

Parts Manual

Transfer Switch

600-1000 Amps

BTPCD (Spec A)

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 BTPC 600/800/1000 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	L201	Auxiliary Relay – 12 VDC Coil
A029	4-Pole Switch	L202	Auxiliary Relay – Emergency Position – 12 VDC
A035	Utility to Generator Set Applications	L203	Auxiliary Relay – Normal Position – 12 VDC
A036	Utility to Utility Applications	M003	Terminal Block – 30 Points
A041	One Phase – 2 or 3 wire	M007	Load Shed
A042	Three Phase – 3 or 4 wire	M017	Security – Front Panel
A044	Frequency – 60 Hz	M018	Display – Digital
A045	Frequency – 50 Hz	M020	Communications – Lonworks
A046	Listing – UL	M022	Monitoring – Load
A064	Listing – UL/NFPA-20	M023	Module – Relay Signal
B001	Cabinet – Type 1	N002	Terminal Block – Battery Charger Alarm
B002	Cabinet – Type 3R	N009	Bus Stubs Connection
B003	Cabinet – Type 4	R021	Voltage – 208
B004	Construction – Open	R022	Voltage – 220
B010	Cabinet – Type 12	R023	Voltage – 240
B025	Cabinet – Type 4X	R024	Voltage – 380
C024	Control – Level 2	R025	Voltage – 416
D009	Meters – Bar Graph Display	R026	Voltage – 480
K001	Battery Charger – 2 Amp, 12/24V	R027	Voltage – 600
K002	Battery Charger – 10 Amp, 12V	R035	Voltage – 440
K003	Battery Charger – 10 Amp, 24V	R038	Voltage – 190
L101	Auxiliary Relay – 24 VDC Coil	S054	Current Rating – 600 Amps
L102	Auxiliary Relay – Emergency Position – 24 VDC	S055	Current Rating – 800 Amps
L103	Auxiliary Relay – Normal Position – 24 VDC	S056	Current Rating – 1000 Amps

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Index

A

Actuator, Linear – Transfer Switch, **8**
Alarm, Battery Charger, **48**
Ammeter – DC – 10 Amp, 12 Volt Battery Charger, **43**
Ammeter – DC – 10 Amp, 24 Volt Battery Charger, **45**
Ammeter – DC – 2 Amp, 12/24 Volt Battery Charger, **41**

B

Bar, Neutral – 600 Amps, **26**
Bar, Neutral – 800/1000 Amp, **27**
Bar, Support, **11**
Barrier, Base, **11**
Barrier, Switch, **11** , **30**
Block Assembly, Strap – Line, **25**
Block, Mounting – Line Strap, **25**
Block, Terminal, **54**
Block, Terminal – Battery Charger Alarm, **48**
Block, Terminal – Network Module, **55**
Block, Terminal – Retransfer Inhibit, **56**
Board, Printed Circuit – 10 Amp, 12 Volt Battery Charger, **43**
Board, Printed Circuit – 10 Amp, 24 Volt Battery Charger, **45**
Board, Printed Circuit – 2 Amp, 12/24 Volt Battery Charger, **41**
Board, Printed Circuit – Current Transformer Module, **51**
Board, Printed Circuit – Network Module, **55**
Board, Printed Circuit – Relay Module, **53**
Bracket, Actuator, **24**
Bracket, End – Auxiliary Relay, **40** , **48**
Bracket, End – Terminal – Network Module, **55**
Bracket, End – Terminal – Retransfer Inhibit, **56**
Bracket, Indicator, **11**
Bracket, Solenoid, **24**
Bracket, Stop, **24**
Bracket, Switch – Auxiliary, **30**

C

Cabinet – Type 1, **33**
Cabinet – Type 12, **37**
Cabinet – Type 3R, **35**
Cabinet – Type 4, **37**
Cabinet – Type 4X, **37**
Charger, Battery – 10 Amp, 12 Volt, **43**
Charger, Battery – 10 Amp, 24 Volt, **45**
Charger, Battery – 15 Amp, **47**
Charger, Battery – 2 Amp, **46**
Charger, Battery – 2 Amp, 12/24 Volt, **41**
Cover, Bar Graph Display – Blank, **49**
Cover, Bypass Operator, **24**
Cover, Charger – 10 Amp, 12 Volt Battery Charger, **43**
Cover, Charger – 10 Amp, 24 Volt Battery Charger, **45**
Cover, Charger – 2 Amp, 12/24 Volt Battery Charger, **41**
Cover, End – Base, **11**

F

Frame, Bypass, **23**
Fuse – 10 Amp, 12 Volt Battery Charger, **43**
Fuse – 10 Amp, 24 Volt Battery Charger, **45**
Fuse – 2 Amp, 12/24 Volt Battery Charger, **41**

H

Handle, Actuator – Bypass Operator, **24**
Handle, Actuator – Transfer Switch, **31**
Harness, Wiring – 10 Amp, 12 Volt Battery Charger, **43**
Harness, Wiring – 10 Amp, 24 Volt Battery Charger, **45**
Harness, Wiring – 2 Amp, 12/24 Volt Battery Charger, **41**
Harness, Wiring – Battery Charger Alarm, **48**
Harness, Wiring – Current Transformer Module, **51**
Harness, Wiring – Load Shed, **53**

Index

Harness, Wiring – Network Module, **55**
Harness, Wiring – Transfer Switch, **11**
Holder, Fuse – 10 Amp, 12 Volt Battery Charger, **43**
Holder, Fuse – 10 Amp, 24 Volt Battery Charger, **45**
Holder, Fuse – 2 Amp, 12/24 Volt Battery Charger, **41**

L

Link, Plunger, **24**
Load Shed, **53**
Lug, Solderless – 600 Amp, **28**
Lug, Solderless – 800/1000 Amp, **29**

M

Module, Current Transformer, **51**
Module, Network, **55**

O

Operator Assembly, Bypass, **24**

P

Plate, Indicator, **24**
Plate, End – Terminal – Network Module, **55**
Plate, End – Terminal – Retransfer Inhibit, **56**
Plate, Indicating, **11**
Plate, Mounting – Battery Charger Alarm, **48**
Plate, Mounting – Current Transformer Module, **51**
Plate, Mounting – Load Shed, **53**
Plate, Open Construction, **39**
Plunger, **24**

R

Rail, Terminal – Auxiliary Relay, **40** , **48**
Rail, Terminal Block – Network Module, **55**

Rail, Terminal Block – Retransfer Inhibit, **56**
Rectifier, Bridge – 10 Amp, 12 Volt Battery Charger, **43**
Rectifier, Bridge – 10 Amp, 24 Volt Battery Charger, **45**
Rectifier, Gate – 10 Amp, 12 Volt Battery Charger, **43**
Rectifier, Gate – 10 Amp, 24 Volt Battery Charger, **45**
Relay – Load Shed, **53**
Relay, Auxiliary, **40**
Relay, Control – Auxiliary Relay, **40**
Resistor, Fixed – 2 Amp, 12/24 Volt Battery Charger, **41**
Retransfer Inhibit, **56**

S

Sleeving, Wheel, **11**
Solenoid, Bypass Actuator, **24**
Spacer, Strap – Line, **25**
Spring, Plunger, **24**
Spring, Solenoid, **24**
Strap, Line, **25**
Switch Assembly, Auxiliary, **30**
Switch Assembly, Transfer, **11**
Switch, Bypass, **23**
Switch, Bypass – 3–Pole Front Connect, **15**
Switch, Bypass – 3–Pole Rear Connect, **17**
Switch, Bypass – 4–Pole Front Connect, **19**
Switch, Bypass – 4–Pole Rear Connect, **21**
Switch, Selector – Security, **57**
Switch, Snap–Action, **30**

T

Transfer Switch Assembly, **8**
Transformer – 10 Amp, 12 Volt Battery Charger, **43**
Transformer – 10 Amp, 24 Volt Battery Charger, **45**
Transformer – 2 Amp, 12/24 Volt Battery Charger, **41**

Index

Transformer, Current, **51**

Transformer, Power – 600 Volt, **52**

W

Wheel, Bypass, **11**

Wrapper, Charger – 2 Amp, 12/24 Volt Battery
Charger, **41**

Wrapper, Charger – 10 Amp, 12 Volt Battery
Charger, **43**

Wrapper, Charger – 10 Amp, 24 Volt Battery
Charger, **45**



Abbreviations

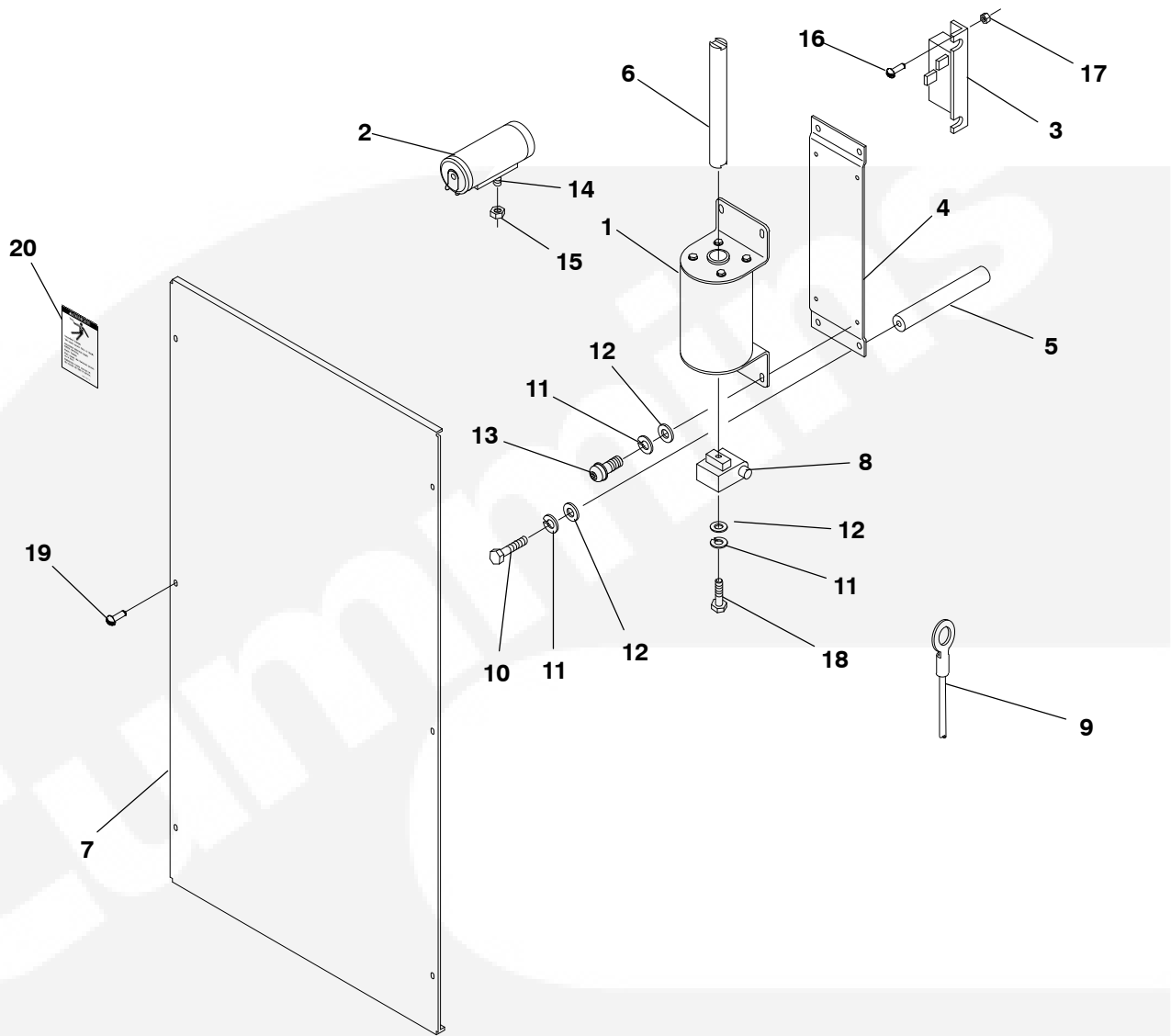
Some of the following abbreviations may be used throughout this Parts Catalog:

AC	Alternating Current	MCM	Metric Circular Mils
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 Assembly

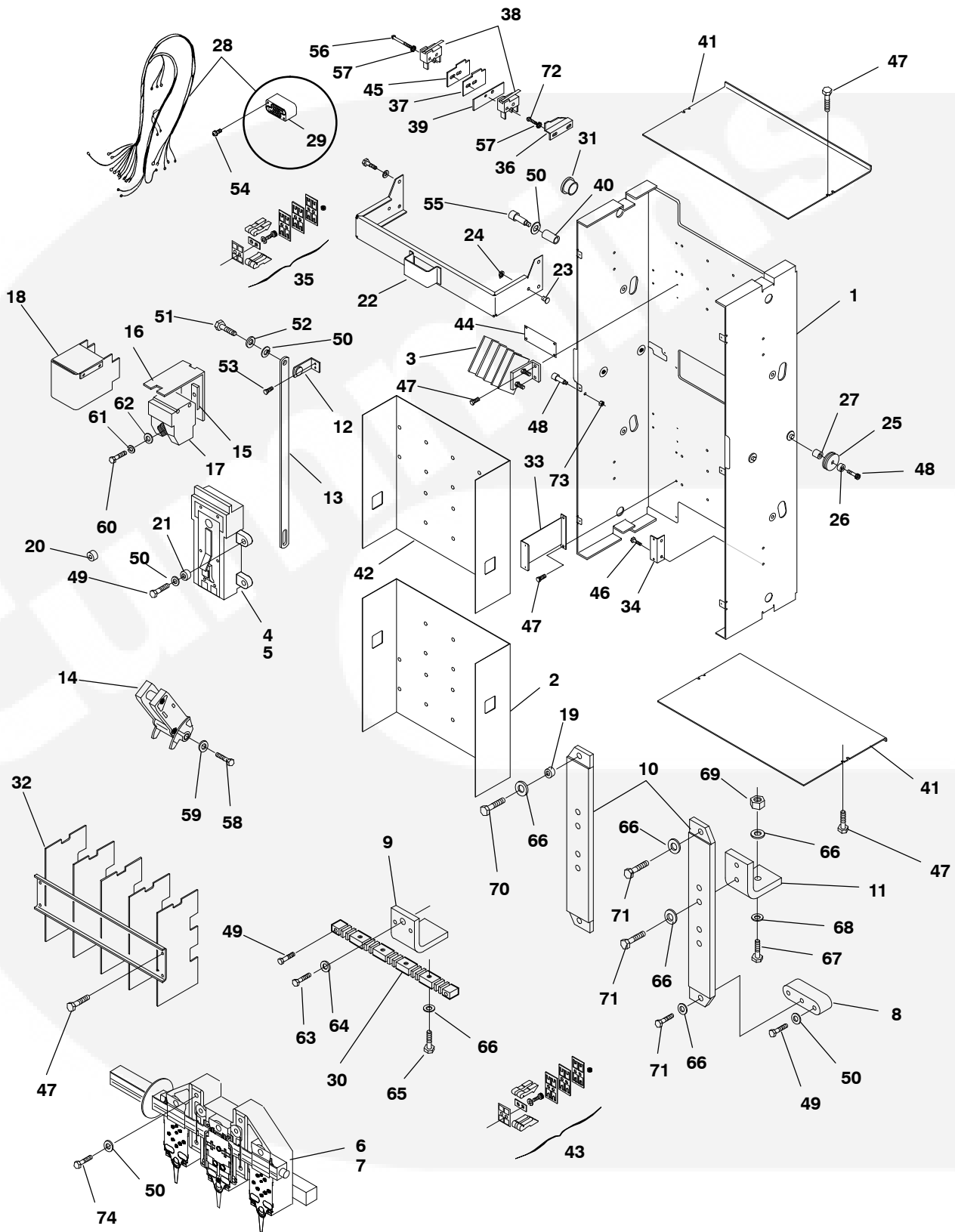


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Actuator, Linear	8	306-3400-02	2	Rod End, Actuator
	306-3448-02	1	190 VAC	9	226-3380	2	Lead
	306-3448-03	1	208 VAC	10	800-0185	4	Screw, Cap - Hex Head (1/4-20 x 5.50)
	306-3448-04	1	220/240 VAC	11	850-0040	10	Washer, Lock (1/4)
	306-3448-06	1	380/416 VAC	12	526-0018	10	Washer, Flat (1/4)
	306-3448-07	1	440/480 VAC	13	815-0290	4	Screw, Cap - Hex Head (1/4-20 x .625)
2			Capacitor	14	815-0029	4	Screw, Flat Head - Cross Recessed (#10-32 x .50)
	312-0234	2	190 VAC	15	870-0131	4	Nut, Hex - W/ET (#10-32)
	312-0233	2	208 VAC	16	812-0062	2	Screw, Round Head (#6-32 x 7/16)
	312-0206	2	220/240 VAC	17	870-0183	2	Nut, Hex - W/ET (#6-32)
	312-0218	2	380/416 VAC	18	800-0008	2	Screw, Cap - Hex Head (1/4-20 x 1.25)
	312-0206	2	440/480 VAC	19	815-0652	6	Screw, Hex Head - Slotted (#10-32 x .50)
3			Breaker, Circuit	20	098-6917	1	Label, Danger
	320-0612	1	190/208/220/240 VAC				
	320-0611	1	380/416/440/480 VAC				
4	306-3898-01	1	Bracket, Actuator - Mounting				
5	306-2276	4	Spacer, Actuator - Mounting				
6	306-3897	1	Rod, Actuator				
7	306-3834	1	Cover, Transfer Switch				

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Transfer Switch Assembly

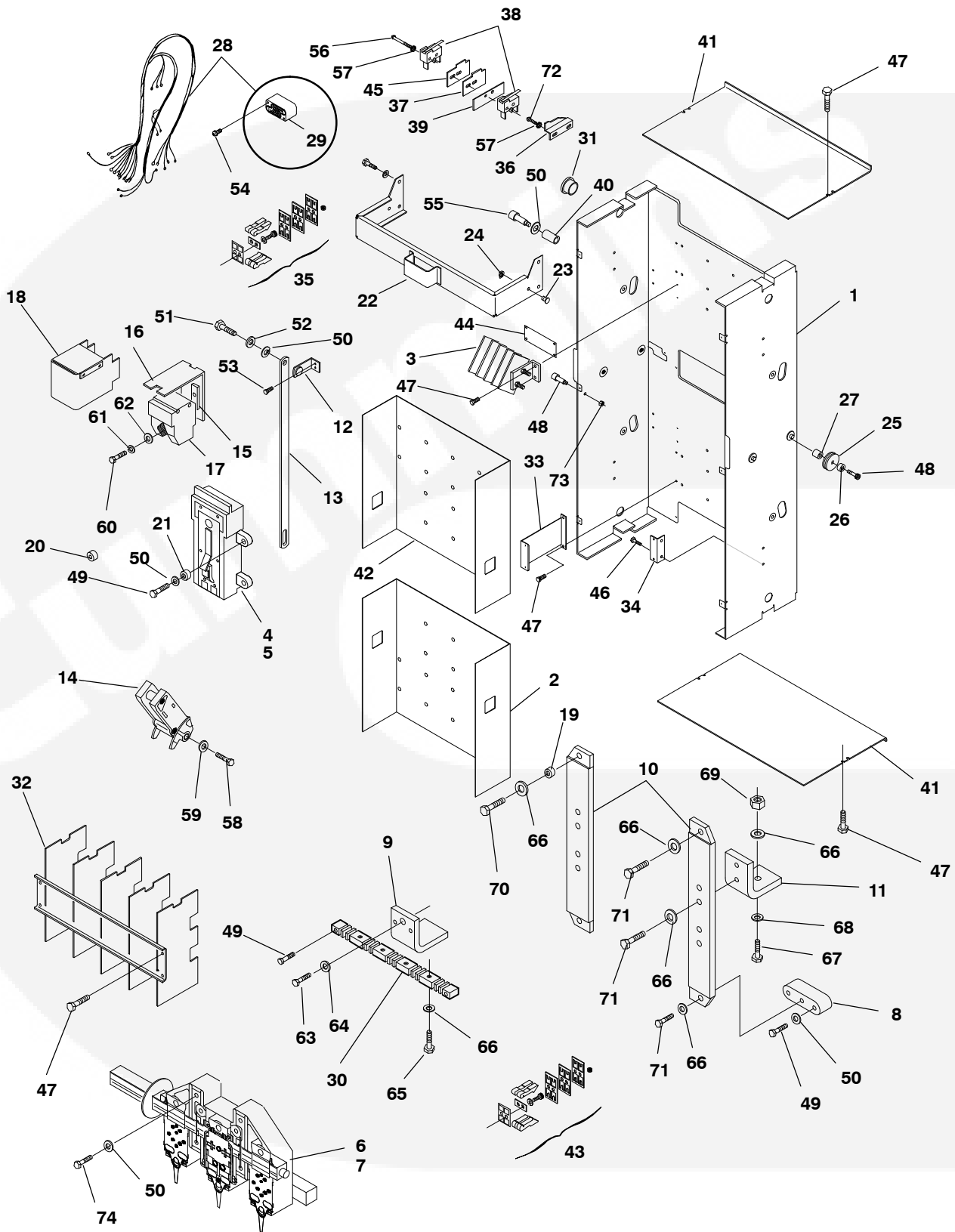


Transfer Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Switch Assembly	26	306-3656	4	Sleeving, Wheel
	306-5159	1	3 Pole	27	306-3670	4	Sleeving, Wheel
	306-5160	1	4 Pole	28	338-2749	1	Harness, Transfer Switch (Includes Connector)
1	306-3766-01	1	Base, Weldment				
2	306-5221	1	Barrier, Base	29	323-1484	1	Connector
3	306-4751	2	Switch Assembly – Auxiliary (See page 26 for components)	30	306-3805	3	Bar, Support
4	306-5022-01	2	Block Assembly, Strap – Line (Inner) (See page 21 for components)	31	508-0253	1	Bushing
5			Block Assembly, Strap – Line (Outer) (See page 21 for components)	32	306-3804	2	Cover, Normal/Emergency
				33	306-3802-01	2	Bracket, Cover
				34	306-3803-01	2	Bracket, Cover
				35			Finger Assembly – 6 Finger
	306-5022-02	4	3 Pole		306-3975	3	3 Pole
	306-5022-02	6	4 Pole		306-3975	4	4 Pole
6			Contact Assembly (Normal)	36	306-4064-01	1	Bracket, Indicator
	306-4980-01	1	3 Pole	37	306-3996-01	1	Plate, Indicating
	306-4982-01	1	4 Pole	38	309-0616	2	Switch, Snap Action
7			Contact Assembly (Emergency)	39	306-1987	3	Barrier, Switch
	306-4980-02	1	3 Pole	40	306-3718	4	Spacer
	306-4982-02	1	4 Pole	41	306-3852	2	Cover, End
8	306-3449	2	Block, Jumper – Mounting (4 Pole)	42	306-5220	1	Barrier, Base
9			Strap, Transfer Switch	43			Finger Assembly – 8 Finger
	337-2507-01	6	3 Pole		306-3976	6	3 Pole
	337-2507-01	8	4 Pole		306-3976	8	4 Pole
10			Strap, Jumper	44	306-3846	2	Spacer, Switch Assembly
	337-2539-01	3	3 Pole	45	306-3995-01	1	Plate, Indicating
	337-2539-01	4	4 Pole	46	815-0261	4	Screw, Thread Forming (1/4-20 x 1/2)
11			Strap, Transfer Switch	47	815-0652	28	Screw, Hex Head – Slotted (#10 -32 x 1/2)
	337-2540-01	3	3 Pole	48	815-0790-01	6	Screw, Shoulder (1/4-20 x .75)
	337-2540-01	4	4 Pole	49			Screw, Cap – Hex Head (1/4-20 x 1.25)
12	306-0508	2	Arm, Interlock		815-0667	22	3 Pole
13	306-3904-01	1	Bar, Interlock		815-0667	30	4 Pole
14	306-3762	2	Handle, Actuator (See page 29 for components)	50			Washer, Flat (1/4)
15			Spacer, Arc Chute		526-0018	34	3 Pole
	306-0668	12	3 Pole		526-0018	42	4 Pole
	306-0668	16	4 Pole	51	800-0003	2	Screw, Cap – Hex Head (1/4-20 x .50)
16			Barrier, Arc Chute	52	850-0040	2	Washer, Lock (1/4)
	306-0669	6	3 Pole	53	815-0446	4	Screw, Round Head – Cross Recessed – W/IT (#8-32 x .50)
	306-0669	8	4 Pole	54	815-0447	2	Screw, Round Head – Cross Recessed – W/IT (#8-32 x .75)
17			Chute, Arc	55	815-0790-02	6	Screw, Shoulder (1/4-20 x 1.00)
	306-4926	6	3 Pole	56	812-0072	2	Screw, Round Head (#6-32 x 1.75)
	306-4926	8	4 Pole	57	853-0003	4	Washer, Lock – W/ET (#6)
18			Barrier, Arc Chute	58	815-0485	4	Screw, Shoulder (#10-32)
	306-1041	6	3 Pole	59	850-0030	4	Washer, Lock (#10)
	306-1041	8	4 Pole	60	812-0087	16	Screw, Machine – Round Head (#8-32 x 1.50)
19	306-1398	6	Bushing				
20	166-0122	4	Spacer, Screw – Mounting				
21			Cup, Insulator				
	306-3441	16	3 Pole				
	306-3441	20	4 Pole				
22	306-3837-01	2	Bracket, Weldment				
23	516-0233	4	Pin, Clevis				
24	518-0115	4	Ring, External				
25	306-3659	4	Wheel, Bypass				

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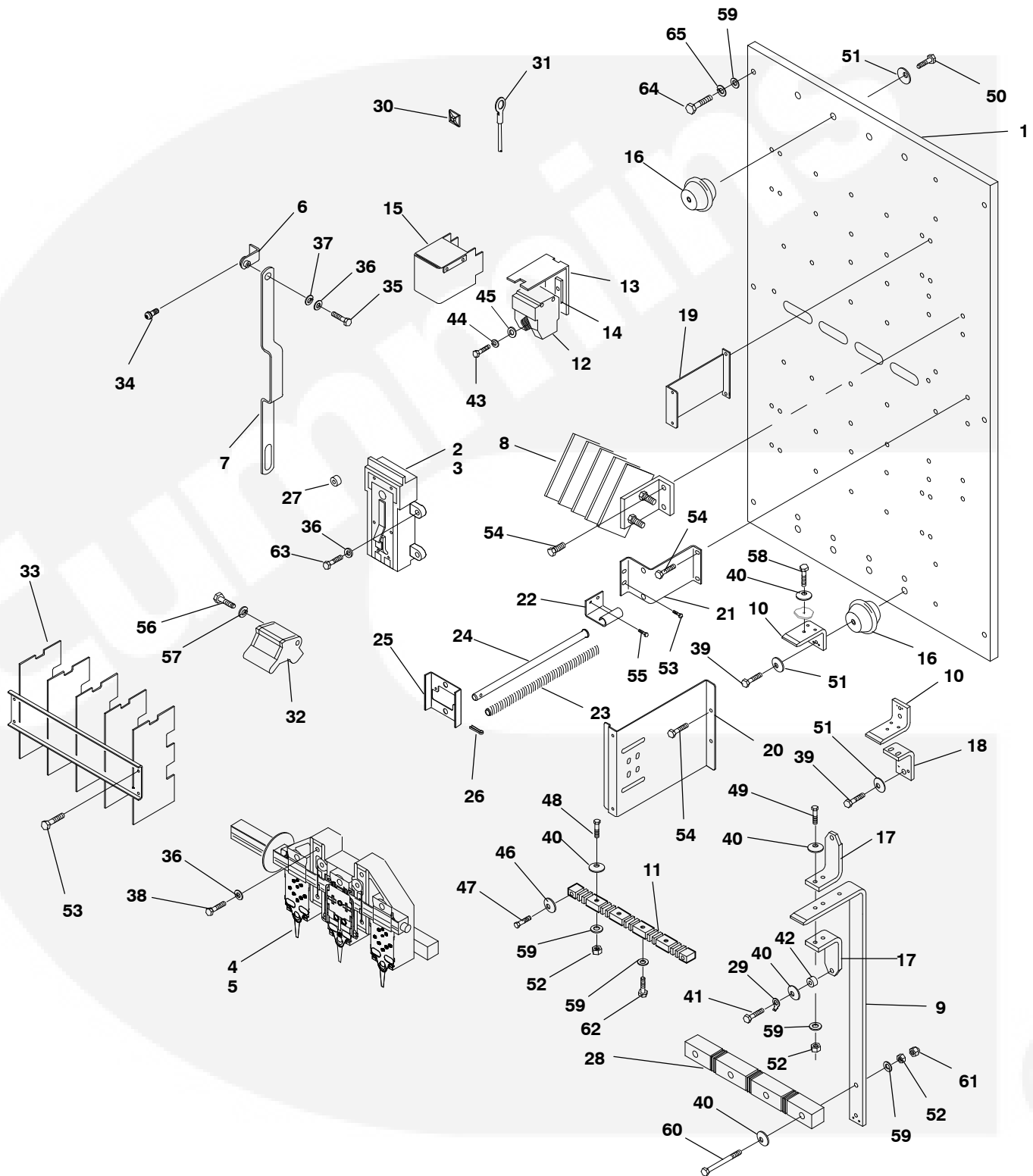
Transfer Switch Assembly



Transfer Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
Continued...				68			Washer, Flat (3/8)
				526-0030	3		3 Pole
				526-0030	4		4 Pole
61	850-0025	16	Washer, Lock (#8)	69			Nut, Hex (3/8-16)
62	526-0003	16	Washer, Flat (#8)	862-0003	3		3 Pole
63			Screw, Cap – Hex Head (1/2-13 x 1.25)	862-0003	4		4 Pole
	800-0091	6	3 Pole	70	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1.75)
	800-0091	8	4 Pole				Screw, Cap – Hex Head (3/8-16 x 1.25)
64			Washer, Conical – Spring (1/2)	71			3 Pole
	851-0023	6	3 Pole		800-0051	6	4 Pole
	851-0023	8	4 Pole		800-0051	10	4 Pole
65			Screw, Cap – Hex Head (3/8-16 x 1.50)	72	812-0059	2	Screw, Round Head (#6-32 x .25)
	800-0052	6	3 Pole	73	870-0065	2	Nut, Locking (1/4-20)
	800-0052	8	4 Pole	74	815-0290	8	Screw, Hex Washer Head – Thread Forming (1/4-20 x 5/8)
66			Washer, Conical – Spring (3/8)				
	851-0022	21	3 Pole				
	851-0022	28	4 Pole				
67			Screw, Cap – Hex Head (3/8-16 x 2.00)				
	800-0054	3	3 Pole				
	800-0054	4	4 Pole				

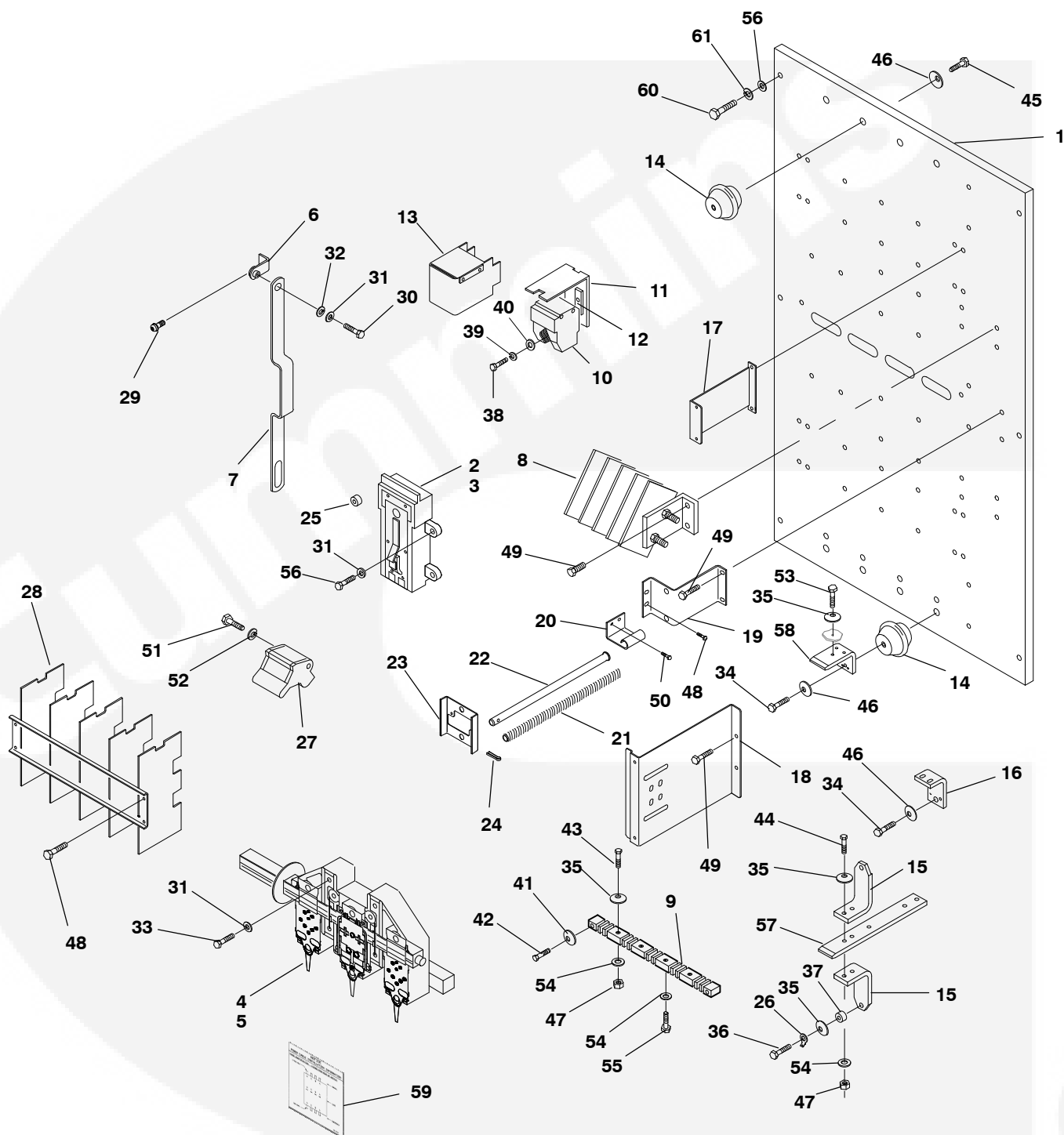
Bypass Switch **3-Pole Front Connect**



Bypass Switch 3-Pole Front Connect

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3798	1	Base, Insert	39	800-0091	12	Screw, Cap – Hex Head (1/2-13 x 1-1/4)
2	306-5022-01	2	Block Assembly, Strap – Line (Inner) (See page 21 for components)	40	851-0022	24	Washer, Spring – Conical (3/8)
3	306-5022-02	4	Block Assembly, Strap – Line (Outer) (See page 21 for components)	41	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1-3/4)
4	306-4980-01	1	Contact Assembly (Normal)	42	306-1398	6	Bushing
5	306-4980-02	1	Contact Assembly (Emergency)	43	812-0087	12	Screw, Machine – Round Head (#8-32 x 1-1/2)
6	306-0508	2	Arm, Interlock	44	850-0025	12	Washer, Lock (#8)
7	306-3855-01	1	Bar, Interlock	45	526-0003	12	Washer, Flat (#8)
8	306-4751	2	Switch Assembly (See page 26 for components)	46	851-0027	2	Washer, Spring – Conical (1/4)
9	337-2502-01	3	Bar, Bus – Load	47	800-0011	2	Screw, Cap – Hex Head (1/4-20 x 2.00)
10	337-2503-01	6	Stab, Normal/Emergency	48	800-0054	3	Screw, Cap – Hex Head (3/8-16 x 2.00)
11	306-3805	3	Bar, Support	49	800-0055	6	Screw, Cap – Hex Head (3/8-16 x 2-1/4)
12	306-4926	6	Chute, Arc	50	800-0092	6	Screw, Cap – Hex Head (1/2-13 x 1-1/2)
13	306-0669	6	Barrier, Arc Chute	51	851-0023	12	Washer, Spring – Conical (1/2)
14	306-0668	12	Spacer, Arc Chute	52	862-0003	12	Nut, Hex Washer Head (3/8)
15	306-1041	6	Barrier, Arc Chute	53	815-0652	10	Screw, Hex Head – Slotted (Thread Rolling Type) (#10-32 x 1/2)
16	332-2744-06	6	Standoff, Insulator	54	815-0449	22	Screw, Pan – Round Head – Cross Recessed (#10-32 x 3/4)
17	337-2504-01	6	Strap, Jumper	55	815-0261	4	Screw, Hex Washer Head – Thread Forming (1/4-20 x 1/2)
18	337-2506-01	6	Strap, Normal/Emergency	56	815-0485	4	Screw, Shoulder (#10-32)
19	306-3802-01	4	Bracket, Cover	57	850-0030	4	Washer, Lock (#10)
20	306-3799-01	3	Bracket, Shutter	58	800-0051	18	Screw, Cap – Hex Head (3/8-16 x 1-1/4)
21	306-3826-01	1	Bracket, Secdisc – Base	59	526-0029	24	Washer, Flat (3/8)
22	306-3753	2	Bracket, Spring – Support	60	800-0059	3	Screw, Cap – Hex Head (3/8-16 x 3-1/4)
23	306-3713	2	Spring, Secdisc	61	870-0495	3	Nut, Nylon – Acorn
24	516-0238	2	Pin, Clevis	62	800-0052	6	Screw, Cap – Hex Head (3/8-16 x 1-1/2)
25	306-3717	1	Bracket, Secdisc – Plug	63	800-0009	12	Screw, Cap – Hex Head (1/4-20 x 1-1/2)
26	516-0040	2	Pin, Cotter (3/32 x 1)	64	800-0051	6	Screw, Hex (3/8-16 x 1-1/4)
27	166-0122	4	Space, Screw – Mounting	65	850-0050	6	Washer, Lock (3/8)
28	307-3760	1	Bar, Load – Support				
29	332-2564	9	Ring, Terminal (3/8)				
30	332-2420	2	Mount, Cable Tie				
31	226-4333-01	1	Lead				
32	306-5280	2	Handle, Actuator				
33	306-3804	2	Cover, Normal/Emergency				
34	815-0446	4	Screw, Round Head – Cross Recessed –W/IT (#8-32 x 1/2)				
35	800-0003	2	Screw, Cap – Hex Head (1/4-20 x 1/2)				
36	526-0018	26	Washer, Flat (1/4)				
37	850-0040	2	Washer, Lock (1/4)				
38	800-0008	12	Screw, Cap – Hex Head (1/4-20 x 1-1/4)				

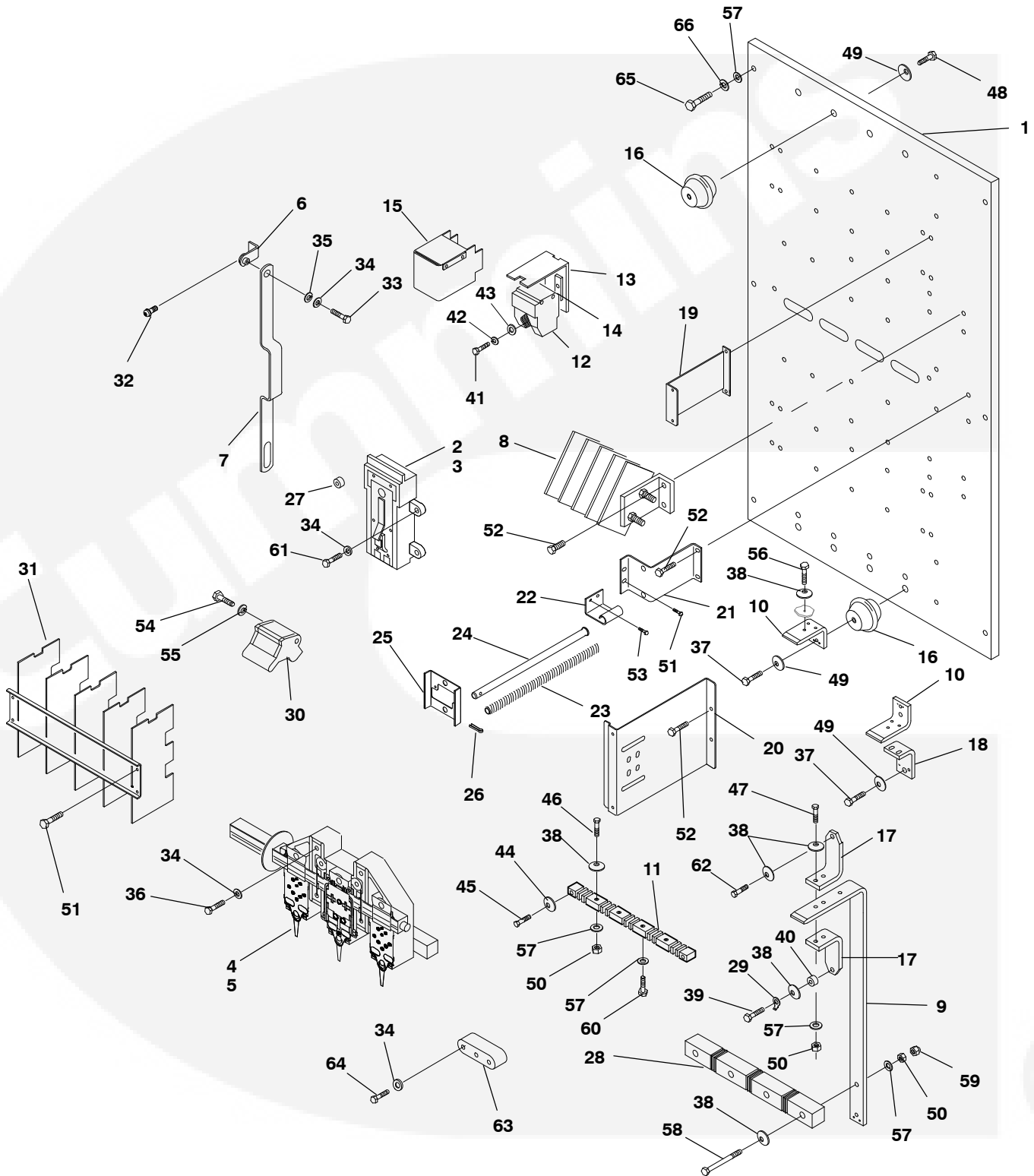
Bypass Switch 3-Pole Rear Connect



Bypass Switch 3-Pole Rear Connect

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3798	1	Base, Insert	35	851-0022	27	Washer, Spring – Conical (3/8)
2	306-5022-01	2	Block Assembly, Strap – Line (Inner) (See page 21 for components)	36	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1-3/4)
3	306-5022-02	4	Block Assembly, Strap – Line (Outer) (See page 21 for components)	37	306-1398	6	Bushing
4	306-4980-01	1	Contact Assembly (Normal)	38	812-0087	12	Screw, Machine – Round Head (#8-32 x 1-1/2)
5	306-4980-02	1	Contact Assembly (Emergency)	39	850-0025	12	Washer, Lock (#8)
6	306-0508	2	Arm, Interlock	40	526-0003	12	Washer, Flat (#8)
7	306-3855-01	1	Bar, Interlock	41	851-0027	2	Washer, Spring – Conical (1/4)
8	306-4751	2	Switch Assembly (See page 26 for components)	42	800-0011	2	Screw, Cap – Hex Head (1/4-20 x 2.00)
9	306-3805	3	Bar, Support	43	800-0054	3	Screw, Cap – Hex Head (3/8-16 x 2.00)
10	306-4926	6	Chute, Arc	44	800-0055	6	Screw, Cap – Hex Head (3/8-16 x 2-1/4)
11	306-0669	6	Barrier, Arc Chute	45	800-0092	6	Screw, Cap – Hex Head (1/2-13 x 1-1/2)
12	306-0668	12	Spacer, Arc Chute	46	851-0023	18	Washer, Spring – Conical (1/2)
13	306-1041	6	Barrier, Arc Chute	47	862-0003	9	Nut, Hex Washer Head (3/8)
14	332-2744-06	6	Standoff, Insulator	48	815-0652	10	Screw, Hex Head – Slotted (Thread Rolling Type) (#10-32 x 1/2)
15	337-2504-01	6	Strap, Jumper	49	815-0449	24	Screw, Pan – Round Head – Cross Recessed (#10-32 x 3/4)
16	337-2506-01	6	Strap, Normal/Emergency	50	815-0261	4	Screw, Hex Washer Head – Thread Forming (1/4-20 x 1/2)
17	306-3802-01	4	Bracket, Cover	51	815-0485	4	Screw, Shoulder (#10-32)
18	306-3799-01	3	Bracket, Shutter	52	850-0030	4	Washer, Lock (#10)
19	306-3826-01	1	Bracket, Secdisc – Base	53	800-0051	12	Screw, Cap – Hex Head (3/8-16 x 1-1/4)
20	306-3753	2	Bracket, Spring – Support	54	526-0029	21	Washer, Flat (3/8)
21	306-3713	2	Spring, Secdisc	55	800-0052	6	Screw, Cap – Hex Head (3/8-16 x 1-1/2)
22	516-0238	2	Pin, Clevis	56	800-0009	12	Screw, Cap – Hex Head (1/4-20 x 1-1/2)
23	306-3717	1	Bracket, Secdisc – Plug	57	337-2556-01	3	Bus, Load
24	516-0040	2	Pin, Cotter (3/32 x 1)	58	337-2557-01	6	Bus, Normal, Emergency
25	166-0122	4	Space, Screw – Mounting	59	098-6763	1	Label, Power Cable
26	332-2564	9	Ring, Terminal (3/8)	60	800-0051	6	Screw, Hex (3/8-16 x 1-1/4)
27	306-3763	2	Handle, Actuator	61	850-0050	6	Washer, Lock (3/8)
28	306-3804	2	Cover, Normal/Emergency				
29	815-0446	4	Screw, Round Head – Cross Recessed – W/IT (#8-32 x 1/2)				
30	800-0003	2	Screw, Cap – Hex Head (1/4-20 x 1/2)				
31	526-0018	26	Washer, Flat (1/4)				
32	850-0040	2	Washer, Lock (1/4)				
33	800-0008	12	Screw, Cap – Hex Head (1/4-20 x 1-1/4)				
34	800-0091	12	Screw, Cap – Hex Head (1/2-13 x 1-1/4)				

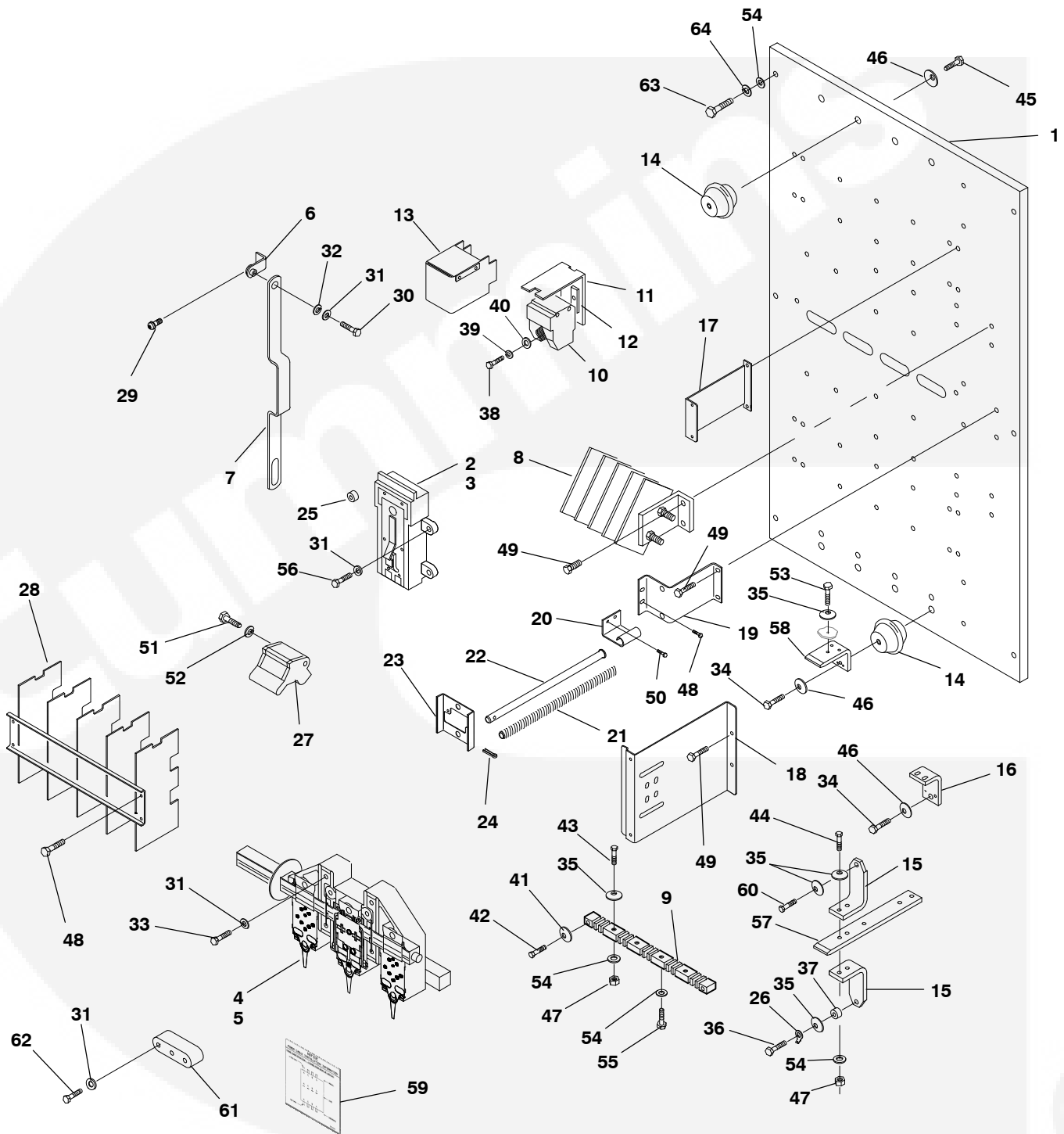
Bypass Switch **4-Pole Front Connect**



Bypass Switch 4-Pole Front Connect

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3798	1	Base, Insert	38	851-0022	40	Washer, Spring – Conical (3/8)
2	306-5022-01	2	Block Assembly, Strap – Line (Inner) (See page 21 for components)	39	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1-3/4)
3	306-5022-02	6	Block Assembly, Strap – Line (Outer) (See page 21 for components)	40	306-1398	6	Bushing
4	306-4982-01	1	Contact Assembly (Normal)	41	812-0087	16	Screw, Machine – Round Head (#8-32 x 1-1/2)
5	306-4982-02	1	Contact Assembly (Emergency)	42	850-0025	16	Washer, Lock (#8)
6	306-0508	2	Arm, Interlock	43	526-0003	16	Washer, Flat (#8)
7	306-3855-01	1	Bar, Interlock	44	851-0027	2	Washer, Spring – Conical (1/4)
8	306-4751	2	Switch Assembly (See page 26 for components)	45	800-0011	2	Screw, Cap – Hex Head (1/4-20 x 2.00)
9	337-2502-01	4	Bar, Bus – Load	46	800-0054	4	Screw, Cap – Hex Head (3/8-16 x 2.00)
10	337-2503-01	8	Stab, Normal/Emergency	47	800-0055	8	Screw, Cap – Hex Head (3/8-16 x 2-1/4)
11	306-3805	3	Bar, Support	48	800-0092	8	Screw, Cap – Hex Head (1/2-13 x 1-1/2)
12	306-4926	8	Chute, Arc	49	851-0023	16	Washer, Spring – Conical (1/2)
13	306-0669	8	Barrier, Arc Chute	50	862-0003	12	Nut, Hex Washer Head (3/8)
14	306-0668	16	Spacer, Arc Chute	51	815-0652	10	Screw, Hex Head – Slotted (Thread Rolling Type) (#10-32 x 1/2)
15	306-1041	8	Barrier, Arc Chute	52	815-0449	22	Screw, Pan – Round Head – Cross Recessed (#10-32 x 3/4)
16	332-2744-06	8	Standoff, Insulator	53	815-0261	4	Screw, Hex Washer Head – Thread Forming (1/4-20 x 1/2)
17	337-2504-01	8	Strap, Jumper	54	815-0485	4	Screw, Shoulder (#10-32)
18	337-2506-01	8	Strap, Normal/Emergency	55	850-0030	4	Washer, Lock (#10)
19	306-3802-01	4	Bracket, Cover	56	800-0051	18	Screw, Cap – Hex Head (3/8-16 x 1-1/4)
20	306-3799-01	3	Bracket, Shutter	57	526-0029	30	Washer, Flat (3/8)
21	306-3826-01	1	Bracket, Secdisc – Base	58	800-0059	4	Screw, Cap – Hex Head (3/8-16 x 3-1/4)
22	306-3753	2	Bracket, Spring – Support	59	870-0495	4	Nut, Nylon – Acorn
23	306-3713	2	Spring, Secdisc	60	800-0052	8	Screw, Cap – Hex Head (3/8-16 x 1-1/2)
24	516-0238	2	Pin, Clevis	61	800-0009	16	Screw, Cap – Hex Head (1/4-20 x 1-1/2)
25	306-3717	1	Bracket, Secdisc – Plug	62	800-0050	2	Screw, Cap – Hex Head (3/8-16 x 1)
26	516-0040	2	Pin, Cotter (3/32 x 1)	63	306-3449	2	Block, Jumper Mounting
27	166-0122	4	Space, Screw – Mounting	64	800-0007	4	Screw, Cap – Hex Head (1/4-20 x 1.00)
28	307-3760	1	Bar, Load – Support	65	800-0051	6	Screw, Hex (3/8-16 x 1-1/4)
29	332-2564	10	Ring, Terminal (3/8)	66	850-0050	6	Washer, Lock (3/8)
30	306-3763	2	Handle, Actuator				
31	306-3804	2	Cover, Normal/Emergency				
32	815-0446	4	Screw, Round Head – Cross Recessed – W/IT (#8-32 x 1/2)				
33	800-0003	2	Screw, Cap – Hex Head (1/4-20 x 1/2)				
34	526-0018	34	Washer, Flat (1/4)				
35	850-0040	2	Washer, Lock (1/4)				
36	800-0008	12	Screw, Cap – Hex Head (1/4-20 x 1-1/4)				
37	800-0091	16	Screw, Cap – Hex Head (1/2-13 x 1-1/4)				

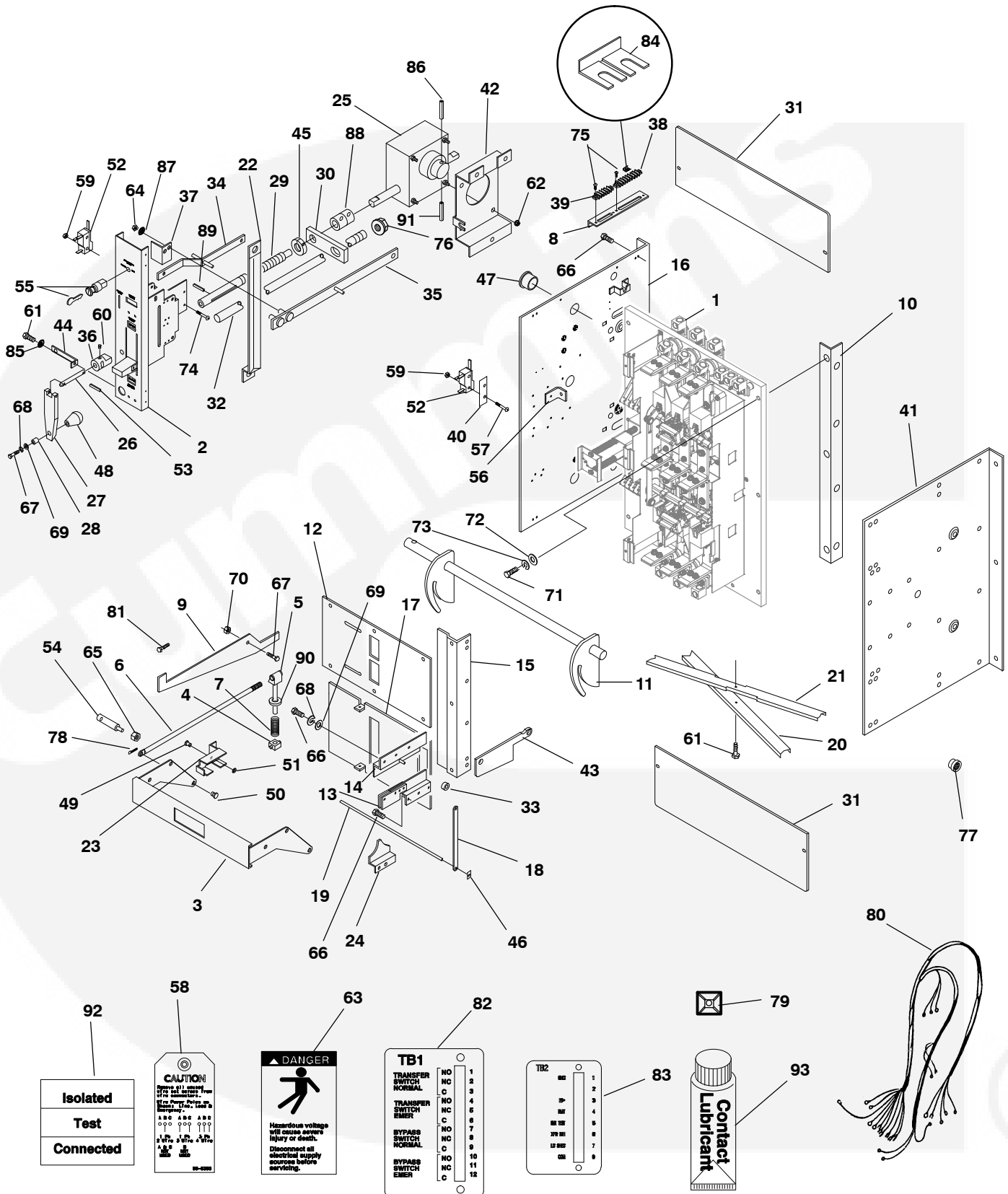
Bypass Switch 4-Pole Rear Connect



Bypass Switch 4-Pole Rear Connect

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3798	1	Base, Insert	37	306-1398	6	Bushing
2	306-5022-01	2	Block Assembly, Strap – Line (Inner) (See page 21 for components)	38	812-0087	16	Screw, Machine – Round Head (#8-32 x 1-1/2)
3	306-5022-02	4	Block Assembly, Strap – Line (Outer) (See page 21 for components)	39	850-0025	16	Washer, Lock (#8)
4	306-4982-01	1	Contact Assembly (Normal)	40	526-0003	16	Washer, Flat (#8)
5	306-4982-02	1	Contact Assembly (Emergency)	41	851-0027	2	Washer, Spring – Conical (1/4)
6	306-0508	2	Arm, Interlock	42	800-0011	2	Screw, Cap – Hex Head (1/4-20 x 2.00)
7	306-3855-01	1	Bar, Interlock	43	800-0054	4	Screw, Cap – Hex Head (3/8-16 x 2.00)
8	306-4751	2	Switch Assembly (See page 26 for components)	44	800-0055	8	Screw, Cap – Hex Head (3/8-16 x 2-1/4)
9	306-3805	3	Bar, Support	45	800-0092	8	Screw, Cap – Hex Head (1/2-13 x 1-1/2)
10	306-4926	8	Chute, Arc	46	851-0023	24	Washer, Spring – Conical (1/2)
11	306-0669	8	Barrier, Arc Chute	47	862-0003	12	Nut, Hex Washer Head (3/8)
12	306-0668	16	Spacer, Arc Chute	48	815-0652	10	Screw, Hex Head – Slotted (Thread Rolling Type) (#10-32 x 1/2)
13	306-1041	8	Barrier, Arc Chute	49	815-0449	24	Screw, Pan – Round Head – Cross Recessed (#10-32 x 3/4)
14	332-2744-06	8	Standoff, Insulator	50	815-0261	4	Screw, Hex Washer Head – Thread Forming (1/4-20 x 1/2)
15	337-2504-01	8	Strap, Jumper	51	815-0485	4	Screw, Shoulder (#10-32)
16	337-2506-01	8	Strap, Normal/Emergency	52	850-0030	4	Washer, Lock (#10)
17	306-3802-01	4	Bracket, Cover	53	800-0051	16	Screw, Cap – Hex Head (3/8-16 x 1-1/4)
18	306-3799-01	3	Bracket, Shutter	54	526-0029	26	Washer, Flat (3/8)
19	306-3826-01	1	Bracket, Secdisc – Base	55	800-0052	8	Screw, Cap – Hex Head (3/8-16 x 1-1/2)
20	306-3753	2	Bracket, Spring – Support	56	800-0009	16	Screw, Cap – Hex Head (1/4-20 x 1-1/2)
21	306-3713	2	Spring, Secdisc	57	337-2556-01	4	Bus, Load
22	516-0238	2	Pin, Clevis	58	337-2557-01	8	Bus, Normal, Emergency
23	306-3717	1	Bracket, Secdisc – Plug	59	098-6763	1	Label, Power Cable
24	516-0040	2	Pin, Cotter (3/32 x 1)	60	800-0050	2	Screw, Cap – Hex Head (3/8-16 x 1.00)
25	166-0122	4	Space, Screw – Mounting	61	306-3449	2	Block, Jumper Mounting
26	332-2564	10	Ring, Terminal (3/8)	62	800-0007	4	Screw, Cap – Hex Head (1/4-20 x 1.00)
27	306-3763	2	Handle, Actuator	63	800-0051	6	Screw, Hex (3/8-16 x 1-1/4)
28	306-3804	2	Cover, Normal/Emergency	64	850-0050	6	Washer, Lock (3/8)
29	815-0446	4	Screw, Round Head – Cross Recessed – W/IT (#8-32 x 1/2)				
30	800-0003	2	Screw, Cap – Hex Head (1/4-20 x 1/2)				
31	526-0018	34	Washer, Flat (1/4)				
32	850-0040	2	Washer, Lock (1/4)				
33	800-0008	12	Screw, Cap – Hex Head (1/4-20 x 1-1/4)				
34	800-0091	16	Screw, Cap – Hex Head (1/2-13 x 1-1/4)				
35	851-0022	36	Washer, Spring – Conical (3/8)				
36	800-0053	6	Screw, Cap – Hex Head (3/8-16 x 1-3/4)				

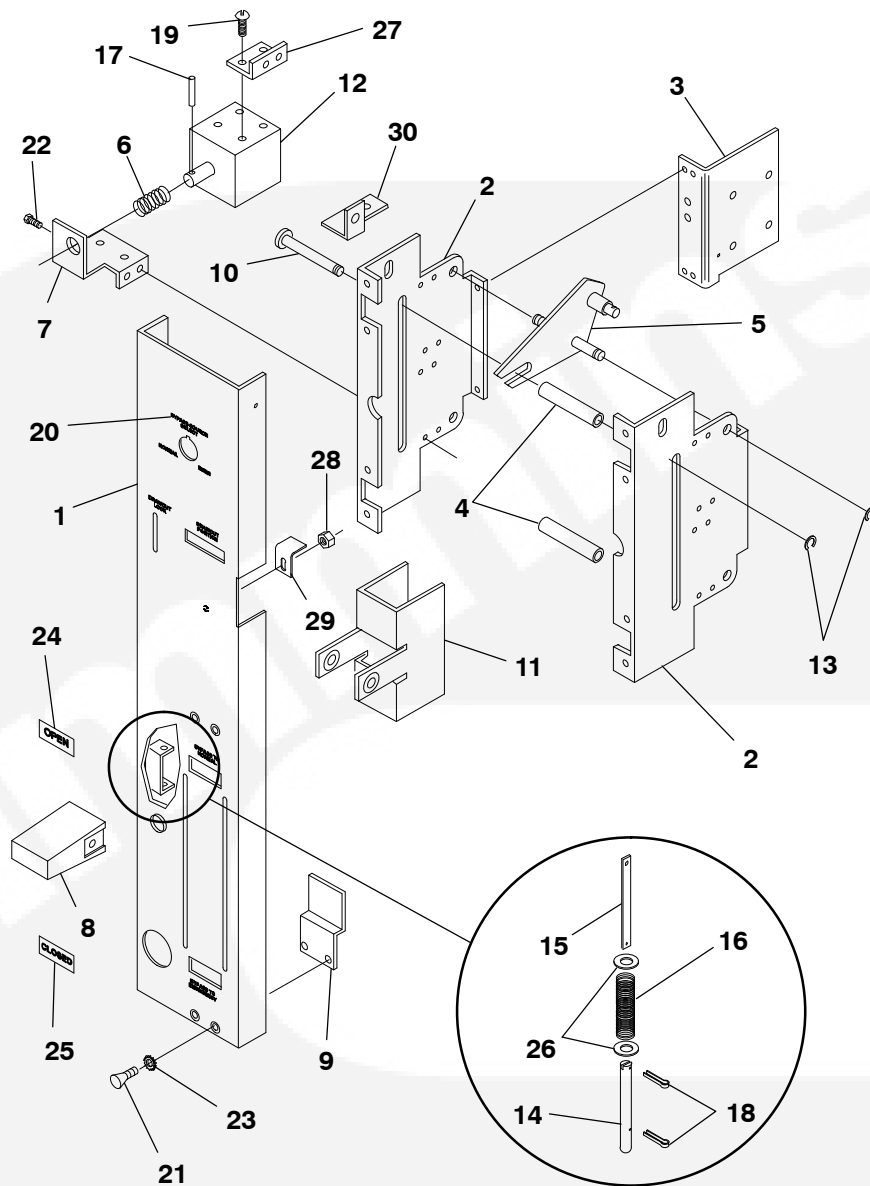
Bypass Frame Assembly



Bypass Frame Assembly

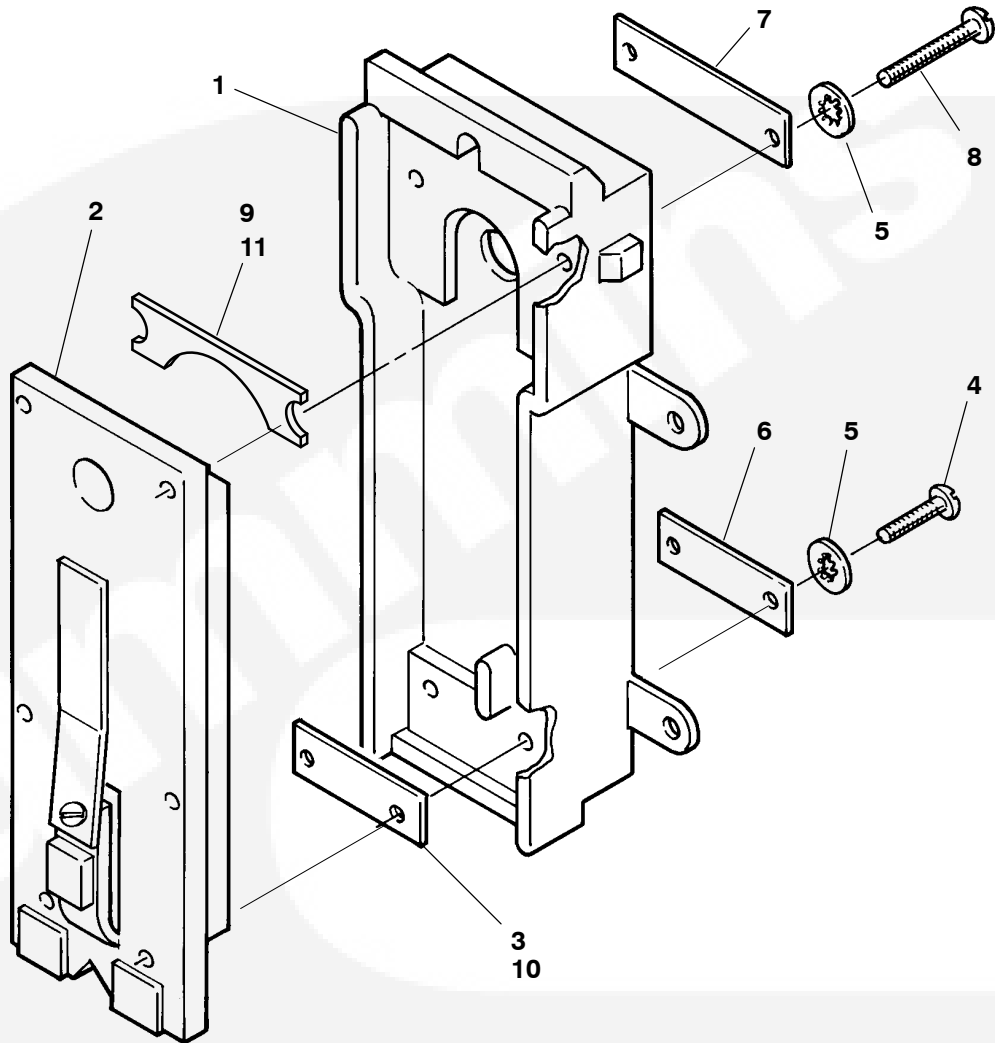
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Switch Assembly, Bypass	46	870-0469	4	Pushnut
			3 Pole	47	508-0253	2	Bushing
	306-5154	1	Front Connect – Page 11	48	406-0714	1	Ball Knob
	306-5156	1	Rear Connect – Page 13	49	516-0233	11	Pin, Clevis
			4 Pole	50	516-0234	2	Pin, Clevis
	306-5155	1	Front Connect – Page 15	51	518-0115	13	Ring, External
	306-5157	1	Rear Connect – Page 17	52	309-0611	4	Switch, Snap Action
2	306-4503	1	Operator Assembly, Bypass (See page 20 for components)	53	516-0202	1	Pin, Spring
				54	516-0235	2	Pin, Clevis
				55	308-0957	1	Switch, Selector (Includes Key)
3	306-3810-01	2	Bracket, Actuator		308-0989	1	Key
4	306-3638	2	Guide, Plunger	56	306-4310-01	2	Bracket, Stop
5	306-3636	2	Plunger, Nylon	57	812-0068	4	Screw, Round Head (#6-32 x 1.00)
6	306-3831-01	2	Rod, Actuator				
7	306-3650	2	Spring, Contact	58	098-6383	1	Tag, Caution
8	306-3662	1	Bracket, Terminal Block	59	870-0183	8	Nut, Hex W/ET (#6-32)
9	306-3665	2	Rail, Pivoting	60	815-0157	2	Screw, Set (#10-32 x 1/4)
10	306-3811-01	2	Bracket, Base Mounting	61	815-0652	30	Screw, Slotted – Hex Head (#10-32 x 1/2)
11	306-3829-01	1	Arm, Weldment				
12	306-3801	1	Cover, Shutter	62	870-0212	4	Nut, Self-Locking – Flange (1/4-20)
13		1	Rail, Weldment				
	306-3824-01	1	Right Hand	63	098-5387	1	Label, Danger
	306-3825-01	1	Left Hand	64	870-0188	2	Nut, Locking (#10-32)
14			Bracket, Rail	65	870-0048	2	Nut, Locking (5/16-18)
	306-3821-01	1	Upper Left Hand	66	815-0290	50	Screw, Cap – Hex Head (1/4-20 x 5/8)
	306-3820-01	1	Upper Right Hand				
15	306-3800-01	1	Bracket, Shutter	67	800-0005	3	Screw, Cap – Hex Head (1/4-20 x 3/4)
16	306-3813-01	1	Support, Weldment (Left Hand)				
17	306-3819	1	Cover, Moveable	68	850-0040	7	Washer, Lock (1/4)
18	306-3685	2	Link, Shutter	69	526-0018	11	Washer, Flat (1/4)
19	306-3900-01	1	Rod, Shutter	70	870-0065	8	Nut, Locking (1/4-20)
20	306-3907-01	2	Bracket, Support	71	800-0051	6	Screw, Cap – Hex Head (3/8-16 x 1-1/4)
21	306-3906-01	2	Bracket, Support				
22	306-3987-01	2	Bar, Interlock	72	526-0029	6	Washer, Flat (3/8)
23			Bracket, Stop	73	850-0050	6	Washer, Lock (3/8)
	306-3985-01	1	Left Hand	74	812-0072	2	Screw, Round Head (#6-32 x 1.75)
	306-3986-01	1	Right Hand				
24			Bracket, Trip	75	815-0651	4	Screw, Machine – Round Head (Thread Rolling) (#6-32 x 3/4)
	306-3860-01	2	Left Hand				
	306-3895-01	2	Right Hand	76	870-0257	2	Nut, Self-Locking – Flange (5/16-18)
25	306-3842	1	Reducer, Speed				
26	306-3731	1	Shaft, Draw Out	77	508-0195	1	Bushing, Snap – 3 Pole Front Connect
27	306-3732	1	Lever, Crank				
28	306-3733	1	Spacer, Handle	78	516-0042	2	Pin, Cotter
29	306-3845-01	1	Shaft, Threaded	79	332-2420	6	Mount, Cable Tie
30	306-3923	1	Guide, Stop	80	338-3810-01	1	Harness, Bypass Frame
31	306-3854	2	Cover, Lug	81	815-0795	2	Screw, Shoulder – Socket Head (#6-32)
32	306-3740	1	Pin, Guide				
33	306-3750	2	Spacer, Shutter	82	332-3091	1	Strip, Marker (TB1)
34	306-3931	1	Lever, Plunger	83	332-3675	1	Strip, Marker (TB2)
35	306-3776	1	Arm, Indicator	84	332-2605	1	Jumper, Terminal
36	306-3918	1	Collar, Locking	85	526-0012	2	Washer, Flat (#10)
37	306-4065-01	1	Plate, Indicator	86	516-0104	1	Pin, Roll (1/4 x 1-1/2)
38	332-3059	1	Block, Terminal	87	526-0009	2	Washer, Flat (#10)
39	332-2832	1	Block, Terminal	88	306-3965	1	Coupling, Reducer – Speed
40	306-1987	4	Barrier, Switch	89	516-0253	1	Pin, Grooved
41	306-3814-01	1	Support, Side (Right Hand)	90	526-0219	6	Washer, Flat (1/2)
42	306-3841	1	Bracket, Speed Reducer	91	516-0255	1	Pin, Roll (5/32 x 1)
43	306-3684	2	Link, Drive	92	098-6643	1	Label, Position – Transfer Switch
44	306-3875-01	2	Bracket, Control Panel				
45	306-3734	2	Collar, Threaded	93	524-0659	A/R	Lubricant, Contact

Bypass Operator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-4502-02	1	Cover	17	516-0151	2	Pin, Roll – Solenoid
2	306-3830-01	2	Bracket, Actuator	18	516-0037	2	Pin, Cotter (1/16)
3	306-3646	1	Bracket, Support	19	815-0285	8	Screw, Machine – Round Head (#8-32 x 5/16)
4	306-3651	2	Bushing	20	098-7307	1	Label, Operator Panel
5			Arm, Pivot	21	815-0029	6	Screw, Flat Head – Cross Recessed (#10-32 x 1/2)
	306-3652	1	Right Hand	22	815-0652	11	Screw, Hex Head – Slotted (#10-32 x 1/2)
	306-3653	1	Left Hand	23	855-0008	6	Washer – ET (#10)
6	306-3726	2	Spring, Solenoid	24	098-6350	2	Label, Open
7	306-3741	2	Bracket, Solenoid	25	098-6351	2	Label, Closed
8	306-3751	1	Handle, Actuator	26	526-0018	4	Washer, Flat (1/4)
9	306-3754	2	Plate, Indicator	27	306-3833	1	Bracket, Solenoid
10	516-0237	2	Pin, Plunger Clevis	28	870-0131	1	Nut, Hex – ET
11	306-3832-01	1	Bracket, Weldment	29	306-4066-01	1	Bracket, Stop
12	307-2712	2	Solenoid	30	306-3939-01	1	Bracket, Solenoid
13	518-0115	6	Ring, Retaining				
14	306-3921	1	Plunger				
15	306-3847-01	1	Link, Plunger				
16	306-3930	1	Spring, Plunger				

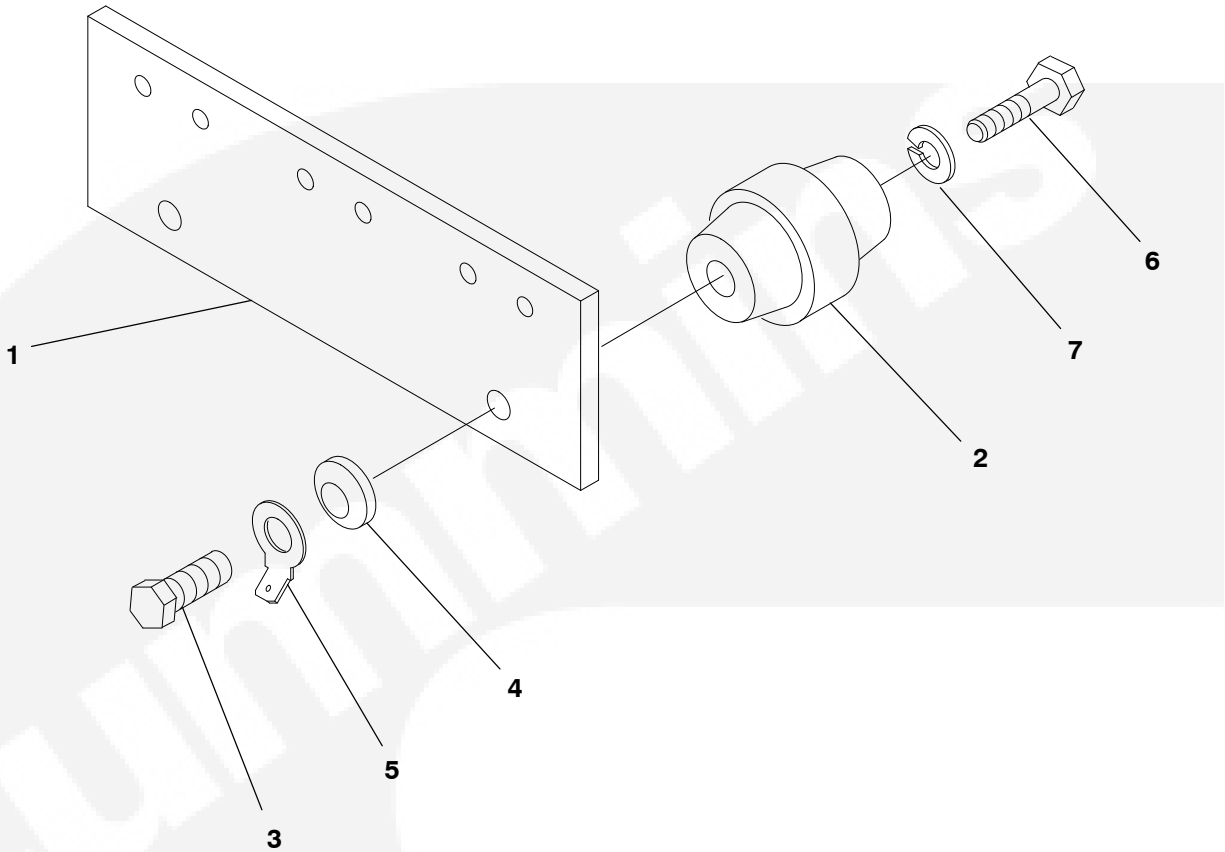
Line Strap Block Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Block Assembly, Strap – Line (Includes parts marked *)	5	854-0010	4	*Washer, Lock – IT (#10)
	306-5022-01	2	Inner	6	370-0043	1	*Plate
			Outer	7	370-0042	1	*Plate
	306-5022-02	4	3 Pole	8	813-0107	2	*Screw, Machine – Round Head (#10-32 x 1-1/4)
	306-5022-02	6	4 Pole	9			*Spacer, Strap – Line
1	306-2298	1	*Block, Mounting – Line Strap		306-4162-01	2	Center Contact
2	306-3740	1	*Strap, Line		306-4162-01	4	Outer Contact
3			*Spacer, Strap – Line	10	306-0603-01	1	*Spacer, Strap – Line
	306-0603	1	Center Contact	11	306-4162-02	1	*Spacer, Strap – Line
	306-0603	3	Outer Contact				
4	813-0105	2	*Screw, Machine – Round Head (#10-32 x 1.0)				

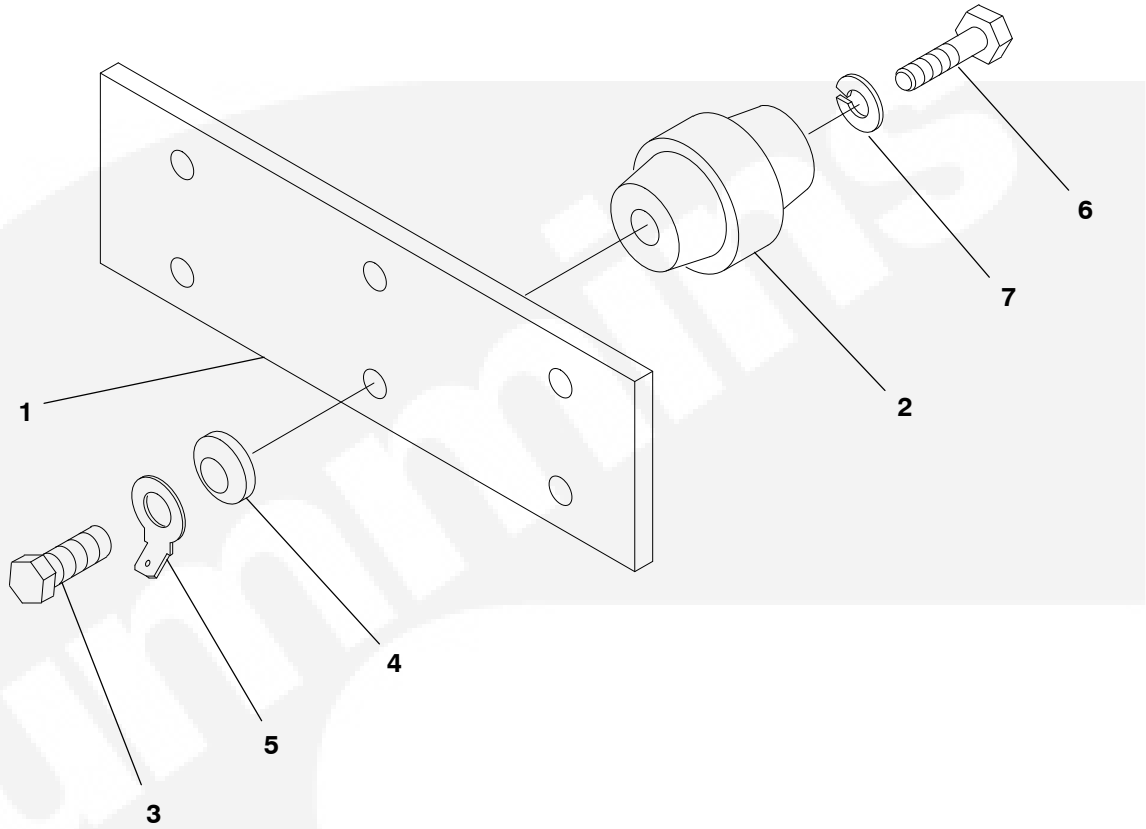
* Parts included in Line Strap Block Assembly

Neutral Bar 600 Amp



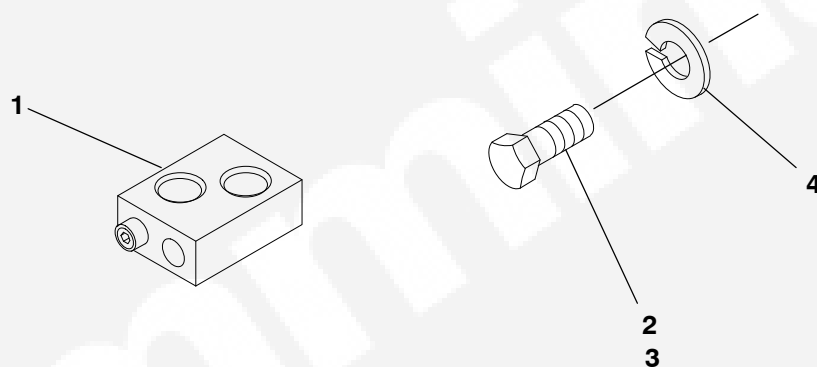
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-2511	1	Bar, Neutral	5	332-2564	1	Ring, Terminal
2	332-2744-07	2	Standoff, Insulator	6	800-0048	2	Screw, Cap - Hex Head (3/8-16 x .75)
3	800-0049	2	Screw, Cap - Hex Head (3/8-16 x 7/8)	7	850-0050	2	Washer, Lock (3/8)
4	851-0022	2	Washer, Conical - Spring (3/8)				

Neutral Bar 800/1000 Amp



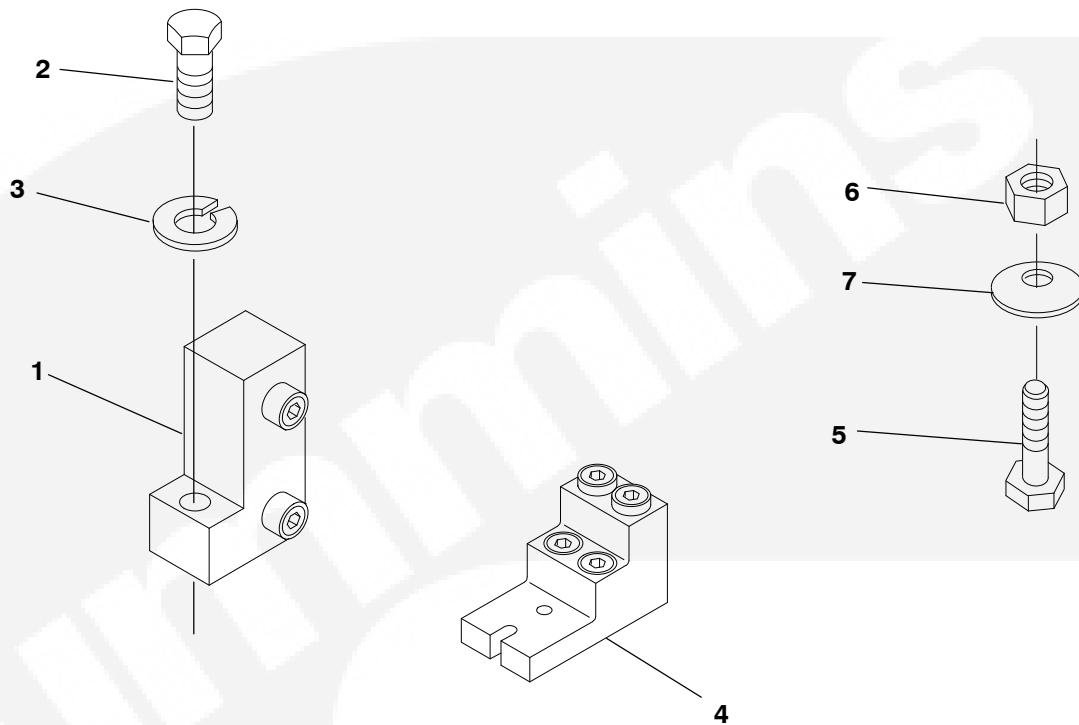
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-2529-01	1	Bar, Neutral	5	332-2564	1	Ring, Terminal
2	332-2744-07	3	Standoff, Insulator	6	800-0048	2	Screw, Cap - Hex Head (3/8-16 x .75)
3	800-0054	3	Screw, Cap - Hex Head (3/8-16 x 1.75)	7	850-0050	2	Washer, Lock (3/8)
4	851-0022	3	Washer, Conical - Spring (3/8)				

Lugs 600 Amp



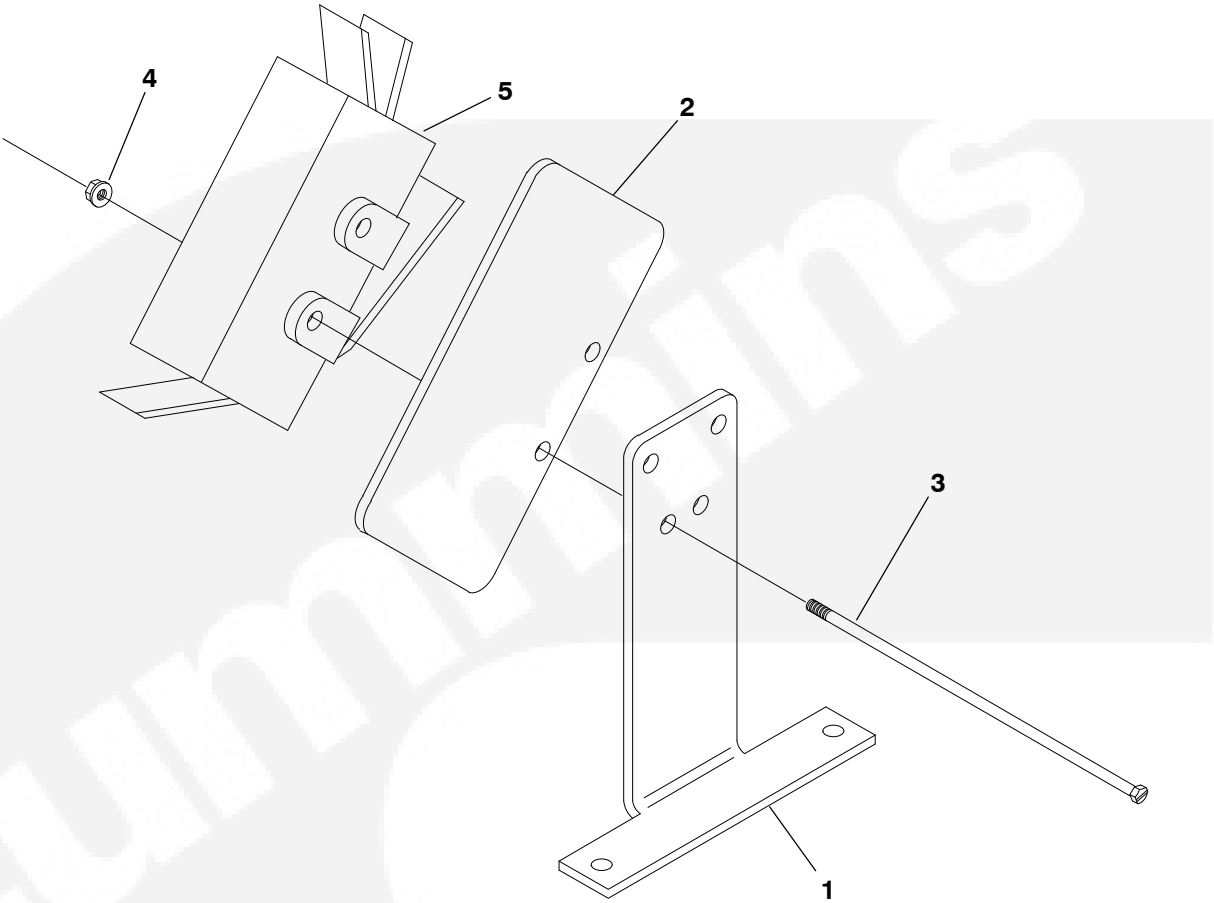
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2660	12	Lug, Solderless	3	822-0091	12	Screw, Machine – Pan Head – Cross Recessed (1/4-20 x 1-1/2)
2	822-0085	12	Screw, Machine – Pan Head – Cross Recessed (1/4-20 x 5/8)	4	850-0039	24	Washer, Lock (1/4)

Lugs 800/1000 Amp



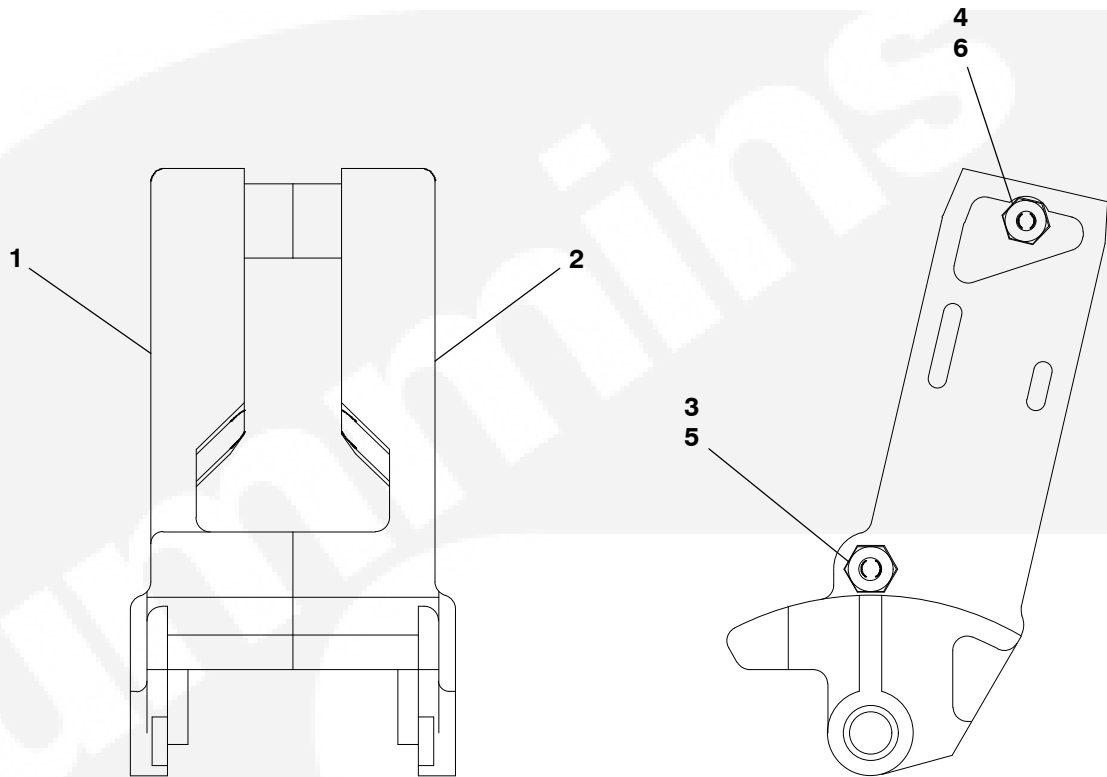
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2736	9	Lug, Solderless	4	332-1557	3	Lug (Neutral) – 3 Pole
	332-2736	12	3 Pole	5	800-0054	3	Screw, Cap – Hex Head
2			4 Pole	6	862-0003	3	(3/8-16 x 2.00) – 3 Pole
	815-0799-01	9	Screw, Cap – Socket Head	7	851-0022	3	Nut, Hex (3/8) – 3 Pole
	815-0799-01	12	(1/2-13 x 2.25)				Washer, Spring – Conical – 3 Pole
			3 Pole				
			4 Pole				
3			Washer, Lock (1/2)				
	850-0060	9	3 Pole				
	850-0060	12	4 Pole				

Auxiliary Switch Assembly



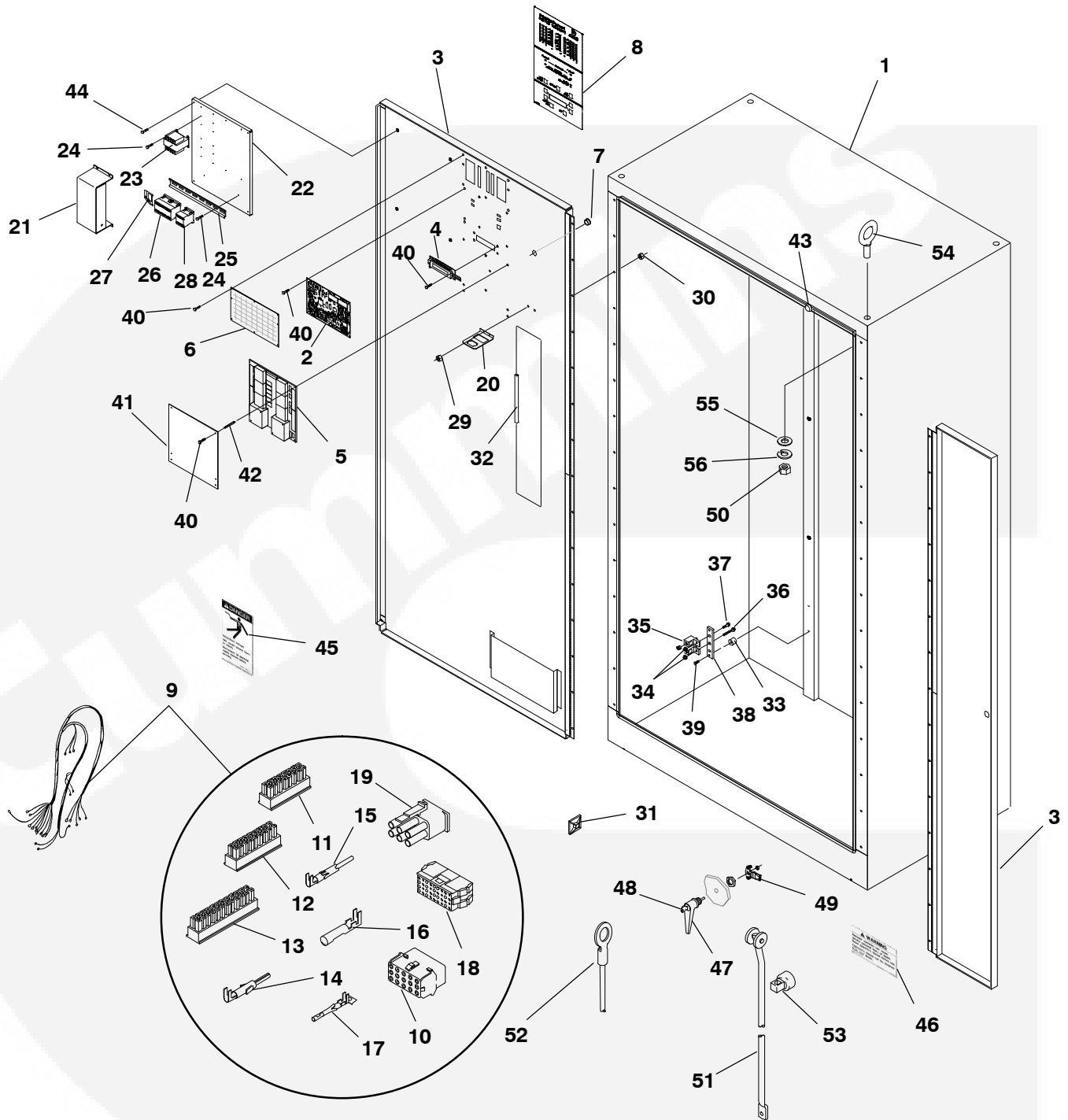
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-4751	2	Switch Assembly, Auxiliary (Includes parts marked *)	4	870-0201	2	*Nut, Hex – Self-Locking (#6-32)
1	306-3435	2	*Bracket, Switch – Auxiliary	5	308-1166	4	*Switch, Snap-Action
2	306-3391	5	*Barrier, Switch	* Parts included in 306-3436 Auxiliary Switch Assembly			
3	815-0686	2	*Screw, Slotted – Hex Head (#6-32 x 3-1/4)				

Actuator Handle Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-3762	2	Handle Assembly, Actuator	4	812-0087	1	Screw, Machine – Round Head (#8-32 x 1.50)
1	306-3765	1	Handle, Switch – Left Hand	5	870-0298	1	Nut, Self-Locking (#10-32)
2	306-3764	1	Handle, Switch – Right Hand	6	870-0235	1	Nut, Self-Locking (#8-32)
3	813-0110	1	Screw, Machine – Round Head (#10-32 x 2.00)				

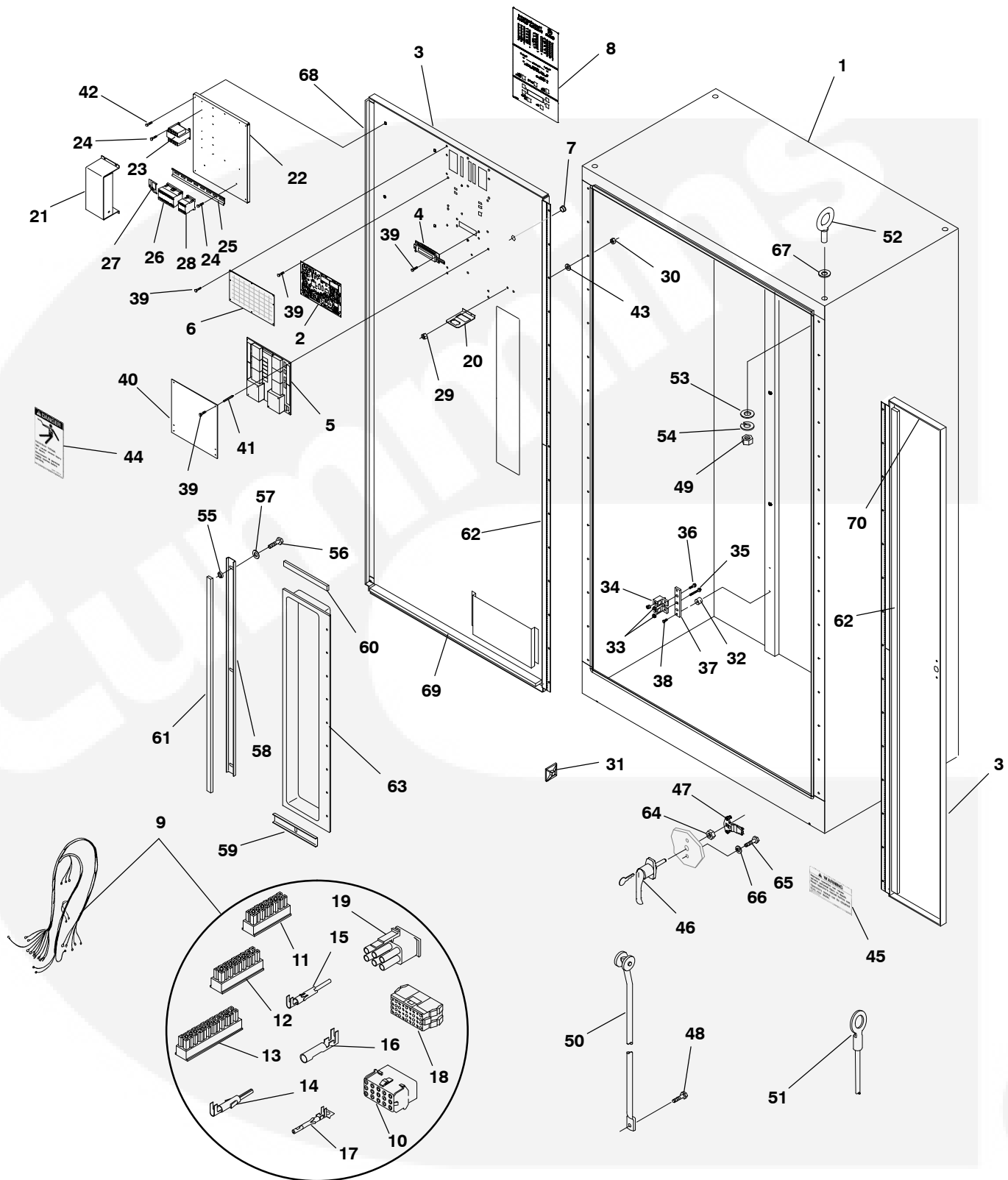
Cabinet Type 1



Cabinet Type 1

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4166-02	1	Box, Control	25	332-3087	1	Rail, Terminal
2	300-5147-01	1	Board, Printed Circuit – Digital	26	307-2877	2	Contact, Interlocking
3			Door, Control	27	332-2878	4	Bracket, End – Terminal
	319-4164-02	1	Left Hand	28	307-2875	1	Relay, Control – 24 VAC
	319-4165-02	1	Right Hand	29	862-0026-53	2	Nut, Hex (M5)
4	300-5151	1	Module, Digital Display	30	870-0240	30	Nut, Self-Locking (10-32)
5			Board, Printed Circuit – Power	31	332-2420	8	Mount, Cable Tie
			Module	32	508-1067-02	1	Edging
	300-5149-06	1	208/220/240/440/480 VAC	33	332-1348	2	Spacer, Neutral Bar
	300-5149-07	1	600 VAC	34	870-0257	3	Nut, Hex – Locking (5/16-18)
	300-5149-08	1	190/380/416 VAC	35	332-2016	3	Lug, Solderless
6	300-5180	1	Board, Printed Circuit – Bar	36	821-0023	1	Screw, Self-Locking – Flange
			Graph				Head (5/16-18 x 1-1/2)
7	517-0137	5	Plug, Hole	37	821-0020	2	Screw, Self-Locking – Flange
8			Panel, Membrane				Head (5/16-18 x 1-1/2)
	300-5186	1	Without Bar Graph	38	332-0772	1	Connector, Neutral Bar
	300-5271	1	With Bar Graph	39	815-0567	2	Screw, Hex Head – Thread
9	338-3902	1	Harness, Control (Includes				Cutting (5/16-18 x 1.25)
			Parts Marked *)	40	815-0959-03	26	Screw, Pan Head – Cross
10	323-1253	1	* Cap, Connector (15 Pin) (J10)				Recessed (M3 x 8)
11	323-1806-08	1	* Connector, Receptacle (16	41	306-4523	1	Cover, Printed Circuit Board
			Place) (J13)	42	870-2216	4	Standoff, Male Snap
12	323-1806-09	1	* Connector, Receptacle (18	43	508-0231	5	Bumper
			Place) (J12)	44	815-0960-04	4	Screw, Pan Head – Cross
13	323-1806-12	1	* Connector, Receptacle (24				Recessed (M4 x 12)
			Place) (J27)	45	098-5387	3	Label, Danger
14	323-1199	2	* Pin, Contact (P6)	46	098-5777-01	1	Label, Warning
15	323-1703	2	* Pin, Contact (P6)	47	406-0613	1	Handle, Door (Includes Key)
16	323-1200	13	* Socket, Contact (J10)	48	406-0649	1	Key, Replacement
17	332-3606	20	* Socket, Contact (J12, J13, J27)	49	306-3525	1	Latch, Cam (3 Point)
18	323-1525	1	* Plug, Connector (36 Place) (J1)	50	862-0008	4	Nut, Hex (3/4-10)
19	323-1317	1	* Plug, Connector (6 Place) (P6)	51	306-3526-07	2	Rod, Roller
20	306-3654	1	Bracket, Control Plug	52	226-4798	1	Lead – ATS Sensing
21	319-4176-02	1	Cover, Panel	53	306-3467	2	Rod, Guide
22	319-4177-02	1	Panel, Control – Mounting	54	403-2121	4	Eyebolt
23			Transformer, Power	55	526-0238	4	Washer, Flat (3/4)
	315-0693-02	2	190/208/220/240/480 VAC	56	850-0079	4	Washer, Lock (3/4)
	315-0693-03	2	380/416 VAC				
	315-0693-04	2	600 VAC				
24	815-0652	10	Screw, Hex Head – Thread	* Parts Included in 338-3902 Wiring Harness			
			Forming (10-32 x .50)				

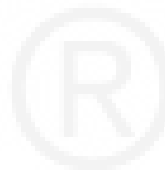
Cabinet Type 3R



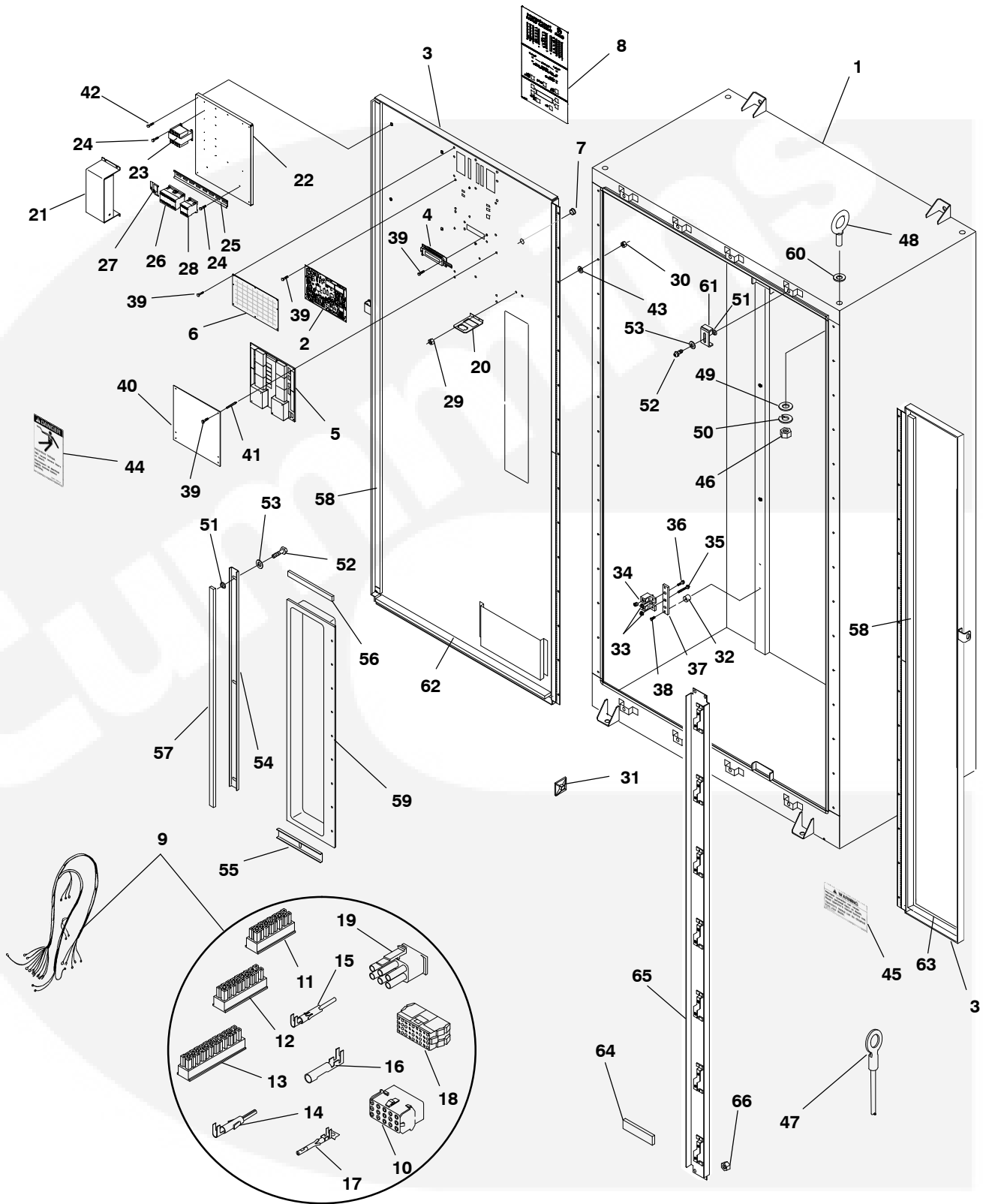
Cabinet Type 3R

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4169-02	1	Box, Control	33	870-0257	3	Nut, Hex – Locking (5/16–18)
2	300-5147-01	1	Board, Printed Circuit – Digital	34	332-2016	3	Lug, Solderless
3			Door, Control	35	821-0023	1	Screw, Self-Locking – Flange Head (5/16–18 x 1-1/2)
	319-4167-02	1	Left Hand	36	821-0020	2	Screw, Self-Locking – Flange Head (5/16–18 x 1-1/2)
	319-4168-02	1	Right Hand	37	332-0772	1	Connector, Neutral Bar
4	300-5151	1	Module, Digital Display	38	815-0567	2	Screw, Hex Head – Thread Cutting (5/16–18 x 1.25)
5			Board, Printed Circuit – Power Module	39	815-0959-03	26	Screw, Pan Head – Cross Recessed (M3 x 8)
	300-5149-06	1	208/220/240/440/480 VAC	40	306-4523	1	Cover, Printed Circuit Board
	300-5149-07	1	600 VAC	41	870-2216	4	Standoff, Male Snap
	300-5149-08	1	190/380/416 VAC	42	815-0960-04	4	Screw, Pan Head – Cross Recessed (M4 x 12)
6	300-5180	1	Board, Printed Circuit – Bar Graph	43	508-0233	30	Washer, Rubber
7	517-0266	5	Plug, Hole	44	098-5387	3	Label, Danger
8			Panel, Membrane	45	098-5777-01	1	Label, Warning
	300-5392	1	Without Bar Graph	46	406-0775	1	Handle, Door (Includes 2 Keys)
	300-5393	1	With Bar Graph	47	306-4126	1	Latch, Cam (3 Point)
9	338-3902	1	Harness, Control (Includes Parts Marked *)	48	406-0510	2	Bolt, Cam
10	323-1253	1	* Cap, Connector (15 Pin) (J10)	49	862-0008	4	Nut, Hex (3/4–10)
11	323-1806-08	1	* Connector, Receptacle (16 Place) (J13)	50	306-4125	2	Rod, Roller
12	323-1806-09	1	* Connector, Receptacle (18 Place) (J12)	51	226-4798	1	Lead – ATS Sensing
13	323-1806-12	1	* Connector, Receptacle (24 Place) (J27)	52	403-2121	4	Eyebolt
14	323-1199	2	* Pin, Contact (P6)	53	526-0238	4	Washer, Flat (3/4)
15	323-1703	2	* Pin, Contact (P6)	54	850-0079	4	Washer, Lock (3/4)
16	323-1200	13	* Socket, Contact (J10)	55	406-0519	5	Spring, Conical
17	332-3606	20	* Socket, Contact (J12, J13, J27)	56	812-0177	5	Screw, Round Head (5/16–18 x .75)
18	323-1525	1	* Plug, Connector (36 Place) (J1)	57	526-0022	5	Washer, Flat (5/16)
19	323-1317	1	* Plug, Connector (6 Place) (P6)	58	319-1531-01	1	Clamp, Cover
20	306-3654	1	Bracket, Control Plug	59	319-1530-01	2	Clamp, Cover
21	319-4176-02	1	Cover, Panel	60	895-0329-01	2	Gasket, Door
22	319-4177-02	1	Panel, Control – Mounting	61	895-0329-02	2	Gasket, Door
23			Transformer, Power	62	895-0328-04	2	Gasket, Door
	315-0693-02	2	190/208/220/240/480 VAC	63	319-4441	1	Cover, Operator Panel
	315-0693-03	2	380/416 VAC	64	862-0003	2	Nut, Hex (3/8–16)
	315-0693-04	2	600 VAC	65	813-0098	2	Screw, Machine – Round Head (10–32 x .38)
24	815-0652	10	Screw, Hex Head – Thread Forming (10–32 x .50)	66	853-0008	2	Washer, Lock – W/ET (#10)
25	332-3087	1	Rail, Terminal	67	508-0243	4	Washer, Rubber
26	307-2877	2	Contact, Interlocking	68	895-0342	1	Gasket, Door
27	332-2878	4	Bracket, End – Terminal	69	895-0343	2	Gasket, Door
28	307-2875	1	Relay, Control – 24 VAC	70	895-0344	2	Gasket, Door
29	862-0026-53	2	Nut, Hex (M5)				
30	870-0240	30	Nut, Self-Locking (10–32)				
31	332-2420	8	Mount, Cable Tie				
32	332-1348	2	Spacer, Neutral Bar				

* Parts Included in 338-3902 Wiring Harness



Cabinet Type 4 and 12 and 4X



Cabinet Type 4 and 12 and 4X

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Box, Control	30	870-0240	30	Nut, Self-Locking (10-32)
	319-4172-02	1	Type 4 and 12	31	332-2420	8	Mount, Cable Tie
	319-6658	1	Type 4X	32	332-1348	2	Spacer, Neutral Bar
2	300-5147-01	1	Board, Printed Circuit – Digital	33	870-0257	3	Nut, Hex – Locking (5/16-18)
3			Door, Control	34	332-2016	3	Lug, Solderless
	319-4170-02	1	Left Hand – Type 4 and 12	35	821-0023	1	Screw, Self-Locking – Flange Head (5/16-18 x 1-1/2)
	319-4171-02	1	Right Hand – Type 4 and 12				
	319-6661	1	Left Hand – Type 4X	36	821-0020	2	Screw, Self-Locking – Flange Head (5/16-18 x 1-1/2)
	319-6662	1	Right Hand – Type 4X				
4	300-5151	1	Module, Digital Display	37	332-0772	1	Connector, Neutral Bar
5			Board, Printed Circuit – Power Module	38	815-0567	2	Screw, Hex Head – Thread Cutting (5/16-18 x 1.25)
	300-5149-06	1	208/220/240/440/480 VAC	39	815-0959-03	26	Screw, Pan Head – Cross Recessed (M3 x 8)
	300-5149-07	1	600 VAC				
	300-5149-08	1	190/380/416 VAC	40	306-4523	1	Cover, Printed Circuit Board
6	300-5180	1	Board, Printed Circuit – Bar Graph	41	870-2216	4	Standoff, Male Snap
7	517-0266	5	Plug, Hole	42	815-0960-04	4	Screw, Pan Head – Cross Recessed (M4 x 12)
8			Panel, Membrane	43	508-0233	30	Washer, Rubber
	300-5392	1	Without Bar Graph	44	098-5387	3	Label, Danger
	300-5393	1	With Bar Graph	45	098-5777-01	1	Label, Warning
9	338-3902	1	Harness, Control (Includes Parts Marked *)	46	862-0008	4	Nut, Hex (3/4-10)
10	323-1253	1	* Cap, Connector (15 Pin) (J10)	47	226-4798	1	Lead – ATS Sensing
11	323-1806-08	1	* Connector, Receptacle (16 Place) (J13)	48			Eyebolt/Lifting Eye
					403-2121	4	Type 4 and 12
					403-6711	4	Type 4X
12	323-1806-09	1	* Connector, Receptacle (18 Place) (J12)	49	526-0238	4	Washer, Flat (3/4)
				50	850-0079	4	Washer, Lock (3/4)
13	323-1806-12	1	* Connector, Receptacle (24 Place) (J27)	51	506-0031	27	Spring, Conical
				52	800-0317	27	Screw, Round Head (5/16-18 x .75)
14	323-1199	2	* Pin, Contact (P6)				
15	323-1703	2	* Pin, Contact (P6)	53	526-2319	27	Washer, Flat (5/16)
16	323-1200	13	* Socket, Contact (J10)	54	319-6850	1	Clamp, Cover
17	332-3606	20	* Socket, Contact (J12, J13, J27)	55	319-6849	2	Clamp, Cover
18	323-1525	1	* Plug, Connector (36 Place) (J1)	56	895-0329-01	2	Gasket, Door
19	323-1317	1	* Plug, Connector (6 Place) (P6)	57	895-0329-02	2	Gasket, Door
20	306-3654	1	Bracket, Control Plug	58	895-0328-04	4	Gasket, Door
21	319-4176-02	1	Cover, Panel	59	319-1532	1	Cover, Operator Panel
22	319-4177-02	1	Panel, Control – Mounting	60	508-0243	4	Washer, Rubber
23			Transformer, Power	61	319-4725	22	Bracket, Door
	315-0693-02	2	190/220/240/480 VAC	62	895-0328-05	2	Gasket, Door
	315-0693-03	2	380/416 VAC	63	895-0328-06	2	Gasket, Door
	315-0693-04	2	600 VAC	64	895-0328-07	2	Gasket, Door
24	815-0652	10	Screw, Hex Head – Thread Forming (10-32 x .50)	65			Post, Center – Enclosure
					319-1969-01	1	Type 4 and 12
25	332-3087	1	Rail, Terminal		404-0003	1	Type 4X
26	307-2877	2	Contact, Interlocking	66	870-0212	4	Nut, Self-Locking (1/4-20)
27	332-2878	4	Bracket, End – Terminal				
28	307-2875	1	Relay, Control – 24 VAC				
29	862-0026-53	2	Nut, Hex (M5)				

* Parts Included in 338-3902 Wiring Harness

Plate – Open Construction

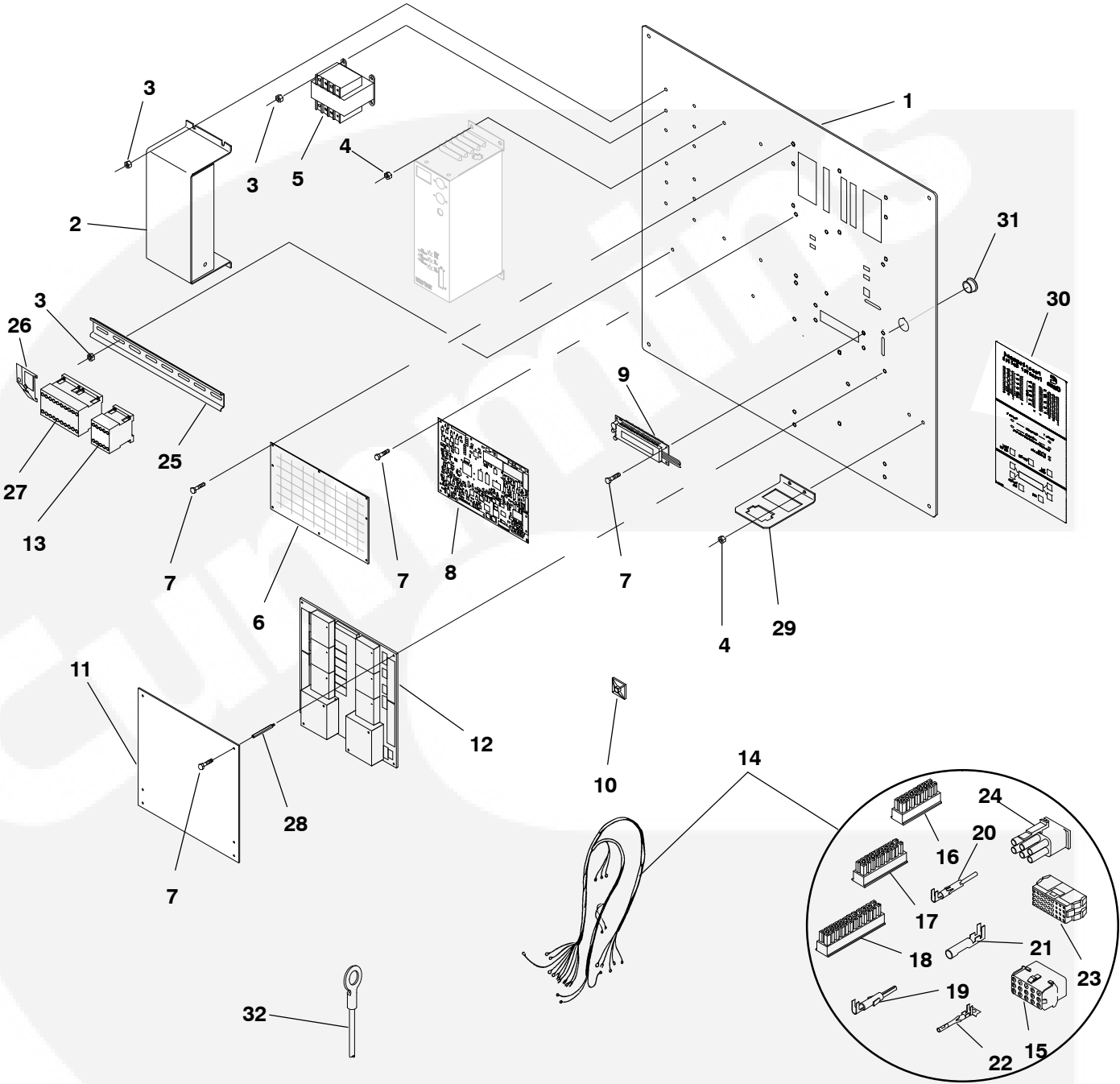
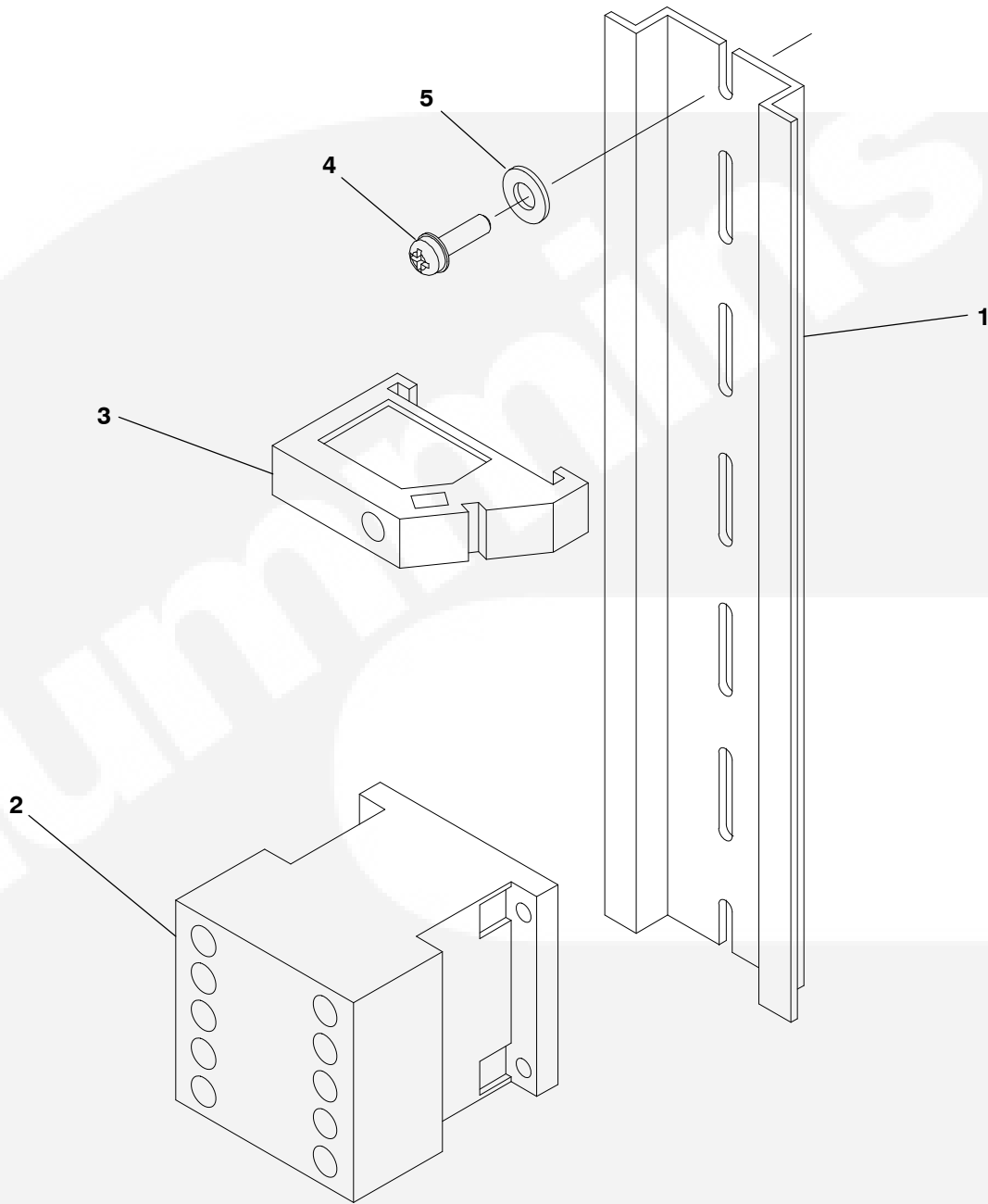


Plate – Open Construction

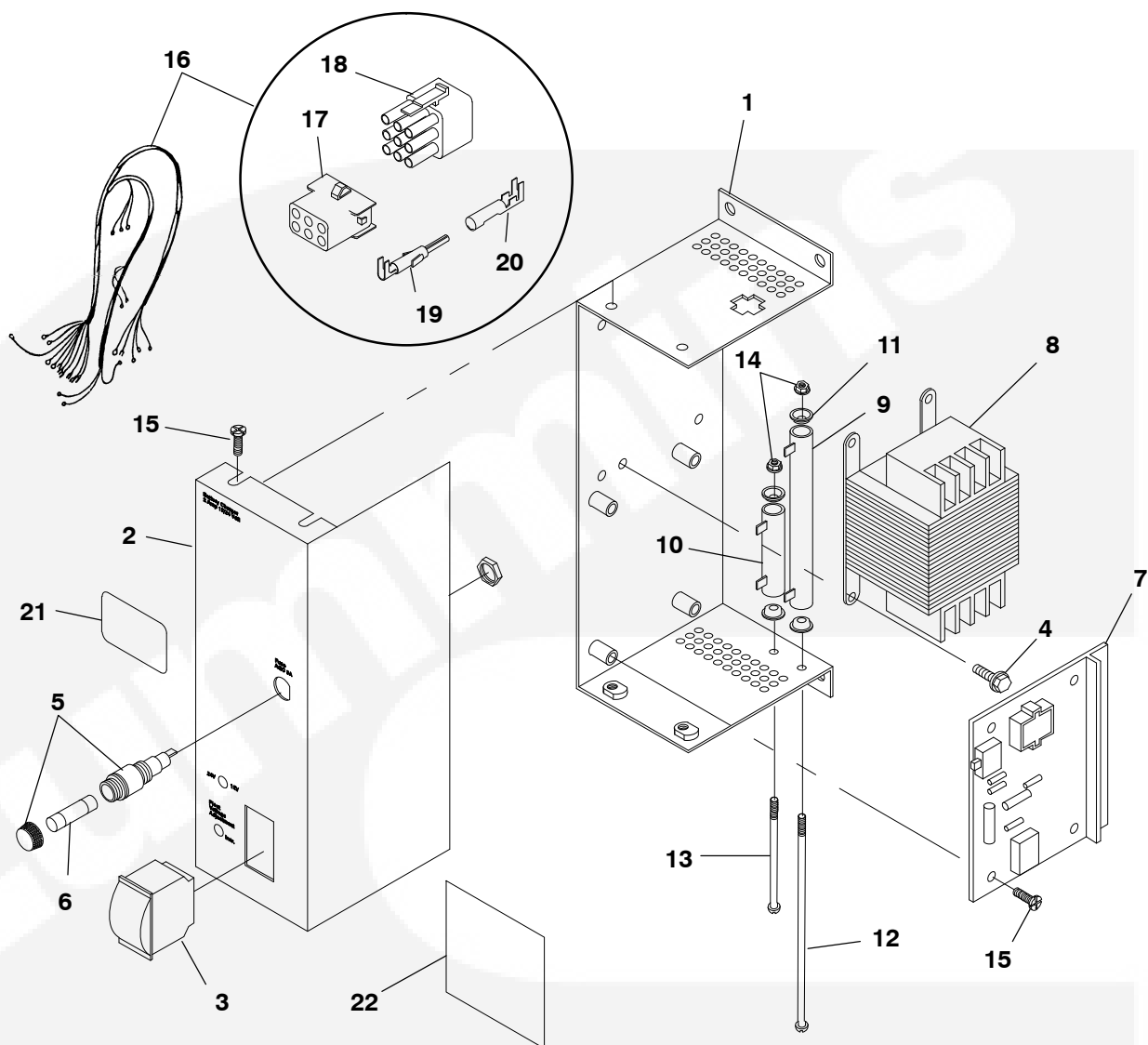
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4184-02	1	Plate, Open Construction	16	323-1806-08	1	* Connector, Receptacle (16 Place) (J13)
2	319-4176-02	1	Cover, Panel	17	323-1806-09	1	* Connector, Receptacle (18 Place) (J12)
3	860-2005	14	Nut, Hex (M4 x 0.7)	18	323-1806-12	1	* Connector, Receptacle (24 Place) (J27)
4	862-0026-53	6	Nut, Hex (M5 x 0.8)	19	323-1199	2	* Pin, Contact (P6)
5			Transformer, Power	20	323-1703	2	* Pin, Contact (P6)
	315-0693-02	2	190/208/220/240/480 VAC	21	323-1200	13	* Socket, Contact (J10)
	315-0693-03	2	380/416 VAC	22	332-3606	20	* Socket, Contact (J12, J13, J27)
	315-0693-04	2	600 VAC	23	323-1525	1	* Plug, Connector (36 Place) (J1)
6	300-5180	1	Board, Printed Circuit – Bar Graph	24	323-1317	1	* Plug, Connector (6 Place) (P6)
7	815-0959-03	26	Screw, Pan Head – Cross Recessed (M3 x 8)	25	332-3087	1	Rail, Terminal
8	300-5147-01	1	Board, Printed Circuit – Digital	26	332-2878	4	Bracket, End – Terminal
9	300-5151	1	Module, Digital Display	27	307-2877	2	Contact, Interlocking
10	332-2420	3	Mount, Cable Tie	28	870-2216	4	Standoff, Male Snap
11	306-4523	1	Cover, Printed Circuit Board	29	306-3654	1	Bracket, Control Plug
12			Board, Printed Circuit – Power Module	30			Panel, Membrane
	300-5149-06	1	208/220/240/440/480 VAC		300-5392	1	Without Bar Graph
	300-5149-07	1	600 VAC		300-5393	1	With Bar Graph
	300-5149-08	1	190/380/416 VAC	31	517-0266	1	Plug, Hole
13	307-2875	1	Relay, Control – 24 VAC	32	226-4798	1	Lead, ATS Sensing
14	338-3902	1	Harness, Control (Includes Parts Marked *)				
15	323-1253	1	* Cap, Connector (15 Pin) (J10)				* Parts Included in 338-3902 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	3	332-2878	2	Bracket, End
2	307-2873	1	Relay, Control	4	815-0955-03	2	Screw, Cap - Hex Head - Phillips - GND (M4 x 10)
	307-2874	1	12 VDC	5	526-0003	2	Washer, Flat (#8)
			24 VDC				

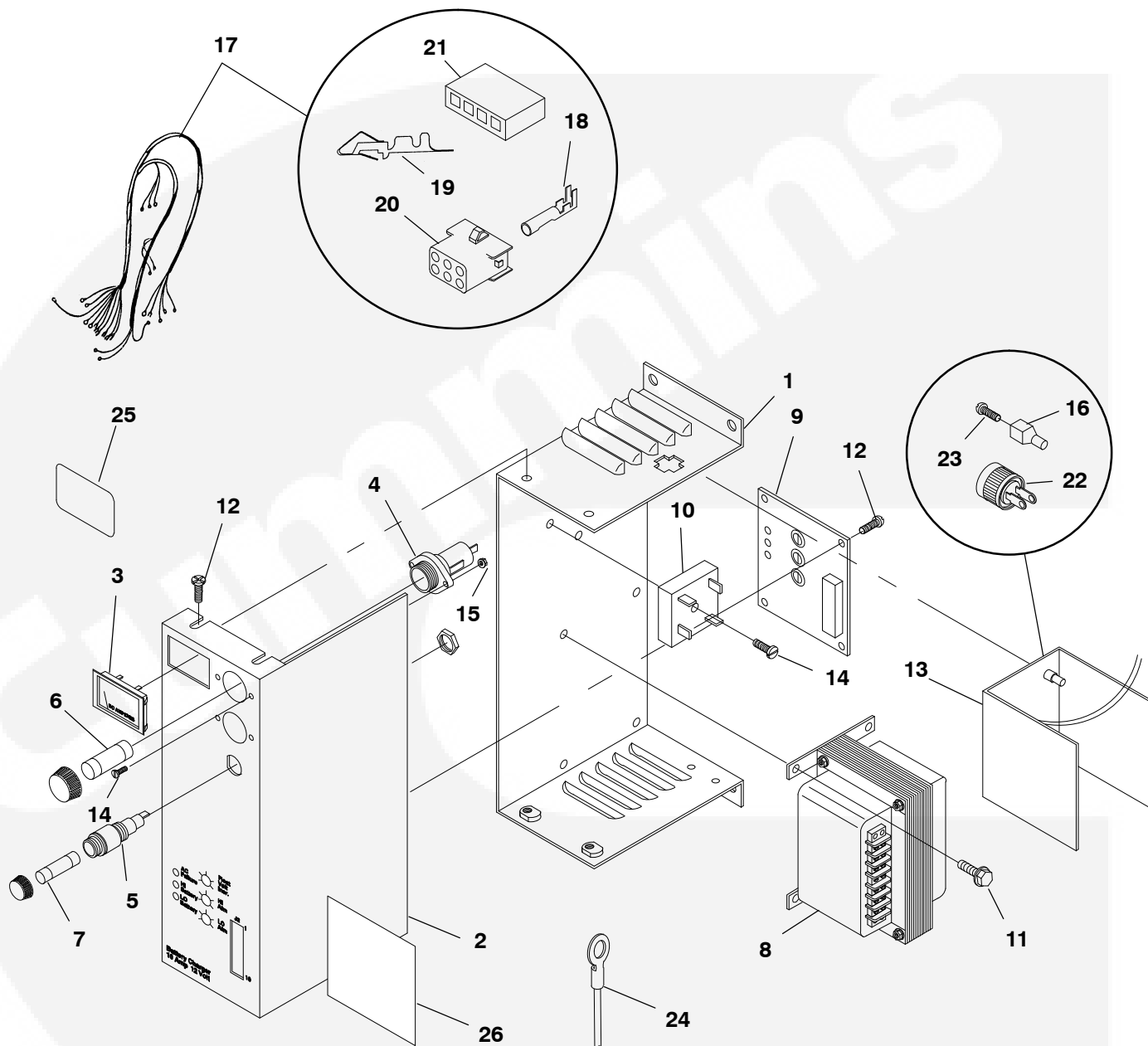
Battery Charger 2 Amp, 12/24 Volt



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	2	Nut, Hex – W/ET (#10-32)
3	302-0807	1	Ammeter, DC	15	815-0902	8	Screw, Pan Head – Cross Recessed – 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
	315-0621-02	1	208/240/480 Volt	21	099-2485	1	Label, Name Plate
	315-0621-03	1	380/416 Volt	22	098-5708	1	Label, Charger
	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

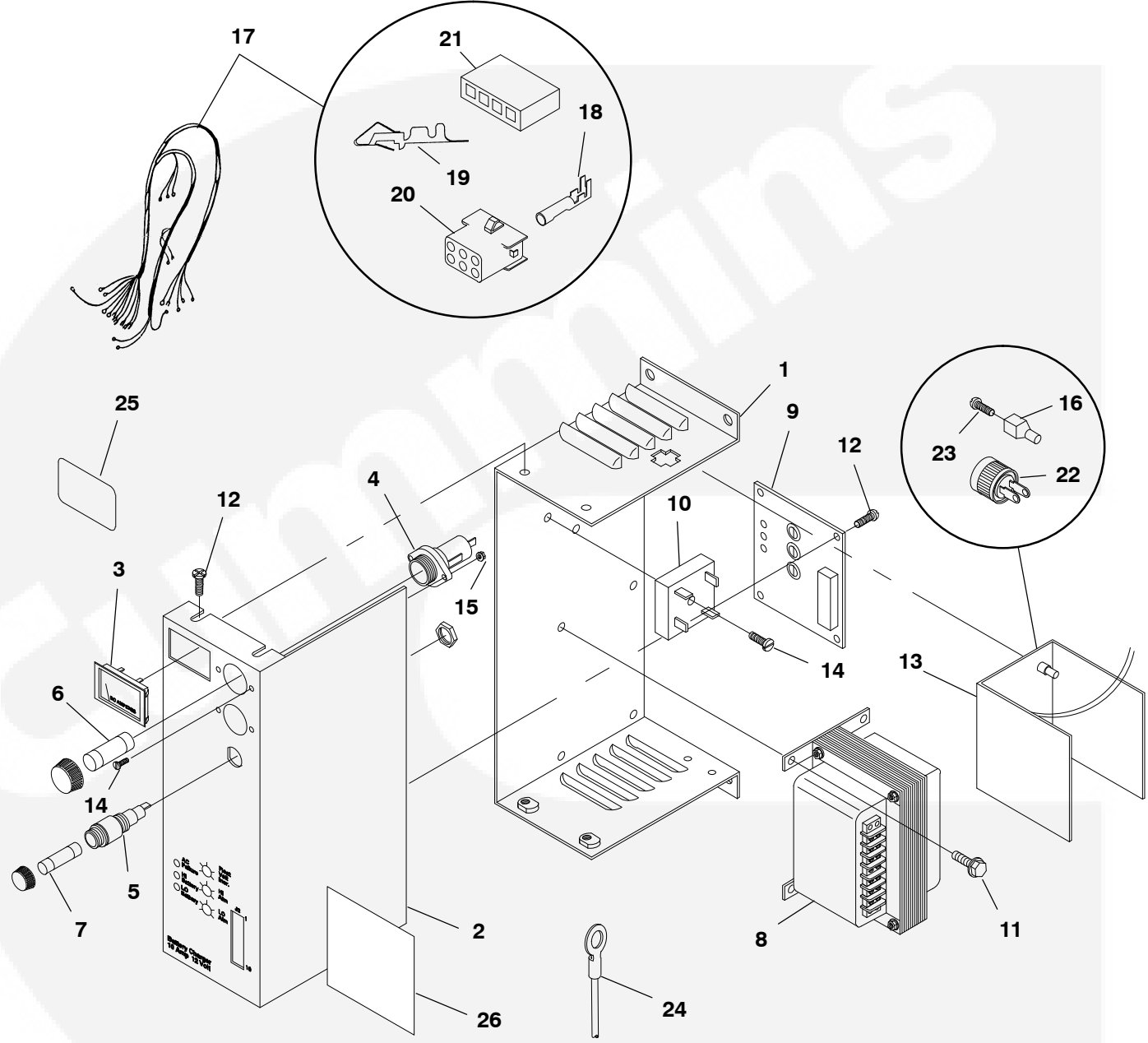
Battery Charger 10 Amp, 12 Volt



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	11	821-0040	4	Screw, Machine – Locking Head (#10-32 x 5/16)
2	319-0073	1	Cover, Charger – Battery	12	815-0902	8	Screw, Pan Head – Cross Recessed – W/ET (#6-32 x 3/8)
3	302-1844	1	Ammeter, DC	13	305-0781	1	Rectifier Assembly – SCR (12 Volt) (Includes Parts Marked *)
4	321-0237	2	Holder, Fuse (AC Input)	14	815-0539	6	Screw, Pan Head – W/ET (#8-32 x 5/8)
5	321-0175	1	Holder, Fuse (DC Output)	15	870-0221	5	Nut, Hex – W/ET (#8-32)
6			Fuse	16	870-0263	4	*Nut, Insulated (#8)
			50 Hertz	17	338-2223	1	Harness, Battery Charger (Includes Parts Marked #)
	321-0304-01	2	416/440 Volt	18	323-1200	A/R	#Socket, Terminal
	321-0304-02	2	380 Volt	19	323-1302	A/R	#Pin, Terminal
	321-0304-03	2	240 Volt	20	323-1318	1	#Cap, 6 pin
	321-0304-04	2	220 Volt	21	323-1374-05	1	#Plug, 5 pin
			60 Hertz	22	364-0003	1	*Rectifier, Gate (SCR)
	321-0304-01	2	480 Volt	23	809-0035	4	*Screw, Sheet Metal – Round Head (#8 x 3/4)
	321-0304-02	2	380 Volt	24	226-3554-02	1	Lead (Quantity Used as Required)
	321-0304-03	2	240 Volt	25	099-2485	1	Label, Name Plate
	321-0304-04	2	208 Volt	26	098-5808	1	Label, Charger
	321-0303-02	2	600 Volt				
7	321-0127	1	Fuse (15 Amp)				# – Parts Included in 338-2223 Wiring Harness
8			Transformer				* – Parts Included in 305-0781 Rectifier Assembly
			50 Hertz				
	315-0702	1	380 Volt				
	315-0704	1	220/416/440 Volt				
	315-0712	1	240 Volt				
			60 Hertz				
	315-0700	1	208/240 Volt				
	315-0706	1	380 Volt				
	315-0708	1	480 Volt				
	315-0710	1	600 Volt				
9	300-3160	1	PCB, Charger – Battery				
10	305-0653	1	Rectifier, Bridge				

Battery Charger
10 Amp, 24 Volt



Battery Charger 10 Amp, 24 Volt

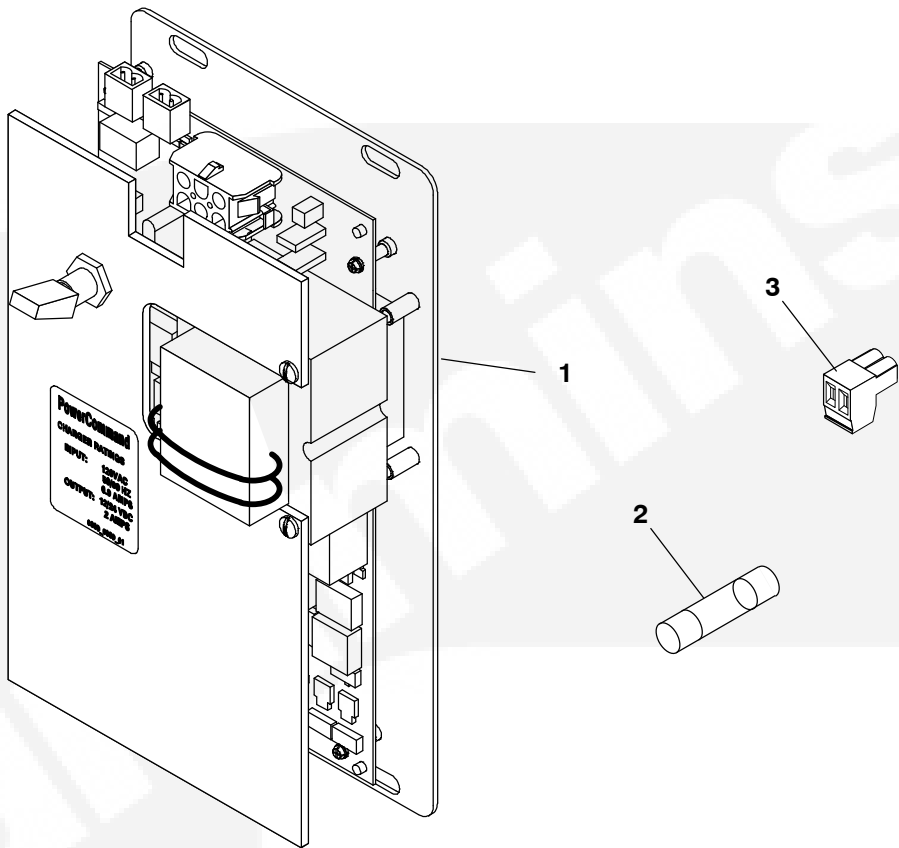
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0072	1	Wrapper, Charger – Battery	11	821-0040	4	Screw, Machine – Locking Head (#10-32 x 5/16)
2	319-0073	1	Cover, Charger – Battery (Includes Silkscreen)	12	815-0902	8	Screw, Pan Head – Cross Recessed – W/ET (#6-32 x 3/8)
3	302-1844	1	Ammeter, DC	13	305-0781	1	Rectifier Assembly – SCR (12 Volt) (Includes Parts Marked *)
4	321-0237	2	Holder, Fuse (AC Input)	14	815-0539	6	Screw, Pan Head – W/ET (#8-32 x 5/8)
5	321-0175	1	Holder, Fuse (DC Output)	15	870-0221	5	Nut, Hex – W/ET (#8-32)
6			Fuse	16	870-0263	4	*Nut, Insulated (#8)
			50 Hertz	17	338-2223	1	Harness, Battery Charger (Includes Parts Marked #)
	321-0304-04	2	380/416/440 Volt	18	323-1200	A/R	#Socket, Terminal
	321-0304-05	2	240 Volt	19	323-1302	A/R	#Pin, Terminal
	321-0304-06	2	220 Volt	20	323-1318	1	#Cap, 6 pin
			60 Hertz	21	323-1374-05	1	#Plug, 5 pin
	321-0303-02	2	600 Volt	22	364-0003	1	*Rectifier, Gate (SCR)
	321-0304-03	2	480 Volt	23	809-0035	4	*Screw, Sheet Metal – Round Head (#8 x 3/4)
	321-0304-04	2	380 Volt	24	226-3554-02	1	Lead (Quantity Used as Required)
	321-0304-05	2	240 Volt	25	099-2485	1	Label, Name Plate
	321-0304-06	2	208 Volt	26	098-5997	1	Label, Charger
7	321-0127	1	Fuse (15 Amp)				
8			Transformer				
			50 Hertz				
	315-0705	1	220/416/440 Volt				
	315-0703	1	380 Volt				
	315-0713	1	240 Volt				
			60 Hertz				
	315-0701	1	208/240 Volt				
	315-0707	1	380 Volt				
	315-0709	1	480 Volt				
	315-0711	1	600 Volt				
9	300-3244	1	PCB, Charger – Battery				
10	305-0653	1	Rectifier, Bridge				

– Parts Included in 338-2223 Wiring Harness

* – Parts Included in 305-0781 Rectifier Assembly

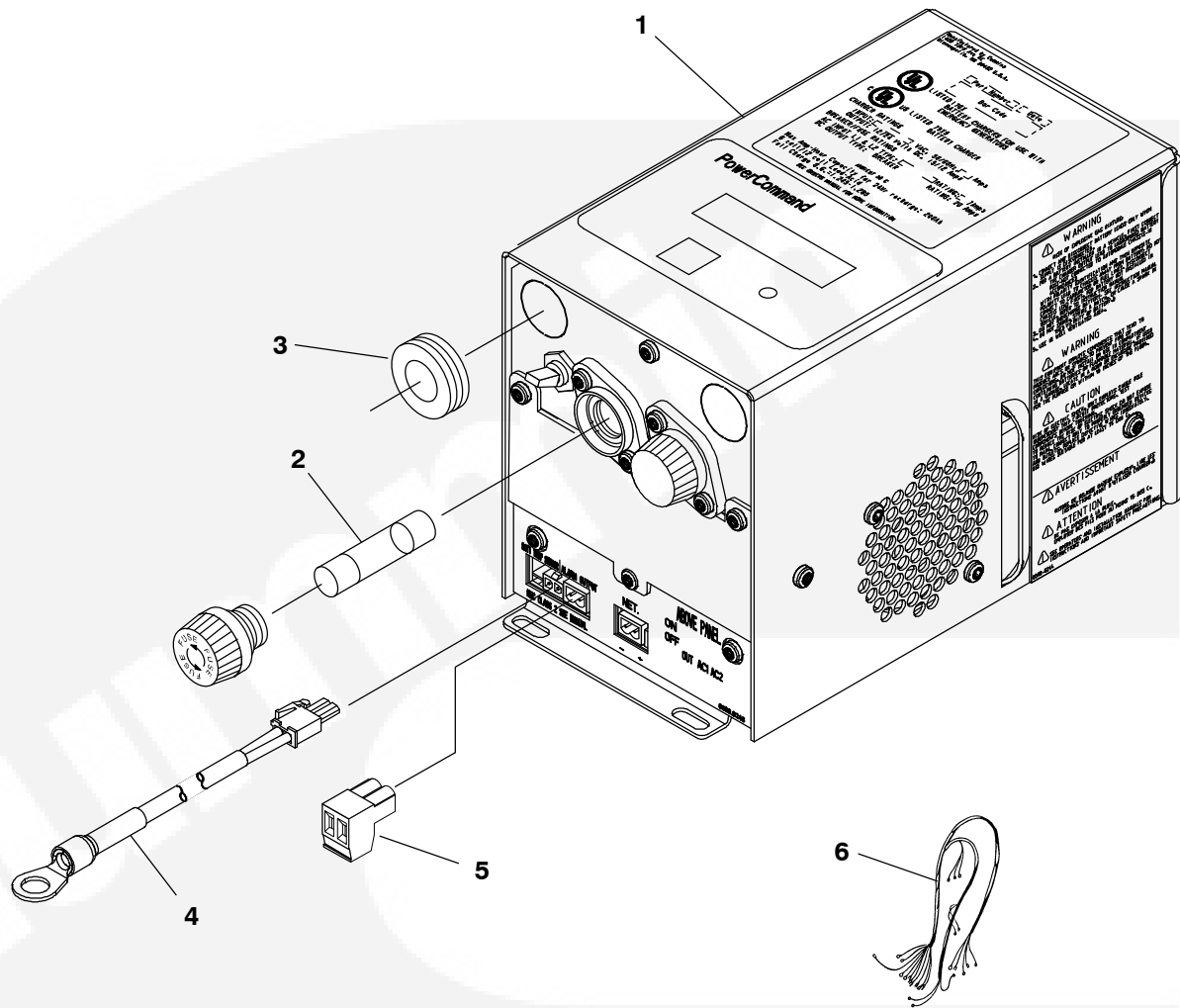


2 Amp Battery Charger



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			2 Amp Battery Charger (Includes 5 Amp Fuse [Item 2])	2	321-0298	2	Fuse, 5 Amp, 250V
	300-6000-01	1	120 VAC	3	323-1678-02	1	Connector, Fault Alarm Output
	300-6000-02	1	208 VAC				
	300-6000-03	1	240 VAC				
	300-6000-04	1	277 VAC				
	300-6000-05	1	380 VAC				
	300-6000-06	1	416 VAC				
	300-6000-07	1	480 VAC				
	300-6000-08	1	600 VAC				

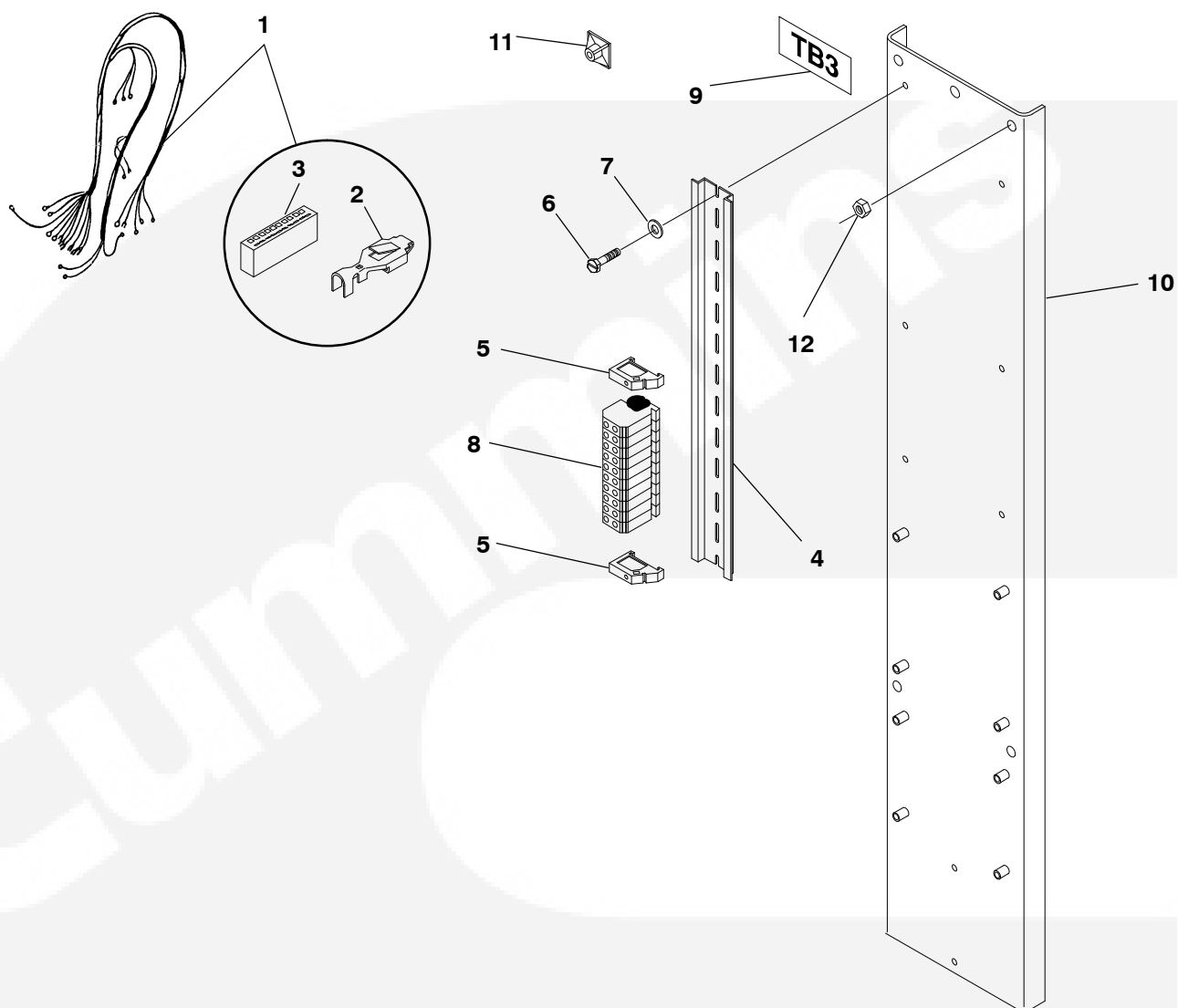
15 Amp Battery Charger



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Kit, Battery Charger
			Genset Kits
	300-5878-01	1	120, 208, 240 VAC
	300-5878-02	1	277 VAC
	300-5878-03	1	380 VAC
	300-5878-04	1	416 VAC
	300-5878-05	1	480 VAC
	300-5878-06	1	600 VAC
			Transfer Switch Kits
	300-5878-13	1	120, 208, 240 VAC
	300-5878-14	1	277 VAC
	300-5878-15	1	380 VAC
	300-5878-16	1	416 VAC
	300-5878-17	1	480 VAC
	300-5878-18	1	600 VAC

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2			Fuse
	0321-0405-01	2	5 Amp - 277 VAC
	0321-0405-02	2	3.5 Amp - 380 and 416 VAC
	0321-0405-03	2	2.5 Amp - 480 and 600 VAC
3			Grommet
	508-0071	1	Transfer Switch Installations
	508-0071	2	Genset Installations
4	541-0918	1	Sensor Kit, Battery Temperature
5	323-1678-02	1	Connector, Fault Alarm Output
6	338-4510	1	Harness, Battery Charger

Battery Charger Alarm

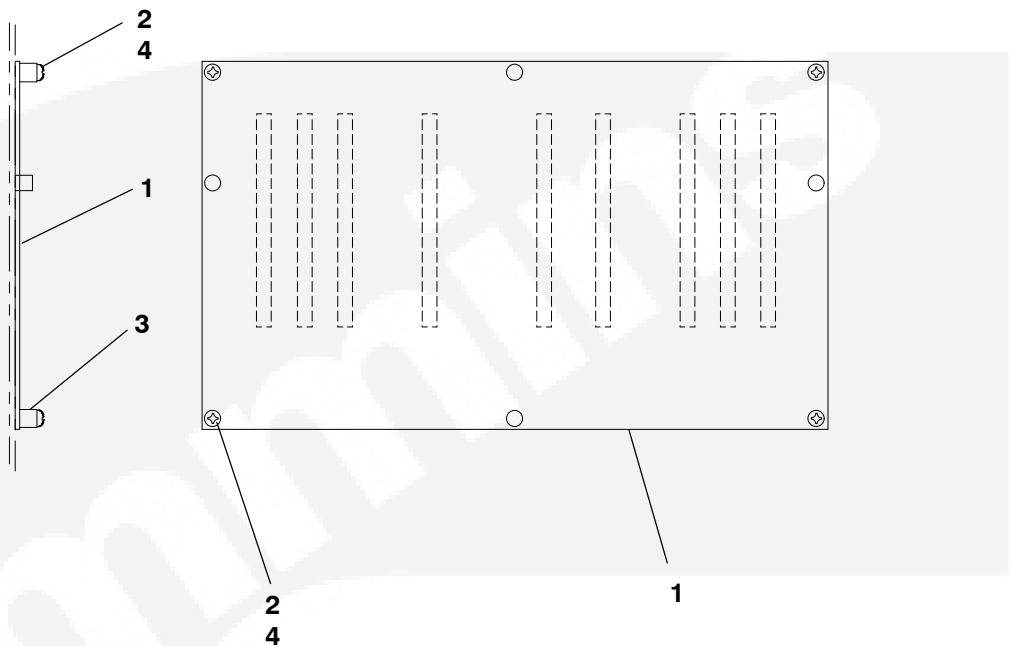


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-2350	1	Harness, Alarm (Includes Parts Marked *)
2	323-1302	9	* Pin, Contact (J2)
3	323-1374-10	1	* Housing, Connector (10 Pin) (J2)
4	332-2879-04	1	Rail, Terminal
5	332-2878	2	Bracket, End
6	815-0955-03	2	Screw, Cap - Hex Head - Phillips - GND (M4 x 10)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	526-0003	2	Washer, Flat (#8)
8	332-2836-02	1	Block, Terminal (Sectional)
9	098-5710	1	Label, Terminal Block
10	319-3943-01	1	Plate, Mounting
11	332-2420	2	Mount, Cable Tie
12	870-0212	4	Nut, Self-Locking (1/4-20)

* - Parts Included in 338-2350 Wiring Harness

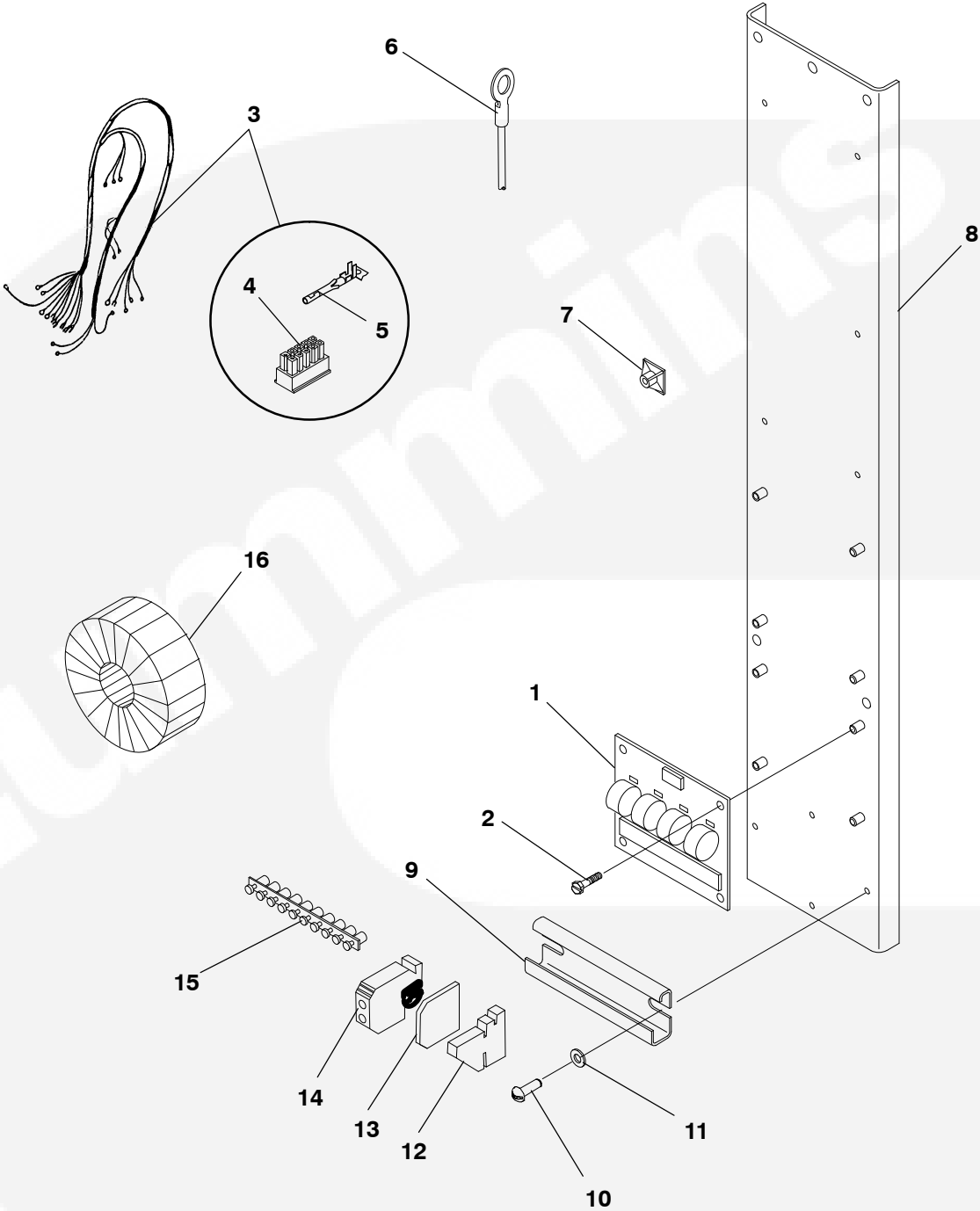
Bar Graph Display Cover
(Blank)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4139-01	1	Plate, Display Cover
2	815-0959-02	4	Screw, Cross Recessed – Pan Head (M3 x 0.5 x 7)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	870-2218-01	4	Standoff, Nylon
4	526-0257	4	Washer, Flat

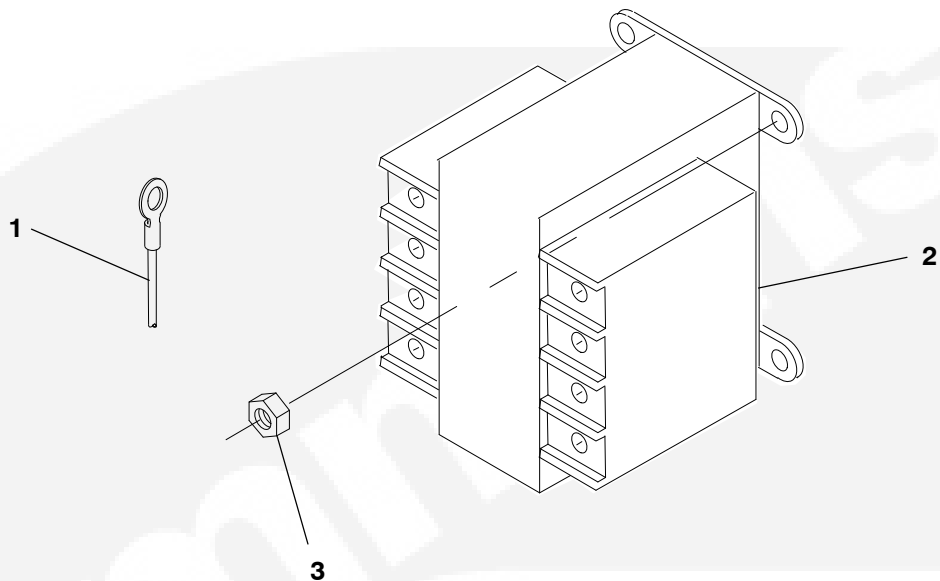
Current Transformer Module



Current Transformer Module

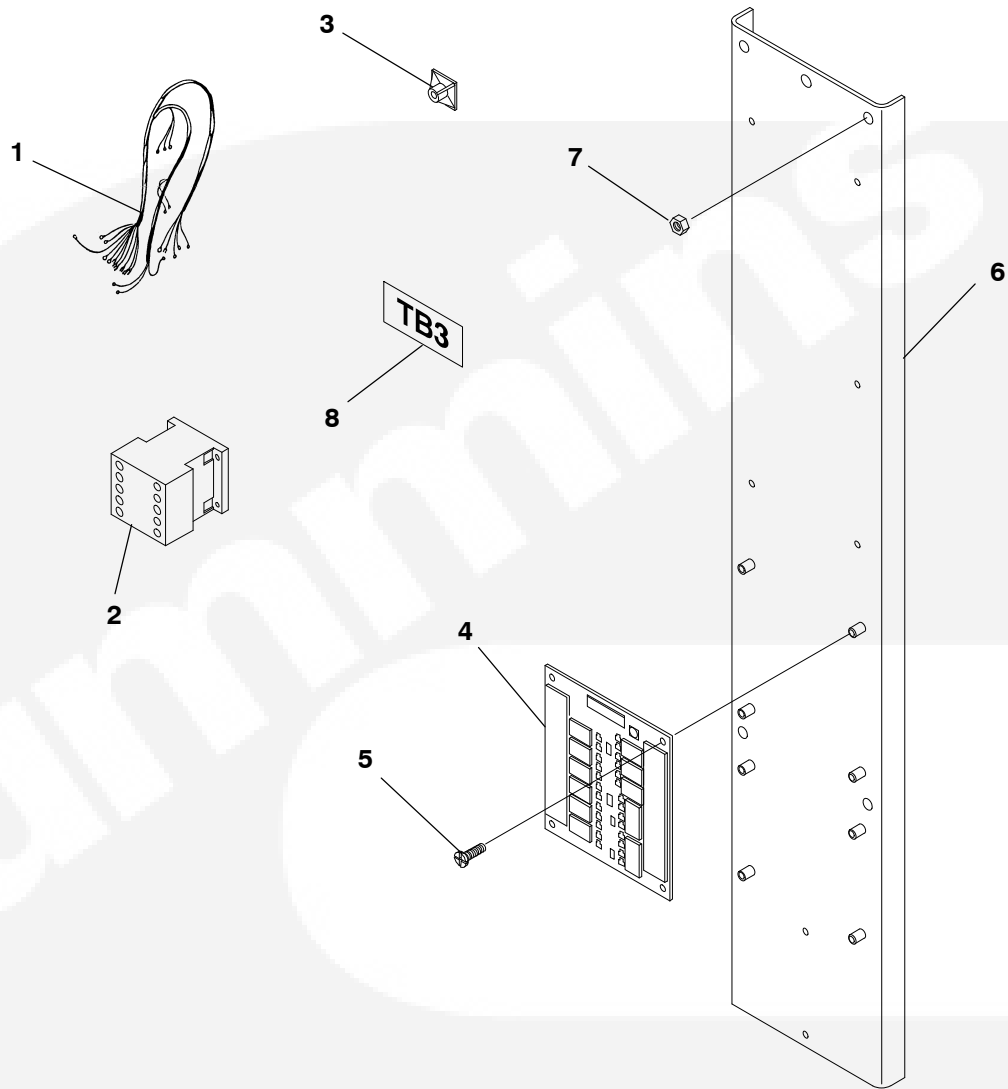
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5254	1	Board, Printed Circuit – Current Module	13	332-2841	1	Plate, End – Terminal
2	815-0959-02	4	Screw, Pan Head (M3 x 7)	14	332-2836-02	1	Block, Terminal – Sectional
3	338-3884-02	1	Harness, Current Module (Includes Parts Marked *)	15	332-2843-04	1	Jumper, Terminal (10 Pole)
4	323-1806-05	2	* Connector, Receptacle (10 Pin)	16			Transformer, Current
5	332-3606	20	* Socket, Contact		302-1395	3	600 Amp 1 Phase, 2 or 3 Wire
6	226-4794-03	1	Lead		302-1395	4	3 Phase, 3 or 4 Wire
7	332-2420	A/R	Mount, Cable Tie		302-1396	3	800 Amp 1 Phase, 2 or 3 Wire
8	319-3943-01	1	Plate, Mounting		302-1396	4	3 Phase, 3 or 4 Wire
9	332-2837-11	1	Rail, Terminal				1000 Amp
10	815-0955-03	2	Screw, Cap – Hex Head (M4 x 10)		302-1810	3	1 Phase, 2 or 3 Wire
11	526-0003	2	Washer, Flat		302-1810	4	3 Phase, 3 or 4 Wire
12	332-2839	2	Bracket, End – Terminal	* – Parts Included in 338-3884-01 Wiring Harness			

600 Volt Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Lead	2	315-0661	1	Transformer, Power
	226-4809-01	1	6.5" Long – Marked K2-5, K1-5	3	870-0212	4	Nut, Self-Locking (1/4-20)
	226-4809-02	1	6.5" Long – Marked K2-3, K1-3				
	226-4809-03	1	32.00" Long – Marked K6-3, J10-4				
	226-4809-04	1	32.00" Long – Marked K6-5, J10-9				
	226-4809-05	1	54.00" Long – Marked T4-X1, P10-4				
	226-4809-06	1	52.00" Long – Marked T4-H2, P10-9				
	226-4809-07	1	48.00" Long – Marked T4-H1, P10-7				

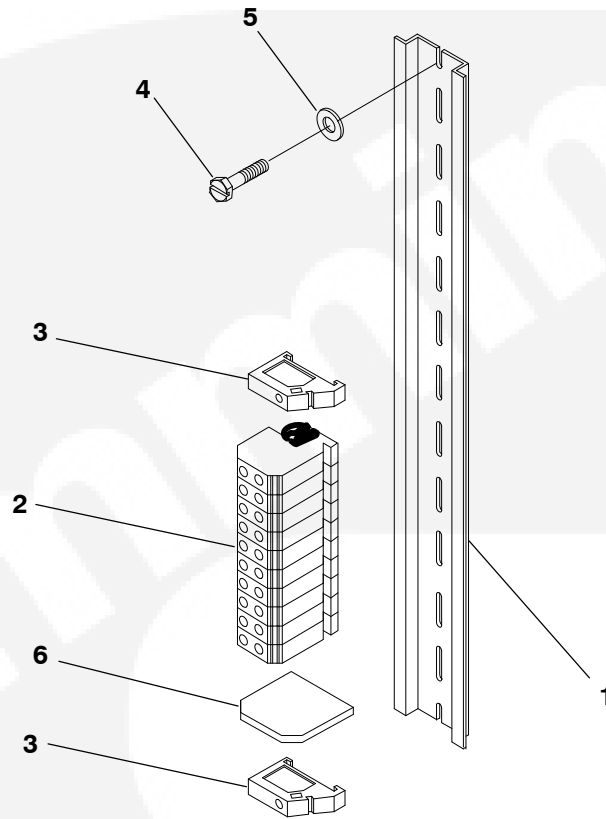
Load Shed



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3903	1	Harness, Load Shed
2	307-2875	1	Relay, Control
3	332-2420	2	Mount, Cable Tie
4	300-5152	1	Board, Printed Circuit - Relay Module

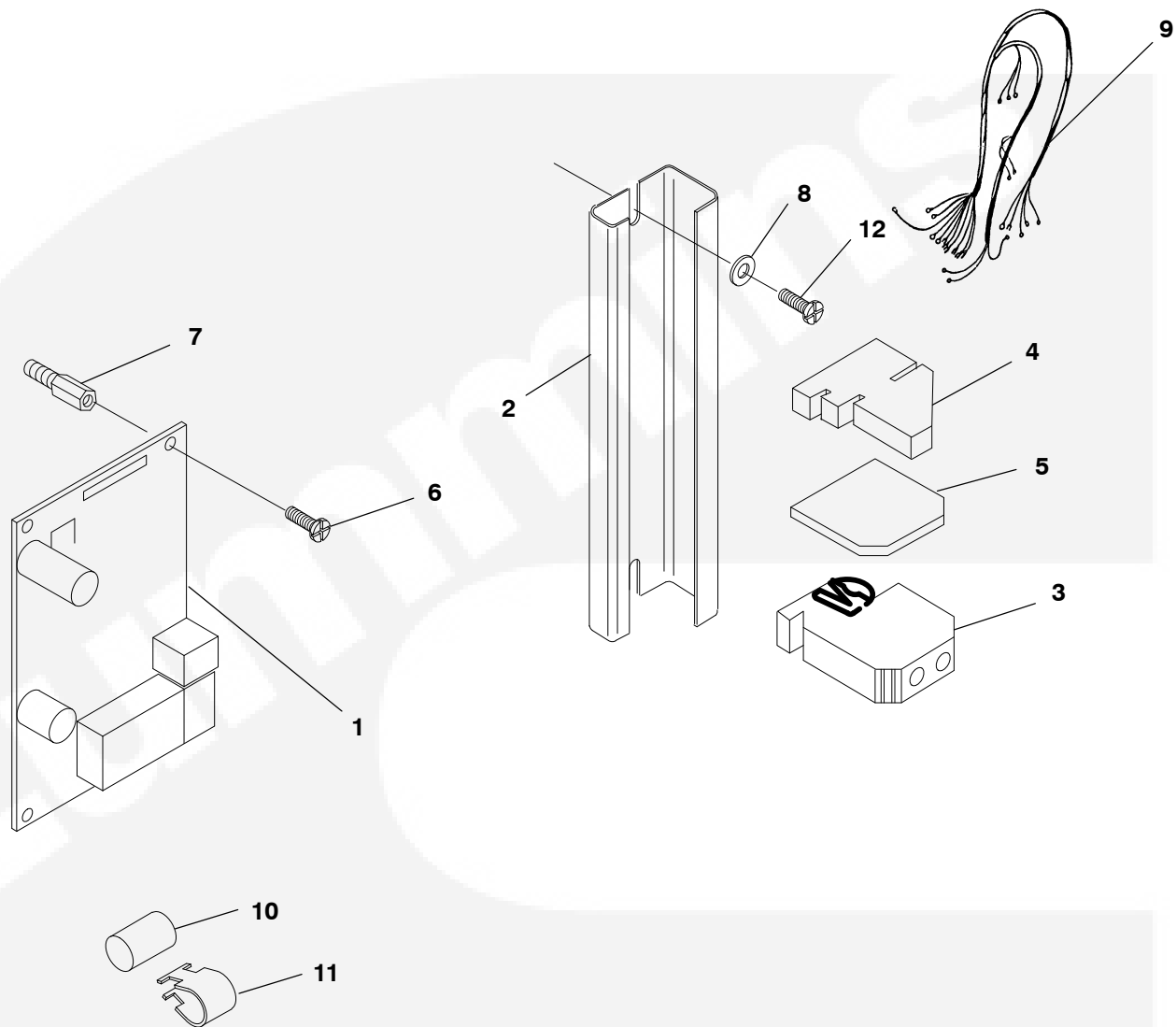
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	815-0959-03	4	Screw, Pan Head - Cross Recessed (M3 x 8)
6	319-3943-01	1	Plate, Mounting
7	870-0212	4	Nut, Self-Locking (1/4-20)
8	098-5710	1	Label, Terminal Block

Terminal Block



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	332-2836-02	3	Block, Terminal (Sectional)	6	332-2841	1	Plate, End - Terminal
3	332-2839	2	Bracket, End - Terminal				
4	815-0955-03	2	Screw, Cap - Hex Head - Phillips - GND (M4 x 10)				

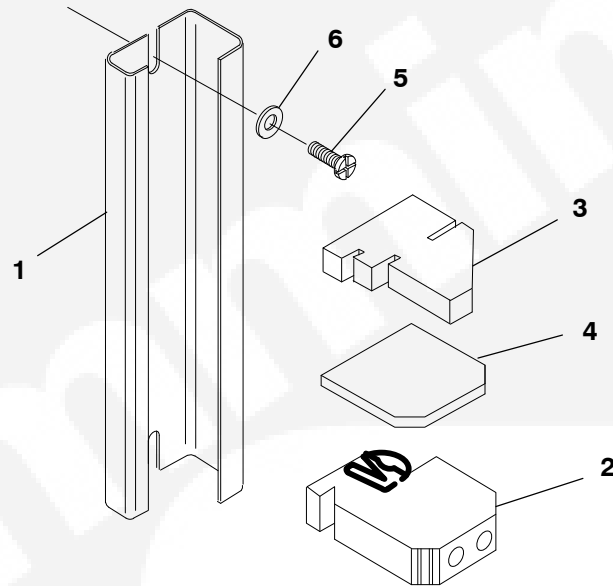
Network Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5153	1	Board, Printed Circuit – Network Module
2	332-2837-09	1	Rail, Terminal Block
3	332-2836-01	2	Block, Terminal (Sectional)
4	332-2839	2	Bracket, End – Terminal
5	332-2841	1	Plate, End – Terminal
6	815-0959-03	6	Screw, Pan Head – Cross Recessed (M3 x 0.5 x 8)

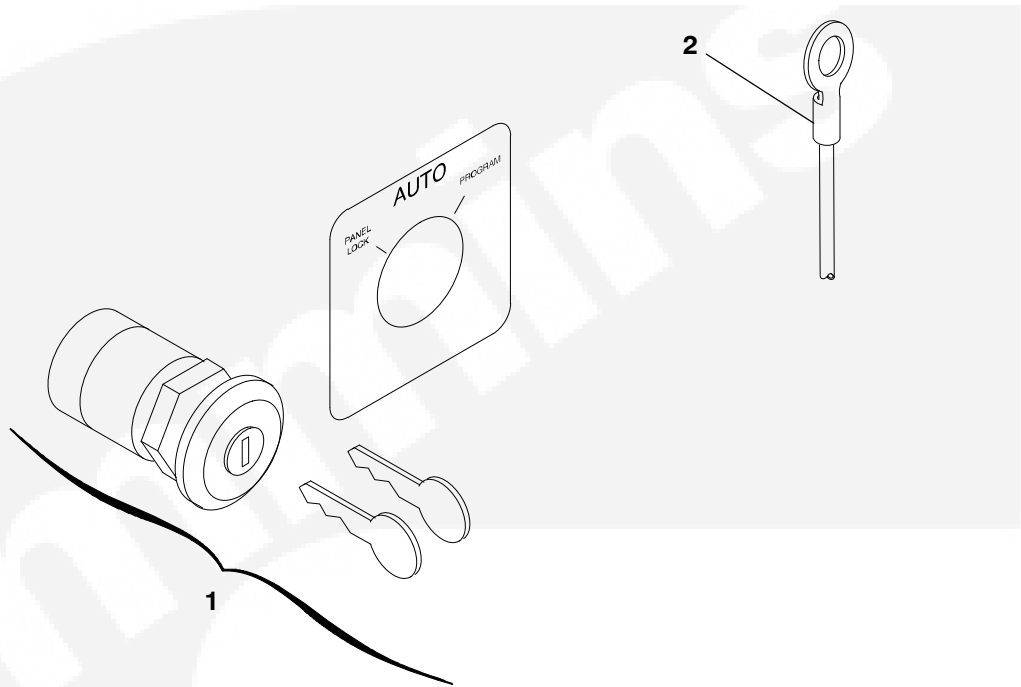
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	870-2213-02	4	Standoff, Hex Thread (M3)
8	526-0003	2	Washer, Flat
9	338-3886	1	Harness, Network
10		2	Battery – Lithium (3.0V) (Purchase Locally)
11	416-1049	2	Clip, Battery
12	815-0955-03	2	Screw, Cap – Hex Head – Phil – GND (M4 x 10)

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	815-0955-03	2	Screw, Cap – Hex Head – Phil – GND (M14 x 10)
2	332-2836-01	2	Block, Terminal (Sectional)	6	526-0003	2	Washer, Flat
3	332-2839	2	Bracket, End – Terminal				
4	332-2841	1	Plate, End – Terminal				

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 (Supplied With Legend Plate and 2 Keys)	2			Lead
	308-0989	2	Key, Spare		226-4794-01	1	14" (Marked S20-3 - J27-5)
					226-4794-02	1	16" (Marked S20-4 - J27-11)

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Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
098-5387, 23 , 33 , 35 , 37		300-5149-08, 33 , 35 , 37 , 39		304-0015, 41		306-3656, 11	
098-5708, 41		300-5151, 33 , 35 , 37 , 39		304-0037, 41		306-3659, 11	
098-5710, 48 , 53		300-5152, 53		304-0139, 41		306-3662, 23	
098-5777-01, 33 , 35 , 37		300-5153, 55		305-0653, 43 , 45		306-3665, 23	
098-5808, 43		300-5180, 33 , 35 , 37 , 39		305-0781, 43 , 45		306-3670, 11	
098-5997, 45		300-5186, 33		306-0508, 11 , 15 , 17 , 19 , 21		306-3684, 23	
098-6350, 24		300-5254, 51		306-0603, 25		306-3685, 23	
098-6351, 24		300-5271, 33		306-0603-01, 25		306-3713, 15 , 17 , 19 , 21	
098-6383, 23		300-5392, 35 , 37 , 39		306-0668, 11 , 15 , 17 , 19 , 21		306-3717, 15 , 17 , 19 , 21	
098-6643, 23		300-5393, 35 , 37 , 39		306-0669, 11 , 15 , 17 , 19 , 21		306-3718, 11	
098-6763, 17 , 21		300-5878-01, 47		306-1041, 11 , 15 , 17 , 19 , 21		306-3726, 24	
098-6917, 8		300-5878-02, 47		306-1398, 11 , 15 , 17 , 19 , 21		306-3731, 23	
098-7307, 24		300-5878-03, 47		306-1987, 11 , 23		306-3732, 23	
099-2485, 41 , 43 , 45		300-5878-04, 47		306-2276, 8		306-3733, 23	
166-0122, 11 , 15 , 17 , 19 , 21		300-5878-05, 47		306-2298, 25		306-3734, 23	
226-3380, 8		300-5878-06, 47		306-3391, 30		306-3740, 23 , 25	
226-3554-02, 43 , 45		300-5878-13, 47		306-3400-02, 8		306-3741, 24	
226-4333-01, 15		300-5878-14, 47		306-3435, 30		306-3750, 23	
226-4794-01, 57		300-5878-15, 47		306-3441, 11		306-3751, 24	
226-4794-02, 57		300-5878-16, 47		306-3448-02, 8		306-3753, 15 , 17 , 19 , 21	
226-4794-03, 51		300-5878-17, 47		306-3448-03, 8		306-3754, 24	
226-4798, 33 , 35 , 37 , 39		300-5878-18, 47		306-3448-04, 8		306-3760, 15 , 19	
226-4809-01, 52		300-6000-01, 46		306-3448-06, 8		306-3762, 11 , 31	
226-4809-02, 52		300-6000-02, 46		306-3448-07, 8		306-3763, 17 , 19 , 21	
226-4809-03, 52		300-6000-03, 46		306-3449, 11 , 19 , 21		306-3764, 31	
226-4809-04, 52		300-6000-04, 46		306-3467, 33		306-3765, 31	
226-4809-05, 52		300-6000-05, 46		306-3525, 33		306-3766-01, 11	
226-4809-06, 52		300-6000-06, 46		306-3526-07, 33		306-3776, 23	
226-4809-07, 52		300-6000-07, 46		306-3636, 23		306-3798, 15 , 17 , 19 , 21	
300-2946, 41		300-6000-08, 46		306-3638, 23		306-3799-01, 15 , 17 , 19 , 21	
300-3160, 43		301-6727, 37		306-3646, 24		306-3800-01, 23	
300-3244, 45		301-9990, 41		306-3650, 23		306-3801, 23	
300-5147-01, 33 , 35 , 37 , 39		301-9991, 41		306-3651, 24		306-3802-01, 11 , 15 , 17 , 19 , 21	
300-5149-06, 33 , 35 , 37 , 39		302-0807, 41		306-3652, 24		306-3803-01, 11	
300-5149-07, 33 , 35 , 37 , 39		302-1395, 51		306-3653, 24		306-3804, 11 , 15 , 17 , 19 , 21	
		302-1396, 51		306-3654, 33 , 35 , 37 , 39			
		302-1810, 51					
		302-1844, 43 , 45					

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
306-3805, 11 , 15 , 17 , 19 , 21		306-3930, 24		306-5159, 11		315-0710, 43	
306-3810-01, 23		306-3931, 23		306-5160, 11		315-0711, 45	
306-3811-01, 23		306-3939-01, 24		306-5220, 11		315-0712, 43	
306-3813-01, 23		306-3965, 23		306-5221, 11		315-0713, 45	
306-3814-01, 23		306-3975, 11		306-5280, 15		319-0072, 43 , 45	
306-3819, 23		306-3976, 11		307-2712, 24		319-0073, 43 , 45	
306-3820-01, 23		306-3985-01, 23		307-2873, 40		319-1530-01, 35 , 37	
306-3821-01, 23		306-3986-01, 23		307-2874, 40		319-1531-01, 35 , 37	
306-3824-01, 23		306-3987-01, 23		307-2875, 33 , 35 , 37 , 39 , 53		319-1969-01, 37	
306-3825-01, 23		306-3995-01, 11		307-2877, 33 , 35 , 37 , 39		319-3943-01, 48 , 51 , 53	
306-3826-01, 15 , 17 , 19 , 21		306-3996-01, 11		308-0957, 23		319-4139-01, 49	
306-3829-01, 23		306-4064-01, 11		308-0989, 23 , 57		319-4164-02, 33	
306-3830-01, 24		306-4065-01, 23		308-1094, 57		319-4165-02, 33	
306-3831-01, 23		306-4066-01, 24		308-1166, 30		319-4166-02, 33	
306-3832-01, 24		306-4125, 35		309-0611, 23		319-4167-02, 35	
306-3833, 24		306-4126, 35		309-0616, 11		319-4168-02, 35	
306-3834, 8		306-4162-01, 25		312-0206, 8		319-4169-02, 35	
306-3837-01, 11		306-4162-02, 25		312-0218, 8		319-4170-02, 37	
306-3841, 23		306-4310-01, 23		312-0233, 8		319-4171-02, 37	
306-3842, 23		306-4502-02, 24		312-0234, 8		319-4172-02, 37	
306-3845-01, 23		306-4503, 23		315-0621-02, 41		319-4176-02, 33 , 35 , 37 , 39	
306-3846, 11		306-4523, 33 , 35 , 37 , 39		315-0621-03, 41		319-4177-02, 33 , 35 , 37	
306-3847-01, 24		306-4751, 11 , 15 , 17 , 19 , 21 , 30		315-0621-04, 41		319-4184-02, 39	
306-3852, 11		306-4926, 11 , 15 , 17 , 19 , 21		315-0661, 52		319-4441, 35 , 37	
306-3854, 23		306-4980-01, 11 , 15 , 17		315-0693-02, 33 , 35 , 37 , 39		319-6658, 37	
306-3855-01, 15 , 17 , 19 , 21		306-4980-02, 11 , 15 , 17		315-0693-03, 33 , 35 , 37 , 39		319-6661, 37	
306-3860-01, 23		306-4982-01, 11 , 19 , 21		315-0693-04, 33 , 35 , 37 , 39		319-6662, 37	
306-3875-01, 23		306-4982-02, 11 , 19 , 21		315-0700, 43		320-0611, 8	
306-3895-01, 23				315-0701, 45		320-0612, 8	
306-3897, 8				315-0702, 43		321-0127, 43 , 45	
306-3898-01, 8				315-0703, 45		321-0153, 41	
306-3900-01, 23		306-5022-01, 11 , 15 , 17 , 19 , 21 , 25		315-0704, 43		321-0175, 41 , 43 , 45	
306-3904-01, 11		306-5022-02, 11 , 15 , 17 , 19 , 21 , 25		315-0705, 45		321-0237, 43 , 45	
306-3906-01, 23				315-0706, 43		321-0298, 46	
306-3907-01, 23		306-5154, 23		315-0707, 45		321-0303-02, 43 , 45	
306-3918, 23		306-5155, 23		315-0708, 43		321-0304-01, 43	
306-3921, 24		306-5156, 23		315-0709, 45		321-0304-02, 43	
306-3923, 23		306-5157, 23				321-0304-03, 43 , 45	

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
321-0304-04, 43 , 45		332-2744-06, 15 , 17 , 19 , 21		338-3884-02, 51		516-0255, 23	
321-0304-05, 45		332-2744-07, 26 , 27		338-3886, 55		517-0137, 33	
321-0304-06, 45		332-2832, 23		338-3902, 33 , 35 , 37 , 39		517-0266, 35 , 37 , 39	
321-0405-01, 47		332-2836-01, 55 , 56		338-3903, 53		518-0115, 11 , 23 , 24	
321-0405-02, 47		332-2836-02, 48 , 51 , 54		338-4510, 47		524-0659, 23	
321-0405-03, 47		332-2837-09, 54 , 55 , 56		364-0003, 43 , 45		526-0003, 13 , 15 , 17 , 19 , 21 , 40 , 48 , 51 , 54 , 55 , 56	
323-1199, 33 , 35 , 37 , 39 , 41		332-2837-11, 51		370-0042, 25		526-0009, 23	
323-1200, 33 , 35 , 37 , 39 , 41 , 43 , 45		332-2839, 51 , 54 , 55 , 56		370-0043, 25		526-0012, 23	
323-1253, 33 , 35 , 37 , 39		332-2841, 51 , 54 , 55 , 56		403-2121, 33 , 35 , 37		526-0018, 8 , 11 , 15 , 17 , 19 , 21 , 23 , 24	
323-1291, 41		332-2843-04, 51		403-6711, 37		526-0022, 35 , 37	
323-1302, 43 , 45 , 48		332-2878, 33 , 35 , 37 , 39 , 40 , 48		404-0003, 37		526-0029, 15 , 17 , 19 , 21 , 23	
323-1317, 33 , 35 , 37 , 39		332-2879-04, 40 , 48		406-00510, 35		526-0030, 13	
323-1318, 41 , 43 , 45		332-3059, 23		406-0519, 35		526-0219, 23	
323-1374-05, 43 , 45		332-3087, 33 , 35 , 37 , 39		406-0613, 33		526-0238, 33 , 35 , 37	
323-1374-10, 48		332-3091, 23		406-0649, 33		526-0257, 49	
323-1484, 11		332-3606, 33 , 35 , 37 , 39 , 51		406-0714, 23		541-0918, 47	
323-1525, 33 , 35 , 37 , 39		332-3786, 23		406-0775, 35		800-0003, 11 , 15 , 17 , 19 , 21	
323-1678-02, 46 , 47		337-2502-01, 15 , 19		416-1049, 55		800-0005, 23	
323-1703, 33 , 35 , 37 , 39		337-2503-01, 15 , 19		506-0031, 37		800-0007, 19 , 21	
323-1806-05, 51		337-2504-01, 15 , 17 , 19 , 21		508-0071, 47		800-0008, 8 , 15 , 17 , 19 , 21	
323-1806-08, 33 , 35 , 37 , 39		337-2506-01, 15 , 17 , 19 , 21		508-0195, 23		800-0009, 15 , 17 , 19 , 21	
323-1806-09, 33 , 35 , 37 , 39		337-2507-01, 11		508-0231, 33		800-0011, 15 , 17 , 19 , 21	
323-1806-12, 33 , 35 , 37 , 39		337-2511, 26		508-0233, 35 , 37		800-0048, 26 , 27	
332-0772, 33 , 35 , 37		337-2529-01, 27		508-0243, 35 , 37		800-0049, 26	
332-1348, 33 , 35 , 37		337-2539-01, 11		508-0253, 11 , 23		800-0050, 19 , 21	
332-1557, 29		337-2540-01, 11		508-1067-02, 33		800-0051, 13 , 15 , 17 , 19 , 21 , 23	
332-2016, 33 , 35 , 37		337-2556-01, 17 , 21		516-0037, 24		800-0052, 13 , 15 , 17 , 19 , 21	
332-2420, 15 , 23 , 33 , 35 , 37 , 39 , 48 , 51 , 53		337-2557-01, 17 , 21		516-0040, 15 , 17 , 19 , 21		800-0053, 13 , 15 , 17 , 19 , 21	
332-2564, 15 , 17 , 19 , 21 , 26 , 27		338-2149, 41		516-0042, 23		800-0054, 13 , 15 , 17 , 19 , 21 , 27 , 29	
332-2605, 23		338-2223, 43 , 45		516-0104, 23		800-0055, 15 , 17 , 19 , 21	
332-2660, 28		338-2350, 48		516-0151, 24			
332-2736, 29		338-2749, 11		516-0202, 23			
		338-3810-01, 23		516-0233, 11 , 23			
				516-0234, 23			
				516-0235, 23			
				516-0237, 24			
				516-0238, 15 , 17 , 19 , 21			
				516-0253, 23			

Numerical Index

<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>	<u>Part No.</u>	<u>Page</u>
800-0091, 13 , 15 , 17 , 19 , 21		815-0795, 23		870-0131, 8 , 24 , 41			
800-0092, 15 , 17 , 19 , 21		815-0799-01, 29		870-0183, 8 , 23			
800-0185, 8		815-0902, 41 , 43 , 45		870-0188, 23			
800-0317, 37		815-0955-03, 40 , 48 , 51 , 54 , 55 , 56		870-0201, 30			
809-0035, 43 , 45		815-0959-02, 49 , 51		870-0212, 23 , 37 , 48 , 52 , 53			
812-0059, 13		815-0959-03, 33 , 35 , 37 , 39 , 53 , 55		870-0221, 43 , 45			
812-0062, 8		815-0960-04, 33 , 35 , 37		870-0235, 31			
812-0068, 23				870-0240, 33 , 35 , 37			
812-0072, 11 , 23		821-0020, 33 , 35 , 37		870-0257, 23 , 33 , 35 , 37			
812-0087, 11 , 15 , 17 , 19 , 21 , 31		821-0023, 33 , 35 , 37		870-0263, 43 , 45			
812-0177, 35		821-0040, 41 , 43 , 45		870-0298, 31			
813-0098, 35		822-0085, 28		870-0469, 23			
813-0105, 25		822-0091, 28		870-0495, 15 , 19			
813-0107, 25		850-0025, 13 , 15 , 17 , 19 , 21		870-2213-02, 55			
813-0110, 31		850-0030, 11 , 15 , 17 , 19 , 21		870-2216, 33 , 35 , 37 , 39			
813-0112, 41		850-0039, 28		870-2218-01, 49			
813-0116, 41		850-0040, 8 , 11 , 15 , 17 , 19 , 21 , 23		895-0328-04, 35 , 37			
815-0029, 8 , 24		850-0050, 15 , 17 , 19 , 21 , 23 , 26 , 27		895-0328-05, 37			
815-0157, 23		850-0060, 29		895-0328-06, 37			
815-0261, 11 , 15 , 17 , 19 , 21		850-0079, 33 , 35 , 37		895-0328-07, 37			
815-0285, 24		851-0022, 13 , 15 , 17 , 19 , 21 , 26 , 27 , 29		895-0329-01, 35 , 37			
815-0290, 8 , 13 , 23		851-0023, 13 , 15 , 17 , 19 , 21		895-0329-02, 35 , 37			
815-0446, 11 , 15 , 17 , 19 , 21		851-0027, 15 , 17 , 19 , 21		895-0342, 35			
815-0447, 11				895-0343, 35			
815-0449, 15 , 17 , 19 , 21				895-0344, 35			
815-0485, 11 , 15 , 17 , 19 , 21		853-0003, 11					
815-0539, 43 , 45		853-0008, 35					
815-0567, 33 , 35 , 37		854-0010, 25					
815-0651, 23		855-0008, 24					
815-0652, 8 , 11 , 15 , 17 , 19 , 21 , 23 , 24 , 33 , 35 , 37		860-2005, 39					
815-0667, 11		862-0003, 13 , 15 , 17 , 19 , 21 , 29 , 35					
815-0686, 30		862-0008, 33 , 35 , 37					
815-0790-01, 11		862-0026-53, 33 , 35 , 37 , 39					
815-0790-02, 11		870-0048, 23					
		870-0065, 13 , 23					

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