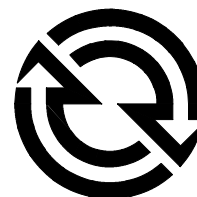


Service Parts

SPECTRUM®

DETROIT DIESEL



Automatic Transfer Switches

Models:

MATS

See MP-5645 for Contactor Service Parts



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Introduction

Use this catalog to locate service parts for Spectrum™ microprocessor controlled Transfer Switches 30 to 4000 Amperes. If service parts are needed for Spectrum Bypass-Isolation Switches, use the appropriate groups

of this catalog to locate service parts for the transfer switch and “Consult Factory” for all other bypass-isolation switch related components.

Contactor Service Parts

This catalog does not contain service parts for Group 405 - Contactors and the contactor assemblies. Contactor service parts are listed in a separate catalog, MP-5645.

Standard Hardware and Leads

Procure standard hardware (identified as #) locally using description provided. Individual leads do not appear in this catalog. Most leads are available by ordering the appropriate wiring harness. Otherwise

replacement will require fabrication using same type of stranded copper wire (gauge, color length,) identical terminals, and proper lead designation at each end).

How To Find Part Numbers

Follow the step-by-step instructions to determine the correct parts. An example is given with each step. For a complete description of the transfer switch part number, see “Explanation of Spectrum™ Part Number.”

9. Record transfer switch part number on the following page.
Example: S-166341-0150
10. Determine group in which service part is needed using figure 1, page 3.
Example: Need enclosure door.

11. Locate the NEMA Type 1 section in Enclosures.
12. Locate 150 amperage column.
13. Locate part number in 150 amperage column
Example: Door, enclosure 294790

When a quantity of more than one is used, a number in parentheses will follow the part description or part number.

Accessory Part Numbers

1. Record transfer switch part number and include accessory requiring service. Factory-installed accessories are shown on transfer switch nameplate.
Example: S-166341-0070, 31BA
2. Determine accessory number and component needed.

Example: 31-BA (Audible Alarm); Need 2 Amp. fuse

3. Turn to Accessories and locate accessory number.
Look at parts listing for components.
Example: Fuse, 2 Amp 239049

When a quantity of more than one is used, a number in parentheses will follow the part description.

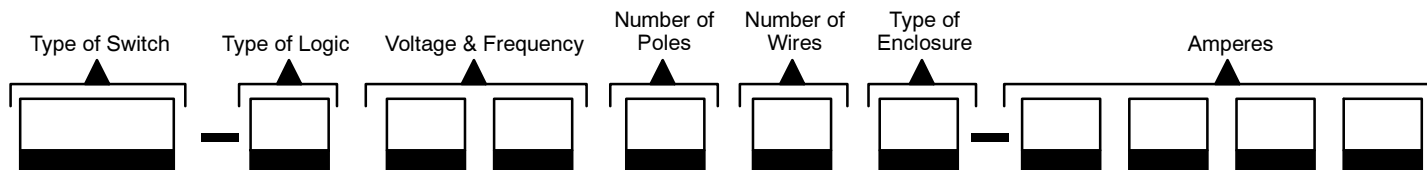
Consult Factory

If part numbers or accessories indicate “Consult Factory,” contact Spectrum™, Service Parts Dept.,

N7650 County Trunk LS, Sheboygan, WI 53081 U.S.A.
Telephone (920) 459-1877.

Explanation of Spectrum™ Part Number

Use the Spectrum™ Model Number Key below to construct a model number specifying the type of transfer switch desired. Fill in the following boxes as a guide to constructing the model number:



Spectrum™ Model Number Key

This diagram explains the Spectrum™ Transfer Switch model numbering system. The sample number shown is for a solid-state logic automatic transfer switch, 480-Volt, 60-Hertz, 3-phase, 3-pole, 4-wire, 150-ampere model in a NEMA Type 1 enclosure.

SAMPLE MODEL NUMBER

S-166341-0150

Type Of Transfer Switch

S: Automatic Transfer Switch
SB: Automatic Transfer and Bypass Isolation Switch
SN: Nonautomatic Transfer Switch

Includes domestic packing. Add prefix PE for above- or below-deck export packing.

Type Of Logic

1: Solid State
4: Elevator Control Switch
5: Microprocessor

Voltage & Frequency Phase-to-Phase

240V AC Max.*	600V AC Max.	600V AC Max.
21: 110 Volt, 50 Hz	60: 600 Volt, 60 Hz	67: 190 Volt, 50 Hz
22: 120 Volt, 60 Hz	61: 110 Volt, 50 Hz	68: 208 Volt, 60 Hz
23: 220 Volt, 50 Hz	62: 120 Volt, 60 Hz	69: 440 Volt, 60 Hz
24: 240 Volt, 60 Hz	63: 220 Volt, 50 Hz	70: 400 Volt, 50 Hz
27: 190 Volt, 50 Hz	64: 240 Volt, 60 Hz	71: 380 Volt, 50 Hz
28: 208 Volt, 60 Hz	65: 550 Volt, 60 Hz	72: 380 Volt, 60 Hz
	66: 480 Volt, 60 Hz	73: 416 Volt, 50 Hz

Number of Poles

2: 2-pole, 1-phase
3: 3-pole, 3-phase
4: 3-pole, 1-phase
5: 3-pole, 3-phase with overlapping neutral contacts

Number of Wires

2: 2 wire
3: 3 wire
4: 4 wire

Type of Enclosure

0: Open
1: NEMA Type 1
2: NEMA Type 12
3: NEMA Type 3R
4: NEMA Type 1 CSA**
7: Open CSA**

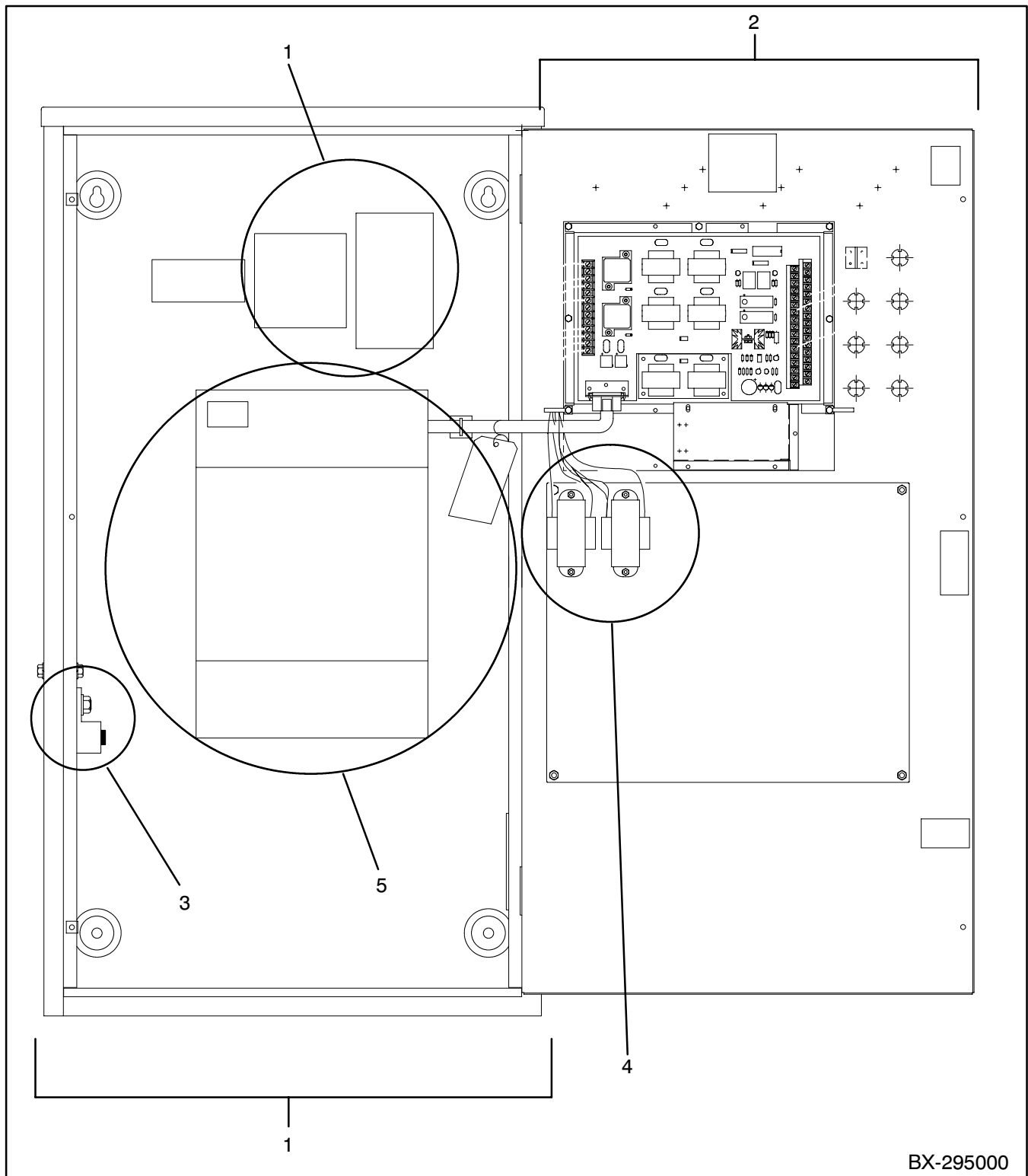
Amperes

0030: 30 amperes	0800: 800 amperes
0070: 70 amperes	1000: 1000 amperes
0100: 100 amperes	1200: 1200 amperes
0104: 104 amperes	1600: 1600 amperes
0150: 150 amperes	2000: 2000 amperes
0225: 225 amperes	2500: 2500 amperes
0260: 260 amperes	3000: 3000 amperes
0400: 400 amperes	4000: 4000 amperes
0600: 600 amperes	

* Available in 30-100 ampere sizes only.

** CSA versions available up to 2000 amperes.

Transfer Switch Breakdown

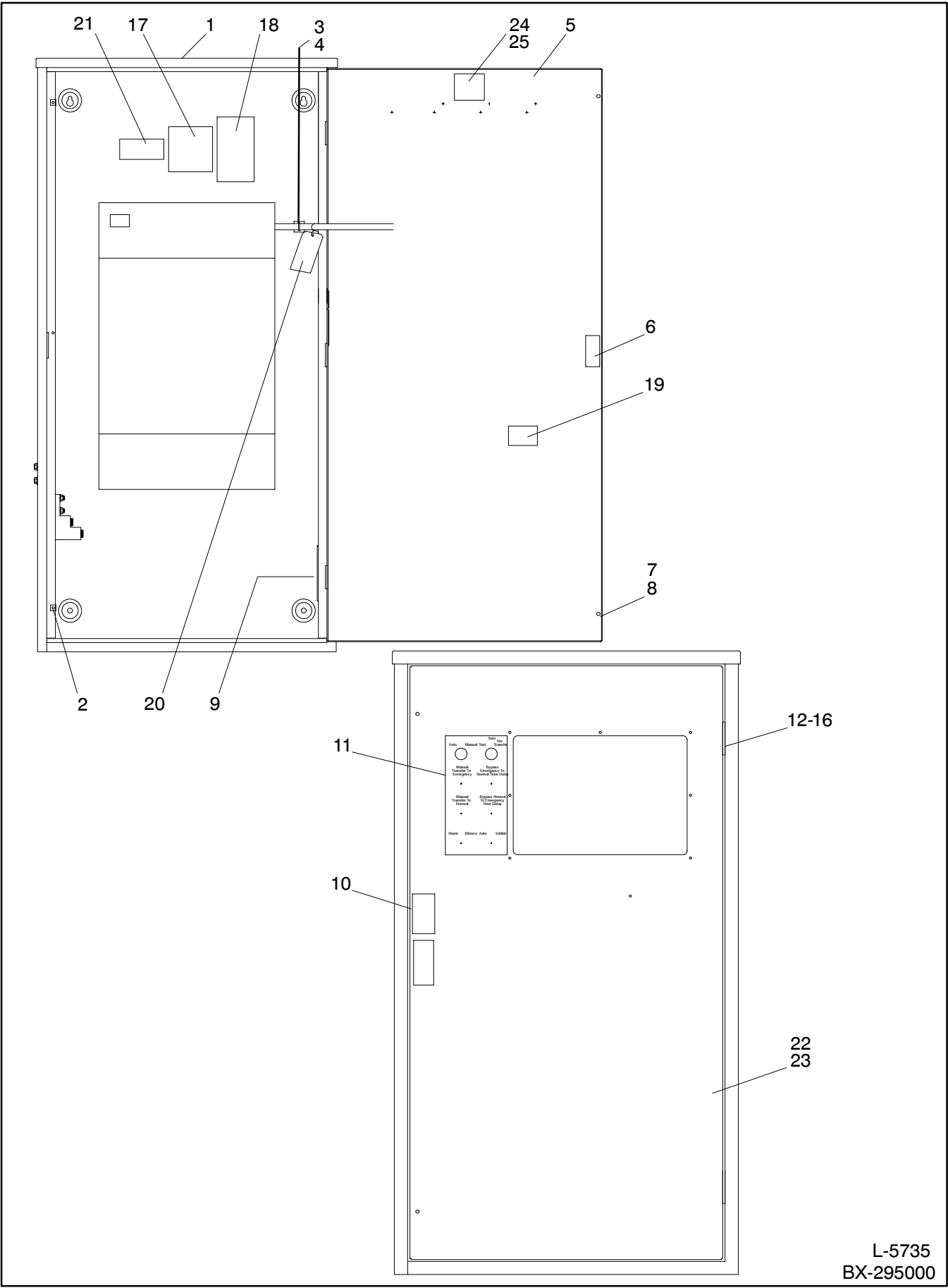


- 1 Enclosure (includes Decals)
- 2 Inner Panel
- 3 Neutral Lug
- 4 Transformer
- 5 Contactor Use MP-5645

Figure 1. Transfer Switch Breakdown

Enclosures

Automatic NEMA Type 1 30-800 Amp.

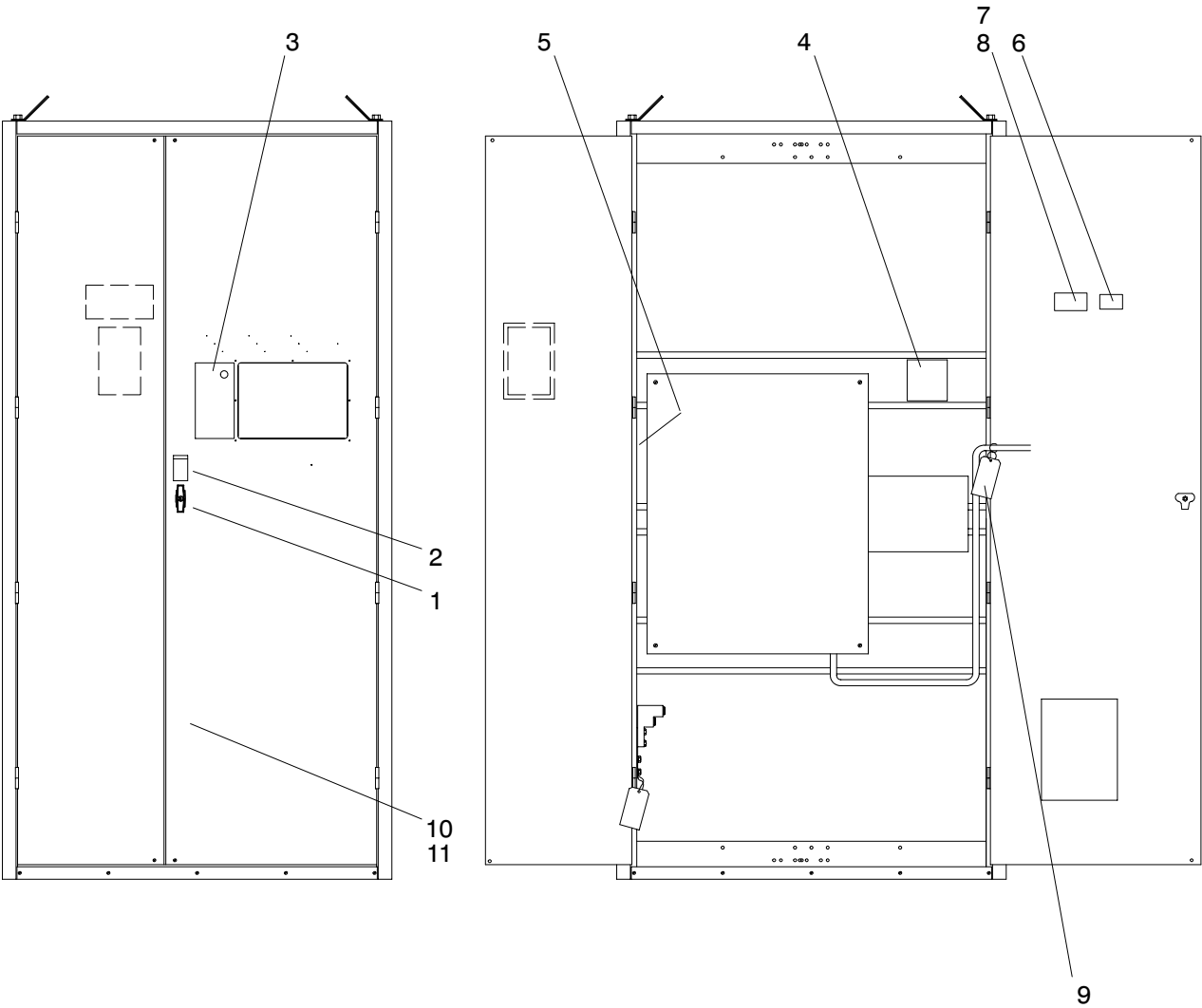


L-5735
BX-295000

Automatic NEMA Type 1 30-800 Amp.

Enclosures

Item	Description	Part Number		
		30-150 Amp.	225-400 Amp.	600-800 Amp.
1	Enclosure, transfer panel	294318	294306	295015
2	Clip, speed (2)	257442	257442	X-6220-1
3	Base, tie wrap (2)	298776	298776	298776
4	Tie, cable (2)	X-468-1	X-468-1	X-468-1
5	Door, enclosure	294790	294791	294792
6	Latch, locking	295004	295004	295004
7	Screw (2)	X-117-4	X-117-4	X-465-10
8	Retainer (2)	295010	295010	295009
9	Envelope, instruction	298777	298777	298777
10	Decal	294520	294520	294520
11	Decal	294853	294853	294853
12	Washer, plain	X-25-7 (4)	X-25-7 (4)	X-25-7 (6)
13	Nut, hex, 10-24	X-70-2 (4)	X-70-2 (4)	X-70-2 (6)
14	Nut (Encl. side), 10-24	#	#	#
15	Screw, flat head	295098 (8)	295098 (8)	295098(12)
16	Hinge, split	297600 (2)	297600 (2)	297600 (3)
17	Decal, notice	294414	294414	294414
18	Decal, contactor	294602	294602	294602
19	Decal, UL	320660	320660	320660
20	Instruction tag	297949	297949	297949
21	Decal, "Protect equipment"	297610	297610	297610
22	Decal, Spectrum Power System	X-6301-1	X-6301-1	X-6301-1
23	Decal, transfer switch	X-6303-1	X-6303-1	X-6303-1
24	Decal	320657	320657	320657
25	Nameplate (4)	295392	295392	295392



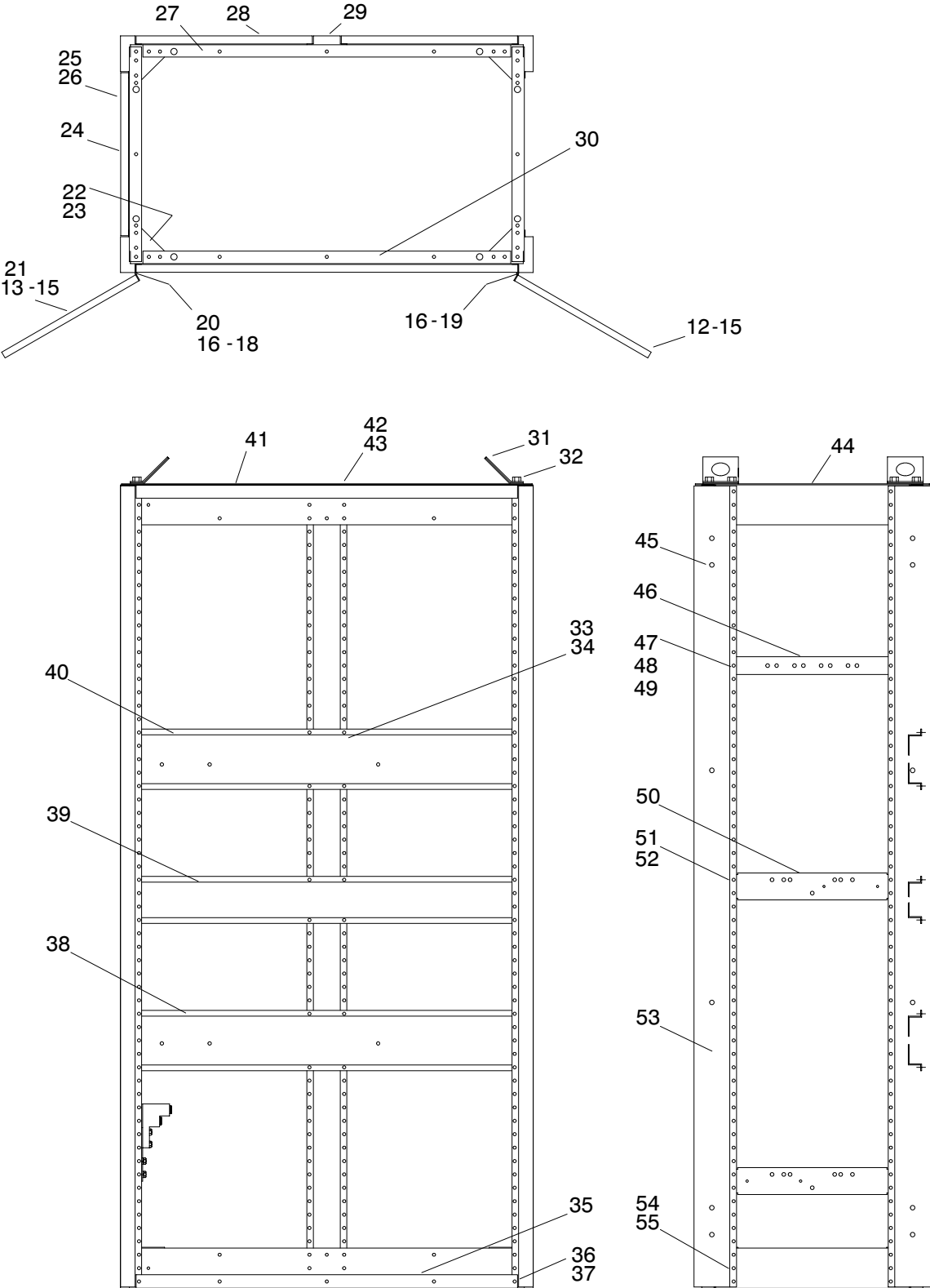
L-5735
AW-295000

Automatic NEMA Type 1 1000-1200 Amp.

Enclosures

Item	Description	Part Number
1	Latch, T-handle	X-6132-4
2	Decal	294520
3	Decal	294853
4	Decal, notice	294414
5	Decal, contactor	294602
6	Decal, UL	320660
7	Decal, auto	320657
8	Nameplate (4)	295392
9	Instruction tag	297949
10	Decal, Spectrum	X-6301-1
11	Decal, transfer switch	X-6303-1
12	Door, enclosure	294793
13	Retainer, nut (2)	X-6204-1
14	Washer, 1/4 (2)	#
15	Screw, hex washer (2)	X-791-3
16	Nut, hex, 10-24 (8)	X-70-2
17	Washer, plain (8)	X-25-7
18	Screw, flat head (8)	295098
19	Hinge, split (4)	297600
20	Hinge, split (4)	297601
21	Door, left	294334
22	Nut, 1/4-20 (16)	#
23	Brace, corner (4)	298722
24	Panel, side (4)	298349
25	Clip, speed (48)	297596
26	Screw, hex washer (48)	X-791-3
27	Channel, top & bottom (2)	298430
28	Panel, back (4)	298350
29	Channel, center vertical	298427
30	Channel (2)	294335

Item	Description	Part Number
31	Bracket, lifting (8)	298433
32	Hardware, 3/8-16 (8)	#
33	Screw, hex washer (24)	X-791-2
34	Nut, 1/4-20	#
35	Panel, spacer	298434
36	Screw, hex washer (5)	X-791-3
37	Nut, 1/4-20 (5)	#
38	Bracket, bottom	298440
39	Bracket, support	298443
40	Bracket, top mounting	298441
41	Plate, top	298352
42	Screw, hex washer (12)	X-791-2
43	Clip, speed (12)	297952
44	Channel, top & bottom (4)	298429
45	Button, plug (24)	X-301-23
46	Bus, ground	298424
47	Screw, hex washer (2)	X-791-3
48	Nut, 1/4-20 (2)	#
49	Washer, lock 1/4 (2)	X-22-11
50	Channel, side 3" (3)	298437
51	Screw, hex washer (12)	X-791-2
52	Nut, 1/4-20 (12)	#
53	Channel, corner (4)	298425
54	Nut, 1/4-20 (82)	#
55	Screw, hex washer (82)	X-791-2

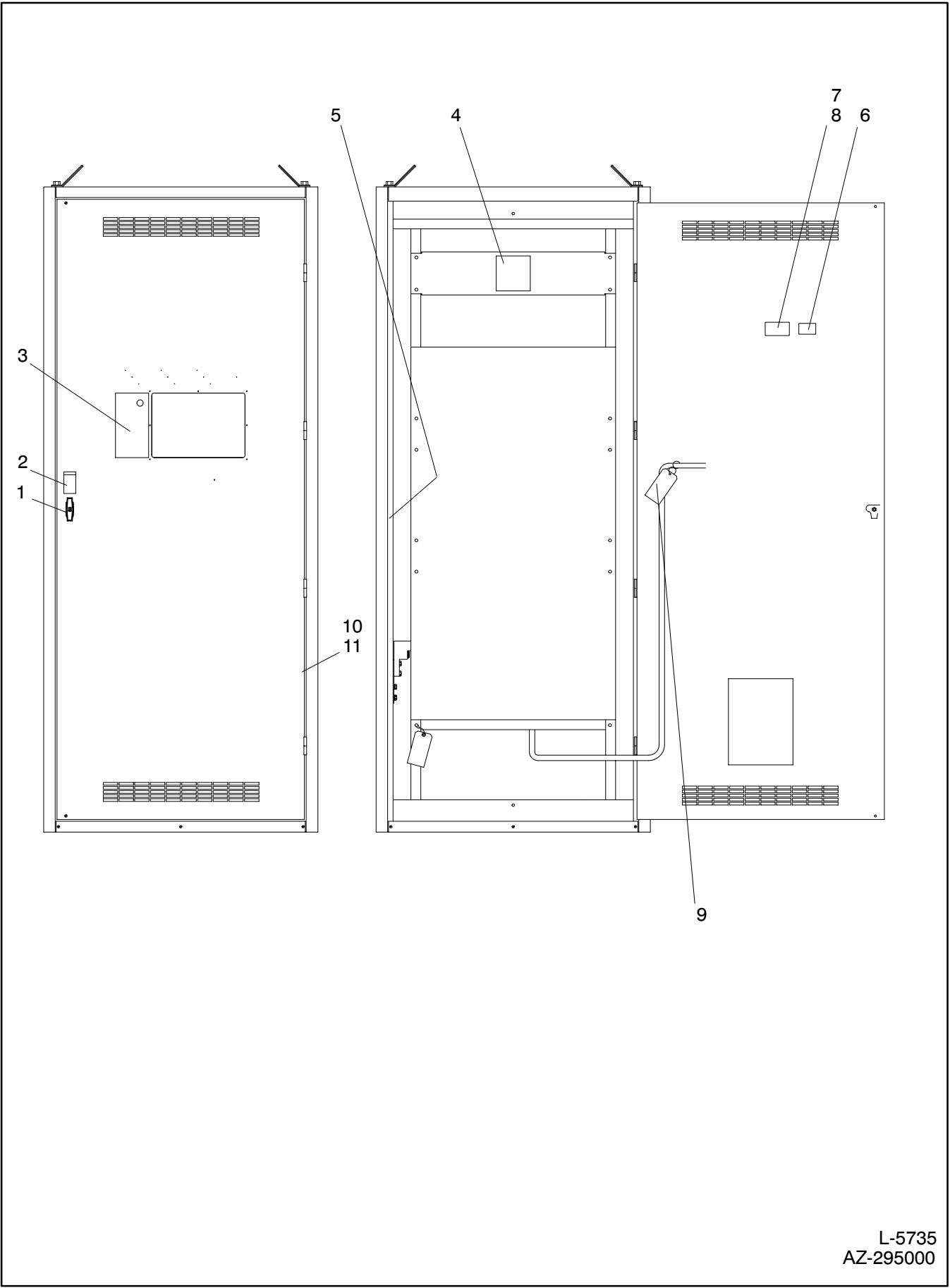


Automatic NEMA Type 1 1000-1200 Amp.

Enclosures

Item	Description	Part Number
1	Latch, T-handle	X-6132-4
2	Decal	294520
3	Decal	294853
4	Decal, notice	294414
5	Decal, contactor	294602
6	Decal, UL	320660
7	Decal, auto	320657
8	Nameplate (4)	295392
9	Instruction tag	297949
10	Decal, Spectrum	X-6301-1
11	Decal, transfer switch	X-6303-1
12	Door, enclosure	294793
13	Retainer, nut (2)	X-6204-1
14	Washer, 1/4 (2)	#
15	Screw, hex washer (2)	X-791-3
16	Nut, hex, 10-24 (8)	X-70-2
17	Washer, plain (8)	X-25-7
18	Screw, flat head (8)	295098
19	Hinge, split (4)	297600
20	Hinge, split (4)	297601
21	Door, left	294334
22	Nut, 1/4-20 (16)	#
23	Brace, corner (4)	298722
24	Panel, side (4)	298349
25	Clip, speed (48)	297596
26	Screw, hex washer (48)	X-791-3
27	Channel, top & bottom (2)	298430
28	Panel, back (4)	298350
29	Channel, center vertical	298427
30	Channel (2)	294335

Item	Description	Part Number
31	Bracket, lifting (8)	298433
32	Hardware, 3/8-16 (8)	#
33	Screw, hex washer (24)	X-791-2
34	Nut, 1/4-20	#
35	Panel, spacer	298434
36	Screw, hex washer (5)	X-791-3
37	Nut, 1/4-20 (5)	#
38	Bracket, bottom	298440
39	Bracket, support	298443
40	Bracket, top mounting	298441
41	Plate, top	298352
42	Screw, hex washer (12)	X-791-2
43	Clip, speed (12)	297952
44	Channel, top & bottom (4)	298429
45	Button, plug (24)	X-301-23
46	Bus, ground	298424
47	Screw, hex washer (2)	X-791-3
48	Nut, 1/4-20 (2)	#
49	Washer, lock 1/4 (2)	X-22-11
50	Channel, side 3" (3)	298437
51	Screw, hex washer (12)	X-791-2
52	Nut, 1/4-20 (12)	#
53	Channel, corner (4)	298425
54	Nut, 1/4-20 (82)	#
55	Screw, hex washer (82)	X-791-2

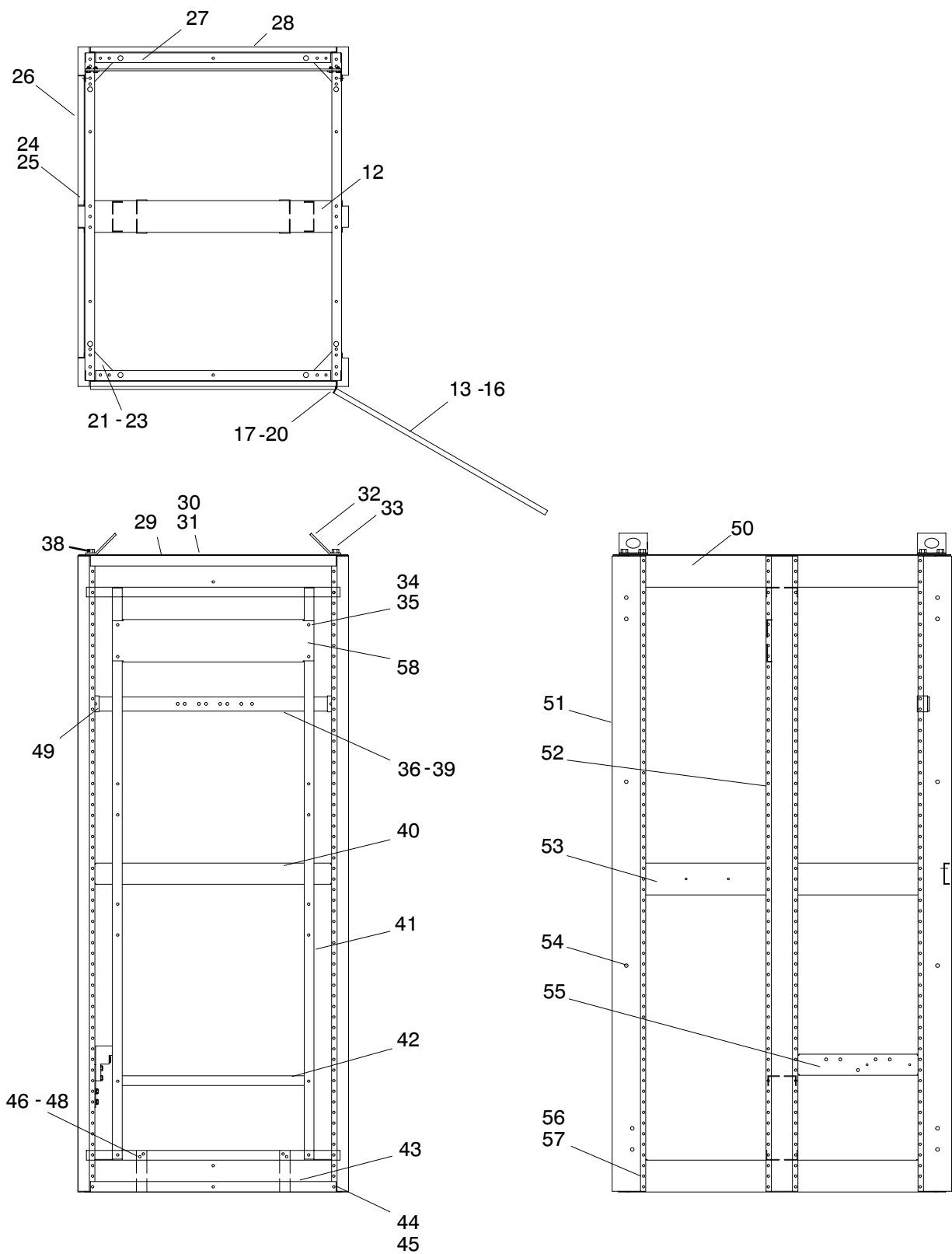


Automatic NEMA Type 1 1600-2000 Amp.

Enclosures

Item	Description	Part Number
1	Latch, T-handle	X-6132-4
2	Decal	294520
3	Decal	294853
4	Decal, notice	294414
5	Decal, contactor	294602
6	Decal, UL	320660
7	Decal, auto	320657
8	Nameplate (4)	295392
9	Instruction tag	297949
10	Decal, Spectrum	X-6301-1
11	Decal, transfer switch	X-6303-1
12	Channel, crossmember(2)	298445
13	Door, enclosure	294794
14	Screw, hex washer (2)	X-791-3
15	Washer, 1/4 (2)	#
16	Retainer, nut (2)	X-6204-1
17	Hinge, split (4)	297600
18	Screw, flat head (8)	295098
19	Nut, hex, 10-24 (8)	X-70-2
20	Washer, plain (8)	X-25-7
21	Brace, corner (4)	298722
22	Screw, hex washer (16)	X-791-2
23	Nut, 1/4-20 (16)	#
24	Clip, speed (60)	297596
25	Screw, hex washer (60)	X-791-3
26	Panel, side (8)	298349
27	Channel, top and bottom	298432
28	Panel, back (3)	298351
29	Plate, top	298448
30	Clip, speed (12)	297952
31	Screw, hex washer (12)	X-791-2

Item	Description	Part Number
32	Bracket, lifting (8)	298433
33	Hardware, 3/8-16 (8)	#
34	Screw, hex washer (12)	X-791-2
35	Nut, 1/4-20	#
36	Bus, ground	298446
37	Screw, hex washer (8)	X-791-3
38	Washer, lock, 1/4 (8)	X-22-11
39	Nut, 1/4-20	#
40	Channel, front and back	261836
41	Channel, vertical (2)	298444
42	Support	298442
43	Panel, spacer	298438
44	Screw, hex washer (3)	X-791-3
45	Nut, 1/4-20 (2)	#
46	Support, channel (2)	298784
47	Screw, hex washer (12)	X-791-2
48	Nut, 1/4-20 (8)	#
49	Bracket, mounting	298447
50	Channel, top & bottom (4)	298431
51	Channel, corner (4)	298425
52	Channel, center vertical	298427
53	Channel, side (2)	298426
54	Button, plug (24)	X-301-23
55	Channel, side 3" (3)	298437
56	Screw, hex washer (126)	X-791-2
57	Nut, 1/4-20 (126)	#
58	Channel	298428



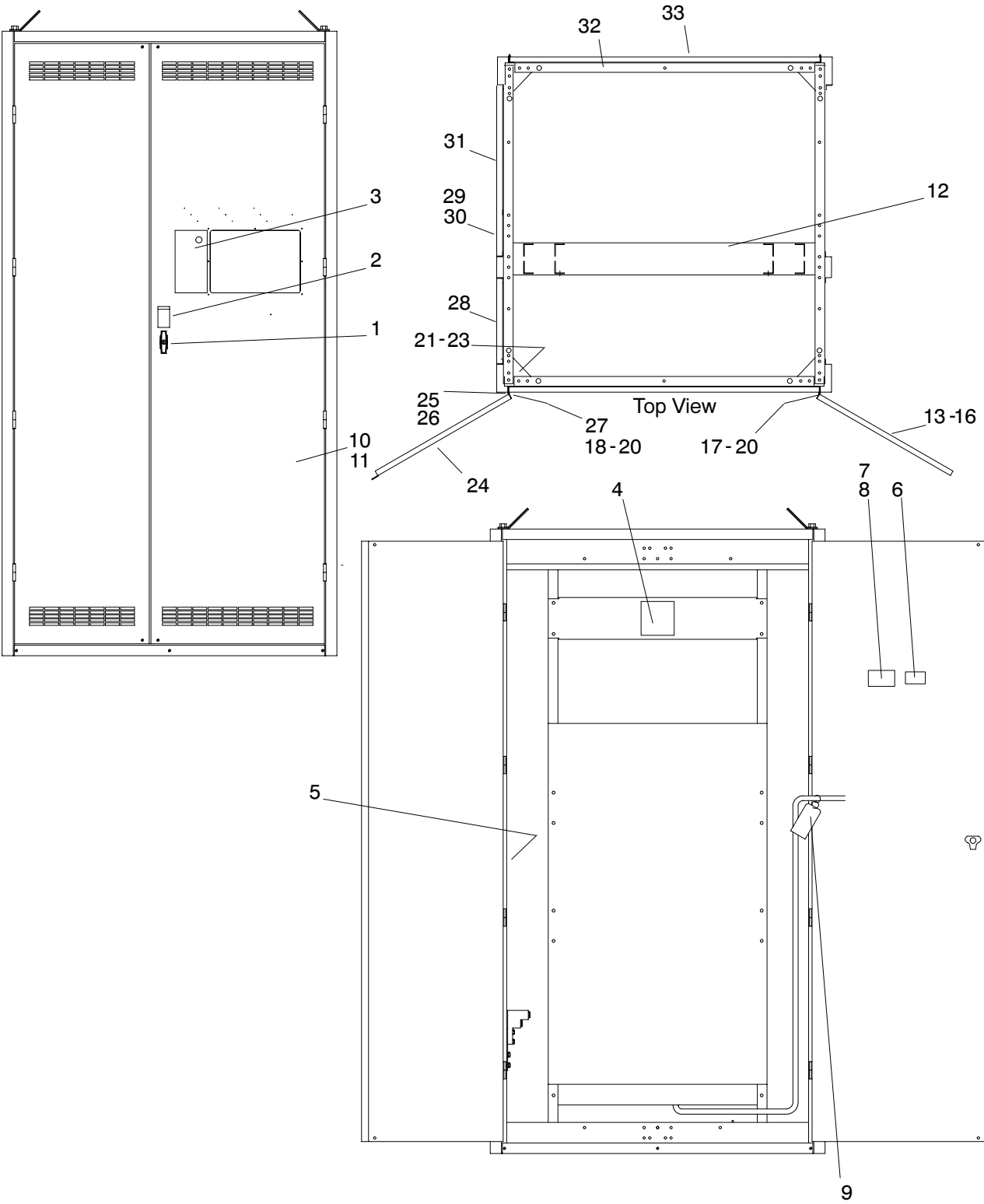
AZ-295000

Automatic NEMA Type 1 1600-2000 Amp.

Enclosures

Item	Description	Part Number
1	Latch, T-handle	X-6132-4
2	Decal	294520
3	Decal	294853
4	Decal, notice	294414
5	Decal, contactor	294602
6	Decal, UL	320660
7	Decal, auto	320657
8	Nameplate (4)	295392
9	Instruction tag	297949
10	Decal, Spectrum	X-6301-1
11	Decal, transfer switch	X-6303-1
12	Channel, crossmember(2)	298445
13	Door, enclosure	294794
14	Screw, hex washer (2)	X-791-3
15	Washer, 1/4 (2)	#
16	Retainer, nut (2)	X-6204-1
17	Hinge, split (4)	297600
18	Screw, flat head (8)	295098
19	Nut, hex, 10-24 (8)	X-70-2
20	Washer, plain (8)	X-25-7
21	Brace, corner (4)	298722
22	Screw, hex washer (16)	X-791-2
23	Nut, 1/4-20 (16)	#
24	Clip, speed (60)	297596
25	Screw, hex washer (60)	X-791-3
26	Panel, side (8)	298349
27	Channel, top and bottom	298432
28	Panel, back (3)	298351
29	Plate, top	298448
30	Clip, speed (12)	297952
31	Screw, hex washer (12)	X-791-2

Item	Description	Part Number
32	Bracket, lifting (8)	298433
33	Hardware, 3/8-16 (8)	#
34	Screw, hex washer (12)	X-791-2
35	Nut, 1/4-20	#
36	Bus, ground	298446
37	Screw, hex washer (8)	X-791-3
38	Washer, lock, 1/4 (8)	X-22-11
39	Nut, 1/4-20	#
40	Channel, front and back	261836
41	Channel, vertical (2)	298444
42	Support	298442
43	Panel, spacer	298438
44	Screw, hex washer (3)	X-791-3
45	Nut, 1/4-20 (2)	#
46	Support, channel (2)	298784
47	Screw, hex washer (12)	X-791-2
48	Nut, 1/4-20 (8)	#
49	Bracket, mounting	298447
50	Channel, top & bottom (4)	298431
51	Channel, corner (4)	298425
52	Channel, center vertical	298427
53	Channel, side (2)	298426
54	Button, plug (24)	X-301-23
55	Channel, side 3" (3)	298437
56	Screw, hex washer (126)	X-791-2
57	Nut, 1/4-20 (126)	#
58	Channel	298428

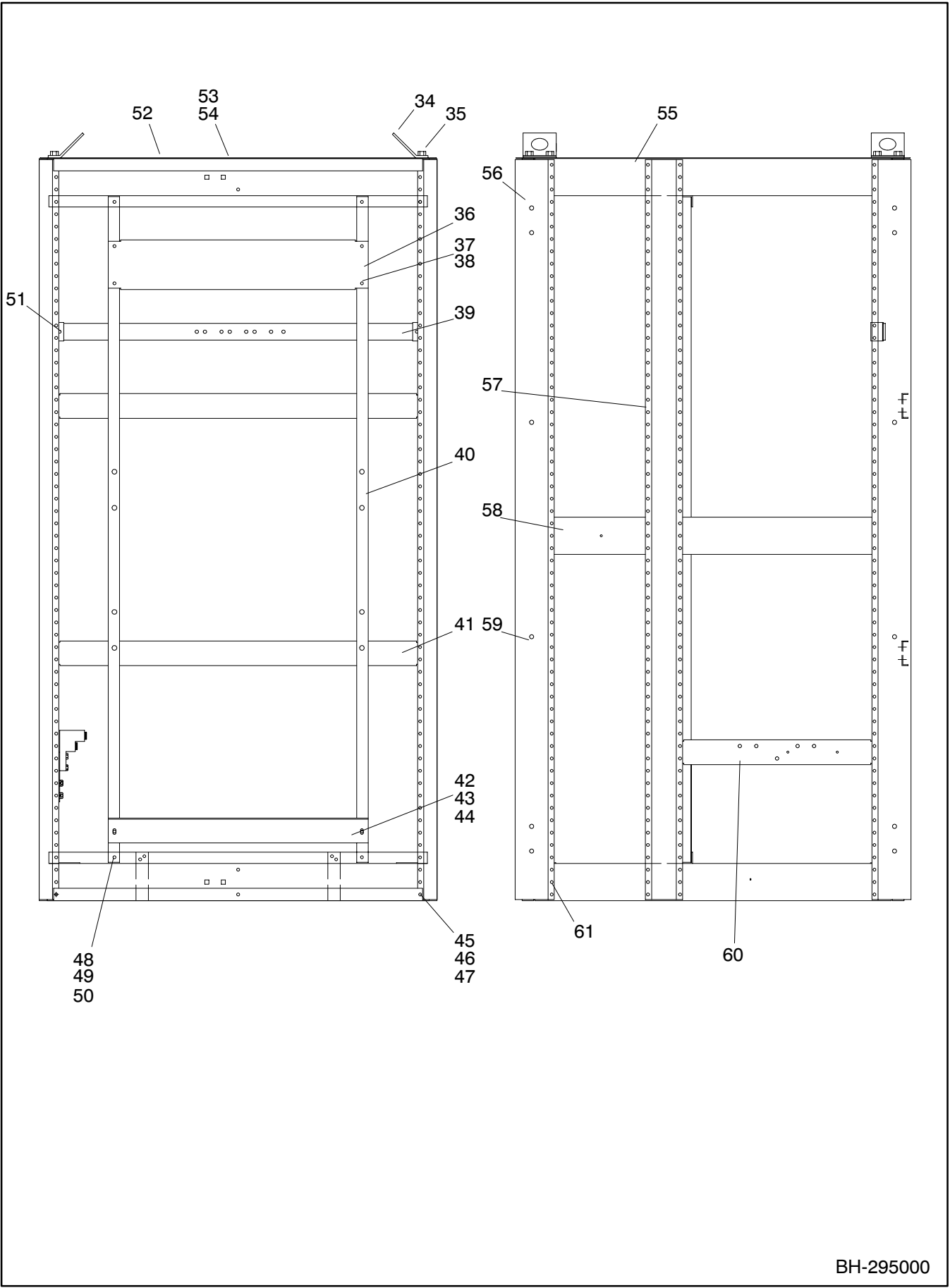


L-5735
BH-295000

Automatic NEMA Type 1 3000-4000 Amp.

Enclosures

Item	Description	Part Number	
		3000 Amp.	4000 Amp.
1	Latch, T-handle	X-6132-4	X-6132-4
2	Decal	294520	294520
3	Decal	294853	294853
4	Decal, notice	294414	294414
5	Decal, contactor	294602	294602
6	Decal, UL	320660	320660
7	Decal, auto	320657	320657
8	Nameplate (4)	295392	295392
9	Instruction tag	297949	297949
10	Decal, Spectrum	X-6301-1	X-6301-1
11	Decal, transfer switch	X-6303-1	X-6303-1
12	Channel, crossmember (2)	297752	297746
13	Door, enclosure	294795	294795
14	Screw, hex washer (4)	X-791-3	X-791-3
15	Retainer (4)	295009	295009
16	Retainer, nut (4)	X-6204-1	X-6204-1
17	Hinge, split (4)	297600	297600
18	Screw, flat head (8)	295098	295098
19	Nut, hex, 10-24 (8)	X-70-2	X-70-2
20	Washer, plain (8)	X-25-7	X-25-7
21	Brace, corner (4)	298722	298722
22	Screw, hex washer (16)	X-791-3	X-791-3
23	Nut, 1/4-20 (16)	#	#
24	Door, left	294345	294345
25	Screw, flat head (16)	295098	295098
26	Nut, 1/4-20 (16)	#	#
27	Hinge, split (4)	297601	297601
28	Panel, side (4)	261793	261793
29	Clip, speed (60)	297596	297596
30	Screw, hex washer (60)	X-791-3	X-791-3
31	Panel, side (4)	262593	262593
32	Channel, top & bottom (4)	297743	297743
33	Panel, back (3)	297737	297737



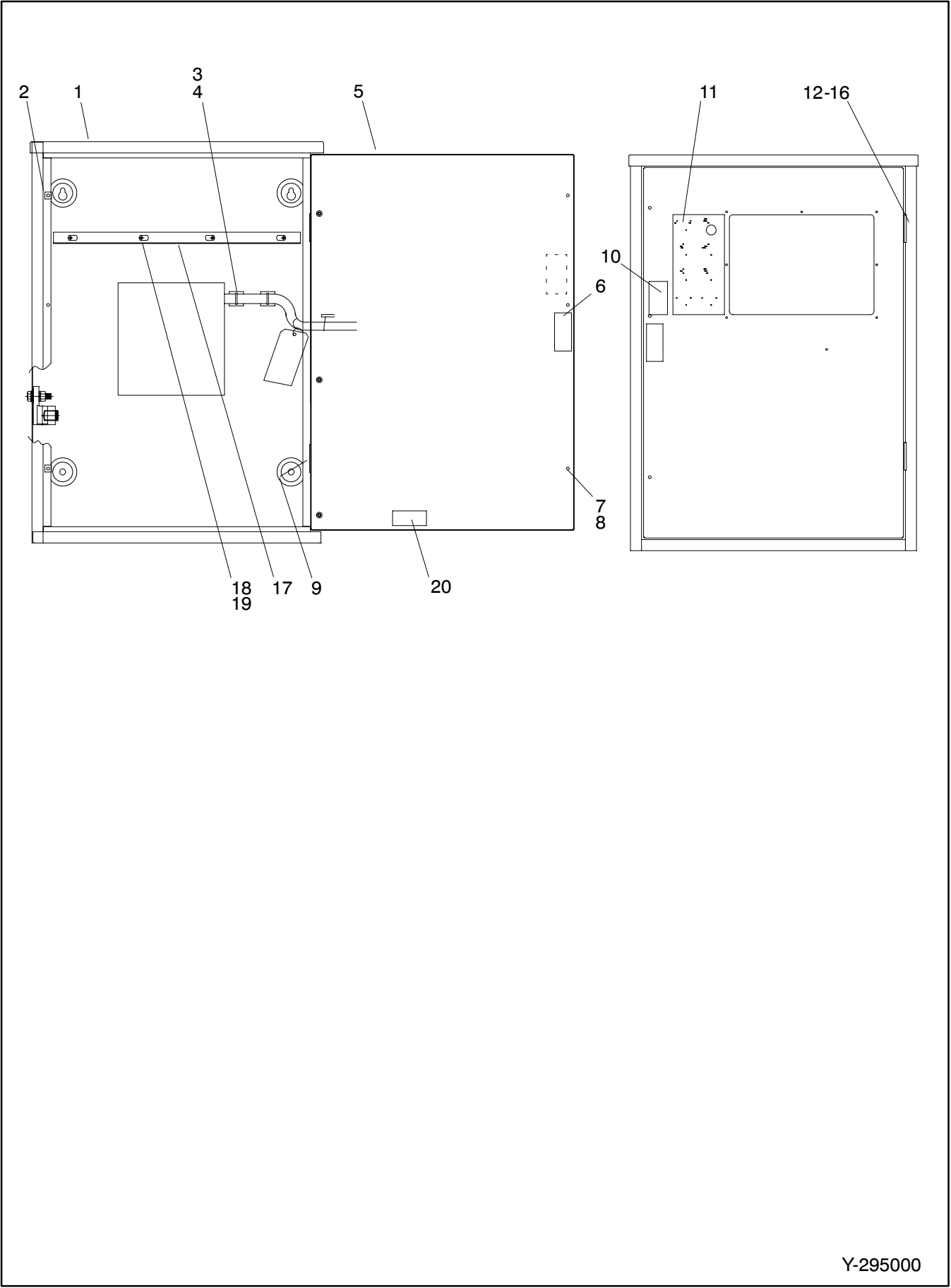
BH-295000

Automatic NEMA Type 1 3000-4000 Amp.

Enclosures

Item	Description	Part Number	
		3000 Amp.	4000 Amp.
34	Bracket, lifting (8)	298433	298433
35	Hardware, 3/8-16 (8)	#	#
36	Channel	297739	297740
37	Screw, hex washer (24)	X-791-2	X-791-2
38	Nut, 1/4-30 (24)	#	#
39	Bus, ground	297747	297747
40	Channel, vertical (2)	294413	294413
41	Channel, front & back (2)	297744	297744
42	Support, angle	297750	297751
43	Screw, hex washer (3)	X-791-3	X-791-3
44	Nut, 1/4-20 (3)	#	#
45	Panel, spacer	297745	297745
46	Screw, hex washer (3)	X-791-3	X-791-3
47	Nut, 1/4-20 (3)	#	#
48	Support, channel (2)	298784	298784
49	Screw, hex washer (8)	X-791-2	X-791-2
50	Nut, 1/4-20 (8)	#	#
51	Bracket, mounting (2)	298447	298447
52	Plate, top	297738	297738
53	Clip, speed (12)	297952	297952
54	Screw, hex washer (12)	X-791-2	X-791-2
55	Channel, top & bottom (4)	298431	298431
56	Channel, corner (4)	298425	298425
57	Channel, center vert. (2)	298427	298427
58	Channel, side (2)	297753	297753
59	Button, plug (24)	X-301-23	X-301-23
60	Channel, side	297749	297749
61	Screw, hex washer (126)	X-791-2	X-791-2

Enclosures Automatic NEMA Type 1, CSA 30-800 Amp.

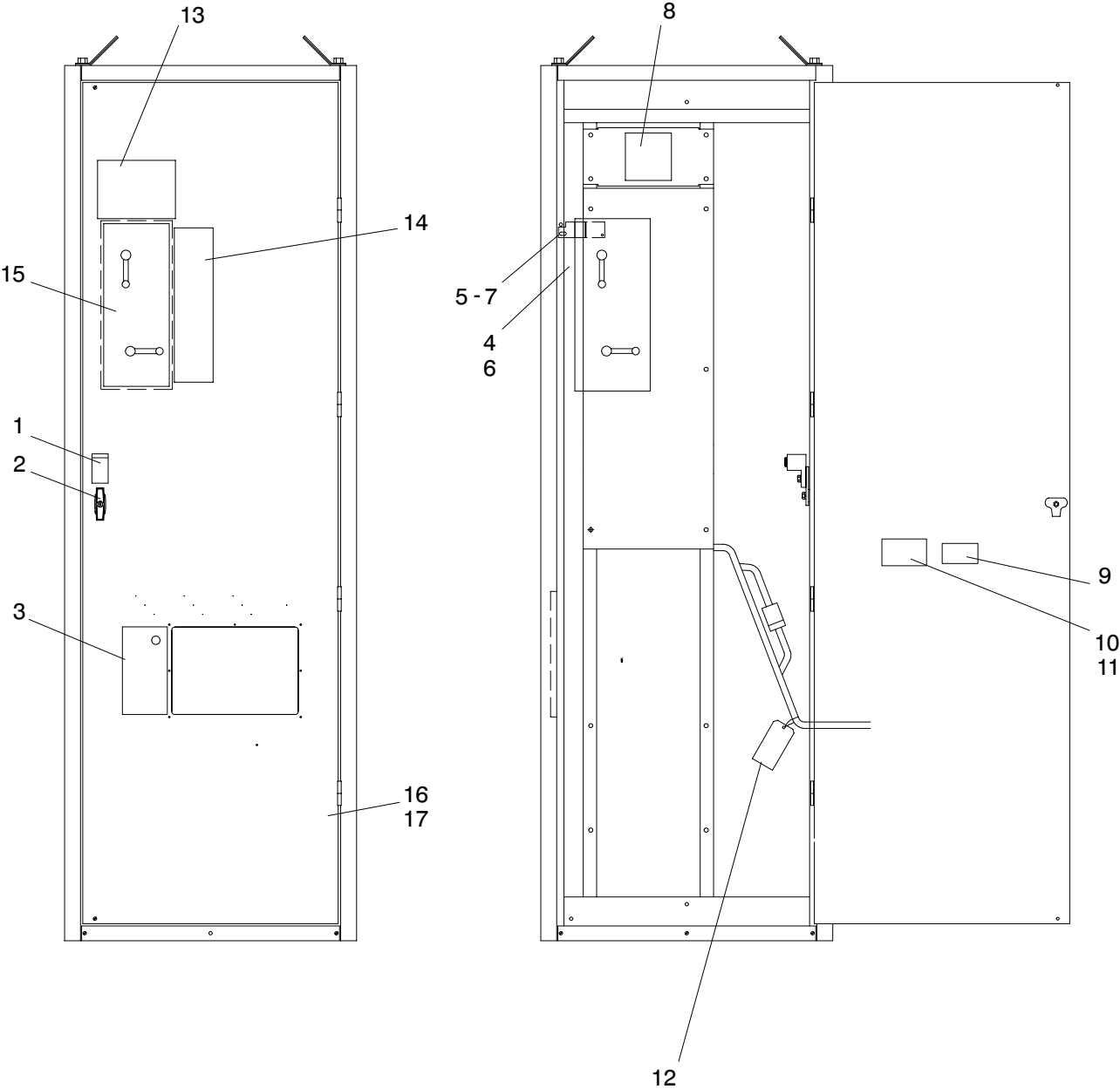


Y-295000

Automatic NEMA Type 1, CSA 30-800 Amp.

Enclosures

Item	Description	Part Number	
		225 Amp.	400 Amp.
1	Enclosure, transfer panel	294306	294306
2	Clip, speed (2)	257442	257442
3	Base, tie wrap (2)	298776	298776
4	Tie, cable	X-468-3	X-468-3
5	Door, enclosure	294791	294791
6	Latch, locking	295004	295004
7	Screw (2)	X-117-4	X-465-10
8	Retainer (2)	295010	295010
9	Envelope, instruction	298777	298777
10	Decal	294520	294520
11	Decal	294853	294853
12	Washer, plain (4)	X-25-7	X-25-7
13	Nut, hex, 10-24 (4)	X-70-2	X-70-2
14	Nut, 10-24 (Encl. side)	#	#
15	Screw, flat head (8)	295098	295098
16	Hinge, split (2)	297600	297600
17	Stiffener	297870	297870
18	Washer, lock (4)	X-22-9	X-22-9
19	Screw, 10-24 x 3/8 (4)	X-50-13	X-50-13
20	Decal, C.S.A.	320659	320659



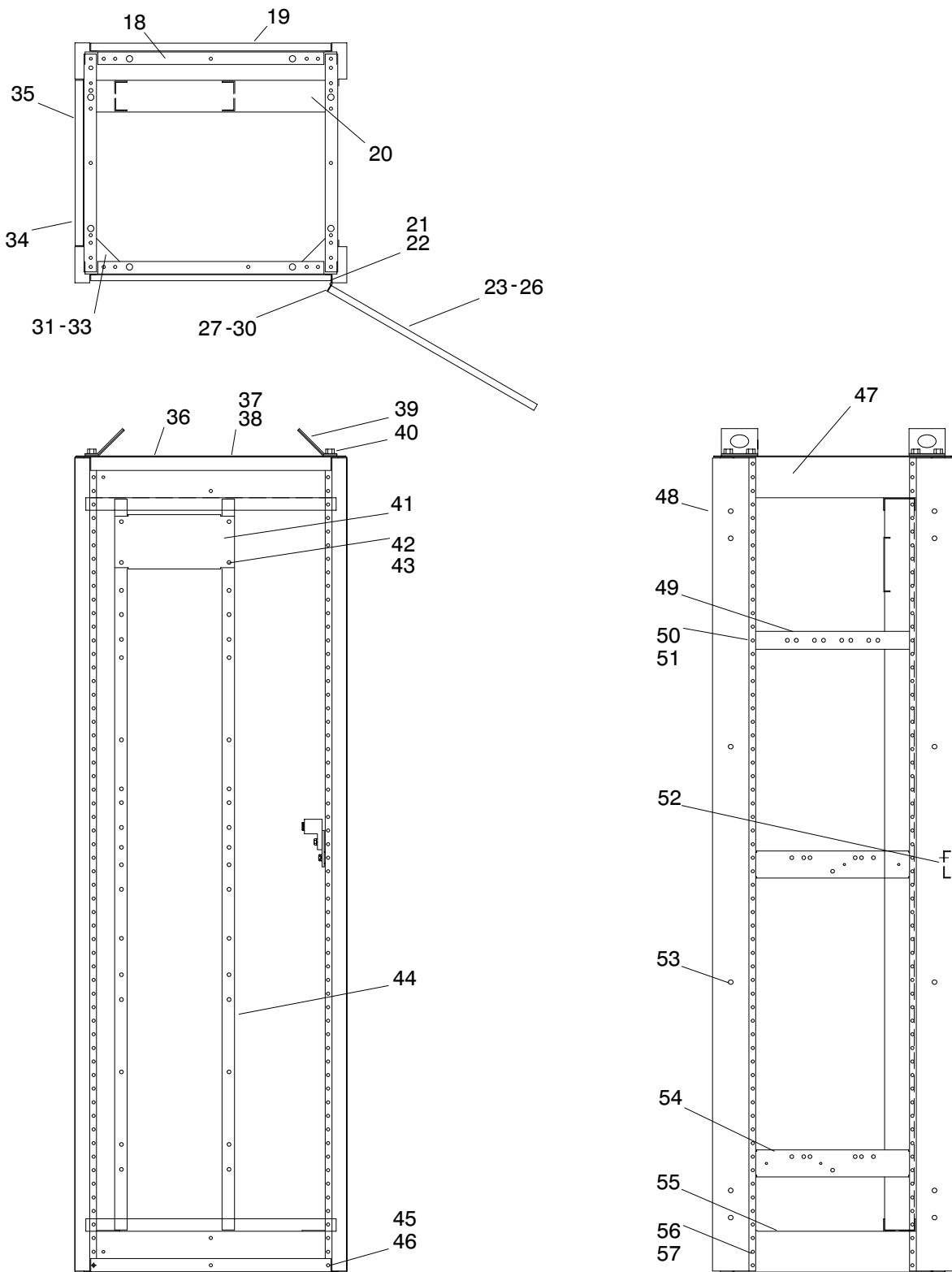
L-5735
BE-295000

Bypass-Isolation NEMA Type 1 150-400 Amp.

Enclosures

Item	Description	Part Number
1	Decal	294520
2	Latch, T-handle	X-6132-4
3	Decal	294853
4	Bracket	294348
5	Screw, hex washer	X-791-2
6	Washer	X-20-1
7	Nut	X-81-1
8	Decal, notice	294414
9	Decal, BIS	320662
10	Decal, auto	320657
11	Nameplate (4)	295392
12	Tag, instruction	297949
13	Decal, instructions	294166
14	Decal, sequence	294167
15	Decal, bypass/isolation	294165
16	Decal, Spectrum	X-6301-1
17	Decal, transfer switch	X-6303-1
18	Channel (4)	298942
19	Panel, back (2)	262719
20	Channel (2)	298948
21	Screw, flat head (8)	295098
22	Nut, 10-24 (8)	#
23	Door, enclosure	294796
24	Screw, hex washer (2)	X-791-3
25	Washer, 1/4 (2)	#
26	Retainer, nut (2)	X-6204-1
27	Hinge, split	297600
28	Screw, flat head (8)	295098
29	Nut, hex, 10-24 (8)	X-70-2
30	Washer, plain (8)	X-25-7
31	Brace, corner (2)	298722
32	Screw, hex washer (8)	X-791-2

Item	Description	Part Number
33	Nut, 1/4-20	#
34	Panel, side (4)	298349
35	Clip, speed (36)	297596
36	Plate, top	298946
37	Clip, speed (8)	297952
38	Screw, hex washer (8)	X-791-2
39	Bracket, lifting (2)	298433
40	Hardware, 3/8-16 (8)	#
41	Channel	298897
42	Screw, hex washer (20)	X-791-2
43	Nut, 1/4-20	#
44	Channel, vertical (2)	298451
45	Screw, hex washer (5)	X-791-3
46	Nut, 1/4-20 (2)	#
47	Channel, top & bottom (2)	298429
48	Channel, corner (4)	298425
49	Bus, ground	298424
50	Screw, hex washer (2)	X-791-2
51	Nut, 1/4-20	#
52	Channel, front & back	262722
53	Button, plug (24)	X-301-23
54	Channel, side 3" (3)	298437
55	Channel, top & bottom (2)	298429
56	Screw, hex washer (90)	X-791-2
57	Nut, 1/4-20	#



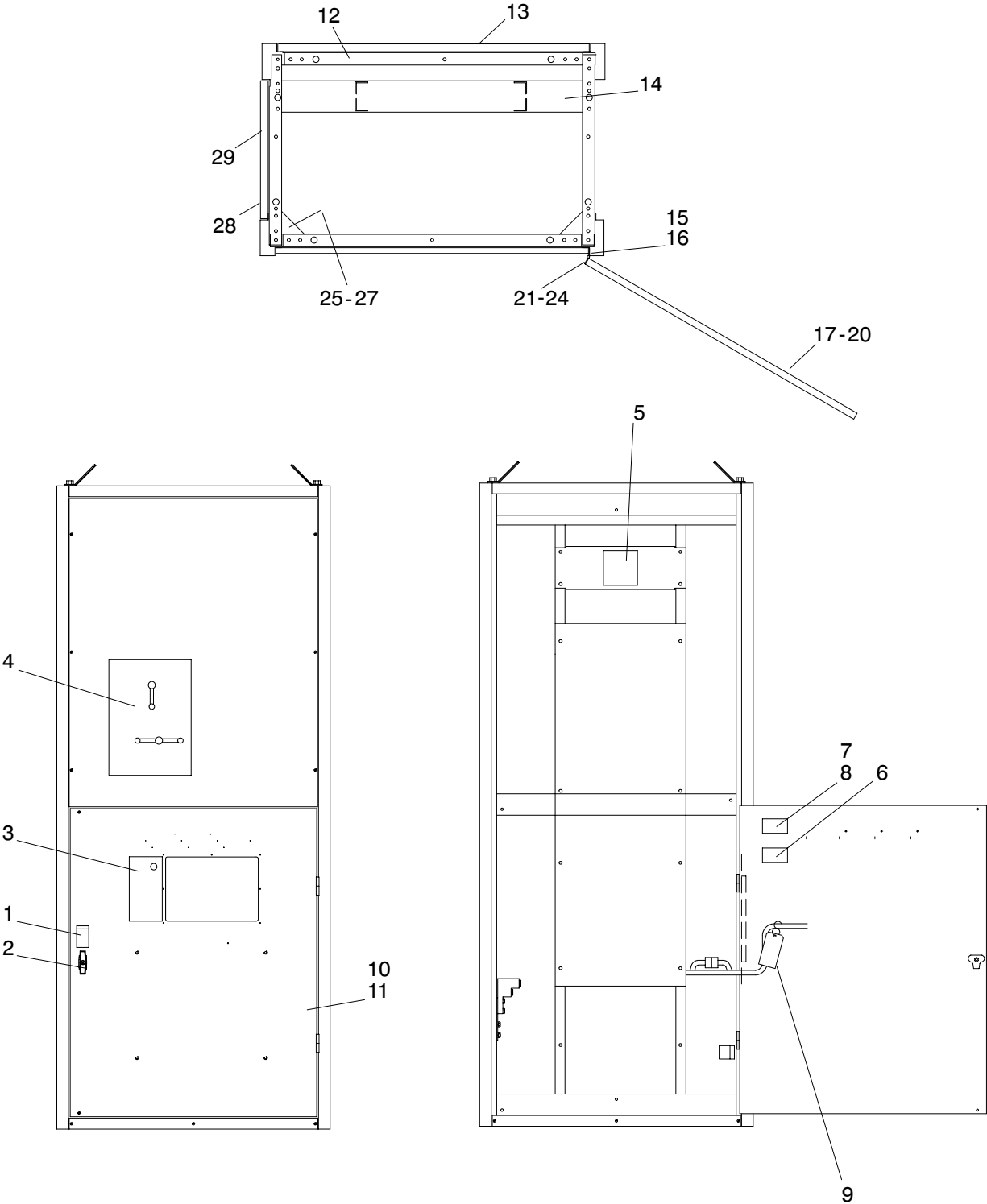
BE-295000

Bypass-Isolation NEMA Type 1 150-400 Amp.

Enclosures

Item	Description	Part Number
1	Decal	294520
2	Latch, T-handle	X-6132-4
3	Decal	294853
4	Bracket	294348
5	Screw, hex washer	X-791-2
6	Washer	X-20-1
7	Nut	X-81-1
8	Decal, notice	294414
9	Decal, BIS	320662
10	Decal, auto	320657
11	Nameplate (4)	295392
12	Tag, instruction	297949
13	Decal, instructions	294166
14	Decal, sequence	294167
15	Decal, bypass/isolation	294165
16	Decal, Spectrum	X-6301-1
17	Decal, transfer switch	X-6303-1
18	Channel (4)	298942
19	Panel, back (2)	262719
20	Channel (2)	298948
21	Screw, flat head (8)	295098
22	Nut, 10-24 (8)	#
23	Door, enclosure	294796
24	Screw, hex washer (2)	X-791-3
25	Washer, 1/4 (2)	#
26	Retainer, nut (2)	X-6204-1
27	Hinge, split	297600
28	Screw, flat head (8)	295098
29	Nut, hex, 10-24 (8)	X-70-2
30	Washer, plain (8)	X-25-7
31	Brace, corner (2)	298722
32	Screw, hex washer (8)	X-791-2

Item	Description	Part Number
33	Nut, 1/4-20	#
34	Panel, side (4)	298349
35	Clip, speed (36)	297596
36	Plate, top	298946
37	Clip, speed (8)	297952
38	Screw, hex washer (8)	X-791-2
39	Bracket, lifting (2)	298433
40	Hardware, 3/8-16 (8)	#
41	Channel	298897
42	Screw, hex washer (20)	X-791-2
43	Nut, 1/4-20	#
44	Channel, vertical (2)	298451
45	Screw, hex washer (5)	X-791-3
46	Nut, 1/4-20 (2)	#
47	Channel, top & bottom (2)	298429
48	Channel, corner (4)	298425
49	Bus, ground	298424
50	Screw, hex washer (2)	X-791-2
51	Nut, 1/4-20	#
52	Channel, front & back	262722
53	Button, plug (24)	X-301-23
54	Channel, side 3" (3)	298437
55	Channel, top & bottom (2)	298429
56	Screw, hex washer (90)	X-791-2
57	Nut, 1/4-20	#

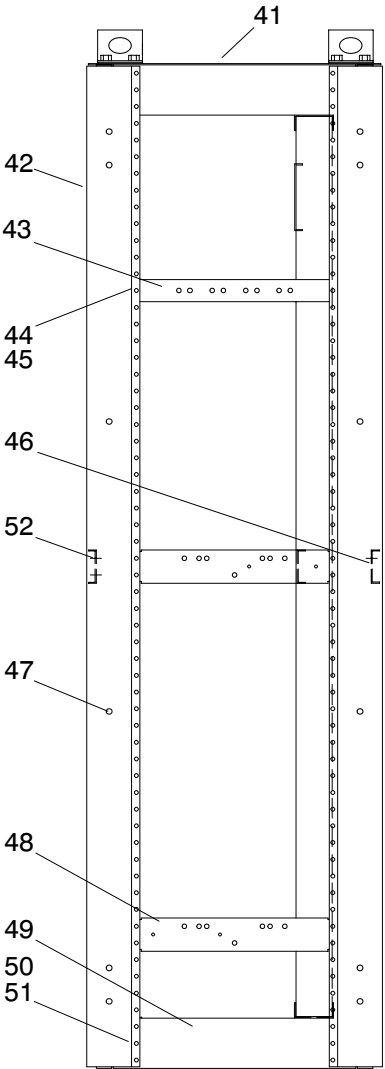
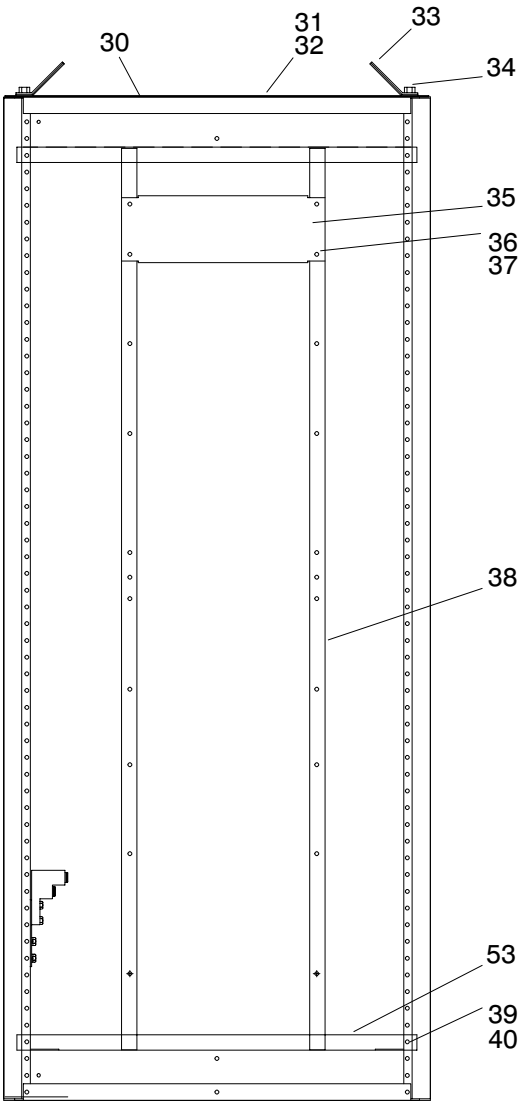


L-5735
AX-295000

Bypass-Isolation NEMA Type 1 600-800 Amp.

Enclosures

Item	Description	Part Number	
		2 or 3 poles	4 pole
1	Decal	294520	294520
2	Latch, T-handle	X-6132-4	X-6132-4
3	Decal	294853	294853
4	Decal	297875	297875
5	Decal, notice	294414	294414
6	Decal, BIS	320662	320662
7	Decal, auto	320657	320657
8	Nameplate (4)	295392	295392
9	Tag, instruction	297949	297949
10	Decal, Spectrum	X-6301-1	X-6301-1
11	Decal, transfer switch	X-6303-1	X-6303-1
12	Channel, top & bottom (4)	298432	298432
13	Panel, back (3)	298351	298351
14	Channel, crossmember (2)	298453	298453
15	Screw, flat head (4)	295098	295098
16	Nut, 10-24 (4)	#	#
17	Door, enclosure	294797	294797
18	Screw, hex washer (3)	X-791-3	X-791-3
19	Washer, 1/4 (2)	#	#
20	Retainer, nut (2)	X-6204-1	X-6204-1
21	Hinge, split (2)	297600	297600
22	Screw, flat head (4)	295098	295098
23	Nut, hex, 10-24 (4)	X-70-2	X-70-2
24	Washer, plain (4)	X-25-7	X-25-7
25	Brace, corner (2)	298722	298722
26	Screw, hex washer (8)	X-791-2	X-791-2
27	Nut, 1/4-20	#	#
28	Panel, side (4)	298349	298349
29	Clip, speed (36)	297596	297596



AX-295000

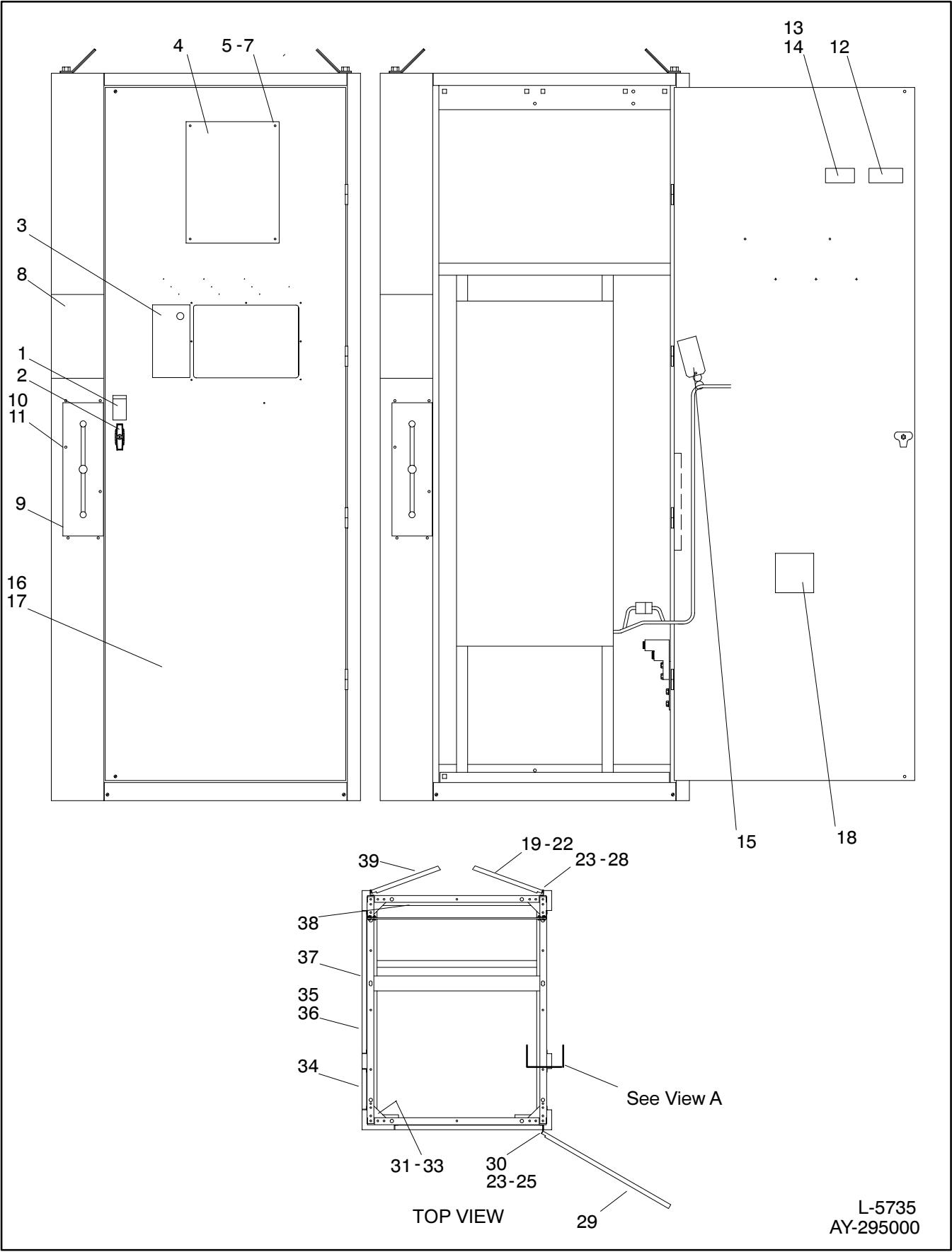
Bypass-Isolation NEMA Type 1 600-800 Amp.

Enclosures

Item	Description	Part Number	
		2 or 3 pole	4 pole
30	Plate, top	298496	298496
31	Clip, speed (8)	297952	297952
32	Screw, hex washer (8)	X-791-2	X-791-2
33	Bracket, lifting (2)	298433	298433
34	Hardware, 3/8-16 (8)	#	#
35	Channel	298459	298460
36	Screw, hex washer (20)	X-791-2	X-791-2
37	Nut, 1/4-20	#	#
38	Channel, vertical (2)	298451	298451
39	Screw, hex washer (9)	X-791-3	X-791-3
40	Nut, 1/4-20	#	#
41	Channel, top & bottom (2)	298429	298426
42	Channel, corner (4)	298425	298425
43	Bus, ground	298424	298424
44	Screw, hex washer (2)	X-791-2	X-791-2
45	Nut, 1/4-20	#	#
46	Channel, front & back (2)	261836	261836
47	Button, plug (24)	X-301-23	X-301-23
48	Channel, side 3" (3)	298437	298437
49	Channel, top & bottom (2)	298429	298429
50	Screw, hex washer (90)	X-791-2	X-791-2
51	Nut, 1/4-20	#	#
52	Channel, front	298456	298456
53	Panel, spacer	297745	297745

Enclosures

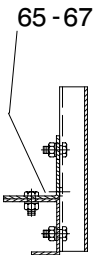
**Bypass-Isolation
NEMA Type 1 1000-1200 Amp.**



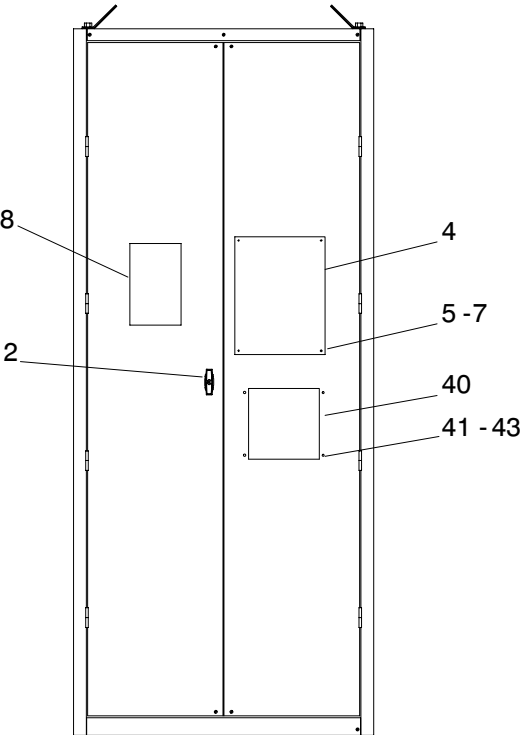
Bypass-Isolation NEMA Type 1 1000-1200 Amp.

Enclosures

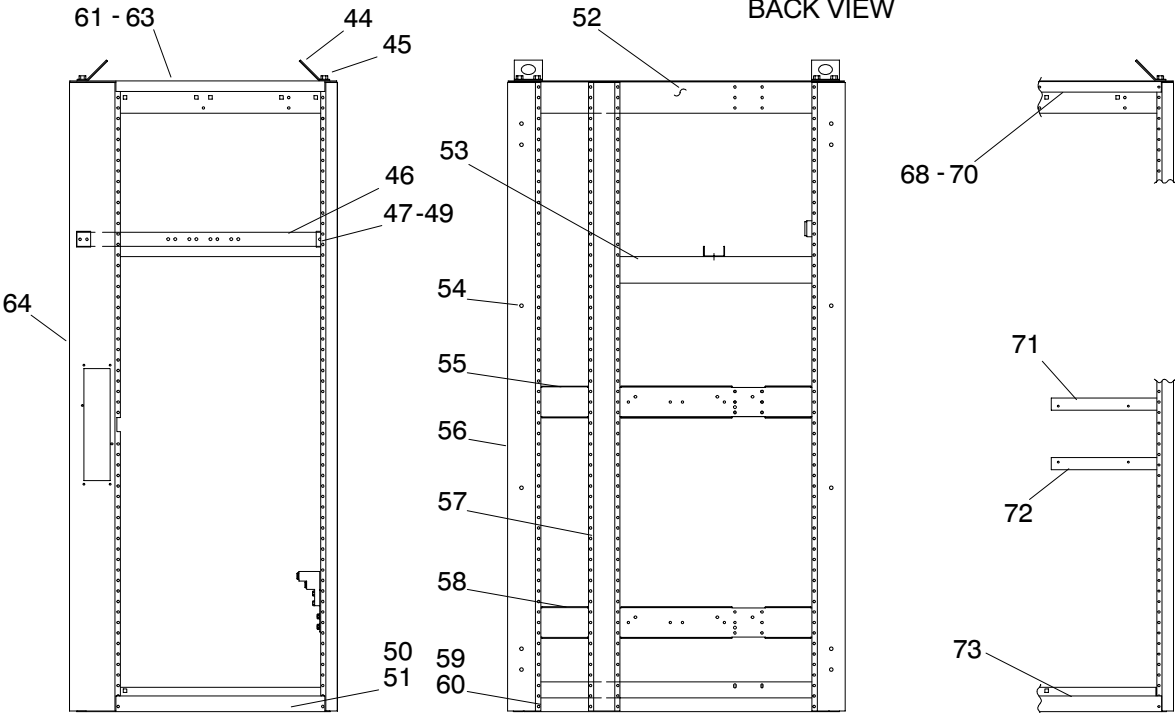
Item	Description	Part Number
1	Decal	294520
2	Latch, T-handle	X-6132-4
3	Decal	294853
4	Nameplate, status	297518
5	Screw, 10-24 x 5/8 (4)	X-50-8
6	Nut, hex, 10-24 (4)	#
7	Washer, split lock, 10 (4)	#
8	Nameplate, instructions	297715
9	Nameplate, isolation	297517
10	Screw, hex cap (6)	#
11	Nut, 1/4-20 (6)	#
12	Decal, BIS	320662
13	Decal, auto	320657
14	Nameplate (4)	295392
15	Instruction tag	297949
16	Decal, Spectrum	X-6301-1
17	Decal, transfer switch	X-6303-1
18	Decal, notice	294414
19	Door, left back	298764
20	Screw, hex washer (2)	X-791-3
21	Washer, 1/4 (2)	#
22	Retainer, nut (2)	X-6204-1
23	Washer, plain (8)	X-25-7
24	Nut, hex, 10-24 (8)	X-70-2
25	Screw, flat head (8)	295098
26	Hinge, split (4)	297601
27	Screw, flat head (8)	295098
28	Nut, 1/4-20 (8)	#
29	Door, enclosure	294798
30	Hinge, split (4)	297600
31	Brace, corner (4)	298722
32	Screw, hex washer (16)	X-791-2
33	Nut, 1/4-20 (16)	#
34	Panel, side (4)	262460
35	Screw, hex washer (48)	X-791-3
36	Clip, speed (48)	297596
37	Panel, side (4)	298766
38	Channel, top & bottom (2)	298432
39	Door, right back	298765



VIEW A



BACK VIEW

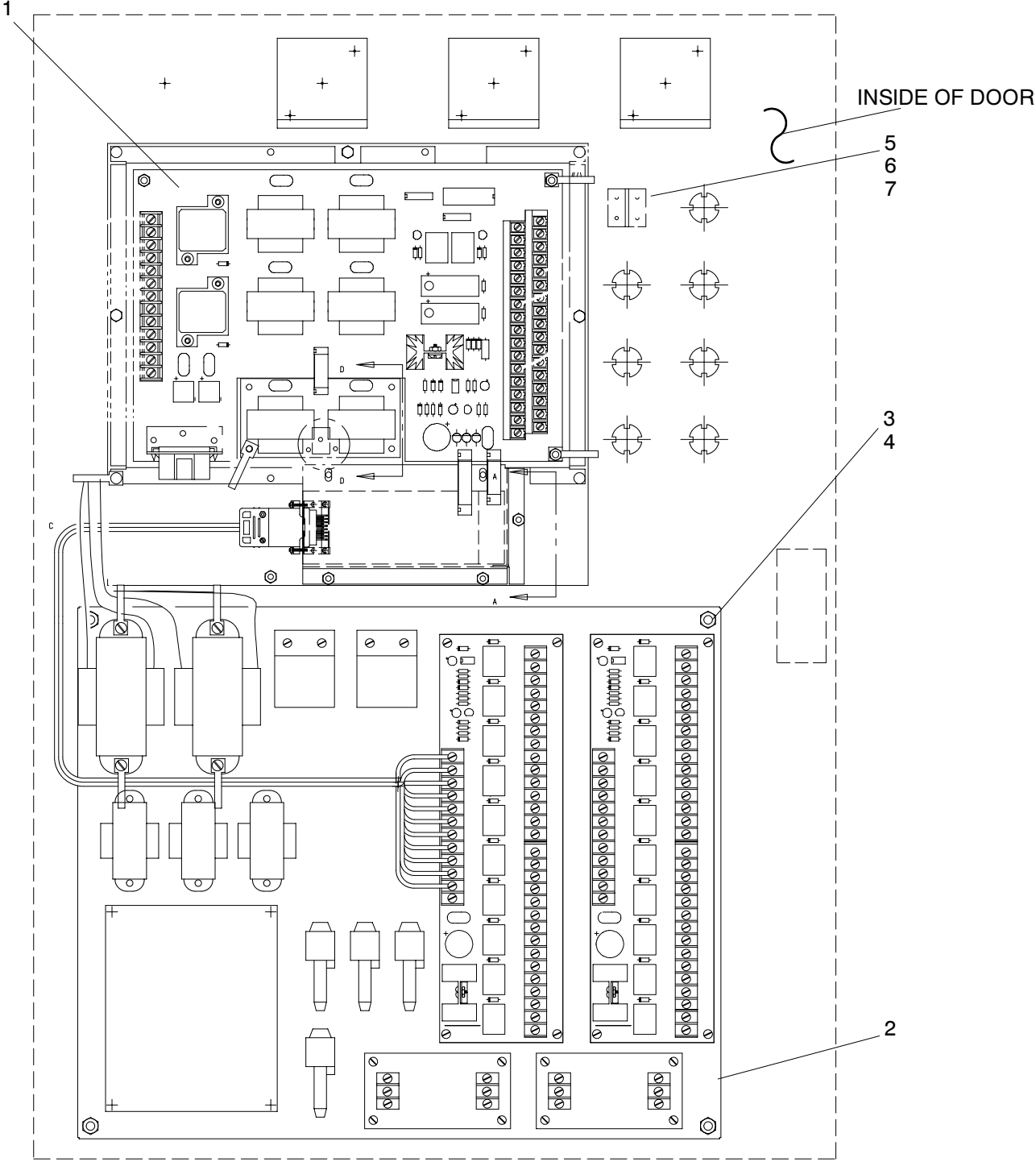


Bypass-Isolation NEMA Type 1 1000-1200 Amp.

Enclosures

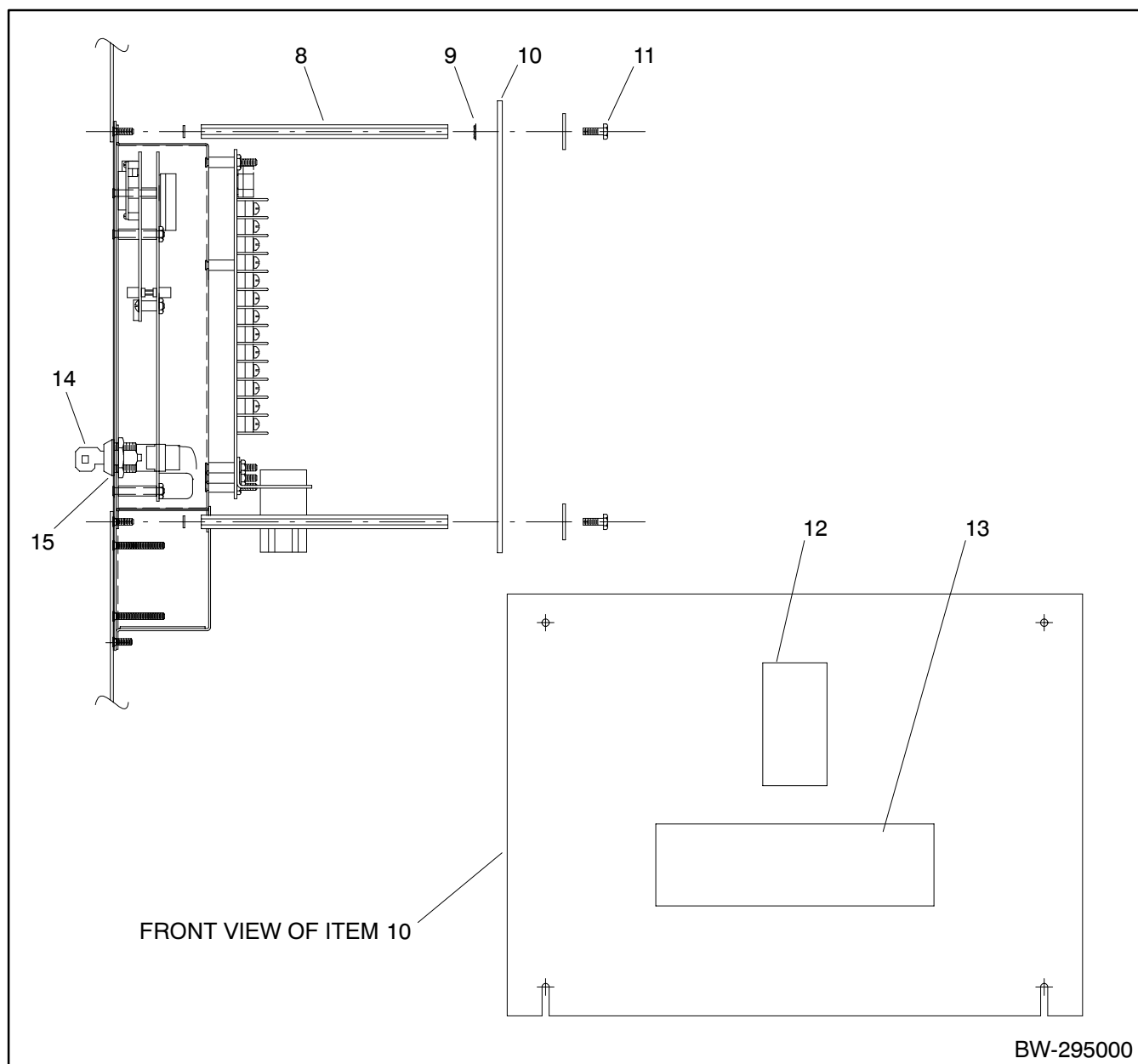
Item	Description	Part Number
40	Nameplate, bypass	297716
41	Screw, 10-24 x 5/8 (4)	#
42	Washer, split lock 1/4 (4)	#
43	Nut, 1/4-20	#
44	Bracket, lifting (8)	298433
45	Hardware, 3/8-16 (8)	#
46	Bus, ground	298446
47	Screw, hex washer (8)	X-791-2
48	Nut, 1/4-20	#
49	Bracket, mounting (2)	298447
50	Panel, spacer	298732
51	Nut, 1/4-20	#
52	Channel, top-side (2)	298733
53	Bracket, mounting (2)	298767
54	Button, plug (24)	X-301-23
55	Channel, side (2)	298783
56	Channel, corner (3)	298425
57	Channel, center vert. (2)	298427
58	Channel, side	298783
59	Screw, hex washer (92)	X-791-2
60	Nut, 1/4-20	#
61	Plate, top	298755
62	Screw, hex washer (12)	X-791-2
63	Clip, speed (12)	297952
64	Channel, corner	298731
65	Nut, 1/4-20	#
66	Screw, hex washer (20)	X-791-2
67	Support, angle (2)	298785
68	Panel, spacer	298438
69	Screw, hex washer (3)	X-791-3
70	Nut, 1/4-20	#
71	Brace, top	298808
72	Brace, bottom	298809
73	Panel, spacer	298782

Inner Door Panel



BW-295000

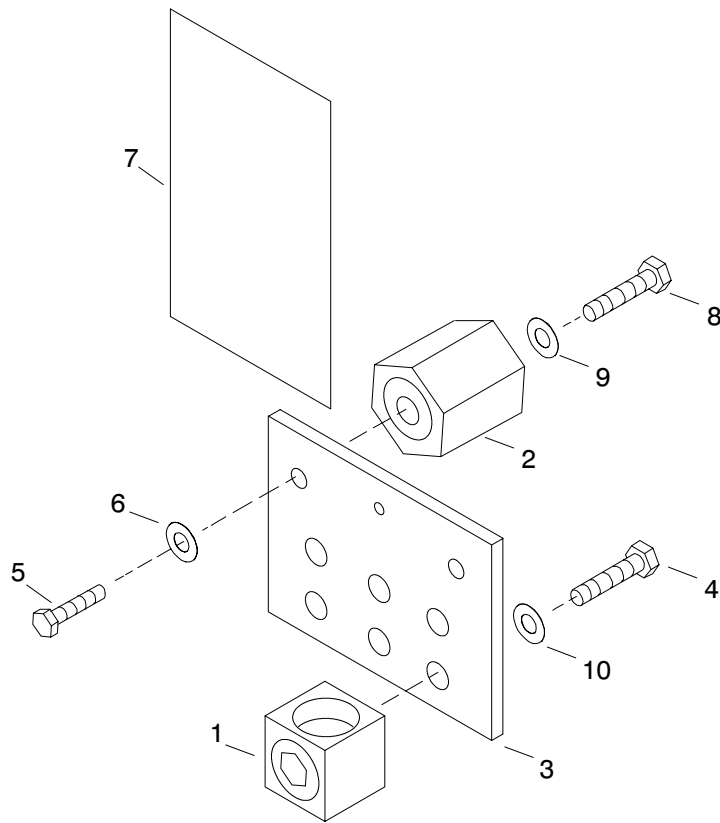
Inner Door Panel



Item	Description	Part Number
1	Micro-controller assembly	B-294548
2	Panel, inner	294741
3	Nut, 1/4-20 (4)	X-76-2
4	Spacer (4)	265861
5	Block, contact	294651
6	Switch, pushbutton	294653
7	Contact assembly	298049
8	Spacer, micro (4)	294760

Item	Description	Part Number
9	Retainer (2)	294759
10	Guard	294860
11	Screw, 8-32 x 1/2 (4)	X-51-15
12	Decal, hazardous voltage	294328
13	Decal, "This transfer..."	294523
14	Key, replacement (6792)	296292
15	Switch, key	294144

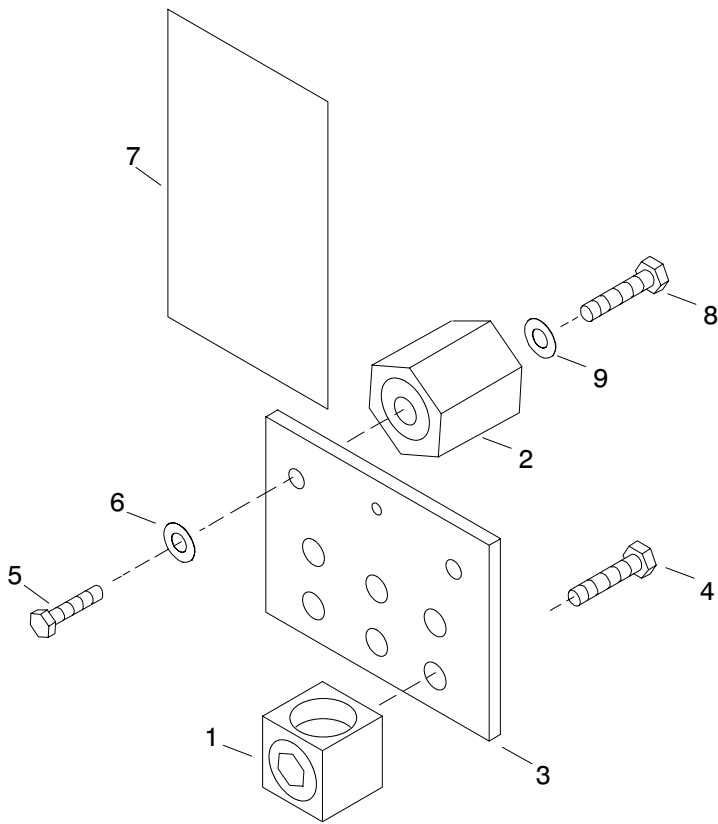
Neutral Lug



BX-295000

Item	Description	Part Number				
		30-104 Amp.	150 Amp.	225/260 Amp.	400 Amp.	600/800 Amp.
1	Lug, terminal	295303 (3)	297712 (3)	X-6207-5 (3)	X-6207-9 (3)	295296 (3)
2	Insulator, panel	233269 (2)	233269 (2)	233568 (2)	233568 (2)	233568 (3)
3	Bracket, mounting	295304	297713	294362	294359	295298
4	Screw	X-97-11 (3)	X-465- 6 (3)	3/8-16 (3)	3/8-16 (3)	3/8-16 (6)
5	Screw	X-465-6 (2)	X-465-6 (2)	X-6238-10 (2)	X-6238-10 (2)	X-6238-10 (3)
6	Washer	1/4 (2)	1/4 (2)	3/8 (2)	3/8 (2)	3/8 (3)
7	Decal	297556	297556	297556	297556	297556
8	Screw	X-465-6 (2)	X-465-6 (2)	X-6238-2 (2)	X-6238-2 (2)	X-6238-2 (3)
9	Washer	1/4 (2)	1/4 (2)	3/8 (2)	3/8 (2)	3/8 (3)
10	Washer, lock (3)	X-22-9	X-22-11	-	-	-

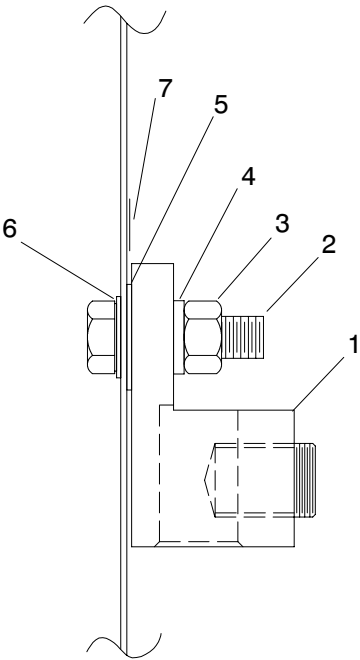
Neutral Lug



BX-295000

Item	Description	Part Number			
		1000/1200 Amp.	1600 Amp.	2000 Amp.	2500-4000 Amp.
1	Lug, terminal	297582 (3)	297605 (3)	297582 (3)	297582 (3)
2	Insulator, panel	233568 (3)	233568 (3)	233568 (3)	233568 (3)
3	Bracket, mounting	295298	297604	297604	297604
4	Screw	3/8-16 (6)	3/8-16 (6)	3/8-16(12)	3/8-16(12)
5	Screw	X-6238-10 (3)	X-6238-10 (3)	X-6238-10 (3)	X-6238-10 (3)
6	Washer	3/8 (3)	3/8 (3)	3/8 (3)	3/8 (3)
7	Decal	297597	233568	297597	-
8	Screw	X-6238-2 (3)	X-6238-2 (3)	X-6238-2 (3)	X-6238-2 (3)
9	Washer	3/8 (3)	3/8 (3)	3/8 (3)	3/8 (3)

30-800 Amp, CSA

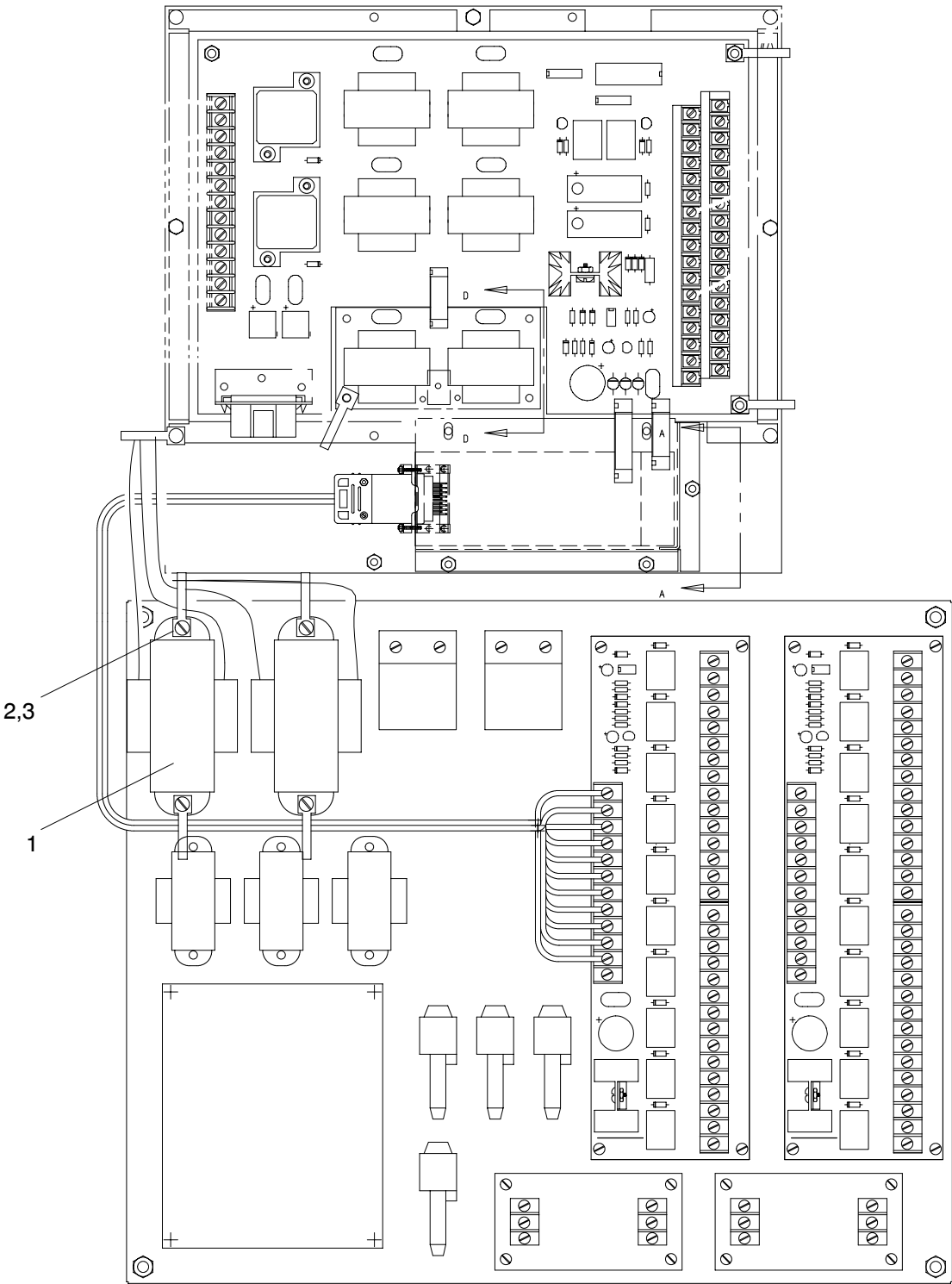


Y-295000

Item	Description	Part Number			
		30-150 Amp.	225 Amp.	400 Amp.	600-800 Amp.
1	Lug, terminal	294533	295295	295067	295296
2	Screw	X-6238-4	X-129-20	X-129-20	X-6238-5 (2)
3	Nut, hex	X-83-2	X-89-17	X-87-17	X-83-2 (2)
4	Washer, lock	X-22-1	X-24-6	X-24-6	X-22-1 (2)
5	Washer, lock	X-22-14	X-22-26	X-22-26	X-22-14 (2)
6	Washer, plain	X-25-82	X-25-59	X-25-59	X-25-82 (2)
7	Decal, ground	238575	238575	238575	238575

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Transformer



View of Inner Door Panel

BW-295000

Transformer

Voltage	Item 1 Transformer (2)	Item 2 Screw, 8-32 x 1/2 (4)	Item 3 Nut, Captive (4)
110	294644	X-51-15	298811
120	294593	X-51-15	298811
190	294645	X-51-15	298811
208	294594	X-51-15	298811
220	294646	X-51-15	298811
240	294595	X-51-15	298811
380	294596	X-51-15	298811
416	294597	X-51-15	298811
480	294598	X-51-15	298811
600	294599	X-51-15	298811

Accessories

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Time Delays

KD-Accessory	Kit Number	Description	Part Number
100-B		Extended Time Delay Shunt, programming	294634

Source Monitors

KD-Accessory	Kit Number	Description	Part Number
5-K	PA-320217-SD	Emergency Source Sensing Circuit board assy., ATS 3 phase Spacer (4) Cable assembly, ribbon Shunt, programming	C-294493 X-712-8 294638 294634

Test Switches

KD-Accessory	Kit Number	Description	Part Number
6-D		Test Switch, maintained Switch, 2-position Decal, auto/test	294654 294689
6-F	PA-320219-SD	Test Switch, momentary—keyed Switch, 2-position Decal, auto/test	294656 294689
6-H		Test Switch, maintained—keyed Switch, 2-position Decal, auto/test	294655 294689
6-N	PA-320220-SD	Switch, 3-position momentary Decal Switch, 3-position	294685 294691
6-P		Switch, 3-position momentary—keyed Decal Switch, 3-position	294685 294692
6-R		Switch, 3-position maintained Decal Switch, 3-position	294685 294693
6-T		Switch, 3-position maintained—keyed Decal Switch, 3-position	294685 294694
7-D		Test Switch, 4-position Decal, A.T.S. Switch, 4-position	294686 294695
7-F		Test Switch, 4-position—keyed Decal, A.T.S. Switch, 4-position	294686 294696

Time Delay Override Switches

KD-Accessory	Kit Number	Description	Part Number
8-C	PA-320222-SD	Switch, emergency to normal Switch, pushbutton Contact assembly	294653 298049
8-D	PA-320223-SD	Switch, normal to emergency Switch, pushbutton Contact assembly	294653 298049

Accessories

Inhibit Switches

KD-Accessory	Kit Number	Description	Part Number
9-G		Inhibit Switch	
		Block, contact (2)	294652
		Switch, 2-position	294654
9-J		Contact assembly	298049
		Inhibit Switch Keyed	
		Block, contact (2)	294652
		Switch, 2-position	294655
		Contact assembly	298049

Auxiliary Contacts - Relay

KD-Accessory	Kit Number	Description	Part Number
14-G	PA-320224-SD	10 Relay Dry Contact	
		Circuit board assy., 10 relay	D-294303
		Washer, lock 8 (6)	X-22-7
		Screw, 8-32 (6)	X-51-2
		Grommet, plastic (6)	X-593-2
		Jumper (3)	X-6048-2
		Holder, fuse	239050
		Fuse, lamp	239179
		Cover, terminal strip (2)	294631
		Cover, terminal strip	294632
14-H	PA-320225-SD	1 Relay Dry Contact	
		Circuit board assy., 1 relay	C-294301
		Washer, lock 8 (4)	X-22-7
		Screw, 8-32 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Holder, fuse	239050
		Fuse, lamp	239179
		Cover, terminal strip	294633
14-J	PA-320226-SD	Clip, U	297937
		Relay Dry Contact	
		Circuit board assy., 1 relay	C-294301
		Washer, lock 8 (4)	X-22-7
		Screw, 8-32 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Holder, fuse	239050
		Fuse, lamp	239179
14-K	PA-320227-SD	Cover, terminal strip	294633
		Clip, U	297937
		Relay Dry Contact	
		Circuit board assy., 1 relay	C-294301
		Washer, lock 8 (4)	X-22-7
		Screw, 8-32 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Holder, fuse	239050
		Fuse, lamp	239179
		Cover, terminal strip	294633
		Clip, U	297937
		Relay Dry Contact	
		Circuit board assy., 1 relay	C-294301
		Washer, lock 8 (4)	X-22-7
		Screw, 8-32 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Holder, fuse	239050
		Fuse, lamp	239179
		Cover, terminal strip	294633
		Clip, U	297937
		Relay Dry Contact	
		Circuit board assy., 1 relay	C-294301
		Washer, lock 8 (4)	X-22-7
		Screw, 8-32 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Holder, fuse	239050
		Fuse, lamp	239179
		Cover, terminal strip	294633
		Clip, U	297937
		Relay Dry Contact	
		Circuit board assy., 1 relay	C-294301
		Washer, lock 8 (4)	X-22-7
		Screw, 8-32 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Holder, fuse	239050
		Fuse, lamp	239179
		Cover, terminal strip	294633
		Clip, U	297937
		Relay Dry Contact	
		Circuit board assy., 1 relay	C-294301
		Washer, lock 8 (4)	X-22-7
		Screw, 8-32 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Holder, fuse	239050
		Fuse, lamp	239179
		Cover, terminal strip	294633
		Clip, U	297937
		Relay Dry Contact	
		Circuit board assy., 1 relay	C-294301
		Washer, lock 8 (4)	X-22-7
		Screw, 8-32 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Holder, fuse	239050
		Fuse, lamp	239179
		Cover, terminal strip	294633
		Clip, U	297937

Auxiliary Contacts - Relay Continued

KD-Accessory	Kit Number	Description	Part Number
14-L	PA-320228-SD	Relay Dry Contact Circuit board assy., 1 relay Washer, lock 8 (4) Screw, 8-32 (4) Grommet, plastic (4) Holder, fuse Fuse, lamp Cover, terminal strip Clip, U	C-294301 X-22-7 X-51-2 X-593-2 239050 239179 294633 297937
14-M	PA-320229-SD	Relay Dry Contact Circuit board assy., 1 relay Washer, lock 8 (4) Screw, 8-32 (4) Grommet, plastic (4) Holder, fuse Fuse, lamp Cover, terminal strip Clip, U	C-294301 X-22-7 X-51-2 X-593-2 239050 239179 294633 297937
14-N	PA-320230-SD	Relay Dry Contact Circuit board assy., 1 relay Washer, lock 8 (4) Screw, 8-32 (4) Grommet, plastic (4) Holder, fuse Fuse, lamp Cover, terminal strip Clip, U	C-294301 X-22-7 X-51-2 X-593-2 239050 239179 294633 297937
14-P	PA-320231-SD	Relay Dry Contact Circuit board assy., 1 relay Washer, lock 8 (4) Screw, 8-32 (4) Grommet, plastic (4) Holder, fuse Fuse, lamp Cover, terminal strip (2) Clip, U	C-294301 X-22-7 X-51-2 X-593-2 239050 239179 294633 297937
14-R	PA-320232-SD	Relay Dry Contact Circuit board assy., 1 relay Washer, lock 8 (4) Screw, 8-32 (4) Grommet, plastic (4) Holder, fuse Fuse, lamp Cover, terminal strip Clip, U	C-294301 X-22-7 X-51-2 X-593-2 239050 239179 294633 297937

Auxiliary Contacts - Main Shaft

KD-Accessory	Kit Number	Description	Part Number
15-EA		Auxiliary Contact Contact, auxiliary	295166
15-EC		Auxiliary Contact Contact, auxiliary	295169
15-FA		Auxiliary Contact Contact, auxiliary Insulator, plate	295166 297275

Accessories

Auxiliary Contacts - Main Shaft Continued

KD-Accessory	Kit Number	Description	Part Number
15-FC		Auxiliary Contact Contact, auxiliary	295169
15-GA		Auxiliary Contact Contact, auxiliary (2) Insulator, plate (2)	295166 297275
15-GC		Auxiliary Contact Contact, auxiliary (2) Actuator, contact (2)	295169 295170
15-GE		Auxiliary Contact Contact, auxiliary	297576
15-GF		Auxiliary Contact Contact, auxiliary	297576
15-HA		Auxiliary Contact Contact, auxiliary (2) Insulator, plate (2)	295166 297275
15-HC		Auxiliary Contact Contact, auxiliary (2) Actuator, contact	295169 295170
15-HE		Auxiliary Contact Contact, auxiliary	297576
15-JA		Auxiliary Contact Contact, auxiliary (3)	295166
15-JC		Auxiliary Contact Contact, auxiliary (3) Actuator, contact	295169 295170
15-KA		Auxiliary Contact Contact, auxiliary (3) Insulator, plate (3)	295166 297275
15-KC		Auxiliary Contact Contact, auxiliary (3) Actuator, contact	295169 295170
15-LB		Auxiliary Contact Contact, auxiliary	295167
15-LD		Auxiliary Contact Contact, auxiliary	297997
15-LE		Auxiliary Contact Contact, auxiliary	297576
15-LF		Auxiliary Contact Contact, auxiliary	297576
15-LG		Auxiliary Contact Contact, auxiliary	297576
15-MB		Auxiliary Contact Contact, auxiliary Contact, auxiliary	295167 295168

Meters

KD-Accessory	Kit Number	Description	Part Number
18-GA		Frequency Meter 120V Insulink (3) Fuse, 2 amp. Holder, fuse Guard, meter Meter, frequency	X-367-3 239049 239050 294705 295069
18-GB		Frequency Meter 208V Insulink (3) Fuse, 2 amp. Holder, fuse Guard, meter Meter, frequency Clip, U	X-367-3 239049 239050 294705 295348 297937
18-GC		Frequency Meter 240V Insulink (3) Fuse, 2 amp. Holder, fuse Guard, meter Meter, frequency Clip, U	X-367-3 239049 239050 294705 295348 297937
18-GD		Frequency Meter 380V Insulink (3) Fuse, 2 amp. Holder, fuse Guard, meter Meter, frequency Transformer Clip, U	X-367-3 239049 239050 294705 295069 295300 297937
18-GE		Frequency Meter 416V Insulink (3) Fuse, 2 amp. Holder, fuse Guard, meter Meter, frequency Transformer Clip, U	X-367-3 239049 239050 294705 295069 295301 297937
18-GF		Frequency Meter 440V Insulink (3) Fuse, 2 amp. Holder, fuse Guard, meter Meter, frequency Transformer Clip, U	X-367-3 239049 239050 294705 295069 295302 297937
18-GG		Frequency Meter 550V Insulink (3) Fuse, 2 amp. Holder, fuse Guard, meter Meter, frequency Transformer Clip, U	X-367-3 239049 239050 294705 295069 295299 297937

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JA-10		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Voltmeter, AC	295017
		Transformer (3)	295019
		Transformer	295299
		Ammeter	295336
18-JA2		Resistor	295396
		Clip, U	297937
		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Voltmeter, AC	295017
		Transformer (3)	295019
18-JA3		Ammeter	295336
		Clip, U	297937
		Volt/Ammeter Selector	
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Voltmeter, AC	295011
		Transformer	295019
		Ammeter	295336
18-JA4		Clip, U	297937
		Volt/Ammeter Selector	
		Insulink (2)	X-367-3
		Insulink	X-367-4
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Switch, selector	294701
		Nameplate	294703
		Guard, meter	294705
		Voltmeter, AC	295011
		Transformer (2)	295019
		Ammeter	295336

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JA5		Volt/Ammeter Selector Terminal Insulink (2) Conduit, convoluted Fuse, 2 amp. Holder, fuse Switch, selector Nameplate Guard, meter Voltmeter, AC Transformer (2) Ammeter Clip, U	X-367-2 X-367-3 X-6003-36 239049 239050 294699 294704 294705 295011 295019 295336 297937
18-JA8		Volt/Ammeter Selector Insulink (3) Conduit, convoluted Fuse, 2 amp. Holder, fuse Switch, selector Nameplate Guard, meter Voltmeter, AC Transformer Transformer Ammeter Resistor	X-367-3 X-6003-36 239049 239050 294700 294702 294705 295014 295019 295302 295336 295396
18-JA9		Volt/Ammeter Selector Terminal Insulink (3) Conduit, convoluted Fuse, 2 amp. Holder, fuse Switch, selector Nameplate Guard, meter Voltmeter, AC Transformer Transformer Ammeter Resistor Clip, U	X-367-2 X-367-3 X-6003-36 239049 239050 294699 294704 294705 295014 295019 295302 295336 295396 297937
18-JB1		Volt/Ammeter Selector Insulink (3) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer Switch, selector Nameplate Guard, meter Ammeter Voltmeter Clip, U	X-367-3 X-6003-36 239049 239050 246884 294700 294702 294705 295337 295344 297937

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JB10		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246885
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295337
		Voltmeter	295017
		Clip, U	297937
		Resistor	295396
18-JB-2		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246884
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295337
		Voltmeter	295011
		Clip, U	297937
18-JB4		Volt/Ammeter Selector	
		Insulink	X-367-4
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (2)	246884
		Switch, Selector	294701
		Nameplate	294703
		Guard, meter	294705
		Ammeter	295337
		Voltmeter	295011
		Clip, U	297937

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JB5		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246884
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295337
		Voltmeter	295011
		Clip, U	297937
18-JB8		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246884
		Switch, selector	294701
		Nameplate	294703
		Guard, meter	294705
		Transformer	295302
		Ammeter	295337
		Voltmeter	295014
		Clip, U	297937
		Resistor	295396
18-JB9		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246884
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Transformer	295302
		Ammeter	295337
		Voltmeter	295014
		Clip, U	297937
		Resistor	295396
18-JC1		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246884
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Transformer	295302
		Ammeter	295338
		Voltmeter	295344
		Clip, U	297937

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JC10		Volt/Ammeter Selector Terminal Insulink (2) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer (3) Switch, selector Nameplate Guard, meter Transformer Ammeter Voltmeter Clip, U Resistor	 X-367-2 X-367-3 X-6003-36 239049 239050 246885 294699 294704 294705 295299 295338 295017 297937 295396
18-JC2		Volt/Ammeter Selector Terminal Insulink (2) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer (3) Switch, selector Nameplate Guard, meter Ammeter Voltmeter Clip, U	 X-367-2 X-367-3 X-6003-36 239049 239050 246885 294699 294704 294705 295338 295011 297937
18-JC3		Volt/Ammeter Selector Insulink (3) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer (3) Switch, selector Nameplate Guard, meter Ammeter Voltmeter Clip, U	 X-367-3 X-6003-36 239049 239050 246885 294700 294702 294705 295338 295011 297937
18-JC4		Volt/Ammeter Selector Insulink (2) Insulink Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer (3) Switch, selector Nameplate Guard, meter Ammeter Voltmeter Clip, U	 X-367-3 X-367-4 X-6003-36 239049 239050 246885 294701 294703 294705 295338 295011 297937

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JC5		Volt/Ammeter Selector	
		Insulink (2)	X-367-3
		Insulink	X-367-4
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246885
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295338
		Voltmeter	295011
		Clip, U	297937
18-JC9		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246885
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Transformer	295302
		Ammeter	295338
		Voltmeter	295014
		Clip, U	297937
		Resistor	295396
18-JD1		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246886
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295337
		Voltmeter	295344
		Clip, U	297937
18-JD10		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246886
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Transformer	295299
		Ammeter	295337
		Voltmeter	295017
		Clip, U	297937
		Resistor	295396

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JD2		Volt/Ammeter Selector Insulink Insulink (2) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer (3) Switch, selector Nameplate Guard, meter Ammeter Voltmeter Clip, U	 X-367-4 X-367-3 X-6003-36 239049 239050 246886 294699 294704 294705 295337 295011 297937
18-JD3		Volt/Ammeter Selector Insulink (3) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer Switch, selector Nameplate Guard, meter Ammeter Voltmeter Clip, U	 X-367-3 X-6003-36 239049 239050 246886 294700 294702 294705 295337 295011 297937
18-JD4		Volt/Ammeter Selector Insulink (2) Insulink Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer (2) Switch, selector Nameplate Guard, meter Ammeter Voltmeter Clip, U	 X-367-3 X-367-4 X-6003-36 239049 239050 246886 294701 294703 294705 295337 295011 297937
18-JD5		Volt/Ammeter Selector Terminal Insulink (2) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer (3) Switch, selector Nameplate Guard, meter Ammeter Voltmeter Clip, U	 X-367-2 X-367-3 X-6003-36 239049 239050 246886 294699 294704 294705 295337 295011 297937

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JD8		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246886
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295337
		Voltmeter	295014
		Transformer	295302
		Clip, U	297937
		Resistor	295396
18-JD9		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246886
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295337
		Voltmeter	295014
		Transformer	295302
		Resistor	295396
		Clip, U	297937
18-JE1		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246889
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295344
		Clip, U	297937
18-JE10		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246889
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295017
		Transformer	295299
		Resistor	295396
		Clip, U	297937

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JE2		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	246889
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295011
		Clip, U	297937
18-JE3		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246889
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295011
		Clip, U	297937
18-JE4		Volt/Ammeter Selector	
		Insulink (2)	X-367-3
		Insulink	X-367-4
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246889
		Switch, selector	294701
		Nameplate	294703
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295011
		Clip, U	297937
18-JE5		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246889
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295011
		Clip, U	297937

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JE8		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246889
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295014
		Transformer	295302
		Resistor	295396
		Clip, U	297937
18-JE9		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	246889
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295014
		Transformer	295302
		Resistor	295396
		Clip, U	297937
18-JF1		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	248874
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295344
		Clip, U	297937
18-JF10		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	248874
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295017
		Transformer	295299
		Resistor	295396
		Clip, U	297937

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JF2		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	248874
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295011
		Clip, U	297937
18-JF3		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	248874
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295011
		Clip, U	297937
18-JF4		Volt/Ammeter Selector	
		Insulink (2)	X-367-3
		Insulink	X-367-4
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (2)	248874
		Switch, selector	294701
		Nameplate	294703
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295011
		Clip, U	297937
18-JF5		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	248874
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295011
		Clip, U	297937

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JF8		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	248874
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295014
		Transformer	295302
		Resistor	295396
		Clip, U	297937
18-JF9		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	248874
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295014
		Transformer	295302
		Resistor	295396
		Clip, U	297937
18-JG1		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	297148
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295344
		Clip, U	297937
18-JG10		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	295299
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295017
		Transformer (3)	297148
		Resistor	295396
		Clip, U	297937

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JG2		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	297148
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295011
		Clip, U	297937
18-JG3		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	297148
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295011
		Clip, U	297937
18-JG4		Volt/Ammeter Selector	
		Insulink (2)	X-367-3
		Insulink	X-367-4
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (2)	297148
		Switch, selector	294701
		Nameplate	294703
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295011
		Clip, U	297937
18-JG5		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	297148
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295011
		Clip, U	297937

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JG8		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	295302
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295014
		Transformer	297148
		Resistor	295396
		Clip, U	297937
18-JG9		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	295302
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295339
		Voltmeter	295014
		Transformer (3)	297148
		Resistor	295396
		Clip, U	297937
18-JH1		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	297149
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295344
		Clip, U	297937
18-JH10		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	295299
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295014
		Transformer (3)	297149
		Resistor	295396
		Clip, U	297937

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JH2		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	297149
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295011
		Clip, U	297937
18-JH3		Volt/Ammeter Selector	
		Insulink (3)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	297149
		Switch, selector	294700
		Nameplate	294702
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295011
		Clip, U	297937
18-JH4		Volt/Ammeter Selector	
		Insulink (2)	X-367-3
		Insulink	X-367-4
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (2)	297149
		Switch, selector	294701
		Nameplate	294703
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295011
		Clip, U	297937
18-JH5		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer (3)	297149
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	295340
		Voltmeter	295011
		Clip, U	297937

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JH8		Volt/Ammeter Selector Insulink (3) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer Switch, selector Nameplate Guard, meter Ammeter Voltmeter Transformer Resistor Clip, U	X-367-3 X-6003-36 239049 239050 295302 294700 294702 294705 295340 295014 297149 295396 297937
18-JH9		Volt/Ammeter Selector Terminal Insulink (2) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer Switch, selector Nameplate Guard, meter Ammeter Voltmeter Transformer (3) Resistor Clip, U	X-367-2 X-367-3 X-6003-36 239049 239050 295302 294699 294704 294705 295340 295014 297149 295396 297937
18-JK2		Volt/Ammeter Selector Terminal Insulink (2) Conduit, convoluted Fuse, 2 amp. Holder, fuse Switch, selector Nameplate Guard, meter Ammeter Voltmeter Transformer (3)	X-367-2 X-367-3 X-6003-36 239049 239050 294699 294704 294705 282958 295011 291546
18-JK9		Volt/Ammeter Selector Terminal Insulink (2) Conduit, convoluted Fuse, 2 amp. Holder, fuse Transformer Switch, selector Nameplate Guard, meter Ammeter Voltmeter Transformer (3) Resistor	X-367-2 X-367-3 X-6003-36 239049 239050 295302 294699 294704 294705 282958 295014 291546 295396

Accessories

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JL2		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	282959
		Voltmeter	295011
		Transformer (3)	291547
18-JL9		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	295302
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	282959
		Voltmeter	295014
		Transformer (3)	291547
		Resistor	295396
18-JM2		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	282960
		Voltmeter	295011
		Transformer (3)	291548
18-JM9		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	295302
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	282960
		Voltmeter	295014
		Transformer (3)	291548
		Resistor	295396

Meters Continued

KD-Accessory	Kit Number	Description	Part Number
18-JN2		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	282959
		Voltmeter	295011
18-JN9		Transformer (3)	297675
		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Transformer	295302
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
18-JP2		Ammeter	282959
		Voltmeter	295014
		Transformer (3)	297675
		Resistor	295396
		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
		Switch, selector	294699
18-JP9		Nameplate	294704
		Guard, meter	294705
		Ammeter	282960
		Voltmeter	295011
		Transformer (3)	297676
		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3
		Conduit, convoluted	X-6003-36
		Fuse, 2 amp.	239049
		Holder, fuse	239050
18-JP9		Transformer	295302
		Switch, selector	294699
		Nameplate	294704
		Guard, meter	294705
		Ammeter	282960
		Voltmeter	295014
		Transformer (3)	297676
		Resistor	295396
		Volt/Ammeter Selector	
		Terminal	X-367-2
		Insulink (2)	X-367-3

Accessories

Plant Exercisers

KD-Accessory	Kit Number	Description	Part Number
23-C		Plant Exerciser Shunt, programming	294634
23-D	PA-320233-SD	Plant Exerciser Shunt, programming	294634
23-G	PA-320234-SD	Plant Exerciser Screw, 8-32 (2) Ring, lock Switch, toggle Decal Bracket Nut, captive (2)	X-51-9 151511 268015 294690 294718 298811

Battery Chargers

KD-Accessory	Kit Number	Description	Part Number
24-C	PA-320235-SD	Battery Charger Charger assembly, battery Nut, captive (4)	A-293274 298811
24-D	PA-320236-SD	Battery Charger Charger assembly, battery Nut, captive (4)	A-293295 298811
24-E	PA-320237-SD	Battery Charger Charger assembly, battery Nut, captive (4)	A-293656 298811
24-F	PA-320238-SD	Battery Charger Charger assembly, battery Nut, captive (4)	A-293647 298811
24-H	PA-320240-SD	Battery Charger Charger assembly, battery Nut, captive (4)	A-295087 298811

Manual Switch Operation

KD-Accessory	Kit Number	Description	Part Number
29-P	PA-320247-SD	Toggle Switch Operation Manual Both Directions Switch, pushbutton (2) Contact assembly (2)	294653 298049
29-R	PA-320248-SD	Toggle Switch Operation Manual Both Directions—keyed Switch, 2 position (2) Decal Contact assembly (2)	294656 294688 298049
29-S	PA-320249-SD	Toggle Switch Operation Manual Emergency to Normal Switch, pushbutton Contact assembly	294653 298049
29-T	PA-320250-SD	Toggle Switch Operation Manual Both Directions—keyed Switch, 2 position Decal Contact assembly	294656 294687 298049
29-U	PA-320251-SD	Toggle Switch Operation Manual Both Directions With Auto Manual Switch, pushbutton (2) Switch, 2-position Contact assembly (3)	294653 294655 298049
29-V	PA-320252-SD	Toggle Switch Operation Manual Both Directions With Auto Manual—keyed Switch, pushbutton (2) Switch, 2-position Contact assembly (3)	294653 294655 298049
29-W	PA-320253-SD	Toggle Switch Operation Manual Emergency to Normal With Auto Manual Switch, pushbutton Switch, 2-position Contact assembly (2)	294653 294654 298049
29-X	PA-320254-SD	Toggle Switch Operation Manual Emergency to Normal With Auto Manual—keyed Switch, pushbutton Switch, 2-position Switch, operator	294653 294655 298039

Accessories

Audible Alarms

KD-Accessory	Kit Number	Description	Part Number
31-BA	PA-320255-SD	Audible Alarm 110-220	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Clip, U	297937
		Contact assembly	298047
31-BB	PA-320256-SD	Audible Alarm 190-208	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295354
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810
31-BC	PA-320257-SD	Audible Alarm 220-240	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295355
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810

Audible Alarms Continued

KD-Accessory	Kit Number	Description	Part Number
31-BD	PA-320258-SD	Audible Alarm 380-416	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295301
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810
31-BE	PA-320259-SD	Audible Alarm 440-480	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295302
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810
31-BF	PA-320260-SD	Audible Alarm 550-600	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295299
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810

Accessories

Audible Alarms Continued

KD-Accessory	Kit Number	Description	Part Number
31-DA	PA-320261-SD	Audible Alarm 110-220	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Clip, U	297937
		Contact assembly	298047
31-DB	PA-320262-SD	Audible Alarm 190-208	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295354
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810
31-DC	PA-320263-SD	Audible Alarm 190-208	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295355
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810

Audible Alarms Continued

KD-Accessory	Kit Number	Description	Part Number
31-DD	PA-320264-SD	Audible Alarm 380-416	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295301
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810
31-DE	PA-320265-SD	Audible Alarm 440-480	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295302
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810
31-DF	PA-320266-SD	Audible Alarm 550-600	
		Circuit board assy, 1 relay dry	C-294301
		Washer, lock 8 (4)	X-22-7
		Insulink (4)	X-367-3
		Screw, 6-32 x .500 (2)	X-49-26
		Screw, 8-32 x .750 (2)	X-51-11
		Screw, 8-32 x 1.125 (4)	X-51-2
		Grommet, plastic (4)	X-593-2
		Bushing, nylon	X-634-22
		Fuse, 2 amp. (2)	239049
		Holder, fuse (2)	239050
		Cover, terminal strip	294633
		Switch, 2 position	294654
		Bell, alarm	295149
		Transformer	295299
		Clip, U	297937
		Contact assembly	298047
		Nut, captive (2)	298810

Accessories

Source Monitors - Normal & Emergency

KD-Accessory	Kit Number	Description	Part Number
34-A		In-phase Monitor Shunt, programming	294634
34-J		Normal & Emergency Sensing Shunt, programming	294634
34-Z		Phase Rotation Shunt, programming	294634

Load-Shedding Contacts

KD-Accessory	Kit Number	Description	Part Number
35-N	PA-320267-SD	Load Shed Contacts Circuit board assy., load shed Circuit board assy., 10 relay Screw, 8-32 x 1.125 (6) Grommet, plastic (6) Spacer, fiber (4) Harness, wiring Cover, terminal strip (2) Cover, terminal strip Cable assembly, ribbon Box, cover	C-294495 D-294303 X-51-2 X-593-2 X-712-2 294616 294631 294632 294638 294719

Enclosure Options - Space Heaters

KD-Accessory	Kit Number	Description	Part Number
39-BB1	PA-320268-SD	Strip Heater/Thermostat Insulink (2) Screw, 10-24 x .625 (2) Insulator, panel (2) Holder, fuse (2) Fuse, lamp (2) Thermostat, control Sink, heat Heater, strip Clip, U	X-367-3 X-50-8 233269 239050 239179 295940 297039 297061 297937
39-BB2	PA-320269-SD	Strip Heater/Thermostat Terminal (2) Terminal (2) Insulink Terminal Screw, 10-24 x .625 (2) Insulator, panel (2) Holder, fuse (2) Fuse, lamp (2) Thermostat, control Sink, heat Heater, strip Clip, U	X-283-8 X-283-9 X-367-3 X-431-29 X-50-8 233269 239050 239179 295940 297039 297062 297937

Enclosure Options - Space Heaters Continued

KD-Accessory	Kit Number	Description	Part Number
39-BB3	PA-320270-SD	Strip Heater/Thermostat Insulink Screw, 10-24 x .625 (2) Insulator, panel (2) Holder, fuse (2) Fuse, lamp (2) Thermostat, control Sink, heat Heater, strip Clip, U	X-367-3 X-50-8 233269 239050 239179 295940 297039 297063 297937
39-BC1	PA-320271-SD	Strip Heater/Thermostat Insulink (3) Screw, 10-24 x .625 (2) Insulator, panel (2) Holder, fuse (2) Fuse, lamp (2) Thermostat, control Sink, heat Heater, strip Clip, U	X-367-3 X-50-8 233269 239050 239179 295940 297039 297040 297937
39-BC2	PA-320272-SD	Strip Heater/Thermostat Insulink (3) Screw, 10-24 x .625 (2) Insulator, panel (2) Holder, fuse (2) Fuse, lamp (2) Thermostat, control Sink, heat Heater, strip Clip, U	X-367-3 X-50-8 233269 239050 239179 295940 297039 295937 297937
39-BC3	PA-320273-SD	Strip Heater/Thermostat Insulink Screw, 10-24 x .625 (2) Insulator, panel (2) Holder, fuse (2) Fuse, lamp (2) Thermostat, control Sink, heat Heater, strip Clip, U	X-367-3 X-50-8 233269 239050 239179 295940 297039 297047 297937
39-BD1	PA-320274-SD	Strip Heater/Thermostat Insulink (3) Screw, 10-24 x .625 (6) Insulator, panel (2) Holder, fuse (2) Fuse, lamp (2) Thermostat, control Sink, heat Heater, strip Transformer Clip, U	X-367-3 X-50-8 233269 239050 239179 295940 297039 295936 297048 297937

Accessories

Enclosure Options - Space Heaters Continued

KD-Accessory	Kit Number	Description	Part Number
39-BD2	PA-320275-SD	Strip Heater/Thermostat	
		Insulink	X-367-3
		Terminal	X-431-25
		Screw, 10-24 x .625 (6)	X-50-8
		Insulator, panel (2)	233269
		Holder, fuse (2)	239050
		Fuse, lamp (2)	239179
		Thermostat, control	295940
		Sink, heat	297039
		Heater, strip	295938
		Transformer	297048
		Clip, U	297937
39-BD3	PA-320276-SD	Strip Heater/Thermostat	
		Insulink	X-367-3
		Screw, 10-24 x .625 (6)	X-50-8
		Insulator, panel (2)	233269
		Holder, fuse (2)	239050
		Fuse, lamp (2)	239179
		Thermostat, control	295940
		Sink, heat	297039
		Heater, strip	295939
		Transformer	297048
		Clip, U	297937
39-BE1	PA-320277-SD	Strip Heater/Thermostat	
		Insulink (3)	X-367-3
		Screw, 10-24 x .625 (6)	X-50-8
		Insulator, panel (2)	233269
		Holder, fuse (2)	239050
		Fuse, lamp (2)	239179
		Thermostat, control	295940
		Sink, heat	297039
		Heater, strip	295936
		Transformer	297048
		Clip, U	297937
39-BE2	PA-320278-SD	Strip Heater/Thermostat	
		Insulink	X-367-3
		Screw, 10-24 x .625 (6)	X-50-8
		Insulator, panel (2)	233269
		Holder, fuse (2)	239050
		Fuse, lamp (2)	239179
		Thermostat, control	295940
		Sink, heat	297039
		Heater, strip	295938
		Transformer	297048
		Clip, U	297937

Enclosure Options - Space Heaters Continued

KD-Accessory	Kit Number	Description	Part Number
39-BF1	PA-320279-SD	Strip Heater/Thermostat	
		Insulink (3)	X-367-3
		Screw, 10-24 x .625 (6)	X-50-8
		Insulator, panel (2)	233269
		Holder, fuse (2)	239050
		Fuse, lamp (2)	239179
		Thermostat, Control	295940
		Sink, heat	297039
		Heater, strip	295936
		Transformer	297331
		Clip, U	297937
39-BF1	PA-320280-SD	Strip Heater/Thermostat	
		Insulink	X-367-3
		Screw, 10-24 x .625 (6)	X-50-8
		Insulator, panel (2)	233269
		Holder, fuse (2)	239050
		Fuse, lamp (2)	239179
		Thermostat, control	295940
		Sink, heat	297039
		Heater, strip	295938
		Transformer	297331
		Clip, U	297937

Remote Connections

KD-Accessory	Kit Number	Description	Part Number
	PA-294862-SD	M340 Monitor Software Software, host computer	294862
	PA-294863-SD	Personal Computer Adaptor, RS-232 to RS-485 Converter assembly Resistor, 120 ohm, 1/4 w Cable, RS-232 Connector	A-320302 X-6058-27 294981 294988
	PA-294864-SD	External Personal Computer Modem Cable, RS-232 Modem Connector	294981 294986 294988
	PA-295865-SD	External M340 ATS Modem Cable, RS-232 Modem	294982 294987
51-A	PA-294866-SD	Remote Communication, RS-485 Direct Connection Circuit board assy., ATS RS-485 Spacer (4) Cable assembly, ribbon Box, cover	B-294499 X-712-8 294638 294719
51-B	PA-294867-SD	Remote Communication, RS-232 Modem Connection Circuit board assy., ATS RS-232 Spacer (4) Cable assembly, ribbon Box, cover	B-294501 X-712-8 294638 294719
	PA-294911-SD	ATS Adaptor, RS-232 to RS-485 Converter assembly Resistor, 120 ohm, 1/4 w	A-320302 X-6058-27

Accessories

Remote Connections Continued

KD-Accessory	Kit Number	Description	Part Number
		PC Cable for direct connection	
		Cable, RS-232	294981
		Connector	294988
		ATS FASTCHECK®	
		Circuit board assembly	A-294609
		Adapter, quick check	B-294825
		Screw, phillips hex. (4)	X-6216-1
		Spacer	X-712-8
		Box, cover	294821
		Panel	294822
		Decal	294823
		Cable assembly, ribbon	294838
		Cable assembly, ribbon (2)	294839

Extender Harnesses

KD-Accessory	Kit Number	Description	Part Number
	PA-294731-SD	Extender Harness 2 1/2 feet	
		Harness, wiring	294731
	PA-294732-SD	Extender Harness 5 feet	
		Harness, wiring	294732
	PA-294733-SD	Extender Harness 10 feet	
		Harness, wiring	294733
	PA-294734-SD	Extender Harness 20 feet	
		Harness, wiring	294734

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MP-5503 6/93a

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