

28 ELECTRICAL SERVICE UNIT (LESU)
for
REPERFORATORS
PARTS

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NOTE:

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

UNIT DESCRIPTION	TELETYPE CODE	BELL SYSTEM CODE
ELECTRICAL SERVICE UNIT	LESU12	28D
	LESU27	28K
	LESU30	28D-1
	LESU75	28D-2
	LESU96	28U

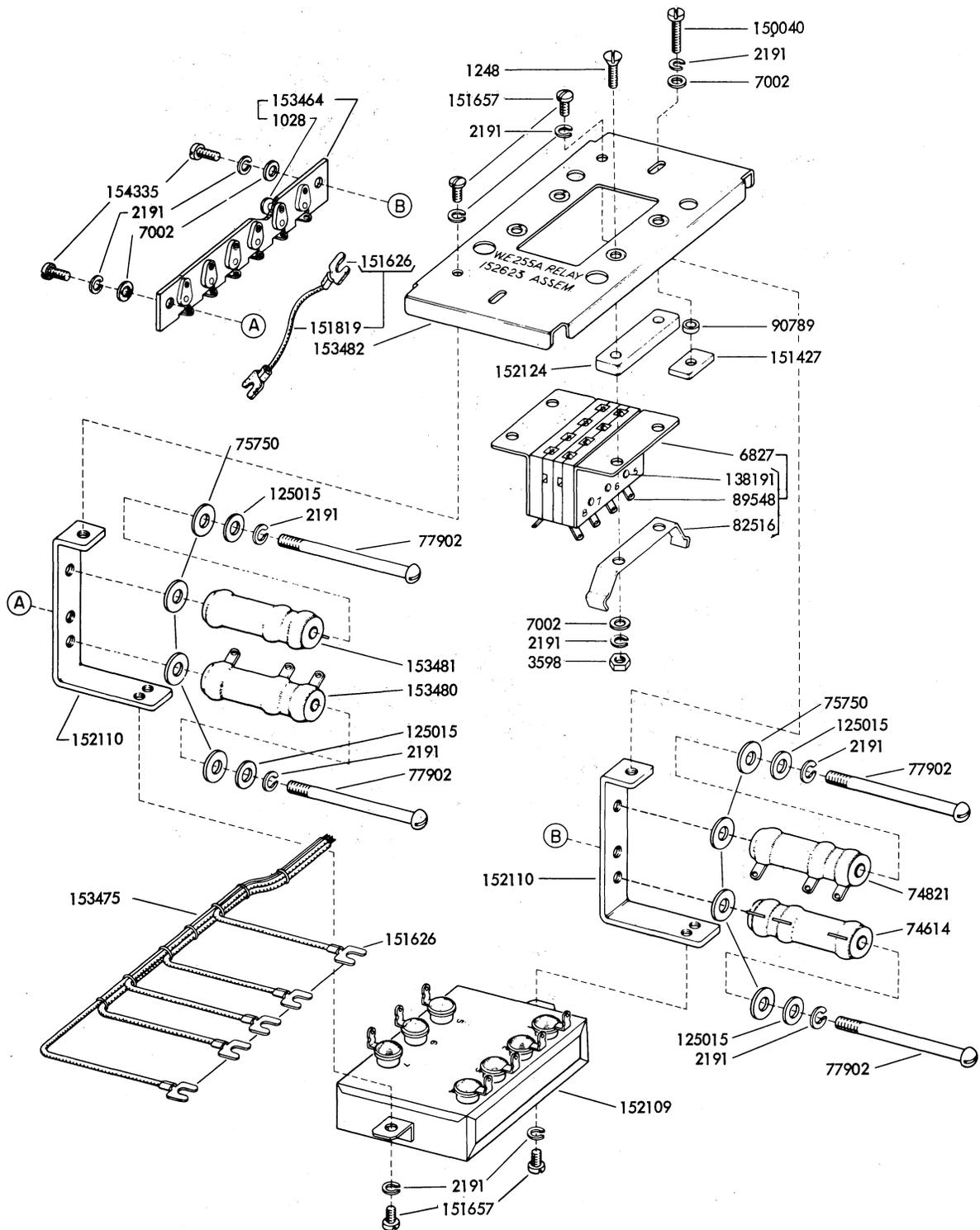


FIGURE 2. 152623 LINE RELAY MOUNTING ASSEMBLY

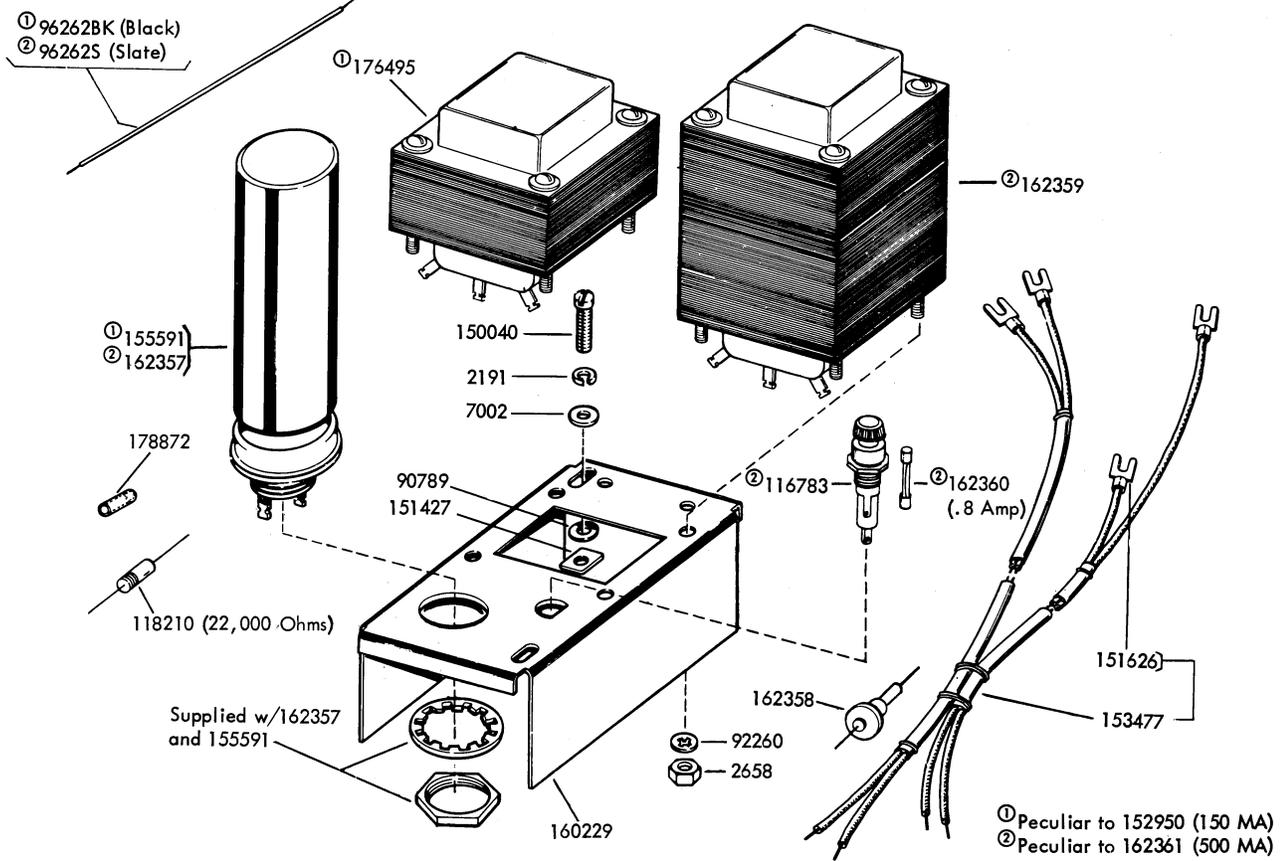
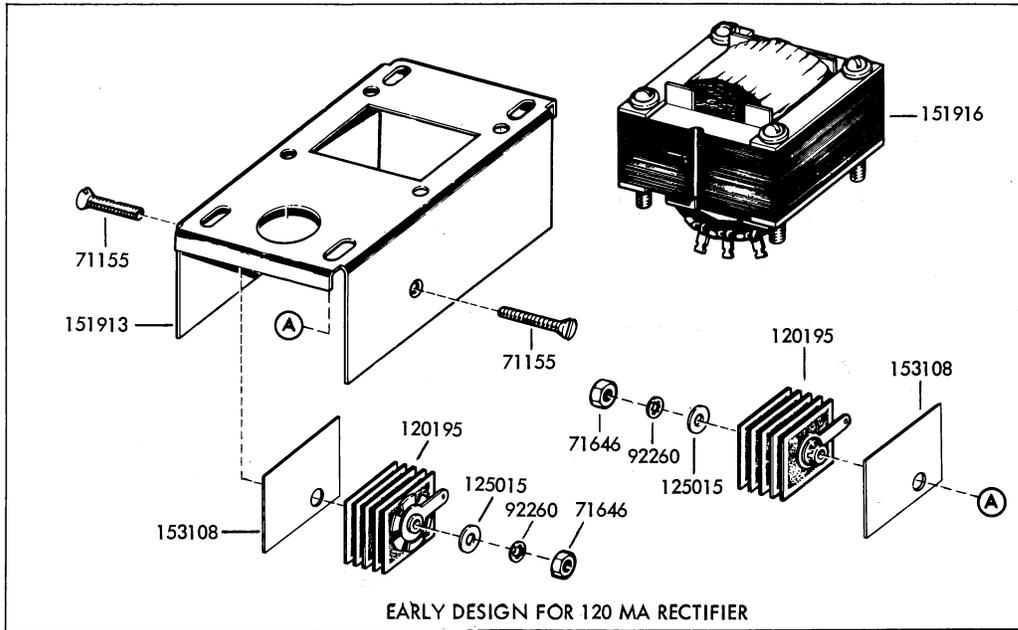


FIGURE 3. 152950 AND 162361 RECTIFIER ASSEMBLIES

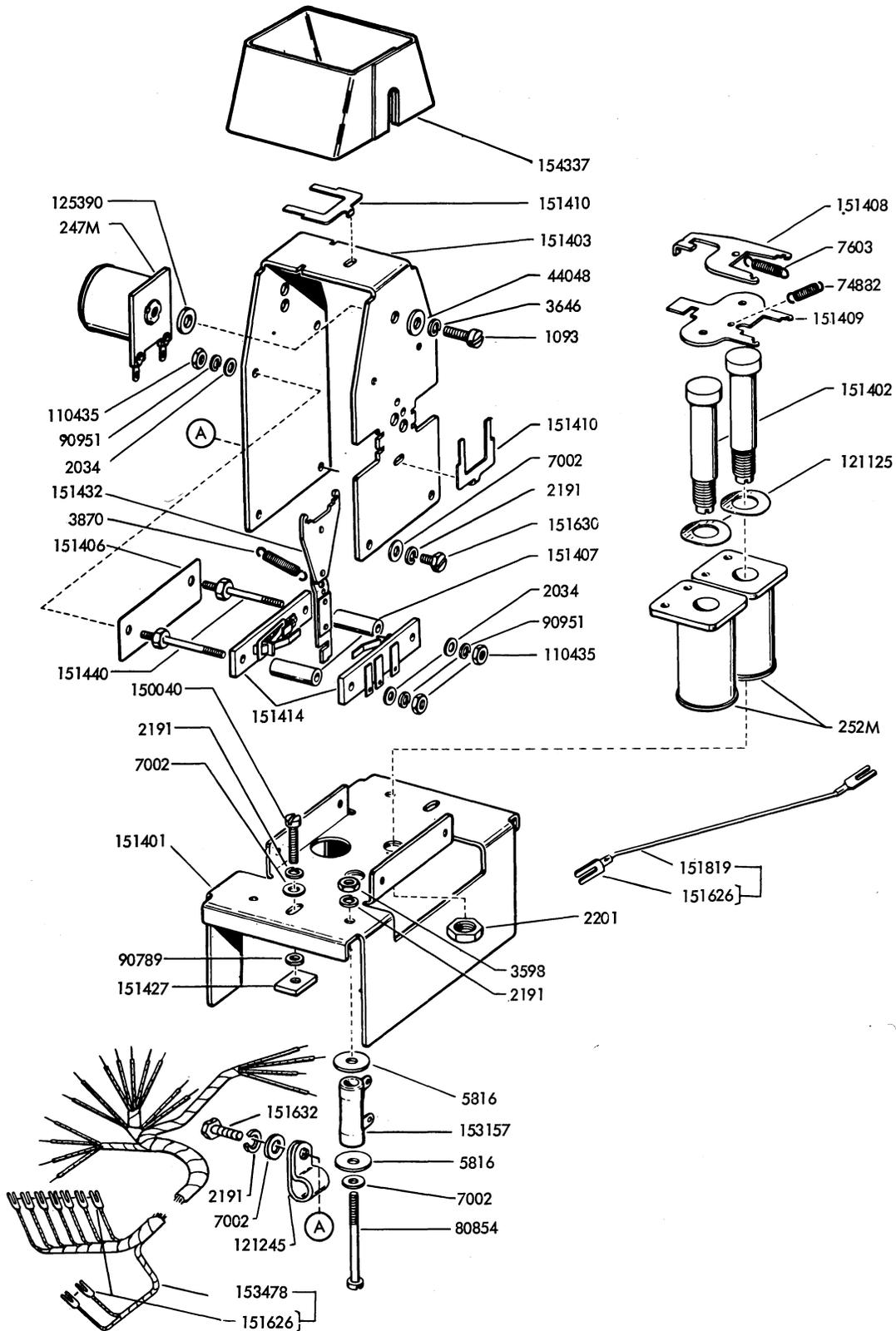


FIGURE 4. 153251 MOTOR CONTROL ASSEMBLY

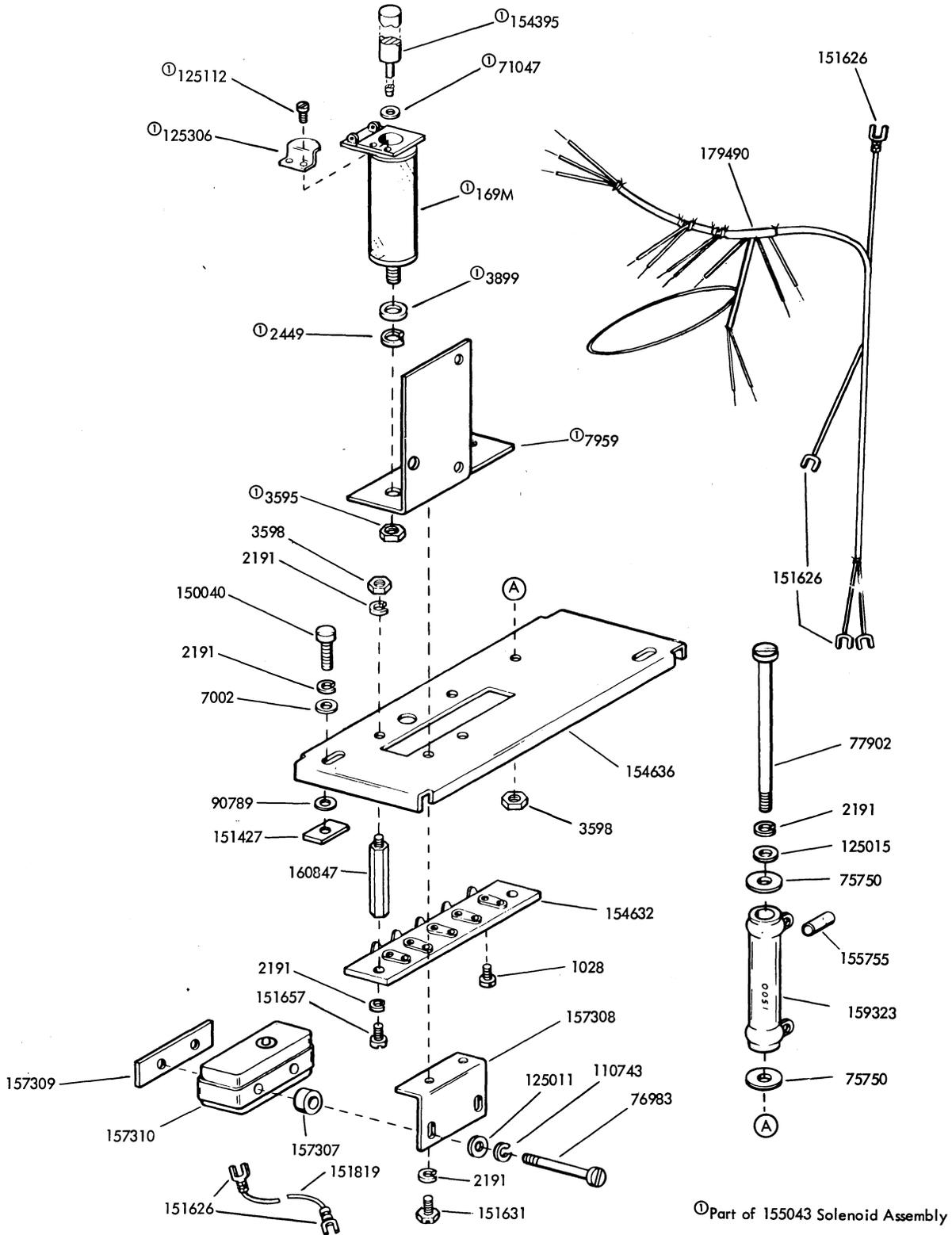


FIGURE 5. 176448 RELAY MOTOR CONTROL ASSEMBLY

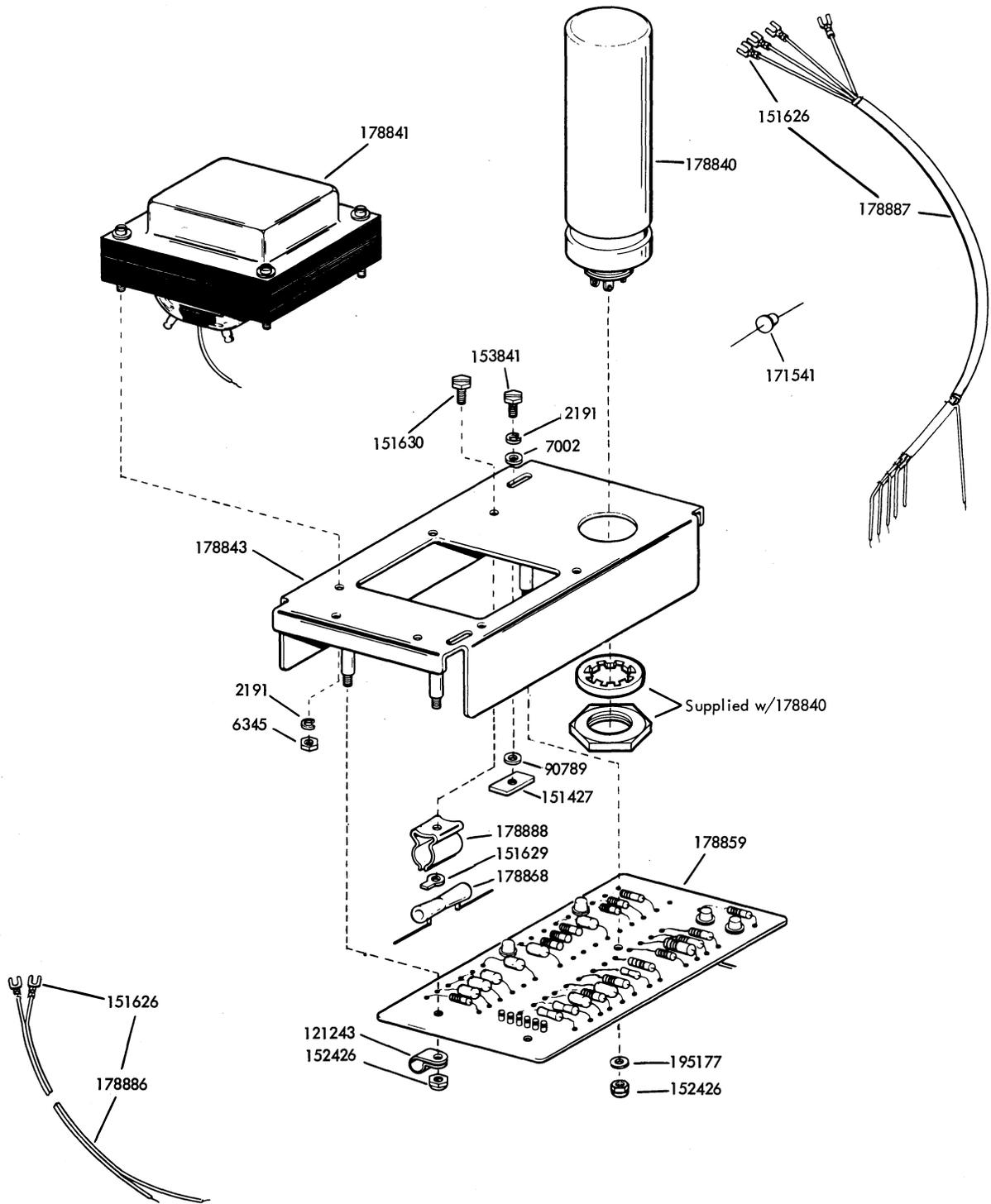


FIGURE 6. 177010 SELECTOR MAGNET DRIVER ASSEMBLY

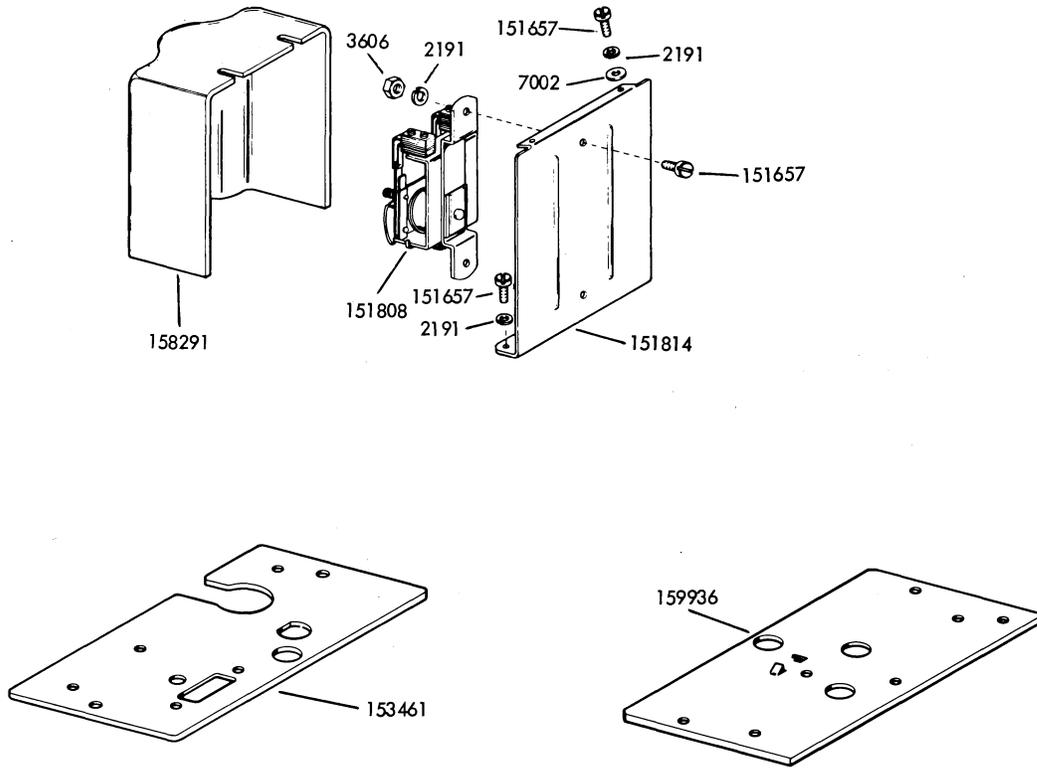


FIGURE 7. EARLY DESIGN LESU PARTS

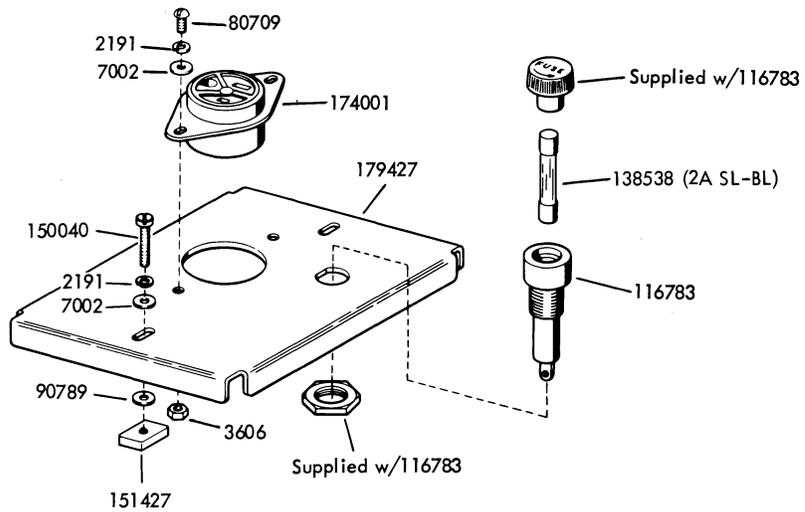


FIGURE 8. 179426 PLATE ASSEMBLY

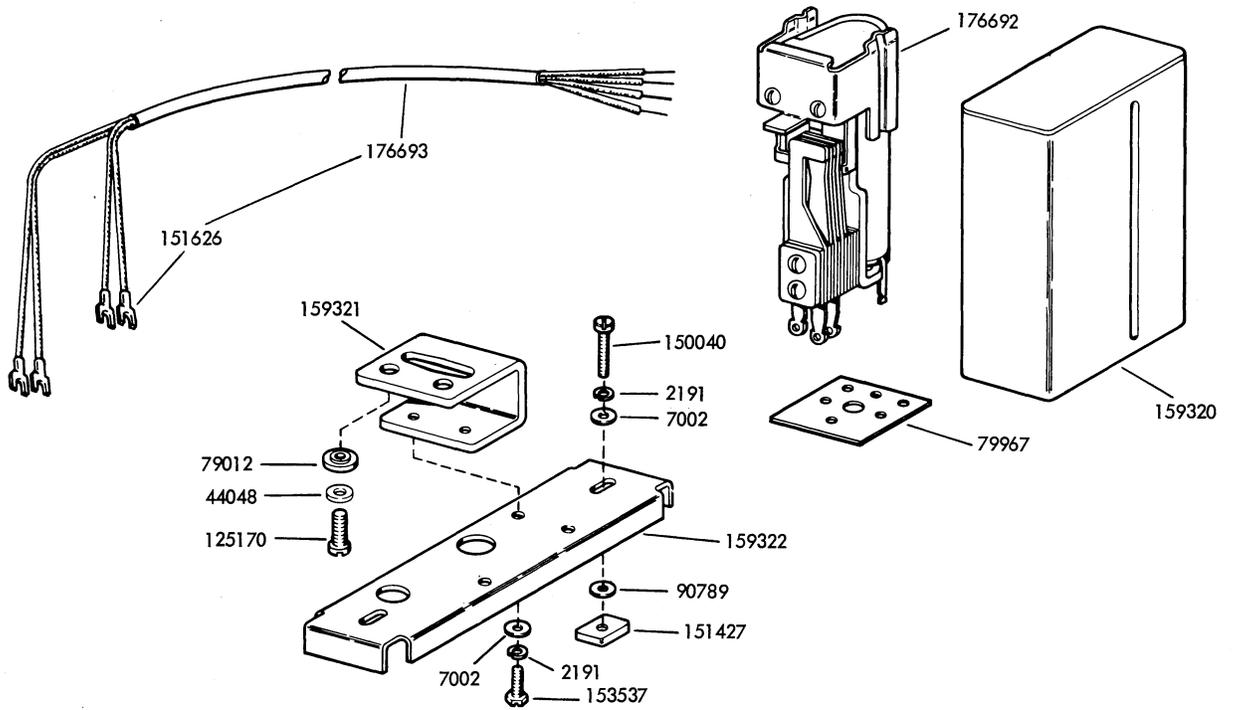


FIGURE 9. 176694 MOTOR CONTROL ASSEMBLY

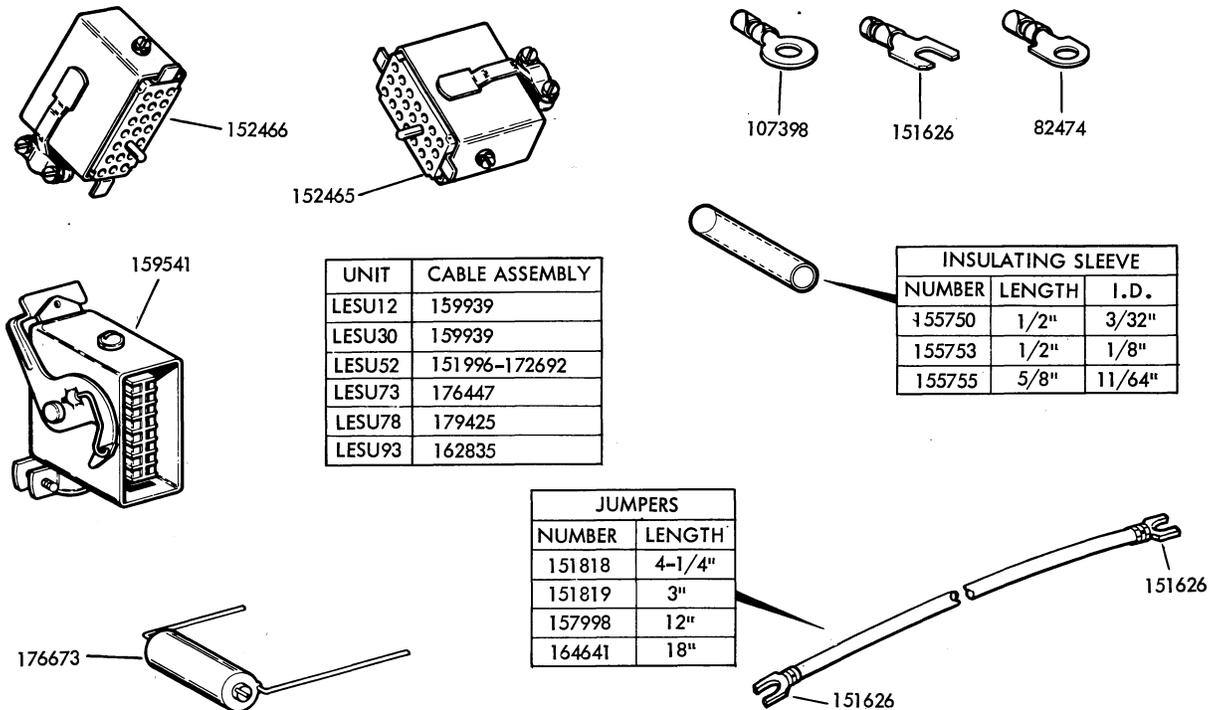


FIGURE 10. CABLES

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
169M	Coil, Magnet 6	125015	Washer, Flat 3, 4, 6	153482	Plate, Relay 3
247M	Coil, Magnet 5	125112	Screw, 2-56 x 1/8 Fil 6	153537	Screw, 6-40 x 9/32 Hex 9
252M	Coil, Magnet 5	125170	Screw, 8-32 x 5/16 Fil 9	153841	Screw, 6-40 x 9/16 Hex 7
1028	Screw, 4-40 x 1/4 Fil 3, 6	125306	Stop, Magnet Plunger 6	154335	Screw, 6-40 x 9/32 Fil 3
1093	Screw, 8-32 x 7/16 Fil 5	125390	Washer, Flat 5	154337	Cover 5
1157	Screw, 8-32 x 1/2 Fil 2	129919	Fuse, 4 Amp 2	154395	Plunger, Solenoid 6
1158	Screw, 6-32 x 5/16 Fil 2	138191	Screw, 3-48 x 1 Rd 3	154632	Block, Terminal 6
1248	Screw, 6-40 x 1/2 Flat 3	138538	Fuse, 2 Amp SL-BL 8	154636	Plate 6
2034	Washer, Flat 5	150040	Screw, 6-40 x 5/8 Fil 2 to 6, 8, 9	155023	Switch, DP-DT Toggle 2
2191	Washer, Lock 2 to 9	151346	Screw, 6-40 x 3/8 Fil 2	155043	Solenoid Assembly 6
2201	Nut, 5/16-32 Hex 5	151401	Base 5	155591	Capacitor, 220 MFD 4
2449	Washer, Lock 6	151402	Core 5	155750	Sleeve, 3/32 ID x 1/2" Lg
2658	Nut, 6-32 Hex 4	151403	Frame 5		Insulating 9
3595	Nut, 1/4-32 Hex 6	151406	Plate, Insulating 5	155753	Sleeve, 1/8 ID x 1/2" Lg
3598	Nut, 6-40 Hex 2, 3, 5, 6	151407	Collar, Spacing 5		Insulating 9
3606	Nut, 6-40 Hex 2, 8	151408	Lever 5	155755	Sleeve, 11/64 ID x 5/8" Lg
3646	Washer, Lock 2, 5	151409	Armature 5		Insulating 6, 9
3870	Spring 5	151410	Clip, Retaining 5	157307	Spacer 6
3899	Spacer, .188" Thk 6	151411	Block, Terminal 2	157308	Bracket 6
5816	Washer, Insulating 5	151412	Insulator 2	157309	Plate, Nut 6
6345	Nut, 6-32 Hex 2, 7	151414	Switch, Sensitive 5	157310	Switch, Sensitive 6
6827	Block 3	151416	Nut, 6-40 Hex 2	157998	Jumper, 12" Lg Black 9
7002	Washer, Flat 2 to 9	151426	Plate, 3-3/4 Blank 2	158272	Plate, Right Mounting 2
7603	Spring 5	151427	Plate, Clamp 2 to 9	158278	Container 2
7959	Bracket, Magnet 6	151432	Armature 5	158279	Plate, 1-5/16 Blank 2
44048	Washer, Flat 2, 5, 9	151437	Stud 2	158291	Cover, Relay 8
49514	Nut, 8-32 Hex 2	151440	Stud 5	159320	Cover, Relay 9
71047	Washer, Flat 6	151441	Plate, 2-3/4 Blank 2	159321	Bracket, Relay 9
71155	Screw, 6-32 x 1-1/4 Flat 4	151618	Screw, 6-40 x 7/16 Fil 2	159322	Plate, Relay 9
71646	Nut, 6-32 Hex 4	151626	Terminal 3 to 7, 9	159323	Resistor, 1500 Ohm 6
74614	Resistor, 2600 Ohm 3	151629	Nut, 6-40 Lug 7	159541	Connector, 16 Pt Plug 9
74821	Resistor, 2810 Ohm 3	151630	Screw, 6-40 x 1/4 Hex 5, 7	159611	Bell 2
74882	Spring 5	151631	Screw, 6-40 x 5/16 Hex 2, 6	159936	Plate, Left Mounting 8
74979	Screw, 6-32 x 3-3/4 Rd 2	151632	Screw, 6-40 x 3/8 Hex 5	159939	Cable Assembly 9
75750	Washer, Insulating 3, 6	151657	Screw, 6-40 x 1/4 Fil 2, 3, 6, 8	160229	Plate, Mounting 4
76983	Screw, 4-40 x 1-1/4 Fil 6	151808	Relay 8	160847	Stud 6
77902	Screw, 6-40 x 2-3/8 Rd 3, 6	151814	Bracket, Relay Mounting 8	162357	Capacitor, 500 MFD 4
79012	Insulator 9	151818	Jumper, 4-1/4" Lg Black 9	162358	Diode 4
79967	Insulator 9	151819	Jumper, 3" Lg Black 3, 5, 6, 9	162359	Transformer, Power 4
80709	Screw, 6-40 x 1/4 Rd 8	151827	Strap, Terminal 2	162360	Fuse, .8 Amp 4
80854	Screw, 6-40 x 1-7/16 Fil 5	151913	Plate, Mounting 4	162361	Rectifier Assembly, 500 MA 1, 4
81836	Washer, Insulating 2	151916	Transformer 4	162835	Cable Assembly 9
82474	Terminal 9	151996	Cable w/Terminals 9	164641	Jumper, 18" Black 9
82516	Spring, Retaining 3	152109	Filter 3	171541	Diode 7
89548	Spring, Contact 3	152110	Bracket, Resistor Mounting 3	172692	Cable Assembly 9
90789	Washer, Flat 2 to 9	152124	Spacer 3	174001	Connector, 3 Pt Receptacle 8
90951	Washer, Lock 5	152426	Nut 7	176447	Cable 9
91683	Nut, 15/32-32 Hex 2	152465	Connector, 20 Pt Receptacle 9	176448	Control Assembly, Relay Motor 1, 6
92260	Washer, Lock 4	152466	Connector, 20 Pt Receptacle 9		Transformer, Power 4
92527	Washer, Lock 2	152623	Mounting Assembly, Line Relay 1, 3	176495	Suppressor, Spark 9
92856	Resistor, 1500 Ohm 2	152760	Stud 2	176673	Relay 9
96262BK	Jumper, 4" Lg Black 4	152761	Stud 2	176692	Cable w/Terminal 9
96262S	Jumper, 4" Lg Slate 4	152950	Rectifier Assembly, 150 MA 1, 4	176693	Control Assembly, Motor 1, 9
107398	Terminal 9	153108	Insulator, .031" Thk 4	177010	Driver Assembly, Selector Magnet 1, 7
110435	Nut, 4-40 Hex 5	153157	Resistor, 400 Ohm 5		Connector 2
110743	Washer, Lock 6	153251	Control Assembly, Motor 1, 5	178831	Plate, Adapter 2
111017	Screw, 6-40 x 5/16 Fil 2	153456	Bracket 2	178832	Capacitor, 400 MFD 7
114478	Nut, 15/32-32 Hex 2	153457	Strap, Terminal 2	178840	Transformer 7
116783	Holder, Fuse 2, 4, 8	153461	Plate, Right Mounting 8	178841	Plate, Mounting 7
118210	Resistor, 22,000 Ohm 4	153462	Plate 2	178843	Cover, Relay 2
120195	Rectifier 4	153464	Block, Terminal 3	178853	Bracket, Relay 2
121125	Washer, Spring 5	153475	Cable w/Terminals 3	178854	Plate, Left 2
121243	Clamp, 3/16 ID Cable 7	153477	Cable w/Terminals 4	178855	Relay 2
121245	Clamp, 5/16 ID Cable 5	153478	Cable w/Terminals 5	178856	Card, Circuit 7
121246	Clamp, 3/8 ID Cable 2	153480	Resistor, 6750 Ohm 3	178859	Resistor, 700 Ohm 7
121249	Clamp, 5/8 ID Cable 2	153481	Resistor, 5800 Ohm 3	178868	
125011	Washer, Flat 6				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
178872	Sleeve, 1/16 ID x 1-1/4" Lg Insulating 4	178888	Clip 7	179427	Plate, Cover 8
178886	Cable w/Terminals 7	179425	Cable Assembly 9	179490	Cable w/Terminals 6
178887	Cable 7	179426	Plate Assembly 1, 8	195177	Washer, Insulating 7