

Parts Manual

Transfer Switch

800/1000/1200 Amps

OTPCD (Spec A)

OTPCE (Spec D)

MODEL IDENTIFICATION

This catalog covers models produced under the Cummins®/Onan® and Cummins Power Generation brand names.

To avoid errors or delay in filling your parts order, always give the MODEL, SPEC NO. and SERIAL NO. from the Cummins Power Generation nameplate.

For handy reference, insert your nameplate information in the spaces below.

MODEL AND SPEC NO.

SERIAL NO.

DIGITAL CONTROL SOFTWARE VERSION
AND DATE (IF APPLICABLE)

SAFETY PRECAUTIONS

The following symbols are used in Cummins Power Generation manuals to alert users to the potentially dangerous conditions relating to maintenance of equipment and replacement of parts. Please read and observe.



This symbol warns of immediate hazards which will result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



This symbol refers to a hazard or unsafe practice which can result in severe personal injury or product or property damage.

PRODUCT SAFETY PRECAUTIONS



Service and repair of Cummins Power Generation equipment must be performed by trained, experienced personnel only. Improper service or repair may result in property damage, severe personal injury or death. Do not use this catalog as a guide to servicing your equipment. Read and follow the IMPORTANT SAFETY INSTRUCTIONS in the Service Manual appropriate for the equipment you are working on.



Contact with USED ENGINE OILS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking or changing engine oils take all necessary precautions not to ingest, breathe the fumes or contact the used oil.



Contact with ASBESTOS has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When handling engine gaskets take all necessary precautions not to ingest, breathe or contact the dust from the gaskets! Use adequate ventilation and wear protective gloves, masks and clothing!



Contact with BENZINE and LEAD, found in gasoline, fuel additives and solvents has been identified by a United States federal agency and some USA state agencies as causing CANCER or REPRODUCTIVE TOXICITY. When checking, draining or adding gasoline and fuel additives or using solvents take all necessary precautions not to ingest, breathe the fumes or contact the liquids. Use adequate ventilation and wear protective gloves, masks and protective clothing!

Introduction

This catalog applies to the OTPCD 800/1000 Amp and OTPCE 1200 Amp Transfer Switch. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the model and spec number from the switch box nameplate, select the parts that apply to your Transfer Switch. Unless otherwise noted in the parts description, parts are interchangeable between models.

Feature Options

Code	Description	Code	Description
A028	3-Pole Switch	L203	Auxiliary Relay – Normal Position – 12V
A029	4-Pole Switch	L204	Auxiliary Relay – Generator Start – 12V
A035	Utility to Generator Set Applications	M003	Terminal Block – 30 Points
A036	Utility to Utility Applications	M007	Load Shed – From Emergency
A037	Generator Set to Generator Set Applications	M017	Security – Front Panel
A041	One Phase – 2 or 3 wire	M018	Display – Digital
A042	Three Phase – 3 or 4 wire	M020	Communications – Lonworks
A044	Frequency – 60 Hz	M022	Monitoring – Load
A045	Frequency – 50 Hz	M023	Module – Relay Signal
A046	Listing – UL	N002	Terminal Block – Battery Charger Alarm
A064	Listing – UL/NFPA-20	N009	Bus Stubs Connection
B001	Cabinet – Type 1	N013	Harness – Extension
B002	Cabinet – Type 3R	N032	Lug Adapters – Compression
B003	Cabinet – Type 4	N045	Cable Lugs – Mechanical 4–600MCM/Pole
B004	Construction – Open	N066	Cable Lugs – Mechanical 4–750MCM/Pole
B010	Cabinet – Type 12	R020	Voltage – 120
B025	Cabinet – Type 4x – Stainless	R021	Voltage – 208
C023	Control – Level 1	R022	Voltage – 220
C024	Control – Level 2	R023	Voltage – 240
D009	Meters – Bar Graph Display	R024	Voltage – 380
K001	Battery Charger – 2 Amp, 12/24V	R025	Voltage – 416
K002	Battery Charger – 10 Amp, 12V	R026	Voltage – 480
K003	Battery Charger – 10 Amp, 24V	R027	Voltage – 600
L101	Auxiliary Relay – 24V Coil	R035	Voltage – 440
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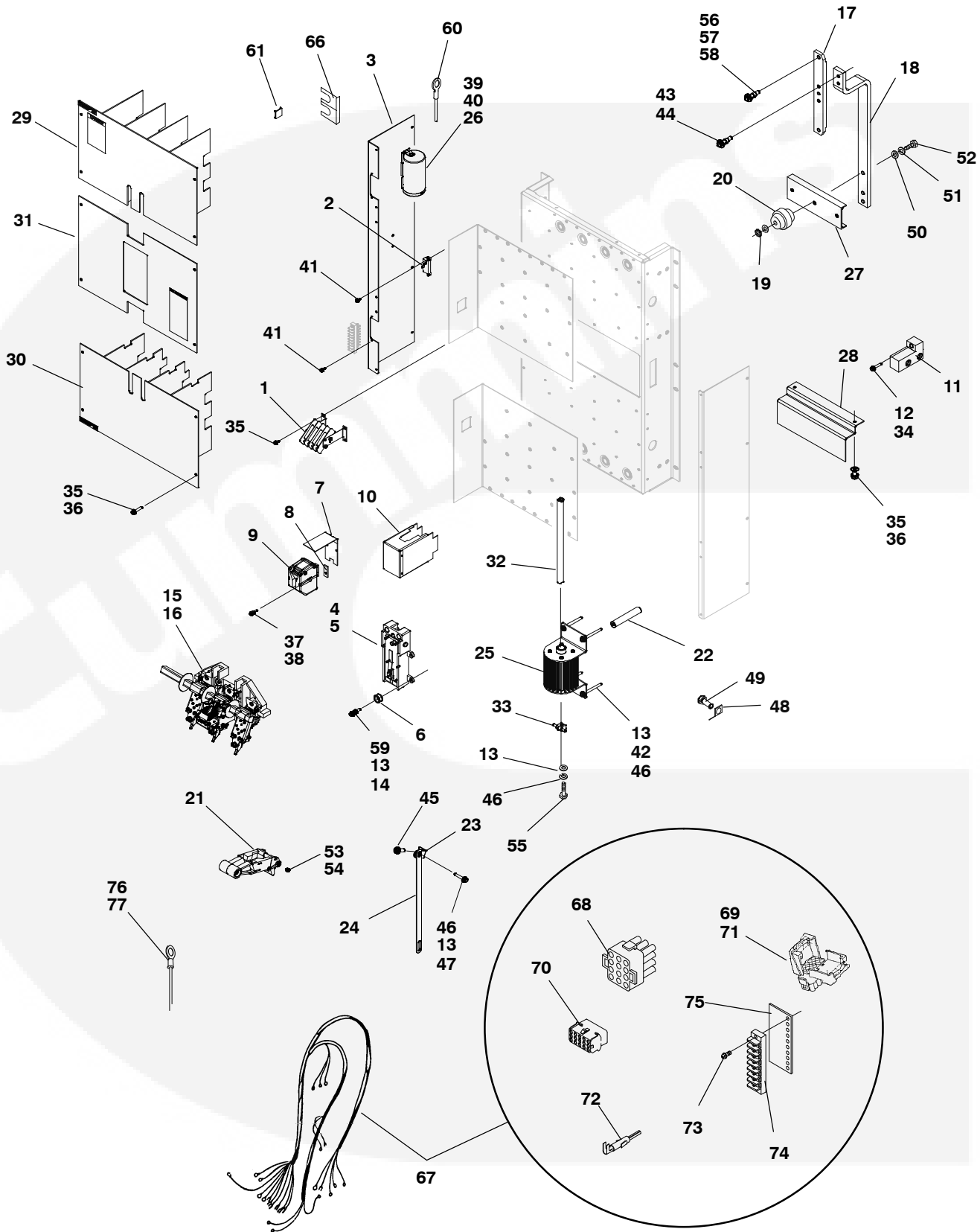
Some of the following abbreviations may be used throughout this Parts Catalog:

AC	Alternating Current	MCM	Circular Mils/1000
Amp	Ampere	mm	Millimeter
A/R	As Required	MOH	Mobile Off Highway
AVR	Automatic Voltage Regulator	NFS	Not For Sale
AWG	American Wire Gauge	NPT	National Pipe Thread
CSA	Canadian Standard Association	OD	Outside Diameter
DC	Direct Current	oz.	Ounce
Deg.	Degree	PCB	Printed Circuit Board
EFC	Electronic Fuel Control	Ph	Phase
EIT	External/Internal Tooth	PMG	Permanent Magnet Generator
EPROM	Erasable Programmable Read Only Memory	PT/CT	Potential Transformer/ Current Transformer
ET	External Tooth	RFI	Radio Frequency Interference
GFI	Ground Fault Interrupter	RT	Right
ID	Inside Diameter	Spec	Specification
IEC	International Electrotechnical Commission	Thk	Thick
IT	Internal Tooth	UL	Underwriters Laboratories Inc.
kW	Kilowatt	UNC	Union National Coarse
LPG	Liquid Petroleum Gas	UNF	Union National Fine
LT	Left	VAC	Volts Alternating Current
M(meter number)	Meter	VDC	Volts Direct Current
		W/(ET, IT, EIT)	With

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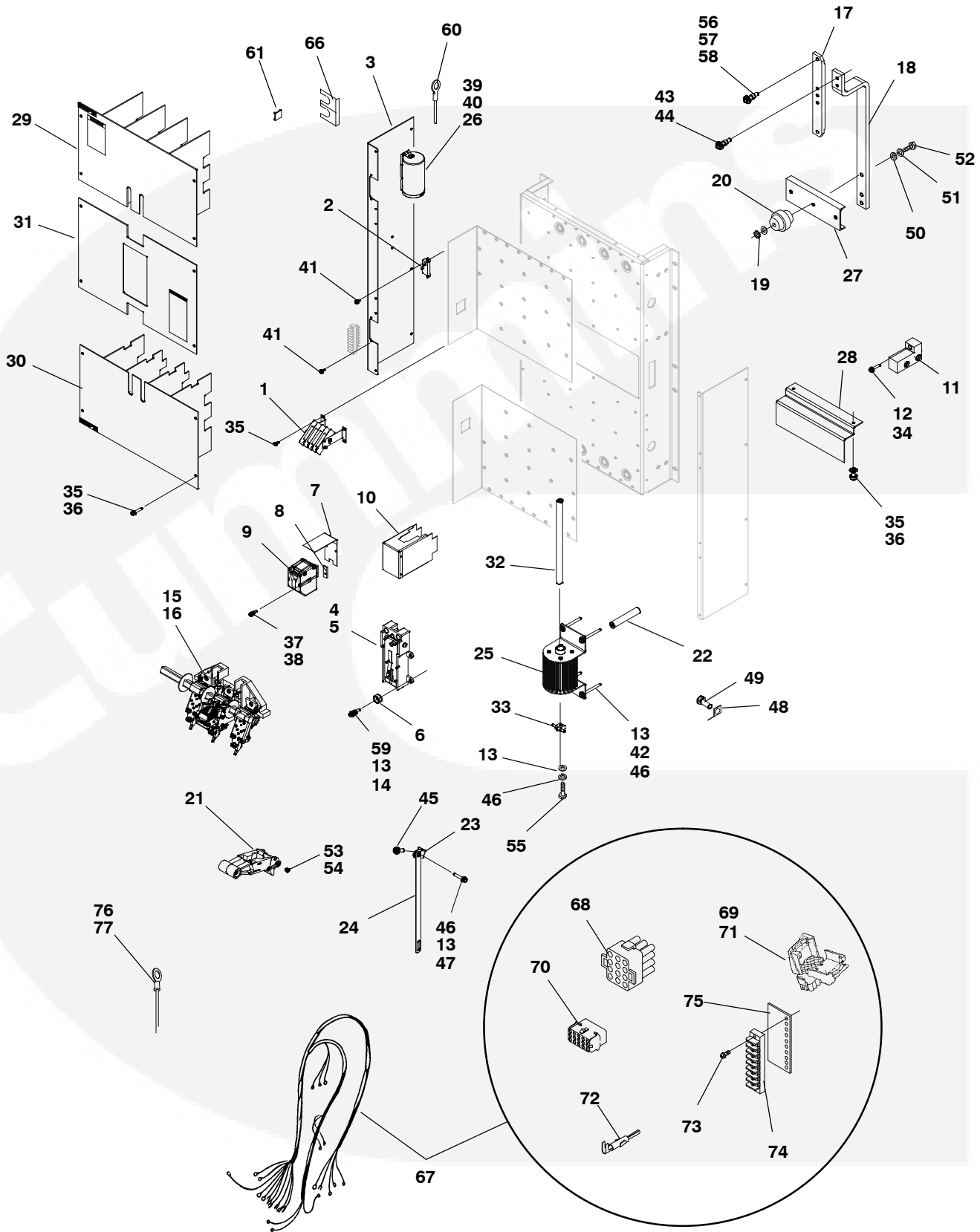
Transfer Switch **3-Pole Front Connect (800, 1000 Amp)**



Transfer Switch 3-Pole Front Connect (800, 1000 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-4751	2	Contact, Auxiliary	25			Actuator, Linear
2			Breaker, Circuit	306-3448-01	1		115 VAC
	320-1106	1	115 VAC	306-3448-02	1		190 VAC
	320-0612	1	190 VAC	306-3448-03	1		208 VAC
	320-0612	1	208 VAC	306-3448-04	1		220/240 VAC
	320-0612	1	220/240 VAC	306-3448-06	1		380/416 VAC
	320-0611	1	380/416 VAC	306-3448-07	1		440/480 VAC
	320-0611	1	440/480 VAC	26			Capacitor
3	306-3450	1	Bracket, Terminal	312-0234	2		190 VAC
4	306-5022-01	2	Block, Center Contact	312-0233	2		208 VAC
5	306-5022-02	4	Block, Outer Contact	312-0206-S0	2		220/240 VAC
6	306-3441	16	Cup, Insulator	312-0218-S0	2		380/416 VAC
7	306-0669	6	Barrier, Arc Chute	312-0206-S0	2		440/480 VAC
8	306-0668	12	Spacer, Arc Chute	27	306-3442	1	Support, Bus
9	306-4926	6	Chute, Arc	28	319-6812	1	Cover, Terminal (3 Pole)
10	306-1038	6	Barrier, Arc Chute	29	306-4271	1	Cover, Labeled
11	332-2736	9	Lug, Solderless	30	306-4265	1	Cover, Labeled
12	850-0060	9	Washer, Lock – Split (1/2)	31	306-4272	1	Cover, Labeled
13	526-0018	32	Washer, Flat (1/4)	32	306-3452	1	Rod, Actuator
14	815-0667	36	Screw, Hex Head – W/IT (1/4-20 x 1.25)	33	306-3400-02	2	Rod, End
				34	815-0799-01	9	Screw, Cap – Socket Head (1/2-13 x 2.25)
15	306-4980-01	1	Crossbar, Normal	35	815-0652	31	Screw, Slotted – Hex Head (#10-32 x .50)
16	306-4980-02	1	Crossbar, Emergency	36	526-0008	14	Washer, Flat (#10)
17			Strap, Jumper	37	526-0003	12	Washer, Flat (#8)
	337-2334	3	800 Amp	38	850-0025	12	Washer, Lock – Split (#8)
	337-2335	3	1000 Amp	39	815-0029	4	Screw, Maschine – Flat Head – Cross Recessed (#10-32 x .50)
18			Strap, Load				
	337-2332	3	800 Amp				
	337-2333	3	1000 Amp				
19	526-0030	3	Washer, Flat (3/8)	40	870-0131	4	Nut, Hex – W/ET (#10-32)
20	332-2744-07	3	Standoff, Insulator	41	815-0651	6	Screw, Pan Head – Cross Recessed – W/ET (#6-32 x .75)
21	306-0819	2	Handle, Actuator (See Separate Page For Components)				
22	306-2276	4	Spacer, Actuator Mounting				
23	306-0508	2	Arm, Interlock				
24	306-3451	1	Bar, Interlock				

Transfer Switch **3-Pole Front Connect (800, 1000 Amp)**

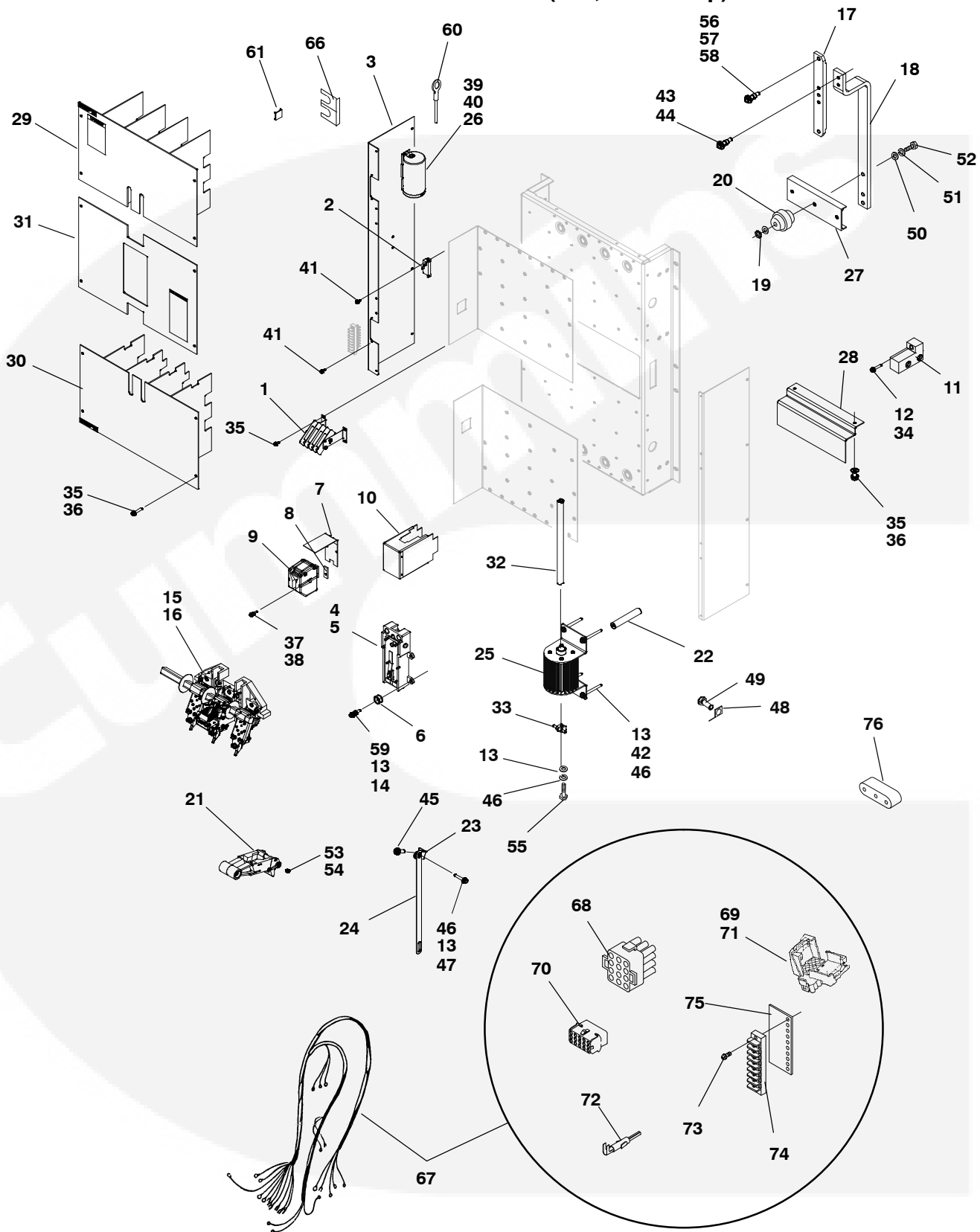


Transfer Switch 3-Pole Front Connect (800, 1000 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
42	800-0185	4	Screw, Cap – Hex Head (1/4-20 x 5.50)	58	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1.75)
43	851-0028	6	Washer, Spring (5/16)	59	166-0122	4	Spacer, Mounting Screw
44	800-0031	6	Screw, Cap – Hex Head (5/16-18 x 1.5)	60	226-3380	A/R	Lead
45	815-0446	4	Screw, Round Head – Cross Recessed – W/IT (#8-32 x .50)	61	332-2420	A/R	Mount, Cable Tie
46	850-0040	8	Washer, Lock – Split (1/4)	62	306-0603	1	Spacer, Line Strap (Not Shown)
47	800-0003	2	Screw, Cap – Hex Head (1/4-20 x .50)	63	306-0603-01	1	Spacer, Line Strap (Not Shown)
48	332-2834	6	Terminal, Tab	64	306-4162-01	1	Spacer, Line Strap (Not Shown)
49	815-0285	6	Screw, Machine – Round Head – W/ET (#8-32 x 5/16)	65	306-4162-02	1	Spacer, Line Strap (Not Shown)
50	526-0029	3	Washer, Flat (3/8)	66	332-2605	1	Jumper, Terminal
51	850-0050	3	Washer, Lock – Split (3/8)	67	338-4898	1	Harness, Switch (Includes the Parts Marked ^)
52	800-0050	3	Screw, Cap – Hex Head 800 Amp (3/8-16 x 1)	68	323-1314	1	^ Plug, Connector (12 Place)
	800-0051	3	1000 Amp (3/8-16 x 1.25)	69	323-1316	2	^ Relief, Strain (12 Place)
53	850-0030	4	Washer, Lock – Split (#10)	70	323-1156	1	^ Plug, Connector (15 Place)
54	815-0485	4	Screw, Shoulder (#10-32)	71	323-1158	2	^ Relief, Strain (15 Place)
55	800-0007	2	Screw, Cap – Hex Head (1/4-20 x 1.00)	72	323-1199	23	^ Pin, Contact
56	306-1398	6	Bushing	73	815-0937	4	^ Screw, Pan Head – Cross Recessed (#6-32 x 1/2)
57	851-0022	6	Washer, Spring (3/8)	74	332-2832	2	^ Block, Terminal (8 Place)
				75	332-2903	2	^ Marker, Strip
				76	226-4796-04	1	Lead (NN)
				77	226-4796-03	1	Lead (EN)

^ Parts Included in 338-4898 Wiring Harness.

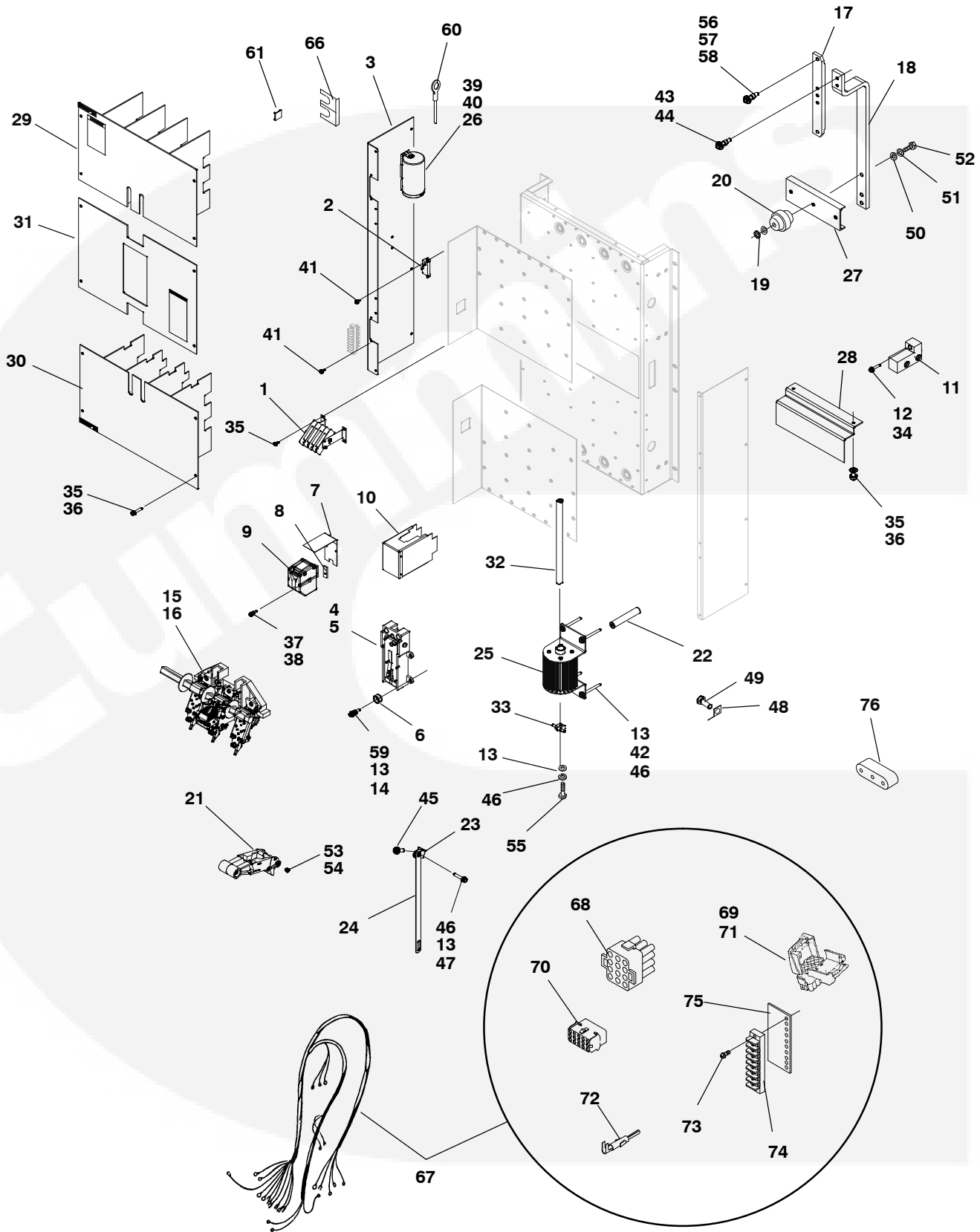
Transfer Switch **4-Pole Front Connect (800, 1000 Amp)**



Transfer Switch **4-Pole Front Connect (800, 1000 Amp)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-4751	2	Contact, Auxiliary	25			Actuator, Linear
2			Breaker, Circuit	306-3448-01	1		115 VAC
	320-1106	1	115 VAC	306-3448-02	1		190 VAC
	320-0612	1	190 VAC	306-3448-03	1		208 VAC
	320-0612	1	208 VAC	306-3448-04	1		220/240 VAC
	320-0612	1	220/240 VAC	306-3448-06	1		380/416 VAC
	320-0611	1	380/416 VAC	306-3448-07	1		440/480 VAC
	320-0611	1	440/480 VAC	26			Capacitor
3	306-3450	1	Bracket, Terminal	312-0234	2		190 VAC
4	306-5022-01	2	Block, Contact	312-0233	2		208 VAC
5	306-5022-02	6	Block, Contact	312-0206-S0	2		220/240 VAC
6	306-3441	20	Cup, Insulator	312-0218-S0	2		380/416 VAC
7	306-0669	8	Barrier, Arc Chute	312-0206-S0	2		440/480 VAC
8	306-0668	16	Spacer, Arc Chute	27	306-3499	1	Support, Bus
9	306-4926	8	Chute, Arc	28	319-6813	1	Cover, Terminal
10	306-1038	8	Barrier, Arc Chute	29	306-4271	1	Cover, Labeled
11	332-2736	12	Lug, Solderless	30	306-4265	1	Cover, Labeled
12	850-0060	12	Washer, Lock - Split (1/2)	31	306-4272	1	Cover, Labeled
13	526-0018	40	Washer, Flat (1/4)	32	306-3452	1	Rod, Actuator
14	815-0667	48	Screw, Hex Head - W/IT (1/4-20 x 1.25)	33	306-3400-02	2	Rod, End
15	306-4982-01	1	Crossbar, Arm	34	815-0799-01	12	Screw, Cap - Socket Head (1/2-13 x 2.25)
16	306-4982-02	1	Crossbar, Arm	35	815-0652	31	Screw, Slotted - Hex Head (#10-32 x .50)
17			Strap, Jumper	36	526-0008	14	Washer, Flat (#10)
	337-2334	4	800 Amp	37	526-0003	16	Washer, Flat (#8)
	337-2335	4	1000 Amp	38	850-0025	16	Washer, Lock - Split (#8)
18			Strap, Load	39	815-0029	4	Screw, Maschine - Flat Head - Cross Recessed (#10-32 x .50)
	337-2332	4	800 Amp				
	337-2333	4	1000 Amp				
19	526-0030	4	Washer, Flat (3/8)	40	870-0131	4	Nut, Hex - W/ET (#10-32)
20	332-2744-07	4	Standoff, Insulator	41	815-0651	6	Screw, Pan Head - Cross Recessed - W/ET (#6-32 x .75)
21	306-0819	2	Handle, Actuator (See Separate Page For Components)				
22	306-2276	4	Spacer, Actuator Mounting				
23	306-0508	2	Arm, Interlock				
24	306-3451	1	Bar, Interlock				

Transfer Switch **4-Pole Front Connect (800, 1000 Amp)**

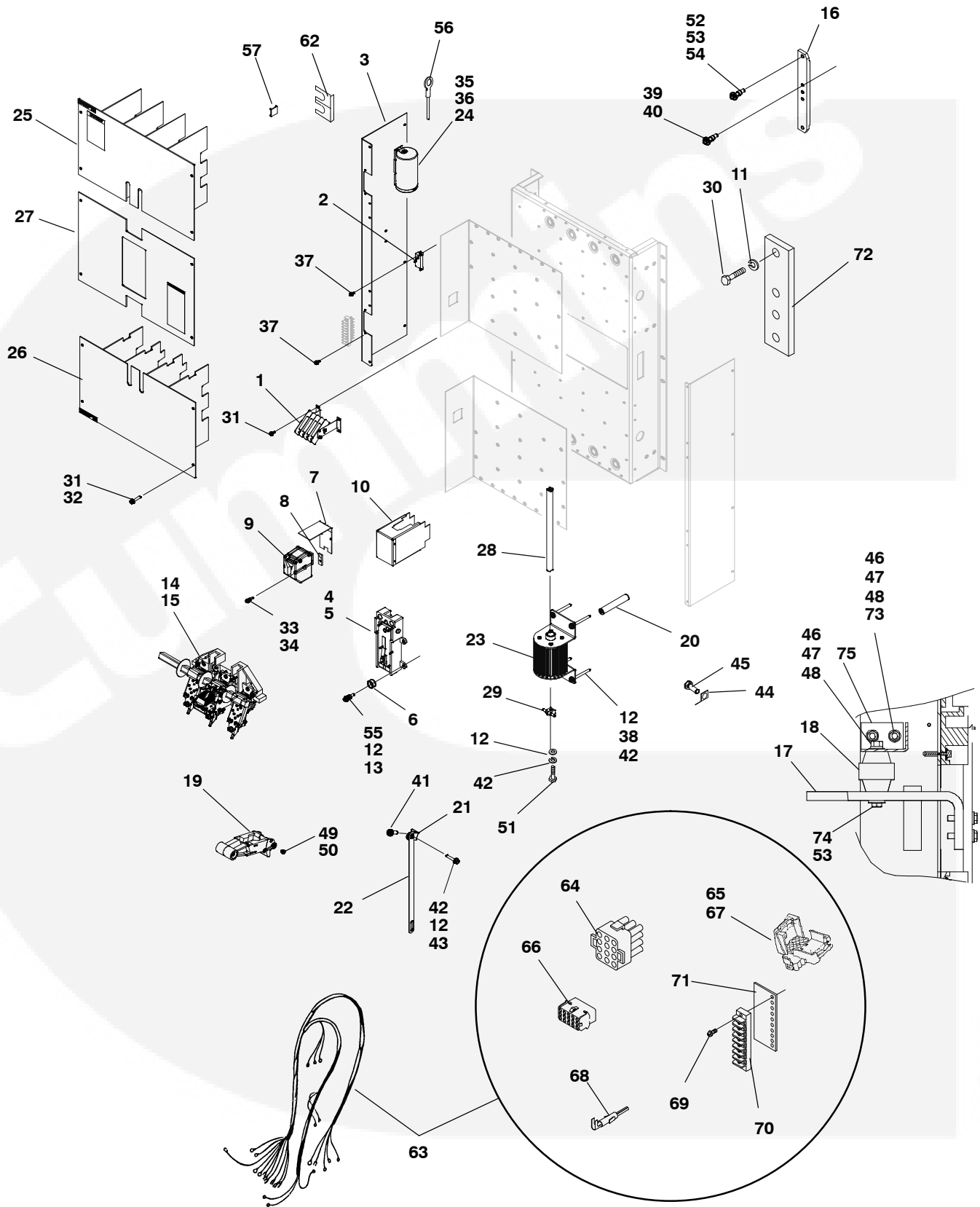


Transfer Switch **4-Pole Front Connect (800, 1000 Amp)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
42	800-0185	4	Screw, Cap – Hex Head (1/4-20 x 5.50)	58	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1.75)
43	851-0028	8	Washer, Spring (5/16)	59	166-0122	4	Spacer, Mounting Screw
44	800-0031	8	Screw, Cap – Hex Head (5/16-18 x 1.5)	60	226-3380	A/R	Lead
45	815-0446	4	Screw, Round Head – Cross Recessed – W/IT (#8-32 x .50)	61	332-2420	A/R	Mount, Cable Tie
46	850-0040	8	Washer, Lock – Split (1/4)	62	306-0603	1	Spacer, Line Strap (Not Shown)
47	800-0003	2	Screw, Cap – Hex Head (1/4-20 x .50)	63	306-0603-01	1	Spacer, Line Strap (Not Shown)
48	332-2834	8	Terminal, Tab	64	306-4162-01	1	Spacer, Line Strap (Not Shown)
49	815-0285	8	Screw, Machine – Round Head – W/ET (#8-32 x 5/16)	65	306-4162-02	1	Spacer, Line Strap (Not Shown)
50	526-0029	4	Washer, Flat (3/8)	66	332-2605	1	Jumper, Terminal
51	850-0050	4	Washer, Lock – Split (3/8)	67	338-4898	1	Harness, Switch (Includes the Parts Marked ^)
52	800-0050	4	Screw, Cap – Hex Head (3/8-16 x 1)	68	323-1314	1	^ Plug, Connector (12 Place)
53	850-0030	4	Washer, Lock – Split (#10)	69	323-1316	2	^ Relief, Strain (12 Place)
54	815-0485	4	Screw, Shoulder (#10-32)	70	323-1156	1	^ Plug, Connector (15 Place)
55	800-0007	2	Screw, Cap – Hex Head (1/4-20 x 1.00)	71	323-1158	2	^ Relief, Strain (15 Place)
56	306-1398	6	Bushing	72	323-1199	23	^ Pin, Contact
57	851-0022	8	Washer, Spring (3/8)	73	815-0937	4	^ Screw, Pan Head – Cross Recessed (#6-32 x 1/2)
				74	332-2832	2	^ Block, Terminal (8 Place)
				75	332-2903	2	^ Marker, Strip
				76	306-3449	2	Block, Jumper

^ Parts Included in 338-4898 Wiring Harness.

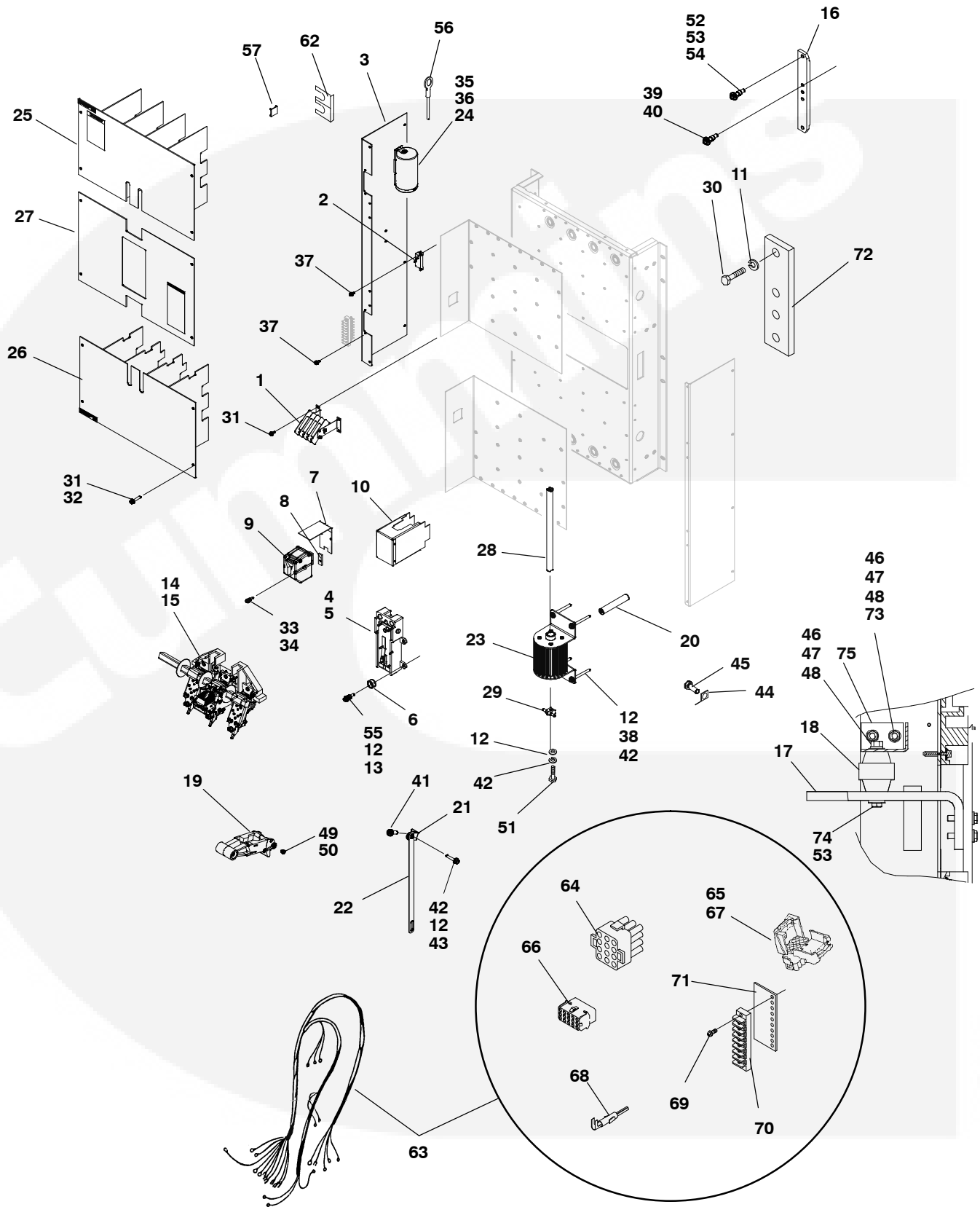
Transfer Switch **3-Pole Rear Connect (800, 1000 Amp)**



Transfer Switch **3-Pole Rear Connect (800, 1000 Amp)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-4751	2	Contact, Auxiliary	23			Actuator, Linear
2			Breaker, Circuit	306-3448-01	1		115 VAC
	320-1106	1	115 VAC	306-3448-02	1		190 VAC
	320-0612	1	190 VAC	306-3448-03	1		208 VAC
	320-0612	1	208 VAC	306-3448-04	1		220/240 VAC
	320-0612	1	220/240 VAC	306-3448-06	1		380/416 VAC
	320-0611	1	380/416 VAC	306-3448-07	1		440/480 VAC
	320-0611	1	440/480 VAC	24			Capacitor
3	306-3450	1	Bracket, Terminal	312-0234	2		190 VAC
4	306-5022-01	2	Block, Center Contact	312-0233	2		208 VAC
5	306-5022-02	4	Block, Outer Contact	312-0206-S0	2		220/240 VAC
6	306-3441	16	Cup, Insulator	312-0218-S0	2		380/416 VAC
7	306-0669	6	Barrier, Arc Chute	312-0206-S0	2		440/480 VAC
8	306-0668	12	Spacer, Arc Chute	25	306-4271	1	Cover, Labeled
9	306-4926	6	Chute, Arc	26	306-4265	1	Cover, Labeled
10	306-1038	6	Barrier, Arc Chute	27	306-4272	1	Cover, Labeled
11	851-0023	6	Washer, Lock - Split (1/2)	28	306-3452	1	Rod, Actuator
12	526-0018	44	Washer, Flat (1/4)	29	306-3400-02	2	Rod, End
13	815-0667	36	Screw, Hex Head - W/IT (1/4-20 x 1.25)	30	800-0091	6	Screw, Cap - Socket Head (1/2-13 x 1.25)
14	306-4980-01	1	Crossbar, Normal	31	815-0652	29	Screw, Slotted - Hex Head (#10-32 x .50)
15	306-4980-02	1	Crossbar, Emergency	32	526-0008	12	Washer, Flat (#10)
16	337-2335	3	Strap, Jumper	33	526-0003	12	Washer, Flat (#8)
17	337-2398	3	Strap, Load	34	850-0025	12	Washer, Lock - Split (#8)
18	332-2744-07	3	Standoff, Insulator	35	815-0029	4	Screw, Maschine - Flat Head - Cross Recessed (#10-32 x .50)
19	306-0819	2	Handle, Actuator (See Separate Page For Components)	36	870-0131	4	Nut, Hex - W/ET (#10-32)
20	306-2276	4	Spacer, Actuator Mounting	37	815-0651	6	Screw, Pan Head - Cross Recessed - W/ET (#6-32 x .75)
21	306-0508	2	Arm, Interlock				
22	306-3451	1	Bar, Interlock				

Transfer Switch **3-Pole Rear Connect (800, 1000 Amp)**

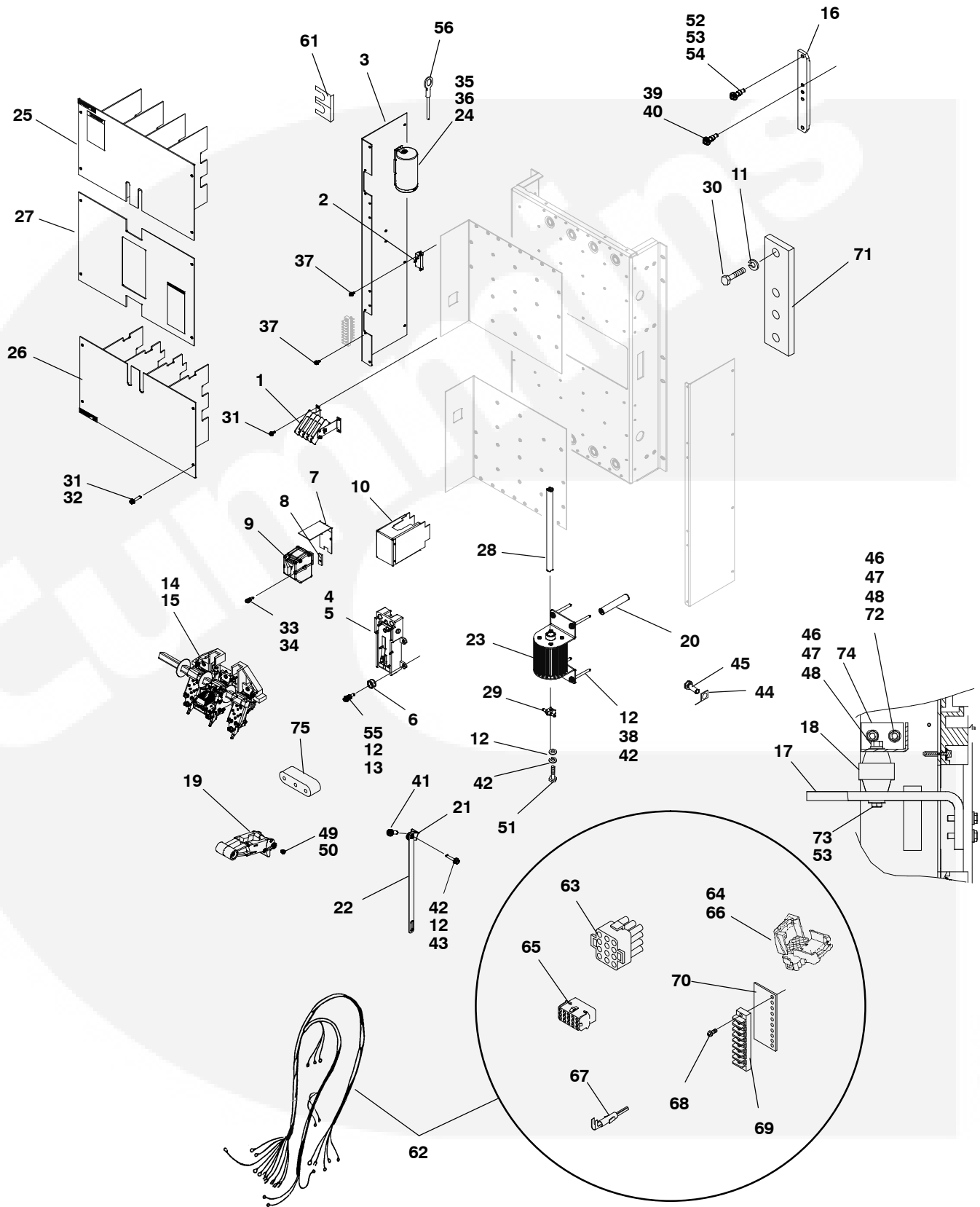


Transfer Switch 3-Pole Rear Connect (800, 1000 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
38	800-0185	4	Screw, Cap – Hex Head (1/4-20 x 5.50)	55	166-0122	4	Spacer, Mounting Screw
39	851-0028	6	Washer, Spring (5/16)	56	226-3380	A/R	Lead
40	800-0031	6	Screw, Cap – Hex Head (5/16-18 x 1.5)	57	332-2420	A/R	Mount, Cable Tie
41	815-0446	4	Screw, Round Head – Cross Recessed – W/IT (#8-32 x .50)	58	306-0603	1	Spacer, Line Strap (Not Shown)
42	850-0040	8	Washer, Lock – Split (1/4)	59	306-0603-01	1	Spacer, Line Strap (Not Shown)
43	800-0003	2	Screw, Cap – Hex Head (1/4-20 x .50)	60	306-4162-01	1	Spacer, Line Strap (Not Shown)
44	332-2834	6	Terminal, Tab	61	306-4162-02	1	Spacer, Line Strap (Not Shown)
45	815-0285	6	Screw, Machine – Round Head – W/ET (#8-32 x 5/16)	62	332-2605	1	Jumper, Terminal
46	526-0029	7	Washer, Flat (3/8)	63	338-4898	1	Harness, Switch (Includes the Parts Marked ^)
47	850-0050	7	Washer, Lock – Split (3/8)	64	323-1314	1	^ Plug, Connector (12 Place)
48	800-0048	7	Screw, Cap – Hex Head (3/8-16 x .75)	65	323-1316	2	^ Relief, Strain (12 Place)
49	850-0030	4	Washer, Lock – Split (#10)	66	323-1156	1	^ Plug, Connector (15 Place)
50	815-0485	4	Screw, Shoulder (#10-32)	67	323-1158	2	^ Relief, Strain (15 Place)
51	800-0007	2	Screw, Cap – Hex Head (1/4-20 x 1.00)	68	323-1199	23	^ Pin, Contact
52	306-1398	6	Bushing	69	815-0937	4	^ Screw, Pan Head – Cross Recessed (#6-32 x 1/2)
53	851-0022	9	Washer, Spring (3/8)	70	332-2832	2	^ Block, Terminal (8 Place)
54	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1.75)	71	332-2903	2	^ Marker, Strip
				72	337-2397	6	Strap, Normal & Emergency
				73	862-0003	4	Nut, Hex (3/8-16)
				74	800-0051	3	Screw, Cap (3/8-16 x 1.12)
				75	306-3502	1	Bracket, Support

^ Parts Included in 338-4898 Wiring Harness.

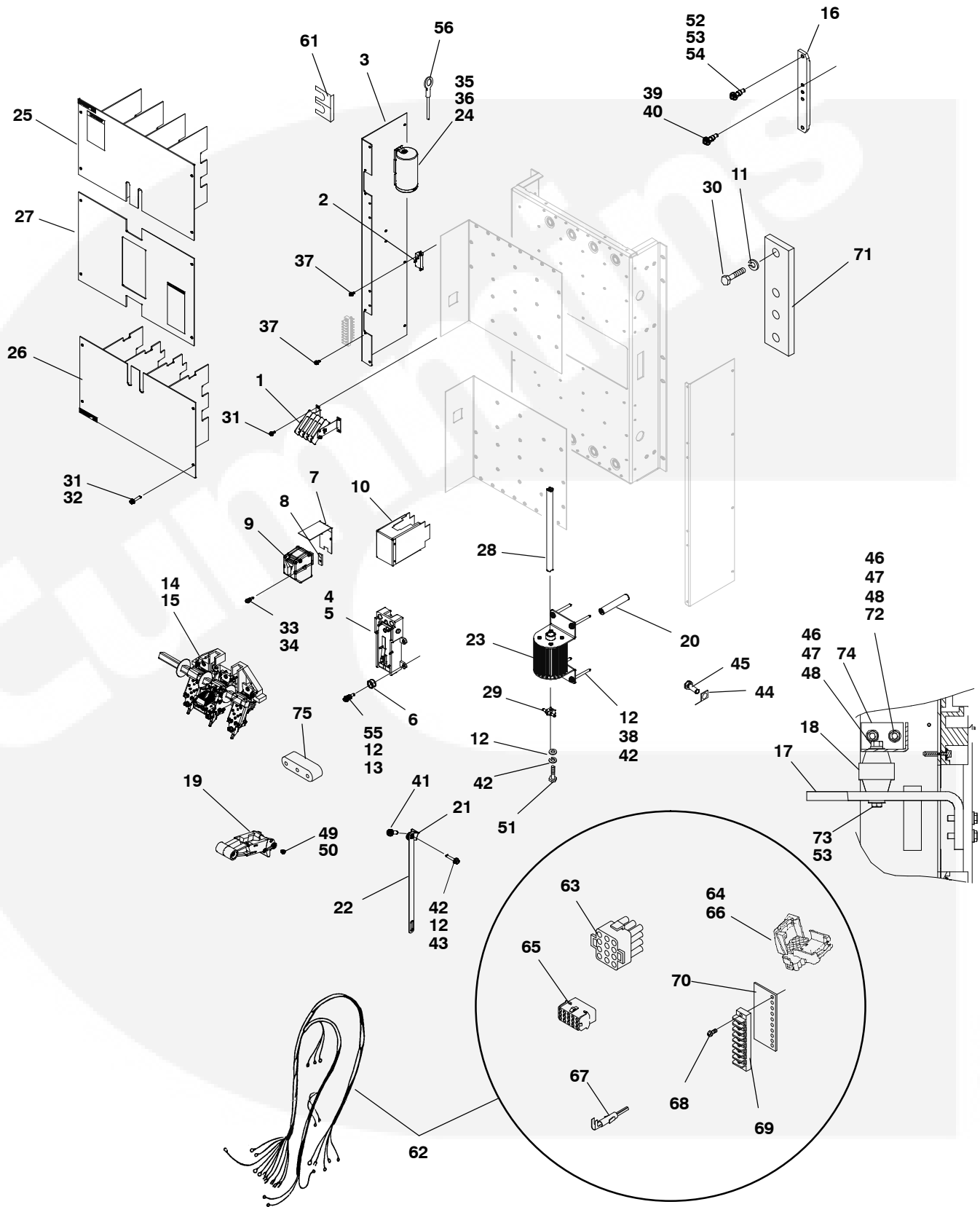
Transfer Switch **4-Pole Rear Connect (800, 1000 Amp)**



Transfer Switch **4-Pole Rear Connect (800, 1000 Amp)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-4751	2	Contact, Auxiliary	23			Actuator, Linear
2			Breaker, Circuit		306-3448-01	1	115 VAC
	320-1106	1	115 VAC		306-3448-02	1	190 VAC
	320-0612	1	190 VAC		306-3448-03	1	208 VAC
	320-0612	1	208 VAC		306-3448-04	1	220/240 VAC
	320-0612	1	220/240 VAC		306-3448-06	1	380/416 VAC
	320-0611	1	380/416 VAC		306-3448-07	1	440/480 VAC
	320-0611	1	440/480 VAC	24			Capacitor
3	306-3450	1	Bracket, Terminal		312-0234	2	190 VAC
4	306-5022-01	2	Block, Center Contact		312-0233	2	208 VAC
5	306-5022-02	6	Block, Outer Contact		312-0206-S0	2	220/240 VAC
6	306-3441	20	Cup, Insulator		312-0218-S0	2	380/416 VAC
7	306-0669	8	Barrier, Arc Chute		312-0206-S0	2	440/480 VAC
8	306-0668	16	Spacer, Arc Chute	25	306-4271	1	Cover, Labeled
9	306-4926	8	Chute, Arc	26	306-4265	1	Cover, Labeled
10	306-1038	8	Barrier, Arc Chute	27	306-4272	1	Cover, Labeled
11	851-0023	8	Washer, Lock - Split (1/2)	28	306-3452	1	Rod, Actuator
12	526-0018	56	Washer, Flat (1/4)	29	306-3400-02	2	Rod, End
13	815-0667	48	Screw, Hex Head - W/IT (1/4-20 x 1.25)	30	800-0091	8	Screw, Cap - Socket Head (1/2-13 x 1.25)
14	306-4982-01	1	Crossbar, Normal	31	815-0652	29	Screw, Slotted - Hex Head (#10-32 x .50)
15	306-4982-02	1	Crossbar, Emergency	32	526-0008	12	Washer, Flat (#10)
16	337-2335	4	Strap, Jumper	33	526-0003	16	Washer, Flat (#8)
17	337-2398	4	Strap, Load	34	850-0025	16	Washer, Lock - Split (#8)
18	332-2744-07	4	Standoff, Insulator	35	815-0029	4	Screw, Maschine - Flat Head - Cross Recessed (#10-32 x .50)
19	306-0819	2	Handle, Actuator (See Separate Page For Components)	36	870-0131	4	Nut, Hex - W/ET (#10-32)
20	306-2276	4	Spacer, Actuator Mounting	37	815-0651	6	Screw, Pan Head - Cross Recessed - W/ET (#6-32 x .75)
21	306-0508	2	Arm, Interlock				
22	306-3451	1	Bar, Interlock				

Transfer Switch **4-Pole Rear Connect (800, 1000 Amp)**

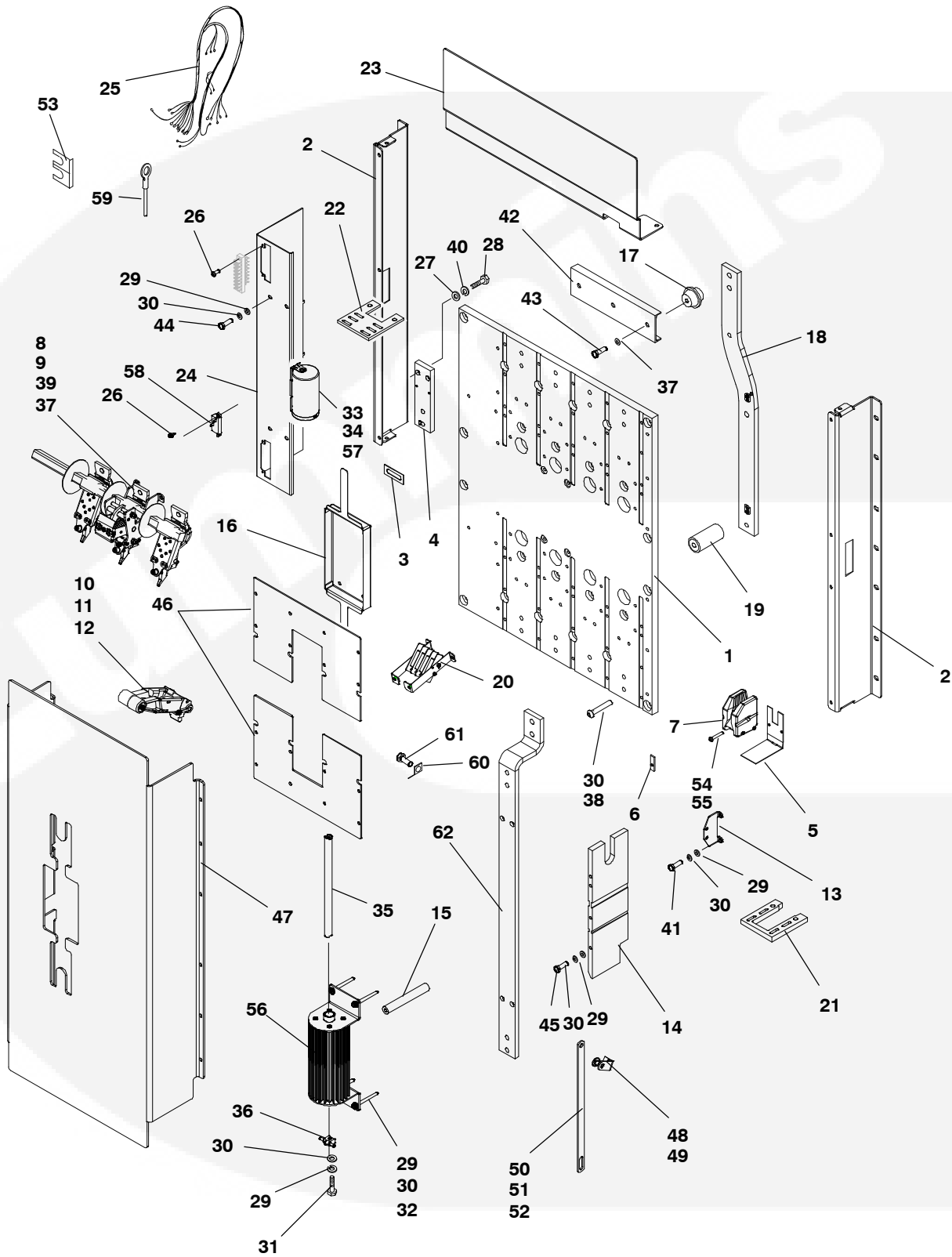


Transfer Switch **4-Pole Rear Connect (800,1000 Amp)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
38	800-0185	4	Screw, Cap – Hex Head (1/4-20 x 5.50)	55	166-0122	4	Spacer, Mounting Screw
39	851-0028	8	Washer, Spring (5/16)	56	226-3380	A/R	Lead
40	800-0031	8	Screw, Cap – Hex Head (5/16-18 x 1.5)	57	306-0603	1	Spacer, Line Strap (Not Shown)
41	815-0446	4	Screw, Round Head – Cross Recessed – W/IT (#8-32 x .50)	58	306-0603-01	1	Spacer, Line Strap (Not Shown)
42	850-0040	8	Washer, Lock – Split (1/4)	59	306-4162-01	1	Spacer, Line Strap (Not Shown)
43	800-0003	2	Screw, Cap – Hex Head (1/4-20 x .50)	60	306-4162-02	1	Spacer, Line Strap (Not Shown)
44	332-2834	8	Terminal, Tab	61	332-2605	1	Jumper, Terminal
45	815-0285	8	Screw, Machine – Round Head – W/ET (#8-32 x 5/16)	62	338-4898	1	Harness, Switch (Includes the Parts Marked ^)
46	526-0029	8	Washer, Flat (3/8)	63	323-1314	1	^ Plug, Connector (12 Place)
47	850-0050	8	Washer, Lock – Split (3/8)	64	323-1316	2	^ Relief, Strain (12 Place)
48	800-0048	8	Screw, Cap – Hex Head (3/8-16 x .75)	65	323-1156	1	^ Plug, Connector (15 Place)
49	850-0030	4	Washer, Lock – Split (#10)	66	323-1158	2	^ Relief, Strain (15 Place)
50	815-0485	4	Screw, Shoulder (#10-32)	67	323-1199	23	^ Pin, Contact
51	800-0007	2	Screw, Cap – Hex Head (1/4-20 x 1.00)	68	815-0937	4	^ Screw, Pan Head – Cross Recessed (#6-32 x 1/2)
52	306-1398	6	Bushing	69	332-2832	2	^ Block, Terminal (8 Place)
53	851-0022	12	Washer, Spring (3/8)	70	332-2903	2	^ Marker, Strip
54	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1.75)	71	337-2397	8	Strap, Normal & Emergency
				72	862-0003	4	Nut, Hex (3/8-16)
				73	800-0051	6	Screw, Cap (3/8-16 x 1.12)
				74	306-3502	1	Bracket, Support
				75	306-3449	2	Block, Jumper – Mounting

^ Parts Included in 338-4898 Wiring Harness.

Transfer Switch **3-Pole Front Connect (1200 Amp)**

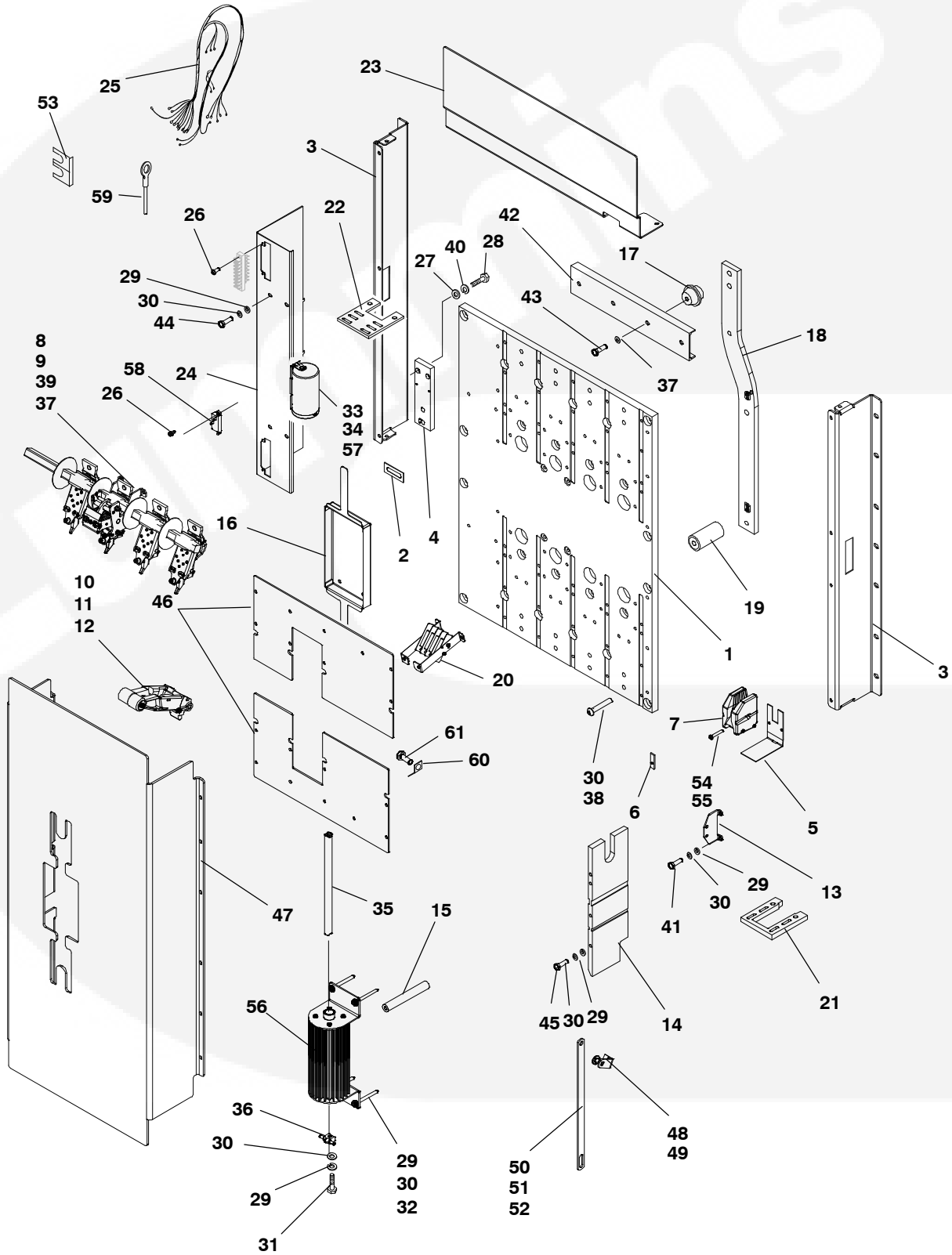


Transfer Switch

3-Pole Front Connect (1200 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A029Z386	1	Base, Mounting	41	A030B636	32	Screw
2	A030A636	2	Bracket, Mounting	42	A030D536	3	Busbar, Support
3	A030J563	24	Shim	43	800-0051	9	Screw, Hex Head
4	A028V884	6	Busbar, Stationary	44	800-0004	6	Screw, Hex Head
5	A029W217	6	Barrier, Arc Chute	45	A030B642	32	Screw
6	306-0668	12	Spacer	46	A030F481	2	Barrier, Transfer Switch
7	306-4926	6	Chute, Arc	47	A029Z408	1	Cover, Protective
8	A029R252	1	Block	48	306-0508	2	Arm, Interlock
9	A029R250	1	Block	49	815-0446	4	Screw, Round Head
10	306-0819	2	Handle (See Separate Page For Components)	50	306-3451	1	Bar, Interlock
11	850-0030	4	Washer, Lock	51	850-0040	2	Washer, Lock
12	815-0485	4	Screw, Shoulder	52	800-0003	2	Screw, Hex Head
13	A029V986	4	Bracket, Support	53	332-2605	1	Jumper, Terminal
14	A029Z388	8	Barrier, Transfer Switch	54	526-0003	12	Washer, Flat
15	A028V946	4	Spacer	55	812-1154	12	Screw, Round Head
16	A029W215	1	Barrier, Transfer Switch	56	A030A003	1	Actuator, Linear
17	332-2744-02	9	Standoff, Insulator		A030A005	1	115 VAC
18	A029Y811	3	Busbar		A030A007	1	190 VAC
19	A028V917	6	Busbar		A030A009	1	208 VAC
20	A029Y159	2	Switch, Auxiliary		A030A013	1	220/240 VAC
21	A029Z400	6	Barrier, Transfer Switch		A030A015	1	380/416 VAC
22	A029Z402	6	Barrier, Transfer Switch	57			440/480 VAC
23	A029Z410	1	Cover, Protective		312-0202	2	Capacitor
24	A029W244	1	Bracket, Mounting		312-0234	2	115 VAC
25	A030G452	1	Harness, Switch		312-0233	2	190 VAC
26	815-0651	6	Screw, Round Head		312-0206-S0	2	208 VAC
27	526-0029	9	Washer, Flat		312-0218-S0	2	220/240 VAC
28	800-0049	9	Screw, Hex Head		312-0206-S0	2	380/416 VAC
29	526-0108	84	Washer, Flat	58			440/480 VAC
30	A030F484	100	Washer, Lock		320-1106	1	Breaker, Circuit
31	800-0007	10	Screw, Hex Head		320-0612	1	115 VAC
32	A030F020	4	Screw, Hex Head		320-0612	1	190 VAC
33	815-0029	4	Screw, Flange Head		320-0612	1	208 VAC
34	870-0131	4	Nut, Hex		320-0611	1	220/240 VAC
35	306-3452	1	Rod, Actuator		320-0611	1	380/416 VAC
36	306-3400-02	2	End, Rod	59	226-3380	2	440/480 VAC
37	851-0022	15	Washer	60	332-2834	6	Lead
38	A030B638	16	Screw	61	815-0285	6	Terminal, Tab
39	800-0064	6	Screw, Hex Head	62	A030K586	1	Screw, Round Head
40	850-0103	9	Washer, Lock				Busbar, Neutral

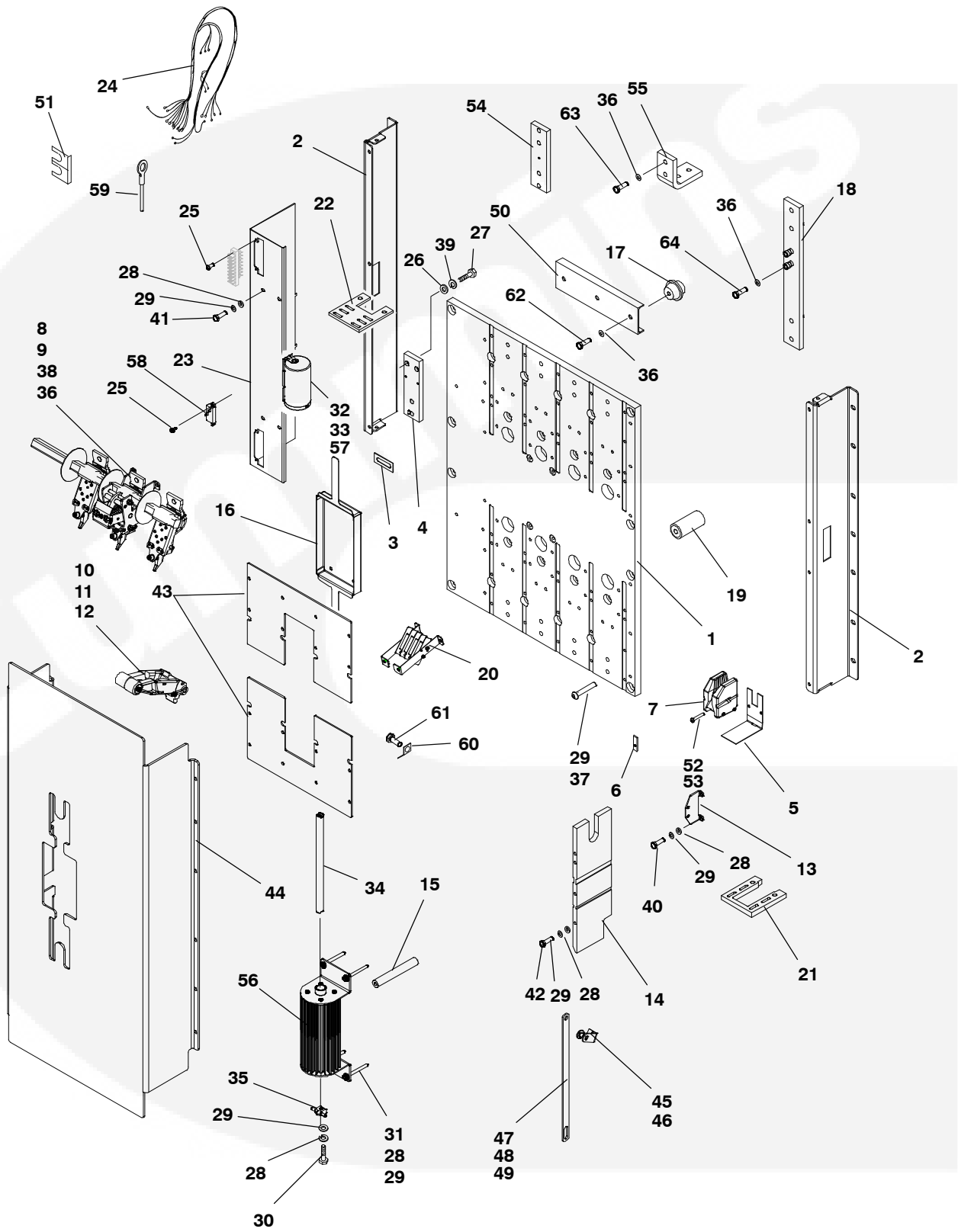
Transfer Switch **4-Pole Front Connect (1200 Amp)**



Transfer Switch 4-Pole Front Connect (1200 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A029Z386	1	Base, Mounting	39	800-0064	8	Screw, Hex Head
2	A030J563	32	Shim	40	850-0103	12	Washer, Lock
3	A030A636	2	Bracket, Mounting	41	A030B636	36	Screw
4	A028V884	8	Busbar, Stationary	42	A030D538	3	Busbar, Support
5	A029W217	8	Barrier, Arc Chute	43	800-0051	12	Screw, Hex Head
6	306-0668	16	Spacer	44	800-0004	6	Screw, Hex Head
7	306-4926	8	Chute, Arc	45	A030B642	40	Screw
8	A029S917	1	Block	46	A029Z396	2	Barrier, Transfer Switch
9	A029S914	1	Block	47	A029Z408	1	Cover, Protective
10	306-0819	2	Handle (See Separate Page For Components)	48	306-0508	2	Arm, Interlock
11	850-0030	4	Washer, Lock	49	815-0446	4	Screw, Round Head
12	815-0485	4	Screw, Shoulder	50	306-3451	1	Bar, Interlock
13	A029V986	6	Bracket, Support	51	850-0040	2	Washer, Lock
14	A029Z388	10	Barrier, Transfer Switch	52	800-0003	2	Screw, Hex Head
15	A028V946	4	Spacer	53	332-2605	1	Jumper, Terminal
16	A029W215	1	Barrier, Transfer Switch	54	526-0003	16	Washer, Flat
17	332-2744-02	12	Standoff, Insulator	55	812-1154	16	Screw, Round Head
18	A029Y811	4	Busbar	56			Actuator, Linear
19	A028V917	8	Busbar		A030A005	1	190 VAC
20	A029Y159	2	Switch, Auxiliary		A030A007	1	208 VAC
21	A029Z400	8	Barrier, Transfer Switch		A030A009	1	220/240 VAC
22	A029Z402	8	Barrier, Transfer Switch		A030A013	1	380/416 VAC
23	A029Z410	1	Cover, Protective		A030A015	1	440/480 VAC
24	A029W244	1	Bracket, Mounting	57			Capacitor
25	A030G452	1	Harness, Switch		312-0234	2	190 VAC
26	815-0651	6	Screw, Round Head		312-0233	2	208 VAC
27	526-0029	12	Washer, Flat		312-0206-S0	2	220/240 VAC
28	800-0049	12	Screw, Hex Head		312-0218-S0	2	380/416 VAC
29	526-0108	96	Washer, Flat		312-0206-S0	2	440/480 VAC
30	A030F484	112	Washer, Lock	58			Breaker, Circuit
31	800-0007	10	Screw, Hex Head		320-0612	1	190 VAC
32	A030F020	4	Screw, Hex Head		320-0612	1	208 VAC
33	815-0029	4	Screw, Flange Head		320-0612	1	220/240 VAC
34	870-0131	4	Nut, Hex		320-0611	1	380/416 VAC
35	306-3452	1	Rod, Actuator		320-0611	1	440/480 VAC
36	306-3400-02	2	End, Rod	59	226-3380	2	Lead
37	851-0022	18	Washer	60	332-2834	8	Terminal, Tab
38	A030B638	16	Screw	61	815-0285	8	Screw, Round Head

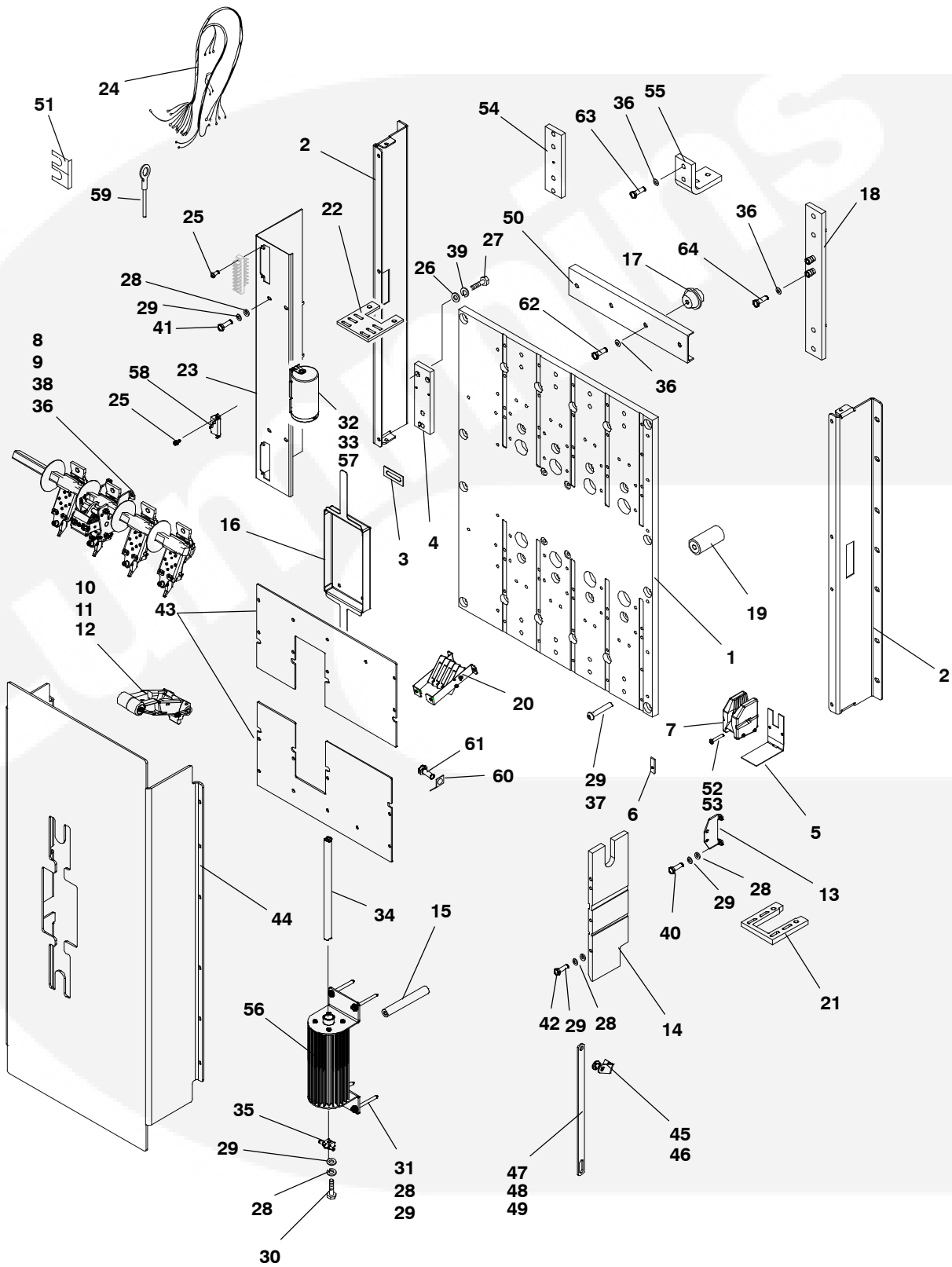
Transfer Switch **3-Pole Rear Connect (1200 Amp)**



Transfer Switch 3-Pole Rear Connect (1200 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A029Z386	1	Base, Mounting	42	A030B642	32	Screw
2	A030A636	2	Bracket, Mounting	43	A030F481	2	Barrier, Transfer Switch
3	A030J563	24	Shim	44	A029Z408	1	Cover, Protective
4	A028V884	6	Busbar, Stationary	45	306-0508	2	Arm, Interlock
5	A029W217	6	Barrier, Arc Chute	46	815-0446	4	Screw, Round Head
6	306-0668	12	Spacer	47	306-3451	1	Bar, Interlock
7	306-4926	6	Chute, Arc	48	850-0040	2	Washer, Lock
8	A029R252	1	Block	49	800-0003	2	Screw, Hex Head
9	A029R250	1	Block	50	A030D536	2	Busbar, Support
10	306-0819	2	Handle (See Separate Page For Components)	51	332-2605	1	Jumper, Terminal
11	850-0030	4	Washer, Lock	52	526-0003	12	Washer, Flat
12	815-0485	4	Screw, Shoulder	53	812-1154	12	Screw, Round Head
13	A029V986	4	Bracket, Support	54	A030C930	6	Busbar
14	A029Z388	8	Barrier, Transfer Switch	55	A030C928	3	Busbar
15	A028V946	4	Spacer	56	A030A003	1	Actuator, Linear 115 VAC
16	A029W215	1	Barrier, Transfer Switch		A030A005	1	190 VAC
17	332-2744-02	6	Standoff, Insulator		A030A007	1	208 VAC
18	A030D588	3	Busbar		A030A009	1	220/240 VAC
19	A028V917	6	Busbar		A030A013	1	380/416 VAC
20	A029Y159	2	Switch, Auxiliary		A030A015	1	440/480 VAC
21	A029Z400	6	Barrier, Transfer Switch	57			Capacitor
22	A029Z402	6	Barrier, Transfer Switch		312-0202	2	115 VAC
23	A029W244	1	Bracket, Mounting		312-0234	2	190 VAC
24	A030G452	1	Harness, Switch		312-0233	2	208 VAC
25	815-0651	6	Screw, Round Head		312-0206-S0	2	220/240 VAC
26	526-0029	6	Washer, Flat		312-0218-S0	2	380/416 VAC
27	800-0049	6	Screw, Hex Head		312-0206-S0	2	440/480 VAC
28	526-0108	82	Washer, Flat	58			Breaker, Circuit
29	A030F484	94	Washer, Lock		320-1106	1	115 VAC
30	800-0007	10	Screw, Hex Head		320-0612	1	190 VAC
31	A030F020	4	Screw, Hex Head		320-0612	1	208 VAC
32	815-0029	4	Screw, Flange Head		320-0612	1	220/240 VAC
33	870-0131	4	Nut, Hex		320-0611	1	380/416 VAC
34	306-3452	1	Rod, Actuator		320-0611	1	440/480 VAC
35	306-3400-02	2	End, Rod	59	226-3380	2	Lead
36	851-0022	30	Washer	60	332-2834	6	Terminal, Tab
37	A030B638	12	Screw	61	815-0285	6	Screw, Round Head
38	800-0064	6	Screw, Hex Head	62	800-0051	6	Screw, Hex Head
39	850-0103	6	Washer, Lock	63	800-0052	6	Screw, Hex Head
40	A030B636	32	Screw	64	800-0056	12	Screw, Hex Head
41	800-0004	4	Screw, Hex Head				

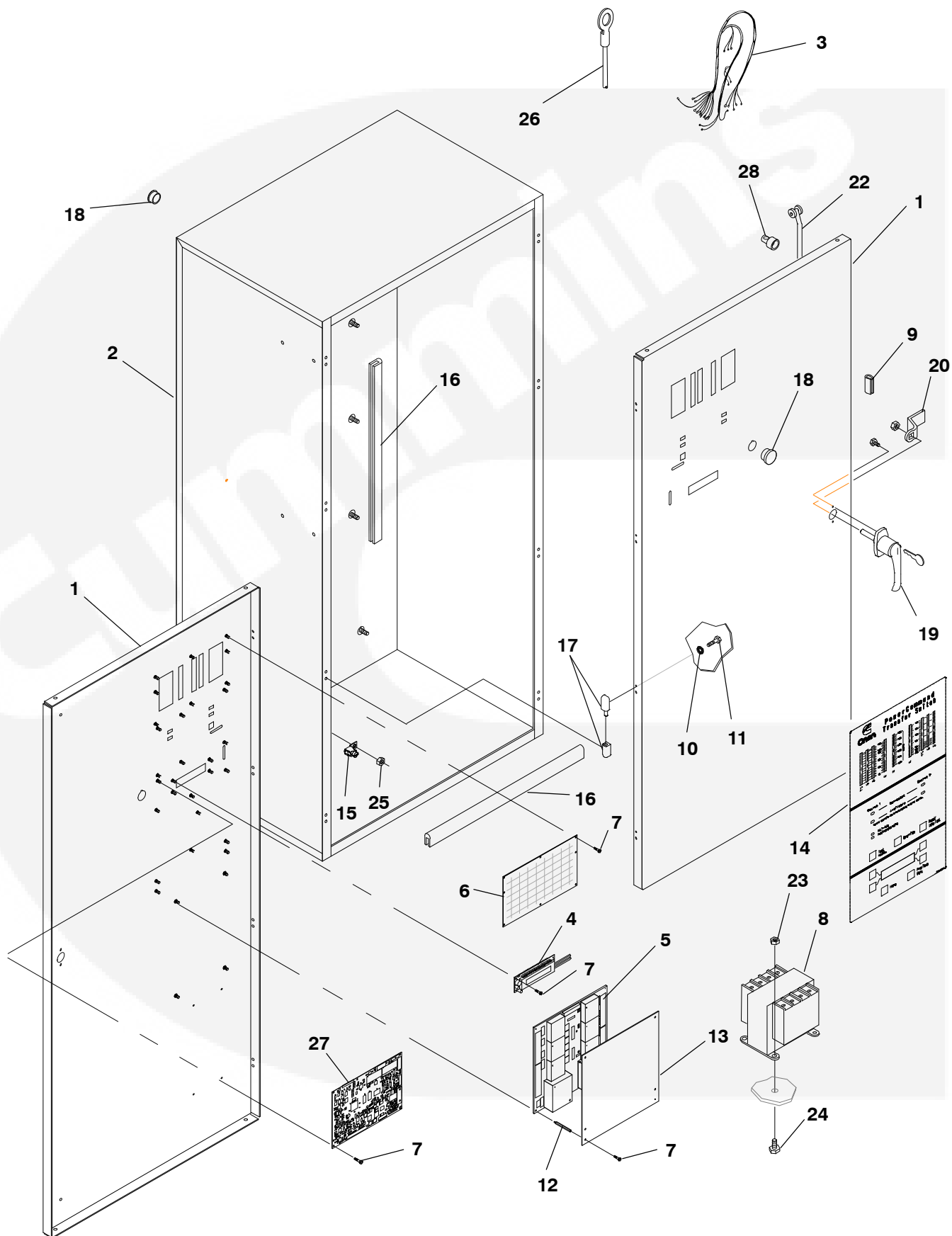
Transfer Switch **4-Pole Rear Connect (1200 Amp)**



Transfer Switch 4-Pole Rear Connect (1200 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A029Z386	1	Base, Mounting	40	A030B636	36	Screw
2	A030A636	2	Bracket, Mounting	41	800-0004	4	Screw, Hex Head
3	A030J563	32	Shim	42	A030B642	40	Screw
4	A028V884	8	Busbar, Stationary	43	A029Z396	2	Barrier, Transfer Switch
5	A029W217	8	Barrier, Arc Chute	44	A029Z408	1	Cover, Protective
6	306-0668	16	Spacer	45	306-0508	2	Arm, Interlock
7	306-4926	8	Chute, Arc	46	815-0446	4	Screw, Round Head
8	A029S917	1	Block	47	306-3451	1	Bar, Interlock
9	A029S914	1	Block	48	850-0040	2	Washer, Lock
10	306-0819	2	Handle (See Separate Page For Components)	49	800-0003	2	Screw, Hex Head
11	850-0030	4	Washer, Lock	50	A030D538	2	Busbar, Support
12	815-0485	4	Screw, Shoulder	51	332-2605	1	Jumper, Terminal
13	A029V986	6	Bracket, Support	52	526-0003	16	Washer, Flat
14	A029Z388	10	Barrier, Transfer Switch	53	812-1154	16	Screw, Round Head
15	A028V946	4	Spacer	54	A030C928	4	Busbar
16	A029W215	1	Barrier, Transfer Switch	55	A030C930	8	Busbar
17	332-2744-02	8	Standoff, Insulator	56			Actuator, Linear
18	A030D588	4	Busbar		A030A005	1	190 VAC
19	A028V917	8	Busbar		A030A007	1	208 VAC
20	A029Y159	2	Switch, Auxiliary		A030A009	1	220/240 VAC
21	A029Z400	8	Barrier, Transfer Switch		A030A013	1	380/416 VAC
22	A029Z402	8	Barrier, Transfer Switch		A030A015	1	440/480 VAC
23	A029W244	1	Bracket, Mounting	57			Capacitor
24	A030G452	1	Harness, Switch		312-0234	2	190 VAC
25	815-0651	6	Screw, Round Head		312-0233	2	208 VAC
26	526-0029	12	Washer, Flat		312-0206-S0	2	220/240 VAC
27	800-0049	12	Screw, Hex Head		312-0218-S0	2	380/416 VAC
28	526-0108	94	Washer, Flat		312-0206-S0	2	440/480 VAC
29	A030F484	110	Washer, Lock	58			Breaker, Circuit
30	800-0007	10	Screw, Hex Head		320-0612	1	190 VAC
31	A030F020	4	Screw, Hex Head		320-0612	1	208 VAC
32	815-0029	4	Screw, Flange Head		320-0612	1	220/240 VAC
33	870-0131	4	Nut, Hex		320-0611	1	380/416 VAC
34	306-3452	1	Rod, Actuator		320-0611	1	440/480 VAC
35	306-3400-02	2	End, Rod	59	226-3380	2	Lead
36	851-0022	40	Washer	60	332-2834	8	Terminal, Tab
37	A030B638	16	Screw	61	815-0285	8	Screw, Round Head
38	800-0064	8	Screw, Hex Head	62	800-0051	8	Screw, Hex Head
39	850-0103	12	Washer, Lock	63	800-0052	8	Screw, Hex Head
				64	800-0056	16	Screw, Hex Head

Cabinet Type 1 (800–1000 Amp)

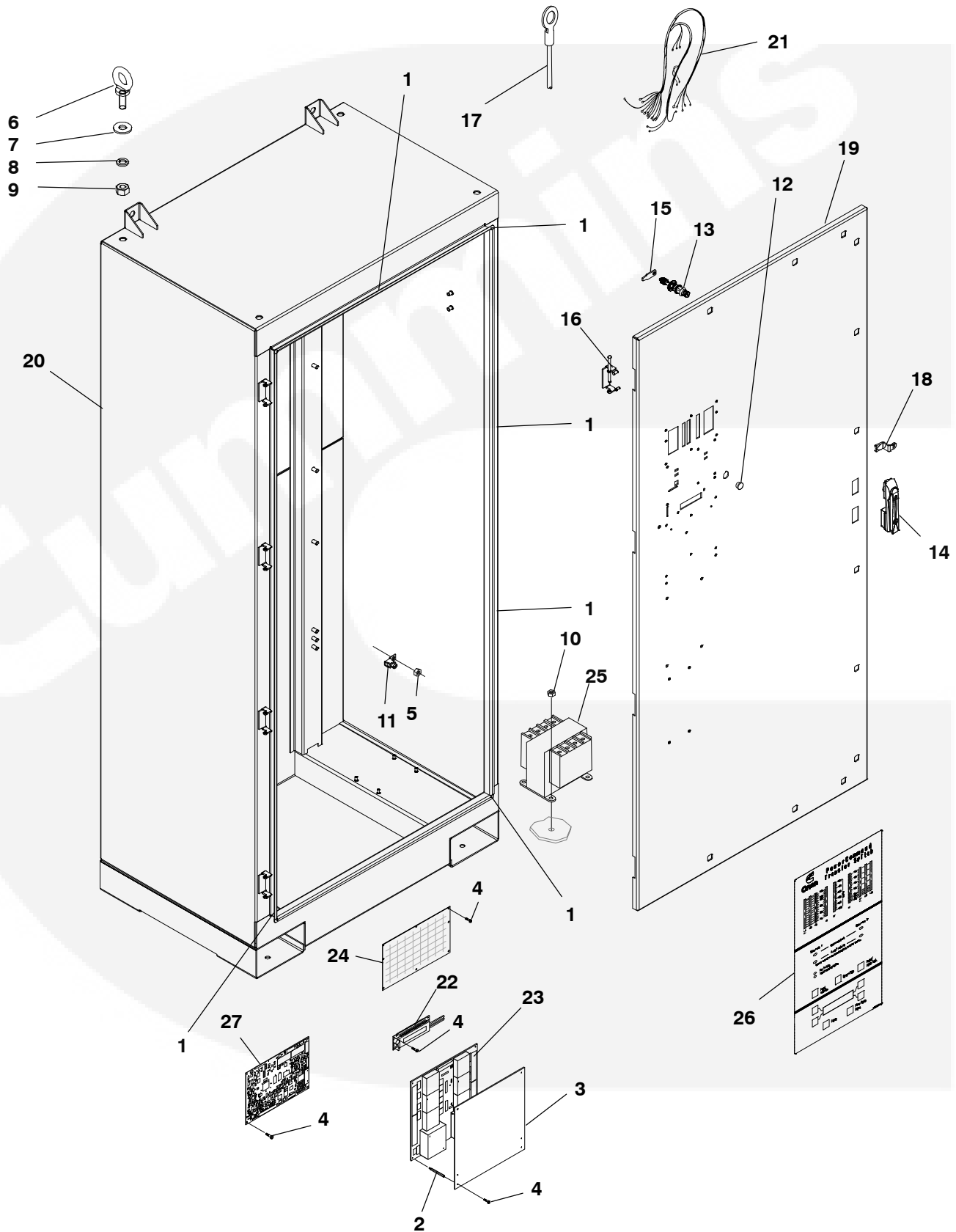


Cabinet Type 1 (800–1000 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-6438-02	1	Door, Cabinet	10	853-2005	8	Washer, Lock – W/ET (M5)
2	319-6439-02	1	Cabinet	11	800-2000	8	Screw, Cap – Hex Head (M5 x 8)
	A040C690	1	Relay, Control (Not shown)				
3			Harness, Main	12	870-2216	4	Standoff, Male Snap
			Level 1 Control	13	306-4523	1	Cover, Printed Circuit Board
	338-3856-01	1	All Except 600 VAC	14			Membrane, Panel
	338-3856-02	1	600 VAC				Level 1 Control
			Level 2 Control		300-5391	1	Without Digital Display
	338-3857-01	1	All Except 600 VAC		300-5392	1	With Digital Display
	338-3857-02	1	600 VAC				Level 2 Control
			Generator to Generator Applications		300-5392	1	Without Meters–Bar Graph Display
	338-3857-03	1	All Except 600 VAC		300-5393	1	With Meters–Bar Graph Display
	338-3857-04	1	600 VAC				
4	300-5151	1	Module, Digital Display	15	332-3653	1	Lug, Solderless (3/8")
5			Board, Printed Circuit – Power Module	16	508-1045	3	Edge, Protection
			Level 1 Control	17	406-0810	4	Block, Hinge
			120 VAC	18	517-0135	4	Plug, Hole
	300-5148-01	1	208/220/240/440/480 VAC	19	406-0809	1	Handle, Locking (Includes Hardware and 2 Keys)
	300-5148-02	1	600 VAC	20	406-0934	1	Latch, Cam (3 Point)
	300-5148-03	1	190/380/416 VAC	21	517-0137	1	Plug, Hole
	300-5148-04	1	Level 2 Control	22	306-5219-02	2	Rod, Roller
			120 VAC	23	870-0212	4	Nut, Self-Locking (1/4–20)
	300-5149-05	1	208/220/240/440/480 VAC	24	800-0003	4	Screw, Cap – Hex Head (1/4–20 x .50)
	300-5149-06	1	600 VAC				Nut, Lock (3/8–16)
	300-5149-07	1	190/380/416 VAC	25	870-0281	1	Lead (Quantity Used as Required)
	300-5149-08	1		26			
6	300-5180	1	Board, Printed Circuit – Bar Graph		226-3554-01	1	6.0"
					226-3554-02	1	3.0"
7	815-0959-03	26	Screw, Pan Head (M3 x 8)	27		1	Board, Printed Circuit – Digital
8	315-0661	1	Transformer, Power (600 VAC Only)		300-5146	1	Level 1 Control
					300-5147-01	1	Level 2 Control
9	508-1114	4	Edge, Protection	28	306-3467	2	Guide, Rod



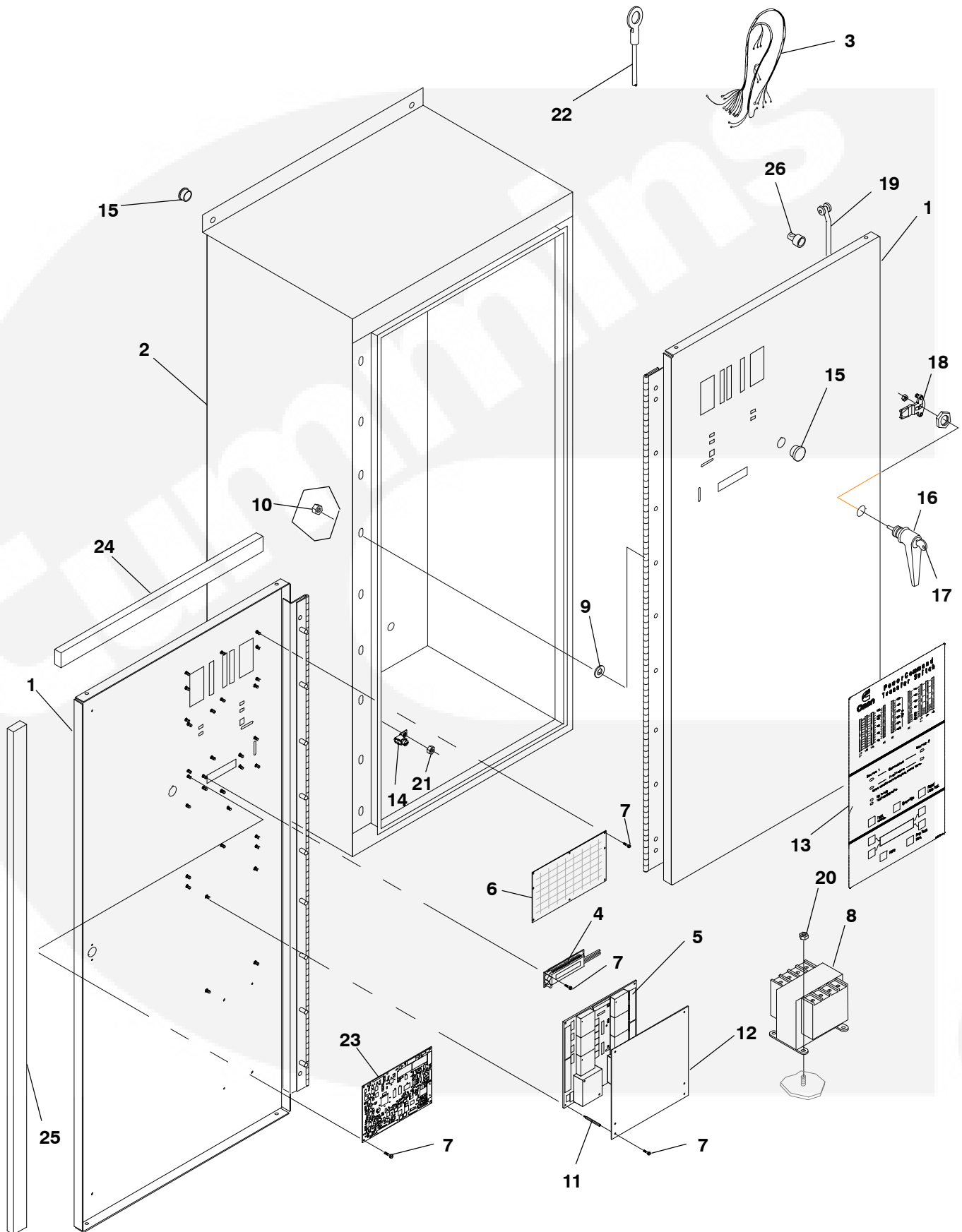
Cabinet Type 1 (1200 Amp)



Cabinet Type 1 (1200 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	508-0231	6	Bumper	22	300-5151	1	Module, Digital Display
2	870-2216	4	Standoff, Male Snap	23			Board, Printed Circuit – Power Module
3	306-4523	1	Cover, Printed Circuit Board				Level 1 Control
4	815-0959-02	23	Screw, Pan Head				120 VAC
5	870-0281	9	Nut, Lock (3/8-16)		300-5148-01	1	208/220/240/440/480 VAC
6	403-2121	4	Bolt, Eye		300-5148-02	1	600 VAC
7	526-0238	4	Washer, Flat		300-5148-03	1	190/380/416 VAC
8	850-0079	4	Washer, Lock		300-5148-04	1	Level 2 Control
9	862-0008	4	Nut, Hex				120 VAC
10	870-0212	4	Nut, Self-Locking (1/4-20)		300-5149-05	1	208/220/240/440/480 VAC
11	332-3653	3	Lug, Solderless (3/8")		300-5149-06	1	600 VAC
12	517-0266	1	Plug, Hole				190/380/416 VAC
13	A029Y142	12	Latch, Mechanical		300-5149-07	1	Level 2 Control
14	A029Y139	1	Handle, Door		300-5149-08	1	120 VAC
15	A030E419	12	Latch, Cam				208/220/240/440/480 VAC
16	301-4984	4	Pin, Hinge	24	300-5180	1	600 VAC
17			Lead (Quantity Used as Required)	25	315-0661	1	190/380/416 VAC
	226-4916-01	1	12.0"				Board, Printed Circuit – Bar Graph
	226-4798	1	16.0"	26			Transformer, Power (600 VAC Only)
18	A030J464	1	Latch, Cam				Membrane, Panel
19	A029Y531	1	Door, Cabinet		300-5391	1	Level 1 Control
20	A030G979	1	Cabinet		300-5392	1	Without Digital Display
	A040C690	1	Relay, Control (Not shown)				With Digital Display
21			Harness, Main		300-5392	1	Level 2 Control
			Level 1 Control				Without Meters–Bar Graph Display
	338-3856-01	1	All Except 600 VAC		300-5393	1	With Meters–Bar Graph Display
	338-3856-02	1	600 VAC				Board, Printed Circuit – Digital
			Level 2 Control	27		1	Level 1 Control
	338-3857-01	1	All Except 600 VAC		300-5146	1	Level 2 Control
	338-3857-02	1	600 VAC		300-5147-01	1	
			Generator to Generator Applications				
	338-3857-03	1	All Except 600 VAC				
	338-3857-04	1	600 VAC				

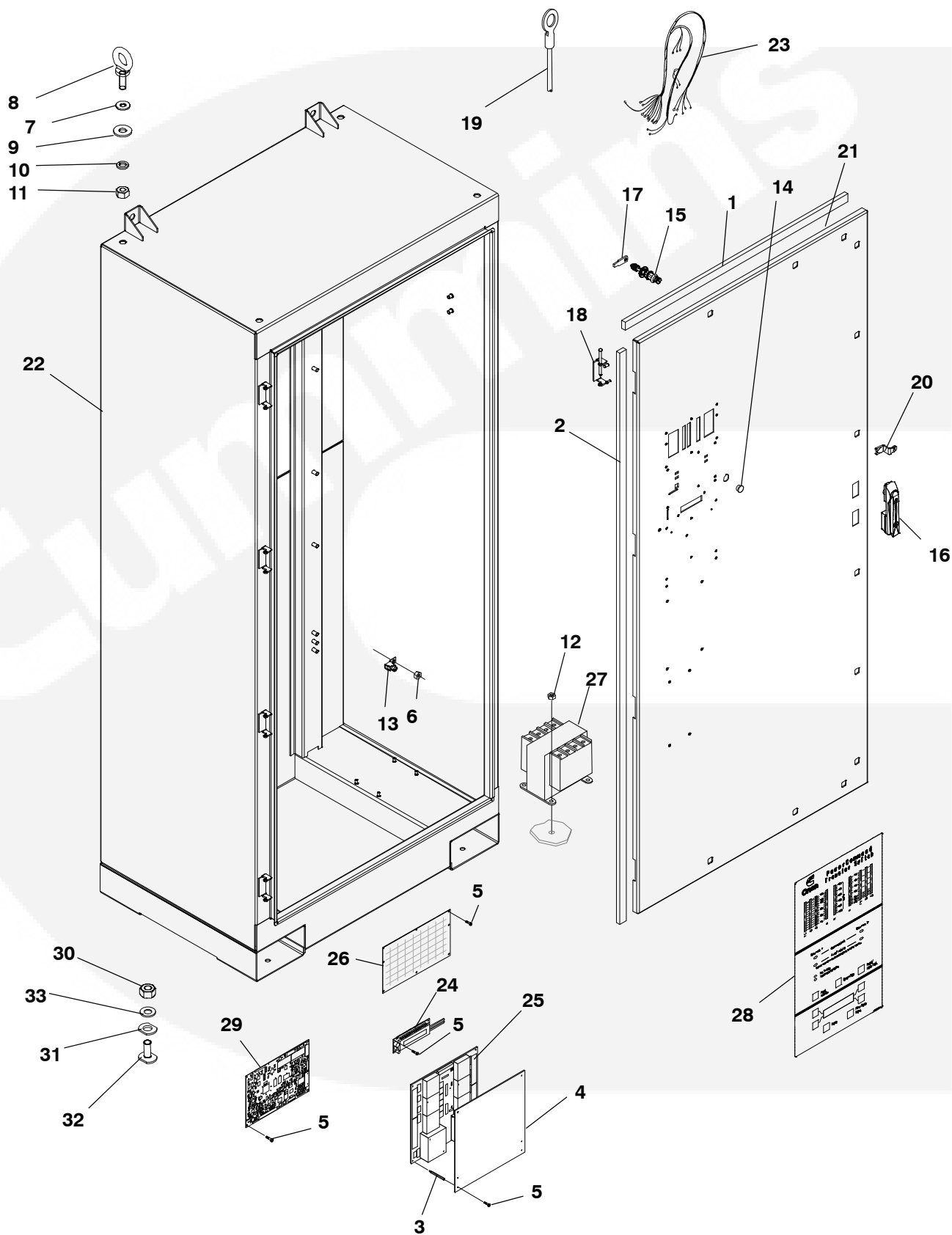
Cabinet **Type 3R and 12 (800–1000 Amp)**



Cabinet Type 3R and 12 (800–1000 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3898-02	1	Door, Cabinet	8	315-0661	1	Transformer, Power (600 VAC Only)
2			Cabinet	9	508-0233	11	Washer, Rubber
	319-3897-03	1	Type 3R Cabinet	10	870-0131	11	Nut, Hex – W/ET (#10–32)
	319-3897-04	1	Type 12 Cabinet	11	870-2216	4	Standoff, Male Snap
	A040C690	1	Relay, Control	12	306-4523	1	Cover, Printed Circuit Board
3			Harness, Main	13			Membrane, Panel
			Level 1 Control				Level 1 Control
	338-3856-01	1	All Except 600 VAC				Without Digital Display
	338-3856-02	1	600 VAC		300-5391	1	With Digital Display
			Level 2 Control		300-5392	1	With Digital Display
	338-3857-01	1	All Except 600 VAC				Level 2 Control
	338-3857-02	1	600 VAC		300-5392	1	Without Meters–Bar Graph
			Generator to Generator Applications				Display
			Applications		300-5393	1	With Meters–Bar Graph
	338-3857-03	1	All Except 600 VAC				Display
	338-3857-04	1	600 VAC	14	332-3653	1	Lug, Solderless (3/8")
4	300-5151	1	Module, Digital Display	15	517-0266	5	Plug, Hole
5			Board, Printed Circuit – Power	16	406-0613	1	Handle, Door (Includes Key)
			Module	17	406-0649	1	Key, Replacement
			Level 1 Control	18	306-3525	1	Latch, Cam (3 Point)
	300-5148-01	1	120 VAC	19	306-3526-04	2	Rod, Roller
	300-5148-02	1	208/220/240/440/480 VAC	20	870-0212	5	Nut, Self-Locking (1/4–20)
	300-5148-03	1	600 VAC	21	870-0281	1	Nut, Lock (3/8–16)
	300-5148-04	1	190/380/416 VAC	22			Lead (Quantity Used as Required)
			Level 2 Control		226-3554-01	1	6.0"
	300-5149-05	1	120 VAC		226-3554-02	1	3.0"
	300-5149-06	1	208/220/240/440/480 VAC	23		1	Board, Printed Circuit – Digital
					300-5146	1	Level 1 Control
	300-5149-07	1	600 VAC		300-5147-01	1	Level 2 Control
	300-5149-08	1	190/380/416 VAC	24	895-0293-09	2	Gasket, Door
6	300-5180	1	Board, Printed Circuit – Bar Graph	25	895-0293-10	2	Gasket, Door
7	815-0959-03	26	Screw, Pan Head (M3 x 8)	26	306-3467	2	Guide, Rod

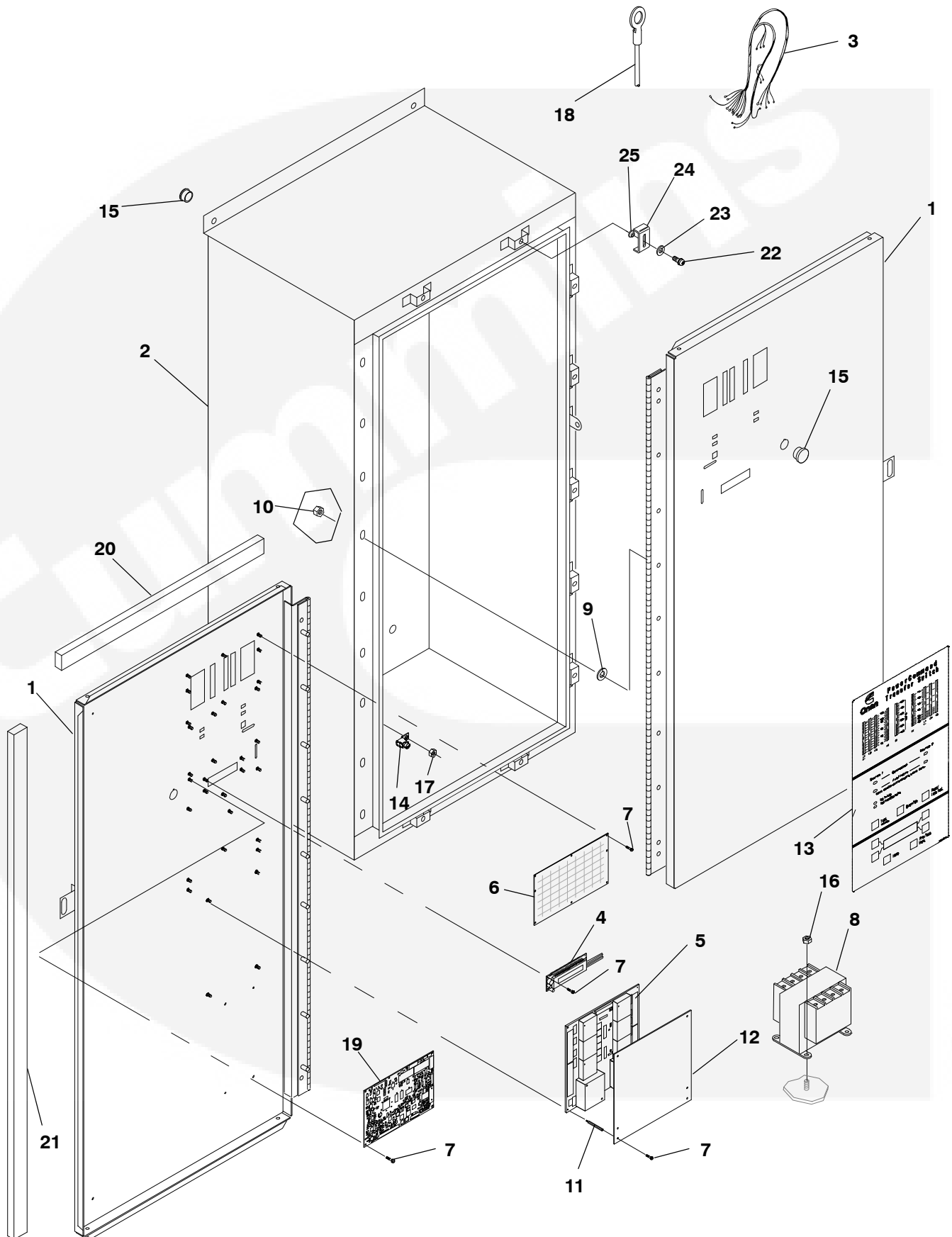
Cabinet Type 3R and 12 (1200 Amp)



Cabinet Type 3R and 12 (1200 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	895-0293-21	2	Gasket, Door	24	300-5151	1	Module, Digital Display
2	A030E455	2	Gasket, Door	25			Board, Printed Circuit – Power Module
3	870-2216	4	Standoff, Male Snap				Level 1 Control
4	306-4523	1	Cover, Printed Circuit Board				120 VAC
5	815-0959-02	23	Screw, Pan Head		300-5148-01	1	208/220/240/440/480 VAC
6	870-0281	9	Nut, Lock (3/8-16)		300-5148-02	1	600 VAC
7	A029N202	4	Gasket		300-5148-03	1	190/380/416 VAC
8	403-2121	4	Bolt, Eye		300-5148-04	1	Level 2 Control
9	526-0238	4	Washer, Flat				120 VAC
10	850-0079	4	Washer, Lock		300-5149-05	1	208/220/240/440/480 VAC
11	862-0008	4	Nut, Hex		300-5149-06	1	600 VAC
12	870-0212	4	Nut, Self-Locking (1/4-20)				190/380/416 VAC
13	332-3653	3	Lug, Solderless (3/8")		300-5149-07	1	Board, Printed Circuit – Bar Graph
14	517-0266	1	Plug, Hole		300-5149-08	1	Transformer, Power (600 VAC Only)
15	A029Y142	12	Latch, Mechanical				Membrane, Panel
16	A029Y139	1	Handle, Door	26	300-5180	1	Level 1 Control
17	A030E419	12	Latch, Cam				Without Digital Display
18	301-4984	4	Pin, Hinge	27	315-0661	1	With Digital Display
19			Lead (Quantity Used as Required)	28			Level 2 Control
	226-4916-01	1	12.0"				Without Meters–Bar Graph Display
	226-4798	1	16.0"		300-5391	1	With Meters–Bar Graph Display
20	A030J464	1	Latch, Cam		300-5392	1	Board, Printed Circuit – Digital
21	A029Y531	1	Door, Cabinet				Level 1 Control
22	A029Y539	1	Cabinet				Level 2 Control
	A040C690	1	Relay, Control		300-5392	1	Without Meters–Bar Graph Display
23			Harness, Main		300-5393	1	With Meters–Bar Graph Display
			Level 1 Control				Board, Printed Circuit – Digital
	338-3856-01	1	All Except 600 VAC	29		1	Level 1 Control
	338-3856-02	1	600 VAC		300-5146	1	Level 2 Control
			Level 2 Control		300-5147-01	1	Nut, Hex
	338-3857-01	1	All Except 600 VAC	30	862-0026-53	2	Gasket
	338-3857-02	1	600 VAC	31	A030J514	2	Plug, Hole
			Generator to Generator Applications	32	A030J509	2	Washer, Flat
				33	526-0399-56	2	
	338-3857-03	1	All Except 600 VAC				
	338-3857-04	1	600 VAC				

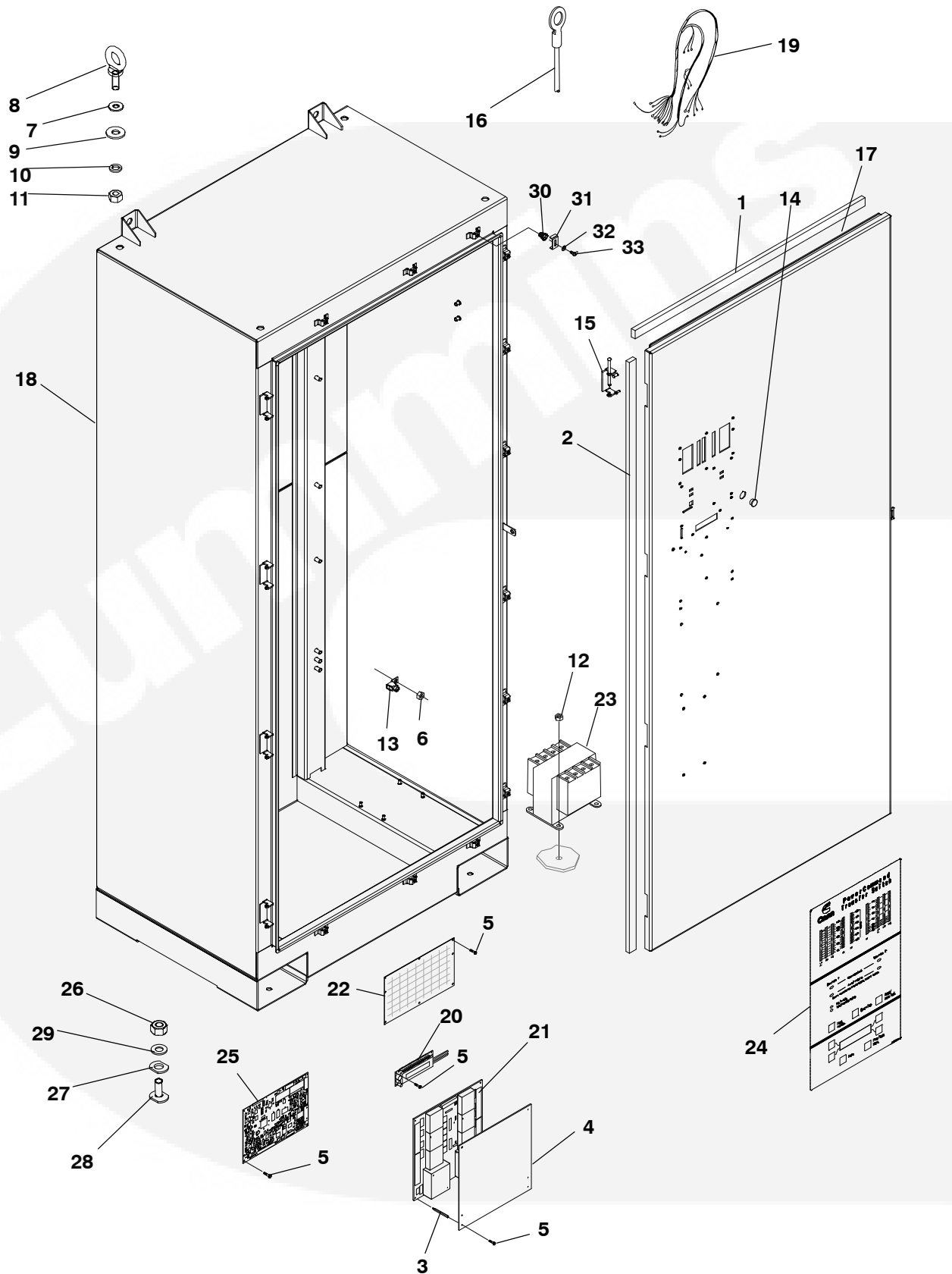
Cabinet **Type 4 and 4x (800–1000 Amp)**



Cabinet **Type 4 and 4x (800–1000 Amp)**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3901-02	1	Door, Cabinet	7	815-0959-03	26	Screw, Pan Head (M3 x 8)
	319-4961	1	Type 4	8	315-0661	1	Transformer, Power (600 VAC Only)
2	A040C690	1	Type 4x	9	508-0233	11	Washer, Rubber
	319-3900-02		Cabinet	10	870-0131	11	Nut, Hex – W/ET (#10–32)
	319-4960		Relay, Control	11	870-2216	4	Standoff, Male Snap
3			Type 4	12	306-4523	1	Cover, Printed Circuit Board
			Type 4x	13			Membrane, Panel
			Harness, Main				Level 1 Control
	338-3856-01	1	Level 1 Control		300-5391	1	Without Digital Display
	338-3856-02	1	All Except 600 VAC		300-5392	1	With Digital Display
			600 VAC				Level 2 Control
	338-3857-01	1	Level 2 Control		300-5392	1	Without Meters–Bar Graph
	338-3857-02	1	All Except 600 VAC				Display
			600 VAC		300-5393	1	With Meters–Bar Graph
			Generator to Generator Applications				Display
	338-3857-03	1	All Except 600 VAC	14	332-3653	1	Lug, Solderless (3/8")
	338-3857-04	1	600 VAC	15	517-0266	5	Plug, Hole
4	300-5151	1	Module, Digital Display	16	870-0212	5	Nut, Self-Locking (1/4–20)
5			Board, Printed Circuit – Power	17	870-0281	1	Nut, Lock (3/8–16)
			Module	18			Lead (Quantity Used as Required)
			Level 1 Control				6.0"
	300-5148-01	1	120 VAC		226-3554-01	1	3.0"
	300-5148-02	1	208/220/240/440/480 VAC		226-3554-02	1	Board, Printed Circuit – Digital
	300-5148-03	1	600 VAC	19		1	Level 1 Control
	300-5148-04	1	190/380/416 VAC		300-5146	1	Level 2 Control
			Level 2 Control		300-5147-01	1	Gasket, Door
	300-5149-05	1	120 VAC	20	895-0293-09	2	Gasket, Door
	300-5149-06	1	208/220/240/440/480 VAC	21	895-0293-10	2	Screw, Cap – Hex Head (5/16–18 x .75)
			600 VAC	22	800-0317	9	Washer, Flat (5/16)
	300-5149-07	1	190/380/416 VAC	23	526-2319	9	Bracket, Door
	300-5149-08	1		24	319-4725	9	Spring, Conical
6	300-5180	1	Board, Printed Circuit – Bar Graph	25	506-0031	9	

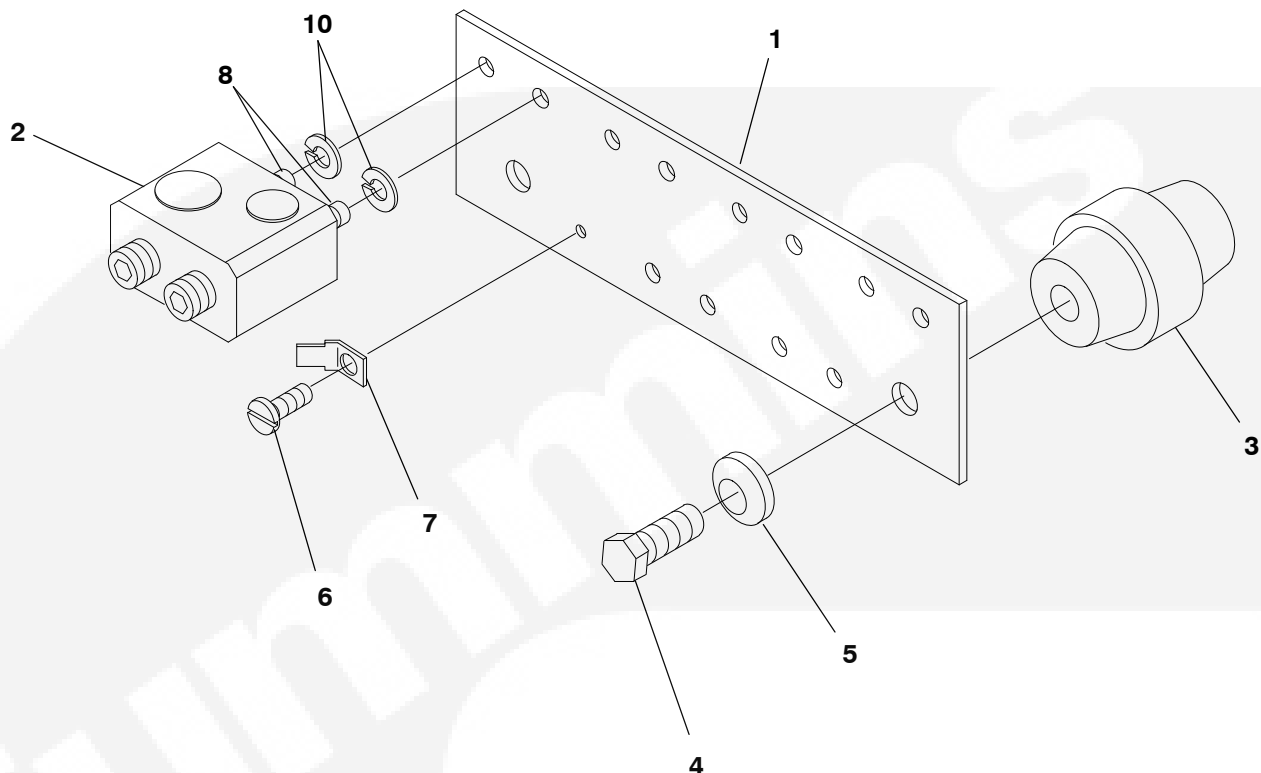
Cabinet Type 4 and 4x (1200 Amp)



Cabinet Type 4 and 4x (1200 Amp)

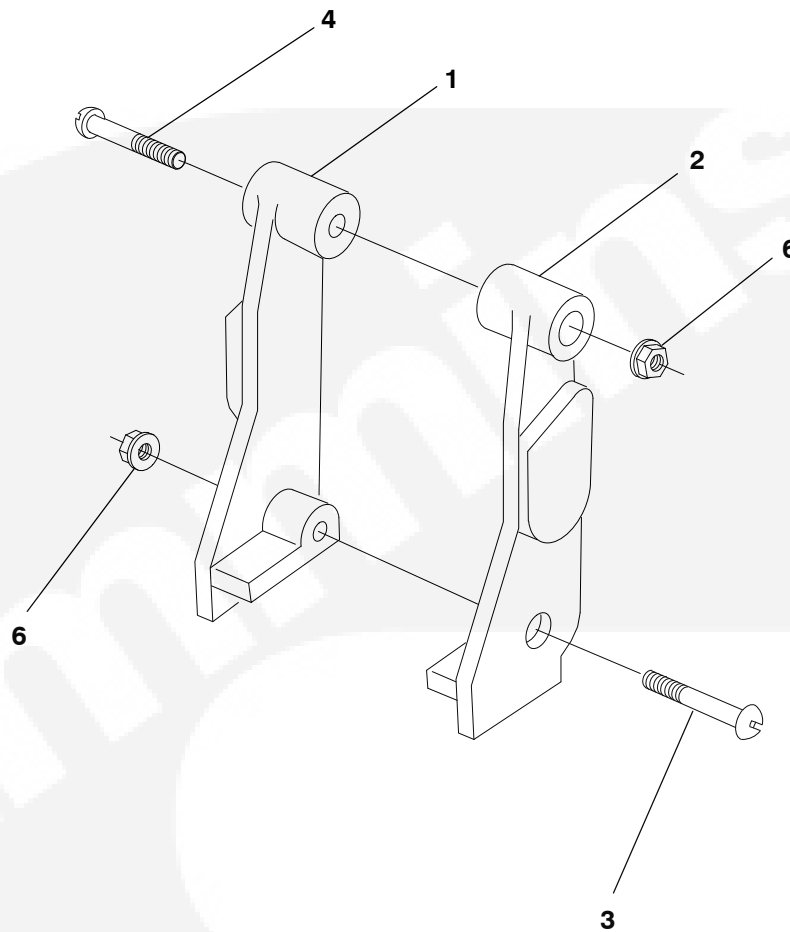
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A042V397	2	Gasket, Door	20	300-5151	1	Module, Digital Display
2	A042V395	2	Gasket, Door	21			Board, Printed Circuit – Power Module
3	870-2216	4	Standoff, Male Snap				Level 1 Control
4	306-4523	1	Cover, Printed Circuit Board				120 VAC
5	815-0959-02	23	Screw, Pan Head		300-5148-01	1	208/220/240/440/480 VAC
6	870-0281	9	Nut, Lock (3/8-16)		300-5148-02	1	600 VAC
7	A029N202	4	Gasket		300-5148-03	1	190/380/416 VAC
8	403-2121	4	Bolt, Eye		300-5148-04	1	Level 2 Control
9	526-0238	4	Washer, Flat		300-5149-05	1	120 VAC
10	850-0079	4	Washer, Lock		300-5149-06	1	208/220/240/440/480 VAC
11	862-0008	4	Nut, Hex		300-5149-07	1	600 VAC
12	870-0212	4	Nut, Self-Locking (1/4-20)		300-5149-08	1	190/380/416 VAC
13	332-3653	3	Lug, Solderless (3/8")		300-5180	1	Board, Printed Circuit – Bar Graph
14	517-0266	1	Plug, Hole	22			Transformer, Power (600 VAC Only)
15	301-4984	4	Pin, Hinge	23	315-0661	1	Membrane, Panel
16			Lead (Quantity Used as Required)	24			Level 1 Control
	226-4916-01	1	12.0"				Without Digital Display
	226-4798	1	16.0"				With Digital Display
17			Door, Cabinet				Level 2 Control
	A040J482	1	Type 4		300-5391	1	Without Meters–Bar Graph Display
	A041P818	1	Type 4x		300-5392	1	With Meters–Bar Graph Display
18			Cabinet				Board, Printed Circuit – Digital
	A040C690	1	Relay, Control				Level 1 Control
	A040K331	1	Type 4				Level 2 Control
	A041P720	1	Type 4x				Nut, Hex
19			Harness, Main				Gasket
			Level 1 Control				Plug, Hole
	338-3856-01	1	All Except 600 VAC	25		1	Washer, Flat
	338-3856-02	1	600 VAC		300-5146	1	Spring, Compression
			Level 2 Control		300-5147-01	1	Bracket
	338-3857-01	1	All Except 600 VAC	26	862-0026-53	2	Washer, Flat
	338-3857-02	1	600 VAC	27	A030J514	2	Screw, Hex Head
			Generator to Generator Applications	28	A030J509	2	
	338-3857-03	1	All Except 600 VAC	29	526-0399-56	2	
	338-3857-04	1	600 VAC	30	506-0031	12	
				31	319-4725	12	
				32	526-2319	12	
				33	800-0317	12	

Neutral Bar (800–1000 Amp)



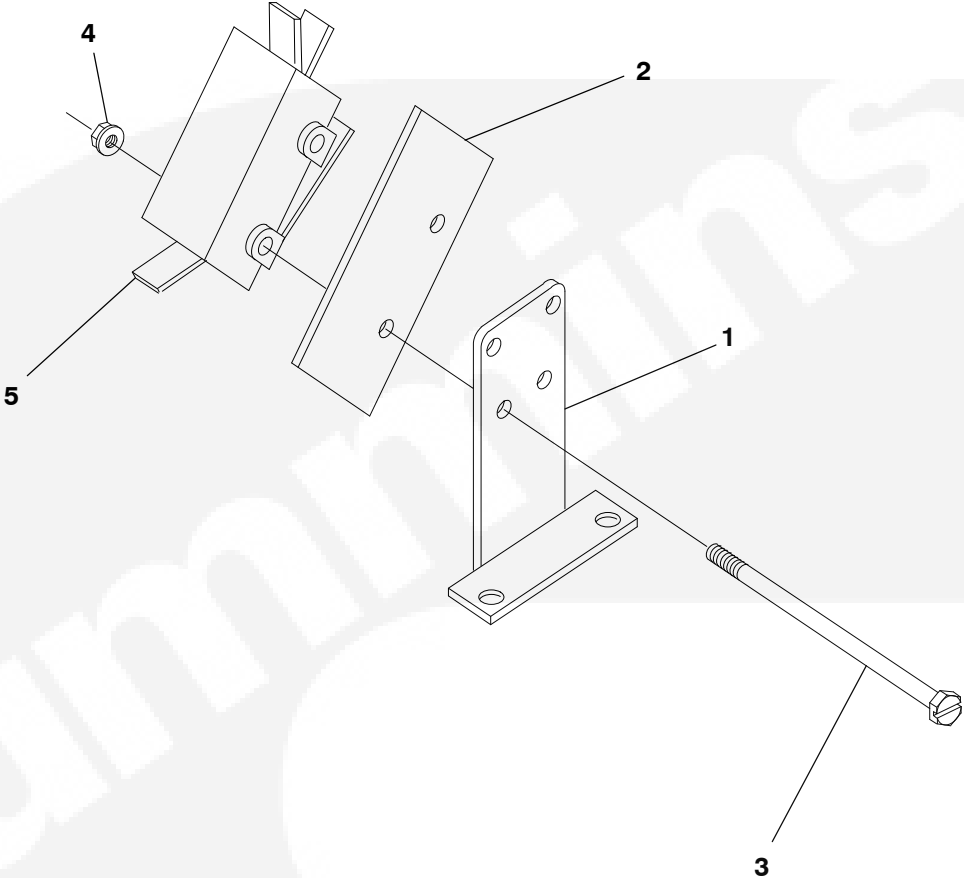
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-2354	1	Bar, Neutral	7	332-2834	1	Tab, Terminal (.25)
2	332-2660	6	Lug, Solderless	8	822-0085	6	Screw, Pan Head (1/4-20 x 5/8)
3	332-2512	2	Standoff, Insulator	9	822-0091	6	Screw, Pan Head (1/4-20 x 1-1/2)
4	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1.00)	10	850-0039	12	Washer, Lock (1/4)
5	851-0022	2	Spring, Disc - Conical (3/8)				
6	815-0285	1	Screw, Machine - Round Head - W/ET (#8-32 x 5/8)				

Actuator Handle Assembly



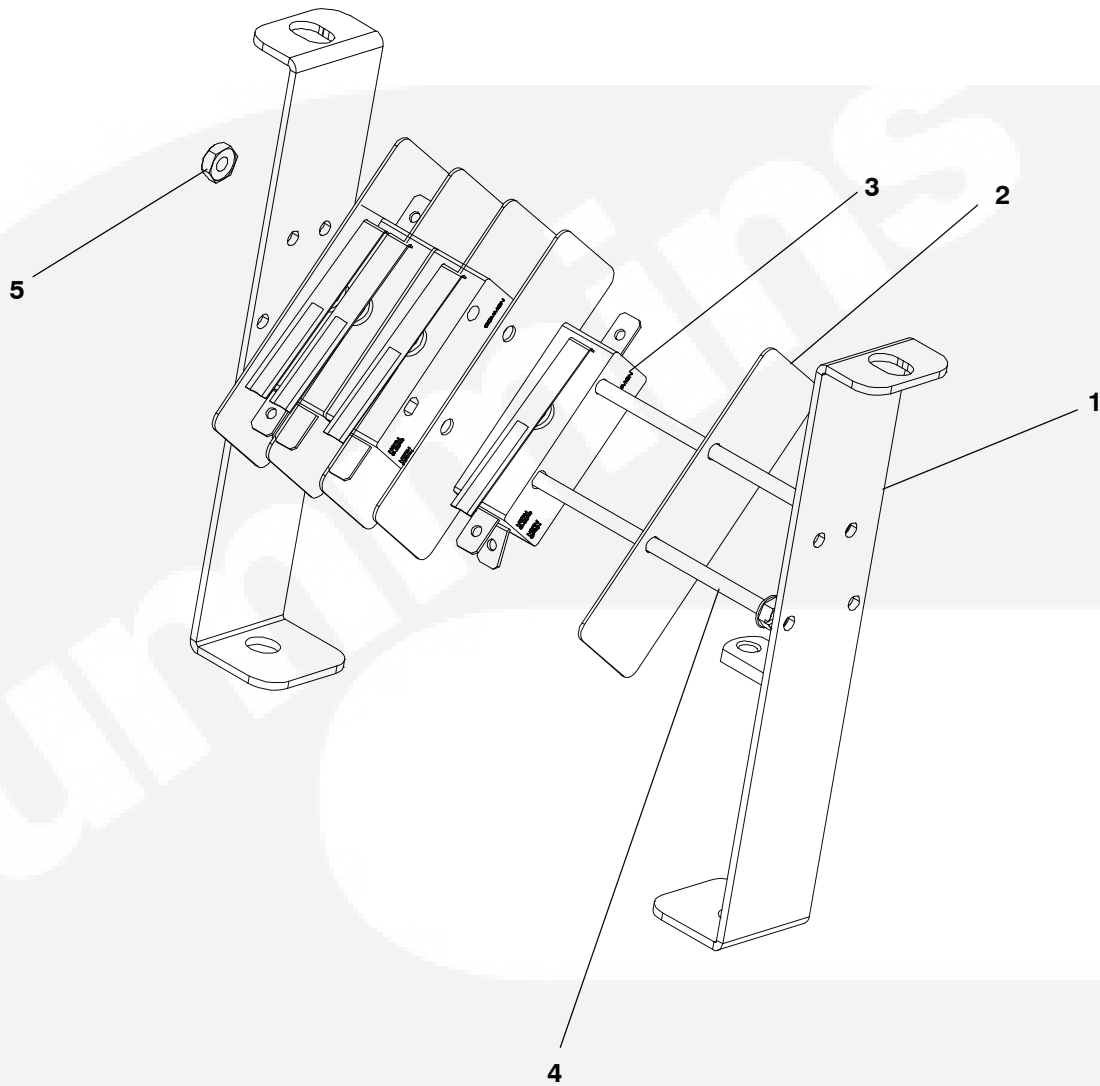
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-0819	2	Handle Assembly, Actuator	4	815-0933	1	Screw, Machine – Round Head – Cross Recessed
1	306-0644	1	Handle, Switch – Left Hand				(#10-32 x 1-3/4)
2	306-0643	1	Handle, Switch – Right Hand	6	870-0298	2	Nut, Self-Locking (#10-32)
3	815-0934	1	Screw, Machine – Round Head – Cross Recessed (#10-32 x 2)				

**Auxiliary Switch Assembly
(800–1000 Amp)**



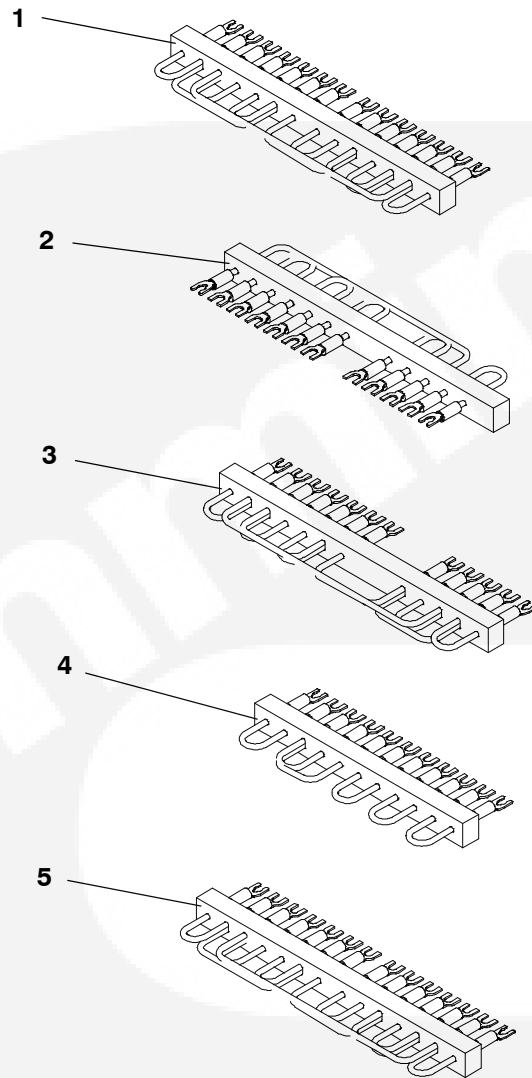
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3435	2	Bracket, Switch – Auxiliary	4	870-0201	2	Nut, Lock (#6-32)
2	306-3391	5	Barrier, Switch	5	308-1166	4	Switch, Snap-Action
3	815-0686	2	Screw, Cap – Hex Head (#6-32 x 3-1/4)				

Auxiliary Switch Assembly (1200 Amp)



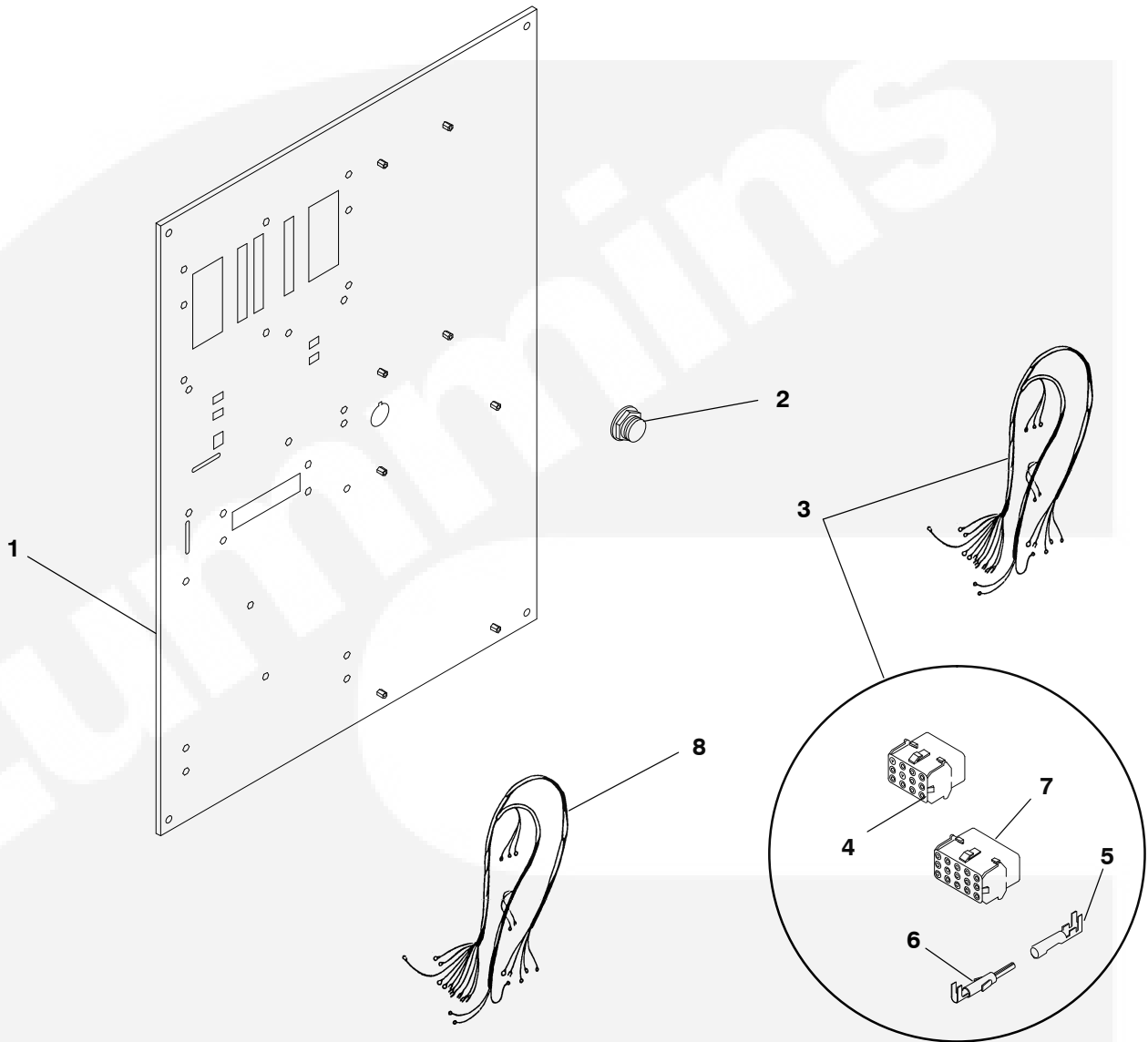
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A030G015	2	Bracket, Mounting	4	815-0686	2	Screw, Cap – Hex Head (#6-32 x 3-1/4)
2	306-3391	5	Barrier, Switch	5	870-0201	2	Nut, Lock (#6-32)
3	308-1166	4	Switch, Snap-Action				

Terminal Jumper



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-4291	1	Jumper, Terminal (190-240V/3 Phase)	4	332-4301	1	Jumper, Terminal (220V/3 Phase – Level 1)
2	332-4298	1	Jumper, Terminal (380-480V/3 Phase)	5	332-4299	1	Jumper, Terminal (600/3 Phase)
3	332-4300	1	Jumper, Terminal (240V/Single Phase)				

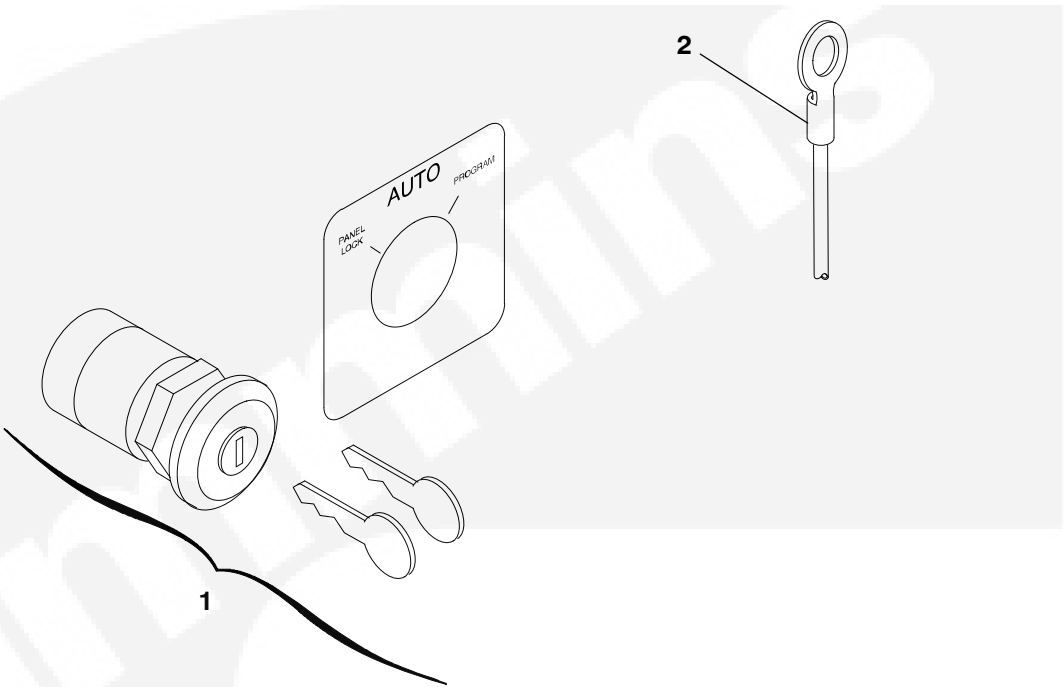
Plate and Wiring Harness (Open Construction)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4011-02	1	Plate, Open Construction
2	517-0266	1	Plug, Hole
3			Harness, Control (Includes Items 4-7)
			Level 1 Control
	338-3851-02	1	600V
	338-3851-03	1	All except 600V
			Level 2 Control
	338-3853-02	1	600V
	338-3853-04	1	All except 600V
4	323-1315	1	Cap, Connector (12 Pin)

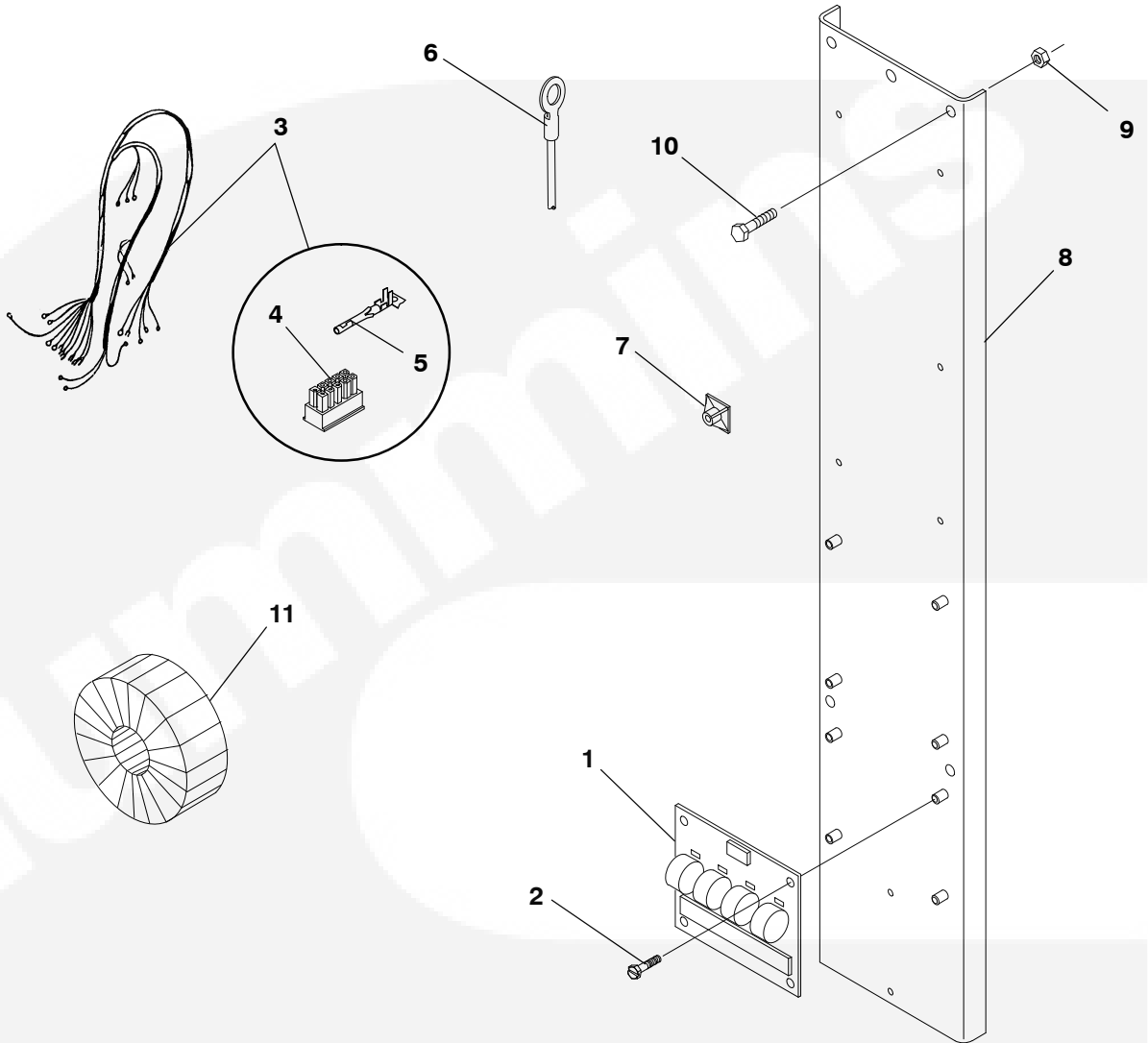
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	323-1200	21	Socket, Contact
6	323-1199	2	Pin, Contact
7	323-1253	1	Cap, Connector (15 Pin)
8			Harness, Extension
	338-2219	1	37"
	338-2220	1	36"

Front Panel Security



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-1094	1	Switch, Selector	2	226-4794-01	1	Lead 14" (Marked S20-2 - J27-5)
					226-4794-02	1	Lead 16" (Marked S20-2 - J27-11)

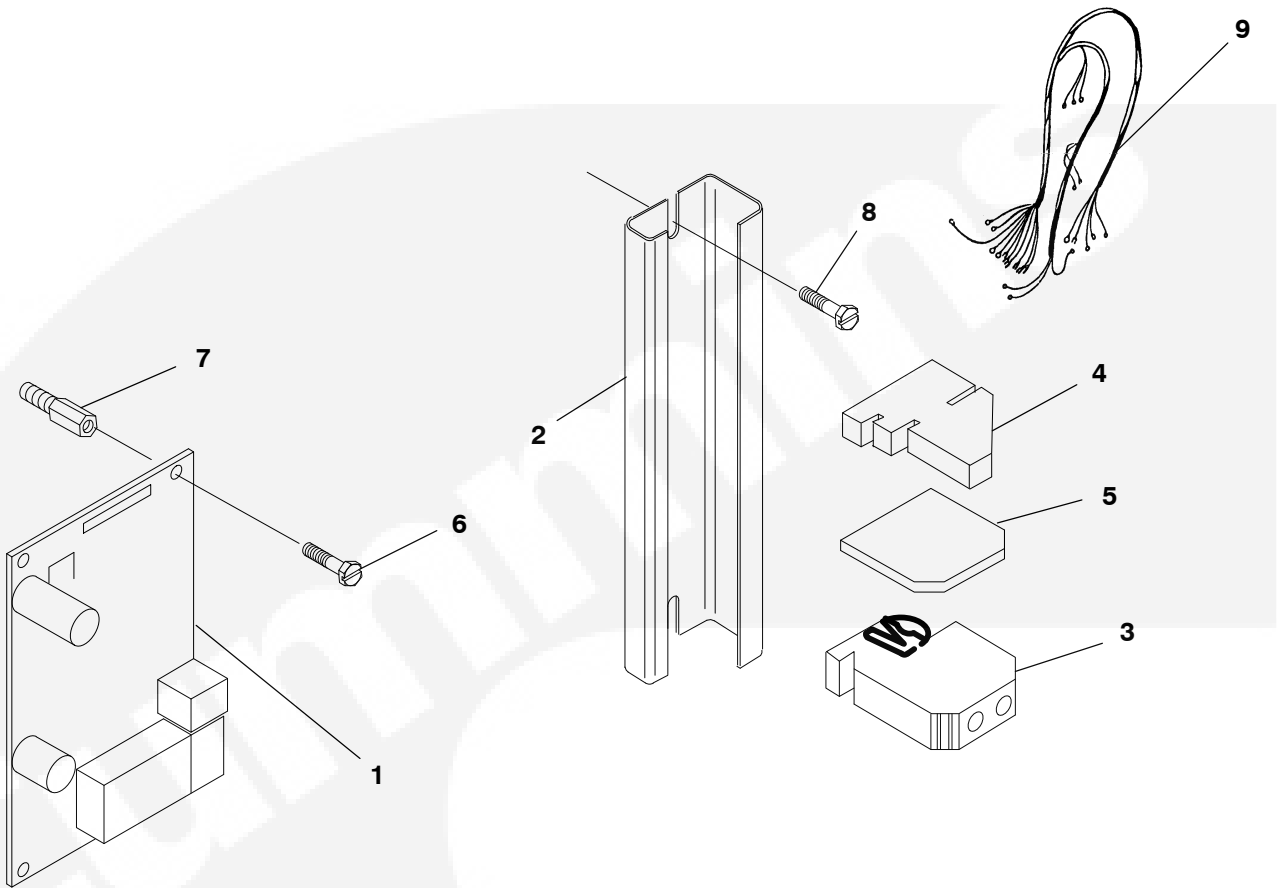
Current Transformer Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5254	1	Board, Printed Circuit – Current Module	11			Transformer, Current
2	815-0959-02	4	Screw, Pan Head (M3 x 7)		302-1396	2	800 Amp
3	338-3884-01	1	Harness, Current Module (Includes Parts Marked *)		302-1396	3	120 VAC
4	323-1806-05	2	* Connector, Receptacle (10 Pin)		302-1396	4	1 Phase, 2 or 3 Wire
5	332-3606	20	* Socket, Contact				3 Phase, 3 or 4 Wire
6			Lead		302-1810	2	1000 Amp
	226-4794-03	1	15" (Marked J40-14, GND)		302-1810	3	120 VAC
	226-4794-04	4	3" (No Markings)		302-1810	4	1 Phase, 2 or 3 Wire
7	332-2420	2	Mount, Cable Tie				3 Phase, 3 or 4 Wire
8	319-3943-01	1	Plate, Mounting		302-1820-13	2	1200 Amp
9	870-0212	4	Nut, Self-Locking (1/4-20)		302-1820-13	3	120 VAC
10	800-0005	4	Screw, Cap – Hex Head (1/4-20 x .75)		302-1820-13	4	1 Phase, 2 or 3 Wire
							3 Phase, 3 or 4 Wire

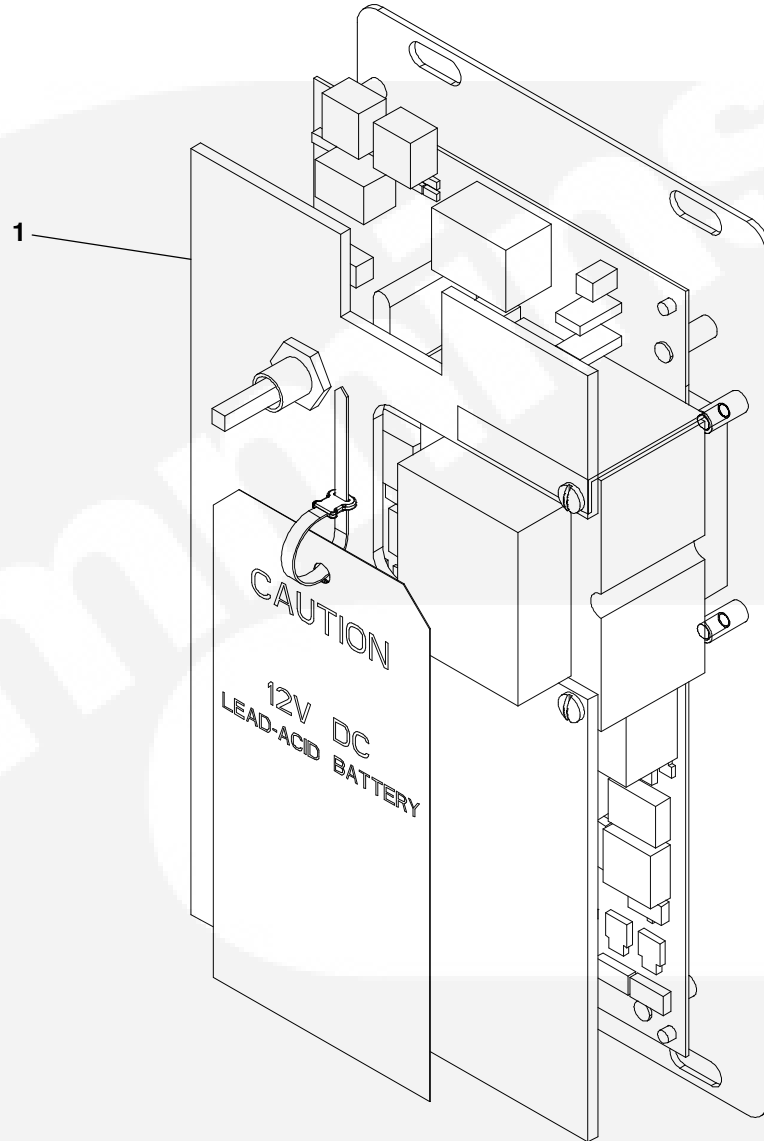
* – Parts Included in 338-3884-01 Wiring Harness

Network Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	327-1542	1	Board, Printed Circuit – Network Module	6	815-0959-03	4	Screw, Pan Head (M3 x 0.5 x 8)
2	332-2837-09	1	Rail, Terminal Block	7	870-2213-02	4	Standoff, Hex Thread (M3)
3	332-2836-01	2	Block, Terminal (Sectional)	8	815-0955-03	2	Screw, Phillips/Hex Head – GND (M4 x 10)
4	332-2839	2	Bracket, End – Terminal	9	338-3886	1	Harness, Network
5	332-2841	1	Plate, End – Terminal				

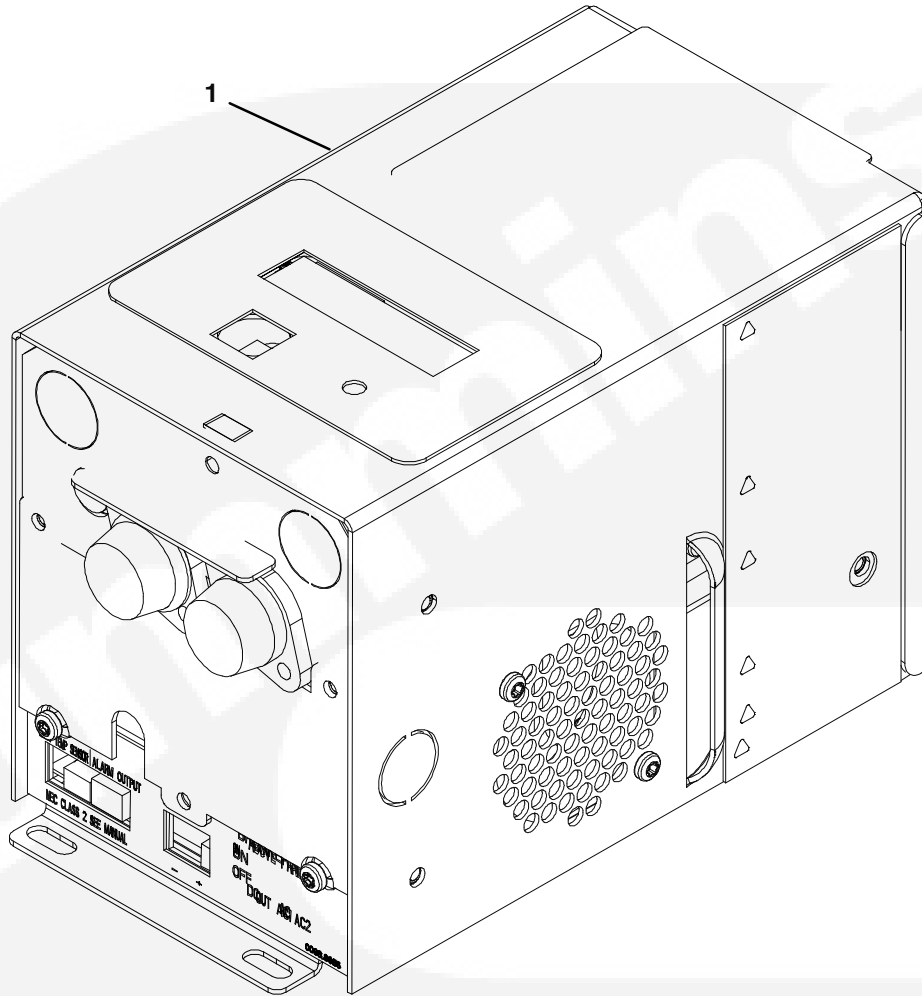
Battery Charger **2 Amp, 12/24 Volt**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Charger, Battery				
	300-6026-09	1	120V				
	300-6026-10	1	208V				
	300-6026-11	1	240V				
	300-6026-13	1	380V				
	300-6026-14	1	416V				
	300-6026-15	1	480V				

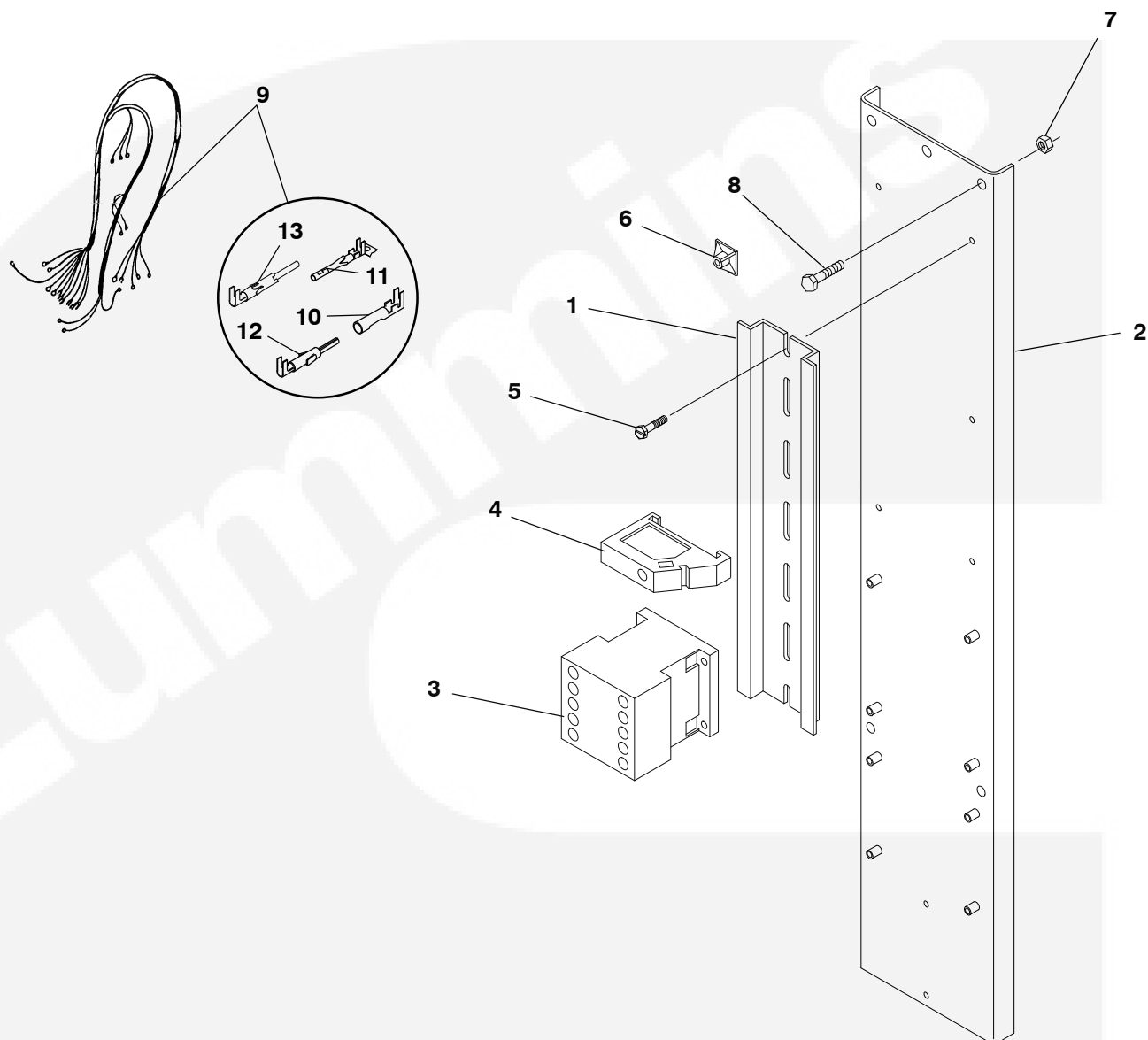


Battery Charger **15/12 Amp, 12/24 Volt**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Charger, Battery				
	300-5878-13	1	120, 208, 240V				
	300-5878-15	1	380V				
	300-5878-16	1	416V				
	300-5878-17	1	480V				

Wiring Harness Battery Charger (Generator Set to Generator Set)

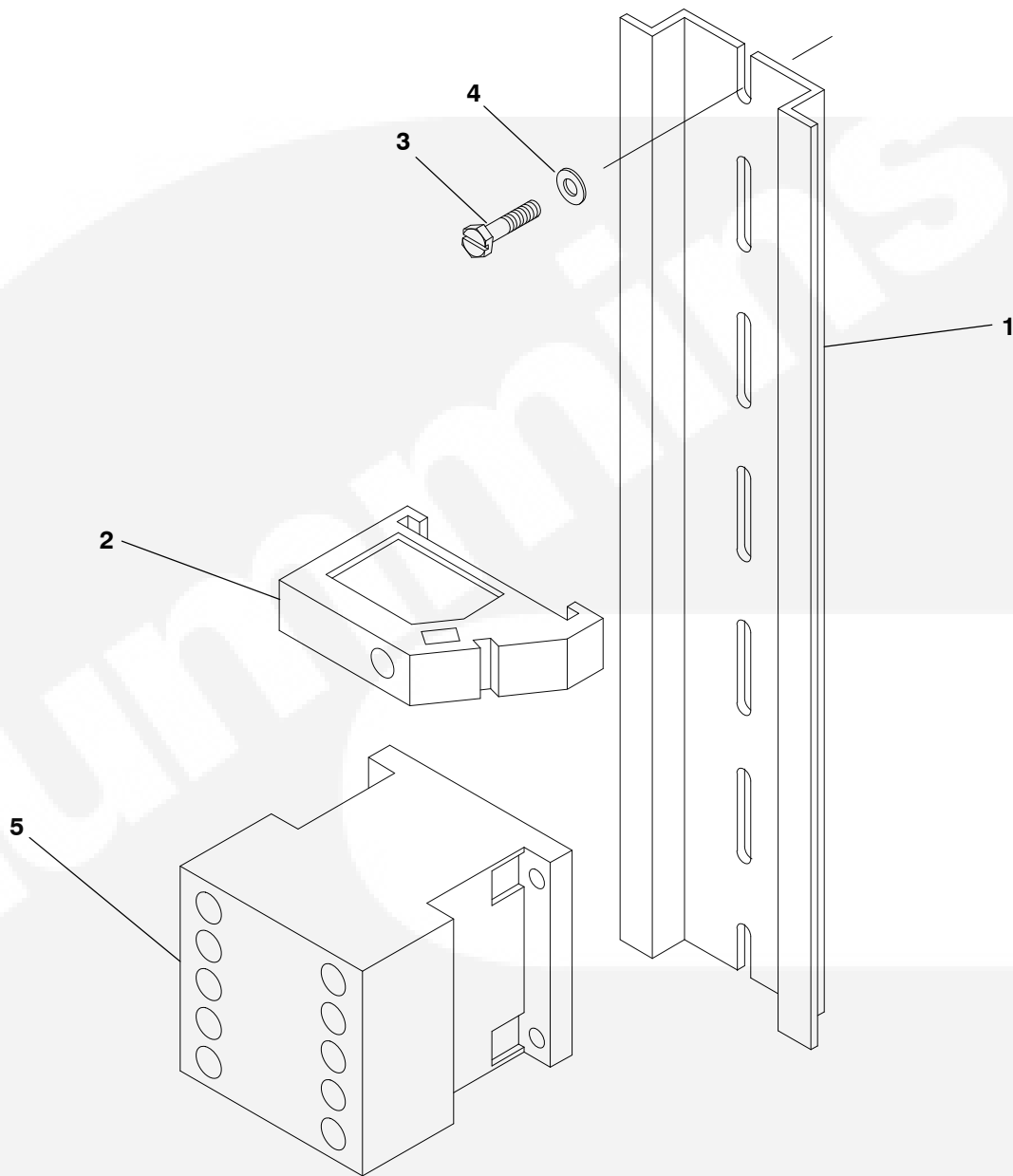


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-04	1	Rail, Terminal
2	319-3943-01	1	Plate, Mounting
3	307-2873	1	Relay, Control (12 VDC)
4	332-2878	2	Bracket, End
5	815-0955-03	2	Screw, Phillips/Hex Head - GND (M4 x 10)
6	332-2420	2	Mount, Cable Tie
7	870-0212	4	Nut, Self-Locking (1/4-20)
8	800-0005	4	Screw, Cap - Hex Head (1/4-20 x .75)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	338-3836	1	Harness, Battery Charger (Includes Parts Marked *)
10	323-1200	2	* Socket, Contact
11	332-3606	1	* Socket, Contact
12	323-1199	2	* Pin, Contact
13	323-1703	2	* Pin, Contact

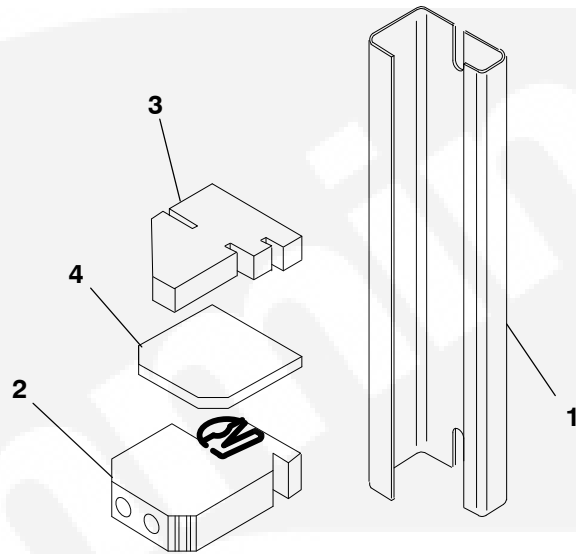
* - Parts Included in 338-3836 Wiring Harness

Auxiliary Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-04	1	Rail, Terminal	4	526-0003	2	Washer, Flat
2	332-2878	2	Bracket, End	5			Relay, Control
3	815-0955-03	2	Screw, Phillips/Hex Head – GND (M4 x 10)		307-2873	1	12 VDC
					307-2874	1	24 VDC

Terminal Block

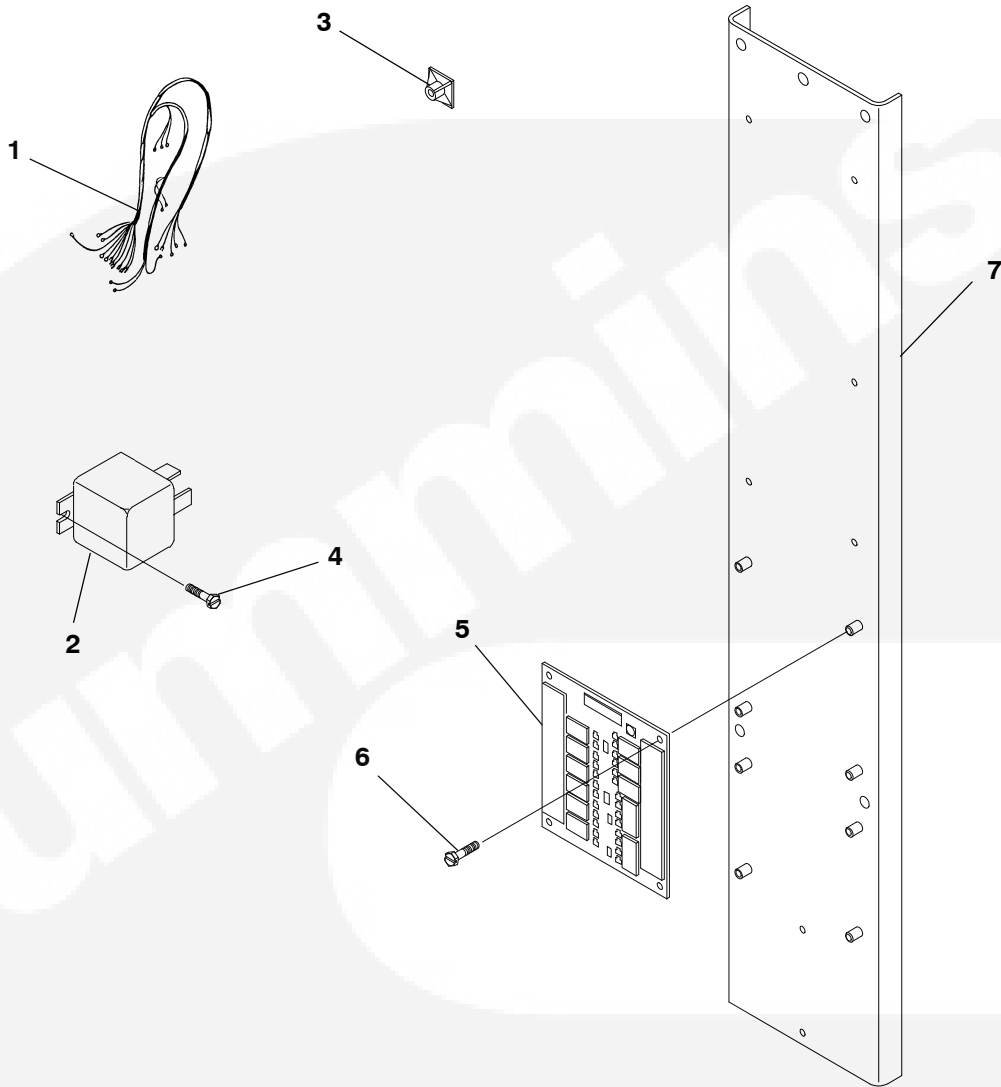


A037,K001,K002,K003

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	Rail, Terminal Block	3	332-2839	2	Bracket, End – Terminal
2	332-2836-02	3	Block, Terminal (Sectional)	4	332-2841	1	Plate, End – Terminal

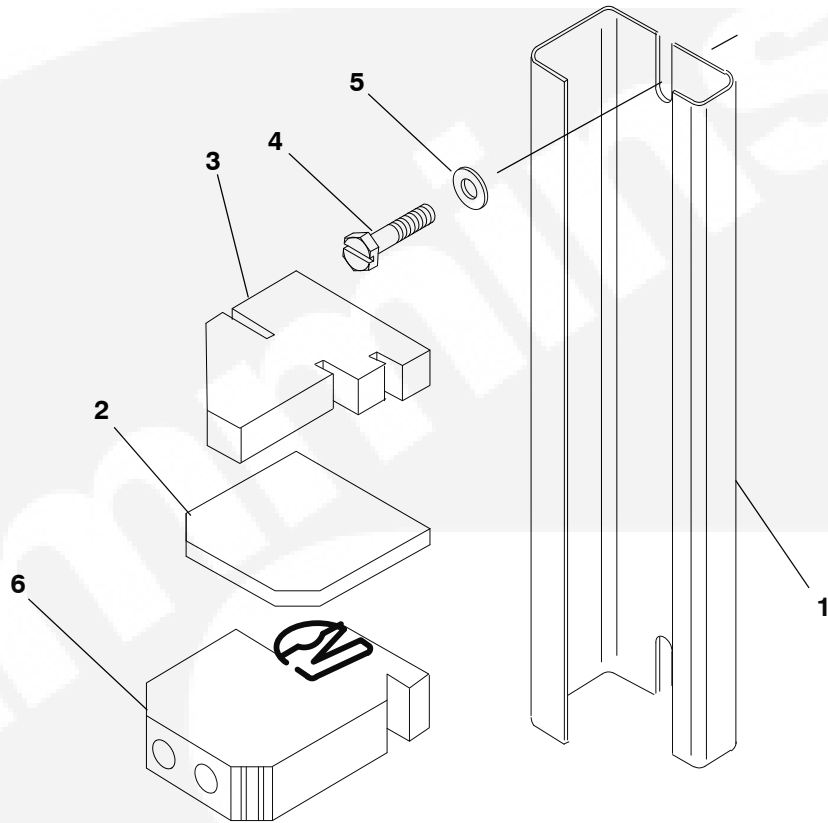


Load Shed



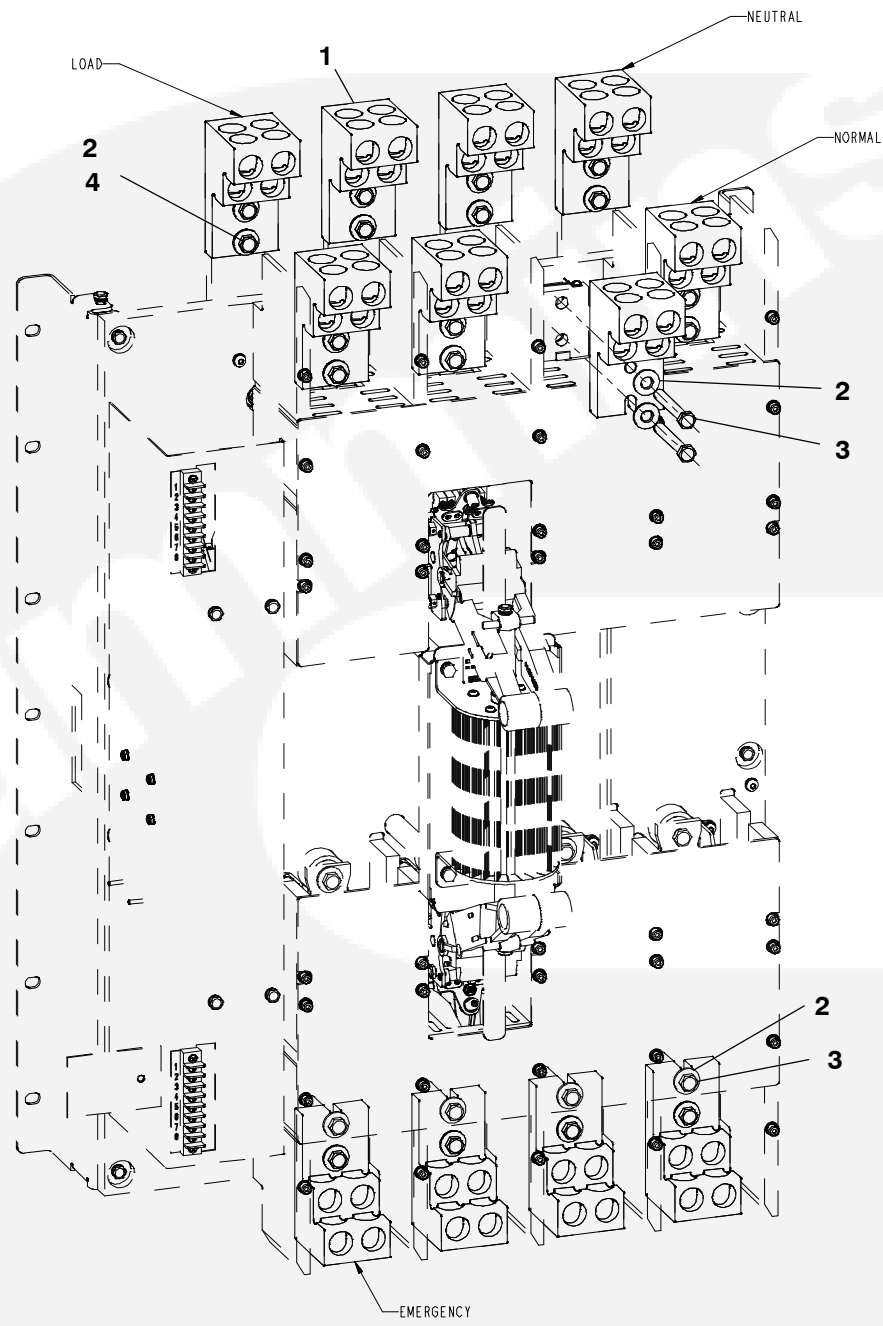
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3876-01	1	Harness, Load Shed	4	815-0792-02	1	Screw, Pan Head (M4 x 8)
	338-3876-02	1	All Except 600 Volt	5	300-5152	1	Board, Printed Circuit – Relay Module
2	307-2929	1	Relay – 3PDT (12 VDC)	6	815-0959-02	4	Screw, Pan Head (M3 x 7)
3	332-2420	2	Mount, Cable Tie	7	319-3943-01	1	Plate, Mounting

Terminal Block Retransfer Inhibit



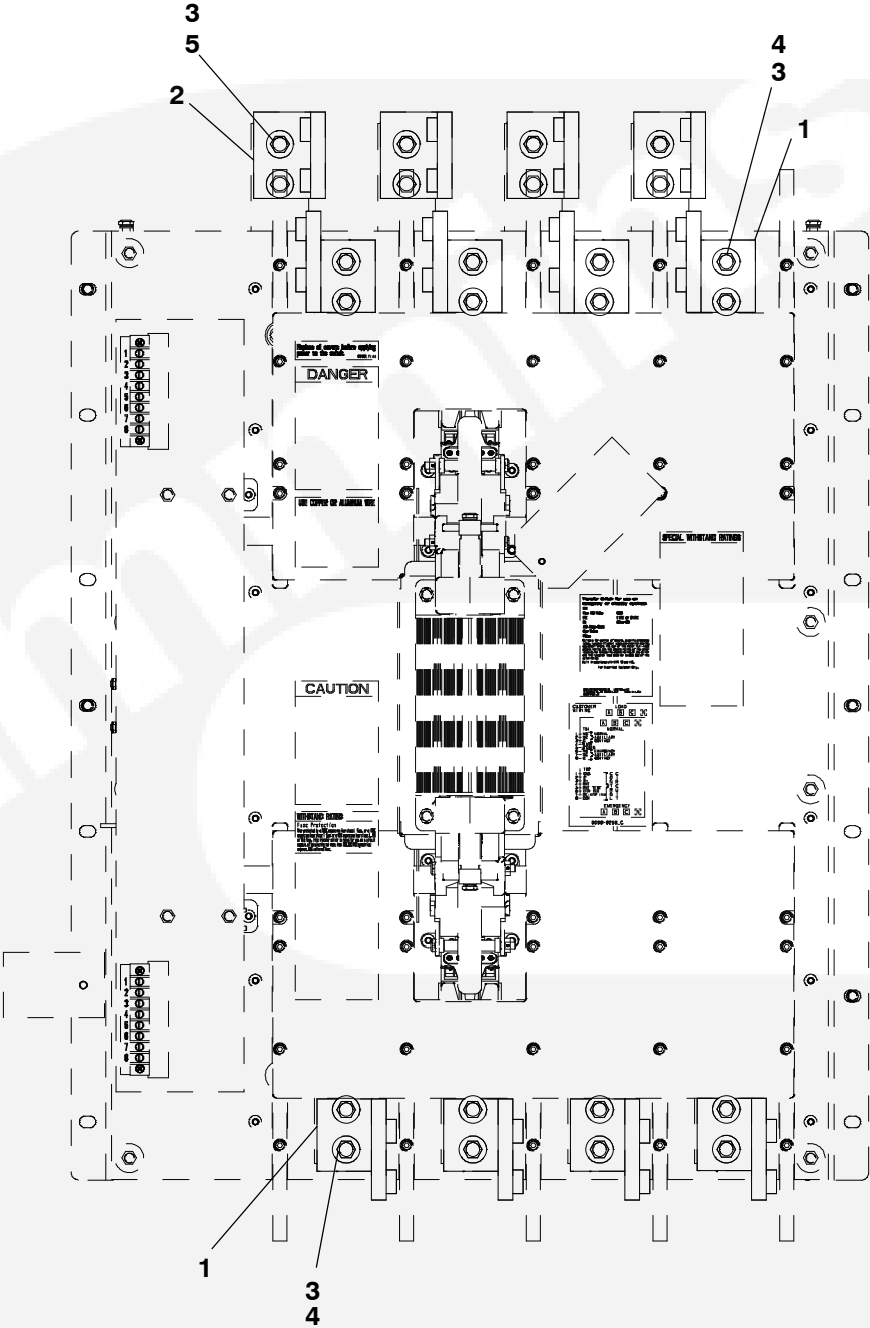
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	Rail, Terminal Block	5	526-0003	2	Washer, Flat
2	332-2841	1	Plate, End - Terminal	6	332-2836-01	2	Block, Terminal (Sectional)
3	332-2839	2	Bracket, End - Terminal				
4	815-0955-03	2	Screw, Phillips/Hex Head - GND (M4 x 10)				

Cable Lugs – Mechanical 4–600MCM/Pole
1200 Amp



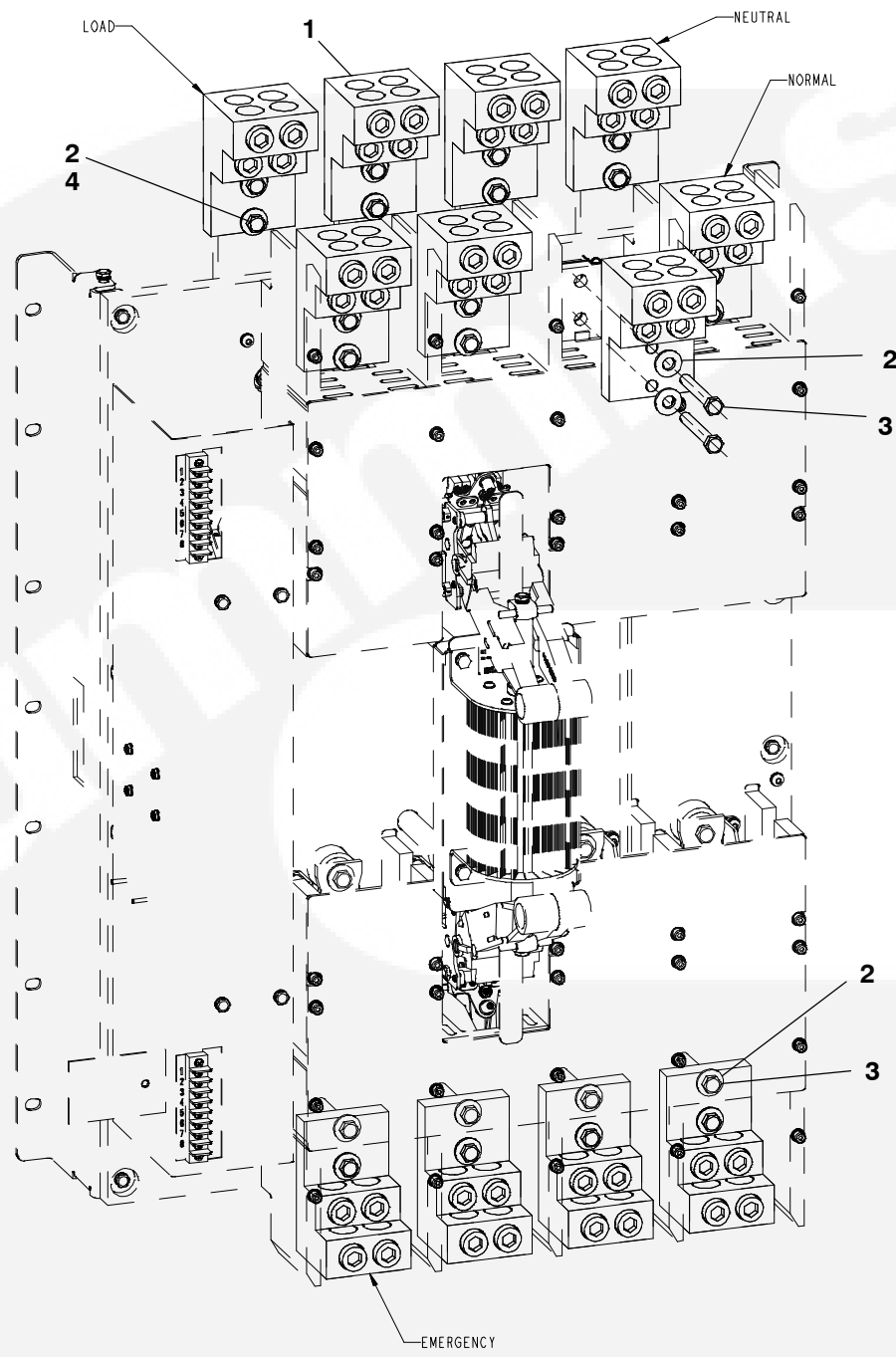
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-1557	12	Lug, Neutral	3	800-0057	16	Screw, Hex Head
2	851-0022	24	Washer	4	800-0053	8	Screw, Hex Head

Lug Adapters – Compression (1/2 Stud)
1200 Amp



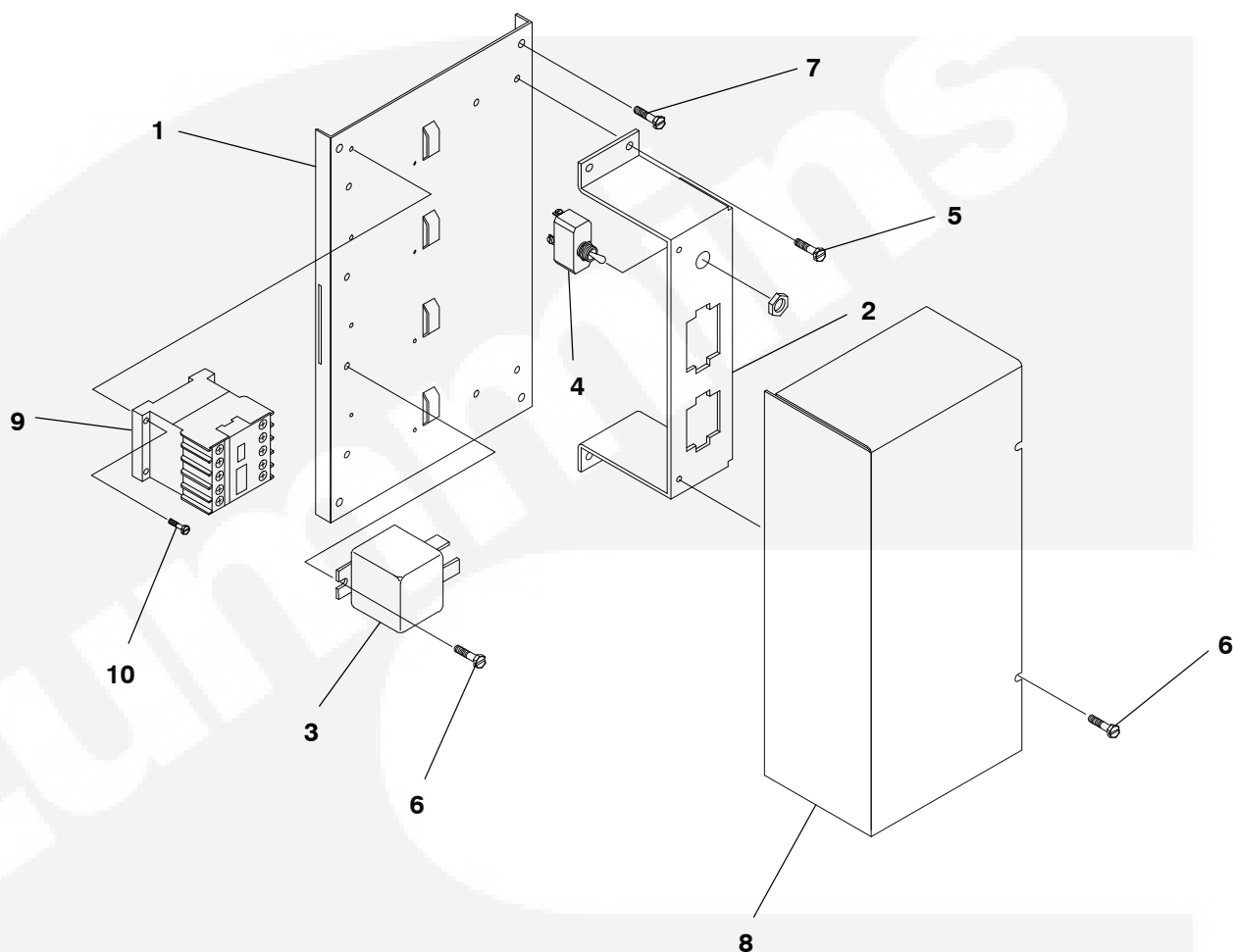
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	A030G454	8	Busbar	4	800-0056	16	Screw, Hex Head
2	A030G461	4	Busbar	5	800-0053	8	Screw, Hex Head
3	851-0022	24	Washer	6	A030J359	1	Kit, Hardware (Not Illustrated)

Cable Lugs – Mechanical 4-750MCM/Pole
1200 Amp



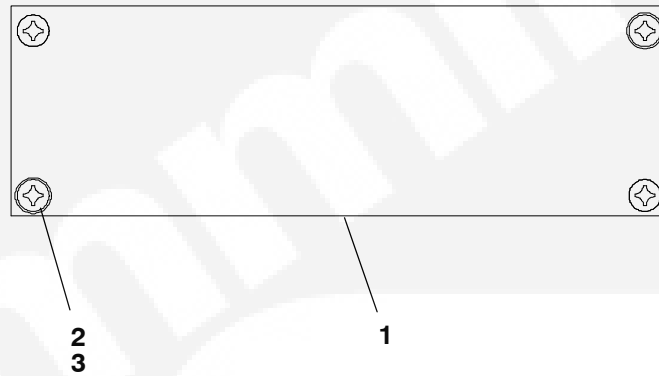
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-3036	12	Lug, Neutral	3	800-0057	16	Screw, Hex Head
2	851-0022	24	Washer	4	800-0053	8	Screw, Hex Head

Accessory Control Plate



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3940-02	1	Plate, Relay	7	815-0960-03	4	Screw, Pan Head – Crossed Recessed
2	319-3941-02	1	Bracket, Connector	8	319-3942-02	1	Cover, Relay Plate
3	307-2929	1	Relay – 3PDT	9	307-2931	2	Relay, Control
4	308-0406	1	Switch, Toggle	10	815-0959-05	4	Screw, Pan Head
5	815-0955-03	4	Screw, Phillips/Hex Head – GND (M4 x 10)				
6	815-0792-02	3	Screw, Pan Head – Crossed Recessed (M4 x 8)				

Digital Display Cover

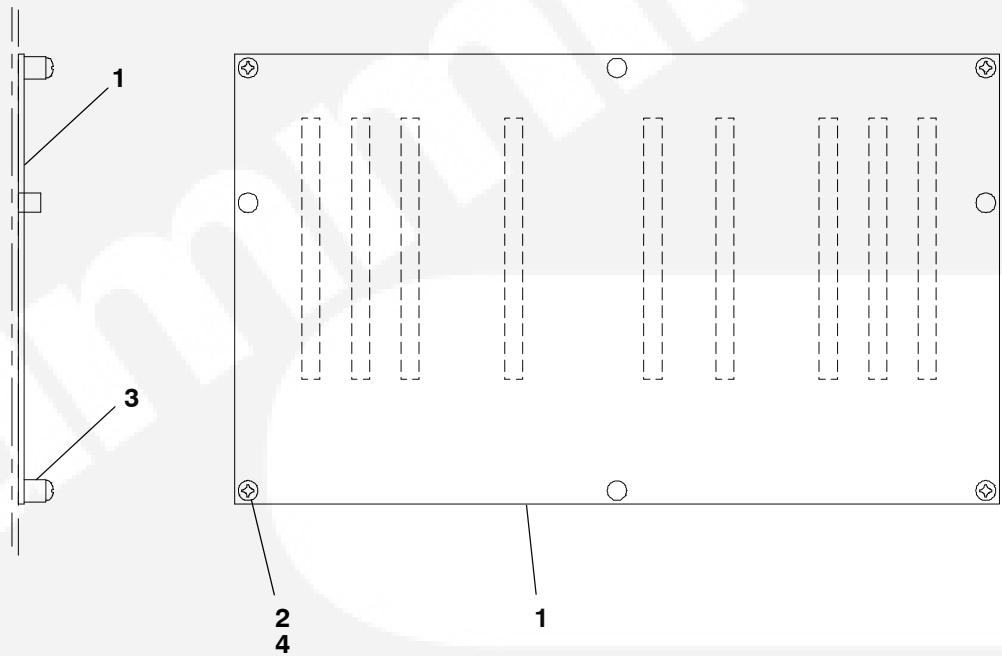


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4140-01	1	Cover, Digital Display
2	815-0959-02	4	Screw, Pan Head – Cross Recessed (M3 x 0.5 x 7)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	526-0257	4	Washer, Flat



Bargraph Cover



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4139-01	1	Plate, Display Cover	3	870-2218-01	4	Standoff, Nylon
2	815-0959-02	4	Screw, Pan Head – Cross Recessed (M3 x 0.5 x 7)	4	526-0257	4	Washer, Flat

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