

35 ELECTRICAL SERVICE UNIT (LESU)
FOR ASR SETS
PARTS

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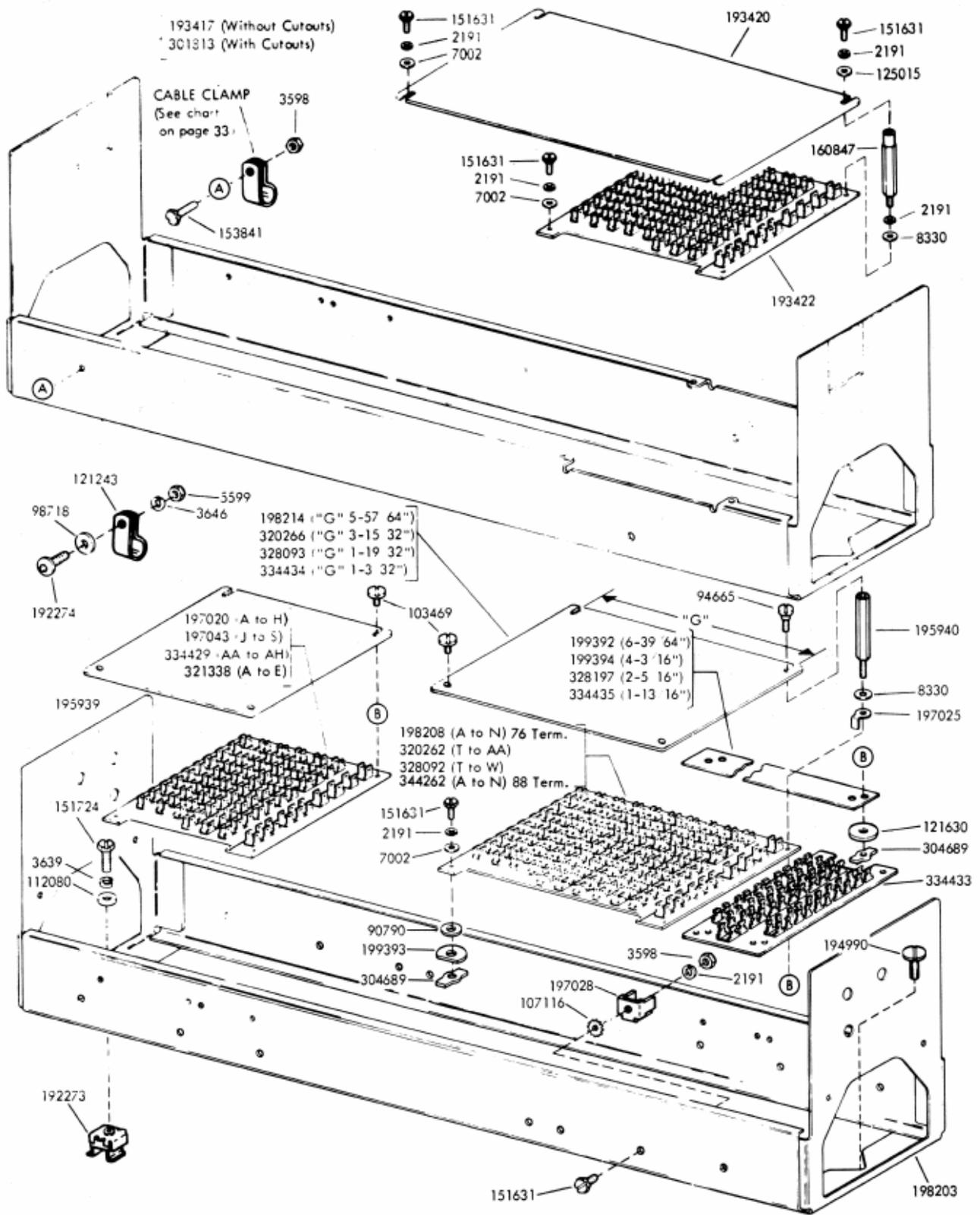


FIGURE 1. CONTAINERS AND ASSOCIATED PARTS

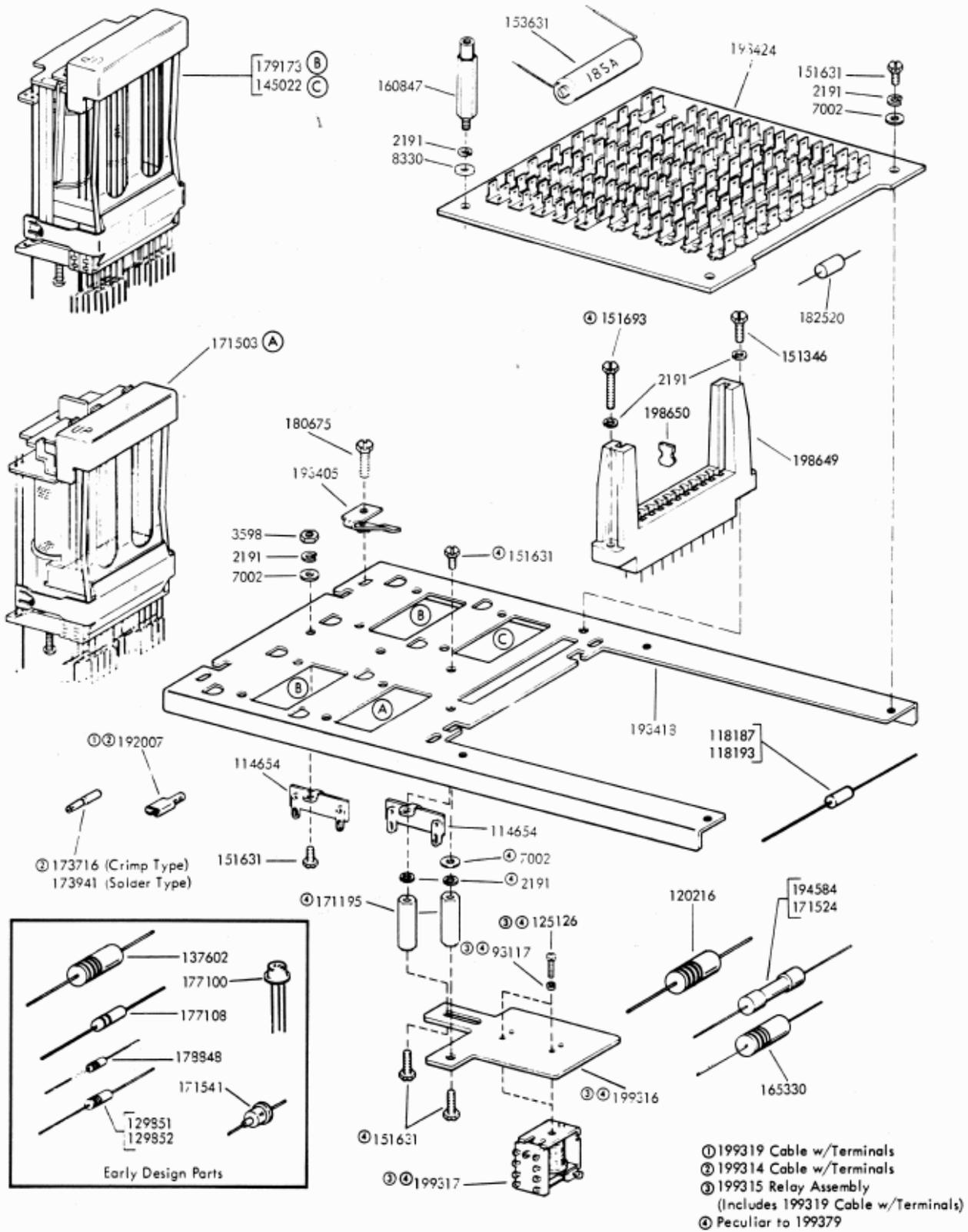
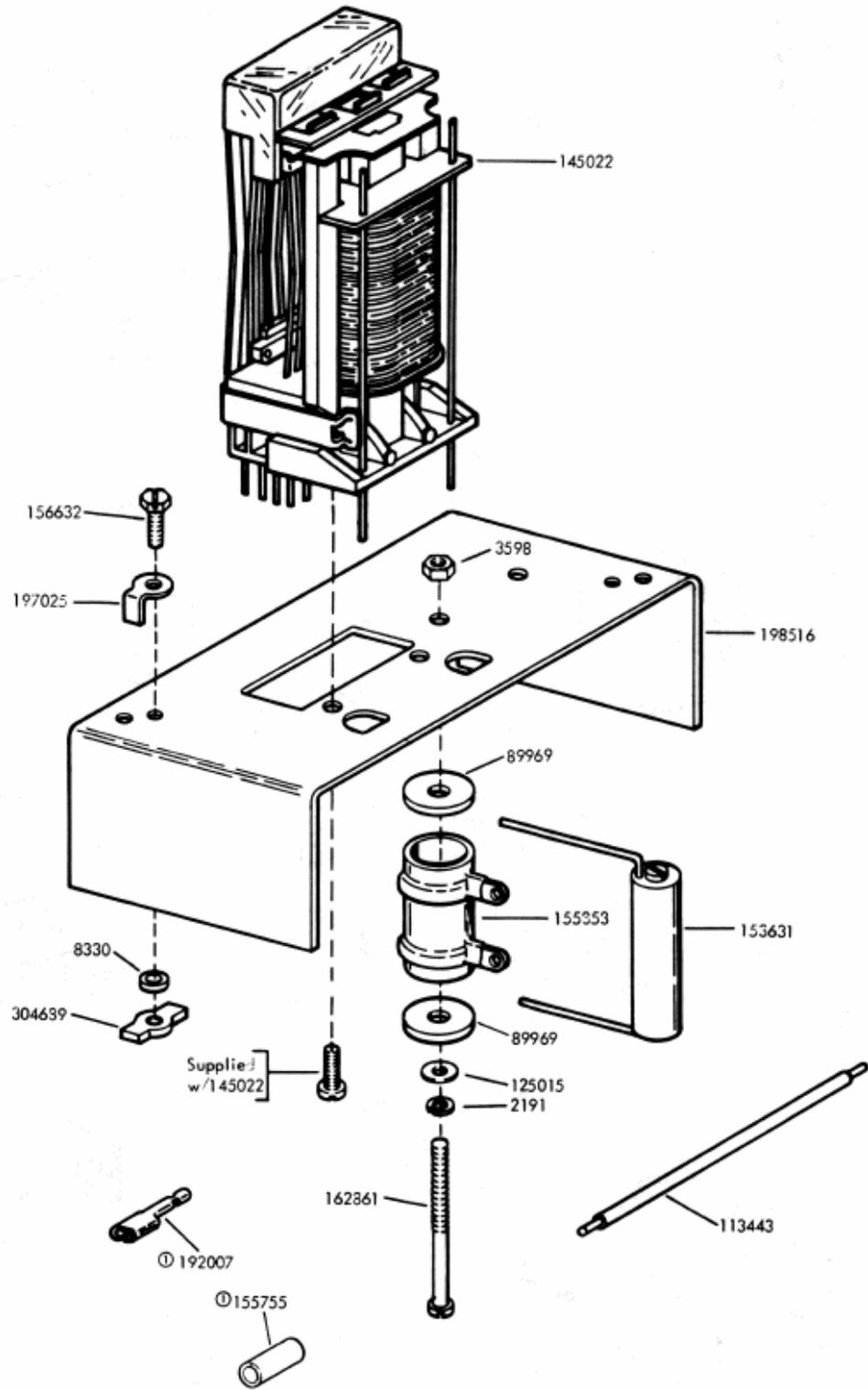


FIGURE 3. 193467 AND 199379 NON-CONTENTION RELAY PLATE ASSEMBLIES



Ⓞ 305441 Cable w/Terminals

FIGURE 4. 305440 NON-CONTENTION RELAY PLATE ASSEMBLY

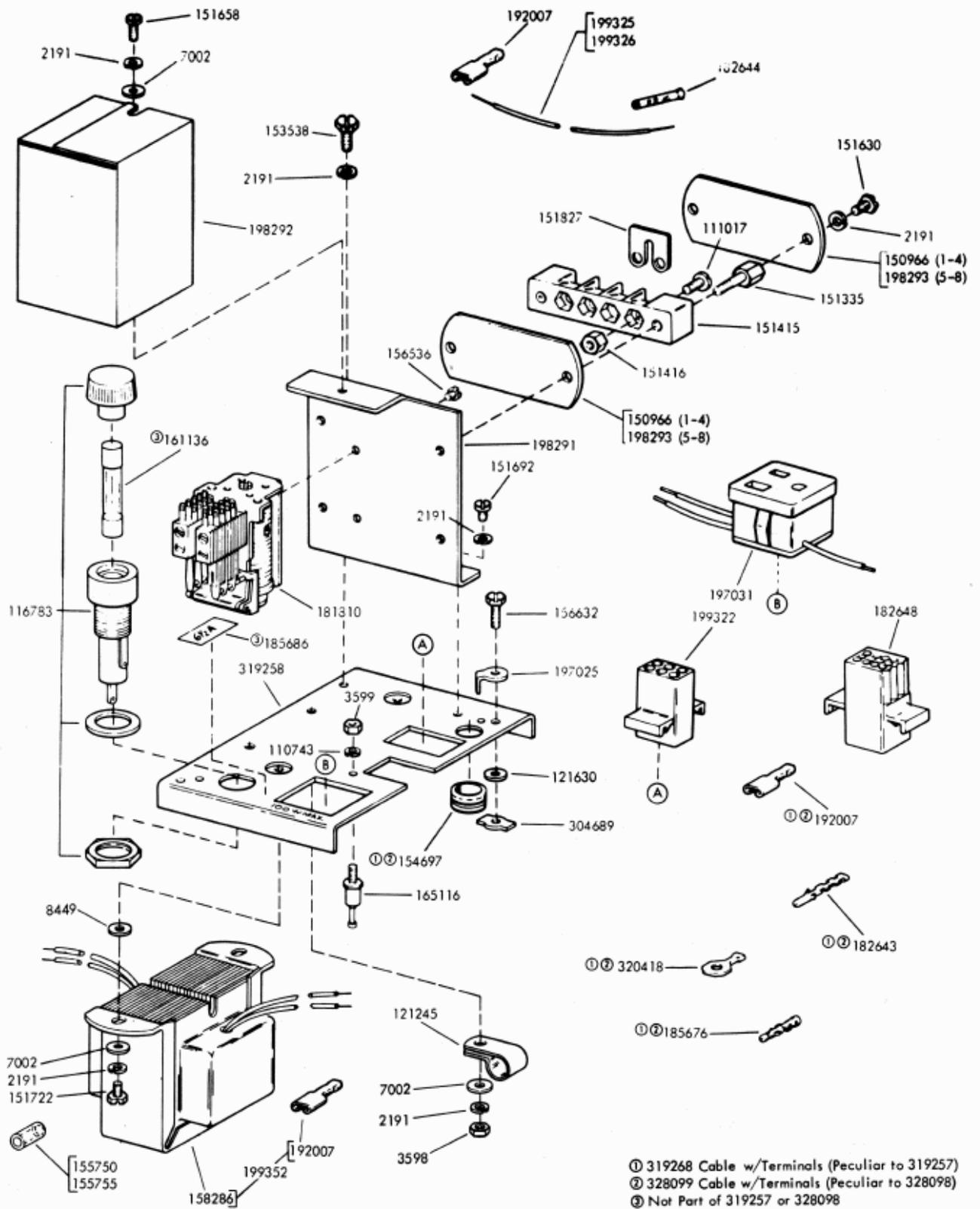


FIGURE 6. 319257 AND 328098 POWER DISTRIBUTION ASSEMBLIES

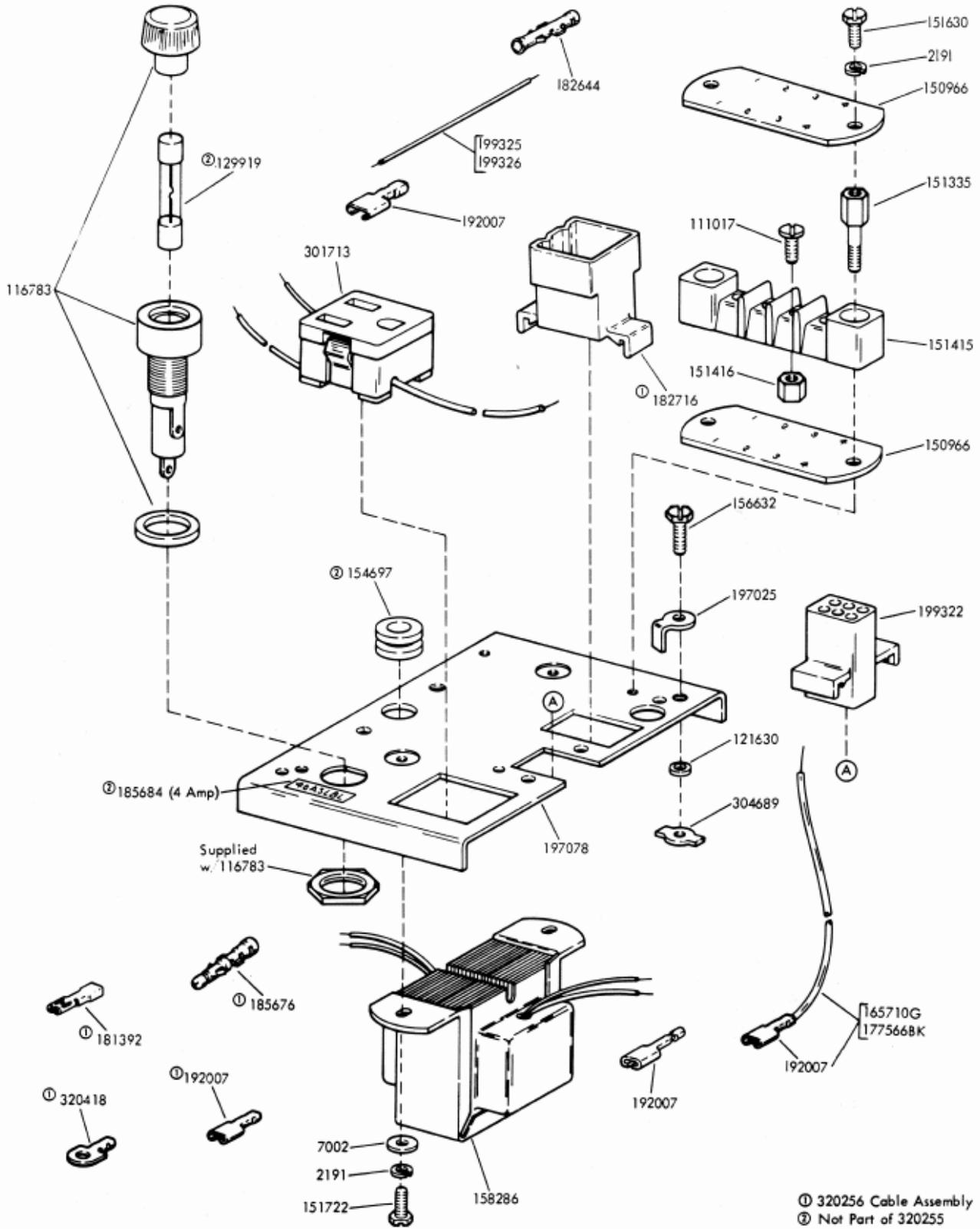


FIGURE 7. 320255 POWER DISTRIBUTION ASSEMBLY

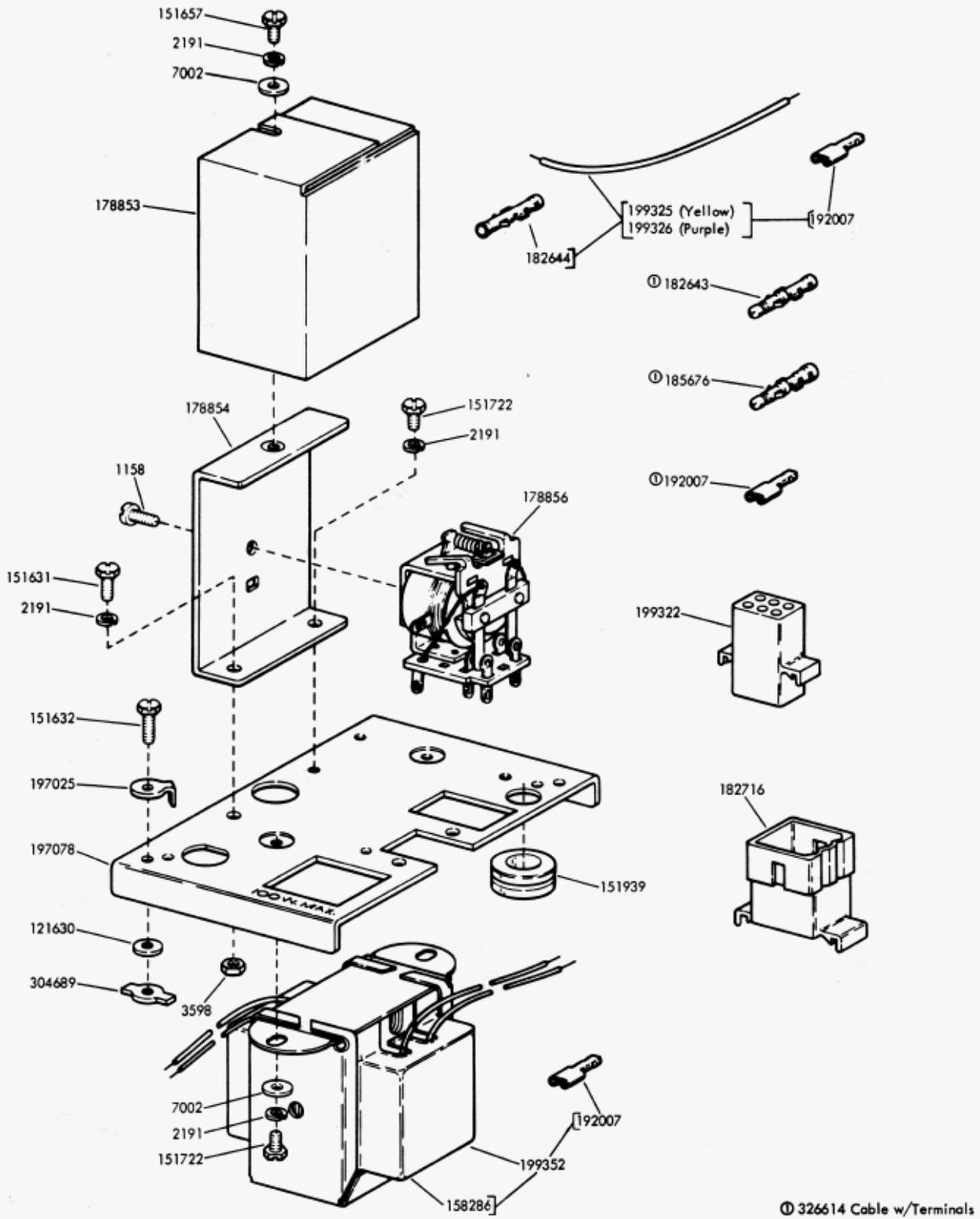


FIGURE 9. 326609 POWER DISTRIBUTION ASSEMBLY

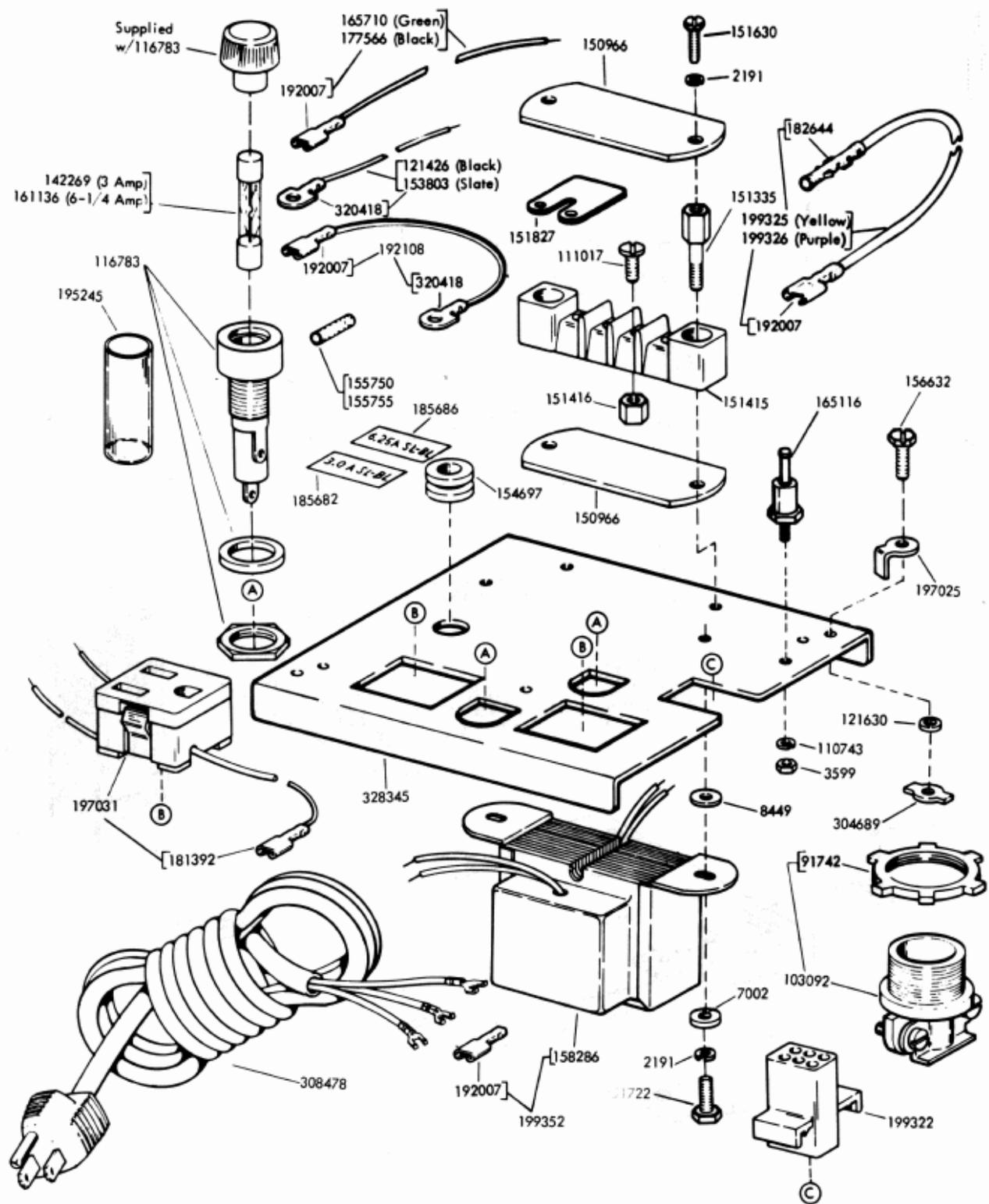


FIGURE 10. 328811 POWER DISTRIBUTION ASSEMBLY

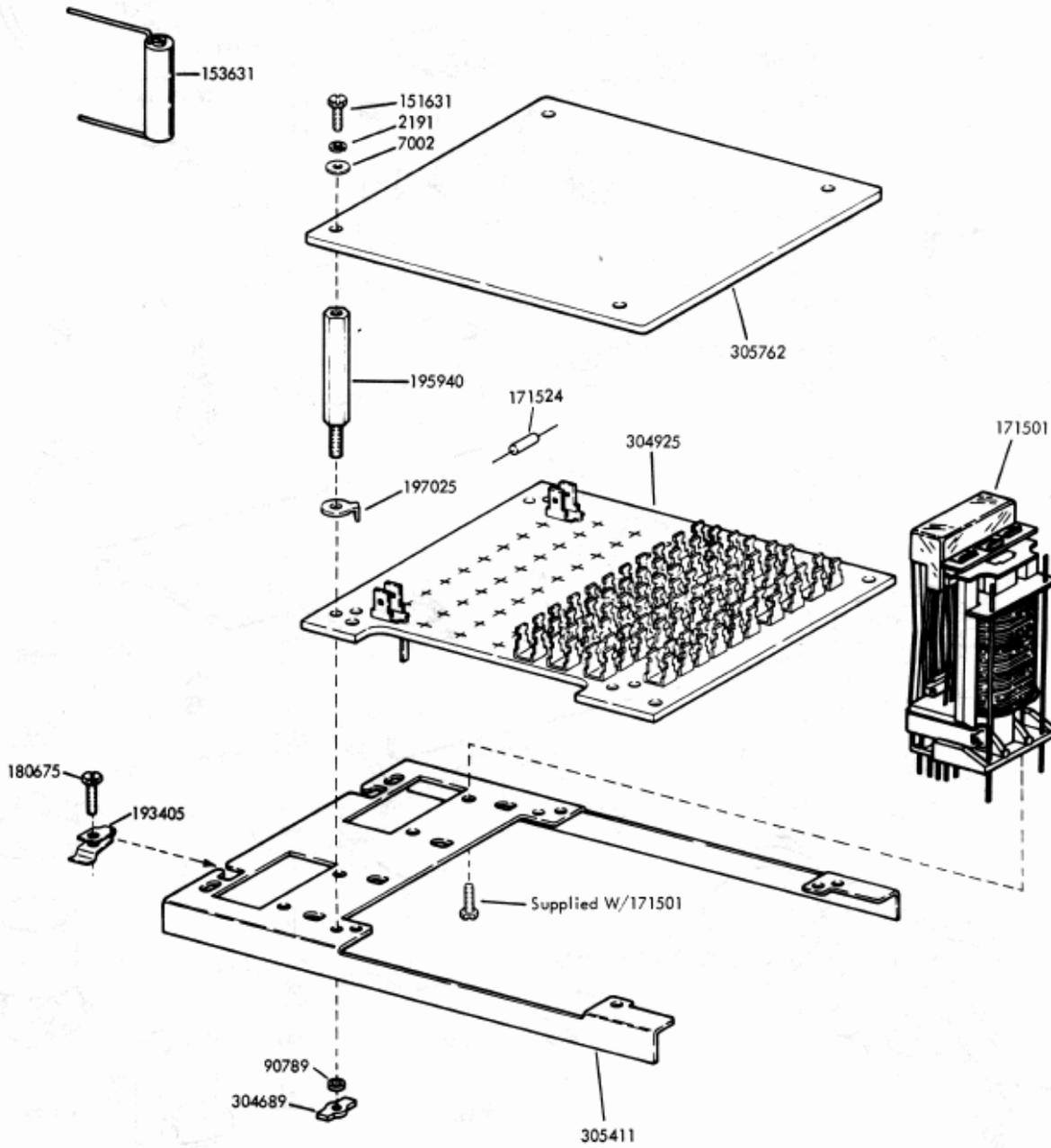


FIGURE 11. 305417 MAIN TERMINAL BOARD ASSEMBLY

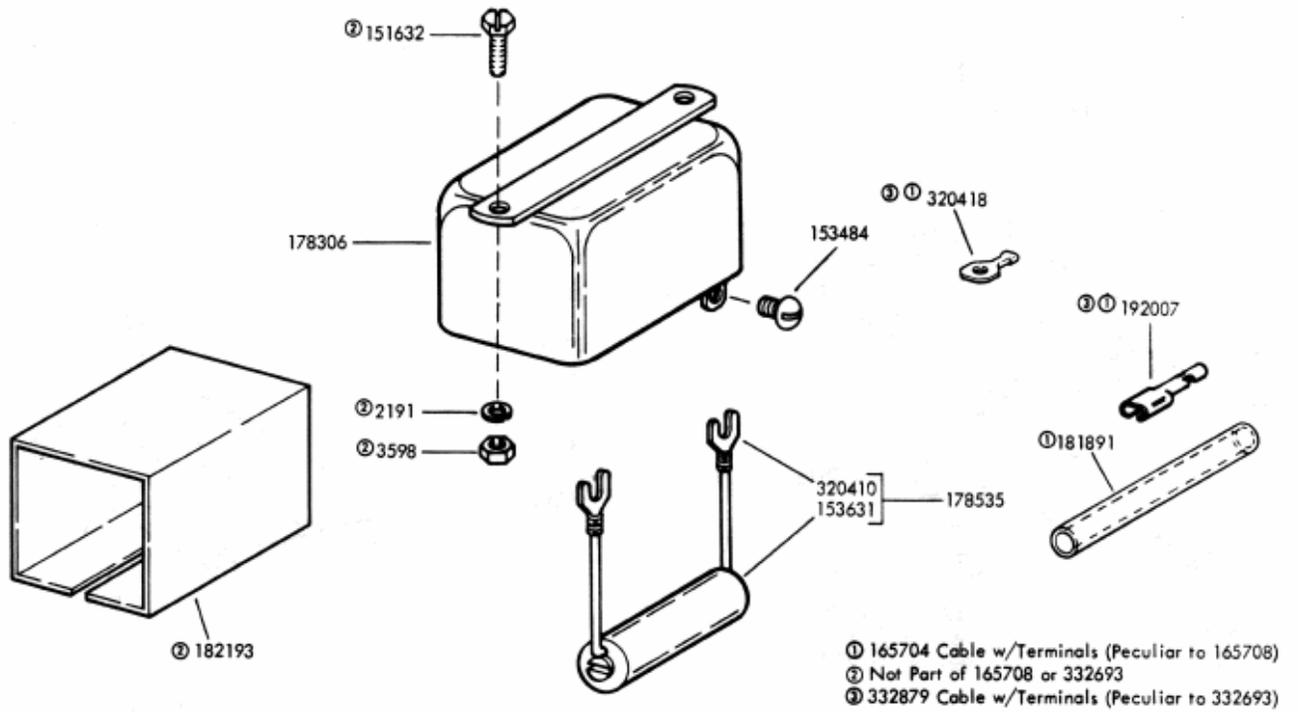


FIGURE 12. 165708 AND 332693 MOTOR CONTROL RELAY ASSEMBLIES

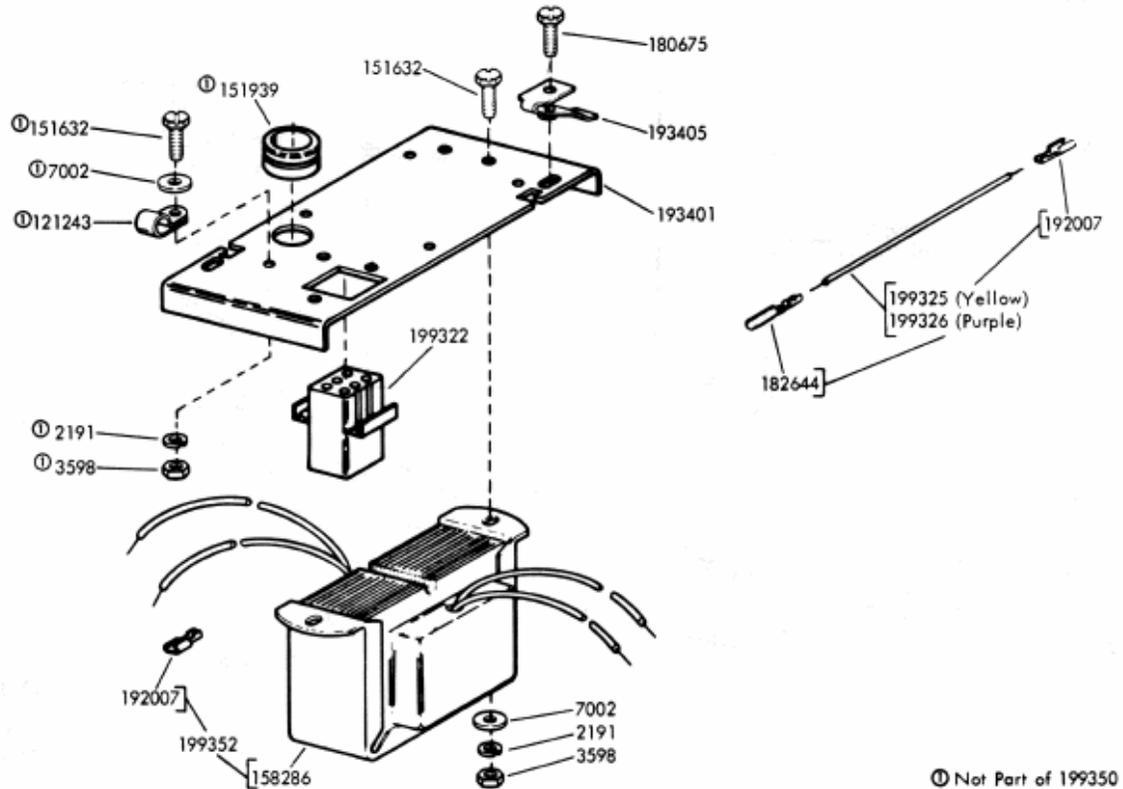


FIGURE 13. 199350 COPYRIGHT TRANSFORMER ASSEMBLY

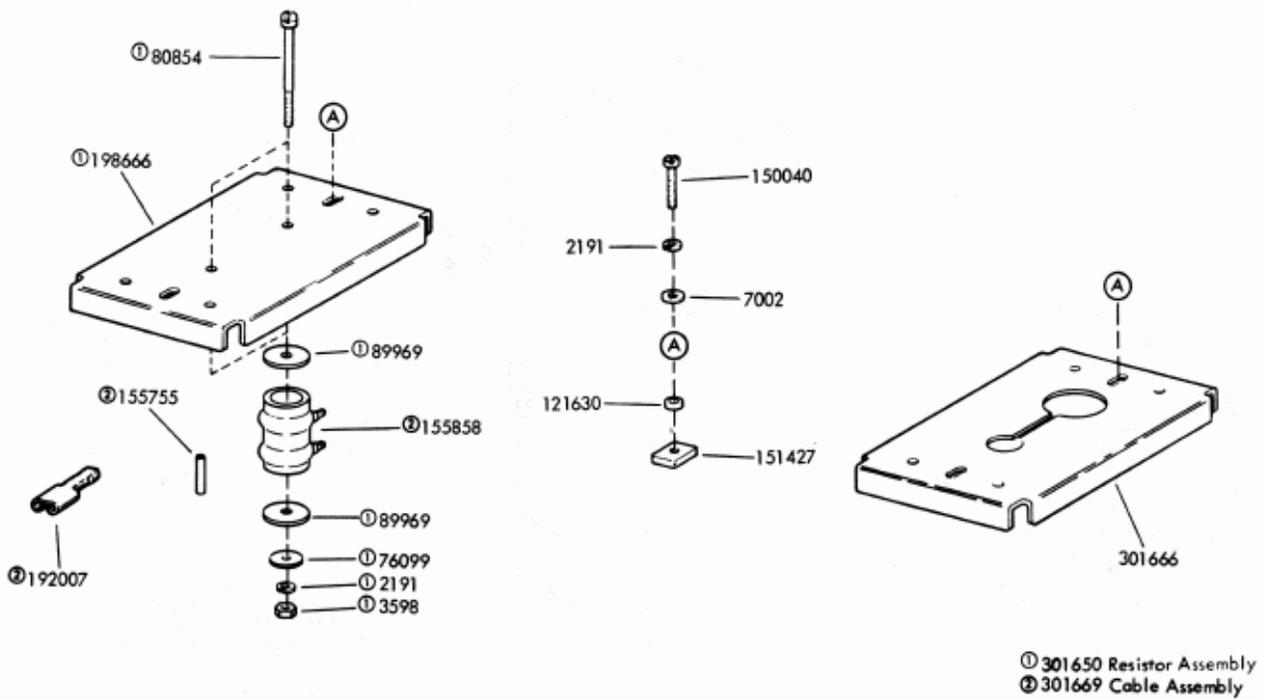


FIGURE 14. MOUNTING PLATES

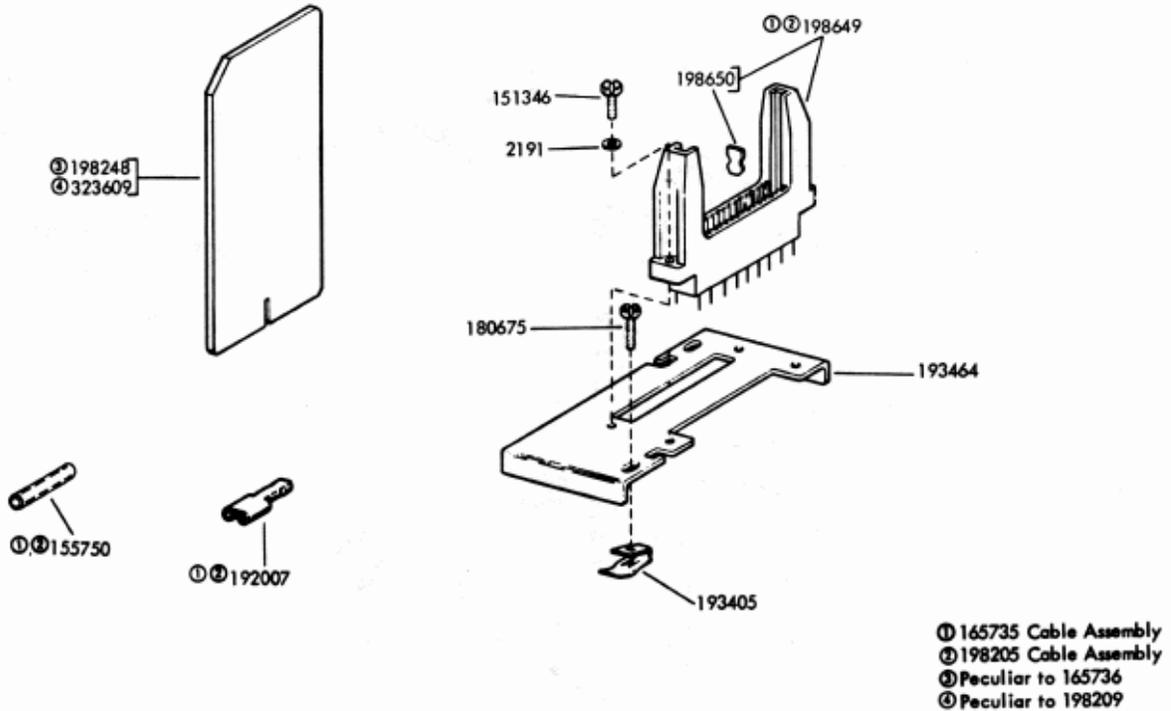


FIGURE 15. 165736 SIGNAL REGENERATOR ASSEMBLY AND 198209 AUXILIARY POWER SUPPLY FOR DC SIGNALING SETS

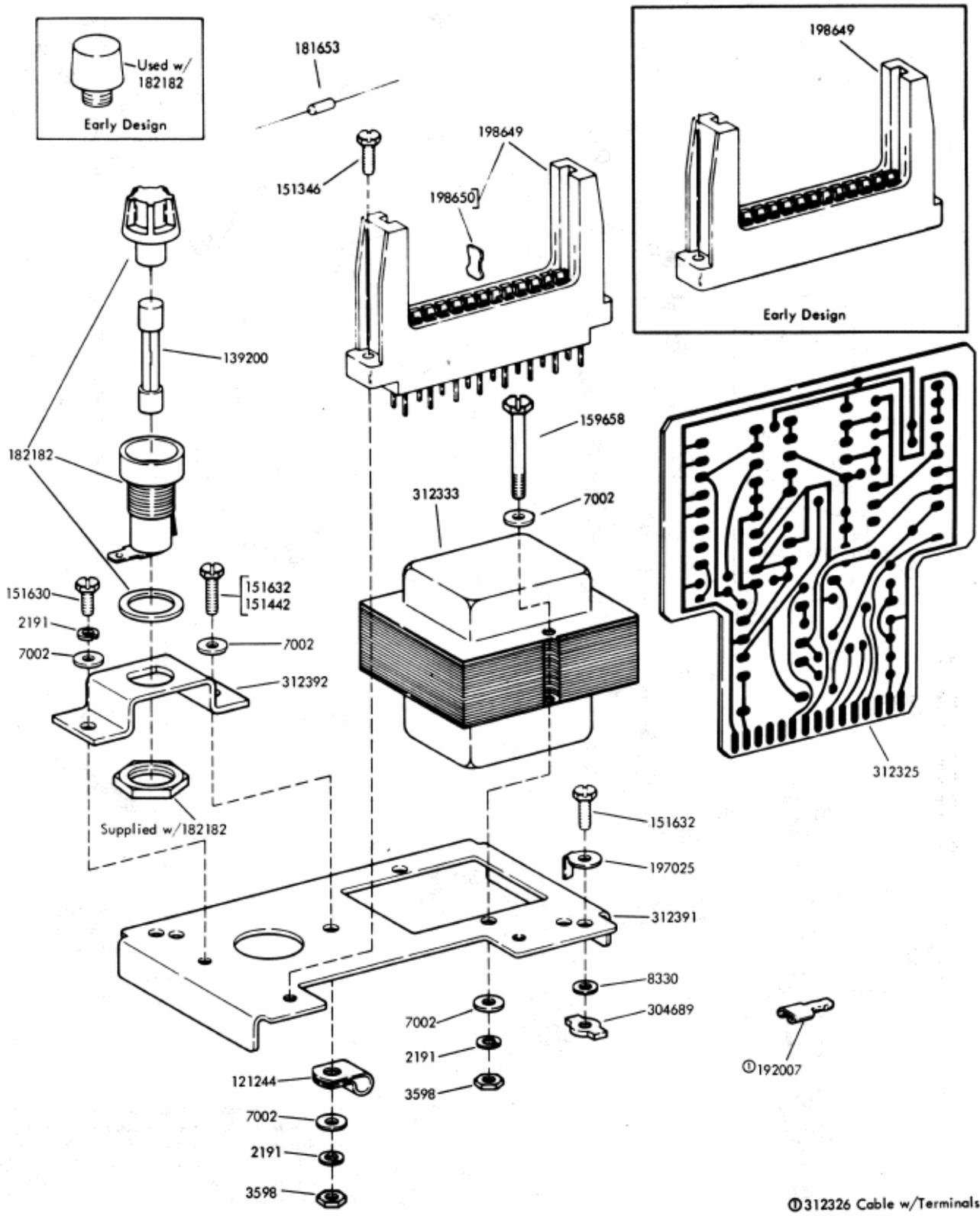


FIGURE 16. 305446 SIGNAL REGENERATOR ASSEMBLY

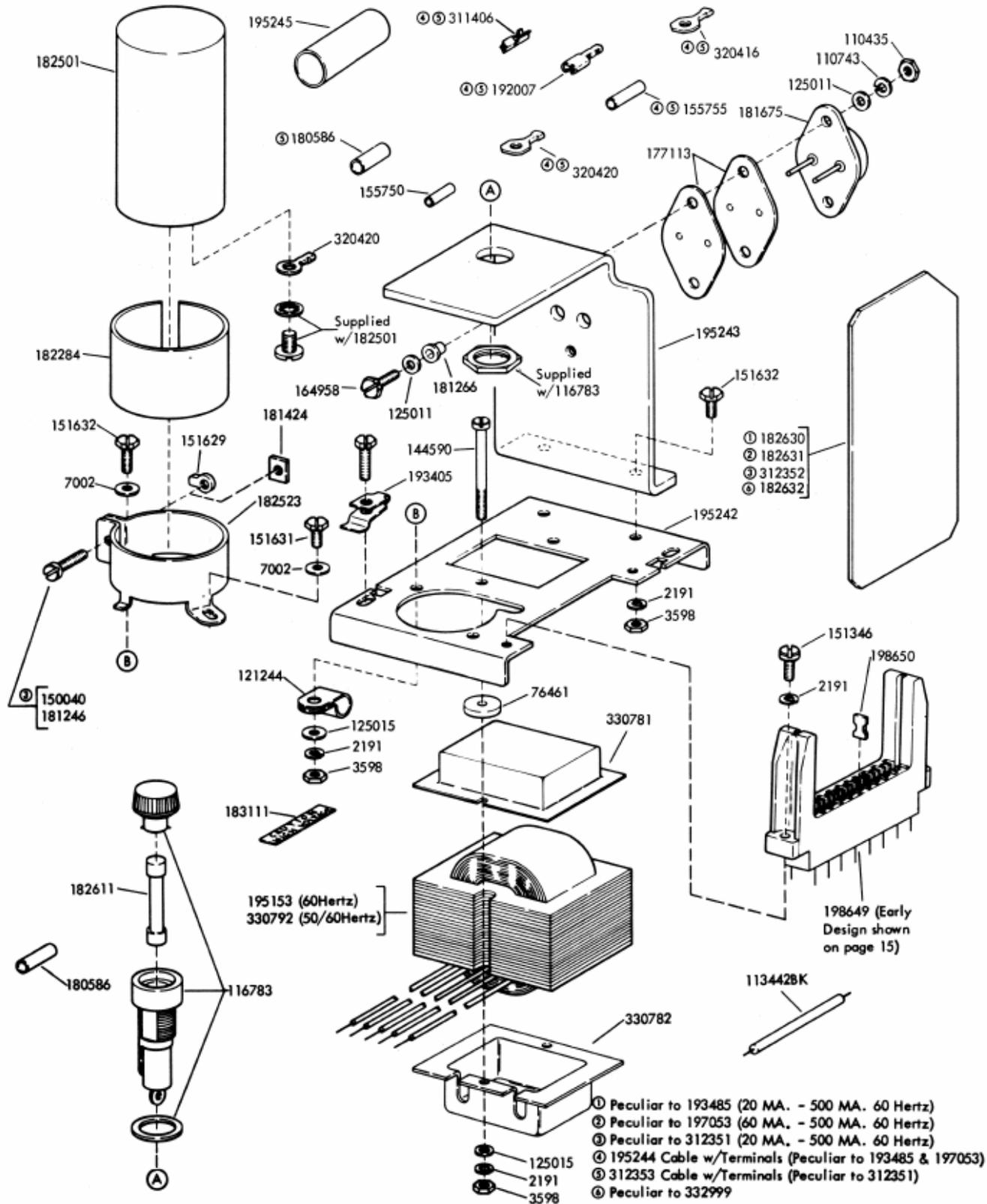


FIGURE 17. 193485, 197053, 332999 AND 312351 CONSTANT CURRENT SELECTOR MAGNET DRIVER ASSEMBLIES

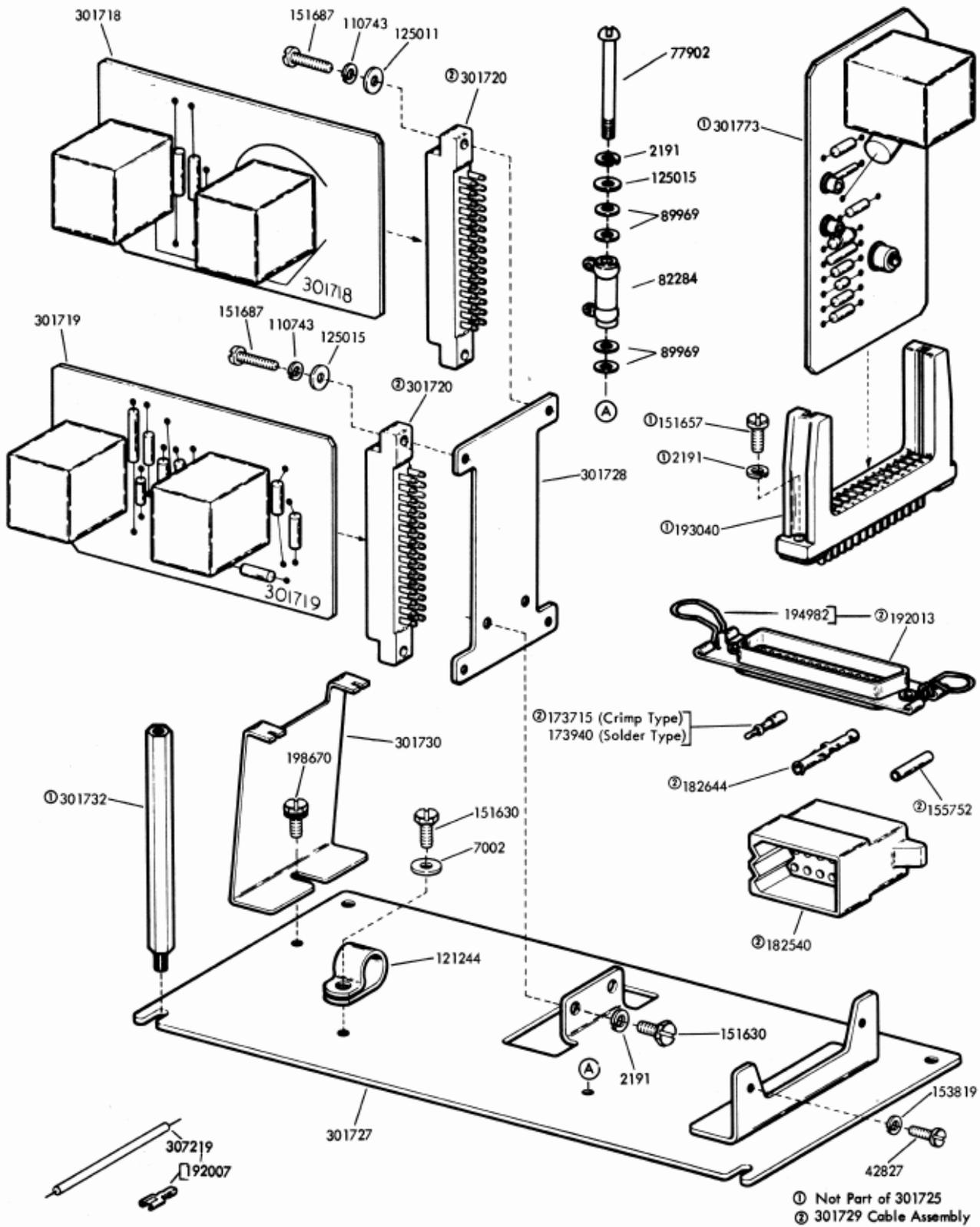


FIGURE 19. 301725 RELAY ASSEMBLY

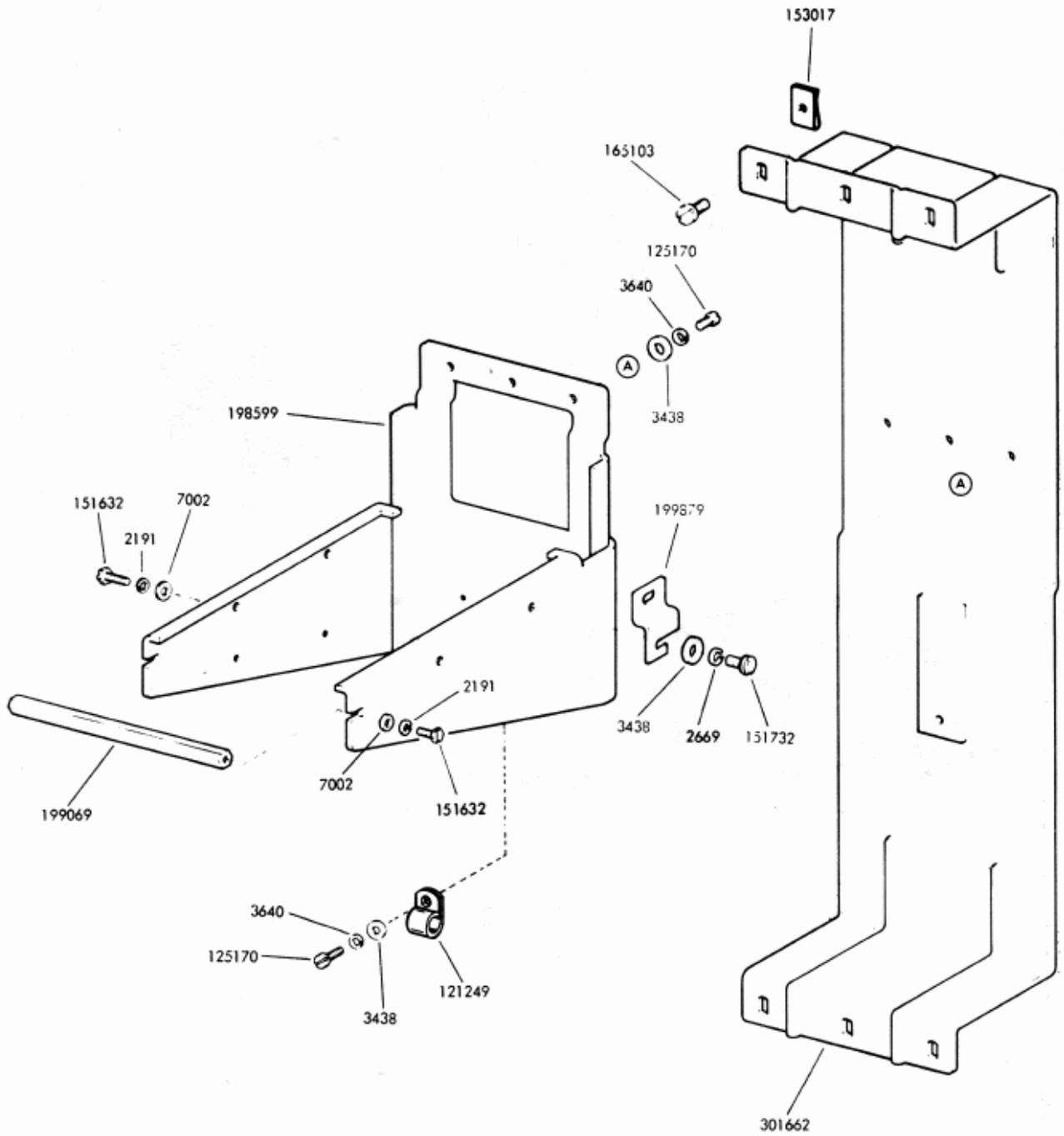


FIGURE 20. MOUNTING PLATES FOR SELECTOR MAGNET DRIVER AND LOW LEVEL KEY

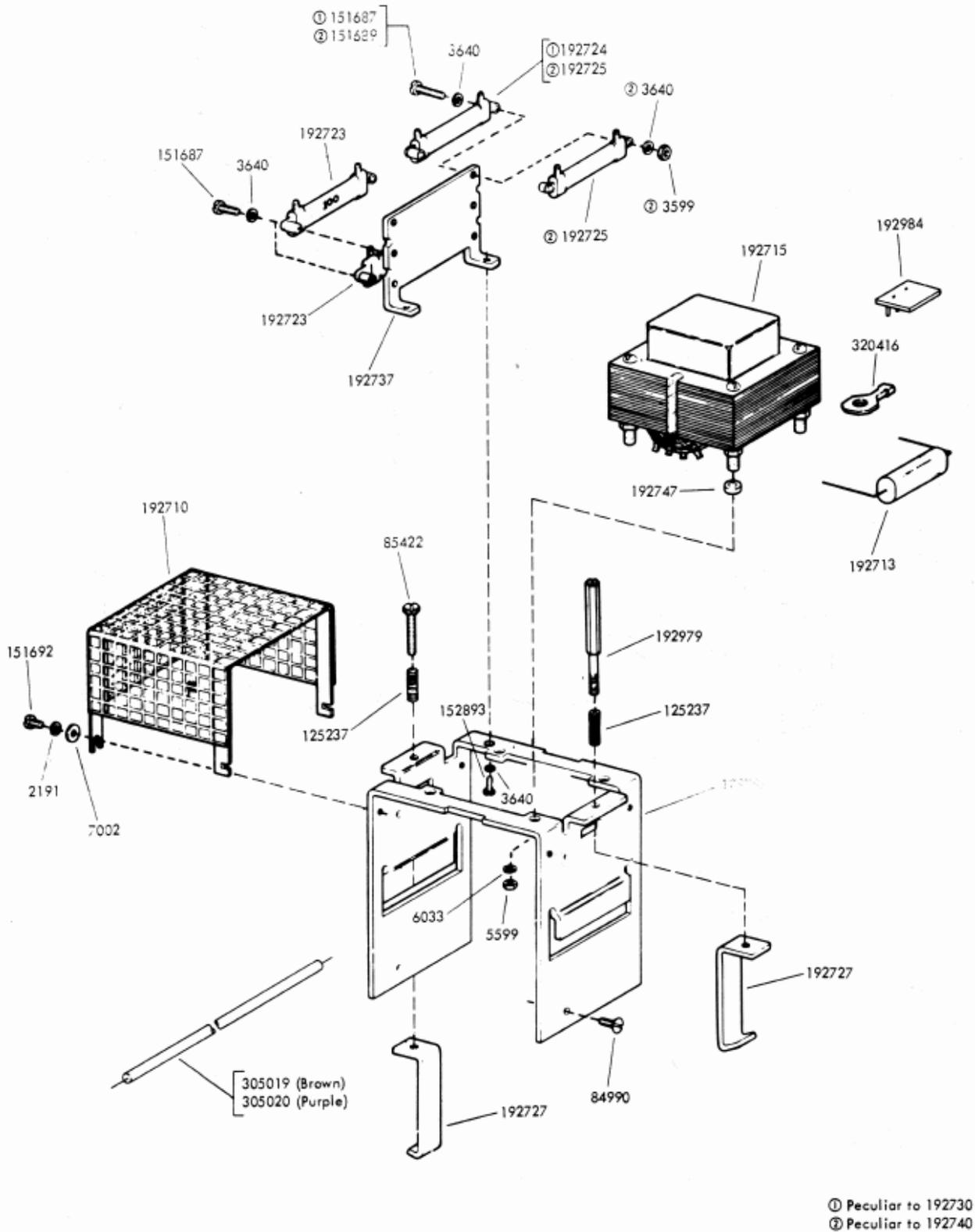
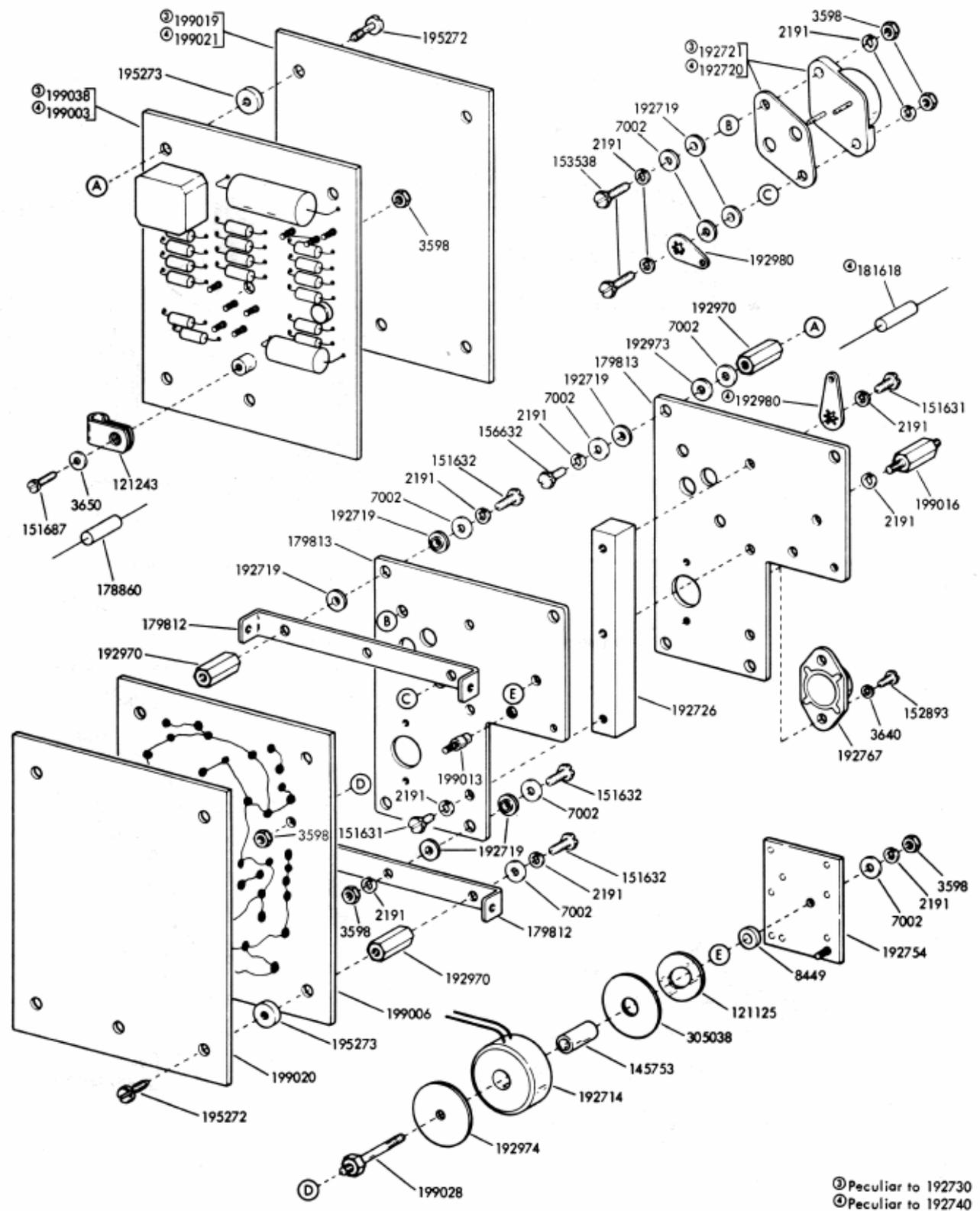


FIGURE 21. 192730 SELECTOR MAGNET DRIVER AND 192740 LOW LEVEL KEYSER ASSEMBLIES



ⓐ Peculiar to 192730
 ⓑ Peculiar to 192740

FIGURE 22. 192730 SELECTOR MAGNET DRIVER AND 192740 LOW LEVEL KEYER ASSEMBLIES (Continued)

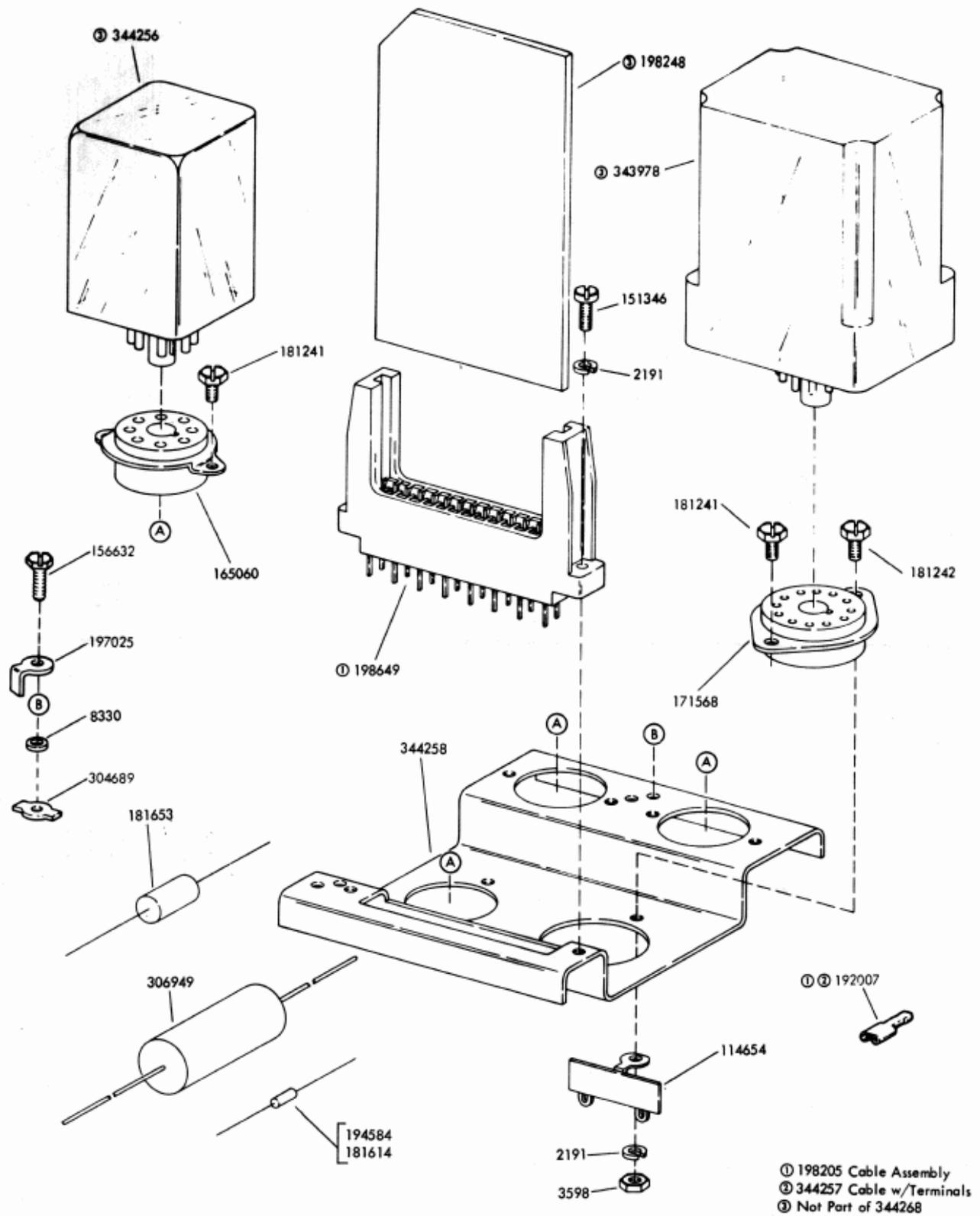


FIGURE 24. 344268 CONTROL RELAY PLATE ASSEMBLY

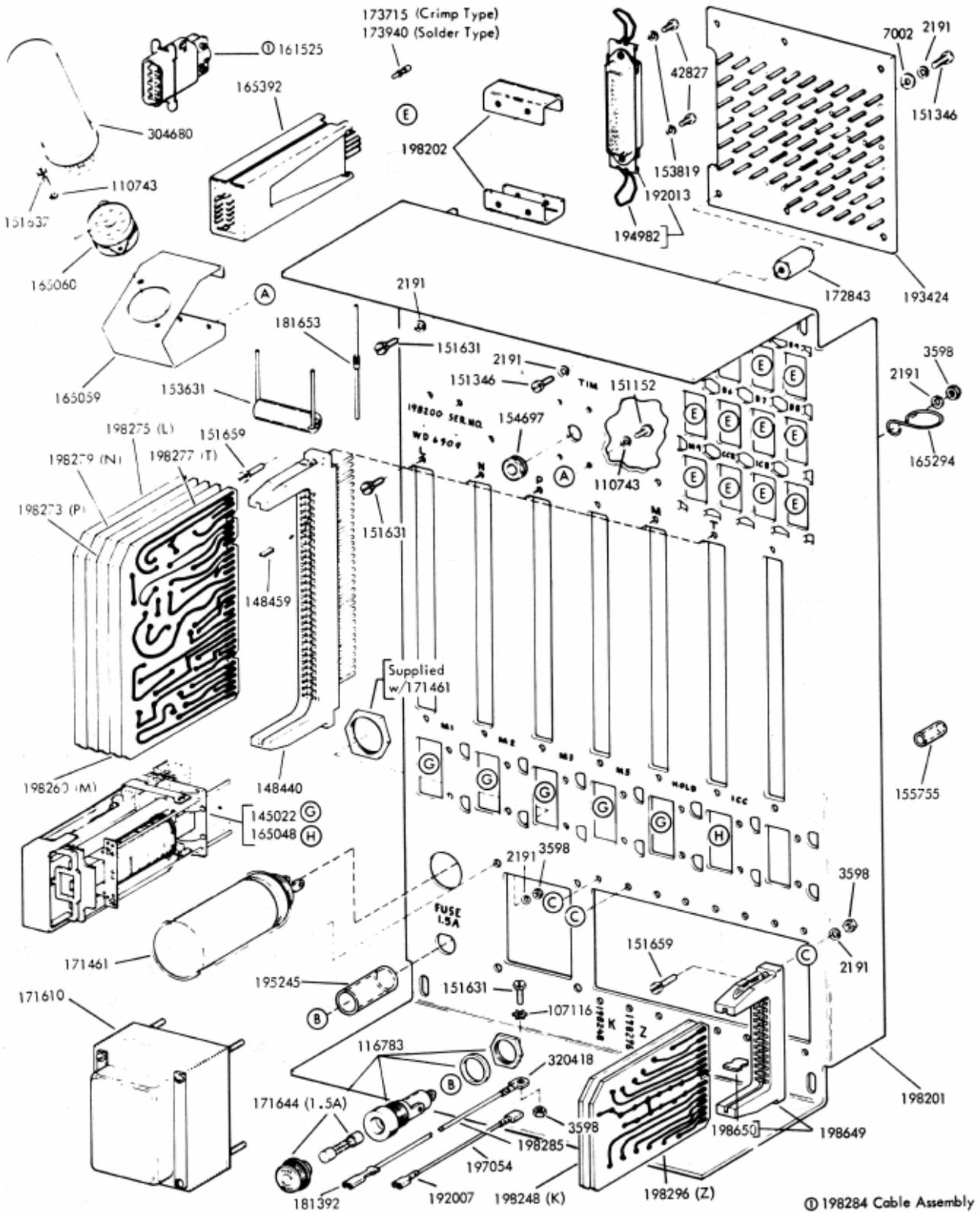


FIGURE 28. 198200 RELAY PANEL ASSEMBLY

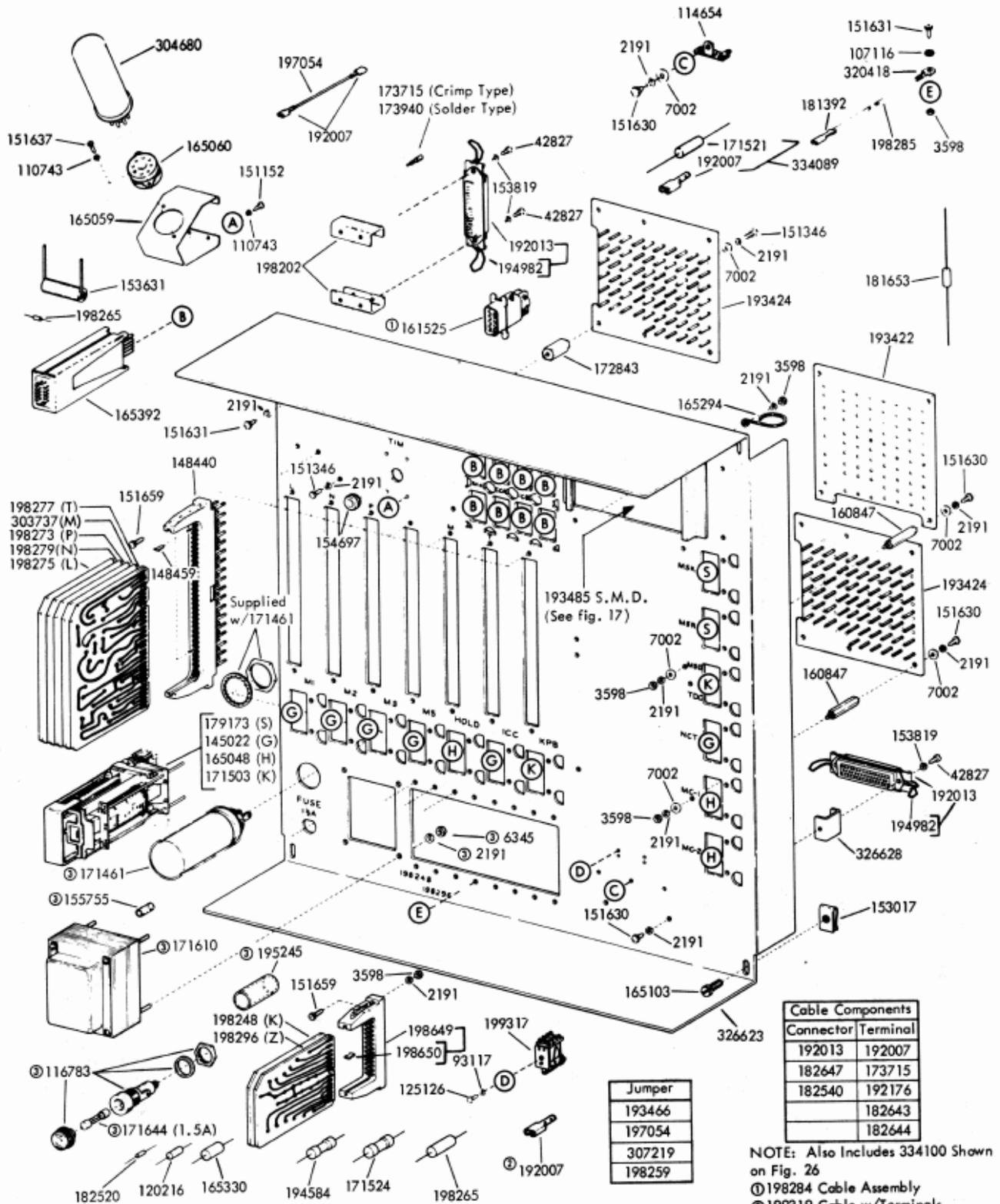


FIGURE 29. 326608 LOGIC PANEL ASSEMBLY

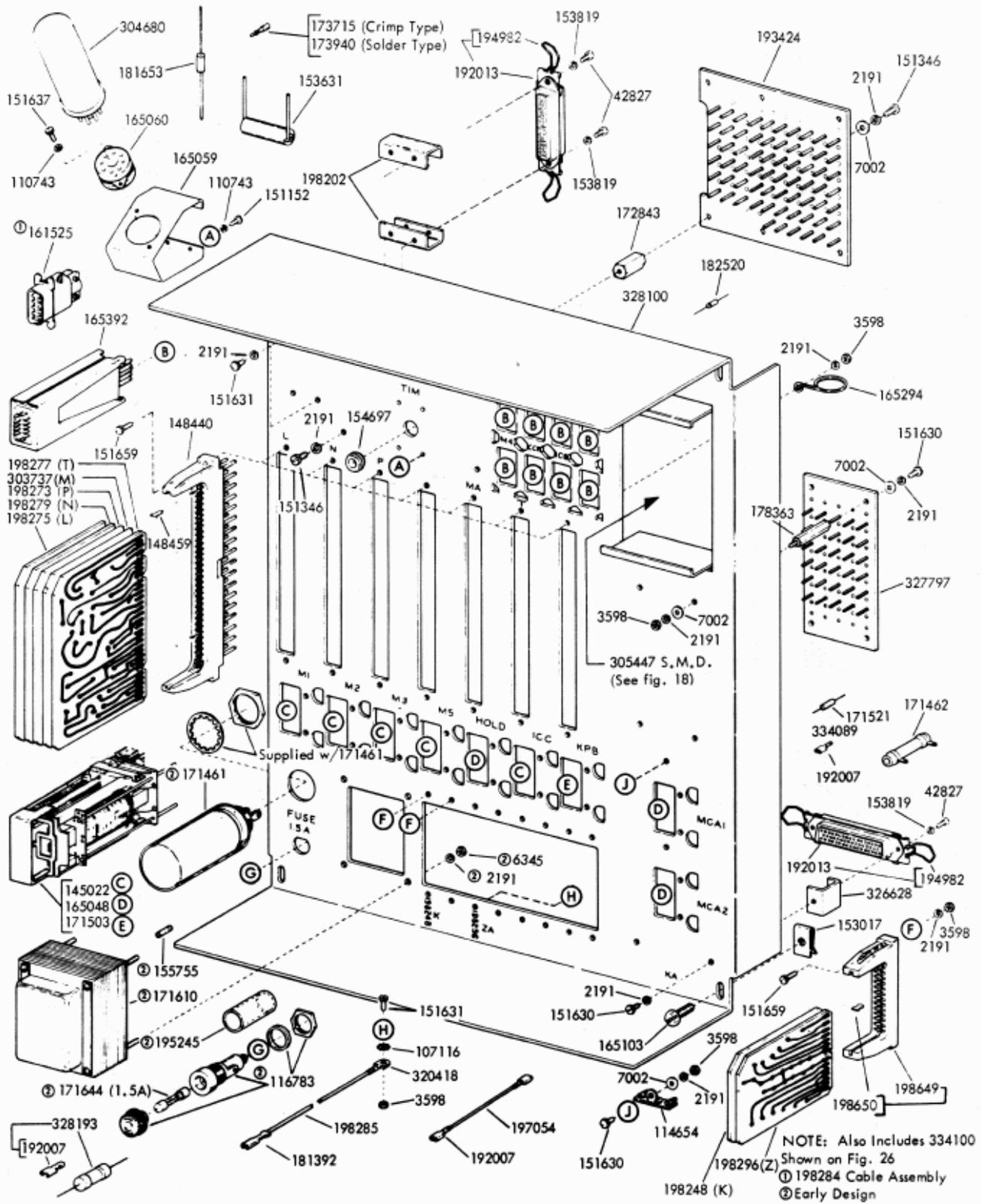


FIGURE 30. 327740 LOGIC PANEL ASSEMBLY

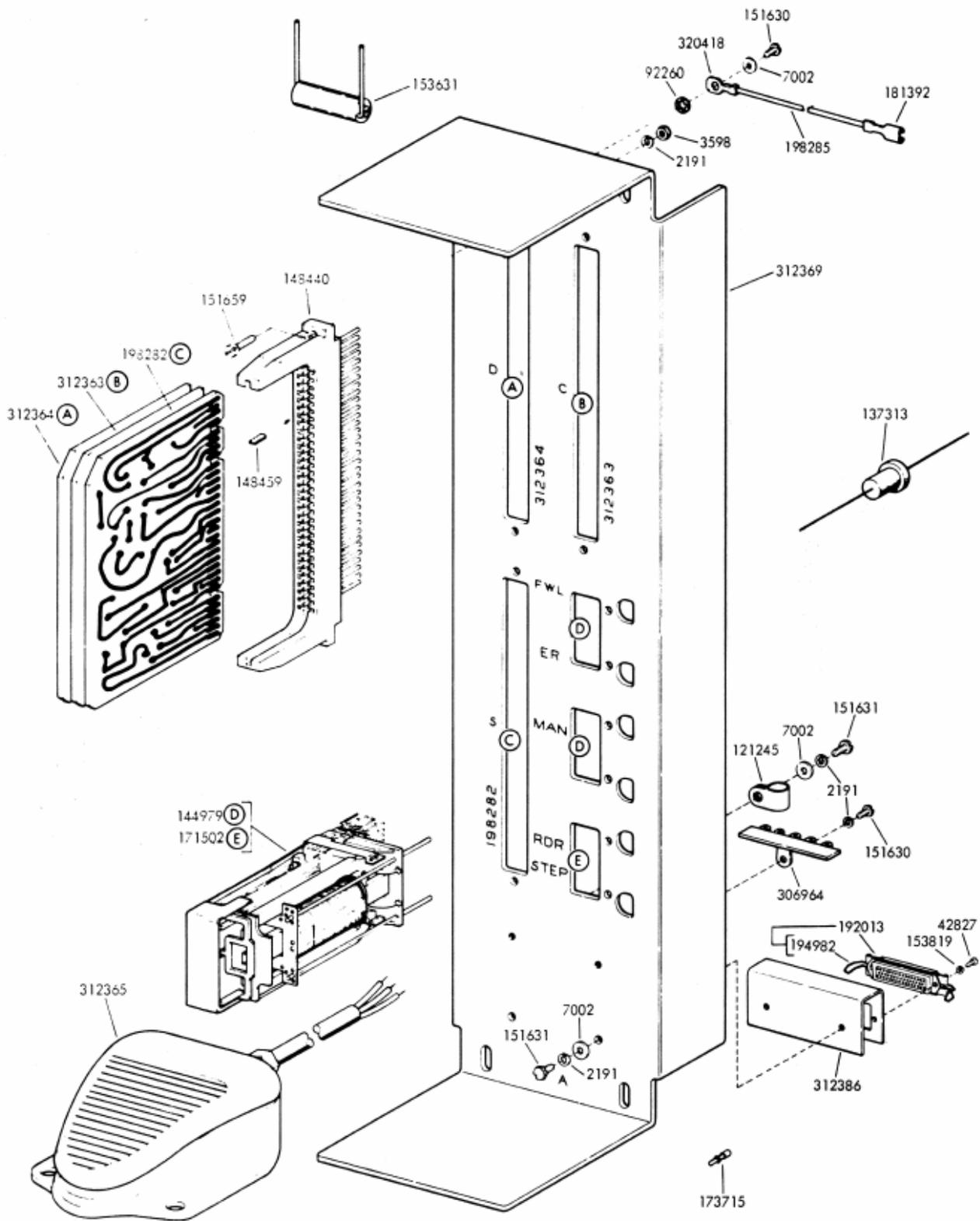


FIGURE 32. 312369 FIXED WORD LENGTH CONTROL MODULE ASSEMBLY

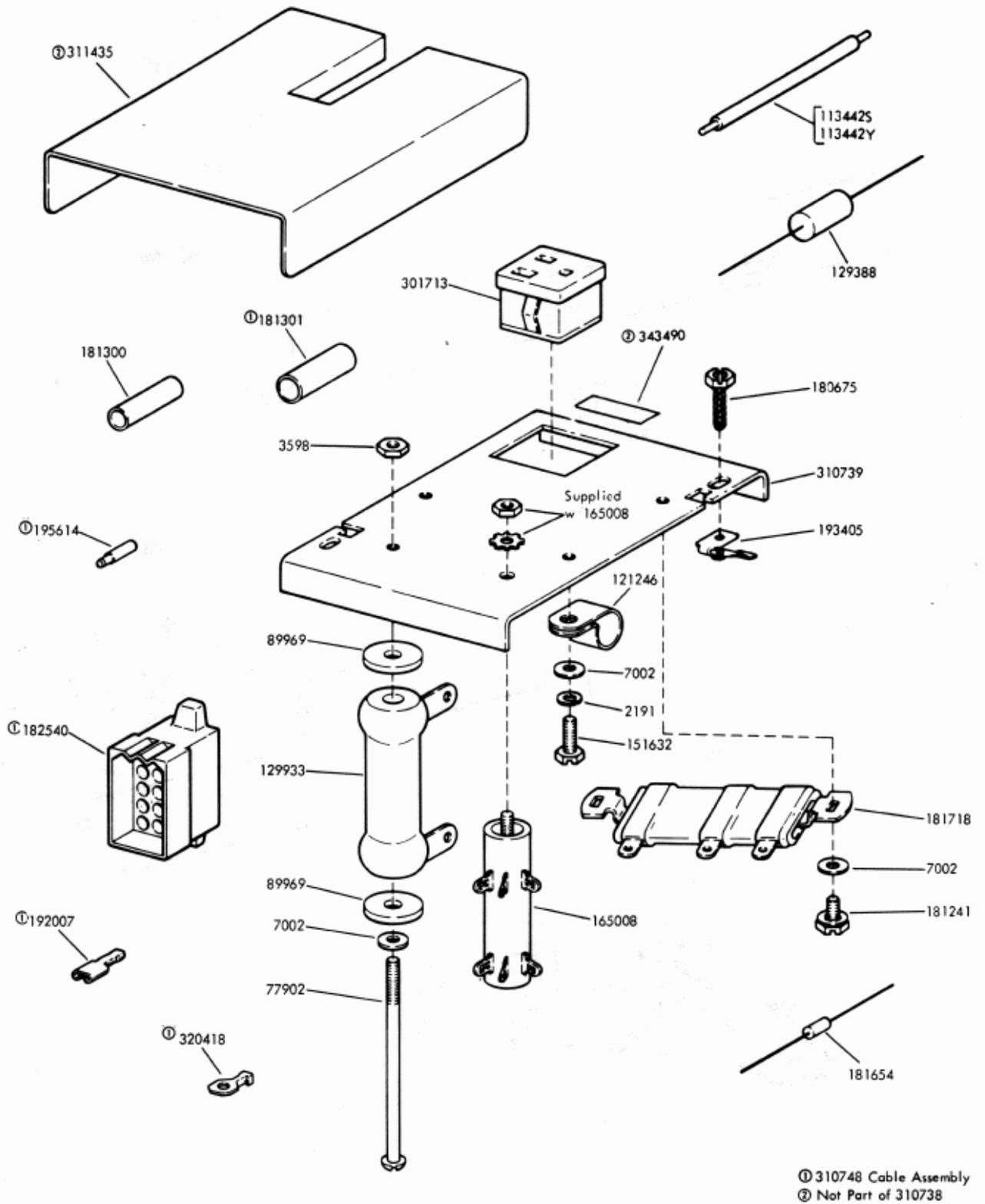


FIGURE 33. 310738 PANEL ASSEMBLY

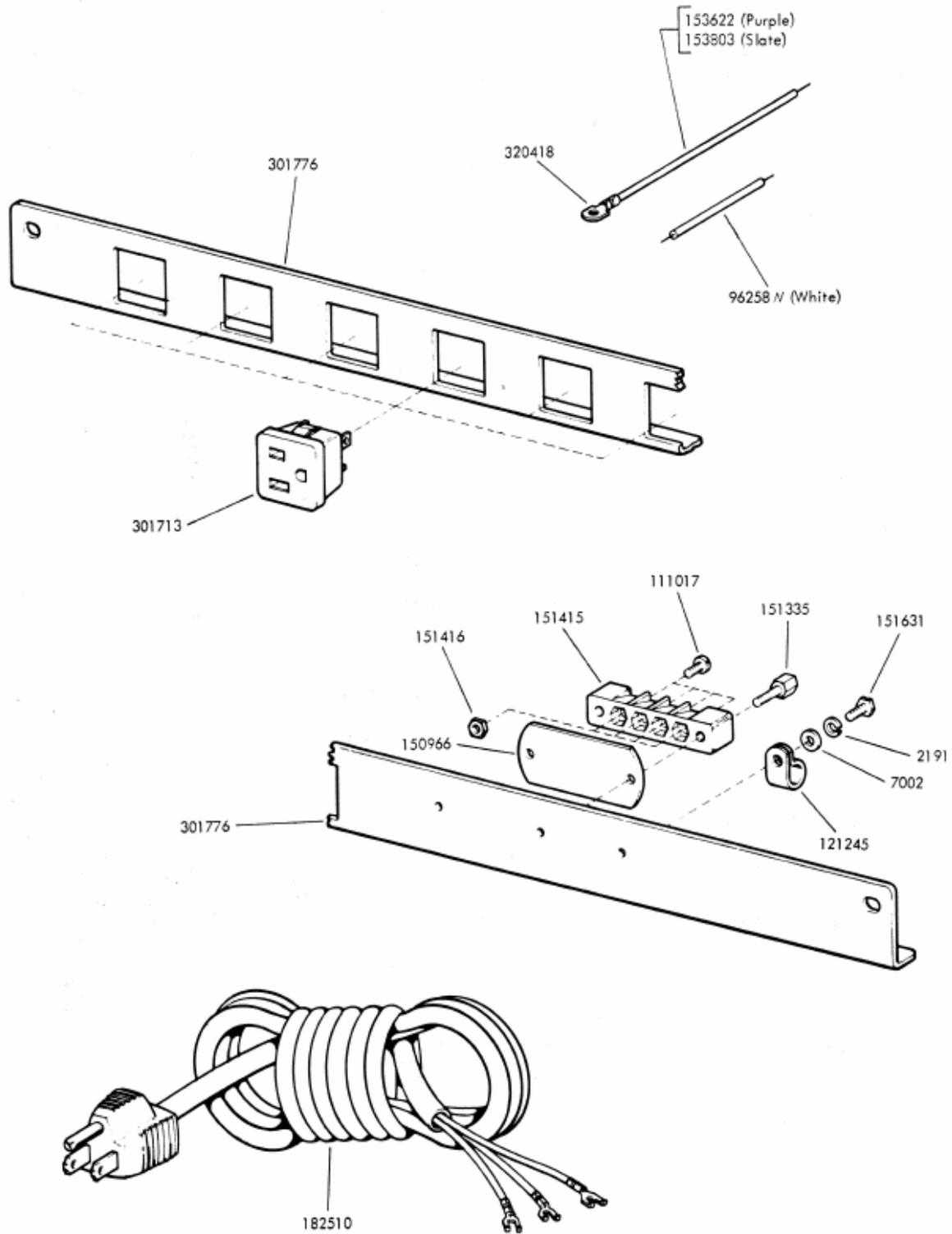


FIGURE 34. 301782 CONNECTOR PLATE ASSEMBLY



INSULATING SLEEVES		
Part No.	Length	I.D.
155750	1/2"	3/32"
155751	1"	1/8"
155752	1/2"	5/64"
155753	1/2"	1/8"
155754	1/2"	1/16"
155755	5/8"	11/64"
178871	1 1/8"	1/16"
181301	1"	1/4"
181892	1"	9/64"



JUMPERS		
Part No.	Length	Terminals
193465	2 3/4"	173716 (2)
193466	13"	192007 (1)
193476	2 3/4"	182643 (2)
197027	9"	181392 (2)
197054	3"	192007 (2)
198259	3"	192007 (3)
198262	5"	192007 (1)
198831	8"	192007 (2)
199326	16"	192007 (1) 182644 (1)
199396	9"	192007 (1) 181392 (1)
307219	6"	192007 (2)
312684	5"	192007 (2)
320265	24"	192007 (1)
328191	12"	192007 (2)
328192	15"	192007 (1) 320418 (1)



CABLE CLAMPS	
Part No.	I.D.
121242	1/8"
121243	3/16"
121244	1/4"
121245	5/16"
121246	3/8"
121247	7/16"
121248	1/2"
121249	5/8"
121250	3/4"
121251	1"
162864	7/8"

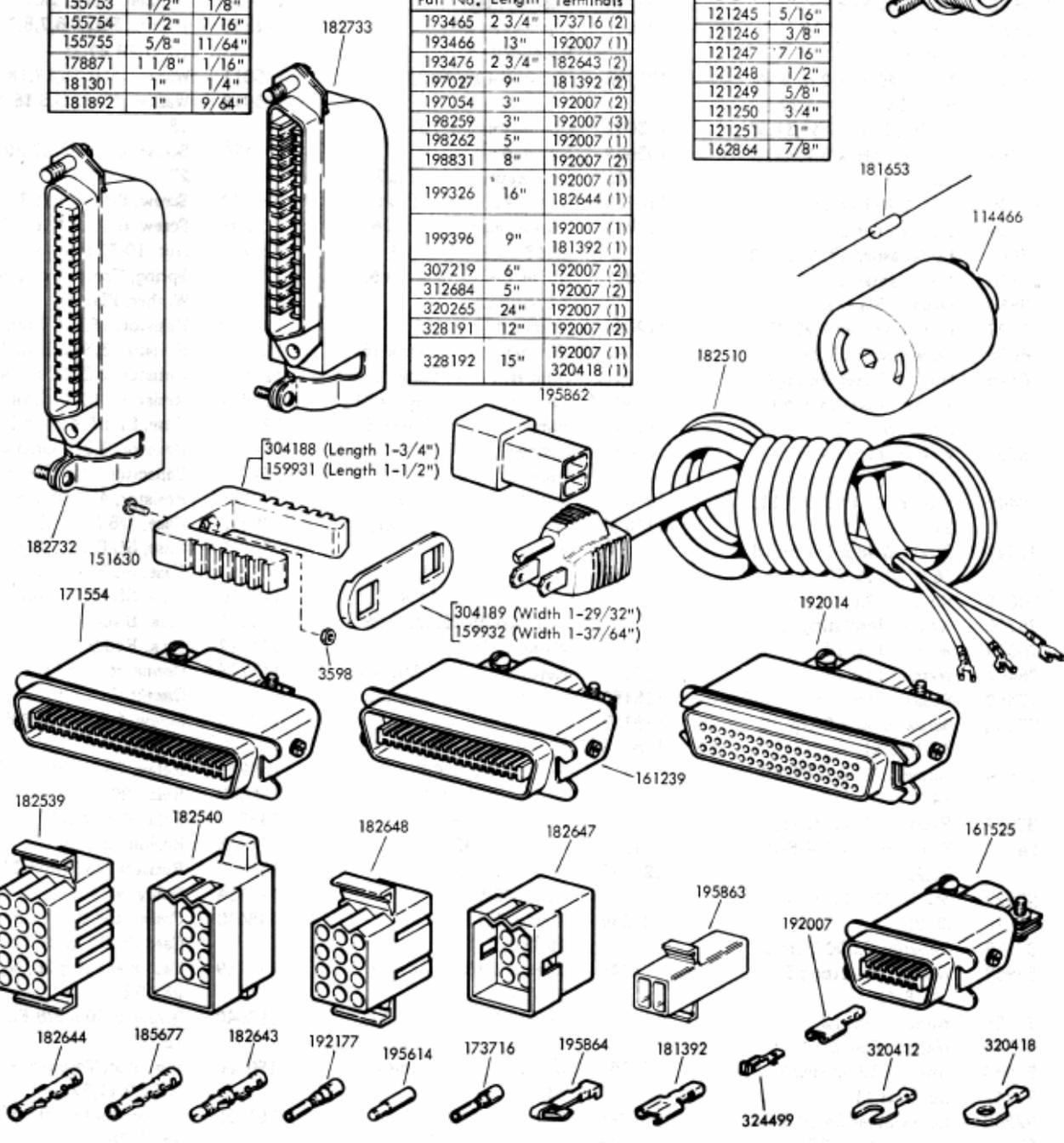
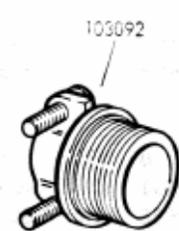


FIGURE 35. CABLE COMPONENTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1158	Screw, 6-32 x 5/16 Fil 10	94665	Screw, 6-40 Shoulder 2	121250	Clamp, 3/4 ID Cable 33
2191	Lockwasher 2 to 32	96258W	Jumper, 3" White 32	121251	Clamp, 1 ID Cable 33
2658	Nut, 6-32 Hex 25	98718	Washer, Flat 2	121426	Jumper, 7-3/4" Black 11
2669	Lockwasher 19,24	100657	Connector, 2 Pt Receptacle 6	121630	Washer, Flat 2,6,7,8,9, 10,11,14,24,25
3438	Washer, Flat 19	102092	Screw, 6-40 x 1-17/32 RD 3,11	125011	Washer, Flat 16,17,18
3598	Nut, 6-40 Hex 2 to 5, 7, 9,10, 13 to 17, 21,22, 23,26,27,28,29,30,31,33	103092	Connector, Cord 33	125015	Washer, Flat 2,3,5,16,17, 18
3599	Nut, 4-40 Hex 6,7,9,11, 20	103469	Screw, 4-40 Spl 2	125126	Screw, 2-56 x 9/32 Fil 4, 27
3606	Nut, 6-40 Hex 25	107116	Lockwasher 2,26,27,28	125170	Screw, 8-32 x 5/16 Fil 19
3639	Lockwasher 2	110435	Nut, 4-40 Hex 16,17,25	125205	Screw, 6-40 x 7/16 Fil 24
3640	Lockwasher 19,20,21,22	110743	Lockwasher 6,7,9,11,16, 17,18,25,26,27,28,29	125231	Nut, 10-32 Hex 24
3646	Lockwasher 2	111017	Screw, 6-40 x 5/16 Fil 6, 7,8,9,11,32	125237	Spring, Compression 20,22
3650	Washer, Flat 21	112080	Washer, Flat 2	125802	Washer, Flat 25
5599	Nut, 8-32 Hex 2,20,22	113442BK	Jumper, 2-1/2" Black 16	129388	Resistor, 15,000 Ohm 31
6033	Lockwasher 20,22	113442S	Jumper, 2-1/2" Slate 31	129851	Resistor, 3,300 Ohm 4
6345	Nut, 6-32 Hex 24,28,29	113442Y	Jumper, 2-1/2" Yellow 31	129852	Resistor, 2,200 Ohm 4
7002	Washer, Flat 2,3,4, 6 to 22,25 to 30,32	113443	Jumper, 2-1/3" Orange 5	129854	Resistor, 10,111 Ohm 22
8330	Washer, Flat 2,4,5,15, 17,23	114466	Connector, 3 Pt Receptacle 33	129919	Fuse, SL-BL 4 Amp 8,9
8449	Spacer, .094" Thk 7,11, 21	114478	Nut, 15/32-32 Hex 9	129933	Resistor, 1,200 Ohm 31
42827	Screw, 3-48 x 1/4 Fil 18, 26,27,28,29,30	114654	Strip, Terminal 4,23,27, 28	137313	Capacitor, 50 MFD 30
74615	Resistor, 2,000 Ohm 3	115358	Fuse, 1 Amp 9,24	137602	Resistor, 470 Ohm 4
75750	Washer, Insulating 3,25	116783	Holder, Fuse 6,7,8,9,11, 16,17,24,25,26,27,28,29	139200	Fuse, 1/8 Amp 15
76099	Washer, Flat 14	117535	Washer, Flat 24	139820	Fuse, SL-BL 2.5 Amp 6
76461	Washer, Flat 16,17	118177	Resistor, 22,000 Ohm 24	142269	Fuse, SL-BL 3 Amp 11
77362	Resistor, 350 Ohm 3	118180	Resistor, 10,000 Ohm 22	143306	Fuse, SL-BL 1 Amp 25
77902	Screw, 6-40 x 2-3/8 Rd 3,18,25,31	118187	Resistor, 27,000 Ohm 4	143311	Jack, Black 9
80854	Screw, 6-40 x 1-7/8 Fil 14	118193	Resistor, 10,000 Ohm 4	143312	Jack, Red 9
82284	Resistor, 70 Ohm 18	118210	Resistor, 22,000 Ohm 25	143773	Connector, 15 Pt Circuit Card 17
84990	Screw, 6-40 x 1/4 Flat 20,22	120216	Resistor, 1,800 Ohm 4,27	144590	Screw, 6-40 x 1-3/8 Fil 16,17
85422	Screw, 10-32 x 15/16 Hex 20,22	121125	Washer, Spring 21,22	144979	Relay, 700 Ohm 29,30
87477	Resistor, 1,000 Ohm 3	121242	Clamp, 1/8 ID Cable 33	145003	Relay 29
89969	Washer, Insulating 3,5, 14,18,31	121243	Clamp, 3/16 ID Cable 2, 13,21,25,33	145022	Relay 4,5,26,27,28
90789	Washer, Flat 12	121244	Clamp, 1/4 ID Cable 15, 16,18,33	145753	Bushing 21,22
90790	Washer, Flat 2	121245	Clamp, 5/16 ID Cable 7, 9,17,30,32,33	146967	Resistor, 750 Ohm 25
91683	Nut, 15/32-32 Hex 9	121246	Clamp, 3/8 ID Cable 31, 33	147014	Relay 24
91742	Locknut 11	121247	Clamp, 7/16 ID Cable 6, 33	148440	Connector, 36 Pt Circuit Card 26,27,28,29,30
92260	Lockwasher 25,29,30	121248	Clamp, 1/2 ID Cable 33	148459	Tab. Polarizing 26,27, 28,29,30
93117	Lockwasher 4,27	121249	Clamp, 5/8 ID Cable 19, 33	150040	Screw, 6-40 x 5/8 Fil 14, 16,25
				150966	Insulator, Terminal Block 6,7,8,9,11,32
				151152	Screw, 4-40 x 3/16 Hex 26,27,28

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
151335	Stud 6,7,8,9,11,31,32	153622	Jumper, 5" Purple 32	162864	Clamp, 7/8 ID Cable 33
151346	Screw, 6-40 x 3/8 Fil 4, 14 to 17, 23, 26 to 29	153631	Network, Spark Suppression 3,4,5,12,13, 24,26,27,28,29,30	164958	Screw, 4-40 x 1/2 Hex 16, 17
151415	Block, Terminal 6,7,8,9, 11,32	153803	Jumper, 5" Slate 11,32	165008	Turret, Terminal 3,31
151416	Nut, 6-40 Hex 6,7,8,9, 11,32	153817	Screw, 4-40 x 3/8 Hex 25	165009	Terminal 25
151418	Fuse, 10 Amp 6	153819	Lockwasher 18,26,27,28, 29,30	165048	Relay 26,27,28
151427	Plate, Clamp 14,25	153841	Screw, 6-40 x 9/16 Hex 2	165059	Bracket, Mounting 26,27, 28,29
151442	Screw, 6-40 x 1/2 Hex 3, 15,17	154697	Grommet, Rubber 6,7,8,9, 11,26,27,28,29	165060	Socket, Tube 23,26,27, 28,29
151629	Nut, 6-40 Lug 3,16	155045	Switch, SP-DT Toggle 9	165103	Screw, 12-24 x 5/8 Rd 19, 27,28
151630	Screw, 6-40 x 1/4 Hex 6, 7,8,11,15,17,18,27,28,29, 30,33	155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 7,11,14,16, 17,24,29,33	165116	Terminal 6,7,9,11
151631	Screw, 6-40 x 5/16 Hex 2, 4,6,10,12,16,17,21,26 to 30, 32	155751	Sleeve, 1/8 ID x 1" Lg Insulating 33	165294	Guide, Wire 26,27,28,29
151632	Screw, 6-40 x 3/8 Hex 3, 9,10,13,15,16,17,19,21, 22,31	155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 18,33	165330	Resistor, 1,000 Ohm 4,27
151637	Screw, 4-40 x 1/4 Fil 26, 27,28,29	155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 33	165392	Relay, 525 Ohm 26,27,28, 29
151657	Screw, 6-40 x 1/4 Fil 10, 18	155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 33	165704	Cable w/Terminals 13
151658	Screw, 6-40 x 5/16 Fil 6, 7	155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 5,7,11,14, 16,26,27,28,29,33	165708	Relay Assembly 1,13
151659	Screw, 6-40 x 1/2 Fil 26, 27,28,29,30	155858	Resistor, 700 Ohm 5,14	165710	Jumper, 8-1/2" Green 8, 11
151687	Screw, 4-40 x 7/16 Fil 18,20,21,22	156536	Screw, 4-40 x 1/8 Fil 6,7	165735	Cable Assembly 14
151689	Screw, 4-40 x 3/4 Fil 20	156632	Screw, 6-40 x 13/32 Hex 5,6,7,8,9,11,21,23,24	165736	Regenerator Assembly, Signal 1,14
151692	Screw, 6-40 x 3/16 Fil 6, 7,20,22	158286	Transformer 6,7,8,9,10, 11,13	171195	Post 4
151693	Screw, 6-40 x 9/16 Fil 4	159658	Screw, 6-40 x 1-3/32 Hex 15	171461	Capacitor, 900 MFD 25, 26,27,28,29
151722	Screw, 6-40 x 3/16 Hex 6, 7,8,9,10,11,17	159931	Clamp 33	171462	Resistor, 450 Ohm 28
151724	Screw, 10-32 x 5/8 Hex 2	159932	Keeper 33	171463	Resistor, 1 Ohm 25
151732	Screw, 4-40 x 11/32 Fil 19	160229	Plate, Mounting 25	171501	Relay 12
151827	Strap, Terminal 6,7,11	160847	Stud 2,4,27	171502	Relay 29,30
151939	Grommet, Rubber 10,13	161136	Fuse, SL-BL 6-1/4 Amp 6,7,11	171503	Relay 4,27,38
152893	Screw, 4-40 x 1/4 Hex 20,21,22	161239	Connector, 36 Pt Plug 33	171516	Relay 29
153017	Nut, Speed 19,27,28	161525	Connector, 14 Pt Plug 26,27,28,33	171521	Resistor, 100 Ohm 27,28
153455	Resistor, 600 Ohm 3	162357	Capacitor, 500 MFD 25	171524	Resistor, 700 Ohm 3,4, 12,27
153484	Screw, 6-32 Spl 3,13	162358	Diode 25	171541	Diode 3,4,25
153538	Screw, 6-40 x 7/16 Hex 6,7,21,22	162359	Transformer, Power 25	171554	Connector, 50 Pt Plug 33
		162360	Fuse, SL-BL .8 Amp 25	171568	Socket, 11 Pt 23
		162861	Screw, 6-40 x 1-7/16 Fil 5	171610	Transformer 26,27,28,29
				171644	Fuse, 1.5 Amp 26,27,28, 29
				172843	Post 26,27,28,29
				173715	Terminal, Plug Type 18, 26,27,28,29,30
				173716	Terminal, Receptacle Type 4,33
				173940	Terminal, Plug Type 18, 26,27,28

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
173941	Terminal, Receptacle Type 4	181810	Relay 6,7	185678	Plate, Identification 17
177100	Rectifier 4	181814	Capacitor, 250 MFD 3	185682	Plate, Identification 11
177108	Diode 4	181819	Connector, 15 Pt Circuit Card 24	185684	Plate, Identification 8, 9
177113	Insulator 16,17	181843	Nameplate 6	185686	Plate, Identification 6, 7,11
177566	Jumper, 6" Black 8,11	181848	Nameplate 6	192007	Terminal, Tab Type 3,4, 5,6,7,8,9,10,11,13,14,15, 16,17,18,23,24,25,26,27, 28,31,33
178306	Relay, Power 13	181849	Nameplate 6	192013	Connector, 50 Pt Plug Type 18,26,27,28,29,30
178363	Stud 28	181891	Sleeve, 3/16 ID x 2-1/2" Lg Insulating 13	192014	Connector, 50 Pt Receptacle Type 33
178535	Suppressor, Spark 13	181892	Sleeve, 9/64 ID x 1" Lg Insulating 25,33	192108	Jumper, 4-1/2" Slate 11
178848	Diode 4	182182	Holder, Fuse 15	192176	Terminal, Plug Type 27
178853	Cover, Relay 10	182193	Insulator 13	192177	Terminal Receptacle Type 33
178854	Bracket, Relay 10	182284	Insulator, .015" Thk 3, 16,17	192273	Nut, Speed 2
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