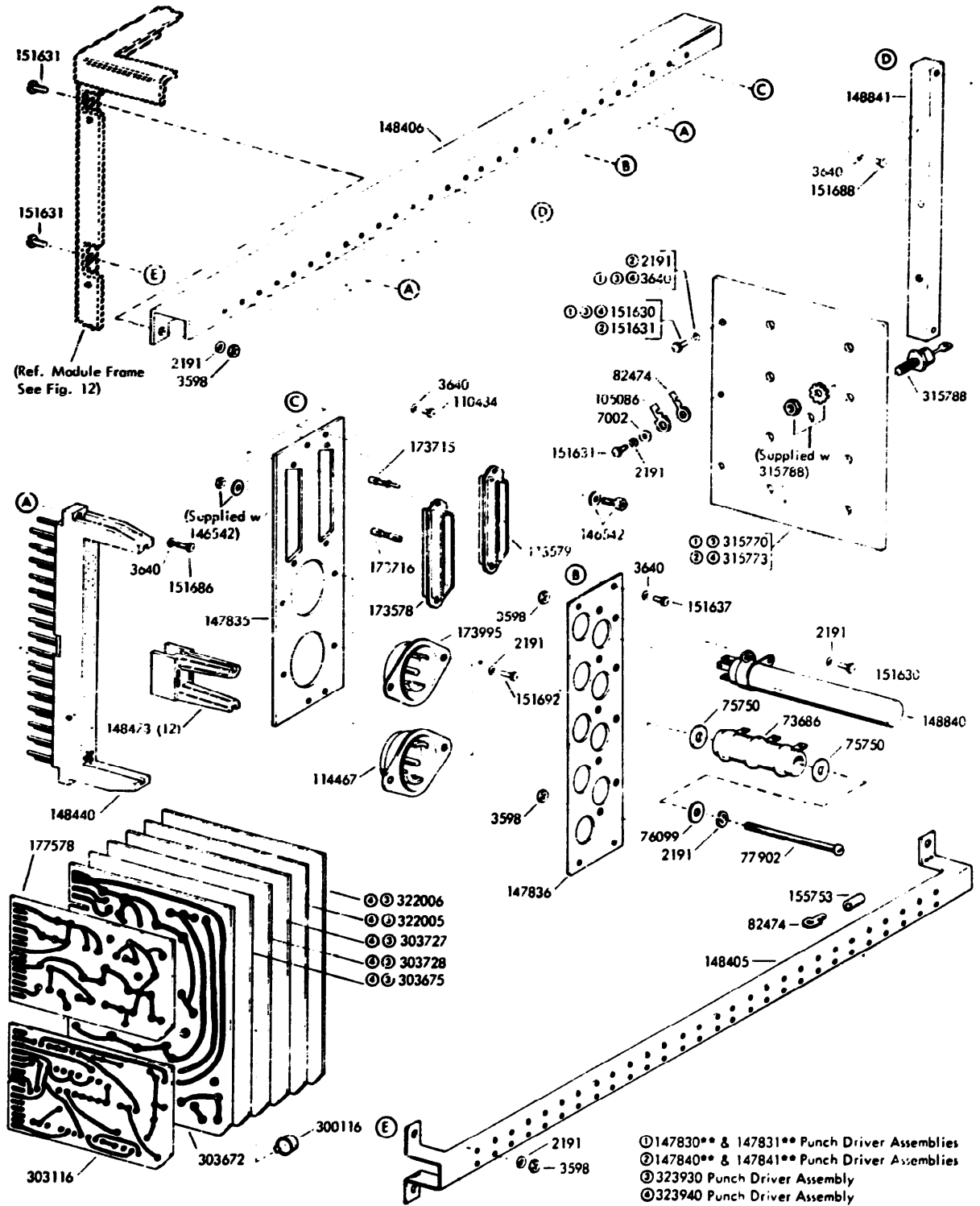


FIGURE 13. PUNCH DRIVER ASSEMBLIES

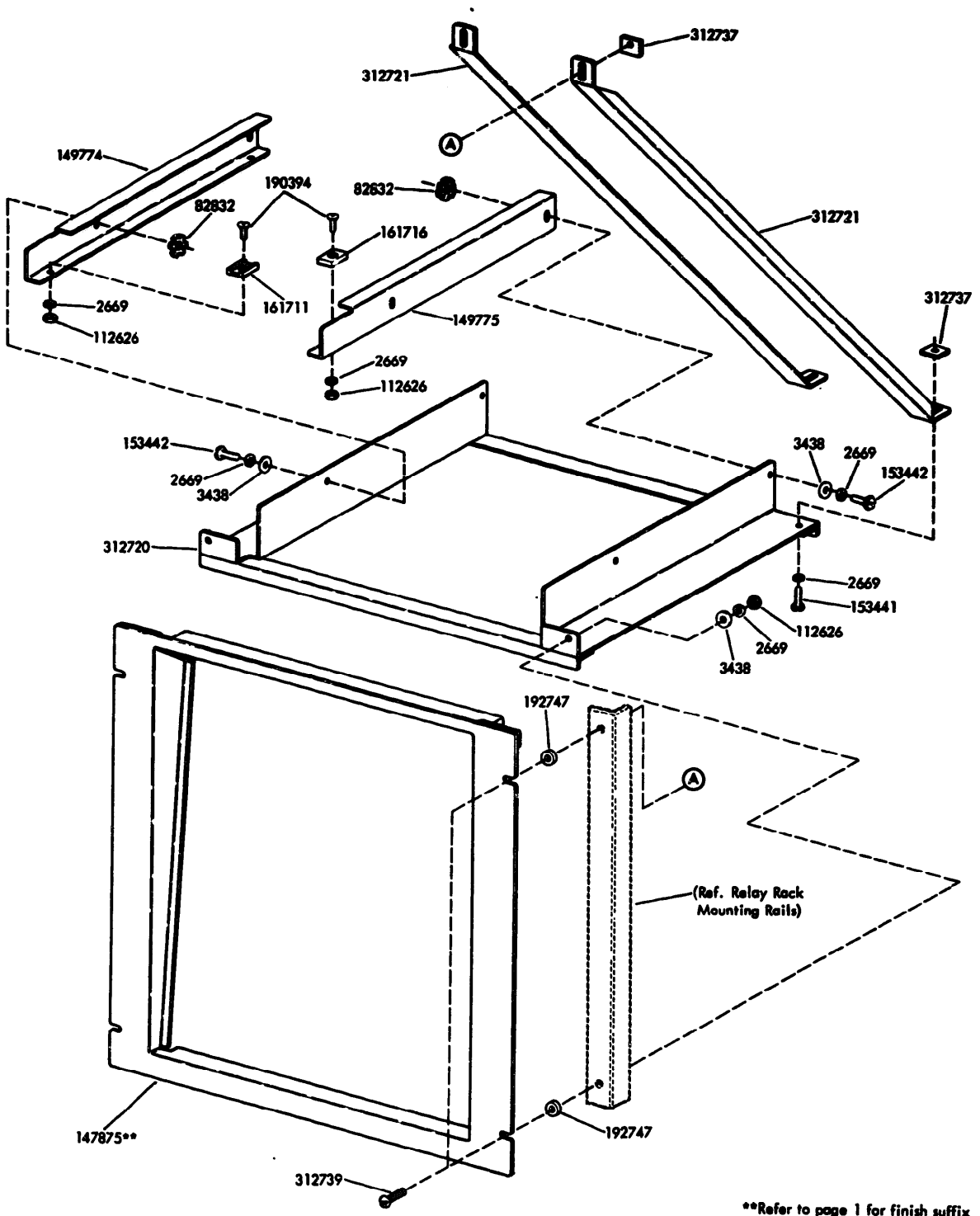


FIGURE 14. 312731** TAPE TRANSPORT ADAPTOR ASSEMBLY

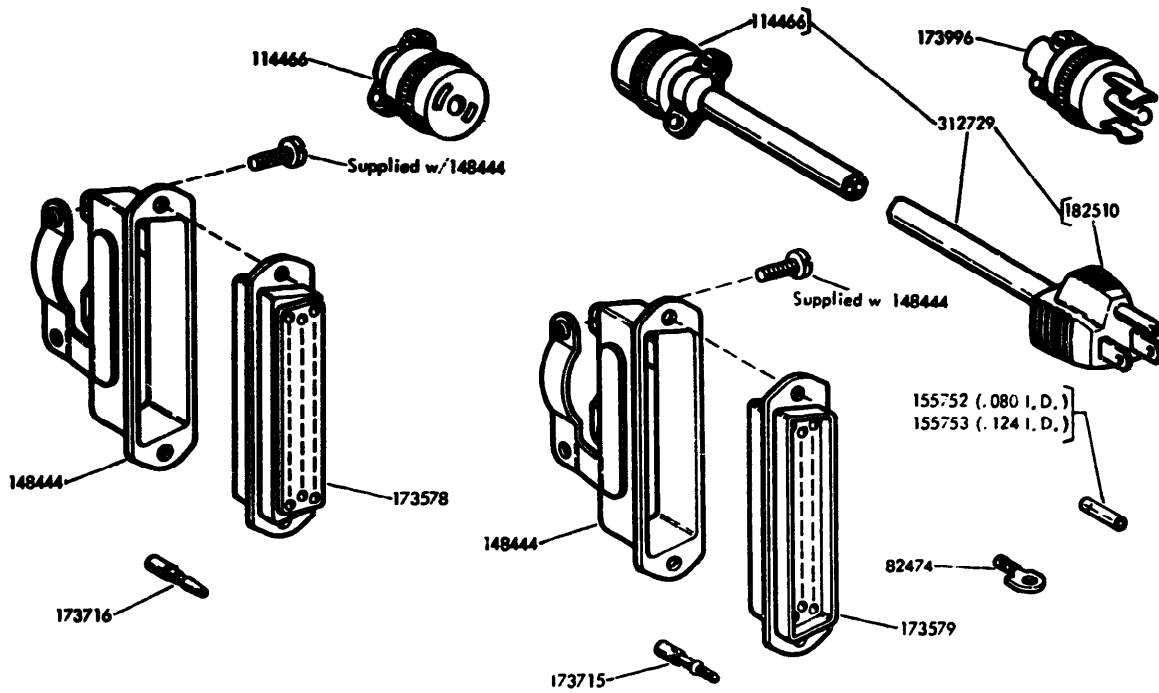


FIGURE 15. CABLE COMPONENTS

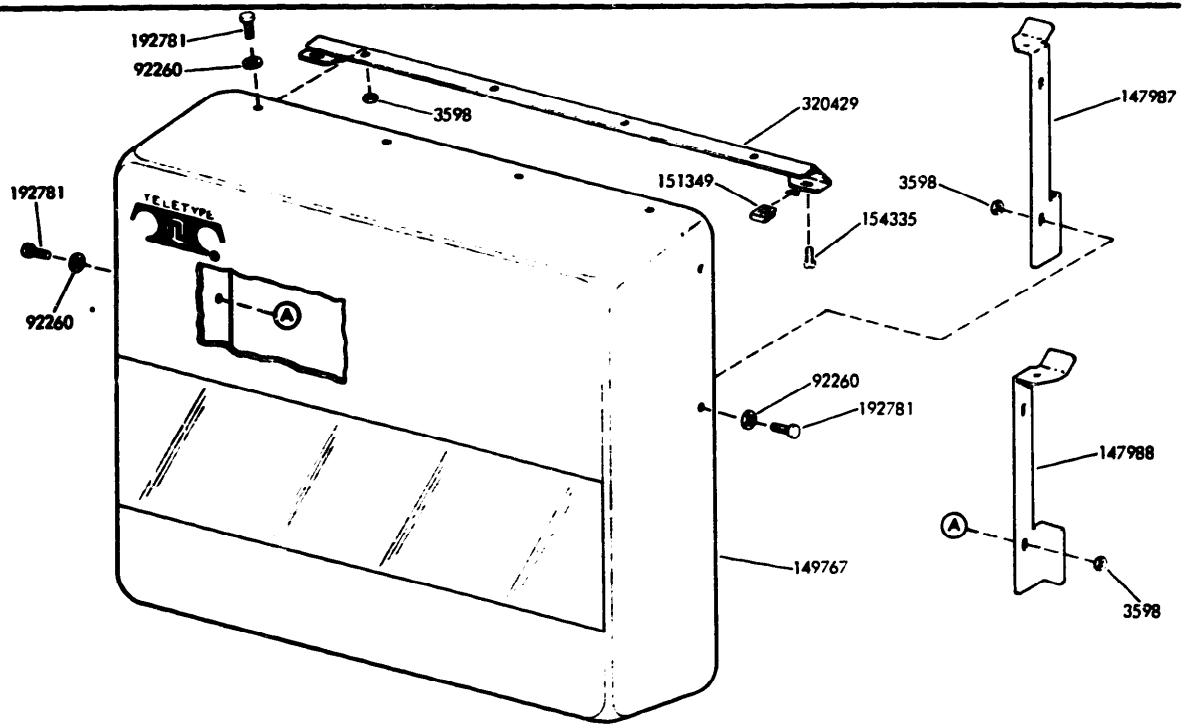


FIGURE 16. PUNCH COVER

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1170	Screw, 6-32 x 5/16 Flat 2	125802	Washer, Flat 2	147901	Casing w/Chute, Fan Wheel 8
1264	Screw, 10-32 x 1/2 Flat 6	128896	Switch, Taggle 12	147902	Clamp w/Gasket 8
1268	Screw, 6-40 x 5/16 Flat 10	129920	Fuse, 5 Amp SL-BL 11	147903	Bracket, Motor Mounting 7
2191	Washer, Lock 2, 4 to 8, 10, 13	131097	Terminal, 21/32" Lg 5	147969	Door, Plastic 10
2669	Washer, Lock 6, 7, 9, 10, 12, 14	143306	Fuse, 1 Amp SL-BL 11, 12	147970	Container, Universal Tape 10
3438	Washer, Flat 6, 7, 12, 14	143675	Knob 11, 12	147971	Cover, Rear Tape 10
3598	Nut, 6-40 Hex 2, 4, 5, 7, 10, 12, 13, 15	145903	Mount, Vibration 6, 7	147973	Pivot w/Post, Sliding 10
3599	Nut, 4-40 Hex 3	145904	Hinge, Right 2	147974	Bracket w/Post, Pivot 10
3606	Nut, 6-40 Hex 4, 10	145982	Detent, Tape Reel 6	147975	Bracket, Hinge 10
3640	Washer, Lock 6, 7, 13	146355	Plunger 6	147976	Spring, Torsion 10
3646	Washer, Lock 4, 6, 7	146518	Roller, Spring 4	147977	Arm, Low Tape 10
5599	Nut, 8-32 Hex 4, 6, 7	146542	Post Assembly 5, 13	147980	Button 4
7002	Washer, Flat 2, 4, 5 to 8, 10, 13	146612	Spring, Compression 6	147987	Bracket, Right Strike 15
34432	Washer, Flat 6	146637	Clip, Spring 8	147988	Bracket, Left Strike 15
44048	Washer, Flat 7	146802	Switch, SP-ST Slide 3, 12	148250	Switch, Rotary 11, 12
70314	Washer, Flat 4	146806	Adapter, Tape Reel 6	148365	Handle 4
73686	Resistor, 2,000 Ohm 13	146952	Screw, 4-40 x 3/8 Flat 3	148405	Bracket 13
75750	Washer, Insulating 13	146991	Motor, 115V 50/60 Hz 6	148406	Bracket 13
76099	Washer, Flat 8, 13	147553	Bracket, Guide 4	148440	Connector, 36 Pt Circuit Card 13
76800	Spring 7	147554	Post, Tape Guide 4	148444	Clamp, Cable 5, 11, 15
77902	Screw, 6-40 x 2-3/8 Rd 13	147555	Hub Assembly 6	148473	Guide, Circuit Card 13
82474	Terminal 2, 5, 6, 11, 13, 15	147556	Hub 6	148596	Fuse, 25 Amp SL-BL 11, 12
82702	Screw, 6-40 x 9/32 Flat 2	147557	Post, Tape Guide 4	148840	Resistor, 5 Ohm 13
82832	Washer, Lock 6, 14	147558	Rail, Left 9	148841	Bar, Mounting 13
82833	Washer, Flat 9	147559	Spring 6	148853	Capacitor, 36,000 MFD 11
82861	Spring 4	147564	Bushing 4	148854	Capacitor, 3,750 MFD 11
90790	Washer, Flat 7	147586	Lever w/Hub 7	148855	Capacitor, 6 MFD 11, 12
91517	Screw, 8-32 x 3/4 Rd 7	147588	Sleeve 10	148856	Resistor, 30 Ohm 11
92260	Washer, Lock 15	147753	Spring, Torsion 4	148857	Resistor, 20 Ohm 11
98718	Washer, Flat 6	147754	Post, Spring 6	148858	Capacitor, 10,000 MFD 11
103779	Washer, Flat 9	147824	Shield, Fan 6	148859	Diode 11, 12
104215	Resistor, 620 Ohm 3	147830**	Driver Assembly, Punch 1, 11, 13	148860	Diode 11, 12
104216	Resistor, 820 Ohm 3	147831**	Driver Assembly, Punch 1, 11, 13	148861	Transformer 11, 12
105086	Terminal 13	147833	Panel, Electrical Service 1, 5	149726	Key 3
105400	Bearing, Ball 7	147835	Plate, Connector 13	149731**	Panel, Front 4
107116	Washer, Lock 5, 6, 10	147836	Bracket, Resistor 13	149732	Frame, Inner 6
107364	Screw, 6-32 x 3/8 Fil 3	147840**	Driver Assembly, Punch 1, 12, 13	149736	Lever 7
110126	Washer, Lock 7	147841**	Driver Assembly, Punch 1, 12, 13	149739	Lever 7
110434	Screw, 4-40 x 3/16 Fil 13	147848	Power Supply 1, 11	149740**	Door, Front 2
110743	Washer, Lock 2, 3	147849	Power Supply 1, 11	149748	Post 7
111017	Screw, 6-40 x 5/16 Fil 4, 5, 6, 8, 10	147850**	Power Supply 1, 12	149749	Roller, Tape Feed 7
112626	Nut, 10-32 Hex 6, 7, 9, 12, 14	147851**	Power Supply 1, 12	149757	Rail, Right Mounting 9
114466	Connector, 3 Pt Receptacle 15	147852	Capacitor, 7 MFD 11, 12	149758	Bracket 9
114467	Connector, 3 Pt Plug 13	147853	Resistor, 2,000 Ohm 11	149759	Post 9
115783	Holder, Fuse 5	147854	Transformer 11, 12	149763	Post 10
117176	Fuse, .5 Amp SL-BL 11, 12	147861	Cable Assembly 11	149767	Cover, Plastic 15
118510	Fuse, 1/4 Amp 2	147863	Cable w/Terminals 5	149768	Pin, Hinge 10
119634**	Button, Plug 12	147864	Cable Assembly 3, 5	149773	Screw, 10-32 Shoulder 9
119636**	Button, Plug 2	147865	Cable w/Terminals 5	149774	Channel, Left 6, 14
119648	Ring, Retaining 4	147866	Cable Assembly 2	149775	Channel, Right 6, 14
119651	Ring, Retaining 4, 10	147867	Frame 12	149778	Screw, 1/4-32 Shoulder 9
119653	Ring, Retaining 6, 7	147868**	Panel, Control 3	149781	Bail 4
119654	Ring, Retaining 7	147869**	Panel, Cover 3	149912	Bracket, Left 9
119743	Grommet, Rubber 5	147870	Plate, Switch 2	149913	Bracket, Right 9
121245	Clamp, 5/16 ID Cable 5, 6, 7, 10	147873	Plate, Front 11	149914	Plate, Vibration Dampener 9
121246	Clamp, 3/8 ID Cable 5	147874**	Panel, Front 12	149915	Plate, Support 9
121249	Clamp, 5/8 ID Cable 8	147875**	Panel, Front 14	149916	Bracket, Motor Mounting 6
123769	Fan, Motor 7	147876	Bracket, Mounting 5	149917	Latch 4
124177	Washer, Lock 12	147878	Sleeve 10	149919	Plate w/Posts 4
124611	Screw, 8-32 x 3/8 Hex 6	147881	Bracket w/Plate 7, 8	149920	Arm, Tape Sensing 4
125004	Screw, 8-32 x 1/4 Rd 4	147895	Pulley 7	149923	Bracket 4
125011	Washer, Flat 3, 7	147897	Pulley 7	149959	Post, Tape Guide 4
		147898	Shaft 7	149962	Post, Tape Guide 4
		147899		149963	Pin 4
				149964	Bracket 6
				149965	Cable w/Terminals 6
				149967	Lever w/Shaft 6

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NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Page Number	Description and Page Number	Part Number	Description and Page Number	
149971	Bail 6		141932	Sp. Rad 12	300718	Driver, Roller 7
149974	Switch, Mercury 6, 10		142725	pressor, Chad 4	301596	Latch, Door 10
150687	Stud 8		162809	ing 7	302791	Screw, 4-40 Shoulder 3
150966	Insulator, Terminal 6, 8		165676	C. G-son 12	302794	Holder, Plastic 3
151335	Stud 5, 6, 8		170863	Mk. J, Vibration 9	302799	Label 3
151346	Screw, 6-40 x 3/8 Fil 4		171319	Resistor, 30 Ohm 11	302815	Strip, Rubber 2
151349	Nut, Speed 15		171526	Resistor, 1,500 Ohm 11	302843	Frame, Inner 9, 10
151411	Block, Terminal 5		171614	Diode 11, 12	302979	Post 9
151412	Insulator, Terminal 5		171615	Diode 11	302983	Bag, Chad 8
151415	Block, Terminal 6, 8		171628	Switch, No Rad Pushbutton 12	303116	Card, EC116 Circuit 13
151416	Nut, 6-40 Hex 5, 6, 8		171642	Fuse, 1.6 Amp SL-BL 11, 12	303672	Card, EC672 Circuit 13
151610	Washer, Flat 10		171644	Fuse, 1.5 Amp 11, 12	303675	Card, EC675 Circuit 13
151626	Terminal 6		172715	Screw, 10-24 Captive 2	303727	Card, Circuit 13
151630	Screw, 6-40 x 1/4 Hex 2, 5, 6, 8, 13		172763	Nut, Grip 2	303728	Card, Circuit 13
151631	Screw, 6-40 x 5/16 Hex 4, 5, 6, 8, 13		173116	Pin 4	306873	Switch, DP-DT Slide 12
151632	Screw, 6-40 x 3/8 Hex 5, 6, 7		173578	Connector, 50 Pt Receptacle Type 5, 11, 13, 15	308494	Switch, Pushbutton 2
151637	Screw, 4-40 x 1/4 Fil 2, 13		173579	Connector, 50 Pt Plug Type 5, 13, 15	308495	Lens, White 2
151642	Screw, 6-40 x 3/4 Fil 7		173715	Terminal, Plug Type 5, 13, 15	309899	Network, Spark Suppression 6
151685	Screw, 4-40 x 5/16 Fil 7		173716	Terminal, Receptacle Type 5, 11, 13, 15	312720	Adapter, Tape Transport 14
151686	Screw, 4-40 x 3/8 Fil 6, 13		173974	Screw, 10-32 x 5/16 Hex 9, 10	312721	Bracket, Support 14
151687	Screw, 4-40 x 7/16 Fil 2		173995	Connector, 3 Pt Receptacle 5, 13	312724	Button, Yellow 3
151688	Screw, 4-40 x 5/8 Fil 13		173996	Connector, 3 Pt Plug 15	312726	Button, Red 3
151692	Screw, 6-40 x 3/16 Fil 7, 13		174678	Nut, Speed 3	312727	Motor 7
151723	Screw, 10-32 x 3/8 Hex 6, 9		175060	Plate, Nome 3	312729	Cord Assembly, Power 15
151724	Screw, 10-32 x 5/8 Hex 12		176163	Jumper, 18" Black 6	312731**	Adapter Assembly, Tape Transport 1, 14
151827	Strap, Terminal 5		177578	Card, EC578 Circuit 13	312732	Bracket, Stop 12
153037	Spring 10		177664	Diode 11, 12	312733	Jumper, 3-1/2" Blue 6
153103	Screw, 4-40 Self-Tapping 3		179455	Screw, 10-24 x 1/2 Hex 6	312734	Jumper, 3-1/2" Red 6
153441	Screw, 10-32 x 7/16 Hex 14		181301	Sleeve, 15/64 ID x 1" Lg Insulating 6	312736	Pulley 7
153442	Screw, 10-32 x 1/2 Hex 14		182510	Cord, Power 5, 15	312737	Plate, Nut 14
153538	Screw, 6-40 x 7/16 Hex 8		182524	Button Assembly 3	312739	Screw, 10-32 x 5/8 Rd 12, 14
154335	Screw, 6-40 x 9/32 Fil 15		182530	Strip Assembly, Lamp 3	312740	Spacer 7
155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 11		190394	Screw, 10-32 x 1/2 Flat 6, 14	312742	Belt, V 7
155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 5, 15		192007	Terminal, Tab Type 6	312743	Bracket, Bearing 7
155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 2, 3, 13, 15		192019	Capacitor, 3 MFD 8	315770	Plate, Diode 13
155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 6		192081	Ring 9	315773	Plate, Diode 13
156598	Ring, Retaining 7		192082	Bushing 9	315776**	Cabinet 2
156740	Screw, 6-40 x 7/32 Hex 7		192168	Ring 9	315777	Rack, Lower 2
156768	Screw, 8-32 x 9/32 Hex 6		192169	Bushing 9	315779	Spacer, Strip 11
156831	Clamp 7		192226	Bracket, Capacitor Mounting 8	315781	Plate, Isolator 2
156901	Post, Eccentric 7		192747	Spacer, .125" Thk 14	315788	Rectifier 13
157215	Mount, Vibration 9		192781	Screw, 6-40 Spl 4, 15	315790	Fan 2
159610	Mount, Vibration 9		193179	Lamp 28V 2	315791	Fan 2
160664	Pin, Roll 6		193943	Cable Assembly 2	315792	Grille 2
161136	Fuse, 6-1/4 Amp SL-BL 5, 12		193994	Holder Assembly, Fuse 2	315793	Belt, V 7
161552	Screw, 10-32 Spl 9		199549	Lamp, 48V 3	315794**	Panel, Rear 2
161708	Latch, Magnetic 2, 4		199901	Reel, Tape 6	320429	Bracket, Retaining 15
161711	Block, Guide 6, 14		300116	Cover, Insulating 13	321083	Motor 6
161716	Block, Support 6, 14		300646	Boot, Rubber 8	322005	Card, Circuit 13
161910	Cap, Amber 12		300664	Spring, Torsion 7	322006	Card, Circuit 13
			300665	Transformer 6	323930	Driver Assembly, Punch 1, 11, 13
			300716	Pulley, V Belt 7	323939	Transformer 6
					323940	Driver Assembly, Punch 1, 12, 13
					326744	Fan, Motor 6

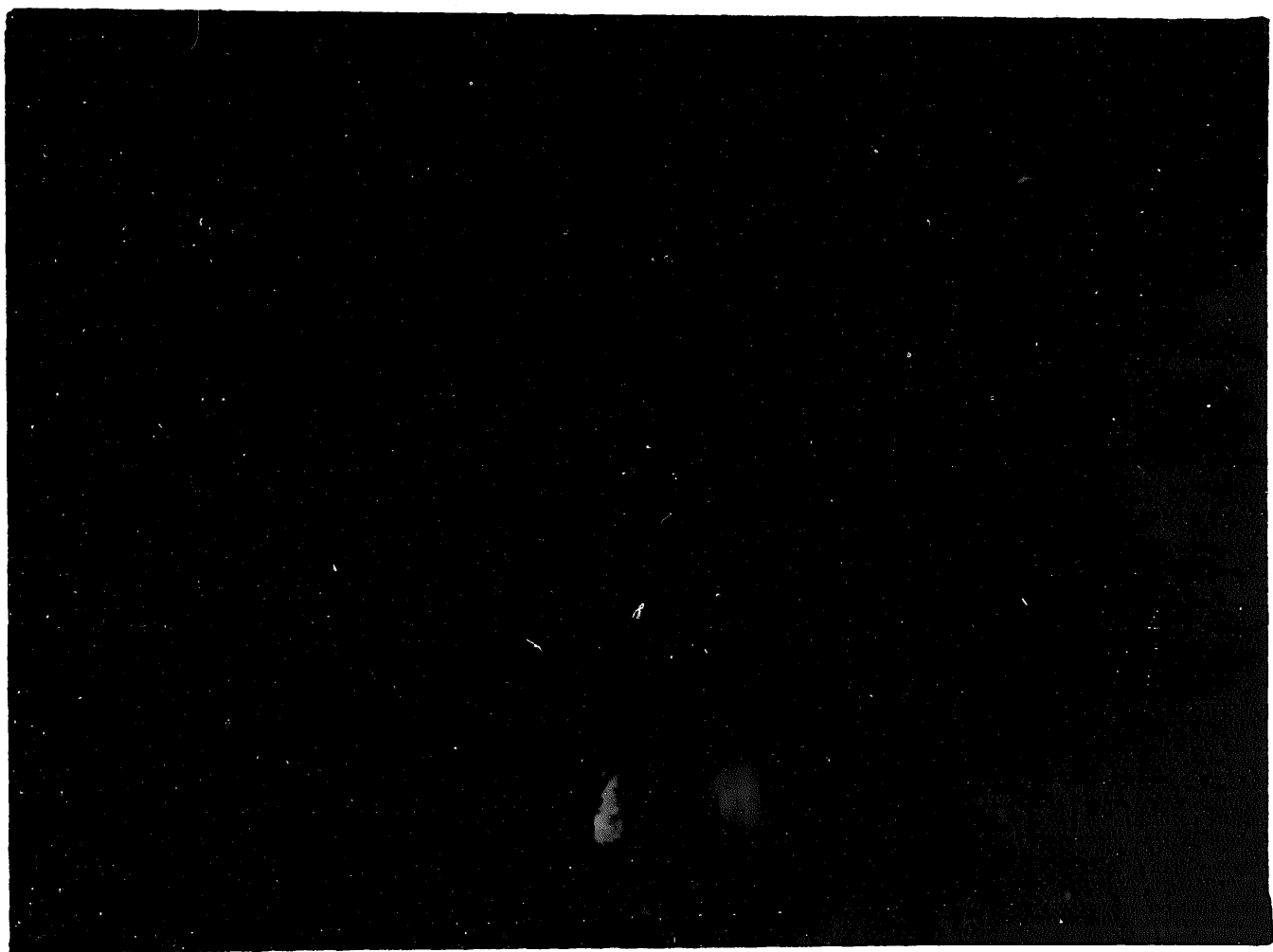
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END

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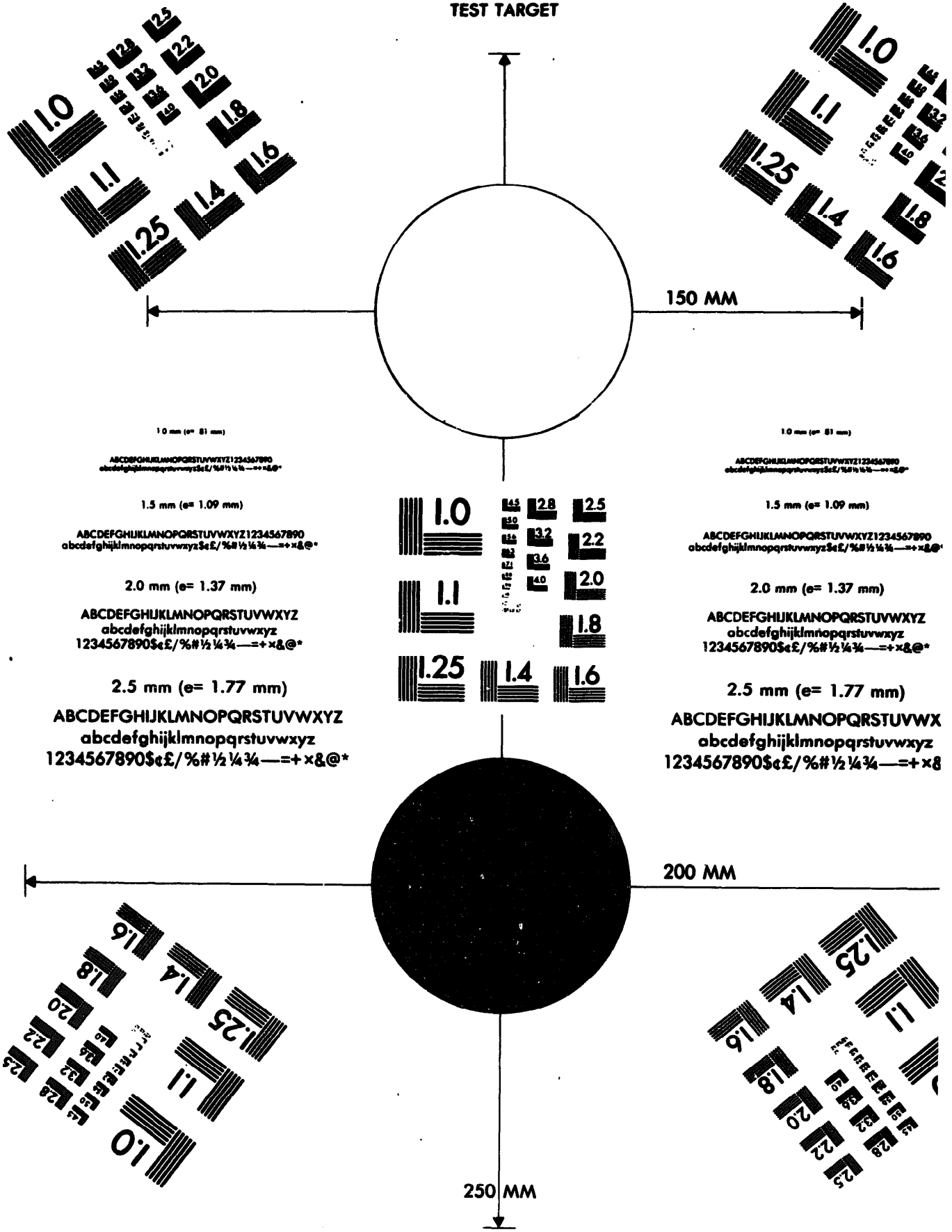
DATE





DEPARTMENT OF THE ARMY

MICROFORM
TEST TARGET



10 mm (e= 81 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$%& / % # 1/2 1/4 3/4 — + x & @ *

1.5 mm (e= 1.09 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$%& / % # 1/2 1/4 3/4 — + x & @ *

2.0 mm (e= 1.37 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$%& / % # 1/2 1/4 3/4 — + x & @ *

2.5 mm (e= 1.77 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$%& / % # 1/2 1/4 3/4 — + x & @ *

150 MM

10 mm (e= 81 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$%& / % # 1/2 1/4 3/4 — + x & @ *

1.5 mm (e= 1.09 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$%& / % # 1/2 1/4 3/4 — + x & @ *

2.0 mm (e= 1.37 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$%& / % # 1/2 1/4 3/4 — + x & @ *

2.5 mm (e= 1.77 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$%& / % # 1/2 1/4 3/4 — + x & @ *

200 MM

250 MM