

35 ELECTRICAL SERVICE UNIT (LESU)

WALL MOUNTED KSR/RO

PARTS

FIGURE	CONTENTS	PAGE
1	Container and Components	2
2	178518 Motor Control Assembly	3
3	195784 Constant Current Selector Magnet Driver Assembly	4
4	199982 Line Shunt Relay Assembly with Auxiliary Power Supply and the 321880 Line Shunt Relay Assembly	5
5	182630 Circuit Card	6
6	199878 Circuit Card	6
	Numerical Index	7

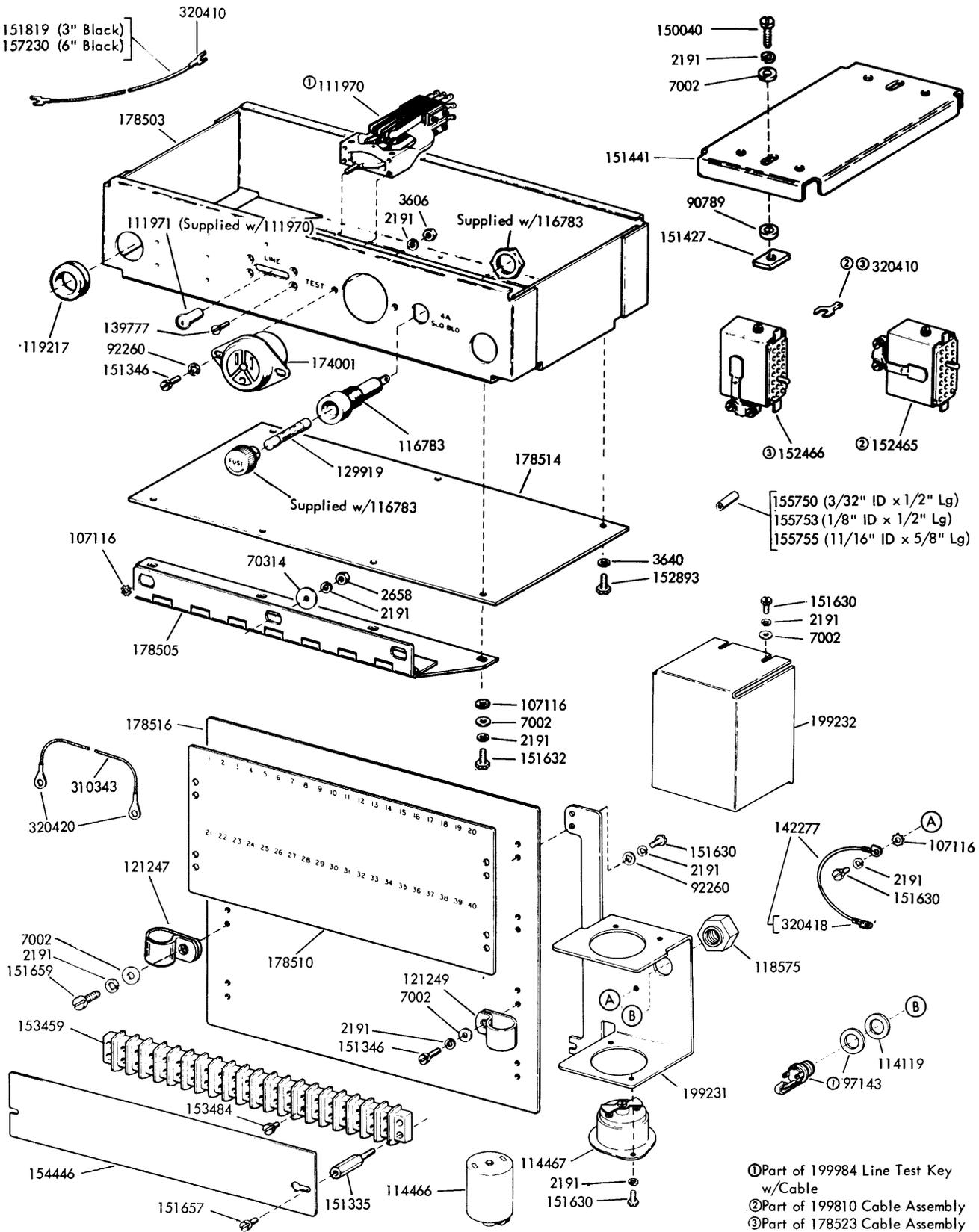
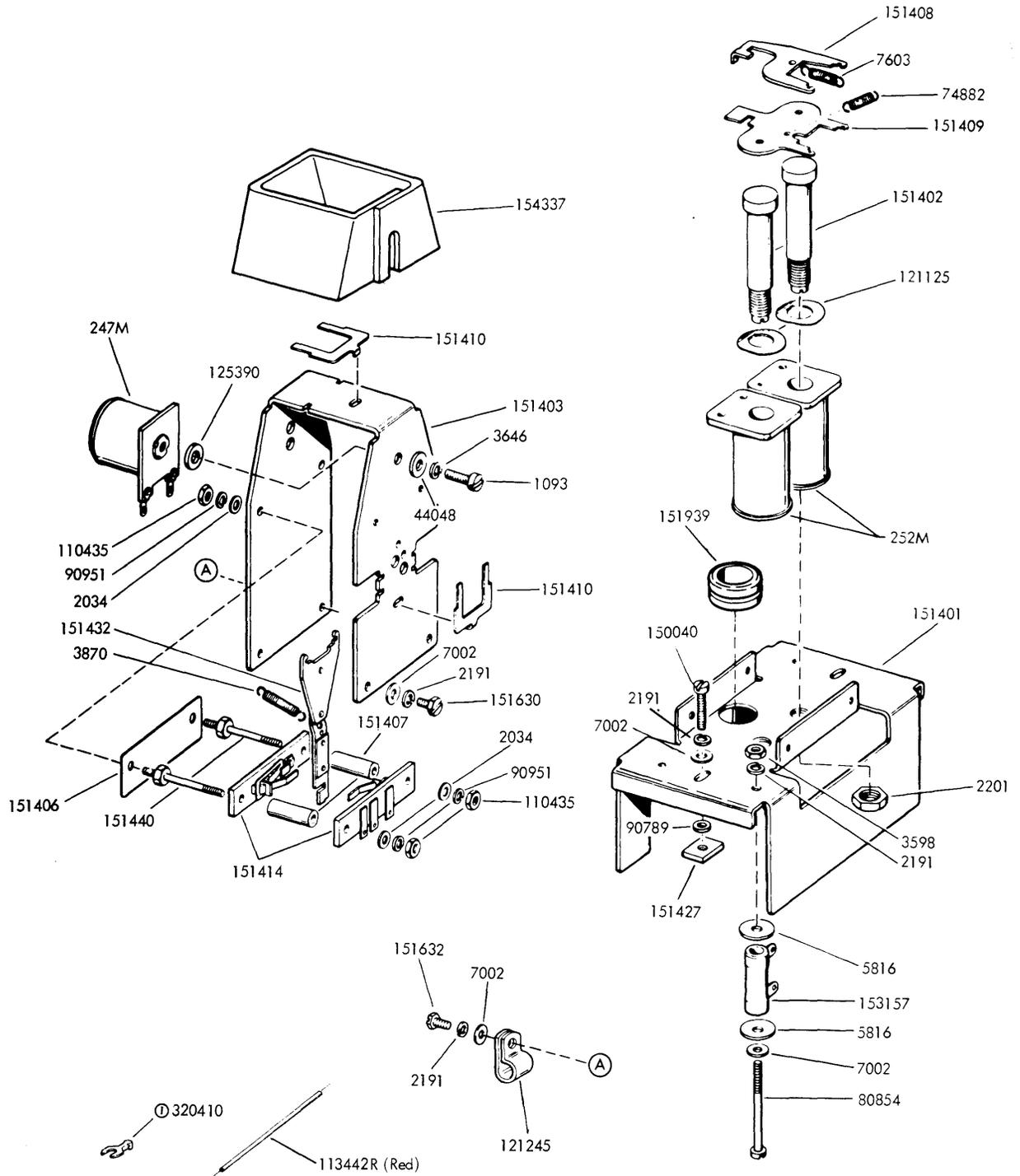


FIGURE 1. CONTAINER AND COMPONENTS



Ⓢ 178519 Cable

FIGURE 2. 178518 MOTOR CONTROL ASSEMBLY

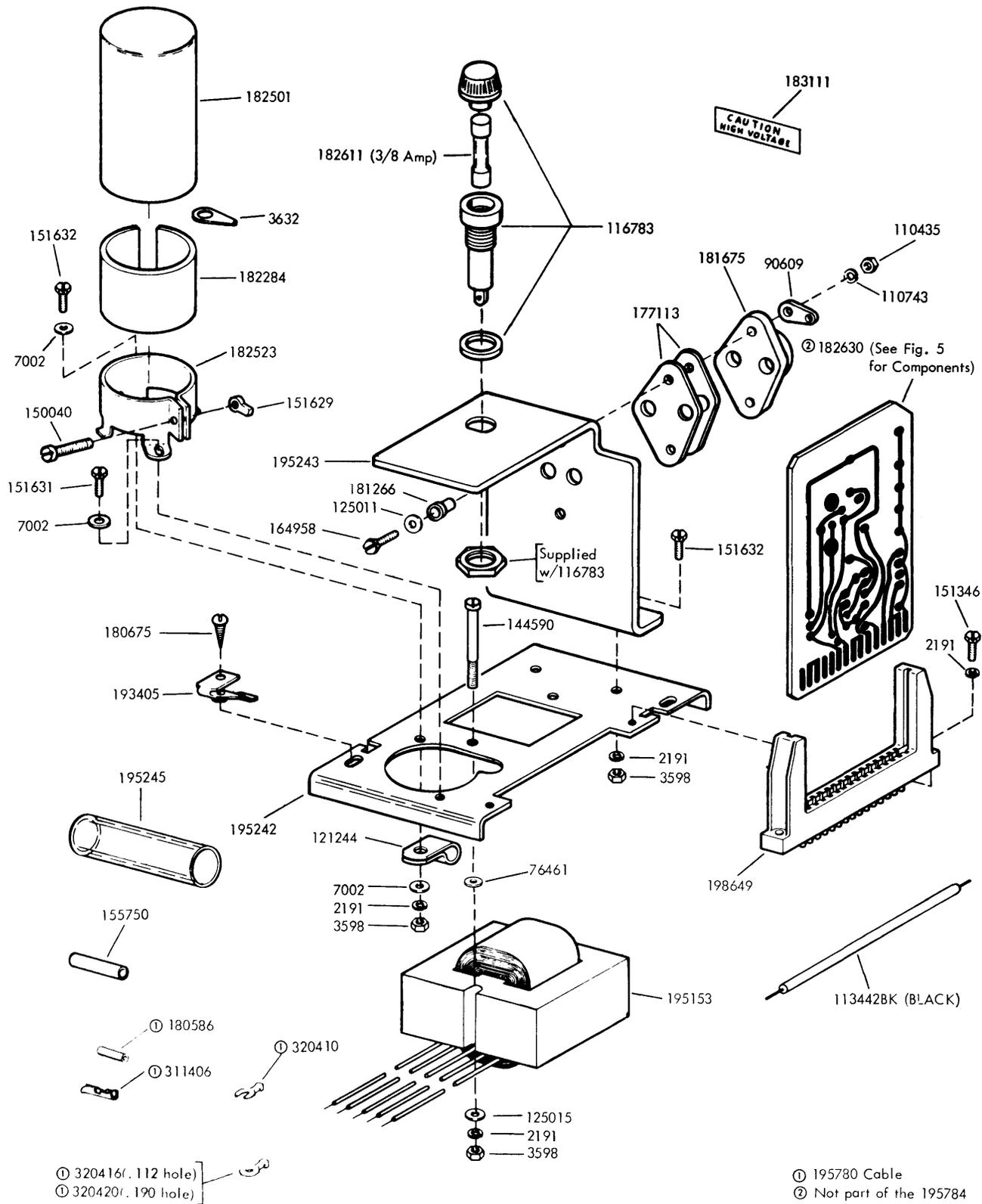


FIGURE 3. 195784 CONSTANT CURRENT SELECTOR MAGNET DRIVER ASSEMBLY

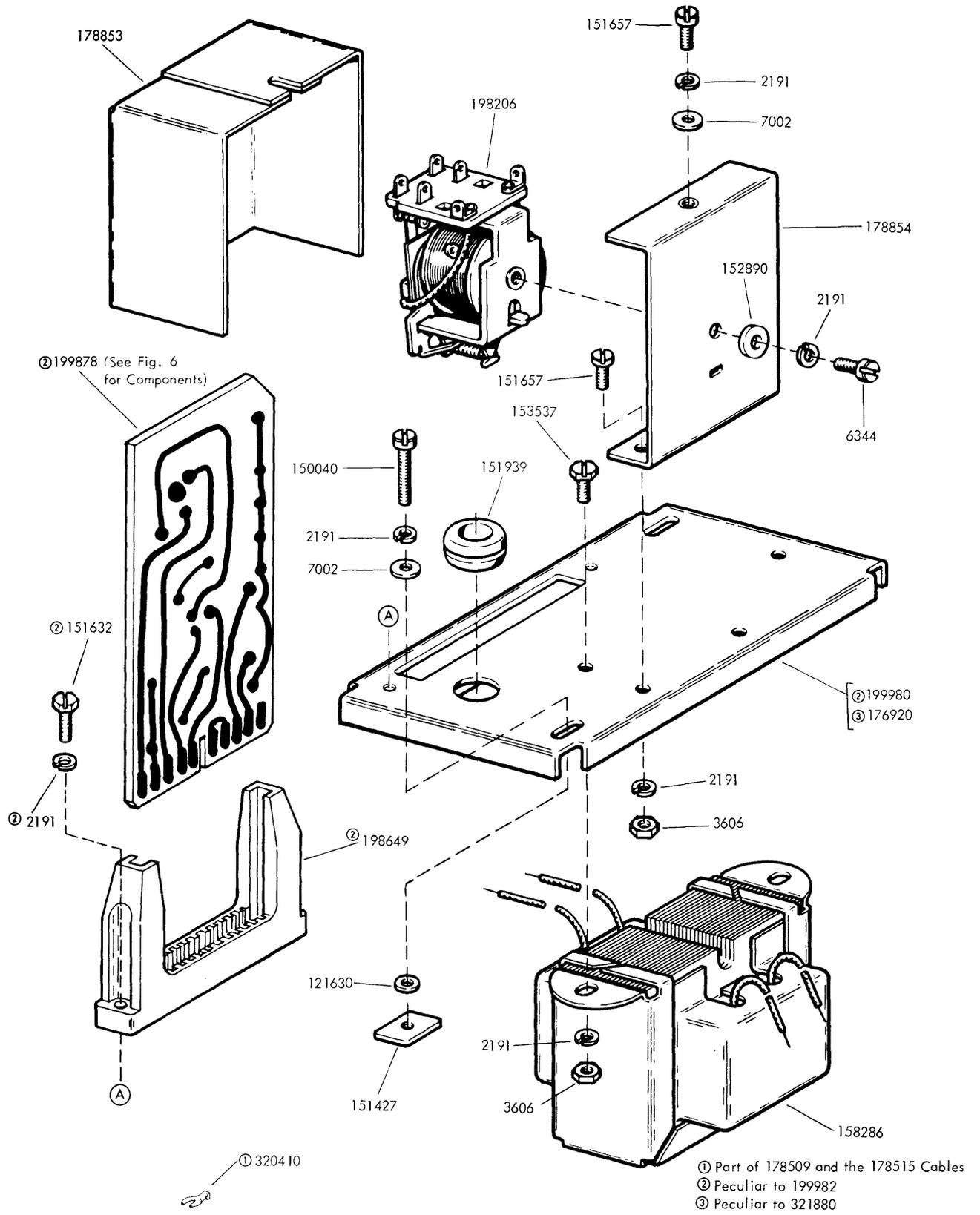
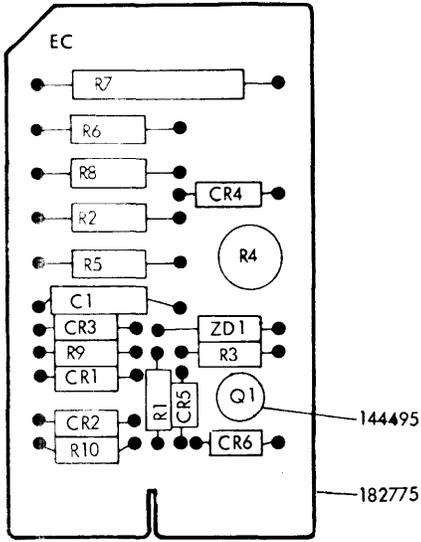
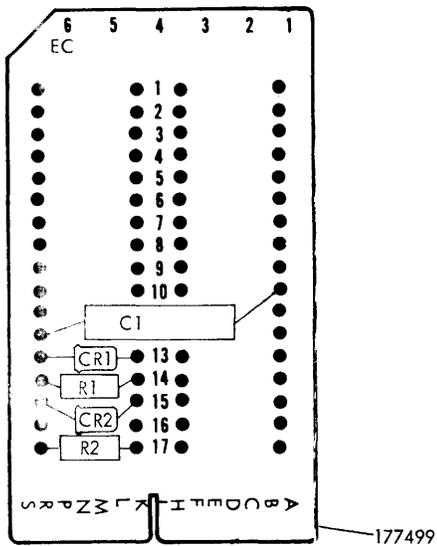


FIGURE 4. 199982 LINE SHUNT RELAY ASSEMBLY WITH AUXILIARY POWER SUPPLY AND THE 321880 LINE SHUNT RELAY ASSEMBLY



Reference Designation	Part Number	Total Qty.	Description
R1	182779	1	Resistor 420 Ohms
R2	181669	1	Resistor 330 Ohms
R3	182778	1	Resistor .82 Ohms
R4	182773	1	Potentiometer
R5	181717	1	Resistor 8 Ohms
R6	182770	1	Resistor 270 Ohms
R7	182772	1	Resistor 14 Ohms
R8	182627	1	Resistor 390 Ohms
R9	182776	1	Resistor 150 Ohms
R10	182777	1	Resistor 680 Ohms
CR1 & 2	182520	2	Rectifier
CR3 & 4	181619	2	Diode 1N482
CR5	178844	1	Varistor 100A
CR6	199442	1	Diode 1N270
ZD1	182774	1	Diode, Zener 4.7V
C1	182628	1	Capacitor 10 MFD
Q1	181671	1	Transistor
TP	144495	1	Pad, Transistor

FIGURE 5. 182630 CIRCUIT CARD



Reference Designation	Part Number	Total Qty.	Description
R1	198264	1	Resistor 910 Ohm
R2	181669	1	Resistor 330 Ohm
C1	198266	1	Capacitor 150 MFD
CR1 & 2	182520	2	Diode 1N2611

FIGURE 6. 199878 CIRCUIT CARD

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
247M	Coil, Magnet 3	151402	Core 3	178854	Bracket, Relay 5
252M	Coil, Magnet 3	151403	Frame 3	180586	Sleeve, 5/32 ID x 21/32" Lg Insulating 4
1093	Screw, 8-32 x 7/16 Fil 3	151406	Plate, Insulating 3	180675	Screw, #6 Self-Tapping 4
2034	Washer, Flat 3	151407	Collar, Spacing 3	181266	Bushing, Insulating 4
2191	Washer, Lock 2,3,4,5	151408	Lever 3	181619	Diode 6
2201	Nut, 5/16-32 Hex 3	151409	Armature 3	181669	Resistor, 330 Ohm 6
2658	Nut, 6-32 Hex 2	151410	Clip, Retaining 3	181671	Transistor 6
3598	Nut, 6-40 Hex 3,4	151414	Switch, Sensitive 3	181675	Transistor, Power 4
3606	Nut, 6-40 Hex 2,5	151427	Plate, Clamp 2,3,5	181717	Resistor, 8 Ohm 6
3632	Terminal 4	151432	Armature 3	182284	Insulator, .015" Thk 4
3640	Washer, Lock 2	151440	Stud 3	182501	Capacitor, 1,500 MFD 4
3646	Washer, Lock 3	151441	Plate, 2-3/4 Blank 2	182520	Rectifier 6
3870	Spring 3	151629	Nut, 6-40 Lug 4	182523	Clamp, 1-3/8" ID Mounting 4
5816	Washer, Insulating 3	151630	Screw, 6-40 x 1/4 Hex 2,3	182611	Fuse 4
6344	Screw, 6-32 x 11/32 Hex 5	151631	Screw, 6-40 x 5/16 Hex 4	182627	Resistor, 390 Ohm 6
7002	Washer, Flat 2,3,4,5	151632	Screw, 6-40 x 3/8 Hex 2,3,4,5	182628	Capacitor, 10 MFD 6
7603	Spring 3	151657	Screw, 6-40 x 1/4 Fil 2,5	182630	Card, Circuit 1,4,6
44048	Washer, Flat 3	151659	Screw, 6-40 x 1/2 Fil 2	182770	Resistor, 270 Ohm 6
70314	Washer, Flat 2	151819	Jumper, 3" Black 2	182772	Resistor, 14 Ohm 6
74882	Spring 3	151939	Grommet, Rubber 3,5	182773	Potentiometer 6
76461	Washer, Flat 4	152465	Connector, 20 Pt Receptacle 2	182774	Diode 6
80854	Screw, 6-40 x 1-7/16 Fil 3	152466	Connector, 21 Pt Receptacle 2	182775	Card, Circuit 6
90609	Terminal 4	152890	Washer, Flat 5	182776	Resistor, 150 Ohm 6
90789	Washer, Flat 2,3	152893	Screw, 4-40 x 1/4 Hex 2	182777	Resistor, 680 Ohm 6
90951	Washer, Lock 3	152899	Resistor, 400 Ohm 3	182778	Resistor, .82 Ohm 6
92260	Washer, Lock 2	153157	Block, Terminal 2	182779	Resistor, 420 Ohm 6
97143	Jack 2	153459	Screw, 6-32 Spl 2	183111	Shim, .004" Thk 4
107116	Washer, Lock 2	153484	Screw, 6-40 x 9/32 Hex 5	193405	Nut, Speed 4
110435	Nut, 4-40 Hex 3,4	153537	Cover 3	195153	Transformer 4
110743	Washer, Lock 4	154337	Cover 2	195242	Plate, Mounting 4
111970	Key, Line Test 2	154446	Cover 2	195243	Plate, Heat Sink 4
111971	Knob 2	155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 2,4	195245	Sleeve, 1/2 ID x 1-1/2" Lg Insulating 4
113442BK	Jumper, 2-1/2" Black 4	155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 2	195780	Cable w/Terminals 4
113442R	Jumper, 2-1/2" Red 3	155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 2	195784	Driver Assembly 1,4
114119	Washer, Insulating 2	157230	Jumper, 6" Black 2	198206	Relay 5
114466	Connector, 3 Pt Receptacle 2	158286	Transformer 5	198264	Resistor, 910 Ohm 6
114467	Connector, 3 Pt Plug 2	164958	Screw, 4-40 x 1/2 Hex 4	198266	Capacitor, 150 MFD 6
116783	Holder, Fuse 2,4	174001	Connector, 3 Pt Receptacle 2	198649	Connector, 15 Pt Circuit Card 4,5
118575	Nut, 3/8-32 Insulating 2	176920	Plate, Mounting 5	199231	Bracket, Connector Mounting 2
119217	Grommet, Rubber 2	177113	Insulator 4	199232	Cover 2
121125	Washer, Spring 3	177499	Card, Circuit 6	199442	Diode 6
121244	Clamp, 1/4 ID Cable 4	178503	Base 2	199810	Cable Assembly 2
121245	Clamp, 5/16 ID Cable 3	178505	Hinge 2	199878	Card, Circuit 1,5,6
121247	Clamp, 7/16 ID Cable 2	178509	Cable w/Terminals 5	199980	Plate, Mounting 5
121249	Clamp, 5/8 ID Cable 2	178510	Insulator, Terminal 2	199982	Relay Assembly, Line Shunt 1,5
121630	Washer, Flat 5	178514	Plate, Bottom 2	199984	Key, Line Test 2
125011	Washer, Flat 4	178515	Cable w/Terminals 5	310343	Jumper, 8-1/2" Green 2
125015	Washer, Flat 4	178516	Plate w/Studs 2	311406	Terminal, Receptacle Type 4
125390	Washer, Flat 3	178518	Control Assembly, Motor 1,3	320410	Terminal, Space Type 2,3,4,5
129919	Fuse, SL-BL 4 Amp 2	178519	Cable w/Terminals 3	320416	Terminal, Ring Type 4
139777	Screw, 3-56 x 1/4 Flat 2	178523	Cable Assembly 2	320418	Terminal, Ring Type 2
142277	Cable w/Terminals 2	178844	Varistor 6	320420	Terminal, Ring Type 2,4
144495	Pad, Transistor Mounting 6	178853	Cover, Relay 5	321880	Relay Assembly 1,5
144590	Screw, 6-40 x 1-3/8 Fil 4				
150040	Screw, 6-40 x 5/8 Fil 2,3,4,5				
151335	Stud 2				
151346	Screw, 6-40 x 3/8 Fil 2,4				
151401	Base 3				