

Parts Manual

Transfer Switch

125/150/225/260 Amps

CHPCA (Spec A)

CHPCB (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 CHPC 125/150/225/260 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	M017	Security – Front Panel
A029	4-Pole Switch	M018	Display – Digital
A035	Utility to Generator Set Applications	M022	Monitoring – Load
A041	One Phase – 2 or 3 wire	M023	Module – Relay Signal
A042	Three Phase – 3 or 4 wire	M031	Communications – Lonworks FTT-10
A044	Frequency – 60 Hz	M036-7	Time Delay Relay – Extended Parallel Protection
A045	Frequency – 50 Hz	M038-7	Lock Out Relay – Extended Parallel Protection
A046	Listing – UL	N002	Terminal Block – Battery Charger Alarm
A064	Listing – UL/NFPA20	N008	Mechanical Lugs – Cable
A065	2-Pole Switch	N013	Harness – Extension
B001	Cabinet – Type 1	N030	Compression Lug Adapters (5/16 Stud)
B002	Cabinet – Type 3R	N031	Compression Lug Adapters (3/8 Stud)
B003	Cabinet – Type 4	N032	Compression Lug Adapters (1/2 Stud)
B004	Construction – Open	N038	External Manual Operator
B010	Cabinet – Type 12	R020	Voltage – 120
C024	Control – Level 2	R021	Voltage – 208
D009	Meters – Bar Graph Display	R022	Voltage – 220
K001	Battery Charger – 2 Amp, 12/24V	R023	Voltage – 240
K002	Battery Charger – 10 Amp, 12V	R024	Voltage – 380
K003	Battery Charger – 10 Amp, 24V	R025	Voltage – 416
L101	Auxiliary Relay – 24 VDC Coil	R026	Voltage – 480
L102	Auxiliary Relay – Emergency Position – 24 VDC	R027	Voltage – 600
L103	Auxiliary Relay – Normal Position – 24 VDC	R035	Voltage – 440
L201	Auxiliary Relay – 12 VDC Coil	R038	Voltage – 190
L202	Auxiliary Relay – Emergency Position – 12 VDC	S048	Current Rating – 125 Amp
L203	Auxiliary Relay – Normal Position – 12 VDC	S049	Current Rating – 150 Amp
M003	Terminal Block – 30 Points	S050	Current Rating – 225 Amp
M007	Load Shed – From Emergency	S051	Current Rating – 260 Amp

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Abbreviations

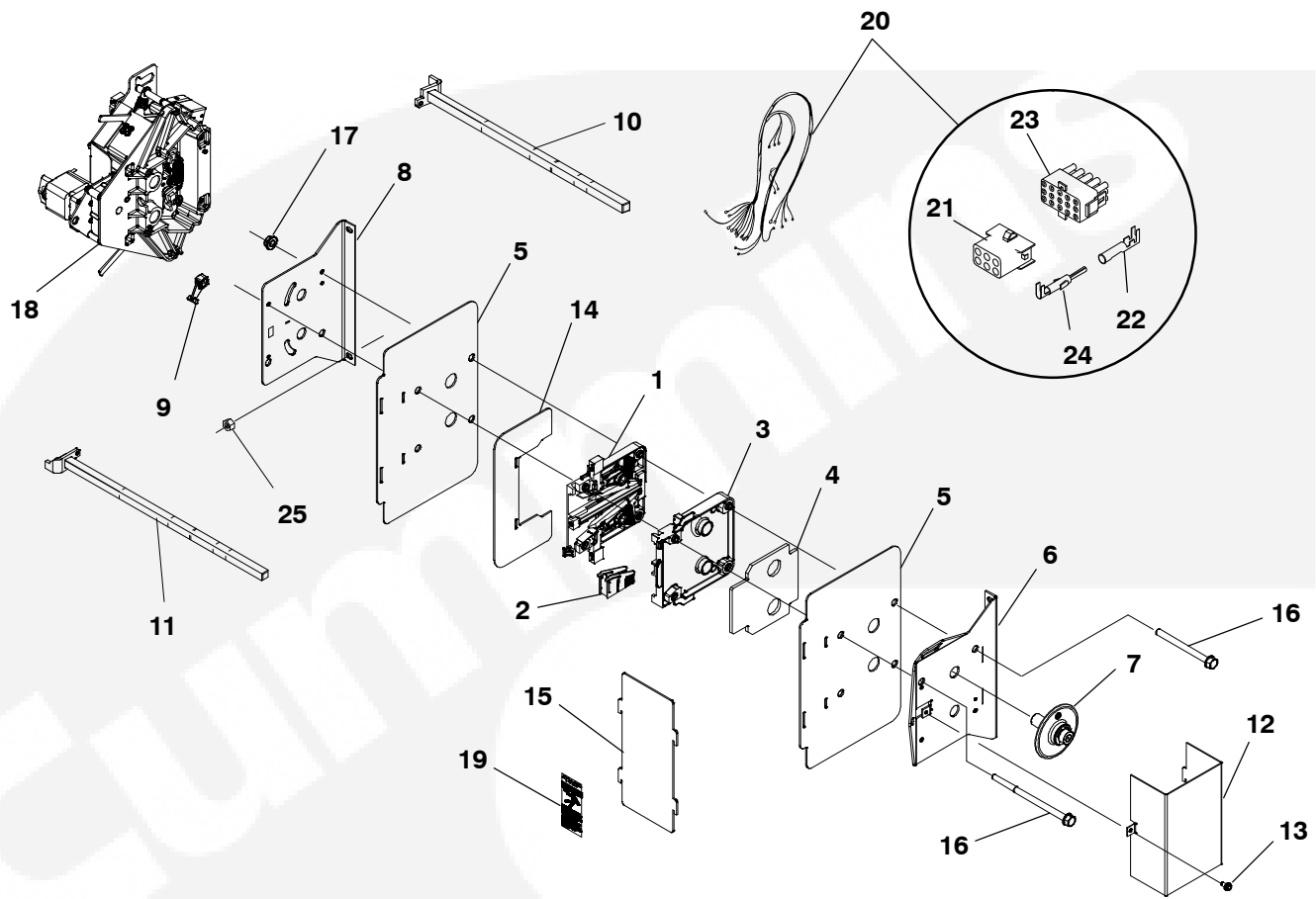
Some of the following abbreviations may be used throughout this Parts Catalog:

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 Standards 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	Unified National Coarse
LT	Left	UNF	Unified National Fine
M(meter number)	Meter	VAC	Volts Alternating Current
MCM	Circular Mils/1000	VDC	Volts Direct Current
		W/(ET, IT, EIT)	With

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Transfer Switch

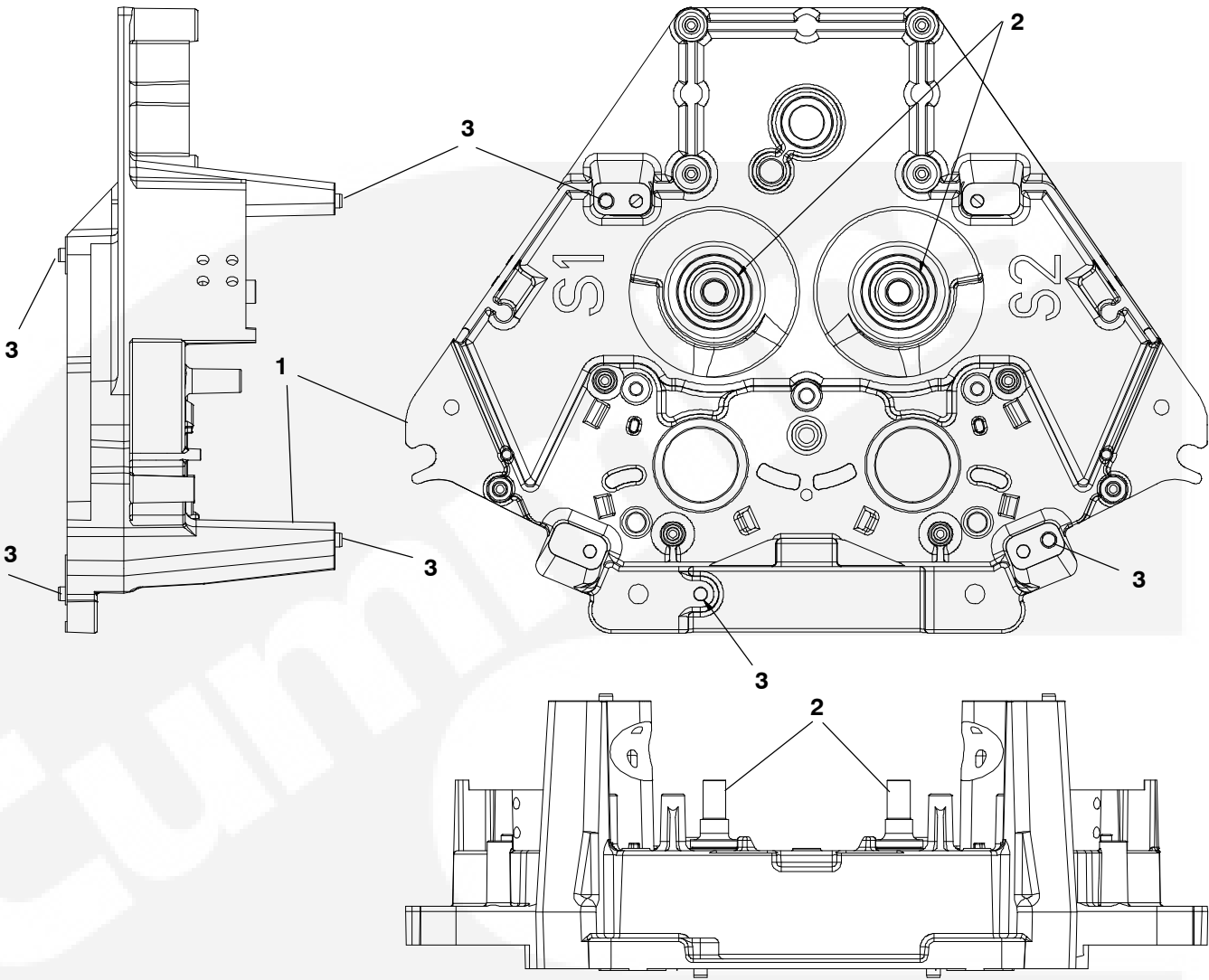


Transfer Switch

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cassette, End (See Separate Page for Components)	11			Shaft, Actuation (S2)
	306-4526	2	2 Pole		306-4572-01	1	2 Pole
	306-4526	3	3 Pole		306-4572-02	1	3 Pole
	306-4526	4	4 Pole		306-4572-03	1	4 Pole
2			Arc Chute	12	306-4573	1	Cover, Flywheel
	306-4496	4	2 Pole	13	815-0753	1	Screw, Cap – Hex Head (Thread Forming) (M6 x 1mm)
	306-4496	6	3 Pole				Barrier, Phase (See Page 8)
	306-4496	8	4 Pole	14			Cover, Switch
3			Cassette, Spacer	15			
	306-4492	2	2 Pole		306-4546-01	1	2 Pole
	306-4492	3	3 Pole		306-4546-02	1	3 Pole
	306-4492	4	4 Pole		306-4546-03	1	4 Pole
4			Shield, Magnetic Flux	16			Screw, Hex Washer Head (M8 x 1.25)
	319-3829	2	2 Pole		800-3045-01	4	2 Pole (122mm Long)
	319-3829	4	3 Pole		800-3045-04	4	3 Pole (171mm Long)
	319-3829	6	4 Pole		800-3045-03	4	4 Pole (224mm Long)
5	306-4544-01	2	Barrier, End	17	870-2055	4	Nut, Locking (M8)
6	306-4547	1	Bracket, Mounting – Switch	18	306-4627-02	1	Actuator
7			Flywheel	19	098-7735	1	Label, Cover
	306-4582-02	2	2 Pole	20	338-3861	1	Harness, Switch (Includes Parts Marked *)
	306-4582-01	2	3 Pole				
	306-4581-02	2	4 Pole	21	323-1318	1	* Cap, 6-Pin (J3)
8	306-4656	1	Interlock Assembly (See Separate Page for Components)	22	323-1200	7	* Socket, Contact
9	170-4689	2	Lever, Disconnect	23	323-1252	1	* Plug, Circuit (P1)
10			Shaft, Actuation (S1)	24	323-1199	15	* Pin, Contact
	306-4532-01	1	2 Pole	25	870-2056	4	Nut, Lock – Flange (M10)
	306-4532-02	1	3 Pole				
	306-4532-03	1	4 Pole				

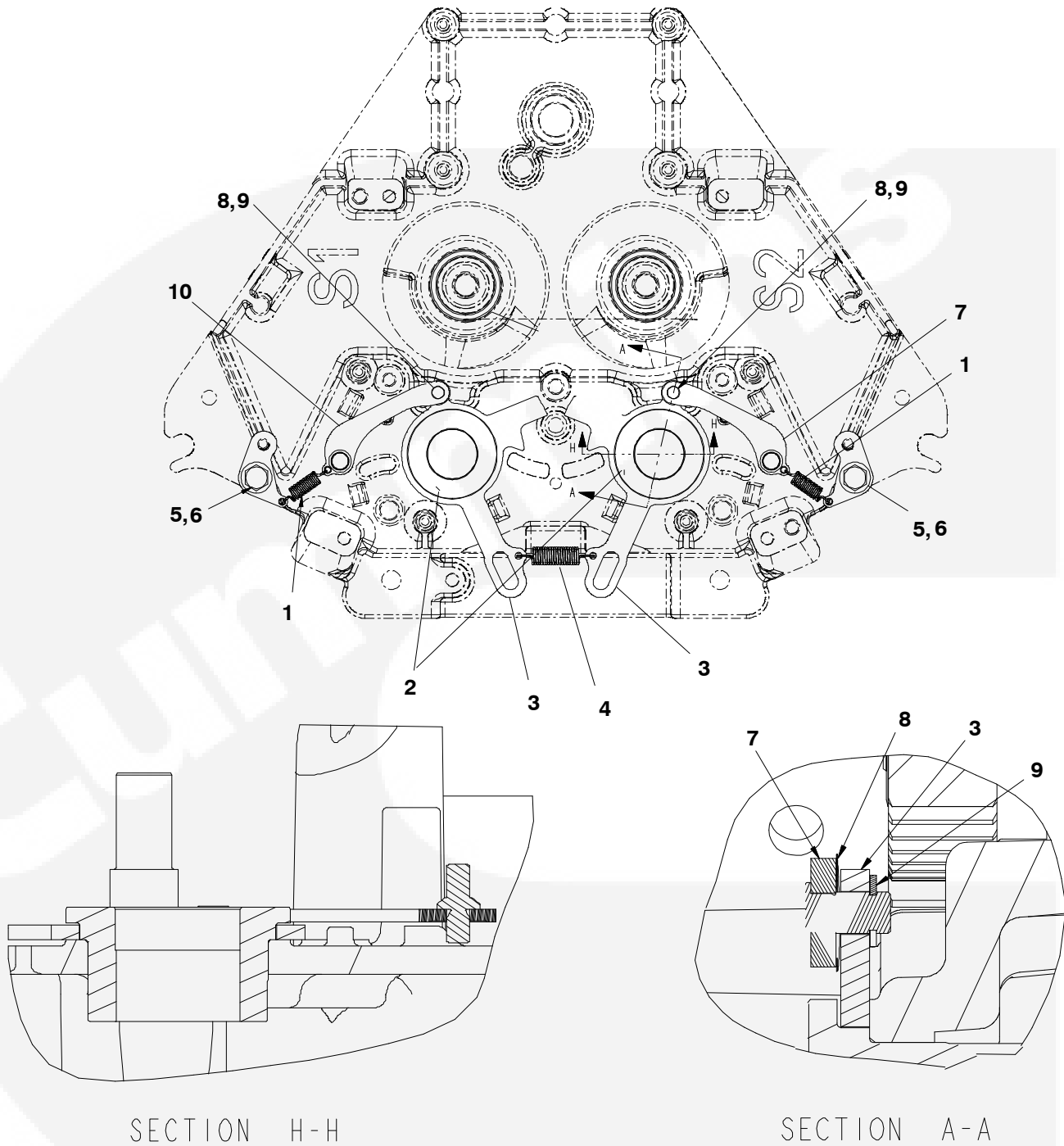
* – Parts Included in 338-3861 Wiring Harness

Actuator(Assembly Stage 1)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	2	0306-4444	2	Shaft, Rewind Gear
1	0306-4651	1	Base, Actuator	3	0516-0262-01	4	Pin, Dowel

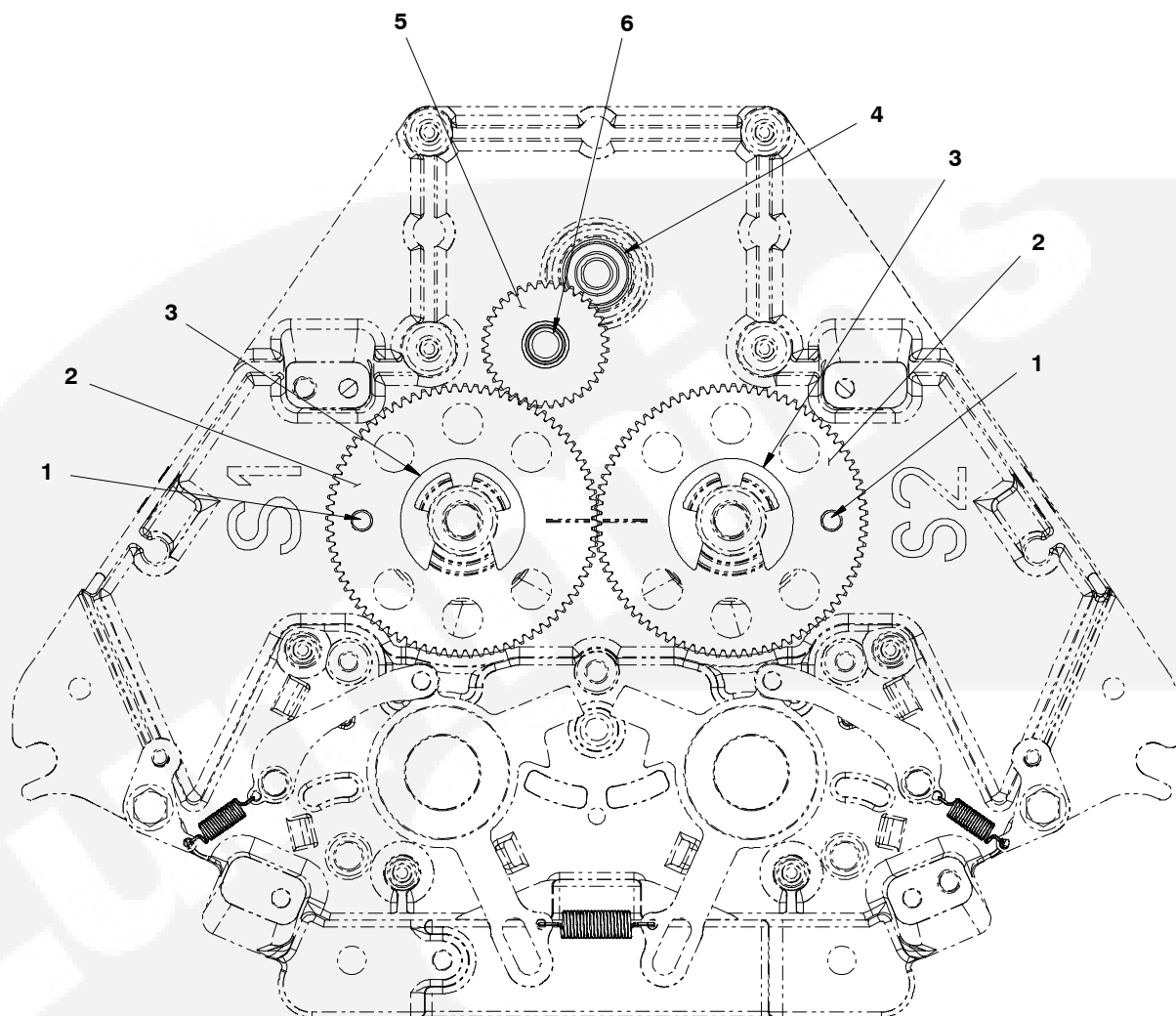
Actuator (Assembly Stage 2)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly
1	0306-4665	2	Spring, Trigger
2	0508-1181	2	Bushing
3	0306-4477	2	Lever, Interlock
4	0306-4672	2	Spring, Interlock Lever (Manual Lever)
5	0306-4711	2	Bracket, Spring

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	0815-0753	16	Screw, Lock Flange
7	0306-4465-02	1	Trigger, Assembly
8	0851-0046-02	2	Washer, Curve Spring
9	0518-0688-09	2	Ring, Retainer
10	0306-4665-01	1	Trigger, Assembly

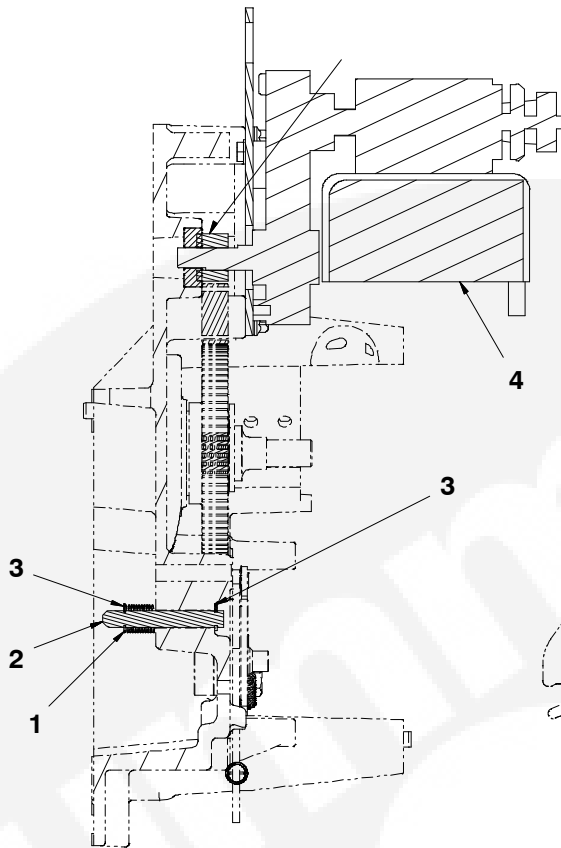
Actuator (Assembly Stage 3)



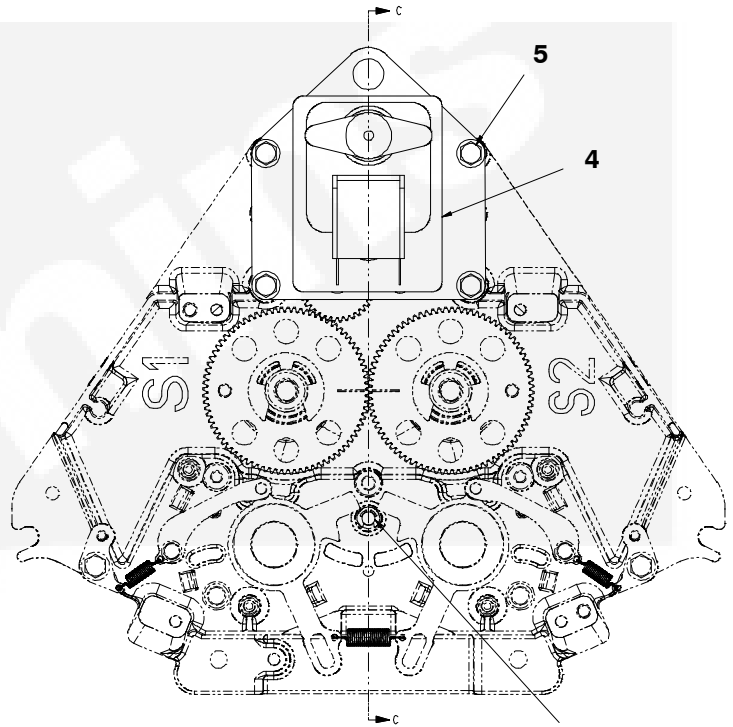
ASSEMBLY STAGE 3

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	4	0510-0184	1	Bearing, Ball
1	0306-4555	2	Spring, Assembly Gear	5	0306-4531	1	Gear, Assembly Idler
2	0306-4586	2	Gear, Assembly Rewind	6	0306-4549	1	Shaft, Idler
3	0518-0688-05	2	Retainer, Ring				

Actuator (Assembly Stage 4)



SECTION C-C



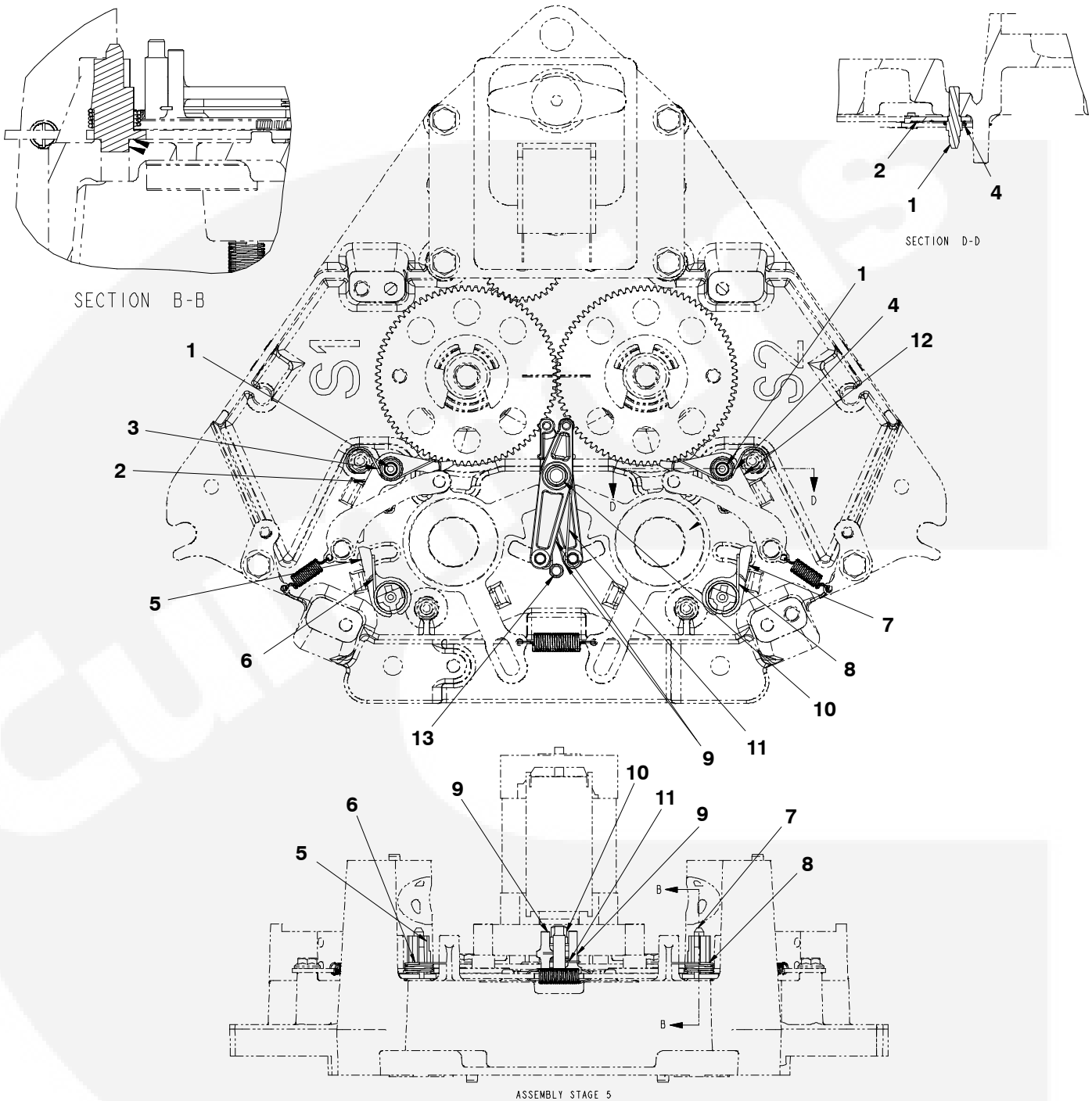
ASSEMBLY STAGE 4

1, 2, 3

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly
1	0306-4685	2	Spring, Compression
2	0306-4680	1	Pin, Interlock
3	0518-0688-10	2	Retainer, Ring

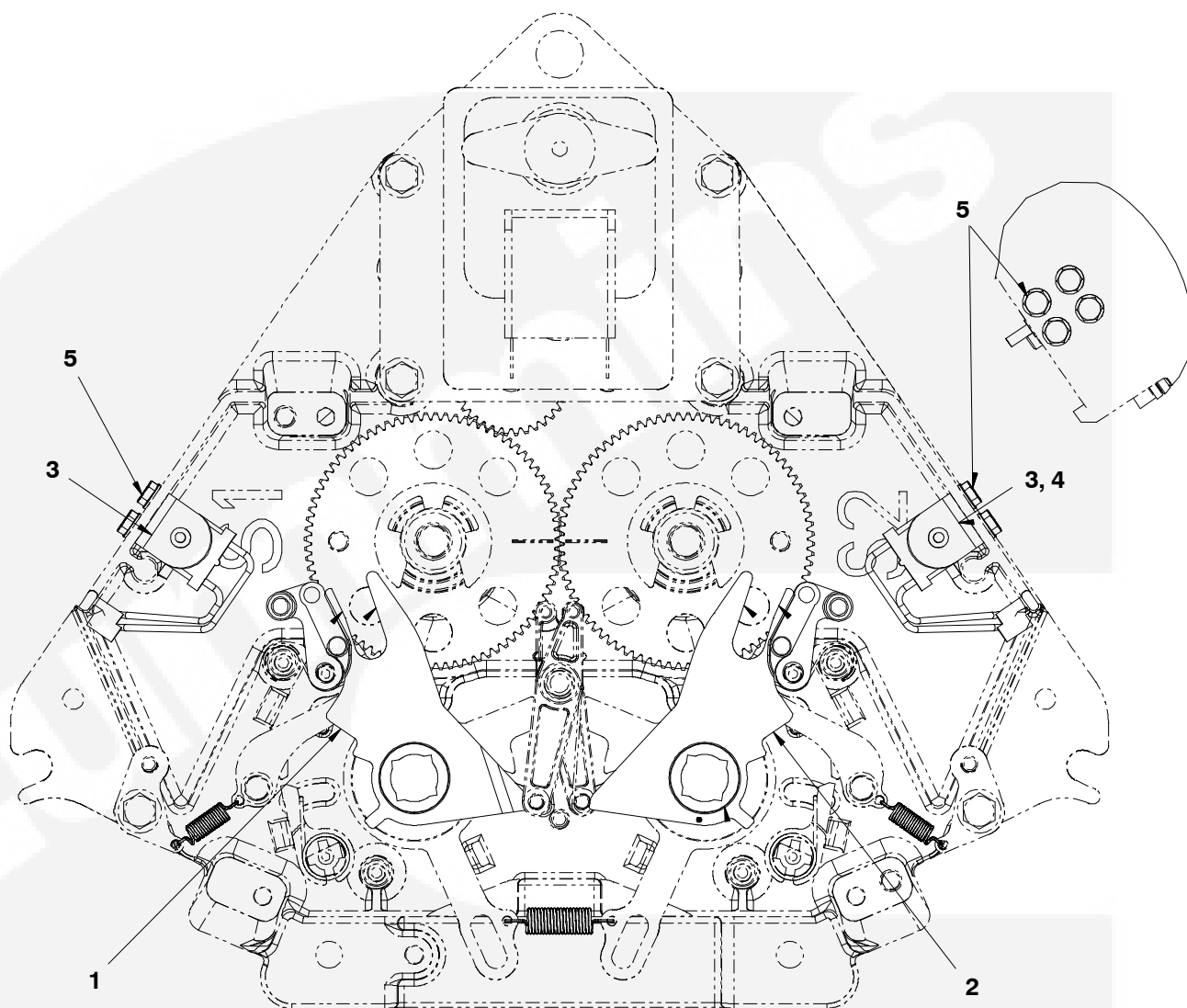
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	0306-4616	1	Motor, Rewind
5	0815-0753	16	Screw, Lock Flange
6	0170-4660	1	Gear, Pinion

Actuator (Assembly Stage 5)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	7	0306-4679	1	Shaft, Release
1	0306-4618	2	Pin, Release Arm	8	0306-4539	1	Spring, Shaft Release
2	0306-4703	1	Release Lever	9	0170-4684	2	Lever, Current
3	0306-4442	1	Spring, OVCTR Release	10	0306-4641	1	Pivot, Interlock
4	0306-4433	1	Spring, OVCTR Release	11	0306-4648	1	Spring, Torsion
5	0306-4678	1	Shaft, Release	12	0306-4704	1	Lever, Release
6	0306-4538	1	Spring, Shaft Release	13	0306-4702	1	Pin, Link

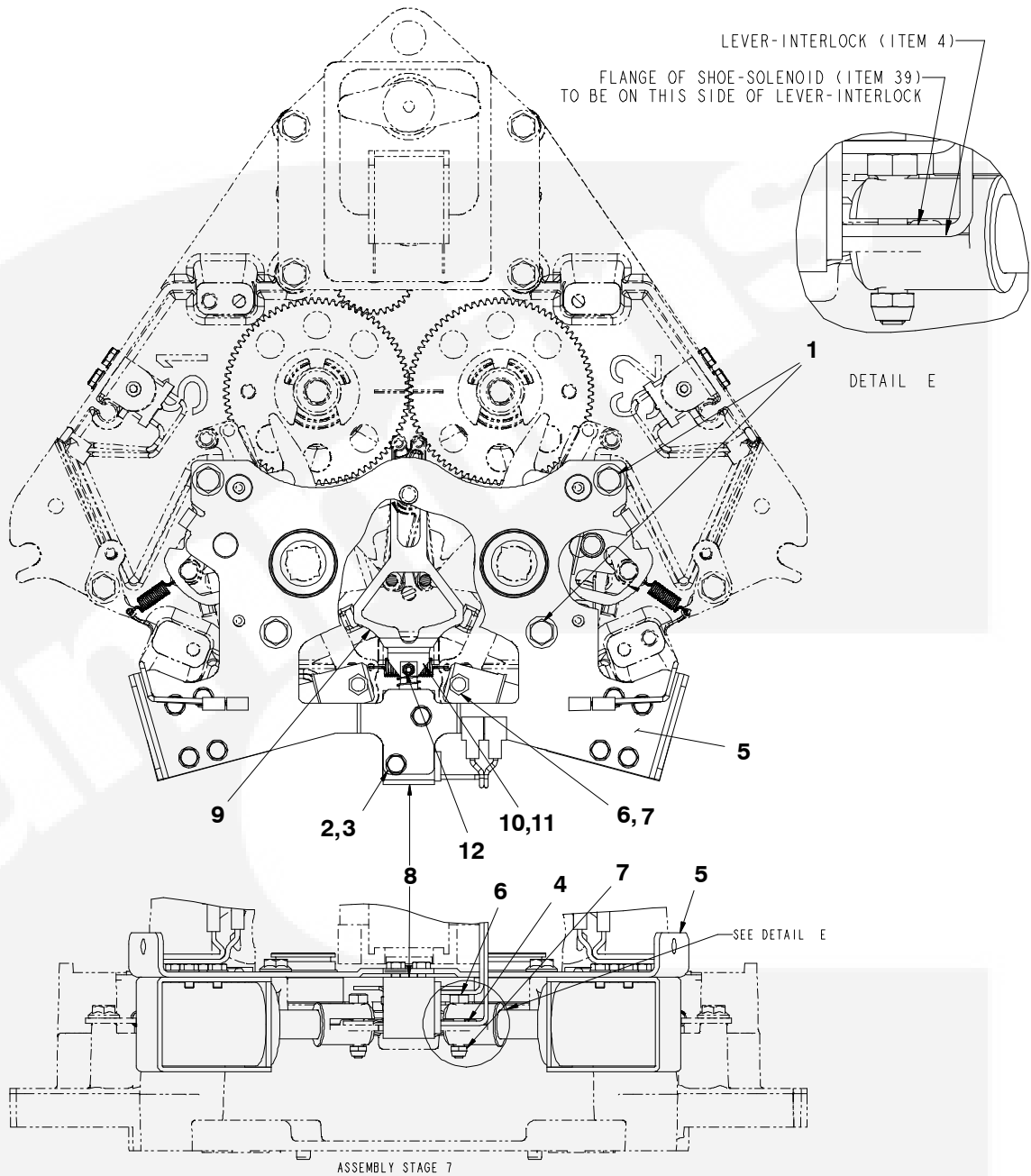
Actuator (Assembly Stage 6)



ASSEMBLY STAGE 6

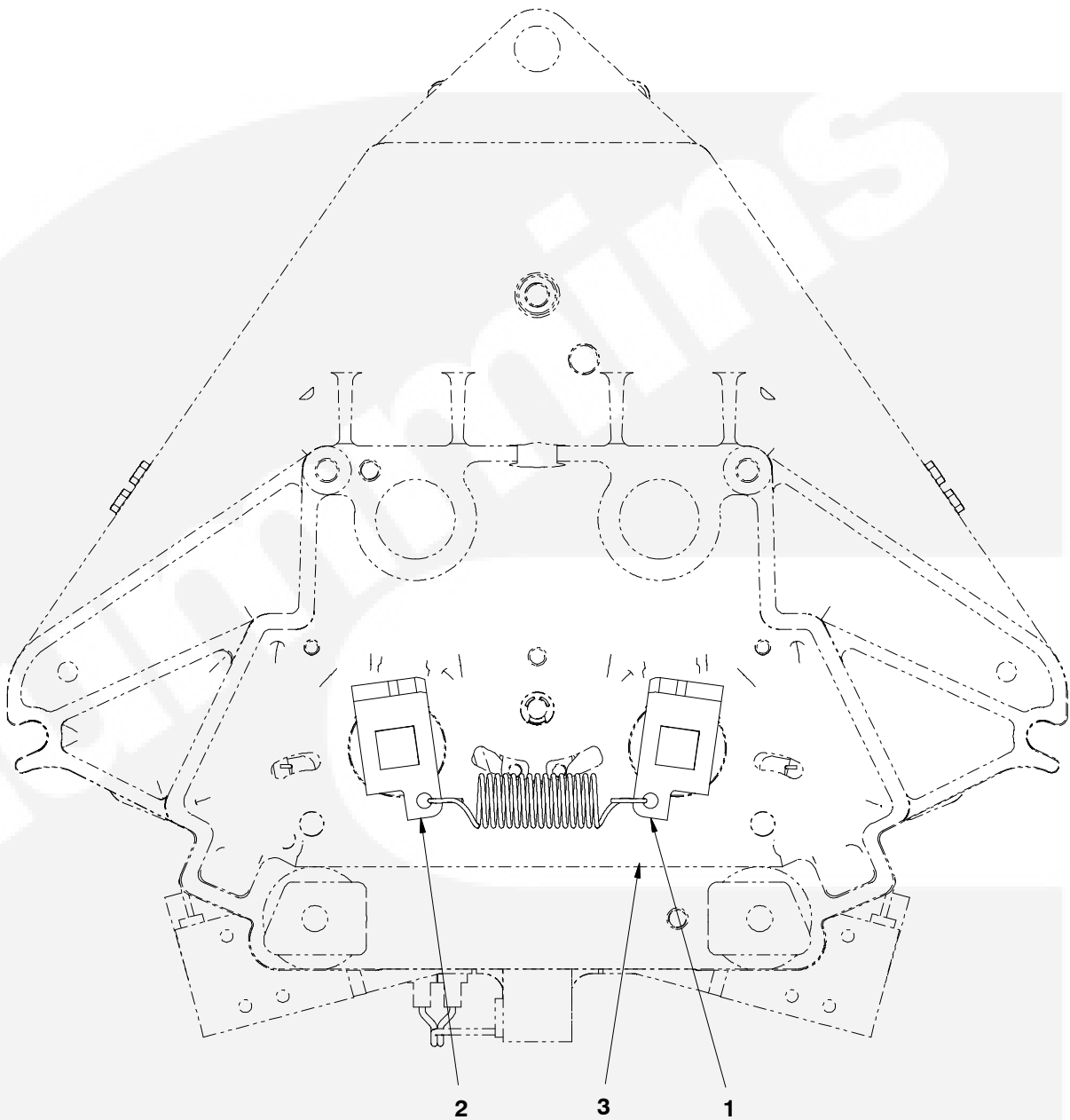
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	3	0307-2958	2	Solenoid, Actuator
1	0306-4528-01	1	Assembly, Fork	4	0506-0054	2	Spring, Compression
2	0306-4528-02	1	Assembly, Fork	5	0815-0979-01	10	Screw, Hex Washer (M4 x 0.7)

Actuator (Assembly Stage 7)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	9	0306-4644	1	Link, Current Transformer
1	0815-0753	16	Screw, Lock Flange	10	0800-6285	1	Screw, Hex Head Cap
2	0815-0979-01	10	Screw, Hex Washer (M4 x 0.7)	11	0870-2231	1	Nut, Lock
3	0526-2302	2	Washer, Flange	12	0306-4685	1	Spring, Compression
4	0306-4647	2	Shoe, Solenoid				
5	0306-4455	1	Assembly, Sideplate				
6	0815-0977	2	Screw, Torx Head Shoulder				
7	0870-2230	2	Nut, Lock				
8	0307-2966	1	Solenoid				

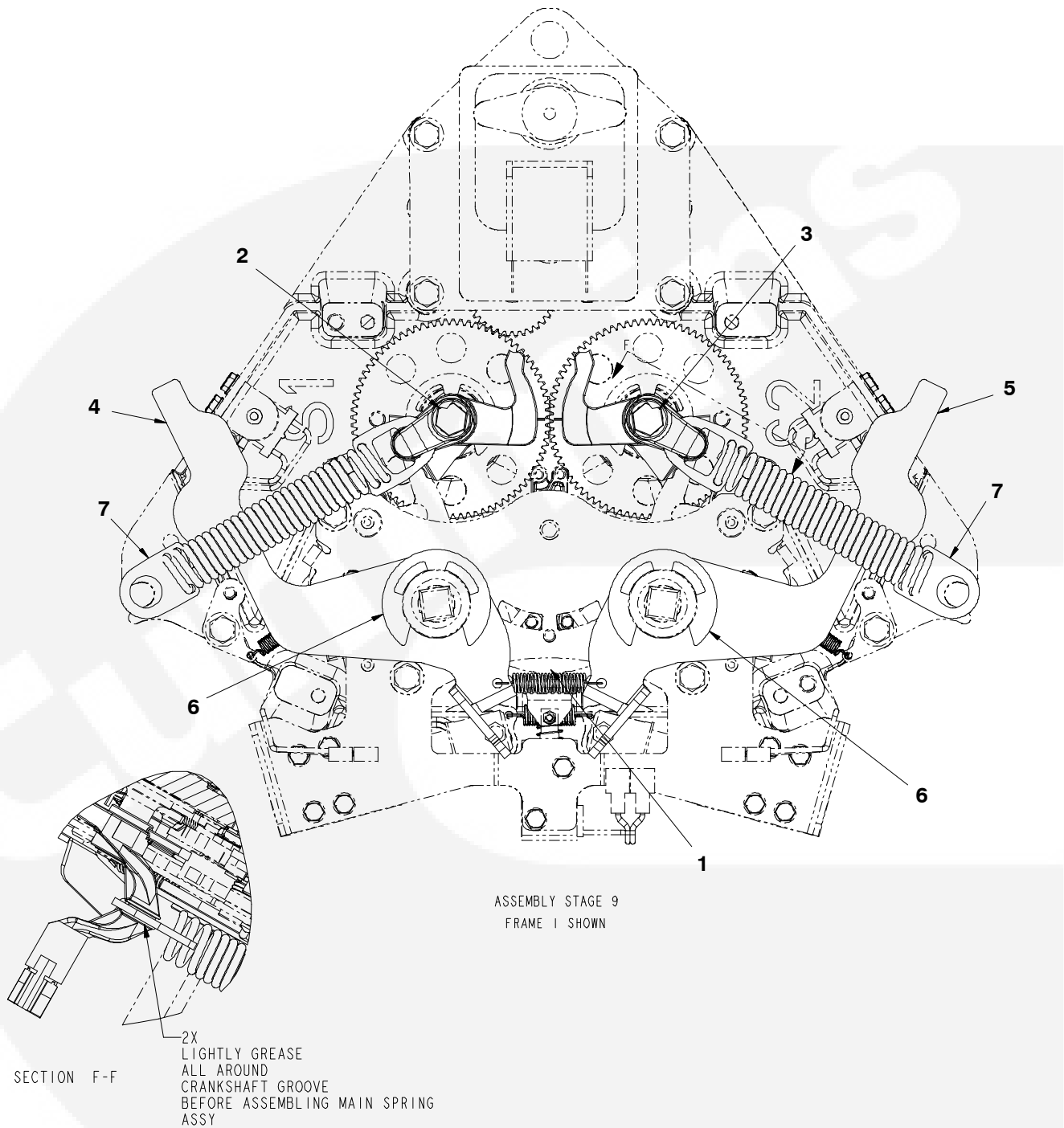
Actuator (Assembly Stage 8)



ASSEMBLY STAGE 8
(VIEWED FROM THE REAR)

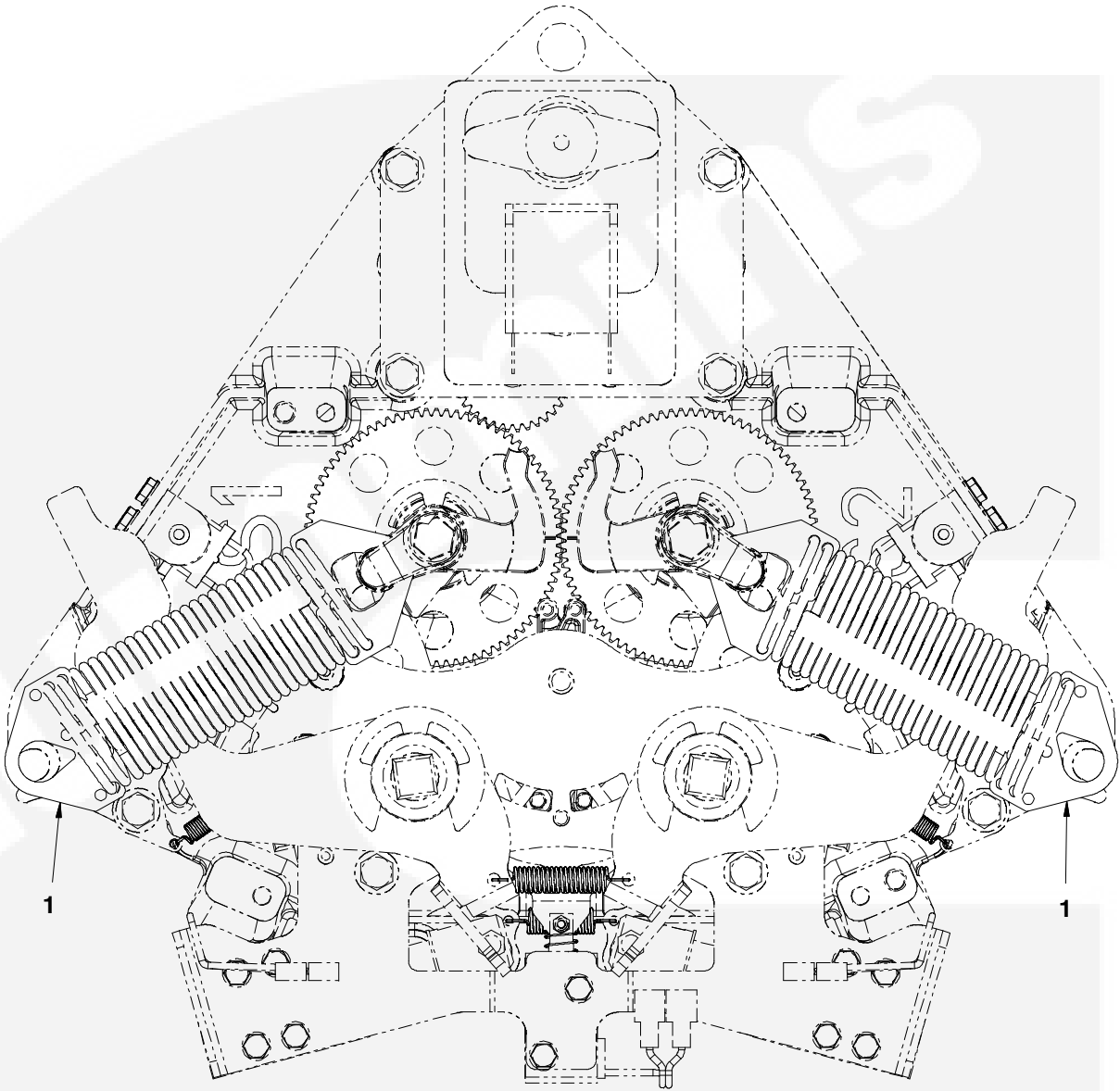
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	3	0306-4652	1	Spring, Coupling Retention
1	0306-4532-07	1	Shaft, Actuation				
2	0306-4572-07	1	Shaft, Actuation				

Actuator (Assembly Stage 9)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	4	0306-4737-01	1	Lever, Manual Operation
1	0306-4672	2	Spring, Interlock Lever (Manual Lever)	5	0306-4737-02	1	Lever, Manual Operation
2	0306-4587-01	1	Assembly, Crankshaft	6	0518-0688-06	2	Ring, Retainer
3	0306-4587-02	1	Assembly, Crankshaft	7	0306-4626	2	Assembly, Main Spring

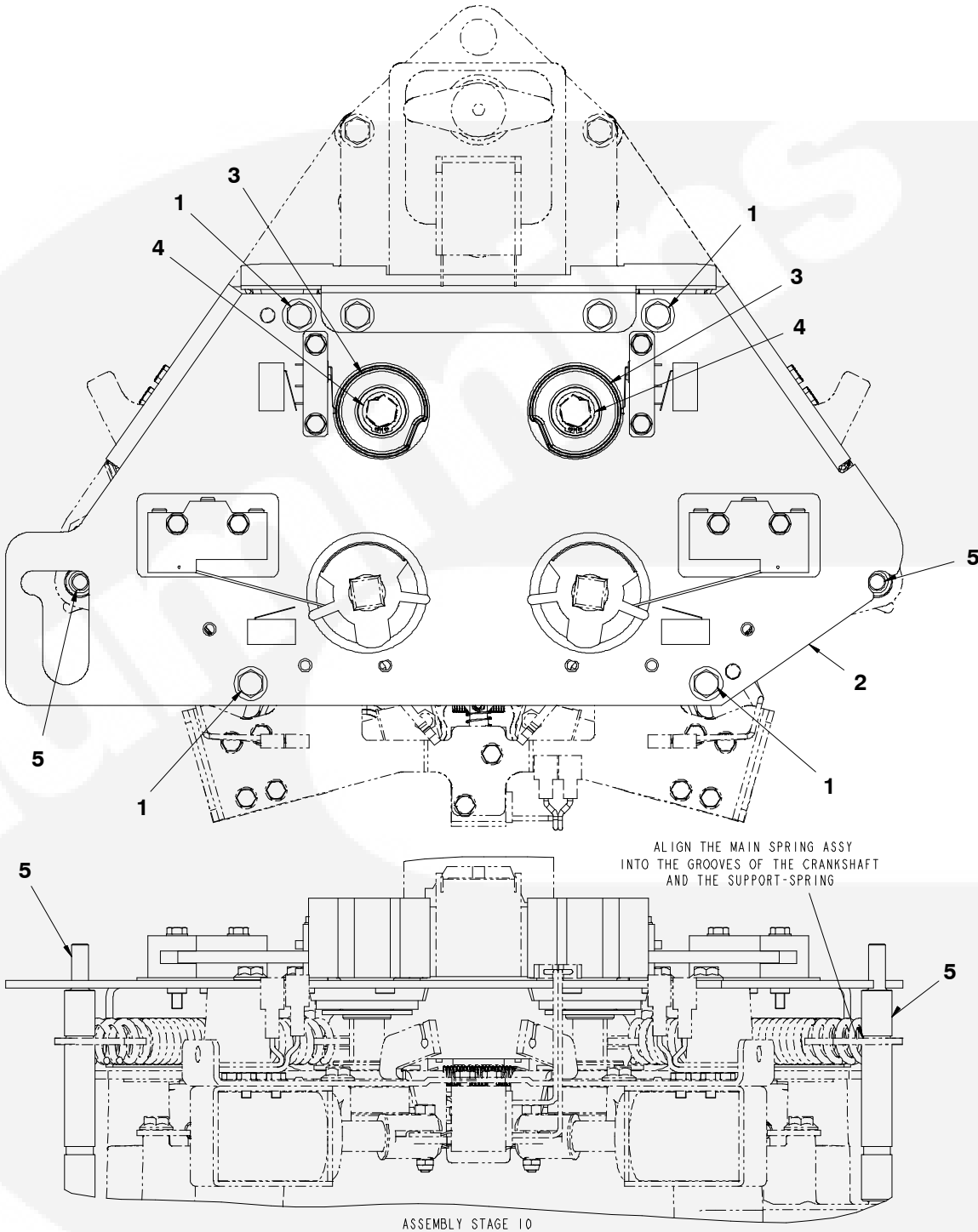
Actuator (Assembly Stage 9 Continued)



ASSEMBLY STAGE 9
FRAME 2 SHOWN

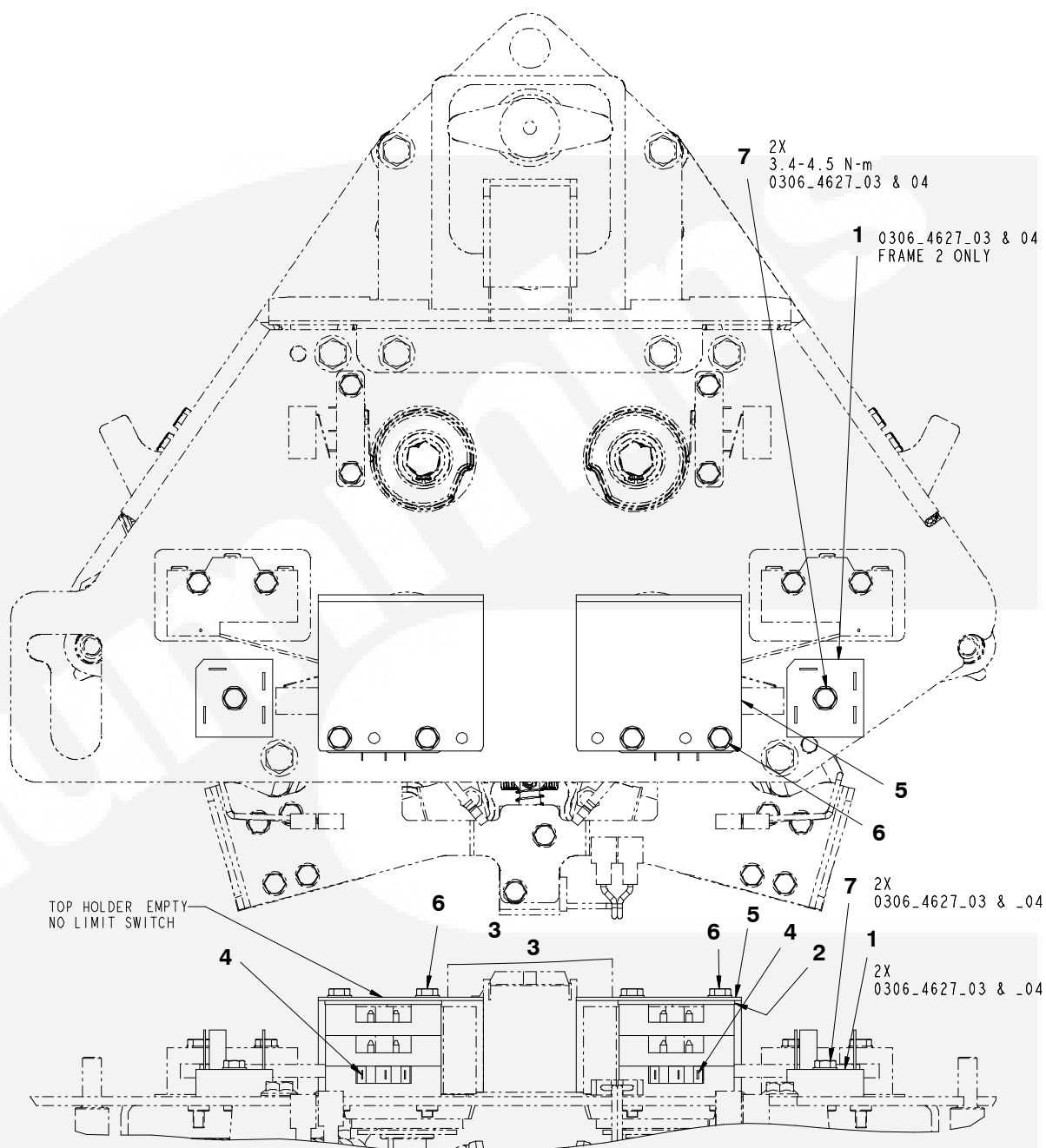
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	1	0306-4624	1	Assembly, Main Spring

Actuator (Assembly Stage 10)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	3	0306-4725	1	Cam, Switch (Crank Position)
1	0815-0753	16	Flange, Screw Lock	4	0406-1036-01	2	Ring, Retainer
2	0306-4633-01	1	Assembly, Actuator Cover	5	0306-4469	2	Support, Spring

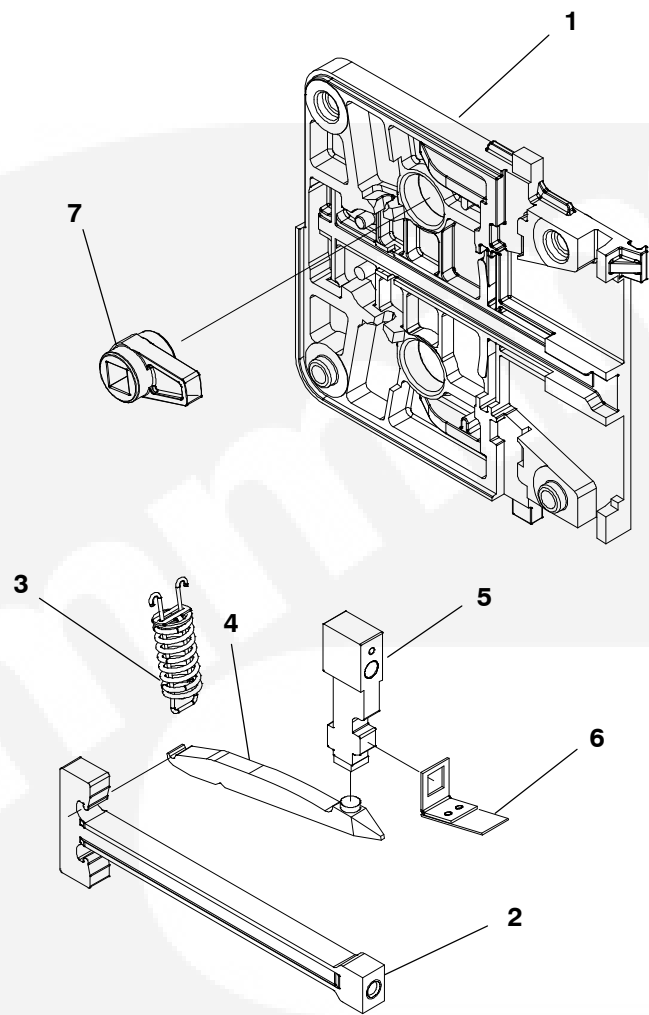
Actuator (Assembly Stage 11)



ASSEMBLY STAGE 11

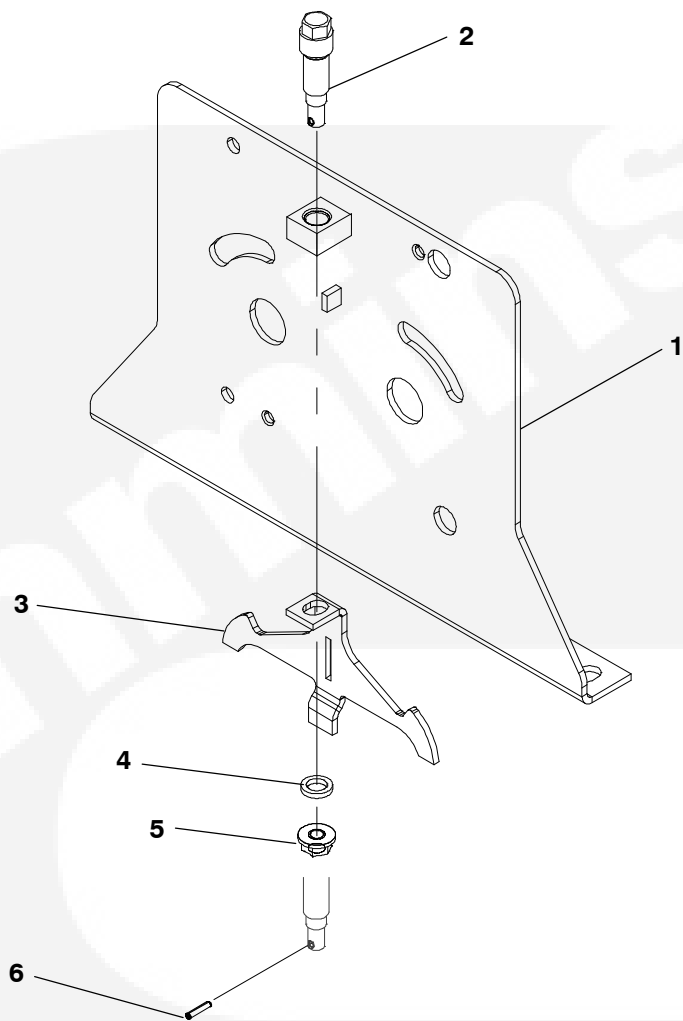
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	0306-4627-02	1	Actuator Assembly	4	0308-1099	2	Switch, Subminiature
1	0305-0653	1	Rectifier, Bridge 35A (800V, UL Approvevd)	5	0306-4728	2	Bracket, Cover
2	0306-4653	1	Insulator, Limit Switch	6	0815-0979-04	4	Screw, Hex Washer (M4 x 0.7)
3	0306-4578	6	Holder, Limit Switch	7	0815-0979-05	2	Screw, Hex Washer (M4 x 0.7)

End Cassette



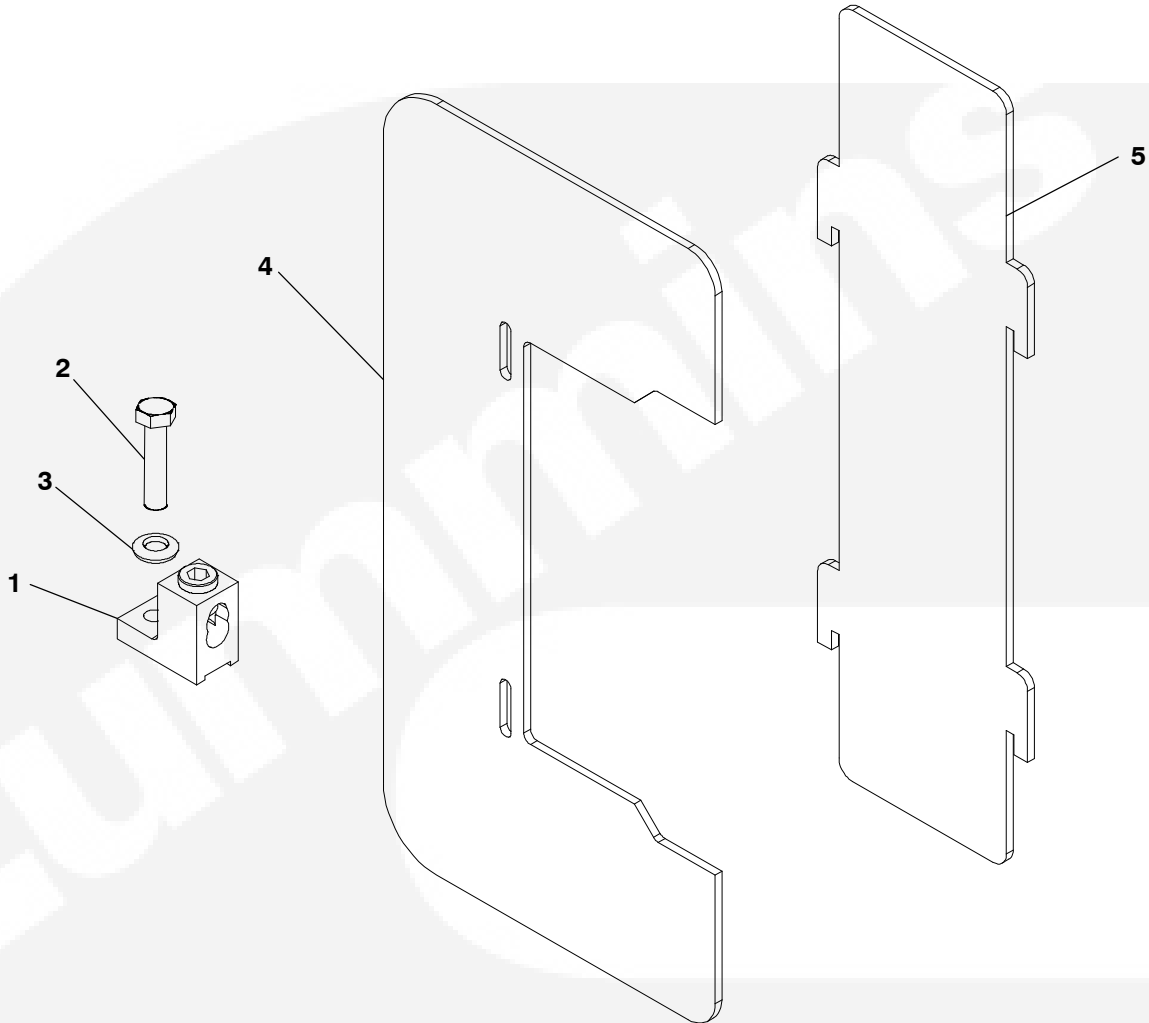
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-4526	-	Cassette, End (Includes the Following Parts)	4	337-3434	2	Bus - Moving
1	306-4491	1	Cassette, Half	5	337-3433	2	Bar, Bus - Source
2	337-3430	1	Bar, Bus - Load	6	306-4487-02	2	Runner, Arc
3	306-4482	2	Spring Assembly	7	306-4471	2	Cam, Cassette

Interlock Assembly



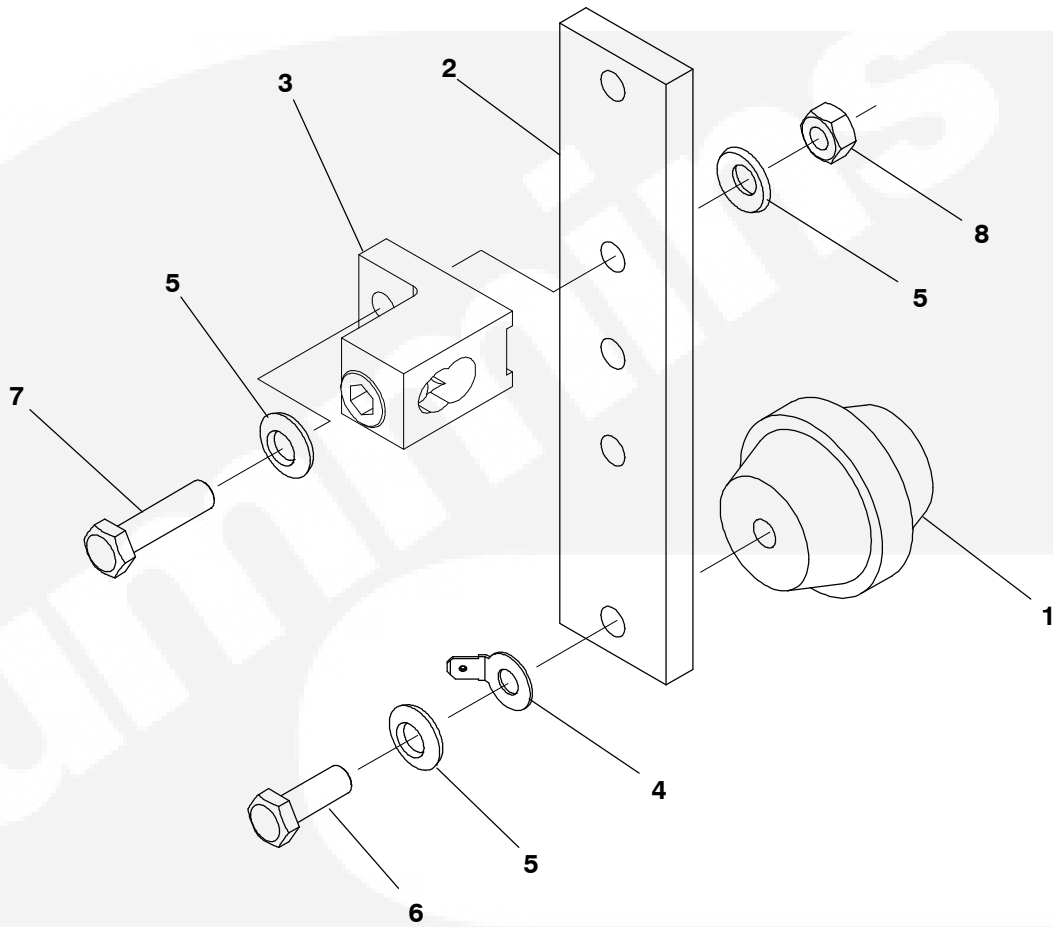
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-4656	-	Interlock Assembly (Includes the Following Parts)	3	306-4661	1	Bar, Interlock
1	306-4657	1	Bracket, Switch	4	526-2292	1	Washer, Flat
2	306-4662	1	Screw, Interlock	5	870-2235	1	Nut, Lock - Flange (M8 x 1.25)
				6	516-0264	1	Pin, Spring

Mechanical Lugs



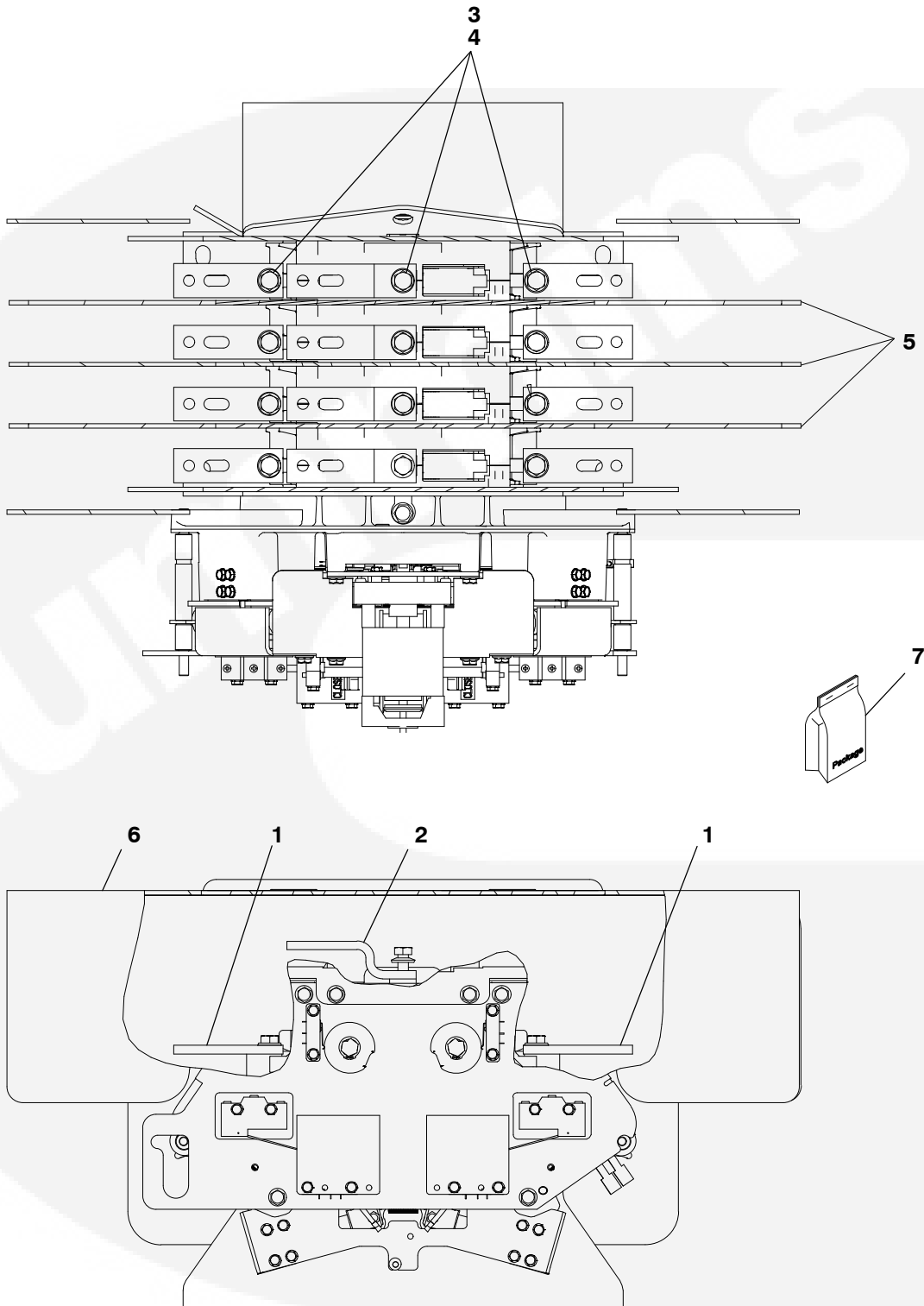
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Lug, Solderless	3			Washer, Spring
			150 Amp				2 Pole
	332-3655	6	2 Pole		851-0028	6	2 Pole
	332-3655	9	3 Pole		851-0028	9	3 Pole
	332-3655	12	4 Pole		851-0028	12	4 Pole
			260 Amp	4			Barrier, Phase
	332-3656	6	2 Pole		306-4545-01	1	2 Pole
	332-3656	9	3 Pole		306-4545-01	2	3 Pole
	332-3656	12	4 Pole		306-4545-01	3	4 Pole
2			Screw, Cap – Hex Head (M8 x	5			Cover, Switch
			1.25 x 35)		306-4546-01	1	2 Pole
	800-2060	6	2 Pole		306-4546-02	1	3 Pole
	800-2060	9	3 Pole		306-4546-03	1	4 Pole
	800-2060	12	4 Pole				

Neutral Bar Mechanical Lugs



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Bar Assembly, Neutral (Used With 2 and 3 Pole Transfer Switches) (Includes the Following Parts)	4	332-2463	1	Ring, Terminal
	337-3510-01	1	40, 70, 125, and 150 Amp	5	851-0028	8	Washer, Spring (5/16")
	337-3510-02	1	225 and 260 Amp	6	800-0027	2	Screw, Cap - Hex Head (5/16-18 x 7/8")
1	332-2744-03	2	Standoff, Insulator	7	800-0030	3	Screw, Cap - Hex Head (5/16-18 x 1-1/4")
2	337-3512-02	1	Bar, Bus - Neutral	8	862-0015	3	Nut, Hex (5/16-18)
3			Lug, Solderless				
	332-3655	3	40, 70, 125, and 150 Amp				
	332-3656	3	225 and 260 Amp				

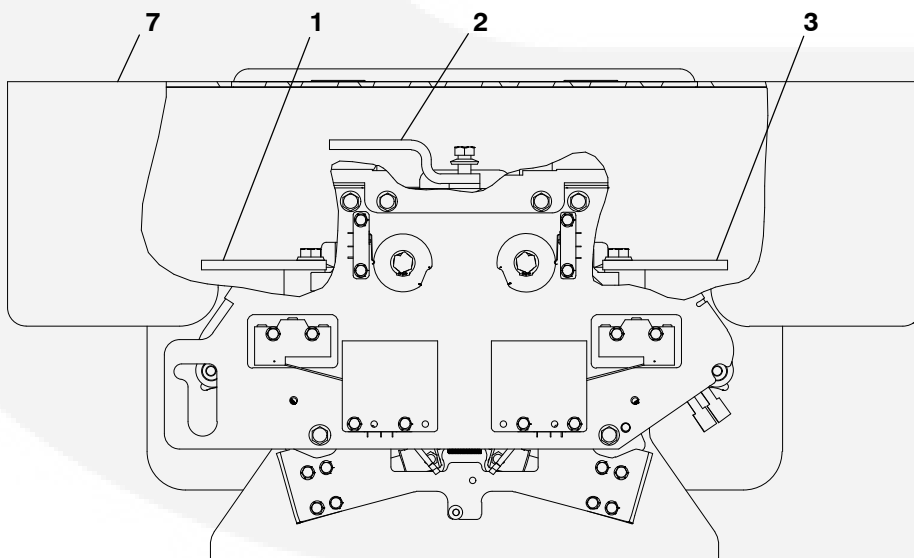
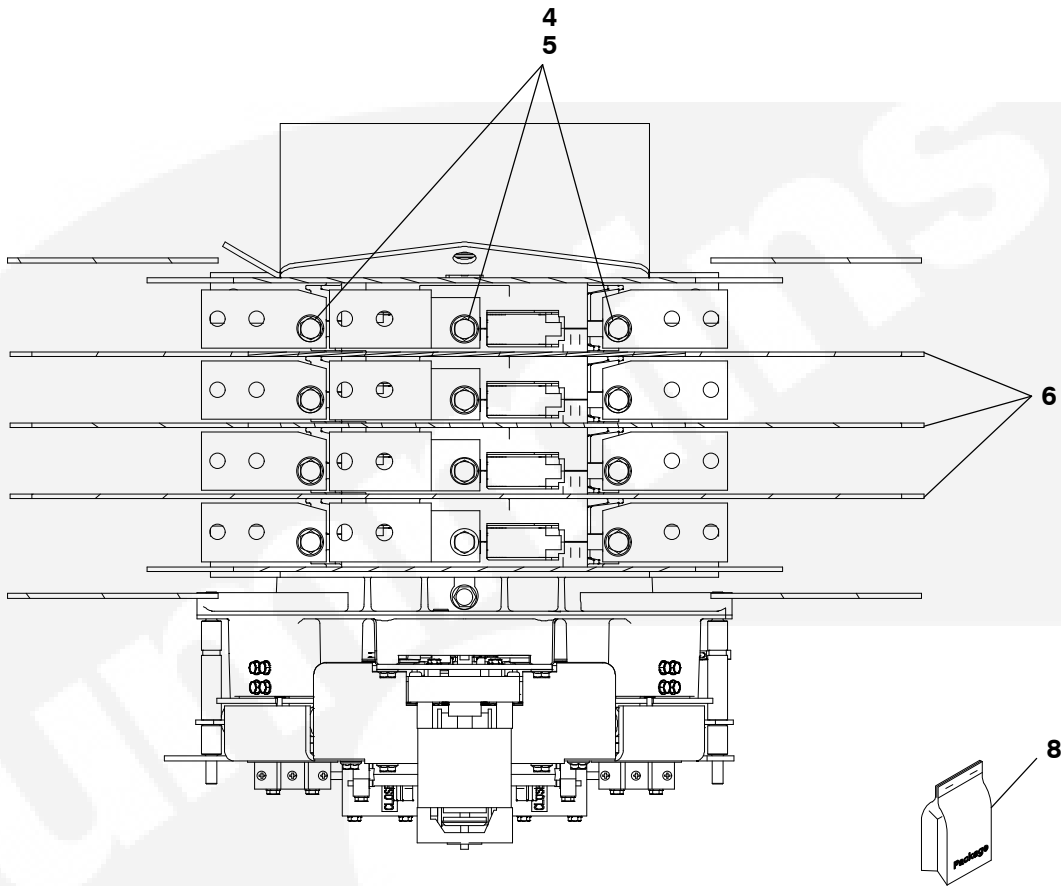
Compression Lug Adapters 5/16 Stud



Compression Lug Adapters 5/16 Stud

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Bar, Bus – Lug	5			Barrier, Phase
	337-3470-02	4	2 Pole		306-4601-01	1	2 Pole
	337-3470-02	6	3 Pole		306-4601-01	2	3 Pole
	337-3470-02	8	4 Pole		306-4601-01	3	4 Pole
2			Bar, Bus – Load	6			Cover, Switch
	337-3472-02	2	2 Pole		319-4648-01	1	2 Pole
	337-3472-02	3	3 Pole		319-4648-02	1	3 Pole
	337-3472-02	4	4 Pole		319-4648-03	1	4 Pole
3	851-0028	12	Washer, Lock – Spring (5/16)	7	543-0024	1	Package, Hardware (Includes
4			Screw, Cap – Hex Head (M8 x				Screws, Washers and Nuts)
			1.25 x 35)				
	800-2060	6	2 Pole				
	800-2060	9	3 Pole				
	800-2060	12	4 Pole				

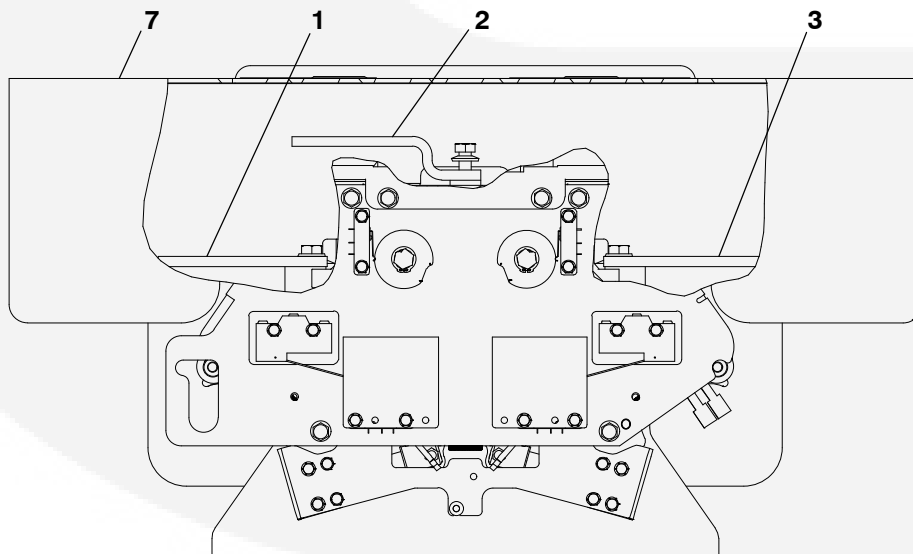
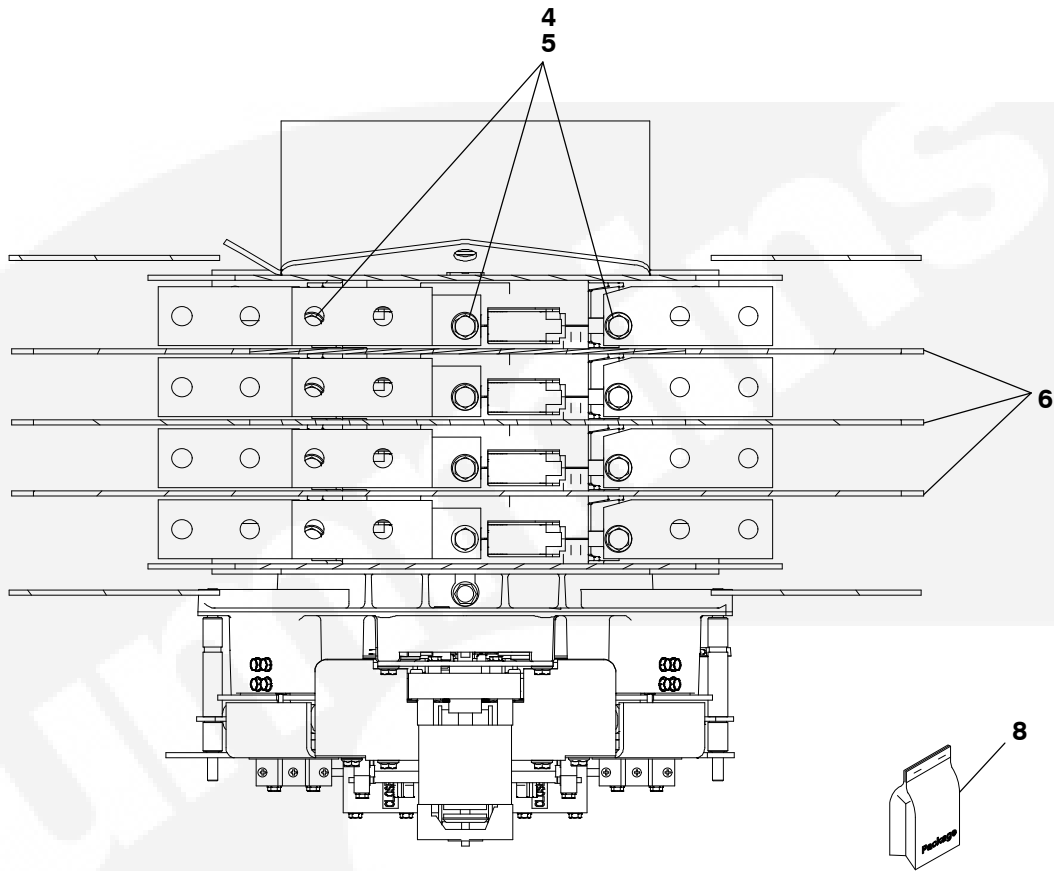
Compression Lug Adapters 3/8 Stud



Compression Lug Adapters 3/8 Stud

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Bar, Bus – Lug	5			Screw, Cap – Hex Head (M8 x 1.25 x 35)
	337-3555-02	2	2 Pole		800-2060	6	2 Pole
	337-3555-02	3	3 Pole		800-2060	9	3 Pole
	337-3555-02	4	4 Pole		800-2060	12	4 Pole
2			Bar, Bus – Load	6			Barrier, Phase
	337-3557-02	2	2 Pole		306-4601-01	1	2 Pole
	337-3557-02	3	3 Pole		306-4601-01	2	3 Pole
	337-3557-02	4	4 Pole		306-4601-01	3	4 Pole
3			Bar, Bus – Lug	7			Cover, Switch
	337-3556-02	2	2 Pole		319-4648-01	1	2 Pole
	337-3556-02	3	3 Pole		319-4648-02	1	3 Pole
	337-3556-02	4	4 Pole		319-4648-03	1	4 Pole
4			Washer, Lock – Spring (5/16)	8	543-0025	1	Package, Hardware (Includes Screws, Washers and Nuts)
	851-0028	6	2 Pole				
	851-0028	9	3 Pole				
	851-0028	12	4 Pole				

Compression Lug Adapters 1/2 Stud

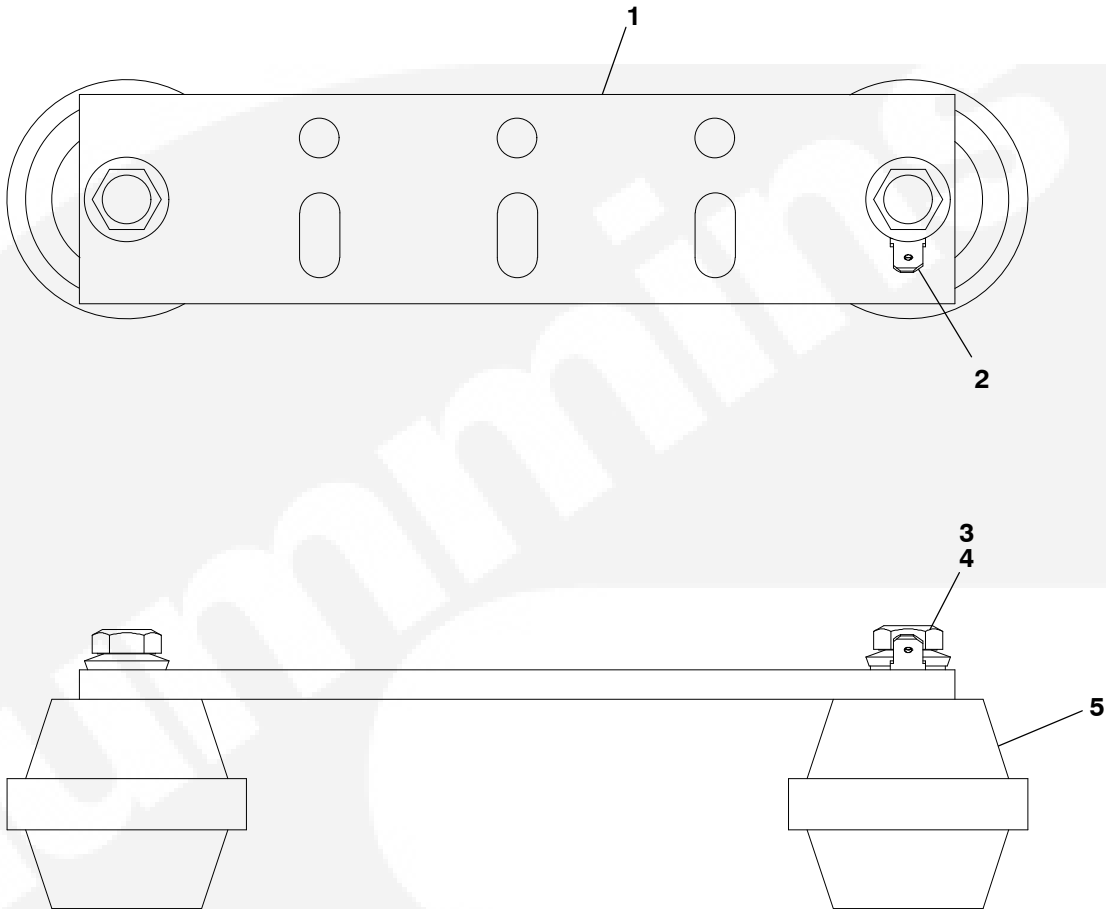


Compression Lug Adapters 1/2 Stud

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Bar, Bus – Lug	5			Screw, Cap – Hex Head (M8 x 1.25 x 35)
	337-3560-02	2	2 Pole		800-2060	6	2 Pole
	337-3560-02	3	3 Pole		800-2060	9	3 Pole
	337-3560-02	4	4 Pole		800-2060	12	4 Pole
2			Bar, Bus – Load	6			Barrier, Phase
	337-3562-02	2	2 Pole		306-4601-01	1	2 Pole
	337-3562-02	3	3 Pole		306-4601-01	2	3 Pole
	337-3562-02	4	4 Pole		306-4601-01	3	4 Pole
3			Bar, Bus – Lug	7			Cover, Switch
	337-3561-02	2	2 Pole		319-4648-01	1	2 Pole
	337-3561-02	3	3 Pole		319-4648-02	1	3 Pole
	337-3561-02	4	4 Pole		319-4648-03	1	4 Pole
4			Washer, Lock – Spring (5/16)	8	543-0027	1	Package, Hardware (Includes Screws, Washers and Nuts)
	851-0028	6	2 Pole				
	851-0028	9	3 Pole				
	851-0028	12	4 Pole				



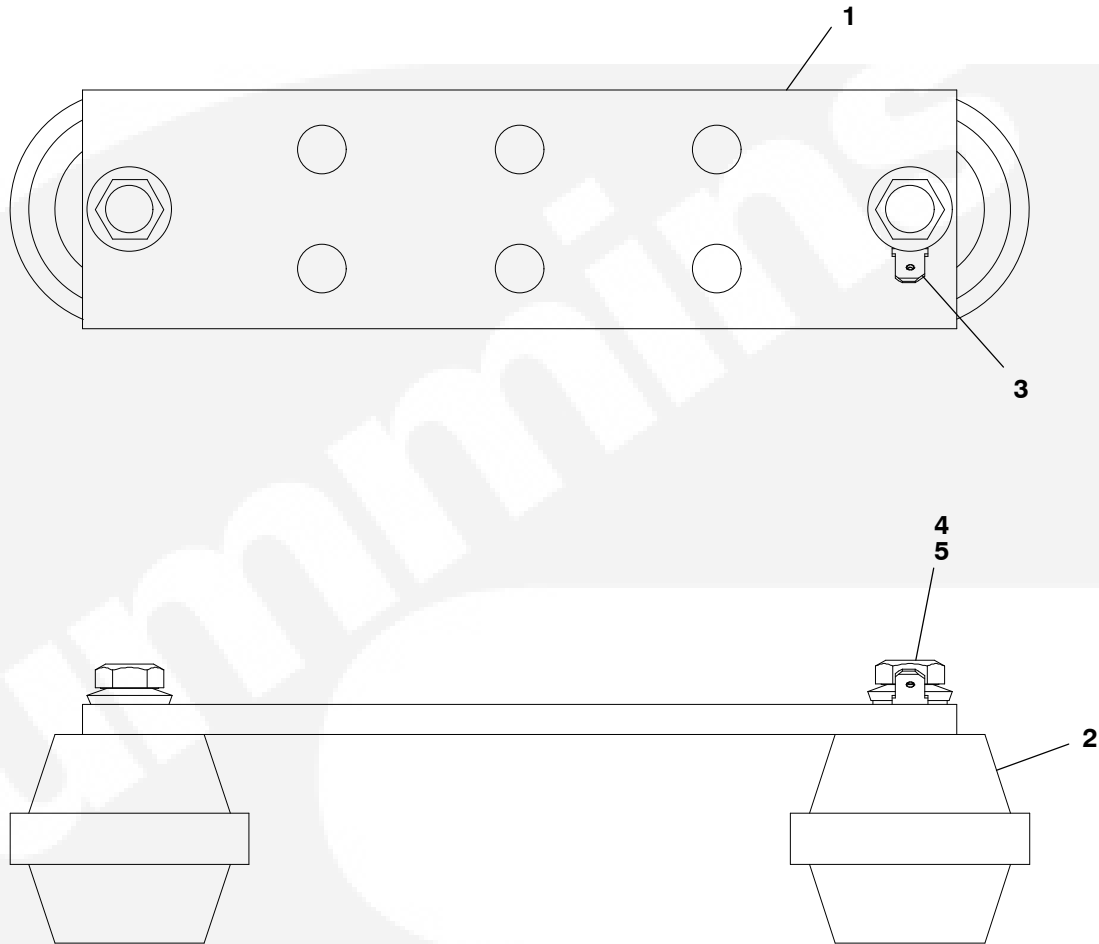
Neutral Bar Compression Lugs 5/16 Stud



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	337-3571	-	Bar, Bus - Assembly
1	337-3554-02	1	Bar, Bus - Neutral
2	332-2463	1	Ring, Terminal
3	851-0028	2	Washer, Lock - Spring (5/16)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	800-0027	2	Screw, Cap - Hex Head (5/16-18 x .88)
5	332-2744-03	2	Standoff, Insulator

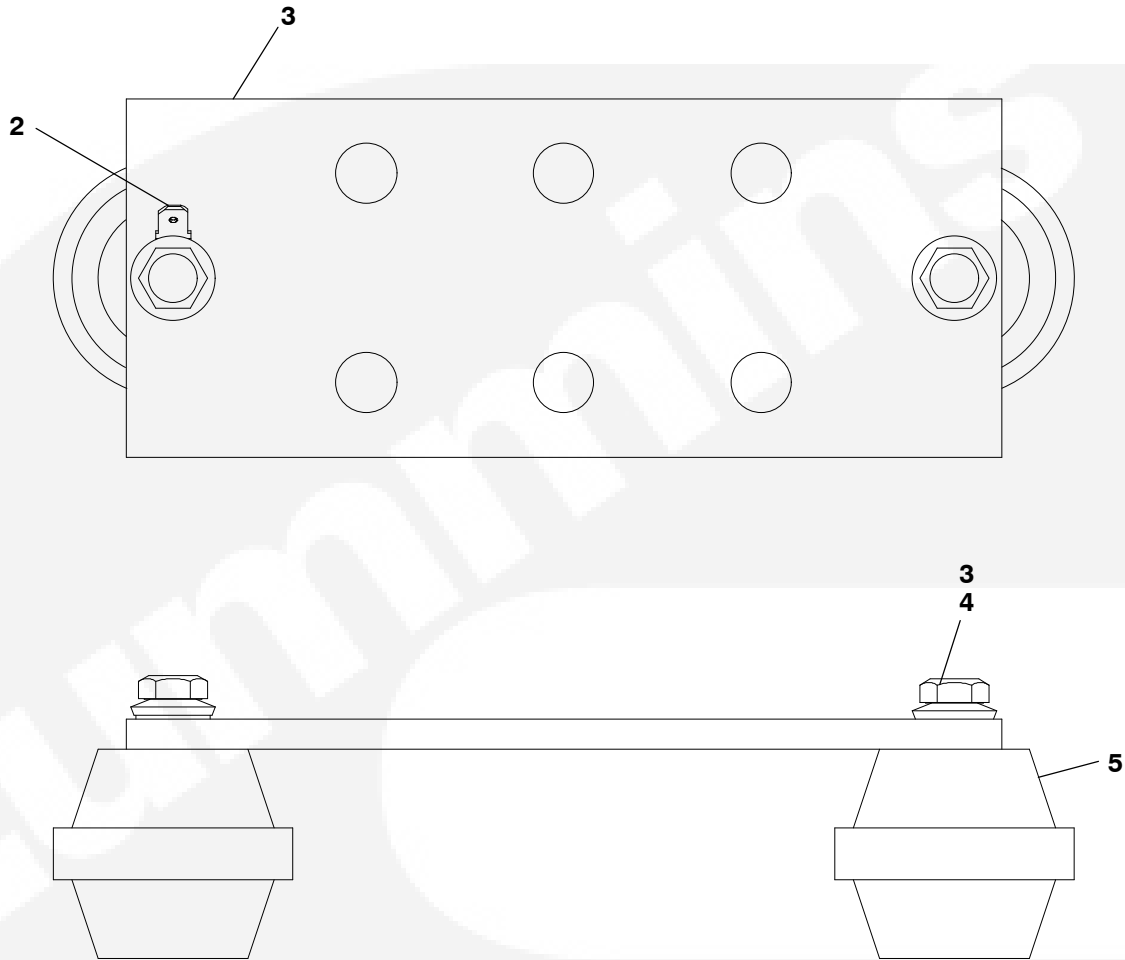
**Neutral Bar
Compression Lugs
3/8 Stud**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	337-3572	-	Bar, Bus - Assembly
1	337-3559-02	1	Bar, Bus - Neutral
2	332-2744-03	2	Standoff, Insulator
3	332-2463	1	Ring, Terminal

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	851-0028	2	Washer, Lock - Spring (5/16)
5	800-0027	2	Screw, Cap - Hex Head (5/16-18 x .88)

Neutral Bar Compression Lugs 1/2 Stud

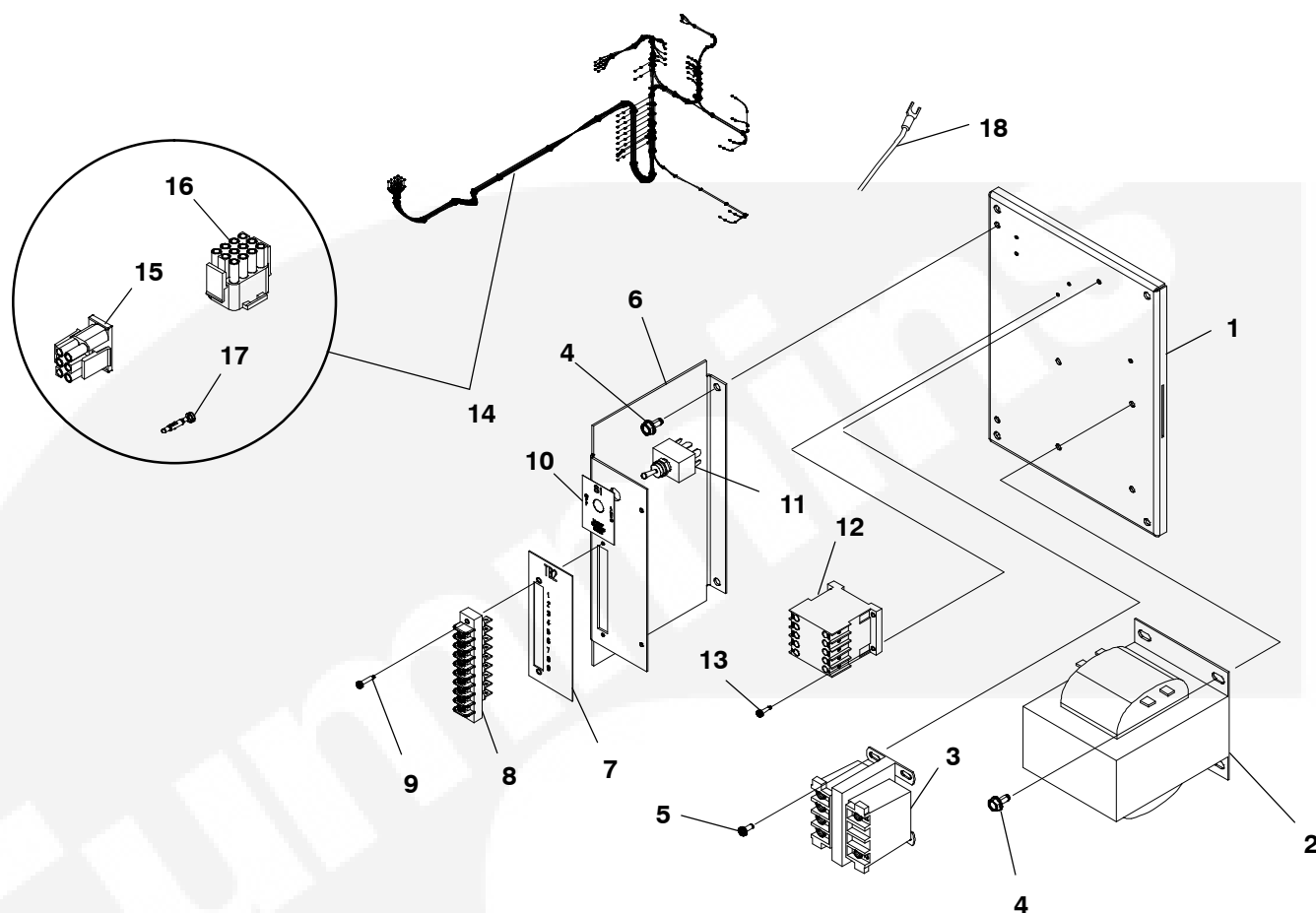


REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	337-3573	-	Bar, Bus - Assembly	4	800-0027	2	Screw, Cap - Hex Head (5/16-18 x .88)
1	337-3564-02	1	Bar, Bus - Neutral	5	332-2744-03	2	Standoff, Insulator
2	332-2463	1	Ring, Terminal				
3	851-0028	2	Washer, Lock - Spring (5/16)				

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Power Panel



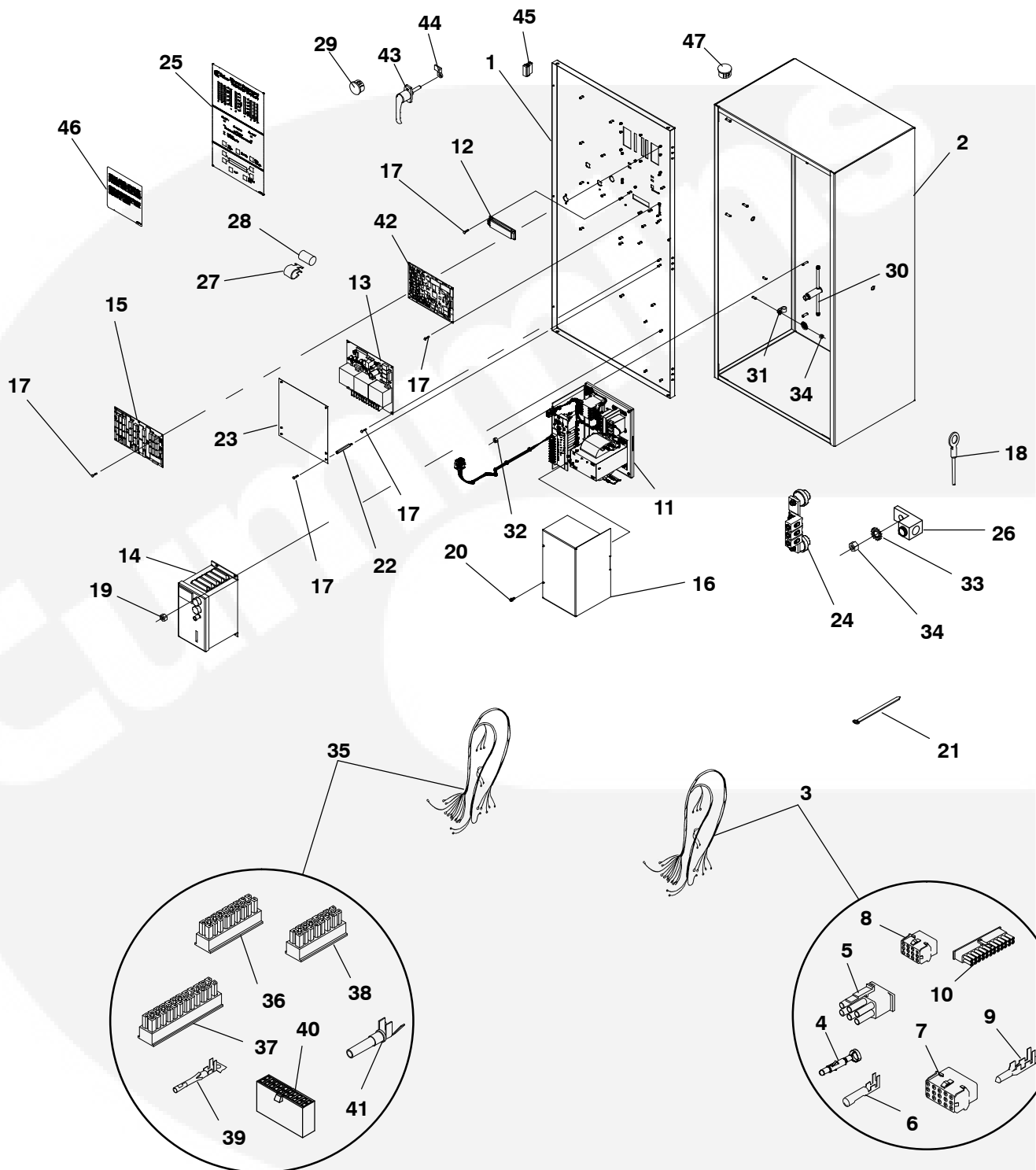
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	315-0843-01	1	Bracket, Power Panel	8	332-3769	1	Block, Terminal (9 Place)
2	315-0838	1	Transformer, Power Panel 190, 208, 220, 240, 380, 415, 440 and 480V	9	815-0959-07	2	Screw, Recessed Pan Head (M3 x .5mm)
	315-0848	1	600V	10	098-7643	1	Label, Motor Disconnect Switch
3	315-0655-01	1	Transformer, Power Panel 120V	11	308-0406	1	Switch, Toggle
	315-0655-02	1	190, 208, 220, 240, 440 and 480V	12	307-2875	1	Relay, Control (24 VAC)
	315-0655-03	1	380, 415V	13	815-0959-05	2	Screw, Cross Recessed – Pan Head (M3 x 0.5 x 12mm)
	315-0655-04	1	600V	14			Harness, Wiring – Power Panel (Includes Parts Marked *) (P3 to K3 and T1, K3 to K3, T1, and T2, T1 to K3, T2 to K3, S1 to TB2, TB2 to GND, and P2 to TB2, S1, and GND)
4			Screw, Hex Head – Thread Forming (M6 x 1mm)				All Except 120V
	815-0753	2	120V		338-3864	1	120V
	815-0753	6	All Except 120V	15	323-1317	1	* Plug, Connector
5	815-0792-03	2	Screw, Pan Crescent Head (M4 x 0.7 x 10mm)	16	323-1314	1	* Plug
6	315-0847-01	1	Bracket, Power Panel (Adapter Plug)	17	323-1199	A/R	* Pin, Contact
7			Label, Information (TB2)	18	226-4870	2	Lead – 190 VAC–480 VAC
	098-7889	1	Marked “1” thru “9”				
	098-7890	1	Marked “GND”, “B+”, and “RMT” for Genset 1 and Genset 2				
	098-7891	1	Marked “GND”, “B+”, “RMT”, “RMT TEST”, “XFER INH”, “LD SHED”, “COM”, and “RXFER INH”				

* – Parts Included in Power Panel Wiring Harness
(338-3864 or 338-3865)

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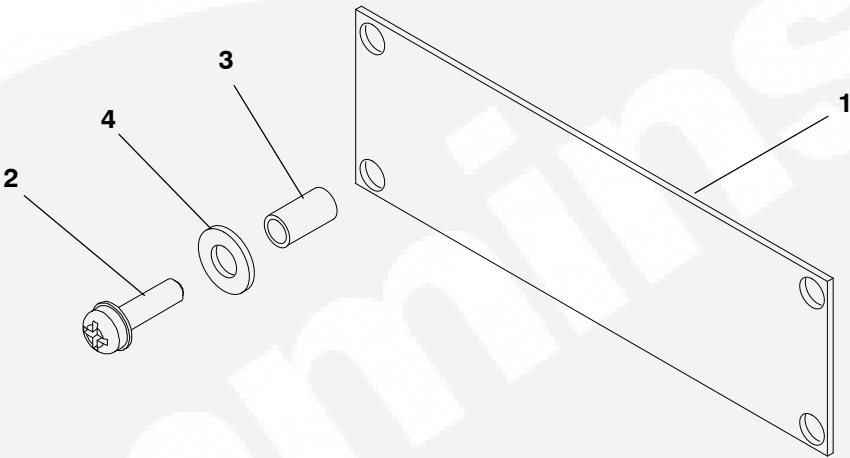
Cabinet



Cabinet

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4805-02	1	Door, Cabinet	25			Membrane, Panel
2	319-4802-02	1	Cabinet – Type 1				Type 1 Cabinet
3	338-3859	1	Harness, Wiring – Main – Level 2 Control (Includes Parts Marked +)		300-5186	1	Level 2 Control Without Meters–Bar Graph Display
4	323-1199	A/R	+ Pin, Contact		300-5271	1	With Meters–Bar Graph Display
5	323-1317	1	+ Plug, Connector (6 Place)				Type 3R, 4, and 12 Cabinets
6	323-1200	A/R	+ Contact, Socket				Level 2 Control
7	323-1253	1	+ Cap, Circuit (15 Place)		300-5392	1	Without Meters–Bar Graph Display
8	323-1315	1	+ Cap, Connector (12 Place)		300-5393	1	With Meters–Bar Graph Display
9	323-1859	A/R	+ Contact, Socket				Lug, Solderless (1/4")
10	323-1856	1	+ Plug, Circuit (20 Place)				Retainer, Battery
11			Panel, Power (See Separate Page for Components)	26	332-3647	1	Battery, Lithium
	315-0842-01	1	120V	27	416-1049	2	Plug, Hole (Models Without Front Panel Security)
	315-0842-02	1	190, 208, 220, 240, 440, and 480V	28	416-1048	2	Type 1 Cabinet
	315-0842-03	1	380 and 416V	29			Type 3R, 4, and 12 Cabinets
	315-0842-04	1	600V		517-0137	1	Handle, Crank
12	300-5151	1	Module, Digital Display		517-0266	1	Clamp, Loop
13			Board, Printed Circuit – Power Module	30	306-4690	1	Nut, Locking – Hex Head (M6)
			Level 2 Control	31	332-1414	1	Washer, Lock W/EIT (1/4")
	300-5149-01	1	120V	32	870-2054	4	Nut, Hex Head (M6)
	300-5149-02	1	208, 220, 240, 440, 480V	33	856-0006	1	Harness, Printed Circuit Board
	300-5149-03	1	600V	34	860-2007	2	Level 2 Utility-to-Genset (Includes Parts Marked ‡)
	300-5149-04	1	190, 380, 416V	35	338-3858	1	‡ Connector (18 Pin)
14	—	1	Charger, Battery (See Separate Pages for Components)				‡ Connector (24 Pin)
15	300-5180	1	Board, Printed Circuit – Bar Graph	36	323-1806-09	1	‡ Connector (16 Pin)
16	315-0844-01	1	Cover, Power Panel	37	323-1806-12	1	‡ Terminal, Receptacle
17	815-0959-02	26	Screw, Pan Head (M3 x 7)	38	323-1806-08	1	‡ Cap, Connector (20 Pin)
18	226-4798	1	Lead	39	323-3606	A/R	‡ Pin, Contact
19	862-0026-53	4	Nut, Hex (M5)	40	323-1857	1	Board, Printed Circuit – Digital Module – Level 2 Control
20	815-0792-02	2	Screw, Pan Head (M4 x 8)	41	323-1858	A/R	Handle, Locking (Includes Hardware and 2 Keys)
21	332-1794	1	Tie, Cable	42	300-5147-02	1	Latch, Cam
22	870-2216	4	Standoff, Male Snap	43	406-0809	1	Bumper
23	306-4523	1	Cover, Printed Circuit Board	44	406-0933	1	Label, Overlay
24			Bar Assembly, Neutral (Used With 2 and 3 Pole Transfer Switches) (See Separate Page for Components)	45	508-1186	3	Plug, Hole
			Mechanical Lugs	46	098-7987	1	
	337-3510-01	1	125, 150 Amp	47	517-0135	6	
	337-3510-02	1	225, 260 Amp				+ – Parts Included in Main Wiring Harness (338-3859)
			Compression Lugs				‡ – Parts Included in Printed Circuit Board Harness (338-3858)
	337-3571	1	5/16 Stud				
	337-3572	1	3/8 Stud				
	337-3573	1	1/2 Stud				

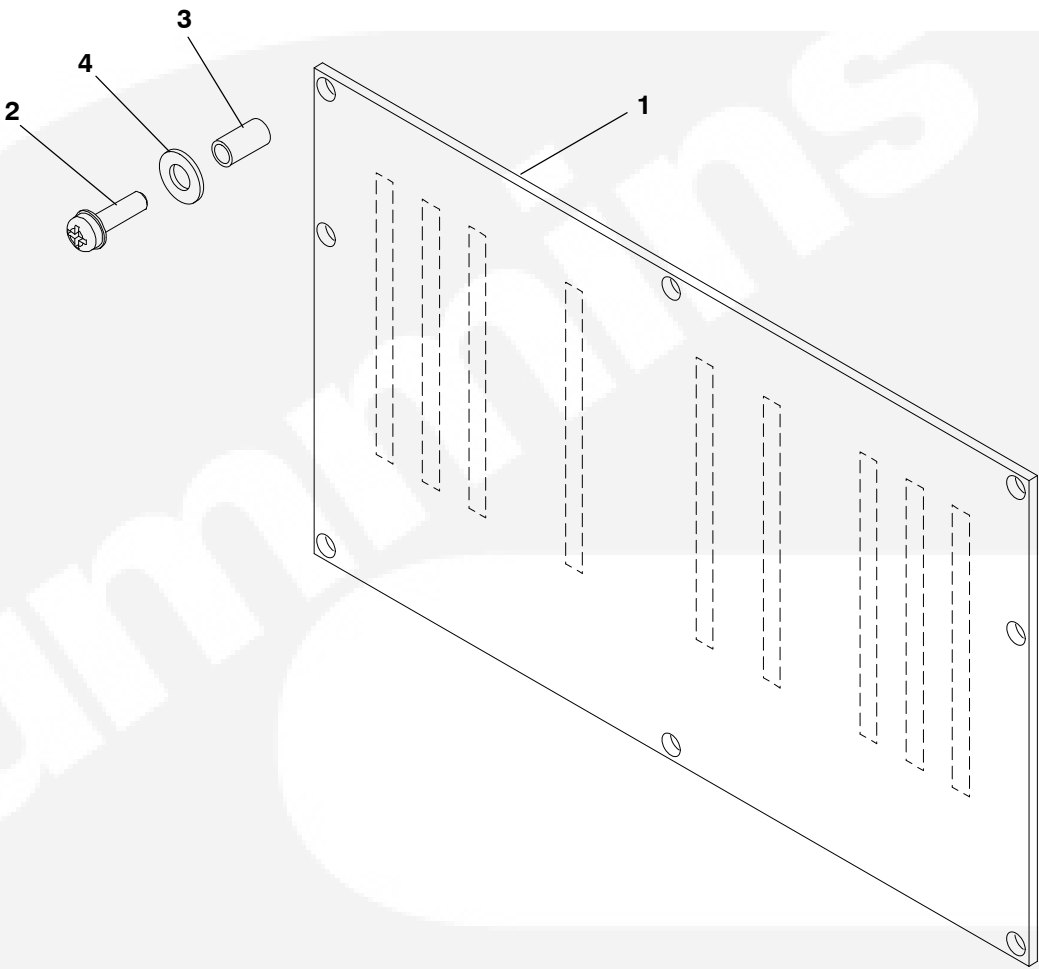
Digital Display – Blank



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4140-01	1	Plate, Digital Display Cover	3	870-2218-02	4	Standoff, Nylon
2	815-0959-02	4	Screw, Cross Recessed – Pan Head (M3 x 0.5 x 7)	4	526-0257	4	Washer, Flat

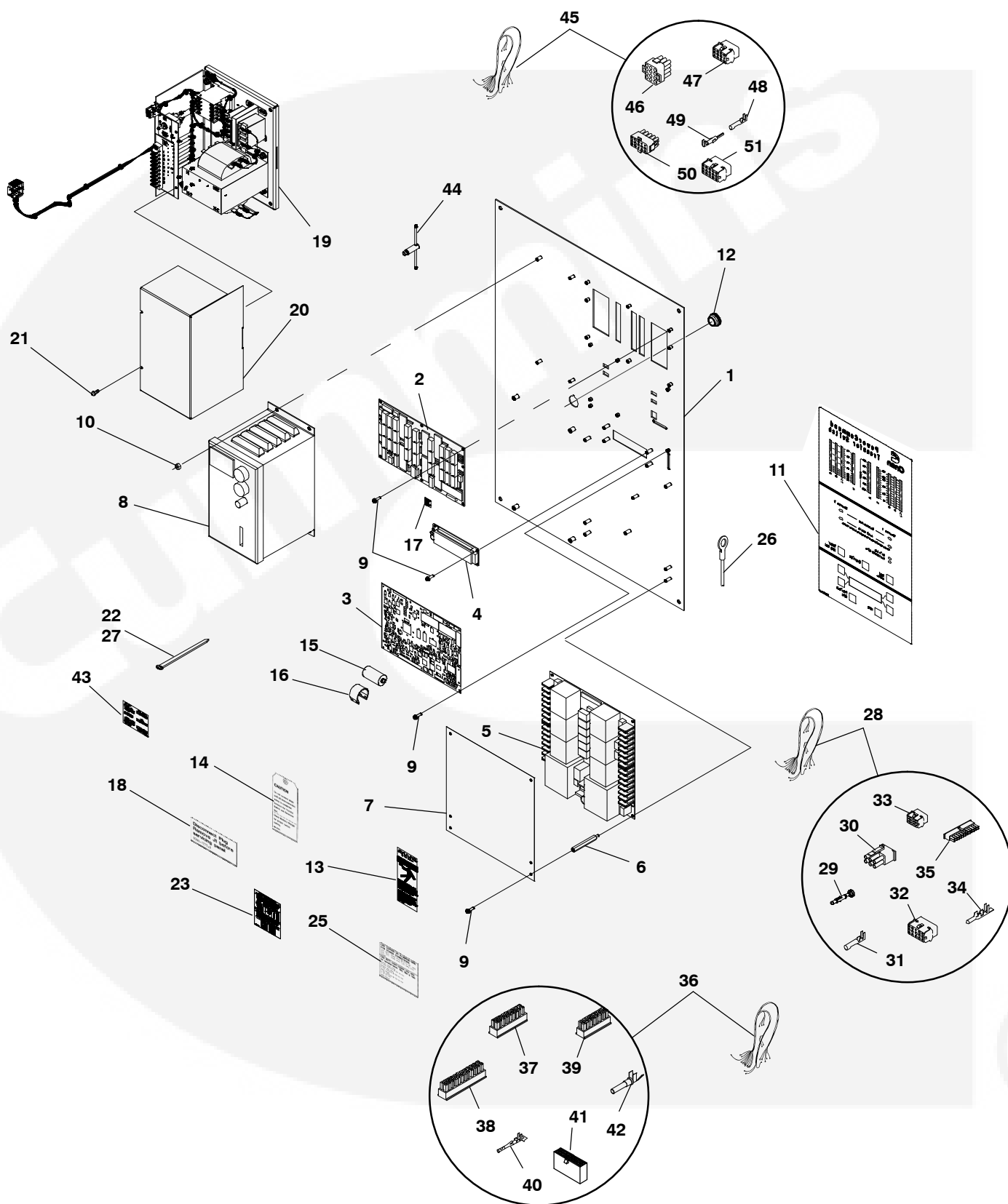


Bar Graph – Blank



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

Open Construction

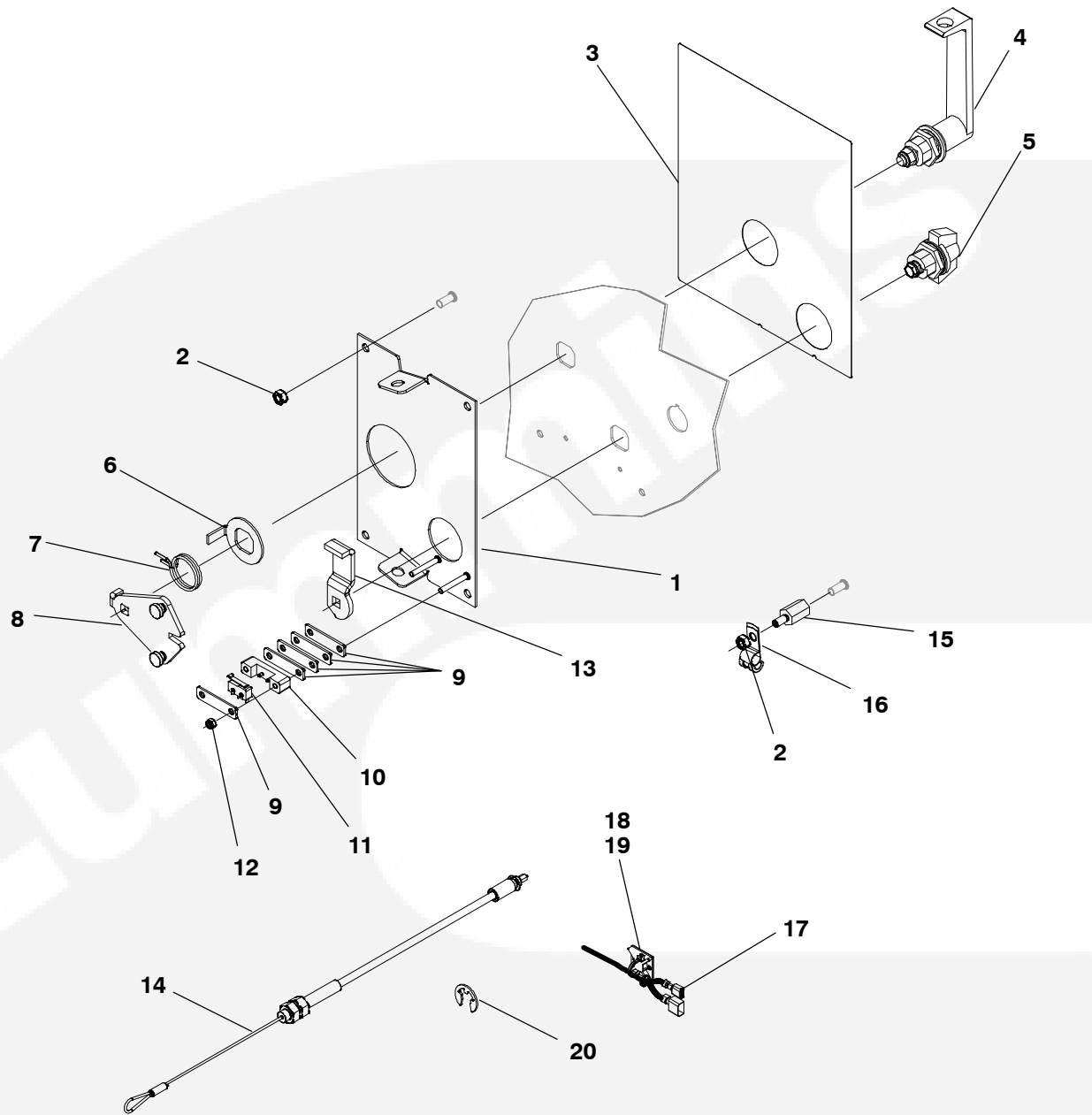


Open Construction

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-4011-02	1	Plate, Open Construction	25	098-7505	1	Label, Customer Wiring
2	300-5180	1	Board, Printed Circuit – Bar Graph	26	226-4798	1	Lead Assembly, ATS Sending Tie, Cable
3	300-5147-02	1	Board, Printed Circuit – Digital Module – Level 2 Control	27	332-0942	A/R	
4	300-5151	1	Module, Digital Display	28	338-3859	1	Harness, Wiring – Main – Level 2 Control (Includes Parts Marked +)
5			Board, Printed Circuit – Power Module	29	323-1199	A/R	+ Pin, Contact
			Level 2 Control	30	323-1317	1	+ Plug, Connector (6 Place)
	300-5149-01	1	120V	31	323-1200	A/R	+ Contact, Socket
	300-5149-02	1	208, 220, 240, 440, 480V	32	323-1253	1	+ Cap, Circuit (15 Place)
	300-5149-03	1	600V	33	323-1315	1	+ Cap, Connector (12 Place)
	300-5149-04	1	190, 380, 416V	34	323-1859	A/R	+ Contact, Socket
6	870-2216	4	Standoff, Male Snap	35	323-1856	1	+ Plug, Circuit (20 Place)
7	306-4523	1	Cover, Printed Circuit Board	36	338-3858	1	Harness, Printed Circuit Board – Level 2 Control
8		1	Charger, Battery (See Separate Page for Components)				Utility-to-Genset (Includes Parts Marked ‡)
9	815-0959-02	23	Screw, Pan Head – Cross-Recessed (M3 x 7mm)	37	323-1806-09	1	‡ Connector (18 Pin)
10	862-0026-53	4	Nut, Hex (M5)	38	323-1806-12	1	‡ Connector (24 Pin)
11			Membrane, Panel	39	323-1806-08	1	‡ Connector (16 Pin)
			Level 2 Control	40	323-3606	A/R	‡ Terminal, Receptacle
	300-5392	1	Without Meters–Bar Graph Display	41	323-1857	1	‡ Cap, Connector (20 Pin)
	300-5393	1	With Meters–Bar Graph Display	42	323-1858	A/R	‡ Pin, Contact
12	517-0266	1	Plug, Hole	43	098-7921	1	Label, Customer Wiring
13	098-7735	2	Label, Cover (Danger)	44	306-4690	1	Handle, Crank
14	098-5589	1	Tag, Caution	45			Harness, Wiring – Extension (48" Long)
15	416-1048	2	Battery, Lithium – 3V		338-2219	1	P2 to J2 (Includes Parts Marked *)
16	416-1049	2	Retainer, Battery		338-2220	1	P1 to J2 (Includes Parts Marked †)
17	098-7672	1	Label, Function	46	323-1314	1	* Plug, Connector (12 Pin)
18	098-7275	1	Label, Plug	47	323-1315	1	* Cap, Connector (12 Pin)
19			Panel, Power (See Separate Page for Components)	48	323-1200	A/R	*† Socket, Contact
	315-0842-01	1	120V	49	323-1199	A/R	*† Pin, Contact
	315-0842-02	1	190, 208, 220, 240, 440, and 480V	50	323-1252	1	† Plug, Connector (15 Pin)
	315-0842-03	1	380 and 416V	51	323-1253	1	† Cap, Connector (15 Pin)
	315-0842-04	1	600V				+ – Parts Included in Main Wiring Harness (338-3859)
20	315-0844-01	1	Cover, Power Panel				‡ – Parts Included in Printed Circuit Board Harness (338-3858)
21	815-0792-02	2	Screw, Pan Head (M4 x 8mm)				* – Parts Included in Extension Wiring Harness (338-2219)
22	332-1794	1	Tie, Cable				† – Parts Included in Extension Wiring Harness (338-2220)
23	098-6367	1	Label, Torque				
24		1	Transfer Switch (Not Illustrated) (See Separate Page for Components)				



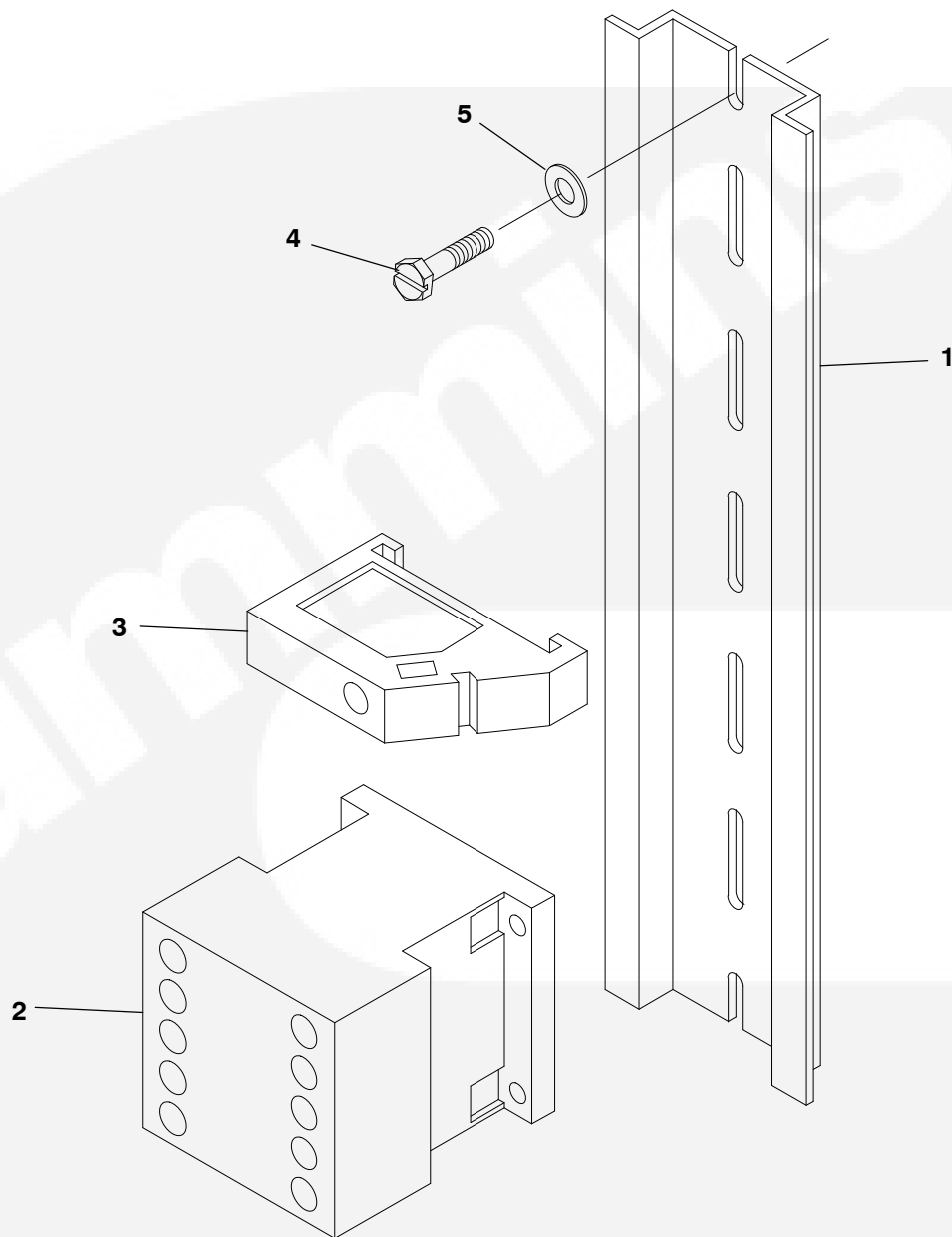
External Manual Operator



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-4686	1	Bracket, Panel
2	870-0506	14	Nut, Nylon - Lock (M6 x 1)
3	098-7967	1	Label, Information
4	406-1020	1	Handle, Door
5	406-1021	1	Key, Lock
6	306-4688	1	Bracket, Panel
7	506-0004	1	Spring, Torsion
8	306-4699	1	Bracket, Handle
9	306-4653	5	Insulator, Limit Switch
10	306-4578	1	Holder, Limit Switch
11	308-1099	1	Switch, Subminiature

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	870-2064-01	2	Nut, Nyloc
13	306-4689	1	Bracket, Panel
14	335-0195-01	2	Cable - Assembly
15	872-0012	4	Standoff
16	332-3874	10	Clamp, Cable
17	338-4305	1	Harness, Accessory
18	332-2420	1	Mount, Cable Tie
19	332-0942	1	Tie, Cable
20	518-0688-10	2	Ring, Retainer (Spare for Cable)

Auxiliary Relay
Utility-to-Genset and Genset-to-Genset Applications



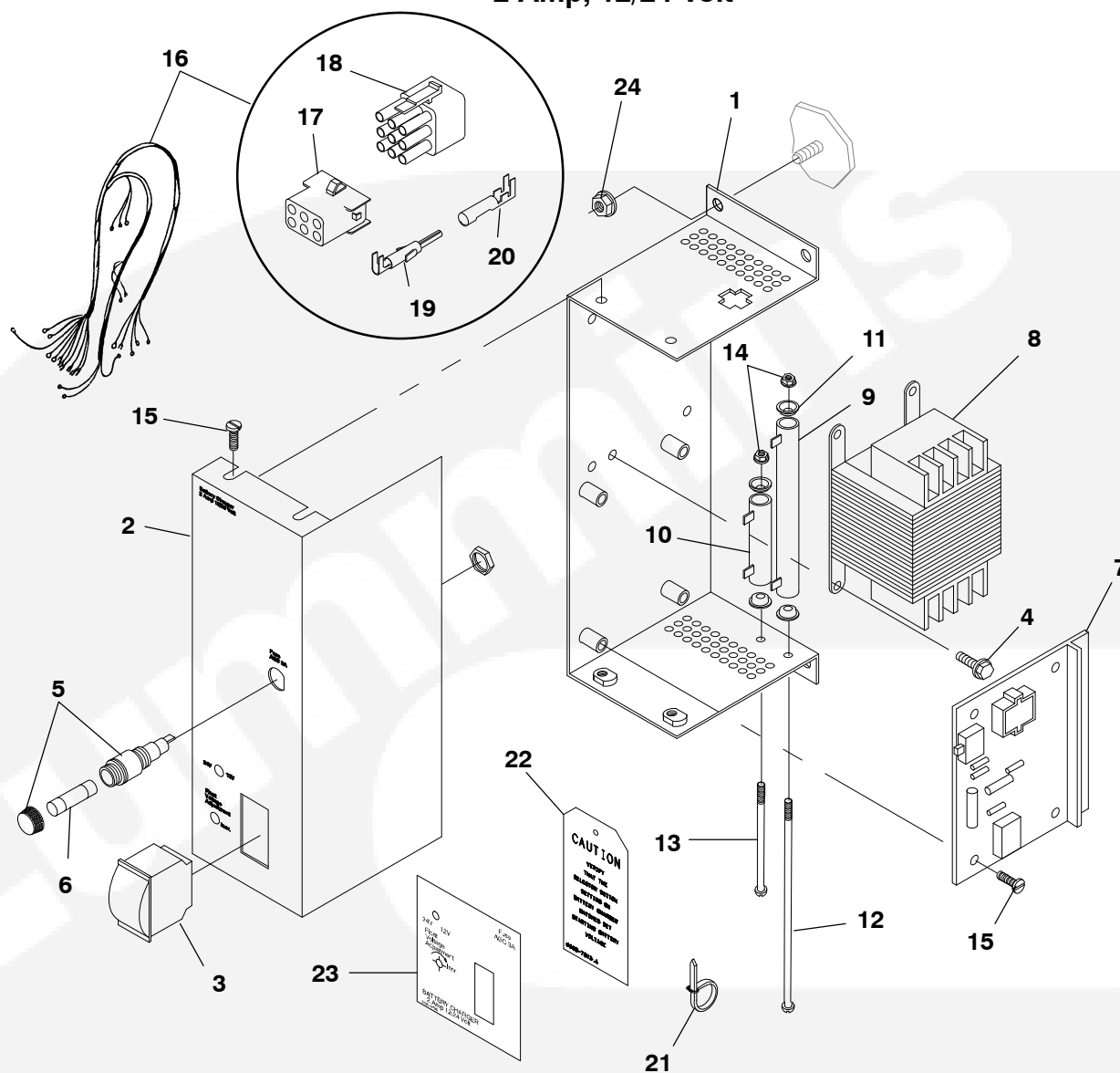
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-04	1	Rail, Terminal
2	307-2873	1	Relay, Control 12 VDC
	307-2874	1	24 VDC

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
3	332-2878	2	Bracket, End
4	815-0955-03	2	Screw, Phillips/Hex Head – GND (M4 x 10mm)
5	526-0003	2	Washer, Flat

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Battery Charger 2 Amp, 12/24 Volt



K001

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 – 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	21	332-1794	A/R	* Tie, Cable
	315-0621-02	1	208/240/480 Volt	22	098-7843	1	Tag, Caution
	315-0621-03	1	380/416 Volt	23	098-5708	1	Label, Charger
	315-0621-04	1	600 Volt	24	862-0026-53	4	Nut, Hex (M5)
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

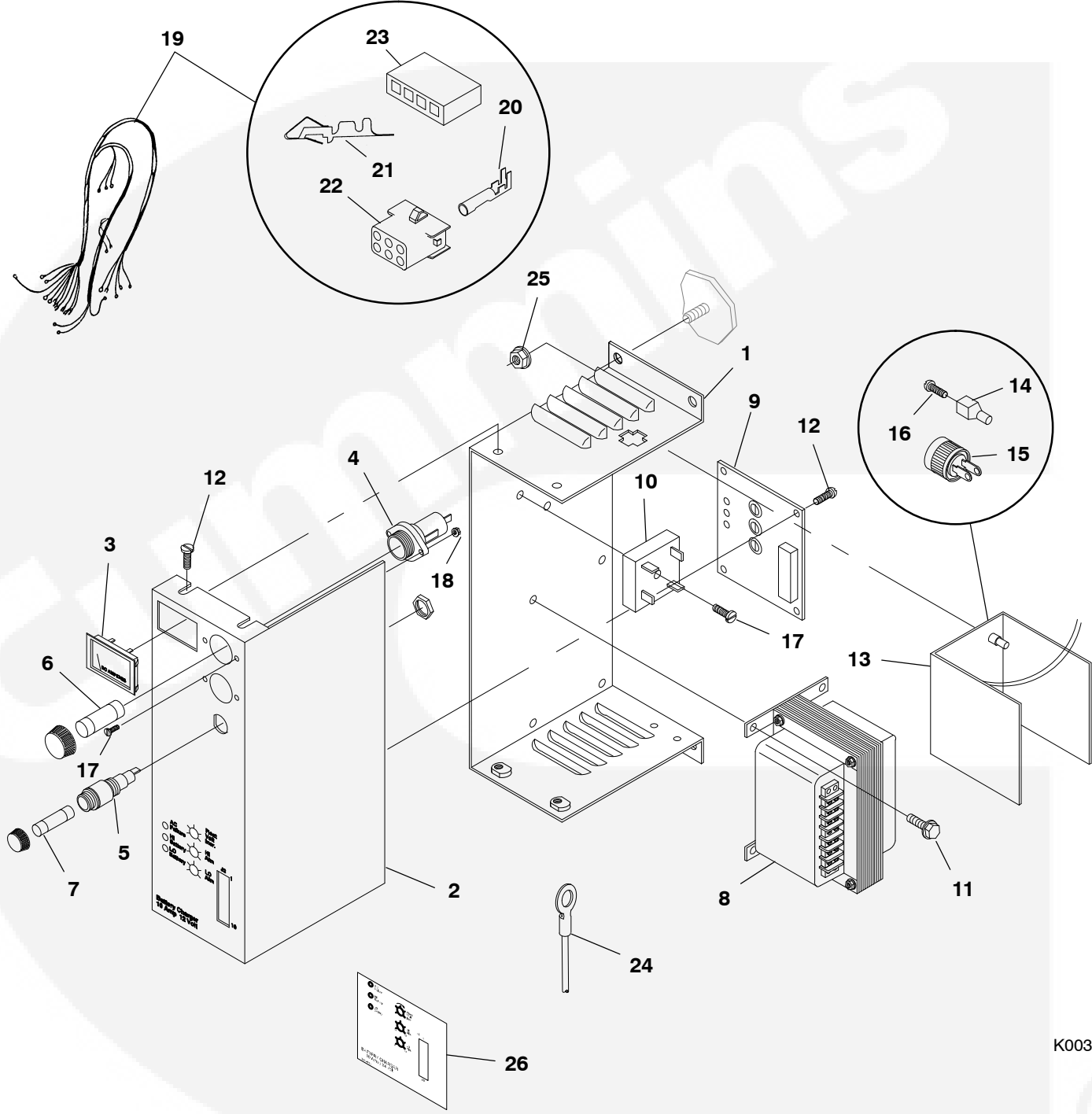


Battery Charger 10 Amp, 12 Volt

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	Board, Printed Circuit – Battery Charger
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	815-0902	8	Screw, Pan Head – W/ET (#6-32 x 3/8)
5	321-0175	1	Holder, Fuse (DC Output)	13	305-0781	1	Rectifier Assembly – SCR (12 Volt) (Includes Parts Marked *)
6			Fuse	14	364-0003	1	* Rectifier, Gate (SCR)
			50 Hertz	15	809-0035	4	* Screw, Sheet Metal – Round Head (#8 x 3/4)
	321-0304-01	2	416/440 Volt (1 Amp Fuse)	16	870-0263	4	* Nut, Insulated (#8)
	321-0304-02	2	380 Volt (1.5 Amp Fuse)	17	815-0539	6	Screw, Pan Head – W/ET (#8-32 x 5/8)
	321-0304-03	2	240 Volt (2 Amp Fuse)	18	870-0221	5	Nut, Hex – W/ET (#8-32)
	321-0304-04	2	220 Volt (2.5 Amp Fuse)	19	338-2223	1	Harness, Battery Charger (Includes Parts Marked #)
			60 Hertz	20	323-1200	A/R	# Socket, Terminal
	321-0304-01	2	480 Volt (1 Amp Fuse)	21	323-1302	A/R	# Pin, Terminal
	321-0304-02	2	380 Volt (1.5 Amp Fuse)	22	323-1318	1	# Cap, 6 Pin
	321-0304-03	2	240 Volt (2 Amp Fuse)	23	323-1374-05	1	# Plug, 5 Pin
	321-0304-04	2	208 Volt (2.5 Amp Fuse)	24	226-3554-02	1	Lead (Quantity Used as Required)
	321-0304-05	2	120 Volt (4.5 Amp Fuse)	25	862-0026-53	4	Nut, Hex (M5)
	321-0303-02	2	600 Volt (2.5 Amp Fuse)	26	098-5808	1	Label, Charger
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 305-0781 Rectifier Assembly
– Parts Included in 338-2223 Wiring Harness

Battery Charger
10 Amp, 24 Volt



K003

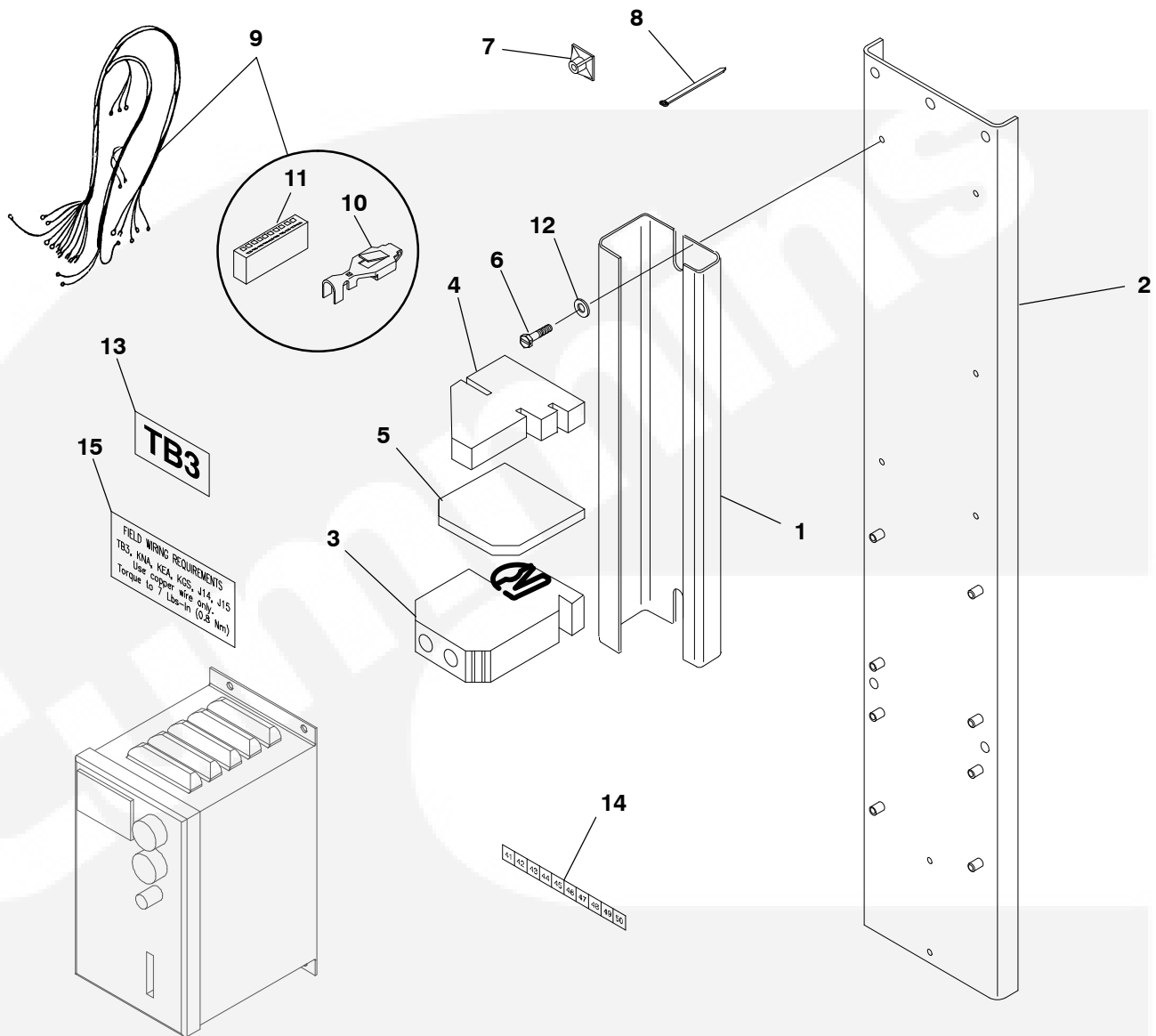
Battery Charger 10 Amp, 24 Volt

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0072	1	Wrapper, Charger – Battery	10	305-0653	1	Rectifier, Bridge
2	319-0073	1	Cover, Charger – Battery	11	821-0040	4	Screw, Machine – Locking Head (#10-32 x 5/16)
3	302-1844	1	Ammeter, DC	12	815-0902	8	Screw, Pan Head – W/ET (#6-32 x 3/8)
4	321-0237	2	Holder, Fuse (AC Input)	13	305-0781	1	Rectifier Assembly – SCR (12 Volt) (Includes Parts Marked *)
5	321-0175	1	Holder, Fuse (DC Output)	14	870-0263	4	* Nut, Insulated (#8)
6			Fuse	15	364-0003	1	* Rectifier, Gate (SCR)
			50 Hertz	16	809-0035	4	* Screw, Sheet Metal – Round Head (#8 x 3/4)
	321-0304-04	2	380/416/440 Volt (2.5 Amp Fuse)	17	815-0539	6	Screw, Pan Head – W/ET (#8-32 x 5/8)
	321-0304-05	2	240 Volt (4.5 Amp Fuse)	18	870-0221	5	Nut, Hex – W/ET (#8-32)
	321-0304-06	2	220 Volt (5 Amp Fuse)	19	338-2223	1	Harness, Battery Charger (Includes Parts Marked #)
			60 Hertz	20	323-1200	A/R	# Socket, Terminal
	321-0303-02	2	600 Volt (2.5 Amp Fuse)	21	323-1302	A/R	# Pin, Terminal
	321-0304-03	2	480 Volt (2 Amp Fuse)	22	323-1318	1	# Cap, 6 Pin
	321-0304-04	2	380 Volt (2.5 Amp Fuse)	23	323-1374-05	1	# Plug, 5 Pin
	321-0304-05	2	240 Volt (4.5 Amp Fuse)	24	226-3554-02	1	Lead (Quantity Used as Required)
	321-0304-06	2	120/208 Volt (5 Amp Fuse)	25	862-0026-53	4	Nut, Hex (M5)
7	321-0127	1	Fuse (15 Amp)	26	098-5797	1	Label, Charger
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	120/208/240 Volt				
	315-0707	1	380 Volt				
	315-0709	1	480 Volt				
	315-0711	1	600 Volt				
9	300-3244	1	Board, Printed Circuit – Battery Charger				

* – Parts Included in 305-0781 Rectifier Assembly
– Parts Included in 338-2223 Wiring Harness

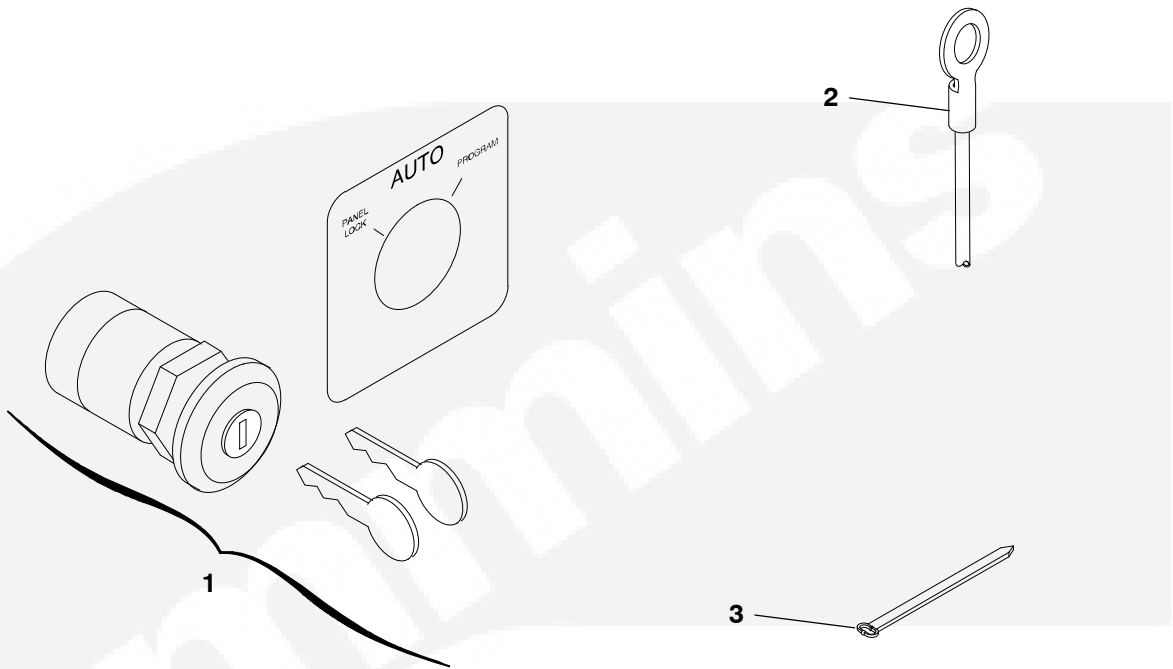


Battery Charger Alarm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	Rail, Terminal Block	10	323-1302	9	* Pin, Contact (J2)
2	319-3943-01	1	Plate, Mounting	11	323-1374-10	1	* Housing, Connector (10 Pin) (J2)
3	332-2836-02	1	Block, Terminal (Sectional)	12	526-0003	2	Washer, Flat
4	332-2839	2	Bracket, End – Terminal	13	098-5710	1	Label, Terminal Block (TB3)
5	332-2841	1	Plate, End – Terminal	14	332-2842-15	1	Tag, Terminal
6	815-0955-03	2	Screw, Phillips/Hex Head – GND (M4 x 10)	15	098-7621	1	Label, Torque
7	332-2420	A/R	Mount, Cable Tie	* – Parts Included in 338-2350 Wiring Harness			
8	332-0942	A/R	Tie, Cable				
9	338-2350	1	Harness, Alarm (Includes Parts Marked *)				

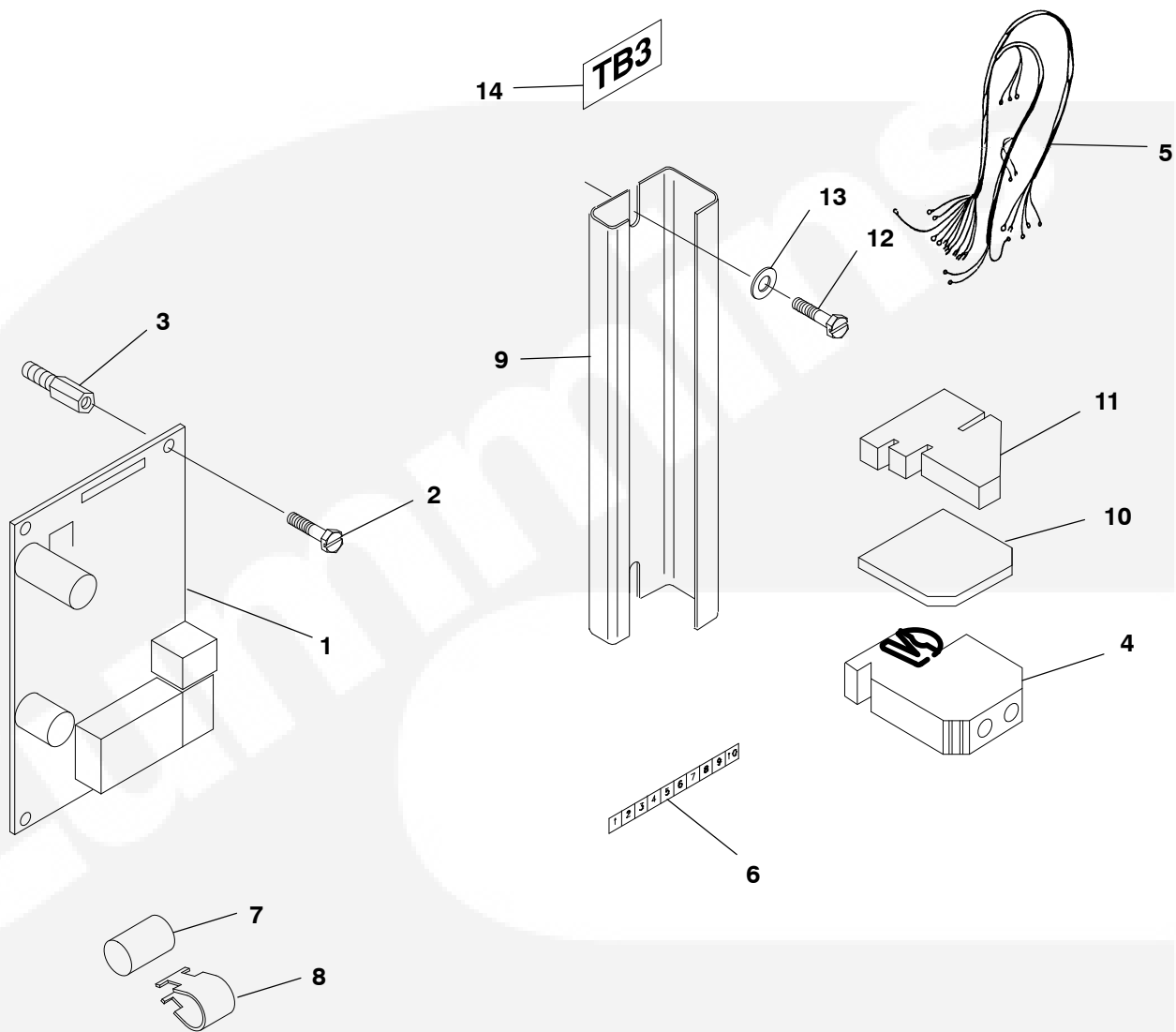
Front Panel Security



M017

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-1094	1	Switch, Selector (Includes Two Position Key Switch, Two Keys, Adaptor Ring, and Label	2	226-4794-01	1	Lead 14" (Marked S20-2 - J27-5)
					226-4794-02	1	16" (Marked S20-2 - J27-11)
				3	332-0842	4	Tie, Cable

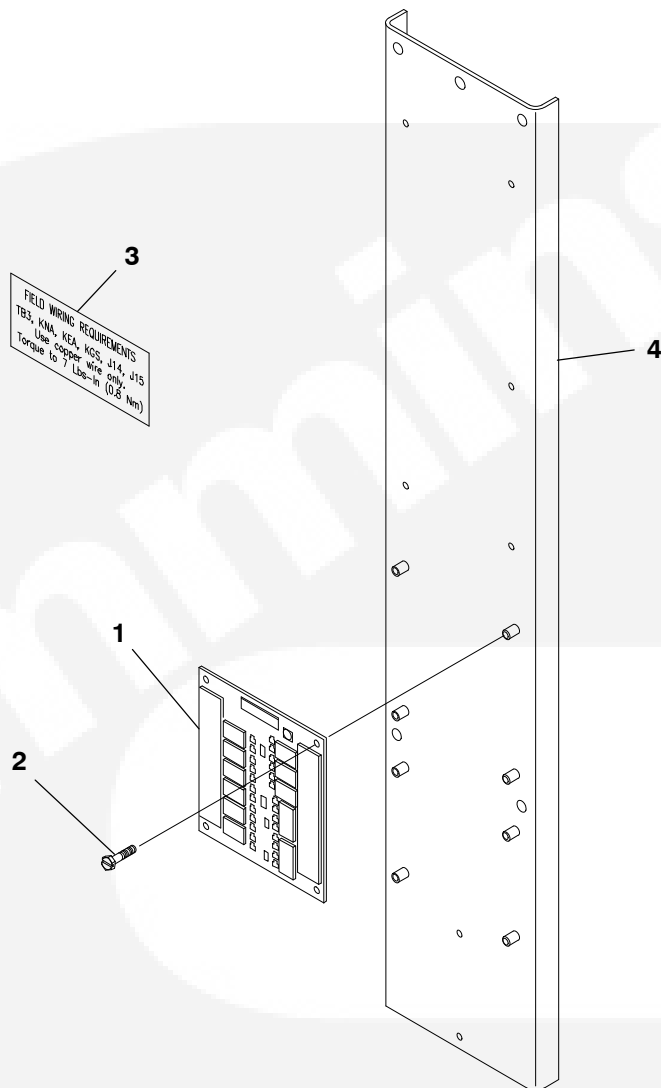
Network Module



M020

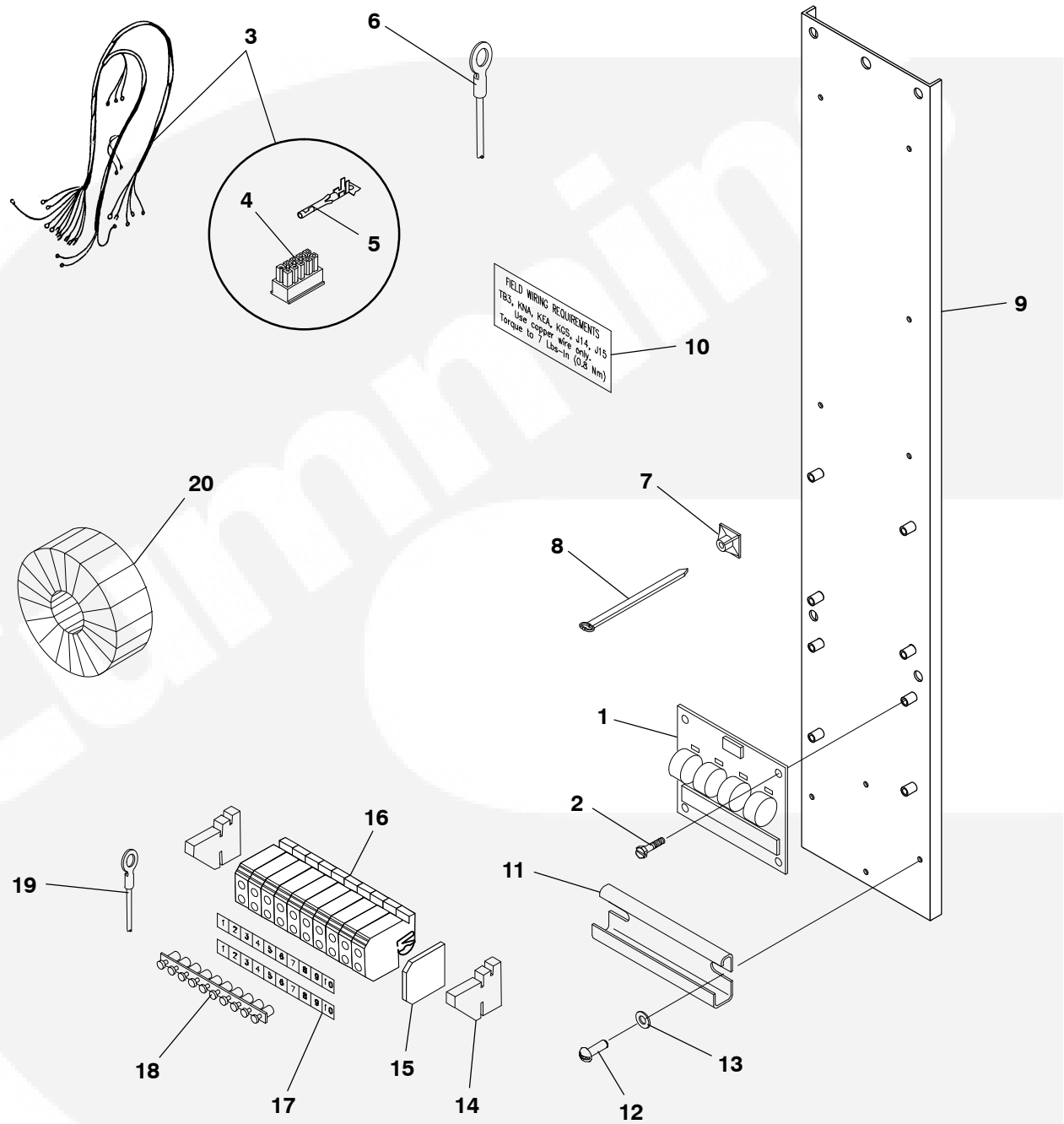
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit – Network Module	8	416-1049	2	Clip, Battery
	300-5153	1	TP-78	9	332-2837-09	1	Rail, Terminal Block
	327-1307	1	FTT-10	10	332-2841	1	Plate, End – Terminal
2	815-0959-03	4	Screw, Pan Head (M3 x 0.5 x 8)	11	332-2839	2	Bracket, End – Terminal
3	870-2213-02	4	Standoff, Hex Thread (M3)	12	815-0955-03	2	Screw, Phillips/Hex Head – GND (M4 x 10mm)
4	332-2836-01	2	Block, Terminal (Sectional)	13	526-0003	2	Washer, Flat
5	338-3886	1	Harness, Network (48" Long)	14	098-5710	1	Label, Terminal Block (TB3)
6	332-2842-16	2	Tag, Terminal				
7	416-1048	2	Battery – Lithium (3.0V) (Purchase Locally)				

Relay Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-5152	1	Board, Printed Circuit – Relay Module	3	098-7621	1	Label, Torque
2	815-0959-02	4	Screw, Pan Head (M3 x 7mm)	4	319-3943-01	1	Plate, Mounting

Current Module



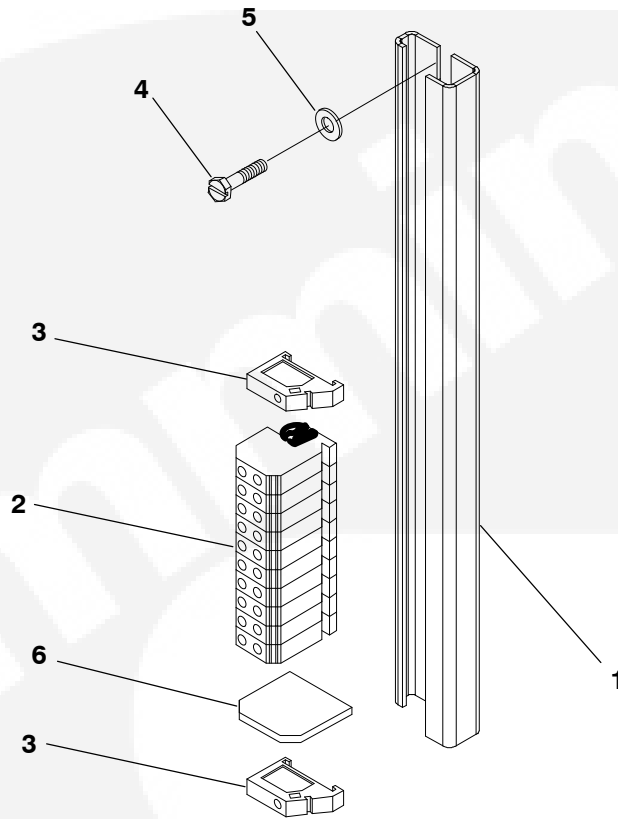
Current Module

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	20			Transformer, Current
2	815-0959-02	4	Screw, Pan Head (M3 x 7mm)	302-1821	2		40 Amp
3	338-3884-01	1	Harness, Wiring – Current Module (Includes Parts Marked *)	302-1821	3		120 VAC
				302-1821	4		1 Phase, 2 or 3 Wire
							3 Phase, 3 or 4 Wire
4	323-1806-05	2	* Connector, Receptacle (10 Pin)	302-1822	2		70 Amp
5	332-3606	20	* Socket, Contact	302-1822	3		120 VAC
6	226-4794-03	1	Lead – 15" (Marked J40-14, GND)	302-1822	4		1 Phase, 2 or 3 Wire
							3 Phase, 3 or 4 Wire
7	332-2420	A/R	Mount, Cable Tie	302-1392	2		125 Amp
8	332-0942	A/R	Tie, Cable	302-1392	3		120 VAC
9	319-3943-01	1	Plate, Mounting	302-1392	4		1 Phase, 2 or 3 Wire
10	098-7621	1	Label, Torque				3 Phase, 3 or 4 Wire
11	332-2837-11	1	Rail, Terminal	302-1811	2		150 Amp
12	815-0955-03	2	Screw, Cap – Hex Head Ground (M4 x 10mm)	302-1811	3		120 VAC
				302-1811	4		1 Phase, 2 or 3 Wire
13	526-0003	2	Washer, Flat				3 Phase, 3 or 4 Wire
14	332-2839	2	Bracket, End – Terminal	302-0209	2		225 Amp
15	332-2841	1	Plate, Terminal – End	302-0209	3		120 VAC
16	332-2836-02	1	Block, Terminal – Sectional	302-0209	4		1 Phase, 2 or 3 Wire
17	332-2842-11	2	Tag, Terminal (1-10)				3 Phase, 3 or 4 Wire
18	332-2843-04	1	Jumper, Terminal – 10 Pole Leads (4")	302-1393	2		260 Amp
19				302-1393	3		120 VAC
	226-4814-01	1	Marked J40-1, TB4-2	302-1393	4		1 Phase, 2 or 3 Wire
	226-4814-02	1	Marked J40-2, TB4-3				3 Phase, 3 or 4 Wire
	226-4814-03	1	Marked J40-5, TB4-4				
	226-4814-04	1	Marked J40-6, TB4-5				
	226-4814-05	1	Marked J40-9, TB4-6				
	226-4814-06	1	Marked J40-10, TB4-7				
	226-4814-07	1	Marked J40-13, TB4-8				
	226-4814-08	1	Marked J40-14, TB4-9				

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

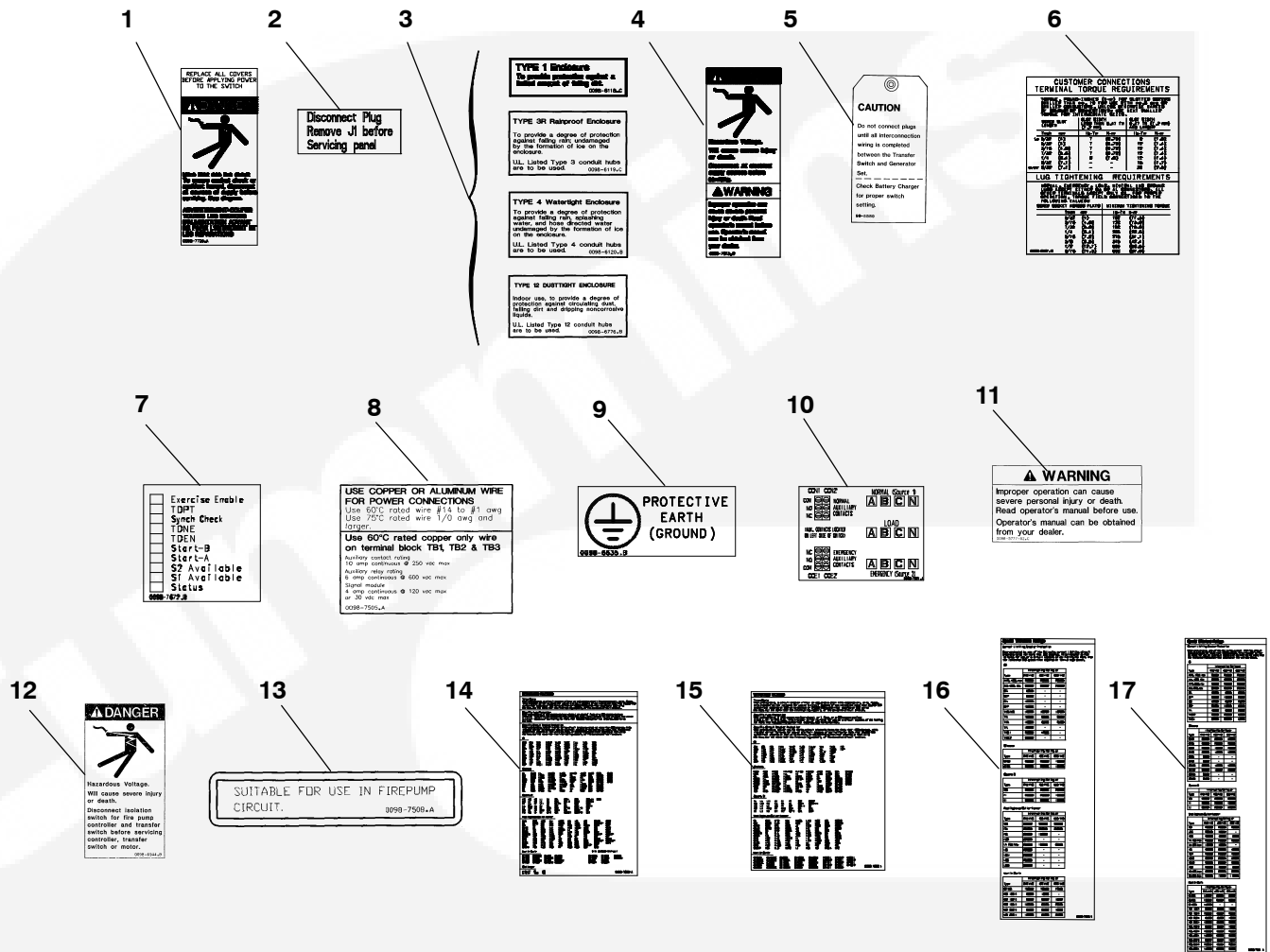


Terminal Block



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)				

Cabinet Labels



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-7735	2	Label, Danger	10	098-7921	1	Label, Customer Wiring Information
2	098-7275	1	Label, Plug	11	098-5777-01	1	Label, Warning
3	098-6118	1	Label, Cabinet	12	098-6944	1	Label, Fire Pump Danger
	098-6119	1	Type 1 Cabinet	13	098-7508	1	Label, Fire Pump Switch
	098-6120	1	Type 3R Cabinet	14	098-7898	1	Label, Withstand Rating - 25,000 RMS
	098-6120	1	Type 4 Cabinet	15	098-7899	1	Label, Withstand Rating - 35,000 RMS
	098-6776	1	Type 12 Cabinet	16	098-7900	1	Label, Information - Breaker - 500 Amp
4	098-7613	1	Label, Danger	17	098-7901	1	Label, Information - Breaker - 1200 Amp
5	098-5589	1	Label, ATS Caution				
6	098-6367	1	Label, Torque				
7	098-7672	1	Label, Function				
8	098-7505	1	Label, Customer Wiring				
9	098-6635	1	Label, Ground				

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