

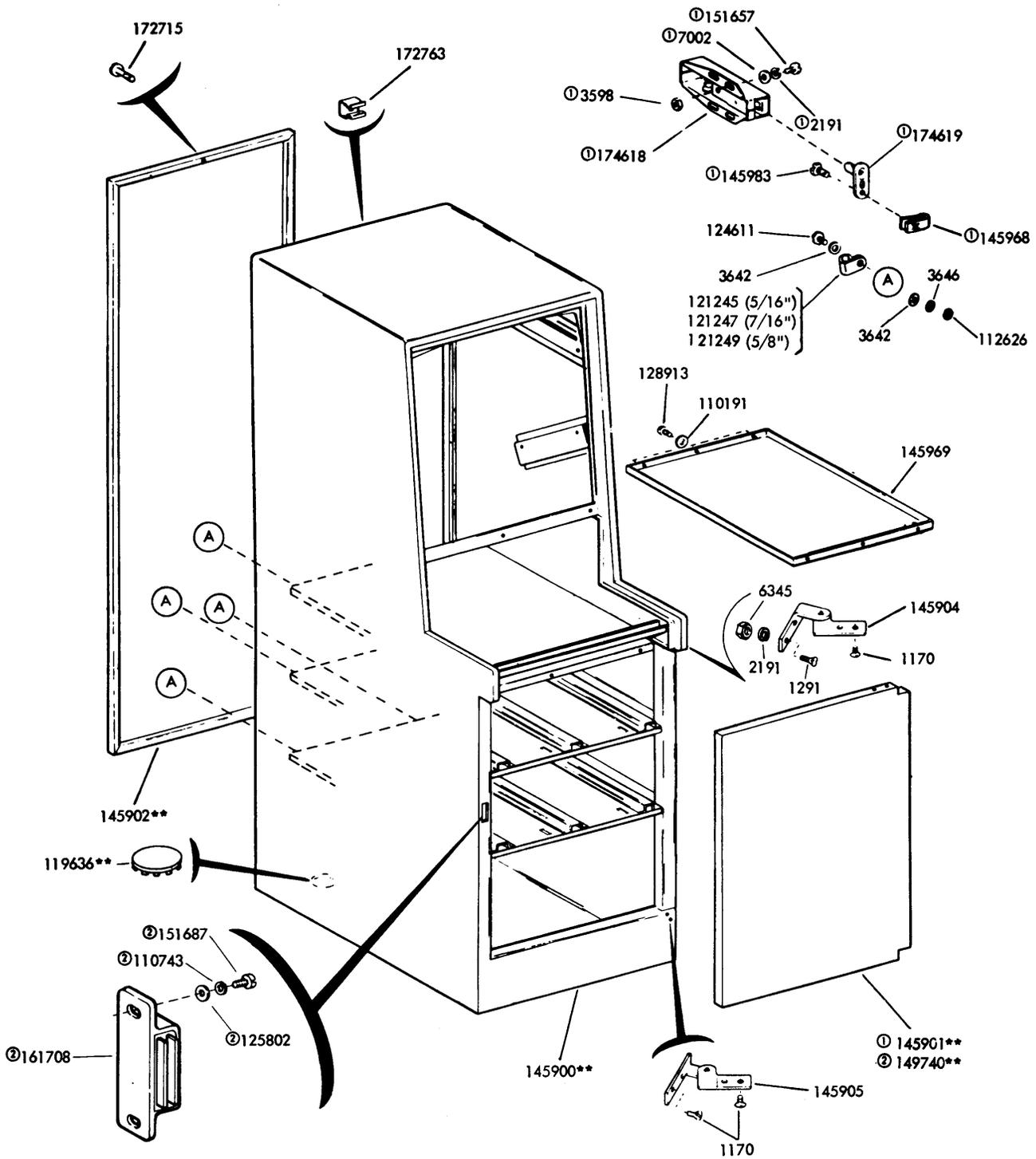
HIGH SPEED TAPE RECEIVER CABINET (AC)  
and  
MODULES (TRD and TRSC)  
TYPES 1 and 2  
PARTS

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5	Tape Winder Components	6	12	199593 Modification Kit to Provide	
6	Chad Blower Components	7		Automatic Answer	13
7	149787 Modification Kit to Add Brake to Supply Arm on Cabinet	8		Numerical Index	14

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	AA (37)	ET	GC	HC	Gray, Federal	AB (40)	BV	GG	HB (68)				
Beige, Light		EL			Gray, Green		BK	GA (45)					
Beige, Rose		ER			Gray, Light		EJ	HE					
Black		BA (34)			BB		Gray, Covert	EW		GE	HF (46)		
Black, High Gloss							Gray, Olive						
Black, Semi Gloss							Gray, Maritime Deck						
Blue, Aqua							Gray, Oxford						
Blue, Brussels Light		EC			AJ		BJ	EP		GA (45)	HD		
Blue, Medium		ES										AB (40)	BK
Brown, Dark		AD (38)										AC (39)	Green, Gray
Brown, Light	Ivory		EM										
Fawn	AL	BZ	GF	HA	Pink, Rose	EU							
Gray, Beige					Turquoise	EV							
Gray, Charcoal					White	EH							
Gray, Dark					Yellow, Pastel	EG							

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

COLOR CODE CHART FOR MULTI-COLOR APPARATUS		
Color Code	Basic Color	Finish Suffixes
MA	BEIGE	HC and HG
MB	GRAY	HB and HE
MC	GREEN	HD and HB
MH	GRAY	BJ and EJ



① Early Design Door and Latch  
 ② New Design Door and Latch  
 \*\*Refer to Page 1 for Finish Suffix

FIGURE 1. CABINET FRAME

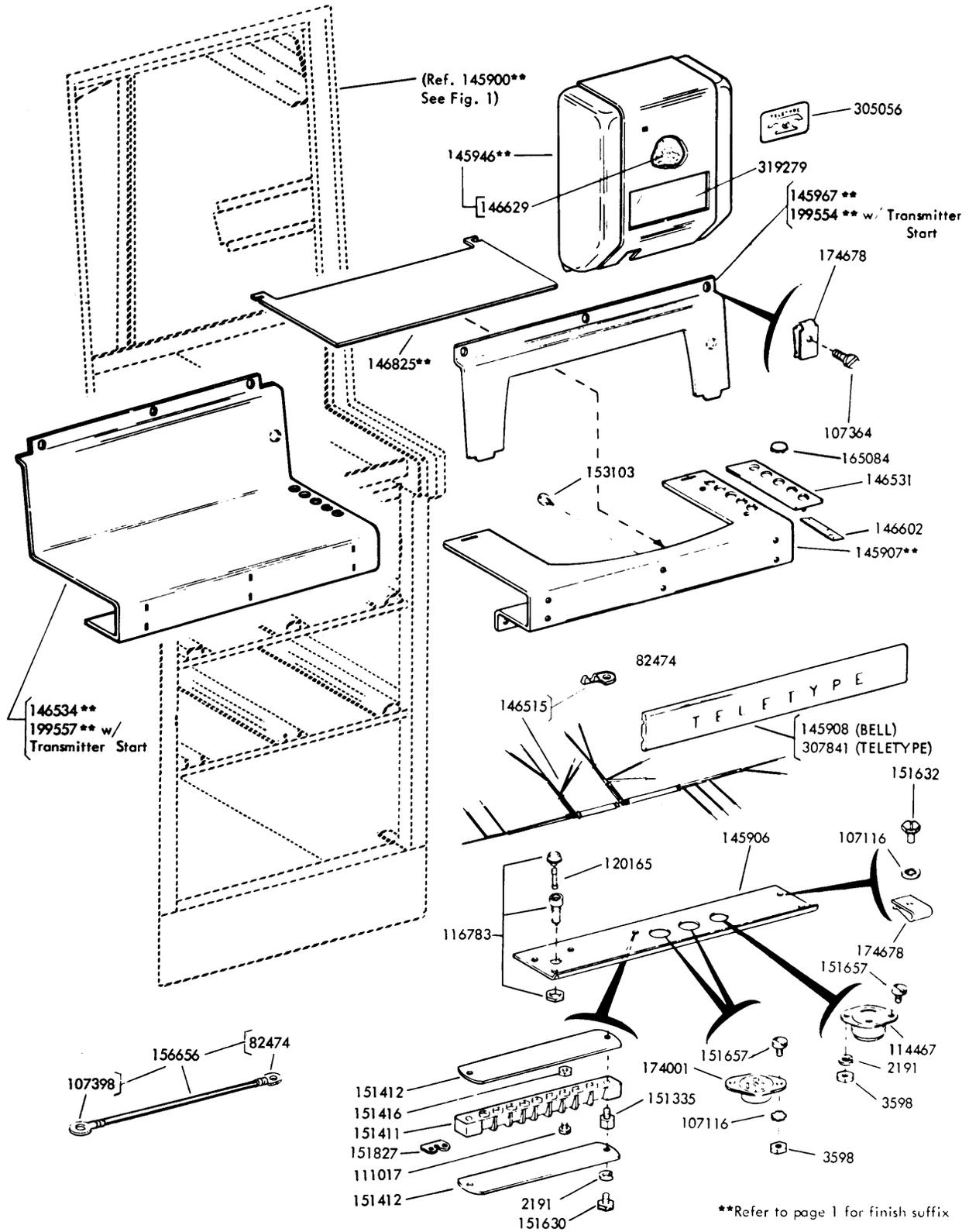
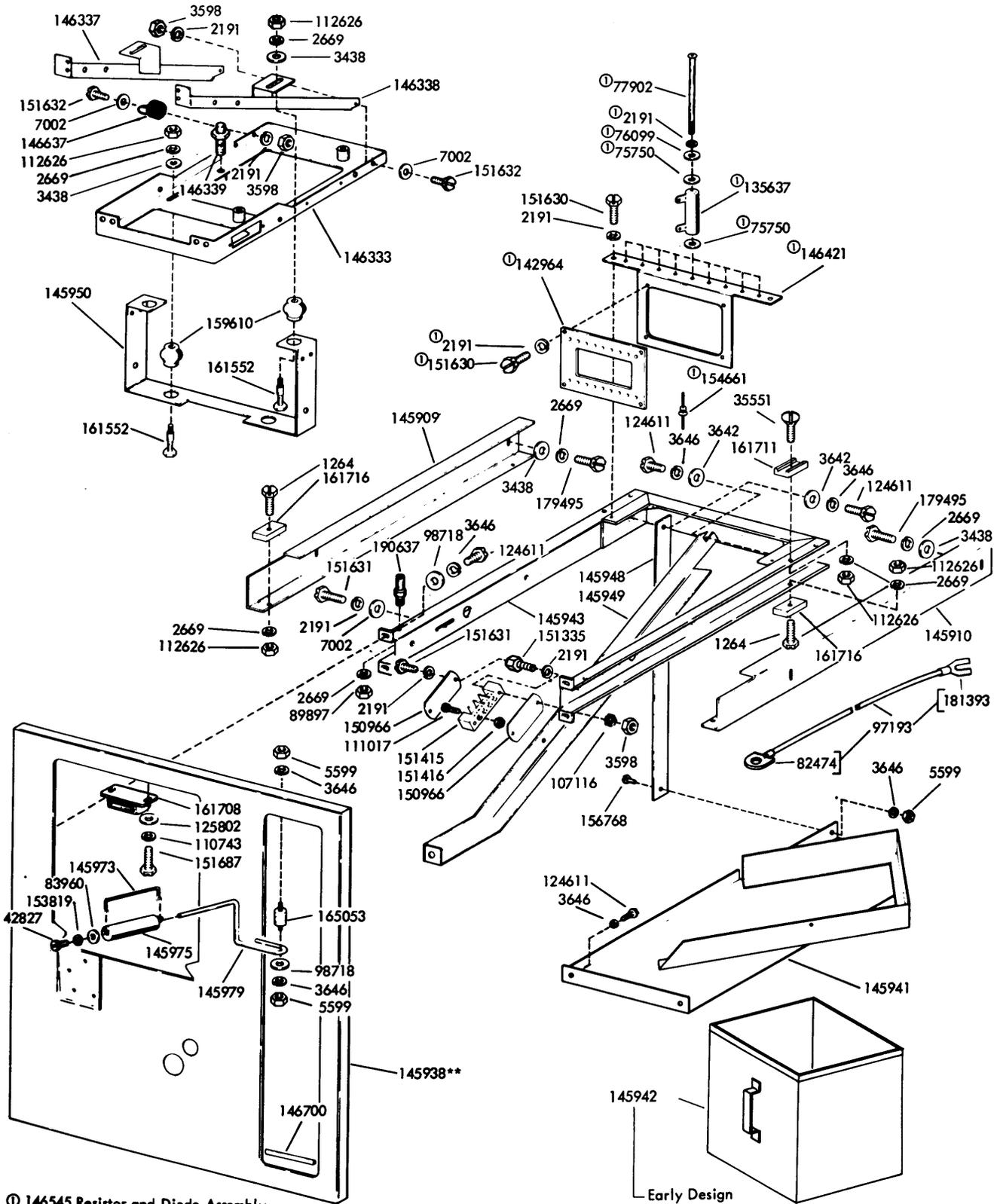


FIGURE 2. FRONT PANELS

SECTION 592-806-800



① 146545 Resistor and Diode Assembly

\*\*Refer to page 1 for finish suffix

Early Design  
(For Later Design See Fig. 6)

FIGURE 3. RAILS AND FRONT PLATE

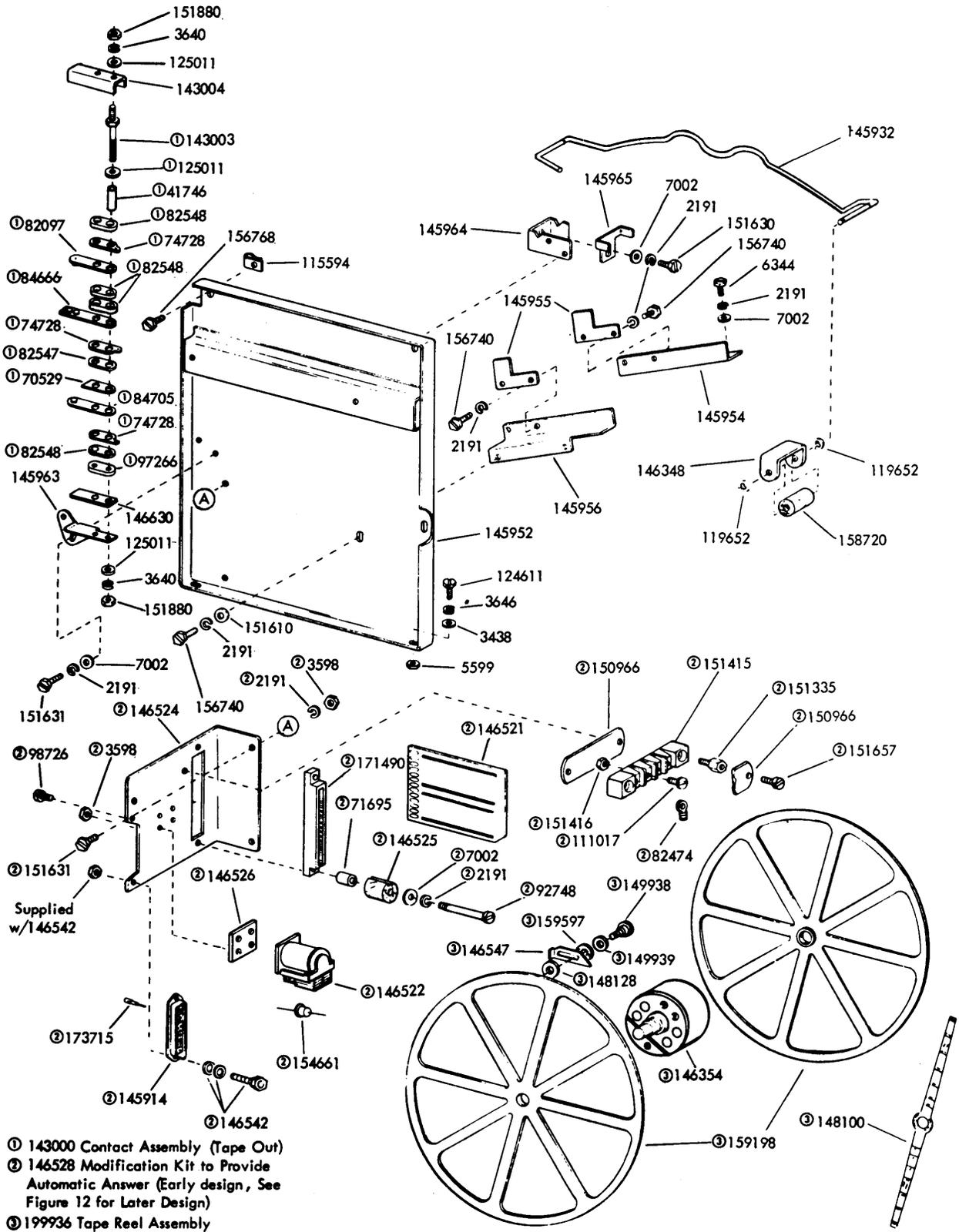


FIGURE 4. TAPE FEED-OUT COMPONENTS



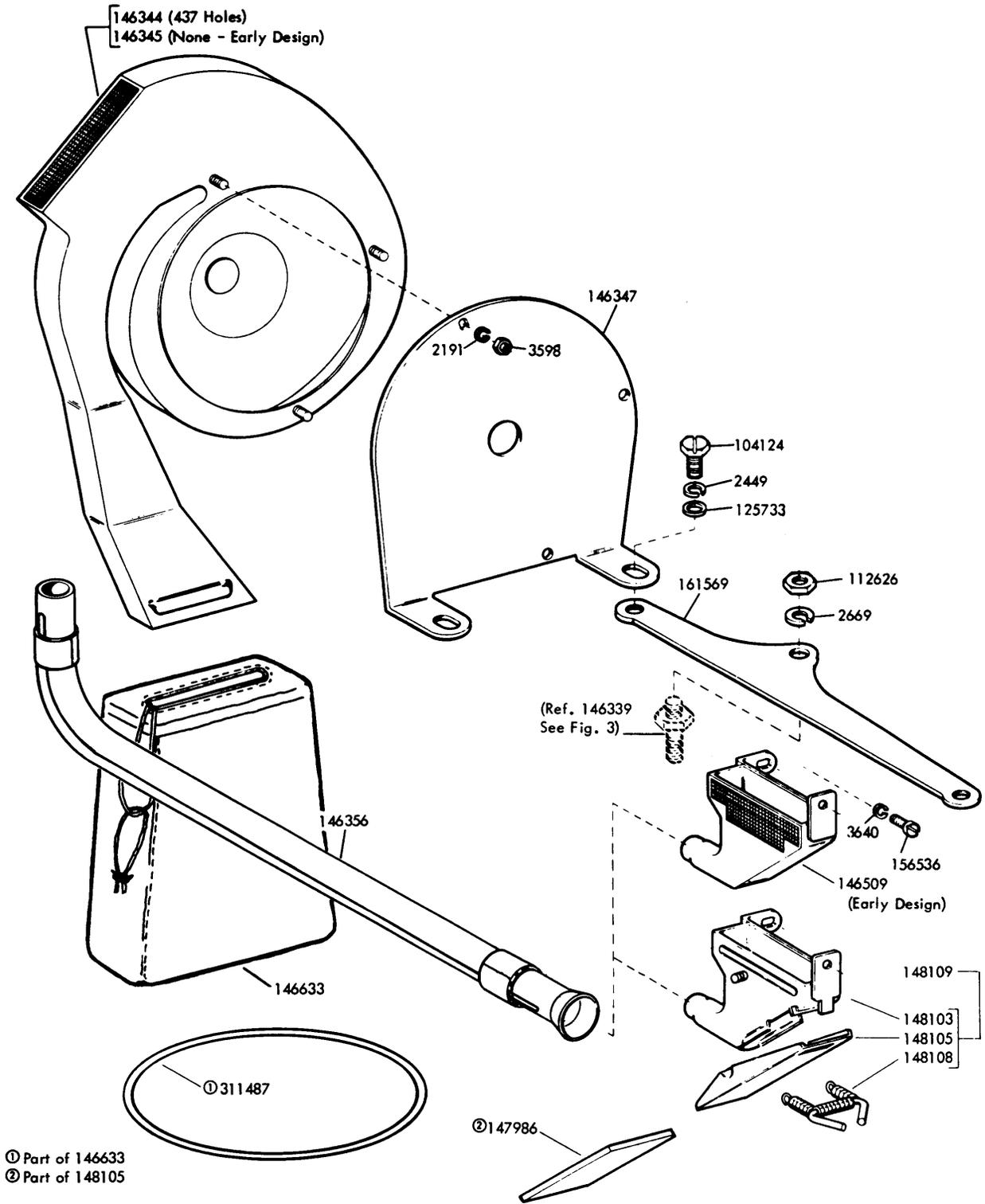
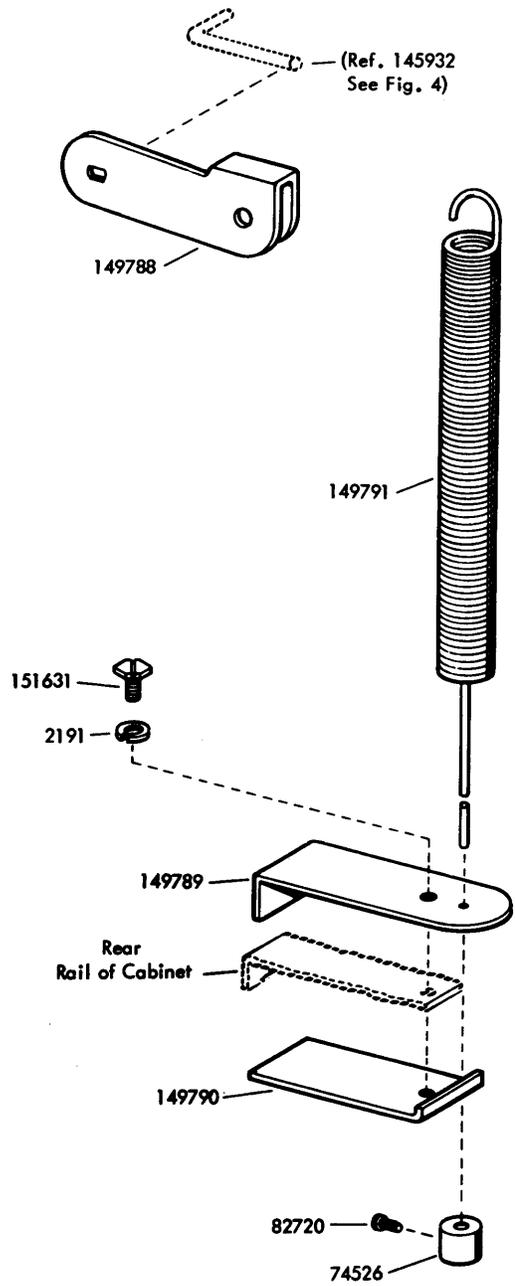
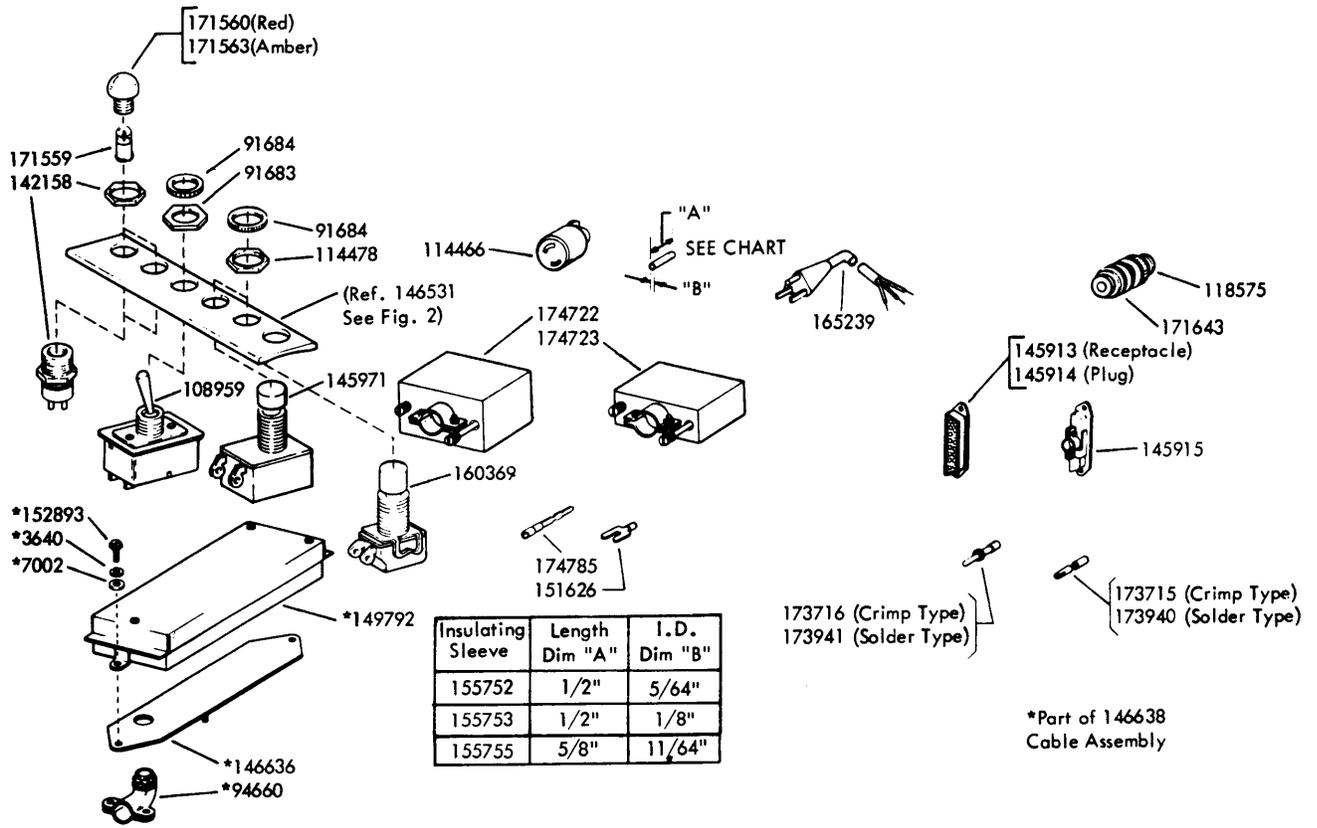


FIGURE 6. CHAD BLOWER COMPONENTS



Specification 503215

FIGURE 7. 149787 MCDIFICATION KIT TO ADD BRAKE TO SUPPLY ARM ON CABINET



Components	Cable Assemblies			
	145951	146420	146631	146638
94660				X
108959			X	
114466		X		X
118578				X
142158	X			
145913	X			
145914	X			
145915	X			
145971			X	
149792				X
151626	X		X	X
155752	X			
155755	X		X	
160369	X			
165239		X		X
171643				X
173715	X			
173716	X			
174722	X			
174723	X			
174785	X			

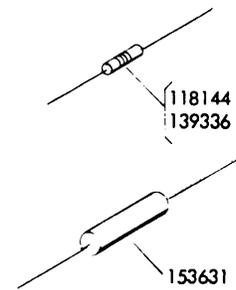


FIGURE 8. CABLE CHART

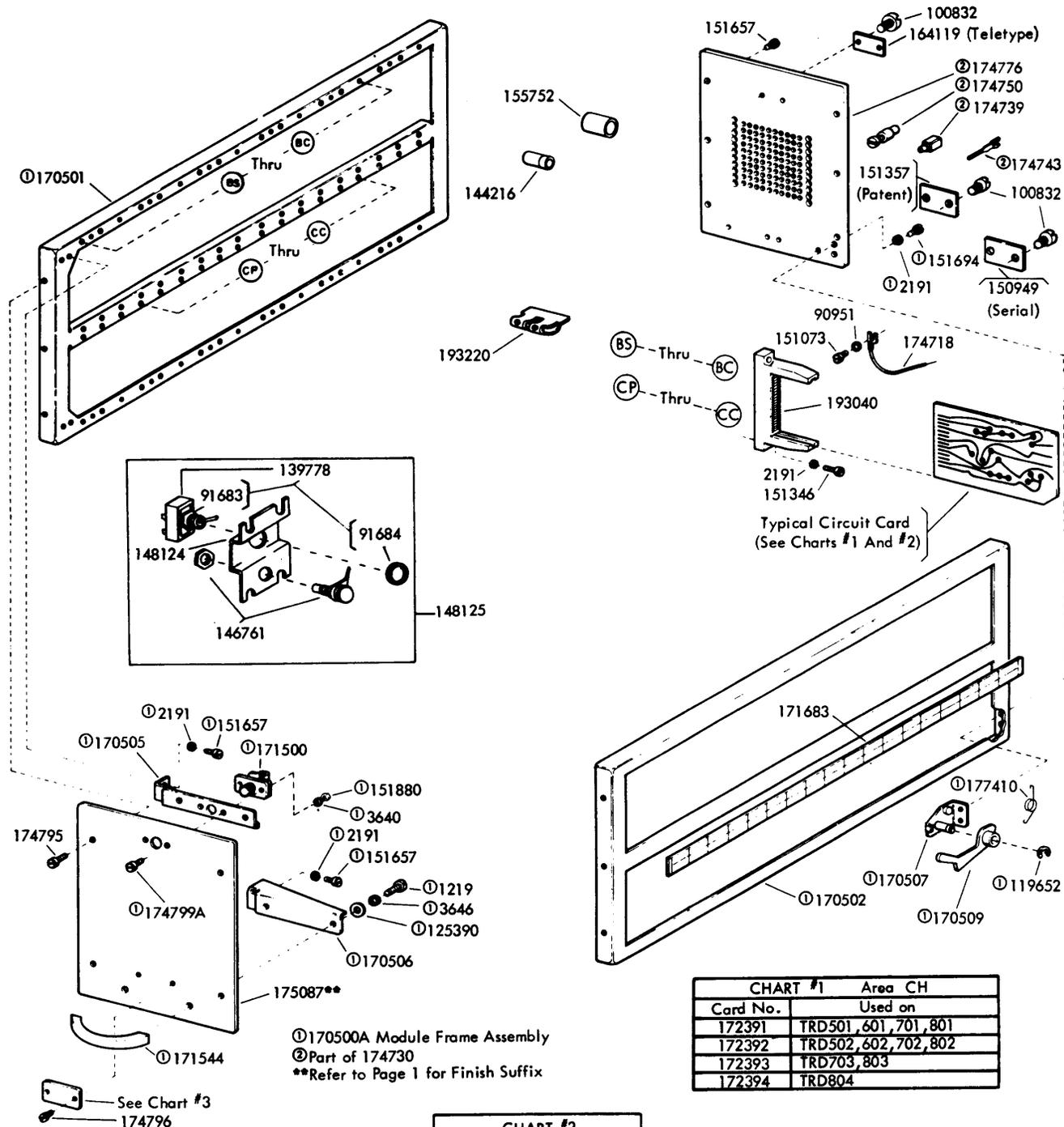


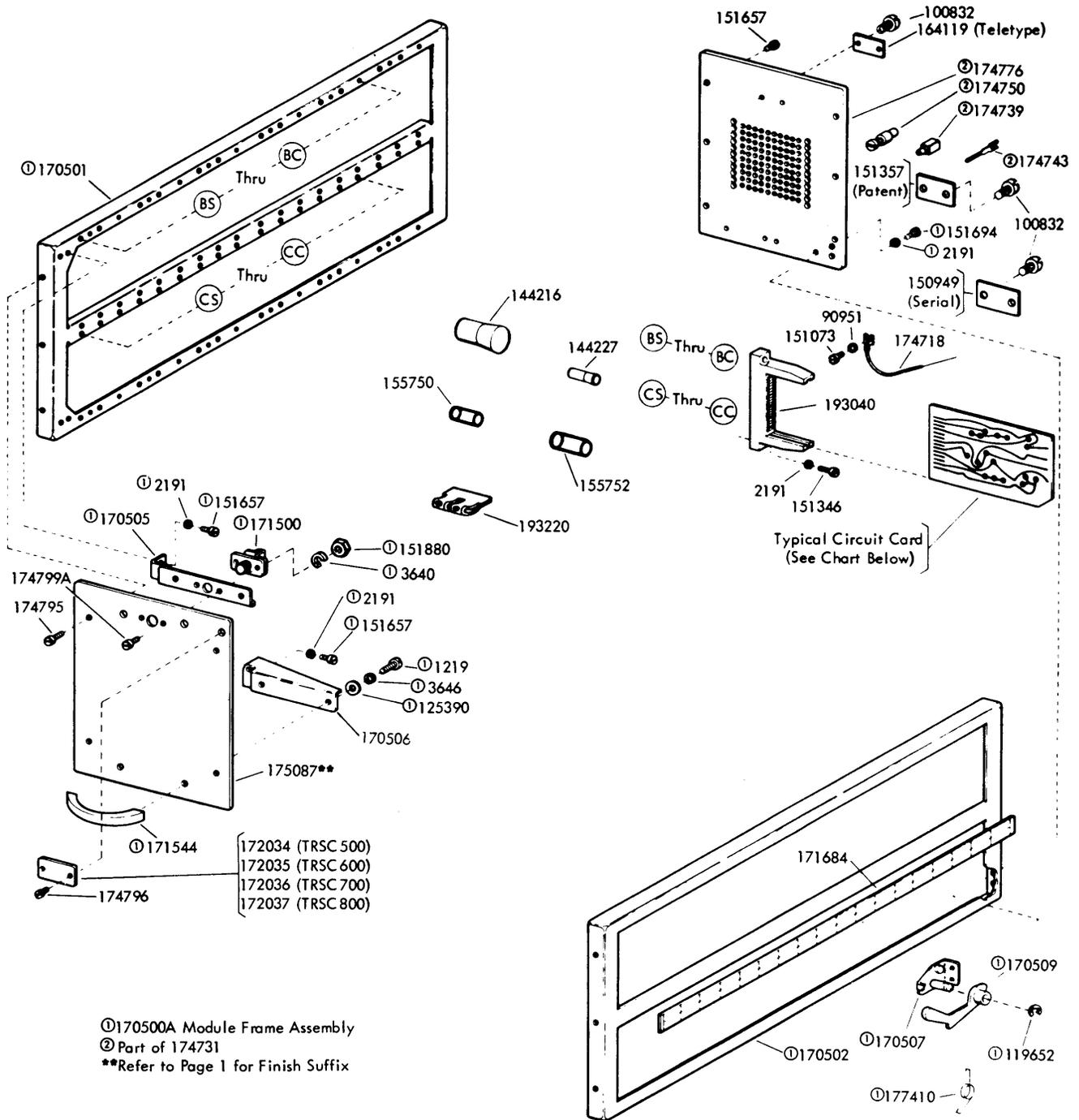
CHART #1		Area CH
Card No.	Used on	
172391	TRD501, 601, 701, 801	
172392	TRD502, 602, 702, 802	
172393	TRD703, 803	
172394	TRD804	

CHART #2																	
Area	BS	BR	BQ	BP	BN	BM	BL	BK	BJ	BH	BG	BF	BE	BD	BC	BB	BA
Designation	Z324	Z303	Z313	Z314	Z315	Z316	Z317	Z318	Z319	Z320	Z310	Z307	Z306	Z308	Z309		
Card No.	172359	172401	172359	172359	172359	172359	172359	172359	172359	172359	172469	172395	172347	172333			
Area	CS	CR	CQ	CP	CN	CM	CL	CK	CJ	CH	CG	CF	CE	CD	CC	CB	CA
Designation				Z301	Z321	Z305	Z302		Z304	Z311		Z312		Z322	Z323		
Card No.				172374		172473	172326		172490			172420		172363	172363		

↑ 172365 (EC365) or 172475 (EC475) See chart #1

CHART #3		Identification Plate										
TRD Unit	501	502	601	602	603	701	702	703	801	802	803	804
Plate No.	172021	172022	172023	172024	172039	172025	172026	172027	172028	172029	172030	172031

FIGURE 9. RECEIVING DISTRIBUTOR MODULE (TRD)



Area	BS	BR	BQ	BP	BN	BM	BL	BK	BJ	BH	BG	BF	BE	BD	BC	BB	BA
Designation	Z 418	Z 417	Z 416	Z 415	Z 414	Z 413	Z 412	Z 411	Z 403	Z 407	Z 406	Z 408	Z 405		Z 410		
Card No.	172359	172359	172359	172359	172359	172359	172359	172359	172359	172469	172351	172347	172322		172333		
Area	CS	CR	CQ	CP	CN	CM	CL	CK	CJ	CH	CG	CF	CE	CD	CC	CB	CA
Designation	Z 427	Z 426	Z 425	Z 424	Z 423	Z 422	Z 421	Z 420	Z 419	Z 409	Z 402	Z 401	Z 429	Z 404	Z 428		
Card No.	172396	172396	172396	172396	172396	172396	172396	172396	172396	172323	172375	172355	172352	172431	172363		

FIGURE 10. RECEIVING SIGNAL CONVERTER MODULE (TRSC)

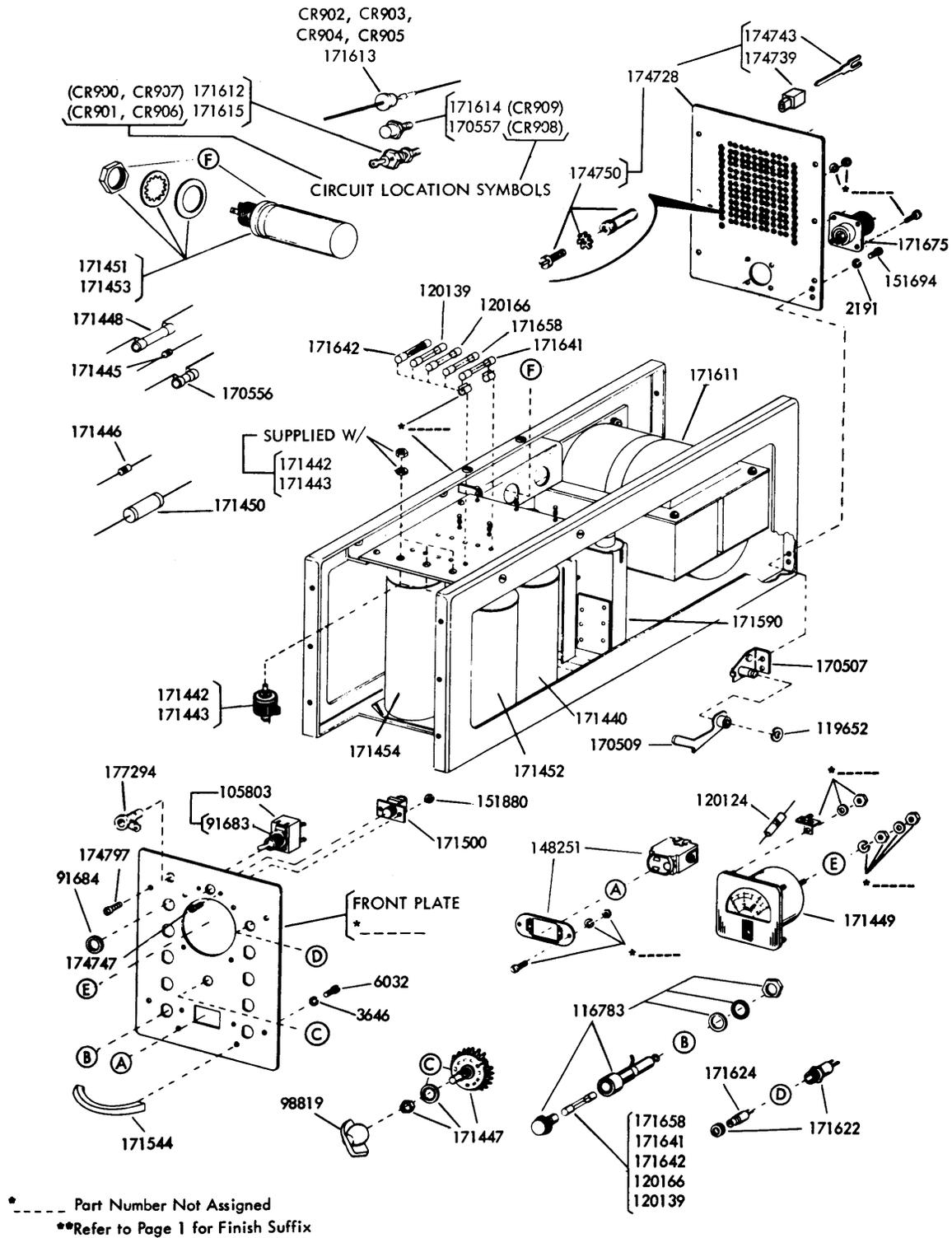


FIGURE 11. 177149\*\* MULTI-VOLTAGE RECTIFIER MODULE

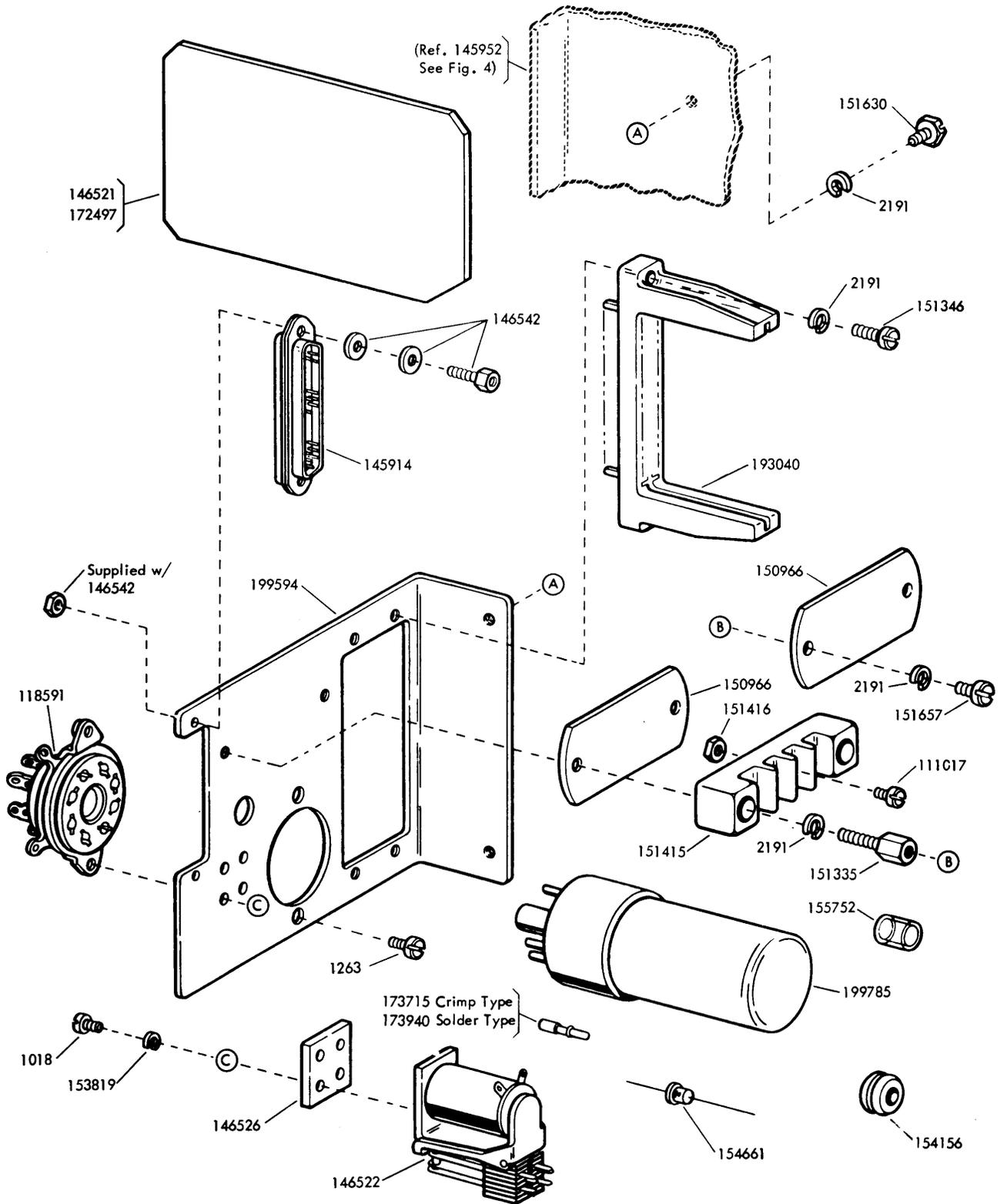


FIGURE 12. 199593 MODIFICATION KIT TO PROVIDE AUTOMATIC ANSWER

## NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1018	Screw (3-48 x 5/16 Fil) 13	117366	Jumper (8-1/2" Green) 6	145968	Nut, Speed (#6) 2
1170	Screw (6-32 x 5/16 Flat) 2	118144	Resistor (2,700 Ohm) 9	145969	Rack, Mounting 2
1219	Screw (8-32 x 5/16 Fil) 10, 11	118575	Nut, Insulating 9	145971	Switch, Pushbutton 9
1263	Screw (6-32 x 1/4 Fil) 13	118578	Clamp, Cable (3/4" ID) 9	145973	Guide, Tape 4
1264	Screw (10-32 x 1/2 Flat) 4	118591	Socket (8 Pt) 13	145975	Roller, Tape Guide 4
1291	Screw (6-32 x 3/4 Flat) 2	119636**	Button, Plug 2	145976	Motor, 115 Volt AC 6
2191	Washer, Lock 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13	119648	Ring, Retaining 6	145977	Bracket W/Hub 6
2449	Washer, Lock 7	119649	Ring, Retaining 6	145979	Guide, Tape 4
2669	Washer, Lock 4, 7	119652	Ring, Retaining 5, 6, 10, 11, 12	145982	Detent, Tape Reel 6
3438	Washer, Flat 4, 5	119653	Ring, Retaining 6	145983	Screw, Self-Tapping (#6) 2
3598	Nut (6-40 Hex) 2, 3, 4, 5, 6, 7	120124	Resistor (33000 Ohm) 12	146333	Plate, Base 4
3640	Washer, Lock 5, 6, 7, 9, 10, 11	120139	Fuse (1 Amp) 12	146334	Guide, Tape 6
3642	Washer, Flat 2, 4	120165	Fuse (10 Amp) 3	146337	Brace, Left 4
3646	Washer, Lock 2, 4, 5, 6, 10, 11, 12	120166	Fuse (2 Amp) 12	146338	Brace, Right 4
5599	Nut (8-32 Hex) 4, 5, 6	121245	Clamp, Cable (5/16" ID) 2, 6	146339	Stud 4, 7
6032	Screw (8-32 x 7/16 Fil) 12	121247	Clamp, Cable (7/16" ID) 2	146344	Casing, Fan Wheel 7
6344	Screw (6-32 x 11/32 Hex) 5	121249	Clamp, Cable (5/8" ID) 2	146345	Casing, Fan Wheel 7
6345	Nut (6-32 Hex) 2	124611	Screw (8-32 x 3/8 Hex) 2, 4, 5	146347	Plate, Mounting 7
7002	Washer, Flat 2, 4, 5, 6, 9	125011	Washer, Flat 5	146348	Bracket, Tape Guide 5
35551	Screw (10-32 x 3/8 Flat) 4	125390	Washer, Flat 10, 11	146350	Lever W/Shaft 6
41746	Bushing, Insulating 5	125733	Washer, Flat 7	146354	Core W/Bearing 5
42827	Screw (3-48 x 1/4 Fil) 4	125802	Washer, Flat 2, 4	146355	Plunger 6
70529	Stiffener 5	128913	Screw, Self-Tapping (8-32) 2	146356	Tube, Chad 7
71695	Spacer 5	135637	Resistor (25 Ohm) 4	146420	Cable Assembly 9
74526	Collar 8	139336	Resistor (150 Ohm) 9	146421	Bracket, Mounting 4
74728	Terminal, Contact 5	139778	Switch, Toggle (DP-DT) 10	146509	Chute W/Bracket 7
75750	Washer, Insulating 4	142158	Holder, Lamp 9	146512	Post 6
76099	Washer, Flat 4	142964	Board, Terminal 4	146515	Cable W/Terminals 3
77902	Screw (6-40 x 2-3/8 Rd) 4	143000	Contact Assembly, Tape Out 5	146518	Roller, Spring 6
78044	Post, Spring 6	143003	Stud 5	146521	Card, Circuit (EC521) 5, 13
82097	Spring, Contact 5	143004	Cover, Insulating 5	146522	Relay, Motor Control 5, 13
82474	Terminal 3, 4, 5	144216	Connector, Red Insulated 10, 11	146524	Plate, Mounting 5
82547	Insulator (.094") 5	144227	Connector, Black Insulated 11	146525	Guide, Card 5
82548	Insulator (.062") 5	145900**	Shell, Cabinet 2, 3	146526	Spacer (.125") 5, 13
82720	Screw, Set (6-40) 8	145901**	Door, Front 2	146528	Modification Kit 5
82861	Spring 6	145902**	Panel, Rear 2	146531	Faceplate 3,9
83960	Washer, Flat 4	145903	Mount, Vibration 6	146534**	Panel, Blank 3
84666	Spring, Contact 5	145904	Hinge, Top 2	146542	Post Assembly 5, 13
84705	Spring, Contact 5	145905	Hinge, Bottom 2	146545	Resistor Assembly 4
89897	Nut (10-32 Hex) 4	145906	Panel, Service 3	146547	Latch, Core 5
90951	Washer, Lock 6, 10, 11	145907**	Panel, Control 3	146602	Card, Identification 3
91683	Nut (15/32-32 Hex) 9, 10, 12	145908	Plate, Name 3	146612	Spring, Compression 6
91684	Nut (15/32-32 Ring) 9, 10, 12	145909	Channel, Left 4	146628	Roller, Spring 6
92748	Screw (6-40 x 1-7/16 Fil) 5	145910	Channel, Right 4	146629	Pad, Cover 3
94660	Connector (90°) 9	145913	Connector, Receptacle Type (25 Pt) 9	146630	Insulator (.015") 5
97193	Jumper (12-1/2" Black) 4	145914	Connector, Plug Type 5, 9, 13	146631	Cable Assembly W/Suppressor 9
97266	Plate, Clamp 5	145915	Clamp, Cable 9	146633	Bag, Chad 7
97818	Roller, Tape 6	145917	Bracket W/Post 6	146636	Bracket, Mounting 9
98718	Washer, Flat 4, 6	145918	Arm, Tape 6	146637	Clip, Spring 4
98726	Screw (3-48 x 1/4 Fil) 5	145930	Hub Assembly 6	146638	Cable Assembly W/Suppressor 9
98819	Knob 12	145932	Arm, Tape Brake 5, 8	146700	Strip, Trim 4
100832	Screw, Drive (#0 x 3/16) 10, 11	145938**	Plate, Front 4, 6	146761	Jack, Banana (Red) 10
101385	Spring 6	145941	Tray, Chad Bag 4	146825**	Plate, Adapter 3
104124	Screw (1/4-32 x 11/32 Hex) 7	145942	Box, Chad 4	147986	Pad W/Adhesive 7
105803	Switch, Toggle (DP-ST) 12	145943	Frame, Inner 4	148100	Decal 5
107116	Washer, Lock 3, 4, 6	145946**	Cover W/Pad and Window 3	148103	Chute W/Bracket 7
107364	Screw (6-32 x 3/8 Fil) 3	145948	Brace 4	148105	Lid 7
107398	Terminal 3, 6	145949	Brace 4	148108	Clip, Spring 7
108959	Switch, Toggle (DP-ST) 9	145950	Bracket, Vibration Mounting 4	148109	Chute Assembly, Chad 7
110191	Washer, Lock 2	145951	Cable Assembly 9	148124	Bracket 10
110743	Washer, Lock 2, 4	145952	Panel, Divider 5, 13	148125	Switch Assembly 10
111017	Screw (6-40 x 5/16 Fil) 3, 4, 5, 13	145954	Slide 5	148128	Washer, Flat 5
112626	Nut (10-32 Hex) 2, 4, 7	145955	Plate, Bearing 5	148251	Connector, Receptacle (3 Pt) 12
114466	Connector, Receptacle (3 Pt) 9	145956	Slide 5	149740**	Door, Front 2
114467	Connector, Plug (3 Pt) 3	145960	Lever W/Hub 6	149787	Modification Kit 1, 8
114478	Nut (15/32-32 Hex) 9	145963	Bracket, Contact Mounting 5	149788	Lever, Tape Brake 8
115594	Nut, Speed 5	145964	Bracket, Brake Arm Mounting 5	149789	Plate, Lower Guide 8
116783	Holder, Fuse 3, 12	145965	Bracket, Brake Retaining 5	149790	Plate, Nut 8
		145967**	Panel 3	149791	Spring, Tape Arm 8
				149792	Suppressor, Noise 9

\*\*Refer to page 1 for finish suffix

## NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
149938	Screw, Shoulder (4-40) 5	170505	Gusset, Upper 10, 11	172365	Card, Circuit (EC365) 10
149939	Washer, Spring 5	170506	Gusset, Lower 10, 11	172374	Card, Circuit (EC374) 10
149974	Switch, Mercury 6	170507	Bracket, Latch 10, 11, 12	172375	Card, Circuit (EC375) 11
150949	Plate, Serial 10, 11	170509	Latch W/Hub 10, 11, 12	172391	Card, Circuit (EC391) 10
150966	Insulator (1-4) 4, 5, 13	170556	Resistor (300 Ohms) 12	172392	Card, Circuit (EC392) 10
151073	Screw (4-40 x 5/32 Fil) 10, 11	170557	Diode 12	172393	Card, Circuit (EC393) 10
151335	Stud 3, 4, 5, 13	171440	Capacitor (10000 MFD) 12	172394	Card, Circuit (EC394) 10
151346	Screw (6-40 x 3/8 Fil) 10, 11, 13	171442	Rheostat (2 Ohms) 12	172395	Card, Circuit (EC395) 10
151357	Plate, Patent 10, 11	171443	Rheostat (10 Ohms) 12	172396	Card, Circuit (EC396) 11
151411	Block, Terminal 3	171445	Resistor (15 Ohms) 12	172401	Card, Circuit (EC401) 10
151412	Insulator (1-9) 3	171446	Resistor (120 Ohms) 12	172420	Card, Circuit (EC420) 10
151415	Block, Terminal 4, 5, 13	171447	Switch, Rotary 12	172431	Card, Circuit (EC431) 11
151416	Nut (6-40 Hex) 3, 4, 5, 13	171448	Resistor (10 Ohms) 12	172469	Card, Circuit (EC469) 10, 11
151610	Washer, Flat 5	171449	Voltmeter 12	172473	Card, Circuit (EC473) 10
151626	Terminal 9	171450	Capacitor (.5 MFD) 12	172475	Card, Circuit (EC475) 10
151630	Screw (6-40 x 1/4 Hex) 3, 4, 5, 6, 13	171451	Capacitor (3500 MFD) 12	172490	Card, Circuit (EC490) 10
151631	Screw (6-40 x 5/16 Hex) 4, 5, 8	171452	Capacitor (17000 MFD) 12	172497	Card, Circuit (EC497) 13
151632	Screw (6-40 x 3/8 Hex) 3, 4, 6	171453	Capacitor (6200 MFD) 12	172715	Screw, Captive (10-24) 2
151657	Screw (6-40 x 1/4 Fil) 2, 3, 5, 10, 11, 13	171454	Capacitor (48000 MFD) 12	172727	Post 6
151686	Screw (4-40 x 3/8 Fil) 6	171490	Connector, Card (15 Pt) 5	172763	Nut, Grip 2
151687	Screw (4-40 x 7/16 Fil) 2, 4	171500	Fastener 10, 11, 12	173116	Pin 6
151694	Screw (6-40 x 11/32 Fil) 10, 11, 12	171544	Handle (2-3/4" Lg) 10, 11, 12	173715	Terminal, Plug Type 5, 9, 13
151827	Strap, Terminal 3	171559	Lamp (28 V) 9	173716	Terminal, Receptacle Type 9
151880	Nut (4-40 Hex) 5, 10, 11, 12	171560	Lens, Lamp (Red) 9	173940	Terminal, Plug Type 9, 13
152893	Screw (4-40 x 1/4 Hex) 9	171563	Lens, Lamp (Amber) 9	173941	Terminal, Receptacle Type 9
153103	Screw, Self-Tapping (4-40) 3	171590	Capacitor (3 MFD) 12	174001	Connector, Receptacle (3 Pt) 3
153631	Network, Spark Suppression 9	171611	Transformer 12	174618	Latch, Door 2
153819	Washer, Lock 4, 13	171612	Diode 12	174619	Strike, Door 2
154156	Grommet, Rubber 13	171613	Diode 12	174678	Nut, Speed 3
154661	Diode 4, 5, 13	171614	Diode 12	174718	Jumper (4" Black) 10, 11
155750	Sleeve, Insulating (3/32 ID x 1/2" Lg) 11	171615	Diode 12	174722	Connector, Plug (50 Pt) 9
155752	Sleeve, Insulating (5/64 ID x 5/8" Lg) 9, 10, 11, 13	171622	Holder, Lamp 12	174723	Connector, Plug (80 Pt) 9
155753	Sleeve, Insulating (1/8 ID x 1/2" Lg) 9	171624	Cartridge, Lamp (Amber-ON) 12	174728	Plate Assembly (50 Pt) 12
155755	Sleeve, Insulating (11/64 ID x 5/8" Lg) 9	171641	Fuse (6 Amp) 12	174730	Plate Assembly (50 Pt) 10
156536	Screw (4-40 x 1/8 Fil) 7	171642	Fuse (1.6 Amp) 12	174731	Plate Assembly (80 Pt) 11
156656	Jumper (2-3/4" Black) 3	171643	Connector, Receptacle (3 Pt) 9	174739	Insulator, White 10, 11, 12
156740	Screw (6-40 x 7/32 Hex) 5	171658	Fuse (3 Amp) 12	174743	Terminal, Plug Type 10, 11, 12
156768	Screw (8-32 x 9/32 Hex) 4, 5, 6	171675	Connector, Plug (3 Pt) 12	174747	Screw (4-40 x 5/16 Fil) 12
158720	Roller 5	171683	Strip, Identification 10	174750	Key Assembly 10, 11, 12
159198	Retainer, Tape 5	171684	Strip, Identification 11	174776	Plate, Connector 10, 11
159597	Washer, Flat 5	172021	Plate, Identification 10	174785	Terminal, Plug Type 9
159610	Mount, Vibration 4	172022	Plate, Identification 10	174795	Screw (6-40 x 1/4 Fil) 10, 11
160369	Switch, Pushbutton 9	172023	Plate, Identification 10	174796	Screw (2-56 x 5/64 Fil) 10, 11
160664	Pin, Roll 6	172024	Plate, Identification 10	174797	Screw (6-40 x 3/8 Fil) 12
160840	Post, Anchor 6	172025	Plate, Identification 10	174799A	Screw (4-40 x 11/32 Fil) 10, 11
161552	Screw (10-32 Spl) 4	172026	Plate, Identification 10	175087**	Plate, Front 10, 11
161569	Plate 7	172027	Plate, Identification 10	177149**	Module 1, 12
161708	Latch, Magnetic 2, 4	172028	Plate, Identification 10	177294	Jack, Banana (Black) 12
161711	Block, Guide 4	172029	Plate, Identification 10	177410	Spring, Lutch 10, 11
161716	Block, Support 4	172030	Plate, Identification 10	179495	Screw (10-24 x 1/2 Hex) 4
162725	Depressor, Chad 6	172031	Plate, Identification 10	181393	Terminal 4
164119	Plate, Identification (Teletype) 10, 11	172034	Plate, Identification 11	190637	Post 4
165053	Cushion, Red Rubber 4	172035	Plate, Identification 11	193040	Connector, Card (15 Pt) 10, 11, 13
165084	Button 3	172036	Plate, Identification 11	193220	Clip, Jumper 10, 11
165239	Cord W/Plug 9	172037	Plate, Identification 11	199554**	Panel 3
170500A	Frame Assembly 1C, 11	172039	Plate, Identification 10	199557**	Panel, Blank 3
170501	Frame, Left 10, 11	172322	Card, Circuit (EC322) 11	199593	Modification Kit 1, 13
170502	Frame, Right 10, 11	172323	Card, Circuit (EC323) 11	199594	Plate, Mounting 13
		172326	Card, Circuit (EC326) 10	199785	Relay, Delay 13
		172333	Card, Circuit (EC333) 10, 11	199901	Reel, Tape 6
		172347	Card, Circuit (EC347) 10, 11	199936	Reel Assembly, Tape 5
		172351	Card, Circuit (EC351) 11	305056	Plate, Identification 3
		172352	Card, Circuit (EC352) 11	307841	Plate, Name 3
		172355	Card, Circuit (EC355) 11	309899	Network, Spark Suppression 6
		172359	Card, Circuit (EC359) 10, 11	311487	Ring, Chad Bag 7
		172363	Card, Circuit (EC363) 10, 11	319279	Window 3

\*\*Refer to page 1 for finish suffix