

37 ELECTRICAL SERVICE UNIT (YESU)
PARTS

FIGURE	CONTENTS	PAGE
1	Container	2
2	Terminal Boards	3
3	312384 Power Distribution Assembly	4
4	312370 Multi-Voltage Power Supply	5
5	312908 Selector Magnet Driver	6
6	315991 Signal Regenerator Assembly	7
7	312914 Signal Bell Assembly	8
8	312880 Non-Contention and Pulse Extender Relay Assembly	8
9	Cable Components	9
	Numerical Index	10

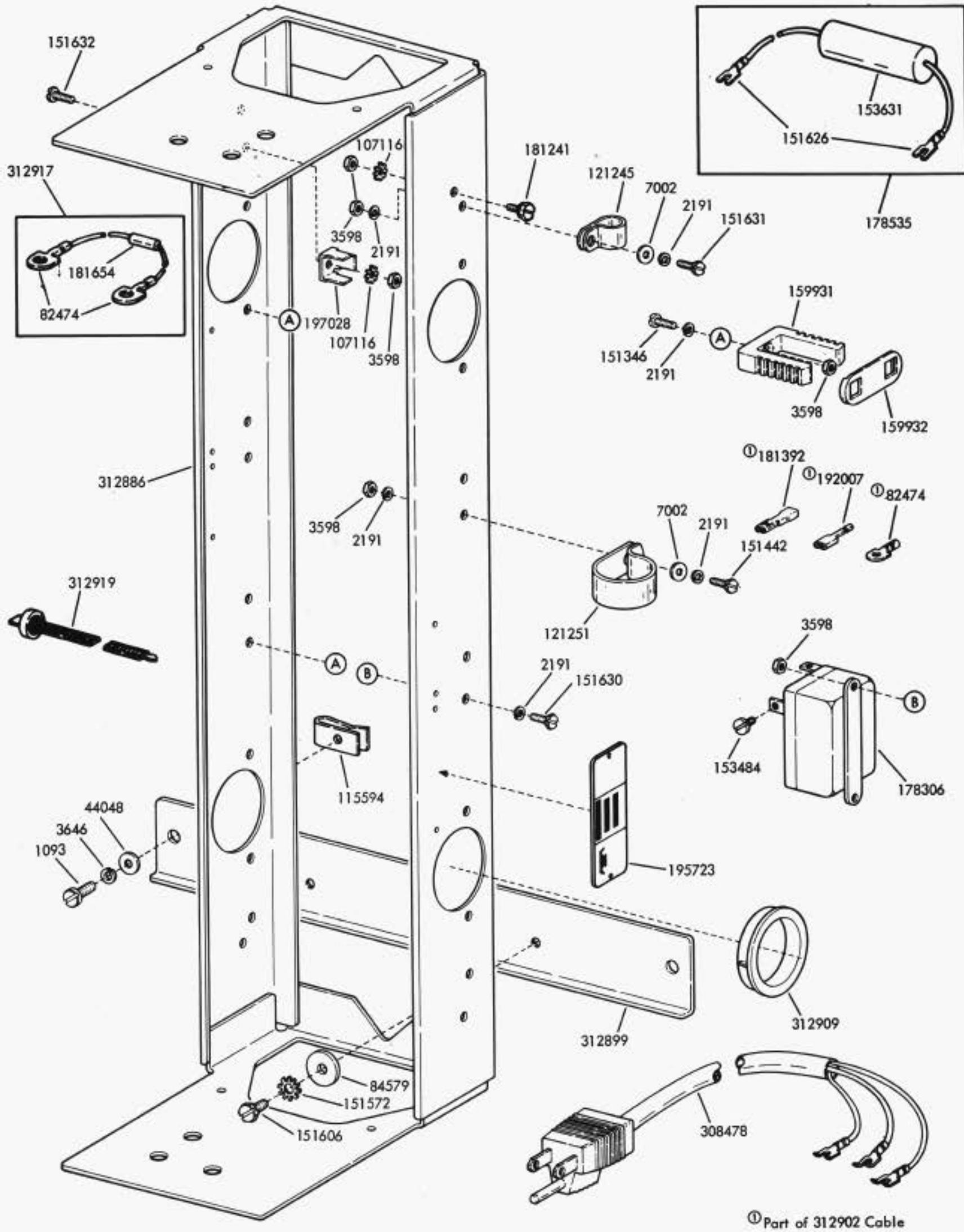


FIGURE 1. CONTAINER

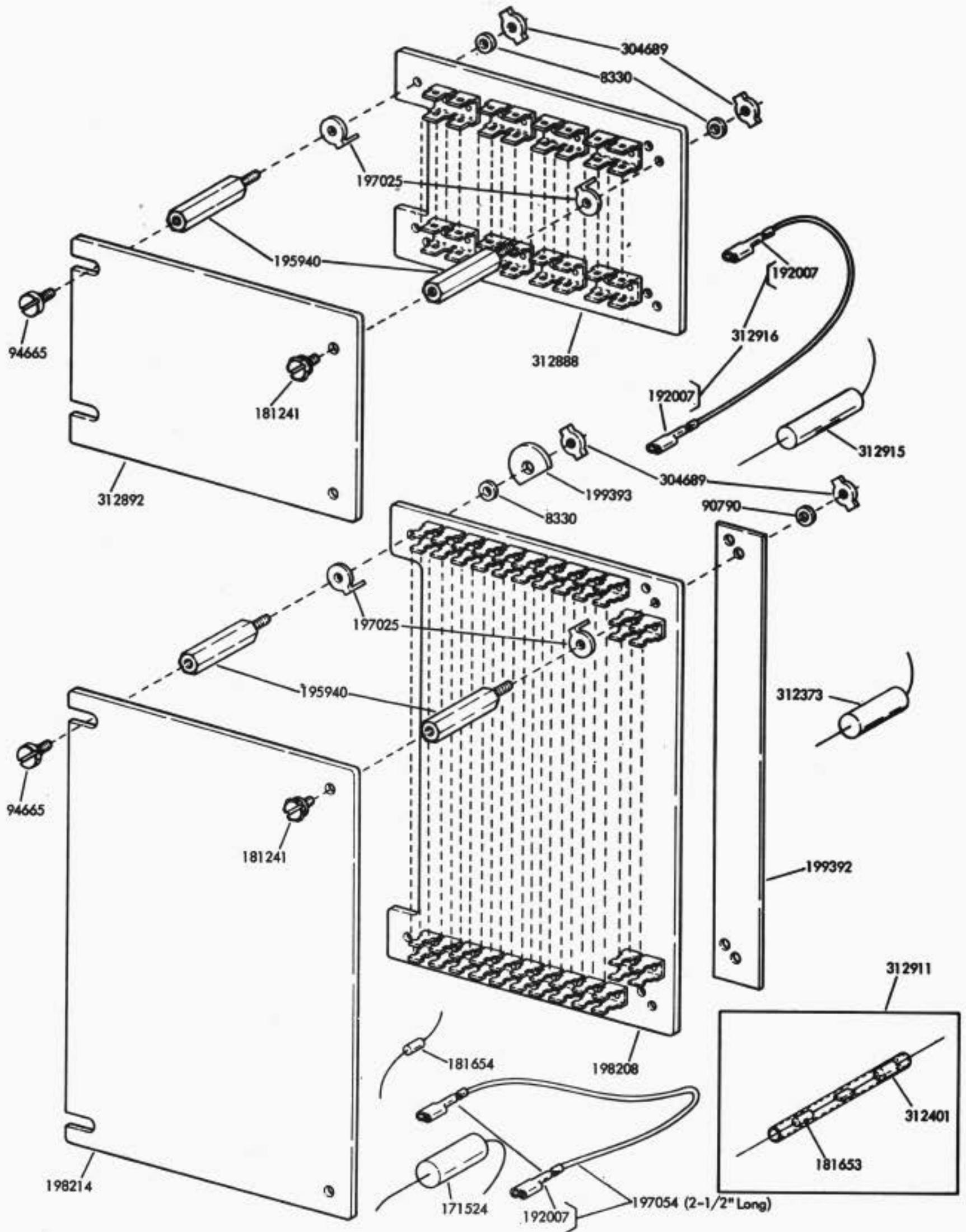


FIGURE 2. TERMINAL BOARDS

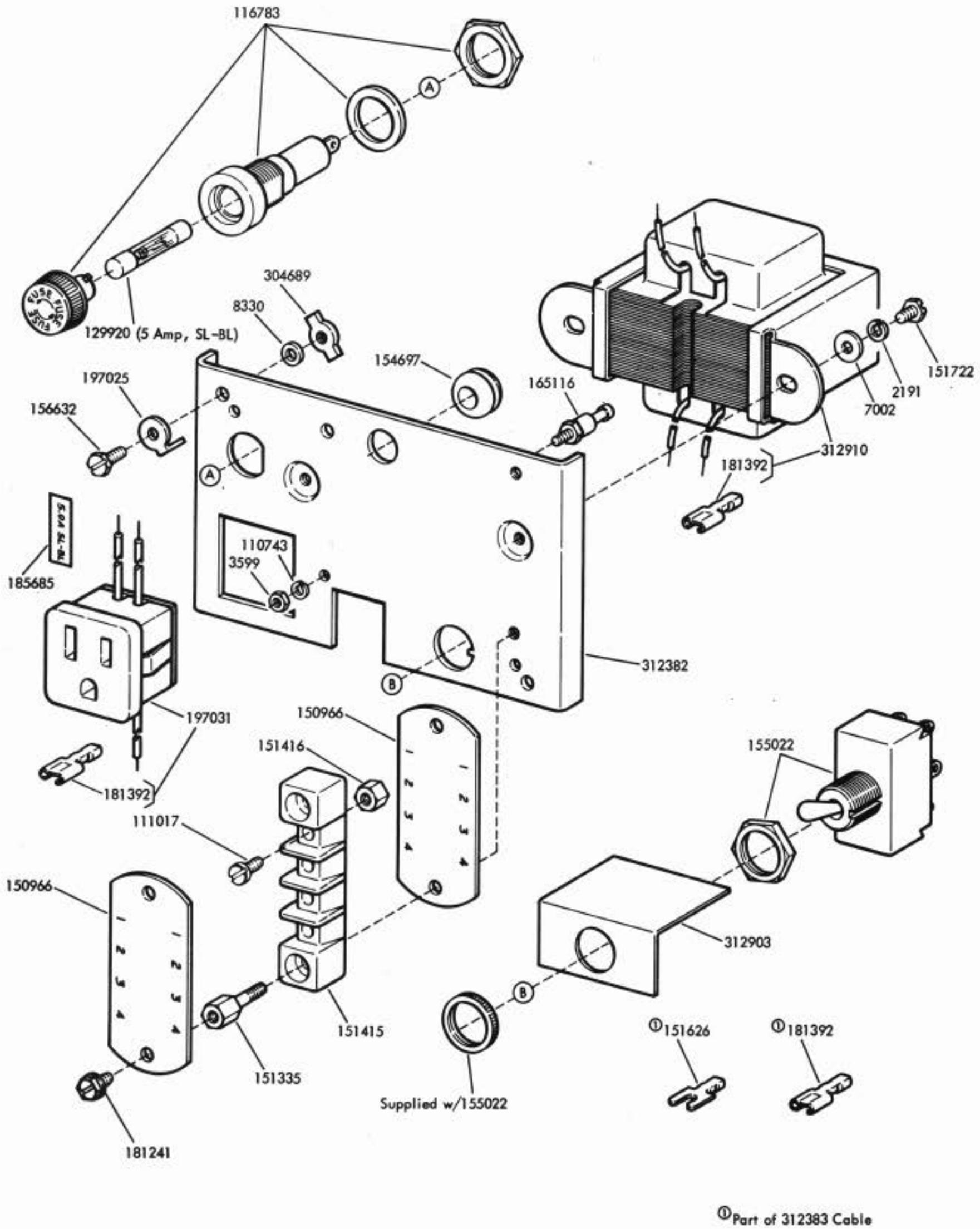
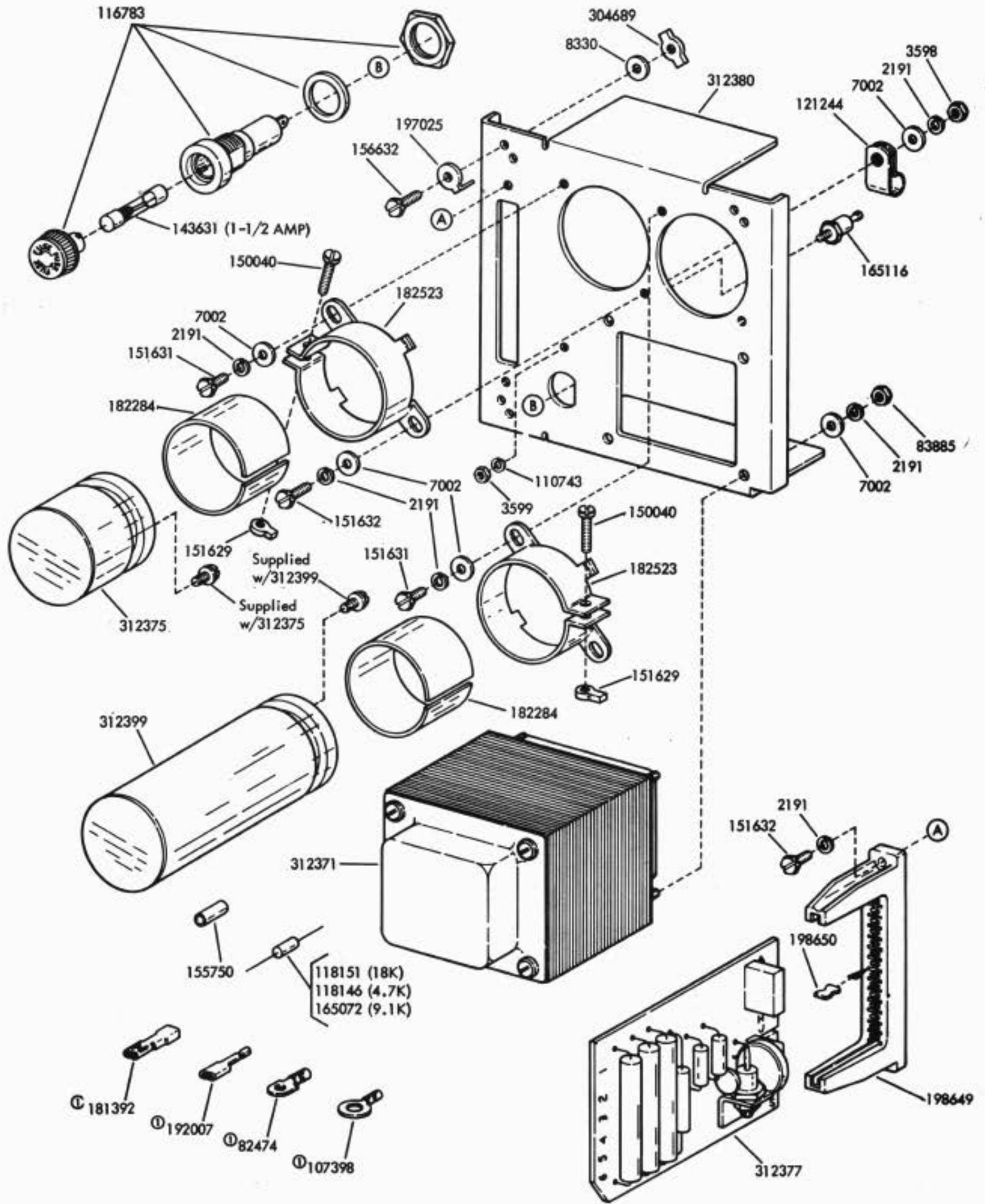
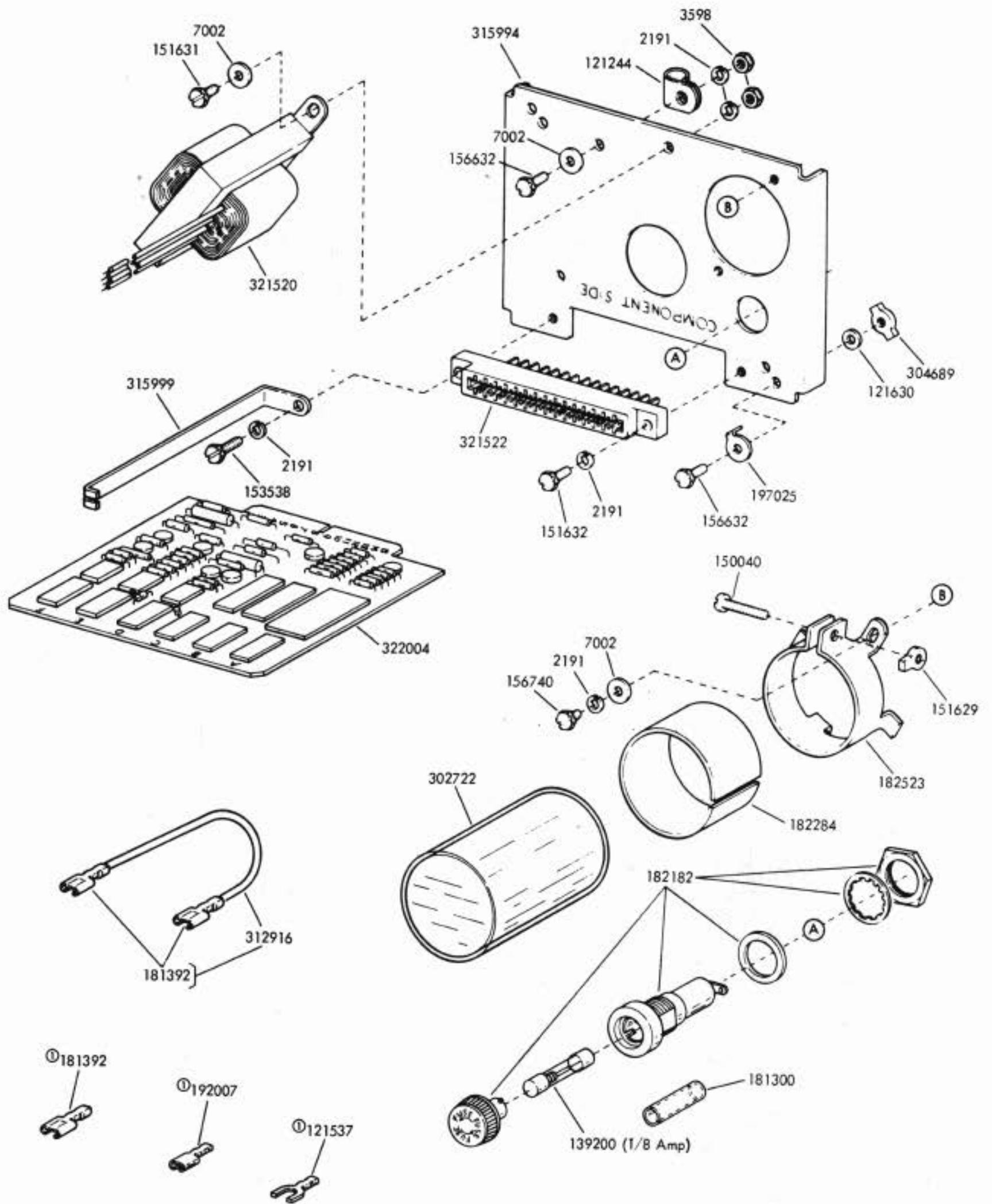


FIGURE 3. 312384 POWER DISTRIBUTION ASSEMBLY



ⓐ Part of 312381 Cable

FIGURE 4. 312370 MULTI-VOLTAGE POWER SUPPLY



① Part of 321523 Cable

FIGURE 6. 315991 SIGNAL REGENERATOR ASSEMBLY

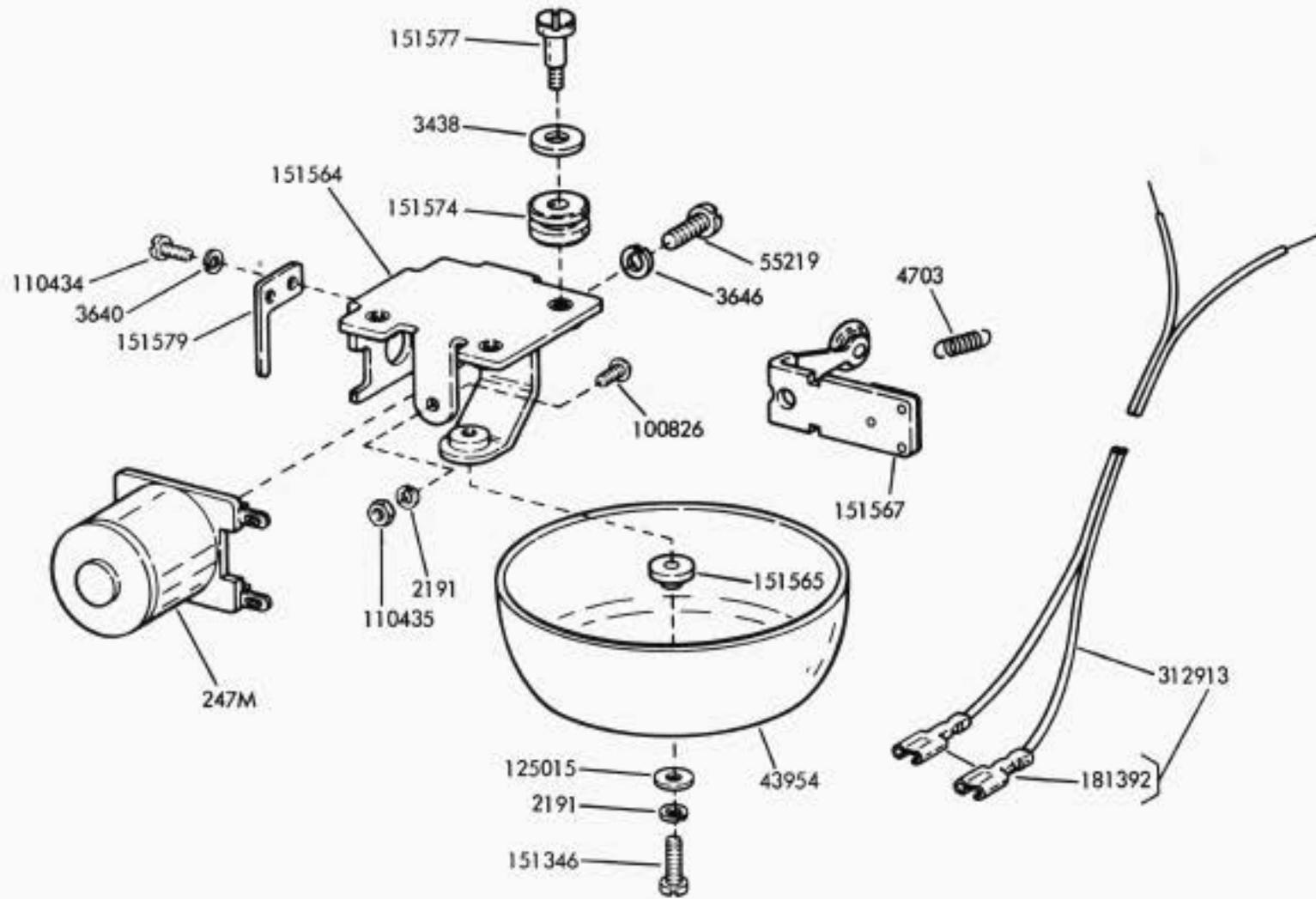


FIGURE 7. 312914 SIGNAL BELL ASSEMBLY

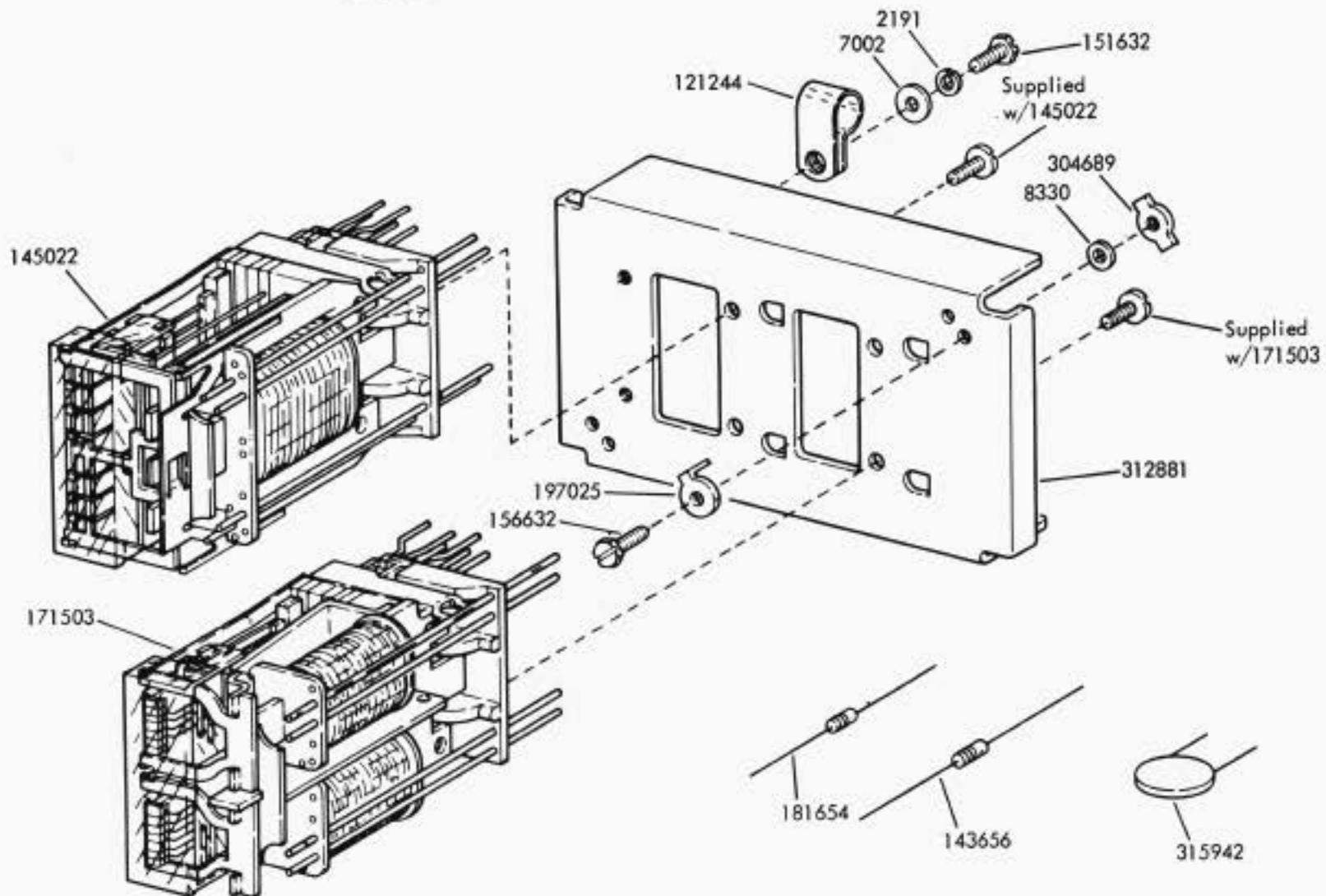


FIGURE 8. 312880 NON-CONTENTION & PULSE EXTENDER RELAY ASSEMBLY

CONNECTORS									
									
Inner (Length .31)			Outer (Length .25)			Insulated (Length .46)			
Part No.	I.D.	O.D.	Color	Part No.	I.D.	Color	Part No.	I.D.	Color
171950	.090	.114	Orange	171961	.187	Orange	171972	.187	Green
171951	.109	.131	Red	171962	.199	Tin	171973	.207	Black
171952	.124	.145	Green	171963	.207	Yellow	171974	.261	Red
171953	.134	.156	Orange	171964	.235	Orange	172275	.156	Yellow
171954	.150	.181	Blue	171965	.261	Yellow	172276	.180	Blue
171955	.156	.191	Red	171966	.281	Purple	172277	.235	Green
171956	.180	.204	Green	171967	.300	Green	172278	.281	Blue
171957	.194	.225	Blue	171968	.312	Yellow	172279	.312	Yellow
171958	.219	.243	Tin	171969	.344	Orange	144216	.058	Red
171959	.261	.297	Blue	171970	.375	Blue			
171960	.297	.337	Red	171971	.405	Red			

INSULATING SLEEVES		
		
Part No.	I.D.	Length
155750	3/32	1/2"
155751	1/8	1"
155752	5/64	1/2"
155753	1/8	1/2"
155754	1/16	1/2"
155755	11/64	5/8"

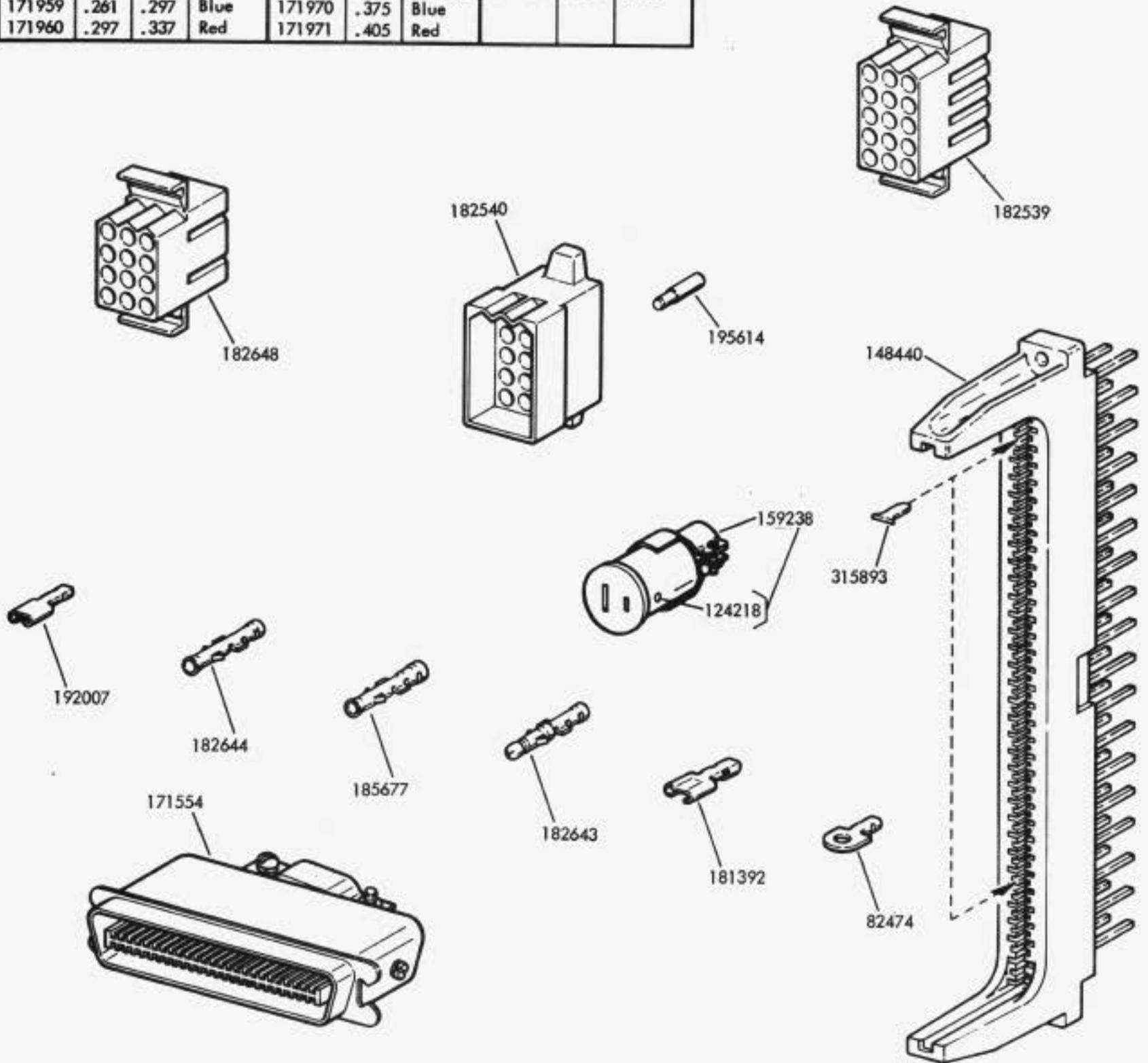


FIGURE 9. CABLE COMPONENTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
247M	Coil, Magnet 8	151631	Screw, 6-40 x 5/16 Hex 2, 5, 6, 7	180586	Sleeve, 5/32 ID x 21/32 Lg Insulating 6
1093	Screw, 8-32 x 7/16 Fil 2	151632	Screw, 6-40 x 3/8 Hex 2, 5 to 8	180675	Screw, #6 Self-Tapping 6
2191	Washer, Lock 2, 4 to 8	151722	Screw, 6-40 x 3/16 Hex 4	181241	Screw w/Lockwasher, 6-40 x 1/4 Hex 2, 3, 4
3438	Washer, Flat 8	153484	Screw, 6-32 Spl 2	181266	Bushing, Insulating 6
3598	Nut, 6-40 Hex 2, 5, 6, 7	153538	Screw, 6-40 x 7/16 Hex 7	181300	Sleeve, 3/16 ID x 1" Lg Insulating 7
3599	Nut, 4-40 Hex 4, 5	153631	Network, Spark Suppression 2	181392	Terminal, Tab Type 2, 4 to 8
3640	Washer, Lock 8	154697	Grommet, Rubber 4	181653	Diode 3
3646	Washer, Lock 2, 8	155022	Switch, DP-DT Toggle 4	181654	Diode 2,3,8
4703	Spring 8	155750	Sleeve, 3/32 ID x 1/2 Lg Insulating 5, 6, 9	181675	Transistor, Power 6
7002	Washer, Flat 2, 4 to 8	155751	Sleeve, 1/8 ID x 1 Lg Insulating 9	182182	Holder, Fuse 7
8330	Washer, Flat 3, 4, 5, 8	155752	Sleeve, 5/64 ID x 1/2 Lg Insulating 9	182284	Insulator, .015 Thk 5, 6, 7
43954	Bell 8	155753	Sleeve, 1/8 ID x 1/2 Lg Insulating 9	182501	Capacitor, 1,500 MFD 6
44048	Washer, Flat 2	155754	Sleeve, 1/16 ID x 1/2 Lg Insulating 9	182523	Clamp, 1-3/8 ID Mounting 5, 6, 7
55219	Screw, 8-32 x 3/8 Fil 8	155755	Sleeve, 11/64 ID x 5/8 Lg Insulating 9	182539	Connector, 15 Pt Receptacle Type 9
76461	Washer, Flat 6	156632	Screw, 6-40 x 13/32 Hex 4, 5, 7, 8	182540	Connector, 15 Pt Plug Type 9
82474	Terminal 2, 5, 9	156740	Screw, 6-40 x 7/32 Hex 7	182611	Fuse, 3/8 Amp SL-BL 6
83885	Nut, 6-32 Hex 5	159238	Connector, 2 Pt Receptacle 9	182643	Terminal, Plug Type 9
84579	Washer, Flat 2	159931	Clamp 2	182644	Terminal, Receptacle Type 9
90790	Washer, Flat 3	159932	Keeper 2	182648	Connector, 12 Pt Receptacle Type 9
94665	Screw, 6-40 Shoulder 3	164958	Screw, 4-40 x 1/2 Hex 6	183111	Label 6
100826	Screw, 4-40 x 3/16 Rd 8	165072	Resistor, 9,100 Ohm 5	185677	Terminal, Receptacle Type 9
107116	Washer, Lock 2	165116	Terminal 4, 5	185685	Plate, Identification 4
107398	Terminal 5, 6	171503	Relay 8	192007	Terminal, Tab Type 2, 3, 5, 6, 7, 9
110434	Screw, 4-40 x 3/16 Fil 8	171524	Resistor, 700 Ohm 3	193405	Nut, Speed 6
110435	Nut, 4-40 Hex 6, 8	171554	Connector, 50 Pt Plug 9	195153	Transformer 6
110743	Washer, Lock 4, 5, 6	171950	Connector, Orange Shielding 9	195242	Plate, Mounting 6
111017	Screw, 6-40 x 5/16 Fil 4	171951	Connector, Red Shielding 9	195243	Plate, Heat Sink 6
113442BK	Jumper, 2-1/2" Black 6	171952	Connector, Green Shielding 9	195245	Sleeve, 1/2 ID x 1-1/2" Lg Insulating 6
115594	Nut, 8-32 Speed 2	171953	Connector, Orange Shielding 9	195614	Pin, Key 9
116783	Holder, Fuse 4, 5, 6	171954	Connector, Blue Shielding 9	195723	Plate, Identification 2
118146	Resistor, 4,700 Ohm 5	171955	Connector, Red Shielding 9	195940	Stud 3
118151	Resistor, 18,000 Ohm 5	171956	Connector, Green Shielding 9	197025	Stop 3, 4, 5, 7, 8
121244	Clamp, 1/4 ID Cable 5 to 8	171957	Connector, Blue Shielding 9	197028	Terminal 2
121245	Clamp, 5/16 ID Cable 2	171958	Connector, Tin Shielding 9	197031	Connector, 3 Pt Receptacle 4
121251	Clamp, 1 ID Cable 2	171959	Connector, Blue Shielding 9	197054	Jumper, 2-1/2" Black 3
121537	Terminal 7	171960	Connector, Red Shielding 9	198208	Board, Terminal 3
121630	Washer, Flat 7	171961	Connector, Orange Shielding 9	198214	Cover 3
124218	Pin, Drive 9	171962	Connector, Tin Shielding 9	198649	Connector, 15 Pt Circuit Card 5, 6
125011	Washer, Flat 6	171963	Connector, Yellow Shielding 9	198650	Key, Polarizing 5, 6
125015	Washer, Flat 8	171964	Connector, Orange Shielding 9	199392	Insulator 3
129920	Fuse, 5 Amp 4	171965	Connector, Yellow Shielding 9	199393	Washer, Insulating 3
131099	Terminal, 21/32 Lg 6	171966	Connector, Purple Shielding 9	302722	Capacitor, 2,500 MFD 7
139200	Fuse, 1/8 Amp 7	171967	Connector, Green Shielding 9	304689	Plate, Clamp 3,4,5,7,8
143631	Fuse, 1.5 Amp 5	171968	Connector, Yellow Shielding 9	308478	Cable Assembly 2
143656	Resistor, 51 Ohm 8	171969	Connector, Orange Shielding 9	311406	Terminal, Receptacle Type 6
144216	Connector, Red Insulated 9	171970	Connector, Blue Shielding 9	312352	Card, Circuit 6
144590	Screw, 6-40 x 1-3/8 Fil 6	171971	Connector, Red Shielding 9	312370	Power Supply, Multi-Voltage 1,5
145022	Relay 8	171972	Connector, Green Insulated 9	312371	Transformer 5
148440	Connector, 36 Pt Circuit Card 9	171973	Connector, Black Insulated 9	312373	Resistor, 500 Ohm 3
150040	Screw, 6-40 x 5/8 Fil 5 to 7	171974	Connector, Red Insulated 9	312375	Capacitor, 400 MFD 5
150966	Insulator, Terminal 4	172275	Connectoe, Yellow Insulated 9	312377	Card, Circuit 5
151335	Stud 4	172276	Connector, Blue Insulated 9	312380	Chassis 5
151346	Screw, 6-40 x 3/8 Fil 2, 8	172277	Connector, Green Insulated 9	312381	Cable w/Terminals 5
151415	Block, Terminal 4	172278	Connector, Blue Insulated 9	312382	Chassis 4
151416	Nut, 6-40 Hex 4	172279	Connector, Yellow Insulated 9	312383	Cable w/Terminals 4
151442	Screw, 6-40 x 1/2 Hex 2	177113	Insulator 6	312384	Distribution Assembly, Power 1,4
151564	Bracket 8	178306	Relay, Power 2	312399	Capacitor, 1,000 MFD 1,500 MFD Dual 5
151565	Bushing, Shoulder 8	178535	Suppressor, Spark 2		
151567	Armature w/Clapper 8				
151572	Washer, Lock 2				
151574	Grommet, Rubber 8				
151577	Screw, 6-40 Shoulder 8				
151579	Plate, Retaining 8				
151606	Screw, 10-32 x 1/4 Hex 2				
151626	Terminal 2, 4				
151629	Nut, 6-40 Lug 5, 6, 7				
151630	Screw, 6-40 x 1/4 Hex 2				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
312401	Diode 3	312908	Driver, Selector Magnet 1, 6	315893	Key, Polarizing 9
312880	Relay Assembly 1, 8	312909	Bushing, Plastic 2	315942	Capacitor, .1 MFD 8
312881	Chassis, Relay 8	312910	Transformer 4	315991	Generator Assembly Signal 1,7
312886	Container 2	312911	Diode 3	315994	Plate, Mounting 7
312888	Board, Terminal 3	312913	Cable w/Terminal 8	315999	Bracket 7
312892	Cover 3	312914	Bell Assembly, Signal 1, 8	321520	Transformer 7
312899	Bracket, Mounting 2	312915	Network, Spark Suppression 3	321522	Connector, 14 Pt Circuit Card 7
312902	Cable w/Terminals 2	312916	Jumper, 3" Black 3, 7	321523	Cable w/Terminals 7
312903	Insulator, Switch 4	312917	Diode w/Terminals 2	322004	Card, Circuit 7
312907	Cable w/Terminal 6	312919	Strap, Cable 2		