



Parts Manual

Transfer Switch Model

OTEC

40/70/125 Amp

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 OTEC 40/70/125 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 – 12 VDC
A029	4-Pole Switch	M003	Terminal Block – 30 Points
A041	One Phase – 2 or 3 wire	M032	Relay – Elevator Signal
A042	Three Phase – 3 or 4 wire	M033	Genset Starting Battery – 12V DC
A044	Frequency – 60 Hz	M034	Genset Starting Battery – 24V DC
A045	Frequency – 50 Hz	N002	Terminal Block – Battery Charger Alarm
A046	Listing – UL	R020	Voltage – 120
B001	Cabinet – Type 1	R021	Voltage – 208
B002	Cabinet – Type 3R	R022	Voltage – 220
B003	Cabinet – Type 4	R023	Voltage – 240
B010	Cabinet – Type 12	R024	Voltage – 380
J030	Clock, Exercise – External	R025	Voltage – 416
K001	Battery Charger – 2 Amp, 12/24V	R026	Voltage – 480
K002	Battery Charger – 10 Amp, 12V	R026	Voltage – 480
K003	Battery Charger – 10 Amp, 24V	R027	Voltage – 600
L101	Auxiliary Relay – 24 VDC Coil	R035	Voltage – 440
L102	Auxiliary Relay – Emergency Position – 24 VDC	R038	Voltage – 190
L103	Auxiliary Relay – Normal Position – 24 VDC	S046	Current Rating – 40 Amps
L201	Auxiliary Relay – 12 VDC Coil	S047	Current Rating – 70 Amps
L202	Auxiliary Relay – Emergency Position – 12 VDC	S048	Current Rating – 125 Amps

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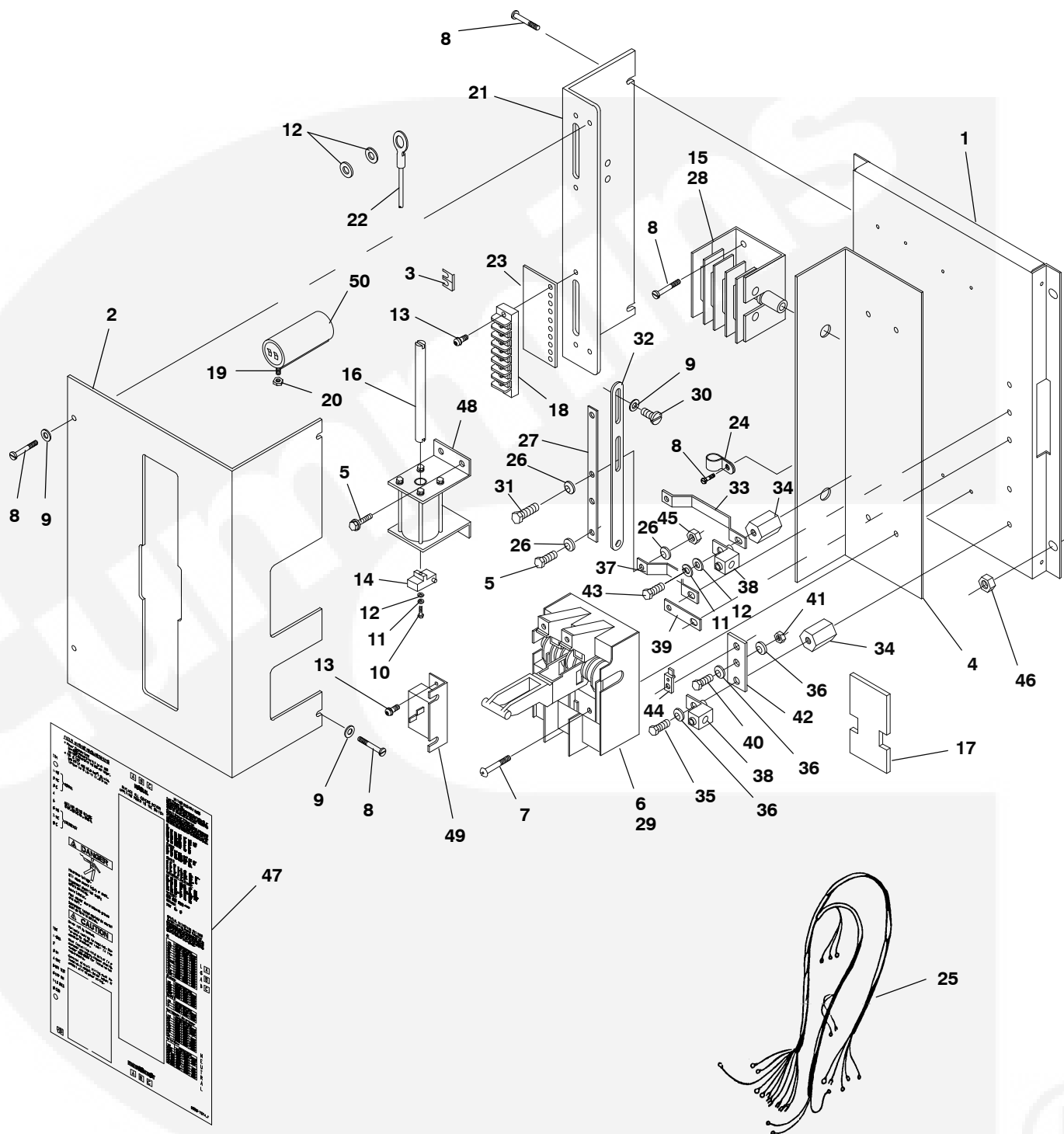
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Abbreviations

Some of the following abbreviations may be used throughout this Parts Catalog:

AC	Alternating Current	mm	Millimeter
Amp	Ampere	MOH	Mobile Off Highway
A/R	As Required	NFS	Not For Sale
AVR	Automatic Voltage Regulator	NPT	National Pipe Thread
AWG	American Wire Gauge	OD	Outside Diameter
CSA	Canadian Standard Association	oz.	Ounce
DC	Direct Current	PCB	Printed Circuit Board
Deg.	Degree	PDT	Form C Contacts
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	SCR	Silicon Controlled Rectifier
IEC	International Electrotechnical Commission	Spec	Specification
IT	Internal Tooth	Thk	Thick
kW	Kilowatt	UL	Underwriters Laboratories Inc.
LPG	Liquid Petroleum Gas	UNC	Union National Coarse
LT	Left	UNF	Union National Fine
M(meter number)	Meter	VAC	Volts Alternating Current
MCM	Metric Circular Mils	VDC	Volts Direct Current
		W/(ET, IT, EIT)	With

Transfer Switch



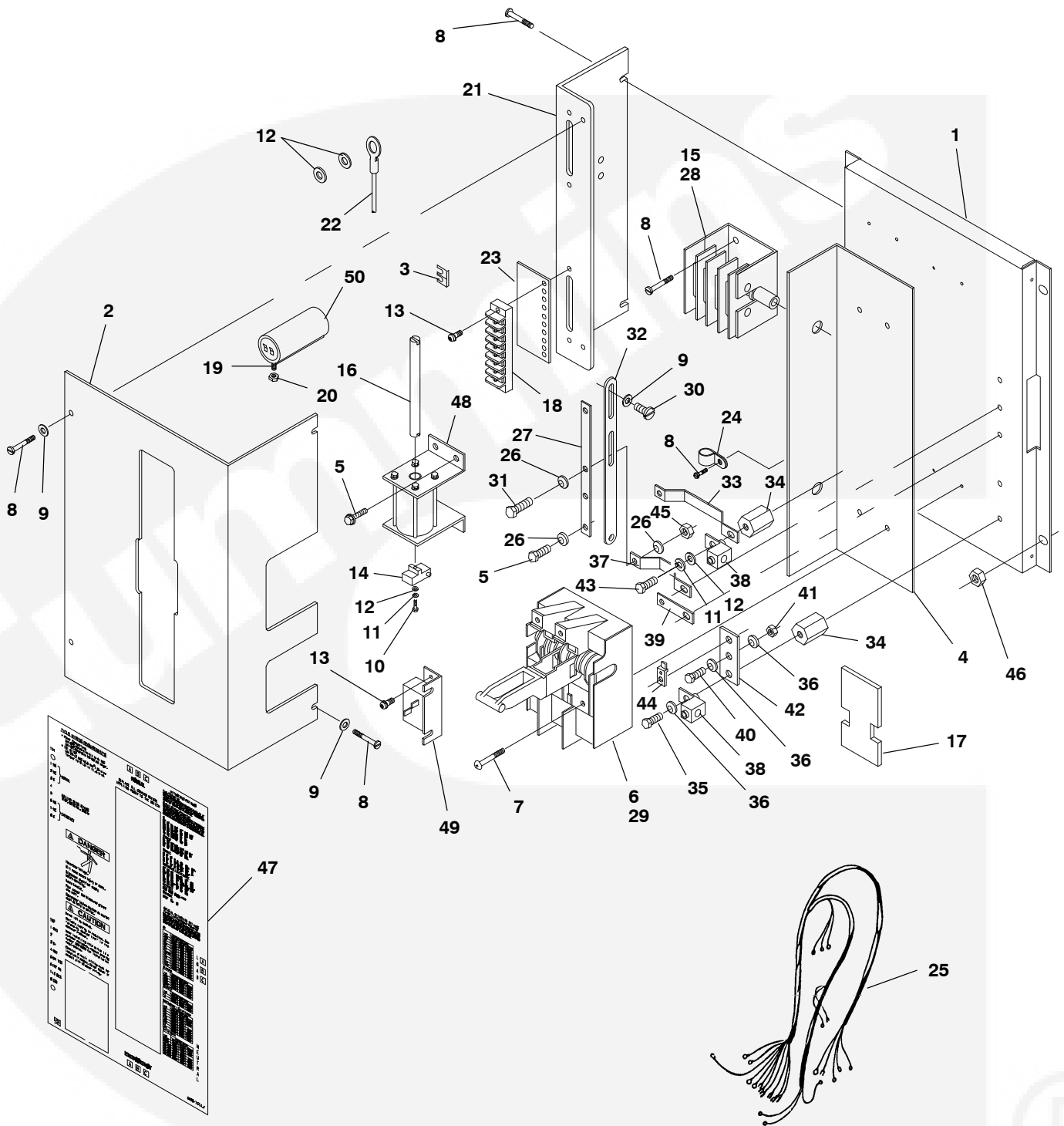
Transfer Switch

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Transfer Switch Assembly	20	870-0131	A/R	Nut, Hex – W/ET (#10-32)
			40 Amp	21	306-3394	1	Bracket, Terminal
	306-5023-S1	1	120 VAC	22	226-3380	1	Lead (380/416/440/480 VAC)
	306-5023-02	1	190 VAC	23	332-2903	2	Strip, Marker
	306-5023-03	1	208/220/240/600* VAC	24	332-2542	1	Clamp
	306-5023-04	1	380/416 VAC	25	338-3791	1	Harness, Transfer Switch
	306-5023-05	1	440/480 VAC	26	851-0031	9	Washer, Conical (#10)
			70 Amp	27	337-2314	3	Bar, Bus – Jumper
	306-5024-01	1	120 VAC	28	306-4746	1	Switch Assembly, Auxiliary – Normal (See Separate Page For Components)
	306-5024-02	1	190 VAC				
	306-5024-03	1	208/220/240/600* VAC				
	306-5024-04	1	380/416 VAC	29	306-5017-01	1	Block and Cross Bar Assembly – Normal
	306-5024-05	1	440/480 VAC				
			125 Amp	30	815-0538	2	Screw, Round Head – Cross Recessed – W/IT (#8-32 x .50)
	306-5025-01	1	120 VAC				
	306-5025-02	1	190 VAC	31	815-0180	3	Screw, Cap – Hex Head (#10-32 x .75)
	306-5025-S3	1	208/220/240/600* VAC				
	306-5025-04	1	380/416 VAC	32	306-3397	1	Bar, Interlock
	306-5025-05	1	440/480 VAC	33	337-2315	1	Bar, Bus – Load
1	306-3399	1	Base, Mounting	34	332-2370	5	Standoff, Insulator
2	306-3396	1	Cover, Switch	35	800-0004	5	Screw, Cap – Hex Head (1/4-20 x .62)
3	332-2605	1	Jumper, Terminal				
4	306-3403	1	Barrier, Base	36	851-0027	6	Washer, Conical (1/4)
5	821-0005	10	Screw, Self-Locking – Hex Washer Head (#10-32 x .50)	37	337-2316	1	Bar, Bus – Load
6	306-5017-02	1	Block and Cross Bar Assembly – Emergency	38	332-3084	6	Lug, Solderless
7	815-0653	4	Screw, Round Head – Cross Recessed (#10-32 x 1.75)	39	337-2313	1	Bar, Bus – Load
8	815-0652	15	Screw, Hex Head – Slotted – W/IT (#10-32 x .50)	40	800-0005	1	Screw, Cap – Hex Head (1/4-20 x .75)
9	526-0008	7	Washer, Flat (#10)	41	862-0001	1	Nut, Hex (1/4-20)
10	800-0008	2	Screw, Cap – Hex Head (1/4-20 x 1.25)	42	337-2317	1	Bar, Neutral
11	850-0040	7	Washer, Lock (1/4)	43	800-0003	5	Screw, Hex Head (1/4-20 x .50)
12	526-0018	9	Washer, Flat (1/4)	44	332-2366	1	Terminal
13	815-0651	6	Screw, Round Head – Cross Recessed (#6-32 x .75)	45	870-0053	3	Nut, Hex (#10-32)
14	306-3400-01	2	Rod-End, Actuator	46	870-0212	4	Nut, Self-Locking (1/4-20)
15	306-4747	1	Switch Assembly, Auxiliary – Emergency (See Separate Page For Components)	47	098-7674	1	Label, Cover
16	306-3395	1	Rod, Actuator				
17	306-1989	2	Barrier, Handle				
18	332-2832	2	Block, Terminal				
19	815-0029	A/R	Screw, Flat Head – Cross Recessed (#10-32 x .50)				

* Switch is actually 208 volts – A large transformer in the system reduces the 600 volt system voltage down to 208 volts.

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Transfer Switch

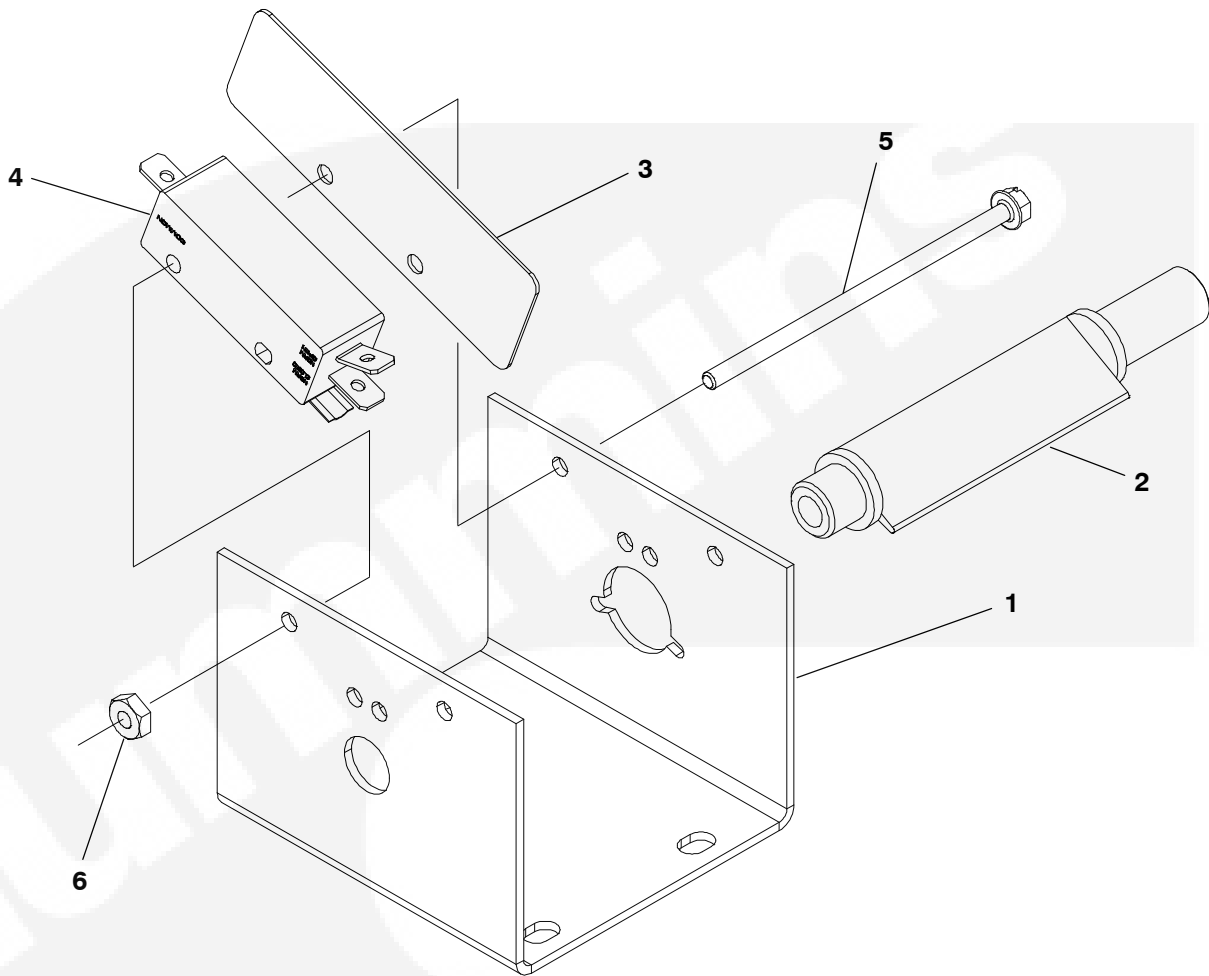


Transfer Switch

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...							
48			Actuator, Linear	50			Capacitor
			40 Amp				40 Amp
	306-3401-01	1	120 VAC		312-0257-03	1	120 VAC
	306-3401-02	1	190 VAC		312-0257-02	1	190 VAC
	306-3401-03	1	208/220/240/600* VAC		312-0203	1	208/220/240/600* VAC
	306-3401-05	1	380/416 VAC		312-0228	2	380/416 VAC
	306-3401-06	1	440/480 VAC		312-0257-01	2	440/480 VAC
			70 Amp				70 Amp
	306-3401-01	1	120 VAC		312-0257-03	1	120 VAC
	306-3401-02	1	190 VAC		312-0257-02	1	190 VAC
	306-3401-03	1	208/220/240/600* VAC		312-0203	1	208/220/240/600* VAC
	306-3401-05	1	380/416 VAC		312-0228	2	380/416 VAC
	306-3401-06	1	440/480 VAC		312-0257-01	2	440/480 VAC
			125 Amp				125 Amp
	306-3401-01	1	120 VAC		312-0257-03	1	120 VAC
	306-3401-02	1	190 VAC		312-0257-02	1	190 VAC
	306-3401-03	1	208/220/240/600* VAC		312-0203	1	208/220/240/600* VAC
	306-3401-05	1	380/416 VAC		312-0228	2	380/416 VAC
	306-3401-06	1	440/480 VAC		312-0257-01	2	440/480 VAC
49			Breaker, Circuit				
			40 Amp				
	320-0608	1	120 VAC				
	320-0606	1	190 VAC				
	320-0606	1	208/220/240/600* VAC				
	320-0876	1	380/416 VAC				
	320-0876	1	440/480 VAC				
			70 Amp				
	320-0608	1	120 VAC				
	320-0606	1	190 VAC				
	320-0606	1	208/220/240/600* VAC				
	320-0876	1	380/416 VAC				
	320-0876	1	440/480 VAC				
			125 Amp				
	320-0608	1	120 VAC				
	320-0606	1	190 VAC				
	320-0606	1	208/220/240/600* VAC				
	320-0876	1	380/416 VAC				
	320-0876	1	440/480 VAC				

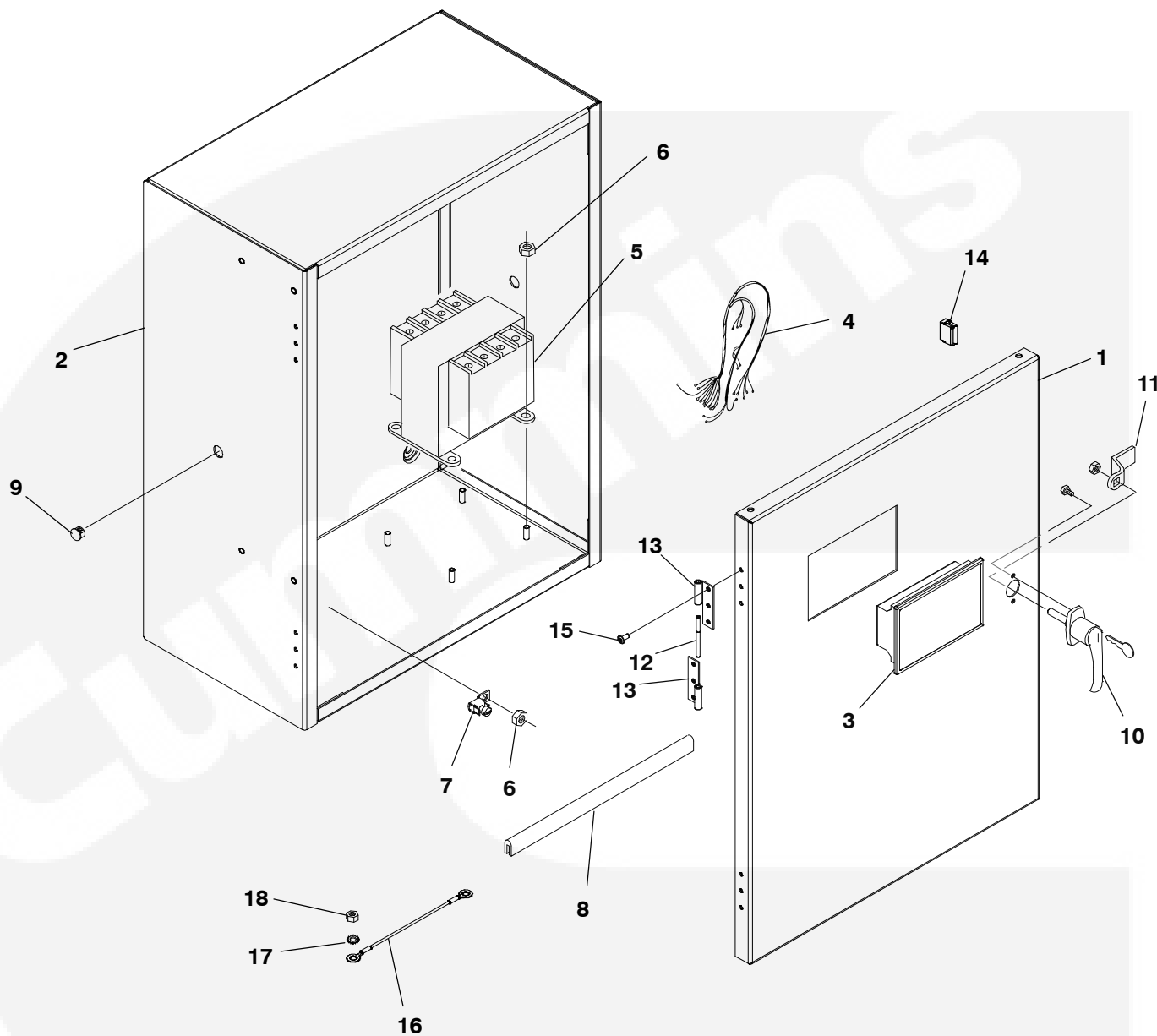
* Switch is actually 208 volts – A large transformer in the system reduces the 600 volt system voltage down to 208 volts.

Auxiliary Switch Assembly



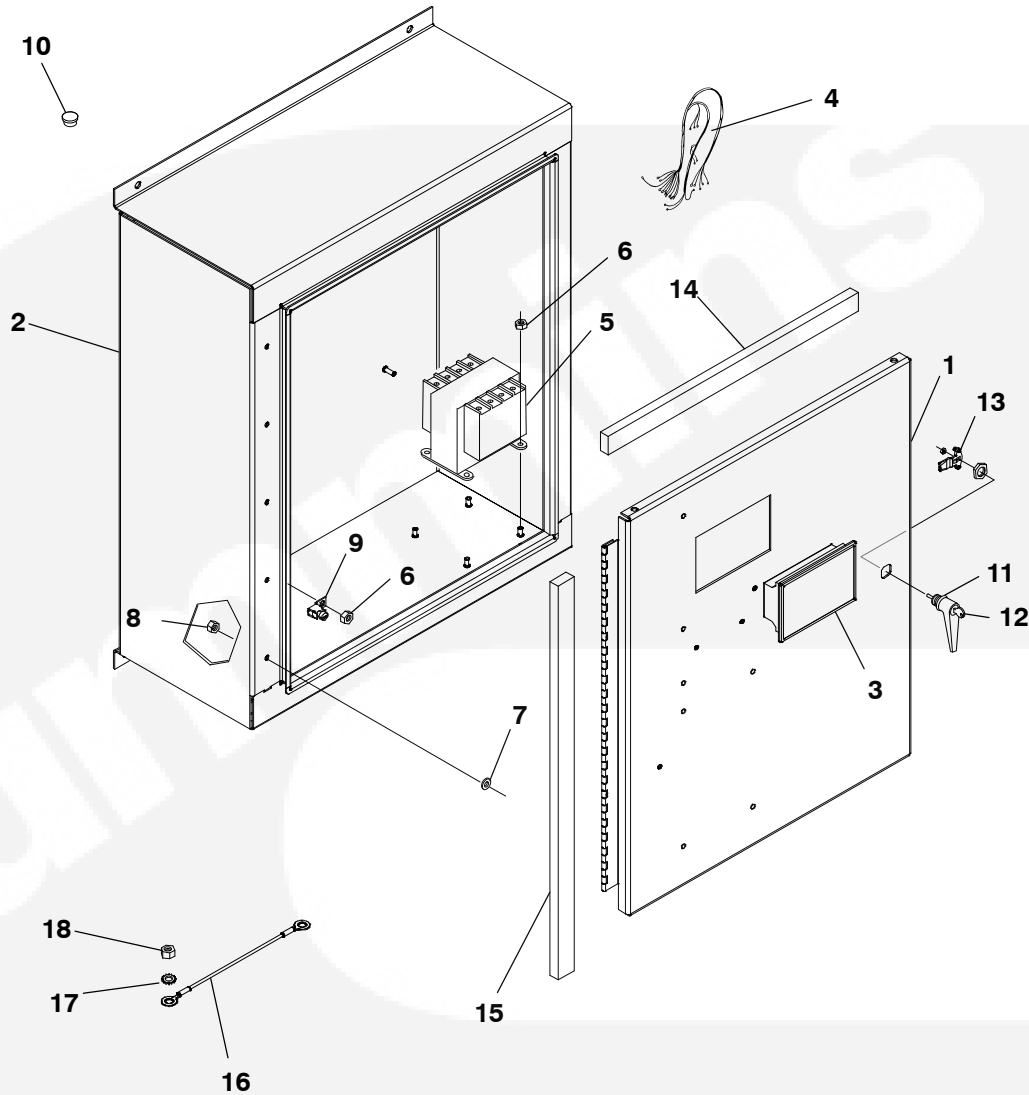
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-4746	1	Switch Assembly, Auxiliary	3	306-3391	5	Barrier, Switch
	306-4747	1	Normal	4	308-1166	4	Switch, Lever – Snap
1	306-4163	1	Emergency	5	815-0686	2	Screw, Machine – Hex Head (#6-32 x 3-1/4)
2	306-1993	1	Bracket, Switch – Auxiliary	6	870-0201	2	Nut, Lock (#6-32)
			Lever, Switch – Auxiliary				

Cabinet Type 1



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-5399-02	1	Door, Cabinet	8	508-1045	2	Edge, Protection
2	319-3856-02	1	Cabinet	9	517-0135	6	Plug, Hole
3	300-5889	1	Display, Control (Includes Gasket and Clips)	10	406-0809	1	Handle, Locking (Includes Hardware and 2 Keys)
	234-1032	1	Gasket, Cover	11	406-0933	1	Latch, Cam (1 Point)
	518-0731	2	Clip, Retaining	12	406-0966	2	Pin, Hinge
4			Harness, Main	13	406-0965	4	Blade, Liftoff Hinge
	338-4434	1	All Except 600 VAC	14	508-1186	2	Bumper
	338-4473	1	600 VAC	15	818-0231-02	12	Rivet, Pop
5	315-0662	1	Transformer, Power (600 VAC Only)	16	226-4916-01	1	Lead
6	870-0212	7	Nut, Self-Locking (1/4-20)	17	853-2005	2	Washer - W/ET (M5)
7	332-3647	3	Lug, Solderless (1/4")	18	860-2006	2	Nut, Hex (M5)

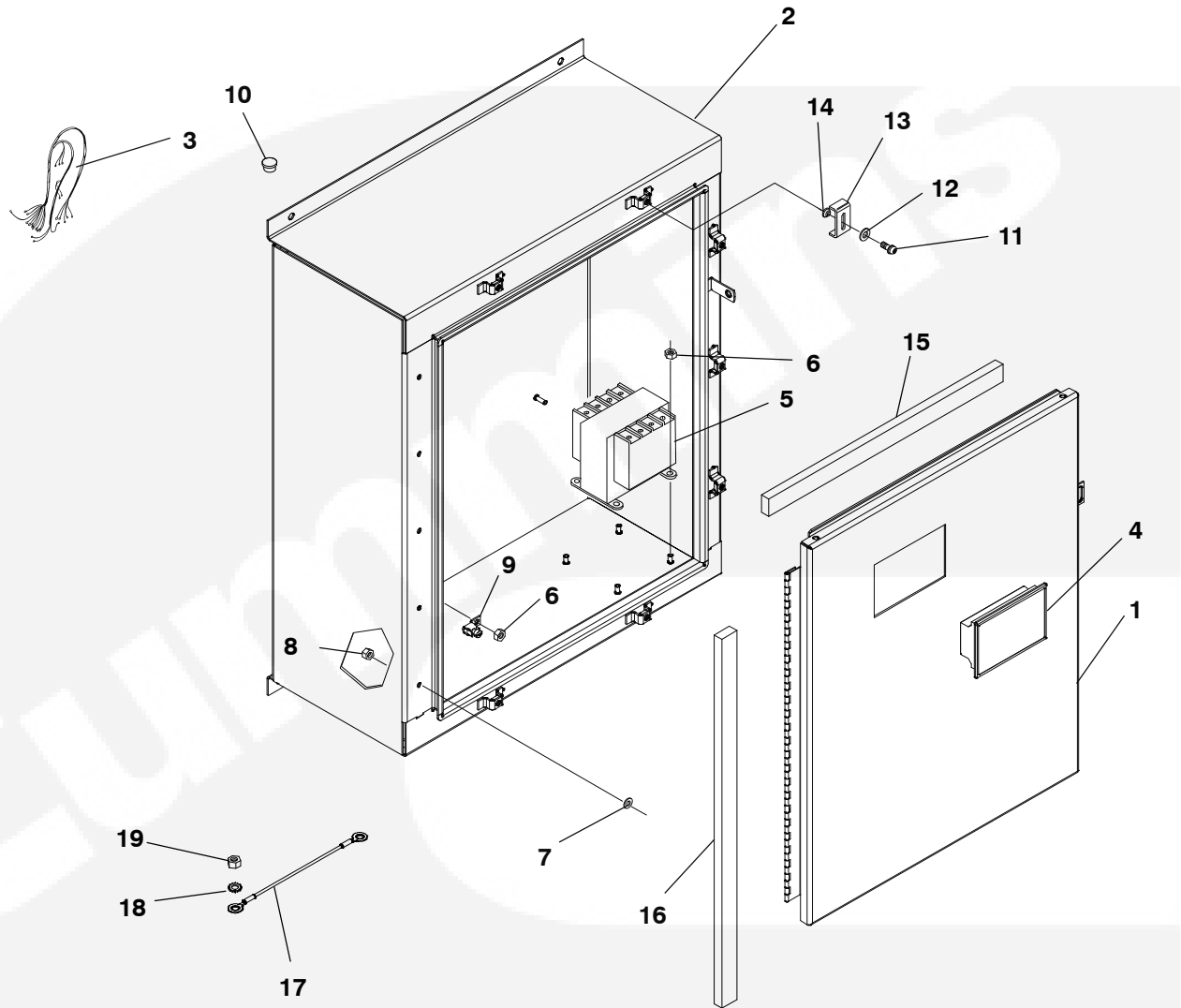
Cabinet Type 3R and 12



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-5436-02	1	Door, Cabinet
2			Cabinet
	319-3852-03	1	Type 3R
	319-3852-04	1	Type 12
3	300-5889	1	Display, Control (Includes Gasket and Clips)
	234-1032	1	Gasket, Cover
	518-0731	2	Clip, Retaining
4			Harness, Main
	338-4434	1	All Except 600 VAC
	338-4473	1	600 VAC
5	315-0662	1	Transformer, Power (600 VAC Only)

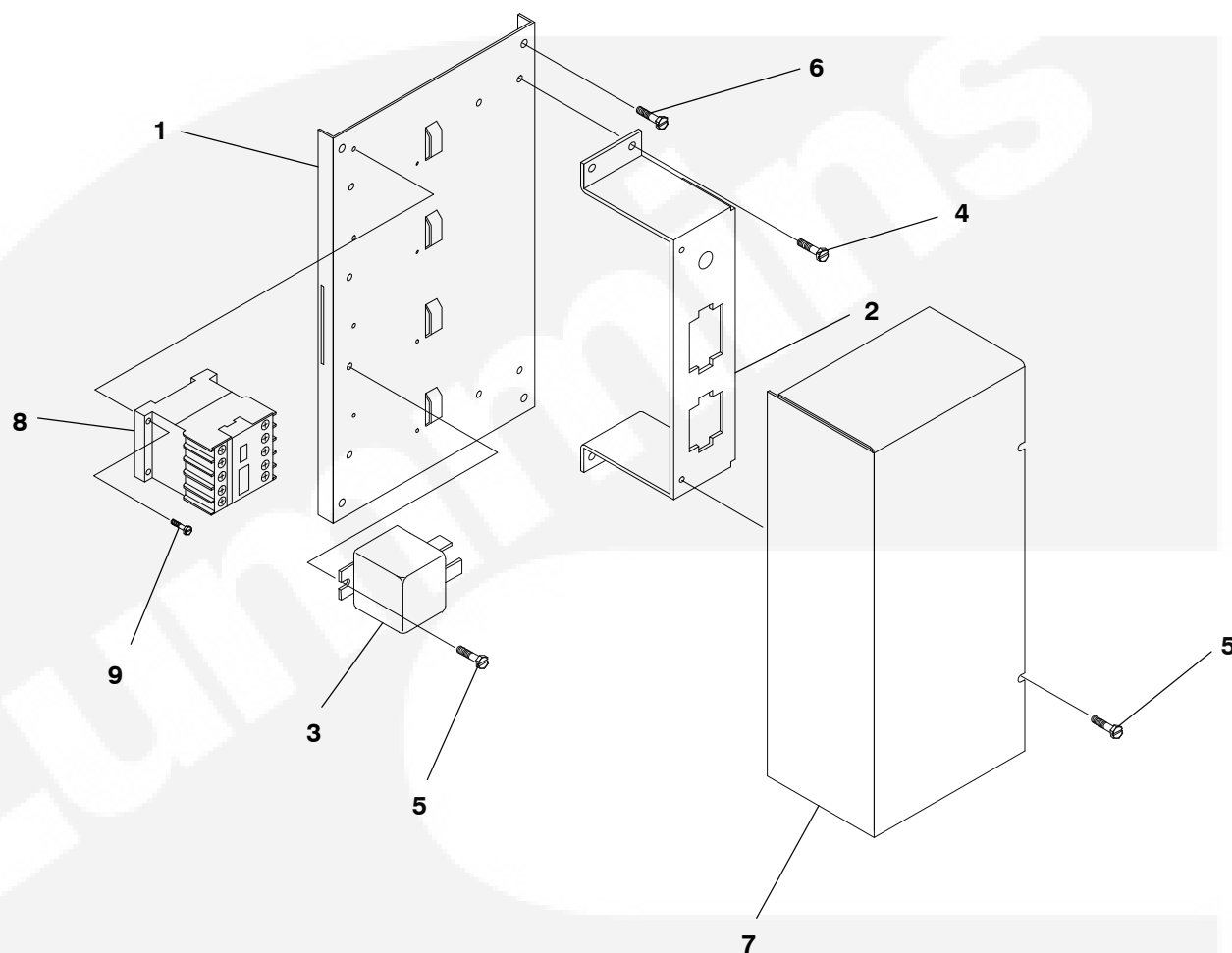
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	870-0212	7	Nut, Self-Locking (1/4-20)
7	508-0233	5	Washer, Rubber
8	870-0131	5	Nut, Hex - W/E/T (#10-32)
9	332-3647	3	Lug, Solderless (1/4")
10	517-0266	4	Plug, Hole
11	406-0613	1	Handle, Door (Includes Key)
12	406-0649	1	Key, Replacement
13	306-3525	1	Latch, Cam (3 Point)
14	895-0293-01	2	Gasket, Door
15	895-0293-02	2	Gasket, Door
16	226-4916-01	1	Lead
17	853-2005	2	Washer - W/ET (M5)
18	860-2006	2	Nut, Hex (M5)

Cabinet Type 4



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-5441-02	1	Door, Cabinet	8	870-0131	5	Nut, Hex - W/E/T (#10-32)
2	319-3859-02	1	Cabinet	9	332-3647	3	Lug, Solderless (1/4")
3			Harness, Main	10	517-0266	4	Plug, Hole
	338-4434	1	All Except 600 VAC	11	812-0177	7	Screw, Round Head (5/16-18 x .75)
	338-4473	1	600 VAC	12	526-0022	7	Washer, Flat (5/16)
4	300-5889	1	Display, Control (Includes Gasket and Clips)	13	301-6727	7	Bracket, Door
	234-1032	1	Gasket, Cover	14	406-0519	7	Spring, Conical
	518-0731	2	Clip, Retaining	15	895-0293-01	2	Gasket, Door
5	315-0662	1	Transformer, Power (600 VAC Only)	16	895-0293-02	2	Gasket, Door
6	870-0212	7	Nut, Self-Locking (1/4-20)	17	226-4916-01	1	Lead
7	508-0233	5	Washer, Rubber	18	853-2005	2	Washer - W/ET (M5)
				19	860-2006	2	Nut, Hex (M5)

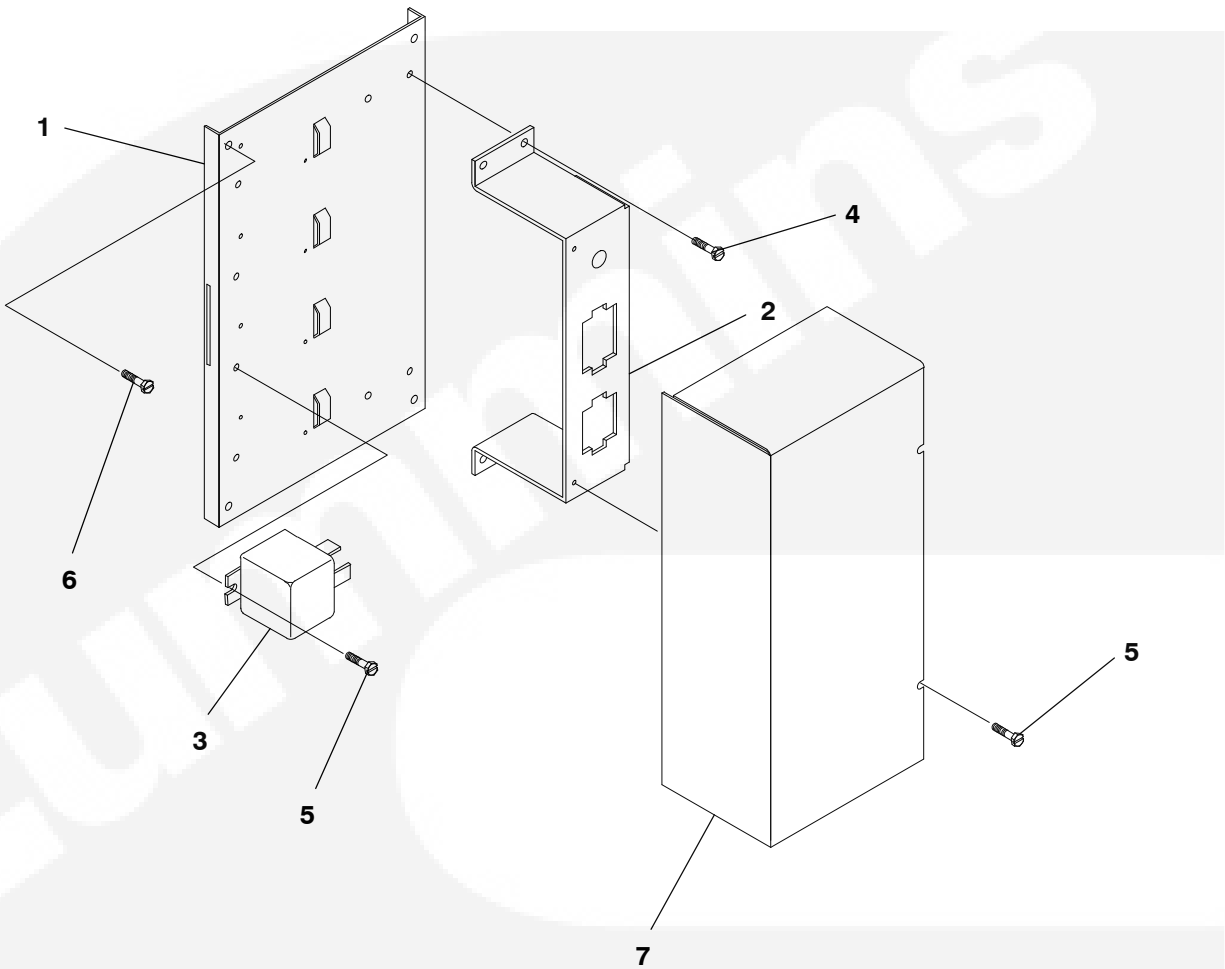
Accessory Control Plate 600 Volt



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3940-02	1	Plate, Relay
2	319-3941-02	1	Bracket, Connector
3			Relay - 3PDT
	307-2929	1	12VDC
	307-3054	1	24VDC
4	815-0955-03	4	Screw, Phillips/Hex Head - GND (M4 x 10)
5	815-0792-02	3	Screw, Pan Head - Crossed Recessed (M4 x 8)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	815-0960-03	4	Screw, Pan Head - Crossed Recessed (M4 x 10)
7	319-3942-02	1	Cover, Relay Plate
8			Relay, Control
	307-2931	2	12VDC
	307-3055	2	24VDC
9	815-0958-04	4	Screw, Pan Head - Cross Recessed (M3 x 12)

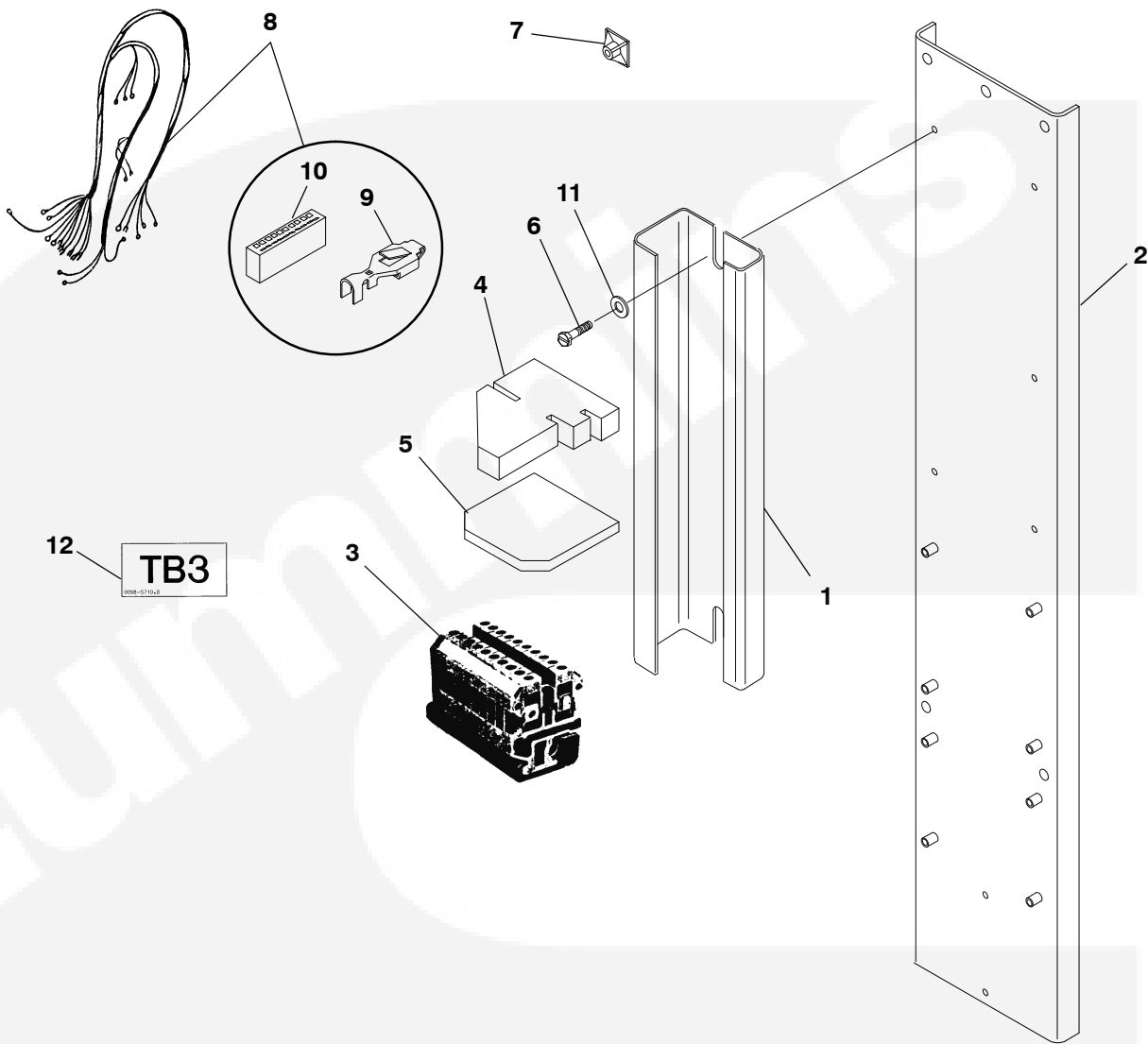
Accessory Control Plate Less than 600 Volt



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-3940-02	1	Plate, Relay
2	319-3941-02	1	Bracket, Connector
3			Relay - 3PDT
	307-2929	3	12VDC
	307-3054	3	24VDC
4	815-0955-03	4	Screw, Phillips/Hex Head - GND (M4 x 10)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	815-0792-02	5	Screw, Pan Head - Crossed Recessed (M4 x 8)
6	815-0960-03	4	Screw, Pan Head - Crossed Recessed (M4 x 10)
7	319-3942-02	1	Cover, Relay Plate

Battery Charger Alarm

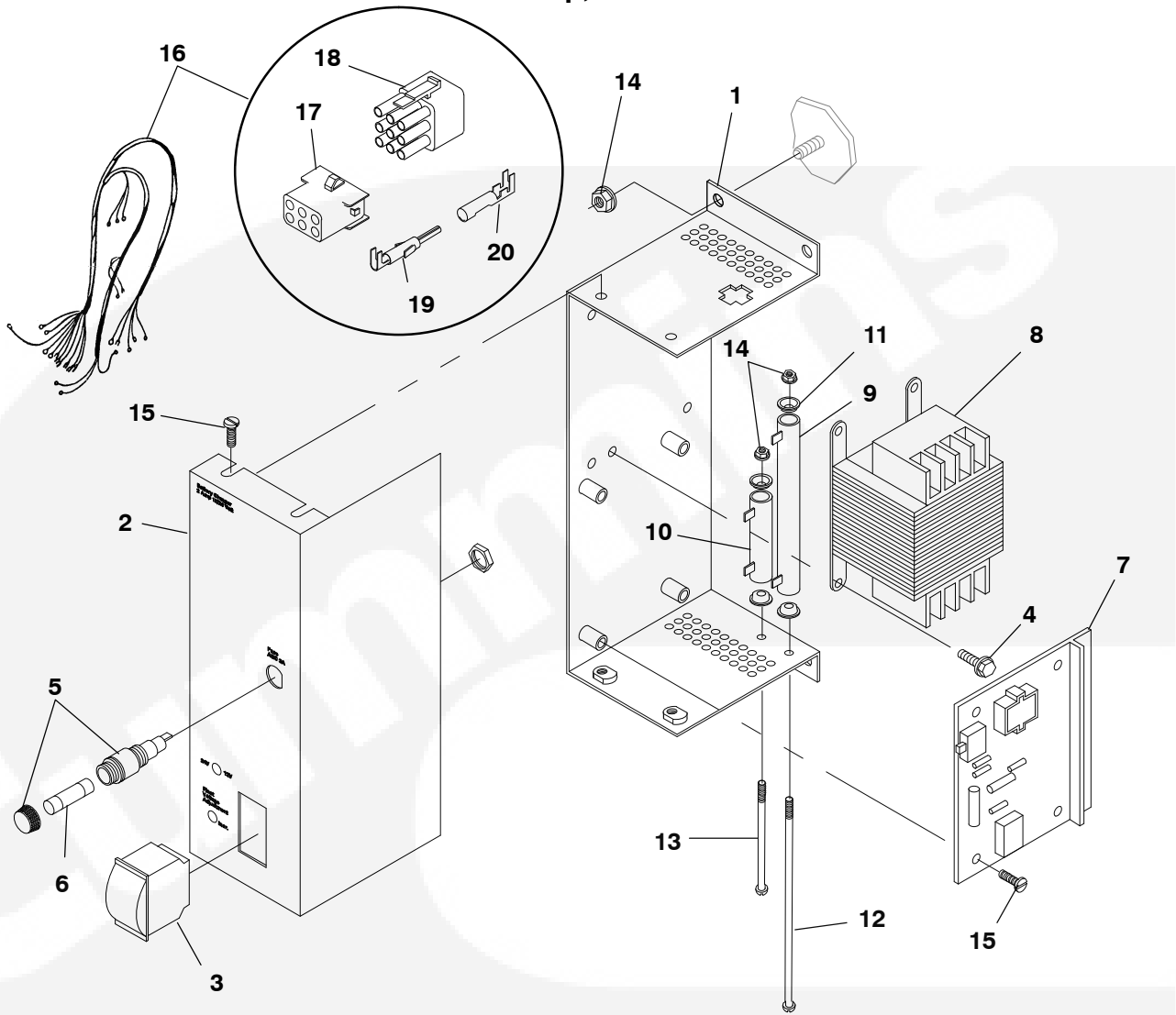


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	Rail, Terminal Block
2	319-3943-01	1	Plate, Mounting
3	332-2836-02	1	Block, Terminal (Sectional)
4	332-2839	2	Bracket, End - Terminal
5	332-2841	1	Plate, End - Terminal
6	815-0955-03	2	Screw, Phillips/Hex Head - GND (M4 x 10)
7	332-2420	A/R	Mount, Cable Tie
8	338-2349	1	Harness, Alarm (Includes Parts Marked *)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	323-1302	9	* Pin, Contact (J2)
10	323-1374-10	1	* Housing, Connector (10 Pin) (J2)
11	526-0003	2	Washer, Flat
12	098-5710	1	Label, Terminal Block

* - Parts Included in 338-2349 Wiring Harness

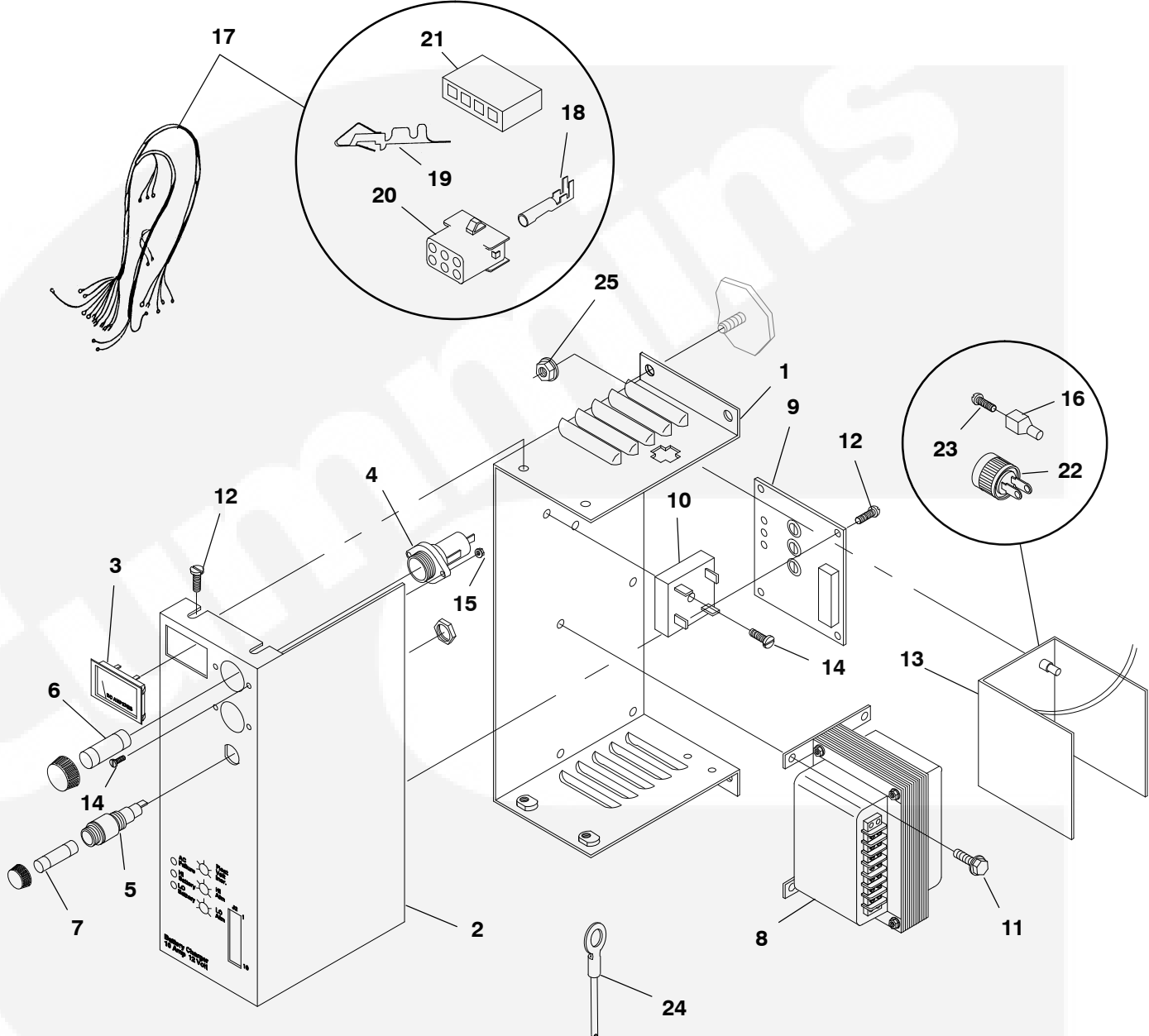
Battery Charger 2 Amp, 12/24 Volt



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9990	1	Wrapper, Charger – Battery	13	813-0112	1	Screw, Machine – Round Head (#10-32 x 2-1/2)
2	301-9991	1	Cover, Charger – Battery	14	870-0131	6	Nut, Hex – W/ET (#10-32)
3	302-0807	1	Ammeter, DC	15	815-0845	8	Screw, Pan Head – W/ET (#6-32 x 3/8)
4	821-0040	4	Screw, Machine – Locking Head Slotted (#10-32 x 5/16)	16	338-2149	1	Harness, Wiring (Includes Parts Marked #)
5	321-0175	1	Holder, Fuse	17	323-1318	1	*Cap, 6 pin (J6)
6	321-0153	1	Fuse, 3 Amp	18	323-1291	1	*Plug, 9 pin (P9)
7	300-2946	1	Board, Printed Circuit	19	323-1199	A/R	*Pin, Terminal
8			Transformer	20	323-1200	A/R	*Socket, Terminal
	315-0621-01	1	120 Volt				
	315-0621-02	1	208/240/480 Volt				
	315-0621-03	1	380/416 Volt				
	315-0621-04	1	600 Volt				
9	304-0037	1	Resistor, Fixed				
10	304-0139	1	Resistor, Fixed				
11	304-0015	4	Washer, Centering (7/32")				
12	813-0116	1	Screw, Machine – Round Head (#10-32 x 6-1/2)				

* – Parts Included in 338-2149 Wiring Harness

Battery Charger
10 Amp, 12 Volt



Battery Charger 10 Amp, 12 Volt

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0072	1	Wrapper, Charger – Battery	9	300-3160	1	PCB, Charger – Battery
2	319-0073	1	Cover, Charger – Battery	10	305-0653	1	Rectifier, Bridge
3	302-1844	1	Ammeter, DC	11	821-0040	4	Screw, Machine – Locking Head (#10-32 x 5/16)
4	321-0237	2	Holder, Fuse (AC Input)	12	815-0845	8	Screw, Pan Head – W/ET (#6-32 x 3/8)
5	321-0104	1	Holder, Fuse (DC Output)	13	305-0781	1	Rectifier Assembly – SCR (12 Volt) (Includes Parts Marked *)
6			Fuse	14	815-0539	6	Screw, Pan Head – W/ET (#8-32 x 5/8)
			50 Hertz	15	870-0221	5	Nut, Hex – W/ET (#8-32)
	321-0304-01	2	416/440 Volt	16	870-0263	4	*Nut, Insulated (#8)
	321-0304-02	2	380 Volt	17	338-2223	1	Harness, Battery Charger (Includes Parts Marked #)
	321-0304-03	2	240 Volt	18	323-1200	A/R	#Socket, Terminal
	321-0304-04	2	220 Volt	19	323-1302	A/R	#Pin, Terminal
			60 Hertz	20	323-1318	1	#Cap, 6 pin
	321-0304-01	2	480 Volt	21	323-1374-05	1	#Plug, 5 pin
	321-0304-02	2	380 Volt	22	364-0003	1	*Rectifier, Gate (SCR)
	321-0304-03	2	240 Volt	23	809-0035	4	*Screw, Sheet Metal – Round Head (#8 x 3/4)
	321-0304-04	2	208 Volt	24	226-3554-02	1	Lead (Quantity Used as Required)
	321-0304-05	2	120 Volt	25	870-0131	4	Nut, Hex – W/ET (#10-32)
	321-0303-02	2	600 Volt				
7	321-0127	1	Fuse (15 Amp)				
8			Transformer				
			50 Hertz				
	315-0702	1	380 Volt				
	315-0704	1	220/416/440 Volt				
	315-0712	1	240 Volt				
			60 Hertz				
	315-0700	1	120/208/240 Volt				
	315-0706	1	380 Volt				
	315-0708	1	480 Volt				
	315-0710	1	600 Volt				

– Parts Included in 338-2223 Wiring Harness

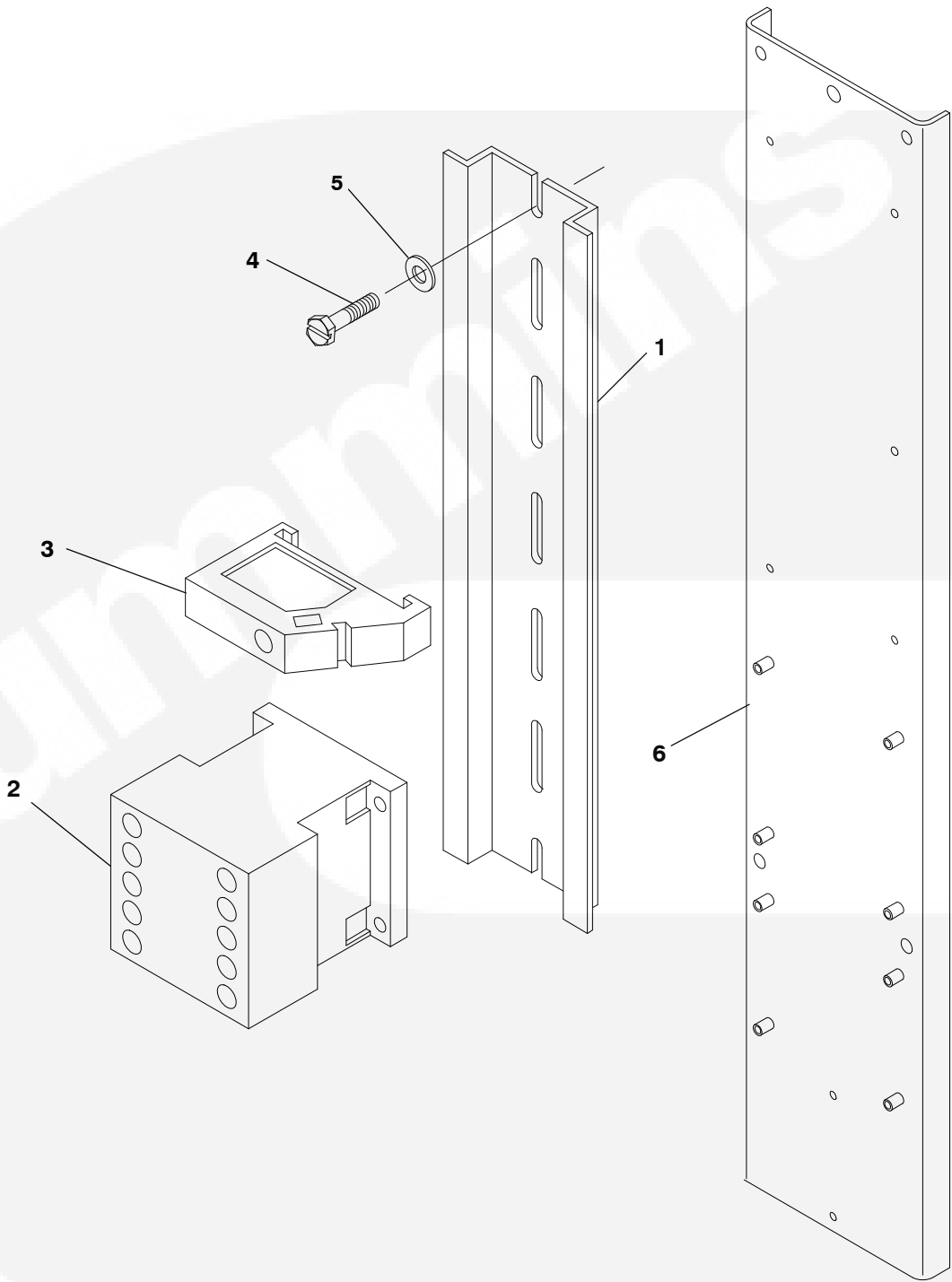
* – Parts Included in 305-0781 Rectifier Assembly

Battery Charger 10 Amp, 24 Volt

Battery Charger 10 Amp, 24 Volt

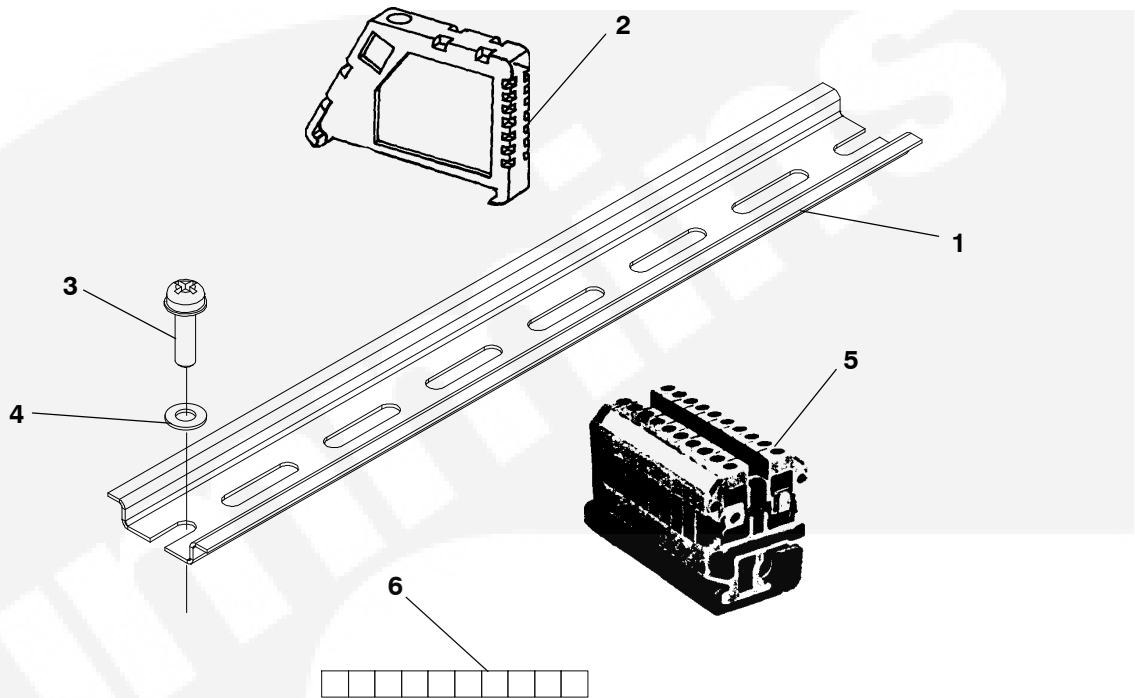
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0072	1	Wrapper, Charger – Battery	9	300-3244	1	PCB, Charger – Battery
2	319-0073	1	Cover, Charger – Battery (Includes Silkscreen)	10	305-0653	1	Rectifier, Bridge
3	302-1844	1	Ammeter, DC	11	821-0040	4	Screw, Machine – Locking Head (#10-32 x 5/16)
4	321-0237	2	Holder, Fuse (AC Input)	12	815-0845	8	Screw, Pan Head – W/ET (#6-32 x 3/8)
5	321-0104	1	Holder, Fuse (DC Output)	13	305-0781	1	Rectifier Assembly – SCR (12 Volt) (Includes Parts Marked *)
6			Fuse 50 Hertz 380/416/440 Volt	14	815-0539	6	Screw, Pan Head – W/ET (#8-32 x 5/8)
	321-0304-04	2	240 Volt	15	870-0221	5	Nut, Hex – W/ET (#8-32)
	321-0304-05	2	220 Volt	16	870-0263	4	*Nut, Insulated (#8)
	321-0304-06	2	60 Hertz 600 Volt	17	338-2223	1	Harness, Battery Charger (Includes Parts Marked #)
	321-0303-02	2	480 Volt	18	323-1200	A/R	#Socket, Terminal
	321-0304-03	2	380 Volt	19	323-1302	A/R	#Pin, Terminal
	321-0304-04	2	380 Volt	20	323-1318	1	#Cap, 6 pin
	321-0304-05	2	240 Volt	21	323-1374-05	1	#Plug, 5 pin
	321-0304-06	2	120/208 Volt	22	364-0003	1	*Rectifier, Gate (SCR)
7	321-0127	1	Fuse (15 Amp)	23	809-0035	4	*Screw, Sheet Metal – Round Head (#8 x 3/4)
8			Transformer 50 Hertz 220/416/440 Volt	24	226-3554-02	1	Lead (Quantity Used as Required)
	315-0705	1	380 Volt	25	870-0131	4	Nut, Hex – W/ET (#10-32)
	315-0703	1	240 Volt	# – Parts Included in 338-2223 Wiring Harness			
	315-0713	1	60 Hertz 120/208/240 Volt	* – Parts Included in 305-0781 Rectifier Assembly			
	315-0701	1	380 Volt				
	315-0707	1	480 Volt				
	315-0709	1	600 Volt				
	315-0711	1					

Elevator Signal and Auxiliary Relay



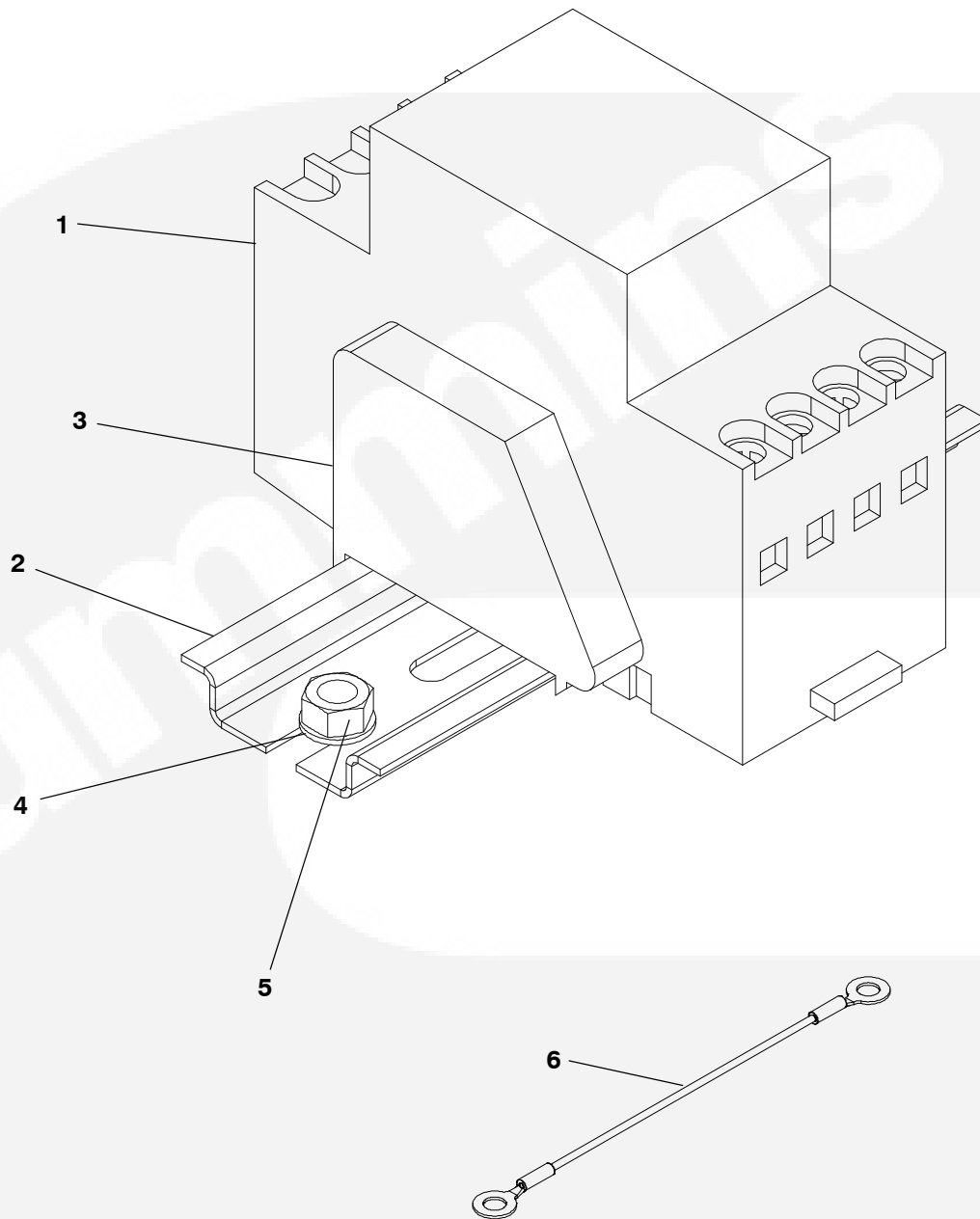
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-04	1	Rail, Terminal	4	815-0955-03	2	Screw, Phillips/Hex Head –
2	307-2873	1	Relay, Control				GND (M4 x 10)
	307-2874	1	12 VDC	5	526-0003	2	Washer, Flat
			24 VDC	6	319-3943-01	1	Plate, Mounting
3	332-2878	2	Bracket, End				

Terminal Block



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-04	1	Rail, Terminal Block	5	332-2836-02	3	Block, Terminal – Sectional
2	332-2878	2	Bracket, End – Terminal	6			Tag, Terminal
3	815-0955-03	2	Screw, Cap – Hex Head – Phillips (M4 x 10)		332-2842-11	1	1-10
4	526-0003	2	Washer, Flat		332-2842-12	1	11-20
					332-2842-13	1	21-30

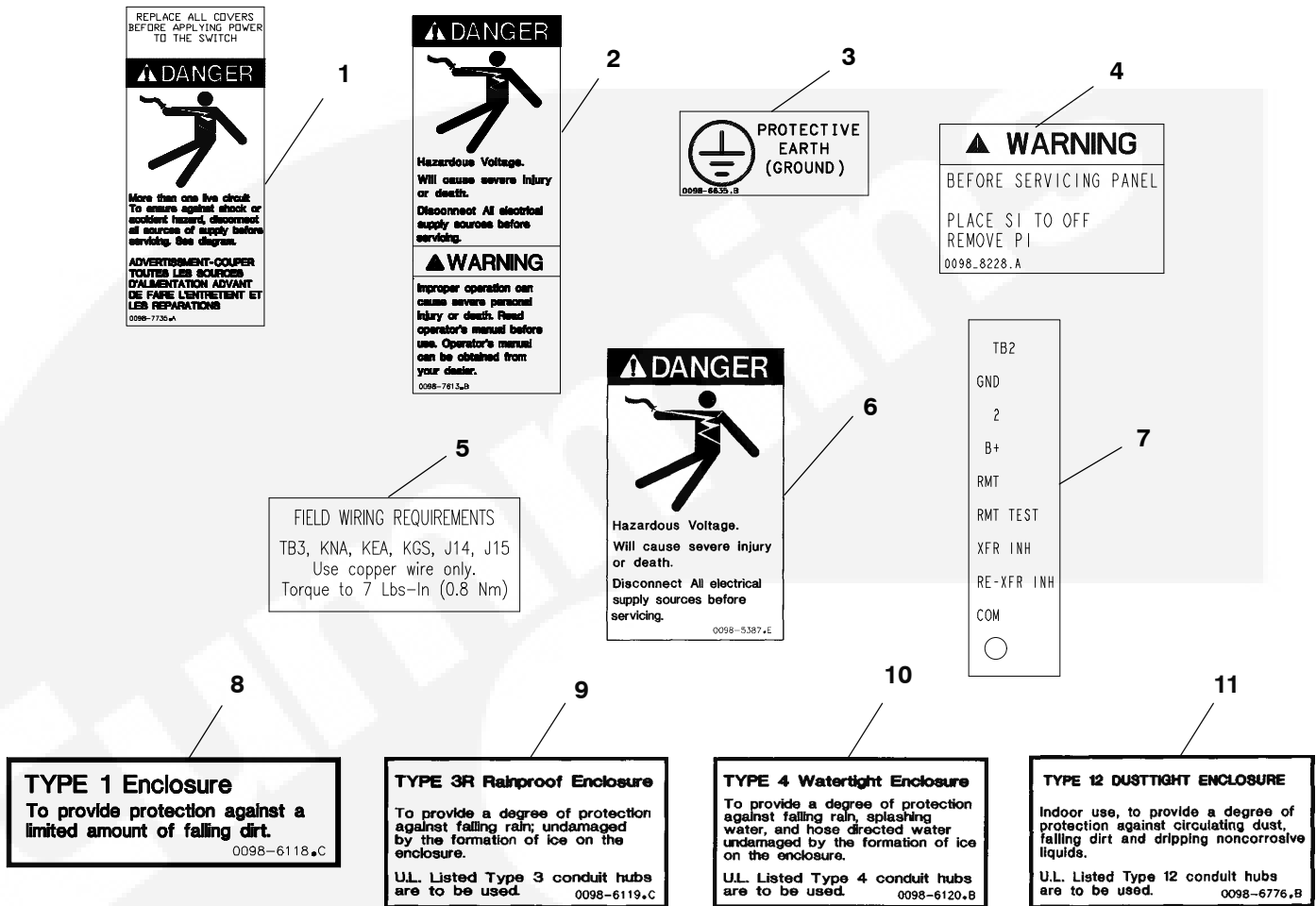
Exercise Clock



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-3053	1	Clock, Exercise
2	332-2879-07	1	Rail, Terminal
3	332-2878	2	Bracket, End – Terminal
4	526-0003	2	Washer, Flat (3/16)
5	862-0026-53	2	Nut, Hex (M5)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6			Lead
	226-4925-02	1	“L”
	226-4925-03	1	“N/O”
	226-4925-04	1	“C”
	226-4925-05	1	“N”

Labels



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-7735	1	Label, Danger	7	098-8257	1	Label, Information
2	098-7613	1	Label, Danger/Warning	8	098-6118	1	Label, Cabinet – Type 1
3	098-6635	1	Label, Ground	9	098-6119	1	Label, Cabinet – Type 3R
4	098-8228	1	Label, Warning	10	098-6120	1	Label, Cabinet – Type 4
5	098-7621	1	Label, Torque	11	098-6776	1	Label, Cabinet – Type 12
6	098-5387	1	Label, Danger				

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Cummins Power Generation

1400 73rd Ave. NE
Minneapolis, MN 55432 USA

Phone 1 763 574 5000

Toll-free 1 800 888 6626

Fax 1 763 574 5298

Email ask.powergen@cummins.com

www.cumminspower.com

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