

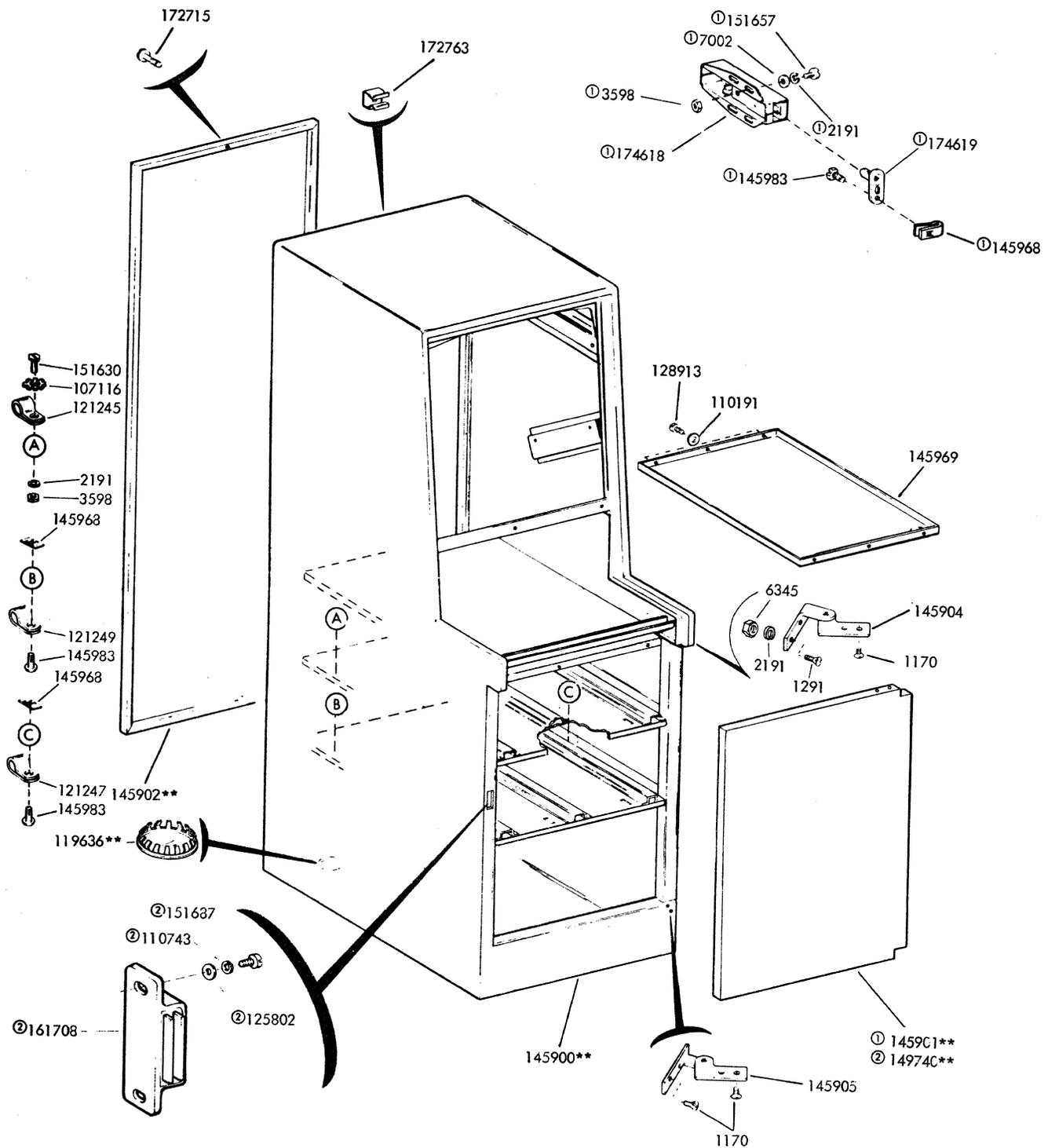
HIGH SPEED TAPE RECEIVER CABINET (AC)
AND
MODULES (TRD AND TRSC)
TYPES 1 AND 2
PARTS

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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	BK	GA	
Beige, Rose		ER			Gray, Light		EJ		HB
Black	AA				Gray, Covert				HE
Black, High Gloss		BA			Gray, Olive		EW	GE	HF
Black, Semi Gloss		BB			Gray, Maritime				
Blue, Aqua		EK			Deck	AJ	BJ		
Blue, Brussels Light		EC			Gray, Oxford		EP		
Blue, Medium		ES			Green, Gray	AB	BK	GA	
Brown, Dark	AD				Green, Moss		EN		HD
Brown, Light	AC				Ivory		EM		
Fawn				HG	Pink, Rose		EU		
Gray, Beige			GC		Turquoise		EV		
Gray, Charcoal	AL	BZ	GF	HA	White		EH		
Gray, Dark			GB		Yellow, Pastel		EG		

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

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

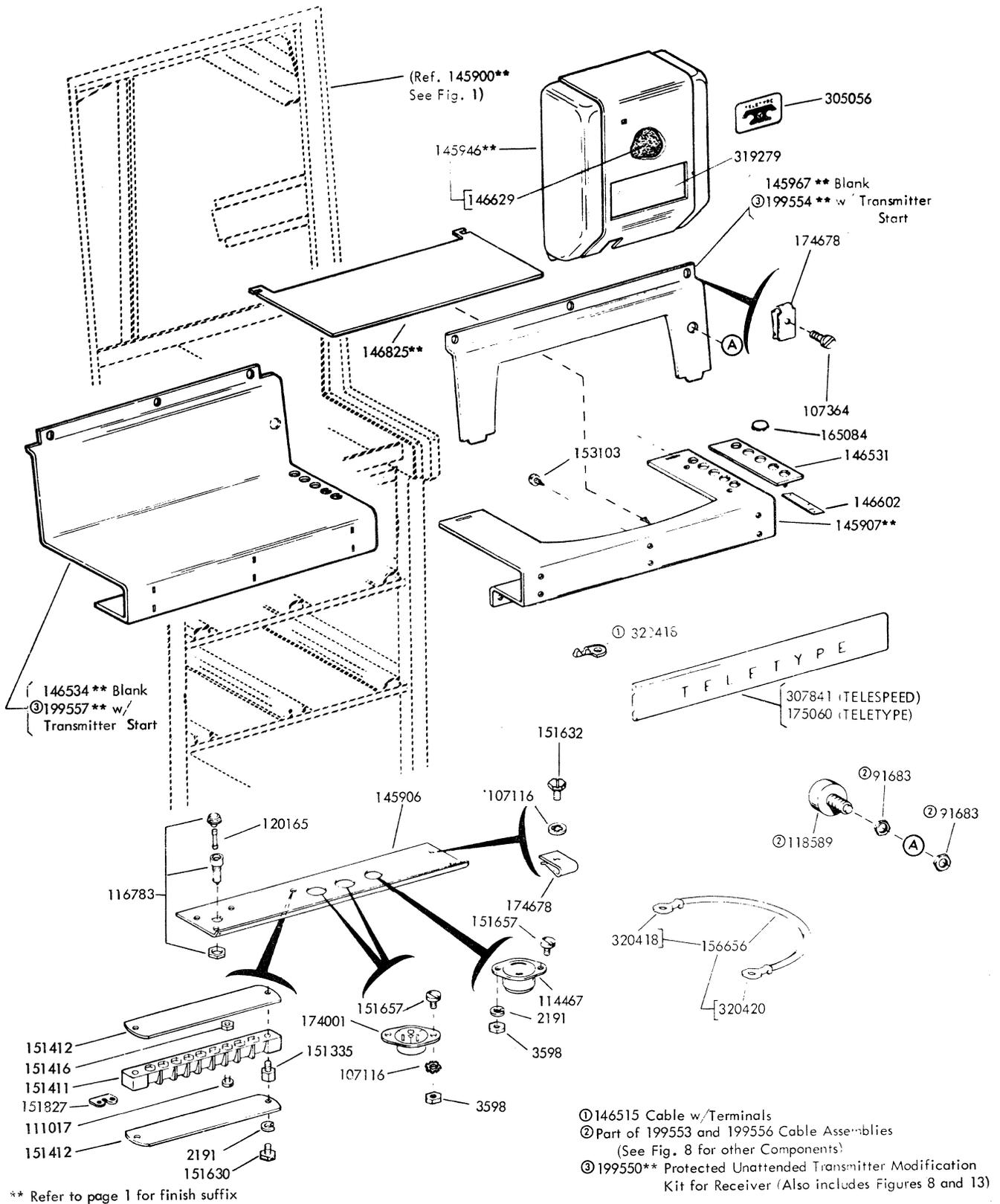
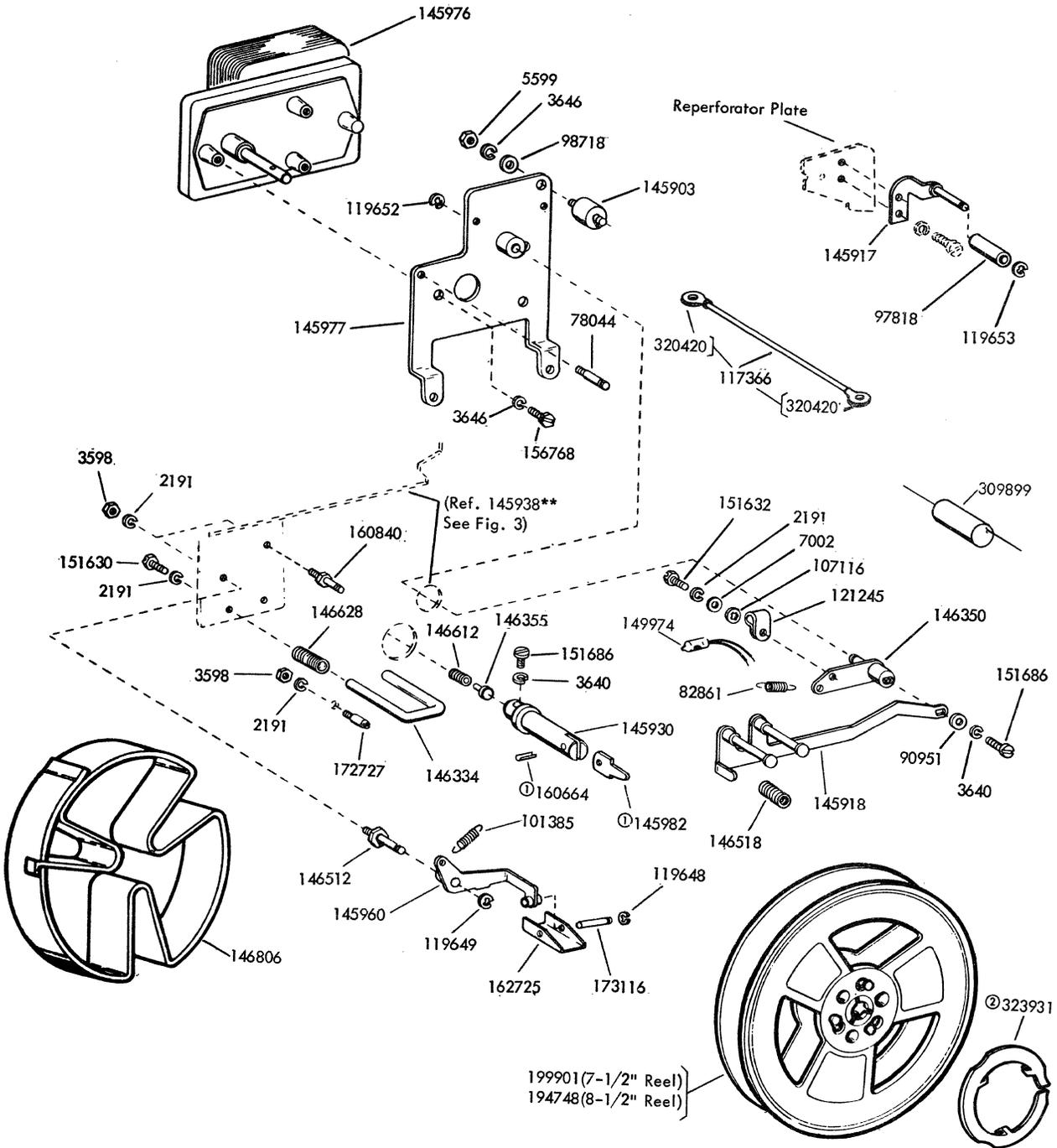


FIGURE 2. FRONT PANELS



**Refer to page 1 for finish suffix

① Part of 145930
② Used to remove static from Tape on Winder Reel.

FIGURE 5. TAPE WINDER COMPONENTS

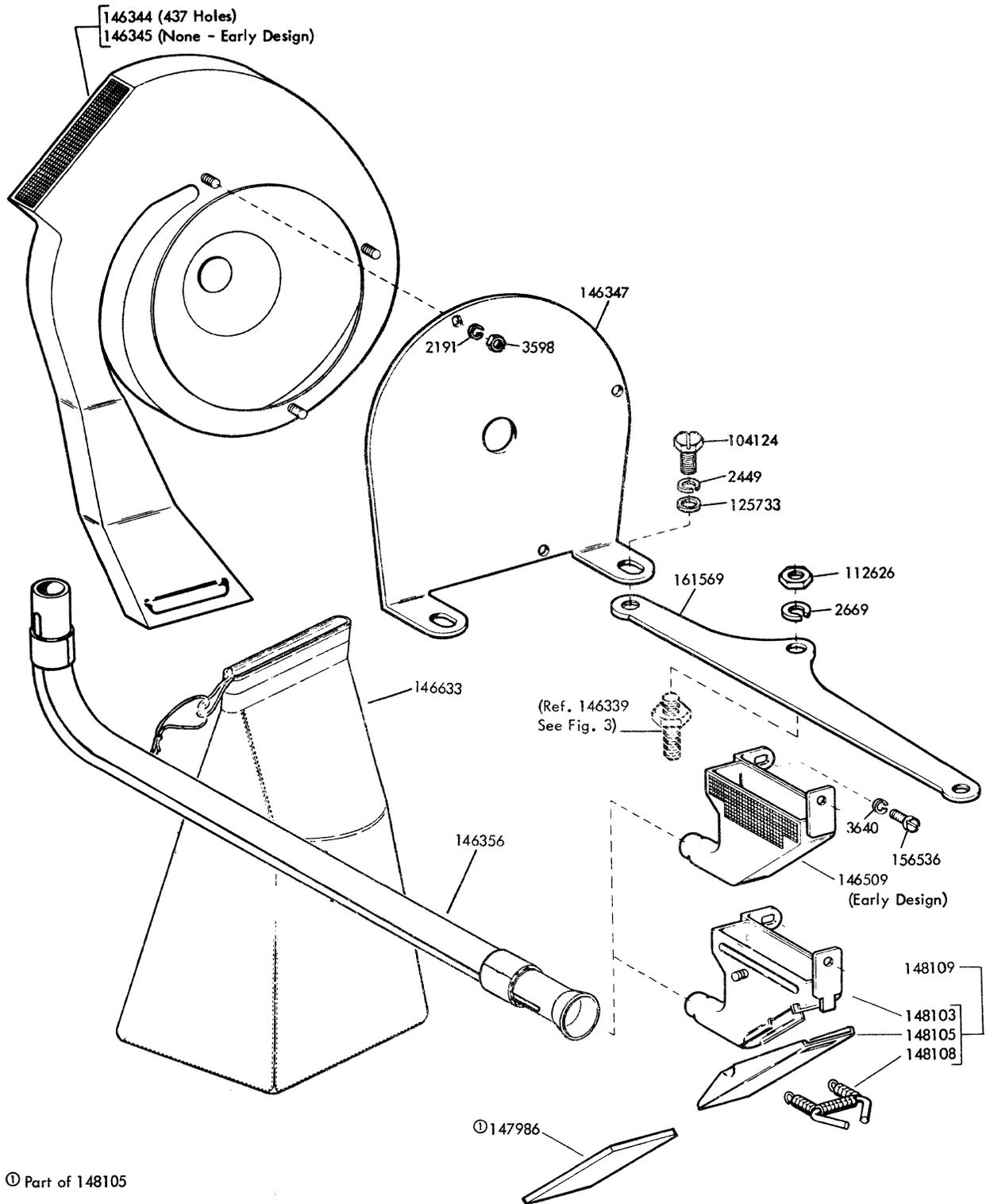
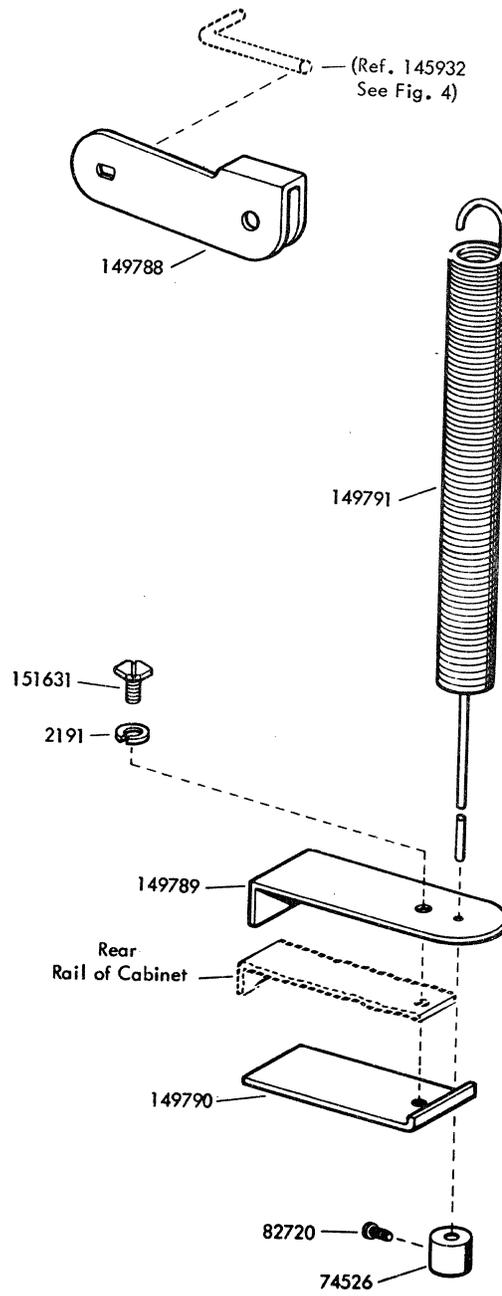


FIGURE 6. CHAD BLOWER COMPONENTS



Specification 50321S

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

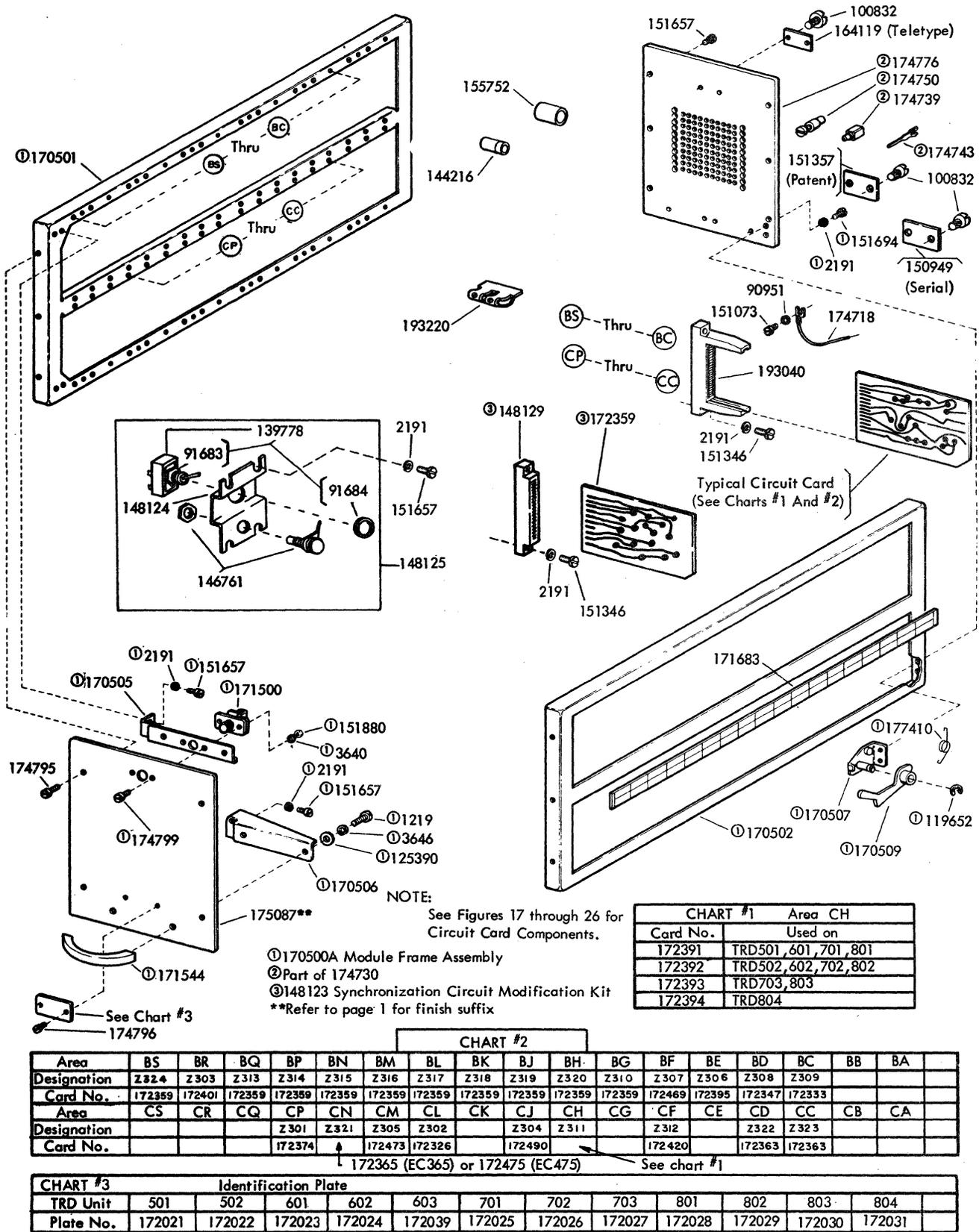
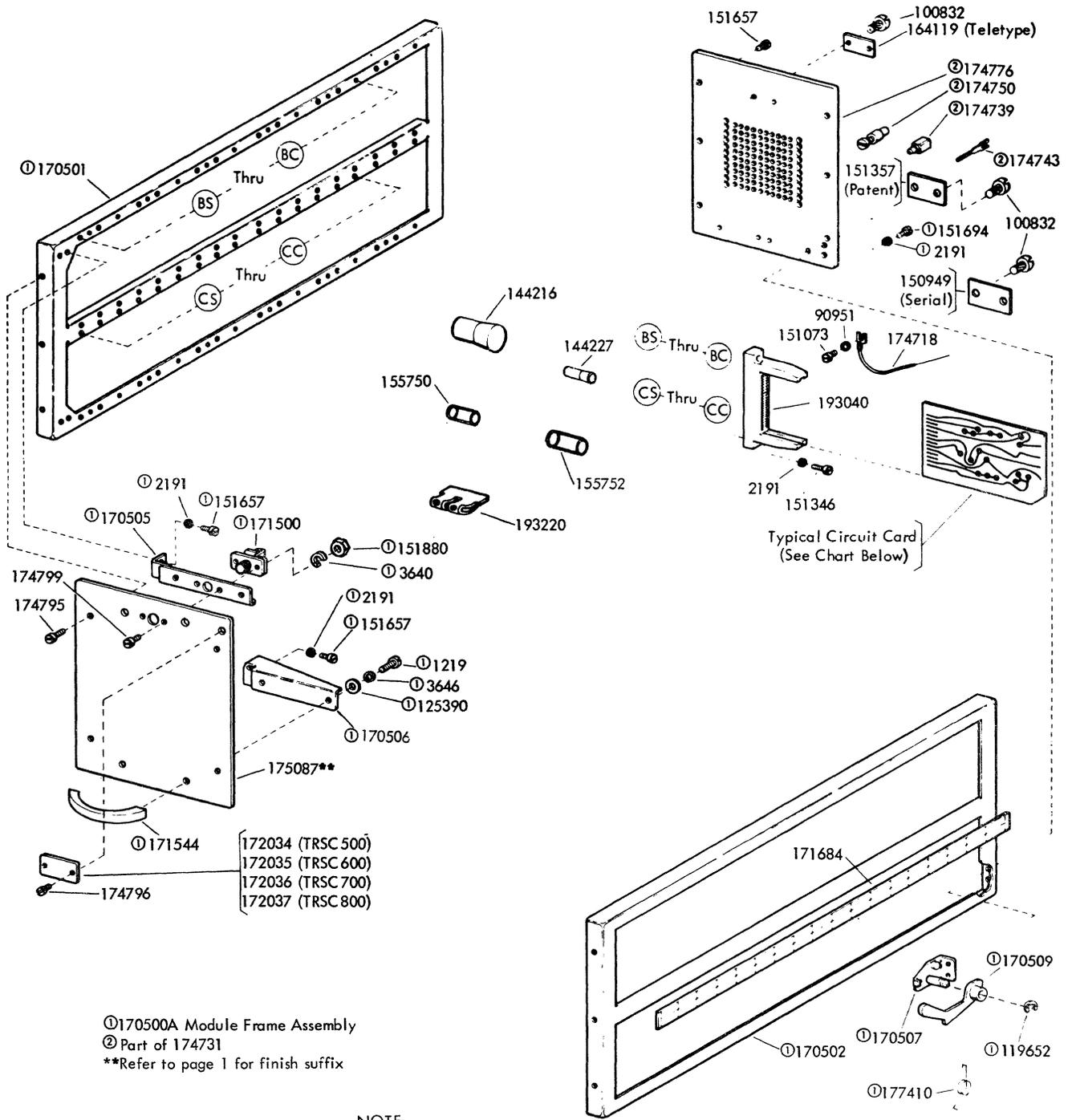


CHART #1		Area	CH
Card No.	Used on		
172391	TRD501, 601, 701, 801		
172392	TRD502, 602, 702, 802		
172393	TRD703, 803		
172394	TRD804		

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	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		

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)



①170500A Module Frame Assembly
 ② Part of 174731
 **Refer to page 1 for finish suffix

NOTE:
 See Figures 17 through 26 for
 Circuit Card Components.

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)

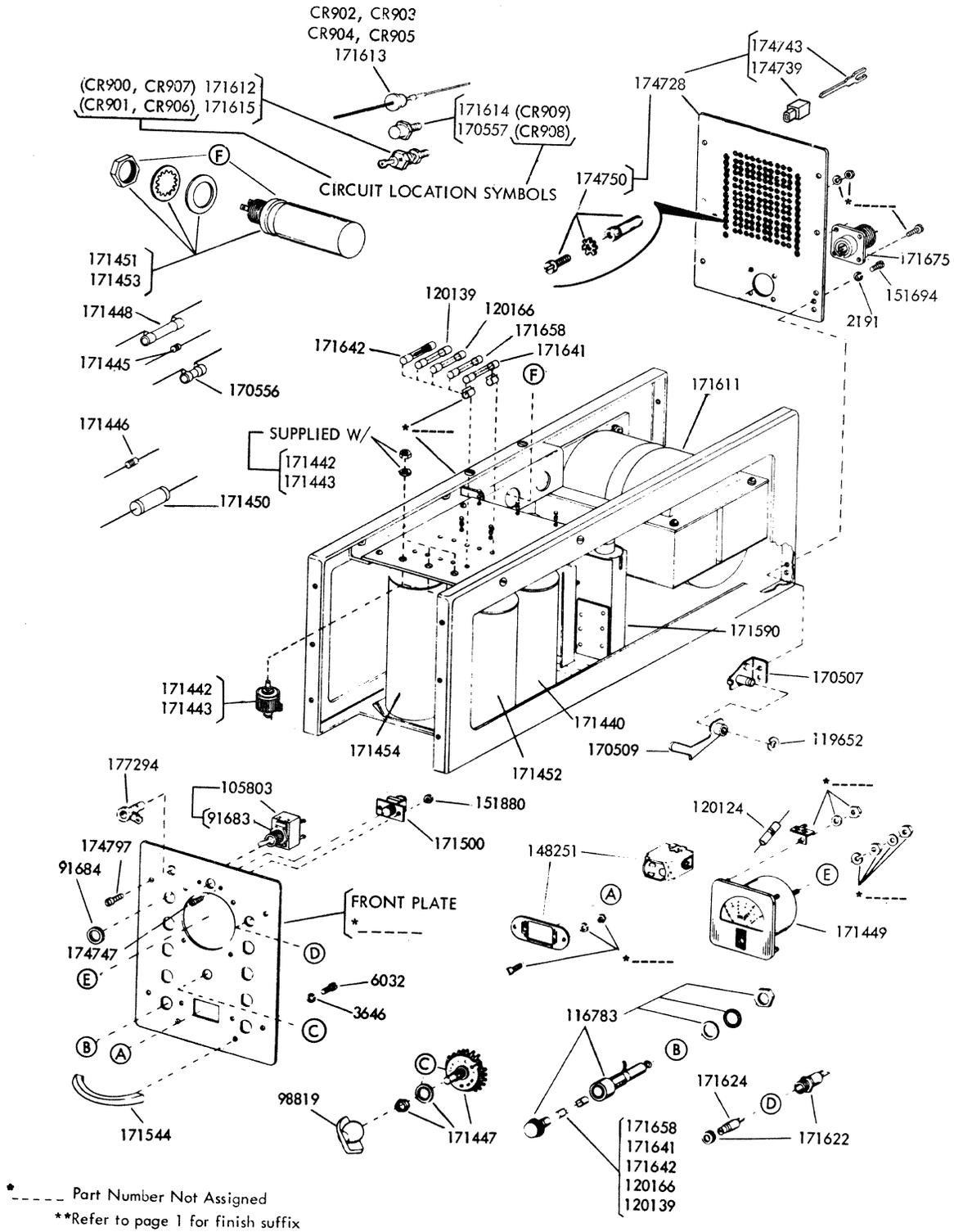


FIGURE 11. 177149** MULTI-VOLTAGE RECTIFIER MODULE

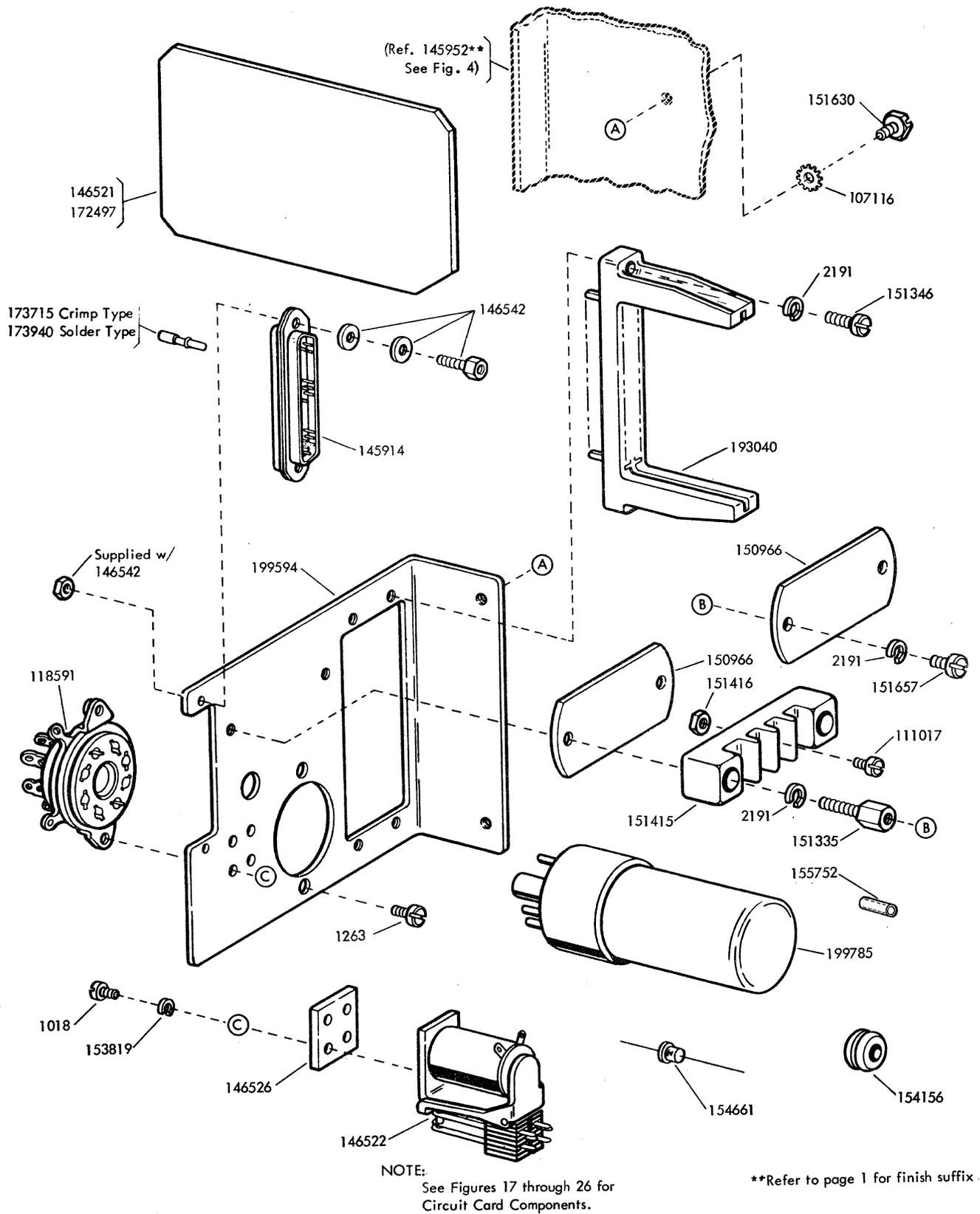
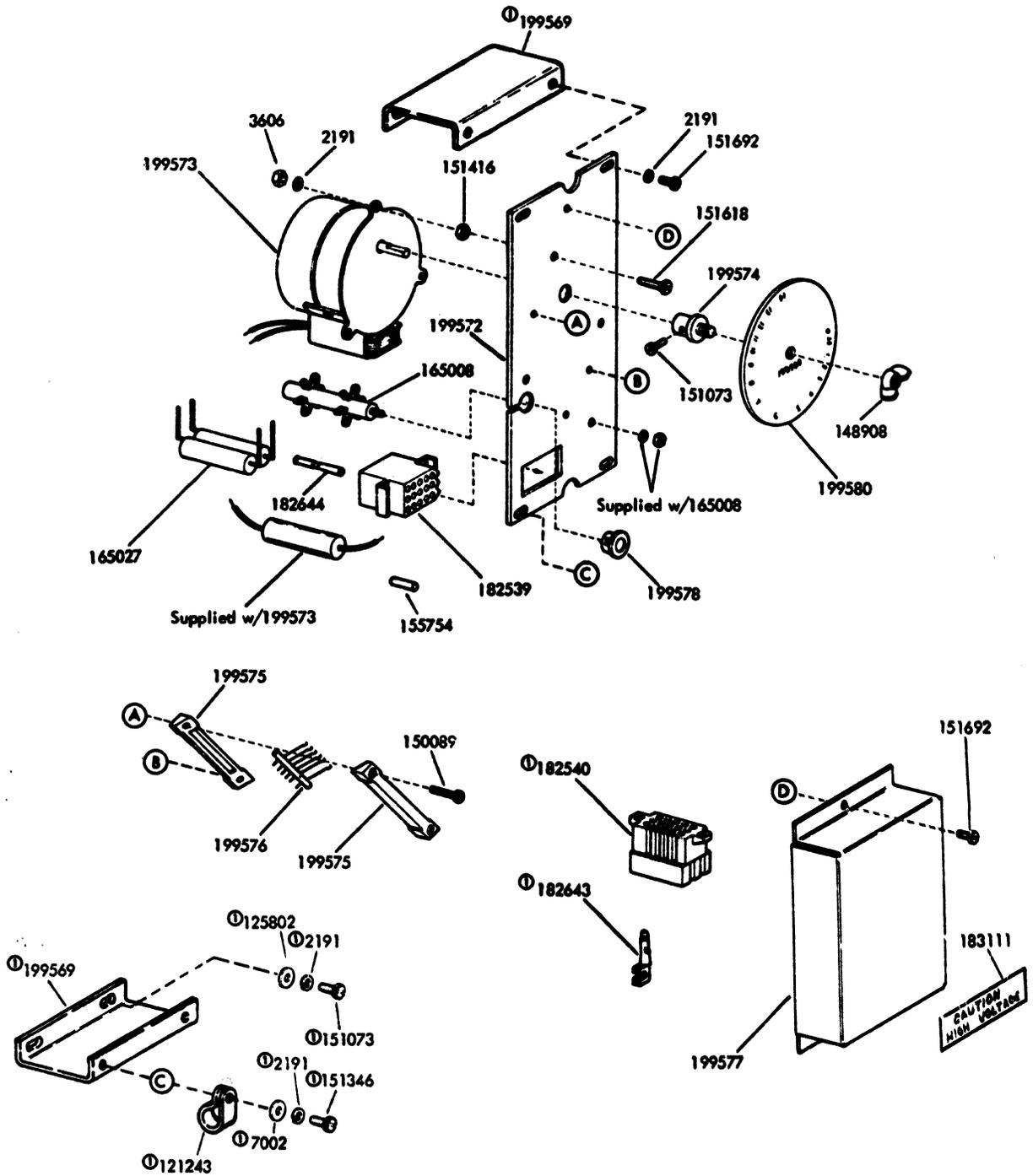
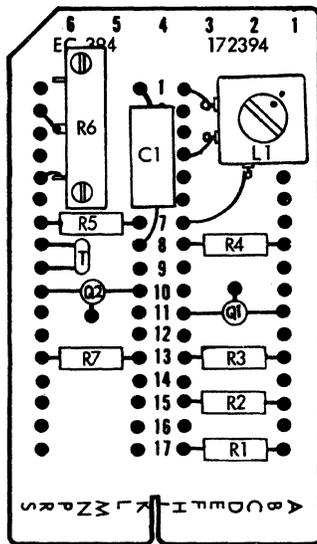


FIGURE 12. 199593 MODIFICATION KIT TO PROVIDE AUTOMATIC ANSWER

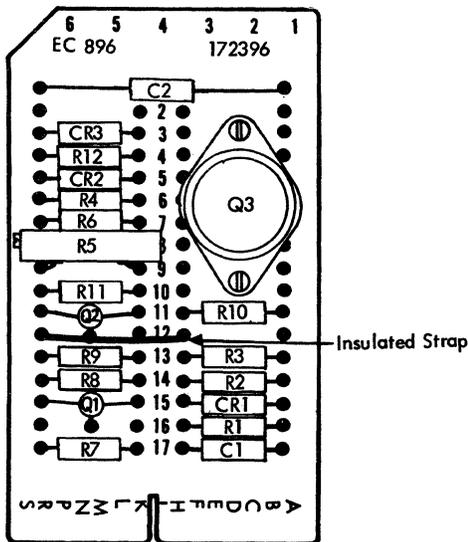


Ⓧ Not Part of 199570

FIGURE 16. 199570 SIGNAL GENERATOR ASSEMBLY

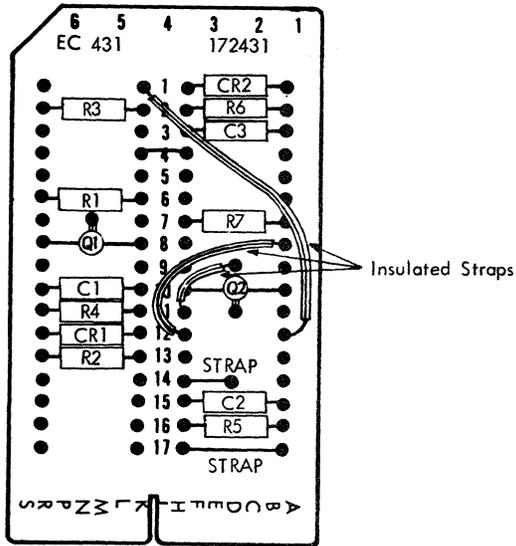


Ref Desig	Part Number	Total Qty	Description
R1	118147	1	Resistor, Fixed 6800 Ohm
R2	129856	1	Resistor, Fixed 150 Ohm
R3			Same as R2
R4	137442	1	Resistor, Fixed 1500 Ohm
R5	137441	1	Resistor, Fixed 1200 Ohm
R6	171565	1	Resistor Variable 10K Ohm
R7	129852	1	Resistor, Fixed 2200 Ohm
T	171830	1	Thermister 10K Ohm
C1	i71834	1	Capacitor, Polystyrene .050 MFD
L1	171686	1	Adjustroid .475H
Q1	177105	2	Transistor P-22
Q2			Same as Q1
	172047	1	Card, Circuit
	121018	2	Nut 4-40 Hex
	90951	2	Lockwasher
	1178	2	Screw 2-56 x .431 Fil
	110446	2	Nut 2-56 Hex
	144495	2	Pad, Transistor

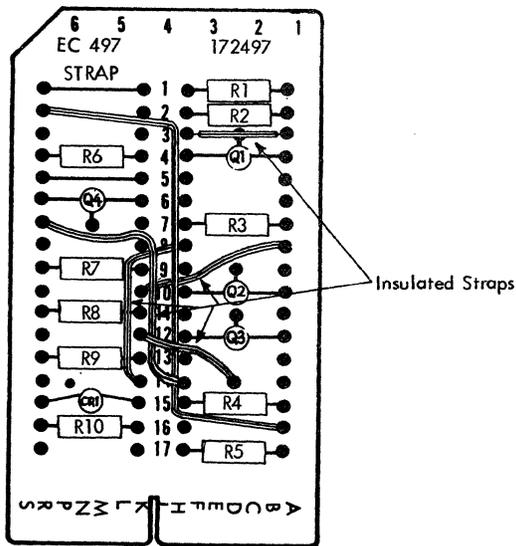


Ref Design	Part Number	Total Qty	Description
C1	171567	1	Capacitor, Ceramic .005 MFD
C2	171579	1	Capacitor, Mylar .47MFD
CR1	177108	3	Diode D-2
CR2			Same as CR1
CR3			Same as CR1
R1	118180	1	Resistor, Fixed 10K Ohm
R2	118144	1	Resistor, Fixed 2700 Ohm
R3	118177	1	Resistor, Fixed 22K Ohm
R4	118147	1	Resistor, Fixed 6800 Ohm
R5	171145	1	Resistor Variable 25K Ohm
R6	137441	2	Resistor, Fixed 1200 Ohm
R7			Same as R6
R8	137442	1	Resistor, Fixed 1500 Ohm
R9	118146	1	Resistor, Fixed 4700 Ohm
R10	129850	1	Resistor, Fixed 680 Ohm
R11	137601	1	Resistor, Fixed 68 Ohm
R12	171589	1	Resistor, Fixed 1 Ohm
Q1	177105	2	Transistor, P-22
Q2			Same as Q1
Q3	171607	1	Transistor, 2N380
	172064	1	Card, Circuit
	144495	2	Pad, Transistor
		1	Strap 24 AWG Insulated

FIGURE 24. 172394 AND 172396 CIRCUIT CARDS

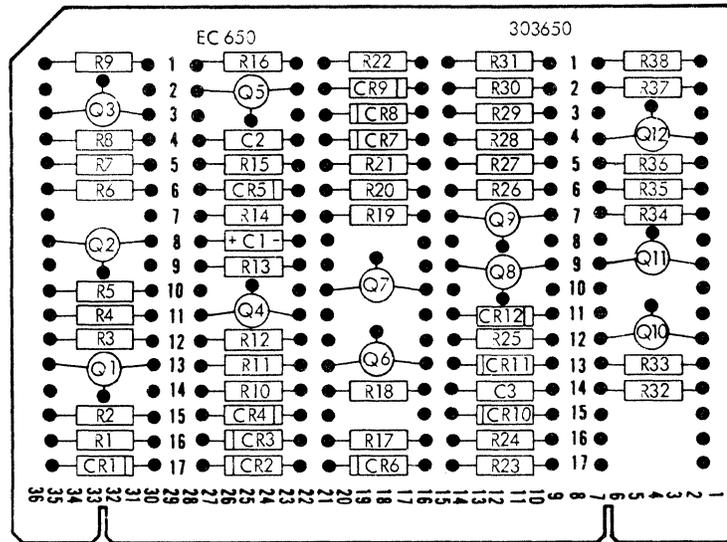


Ref Design	Part Number	Total Qty	Description
C1	171566	1	Capacitor, Ceramic .01MFD
C2	171567	1	Capacitor, Ceramic .005 MFD
C3	171585	1	Capacitor, Mylar .22 MFD
CR1	177108	2	Diode D-2
CR2			Same as CR1
R1	118144	1	Resistor, Fixed 2700 Ohm
R2	137441	1	Resistor, Fixed 1200 Ohm
R3	129852	1	Resistor, Fixed 2200 Ohm
R4	118180	1	Resistor, Fixed 10K Ohm
R5	118186	1	Resistor, Fixed 5600 Ohm
R6	137440	1	Resistor, Fixed 1000 Ohm
R7	118177	1	Resistor, Fixed 22K Ohm
Q1	177106	1	Transistor (NPN) N-33
Q2	177105	1	Transistor (PNP) P-22
	172067	1	Card, Circuit
	144495	2	Pad, Transistor
		3	Straps, Bare 24AWG
		3	Straps, Insulated 24 AWG



Ref Design	Part Number	Total Qty	Description
R1	118177	2	Resistor, Fixed 22K Ohm
R2			Same as R1
R3	118150	1	Resistor, Fixed 15K Ohm
R4	137438	1	Resistor, Fixed 100 Ohm
R5	118166	1	Resistor, Fixed 56 Ohm
R6	129851	2	Resistor, Fixed 3.3K Ohm
R7	118149	1	Resistor, Fixed 12K Ohm
R8	118153	1	Resistor, Fixed 33K Ohm
R9			Same as R6
R10	199591	1	Resistor, Fixed 180 Ohm
CR1	199590	1	Diode, 12V 1.5W
Q1	177105	2	Transistor P-22
Q2			Same as Q1
Q3	177224	1	Transistor P-41
Q4	177422	1	Transistor N-39
	172067	1	Card, Circuit
	144495	4	Pad, Transistor
		6	Strap, 24 AWG Insulated
		2	Strap, 24 AWG Bare

FIGURE 25. 172431 AND 172497 CIRCUIT CARDS



Reference Designation	Teletype Part No.	Total Qty.	Name and Description
C1	179529	1	Capacitor, Tanalium 1.0 MFD.
C2	171567	1	Capacitor, Ceramic .005 MFD.
C3	177332	1	Capacitor, Ceramic .002 MFD.
CR1	177611	2	Diode Silicon
CR2			Same as CR1
CR3			Same as CR1
CR4			Same as CR1
CR5			Same as CR1
CR6	177108	3	Diode, D2
CR7			Same as CR6
CR8			Same as CR6
CR9			Same as CR1
CR10			Same as CR1
CR11			Same as CR1
CR12			Same as CR1
R1	118146	2	Resistor, Fixed 4.7K
R2	118150	2	Resistor, Fixed 15K
R3	137441	6	Resistor, Fixed .12K
R4	129852	2	Resistor, Fixed 2.2K
R5	118147	3	Resistor, Fixed 6.8K
R6	118146		Same as R1
R7	118150		Same as R2
R8	137441		Same as R3
R9	118186	2	Resistor, Fixed 5.6K
R10	137441		Same as R3
R11	137441		Same as R3
R12	137602	2	Resistor, Fixed 470 Ohms
R13	137438	1	Resistor, Fixed 100 Ohms
R14	118157	1	Resistor, Fixed 68K
R15	137441		Same as R3
R16	118151	2	Resistor, Fixed 18K
R17	129851	4	Resistor, Fixed 3.3K
R18	129851		Same as R17
R19	118177	4	Resistor, Fixed 22K

Reference Designation	Teletype Part No.	Total Qty.	Name and Description
R20	118177	1	Same as R19
R21	129851		Same as R17
R22	118177		Same as R19
R23	129851		Same as R17
R24	118147		Same as R5
R25	118177		Same as R19
R26	118728	1	Resistor, Fixed 3.9K
R27	118147		Same as R5
R28	129852		Same as R4
R29	118186		Same as R9
R30	137441		Same as R3
R31	118151		Same as R16
R32	137443	2	Resistor, Fixed 1.8K
R33	118149	1	Resistor, Fixed 12K
R34	137443		Same as R32
R35	118724	1	Resistor, Fixed 220 Ohms
R36	137602		Same as R12
R37	118148	1	Resistor, Fixed 10K
R38	118144	1	Resistor, Fixed 27K
Q1	177105	7	Transistor P22
Q2	177224	4	Transistor P41
Q3	177105		Same as Q1
Q4	177610	1	Transistor Unijunction
Q5	177105		Same as Q1
Q6	177105		Same as Q1
Q7	177105		Same as Q1
Q8	177224		Same as Q2
Q9	177105		Same as Q1
Q10	177224		Same as Q2
Q11	177224		Same as Q2
Q12	177105		Same as Q1
EC	199559	1	Card, Circuit
	144495	1	Pad, Transistor

FIGURE 26. 303650 CIRCUIT CARD

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	110191	Washer, Lock 2,4	137440	Resistor, Fixed 1000 Ohm 19,20,24,26
1163	Screw, 4-40 x 3/16 Fil 14,16	110446	Nut, 2-56 Hex 24,25	137441	Resistor, Fixed 1,200 Ohm 18,19,20,21,22,25,26,27
1170	Screw, 6-32 x 5/16 Flat 2	110743	Washer, Lock 2,4	137442	Resistor, 1,500 Ohm 18,21,24,25
1178	Screw, 2-56 x 7/16 Fil 24,25	111017	Screw, 6-40 x 5/16 Fil 3,4,5,13	137443	Resistor, 1,800 Ohm 27
1219	Screw, 8-32 x 5/16 Fil 10,11,14,15,16	112626	Nut, 10-32 Hex 4,7	137601	Resistor, Fixed 68 Ohm 19,25
1263	Screw, 6-32 x 1/4 Fil 13	114466	Connector, 3 Pt Receptacle 9	137602	Resistor, 470 Ohm 27
1264	Screw, 10-32 x 1/2 Flat 4	114467	Connector, 3 Pt Plug 3	139336	Resistor, 150 Ohm 9
1291	Screw, 6-32 x 3/4 Flat 2	115594	Nut, Speed 5	139778	Switch, DP-DT Toggle 10
2191	Washer, Lock 2 to 8,10 to 17	116783	Holder, Fuse 3,12	142158	Holder, Lamp 9
2449	Washer, Lock 7	117366	Jumper, 8-1/2" Green 6	142964	Board, Terminal 4
2669	Washer, Lock 4,7	118144	Resistor, 2,700 Ohm 9,16,18,21,22,25 to 27	143000	Contact Assembly, Tape Out 5 Stud 5
3438	Washer, Flat 4,5	118146	Resistor, Fixed 4700 Ohm 19,20,25,27	143003	143003
3598	Nut, 6-40 Hex 2 to 7	118147	Resistor, 6,800 Ohm 21,24,25,27	143004	Cover, Insulating 5
3606	Nut, 6-40 Hex 17	118148	Resistor, 10,000 Ohm 27	143656	Resistor, 51 Ohm 21,22
3640	Washer, Lock 5,6,7,9,10,11,14 to 16	118149	Resistor, 12,000 Ohm 23,26,27	143667	Resistor, 3,900 Ohm 21
3642	Washer, Flat 4	118150	Resistor, 15,000 Ohm 26,27	144216	Guide, Spacing Pin 10,11
3646	Washer, Lock 4,5,6,10,11,12,14,15	118151	Resistor, 18,000 Ohm 27	144227	Connector, Black Insulated 11
5599	Nut, 8-32 Hex 4,5,6	118151	Resistor, 18,000 Ohm 27	144495	Pad, Transistor Mounting 18,19,20,21,22,24 to 27
6032	Screw, 8-32 x 7/16 Fil 12	118153	Resistor, 33,000 Ohm 26	145900**	Shell, Cabinet 2,3
6344	Screw, 6-32 x 11/32 Hex 5	118157	Resistor, 68K Ohm 27	145901**	Door, Front 2
6345	Nut, 6-32 Hex 2	118166	Resistor, 56 Meg Ohm 26	145902**	Panel, Rear 2
7002	Washer, Flat 2,4,5,6,9,17	118177	Resistor, 22,000 Ohm 18,21,22,25,26,27	145903	Mount, Vibration 6
35551	Screw, 10-32 x 3/8 Flat 4	118180	Resistor, 10,000 Ohm 18,21,25,26	145904	Hinge, Right 2
41746	Bushing, Insulating 5	118186	Resistor, Fixed 5,600 Ohm 18,19,22,26,27	145905	Hinge, Left 2
42827	Screw, 3-48 x 1/4 Fil 4	118578	Clamp, 3/4 ID Cable 9	145906	Panel, Service 3
70529	Stiffener 5	118589	Switch, Black Pushbutton 3	145907**	Panel, Control 3
71695	Spacer, x250" Thk 5	118591	Socket, Tube 13,16	145909	Channel, Left 4
74526	Collar 8	118724	Resistor, 220 Ohm 24,27	145910	Channel, Right 4
74728	Terminal, Contact 5	118725	Resistor, Fixed 270 Ohm 19	145913	Connector, 25 Pt Receptacle Type 9,14,16
75750	Washer, Insulating 4	118728	Resistor, 3,900 Ohm 27	145914	Connector, 25 Pt Plug Type 5,9,13,14,16
76099	Washer, Flat 4	119636**	Button, Plug 2	145915	Clamp, Cable 9,14,16
77902	Screw, 6-40 x 2-3/8 Rd 4	119648	Ring, Retaining 6	145917	Bracket w/Post 6
78044	Post, Spring 6	119649	Ring, Retaining 6	145918	Arm, Tape 6
82097	Spring, Contact 5	119652	Ring, Retaining 5,6,10,11,12,14,15	145930	Hub Assembly 6
82547	Insulator, .094" Thk 5	119653	Ring, Retaining 6	145932	Arm, Tape Brake 5,8
82548	Insulator, .062" Thk 5	120124	Resistor, 33,000 Ohm 12	145938**	Panel, Front 4,6
82720	Screw, 6-40 Set 8	120139	Fuse, 1 Amp 12	145941	Tray, Chad Bag 4
82832	Washer, Lock 4	120165	Fuse, 10 Amp 3	145942	Box, Chad 4
82861	Spring 6	120166	Fuse, 2 Amp 12	145943	Frame, Inner 4
83960	Washer, Flat 4	121018	Nut, 4-40 Hex 24,25	145946**	Cover w/Pad 3
84666	Spring, Contact 5	121243	Clamp, 3/16 ID Cable 17	145948	Brace 4
84705	Spring, Contact 5	121244	Clamp, 1/4 ID Cable 4	145949	Space 4
89897	Nut, 10-32 Hex 4	121245	Clamp, 5/16 ID Cable 2,6	145950	Bracket, Vibration Mount 4
90951	Washer, Lock 6,10,11,24,25	121247	Clamp, 7/16 ID Cable 2,5	145951	Cable Assembly 9
91228	Strap, 2-1/2" Braided 4	121249	Clamp, 5/8 ID Cable 2	145952**	Panel, Divider 5,13
91683	Nut, 15/32-32 Hex 3,10,12	124611	Screw, 8-32 x 3/8 Hex 4,5	145954	Slide 5
91684	Nut, 15/32-32 Ring 9,10,12	124878	Washer, Lock 4	145955	Plate, Bearing 5
92748	Screw, 6-40 x 1-7/16 Fil 5	125011	Washer, Flat 5	145956	Slide 5
93075	Ring, Shoulder 9	125390	Washer, Flat 10,11,14,15	145960	Lever w/Hub 6
94660	Connector 9	125733	Washer, Flat 7	145963	Bracket, Contact Mounting 5
97193	Jumper, 12-1/2" Black 4	125802	Washer, Flat 2,4,16,17	145964	Bracket, Brake Arm Mounting 5
97266	Plate, Clamp 5	128913	Screw, 8-32 Self-Tapping 2	145965	Bracket, Brake Retaining 5
97818	Roller, Tape 6	129850	Resistor, 680 Ohm 25	145967**	Panel 3
98718	Washer, Flat 4,6	129851	Resistor, 3,300 Ohm 18,20,21,22,23,26,27	145968	Nut, #6 Speed 2
98726	Screw, 3-48 x 1/4 Fil 5	129852	Resistor, 2,200 Ohm 24 to 27	145969	Rack, Mounting 2
98819	Knob 12	129856	Resistor, 150 Ohm 24,25	145971	Switch, Push 9
100832	Screw, #0 x 3/16 Drive 10,11,14,15	135637	Resistor, 25 Ohm 4	145973	Guide, Tape 4
101385	Spring 6	137438	Resistor, Fixed 100 Ohm 19,20,26,27	145975	Roller, Tape Guide 4
104124	Screw, 1/4-32 x 11/32 Hex 7			145976	Motor, 115V A.C. 6
105803	Switch, DP-ST Toggle 12			145977	Bracket w/Hub 6
107116	Washer, Lock 2,3,4,5,6,13			145979	Guide, Tape 4
107364	Screw, 6-32 x 3/8 Fil 3				
108959	Switch, DP-DT Toggle 9				

** Refer to page 1 for finish suffix

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