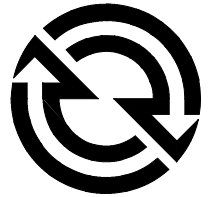


PARTS CATALOG

SPECTRUM™

DETROIT DIESEL



Transfer Switches

Models:

SATS

Automatic Transfer Switches

Nonautomatic Transfer Switches

Automatic Transfer & Bypass-Isolation Switches

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".

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

3. Locate the NEMA Type 1 section in Enclosures.
4. Locate 150 amperage column.
5. 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.

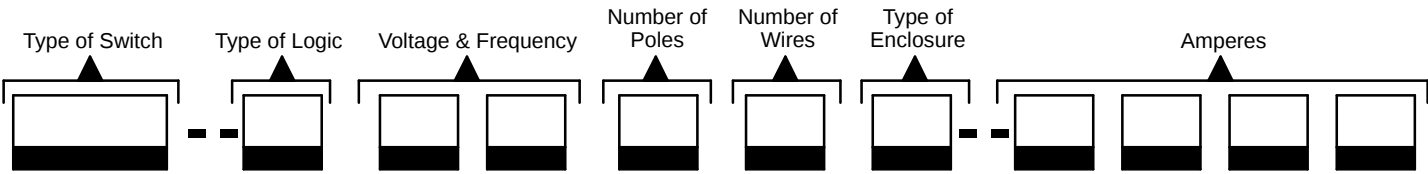
Consult Factory

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

N7650 County Trunk LS, Sheboygan, WI 53081 U.S.A.
Telephone (414) 565-3381.

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

SAMPLE MODEL NUMBER

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.

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**

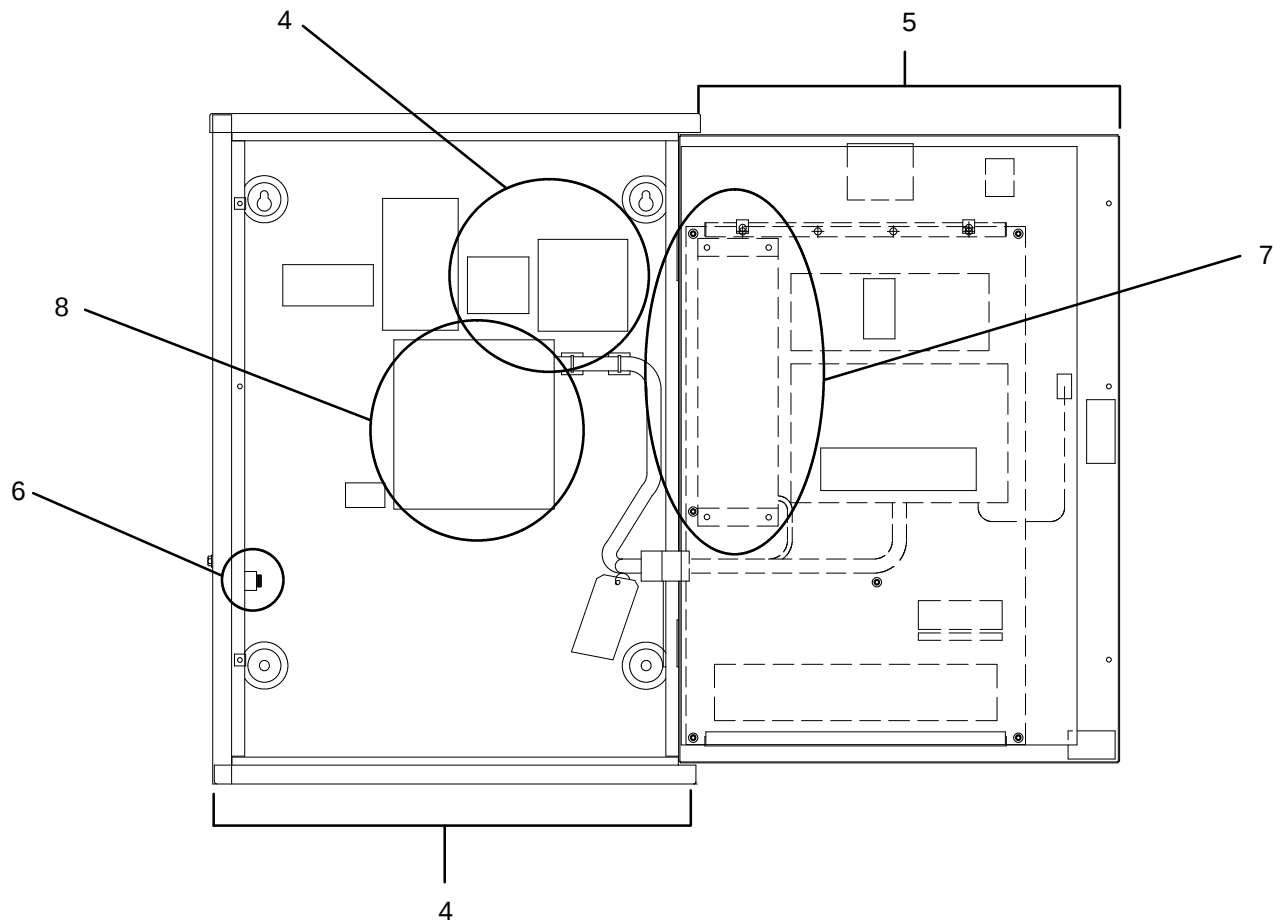
Amperes

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.

** C.S.A. versions available up to 2000 amperes.

Transfer Switch Breakdown



BA-295000

- 4 Enclosure (includes Decals)
- 5 Inner Panel
- 6 Neutral Lug
- 7 Transformer
- 8 Contactor Use MP-5645

Figure 1. Transfer Switch Breakdown

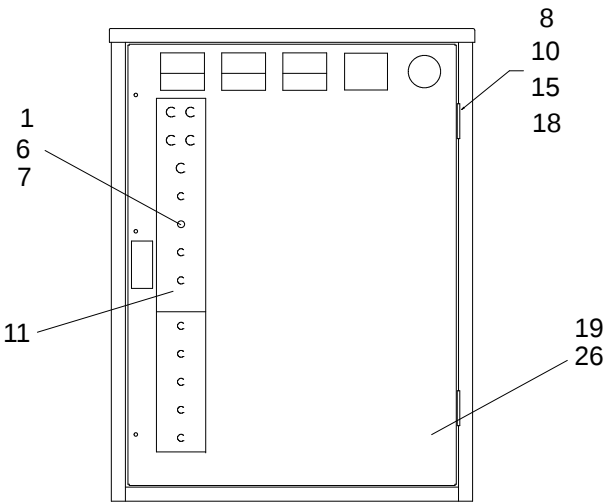
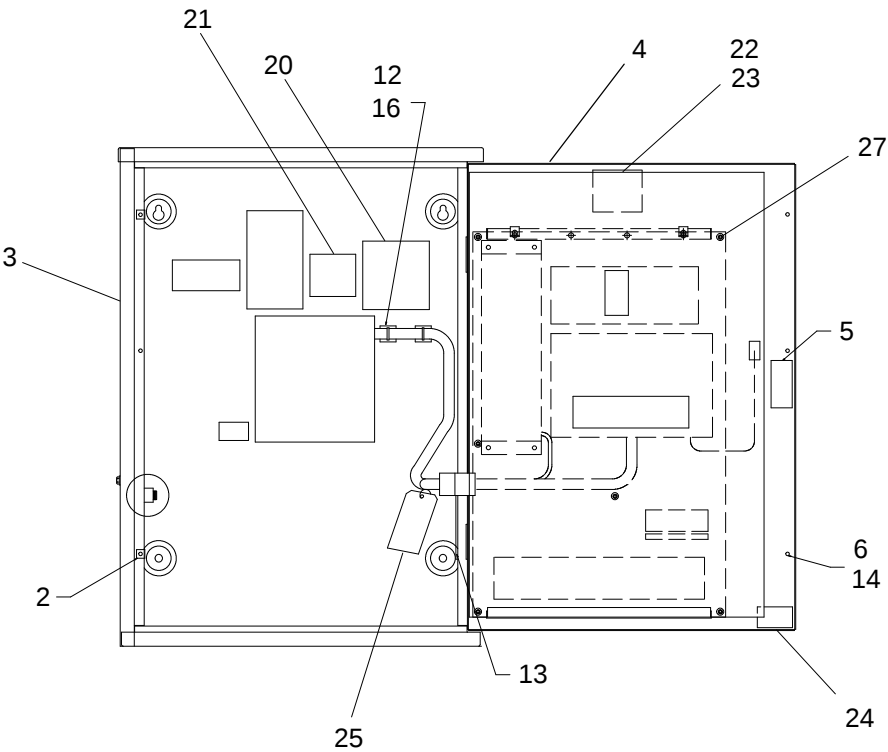
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Open, 30-4000 Amps.

Enclosures

Item	Description	Part Number
		30-4000 Amps.
1	Ring, switch lock	151511
2	Switch, toggle	295068

Note: Items are shipped loose.

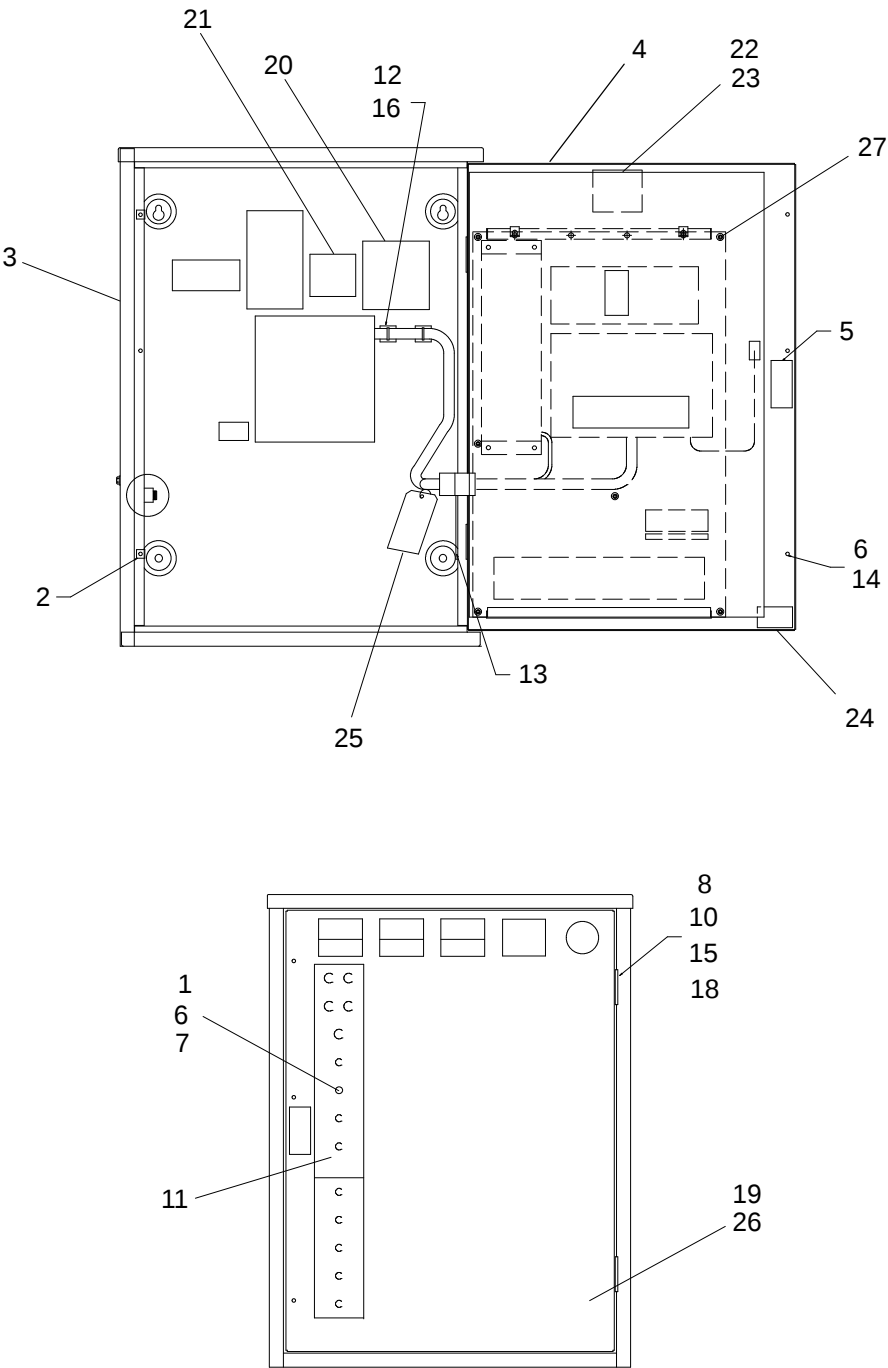


Automatic, NEMA Type 1, 30-800 Amps.

Enclosures

Item	Description	Part Number		
		30-150 Amp.	225-400 Amp.	600-800 Amp.
1	Ring, lock	151511	151511	151511
2	Clip, speed	257442 (2)	257442 (2)	X-6220-1 (2)
3	Enclosure, transfer	294318	294306	295015
4	Door, enclosure	294322	294310	294291
5	Latch, locking	295004	295004	295004
6	Retainer	295010 (2)	295010 (2)	295009 (2)
7	Switch, toggle	295068	295068	295068
8	Screw, flat head machine	295098 (8)	295098 (8)	295098 (8)
9	Key (Item not shown)	296235	296235	296235
10	Hinge, split	297600 (2)	297600 (2)	297600 (3)
11	Decal	297938	297938	297938
12	Base, tie wrap	298776 (2)	298776 (2)	298776 (2)
13	Envelope, instruction	298777	298777	298777
14	Screw, H.C. #10-24 x 1.75	X-117-4 (2)	X-117-4 (2)	X-465-10 (2)
15	Washer, plain, .220 x .438 x .047	X-25-7 (4)	X-25-7 (4)	X-25-7 (6)
16	Tie, cable	X-468-1 (6)	X-468-1 (6)	X-468-1 (8)
17	Screw, R.H.M. 8-32x1/2 (Item not shown)	X-51-15	X-51-15	X-51-15
18	Nut, hex, 10-24	X-70-2 (4)	X-70-2 (4)	X-70-2 (6)
19	Decal, Transfer Switch	X-6303-1	X-6303-1	X-6303-1
20	Decal, notice	294414	294414	294414
21	Decal, contactor	294602	294602	294602
22	Nameplate	320657	320657	320657
23	Nameplate, serial no.	295392 (4)	295392 (4)	295392 (4)
24	Decal, UL	320660	320660	320660
25	Tag, hang	297949	297949	297949

Common hardware, procure locally



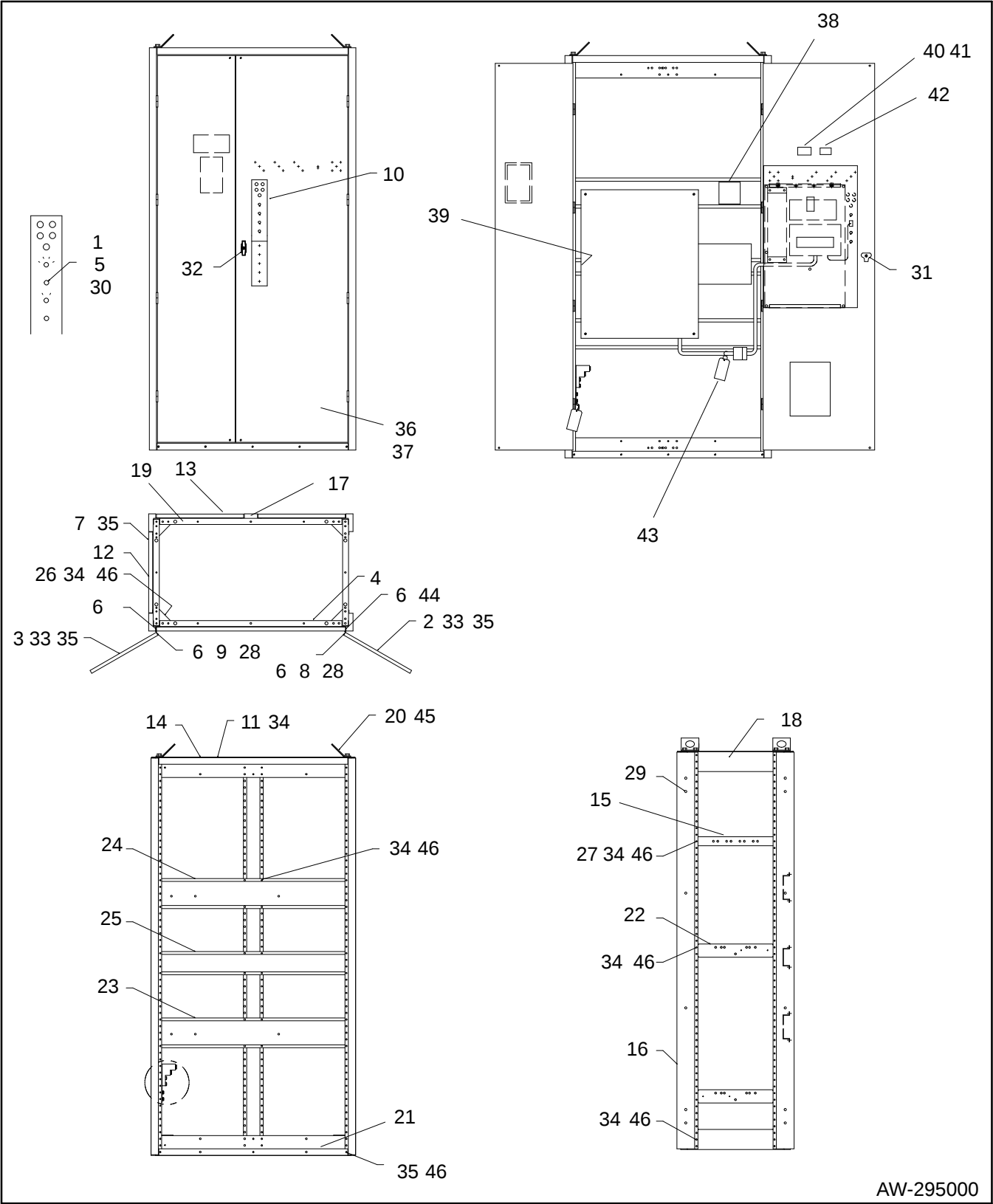
Automatic, NEMA Type 1, 30-800 Amps.

Enclosures

Item	Description	Part Number		
		30-150 Amp.	225-400 Amp.	600-800 Amp.
26	Decal, Spectrum	X-6301-3	X-6301-3	X-6301-3
27	Washer, #10 lock	# (12)	# (18)	# (18)
28	Screw, hex nut, 8-32 (Item not shown)	#	#	#

Enclosures

**Automatic,
NEMA Type 1, 1000-1200 Amps.**



AW-295000

Automatic, NEMA Type 1, 1000-1200 Amps.

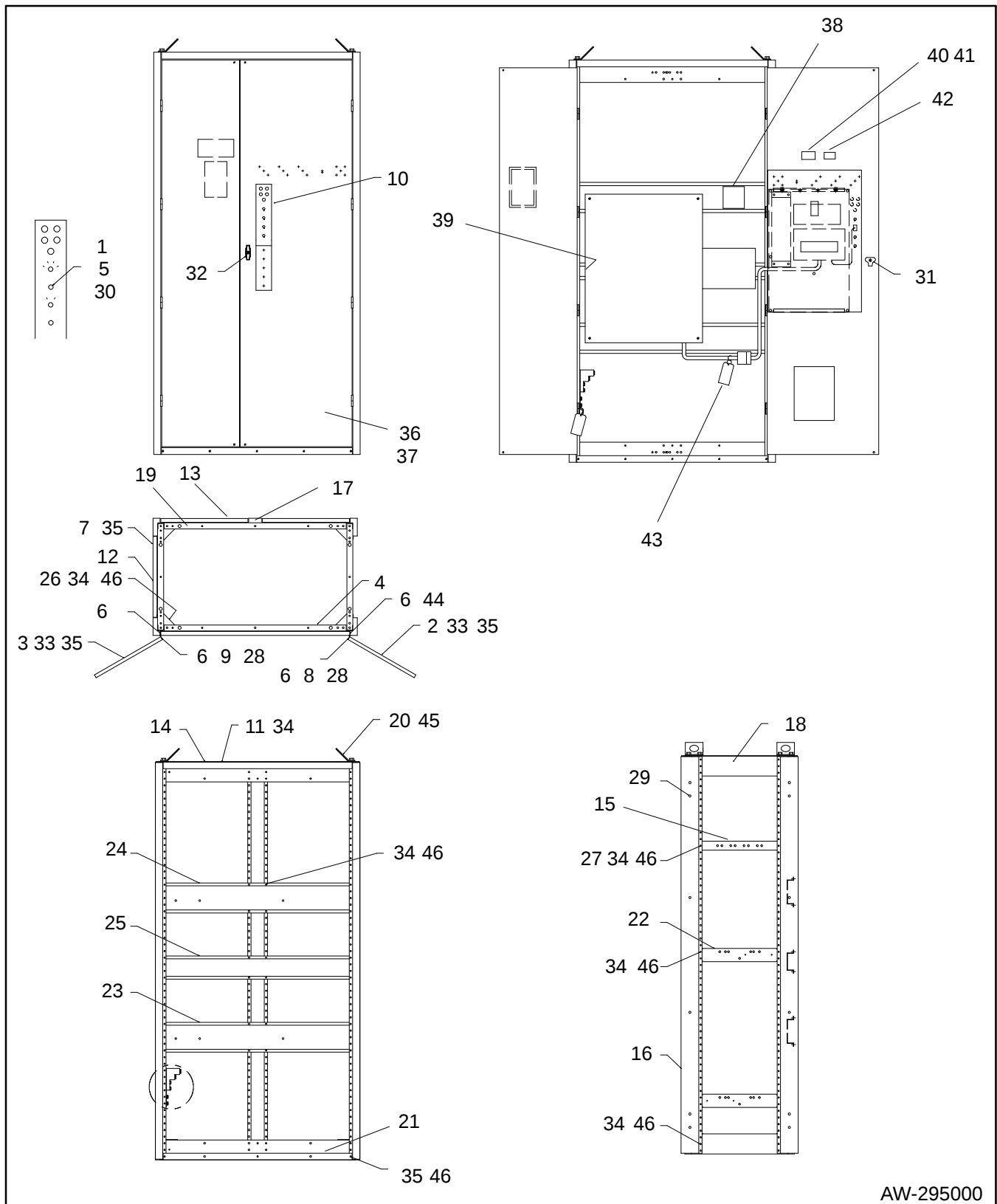
Enclosures

Item	Description	Part Number
		1000-1200 Amp.
1	Ring, lock	151511
2	Door, right	294288
3	Door, left	294334
4	Channel, front, top, back	294335 (2)
5	Switch, toggle	295068
6	Screw, flat head machine	295098 (32)
7	Clip, speed	297596 (48)
8	Hinge, split	297600 (4)
9	Hinge, split	297601 (4)
10	Decal	297938
11	Clip, speed	297952 (12)
12	Panel, side	298349 (4)
13	Panel, back	298350 (4)
14	Plate, top	298352
15	Bus, ground	298424
16	Channel, corner	298425 (4)
17	Channel center vertical	298427
18	Channel, top & bottom	298429 (4)
19	Channel, top & bottom	298430 (2)
20	Bracket, lifting	298433 (8)
21	Panel, spacer	298434
22	Channel, 3" side	298437 (3)
23	Bracket, bottom mounting	298440
24	Bracket, top mounting	298441
25	Bracket, support	298443
26	Brace, corner	298722 (4)
27	Washer, lock 1/4	X-22-11 (2)
28	Washer, plain, .220 x .438 x .047	X-25-7 (12)
29	Button, plug	X-301-23 (24)
30	Tie, cable	X-468-1 (4)
31	Tie, cable	X-468-2

Common hardware, procure locally

Enclosures

Automatic, NEMA Type 1, 1000-1200 Amps.



Automatic, NEMA Type 1, 1000-1200 Amps.

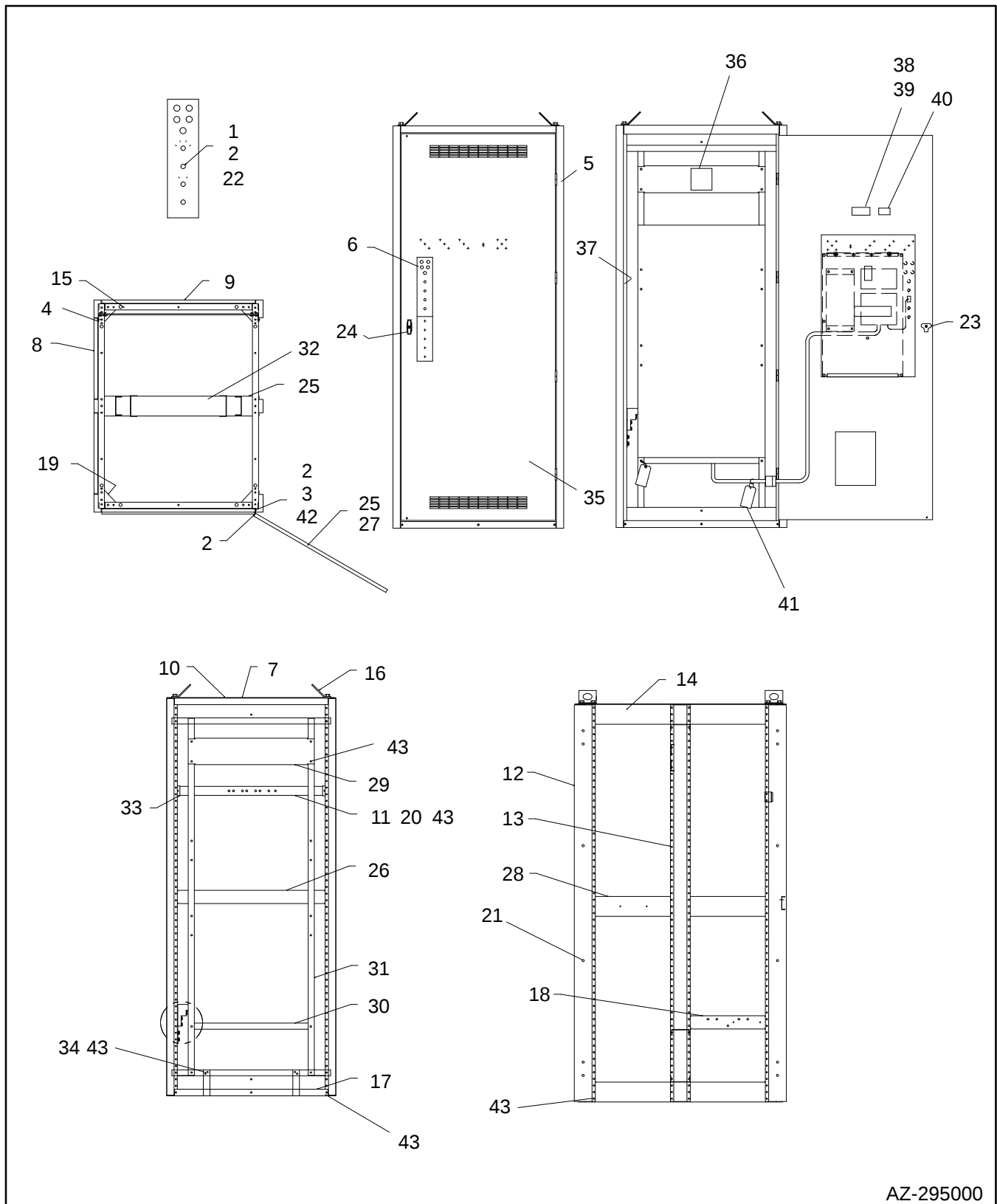
Enclosures

Item	Description	Part Number
		1000-1200 Amp.
32	Latch, T-handle	X-6132-4
33	Retainer, nut	X-6204-1 (4)
34	Screw, hex washer, 1/4-20 x .75	X-791-2(148)
35	Screw, hex washer, 1/4-20 x 1.5	X-791-3 (61)
36	Decal, Spectrum	X-6301-1
37	Decal, Transfer Switch	X-6303-1
38	Decal, notice	294414
39	Decal, contactor	294602
40	Nameplate	320657
41	Nameplate, serial no.	295392 (4)
42	Decal, UL	320660
43	Tag, hang	297949
44	Nut, hex, 10-24	# (48)
45	3/8-16 Hardware	# (8)
46	Nut, 1/4-20	#(141)

Common hardware, procure locally

Enclosures

Automatic, NEMA Type 1, 1600-2000 Amps.



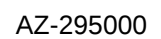
AZ-295000

Automatic, NEMA Type 1, 1600-2000 Amps.

Enclosures

Item	Description	Part Number
		1600-2000
1	Ring, lock	151511
2	Switch, toggle	295068
3	Screw, flat head machine	295098 (24)
4	Clip, speed	297596 (60)
5	Hinge, split	297600 (4)
6	Decal	297938
7	Clip, speed	297952 (12)
8	Panel, side	298349 (8)
9	Panel, back	298351 (3)
10	Plate, top	298448
11	Bus, ground	298446
12	Channel, corner	298425 (4)
13	Channel center vertical	298427 (2)
14	Channel, top & bottom	298431 (4)
15	Channel, top & bottom	298432 (4)
16	Bracket, lifting	298433 (8)
17	Panel, spacer	298438
18	Channel, 3" side	298437
19	Brace, corner	298722 (4)
20	Washer, lock, 1/4	X-22-11 (8)
21	Button, plug	X-301-23 (24)
22	Tie, cable	X-468-1 (4)
23	Tie, cable	X-468-2
24	Latch, T-handle	X-6132-4
25	Retainer, nut	X-6204-1 (2)
26	Channel, front & back	261836
27	Door	294295
28	Channel, side	298426 (2)
29	Channel	298428
30	Support	298442
31	Channel, vertical	298444 (2)
32	Channel, crossmember	298445 (2)

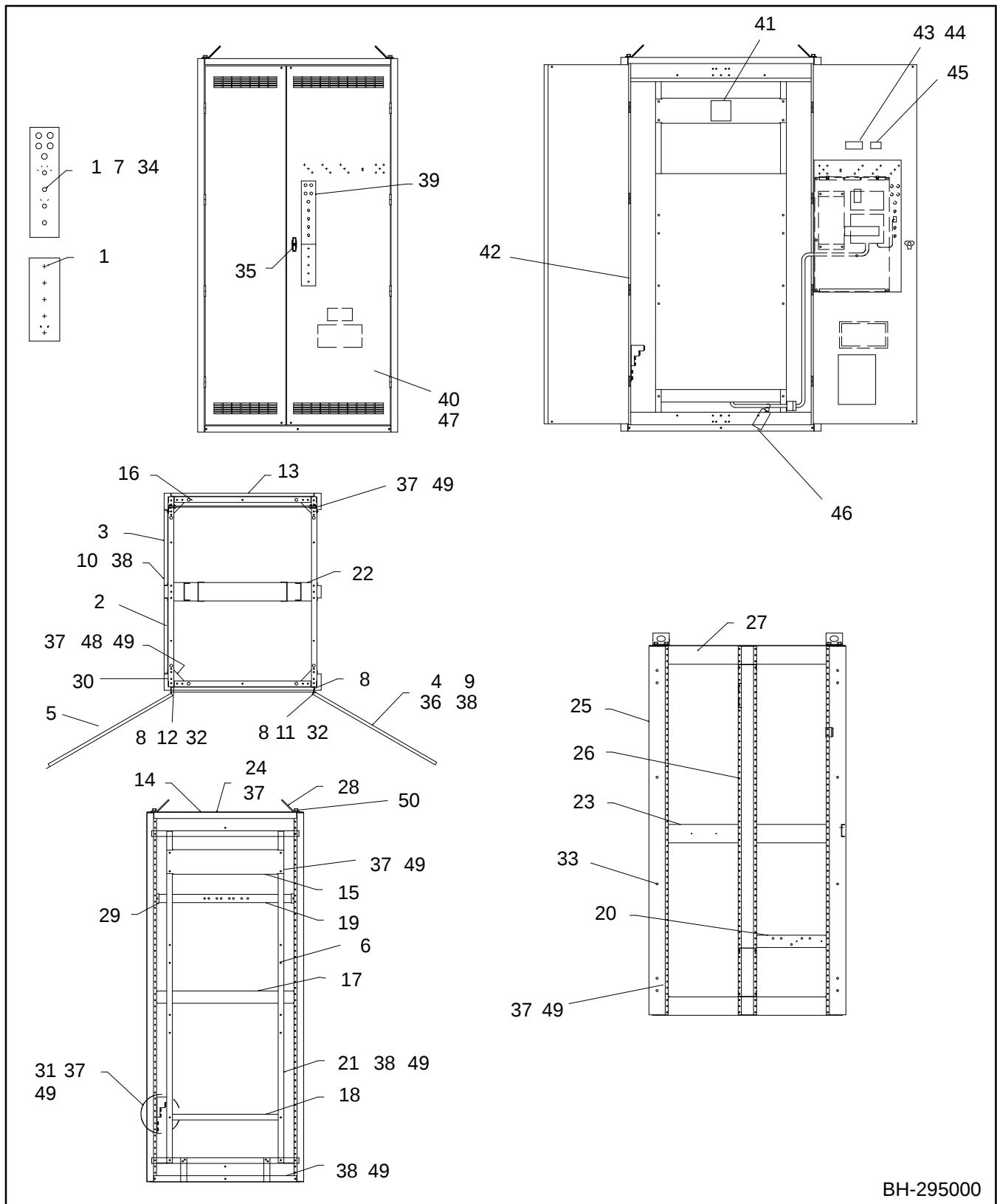
**Automatic,
NEMA Type 1, 1600-2000 Amps.**



Automatic, NEMA Type 1, 1600-2000 Amps.

Enclosures

Item	Description	Part Number
		1600-2000
33	Bracket, mounting	298447 (2)
34	Support, channel	298784 (2)
35	Decal, Spectrum	X-6301-1
36	Decal, notice	294414
37	Decal, contactor	294602
38	Nameplate	320657
39	Nameplate, serial no.	295392
40	Decal, UL	320660
41	Tag, hang	297949
42	Nut, hex, 10-24	# (24)
43	Nut, 1/4-20	#(185)

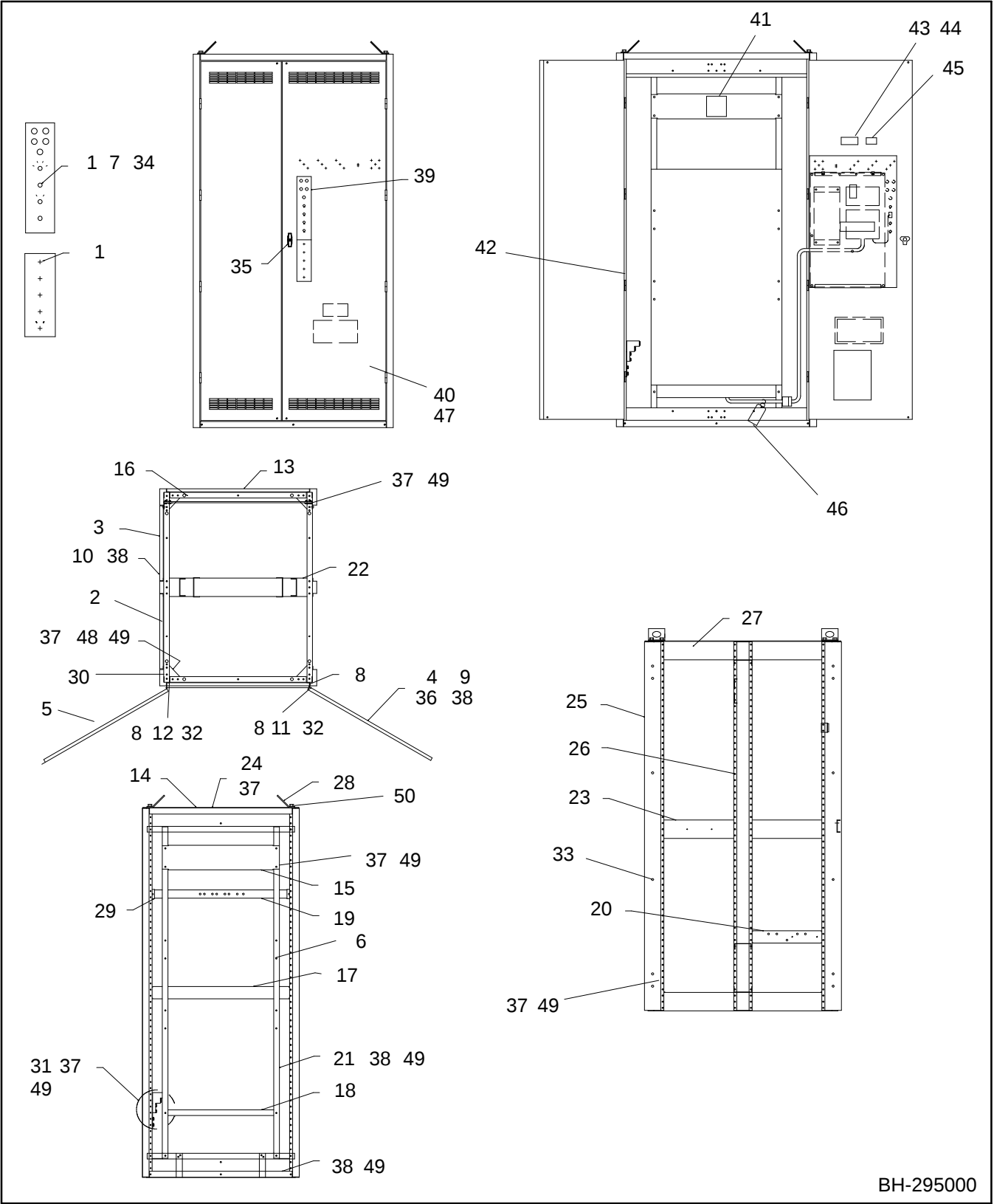


BH-295000

Automatic, NEMA Type 1, 3000-4000 Amps.

Enclosures

Item	Description	Part Number	
		3000 Amp.	4000 Amp.
1	Ring, lock	151511	151511
2	Panel, side	261793 (4)	261793 (4)
3	Panel, side	262593 (4)	262593 (4)
4	Door, right	294344	294344
5	Door, left	294345	294345
6	Channel, vertical	294413 (2)	294413 (2)
7	Switch, toggle	295068	295068
8	Screw, flat head machine	295098 (32)	295098 (32)
9	Retainer	295009 (4)	295009 (4)
10	Clip, speed	297596 (60)	297596 (60)
11	Hinge, split	297600 (4)	297600 (4)
12	Hinge, split	297601 (4)	297601 (4)
13	Panel, back	297737 (3)	297737 (3)
14	Plate, top	297738	297738
15	Channel	297739	297740
16	Channel, top & bottom	297743 (4)	297743 (4)
17	Channel, front & back	297744 (2)	297744 (2)
18	Panel, spacer	297745	297745
19	Bus, ground	297747	297747
20	Channel, side	297749	297749
21	Support, angle	297750	297751
22	Channel, crossmember	297752 (2)	297746 (2)
23	Channel, side	297753 (2)	297753 (2)
24	Clip, speed	297952 (12)	297952 (12)
25	Channel, corner	298425 (4)	298425 (4)
26	Channel center vertical	298427 (2)	298427 (2)
27	Channel, top & bottom	298431 (4)	298431 (4)
28	Bracket, lifting	298433 (8)	298433 (8)
29	Bracket, mounting	298447 (2)	298447 (2)
30	Brace, corner	298722 (4)	298722 (4)
31	Support, channel	298784 (2)	298784 (2)
32	Washer, plain, .220 x .438 x .047	X-25-7 (12)	X-25-7 (12)



BH-295000

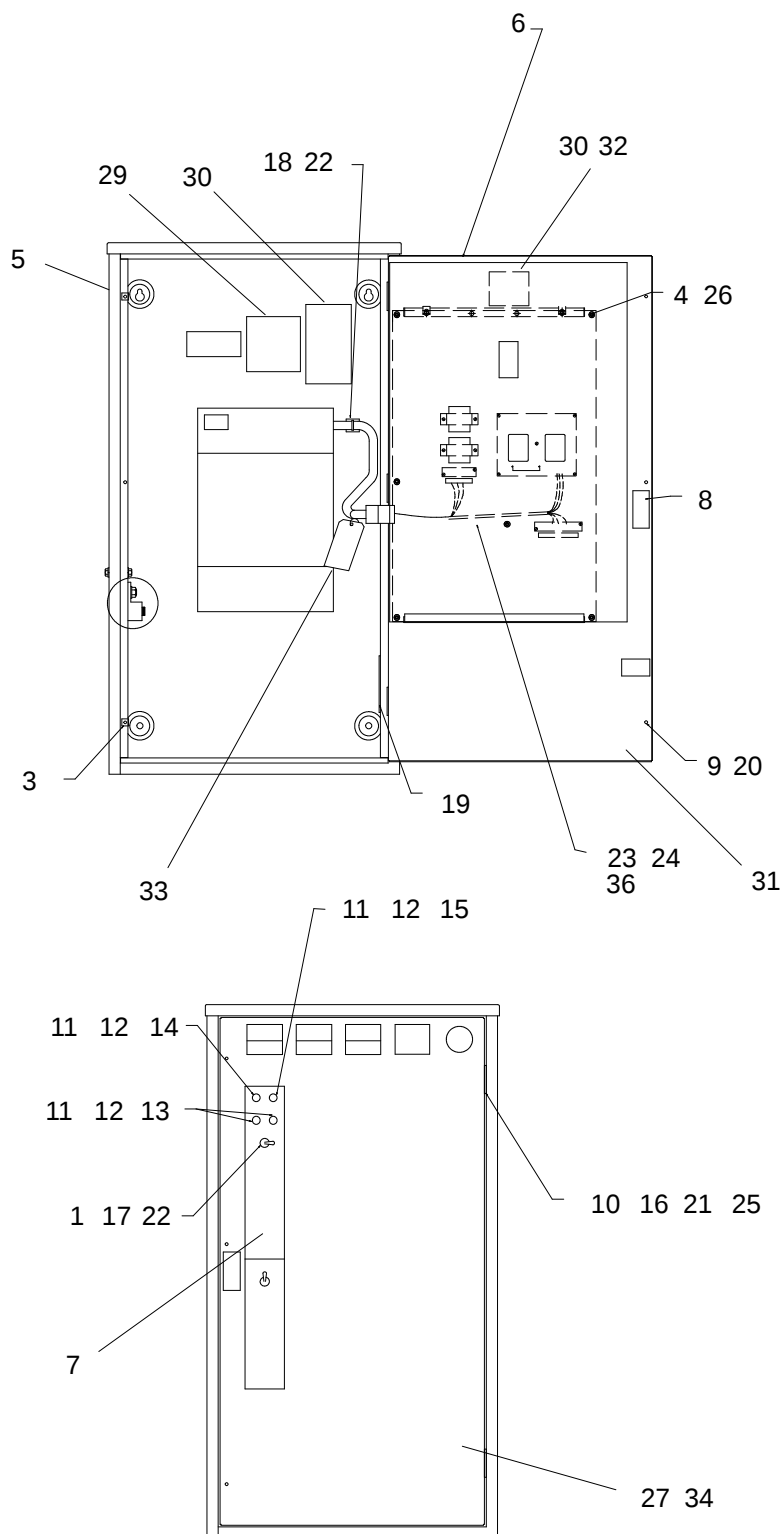
Automatic, NEMA Type 1, 3000-4000 Amps.

Enclosures

Item	Description	Part Number	
		3000 Amp.	4000 Amp.
33	Button, plug	X-301-23 (24)	X-301-23 (24)
34	Tie, cable	X-468-1 (4)	X-468-1 (4)
35	Latch, T-handle	X-6132-4	X-6132-4
36	Retainer, nut	X-6204-1 (4)	X-6204-1 (4)
37	Screw, hex washer, 1/4-20 x .75	X-791-2(179)	X-791-2(179)
38	Screw, hex washer, 1/4-20 x 1.5	X-791-3 (69)	X-791-3 (69)
39	Decal	297938	297938
40	Decal, Transfer Switch	X-6303-1	X-6303-1
41	Decal, notice	294414	294414
42	Decal, contactor	294602	294602
43	Nameplate	320657	320657
44	Nameplate, serial no.	295392 (4)	295392 (4)
45	Decal, UL	320660	320660
46	Tag, hang	297949	297949
47	Decal, Spectrum	X-6301-1	X-6301-1
48	Nut, 10-24	# (48)	# (48)
49	Nut, 1/4-20	#(179)	#(179)
50	Hardware, 3/8-16	# (8)	# (8)

Enclosures

Nonautomatic, NEMA Type 1, 30-800 Amps.



BG-295000

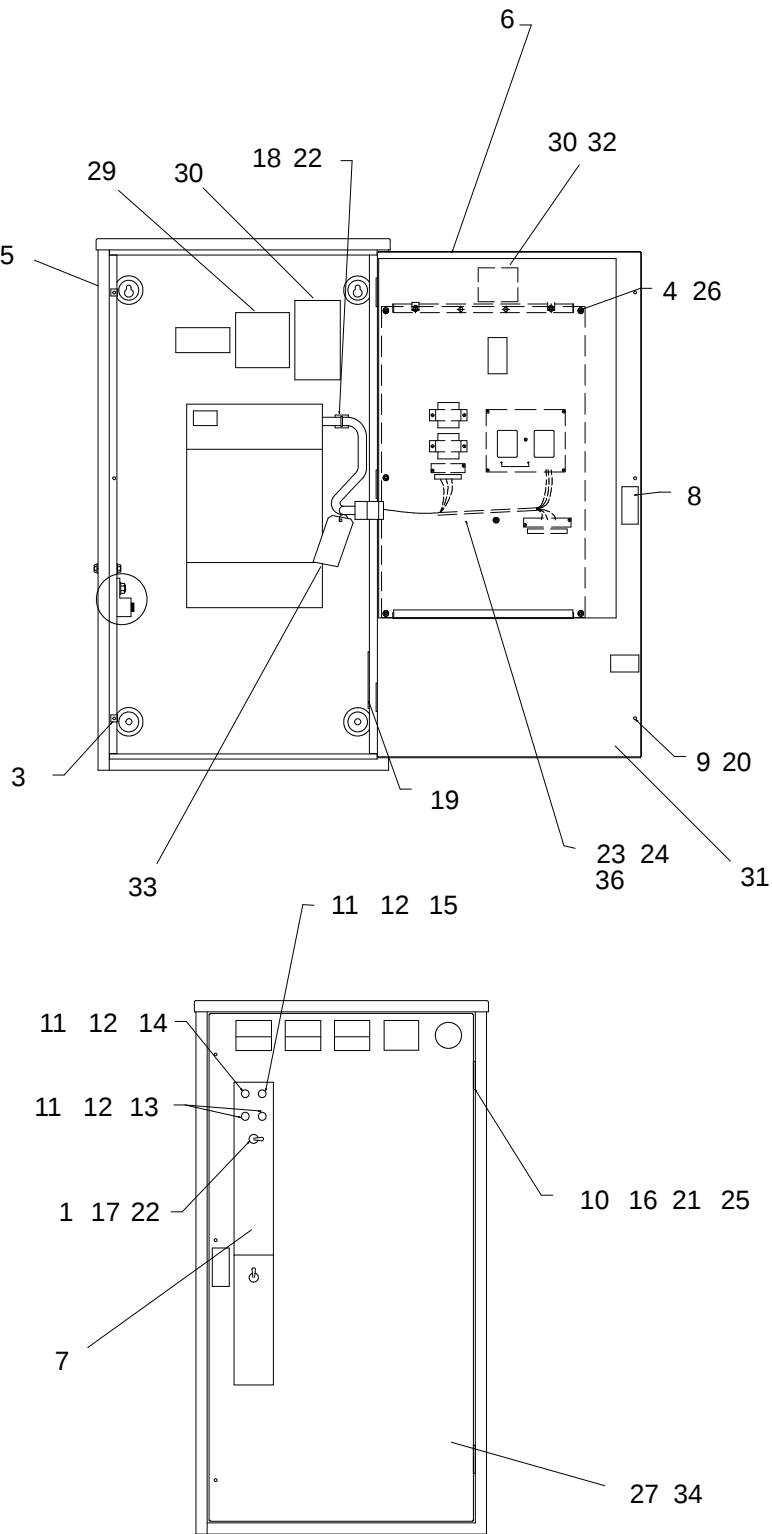
Nonautomatic, NEMA Type 1, 30-800 Amps.

Enclosures

Item	Description	Part Number		
		30-150 Amps.	225-400 Amps.	600-800 Amps.
1	Ring, lock	151511	151511	151511
2	Terminal, adapter (Item not shown)	233704 (2)	233704 (2)	233704 (2)
3	Clip, speed	257442 (2)	257442 (2)	X-6220-1 (2)
4	Spacer, .281 x. 500 x. 375	265861 (6)	265861 (6)	265861 (6)
5	Enclosure, transfer	294318	294306	295015
6	Door, enclosure	294322	294310	294291
7	Decal	294340	294340	294340
8	Latch, locking	295004	295004	295004
9	Retainer	295010 (2)	295010 (2)	295009 (2)
10	Screw, flat head machine	295098 (8)	295098 (8)	295098 (12)
11	Lamp	295324 (4)	295324 (4)	295324 (4)
12	Lamp, socket	295325 (4)	295325 (4)	295325 (4)
13	Lens	295326 (2)	295326 (2)	295326 (2)
14	Lens	295327	295327	295327
15	Lens	295328	295328	295328
16	Hinge, split	297600 (2)	297600 (2)	297600 (3)
17	Switch, toggle	297680	297680	297680
18	Base, tie wrap	298776 (4)	298776 (4)	298776 (4)
19	Envelope, instructions	298777	298777	298777
20	Screw, H.C. #10-24 x 1.75	X-117-4 (2)	X-117-4 (2)	X-465-10 (2)
21	Washer, plain, .220 x .438 x .047	X-25-7 (4)	X-25-7 (4)	X-25-7 (6)
22	Tie, cable	X-468-1 (8)	X-468-1 (8)	X-468-1 (8)
23	Tie	X-468-3	X-468-3	X-468-3
24	Screw, R.H.M. 8-32 x1/2	X-51-15	X-51-15	X-51-15
25	Nut, hex, 10-24	X-70-2 (4)	X-70-2 (4)	X-70-2 (6)
26	Nut, hex, 1/4-20	X-76-2 (6)	X-76-2 (6)	X-76-2 (6)
27	Decal, Transfer Switch	X-6303-1	X-6303-1	X-6303-1
28	Decal, notice	294414	294414	294414
29	Decal, contactor	294602	294602	294602

Enclosures

**Nonautomatic,
NEMA Type 1, 30-800 Amps.**



BG-295000

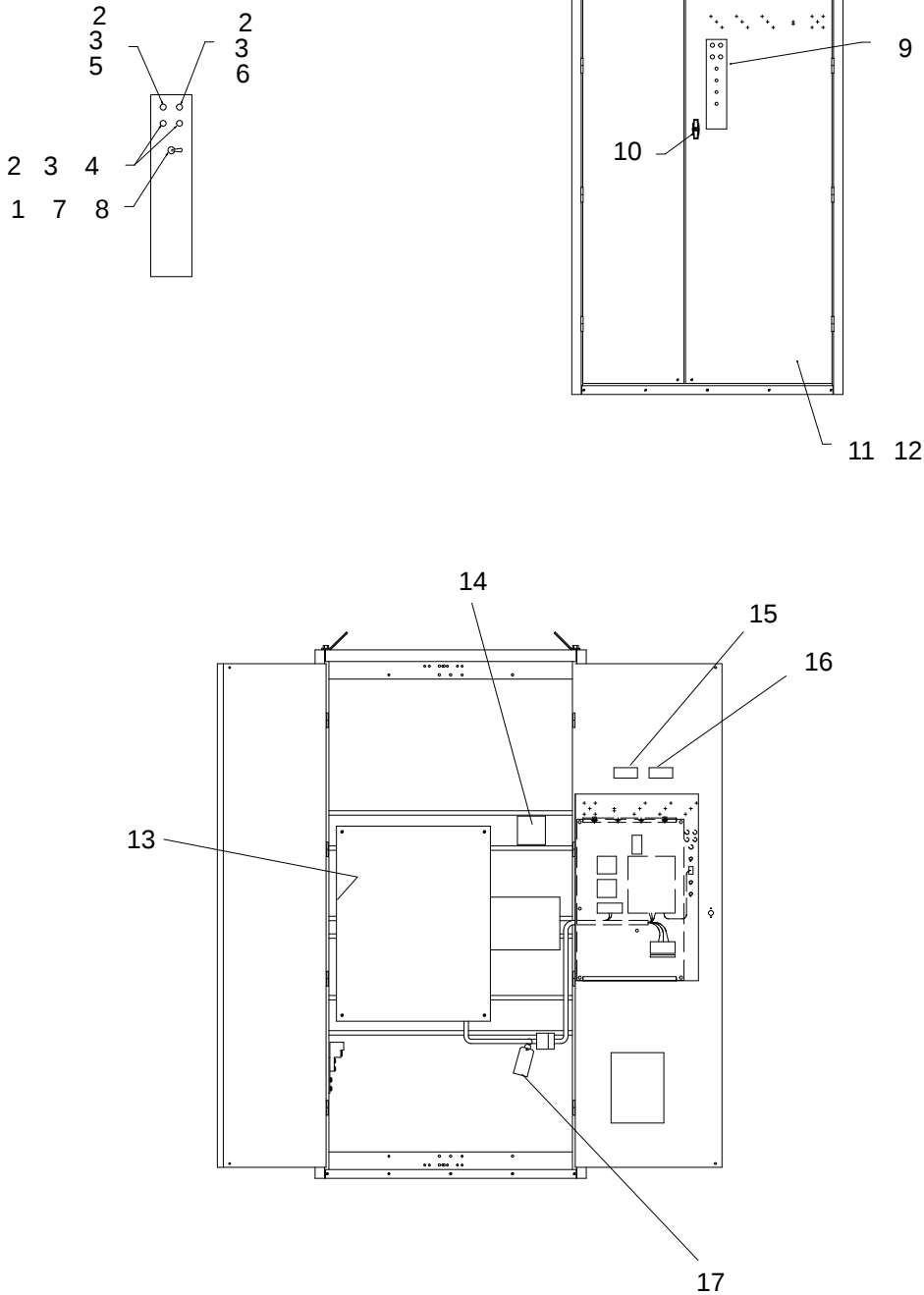
Nonautomatic, NEMA Type 1, 30-800 Amps.

Enclosures

Item	Description	Part Number		
		30-150 Amps.	225-400 Amps.	600-800 Amps.
30	Nameplate, serial no.	295392 (4)	295392 (4)	295392 (4)
31	Decal, UL	320661	320661	320661
32	Nameplate	320658	320658	320658
33	Tag, hang	297949	297949	297949
34	Decal, Spectrum	X-6301-3	X-6301-3	X-6301-3
35	Key (Item not shown)	296235	296235	296235
36	Nut, hex, 8-32	#	#	#

Enclosures

**Nonautomatic,
NEMA Type 1, 1000-1200 Amps.**



BF-295000

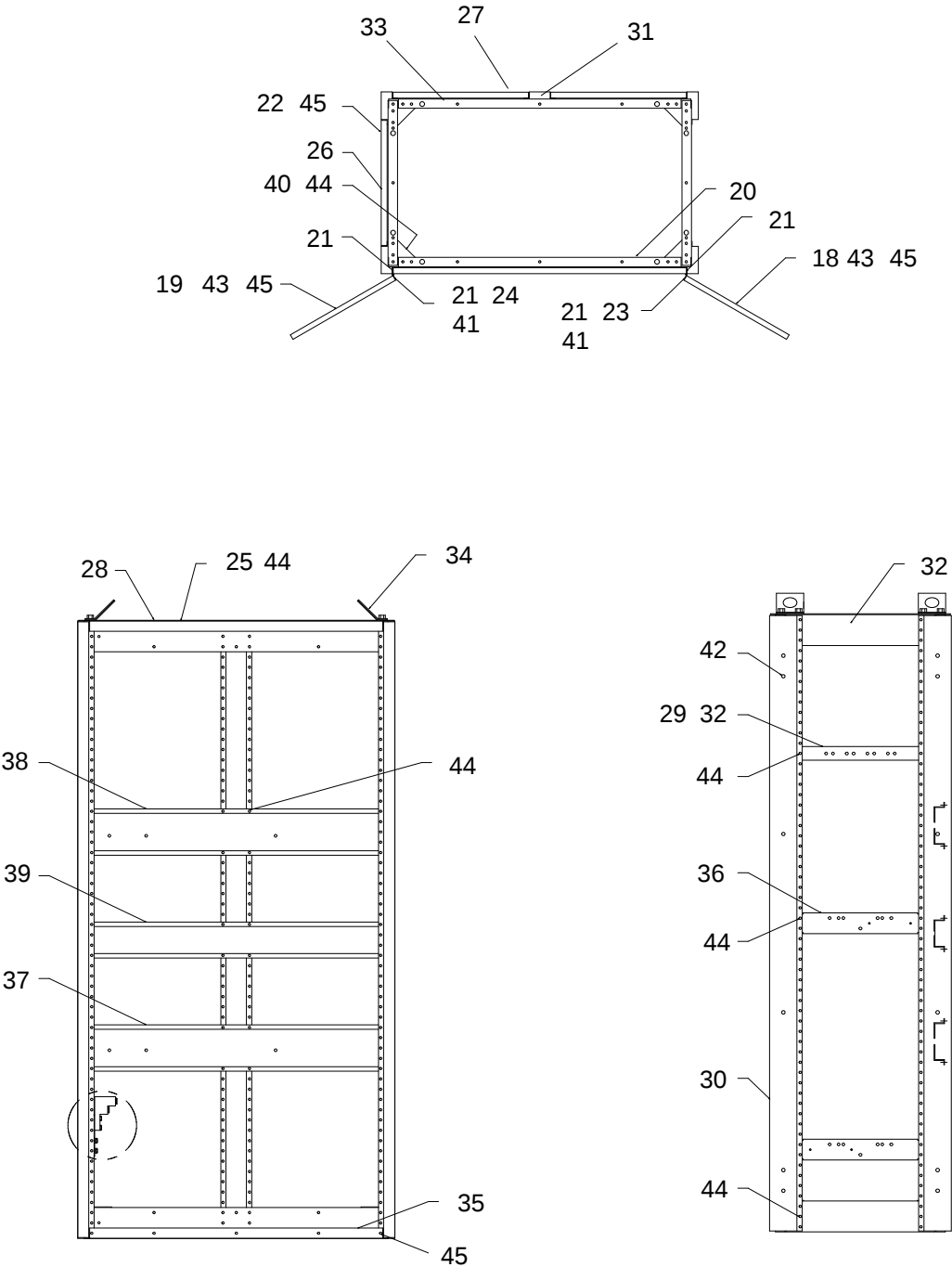
Nonautomatic, NEMA Type 1, 1000-1200 Amps.

Enclosures

Item	Description	Part Number	
		1000-1200 Amps.	
1	Ring, lock	151511	
2	Lamp	295324	(4)
3	Lamp, socket	295325	(4)
4	Lens, white	295326	(2)
5	Lens, green	295327	
6	Lens, red	295328	
7	Switch, toggle	297680	
8	Tie, cable	X-468-1	(4)
9	Decal	294340	
10	Latch, T-handle	X-6132-4	
11	Decal, Transfer Switch	X-6303-1	
12	Decal, Spectrum	X-6301-1	
13	Decal, contactor	294602	
14	Decal, notice	294414	
15	Nameplate, serial no.	295392	(4)
16	Decal, UL	320661	
17	Tag, hang	297949	

Enclosures

**Nonautomatic,
NEMA Type 1, 1000-1200 Amps.**

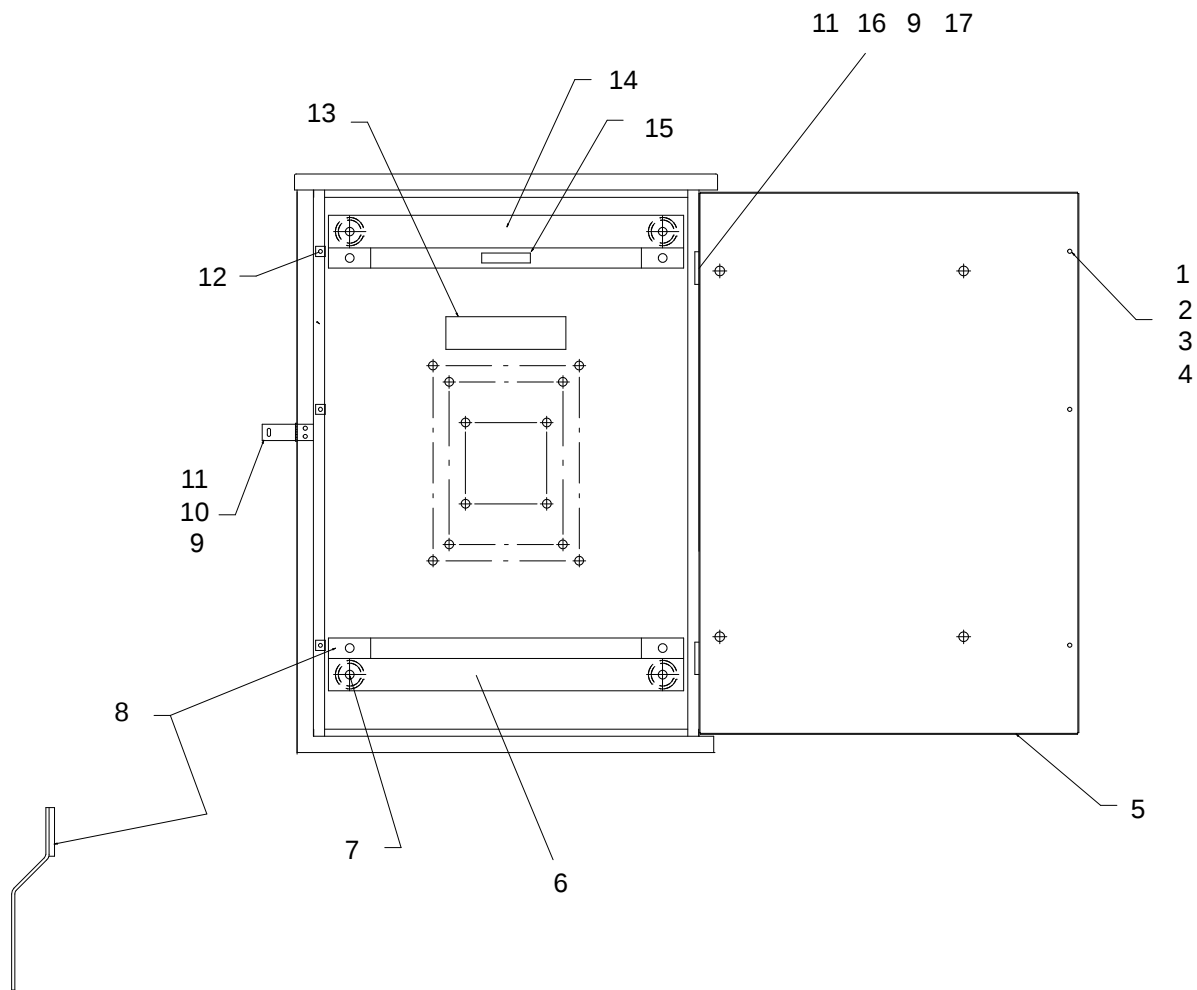


AW-295000

Nonautomatic, NEMA Type 1, 1000-1200 Amps.

Enclosures

Item	Description	Part Number
		1000-1200 Amps.
18	Door, right	294288
19	Door, left	294334
20	Channel, front, top, back	294335 (2)
21	Screw, flat head machine	295098 (32)
22	Clip, speed	297596 (48)
23	Hinge, split	297600 (4)
24	Hinge, split	297601 (4)
25	Clip, speed	297952 (12)
26	Panel, side	298349 (4)
27	Panel, back	298350 (4)
28	Plate, top	298352
29	Bus, ground	298424
30	Channel, corner	298425 (4)
31	Channel center vertical	298427
32	Channel, top & bottom	298429 (4)
33	Channel, top & bottom	298430 (2)
34	Bracket, lifting	298433 (8)
35	Panel, spacer	298434
36	Channel, 3" side	298437 (3)
37	Bracket, bottom mounting	298440
38	Bracket, top mounting	298441
39	Bracket, support	298443
40	Brace, corner	298722 (4)
41	Washer, plain, .220 x .438 x .047	X-25-7 (12)
42	Button, plug	X-301-23 (24)
43	Retainer, nut	X-6204-1 (4)
44	Screw, hex washer, 1/4-20 x .75	X-791-2 (148)
45	Screw, hex washer, 1/4-20 x 1.5	X-791-3 (61)

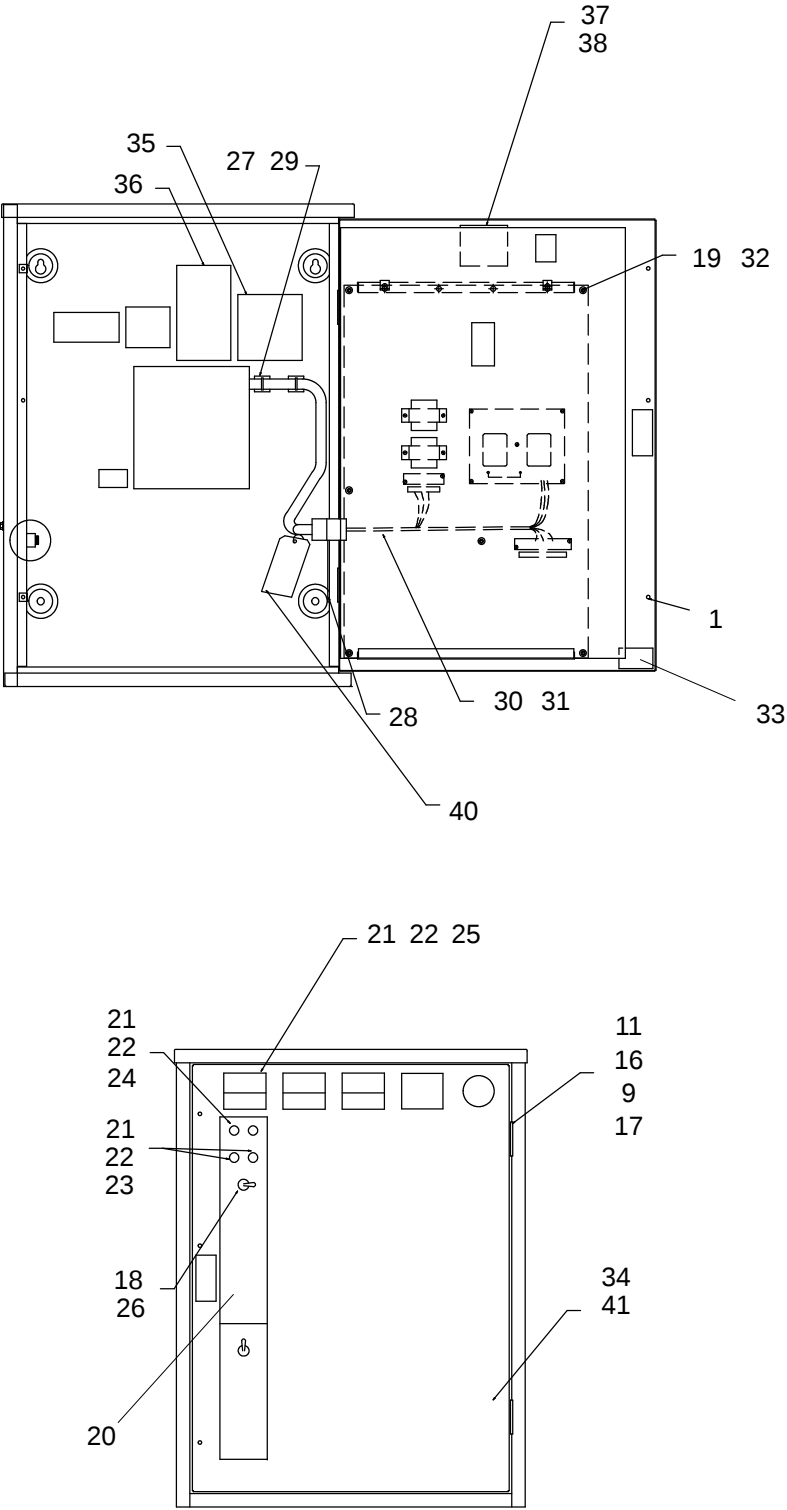


BD-295000

Nonautomatic, NEMA Type 3R, 30-800 Amps.

Enclosures

Item	Description	Part Number		
		30-150 Amps.	225-400 Amps.	600-800 Amps.
1	Retainer	295010 (3)	295010 (3)	295009 (2)
2	Gasket, washer	297001 (3)	297001 (3)	297002 (3)
3	Washer, plain, .220 x .375 x .031	X-25-58 (3)	X-25-58 (3)	-----
4	Screw, R.H.M. 10-24 x 1/2	X-50-25 (3)	X-50-25 (3)	X-50-25 (3)
5	Door, enclosure	294323	294311	294330
6	Bracket, mounting	295081 (2)	295081 (2)	295082 (2)
7	Washer, plain, .391 x .875 x .062	X-25-18 (4)	X-25-18 (4)	X-25-18 (4)
8	Gasket	295364 (4)	295364 (4)	295364 (4)
9	Nut, hex, 10-24	-----	X-70-2 (4)	-----
10	Hasp	297798	297798	297798
11	Screw, flat head machine	295098 (14)	295098 (8)	295098 (14)
12	Clip, speed	257442 (3)	257442 (3)	X-6220-1 (3)
13	Decal	295932	295932	295932
14	Enclosure, transfer	294319	294307	295999
15	Decal	295350	295350	295350
16	Hinge, split	297600 (2)	297600 (2)	297600 (3)
17	Washer, plain, .220 x .438 x .047	-----	X-25-7 (4)	X-25-7 (6)

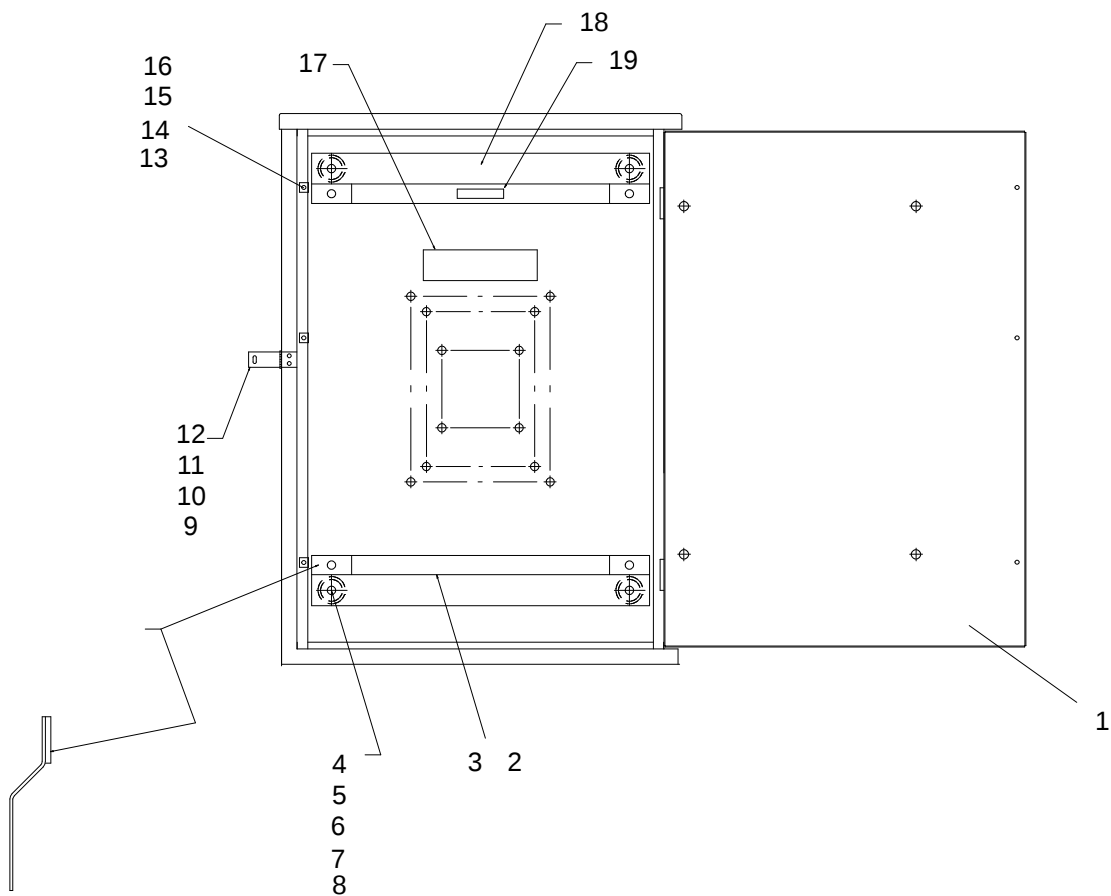


BG-295000

Nonautomatic, NEMA Type 3R, 30-800 Amps.

Enclosures

Item	Description	Part Number		
		30-150 Amps.	225-400 Amps.	600-800 Amps.
18	Ring, lock	151511	151511	151511
19	Spacer, .281 x. 500 x. 375	265861 (6)	265861 (6)	265861 (6)
20	Decal	294409	294409	294409
21	Lamp	295324 (4)	295324 (4)	295324 (2)
22	Lamp, socket	295325 (4)	295325 (4)	295325 (2)
23	Lens, white	295326 (2)	295326 (2)	-----
24	Lens, green	295327	295327	295327
25	Lens, red	295328	295328	295328
26	Switch, toggle	297680	297680	297680
27	Base, tie wrap	298776 (4)	298776 (4)	298776 (4)
28	Envelope, Instruction	298777	298777	298777
29	Tie, cable	X-468-1 (8)	X-468-1 (8)	X-468-1 (8)
30	Tie	X-468-3	X-468-3	X-468-3
31	Screw, R.H.M. 8-32 x 1/2	X-51-15	X-51-15	X-51-15
32	Nut, hex	X-76-2 (6)	X-76-2 (6)	X-76-2 (6)
33	Decal	320661	320661	320661
34	Decal, Transfer Switch	X-6303-1	X-6303-1	X-6303-1
35	Decal, notice	294414	294414	294414
36	Decal, contactor	294602	294602	294602
37	Nameplate, unit	320658	320658	320658
38	Nameplate, serial no.	295392 (4)	295392 (4)	295392 (4)
39	Decal, UL	297009	297009	297009
40	Tag, hang	297949	297949	297949
41	Decal, Spectrum	X-6301-1	X-6301-1	X-6301-1

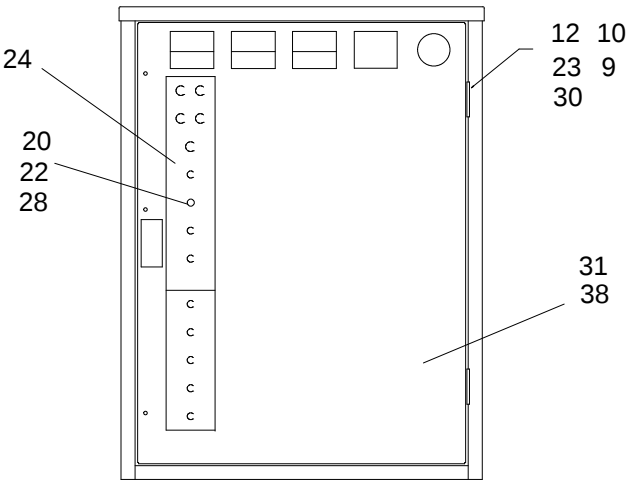
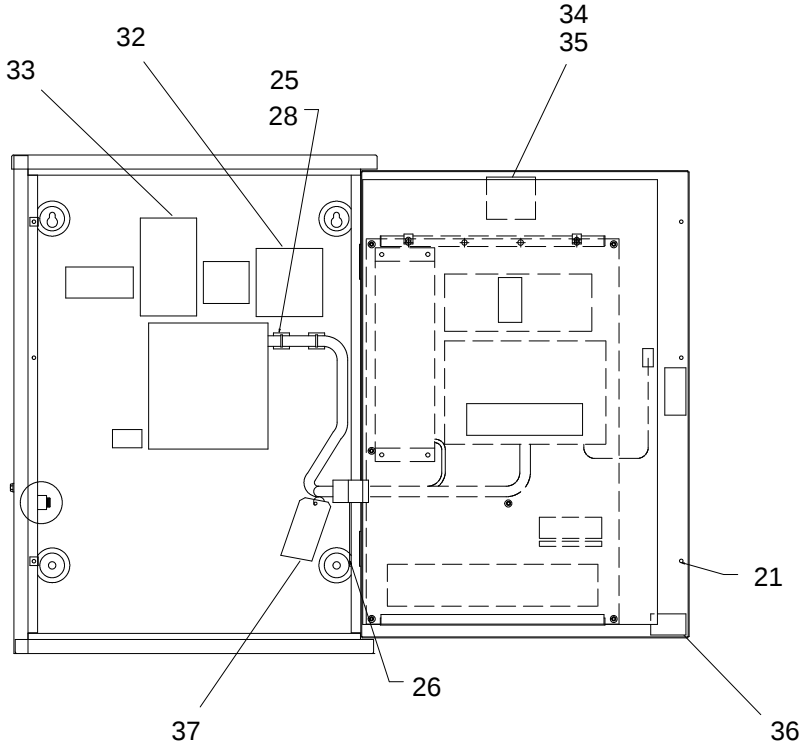


BD-295000

Automatic, NEMA Type 3R, 30-800 Amps.

Enclosures

Item	Description	Part Number		
		30-150 Amps.	225-400 Amps.	600-800 Amps.
1	Door, enclosure	294323 362168	294311 362198	294330
2	Gasket	295364 (4)	295364 (4)	295364 (4)
3	Bracket, mounting	295081 (2)	295081 (2)	295082 (2)
4	Washer, plain	X-25-18 (4)	X-25-18 (4)	X-25-18 (4)
5	Washer, lock, 3/8	# (4)	# (4)	# (4)
6	Screw, H.C., 3/8-16 x 1"	# (4)	# (4)	# (4)
7	Screw, hex, 3/8-16	#	#	#
8	Washer, plain, 17/64 x 5/8 x 1/16	-----	-----	# (3)
9	Washer, lock, 10	# (14)	# (20)	# (20)
10	Nut, hex, 10-24	X-70-2 (4)	X-70-2 (4)	X-70-2 (4)
11	Hasp	297798	297798	297798
12	Screw, flat head machine	295098 (14)	295098 (8)	295098 (20)
13	Screw, R.H.M. 10-24 x 1 1/2	X-50-25 (3)	X-50-25 (3)	X-50-25 (3)
14	Washer, plain	X-25-58 (3)	X-25-58 (3)	X-25-53 (3)
15	Gasket, washer	297001 (3)	297001 (3)	297002 (3)
16	Clip, speed	257442 (3)	257442 (3)	X-6220-1 (3)
17	Decal	295932	295932	295932
18	Enclosure, transfer	294319 362094	294307 294306	295999 295015
19	Decal	295350	295350	295350



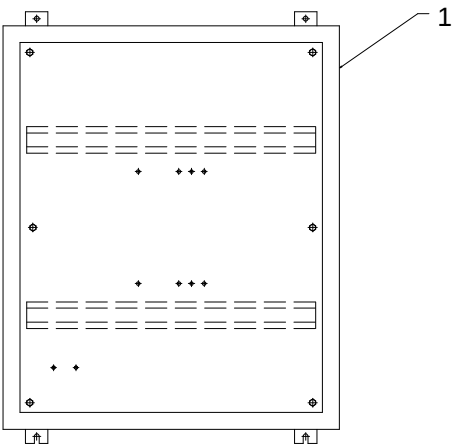
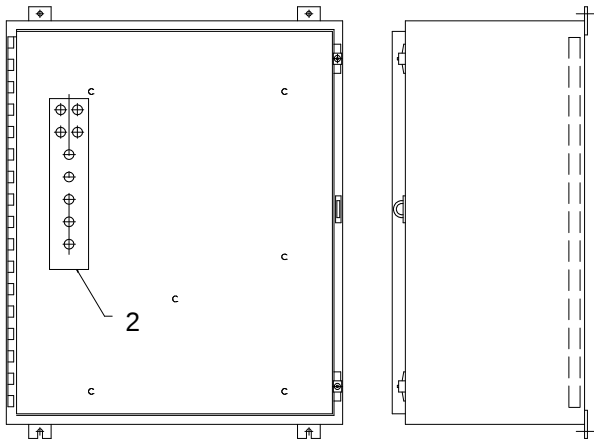
Automatic, NEMA Type 3R, 30-800 Amps.

Enclosures

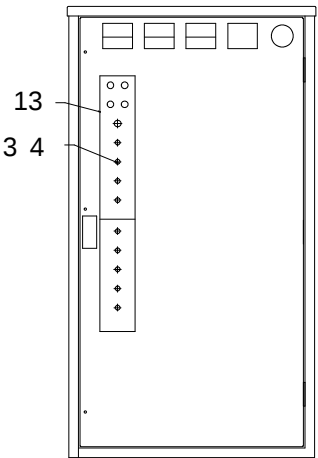
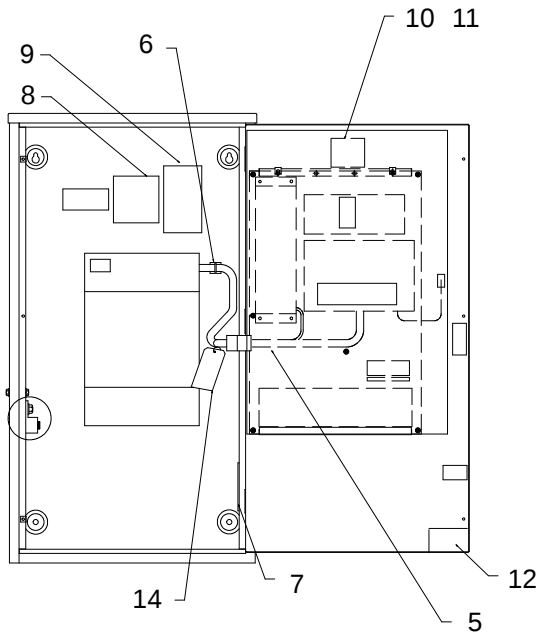
Item	Description	Part Number		
		30-150 Amps.	225-400 Amps.	600-800 Amps.
20	Ring, lock	151511	151511	151511
21	Retainer	295010 (3)	295010 (3)	295009 (2)
22	Switch, toggle	295036	295036	295036
23	Hinge, split	297600 (2)	297600 (2)	297600 (3)
24	Decal	297938	297938	297938
25	Base, tie wrap	298776 (4)	298776 (4)	298776 (4)
26	Envelope, instruction	298777	298777	298777
27	Enclosure complete (Includes items 18, 1, 21, 3, 19, 2, 17, 15, 23, 11)	B-295173- 171	B-295172	B-295171- 173
28	Tie, cable	X-468-1 (8)	X-468-1 (8)	X-468-1 (8)
29	Screw, R.H.M. 8-32 x 1/2 (Item not shown)	X-51-15	X-51-15	X-51-15
30	Washer, plain, .220 x .438 x .047	X-25-7 (4)	X-25-7 (4)	X-25-7 (4)
31	Decal, Transfer Switch	X-6303-1	X-6303-1	X-6303-1
32	Decal, notice	294414	294414	294414
33	Decal, contactor	294602	294602	294602
34	Nameplate, unit	320657	320657	320657
35	Nameplate, serial no.	295392 (4)	295392 (4)	295392 (4)
36	Decal, UL	320660	320660	320660
37	Tag, hang	297949	297949	297949
38	Decal, Spectrum	X-6301-1	X-6301-1	X-6301-1
39	Nut, hex, 8-32 (Item not shown)	#	#	#

Enclosures

Automatic,
NEMA Type 12, 30-400 Amps.



AF-295000



BA-295000

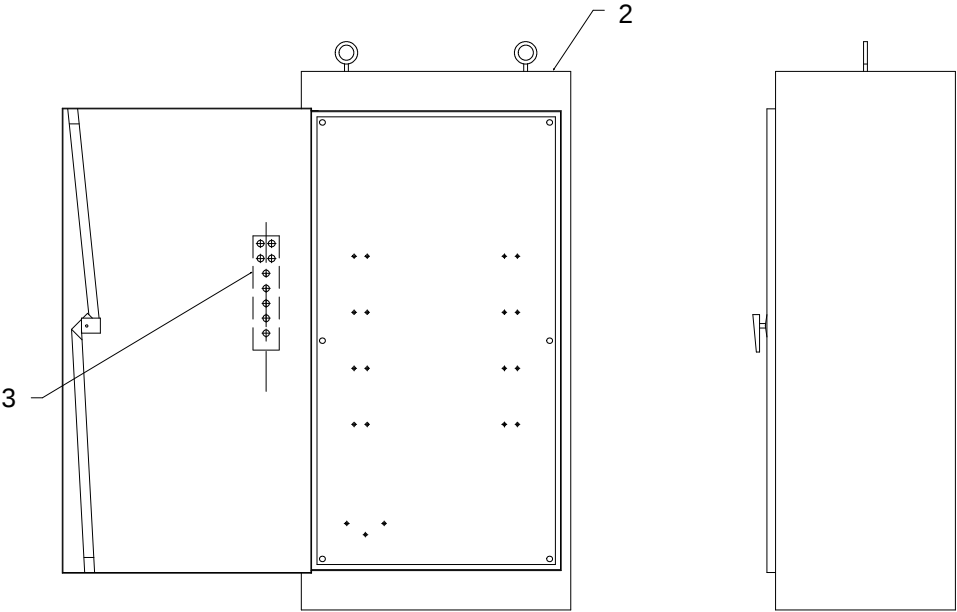
Automatic, NEMA Type 12, 30-400 Amps.

Enclosures

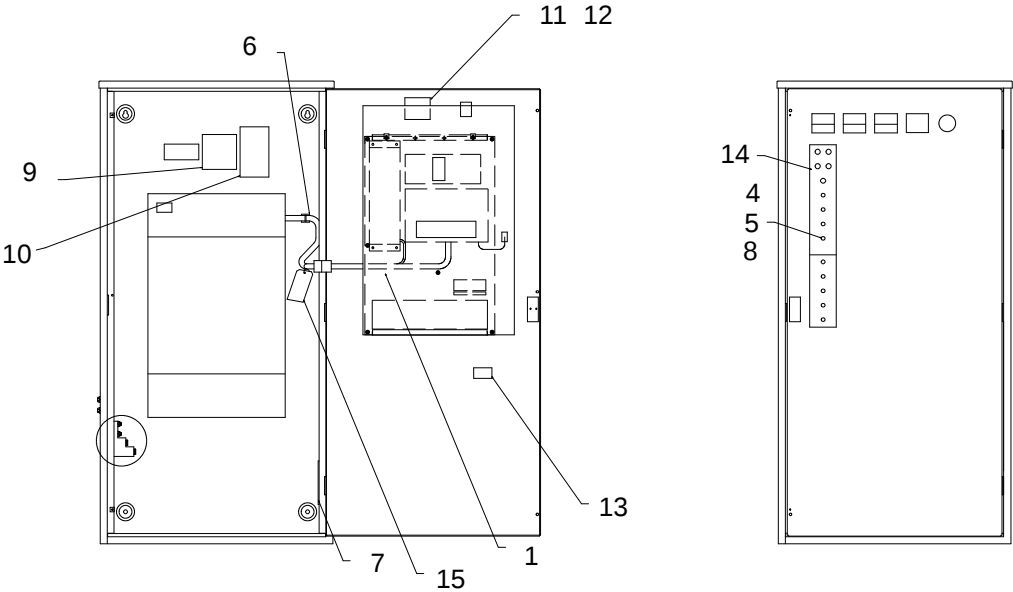
Item	Description	Part Number	
		30-150 Amps.	225-400 Amps.
1	Enclosure	297913	297915
2	Decal	297938	297938
3	Switch, operator	298036	298036
4	Contact assembly	298046	298046
5	Harness, wiring	298531	295771
6	Base, tie wrap	298776 (2)	298776 (2)
7	Envelope, instruction	298777	298777
8	Decal, notice	294414	294414
9	Decal, contactor	294602	294602
10	Nameplate, unit	320657	320657
11	Nameplate, serial no.	295392	295392
12	Decal, UL	320660	320660
13	Decal	297938	297938
14	Tag, hang	297949	297949

Enclosures

**Automatic,
NEMA Type 12, 600-800 Amps.**



AH-295000



BA-295000

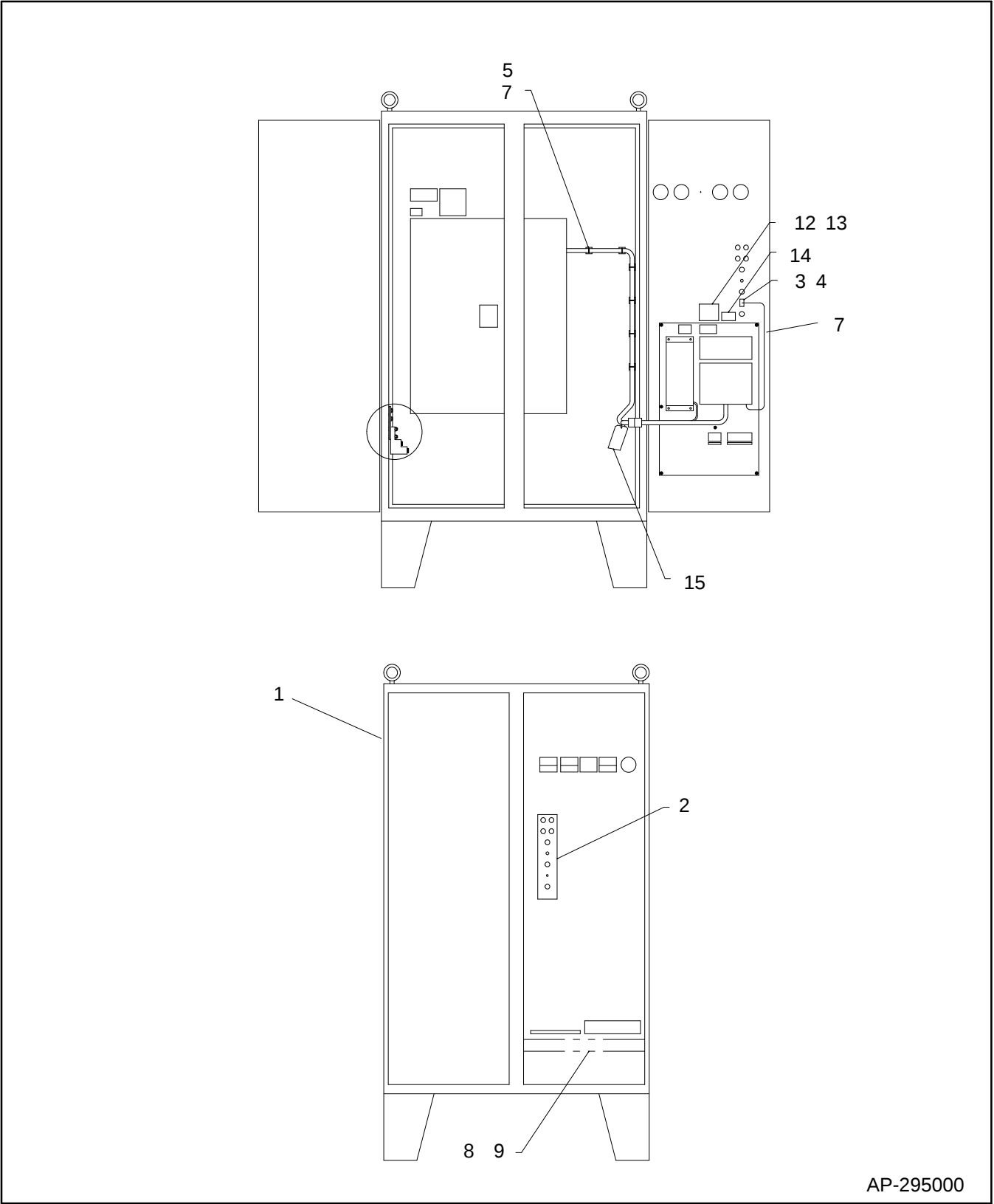
Automatic, NEMA Type 12, 600-800 Amps.

Enclosures

Item	Description	Part Number
		600-800 Amps.
1	Harness, wiring (5 Feet) Includes: Connector, 24 pin Terminals, male (21) Connector, jack	295771 295145 295260 295262
2	Enclosure	297917
3	Decal	297938
4	Switch, operator	298036
5	Contact assembly	298046
6	Base, tie wrap	298776 (2)
7	Envelope, instruction	298777
8	Tie (expense), cable	X-468-1 (6)
9	Decal, notice	294414
10	Decal, contactor	294602
11	Nameplate, unit	320657
12	Nameplate, serial no.	295392
13	Decal, UL	320660
14	Decal	297938
15	Tag, hang	297949

Enclosures

**Automatic,
NEMA Type 12, 1000-1200 Amps.**

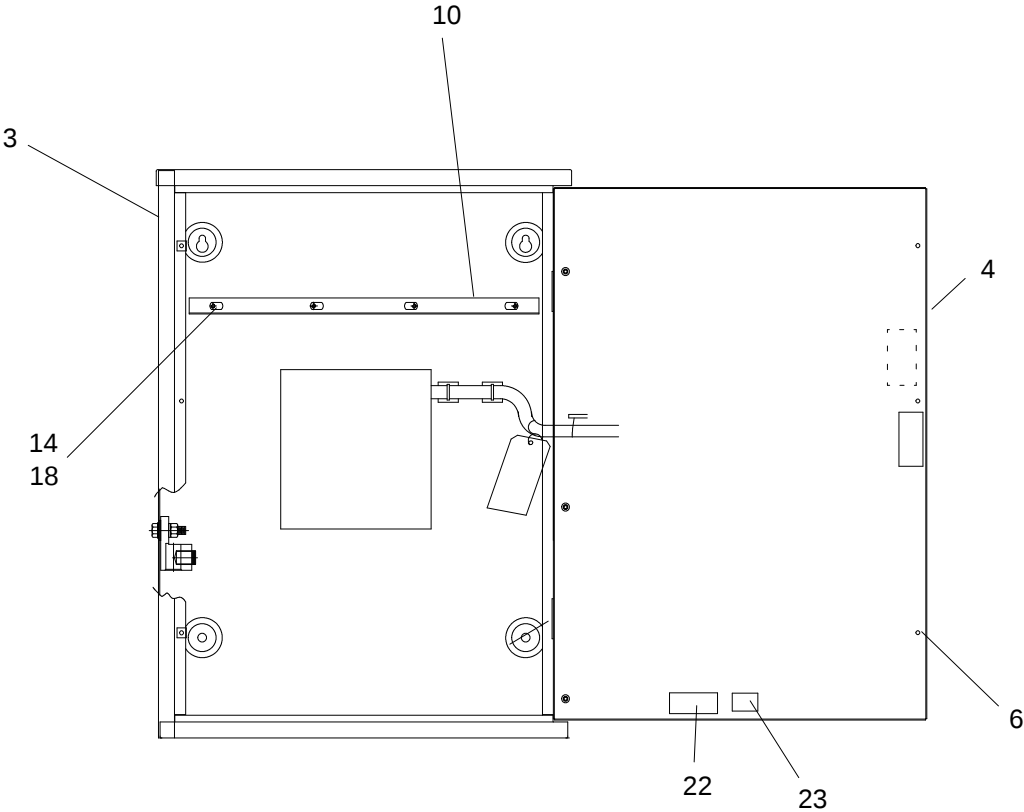


AP-295000

Automatic, NEMA Type 12, 1000-1200 Amps.

Enclosures

Item	Description	Part Number
		1000-1200 Amps.
1	Enclosure	297920
2	Decal	297938
3	Switch, operator	298036
4	Contact assembly	298046
5	Base, tie wrap	298776 (2)
6	Envelope, instruction (Item not shown)	298777
7	Tie (expense), cable	X-468-1 (6)
8	Decal, Spectrum	X-6301-1
9	Decal, Transfer Switch	X-6303-1
10	Decal, notice (Item not shown)	294414
11	Decal, contactor (Item not shown)	294602
12	Nameplate	320657
13	Nameplate, serial no.	295392 (4)
14	Decal, UL	320660
15	Tag, hang	297949



Y-295000

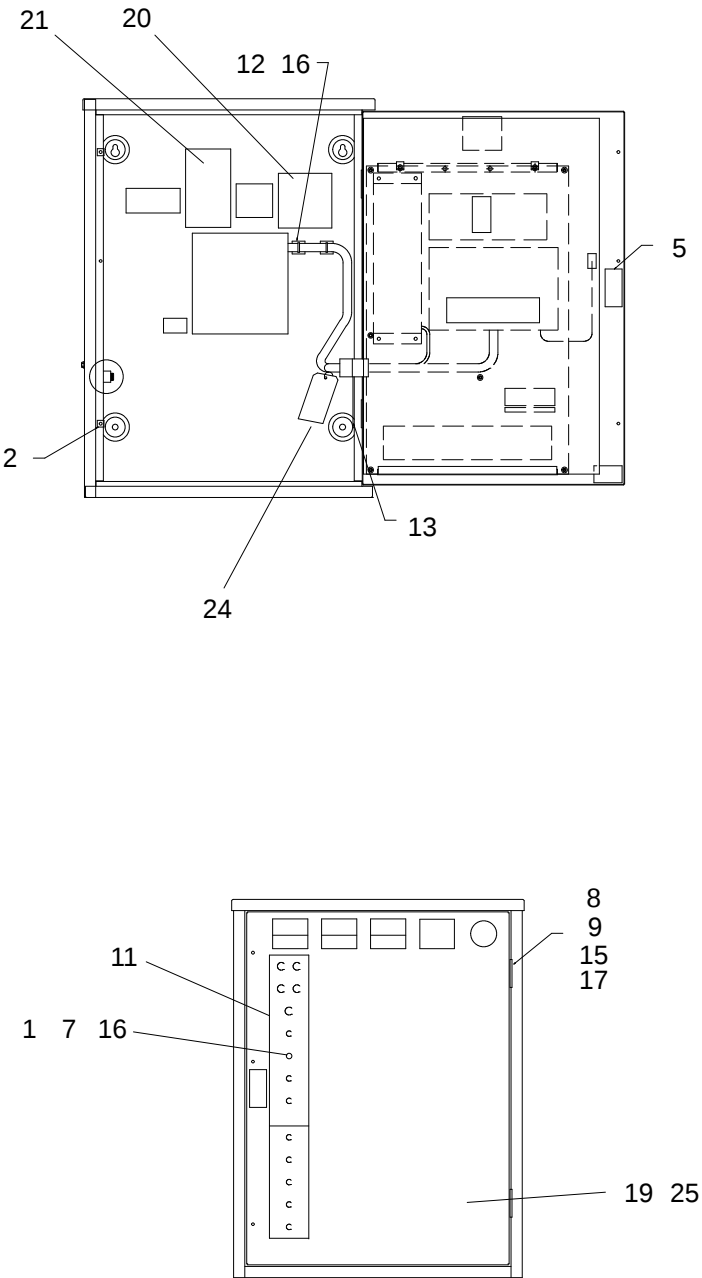
Automatic, NEMA Type 1, C.S.A. 30-800 Amps.

Enclosures

Item	Description	Part Number			
		30-150 Amps.	225 Amps.	400 Amps.	600-800 Amps.
1	Ring, lock	151511	151511	151511	151511
2	Clip, speed	257442 (2)	257442 (2)	257442 (2)	X-6220-1 (2)
3	Enclosure, transfer	294318	294306	294306	295015
4	Door, enclosure	294324	294312	294312	294291
5	Latch, locking	295004	295004	295004	295004
6	Retainer	295010 (2)	295010 (2)	295010 (2)	295009 (2)
7	Switch, toggle	295068	295068	295068	295068
8	Screw, flat head machine	295098 (8)	295098 (8)	295098 (8)	295098 (12)
	Key (Item not shown)	296235	296235	296235	296235
9	Hinge, split	297600 (2)	297600 (2)	297600 (2)	297600 (3)
10	Stiffener, 4 hole	297870	297870	297870	Not required
11	Decal	297938	295331	295331	297938
12	Base, tie wrap	298776 (4)	298776 (2)	298776 (4)	298776 (2)
13	Envelope, instruction	298777	298777	298777	298777
14	Washer, lock shakeproof	X-22-9 (4)	X-22-9 (4)	X-22-9 (4)	Not required
15	Washer, plain	X-25-7 (4)	X-25-7 (4)	X-25-7 (4)	X-25-7 (6)
16	Tie, cable	X-468-1 (8)	X-468-1 (6)	X-468-1 (8)	X-468-1 (6)
17	Nut, hex, 10-24	X-70-2 (4)	X-70-2 (4)	X-70-2 (4)	X-70-2 (6)
18	Screw, R.H.M. 10-24	X-50-13 (4)	X-50-13 (4)	X-50-13 (4)	Not required
19	Decal, Transfer Switch	X-6303-1	X-6303-1	X-6303-1	X-6303-1
20	Decal, notice	294414	294414	294414	294414
21	Decal, contactor	294602	294602	294602	294602
22	Decal, C.S.A.	297721	297721	297721	297721
23	Nameplate, C.S.A.	320659	320659	320659	320659
24	Tag, hang	297949	297949	297949	297949
25	Decal, Spectrum	X-6301-1	X-6301-1	X-6301-1	X-6301-1

Enclosures

**Automatic,
NEMA Type 1, C.S.A. 30-800 Amps.**



BA-295000

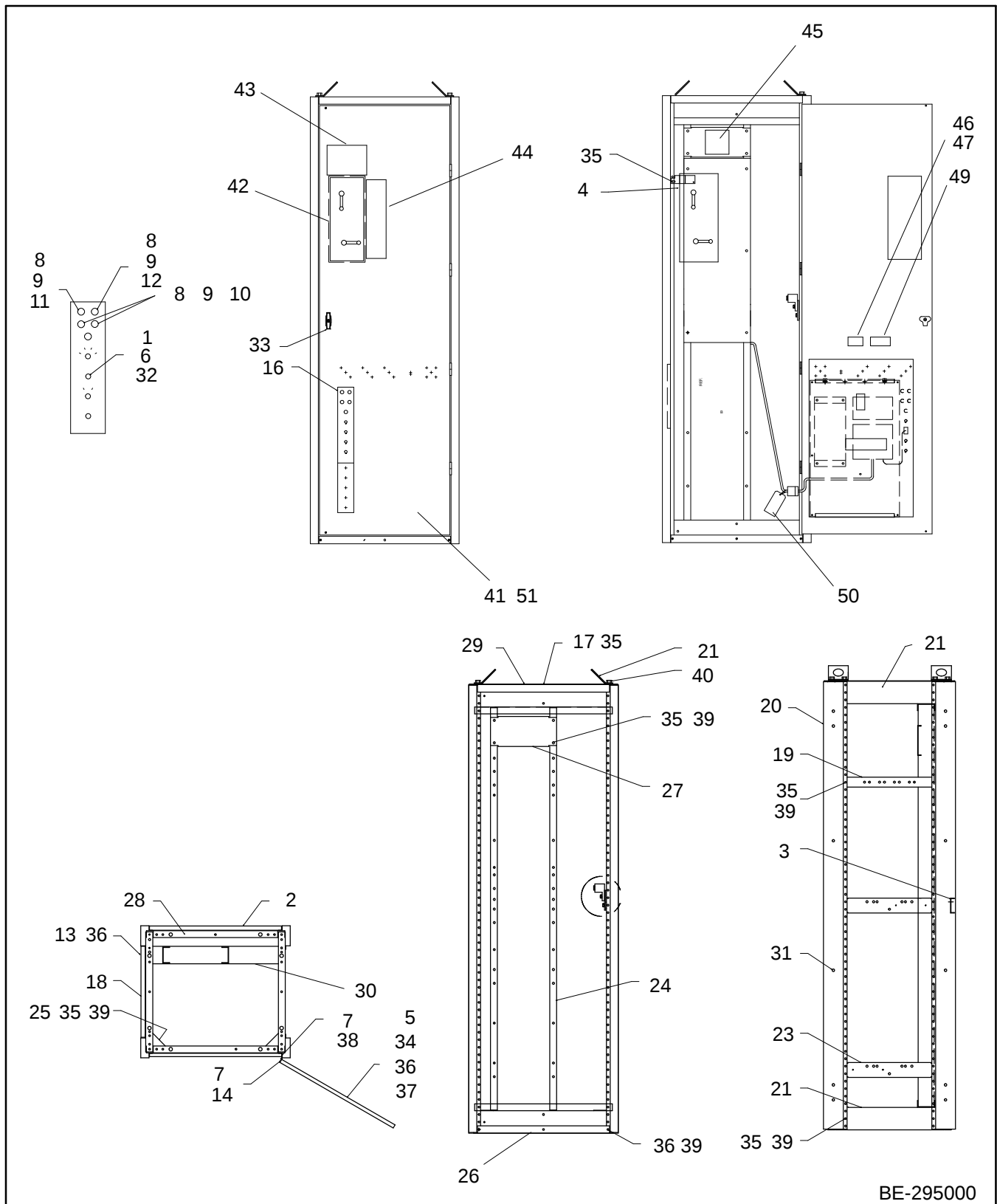
Automatic, NEMA Type 1, C.S.A. 30-800 Amps.

Enclosures

Item	Description	Part Number			
		30-150 Amps.	225 Amps.	400 Amps.	600-800 Amps.
1	Ring, lock	151511	151511	151511	151511
2	Clip, speed	257442 (2)	257442 (2)	257442 (2)	X-6220-1 (2)
3	Enclosure, transfer	294318	294306	294306	295015
4	Door, enclosure	294324	294312	294312	294291
5	Latch, locking	295004	295004	295004	295004
6	Retainer	295010 (2)	295010 (2)	295010 (2)	295009 (2)
7	Switch, toggle	295068	295068	295068	295068
8	Screw, flat head machine	295098 (8)	295098 (8)	295098 (8)	295098 (12)
	Key (Item not shown)	296235	296235	296235	296235
9	Hinge, split	297600 (2)	297600 (2)	297600 (2)	297600 (3)
10	Stiffener, 4 hole	297870	297870	297870	Not required
11	Decal	297938	295331	295331	297938
12	Base, tie wrap	298776 (4)	298776 (2)	298776 (4)	298776 (2)
13	Envelope, instruction	298777	298777	298777	298777
14	Washer, lock shakeproof	X-22-9 (4)	X-22-9 (4)	X-22-9 (4)	Not required
15	Washer, plain	X-25-7 (4)	X-25-7 (4)	X-25-7 (4)	X-25-7 (6)
16	Tie, cable	X-468-1 (8)	X-468-1 (6)	X-468-1 (8)	X-468-1 (6)
17	Nut, hex, 10-24	X-70-2 (4)	X-70-2 (4)	X-70-2 (4)	X-70-2 (6)
18	Screw, R.H.M. 10-24	X-50-13 (4)	X-50-13 (4)	X-50-13 (4)	Not required
19	Decal, Transfer Switch	X-6303-1	X-6303-1	X-6303-1	X-6303-1
20	Decal, notice	294414	294414	294414	294414
21	Decal, contactor	294602	294602	294602	294602
22	Decal, C.S.A.	297721	297721	297721	297721
23	Nameplate, C.S.A.	320659	320659	320659	320659
24	Tag, hang	297949	297949	297949	297949
25	Decal, Spectrum	X-6301-1	X-6301-1	X-6301-1	X-6301-1

Enclosures

Automatic Transfer and Bypass Isolation, NEMA Type 1, 150-400 Amps.

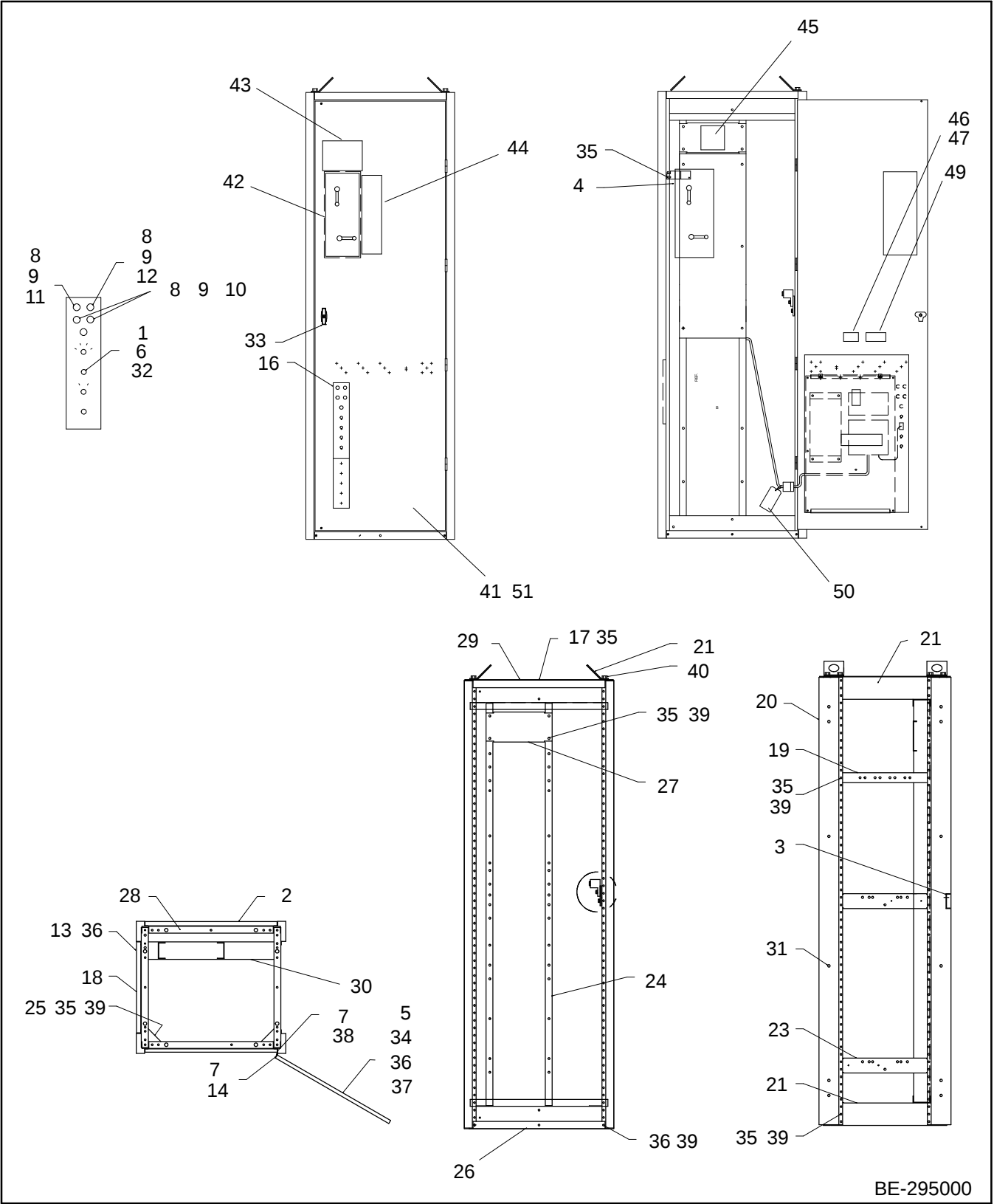


Automatic Transfer and Bypass Isolation, NEMA Type 1, 150-400 Amps.

Enclosures

Item	Description	Part Number	
		150-400 Amp.	
1	Ring, lock	151511	
2	Panel, back	262719	(2)
3	Channel, front & back	262722	
4	Bracket	294348	
5	Door	294372	
6	Switch, toggle	295068	
7	Screw, flat head machine	295098	(24)
8	Lamp	295324	(4)
9	Lamp, socket	295325	(4)
10	Lens, white	295326	(2)
11	Lens, green	295327	
12	Lens, red	295328	
13	Clip, speed	297596	(36)
14	Hinge, split	297600	(4)
15	Decal (Item not shown)	297875	
16	Decal	297938	
17	Clip, speed	297952	(8)
18	Panel, side	298349	(4)
19	Bus, ground	298424	
20	Channel, corner	298425	(4)
21	Channel, top & bottom	298429	(4)
22	Bracket, lifting (Item not shown)	298433	(8)
23	Channel, 3" side	298437	(3)
24	Channel, vertical	298451	(2)
25	Brace, corner	298722	(2)
26	Panel, spacer	298896	
27	Channel	298897	
28	Channel	298942	(4)
29	Plate, top	298946	

Enclosures Automatic Transfer and Bypass Isolation, NEMA Type 1, 150-400 Amps.



BE-295000

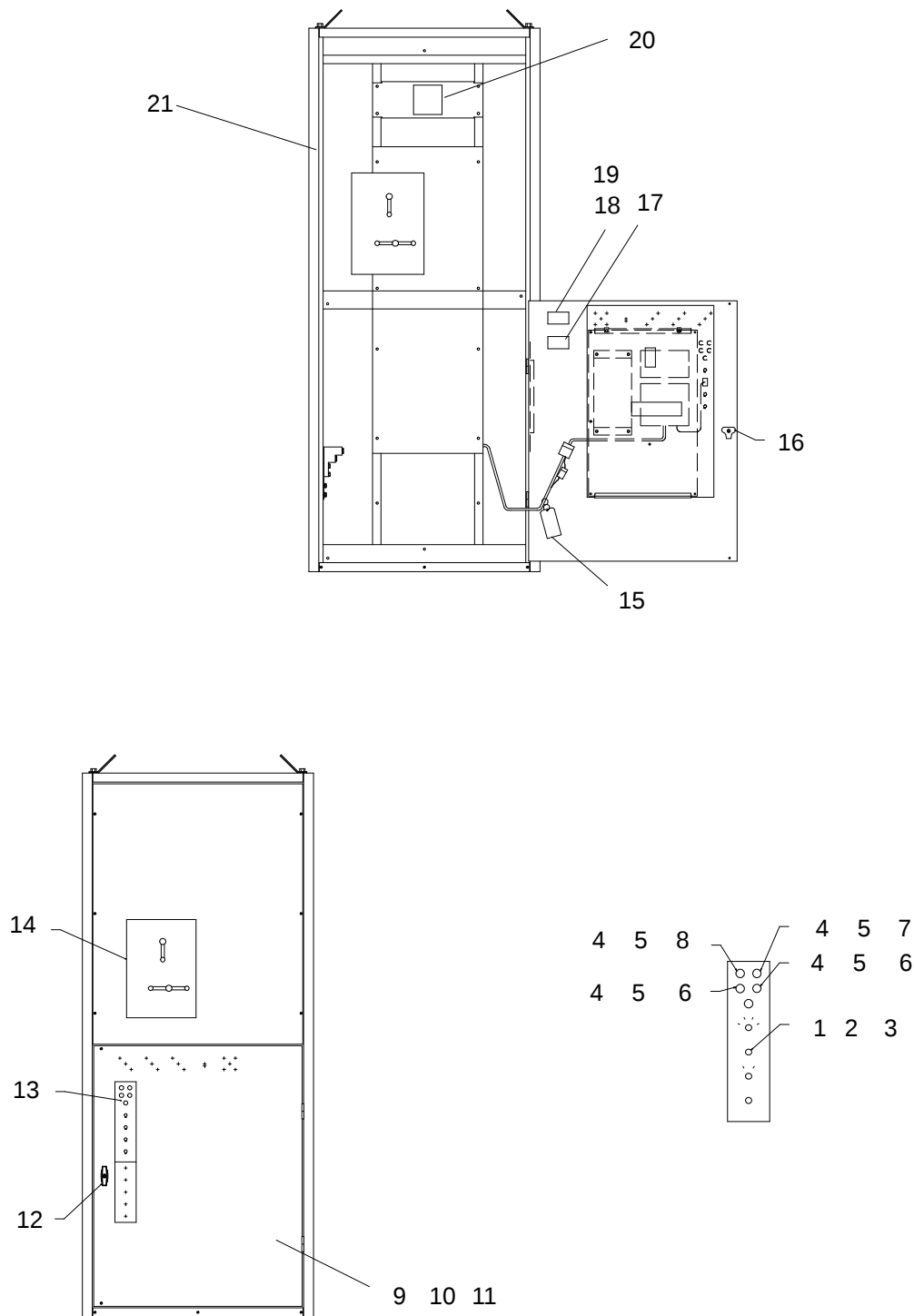
Automatic Transfer and Bypass Isolation, NEMA Type 1, 150-400 Amps.

Enclosures

Item	Description	Part Number	
		150-400 Amp.	
30	Channel	298948	(2)
31	Button, plug	X-301-23	(24)
32	Tie, cable	X-468-1	(4)
33	Latch, T-handle	X-6132-4	
34	Retainer, nut	X-6204-1	(2)
35	Screw, hex washer	X-791-2	(130)
36	Screw, hex washer	X-791-3	(47)
37	Washer, lock, 1/4"	#	(2)
38	Nut, 10-24	#	(8)
39	Nut, 1/4-20	#	(143)
40	Hardware, 3/8-16	#	(8)
41	Decal, Transfer Switch	273746	
42	Decal, Bypass Isolation	294165	
43	Decal, Instructions	294166	
44	Decal, Sequence	294167	
45	Decal, notice	294414	
46	Nameplate, Automatic	320657	
47	Nameplate, serial no.	295392	(4)
48	Decal, Engine Start (Item not shown)	297558	
49	Decal, UL	320662	
50	Tag, hang	297949	
51	Decal, Spectrum	X-6301-1	
52	Enclosure	297684	

Enclosures

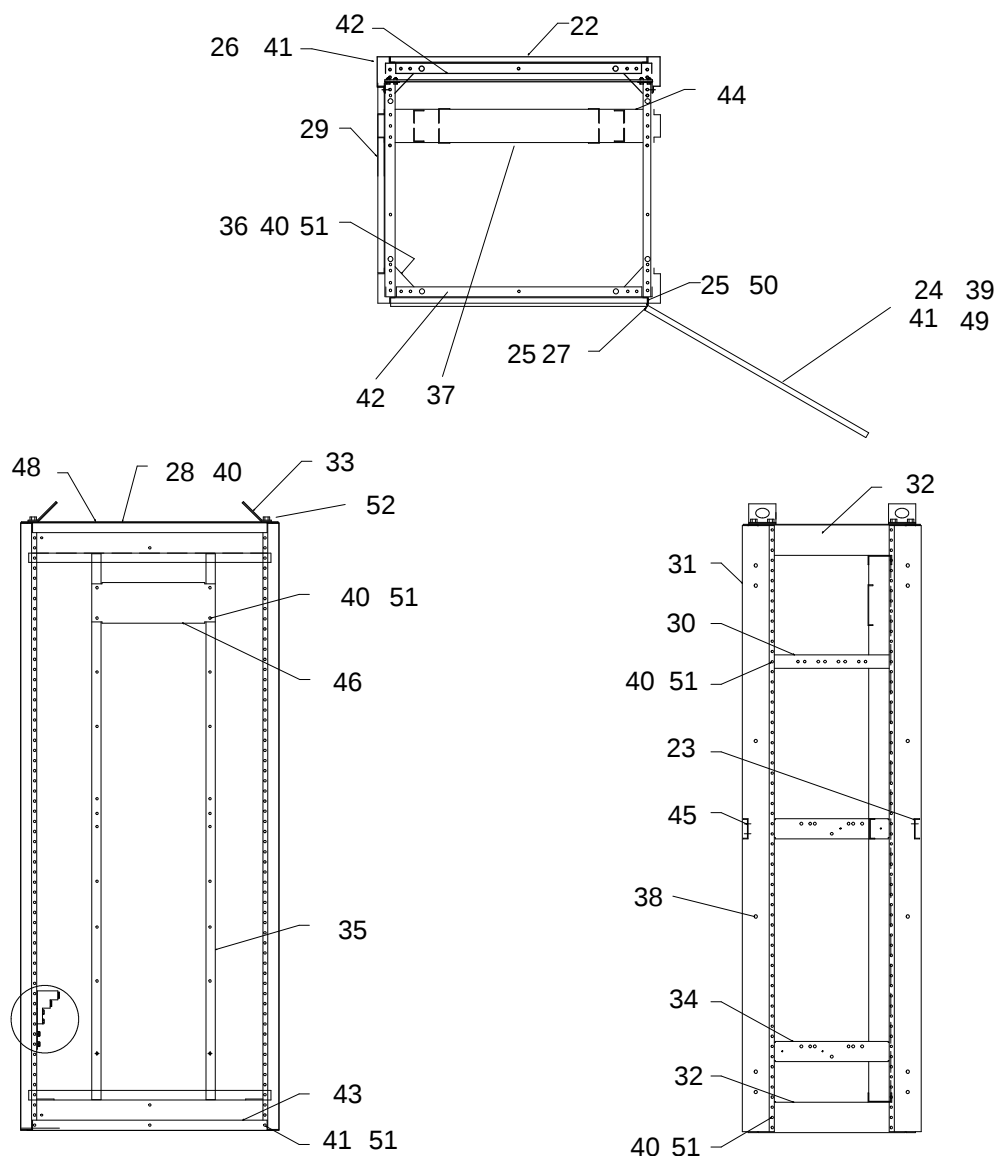
Automatic Transfer and Bypass Isolation,
NEMA Type 1, 400-800 Amps.



AX-295000

Automatic Transfer and Bypass Isolation, Enclosures NEMA Type 1, 400-800 Amps.

Item	Description	Part Number			
		400 Amp.	4 Pole 400 Amp.	600-800 Amp.	4 Pole 600-800 Amp.
1	Ring, lock	151511	151511	151511	151511
2	Switch, toggle	295068	295068	295068	295068
3	Tie, cable	X-468-1 (4)	X-468-1 (4)	X-468-1 (4)	X-468-1 (4)
4	Lamp	295324 (4)	295324 (4)	295324 (4)	295324 (4)
5	Lamp, socket	295325 (4)	295325 (4)	295325 (4)	295325 (4)
6	Lens, white	295326 (2)	295326 (2)	295326 (2)	295326 (2)
7	Lens, red	295328	295328	295328	295328
8	Lens, green	295327	295327	295327	295327
9	Decal, Transfer Switch	273746	273746	273746	273746
10	Decal, stripes	X-6232-2	X-6232-2	X-6232-2	X-6232-2
11	Decal, Spectrum	X-6246-4	X-6246-4	X-6246-4	X-6246-4
12	Latch, T-handle	X-6132-4	X-6132-4	X-6132-4	X-6132-4
13	Decal	297938	297938	297938	297938
14	Decal, Operating Instructions	297875	297875	297875	297875
15	Tag, hang	297949	297949	297949	297949
16	Tie, cable	-----	-----	X-468-2	X-468-2
17	Decal	320662	320662	320662	320662
18	Nameplate, serial no.	295392 (4)	295392 (4)	295392 (4)	295392 (4)
19	Nameplate	320657	320657	320657	320657
20	Decal, notice	294414	294414	294414	294414
21	Bracket	294348	294348	-----	-----



AX-295000

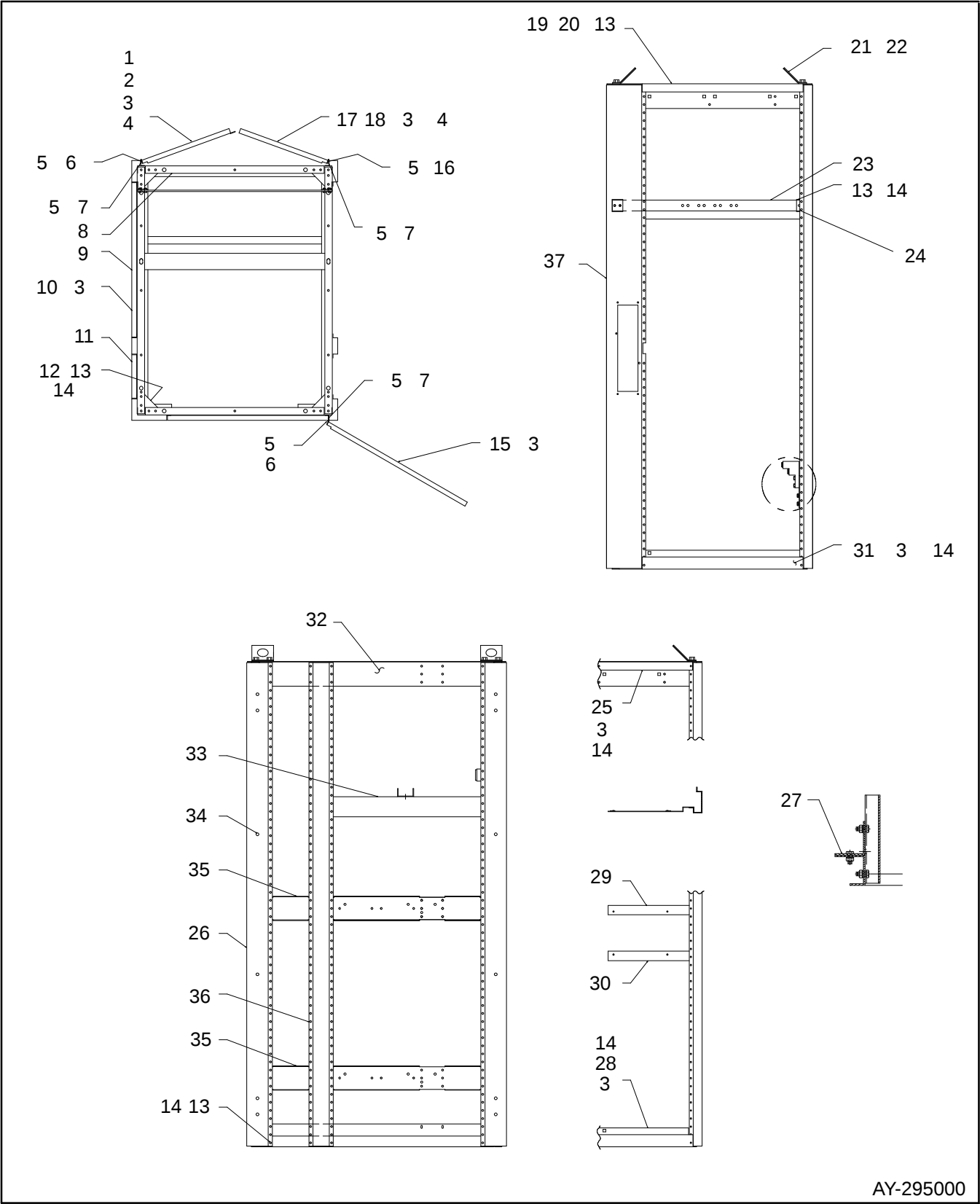
Automatic Transfer and Bypass Isolation, NEMA Type 1, 400-800 Amps.

Enclosures

Item	Description	Part Number			
		400 Amp.	4 Pole 400 Amp.	600-800 Amp.	4 Pole 600-800 Amp.
22	Panel, back	262719 (2)	262719 (2)	298351 (3)	298351 (3)
23	Channel, front & back	262722	262722	261836	261836
24	Door	294372	294372	294289	294289
25	Screw, flat head machine	295098 (24)	295098 (24)	295098 (12)	295098 (12)
26	Clip, speed	297596 (36)	297596 (36)	297596 (36)	297596 (36)
27	Hinge, split	297600 (4)	297600 (4)	297600 (2)	297600 (2)
28	Clip, speed	297952 (8)	297952 (8)	297952 (8)	297952 (8)
29	Panel, side	298349 (4)	298349 (4)	298349 (4)	298349 (4)
30	Bus, ground	298424	298424	298424	298424
31	Channel, corner	298425 (4)	298425 (4)	298425 (4)	298425 (4)
32	Channel, top & bottom	298429 (4)	298429 (4)	298429 (4)	298429 (4)
33	Bracket, lifting	298433 (8)	298433 (8)	298433 (8)	298433 (8)
34	Channel, 3" side	298437 (3)	298437 (3)	298437 (3)	298437 (3)
35	Channel, vertical	298451 (2)	298451 (2)	298451 (2)	298451 (2)
36	Brace, corner	298722 (2)	298722 (2)	298722 (2)	298722 (2)
37	Channel	298948 (2)	298948 (2)	-----	-----
38	Button, plug	X-301-23 (24)	X-301-23 (24)	X-301-23 (24)	X-301-23 (24)
39	Retainer, nut	X-6204-1 (2)	X-6204-1 (2)	X-6204-1 (2)	X-6204-1 (2)
40	Screw, hex washer, 1/4-20 x .75	X-791-2 (130)	X-791-2 (130)	X-791-2 (130)	X-791-2 (130)
41	Screw, hex washer, 1/4-20 x 1.5	X-791-3 (47)	X-791-3 (47)	X-791-3 (47)	X-791-3 (47)
42	Channel, top & bottom	298942 (4)	298942 (4)	298432 (4)	298432 (4)
43	Panel, spacer	298896	298896	298438	298438
44	Channel, crossmember	298452	298452	298453 (2)	298453 (2)
45	Channel, front	298456	298456	298456	298456
46	Channel	298897	298897	298459	298460
47	Panel, top (Item not shown)	-----	-----	298467	298467
48	Plate, top	298946	298946	298496	298496
49	Washer, lock, 1/4	# (133)	# (133)	# (131)	# (131)
50	Nut, 10-24	# (12)	# (12)	# (12)	# (12)
51	Nut, 1/4-20	# (131)	# (131)	# (131)	# (131)
52	Hardware, 3/8-16	# (8)	# (8)	# (8)	# (8)

Common hardware, procure locally

**Enclosures Automatic Transfer and Bypass Isolation,
NEMA Type 1, 1000-1200 Amps.**



Automatic Transfer and Bypass Isolation, NEMA Type 1, 1000-1200 Amps.

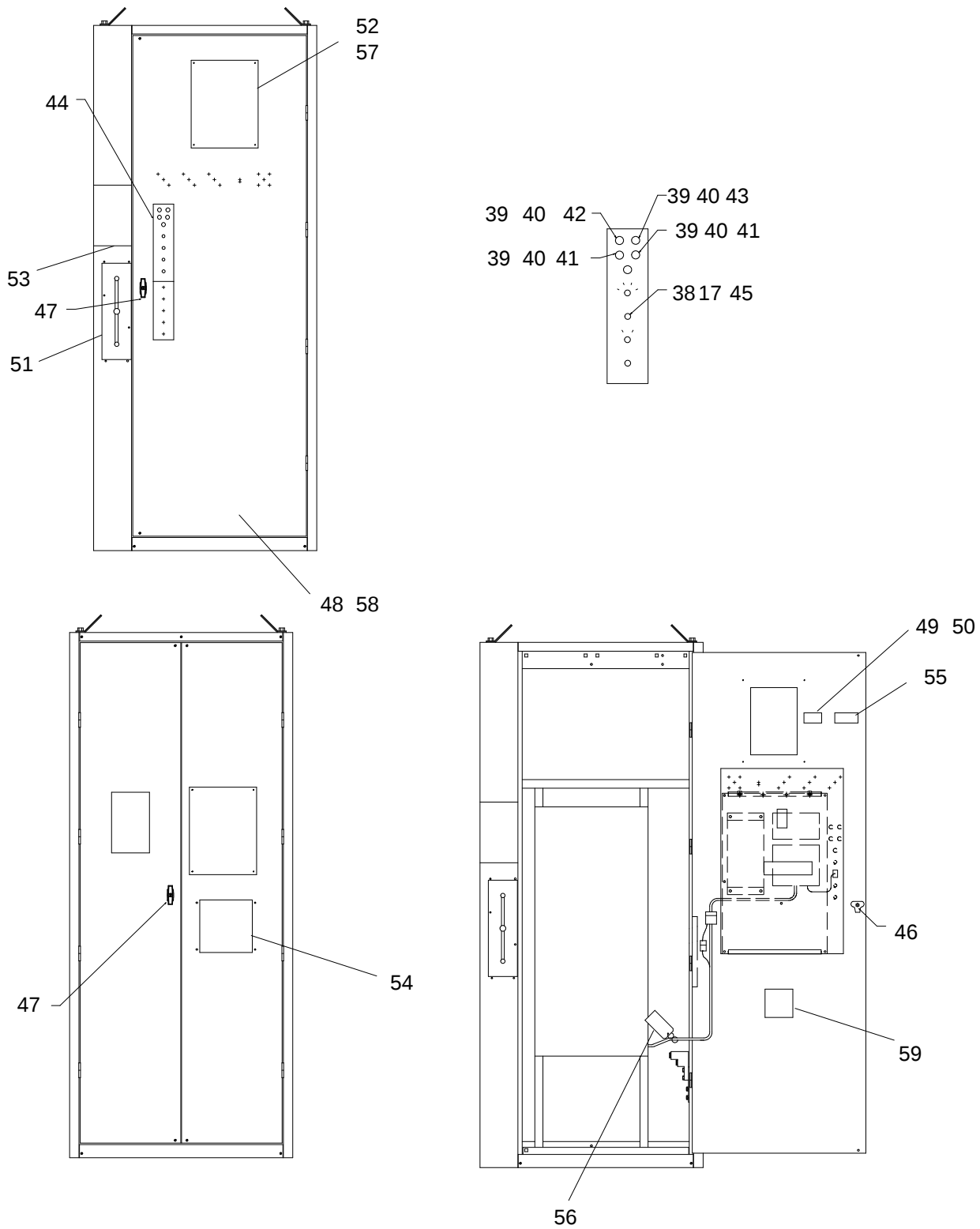
Enclosures

Item	Description	Part Number
		1000–1200 Amp.
1	Door, right back	298765
2	Retainer, nut	X-6204-1 (6)
3	Screw, hex washer, 1/4-20 x 1.5	X-791-3 (61)
4	Washer, lock, 1/4	#(149)
5	Screw, flat head machine	295098 (72)
6	Hinge, split	297600 (8)
7	Nut, 10-24	# (72)
8	Channel, top & bottom	298432 (2)
9	Panel, side	298766 (4)
10	Clip, speed	297596 (48)
11	Panel, side	262460 (4)
12	Brace, corner	298722 (4)
13	Screw, hex washer, 1/4-20 x 1.5	X-791-2(148)
14	Nut, 1/4-20	#(143)
15	Door	294292
16	Hinge, split	297601 (4)
17	Switch, toggle	295068
18	Door, left back	298764
19	Clip, speed	297952 (12)
20	Plate, top	298755
21	Bracket, lifting	298433 (8)
22	Hardware, 3/8-16	# (8)
23	Bus, ground	298446
24	Bracket, mounting	298447 (2)
25	Panel, spacer	298438
26	Channel, corner	298425 (3)
27	Support, angle	298785 (2)
28	Panel, spacer	298782
29	Brace, top	298808
30	Brace, bottom	298809
31	Panel, spacer	298732
32	Channel, top - side	298733 (2)
33	Bracket, mounting	298767 (2)

Common hardware, procure locally

Enclosures

**Automatic Transfer and Bypass Isolation,
NEMA Type 1, 1000-1200 Amps.**



AY-295000

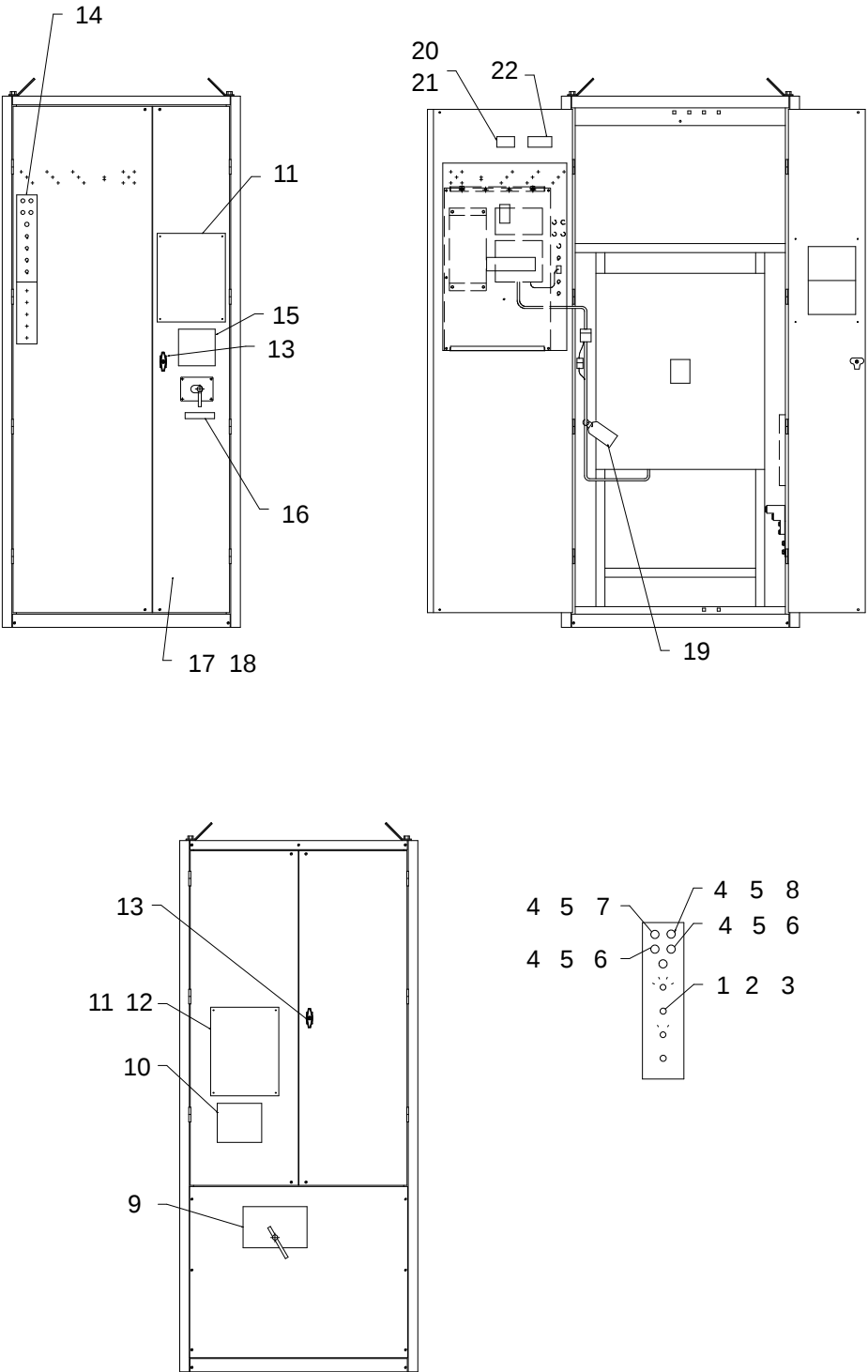
Automatic Transfer and Bypass Isolation, NEMA Type 1, 1000-1200 Amps.

Enclosures

Item	Description	Part Number
		1000-1200 Amp.
34	Button, plug	X-301-23 (24)
35	Channel, side	298783 (3)
36	Channel center vertical	298427 (2)
37	Channel, corner	298731
38	Ring, lock	151511
39	Lamp	295324 (4)
40	Lamp, socket	295325 (4)
41	Lens, white	295326 (2)
42	Lens, green	295327
43	Lens, red	295328
44	Decal	297938
45	Tie, cable	X-468-1 (4)
46	Tie, cable	X-468-2
47	Latch, T-handle	X-6132-4 (2)
48	Decal, Transfer Switch	X-6303-1
49	Nameplate, Automatic	320657
50	Nameplate, Serial No.	295392 (4)
51	Nameplate, Isolation Handle	297517
52	Nameplate, Status Indicator	297518 (2)
53	Nameplate, Operating Instructions	297715 (2)
54	Nameplate, Bypass Handle	297716
55	Decal, UL	320662
56	Tag, hang	297949
57	Screw, R.H.M. 10-24	X-50-8 (8)
58	Decal, Spectrum	X-6301-1
59	Decal, Notice	294414

Enclosures

Automatic Transfer and Bypass Isolation,
NEMA Type 1, 1600-2000 Amps.

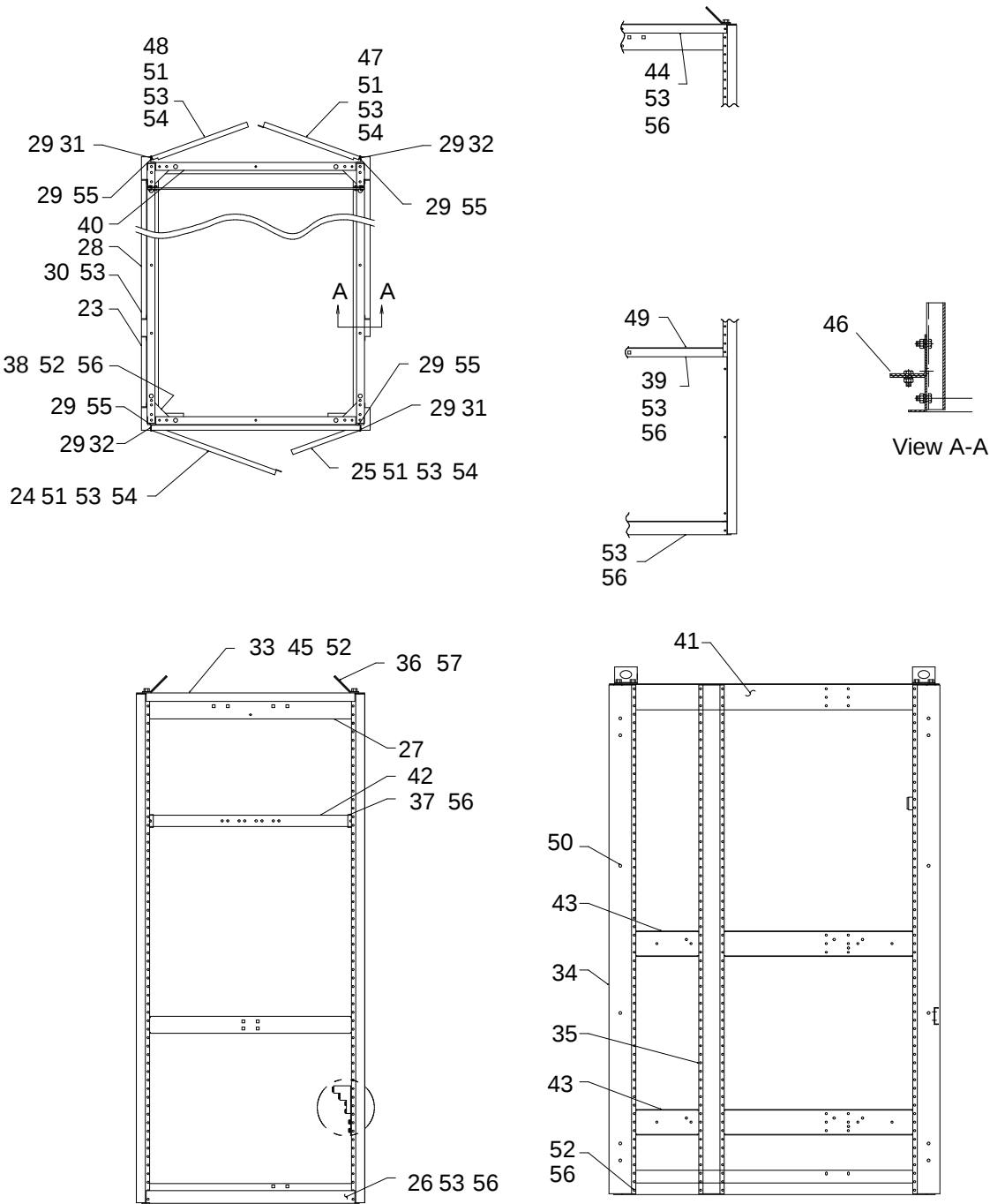


BM-295000

Automatic Transfer and Bypass Isolation, Enclosures NEMA Type 1, 1600-2000 Amps.

Item	Description	Part Number
		1600-2000 Amp.
1	Ring, lock	151511
2	Switch, toggle	295068
3	Tie, cable	X-468-1 (4)
4	Lamp	295324 (4)
5	Lamp, socket	295325 (4)
6	Lens, white	295326 (2)
7	Lens, green	295327
8	Lens, red	295328
9	Nameplate, Bypass Handle	297719
10	Nameplate, Operating Instructions	297718
11	Nameplate, Status Indicator	297518 (2)
12	Screw, R.H.M. 10-24 x 5	X-50-8 (8)
13	Latch, T-handle	X-6132-4 (2)
14	Decal	297938
15	Nameplate, Isolation Handle	297717
16	Nameplate, Isolation Handle	297720
17	Decal, Transfer Switch	X-6303-1
18	Decal, Spectrum	X-6301-1
19	Tag, hang	297949
20	Nameplate, Automatic	320657
21	Nameplate, serial no.	295392 (4)
22	Decal, UL	320662

Enclosures Automatic Transfer and Bypass Isolation, NEMA Type 1, 1600-2000 Amps.



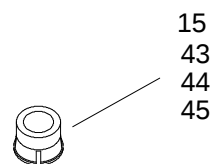
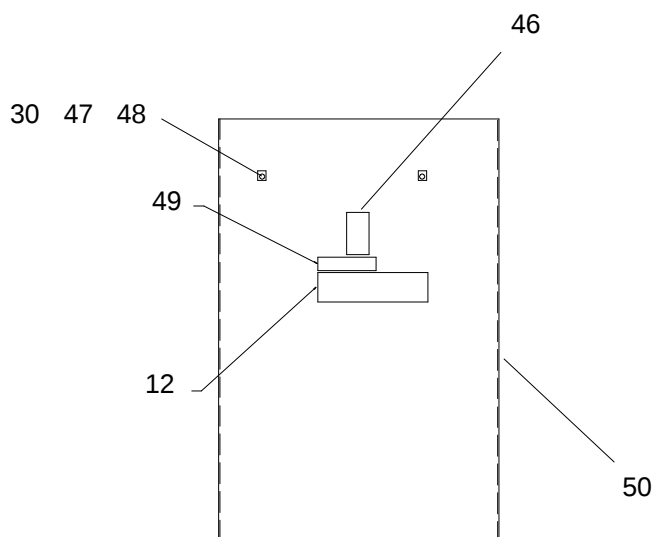
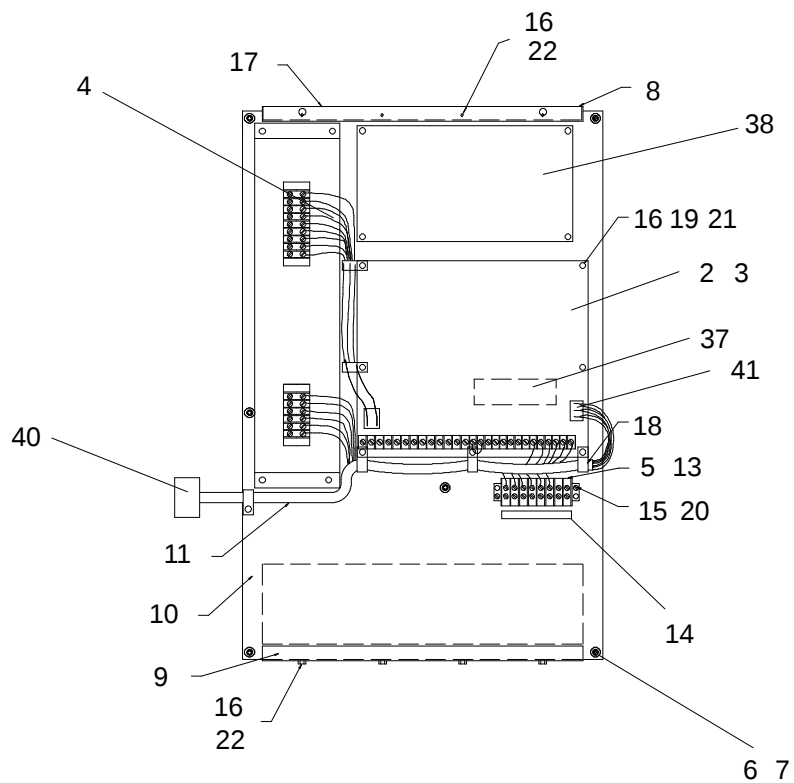
BM-295000

Automatic Transfer and Bypass Isolation, NEMA Type 1, 1600-2000 Amps.

Enclosures

Item	Description	Part Number
		1600-2000 Amp.
23	Panel, side	261793 (4)
24	Door, left front	294503
25	Door, right front	294504
26	Panel, spacer	294505 (2)
27	Channel, top	294506
28	Panel, side	294903 (2)
29	Screw, flat head machine	295098 (96)
30	Clip, speed	297596 (48)
31	Hinge, split	297600 (8)
32	Hinge, split	297601 (8)
33	Clip, speed	297952 (12)
34	Channel, corner	298425 (4)
35	Channel center vertical	298427 (2)
36	Bracket, lifting	298433 (8)
37	Bracket, mounting	298447 (2)
38	Brace, corner	298722 (4)
39	Panel, back	298837
40	Channel, top	298855
41	Channel, top-side	298856 (2)
42	Bus, ground	298857
43	Channel, side	298858 (3)
44	Panel, spacer (D)	298863
45	Plate, top	298860
46	Support, angle	298861 (2)
47	Door, left back	298866
48	Door, right back	298867
49	Channel, back	298868
50	Button, plug	X-301-23 (24)
51	Retainer, nut	X-6204-1 (8)
52	Screw, hex washer, 1/4-20 x .75	X-791-2(150)
53	Screw, hex washer, 1/4-20 x 1.5	X-791-3 (69)
54	Washer, lock, 1/4"	#(149)
55	Nut, 10-24	# (72)
56	Nut, 1/4-20	#(143)
57	Hardware, 3/8-16	# (8)

Common hardware, procure locally



BB-295000

Solid State

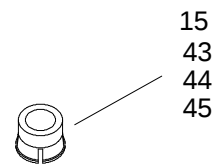
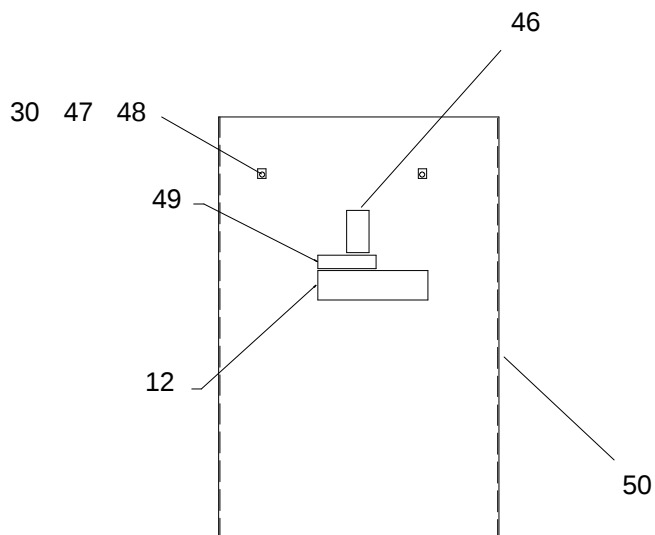
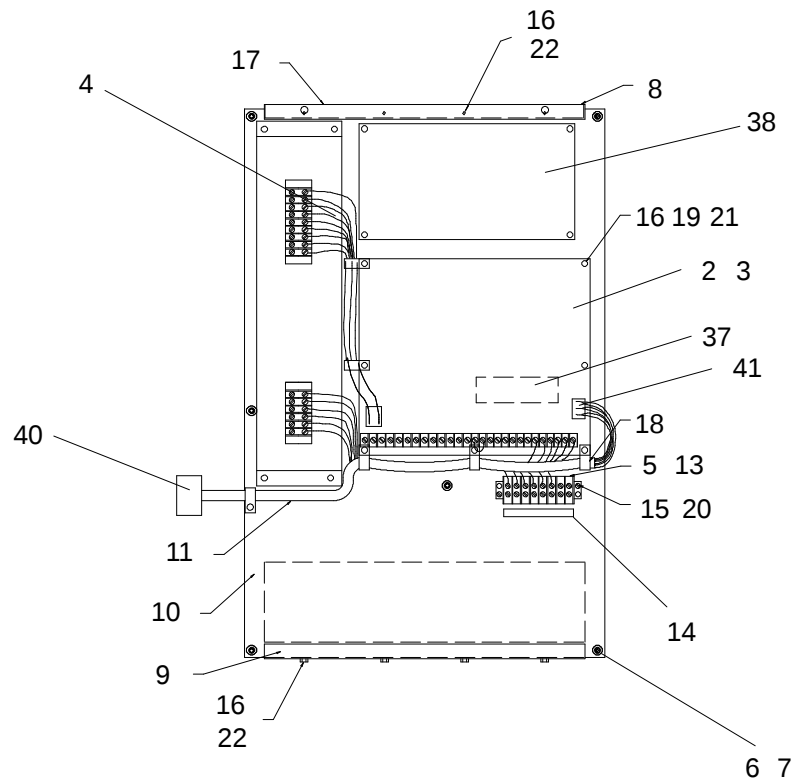
Inner Door Panel

Item	Description	Part Number			
		60 Hz		50 Hz	
		1 Phase	3 Phase	1 Phase	3 Phase
1	Inner panel complete (Includes items 2, 3,4,10,11,14,18,19, 21, 24, 25, 26, 27, 28, 42)	B-297487	B-297486	B-297489	B-297488
2	Logic cover assembly (Includes items 12, 29, 30, 31)	A-295132	A-295132	A-295132	A-295132
3	Board assembly, circuit (Main) (.6-60 Sec. Standard Time Delay) (Includes items 23, 32, 33, 34, 35, 36, 37)	C-297373	C-297375	D-297372	D-297374
4	Harness, wiring (To transformer assembly)	295136	295135	295136	295135
5	Cover, terminal strip	295925	295925	-----	-----
6	Nut, hex	X-76-2 (6)	X-76-2 (6)	X-76-2 (6)	X-76-2 (6)

Item	Description	Part Number
7	Spacer, .281 x. 500 x. 3	265861 (6)
8	Bracket	294316
9	Bracket	294317
10	Panel, inner	295005
11	Harness, wiring (To contactor, includes items 40 and 41)	295134
12	Decal, Transfer/Test	295261
13	Block, terminal	295266
14	Decal	295329
15	Nut, captive	298811 (2)
16	Washer, lock, 8	X-22-7 (19)
17	Grommet, 1 3/8	X-284-3
18	Tie (with mounting hole)	X-468-3 (4)
19	Screw, R.H.M., 8-32	X-51-2 (8)
20	Screw, R.H.M., 8-32	X-51-3 (2)
21	Grommet, plastic (Standoff)	X-593-2 (11)
22	Screw, drill	X-794-2 (8)
23	Jumper, two-terminal	X-4068-2 (3)
24	Bracket	295264 (2)

Item	Description	Part Number
25	Clip	295267 (2)
26	Washer, split-lock, 8	# (2)
27	Washer, internal tooth lock, 8	# (11)
28	Screw, R.H.M., 8-32 x 5/8"	# (2)
29	Stud	295278 (2)
30	Retainer	295279 (2)
31	Cover, logic	297611
32	Jumper, four-terminal	X-4068-4
33	Relay, EFR 12VAC	295254
	Relay, EFR 12VDC	295318
34	Relay, TDES	295255
35	Relay, NR1	295270
36	Relay, ER and NR	295253 (2)
37	Board, assembly, circuit (Relay) (Includes Item 39)	C-297878
38	Board, assembly, circuit (Accessory card cage)	A-295131
39	Clip, TDEC relay	269972

Common hardware, procure locally



Solid State

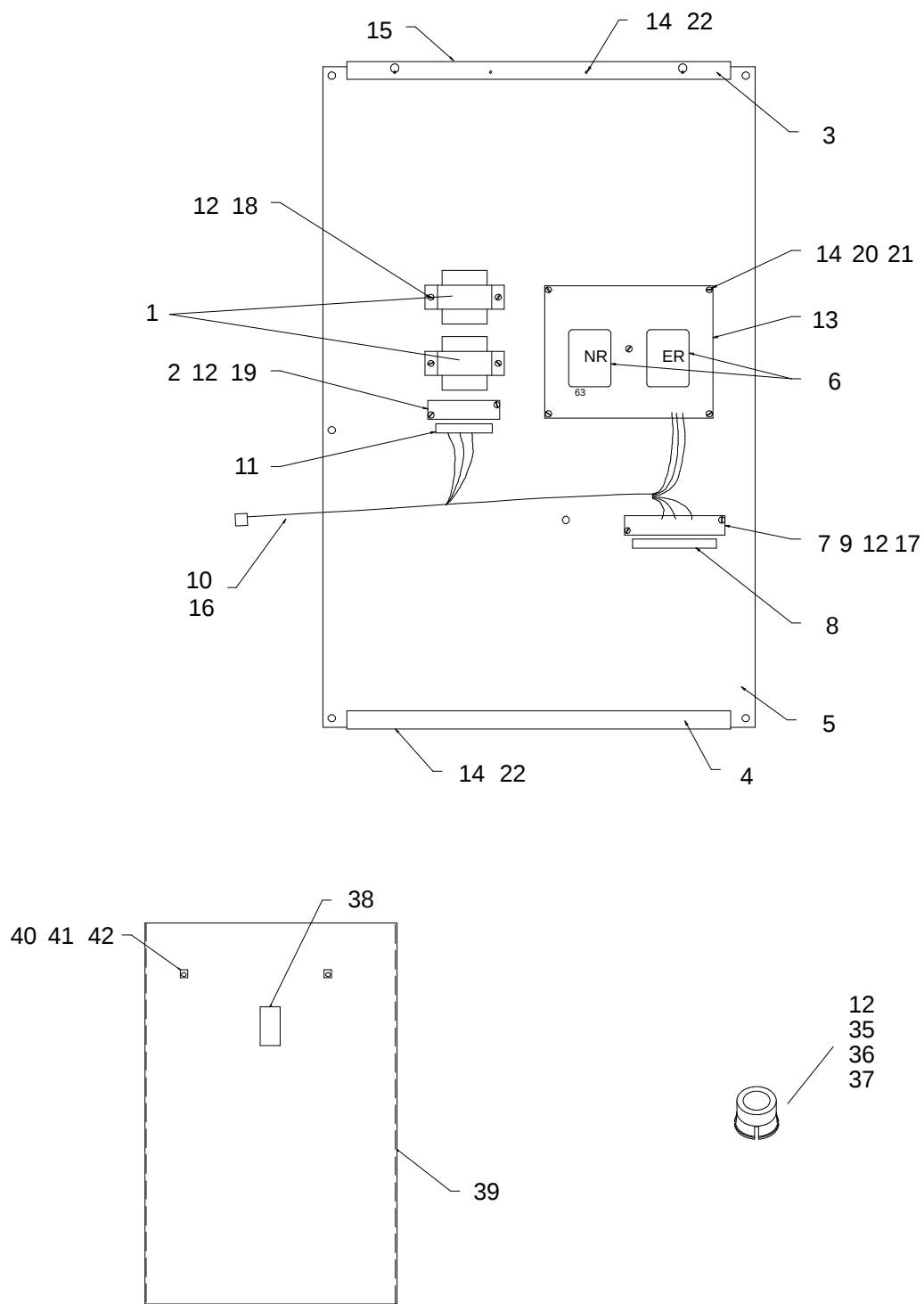
Item	Description	Part Number
40	Receptacle, wiring harness	295262
	Pins, female	295259 (24)
	Pins, male	295260 (24)
41	Plug, connector	241617
42	Decal, mounting requirements (Open models only.)	295933
43	Nut, captive 6-32, .312 hole	298810
44	Nut, captive 10-24, .406 hole	298820

Inner Door Panel

Item	Description	Part Number
45	Nut, captive 1/4-20, .500 hole	298821
46	Decal	294328
47	Stud	294326 (2)
48	Clip	294327 (2)
49	Decal	295933 (2)
50	Guard, plexiglass	294315

Inner Door Panel

Nonautomatic



BC-295000

Nonautomatic

Inner Door Panel

Voltage	Part Number	
	Inner Panel Complete (Includes items 1, 2, 5, 7, 8, 9, 10, 11, 13, 14, 16, 20, 21, 23, 24, 25, 26, 27, 28, 29)	Item 1 Transformer (2)
110-120	A-297806	295280
190-208	A-297807	295281
220-240	A-297808	295282
380-416	A-297809	295289
440-480	A-297810	295292
550-600	A-297811	295293

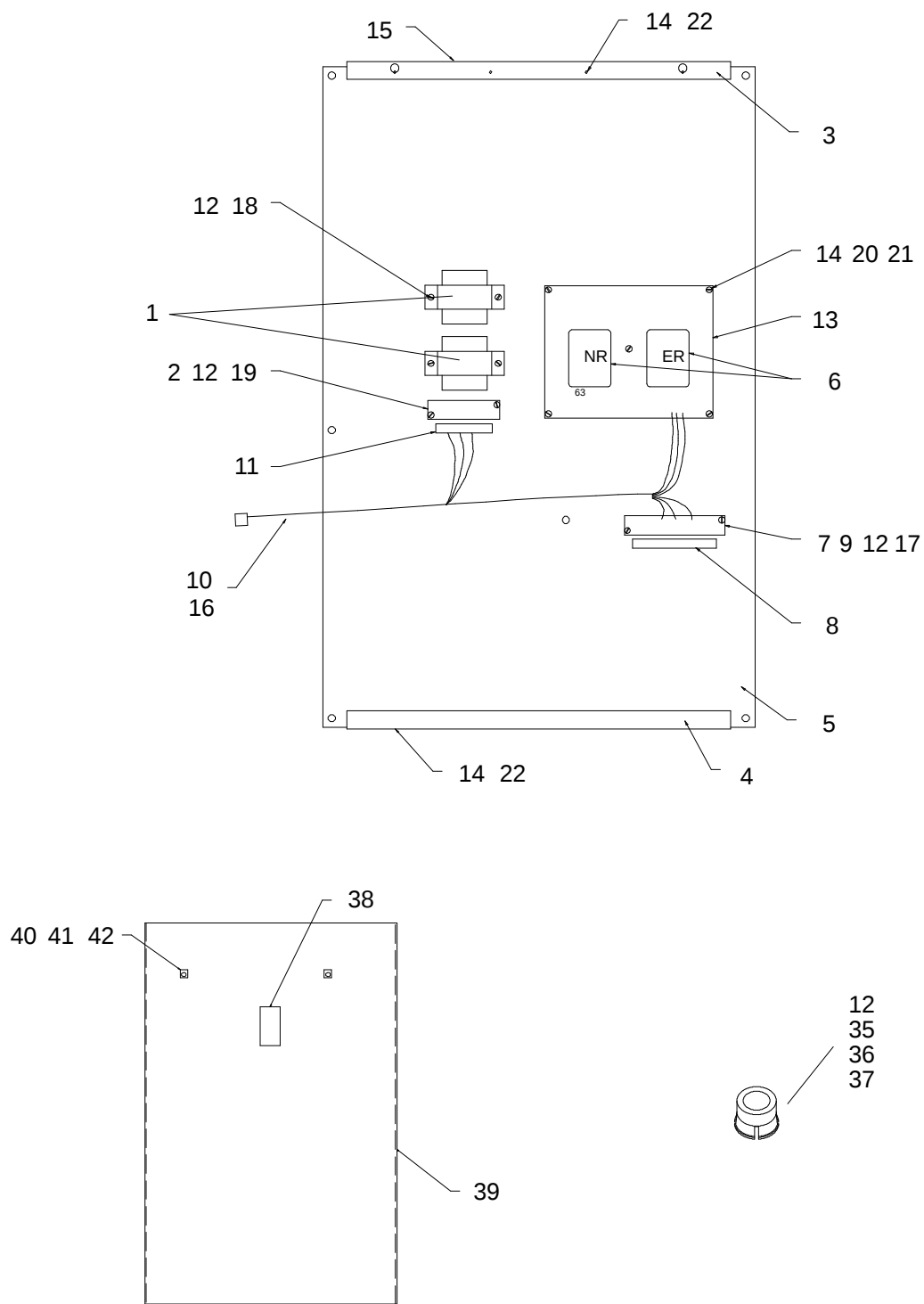
Item	Description	Part Number
2	Block, terminal	266118
3	Bracket	294316
4	Bracket	294317
5	Panel, inner	295005
6	Relay	295253 (2)
7	Block, terminal	295266
8	Decal	295329
9	Cover, terminal strip	295925
10	Harness, wiring (To contactor includes item 34)	297813
11	Decal, transformer connection	298389
12	Nut, captive 6-32, .312 hole	298810 (8)
13	PCB asy, ats non-automatic (Includes items 30, 31, 32, 33)	A-297818
14	Washer, lock, 8	X-22-7 (5)
15	Grommet, 1 3/8	X-284-3
16	Tie	X-468-3 (4)
17	Screw, R.H.M., 6-32 x 7/8	X-49-3 (2)
18	Screw, R.H.M.	X-49-36 (4)

Item	Description	Part Number
19	Screw, R.H.M., 6-32 x 3/4	X-49-6 (2)
20	Screw, R.H.M., 8-32 x 1 1/8"	X-51-2 (5)
21	Grommet, plastic	X-593-2 (5)
22	Screw, drill	X-794-2 (8)
23	Washer, lock, 6	# (10)
24	Washer, lock, 1/4"	# (6)
25	Block, two-terminal	X-405-2
26	Screw, R.H.M., 6-32 x 5/8"	# (10)
27	Nut, hex, 1/4-20	# (6)
28	Spacer, .281 x .5 x .375	265861 (6)
29	Decal, battery connection	298065
30	Clip, relay	269972 (3)
31	Screw, 6-32 x 5/8"	# (6)
32	Washer, plain, .156 x .375 x .049	# (6)
33	Nut, 6-32	# (6)
34	Receptacle, wiring harness	295262
	Pins, female	295259 (24)
	Pins, male	295260 (24)

Common hardware, procure locally

Inner Door Panel

Nonautomatic



BC-295000

Nonautomatic

Item	Description	Part Number
35	Nut, captive, 8-32, .406 hole	298811
36	Nut, captive, 10-24, .406 hole	298820
37	Nut, captive, 1/4-20, .500 hole	298821
38	Decal	294328

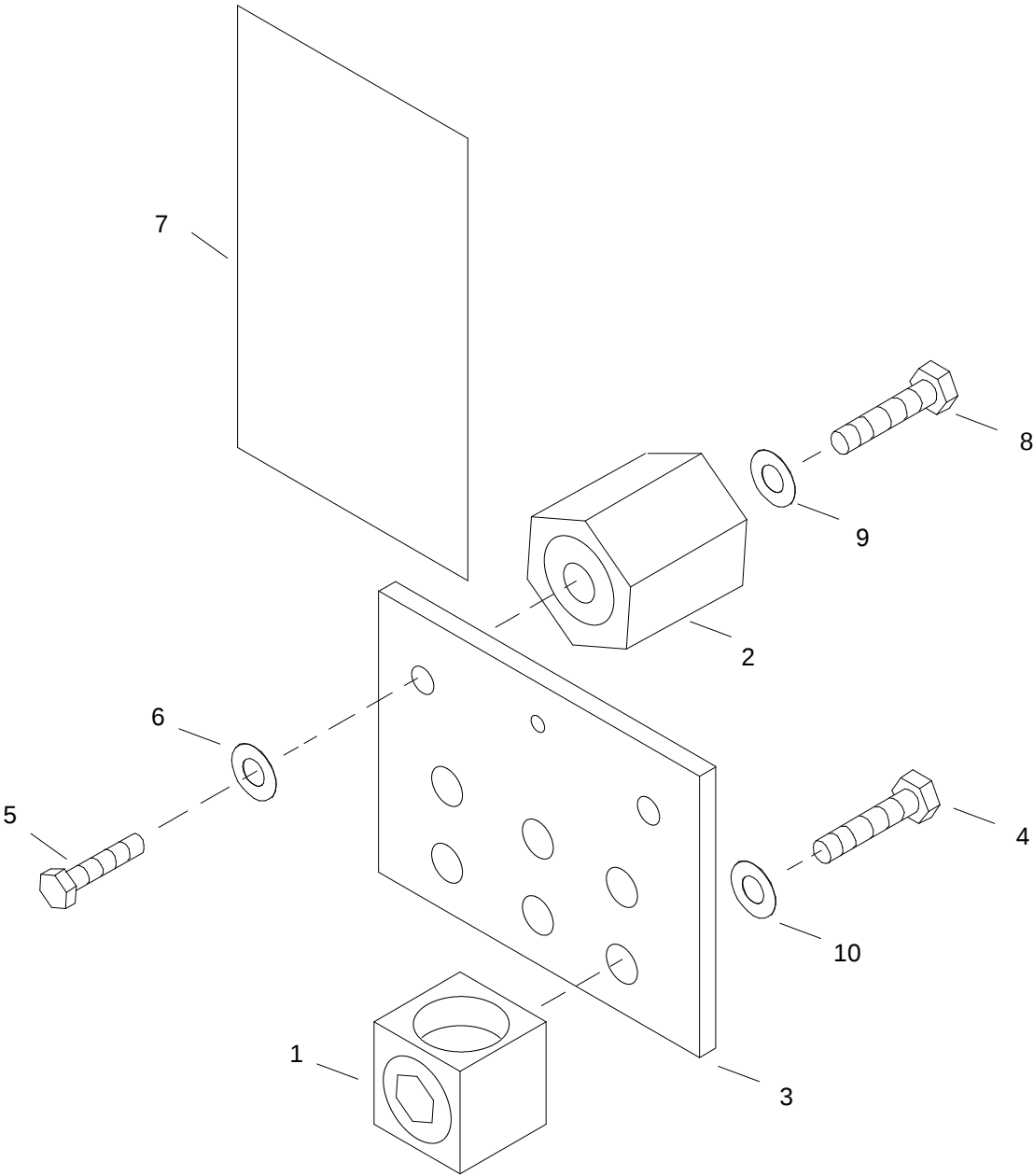
Inner Door Panel

Item	Description	Part Number
39	Guard, plexiglass	294315
40	Retainer	295279
41	Clip	294327
42	Stud	294326

NOTE

Nonautomatic (KN) inner panel group includes transformer assembly. To determine primary/secondary voltage of transformer see Transformer Assembly, "Transformer Chart."

Neutral Lug Assembly



BX-295000

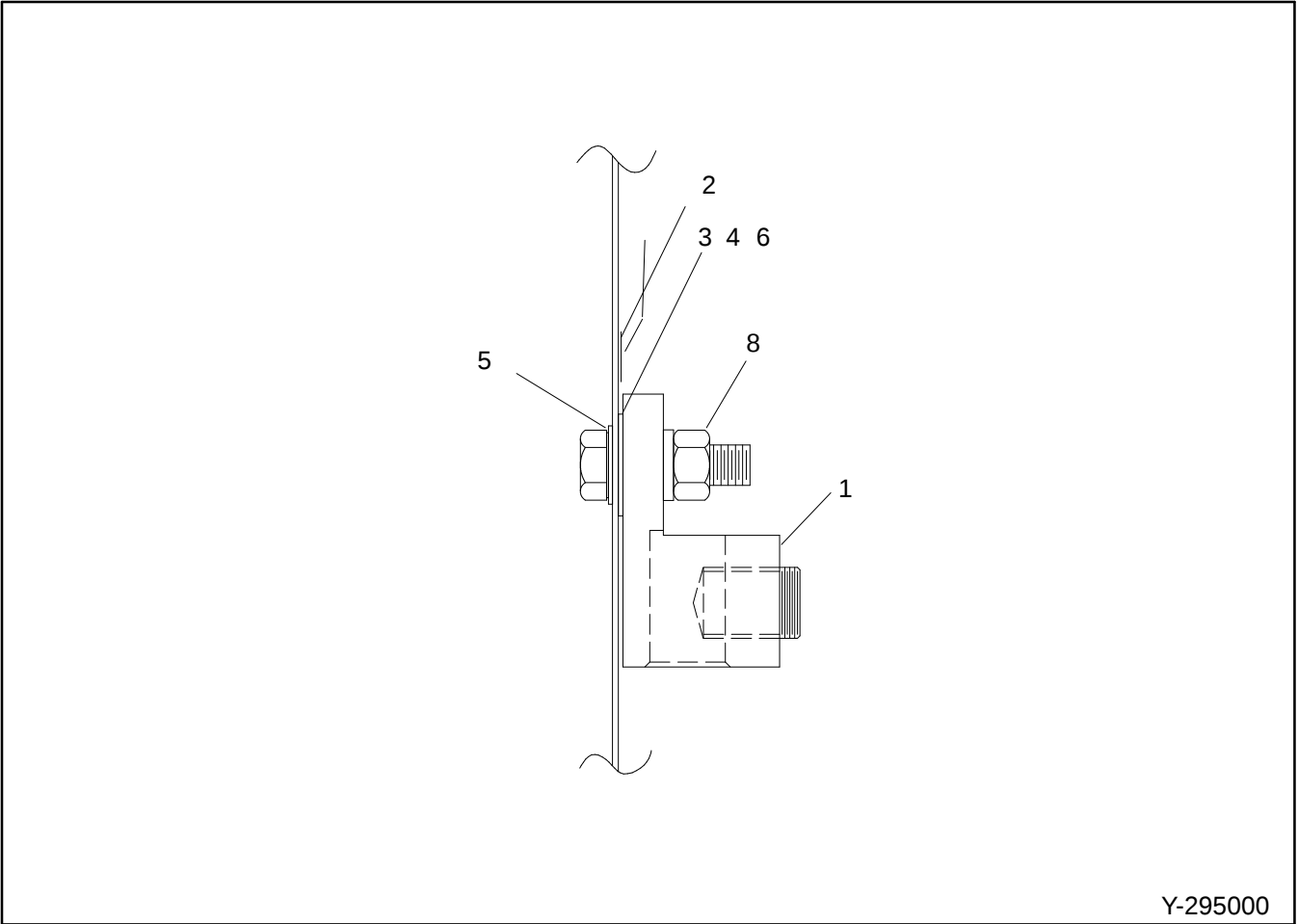
Neutral Lug Assembly

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 (standoff)	233269 (2)	233269 (2)	233568 (2)	233568 (2)	233568 (3)
3	Bracket, mounting	295304	297713	294362	294359	295298
4	Screw, H.C.	X-97-11 (3)	X-465-6 (3)	3/8-16 (3)	3/8-16 (3)	3/8-16 (6)
5	Screw, H.C.	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, neutral lug torque	297556	297556	297556	297556	297556
8	Screw, H.C.	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	X-22-9 (3)	X-22-11 (3)	-----	-----	-----

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

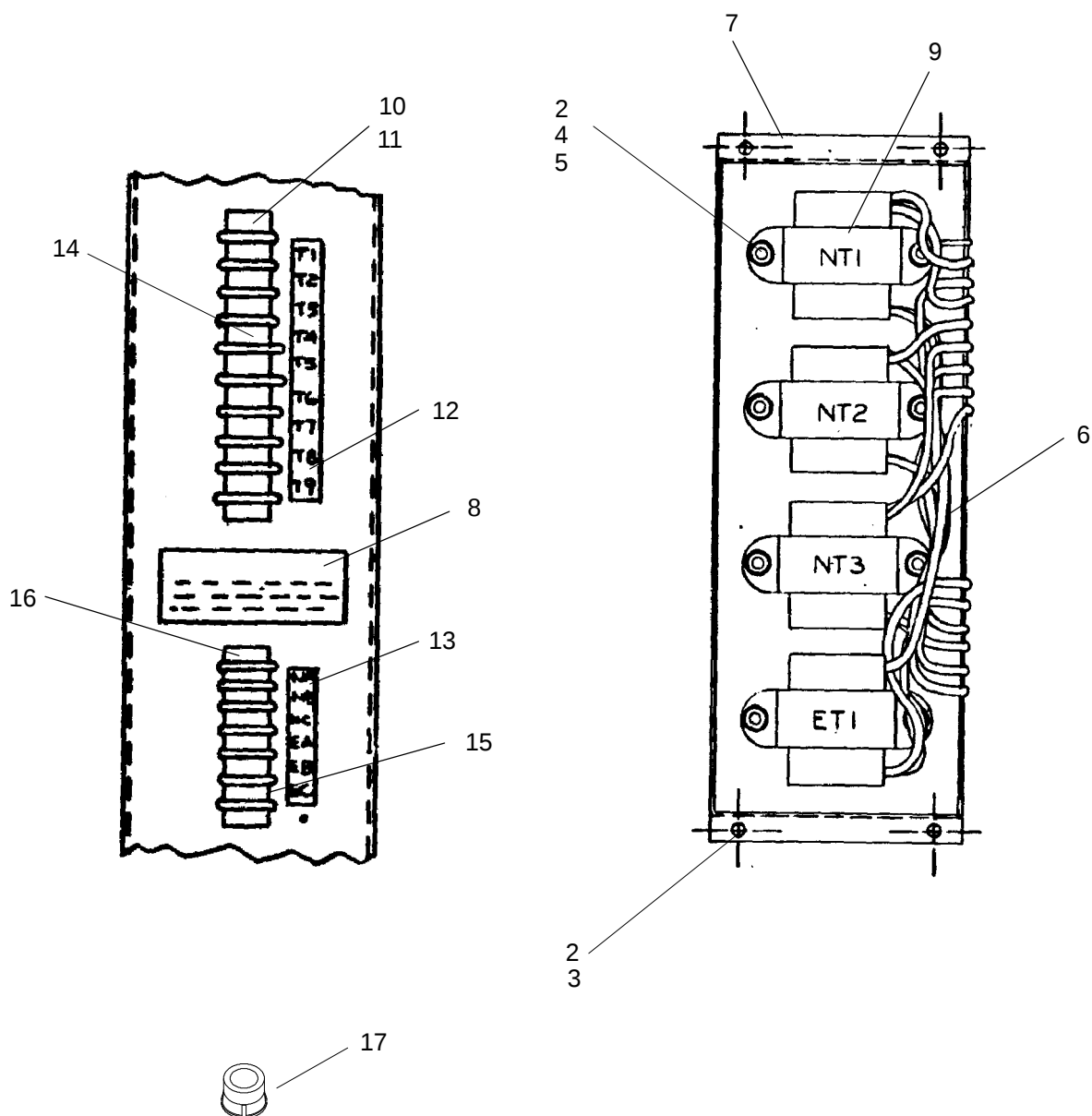
Neutral Lug Assembly

30-800 Amp. C.S.A.



Item	Description	Part Number			
		30-150 Amps.	225 Amps.	400 Amps.	600-800 Amps.
1	Lug, terminal	294533	295295	295067	295296
2	Decal, ground	238575	238575	238575	238575
3	Washer, shakeproof, 3/8 "	X-22-14	-----	-----	X-22-14 (2)
4	Washer, lock, 1/2 "	-----	-----	X-22-26	-----
5	Washer, plain	X-25-82	-----	X-25-59	X-25-82 (2)
6	Washer, lock, 1/2 "	-----	X-22-26	-----	-----
7	Washer, plain (Item not shown)	-----	X-25-59	-----	-----
8	Nut, hex	-----	X-89-17	X-89-17	-----

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Single-Phase Sensing 110-240 V

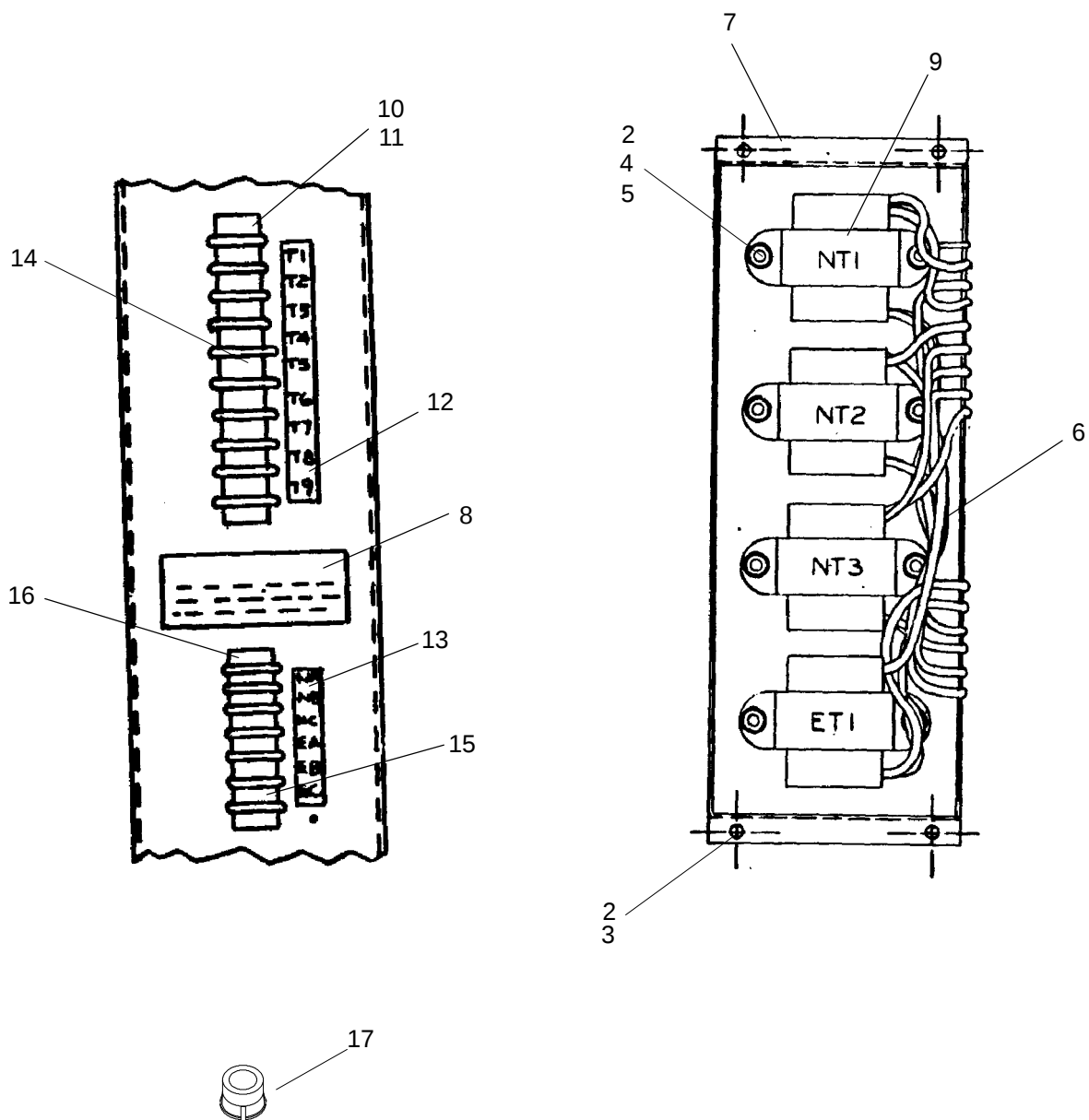
Transformer Assembly

Single-Phase Sensing on Emergency

Item	Description	Part Number			
		250/600 Volt			
		110 V, 50 Hz. 120 V, 60 Hz. 2 Pole/ 3 Pole 1	110 V, 50 Hz. 120 V, 60 Hz. 3 Pole 3	220 V, 50 Hz. 240 V, 60 Hz. 2 Pole/ 3 Pole 1	220 V, 50 Hz. 240 V, 60 Hz. 3 Pole 3
1	Transformer Assembly (Includes items 2-16)	A-295036	A-295041	A-295035	A-295038
2	Washer, lock, 8	# (8)	# (8)	# (8)	# (8)
3	Screw, 8-32 x 3/4"	X-51-9 (4)	X-51-9 (4)	X-51-9 (4)	X-51-9 (4)
4	Screw, R.H.M., 8-32 x 7/16"	X-51-5 (4)	X-51-5 (8)	X-51-5 (4)	X-51-5 (8)
5	Nut, 8-32	# (4)	# (8)	# (4)	# (8)
6	Terminal, insulink, 18 Ga.	-----	#	-----	#
7	Bracket, transformer	295021	295021	295021	295021
8	Decal, transfer assembly	295052	295057	295051	295054
9	Transformer	295280 (2)	295280 (2) 295284 (2)	295282 (2)	295282 (2) 295286 (2)
10	Washer, lock, 6	# (4)	# (4)	# (4)	# (4)
11	Screw, R.H.M., 6-32 x 3/4"	X-49-6 (4)	X-49-6 (4)	X-49-6 (4)	X-49-6 (4)
12	Decal, nine-terminal block	295306	295306	295306	295306
13	Decal, six-terminal block	295307	295307	295307	295307
14	Block, nine-terminal	295313	295313	295313	295313
15	Block, six-terminal	295314	295314	295314	295314
16	Cover, terminal strip (with mounting tabs)	295925	295925	295925	295925
17	Nut, captive	298811 (4)	298811 (4)	298811 (4)	298811 (4)

Transformer Assembly

Single-Phase Sensing
190-380 V

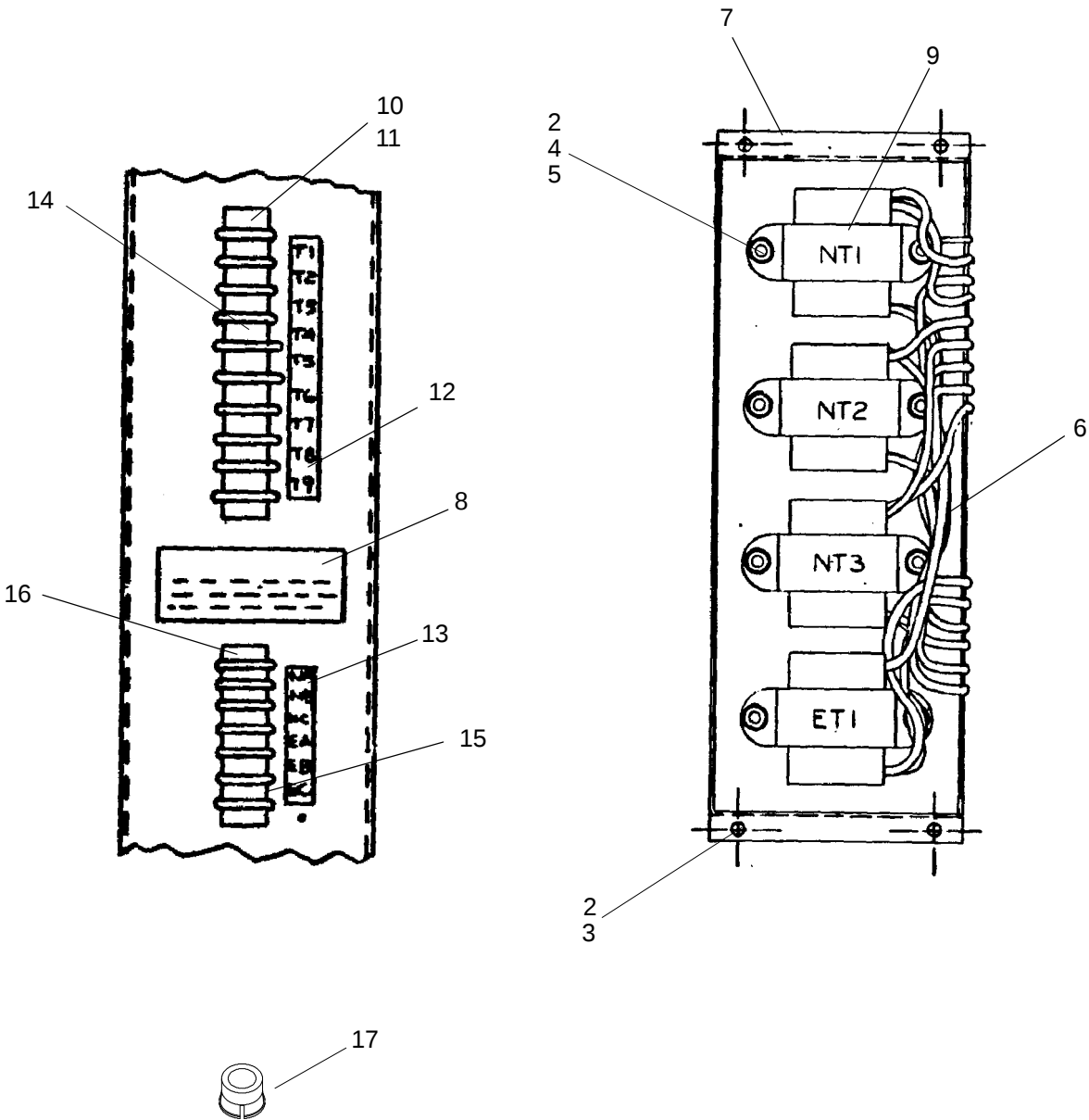


Single-Phase Sensing 190-380 V

Transformer Assembly

Single-Phase Sensing on Emergency

Item	Description	Part Number		
		250/600 Volt		600 Volt
		208 V, 60 Hz. 2 Pole/ 3 Pole 1	190 V, 50 Hz. 208V, 60 Hz. 3 Pole 3	380 V, 50 Hz. 3 Pole 3
1	Transformer Assembly (Includes items 2-17)	A-297049	A-295037	A-295042
2	Washer, lock, 8	# (8)	#(12)	#(12)
3	Screw, 8-32 x 3/4"	X-51-9 (4)	# (4)	# (4)
4	Screw, R.H.M., 8-32 x 7/16"	# (4)	# (8)	# (8)
5	Nut, 8-32	# (4)	# (8)	# (8)
6	Terminal, insulink, 18 Ga.	-----	#	#
7	Bracket, transformer	295021	295021	295021
8	Decal, transfer assembly	297051	295053	295058
9	Transformer	295281 (2)	295281 (2) 295285 (2)	295288 (2) 295290 (2)
10	Washer, lock, 6	# (4)	# (4)	# (4)
11	Screw, R.H.M., 6-32 x 3/4"	# (4)	# (4)	# (4)
12	Decal, nine-terminal block	295306	295306	295306
13	Decal, six-terminal block	295307	295307	295307
14	Block, nine-terminal	295313	295313	295313
15	Block, six-terminal	295314	295314	295314
16	Cover, terminal strip (with mounting tabs)	295925	295925	295925
17	Nut, captive	298811 (4)	298811 (4)	298811 (4)

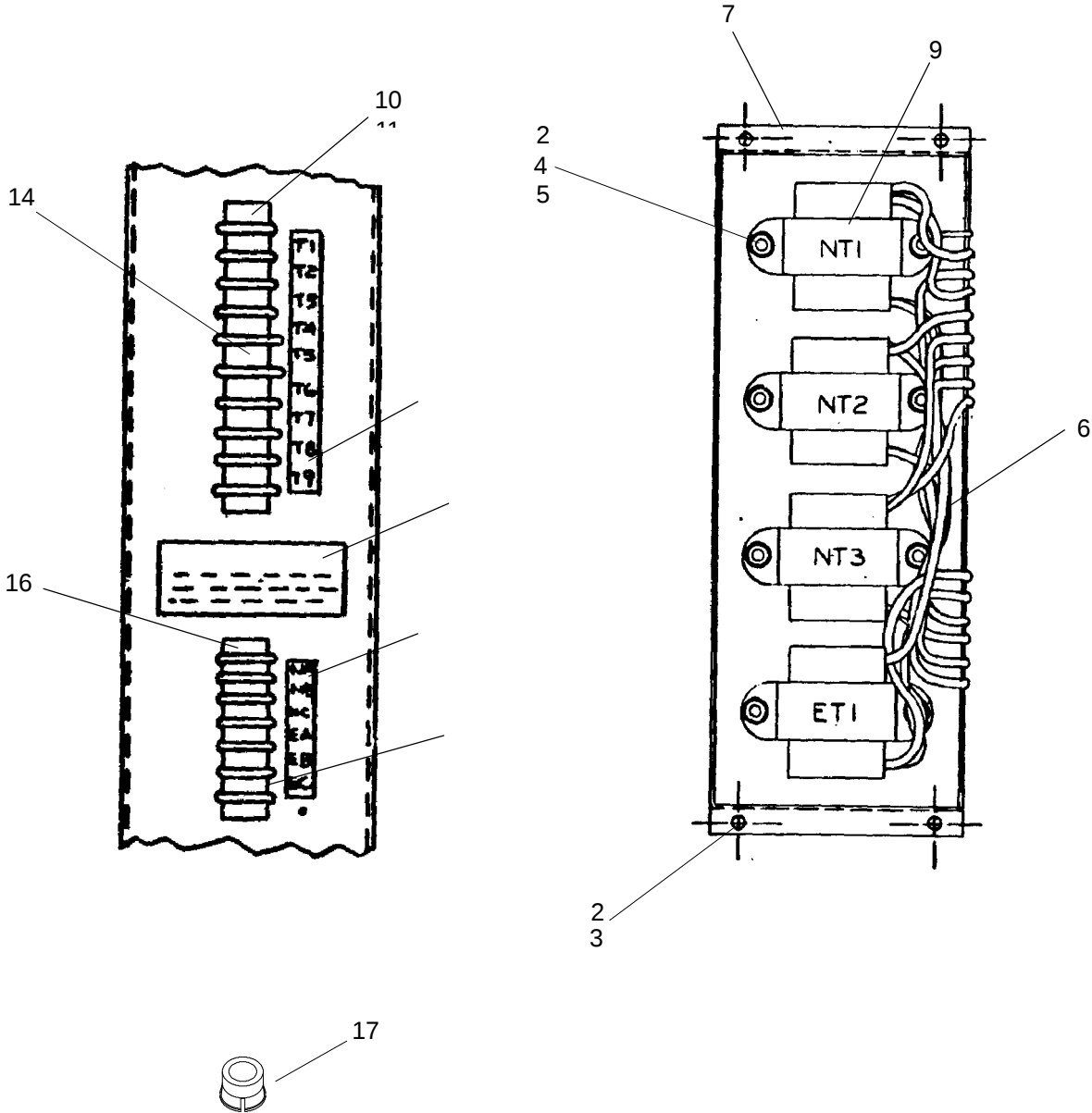


Single-Phase Sensing 416-600 V

Transformer Assembly

Single-Phase Sensing on Emergency

Item	Description	Part Number			
		600 Volt			
		416 V, 50 Hz. 3Pole 3	440 V, 50 Hz. 480 V, 60 Hz. 2 Pole/ 3Pole 1	440 V, 50 Hz. 480 V, 60 Hz. 3 Pole 3	550 V, 60 Hz. 600 V, 50 Hz. 3 Pole 3
1	Transformer Assembly (Includes items 2-17)	A-295043	A-297050	A-295039	A-295040
2	Washer, lock, 8	#(12)	# (8)	#(12)	#(12)
3	Screw, 8-32 x 3/4"	X-51-9 (4)	X-51-9 (4)	X-51-9 (4)	X-51-9 (4)
4	Screw, R.H.M., 8-32 x 7/16"	# (4)	# (4)	# (8)	# (8)
5	Nut, 8-32	# (4)	# (4)	# (8)	# (8)
6	Terminal, insulink, 18 Ga.	-----	-----	#	#
7	Bracket, transformer	295021	295021	295021	295021
8	Decal, transfer assembly	295059	297052	295055	295056
9	Transformer	295289 (2) 295291 (2)	295292 (2)	295292 (2) 295293 (2)	295283 (2) 295287 (2)
10	Washer, lock, 6	# (4)	# (4)	# (4)	# (4)
11	Screw, R.H.M., 6-32 x 3/4"	# (4)	# (4)	# (4)	# (4)
12	Decal, nine-terminal block	295306	295306	295306	295306
13	Decal, six-terminal block	295307	295307	295307	295307
14	Block, nine-terminal	295313	295313	295313	295313
15	Block, six-terminal	295314	295314	295314	295314
16	Cover, terminal strip (with mounting tabs)	295925	295925	295925	295925
17	Nut, captive	298811 (4)	298811 (4)	298811 (4)	298811 (4)



Three-Phase Sensing 110-240 V

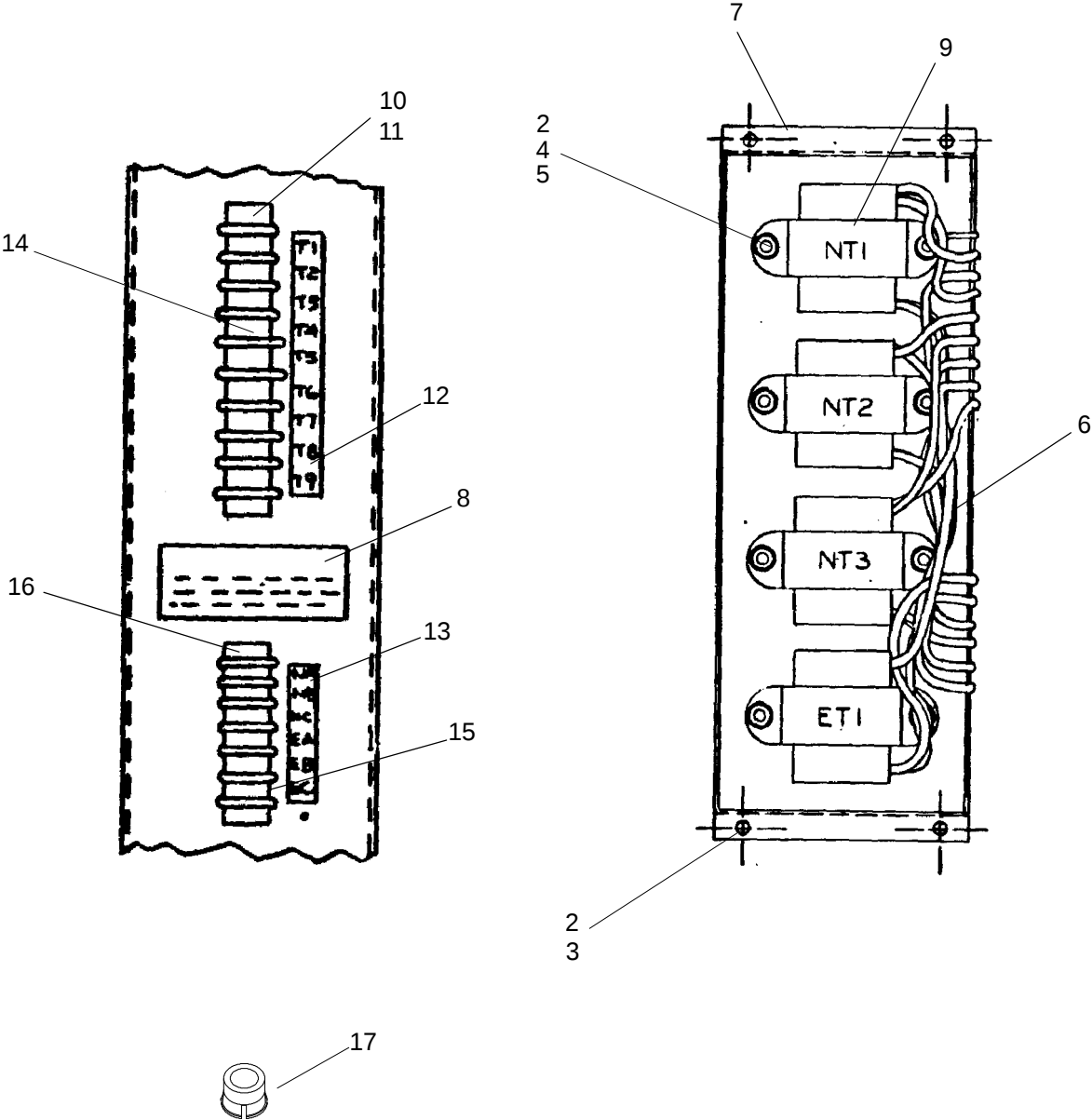
Transformer Assembly

Three-Phase Sensing on Emergency (All-Option - Solid State)

Item	Description	Part Number		
		250/600 Volt		
		110 V, 50 Hz. 120 V, 60 Hz. 3Pole 3	190 V, 50 Hz. 208 V, 60 Hz. 3Pole 3	220 V, 50 Hz. 240 V, 60 Hz. 3 Pole 3
1	Transformer Assembly (Includes items 2-17)	A-295048	A-295044	A-295045
2	Washer, lock, 8	#(16)	#(16)	#(16)
3	Screw, 8-32 x 3/4"	X-51-9 (4)	X-51-9 (4)	X-51-9 (4)
4	Screw, R.H.M., 8-32 x 7/16"	#(12)	#(12)	#(12)
5	Nut, 8-32	#(12)	#(12)	#(12)
6	Terminal, insulink, 18 Ga.	# (2)	# (2)	# (2)
7	Bracket, transformer	295020	295020	295020
8	Decal, transfer assembly	297064	295060	295061
9	Transformer	295280 (2) 295284 (4)	295281 (2) 295285 (4)	295282 (2) 295286 (4)
10	Washer, lock, 6	# (4)	# (4)	# (4)
11	Screw, R.H.M., 6-32 x 3/4"	# (4)	# (4)	# (4)
12	Decal, nine-terminal block	295306	295306	295306
13	Decal, six-terminal block	295307	295307	295307
14	Block, nine-terminal	295313	295313	295313
15	Block, six-terminal	295314	295314	295314
16	Cover, terminal strip (with mounting tabs)	295925	295925	295925
17	Nut, captive	298811 (4)	298811 (4)	298811 (4)

Transformer Assembly

Three-Phase Sensing
380-600 V



Three-Phase Sensing 380 V - 600 V

Transformer Assembly

Three-Phase Sensing on Emergency (All-Option - Solid State)

Item	Description	Part Number			
		600 Volt			
		380 V, 50 Hz. 3 Pole 3	416 V, 50 Hz. 3Pole 3	440 V, 50 Hz. 480 V, 60 Hz. 3Pole 3	550 V, 60 Hz. 600 V, 50 Hz. 3 Pole 3
1	Transformer Assembly (Includes item 2-17)	A-295049	A-295050	A-295046	A-295047
2	Washer, lock, 8	#(16)	#(16)	#(16)	#(16)
3	Screw, 8-32 x 3/4"	X-51-9 (4)	#X-51-9(4)	X-51-9 (4)	#X-51-9 (4)
4	Screw, R.H.M., 8-32 x 7/16"	#(12)	#(12)	#(12)	#(12)
5	Nut, 8-32	#(12)	#(12)	#(12)	#(12)
6	Terminal, insulink, 18 Ga.	# (2)	# (2)	# (2)	# (2)
7	Bracket, transformer	295020	295020	295020	295020
8	Decal, transfer assembly	295065	295066	295062	295063
9	Transformer	295288 (2) 295290 (4)	295289 (2) 295291 (4)	295292 (2) 295293 (4)	295283 (2) 295287 (4)
10	Washer, lock, 6	# (4)	# (4)	# (4)	# (4)
11	Screw, R.H.M., 6-32 x 3/4"	# (4)	# (4)	# (4)	# (4)
12	Decal, nine-terminal block	295306	295306	295306	295306
13	Decal, six-terminal block	295307	295307	295307	295307
14	Block, nine-terminal	295313	295313	295313	295313
15	Block, six-terminal	295314	295314	295314	295314
16	Cover, terminal strip (with mounting tabs)	295925	295925	295925	295925
17	Nut, captive	298811 (4)	298811 (4)	298811 (4)	298811 (4)

Transformer Assembly

NOTE

For nonautomatic (KN) transformer assembly.
See Inner Panel.

NOTE

All-option automatic - solid state models use a
transformer assembly with six transformers.

NOTE

Use transformer chart to differentiate between
transformers when more than one part number is
used for a given transformer assembly.

Transformer Chart

Part Number	Primary Voltage	Secondary Voltage
295280	110/120	24
295281	190/208	24
295282	220/240	24
295283	550/600	24
295284	110/220	12
295285	190/208	12
295286	220/240	12
295287	550/600	12
295288	380	24
295289	416	24
295290	380	12
295291	416	12
295292	440/480	24
295293	440/480	12

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Accessories Introduction

Common hardware is available only by ordering the kit number. Individual leads do not appear in this catalog. Some 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.

When the same kit appears for more than one accessory it is due to the nature of how it was ordered. Accessories can be ordered "installed" on the enclosure or "For Separate Mounting" where it is electrically connected but not mounted to the enclosure. When two kits appear to be identical in terms of their components it is due to differences of non-serviceable items (e.g. hardware, leads, etc.). When an accessory is available as a field installable kit it will carry the "PA" designation.

NOTE F

Accessories 01-BS3, 01-BS4, 01-BS5, 01-BS6 offer a time delay of 1-30 min. If standard time delay of .6-60 sec. is used, see Inner Panel for proper circuit board assembly.

NOTE G

Time Delay Relay 295154 was replaced by kit 296276 which includes relay 297251, socket 295034, and relay clamp 297834.

NOTE

If accessories indicate "Consult Factory," contact Spectrum™, Service Parts Dept., N7650 County Trunk LS, Sheboygan, WI 53081 U.S.A. Telephone (414) 565-3381.

Time Delays

KA-Accessory	Kit Number	Description	Part Number
01-AR	PA-295600-SD	Time Delay Normal to Emergency 0.6-60 Sec. (30-800 Amps.) 0-5 Min. (1000-4000 Amps.) Relay	295320
01-BR	PA-295604-SD	Time Delay Normal to Emergency (1-30 Min.) Relay Clamp, relay	295319 297835
01-BS3	PA-297494-SD	Time Delay Normal to Emergency (1-30 Min.) Board assy., circuit (Includes the following:) Jumper, two-terminal (2) Jumper, four-terminal Clip, relay (3) Relay, ER and NR (2) Relay, EFR (12VDC) (See note F) Relay, TDES Relay, NRI Clip, NRI relay Decal, loosen locknuts Clamp, TDES relay	C-297383 X-6048-2 X-6048-4 269972 295253 295318 295255 295270 295271 297812 297835
01-BS4	PA-297495-SD	Time Delay Normal to Emergency (1-30 Min.) Board assy., circuit (Includes the following:) Jumper, two-terminal (2) Jumper, four-terminal Clip, relay (3) Relay, ER and NR (2) Relay, EFR (12VDC) (See note F) Relay, TDES Relay, NRI Clip, NRI relay Decal, loosen locknuts Clamp, TDES relay	C-297381 X-6048-2 X-6048-4 269972 295253 295318 295255 295270 295271 297812 297835
01-BS5	PA-297496-SD	Time Delay Normal to Emergency (1-30 Min.) Board assy., circuit (Includes the following:) Jumper, two-terminal (2) Jumper, four-terminal Clip, relay (3) Relay, ER and NR (2) Relay, EFR (12VDC) (See note F) Relay, TDES Relay, NRI Clip, NRI relay Decal, loosen locknuts Clamp, TDES relay	C-297382 X-6048-2 X-6048-4 269972 295253 295318 295255 295270 295271 297812 297835

Time Delays, Continued

KA-Accessory	Kit Number	Description	Part Number
01-BS6	PA-297497-SD	Time Delay Normal to Emergency (1-30 Min.) Board assy., circuit Includes: Jumper, two-terminal (2) Jumper, four-terminal Clip, relay (3) Relay, ER and NR (2) Relay, EFR (12VDC) (See note F) Relay, TDES Relay, NRI Decal, loosen locknuts Clamp, TDES relay	D-297380 X-6048-2 X-6048-4 269972 295253 295318 295255 295270 297812 297835
02-AR	PA-295601-SD	Time Delay Engine Starting 3-20 Sec. (30-800 Amps.) Jumper, two-terminal Relay	X-6048-2 295263
02-AS	PA-295602-SD	Time Delay Engine Starting 3-20 Sec. (30-800 Amps.) Relay	295263
02-E	PA-295603-SD	Time Delay Engine Starting (3 Sec.) Jumper, two-terminal Relay	X-6048-2 295255
02-FR	PA-297065-SD	Time Delay Engine Starting (20-240 Sec.) Jumper, two-terminal Relay	X-6048-2 295974
02-FS	PA-297066-SD	Time Delay Engine Starting (20-240 Sec.) Relay	295974
02-GR	PA-297004-SD	Time Delay Engine Starting 0.5-6 Sec. (30-800 Amps.) Jumper, two-terminal Relay	X-6048-2 295975
02-GS	PA-297005-SD	Time Delay Engine Starting 0.5-6 Sec. (30-800 Amps.) Relay	295975
02-HR	PA-297332-SD	Time Delay Engine Starting (3-30 Min.) Relay	294989
02-HS	PA-297142-SD	Time Delay Engine Starting (3-30 Min.) Relay	297141
02-JS		Time Delay Engine Starting (1 Sec.) Relay	298057
03-CF	PA-295604-SD	Time Delay Emergency to Normal Relay Clamp, relay	295319 297835
04-CR	PA-295604-SD	Time Delay Engine Cool– Off (1-30 Min.) Relay Clamp, relay	295319 297835
04-CS	PA-295606-SD	Time Delay Engine Cool– Off (1-30 Min.) Circuit board assy. Relay	B-295112 295248
04-DR	PA-295604-SD	Time Delay Engine Cool– Off (5 Min.) Relay Clamp, relay	295319 297835

Time Delays, Continued

KA-Accessory	Kit Number	Description	Part Number
04-DS	PA-297068-SD	Time Delay-Engine Cool-Off (5 Min.)	
		Spacer, fiber	X-712-2
		Rectifier, bridge	241610
		Socket, relay	295034
		Relay	295319
		Clamp, relay	297834

Emergency Frequency/Voltage Cards

KA-Accessory	Kit Number	Description	Part Number
05-AS	PA-295607-SD	Emergency Underfrequency Card Board assy., circuit	B-295107
05-CS	PA-295608-SD	Emergency Overfrequency Card Board assy., circuit	B-295108
05-DS	PA-295609-SD	1 Emergency Undervoltage Card Board assy., circuit	B-295116
05-ES	PA-295610-SD	1 Emergency Overvoltage Card Board assy., circuit	B-295121
05-FS1	PA-295643-SD	3 Emergency Undervoltage Card 120/208V Transformer assy. Board assy., circuit	A-295044 B-295115
05-FS2	PA-295373-SD	3 Emergency Undervoltage Card 277/480V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295046 B-295115 X-468-1 X-593-2
05-FS3	PA-295374-SD	3 Emergency Undervoltage Card 550/600V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295047 B-295115 X-468-1 X-593-2
05-FS4	PA-295370-SD	3 Emergency Undervoltage Card 110-120V/120-240V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295045 B-295115 X-468-1 X-593-2
05-FS5	PA-295371-SD	3 Emergency Undervoltage Card 220-380V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295049 B-295115 X-468-1 X-593-2
05-FS6	PA-295372-SD	3 Emergency Undervoltage Card 240-416V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295050 B-295115 X-468-1 X-593-2

Emergency Frequency/Voltage Cards, Continued

KA-Accessory	Kit Number	Description	Part Number
05-GS1	PA-295644-SD	3 Emergency Overvoltage Card 120-208V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295044 B-295120 X-468-1 X-593-2
05-GS2	PA-295378-SD	3 Emergency Overvoltage Card 277-480V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295046 B-295120 X-468-1 X-593-2
05-GS3	PA-295379-SD	3 Emergency Overvoltage Card 550-600V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295047 B-295120 X-468-1 X-593-2
05-GS4	PA-295375-SD	3 Emergency Overvoltage Card 110-120V/120-240V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295045 B-295120 X-468-1 X-593-2
05-GS5	PA-295376-SD	3 Emergency Overvoltage Card 220-380V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295049 B-295120 X-468-1 X-593-2
05-GS6	PA-295377-SD	3 Emergency Overvoltage Card 240-416V Transformer assy. Board assy., circuit Tie, cable (6) Grommet, plastic (6)	A-295050 B-295120 X-468-1 X-593-2

Phase Rotation Sequence Protection

KA-Accessory	Kit Number	Description	Part Number
05-HB	PA-297282-SD	Phase Rotation Sequence Protection Kit 208V Relay Nut, captive (8)	297279 298811
05-HD	PA-297283-SD	Phase Rotation Sequence Protection Kit 38-416V Relay Nut, captive (8)	297280 298811
05-HE	PA-297284-SD	Phase Rotation Sequence Protection Kit 440-480V Relay (2) Nut, captive (8)	297281 298811
05-HF	PA-320550-SD	Phase Rotation Sequence Protection Kit 500-600V Terminal (10) Screw, R.H.M. 6-32 x 3/8 (8) Nut (expense), whiz 6-32 (8) Diagram, wiring Harness, wiring Nut, captive (8) Relay, phase failure (2)	X-285-1 X-49-2 X-6210-3 294332-S 294347 298811 320549

Phase Rotation Sequence Protection, Continued

KA-Accessory	Kit Number	Description	Part Number
05-JB	PA-320552-SD	Phase Rotation Sequence Protection Kit 190-240V Terminal (5) Harness, wiring Relay, phase failure Nut, captive (4)	X-285-1 294347 297279 298811
05-JD	PA-320553-SD	Phase Rotation Sequence Protection Kit 380-460V Terminal (5) Harness, wiring Relay, phase failure Nut, captive (4)	X-285-1 294347 297280 298811
05-JE	PA-320554-SD	Phase Rotation Sequence Protection Kit 440-480V Terminal (5) Harness, wiring Relay, phase failure Nut, captive	X-285-1 294347 297281 298811
05-JF	PA-320555-SD	Phase Rotation Sequence Protection Kit 550-600V Terminal (5) Harness, wiring Nut, captive Relay, phase failure	X-285-1 294347 298811 320549

Test Switches

KA-Accessory	Kit Number	Description	Part Number
06-A	PA-295611-SD	Momentary Test Switch (Loose) Ring, lock Switch, toggle	151511 295068
06-A3		Momentary Test Switch (Nema Type 3R and 12) Switch, operator Contact assembly	298036 298046
06-B		Momentary Test Switch Ring, lock Switch, toggle	151511 295068
06-B1		Momentary Test Switch Switch (mechanical) operator Contact (electrical) assembly	298036 298046
06-B3		Momentary Test Switch (Nema Type 3R & 12) Switch, operator Contact assembly	298036 298046
06-C	PA-295612-SD	Maintained Test Switch (Loose) Ring, lock Switch, toggle	151511 268015
06-D		Maintained Test Switch Ring, lock Switch, toggle	151511 268015
06-E	PA-297055-SD	Momentary Keylock Test Switch (Loose) Switch, key Decal, Auto Test	297007 297008

Test Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
06-E3	PA-294420-SD	Momentary Keylock Test Switch (Loose)	
		(Nema Type 3R & 12)	
		Switch, operator	298041
		Decal	294421
06-F		Contact assembly	298046
		Momentary Keylock Test Switch	
		Ring, lock	151511
		Switch, key	297007
06-F3		Decal, Auto Test	297008
		Momentary Keylock Test Switch (Nema Type 3R & 12)	
		Decal	294429
		Switch, operator	298041
06-G	PA-297056-SD	Maintained Keylock Test Switch (Loose)	
		Switch, key	297006
		Decal, Auto Test	297008
06-G3	PA-294428-SD	Maintained Keylock Test Switch (Nema Type 3R & 12)	
		Decal	294429
		Switch, operator	298040
		Contact assembly	298046
06-H		Maintained Keylock Test Switch	
		Ring, lock	151511
		Switch, key	297006
		Decal, Auto Test	297008
06-H3		Maintained Keylock Test Switch (Nema Type 3R & 12)	
		Decal	294429
		Switch, operator	298040
06-L	PA-297534-SD	Three-Position Test Switch (Loose)	
		Switch, selector	297349
		Decal, Auto Test (with/without load)	297532
06-L3	PA-294431-SD	Three-Position Test Switch (Nema Type 3R & 12)	
		Decal	294432
		Contact assembly	297350
		Switch, operator	298055
06-M		Three-Position Test Switch	
		Switch, selector	297349
		Decal, Auto Test (with/without load)	297532
06-M3		Three-Position Test Switch (Nema Type 3R & 12)	
		Decal	294432
		Contact assembly	297350
		Switch, operator	298055

Selector Switches

KA-Accessory	Kit Number	Description	Part Number
07-C	PA-295613-SD	Four-Position Selector Switch (Loose)	
		Ring, lock	151511
		Switch, selector	295323
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
07-DR		Four-Position Selector Switch	
		Ring, lock	151511
		Nut, weatherproof	295155
		Switch, selector	295323
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
07-DS		Four-Position Selector Switch	
		Ring, lock	151511
		Nut, weatherproof	295155
		Switch, selector	295323
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
07-ER		Four-Position Key Selector Switch	
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
		Switch, selector	297552
07-ES		Four-Position Key Selector Switch	
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
		Switch, selector	297552
07-F	PA-297553-SD	Four-Position Key Selector Switch (Loose)	
		Plug, button	X-301-23
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
		Switch, selector	297552
		(Standard key switch removable in auto only)	
07-FR	PA-297502-SD	Four-Position Key Selector Switch (Loose)	
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
		Switch, selector	297501
		(Key removable in any position)	
07-FS	PA-297503-SD	Four-Position Key Selector Switch (Loose)	
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
		Switch, selector	297501
		(Key removable in any position)	

Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
07-GS		Four-Position Key Selector Switch (Loose)	
		Tie, cable (6)	X-468-1
		Ring, lock	151511
		Nut, weatherproof	295155
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
		Switch, selector (Open switches, no enclosures)	297552
07-HS		Four-Position Selector Switch (For Nema 12)	
		Plug, button	X-301-29
		Socket, light	X-6127-1
		Lens, white	X-6127-5
		Ring, lock	151511
		Adapter, tab	287571
		Lamp	298840
		Switch, selector	298854

Pushbutton Override Switches

KA-Accessory	Kit Number	Description	Part Number
08-A		Pushbutton Override to Normal (Loose)	
		Ring, lock	151511
		Switch, toggle	295030
		Nameplate, Automatic Test	295086
08-AR	PA-295616-SD	Pushbutton Override to Normal (Loose)	
		Ring, lock	151511
		Switch, toggle	295030
		Decal	297938
08-AR3	PA-294417-SD	Switch By-Pass Kit	
		Switch, operator	298037
		Contact assembly	298050
08-AS	PA-294871-SD	Pushbutton Override to Normal	
		Ring, lock	151511
		Switch, toggle	295033
		Socket, relay	295034
		Clamp, relay hold down	295189
		Relay	295254
		Decal	297938
08-AS3		Nut, captive (2)	298810
		Pushbutton Override to Normal (Nema Type 3R & 12)	
		Socket, relay	295034
		Clamp, relay hold down	295189
		Relay	295254
		Switch, operator	298037
		Contact assembly	298050
		Nut, captive (2)	298810

Pushbutton Override Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
08-B		Pushbutton Override to Normal (Loose)	
		Ring, lock	151511
08-CR	PA-295616-SD	Switch, toggle	295033
		Pushbutton Override to Normal	
		Ring, lock	151511
08-CR3		Switch, toggle	295030
		Decal	297938
		Pushbutton Override to Normal	
08-CS	PA-295617-SD	Switch, operator	298037
		Contact, assembly	298050
08-CS1	PA-295617-SD	Pushbutton Override to Normal	
		Ring, lock	151511
		Switch, toggle	295033
		Socket, relay	295034
		Clamp, relay hold down	295189
		Relay	295254
08-CS3	PA-294419-SD	Nut, captive (2)	298810
		Pushbutton Override to Normal	
08-CS1		Switch, operator	298037
		Contact, assembly	298050
08-CS3	PA-294419-SD	Pushbutton Override to Normal	
		Socket, relay	295034
		Clamp, relay hold down	295189
		Relay	295254
		Switch, operator	298037
		Contact assembly	298050
08-DR		Nut, captive (2)	298810
		Pushbutton Override to Normal	
08-DR		Ring, lock	151511
		Switch, toggle	295033

Engine Lock Switches

KA-Accessory	Kit Number	Description	Part Number
09-A	PA-297536-SD	Engine Lock Switch (Loose)	
		Ring, lock	151511
		Switch, toggle	268015
09-A3	PA-294434-SD	Decal, Engine Disconnect	297788
		Engine Lockout Switch (Loose) (Nema Type 3R & 12)	
		Decal	294435
09-B		Switch, operator	298039
		Contact assembly	298046
09-B		Engine Lockout Switch	
		Ring, lock	151511
		Switch, toggle	268015

Engine Lock Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
09-B3		Engine Lockout Switch (Nema Type 3R & 12)	
		Decal	294435
		Harness Wiring	295134
		Switch, operator	298039
09-D	PA-297537-SD	Contact assembly	298046
		Engine Lockout Key Switch (Loose)	
		Switch, key	297006
		Decal, Auto Test	297008
09-D3	PA-294438-SD	Decal, Engine Disconnect	297788
		Engine Lockout Key Switch (Loose) (Nema Type 3R & 12)	
		Switch, operator	298040
		Contact assembly	298046
09-E		Decal	294439
		Harness wiring	294441
		Engine Lockout Key Switch	
		Ring, lock	151511
09-E3		Switch, key	297006
		Decal, Engine Disconnect	297788
		Engine Lockout Key Switch (Nema Type 3R & 12)	
		Decal	294439
		Switch, operator	298040
		Contact assembly	298046
		Harness wiring	294441

Solenoid Disconnect Switches

KA-Accessory	Kit Number	Description	Part Number
09-F	PA-297538-SD	Solenoid Disconnect Switch (Inhibitor Switch) (Loose)	
		Ring, lock	151511
		Switch, toggle	238357
		Nameplate, Solenoid Disconnect	297786
09-F3	PA-294442-SD	Solenoid Disconnect Switch (Loose) (3R & 12)	
		Decal	294443
		Switch, operator	298039
		Contact assembly	298046
09-G	PA-297538-SD	Solenoid Disconnect Switch (Inhibitor Switch) (Loose)	
		Ring, lock	151511
		Switch, toggle	238357
		Nameplate, Solenoid Disconnect	297786
09-G3		Solenoid Disconnect Switch	
		Decal	294447
		Harness, wiring	295134
		Switch, operator	298039
		Contact Operator	298046
		Block, contact	298052

Solenoid Disconnect Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
09-H		Solenoid Disconnect Switch (Inhibitor Switch) (Loose)	
		Switch (mechanical) operator	298040
		Contact (electrical) assembly	298050
		Nameplate, Solenoid Disconnect	298373
09-H3	PA-294446-SD	Solenoid Disconnect Switch	
		Switch, operator	298040
		Decal	294447
		Contact assembly	298046
09-J		Solenoid Disconnect Switch (Inhibitor Switch)	
		Switch (mechanical) operator	298040
		Contact (electrical) assembly	298050
		Nameplate, Solenoid Disconnect	298373
09-J3		Solenoid Disconnect Switch	
		Decal	294447
		Harness, wiring	294449
		Switch, operator	298040
		Contact assembly	298046
		Block, contact	298052

Two-Position Selector Switches

KA-Accessory	Kit Number	Description	Part Number
10-BR		Two-Position Selector Switch (One Generator Source)	
		Block, terminal	266118
		Nut, weatherproof	295155
		Decal, Engine Start Terminal	295177
		Switch, selector	295317
		Decal, Manual Transfer (225-400 Amp.)	295333
		Decal, Manual Transfer (600-800 Amp.)	295334
		Harness, wiring	295399
		Decal, Source No.	297278
10-BS	PA-295618-SD	Two-Position Selector Switch (One Generator Source)	
		Block, terminal	266118
		Decal, Engine Start Terminal	295177
		Switch, selector	295317
		Decal	295314
		Harness, wiring	295399
		Decal, Source No.	297278
		Nut, captive	298811
		10-C (See 10-BR or 10-BS)	

Two-Position Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
10-DR		Two-Position Selector Switch (Two Generator Sources)	
		Block, terminal	266118
		Nut, weatherproof	295155
		Harness, wiring	295176
		Decal, Engine Start Terminal	295177
		Switch, selector	295317
		Decal, Manual Transfer (225-400 Amp.)	295333
		Decal, Manual Transfer (600-800 Amp.)	295334
		Decal, Source No.	297278
10-DS	PA- 295620-SD	Two-Position Selector Switch (Two Generator Sources)	
		Block, terminal	266118
		Nut, weatherproof	295155
		Harness, wiring	295176
		Decal, Engine Start Terminal	295177
		Switch, selector	295317
		Decal, Manual Transfer (225-400 Amp.)	295333
		Decal, Manual Transfer (600-800 Amp.)	295334
		Decal, Source No.	297278
10-EE (See 10-ES)			
10-ES		Two-Position Selector Switch (with 50 Hz. Timer)	
		Rectifier, bridge	241610
		Block, terminal	266118
		Wiring, harness	295134
		Pin, trip (cyclemaster timer) (4)	295153
		Decal, Engine Start Terminal	295177
		Clock, time	295312
		Decal, Manual Transfer (225-400 Amp.)	295333
		Decal, Manual Transfer (600-800 Amp.)	295334
		Harness, wiring	295399
		Transformer	297048
		Decal, Source No.	297278
		Bracket, mounting	297511
		Switch, selector	297512
		Screw, 8-32 x 4 (3)	X-51-52
		Sleeve (spacer) (3)	265235
		Lever, trip (lumenite timer)	298532
		Screw, trip (lumenite timer) (13)	296277
		Nut, captive 6-32	298810
		Nut, captive 8-32 (11)	298811

Two-Position Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
10-FS		Two-Position Selector Switch (with 60 Hz. Timer)	
		Fuse (2)	X-6135-5
		Block, fuse (2)	X-6129-4
		Block, terminal	266118
		Screw, R.H.M. 6-32 (8)	X-51-15
		Screw, R.H.M. 6-32 (6)	X-49-26
		Clock, time	294541
		Decal, Engine Start	295177
		Harness, wiring	295399
		Transformer	297048
		Track	294622
		Bracket, mounting	297511
		Switch, selector	294870
		Sleeve (spacer) (3)	265235
		Nut, captive 6-32 (6)	298810
		Nut, captive 8-32 (8)	298811
10-GS		Two-Position Selector Switch	
		Block, terminal	266118
		Nut, weatherproof	295155
		Decal, Engine Start	295177
		Switch, selector	295317
		Decal, Manual Transfer (225-400 Amp.)	295333
		Decal, Manual Transfer (600-800 Amp.)	295334
		Harness, wiring	295399
		Decal, Source No.	297278
		Harness, wiring	297694
		Nut, captive 8-32 (2)	298811

Pilot Lights

KA-Accessory	Kit Number	Description	Part Number
12-A	PA-295622-SD	Green-Normal Pilot Light (Loose)	
		Decal, Stripes	297938
		Lamp	295324
		Socket, lamp	295325
		Lens	295327
12-A3	PA-294460-SD	Panel Lamp Kit	
		Light, pilot base	X-6127-1
		Lens, green	X-6127-4
		Decal	297938
12-B	PA-295624-SD	Lamp	298840
		Red-Emergency Pilot Light (Loose)	
		Decal, Stripes	297938
		Lamp	295324
		Socket, lamp	295325
		Lens	295328

Pilot Lights, Continued

KA-Accessory	Kit Number	Description	Part Number
12-B1	PA-297152-SD	Red-Emergency Pilot Light (Loose)	
		Lamp	295324
		Socket, lamp	297977
		Lens	295972
12-BR3	PA-294464-SD	Red-Emergency Pilot Light (Loose)	
		Light, pilot-base	X-6127-1
		Lens, red	X-6127-2
		Bulb	283420
12-BS3	PA-294462-SD	Red-Emergency Pilot Light (Loose)	
		Light, pilot-base	X-6127-1
		Lens, red	X-6127-2
		Bulb	283420
12-CR		Green-Normal Pilot Light	
		Lamp	295324
		Socket, lamp	295325
		Lens	295327
12-CR1	PA-297150-SD	Green-Normal Pilot Light	
		Lamp	295324
		Socket, lamp	297977
		Lens	295985
12-CR3		Green-Normal Pilot Light (Nema Type 3R & 12)	
		Light, pilot-base	X-6127-1
		Lens, green	X-6127-4
		Bulb	283420
12-CS		Green-Normal Pilot Light	
		Lamp	295324
		Socket, lamp	295325
		Lens	295327
12-CS1		Green-Normal Pilot Light	
		Lamp	295324
		Socket, lamp	297977
		Lens	295985
12-CS3		Green-Normal Pilot Light (Nema Type 3R & 12)	
		Light, pilot-base	X-6127-1
		Lens, green	X-6127-4
		Bulb	283420
12-DR		Red-Emergency Pilot Light	
		Lamp	295324
		Socket, lamp	295325
		Lens	295328
12-DR1		Red-Emergency Pilot Light	
		Lamp	295324
		Socket, lamp	297977
		Lens	295972

Pilot Lights, Continued

KA-Accessory	Kit Number	Description	Part Number
12-DR3		Red-Emergency Pilot Light (Nema Type 3R & 12)	
		Light, pilot-base	X-6127-1
		Lens, red	X-6127-2
		Bulb	283420
		Lamp	298840
		Red-Emergency Pilot Light	
		Lamp	295324
		Socket, lamp	295325
12-DS		Lens	295328
		Red-Emergency Pilot Light	
		Lamp	295324
		Socket, lamp	297977
12-DS1		Lens	295972
		Red-Emergency Pilot Light (Nema Type 3R & 12)	
		Light, pilot-base	X-6127-1
		Lens, red	X-6127-2
12-DS3		Bulb	283420
		Lamp	298840
		White-Normal Pilot Light (Loose)	
		Nameplate, Automatic Test	297938
12-E	PA-295626-SD	Lamp	295324
		Socket, lamp	295325
		Lens	295326
		White-Normal Pilot Light (Loose)	
12-E1	PA-297154-SD	Lamp	295324
		Socket, lamp	297977
		Lens	295986
		White-Normal Pilot Light (Nema Type 3R & 12)	
12-E3	PA-294466-SD	Light, pilot-base	X-6127-1
		Lens, clear	X-6127-5
		Bulb	283420
		Lamp	298840
		Tap, wire	298317
12-F	PA-295628-SD	White-Emergency Pilot Light (Loose)	
		Nameplate, Automatic Test	297938
		Lamp	295324
		Socket, lamp	295325
12-F1	PA-297156-SD	Lens	295326
		White-Emergency Pilot Light (Loose)	
		Lamp	295324
		Socket, lamp	297977
12-F3	PA-294468-SD	Lens	295986
		White-Emergency Pilot Light (Nema Type 3R & 12)	
		Light, pilot-base	X-6127-1
		Lens, clear	X-6127-5
		Bulb	283420
		Lamp	298840

Pilot Lights, Continued

KA-Accessory	Kit Number	Description	Part Number
12-GR		White-Normal Pilot Light	
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
12-GR1		White-Normal Pilot Light	
		Lamp	295324
		Socket, lamp	297977
		Lens	295986
12-GR3		White-Normal Pilot Light	
		Light, pilot-base	X-6127-1
		Lens, clear	X-6127-5
		Lamp	298840
		Tap, wire	298317
12-GS		White-Normal Pilot Light	
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
12-GS1		White-Normal Pilot Light	
		Lamp	295324
		Socket, lamp	297977
		Lens	295986
12-GS3		White-Normal Pilot Light (Nema Type 3R & 12)	
		Light, pilot-base	X-6127-1
		Lens, clear	X-6127-5
		Lamp	298840
		Tap, wire	298317
12-HR		White-Emergency Pilot Light	
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
12-HR1		White-Emergency Pilot Light	
		Lamp	295324
		Socket, lamp	297977
		Lens	295986
12-HR3		White-Emergency Pilot Light (Nema Type 3R & 12)	
		Light, pilot-base	X-6127-1
		Lens, clear	X-6127-5
		Lamp	298840
12-HS		White-Emergency Pilot Light	
		Lamp	295324
		Socket, lamp	295325
		Lens	295326
12-HS1		White-Emergency Pilot Light	
		Lamp	295324
		Socket, lamp	297977
		Lens	295986
12-HS3		White-Emergency Pilot Light (Nema Type 3R & 12)	
		Light, pilot-base	X-6127-1
		Lens, clear	X-6127-5
		Lamp	298840

Pilot Lights, Continued

KA-Accessory	Kit Number	Description	Part Number
12-JR 12-JS		Green-Normal Pilot Light Socket, light Lens, green Lamp	X-6127-1 X-6127-4 298840
12-KR 12-KS		Red-Emergency Pilot Light Socket, light Lens, red Lamp	X-6127-1 X-6127-2 298840
12-LR 12-LS		White-Normal Pilot Light Socket, light Lens, white Tap, wire Lamp	X-6127-1 X-6127-5 298317 298840
12-MR 12-MS		White-Emergency Pilot Light Socket, light Lens, white Lamp	X-6127-1 X-6127-5 298840
12-T		Push to Test Lamp Switch Switch, operator Block, contact (2) Block, contact Contact assembly Nameplate	298037 298051 298052 298054 298313

Auxiliary Contacts

KA-Accessory	Kit Number	Description	Part Number
14-C		Auxiliary Relay Contacts (Normal) Socket, relay Hold-down clamp, relay Relay	295034 295189 295254
14-D		Auxiliary Relay Contacts (Emergency) Socket, relay Hold-down clamp, relay Relay	295034 295189 295254
15-EA	PA-297146-SD	Auxiliary Contacts (Normal) Aux. contact (SP)	295166
15-EB	PA-295789-SD	Auxiliary Contacts (Normal) Aux. contact (SP)	295167
15-EC		Auxiliary Contacts (Normal) Aux. contact (SP)	295169
15-FA	PA-297293-SD	Auxiliary Contacts (Emergency) 30-150 Amp. Plate, insulator Aux. contact (SP)	297275 295166
15-FB		Auxiliary Contacts (Emergency) 225-400 Amp. Aux. contact (4SP)	295167
15-FC		Auxiliary Contacts (Emergency) 600-800 Amp. Aux. contact (SP)	295169

Auxiliary Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
15-GA		Auxiliary Contacts (Normal) 30-150 Amp. Plate, insulator (2) Aux. contact (SP) (2)	297275 295166
15-GB		Auxiliary Contacts (Normal) 225-400 Amp. Aux. contact (4SP)	295167
15-GC		Auxiliary Contacts (Normal) 600-800 Amp. Actuator, contact Aux. contact (SP) (2)	295170 295169
15-GD		Auxiliary Contacts (Normal) 1000-1200 Amp. Aux. contact (4SP)	297997
15-GE		Auxiliary Contacts (Normal) 1600-2000 Amp. Aux. contact	297576
15-GF		Auxiliary Contacts (Normal) 3000 Amp. Aux. contact	297576
15-GG		Auxiliary Contacts (Normal) 4000 Amp. Aux. contact	297576
15-HA		Auxiliary Contacts (Emergency) 30-150 Amp. Plate, insulator (2) Aux. contact (SP) (2)	295275 295166
15-HB		Auxiliary Contacts (Emergency) 225-400 Amp. Aux. contact (SP)	295167
15-HC		Auxiliary Contacts (Emergency) 600-800 Amp. Actuator, contact Aux. contact (SP) (2)	295170 295169
15-HD		Auxiliary Contacts (Emergency) 1000-1200 Amp. Aux. contact (4SP)	297997
15-HE		Auxiliary Contacts (Emergency) 1600-2000 Amp. Aux. contact	297576
15-HF		Auxiliary Contacts (Emergency) 3000 Amp. Aux. contact	297576
15-HG		Auxiliary Contacts (Emergency) 4000 Amp. Aux. contact	297576
15-JA		Auxiliary Contacts (Normal) 30-150 Amp. Aux. contact (SP) (3)	295166
15-JB		Auxiliary Contacts (Normal) 225-400 Amp. Aux. contact (4SP) Aux. contact (SPDT) (2)	295167 295168
15-JC		Auxiliary Contacts (Normal) 600-800 Amp. Aux. contact (SP) (3) Actuator, contact	295169 295170
15-KA		Auxiliary Contacts (Emergency) Aux. contact (SP) (3) Plate, insulator (3)	295166 297275
15-KB		Auxiliary Contacts (Emergency) 30-150 Amp. Aux. contact (4SP) Aux. contact (SPST) (2)	295167 295168
15-KC		Auxiliary Contacts (Emergency) 225-400 Amp. Aux. contact (SP) (3) Actuator, contact	295169 295170

Auxiliary Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
15-LB		Auxiliary Contacts 225-400 Amp. Aux. contact	295167
15-LD		Auxiliary Contacts Aux. contact	297997
15-LE		Auxiliary Contacts Aux. contact	297576
15-MB		Auxiliary Contacts Aux. contact Aux. contact	295167 295168

Frequency Meters

KA-Accessory	Kit Number	Description	Part Number
18-GA	PA-295645-SD	Frequency Meter Kit 120 Volt Fuse (2 Amp.) Holder, fuse Meter, frequency Decal	239049 239050 295069 297939
18-GB	PA-295646-SD	Frequency Meter Kit 208 Volt Fuse (2 Amp.) Holder, fuse Meter, frequency U-clip	239049 239050 295347 297937
18-GC	PA-295647-SD	Frequency Meter Kit 240 Volt Fuse (2 Amp.) Holder, fuse Meter, frequency U-clip	239049 239050 295348 297937
18-GD	PA-295648-SD	Frequency Meter Kit 380 Volt Fuse (2 Amp.) Holder, fuse Meter, frequency Transformer U-clip	239049 239050 295069 295300 297937
18-GE	PA-295649-SD	Frequency Meter Kit 416 Volt Fuse (2 Amp.) Holder, fuse Meter, frequency Transformer U-clip	239049 239050 295069 295301 297937
18-GF	PA-295650-SD	Frequency Meter Kit 440 Volt Fuse (2 Amp.) Holder, fuse Meter, frequency Transformer U-clip	239049 239050 295069 295302 297937

Frequency Meters, Continued

KA-Accessory	Kit Number	Description	Part Number
18-GG	PA-295651-SD	Frequency Meter Kit 550-600 Volt	
		Fuse (2 Amp.)	239049
		Holder, fuse	239050
		Meter, frequency	295069
		Transformer	295299
18-GR	PA-295650-SD	U-clip	297937
		Frequency Meter Kit	
		Fuse (2 Amp.)	239049
		Holder, fuse	239050
		Meter, frequency	295069
		Transformer	295302
		U-clip	297937

Hourmeter Kits

KA-Accessory	Kit Number	Description	Part Number
18-HA		Hourmeter Kit 110V, 50 Hz.	
		Fuse (2 Amp.)	239049
		Holder, fuse	239050
18-HB		Hourmeter	295160
		Hourmeter Kit 120V, 60 Hz.	
		Fuse (2 Amp.)	239049
18-HC		Holder, fuse	239050
		Hourmeter	295160
		Hourmeter Kit 220V, 50 Hz.	
18-HD		Fuse (2 Amp.)	239049
		Holder, fuse	239050
		Hourmeter	295162
18-HE		Hourmeter Kit 240V, 60 Hz.	
		Fuse (2 Amp.)	239049
		Holder, fuse	239050
18-HF		Hourmeter	295162
		Hourmeter Kit 190V, 50 Hz.	
		Fuse (2 Amp.)	239049
18-HG		Holder, fuse	239050
		Hourmeter	295160
		Transformer	295299

Hourmeter Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
18-HH		Fuse (2 Amp.)	239049
		Holder, fuse	239050
		Hourmeter	295160
		Transformer	295302
18-HJ		Hourmeter Kit 440V, 50 Hz.	
		Fuse (2 Amp.)	239049
		Holder, fuse	239050
		Hourmeter	295160
18-HK		Hourmeter Kit 380V, 50 Hz.	
		Fuse (2 Amp.)	239049
		Holder, fuse	239050
		Hourmeter	295160
18-HL		Hourmeter Kit 416V, 50 Hz.	
		Fuse (2 Amp.)	239049
		Holder, fuse	239050
		Hourmeter	295160
18-HM		Hourmeter Kit 600V, 60 Hz.	
		Fuse (2 Amp.)	239049
		Holder, fuse	239050
		Hourmeter	295160
		Transformer	295299

Voltmeter, Ammeter, and Selector Switches

KA-Accessory	Kit Number	Description	Part Number
18-JA1		Voltmeter, Ammeter, and Selector Switch (110-120V, 30 Amp. 1)	
		Voltmeter	295344
		Ammeter	295336
		Transformer, current	295019
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JA2		Voltmeter, Ammeter, and Selector Switch (190-208V, 30 Amp. 3)	
		Voltmeter	295011
		Ammeter	295336
		Transformer, current (3)	295019
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JA3		Voltmeter, Ammeter, and Selector Switch (190-240V, 30 Amp. 1)	
		Voltmeter	295011
		Ammeter	295336
		Transformer, current	295019
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JA4		Voltmeter, Ammeter, and Selector Switch (220-240V, 30 Amp. 1)	
		Voltmeter	295011
		Ammeter	295336
		Transformer, current (2)	295019
		Switch, selector	283638
		Nameplate, Selector Switch	295341
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JA5		Voltmeter, Ammeter, and Selector Switch (220-240V, 30 Amp. 3)	
		Voltmeter	295011
		Ammeter	295336
		Transformer, current (3)	295019
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JA6 (See 18-JA9)			
18-JA7 (See 18-JA9)			
18-JA8		Voltmeter, Ammeter, and Selector Switch (380-480V, 30 Amp. 1)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295336
		Transformer, current	295019
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JA9		Voltmeter, Ammeter, and Selector Switch (440-480V, 30 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295336
		Transformer, current (3)	295019
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JA10		Voltmeter, Ammeter, and Selector Switch (550-600V, 30 Amp. 3)	
		Voltmeter	295017
		Transformer	295299
		Ammeter	295336
		Transformer, current (3)	295019
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JB1		Voltmeter, Ammeter, and Selector Switch (110-120V, 70 Amp. 1)	
		Voltmeter	295344
		Ammeter	295337
		Transformer, current	246884
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JB2	PA-295653-SD	Voltmeter, Ammeter, and Selector Switch (190-208V, 70 Amp. 3)	
		Voltmeter	295011
		Ammeter	295337
		Transformer, current (3)	246884
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JB3		Voltmeter, Ammeter, and Selector Switch (190-240V, 70 Amp. 1)	
		Voltmeter	295011
		Ammeter	295337
		Transformer, current	246884
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JB4		Voltmeter, Ammeter, and Selector Switch (220-240V, 70 Amp. 1)	
		Voltmeter	295011
		Ammeter	295337
		Transformer, current (2)	246884
		Switch, selector	283638
		Nameplate, Selector Switch	295341
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JB5		Voltmeter, Ammeter, and Selector Switch (220-240V, 70 Amp. 3)	
		Voltmeter	295011
		Ammeter	295337
		Transformer, current (3)	246884
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JB6 (See 18-JB9)			
18-JB7 (See 18-JB9)			

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JB8		Voltmeter, Ammeter, and Selector Switch (380-480V, 70 Amp. 1)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295337
		Transformer, current	246884
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JB9		Voltmeter, Ammeter, and Selector Switch (440-480V, 70 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295337
		Transformer, current (3)	246884
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JB10		Voltmeter, Ammeter, and Selector Switch (550-600V, 70 Amp. 3)	
		Voltmeter	295017
		Transformer	295299
		Ammeter	295337
		Transformer, current (3)	246884
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JC1		Voltmeter, Ammeter, and Selector Switch (110-120V, 104 Amp. 1)	
		Voltmeter	295344
		Ammeter	295338
		Transformer, current	246885
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JC2	PA-295663-SD	Voltmeter, Ammeter, and Selector Switch (190-208V, 100-104 Amp. 3)	
		Voltmeter	295011
		Ammeter	295338
		Transformer, current (3)	246885
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JC3		Voltmeter, Ammeter, and Selector Switch (190-240V, 100-104 Amp. 1)	
		Voltmeter	295011
		Ammeter	295338
		Transformer, current	246885
		Switch, selector	283638
		Nameplate, Selector Switch	295341
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JC4		Voltmeter, Ammeter, and Selector Switch (220-240V, 100-104 Amp. 1)	
		Voltmeter	295011
		Ammeter	295338
		Transformer, current (2)	246885
		Switch, selector	283638
		Nameplate, Selector Switch	295341
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JC5		Voltmeter, Ammeter, and Selector Switch (220-240V, 100-104 Amp. 3)	
		Voltmeter	295011
		Ammeter	295338
		Transformer, current (3)	246885
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JC6 (See 18-JC9)			
18-JC7 (See 18-JC9)			

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JC8		Voltmeter, Ammeter, and Selector Switch (380-480V, 100-104 Amp. 1)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295338
		Transformer, current	246885
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JC9		Voltmeter, Ammeter, and Selector Switch (440-480V, 100-104 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295338
		Transformer, current (3)	246885
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JC10		Voltmeter, Ammeter, and Selector Switch (550-600V, 100-104 Amp. 3)	
		Voltmeter	295017
		Transformer	295299
		Ammeter	295338
		Transformer, current (3)	246885
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JD1		Voltmeter, Ammeter, and Selector Switch (110-120V, 150 Amp. 1)	
		Voltmeter	295344
		Ammeter	295337
		Transformer, current	246886
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JD2	PA-295673-SD	Voltmeter, Ammeter, and Selector Switch (190-208V, 150 Amp. 3)	
		Voltmeter	295011
		Ammeter	295337
		Transformer, current (3)	246886
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JD3		Voltmeter, Ammeter, and Selector Switch (190-240V, 150 Amp. 1)	
		Voltmeter	295011
		Ammeter	295337
		Transformer, current	246886
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JD4		Voltmeter, Ammeter, and Selector Switch (220-240V, 150 Amp. 1)	
		Voltmeter	295011
		Ammeter	295337
		Transformer, current (2)	246886
		Switch, selector	283638
		Nameplate, Selector Switch	295341
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JD5	PA-295676-SD	Voltmeter, Ammeter, and Selector Switch (220-240V, 150 Amp. 3)	
		Voltmeter	295011
		Ammeter	295337
		Transformer, current (3)	246886
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JD6 (See 18-JD9)			
18-JD7 (See 18-JD9)			

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JD8		Voltmeter, Ammeter, and Selector Switch (380-480V, 150 Amp. 1)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295337
		Transformer, current	246886
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JD9		Voltmeter, Ammeter, and Selector Switch (440-480V, 150 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295337
		Transformer, current (3)	246886
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JD10		Voltmeter, Ammeter, and Selector Switch (550-600V, 150 Amp. 3)	
		Voltmeter	295017
		Transformer	295299
		Ammeter	295337
		Transformer, current (3)	246886
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JE1		Voltmeter, Ammeter, and Selector Switch (110-120V, 225-260 Amp. 1)	
		Voltmeter	295344
		Ammeter	295339
		Transformer, current	246889
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239042
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JE2	PA-295683-SD	Voltmeter, Ammeter, and Selector Switch (190-208V, 225-260 Amp. 3)	
		Voltmeter	295011
		Ammeter	295339
		Transformer, current (3)	246889
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JE3		Voltmeter, Ammeter, and Selector Switch (190-240V, 225-260 Amp. 1)	
		Voltmeter	295011
		Ammeter	295339
		Transformer, current	246889
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		18-JE4	
Voltmeter	295011		
Ammeter	295339		
Transformer, current (2)	246889		
Switch, selector	283638		
Nameplate, Selector Switch	295341		
2-Amp fuse	239049		
Holder, fuse	239050		
Conduit, plastic	X-6003-36		
18-JE5	PA-295686-SD		
		Voltmeter	295011
		Ammeter	295339
		Transformer, current (3)	246889
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JE6 (See 18-JE9)			
18-JE7 (See 18-JE9)			

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JE8		Voltmeter, Ammeter, and Selector Switch (380-480V, 225-260 Amp. 1)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295339
		Transformer, current	246889
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JE9	PA-295690-SD	Voltmeter, Ammeter, and Selector Switch (440-480V, 225-260 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295339
		Transformer, current (3)	246889
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JE10	PA-295691-SD	Voltmeter, Ammeter, and Selector Switch (550-600V, 225-260 Amp. 3)	
		Voltmeter	295017
		Transformer	295299
		Ammeter	295339
		Transformer, current (3)	246889
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JF1	PA-295692-SD	Voltmeter, Ammeter, and Selector Switch (110-120V, 400 Amp. 1)	
		Voltmeter	295344
		Ammeter	295340
		Transformer, current	248874
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JF2	PA-295693-SD	Voltmeter, Ammeter, and Selector Switch (190-208V, 400 Amp. 3)	
		Voltmeter	295011
		Ammeter	295340
		Transformer, current (3)	248874
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JF3	PA-295694-SD	Voltmeter, Ammeter, and Selector Switch (190-240V, 400 Amp. 1)	
		Voltmeter	295011
		Ammeter	295340
		Transformer, current	248874
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JF4	PA-295695-SD	Voltmeter, Ammeter, and Selector Switch (220-240V, 400 Amp. 1)	
		Voltmeter	295011
		Ammeter	295340
		Transformer, current (2)	248874
		Switch, selector	283638
		Nameplate, Selector Switch	295341
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JF5	PA-295696-SD	Voltmeter, Ammeter, and Selector Switch (220-240V, 400 Amp. 3)	
		Voltmeter	295011
		Ammeter	295340
		Transformer, current (3)	248874
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JF6 (See 18-JF9)			
18-JF7 (See 18-JF9)			

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JF8		Voltmeter, Ammeter, and Selector Switch (380-480V, 400 Amp. 1)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295340
		Transformer, current	248874
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JF9	PA-295700-SD	Voltmeter, Ammeter, and Selector Switch (440-480V, 400 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295340
		Transformer, current (3)	248874
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JF10		Voltmeter, Ammeter, and Selector Switch (550-600V, 400 Amp. 3)	
		Voltmeter	295017
		Transformer	295299
		Ammeter	295340
		Transformer, current (3)	248874
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JG1		Voltmeter, Ammeter, and Selector Switch (110-120V, 600 Amp. 1)	
		Voltmeter	295344
		Ammeter	295339
		Transformer, current	297148
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JG2		Voltmeter, Ammeter, and Selector Switch (190-208V, 600 Amp. 3)	
		Voltmeter	295011
		Ammeter	295339
		Transformer, current (3)	297148
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JG3		Voltmeter, Ammeter, and Selector Switch (190-240V, 600 Amp. 1)	
		Voltmeter	295011
		Ammeter	295339
		Transformer, current	297148
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JG4		Voltmeter, Ammeter, and Selector Switch (220-240V, 600 Amp. 1)	
		Voltmeter	295011
		Ammeter	295339
		Transformer, current (2)	297148
		Switch, selector	283638
		Nameplate, Selector Switch	295341
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JG5		Voltmeter, Ammeter, and Selector Switch (220-240V, 600 Amp. 3)	
		Voltmeter	295011
		Ammeter	295339
		Transformer, current (3)	297148
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JG6 (See 18-JG9)			
18-JG7 (See 18-JG9)			

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JG8		Voltmeter, Ammeter, and Selector Switch (380-480V, 600 Amp. 1)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295339
		Transformer, current	297148
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JG9		Voltmeter, Ammeter, and Selector Switch (440-480V, 600 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295339
		Transformer, current (3)	297148
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JG10		Voltmeter, Ammeter, and Selector Switch (550-600V, 600 Amp. 3)	
		Voltmeter	295017
		Transformer	295299
		Ammeter	295339
		Transformer, current (3)	297148
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JH1		Voltmeter, Ammeter, and Selector Switch (110-120V, 800 Amp. 1)	
		Voltmeter	295344
		Ammeter	295340
		Transformer, current	297149
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JH2		Voltmeter, Ammeter, and Selector Switch (190-208V, 800 Amp. 3)	
		Voltmeter	295011
		Ammeter	295340
		Transformer, current (3)	297149
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JH3		Voltmeter, Ammeter, and Selector Switch (190-240V, 800 Amp. 1)	
		Voltmeter	295011
		Ammeter	295340
		Transformer, current	297149
		Switch, selector	283638
		Nameplate, Selector Switch	295343
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JH4		Voltmeter, Ammeter, and Selector Switch (220-240V, 800 Amp. 1)	
		Voltmeter	295011
		Ammeter	295340
		Transformer, current (2)	297149
		Switch, selector	283638
		Nameplate, Selector Switch	295341
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JH5		Voltmeter, Ammeter, and Selector Switch (220-240V, 800 Amp. 3)	
		Voltmeter	295011
		Ammeter	295340
		Transformer, current (3)	297149
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JH6 (See 18-JH9)			
18-JH7 (See 18-JH9)			

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JH8		Voltmeter, Ammeter, and Selector Switch (380-480V, 800 Amp. 1)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295340
		Transformer, current	297149
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JH9	PA-295720-SD	Voltmeter, Ammeter, and Selector Switch (440-480V, 800 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	295340
		Transformer, current (3)	297149
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239059
		Conduit, plastic	X-6003-36
		U-clip	297937
18-JH10		Voltmeter, Ammeter, and Selector Switch (550-600V, 800 Amp. 3)	
		Voltmeter	295017
		Transformer	295299
		Ammeter	295340
		Transformer, current (3)	297149
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JH11	PA-297118-SD	Voltmeter, Ammeter, and Selector Switch (380-480V, 1200 Amp. 3)	
		Voltmeter	297119
		Transformer	295302
		Ammeter	282810
		Transformer, current (3)	291547
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JK2		Voltmeter, Ammeter, and Selector Switch (190-240V, 1000 Amp. 3)	
		Voltmeter	295011
		Ammeter	282958
		Transformer, current (3)	291546
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JK9		Voltmeter, Ammeter, and Selector Switch (380-480V, 1000 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	282958
		Transformer, current (3)	295146
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239059
		Conduit, plastic	X-6003-36
18-JL2		Voltmeter, Ammeter, and Selector Switch (190-240V, 1200 Amp. 3)	
		Voltmeter	295011
		Ammeter	282959
		Transformer, current (3)	291547
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JL9		Voltmeter, Ammeter, and Selector Switch (380-480V, 1200 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	282959
		Transformer, current (3)	295147
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JM2		Voltmeter, Ammeter, and Selector Switch (190-240V, 1600-2000 Amp. 3)	
		Voltmeter	295011
		Ammeter	282960
		Transformer, current (3)	291548
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JM9		Voltmeter, Ammeter, and Selector Switch (380-480V, 1600-2000 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	282960
		Transformer, current (3)	291548
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JN2		Voltmeter, Ammeter, and Selector Switch (190-240V, 3000 Amp. 3)	
		Voltmeter	295011
		Ammeter	282959
		Transformer, current (3)	297675
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JN9		Voltmeter, Ammeter, and Selector Switch (380-480V, 3000 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	282959
		Transformer, current (3)	297675
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Voltmeter, Ammeter, and Selector Switches, Continued

KA-Accessory	Kit Number	Description	Part Number
18-JP2		Voltmeter, Ammeter, and Selector Switch (190-240V, 4000 Amp. 3)	
		Voltmeter	295011
		Ammeter	282960
		Transformer, current (3)	297676
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36
18-JP9		Voltmeter, Ammeter, and Selector Switch (380-480V, 4000 Amp. 3)	
		Voltmeter	295014
		Transformer	295302
		Ammeter	282960
		Transformer, current (3)	297676
		Switch, selector	283638
		Nameplate, Selector Switch	295342
		Resistor	295396
		2-Amp fuse	239049
		Holder, fuse	239050
		Conduit, plastic	X-6003-36

Padlock-Enclosures

KA-Accessory	Kit Number	Description	Part Number
18-KA		Padlocking Small Door	
		Padlock-enclosure	
		Screw, flat head machine (2)	295098
		Door, enclosure	295994
		Hasp	297798
18-KB		Padlocking Medium Door	
		Padlock-enclosure	
		Screw, flat head machine (2)	295098
		Door, enclosure	295996
		Hasp	297798
18-KC		Padlocking Large Door	
		Screw, flat head machine (2)	295098
		Door, enclosure	295998
		Hasp	297798

Terminal Lug Kits

KA-Accessory	Kit Number	Description	Part Number
21-A	PA-297982-SD	Terminal Lug Kit 1600 Amp., 3 Pole	
		Screw, 3/8-16 x 2" H.C. (36)	X-6238-6
		Washer, 13/32 x 1 x 5/64" flat (Yellow Zinc Dichromate) (36)	X-25-118
		Washer, 3/8" spring (Yellow Zinc Dichromate) (36)	X-6086-6
		Nut, 3/8"-16 (Yellow Zinc Dichromate) (36)	X-83-7
		Lug, terminal (18)	297981
21-B	PA-297987-SD	Terminal Lug Kit 1600 Amp., 4 Pole	
		Screw, 3/8-16 x 2" H.C. (42)	X-6238-6
		Washer, 13/32 x 1 x 5/64" flat (Yellow Zinc Dichromate) (42)	X-25-118
		Washer, 3/8" spring (Yellow Zinc Dichromate) (42)	X-6086-6
		Nut, 3/8"-16 (Yellow Zinc Dichromate) (42)	X-83-7
		Lug, terminal (4-wire) (3)	297582
21-C	PA-297988-SD	Lug, terminal (2-wire) (18)	297981
		Terminal Lug Kit 2000 Amp., 3 Pole	
		Screw, 3/8-16 x 2 1/2" H.C. (18)	X-6238-7
		Washer, 13/32 x 1 x 5/64" flat (Yellow Zinc Dichromate) (18)	X-25-118
		Washer, 3/8" spring (Yellow Zinc Dichromate) (18)	X-6086-6
		Nut, 3/8"-16 (Yellow Zinc Dichromate) (18)	X-83-7
21-D	PA-297989-SD	Lug, terminal (4-wire) (9)	297582
		Lug, terminal (2-wire) (9)	297981
		Terminal Lug Kit 2000 Amp., 4 Pole	
		Screw, 3/8-16 x 2 1/2" H.C. (24)	X-6238-7
		Washer, 13/32 x 1 x 5/64" flat (Yellow Zinc Dichromate) (24)	X-25-118
		Washer, 3/8" spring (Yellow Zinc Dichromate) (24)	X-6086-6
		Nut, 3/8"-16 (Yellow Zinc Dichromate) (24)	X-83-7
		Lug, terminal (4-wire) (12)	297582
		Lug, terminal (2-wire) (12)	297981

Terminal Lug Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
21-E	PA-297990-SD	Terminal Lug Kit 3000 Amp., 3 Pole	
		Screw, 1/2-13 x 2 1/2" H.C. (9)	X-129-23
		(Yellow Zinc Dichromate) (9)	
		Screw, 3/8-16 x 2" H.C. (18)	X-6238-6
		Screw, 3/8-16 x 2 1/2" H.C. (18)	X-6238-7
		Washer, 13/32 x 1 1/4 x 7/64" flat (18)	X-25-109
		(Yellow Zinc Dichromate) (18)	
		Washer, 13/32 x 1 x 5/64" flat (18)	X-25-118
		(Yellow Zinc Dichromate) (18)	
		Washer, 9/16 x 1 1/8 x 3/32" flat (9)	X-25-64
		(Yellow Zinc Dichromate) (9)	
		Washer, 1/2" spring (9)	X-6086-4
		(Yellow Zinc Dichromate) (9)	
		Washer, 3/8" spring (36)	X-6086-6
21-F	PA-297991-SD	(Yellow Zinc Dichromate) (36)	
		Nut, 1/2-13 (9)	X-70-10
		(Yellow Zinc Dichromate) (9)	
		Nut, 3/8-16 (36)	X-83-7
		(Yellow Zinc Dichromate) (36)	
		Lug, terminal (18)	297582
		Plate, adapter (27)	297985
		Terminal Lug Kit 3000 Amp., 4 Pole	
		Screw, 1/2-13 x 2 1/2" H.C. (12)	X-129-23
		(Yellow Zinc Dichromate) (12)	
		Screw, 3/8-16 x 2" H.C. (24)	X-6238-6
		Screw, 3/8-16 x 2 1/2" H.C. (24)	X-6238-7
		Washer, 13/32 x 1 1/4 x 7/64" flat (24)	X-25-109
		(Yellow Zinc Dichromate) (24)	
		Washer, 13/32 x 1 x 5/64" flat (24)	X-25-118
		(Yellow Zinc Dichromate) (24)	
		Washer, 9/16 x 1 1/8 x 3/32" flat (12)	X-25-64
		(Yellow Zinc Dichromate) (12)	
		Washer, 1/2" spring (12)	X-6086-4
		(Yellow Zinc Dichromate) (12)	
		Washer, 3/8" spring (48)	X-6086-6
		(Yellow Zinc Dichromate) (48)	
		Nut, 1/2-13 (12)	X-70-10
		(Yellow Zinc Dichromate) (12)	
		Nut, 3/8-16 (48)	X-83-7
		(Yellow Zinc Dichromate) (48)	
		Lug, terminal (24)	297582
		Plate, adapter (36)	297985

Terminal Lug Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
21-G	PA-297992-SD	Terminal Lug Kit 4000 Amp., 3 Pole	
		Screw, 1/2-13 x 2 1/2" H.C. (Yellow Zinc Dichromate) (54)	X-129-23
		Screw, 3/8-16 x 2 1/2" H.C. (54)	X-6238-7
		Washer, 13/32 x 1 1/4 x 7/64" flat (Yellow Zinc Dichromate) (54)	X-25-109
		Washer, 13/32 x 1 x 5/64" flat (Yellow Zinc Dichromate) (54)	X-25-118
		Washer, 9/16 x 1 1/8 x 3/32" flat (Yellow Zinc Dichromate) (54)	X-25-64
		Washer, 1/2" spring (Yellow Zinc Dichromate) (54)	X-6086-4
		Washer, 3/8" spring (Yellow Zinc Dichromate) (54)	X-6086-6
		Nut, 1/2-13 (Yellow Zinc Dichromate) (54)	X-70-10
		Lug, terminal (27)	297983
		Plate, adapter (36)	297984
21-H	PA-297993-SD	Terminal Lug Kit 4000 Amp., 4 Pole	
		Screw, 1/2-13 x 2 1/2" H.C. (Yellow Zinc Dichromate) (72)	X-129-23
		Washer, 13/32 x 1 1/4 x 7/64" flat (Yellow Zinc Dichromate) (72)	X-25-109
		Washer, 13/32 x 1 x 5/64" flat (Yellow Zinc Dichromate) (72)	X-25-118
		Washer, 9/16 x 1 1/8 x 3/32" flat (Yellow Zinc Dichromate) (72)	X-25-64
		Washer, 1/2" spring (Yellow Zinc Dichromate) (72)	X-6086-4
		Washer, 3/8" spring (Yellow Zinc Dichromate) (72)	X-6086-6
		Screw, 3/8-16 x	X-6238-7
		Nut, 1/2-13 (Yellow Zinc Dichromate) (72)	X-70-10
		Lug, terminal (72)	297983
		Plate, adapter (45)	297984

Plant Exercisers

KA-Accessory	Kit Number	Description	Part Number
23-CA	PA-295722-SD	Plant Exerciser (without Load) 110-120V, 60 Hz. Clock, time Sleeve (spacer) (3) Nut, captive 8-32 (3)	295309 265235 298811
23-CB	PA-295723-SD	Plant Exerciser (without Load) 208-240V, 60 Hz. Clock, time Sleeve (spacer) (3) Nut, captive 8-32 (3)	295310 265235 298811
23-CC	PA-295724-SD	Plant Exerciser (without Load) 550-600V, 60 Hz. Clock, time Transformer Sleeve (spacer) (3) Nut, captive 8-32 (3)	295309 295299 265235 298811
23-CD	PA-295725-SD	Plant Exerciser (without Load) 440-480V, 60 Hz. Clock, time Transformer Sleeve (spacer) (3) Nut, captive 8-32 (3)	295309 295302 265235 298811
23-CE	PA-295726-SD	Plant Exerciser (without Load) 380-440V, 50 Hz. Clock, time Transformer Sleeve (spacer) (3) Nut, captive 8-32 (3)	295312 295300 265235 298811
23-CF	PA-295727-SD	Plant Exerciser (without Load) 110-120V, 50 Hz. Clock, time Sleeve (spacer) (3) Nut, captive 8-32 (3)	295311 265235 298811
23-CG	PA-295728-SD	Plant Exerciser (without Load) 208-240V, 50 Hz. Clock, time Sleeve (spacer) (3) Nut, captive 8-32 (3)	295312 265235 298811
23-DA	PA-295729-SD	Plant Exerciser (with Load) 110-120V, 60 Hz. Clock, time Sleeve (spacer) (3) Nut, captive 8-32 (3)	295309 265235 298811
23-DB	PA-295730-SD	Plant Exerciser (with Load) 208-240V, 60 Hz. Clock, time Sleeve (spacer) (3) Nut, captive 8-32 (3)	295310 265235 298811
23-DC	PA-295731-SD	Plant Exerciser (with Load) 550-600V, 60 Hz. Clock, time Transformer Sleeve (spacer) (3) Nut, captive 8-32 (3)	295309 295299 265235 298811
23-DD	PA-295732-SD	Plant Exerciser (with Load) 440-480V, 60 Hz. Clock, time Transformer Sleeve (spacer) (3) Nut, captive 8-32 (3)	295309 295302 265235 298811

Plant Exercisers, Continued

KA-Accessory	Kit Number	Description	Part Number
23-DE	PA-295733-SD	Plant Exerciser (with Load) 380-440V, 50 Hz.	
		Clock, time	295312
		Transformer	295300
		Sleeve (spacer) (3)	265235
23-DF	PA-295734-SD	Nut, captive 8-32 (3)	298811
		Plant Exerciser (with Load) 110-120V, 50 Hz.	
		Clock, time	295311
		Sleeve (spacer) (3)	265235
23-DG	PA-295735-SD	Nut, captive 8-32 (3)	298811
		Plant Exerciser (with Load) 208-240V, 50 Hz.	
		Clock, time	295312
		Sleeve (spacer) (3)	265235
23-GA	PA-295736-SD	Nut, captive 8-32 (3)	298811
		Plant Exerciser (with/without Load Switch) 110-120V, 60 Hz.	
		Clock, time	295309
		Switch, selector	295322
23-GA3		Sleeve (spacer) (3)	265235
		Nut, captive 8-32 (3)	298811
		Plant Exerciser 110-120V, 60 Hz., (Nema Type 3R & 12)	
		Tie (expense), cable (4)	X-468-1
		Screw, R.H.M. 8-32 (3)	X-51-52
		Sleeve (3)	265235
		Clock, time 120 Volt	295309
		Switch, operator	298039
23-GB	PA-295737-SD	Block, contact (2)	298051
		Block, contact	298052
		Contact assembly	298054
		Plant Exerciser (with/without Load Switch) 208-240V, 60 Hz.	
23-GB3		Clock, time	295310
		Switch, selector	295322
		Sleeve (spacer) (3)	265235
		Nut, captive 8-32 (3)	298811
23-GB3		Plant Exerciser 208-240V, 60 Hz., (Nema Type 3R & 12)	
		Tie (expense), cable (4)	X-468-1
		Screw, R.H.M. 8-32 (3)	X-51-52
		Sleeve (3)	265235
		Clock, time 240 Volt	295310
		Switch, operator	298039
		Block, contact	298051
		Block, contact	298052
		Contact assembly	298054

Plant Exercisers, Continued

KA-Accessory	Kit Number	Description	Part Number
23-GC	PA-295738-SD	Plant Exerciser (with/without Load Switch) 550-600V, 60 Hz.	
		Transformer	295299
		Clock, time	295309
		Switch, selector	295322
		Sleeve (spacer) (3)	265235
		Nut, captive 8-32 (3)	298811
23-GD	PA-295739-SD	Plant Exerciser (with/without Load Switch) 440-480V, 60 Hz.	
		Transformer	295302
		Clock, time	295309
		Switch, selector	295322
		Sleeve (spacer) (3)	265235
		Nut, captive 8-32 (3)	298811
23-GE	PA-295740-SD	Plant Exerciser (with/without Load Switch) 380-440V, 50 Hz.	
		Transformer	295300
		Clock, time	295312
		Switch, selector	295322
		Sleeve (spacer) (3)	265235
		Nut, captive 8-32 (3)	298811
23-GF	PA-295741-SD	Plant Exerciser (with/without Load Switch) 110-120V, 50 Hz.	
		Clock, time	295311
		Switch, selector	295322
		Sleeve (spacer) (3)	265235
		Nut, captive 8-32 (3)	298811
23-GG	PA-295742-SD	Plant Exerciser (with/without Load Switch) 208-240V, 50 Hz.	
		Clock, time	295312
		Switch, selector	295322
		Sleeve (spacer) (3)	265235
		Nut, captive 8-32 (3)	298811
23-HA		Plant Exerciser	
		Sleeve (spacer) (3)	265235
		Pin, trip (cyclemaster timer) (15)	295153
		Clock, time	295309
		Switch, (mechanical) operator	298039
		Contact (electrical) assembly (2)	298046
		Contact (electrical) assembly (3)	298048
		Clip, cable (2)	298400
		Lever, trip ON (lumenite timer)	297732
		Screw, trip (lumenite timer) (13)	296277
		Lever, trip OFF (lumenite timer)	297733

Plant Exercisers, Continued

KA-Accessory	Kit Number	Description	Part Number
23-HB		Plant Exerciser	
		Sleeve (spacer) (3)	265235
		Pin, trip (cyclemaster timer) (15)	295153
		Clock, time	295310
		Switch, (mechanical) operator	298039
		Contact (electrical) assembly (2)	298046
		Contact (electrical) assembly (3)	298048
		Clip, cable (2)	298400
		Lever, trip ON (lumenite timer)	297732
		Screw, trip (lumenite timer) (13)	296277
		Lever, trip OFF (lumenite timer)	297733
23-HC		Plant Exerciser	
		Sleeve (spacer) (3)	265235
		Pin, trip (cyclemaster timer) (15)	295153
		Transformer	295300
		Clock, time	295309
		Switch, (mechanical) operator	298039
		Contact (electrical) assembly (2)	298046
		Contact (electrical) assembly (3)	298048
		Clip, cable (2)	298400
		Lever, trip ON (lumenite timer)	297732
		Screw, trip (lumenite timer) (13)	296277
		Lever, trip OFF (lumenite timer)	297733
23-HD	297935	Plant Exerciser	
		Sleeve (spacer) (3)	265235
		Pin, trip (cyclemaster timer) (15)	295153
		Transformer	295302
		Clock, time	295309
		Switch, (mechanical) operator	298039
		Contact (electrical) assembly (2)	298046
		Contact (electrical) assembly (3)	298048
		Clip, cable (3)	298400
		Lever, trip ON (lumenite timer)	297732
		Screw, trip (lumenite timer) (13)	296277
		Lever, trip OFF (lumenite timer)	297733

Plant Exercisers, Continued

KA-Accessory	Kit Number	Description	Part Number
23-PA	PA-294763-SD	Plant Exerciser Solid State, 110-120V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
23-PB	PA-294767-SD	Plant Exerciser Solid State, 190-208V	
		Screw, R.H.M. 8-32 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Decal	295334
23-PC	PA-294771-SD	Nut, captive (4)	298811
		Plant Exerciser Solid State, 220-240V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295355
	PA-294774-SD	Nut, captive (4)	298811
		Plant Exerciser, Kit	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295355
		Switch, Operator	298039
		Block, contact (2)	298051
		Block, contact	298052
23-PD	PA-294775-SD	Contact assembly	298054
		Nut, captive (4)	298811
		Plant Exerciser Solid State, 380-416V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
23-PE	PA-294779-SD	Transformer	295301
		Nut, captive (4)	298811
		Plant Exerciser Solid State, 440-480V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
	PA-294781-SD	Plate, mounting	294627
		Transformer	295302
		Nut, captive (4)	298811
		Plant Exerciser, Kit	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295302
		Switch, selector	295322
		Nut, captive (4)	298811

Plant Exercisers, Continued

KA-Accessory	Kit Number	Description	Part Number
23-PF	PA-294783-SD	Plant Exerciser Solid State, 550-600V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295299
		Nut, captive (4)	298811
23-RA	PA-294764-SD	Plant Exerciser Solid State 110-120V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Nut, captive (4)	298811
23-RB	PA-294768-SD	Plant Exerciser Solid State 190-208V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295354
		Nut, captive (4)	298811
23-RC	PA-294772-SD	Plant Exerciser Solid State 220-240V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295355
		Nut, captive (4)	298811
23-RD	PA-294776-SD	Plant Exerciser Solid State 380-416V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295302
		Nut, captive (4)	298811
23-RE	PA-294780-SD	Plant Exerciser Solid State 440-480V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295301
		Nut, captive (4)	298811
23-RF	PA-294784-SD	Plant Exerciser Solid State 550-600V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295299
		Nut, captive (4)	298811

Plant Exercisers, Continued

KA-Accessory	Kit Number	Description	Part Number
23-SA	PA-294765-SD	Plant Exerciser Solid State 110-120V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Switch selector	295322
		Nut, captive (4)	298811
23-SA3	PA-294766-SD	Plant Exerciser Solid State 110-120V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Switch, operator	298039
		Block, contact (2)	298051
		Block, contact	298052
		Contact assembly	298054
		Nut, captive (4)	298811
23-SB	PA-294769-SD	Plant Exerciser Solid State 190-208V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Switch, selector	295322
		Transformer	295354
		Nut, captive (4)	298811
23-SB3	PA-294770-SD	Plant Exerciser Solid State 190-208V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295354
		Switch, operator	298039
		Block, contact (2)	298051
		Block, contact	298052
		Contact, assembly	298054
		Nut, captive (4)	298811
23-SC		Plant Exerciser	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Switch, selector	295322
		Transformer	295355
		Nut, captive (4)	298811

Plant Exercisers, Continued

KA-Accessory	Kit Number	Description	Part Number
23-SC3	PA-294773-SD	Plant Exerciser Solid State 190-208V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295355
		Nut, captive (4)	298811
23-SD		Plant Exerciser Solid State 380-416V	
		Screw, R.H.M. 8-32 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Switch, selector	295322
		Transformer	295301
		Nut, captive (4)	298811
23-SD3	PA-294778-SD	Plant Exerciser Solid State 380-416V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Switch, operator	298039
		Block, contact (2)	298051
		Block, contact	298052
		Contact assembly	298054
		Nut, captive (4)	298811
23-SE		Plant Exerciser Solid State 440-480V	
		Screw, R.H.M. 8-32 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Switch, selector	295322
		Transformer	295302
		Nut, captive (4)	298811
23-SE3	PA-294782-SD	Plant Exerciser Solid State 440-480V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295302
		Switch, operator	298039
		Block, contact (2)	298051
		Block, contact	298052
		Contact assembly	298054
		Nut, captive (4)	298811
23-SF		Plant Exerciser Solid State 550-600V	
		Screw, R.H.M. 8-32 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Switch, selector	295322
		Transformer	295299
		Nut, captive (4)	298811

Plant Exercisers, Continued

KA-Accessory	Kit Number	Description	Part Number
23-SF3	PA-294786-SD	Plant Exerciser Solid State 550-600V	
		Screw, R.H.M. 8-32 x 5/8 (4)	X-51-9
		Clock, time	294541
		Track	294622
		Plate, mounting	294627
		Transformer	295299
		Switch, operator	298039
		Block, contact (2)	298051
		Block, contact	298052
		Contact assembly	298054
		Nut, captive (4)	298811

Battery Chargers

KA-Accessory	Kit Number	Description	Part Number
24-C	PA-295743-SD	Battery Charger Kit 120 Volt, 50/60 Hz.	
		Battery charger assembly (Includes the following:)	A-293274
		Board assembly, circuit	B-293284
		Holder, fuse	238426
		Washer, insulating (8)	243321
		Sleeve (4)	265235
		Fuse (1.5 Amp.)	291207
		Ammeter	293278
		Transformer	293279
		Strip, terminal	293281
		Breaker, circuit	293292
		Lamp	293661
		Cover, terminal block	294214
		Decal, barrier	294742
		Panel, silkscreen	293662
		Nut, captive	298811
24-D	PA-295744-SD	Battery Charger Kit 240 Volt, 50/60 Hz.	
		Battery charger assembly (Includes the following:)	A-293295
		Board assembly, circuit	B-293284
		Holder, fuse	238426
		Washer, insulating (8)	243321
		Sleeve (4)	265235
		Fuse (1.5 Amp.)	291904
		Ammeter	293278
		Transformer	293279
		Strip, terminal	293281
		Breaker, circuit	293292
		Lamp	293661
		Cover, terminal block	294214
		Decal, barrier	294742
		Panel, silkscreen	293663
		Nut, captive	298811

Battery Chargers, Continued

KA-Accessory	Kit Number	Description	Part Number
24-E	PA-295745-SD	Battery Charger Kit 208 Volt, 50/60 Hz.	
		Battery charger assembly	A-293656
		(Includes the following:)	
		Board assembly, circuit	B-293284
		Holder, fuse	238426
		Washer, insulating (8)	243321
		Sleeve (4)	265235
		Fuse (1.5 Amp.)	291207
		Ammeter	293278
		Panel	297360
		Strip, terminal	293281
		Breaker, circuit	293292
		Lamp	293655
		Cover, terminal block	294214
		Decal, barrier	294742
		Nameplate	293658
		Transformer	293659
		Nut, captive	298811
24-F	PA-295746-SD	Battery Charger Kit 480/600 Volt, 50/60 Hz.	
		Battery charger assembly	A-293647
		(Includes the following:)	
		Board assembly, circuit	B-293284
		Washer, insulating (8)	243321
		Sleeve (4)	265235
		Ammeter	293278
		Breaker, circuit	293292
		Transformer	293649
		Panel	293666
		Nameplate	293651
		Holder, fuse	293652
		Strip, terminal	293653
		Fuse (.5 Amp.)	294552
		Lamp	293655
		Cover, terminal block	294215
		Decal, barrier	294742
		Nut, captive	298811

Battery Chargers, Continued

KA-Accessory	Kit Number	Description	Part Number
24-G	PA-295747-SD	Battery Charger Kit 220 Volt, 50 Hz.	
		Battery charger assembly	A-295090
		(Includes the following:)	
		Board assembly, circuit	B-293284
		Holder, fuse	238426
		Washer, insulating (8)	243321
		Sleeve (4)	265235
		Fuse (1.5 Amp.)	291207
		Ammeter	293278
		Panel	293283
		Strip, terminal	293281
		Breaker, circuit	293292
		Lamp	293655
		Cover, terminal block	294214
		Decal, barrier	294742
		Transformer	295092
		Nameplate	295346
		Nut, captive	298811
24-H	PA-295748-SD	Battery Charger Kit 380 Volt, 50/60 Hz.	
		Battery charger assembly	A-295087
		(Includes the following:)	
		Board assembly, circuit	B-293284
		Washer, insulating (8)	243321
		Sleeve (4)	265235
		Ammeter	293278
		Breaker, circuit	293292
		Panel	293650
		Holder, fuse	293652
		Strip, terminal	293653
		Fuse (.5 Amp.)	294141
		Lamp	293655
		Cover, terminal block	294215
		Decal, barrier	294742
		Transformer	295089
		Nameplate	295345
		Nut, captive	298811

Battery Chargers, Continued

KA-Accessory	Kit Number	Description	Part Number
24-K	PA-297135-SD	Battery Charger Kit (Enclosed) 208 Volt	
		Battery charger assembly	A-295195
		(Includes the following:)	
		Board assembly, circuit	B-291893
		Block, terminal (2)	X-405-2
		Holder, fuse	238426
		Cover (top)	246604
		Spacer (4)	270833
		Fuse (1.5 Amp.)	291207
		Switch, slide	291894
		Decal	291897
		Box (bottom)	291899
		Ammeter	293278
		Holder, P.C. board (2)	293291
		Breaker, circuit	293292
24-L	PA-297136-SD	Lamp	293655
		Transformer	293659
		Nameplate (Input/Output)	295185
		Battery Charger Kit (Enclosed) 240 Volt	
		Battery charger assembly	A-295196
		(Includes the following:)	
		Board assembly, circuit	B-291893
		Block, terminal (2)	X-405-2
		Holder, fuse	238426
		Cover (top)	246604
		Spacer (4)	270833
		Switch, slide	291894
		Box (bottom)	291899
		Fuse (.75 Amp.)	291904
		Ammeter	293278
		Transformer	293279
		Holder, P.C. board (2)	293291
		Breaker, circuit	293292
		Lamp	293661
		Nameplate (Input/Output)	295186
		Decal	295199

Battery Chargers, Continued

KA-Accessory	Kit Number	Description	Part Number
24-M	PA-297137-SD	Battery Charger Kit (Enclosed) 480-600 Volt	
		Battery charger assembly	A-295197
		(Includes the following:)	
		Board assembly, circuit	B-291893
		Block, terminal	X-405-2
		Cover (top)	246604
		Spacer (4)	270833
		Switch, slide	291894
		Ammeter	293278
		Holder, P.C. board (2)	293291
		Breaker, circuit	293292
		Transformer	293649
		Holder, fuse	293652
		Fuse (.5 Amp.)	294552
		Lamp	293655
		Nameplate (Input/Output)	295187
		Box (bottom)	295188
24-N	PA-297138-SD	Decal	295198
		Strip, terminal	295394
		Battery Charger Kit (Enclosed) 120 Volt	
		Battery charger assembly	A-291843
		(Includes the following:)	
		Board assembly, circuit	B-291893
		Block, terminal (2)	X-405-2
		Holder, fuse	238426
		Cover (top)	246604
		Spacer (4)	270833
		Fuse (1.5 Amp.)	291207
		Switch, slide	291894
		Nameplate (Input/Output)	291895
		Decal	291897
		Box (bottom)	291899
		Ammeter	293278
		Transformer	293279
		Holder, P.C. Board (2)	293291
		Breaker, circuit	293292
		Lamp	293661

Overvoltage Cards

KA-Accessory	Kit Number	Description	Part Number
26-CS1	PA-295751-SD	Overvoltage Card Board assy., circuit	B-295121
26-CS2	PA-295351-SD	Overvoltage Card Board assy., circuit	B-295120

Area Protections

KA-Accessory	Kit Number	Description	Part Number
26-DR	PA-295796-SD	Area Protection Socket, relay Relay Nut, captive (2)	295150 295254 298810
26-DS	PA-295353-SD	Area Protection Spacer, fiber Socket, relay Clamp, relay hold-down Relay Nut, captive 6-32 (2)	X-712-2 295150 295189 295254 298810

Normal Frequency Cards

KA-Accessory	Kit Number	Description	Part Number
26-GS	PA-295640-SD	Normal Overfrequency Card Board assy., circuit	B-295108
26-HS	PA-295750-SD	Normal Underfrequency Card Board assy., circuit	B-295107
27-A (Consult Factory)		Nonstandard Voltage	

Fuse Kits

KA-Accessory	Kit Number	Description	Part Number
28-A		Fuse Kit Fuse (2 Amp.) Holder, fuse	239049 239050

Pushbutton Operations

KA-Accessory	Kit Number	Description	Part Number
29-BR	PA-295753-SD	Pushbutton Operation, Both Directions, No Override	
		Ring, lock (2)	151511
		Terminal, adapter (2)	233704
		Clip, relay (2)	269972
		Switch, toggle (2)	295030
		Socket, relay (2)	295150
		Relay (2)	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Nut, captive 6-32 (4)	298810
29-BS	PA-295752-SD	Pushbutton Operation, Both Directions, No Override	
		Ring, lock (2)	151511
		Terminal, adapter (2)	233704
		Switch, toggle (DPDT-Mom.) (2)	295029
		Clamp, relay hold-down (2)	295189
		Socket, relay (2)	295034
		Switch, toggle (SPST-Mom. OFF)	295068
		Spacer, socket (2)	295151
		Relay (2)	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Nut, captive 6-32 (4)	298810
29-BS1		Pushbutton Operation, Both Directions, Keyed	
		Terminal	X-431-30
		Ring, lock	151511
		Decal, Manual Transfer (30-150 Amp.)	294314
		Socket, relay (3)	295034
		Switch, toggle	295068
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Nameplate	295232
		Relay (3)	295254
		Decal U.L.	297009
		Decal U.L. (Non-automatic)	297484
		Nameplate	297506
		Switch, toggle	297680
		Switch, operator (2)	298041
		Contact assembly (2)	298048
		Nut, captive (4)	298810

Pushbutton Operations, Continued

KA-Accessory	Kit Number	Description	Part Number
29-CS	PA-295754-SD	Pushbutton Operation, Emergency to Normal	
		Ring, lock	151511
		Switch, toggle	295030
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Spacer, socket (2)	295151
		Nut, captive 6-32 (4)	298810
29-DR		Pushbutton Operation, Both Directions	
		Ring, lock (2)	151511
		Clip, relay (2)	269972
		Switch, toggle (2)	295030
		Socket, relay (2)	295150
		Relay (2)	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, U.L. (Non-automatic)	297484
		Nut, captive 6-32 (4)	298810
29-DS		Pushbutton Operation, Both Directions, No Override	
		Ring, lock (2)	151511
		Switch, Toggle (2)	295029
		Socket, Relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, U.L. (Non-automatic)	297484
		Nameplate, Non-automatic (KN)	297506
		Nut, captive 6-32 (4)	298810
29-ER		Pushbutton Operation, Emergency to Normal, No Override	
		Ring, lock	151511
		Clip, relay	269972
		Switch, toggle	295030
		Socket, relay	295150
		Relay	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, U.L. (Non-automatic)	297484
		Nut, captive 6-32 (4)	298810
29-ES		Pushbutton Operation, Emergency to Normal, No Override	
		Ring, lock	151511
		Switch, toggle	295030
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, U.L. (Non-automatic)	297484
		Nameplate, Non-automatic (KN)	297506
		Nut, captive 6-32 (4)	298810

Pushbutton Operations, Continued

KA-Accessory	Kit Number	Description	Part Number
29-FR	PA-295757-SD	Pushbutton Operation– Automatic/Manual	
		Ring, lock (3)	151511
		Terminal, adapter (6)	233704
		Switch, toggle	238357
		Switch, toggle (2)	295030
		Socket, relay (2)	295150
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Nut, captive 6-32 (4)	298810
29-FS	PA-295756-SD	Pushbutton Operation– Automatic/Manual	
		Terminal, adapter (6)	X-431-30
		Ring, lock (3)	151511
		Terminal (6)	233704
		Switch, toggle	238357
		Switch, toggle (DPDT-Mom.) (2)	295029
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Spacer, socket (2)	295151
		Decal, Manual Transfer (30-150 Amp.)	294314
		Nut, captive 6-32 (4)	298810
29-GR		Pushbutton Operation– Automatic/Manual	
		Ring, lock (3)	151511
		Switch, toggle	238357
		Clip, relay (2)	269972
		Switch, toggle (SPST-Mom. ON) (2)	295030
		Socket, relay (2)	295150
		Relay (2)	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, U.L. (Non-automatic)	297484
		Nameplate, Non-automatic (KN)	297506
		Nut, captive 6-32 (4)	298810
29-GS		Pushbutton Operation– Automatic/Manual	
		Ring, lock (3)	151511
		Switch, toggle	238357
		Switch, toggle (DPDT-Mom.) (2)	295029
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, U.L. (Non-automatic)	297484
		Nameplate, Non-automatic (KN)	297506
		Nut, captive 6-32 (4)	298810

Pushbutton Operations, Continued

KA-Accessory	Kit Number	Description	Part Number
29-HR	PA-295759-SD	Pushbutton Operation– Automatic/Manual, Emergency to Normal	
		Ring, lock (3)	151511
		Switch, toggle	268015
		Clip, relay	269972
		Switch, toggle (SPST-Mom. ON)	295030
		Socket, relay	295150
		Relay	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Nut, captive 6-32 (4)	298810
29-HS	PA-295758-SD	Pushbutton Operation– Automatic/Manual, Emergency to Normal	
		Terminal	X-431-25
		Ring, lock (2)	151511
		Switch, toggle	268015
		Relay	295254
		Switch, toggle (SPST-Mom. ON)	295030
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Spacer, socket	295151
		Decal, Manual Transfer (30-150 Amp.)	294314
		Nut, captive 6-32 (2)	298810
29-JR	PA-295759-SD	Pushbutton Operation– Automatic/Manual, Emergency to Normal	
		Ring, lock (2)	151511
		Switch, toggle	268015
		Clip, relay	269972
		Switch, toggle (SPST-Mom. ON)	295030
		Socket, relay	295150
		Relay	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Nut, captive 6-32 (2)	298810
29-JS	PA-295758-SD	Pushbutton Operation– Automatic/Manual, Emergency to Normal	
		Ring, lock (2)	151511
		Switch, toggle	268015
		Switch, toggle (SPST-Mom. ON)	295030
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Decal, Manual Transfer (30-150 Amp.)	294314
		Nut, captive 6-32 (2)	298810
29-L		Manual Control Only– Both Directions Key Mounted	
		Ring, lock	151511
		Switch, key operator	294814
		Switch, toggle	297680
		Contact assembly	298048
		Block, contact (3)	298051

Pushbutton Operations, Continued

KA-Accessory	Kit Number	Description	Part Number
29-OR1	PA-294095-SD	Pushbutton– ETON Auto/Manual with Override	
		Washer (expense) (6)	X-25-9
		Screw, R.H.M. 6-32 x 3/4 (6)	X-49-6
		Spacer, fiber (6)	X-712-2
		Ring, lock (2)	151511
		Terminal, adapter (2)	233704
		Switch, toggle	238357
		Decal, Manual Transfer (30-150 Amp.)	294314
		Harness, wiring	294363
		Switch, toggle	295030
		Socket, relay (2)	295034
		Harness, wiring	295134
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Nut, captive (4)	298810
29-OS		Pushbutton– ETON Auto/Manual with Override	
		Screw, R.H.M. 6-32 (6)	X-49-6
		Spacer, fiber (6)	X-712-2
		Ring, lock (2)	151511
		Terminal, adapter (2)	233704
		Switch, toggle	238357
		Decal, Manual Transfer (30-150 Amp.)	294314
		Harness, wiring	294363
		Switch, toggle	295030
		Socket, relay (2)	295034
		Harness, wiring	295134
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Nameplate	295232
		Relay (2)	295254
		Decal, U.L.	297009
		Nameplate, Nonautomatic	297506
		Nut, captive (4)	298810
29-PR		Pushbutton– ETON Auto/Manual with Override	
		Screw, R.H.M. 6-32 (4)	X-49-6
		Spacer, fiber	X-712-2
		Switch, toggle	238357
		Decal	294314
		Harness, wiring	294363
		Switch, toggle	295030
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold down (2)	295189
		Relay (2)	295254
		Nut, captive (4)	298810

Pushbutton Operations, Continued

KA-Accessory	Kit Number	Description	Part Number
29-PS		Pushbutton– ETON Auto/Manual with Override	
		Screw, R.H.M. 6-32 (6)	X-49-6
		Spacer, fiber (6)	X-712-2
		Ring, lock (2)	151511
		Terminal, adapter (2)	233704
		Switch, toggle	238357
		Decal, Manual Transfer (30-150 Amp.)	294314
		Harness, wiring	294363
		Switch, toggle	295030
		Socket, relay (2)	295034
		Harness, wiring	295134
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Nameplate	295232
		Relay (2)	295254
		Decal, U.L.	297009
		Decal, U.L. (Non-automatic)	297484
		Nameplate, Non-automatic (KN)	297506
		Nut, captive (4)	298810
29-QS		Pushbutton– Both Directions with Override	
		Screw, R.H.M. 6-32 (6)	X-49-6
		Spacer, fiber (6)	X-712-2
		Ring, lock (2)	151511
		Decal, Manual Transfer (30-150 Amp.)	294314
		Harness, wiring	294361
		Switch, toggle (2)	295030
		Socket, relay (3)	295034
		Harness, wiring	295134
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (3)	295254
		Nut, captive (6)	298810
29-QS1	PA-294100-SD	Pushbutton– Both Directions with Override	
		Clip, relay (2)	269972
		Socket, relay (2)	295150
		Relay (2)	295254
		Switch, operator (2)	298041
		Contact assembly	298054
		Nut, captive (2)	298810

Pushbutton Operations, Continued

KA-Accessory	Kit Number	Description	Part Number
29-RS		Pushbutton– Both Directions with Override	
		Screw, R.H.M. 6-32 (6)	X-49-6
		Spacer, fiber (6)	X-712-2
		Ring, lock (2)	151511
		Decal, Manual Transfer (30-150 Amp.)	294314
		Harness, wiring	294361
		Switch, toggle (2)	295030
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (3)	295254
		Nut, captive (6)	298810
29-SS	PA-294103-SD	Pushbutton– Both Directions with Override	
		Screw, R.H.M. 6-32 (6)	X-49-6
		Spacer, fiber (6)	X-712-2
		Ring, lock (3)	151511
		Terminal, adapter (4)	233704
		Switch, toggle	238357
		Decal, Manual Transfer (30-150 Amp.)	294314
		Harness, wiring	294361
		Switch, toggle (2)	295030
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (3)	295254
		Nut, captive (6)	298810
29-TS		Pushbutton– Both Directions with Override	
		Screw, R.H.M. 6-32 (6)	X-49-6
		Spacer, fiber (6)	X-712-2
		Ring, lock (3)	151511
		Terminal, adapter (4)	233704
		Switch, toggle	238357
		Decal, Manual Transfer (30-150 Amp.)	294314
		Harness, wiring	294361
		Switch, toggle (2)	295030
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (3)	295254
		Nut, captive (6)	298810

Pushbutton Operations, Continued

KA-Accessory	Kit Number	Description	Part Number
29-US	PA-297758-SD	Pushbutton– ETON with Override	
		Switch, toggle	295030
		Socket, relay	295034
		Spacer, socket	295151
		Clamp, relay hold-down	295189
		Relay	295254
		Nut, captive (2)	298810
29-VS		Pushbutton– ETON with Override	
		Insulink (4)	X-367-3
		Ring, lock	151511
		Decal, Manual Transfer (30-150 Amp.)	294314
		Switch, toggle	295030
		Socket, relay (2)	295150
		Clamp, relay hold-down (2)	295189
		Nameplate	295232
		Relay (2)	295254
		Decal, U.L. Nonautomatic	297009
		Decal, U.L., Nonautomatic (KN)	297484
		Nameplate	297506
		Nut, captive (4)	298810

Cranking Limiters

KA-Accessory	Kit Number	Description	Part Number
30-A	PA-295760-SD	Cranking Limiter	
		Socket, relay (2)	295034
		Relay, time delay (See note G)	297251
		Clamp, relay hold-down	295189
		Relay	295254
		Clamp, relay	297834
		Nut, captive (4)	298810
30-B	PA-297264-SD	Cranking Limiter	
		Socket, relay (2)	295034
		Relay	295253
		Spacer, socket (2)	295151
		Clamp, relay hold-down	295189
		Relay	295254
		Block, terminal	266118
		Nut, captive (4)	298810
30-C	PA-297695-SD	Cranking Limiter	
		Spacer, fiber (3)	X-712-2
		Clip, relay (2)	269972
		Socket, relay (3)	295034
		Relay (DPDT)	295253
		Relay, time delay	295320
		Relay (DPDT)	267697
		Clamp, relay	297834
		Nut, captive (4)	298810

Audible Alarms

KA-Accessory	Kit Number	Description	Part Number
31-AA	PA-295761-SD	Audible Alarm	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, Alarm Silencer	297277
31-AB	PA-295762-SD	Audible Alarm	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Decal, Manual Transfer (30-150 Amp.)	294314
		Transformer	295354
		Decal, Alarm Silencer	297277
31-AC	PA-295763-SD	Audible Alarm	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Decal, Manual Transfer (30-150 Amp.)	294314
		Transformer	295355
		Decal, Alarm Silencer	297277
31-AD	PA-295764-SD	Audible Alarm	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Transformer	295301
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, Alarm Silencer	297277
31-AE	PA-295765-SD	Audible Alarm	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Transformer	295302
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, Alarm Silencer	297277
31-AF	PA-295766-SD	Audible Alarm	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Transformer	295299
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, Alarm Silencer	297277

Audible Alarms, Continued

KA-Accessory	Kit Number	Description	Part Number
31-BA		Audible Alarm, 110-120 Volt	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Decal, Manual Transfer (30-150 Amp.)	294314
		Decal, Alarm Silencer	297277
31-BB		Audible Alarm, 190-208 Volt	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Decal, Manual Transfer (30-150 Amp.)	294314
		Transformer	295354
31-BC		Decal, Alarm Silencer	297277
		Audible Alarm, 220-240 Volt	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Decal, Manual Transfer (30-150 Amp.)	294314
31-BD		Transformer	295355
		Decal, Alarm Silencer	297277
		Audible Alarm, 320-416 Volt	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
31-BE		Decal, Manual Transfer (30-150 Amp.)	294314
		Transformer	295301
		Decal, Alarm Silencer	297277
		Audible Alarm, 440-480 Volt	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
31-BF		Bell, alarm	295149
		Decal, Manual Transfer (30-150 Amp.)	294314
		Transformer	295302
		Decal, Alarm Silencer	297277
		Audible Alarm, 575-600 Volt	
		Bushing, nylon	X-634-22
		Ring, lock	151511
		Switch, toggle	268015
		Bell, alarm	295149
		Decal, Manual Transfer (30-150 Amp.)	294314
		Transformer	295299
		Decal, Alarm Silencer	297277

In-Phase Monitors

KA-Accessory	Kit Number	Description	Part Number
34-ANB	PA-294204-SD	In-Phase Monitor	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295157
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	298793
		Nut, captive (4)	298810
34-AND	PA-294206-SD	In-Phase Monitor	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295159
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	298793
		Nut, captive (4)	298810
34-ANE	PA-294207-SD	In-Phase Monitor	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295906
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	298793
		Nut, captive (4)	298810
34-ANF	PA-294208-SD	In-Phase Monitor	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295907
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	298793
		Nut, captive (4)	298810

In-Phase Monitors, Continued

KA-Accessory	Kit Number	Description	Part Number
34-ANG	PA-294209-SD	In-Phase Monitor	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295908
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	298793
		Nut, captive (4)	298810
34-ANH	PA-294210-SD	In-Phase Monitor	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295909
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	298793
		Nut, captive (4)	298810
34-ANR	PA-294205-SD	In-Phase Monitor	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295158
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	298793
		Nut, captive (4)	298810
34-ARB	PA-294179-SD	In-Phase Monitor, 208V, 60 Hz.	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295157
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810

In-Phase Monitors, Continued

KA-Accessory	Kit Number	Description	Part Number
34-ARC	PA-294180-SD	In-Phase Monitor, 240 Volt, 60 Hz.	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, in-phase	295158
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810
34-ARD	PA-294181-SD	In-Phase Monitor, 480 Volt, 60 Hz.	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Monitor, In-phase	295159
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810
34-ARE	PA-294182-SD	In-Phase Monitor, 220 Volt, 50 Hz.	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Monitor, In-phase	295906
		Nut, captive (8)	298810
34-ARF	PA-294183-SD	In-Phase Monitor, 380 Volt, 50 Hz.	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Monitor, In-phase	295907
		Nut, captive (8)	298810

In-Phase Monitors, Continued

KA-Accessory	Kit Number	Description	Part Number
34-ARG	PA-294184-SD	In-Phase Monitor, 416 Volt, 50 Hz.	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Monitor, In-phase	295908
		Nut, captive (8)	298810
34-ARH	PA-294185-SD	In-Phase Monitor, 480 Volt, 50 Hz.	
		Washer, plain (8)	X-25-9
		Screw, R.H.M. #6 x 9/16 (4)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Monitor, In-phase	295909
		Nut, captive (8)	298810
34-ASB	PA-295768-SD	In-Phase Monitor, 208 Volt, 60 Hz.	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay	295034
		Monitor, In-phase	295157
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810
34-ASC	PA-295769-SD	In-Phase Monitor, 240 Volt, 60 Hz.	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay	295034
		Monitor, In-phase	295158
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810

In-Phase Monitors, Continued

KA-Accessory	Kit Number	Description	Part Number
34-ASD	PA-295770-SD	In-Phase Monitor, 480 Volt, 60 Hz.	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay	295034
		Monitor, In-phase	295159
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810
34-ASE	PA-295910-SD	In-Phase Monitor, 220 Volt, 50 Hz.	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay	295034
		Monitor, In-phase	295906
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810
34-ASF	PA-295911-SD	In-Phase Monitor, 380 Volt, 50 Hz.	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay	295034
		Monitor, In-phase	295907
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810
34-ASG	PA-295912-SD	In-Phase Monitor, 416 Volt, 50 Hz.	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay	295034
		Monitor, In-phase	295908
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Decal, U.L.	297009
		Nut, captive	298810

In-Phase Monitors, Continued

34-ASH	PA-295913-SD	In-Phase Monitor, 440 Volt, 50 Hz.	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay	295034
		Monitor, In-phase	295909
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810
KA-Accessory	Kit Number	Description	Part Number
34-ASJ		In-Phase Monitor, 600 Volt	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Socket, relay	295034
		Monitor, In-phase	294216
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810

Sync. Check Relays

KA-Accessory	Kit Number	Description	Part Number
34-BRB		Sync. Check Relay Both Directions, 190-208 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297792
		Nut, captive (8)	298810
34-BRC		Sync. Check Relay Both Directions, 220-240 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295286
		Relay	295318
		Harness wiring	295391
		Relay, synchronizing	297791
		Nut, captive (8)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-BRD		Sync. Check Relay Both Directions, 380 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Harness wiring	295391
		Transformer	295290
		Relay	295318
		Relay, synchronizing	297795
		Nut, captive (8)	298810
34-BRE		Sync. Check Relay Both Directions, 440-480 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295293
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297793
		Nut, captive (8)	298810
34-BRF		Sync. Check Relay Both Directions, 550-600 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295287
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297794
		Nut, captive (8)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-BRH		Sync. Check Relay Both Directions, 110-120 Volt	
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295284
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297790
		Nut, captive (10)	298810
34-BSB	PA-297334-SD	Sync. Check Relay Both Directions, 190-208 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 1/2 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295286
		Harness, wiring	295391
		Relay, synchronizing	297792
		Nut, captive (2)	298810
		Nut, captive (8)	298811
34-BSC	PA-297335-SD	Sync. Check Relay Both Directions, 220-240 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 1/2 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295286
		Harness, wiring	295391
		Relay, synchronizing	297791
		Nut, captive (2)	298810
		Nut, captive (8)	298811

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-BSD	PA-297336-SD	Sync. Check Relay Both Directions, 380 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 1/2 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295290
		Harness, wiring	295391
		Relay, synchronizing	297795
		Nut, captive (2)	298810
		Nut, captive (8)	298811
34-BSE	PA-297337-SD	Sync. Check Relay Both Directions, 440-480 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 1/2 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295293
		Harness, wiring	295391
		Relay, synchronizing	297793
		Nut, captive (2)	298810
		Nut, captive (8)	298811
34-BSF	PA-297338-SD	Sync. Check Relay Both Directions, 550-600 Volt	
		Terminal	X-367-1
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 1/2 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295287
		Harness, wiring	295391
		Relay, synchronizing	297794
		Nut, captive (2)	298810
		Nut, captive (8)	298811

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-BSH		Sync. Check Relay Both Directions, 110-120 Volt	
		Screw, R.H.M. #6 (2)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-26
		Spacer, fiber	X-712-2
		Socket, relay (2)	295034
		Spacer, socket (5)	295151
		Clamp, relay hold-down (3)	295189
		Relay (3)	295254
		Transformer	295284
		Harness, wiring	295391
		Relay, synchronizing	297790
		Nut, captive (10)	298810
34-CRB		Sync. Check Relay Emergency to Normal, 190-208 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 x 1/2 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295285
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297792
		Nut, captive (8)	298810
34-CRC		Sync. Check Relay Emergency to Normal 220-240 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295286
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297791
		Nut, captive (8)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-CRD		Sync. Check Relay Emergenct to Normal, 380 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295290
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297795
		Nut, captive (8)	298810
34-CRE		Sync. Check Relay Emergency to Normal, 440-480 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295293
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297793
		Nut, captive (8)	298810
34-CRF		Sync. Check Relay Emergency to Normal, 550-600 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Transformer	295287
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297794
		Nut, captive (8)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-CRH		Sync. Check Relay Emergency to Normal, 110-120 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295284
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297790
		Nut, captive (8)	298810
34-CSB	PA-297340-SD	Sync. Check Relay Emergency to Normal, 190-208 Volt	
		Terminal	X-367-1
		Insulink (2)	X-367-3
		Screw, R.H.M. 6-32 x 1/2 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295285
		Harness, wiring	295391
		Relay, synchronizing	297792
		Nut, captive (10)	298810
34-CSC		Sync. Check Relay Emergency to Normal, 220-240 Volt	
		Terminal	X-367-1
		Insulink (2)	X-367-3
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Socket, relay (2)	295034
		Harness, wiring	294176
		Harness, wiring	294177
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Transformer	295286
		Harness, wiring	295391
		Relay, synchronizing	297791
		Nut, captive (10)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-CSD	PA-297342-SD	Sync. Check Relay Emergency to Normal, 380 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 x 1/2 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Relay	295254
		Clamp, relay hold-down (2)	295189
		Transformer	295290
		Harness, wiring	295391
		Relay, synchronizing	297795
		Nut, captive (10)	298810
34-CSE	PA-297343-SD	Sync. Check Relay Emergency to Normal, 440-480 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 x 1/2 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295293
		Harness, wiring	295391
		Relay, synchronizing	297793
		Nut, captive (10)	298810
34-CSF		Sync. Check Relay Emergency to Normal, 550-600 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295287
		Harness, wiring	295391
		Relay, synchronizing	297794
		Nut, captive (10)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-CSH		Sync. Check Relay Emergency to Normal, 110-120 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295284
		Harness, wiring	295391
		Relay, synchronizing	297790
		Nut, captive (10)	298810
34-DRB		Sync. Check Relay Normal to Emergency, 190-208 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295285
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297792
		Nut, captive (8)	298810
34-DRC		Sync. Check Relay Normal to Emergency, 220-240 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295286
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297791
		Nut, captive (8)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-DRD		Sync. Check Relay Normal to Emergency, 380 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295290
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297795
		Nut, captive (8)	298810
34-DRE		Sync. Check Relay Normal to Emergency, 440-480 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295293
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297793
		Nut, captive (8)	298810
34-DRF		Sync. Check Relay Normal to Emergency, 550-600 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295287
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297794
		Nut, captive (8)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-DRH		Sync. Check Relay Normal to Emergency, 110-120 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (8)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (3)	295034
		Spacer, socket (3)	295151
		Clamp, relay hold-down (3)	295189
		Relay (2)	295254
		Transformer	295284
		Relay	295318
		Harness, wiring	295391
		Relay, synchronizing	297790
		Nut, captive (8)	298810
34-DSB		Sync. Check Relay Normal to Emergency, 190-208 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Diode, bridge 10A	241610
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Transformer	295285
		Harness, wiring	295391
		Relay, synchronizing	297792
		Nut, captive (10)	298810
34-DSC		Sync. Check Relay Normal to Emergency, 220-240 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295286
		Harness, wiring	295391
		Relay, synchronizing	297791
		Nut, captive (10)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-DSD		Sync. Check Relay Normal to Emergency, 380 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295290
		Harness, wiring	295391
		Relay, synchronizing	297795
34-DSE		Sync. Check Relay Normal to Emergency, 440-480 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295293
		Harness, wiring	295391
		Relay, synchronizing	297793
		Nut, captive (10)	298810
34-DSF		Sync. Check Relay Normal to Emergency, 110-120 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295287
		Harness, wiring	295391
		Relay, synchronizing	297794
		Nut, captive (10)	298810

Sync. Check Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
34-DSH		Sync. Check Relay Normal to Emergency, 110-120 Volt	
		Terminal	X-367-1
		Screw, R.H.M. 6-32 (10)	X-49-26
		Spacer, fiber	X-712-2
		Connector, jack 6 position	241616
		Connector, plug 6 position	241617
		Harness, wiring	294176
		Harness, wiring	294177
		Socket, relay (2)	295034
		Spacer, socket (2)	295151
		Clamp, relay hold-down (2)	295189
		Relay (2)	295254
		Transformer	295284
		Harness, wiring	295391
		Relay, synchronizing	297790
		Nut, captive (10)	298810

In-Phase Monitors

KA-Accessory	Kit Number	Description	Part Number
34-ENB	PA-298794-SD	In-Phase Monitor	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Monitor, In-Phase	295157
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	298793
		Nut, captive (2)	298810
34-ENC	PA-298795-SD	In-Phase Monitor	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Monitor, In-Phase	295158
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	298793
		Nut, captive (2)	298810
34-END	PA-298796-SD	In-Phase Monitor	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Monitor, In-Phase	295159
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	298793
		Nut, captive (2)	298810

In-Phase Monitors, Continued

KA-Accessory	Kit Number	Description	Part Number
34-ENE	PA-298797-SD	In-Phase Monitor	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Monitor, In-Phase	295906
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	298793
		Nut, captive (2)	298810
34-ENF	PA-298798-SD	In-Phase Monitor	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Monitor, In-Phase	295907
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	298793
		Nut, captive (2)	298810
34-ENG	PA-298799-SD	In-Phase Monitor	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Monitor, In-Phase	295908
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	298793
		Nut, captive (2)	298810
34-ENH	PA-298800-SD	In-Phase Monitor	
		Washer, plain (6)	X-25-9
		Screw, R.H.M. #6 x 9/16 (2)	X-49-15
		Screw, R.H.M. 6-32 x 3/8 (4)	X-49-2
		Monitor, In-Phase	295909
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	298793
		Nut, captive (2)	298810
34-ERB		In-Phase Monitor, 208 Volt, 60 Hz.	
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294217
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810

In-Phase Monitors, Continued

KA-Accessory	Kit Number	Description	Part Number
34-ERC		In-Phase Monitor, 240 Volt, 60 Hz.	
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294218
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810
34-ERD		In-Phase Monitor, 480 Volt, 60 Hz.	
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294218
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810
34-ERE		In-Phase Monitor, 220 Volt, 50 Hz.	
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294223
		Socket, relay (2)	295034
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810
34-ERF		In-Phase Monitor, 380 Volt, 50 Hz.	
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294220
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Harness, wiring	295391
		Nut, captive (8)	298810
34-ERG		In-Phase Monitor, 416 Volt 50 Hz.	
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294221
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810

In-Phase Monitors, Continued

KA-Accessory	Kit Number	Description	Part Number
34-ERH		In-Phase Monitor, 440 Volt, 50 Hz.	
		Screw, R.H.M. #6 (4)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294222
		Socket, relay (2)	295034
		Clamp, relay hold-down (2)	295189
		Relay	295254
		Relay	295318
		Harness, wiring	295391
		Nut, captive (8)	298810
34-ESB		In-Phase Monitor, 208 Volt, 60 Hz.	
		Screw, R.H.M. #6 (2)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294217
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Harness, wiring	295391
		Relay	295254
		Nut, captive	298810
34-ESC		In-Phase Monitor, 240 Volt, 60 Hz.	
		Screw, R.H.M. #6 (2)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294218
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810
34-ESD		In-Phase Monitor, 480 Volt, 60 Hz.	
		Screw, R.H.M. #6 (2)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294219
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810
34-ESE		In-Phase Monitor	
		Screw, R.H.M. #6 (2)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294223
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810

In-Phase Monitors, Continued

KA-Accessory	Kit Number	Description	Part Number
34-ESF		In-Phase Monitor, 220 Volt, 50 Hz.	
		Screw, R.H.M. #6 (2)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294220
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
34-ESG		In-Phase Monitor, 416 Volt, 50 Hz.	
		Screw, R.H.M. #6 (2)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294221
		Socket, relay	295034
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810
34-ESH		In-Phase Monitor, 440 Volt, 50 Hz.	
		Screw, R.H.M. #6 (2)	X-49-15
		Screw, R.H.M. 6-32 (4)	X-49-2
		Monitor, In-Phase	294222
		Socket, relay	295034
		Clamp, relay hold-down	295189
		Relay	295254
		Harness, wiring	295391
		Nut, captive (6)	298810

Load-Shed Contacts

KA-Accessory	Kit Number	Description	Part Number
35-B	295798-SD	Load-Shed Contacts (Not serviceable-replace with Acc. 35-GE, 35-HE, or 35-JE.)	
35-GA	PA-297120-SD	Load Shed Contacts (.6-60 Sec. Before), 110-120 V	
		Harness, wiring	295391
		Relay assy., load	A-297096
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295284
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-GB	PA-297121-SD	Load-Shed Contacts (.6-60 Sec. Before), 190-208V	
		Harness, wiring	295391
		Relay assy., load	A-297097
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295285
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810
35-GC	PA-297122-SD	Load-Shed Contacts (.6-60 Sec. Before), 220-240V	
		Harness, wiring	295391
		Relay assy., load	A-297098
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295286
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Board assy., circuit	A-297080
		(Includes the foillowing:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-GD	PA-297123-SD	Load-Shed Contacts (.6-60 Sec. Before)	
		Harness, wiring	295391
		Relay assy., load	A-297099
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295291
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810
35-GE	PA-297124-SD	Load-Shed Contacts (.6-60 Sec. Before), 440-480V	
		Harness, wiring	295391
		Relay assy., load	A-297100
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295293
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-GF	PA-297125-SD	Load Shed Contacts (.6-60 Sec. Before)	
		Harness, wiring	295391
		Relay assy., load	A-297101
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295287
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810
35-HA	297129-SD	Load-Shed Contacts (.6-60 Sec. Before, .3 Sec. After), 110-120V	
		Harness, wiring	295391
		Relay assy., load	A-297103
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295284
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Capacitor	297127
		Clip, capacitor	297128
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-HB	PA-297130-SD	Load-Shed Contacts (.6-60 Sec. Before, .3 Sec. After), 190-208V	
		Harness, wiring	295391
		Relay assy., load	A-297104
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295285
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Capacitor	297127
		Clip, capacitor	297128
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810
35-HC	PA-297131-SD	Load-Shed Contacts (.6-60 Sec. Before, .3 Sec. After), 220-240V	
		Harness, wiring	295391
		Relay assy., load	A-297105
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295286
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Capacitor	297127
		Clip, capacitor	297128
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-HD	PA-297132-SD	Load-Shed Contacts (.6-60 Sec. Before, .3 Sec. After), 380-416V	
		Harness, wiring	295391
		Relay assy., load	A-297106
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295291
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Capacitor	297127
		Clip, capacitor	297128
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810
35-HE	PA-297133-SD	Load-Shed Contacts (.6-60 Sec. Before, .3 Sec. After), 440-480V	
		Harness, wiring	295391
		Relay assy., load	A-297107
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295293
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Capacitor	297127
		Clip, capacitor	297128
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-HF	PA-297134-SD	Load Shed Contacts (.6-60 Sec. Before, .3 Sec. After), 550-600V	
		Harness, wiring	295391
		Relay assy., load	A-297126
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (DPDT) (2)	295253
		Transformer	295287
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Capacitor	297127
		Clip, capacitor	297128
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
35-JA	PA-297540-SD	Nut, captive (4)	297836
			298810
		Load-Shed Contacts (.6-60 Sec. After), 110-120V	
		Harness, wiring	295391
		Relay assy., load (Includes:)	A-298333
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (DPDT) (2)	295253
		Transformer (2)	295284
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	298319
		Decal, Accessory	298332
		Board assy., circuit	A-297724
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-JB	PA-297541-SD	Load-Shed Contacts (.6-60 Sec. After), 190-200V	
		Harness, wiring	295391
		Relay assy., load	A-298334
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (DPDT) (2)	295253
		Transformer (2)	295285
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	298319
		Decal, Accessory	298332
		Board assy., circuit	A-297724
		(Includes the following:)	
		Clip, relay (2)	269972
35-JC	PA-297542-SD	Load-Shed Contacts (.6-60 Sec. After), 220-240V	
		Harness, wiring	295391
		Relay assy., load	A-298335
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (DPDT) (2)	295253
		Transformer (2)	295286
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	298319
		Decal, Accessory	298332
		Board assy., circuit	A-297724
		(Includes the following:)	
		Clip, relay (2)	269972
35-JD	PA-297543-SD	Load-Shed Contacts (.6-60 Sec. After), 380-416V	
		Harness, wiring	295391
		Relay assy., load	A-298336
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (DPDT) (2)	295253
		Transformer	295291
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	298319
		Decal, Accessory	298332
		Board assy., circuit	A-297724
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-JE		Load-Shed Contacts (.6-60 Sec. After), 440-480V	
		Harness, wiring	295391
		Relay assy., load	A-298337
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (DPDT) (2)	295253
		Transformer (2)	295293
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	298319
		Decal, Accessory	298332
		Board assy., circuit	A-297724
		(Includes the following:)	
35-JF	297545-SD	Clip, relay (2)	269972
		Clip, relay	297836
		Load-Shed Contacts (.6-60 Sec. After), 575-600V	
		Harness, wiring	295391
		Relay assy., load	A-298338
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (DPDT) (2)	295253
		Transformer (2)	295287
		Relay, time delay	295320
		Bushing, plastic	297094
		Bracket	298319
		Decal, Accessory	298332
		Board assy., circuit	A-297724
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-KA		Load-Shed Contacts (.3-30 Sec Before, 3-300 After), 110-120V	
		Relay assy., load	A-294756
		(Includes the following:)	
		PCB Assy, ATS load shed	A-297724
		Washer, lock #8 (5)	X-22-7
		Tie, cable (2)	X-468-2
		Screw, R.H.M., #6 x 9/16 (2)	X-49-15
		Screw, R.H.M., 8-32 x 1-1/2 (5)	X-51-2
		Screw, R.H.M., 8-32 x 7/8 (4)	X-51-5
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (2)	295253
		Transformer (2)	295284
		Bushing	297094
		Relay, time delay	297906
		Bracket	298319
		Decal	298332
		Screw, R.H.M. 6-32 (4)	X-49-2
		Harness, wiring	295391
		Nut, captive (4)	298810
35-KB		Load-Shed Contacts (.3-30 Sec Before, 3-300 After), 190-208V	
		Relay assy., load	A-294755
		(Includes the following:)	
		PCB Assy, ATS load shed	A-297724
		Washer, lock #8 (5)	X-22-7
		Tie, cable (2)	X-468-2
		Screw, R.H.M., #6 x 9/16 (2)	X-49-15
		Screw, R.H.M., 8-32 x 1-1/2 (5)	X-51-2
		Screw, R.H.M., 8-32 x 7/8 (4)	X-51-5
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (2)	295253
		Transformer (2)	295285
		Bushing	297094
		Relay, time delay	297906
		Bracket	298319
		Decal	298332
		Screw, R.H.M. 6-32 (4)	X-49-2
		Harness, wiring	295391
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-KC		Load-Shed Contacts (.3-30 Sec Before, 3-300 After), 220-240V	
		Relay assy., load	A-294754
		(Includes the following:)	
		PCB Assy, ATS load shed	A-297724
		Washer, lock #8 (5)	X-22-7
		Tie, cable (2)	X-468-2
		Screw, R.H.M., #6 x 9/16 (2)	X-49-15
		Screw, R.H.M., 8-32 x 1-1/2 (5)	X-51-2
		Screw, R.H.M., 8-32 x 7/8 (4)	X-51-5
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (2)	295253
		Transformer (2)	295286
		Bushing	297094
		Relay, time delay	297906
		Bracket	298319
		Decal	298332
		Screw, R.H.M. 6-32 (4)	X-49-2
		Harness, wiring	295134
		Harness, wiring	295391
		Nut, captive (4)	298810
35-KD		Load-Shed Contacts (.3-30 Sec Before, 3-300 After), 380-416V	
		Relay assy., load	A-294753
		(Includes the following:)	
		PCB Assy, ATS load shed	A-297724
		Washer, lock #8 (5)	X-22-7
		Tie, cable (2)	X-468-2
		Screw, R.H.M., #6 x 9/16 (2)	X-49-15
		Screw, R.H.M., 8-32 x 1-1/2 (5)	X-51-2
		Screw, R.H.M., 8-32 x 7/8 (4)	X-51-5
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (2)	295253
		Transformer (2)	295291
		Bushing	297094
		Relay, time delay	297906
		Bracket	298319
		Decal	298332
		Screw, R.H.M. 6-32 (4)	X-49-2
		Harness, wiring	295134
		Harness, wiring	295391
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-KE	PA-298415-SD	Load-Shed Contacts (.3-30 Sec Before, 3-300 After), 440-480V	
		Relay assy., load	A-294647
		(Includes the following:)	
		PCB Assy, ATS load shed	A-297724
		Washer, lock #8 (5)	X-22-7
		Tie, cable (2)	X-468-2
		Screw, R.H.M., #6 x 9/16 (2)	X-49-15
		Screw, R.H.M., 8-32 x 1-1/2 (5)	X-51-2
		Screw, R.H.M., 8-32 x 7/8 (4)	X-51-5
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (2)	295253
		Transformer (2)	295293
		Bushing	297094
		Relay, time delay	297906
		Bracket	298319
		Decal	298332
		Harness, wiring	295391
		Nut, captive (4)	298810
35-KF	PA-298416-SD	Load-Shed Contacts (.3-300 Sec. After), 575-600V	
		Relay assy., load	A-294752
		(Includes the following:)	
		PCB Assy, ATS load shed	A-297724
		Washer, lock #8 (5)	X-22-7
		Tie, cable (2)	X-468-2
		Screw, R.H.M., #6 x 9/16 (2)	X-49-15
		Screw, R.H.M., 8-32 x 1-1/2 (5)	X-51-2
		Screw, R.H.M., 8-32 x 7/8 (4)	X-51-5
		Grommet, plastic (5)	X-593-2
		Strip, terminal	293653
		Relay (2)	295253
		Transformer (2)	295287
		Bushing	297094
		Relay, time delay	297906
		Bracket	298319
		Decal	298332
		Harness, wiring	295391
		Nut, captive (4)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-LA	PA-298417-SD	Load-Shed Contacts (3-300 Sec. Before Both Directions), 110-120V	
		Harness, wiring	295391
		Relay assembly, load shed	A-294756
		Relay assy., load shed	A-297907
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (2)	295253
		Transformer	295284
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Relay, time delay	297906
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
35-LB	PA-298418-SD	Clip, relay	297836
		Nut, captive (8)	298810
		Load-Shed Contacts (3-300 Sec. Before Both Directions), 190-208V	
		Harness, wiring	295391
		Relay assembly, load shed	A-294755
		Relay assy., load shed	A-297908
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (2)	295253
		Transformer	295285
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Relay, time delay	297906
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (8)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-LC	298419-SD	Load-Shed Contacts (3-300 Sec. Before Both Directions), 220-240V	
		Harness, wiring	295391
		Relay assembly, load shed	A-294754
		Relay assy., load shed	A-297927
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (2)	295253
		Transformer	295286
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Relay, time delay	297906
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
35-LD	298420-SD	Clip, relay	297836
		Nut, captive (8)	298810
		Load-Shed Contacts (3-300 Sec. Before Both Directions), 380-416V	
		Harness, wiring	295391
		Relay assembly, load shed	A-294753
		Relay assy., load shed	A-297910
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (2)	295253
		Transformer	295291
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Relay, time delay	297906
		Board assy., circuit	A-297080
		(Includes the following:)	
		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (8)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-LE	PA-298421-SD	Load-Shed Contacts (3-300 Sec. Before Both Directions), 440-480V	
		Harness, wiring	295391
		Relay assy., load shed	A-297911
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (2)	295253
		Transformer	295293
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Relay, time delay	297906
		Board assy., circuit	A-297080
		(Includes the following:)	
35-LF		Clip, relay (2)	269972
		Clip, relay	297836
		Nut, captive (8)	298810
		Load-Shed Contacts (3-300 Sec. Before Both Directions), 550-600V	
		Harness, wiring	295391
		Relay assy., load shed	A-297912
		(Includes the following:)	
		Grommet, plastic (5)	X-593-2
		Jumper, two-terminal	X-6073-2
		Strip, terminal	293281
		Relay (2)	295253
		Transformer	295287
		Bushing, plastic	297094
		Bracket	297095
		Nameplate	297110
		Relay, time delay	297906
35-MA		Load-Shed Contacts (.3-30 Sec. Before & After), 110-120V	
		Relay assy., load shed	A-297096
		Relay assy., load shed	A-298333
		Screw, R.H.M. 6-32 (8)	X-49-2
		Harness, wiring	295134
		Harness, wiring	295391
35-MB		Nut, captive (8)	298810
		Load-Shed Contacts (.3-30 Sec. Before & After), 190-208V	
		Relay assy., load shed	A-297097
		Relay assy., load shed	A-298334
		Screw, R.H.M. 6-32 (8)	X-49-2
		Harness, wiring	295134
		Harness, wiring	295391
		Nut, captive (8)	298810

Load-Shed Contacts, Continued

KA-Accessory	Kit Number	Description	Part Number
35-MC		Load-Shed Contacts (.3-30 Sec. Before & After), 220-240V	
		Relay assy., load shed	A-297098
		Relay assy., load shed	A-298335
		Screw, R.H.M. 6-32 (8)	X-49-2
		Harness, wiring	295134
35-MD		Nut, captive (8)	298810
		Load-Shed Contacts (.3-30 Sec. Before & After), 280-416V	
		Relay assy., load shed	A-297099
		Relay assy., load shed	A-298336
		Screw, R.H.M. 6-32 (8)	X-49-2
35-ME	PA-298790-SD	Harness, wiring	295134
		Harness, wiring	295391
		Nut, captive (8)	298810
		Load-Shed Contacts (.3-30 Sec. Before & After), 440-480V	
		Relay assy., load shed	A-297100
35-MF		Relay assy., load shed	A-298337
		Screw, R.H.M. 6-32 (8)	X-49-2
		Harness, wiring	295391
		Nut, captive (8)	298810
		Load-Shed Contacts (.3-30 Sec. Before & After), 575-600V	
		Relay assy., load shed	A-297101
		Relay assy., load shed	A-298338
		Screw, R.H.M. 6-32 (8)	X-49-2
		Harness, wiring	295134
		Harness, wiring	295391
		Nut, captive (8)	298810

Wire Harness Kits

KA-Accessory	Kit Number	Description	Part Number
37-A	PA-295771-SD	5 Ft. Wire Harness	295771
		Conduit, plastic	X-6003-50
		Connector, plug	295145
		Connector, receptacle	295262
37-B	PA-295772-SD	10 Ft. Wire Harness	295772
		Conduit, plastic	X-6003-38
		Connector, plug	295145
		Connector, receptacle	295262
37-C	PA-295773-SD	20 Ft. Wire Harness	295773
		Conduit, plastic	X-6003-39
		Connector, plug	295145
		Connector, receptacle	295262

Lightning Surge Protection Kits

KA-Accessory	Kit Number	Description	Part Number
38-AA	PA-294530-SD	Lightning Surge Protection, 70-104 Amp. (w/o Suppressor)	
		Washer, lock shakeproof	X-22-9
		Washer, shakeproof (2)	X-22-20
		Washer, E.T. #10 (2)	X-22-22
		Washer, plain	X-25-79
		Screw, self-tapping (4)	X-67-77
		Screw, H.C. slotted	X-97-11
		Screw, hex. head machine (2)	X-97-13
		Bracket, mounting	294509
		Block, terminal	294510
		Arrestor, lightning	294511
		Label	294512
		Bracket	294527
		Block, distribution	294528
		Lead (4)	294535
		Bolt, carriage (2)	295008
		Clip, cable (2)	299096
38-AB	PA-294531-SD	Lightning Surge Protection, 150 Amp. (w/o Suppressor)	
		Washer, shakeproof (2)	X-22-20
		Washer, E.T. #10 (2)	X-22-22
		Washer, lock shakeproof	X-22-9
		Washer, plain	X-25-79
		Screw, self tapping (8)	X-67-124
		Screw, H.C. slotted	X-97-11
		Screw, hex. head machine (2)	X-97-13
		Bracket, mounting	294509
		Block, terminal	294510
		Arrestor, lightning	294511
		Label	294512
		Bracket	294527
		Block, distribution (2)	294529
		Lead (4)	294536
		Bolt, carriage (2)	295008
		Clip, cable (2)	299096

Lightning Surge Protection Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
38-AC	PA-294532-SD	Lightning Surge Protection, 225-4000 Amp. (w/o Suppressor)	
		Washer, shakeproof (2)	X-22-20
		Washer, E.T. #10 (2)	X-22-22
		Washer, lock shakeproof	X-22-9
		Washer, plain	X-25-79
		Tie (Expense), cable (8)	X-468-2
		Screw, hex washer (2)	X-791-2
		Nut (4)	X-83-6
		Screw, H.C. slotted	X-97-11
		Screw, hex. head machine (2)	X-97-13
		Bracket, mounting	294509
		Block, terminal	294510
		Arrestor, lightning	294511
		Label	294512
		Clip, cable (8)	299096
		Washer, reducing (2)	320318
38-AD	PA-294538-SD	Lightning Surge Protection, 30 Amp. (w/o Suppressor)	
		Washer, shakeproof (2)	X-22-20
		Washer, E.T. #10 (2)	X-22-22
		Washer, lock shakeproof	X-22-9
		Washer, plain	X-25-79
		Screw, self-tapping (4)	X-67-77
		Screw, H.C., slotted	X-97-11
		Screw, hex. head machine (2)	X-97-13
		Bracket, mounting	294509
		Block, terminal	294510
		Arrestor, lightning	294511
		Label	294512
		Bracket	294527
		Block, distribution	294528
		Bolt, carriage (2)	295008
		Clip, cable (2)	299096
		Washer, reducing (2)	320318

Lightning Surge Protection Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
38-BA	PA-294556-SD	Lightning Surge Protection, 70-104 Amp. with Diode	
		Washer, shakeproof (2)	X-22-20
		Washer, E.T. #10 (2)	X-22-22
		Washer, lock shakeproof	X-22-9
		Washer, plain	X-25-79
		Screw, self-tapping	X-67-64
		Screw, self-tapping (4)	X-67-77
		Screw, H.C. slotted	X-97-11
		Screw, hex. head machine (2)	X-97-13
		Bracket, mounting	294509
		Block, terminal	294510
		Arrestor, lightning	294511
		Label	294512
		Bracket	294527
		Block, distribution	294528
		Lead (4)	294535
		Suppressor assembly	294560
		Bolt, carriage (2)	295008
		Clip, cable (2)	299096
		Washer, reducing (2)	320318
38-BB	PA-294557-SD	Lightning Surge Protection, 150 Amp. with Diode	
		Washer, shakeproof (2)	X-22-20
		Washer, E.T. #10 (2)	X-22-22
		Washer, lock shakeproof	X-22-9
		Washer, plain	X-25-79
		Screw, self-tapping	X-67-64
		Screw, self-tapping (8)	X-67-124
		Screw, H.C. slotted	X-97-11
		Screw, hex. head machine (2)	X-97-13
		Bracket, mounting	294509
		Block, terminal	294510
		Arrestor, lightning	294511
		Label	294512
		Bracket	294527
		Block, distribution (2)	294529
		Lead (4)	294536
		Suppressor assembly	294560
		Bolt, carriage (2)	295008
		Clip, cable (2)	299096
		Washer, reducing (2)	320318

Lightning Surge Protection Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
38-BC	PA-294558-SD	Lightning Surge Protection, 225-4000 Amp. with Diode	
		Washer, shakeproof (2)	X-22-20
		Washer, E.T. #10 (2)	X-22-22
		Washer, lock shakeproof	X-22-9
		Washer, plain	X-25-79
		Tie (expense), cable (8)	X-468-2
		Screw, self-tapping	X-67-64
		Screw, hex washer (2)	X-791-2
		Screw, H.C. slotted	X-97-11
		Nut, hex (4)	X-83-6
		Screw, hex. head machine (2)	X-97-13
		Bracket, mounting	294509
		Block, terminal	294510
		Arrestor, lightning	294511
		Label	294512
		Suppressor assembly	294560
		Clip, cable (8)	299096
38-BD	PA-294539-SD	Lightning Surge Protection, 30 Amp. with Suppressor	
		Washer, shakeproof (2)	X-22-20
		Washer, E.T. #10 (2)	X-22-22
		Washer, lock shakeproof	X-22-9
		Washer, plain	X-25-79
		Screw, self-tapping	X-67-64
		Screw, self-tapping (4)	X-67-77
		Screw, H.C. slotted	X-97-11
		Screw, hex. head machine (2)	X-97-13
		Bracket, mounting	294509
		Block, terminal	294510
		Arrestor, lightning	294511
		Label	294512
		Bracket	294527
		Block, distribution	294528
		Suppressor assembly	294560
		Bolt, carriage (2)	295008
		Clip, cable (2)	299096

Heater Kits

KD-Accessory	Kit Number	Description	Part Number
39-AA1	PA-297010-SD	Strip Heater Kit (without Thermostat), 110-120V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295936
		Sink, heat	297039
		U-clip	297937

Heater Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
39-AA2	PA-297015-SD	Strip Heater Kit (without Thermostat), 110-120V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap) (2)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295938
		Sink, heat	297039
		U-clip	297937
39-AA3	PA-297020-SD	Strip Heater Kit (without Thermostat), 110-120V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295939
		Sink, heat	297039
		U-clip	297937
39-AB1	PA-297011-SD	Strip Heater Kit (without Thermostat), 190-208V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Sink, heat	295039
		Heater, strip	297061
		U-clip	297937
39-AB2	PA-297016-SD	Strip Heater Kit (without Thermostat), 190-208V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap) (2)	239050
		Fuse and cap (6 Amp.) (2)	239179
		Sink, heat	295039
		Heater, strip	297062
		U-clip	297937
39-AB3	PA-297021-SD	Strip Heater Kit (without Thermostat), 190-208V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Sink, heat	295039
		Heater, strip	297063
		U-clip	297937
39-AC1	PA-297023-SD	Strip Heater Kit (without Thermostat), 220-240V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Sink, heat	295039
		Heater, strip	297040
		U-clip	297937

Heater Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
39-AC2	PA-297017-SD	Strip Heater Kit (without Thermostat), 220-240V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap) (2)	239050
		Fuse and cap (6 Amp.) (2)	239179
		Heater, strip	295937
		Sink, heat	295039
		U-clip	297937
39-AC3	PA-297022-SD	Strip Heater Kit (without Thermostat), 220-240V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	297047
		Sink, heat	295039
		U-clip	297937
39-AD1	PA-297013-SD	Strip Heater Kit (without Thermostat), 380-416V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295939
		Sink, heat	297039
		Transformer	297048
39-AD2	PA-297018-SD	Strip Heater Kit (without Thermostat), 380-416V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295939
		Sink, heat	297039
		Transformer	297048
39-AD3	PA-297024-SD	Strip Heater Kit (without Thermostat), 380-480V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295939
		Sink, heat	297039
		Transformer	297048
39-AE1	PA-297014-SD	Strip Heater Kit (without Thermostat), 440-480V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295936
		Sink, heat	297039
		Transformer	297048
		U-clip	297937

Heater Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
39-AE2	PA-297019-SD	Strip Heater Kit (without Thermostat), 440-480V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295938
		Sink, heat	297039
		Transformer	297048
		U-clip	297937
39-AF1	PA-297325-SD	Strip Heater Kit (without Thermostat), 550-600V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295936
		Sink, heat	297039
		Transformer	297331
		U-clip	297937
39-AF2	PA-297326-SD	Strip Heater Kit (without Thermostat), 550-600V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295938
		Sink, heat	297039
		Transformer	297331
		U-clip	297937
39-AF3	PA-297327-SD	Strip Heater Kit (without Thermostat), 550-600V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295939
		Sink, heat	297039
		Transformer	297331
		U-clip	297937
39-BA1	PA-297025-SD	Strip Heater Kit (with Thermostat), 110-120V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295936
		Thermostat	295940
		Sink, heat	297039
		U-clip	297937

39-BA2	PA-297030-SD	Strip Heater Kit (with Thermostat), 110-120V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap) (2)	239050
		Fuse and cap (6 Amp.) (2)	239179
		Heater, strip	295938
		Thermostat	295940
		Sink, heat	297039
		U-clip	297937

Heater Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
39-BA3	PA-297035-SD	Strip Heater Kit (with Thermostat), 110-120V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295939
		Thermostat	295940
		Sink, heat	297039
		U-clip	297937
39-BB1	PA-297026-SD	Strip Heater Kit (with Thermostat), 190-208V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	297061
		U-clip	297937
39-BB2	PA-297031-SD	Strip Heater Kit (with Thermostat), 190-208V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap) (2)	239050
		Fuse and cap (6 Amp.) (2)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	297062
		U-clip	297937
39-BB3	PA-297036-SD	Strip Heater Kit (with Thermostat), 190-208V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	297063
		U-clip	297937
39-BC1	PA-297027-SD	Strip Heater Kit (with Thermostat), 220-240V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	297040
		U-clip	297937

Heater Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
39-BC2	PA-297032-SD	Strip Heater Kit (with Thermostat), 220-240V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap) (2)	239050
		Fuse and cap (6 Amp.) (2)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	295937
		U-clip	297937
39-BC3	PA-297037-SD	Strip Heater Kit (with Thermostat), 220-240V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap) (2)	239050
		Fuse and cap (6 Amp.)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	297047
		U-clip	297937
39-BD1	PA-297028-SD	Strip Heater Kit (with Thermostat), 380-416V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	295938
		Transformer	297048
U-clip	297937		
39-BD2	PA-297033-SD	Strip Heater Kit (with Thermostat), 380-416V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	295939
		Transformer	297048
U-clip	297937		
39-BD3	PA-297038-SD	Strip Heater Kit (with Thermostat), 380-416V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Thermostat	295940
		Sink, heat	297039
		Heater, strip	295939
		Transformer	297048
U-clip	297937		

Heater Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
39-BE1	PA-297029-SD	Strip Heater Kit (with Thermostat), 440-480V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295936
		Thermostat	295940
		Sink, heat	297039
		Transformer	297048
39-BE2	PA-297034-SD	Strip Heater Kit (with Thermostat), 440-480V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295938
		Thermostat	295940
		Sink, heat	297039
		Transformer	297048
39-BE3	PA-297038-SD	Strip Heater Kit (with Thermostat), 380-480V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295939
		Thermostat	295940
		Sink, heat	297039
		Transformer	297048
39-BE4	PA-298964-SD	Strip Heater Kit (with Thermostat)	
		Block, terminal	X-405-2
		Block, fuse	X-6129-2
		Fuse 600 V., 15 A.	X-6135-4
		Insulator, panel	233269
		Heater, strip (2)	295938
		Thermostat	295940
		Sink, heat (2)	297039
39-BF1	PA-297328-SD	Strip Heater Kit (with Thermostat), 550-600V, 30-150 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295936
		Thermostat	295940
		Sink, heat	297039
		Transformer	297331
		U-clip	297937

Handle, External Manual Operating Kits

KA-Accessory	Kit Number	Description	Part Number
39-BF2	PA-297329-SD	Strip Heater Kit (with Thermostat), 550-600V, 225-400 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295938
		Thermostat	295940
		Sink, heat	297039
		Transformer	297331
39-BF3	PA-297330-SD	Strip Heater Kit (with Thermostat), 550-600V, 600-800 Amp.	
		Insulator, panel (2)	233269
		Holder, fuse (without cap)	239050
		Fuse and cap (6 Amp.)	239179
		Heater, strip	295939
		Thermostat	295940
		Sink, heat	297039
		Transformer	297331
40-A1		Handle, External Manual Operating, 30-150 Amp.	
		Bushing, nylon	X-634-5
		Ring, lock	151511
		Switch, toggle	238357
		Plate, base	297320
		Kit, external handle	297321
		Decal	297348
		Nameplate	297786
40-A2		Handle, External Manual Operating, 150 Amp.	
		Bushing, nylon	X-634-5
		Ring, lock	151511
		Switch, toggle	238357
		Plate, base	297320
		Kit, external handle	297252
		Decal	297348
		Nameplate	297786
40-B		Handle, External Manual Operating, 225-260 Amp. (Consult Factory)	
40-C		Handle, External Manual Operating, 400 Amp. (Consult Factory)	
40-D		Pedestal Mounting Feet, 30-150 Amp., Nema Type 1	
		Screw (expense), H.C. (6)	X-125-3
		Washer (expense), plain (12)	X-25-85
		Nut (expense), whiz (6)	X-6210-7
		Bracket, mounting (2)	297359
		Pedestal Mounting Feet, 30-150 Amp., Nema Type 3R	
		Screw (expense) H.C. (6)	X-125-3
		Washer (expense) plain (12)	X-25-85
		Nut (expense) whiz (6)	X-6210-7
		Bracket, mounting (2)	297256

Handle, External Manual Operating Kits, Continued

KA-Accessory	Kit Number	Description	Part Number
		Pedestal Mounting Feet, 225-400 Amp., Nema Type 1	
		Screw (expense), H.C. (6)	X-125-3
		Washer (expense), plain (12)	X-25-85
		Nut (expense), whiz (6)	X-6210-7
		Bracket, mounting (2)	297260
		Pedestal Mounting Feet, 225-400 Amp., Nema Type 3R	
		Screw (expense) H.C. (6)	X-125-3
		Washer (expense) plain (12)	X-25-85
		Nut (expense) whiz (6)	X-6210-7
		Bracket, mounting (2)	297259
		Pedestal Mounting Feet, 600-800 Amp., Nema Type 1	
		Screw (expense), H.C. (6)	X-125-3
		Washer (expense), plain (12)	X-25-85
		Nut (expense), whiz (6)	X-6210-7
		Bracket, mounting (2)	297263
		Pedestal Mounting Feet, 600-800 Amp., Nema Type 3R	
		Screw (expense), H.C. (6)	X-125-3
		Washer (expense), plain (12)	X-25-85
		Nut (expense), whiz (6)	X-6210-7
		Bracket, mounting (2)	297262
40-E	Handle, External Manual Operating (Consult Factory)		
40-F	Handle, External Manual Operating (Consult Factory)		

Dead Buss Relays

KA-Accessory	Kit Number	Description	Part Number
54-AA		Dead Buss Relay, 110-120 Volt	
		Conduit, plastic	X-6003-36
		Transformer assy.	A-295048
		(Includes the following:)	
		Bracket, transformer	295020
		Decal, part no.	295064
		Transformer (2)	295280
		Transformer (4)	295284
		Decal, nine-terminal block	295306
		Decal, six-terminal block	295307
		Block, nine-terminal	295313
		Block, six-terminal	295314
		Cover, terminal strip	295925
		Relay assy. (Includes the following:)	A-295987
		Socket, relay (5)	295034
		Clamp, relay hold-down (5)	295189
		Relay (DPDT) (3)	295253
		Relay (DPDT) (2)	295254
		Cover, terminal strip	295925
		Block, 16-terminal	295988
		Block, eight-terminal	295266
		Bracket, mounting	295989

Dead Buss Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
		Insulator, plate	295990
		Nameplate, (NC, NA,...)	295991
		Nameplate (B5, B5,...)	295992
		Nameplate, Line Potential Caution	295993
		Capacitor	297071
54-AB		Dead Buss Relay, 190-208 Volt	
		Conduit, plastic	X-6003-36
		Transformer assy.	A-295044
		(Includes the following:)	
		Bracket, transformer	295020
		Decal, part no.	295060
		Transformer (2)	295281
		Transformer (4)	295285
		Decal, nine-terminal block	295306
		Decal, six-terminal block	295307
		Block, nine-terminal	295313
		Block, six-terminal	295314
		Cover, terminal strip	295925
		Relay assy.	A-295987
		(See 54-AA for components)	
54-AC	PA-297824-SD	Dead Buss Relay, 220-240 Volt	
		Conduit, plastic	X-6003-36
		Transformer assy.	A-295045
		(Includes the following:)	
		Bracket, transformer	295020
		Decal, part no.	295061
		Transformer (2)	295282
		Transformer (4)	295286
		Decal, nine-terminal block	295306
		Decal, six-terminal block	295307
		Block, nine-terminal	295313
		Block, six-terminal	295314
		Cover, terminal strip	295925
		Relay assy.	A-295987
		(See 54-AA for components)	
54-AD	PA-297825-SD	Dead Buss Relay, 380-416 Volt	
		Conduit, plastic	X-6003-36
		Transformer assy.	A-295050
		(Includes the following:)	
		Bracket, transformer	295020
		Decal, part no.	295066
		Transformer (2)	295289
		Transformer (4)	295291
		Decal, nine-terminal block	295306
		Decal, six-terminal block	295307
		Block, nine-terminal	295313
		Block, six-terminal	295314
		Cover, terminal strip	295925
		Relay assy.	A-295987
		(See 54-AA for components)	

Dead Buss Relays, Continued

KA-Accessory	Kit Number	Description	Part Number
54-AE	PA-295951-SD	Dead Buss Relay, 440-480 Volt	
		Conduit, plastic	X-6003-36
		Transformer assy.	A-295046
		(Includes the following:)	
		Bracket, transformer	295020
		Decal, part no.	295062
		Transformer (2)	295292
		Transformer (4)	295293
		Decal, nine-terminal block	295306
		Decal, six-terminal block	295307
		Block, nine-terminal	295313
		Block, six-terminal	295314
		Cover, terminal strip	295925
		Relay assy.	A-295987
		(See 54-AA for components)	
54-AF	PA-297826-SD	Dead Buss Relay, 550-600 Volt	
		Conduit, plastic	X-6003-36
		Transformer assy.	A-295047
		(Includes the following:)	
		Bracket, transformer	295020
		Decal, part no.	295063
		Transformer (2)	295283
		Transformer (4)	295287
		Decal, nine-terminal block	295306
		Decal, six-terminal block	295307
		Block, nine-terminal	295313
		Block, six-terminal	295314
		Cover, terminal strip	295925
		Relay assy.	A-295987
		(See 54-AA for components)	

Ground Lugs

KA-Accessory	Kit Number	Description	Part Number
	PA-294151-SD	Ground Lug Kit	
		Insulator, standoff (3)	233568
		Decal	297597
		Bracket, mounting	297604
		Lug, terminal (3)	297605
	PA-295070-SD	Ground Lug Kit	
		Washer, lock shakeproof (3)	X-22-9
		Screw, H.C. slotted 10-32 x 3/8 (3)	X-97-11
		Insulator, panel (2)	233269
		Lug, terminal (3)	295303
	PA-295071-SD	Bracket, mounting	295304
		Ground Lug Kit	
		Lug (3)	X-6207-5
		Insulator, standoff (2)	233568
		Bracket, mounting	294362

Ground Lugs, Continued

KA-Accessory	Kit Number	Description	Part Number
	PA-295072-SD	Ground Lug Kit Lug (3) Insulator, standoff (2) Bracket, mounting	X-6207-9 233568 294359
	PA-295073-SD	Ground Lug Kit Insulator, standoff (3) Lug, terminal Bracket, mounting Decal	233568 295296 295298 297556
	PA-297583-SD	Ground Lug Kit Insulator, standoff (3) Bracket, mounting Lug, terminal (3) Decal	233568 295298 297582 297597
	PA-297606-SD	Ground Lug Kit Insulator, standoff (3) Lug, terminal (6) Bracket, mounting	233568 297582 297604
	PA-297607-SD	Ground Lug Kit Insulator, standoff (3) Lug, terminal Decal Bracket, mounting	233568 297582 297597 297604

Nonstandard Accessories

KA-Accessory	Kit Number	Description	Part Number
70-A (Consult Factory)		Nonstandard Accessory(ies)	
75-S1	PA-297498-SD	Single Phase Sensing Board assy., circuit (For serviceable components, see Inner Panel, Automatic (K)-Solid State")	C-297373
75-S2	PA-297499-SD	Single Phase Sensing Board assy., circuit (For serviceable components, see Inner Panel, Automatic (K)-Solid State")	D-297372

SPECTRUM™

DETROIT DIESEL



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