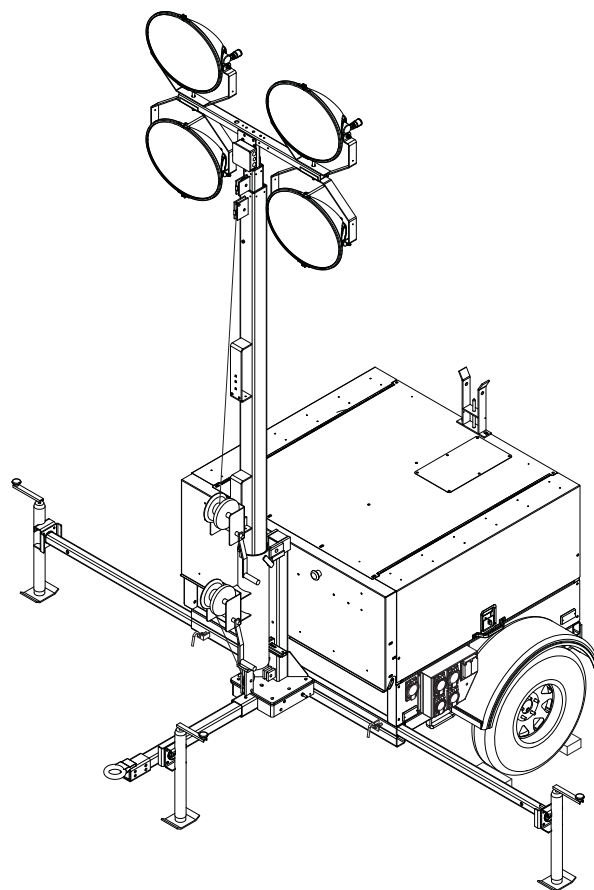




LIGHT TOWER MLT5250I



PARTS MANUAL

INTRODUCTION

Before servicing this machine, make sure the engine start switch is turned to off "O", the circuit breakers are open (off, "O"), and the negative (-) terminal on battery is disconnected. Attach a "DO NOT START" sign to the control panel. This will notify everyone that the unit is being serviced and will reduce the chance of someone inadvertently trying to start the unit.

▲ WARNING

Before operating or servicing this equipment, read and understand the Magnum Operating Manual which was included with the unit when shipped from the factory. Failure to do so increases the risk of injury to yourself or others.

MAGNUM PRODUCTS LLC
215 Power Drive • Berlin, WI 54923
U.S.A.
Phone: 920-361-4442
FAX: 920-361-4416
Toll Free: 1-800-926-9768
www.m-p-llc.com

For technical or parts QUESTIONS, please contact Magnum Products' Customer Support or Technical Support team at 920-361-4442 or toll free at 1-800-926-9768. Please have your serial number available.

To ORDER SERVICE PARTS, please contact the dealer from which you purchased the unit, or call Magnum Products to locate a dealer in your area.

Engine Make: _____
Engine Serial Number: _____
Engine Model Number: _____
Generator Make: _____
Generator Model Number: _____
Generator Serial Number: _____
Unit Model Number: _____
Unit Serial Number: _____

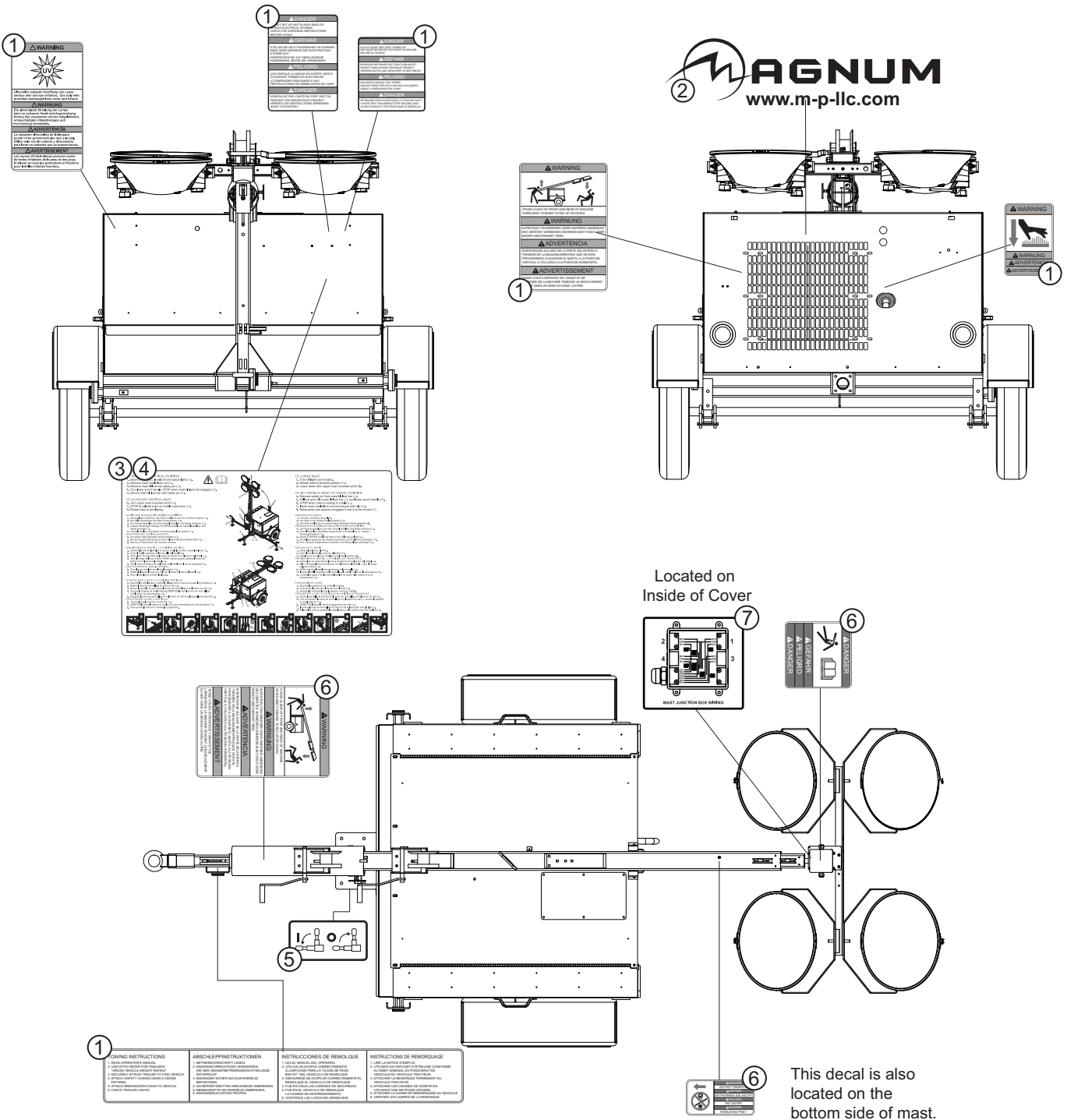
▲ WARNING

CALIFORNIA PROPOSITION 65 WARNING:
Diesel engine exhaust and some of its constituents are known to the state of California to cause cancer, birth defects and other reproductive harm.

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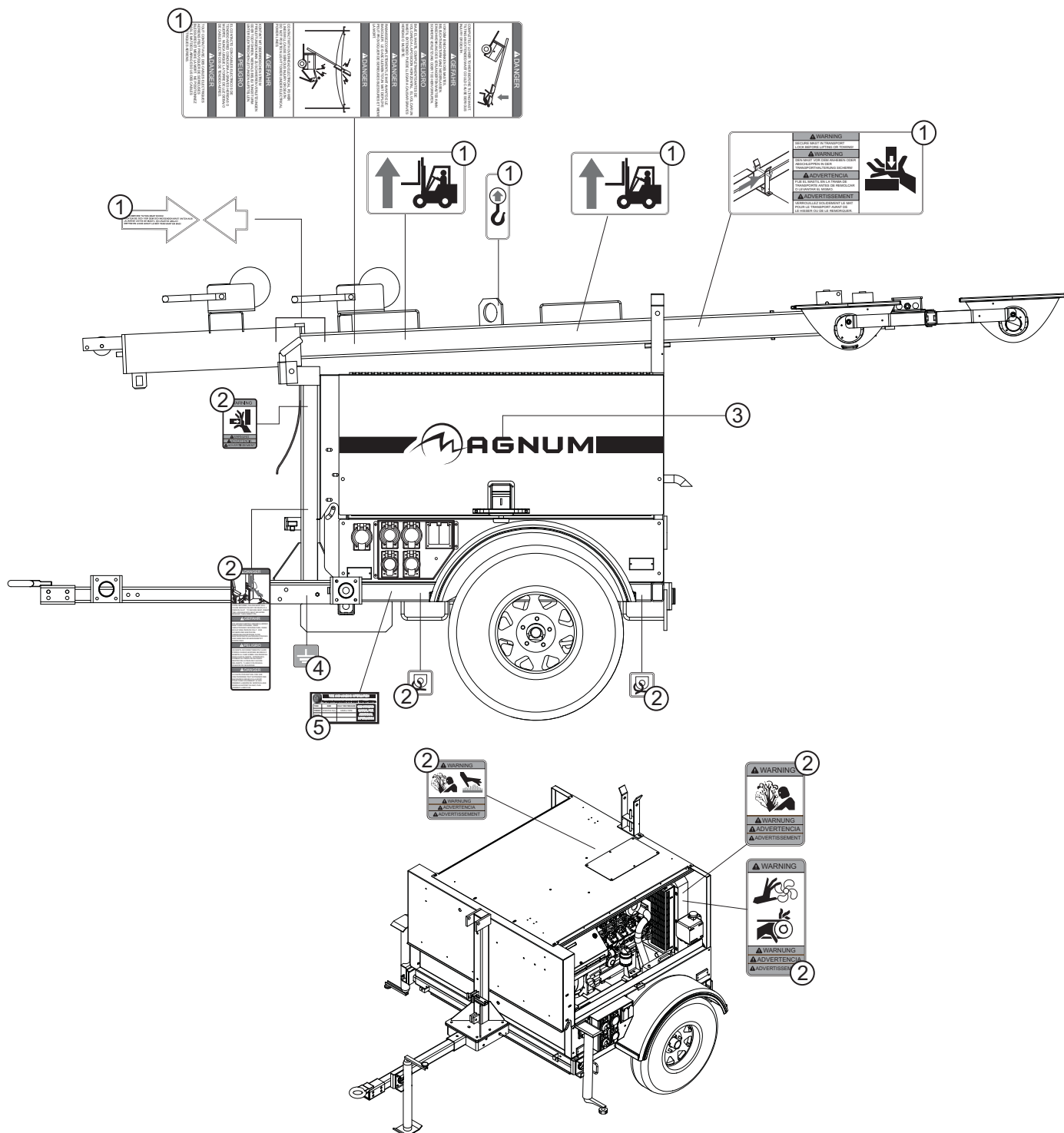
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UNIT DECALS



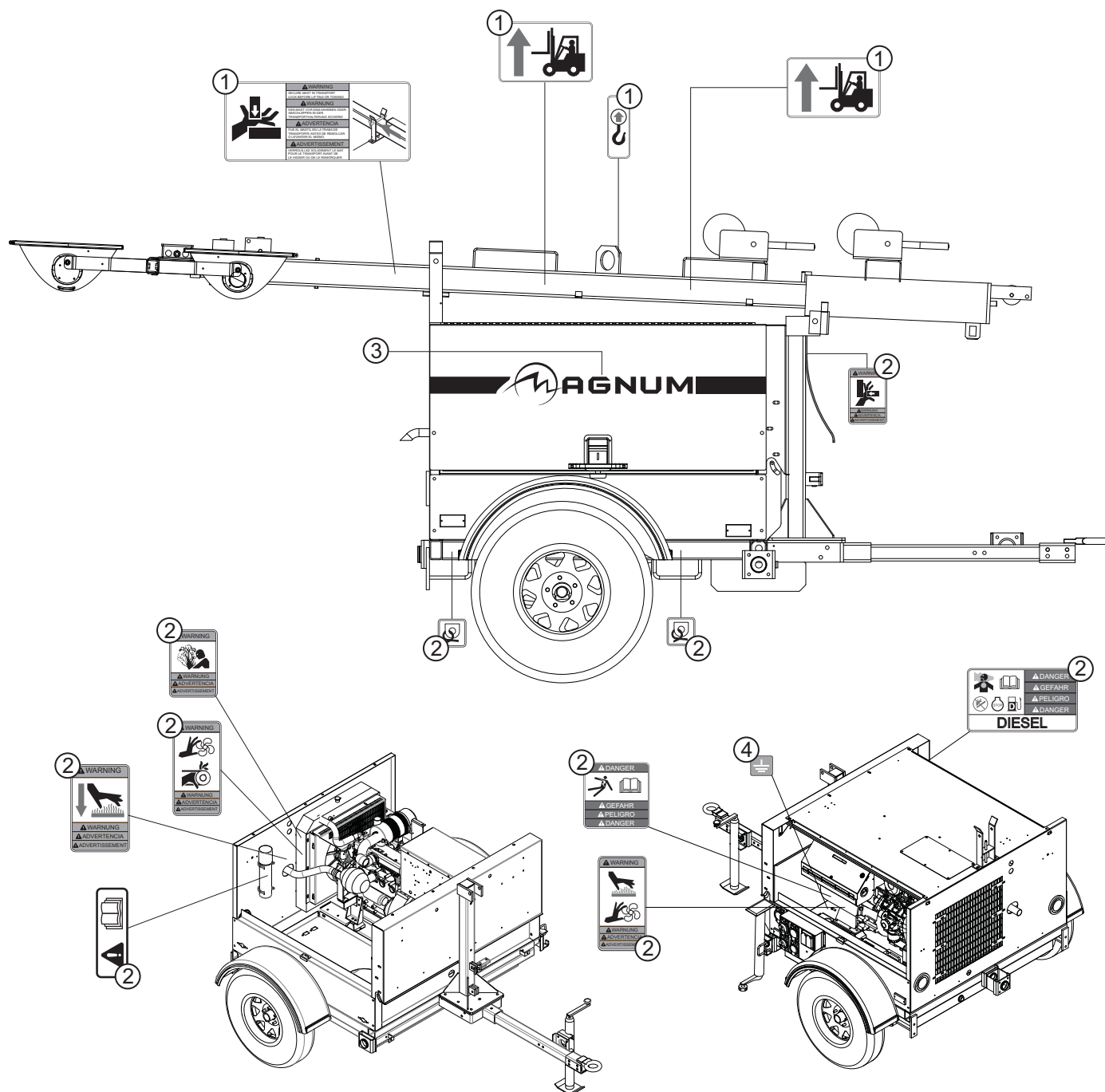
ITEM	PART	QTY	DESCRIPTION	NOTES
1	12141	1	Decal set, LT eng/safety 4-lang	
2	11275	1	Decal, Magnum logo w/ web - red vinyl	
3	10514	1	Decal, MLT set-up 5000 sq cabinet (MW)	For manual winch models
4	10584	1	Decal, MLT set-up 5000 sq cabinet (EW)	For electric winch models
5	12313	1	Decal, LT parking brake (if equipped)	
6	12140	1	Decal set, common mast 4-lang	
7	13614	1	Decal, mast junction box wiring - 4 light	
--	13615	1	Decal, mast junction box wiring - 6 light	

UNIT DECALS



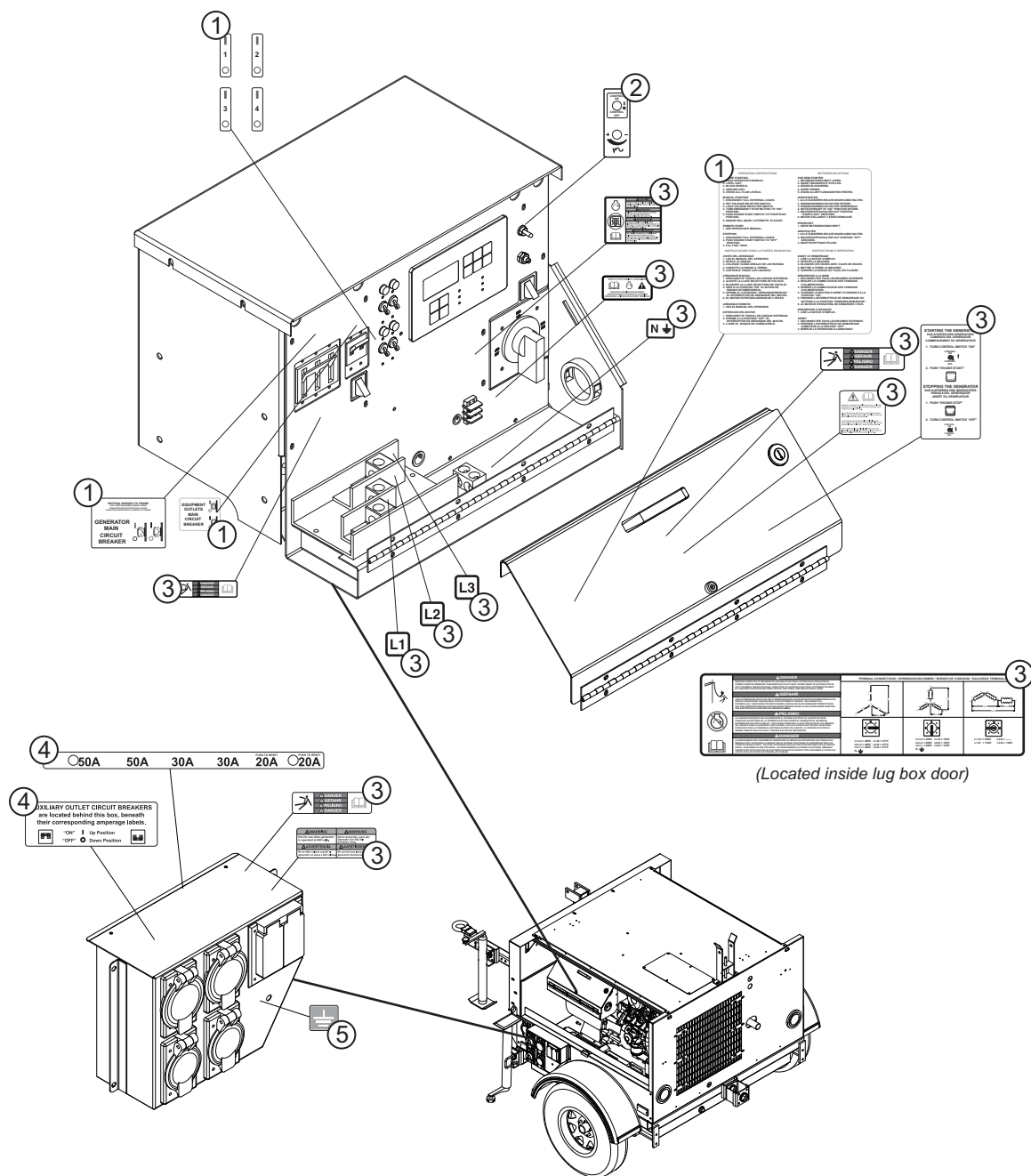
ITEM	PART	QTY	DESCRIPTION	NOTES
1	12140	1	Decal set, common mast 4-lang	
2	12141	1	Decal set, LT eng/safety 4-lang	
3	16488	1	Decal, Magnum logo w/ red stripe	
4	12142	3	Decal, ground	
5	29000	1	Decal, tire load	

UNIT DECALS



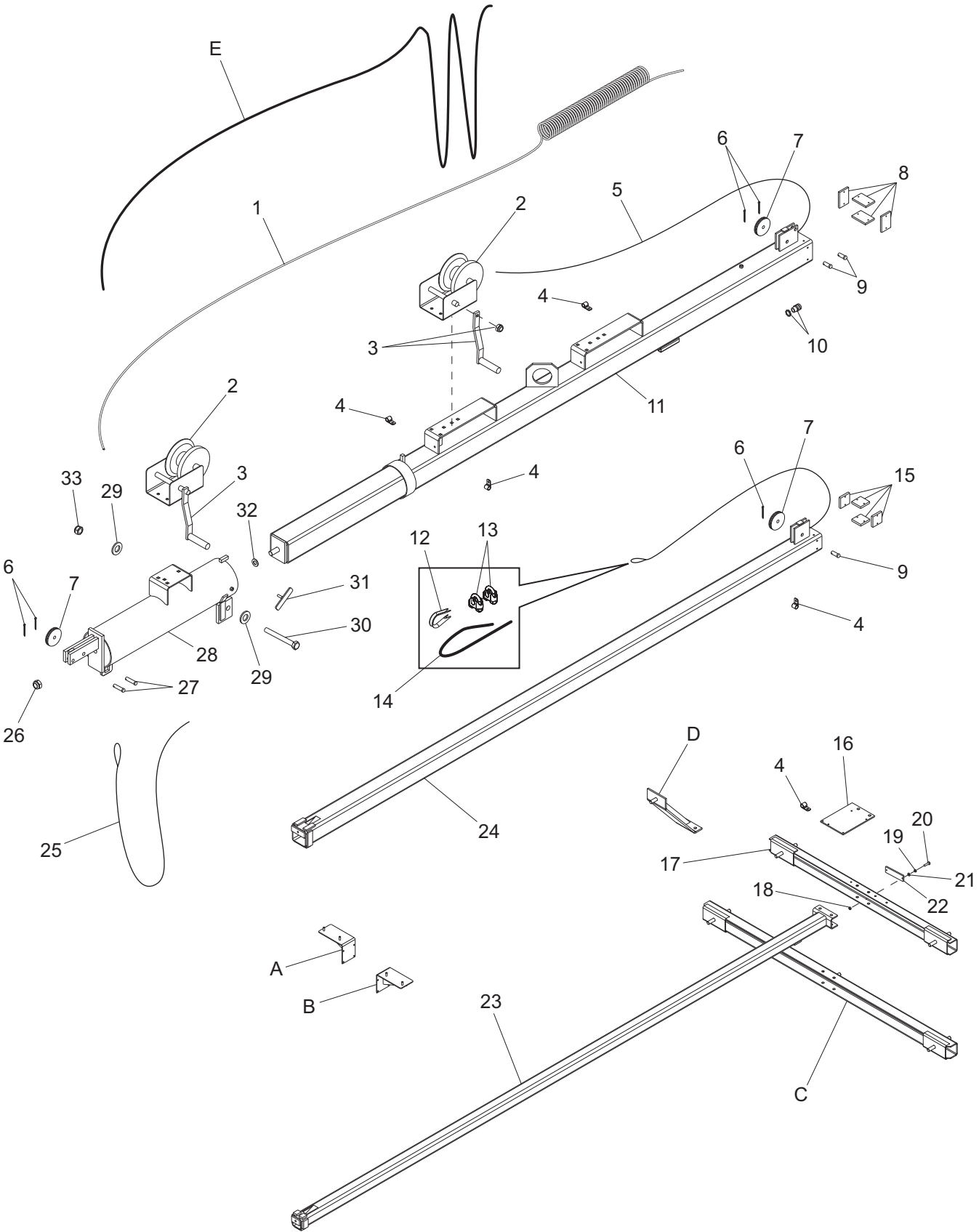
ITEM	PART	QTY	DESCRIPTION	NOTES
1	12140	1	Decal set, common mast 4-lang	
2	12141	1	Decal set, LT eng/safety 4-lang	
3	16488	1	Decal, Magnum logo w/ red stripe	
4	12142	1	Decal, ground	

UNIT DECALS



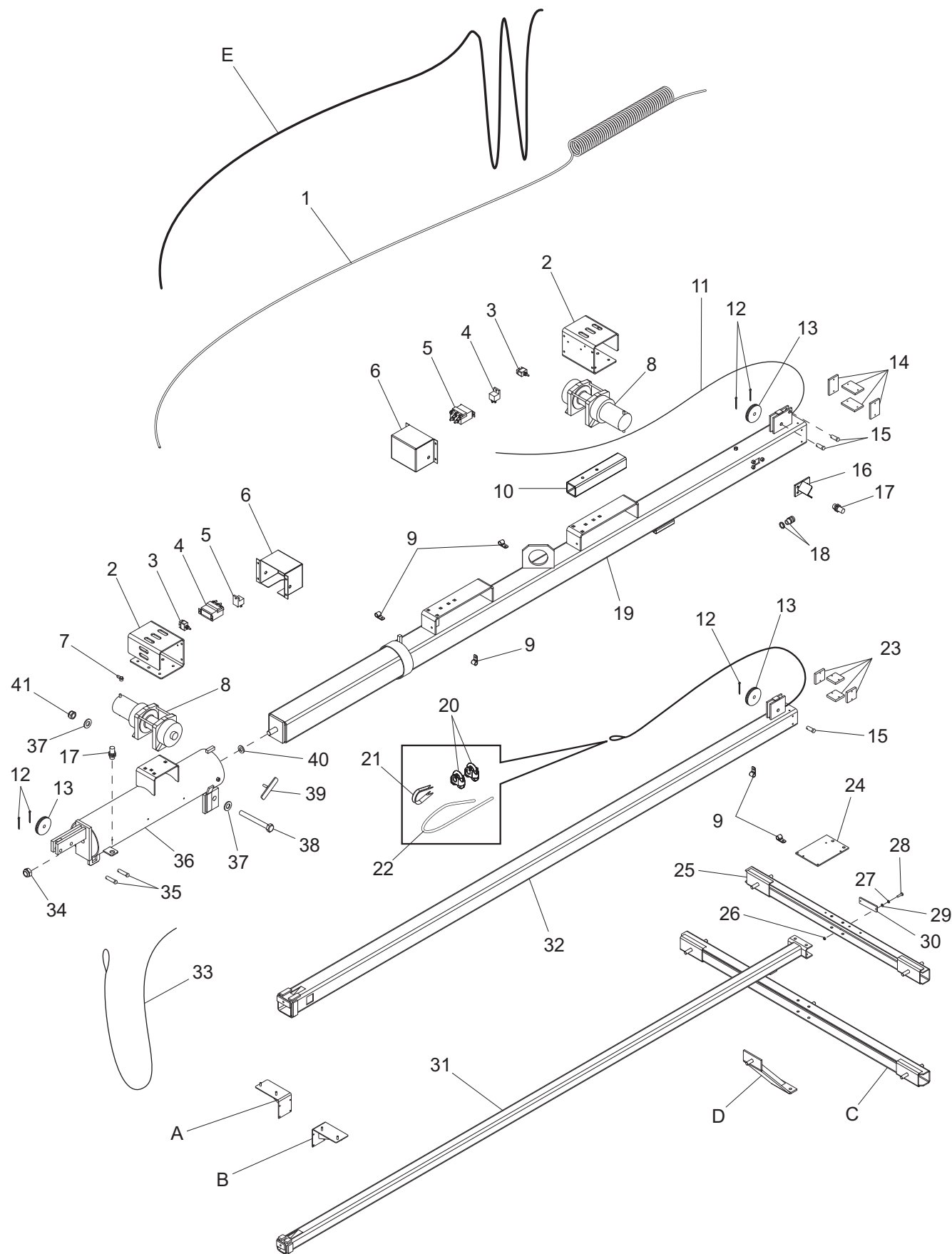
ITEM	PART	QTY	DESCRIPTION	NOTES
1	13136	1	Decal set, MLT4250, 5250	See page 19 for options
2	12742	1	Decal, controller switches	
3	12191	1	Decal, label set - MLG25	
4	10792	1	Decal, aux outlet breakers	
5	12142	1	Decal, ground	

MANUAL WINCH MAST ASSEMBLY



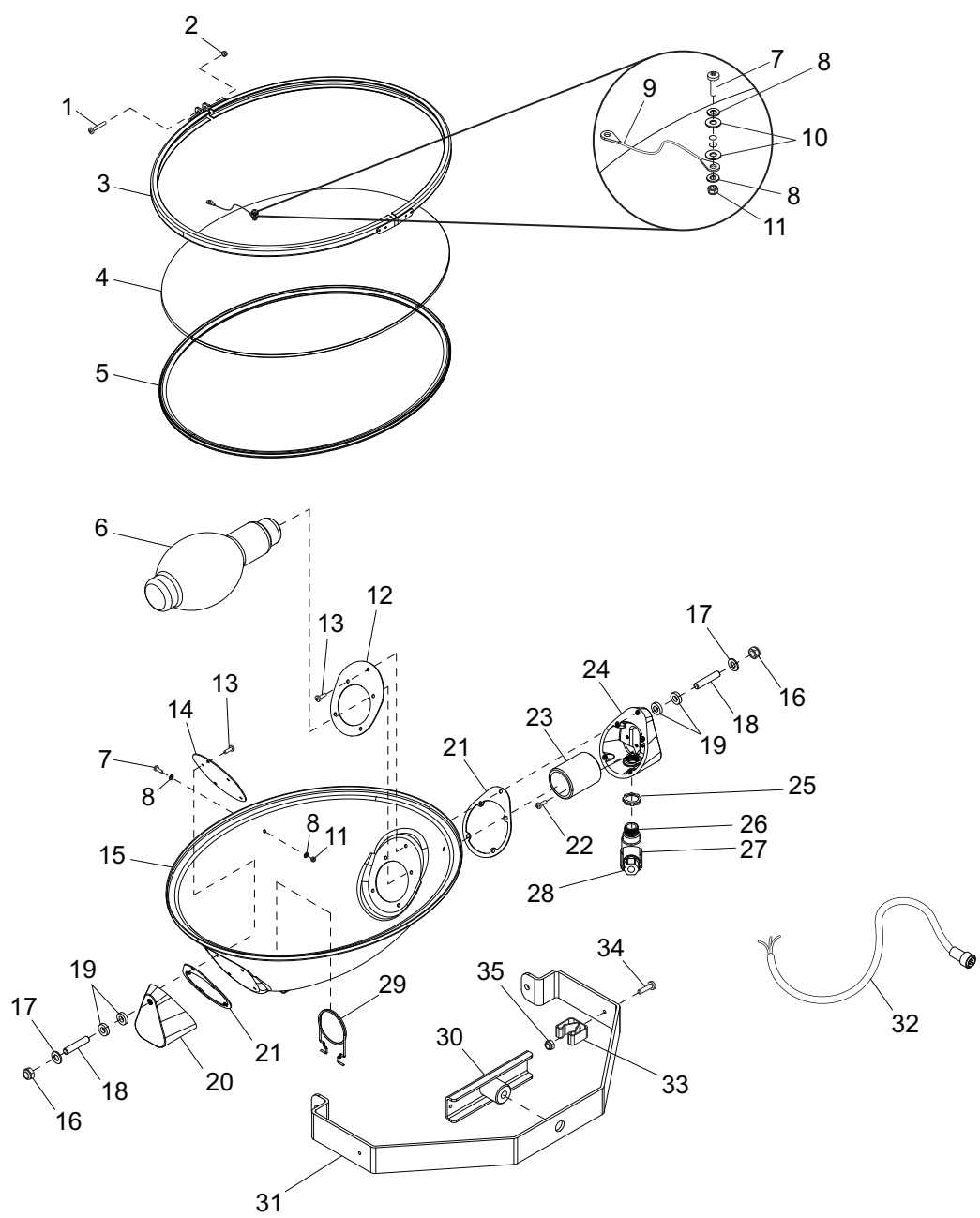
ITEM	PART	QTY	DESCRIPTION	NOTES
1	11954	1	Coil cord, mast	
2	16600	2	Winch, manual	
3	15623	2	Winch handle, 9" long with nut	
4	16143	5	Clamp, tubing .500	
5	15006	1	Cable, .188 in. x 27 ft. w/ball swedge	
6	15380	4	Pin, cotter - .125 x 1.250	
7	14262	2	Sheave, 3 in.	
8	15014	4	Shim, 2 x 3 x .281 GSM	
9	15015	3	Pin, clevis .500 x 1.25	
10	14439	1	Grip, cord	
11	11933B	1	Weldment, mast - 4.00	
12	15003	1	Thimble, cable	
13	15002	2	Clamp, cable - .188	
14	14151	1	Cable - .188" x 11' w/ball swedge	
15	15013	4	Shim, 2 x 2 x .344 GSM	
16	12095B	1	Bracket, junction box	
17	13527B	1	Weldment, mast crossbar	
18	14231	2	Nut, 10-32 hx	
19	60252	2	Washer, split lock #10	
20	60397	2	Screw, 10-32x1.000 pan hd phil	
21	60237	2	Washer, flat SAE #10	
22	15829	1	Reflector, red	
23	16257B	1	Weldment, mast - 2.00	
24	11934B	1	Weldment, mast - 3.00	
25	14798	1	Cable, .188 in. x 16 ft. w/teardrop	
26	60308	1	Nut, nylock .750-10 nylock SS	
27	14234	2	Pin, clevis .500 x 2.00	
28	12876B	1	Weldment, mast tube - EW	
29	60744	2	Washer, .750 flat 1.250/.060 delrin	
30	15292	1	Screw, .750-10 x 6.50 SS	
31	11649Z	1	Weldment, t-bolt	
32	60247	1	Washer, flat .750 SS	
33	60584	1	Nut, nylock .750-10 G5 yellow zinc	
A	13869B	2	Weldment, light storage - R.H. oval lt	Option
B	13870B	2	Weldment, light storage - L.H. oval lt	Option
C	13779B	1	Weldment, mast cross bar 6lt oval	Option
D	13780B	1	Weldment, 6 light bracket	Option
E	15612	1	Cable, 16-7 cold mast drape	Option
-	15701	-	Cable, 16 - 10 SEOW	Option: not shown

ELECTRIC WINCH MAST ASSEMBLY



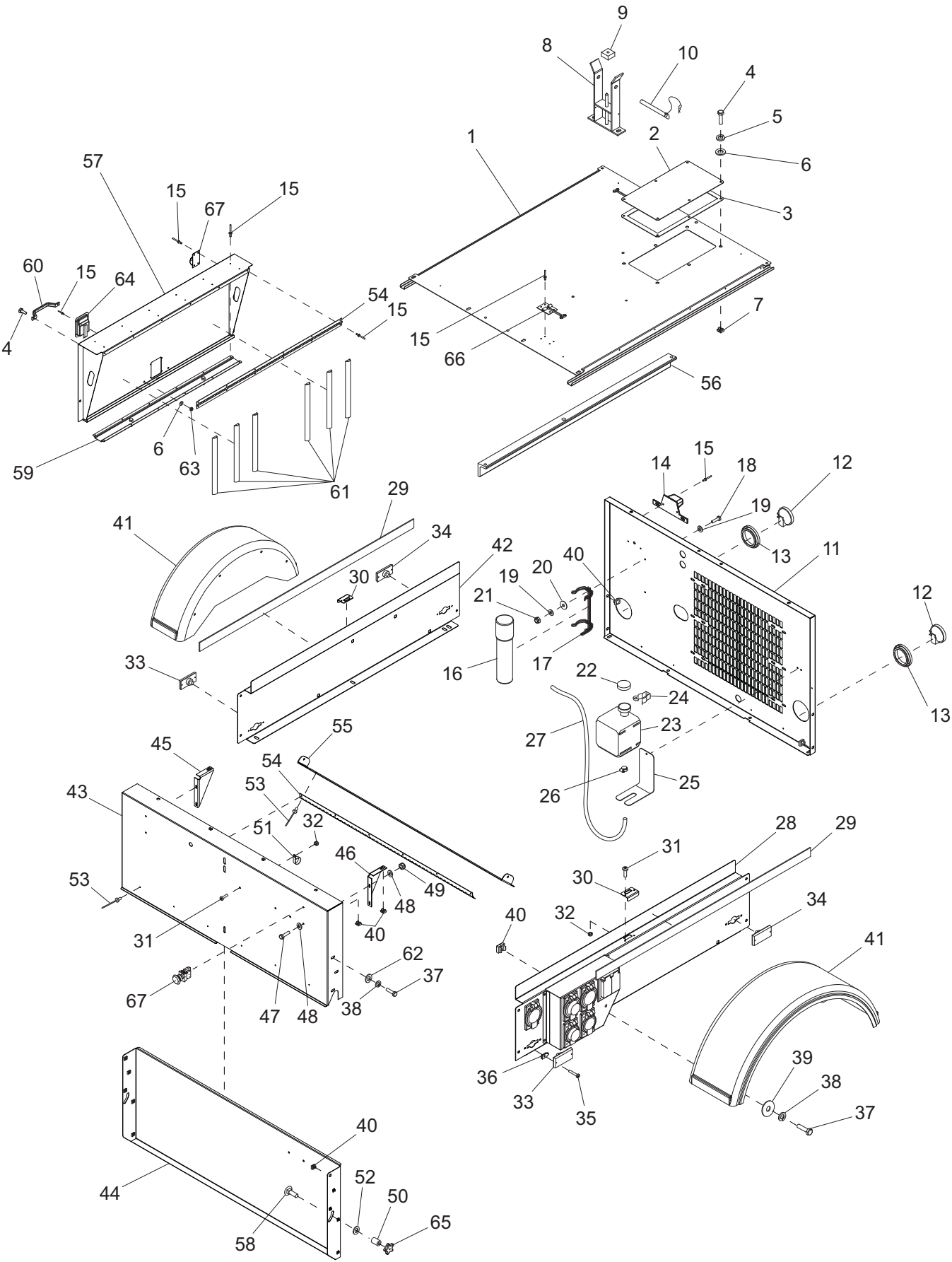
ITEM	PART	QTY	DESCRIPTION	NOTES
1	11954	1	Coil cord, mast	
2	12872B	2	Bracket, winch mounting	
3	65707	2	Switch, toggle - SPDT spring	
4	65049	2	Relay, 12V 30/40A N.O. w/diode	
5	11293	2	Contactor, electric winch - warn	
6	12875B	2	Cover, winch contactor	
7	12292	4	Boot, battery cable red	
8	12874	2	Winch, electric - 770LB hoist	
9	16143	2	Clamp, tubing .500	
10	11967B	1	Tube, electric winch mount	
11	15006	1	Cable, .188 in. x 27 ft. w/ball swedge	
12	15380	5	Pin, cotter - .125x1.250	
13	14262	3	Sheave, 3 in.	
14	15014	4	Shim, 2 x 3 x .281 GSM	
15	15015	3	Pin, clevis .500 x 1.25	
16	13796B	1	Weldment, prox sensor brkt	
17	65511	2	Sensor, proximity	
18	14439	1	Strain relief- .50 NPT, .50 cord	
19	12085B	1	Weldment, 4.00 mast - EW	
20	15002	2	Clamp, cable - .188	
21	15003	1	Thimble, cable - .188	
22	14151	1	Cable - .188" x 11' w/ball swedge	
23	15013	4	Shim, 2 x 2 x .344 GSM	
24	12095B	1	Bracket, junction box	
25	13527B	1	Weldment, mast crossbar	
26	14231	2	Nut, 10-32 hx	
27	60252	2	Washer, split lock #10	
28	60397	2	Screw, 10-32x1.000 pan hd phil	
29	60237	2	Washer, flat SAE #10	
30	15829	1	Reflector, red	
31	16257B	1	Weldment, mast - 2.00	
32	11934B	1	Weldment, mast - 3.00	
33	14798	1	Cable, .188 in. x 16 ft. w/teardrop	
34	60308	1	Nut, nylock .750-10 nylock SS	
35	14234	2	Pin, clevis .500 x 2.00	
36	12876B	1	Weldment, mast tube - EW	
37	60744	2	Washer, .750 flat 1.250/.060 delrin	
38	15292	1	Screw, .750-10 x 6.50 SS	
39	11649Z	1	Weldment, t-bolt	
40	60247	1	Washer, flat .750 SS	
41	60584	1	Nut, nylock .750-10 G5 yellow zinc	
A	13869B	2	Weldment, light storage - R.H. oval lt	Option
B	13870B	2	Weldment, light storage - L.H. oval lt	Option
C	13779B	1	Weldment, mast cross bar 6lt oval	Option
D	13780B	1	Weldment, 6 light bracket	Option
E	15612	1	Cable, 16-7 cold mast drape	Option
-	15701	-	Cable, 16 - 10 SEOW	Option: not shown

OVAL LIGHT ASSEMBLY



ITEM	PART	QTY	DESCRIPTION	NOTES
1	60304	1	Screw, M5 x 25 pan hd phillips	
2	60447	1	Nut, M5 nylock	
3	13367	1	Assembly, aluminum ring	
4	13369	1	Lens, glass oval	
5	13373	1	Gasket, lens oval	
6	11391	1	Bulb, 1000W MH short length	
7	13399	2	Screw, M4 x 18 pan hd phillips	
8	60067	4	Washer, #10 flat .435/.060 SS	
9	13370	1	Assembly, tether	
10	13372	2	Washer, #4 nylon	
11	60051	2	Nut, M4 nylock	
12	13376	1	Bracket, socket end plate	
13	13388	10	Screw, M5 x 12 slotted hex w/flange	
14	13377	1	Bracket, end plate	
15	13366	1	Housing	
16	60307	2	Nut, 500-13 nylok G5 ZC	
17	60309	2	Washer, .500 flat 1.060/.090 ZC SAE	
18	13392	2	Stud, trunnion	
19	13390	4	Washer, nylon	For part number 13392
20	13374	1	Support, housing/trunnion	
21	13378	2	Gasket, silicone	
22	13393	2	Screw, M5 x 12 phillips green	
23	13381	1	Socket, bulb	
24	13375	1	Support, housing/trunnion	
25	15861	1	Nut, special, .500 NPT lock (LN101SC)	
26	13386	1	Fitting, nipple	
27	13387	1	Connector, weather tight	
28	15864	1	Strain relief, .50 NPT watertight .270/.464 ID	
29	13892	1	Support, bulb - oval light	
30	13403	1	Handle, T - oval light (wing nut)	
31	13368	1	Trunnion, oval light	
32	13383	1	Cord, power quick disconnect	
33	19041	1	Clip, spring holder	
34	60398	1	Screw, 10-32x.500 pan phil18-8 ss	
35	60061	1	Nut, 10-32 nylok G5	
--	13601	4	Assy, light fixture/quick disconnect cord clip	

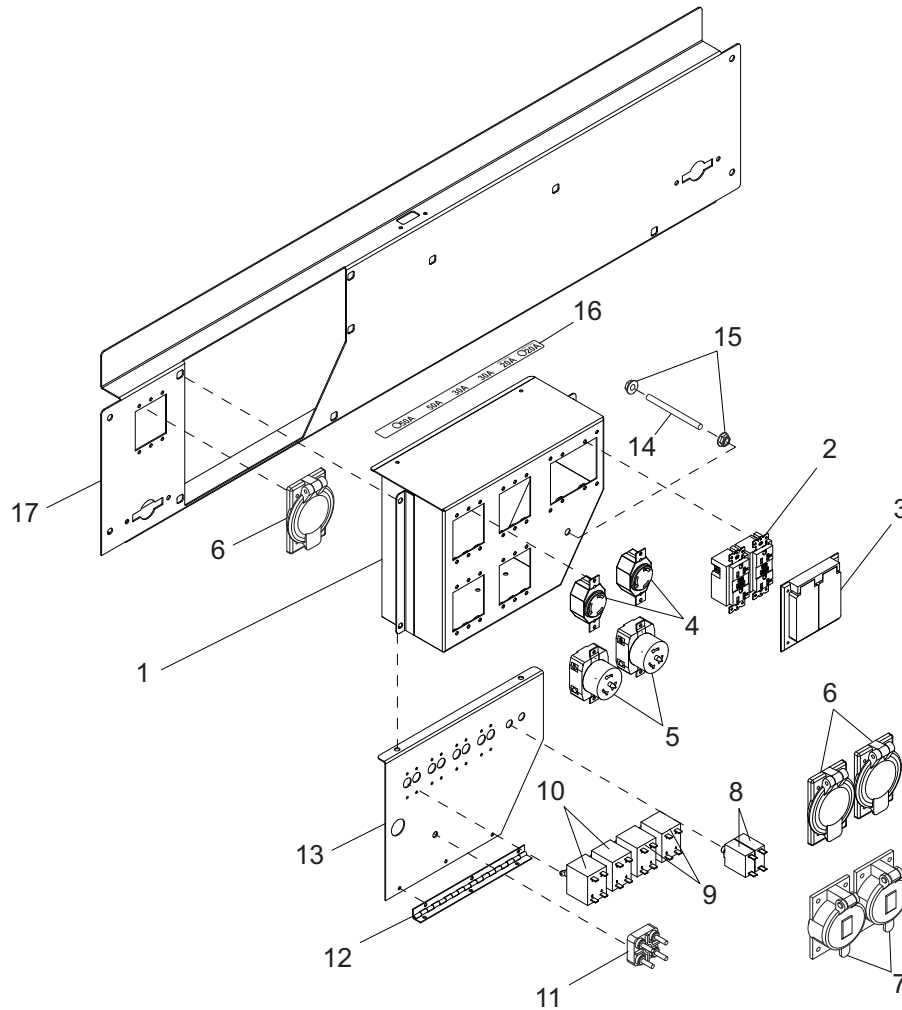
ENCLOSURE ASSEMBLY



ITEM	PART	QTY	DESCRIPTION	NOTES
1	13643W	1	Panel, top - 5000	
2	25333W	1	Panel, back access	
3	12195	1	Gasket, radiator access plate	
4	60507	10	Screw, .312-18x1.000 std hex 18-8 ss	
5	60701	6	Washer, .312 split lock 18-8 ss	
6	60340	10	Washer, .312 flat .875/.040 18-8 ss	
7	15425	6	Nut, .312-18 cage G5	
8	12344ZN	1	Weldment, cradle - common mast	
9	11935	1	Pad, rubber - 2.00 x 2.00 x 1.00	
10	16099	1	Assy, cradle pin	
11	13635W	1	Panel, rear	
12	10220	2	Light, rear tail/turn, round, no grommet	
13	10221	2	Grommet, rear light, rubber 4.5"	
14	10223	1	Assy, license plate light/holder	
15	60423	62	Rivet, .188 dia x .250 to .375 grip SB6-6	
16	11121	1	Tube, black manual holder, 14"	
17	11222	1	Bracket, manual holder	
18	60540	2	Screw, 10-24x.750 pan phil 18-8 ss	
19	60067	4	Washer, #10 flat .435/.060 18-8 ss	
20	60089	2	Washer, .265 fndr 1.250/.060	
21	60457	2	Nut, 10-24 nytk G5	
22	19714	1	Cap, overflow bottle	
23	20287	1	Jug, overflow 2 qt (.5 gal)	
24	19726	1	Clamp, overflow bottle	
25	22419B	1	Bracket, overflow jug .5 gal-black	
26	60777	1	Clamp, hose - .312 crimp style	
27	50018	3 ft.	Hose - .312 ID 50 PSI	
28	Page 17	1	Assembly, side panel/receptacle box	See pg. 17-19 for options
29	50197	97.5"	Weatherstripping - .06 x 1.00	2 pieces cut to 48.75" each
30	13291	2	Plate, striker	
31	60398	5	Screw, 10-32x.500 pan phil18-8 ss	
32	60061	5	Nut, 10-32 nytk G5	
33	65660	2	Lens, red - light, clearance marker	
34	65663	2	Lens, amber - light, clearance marker	
35	60694	8	Screw, 8-32x.750 pan phil 18-8 ss	
36	60730	8	Nut, 8-32 uclip G5	
37	60690	14	Screw, .375-16x1.000 std hex 18-8 ss	
38	60703	14	Washer, .375 split lock 18-8 ss	
39	60729	8	Washer, .375 fndr 1.500/.090	
40	60656	24	Nut, .375-16 cage G5 for 14 ga	
41	11381	2	Fender, plastic - single wall black 14" tire	
42	13637W	1	Panel, side - rh	
43	13651W	1	Panel, front - 5000 upper	
44	13652W	1	Panel, front - 5000 lower	
45	13706B	1	Bracket, front support - rh	
46	13705B	1	Bracket, front support - lh	
47	60684	4	Screw, .250-20x.875 std hex 18-8 ss	
48	60696	8	Washer, .250 flat .625/.050 18-8 ss	
49	60144	4	Nut, .250-20 nytk G5	
50	41235B	2	Spacer - .75 OD x .375 ID x 1.00 long	
51	16143	1	Clamp, tubing - .500	
52	60452	2	Washer, .313 flat 1.125/1.000 18-8	
53	60268	12	Rivet, .188 dia x .126 to .250 grip	
54	16598	3	Hinge, door - .188 pin, 48.5 long	
55	13708W	1	Panel, air inlet	
56	13704B	1	Angle, roof support	
57	13295W	2	Door weldment	

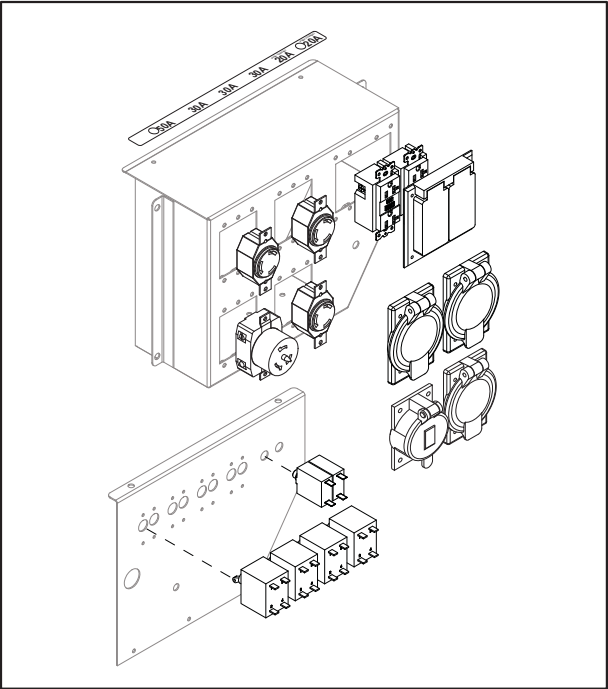
ITEM	PART	QTY	DESCRIPTION	NOTES
58	62038	2	Screw, .312-18x2.00 carr sqr G5	
59	13297B	2	Light storage channel weldment	
60	26288	2	Handle, door access - black	
61	50354	216"	Seal, rubber - bubble type (.750)	12 pieces cut to 18" each
62	60698	6	Washer, .375 flat .875/.040 18-8 ss	
63	60303	4	Nut, .312-18 nylk G5	
64	15123	2	Latch, paddle, with 7lb spring	
65	62028	2	Knob, plastic, .312-18 female thru hole	
66	12605	2	Door latch SS - T style	
67	22550	1	Switch, e-stop	

AUXILIARY OUTLET PANEL ASSEMBLY

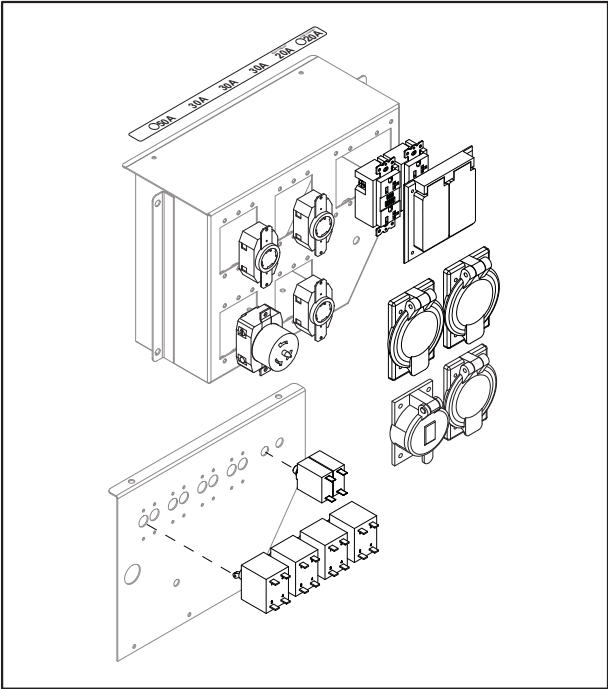


ITEM	PART	QTY	DESCRIPTION	NOTES
1	10783W	1	Weldment, receptacle box	
2	14130	2	Receptacle, 120V/20A GFI (5-20R)	
3	15849	1	Cover, receptacle - 20A GFCI dual	
4	14137	2	Receptacle, 240V/30A twist (L6-30R)	
5	18089	2	Receptacle, 240V/50A twist lock	
6	65460	3	Cover, receptacle - 20/30A twist lock	
7	65467	2	Cover, receptacle - 50A twist (deep)	
8	65849	2	Breaker, 20A, 120V, 1-pole, push	
9	66097	2	Breaker, 30A, 250V, 2 pole, screw	
10	65492	2	Breaker, 50A, 250V, 2 pole, screw	
11	65519	1	Block, terminal - 4 pole stud type	
12	10784	1	Hinge, piano - 9.00	
13	10771W	1	Panel, outlet	
14	18992	1	Stud, ground	
15	60020	2	Nut, M8-1.25 sflg G8.8 ZC lock	
16	10792	1	Decal, outlet breakers 50,50,30,30,20,20	
17	10776W	1	Panel, side - LH w/recep opening	
--	10393	1	Receptacle panel (2x5-20R, 2xL6-30R)	Items 1-17

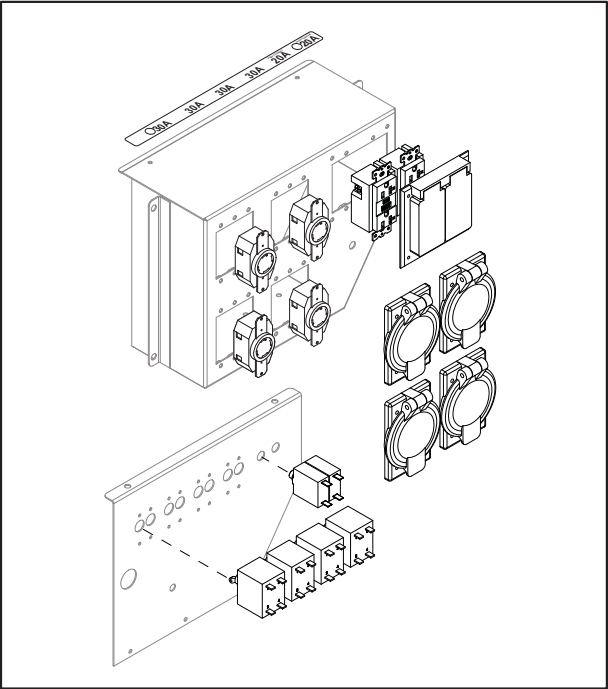
AUXILIARY OUTLET PANEL OPTIONS



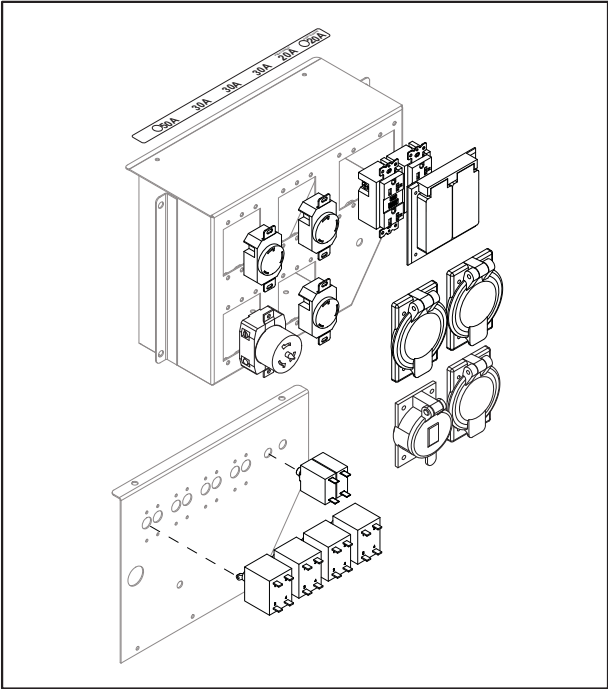
PART NUMBER 10394
Receptacle Panel (2x5-20R, 3xL6-30R, 1x50A)



PART NUMBER 10395
Receptacle Panel (2x5-20R, 3xL14-30R, 1x50A)

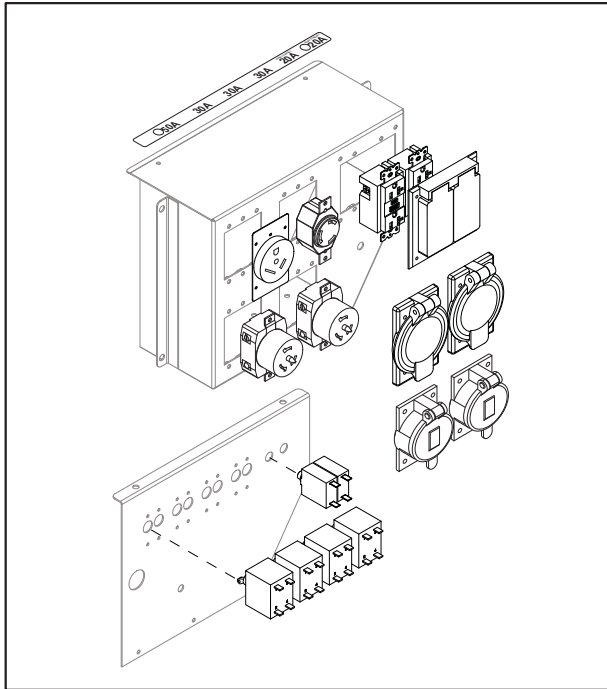


PART NUMBER 10396
Receptacle Panel (2x5-20R, 4xL14-30R)

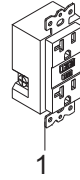


PART NUMBER 10397
Receptacle Panel (2x5-20R, 3xL6-20R, 1x50A)

AUXILIARY OUTLET PANEL OPTIONS, CONTINUED



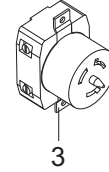
PART NUMBER 13540
 Receptacle Panel
 (2x5-20R, 1xTT-30R, 1xL6-30R, 2x50A)



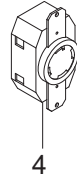
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2



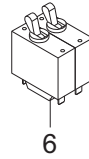
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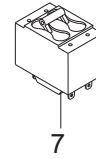
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5



6



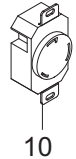
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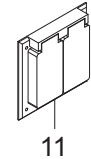
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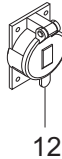
9



10



11

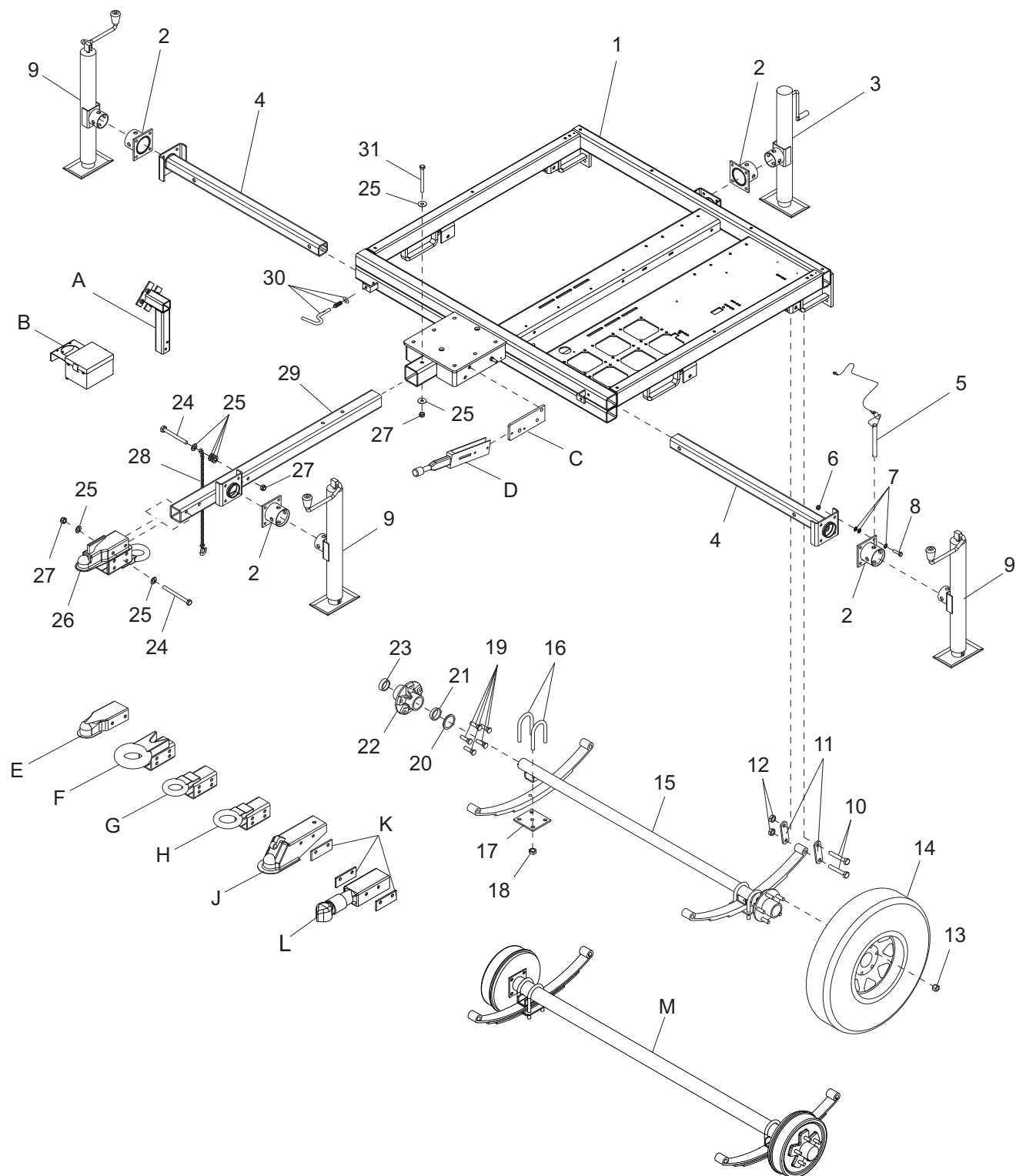


12

○50A	30A	30A	30A	20A	○20A	13
○30A	30A	30A	30A	20A	○20A	14
○50A	20A	20A	20A	20A	○20A	15
○50A	50A	30A	30A	20A	○20A	16

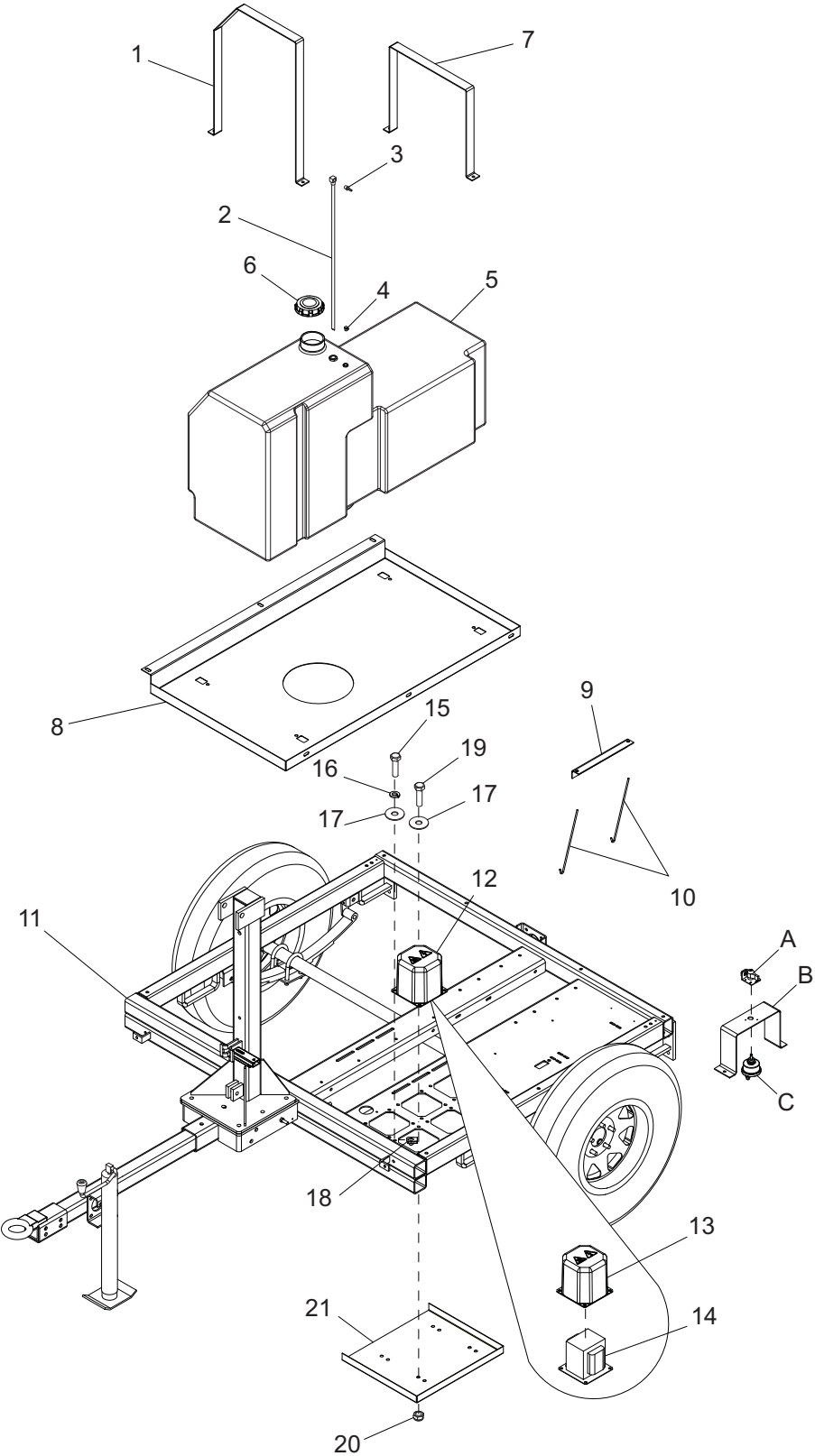
ITEM	PART	QTY	DESCRIPTION	NOTES
1	14130	2	Receptacle, 120V/20A GFI (5-20R)	
2	14137	-	Receptacle, 240V/30A twist (L6-30R)	
3	18089	-	Receptacle, 240V/50A twist lock	
4	65488	-	Receptacle, 240V/30A twist (L14-30R)	
5	65849	2	Breaker, 20A, 120V, 1-pole, push	
6	66097	-	Breaker, 30A, 250V, 2 pole, (JA) screw	
7	65492	-	Breaker, 50A, 250V, 2 pole, (JA) screw	
8	65489	-	Receptacle, 120V/30A (TT-30R)(RV)	
9	65460	-	Cover, receptacle 20/30A twist lock	
10	15933	-	Receptacle, 240V/20A twist (L6-20R)	
11	15849	-	Cover, receptacle - 20A GFCI dual	
12	65467	-	Cover, receptacle - 50A twist (deep)	
13	17638	1	Decal, aux breakers - 50,30,30,30,20,20	
14	17639	1	Decal, aux breakers - 30,30,30,30,20,20	
15	17640	1	Decal, aux breakers - 50,20,20,20,20,20	
16	10792	1	Decal, aux breakers - 50,50,30,30,20,20	

FRAME ASSEMBLY



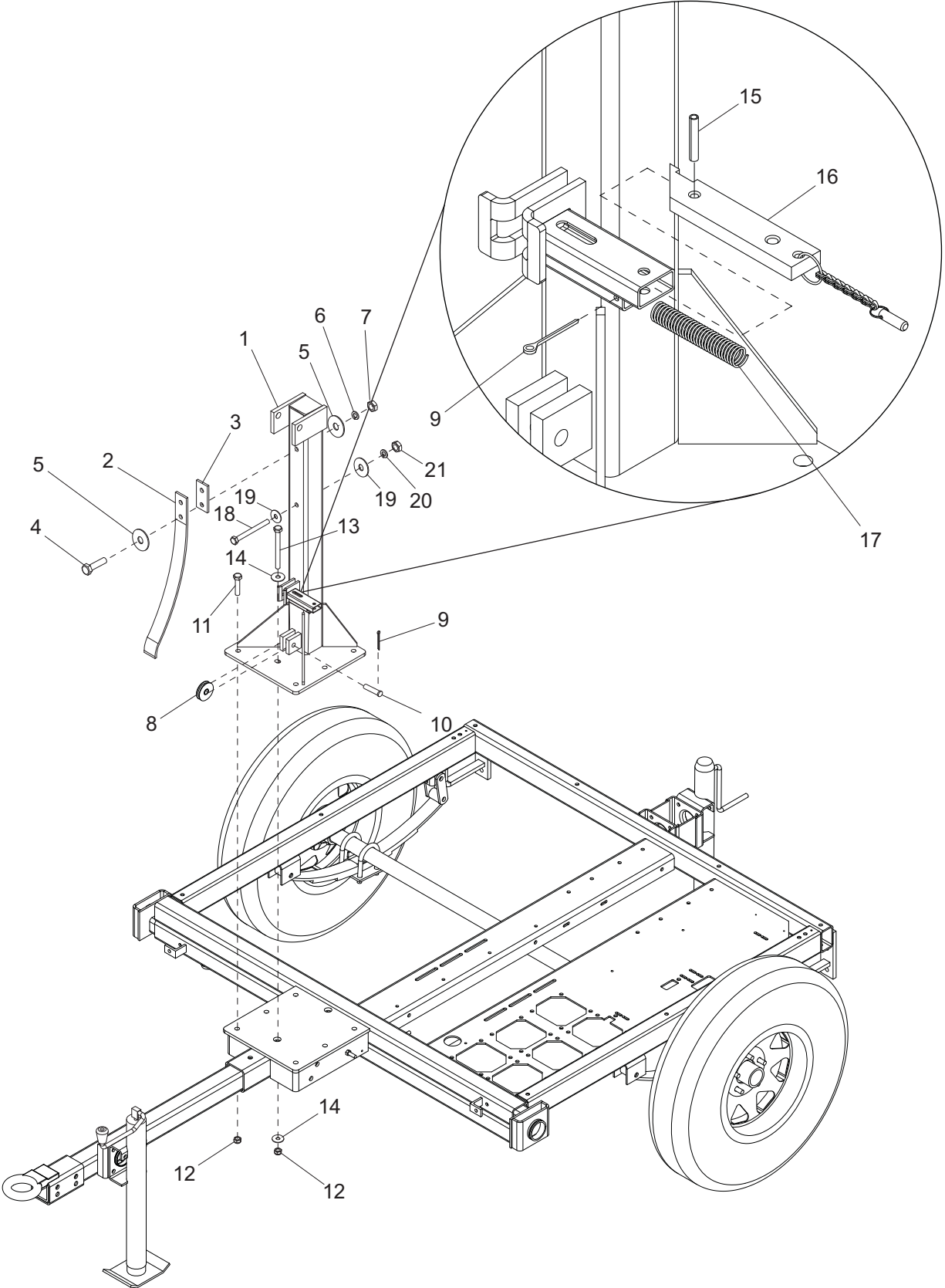
ITEM	PART	QTY	DESCRIPTION	NOTES
1	13688B	1	Weldment, chassis - open	
2	11965Z	4	Weldment, jack adapter	
3	13050	1	Jack assy, 2000# side wind - tube mount	
4	12408Z	2	Weldment, outrigger	
5	23256	4	Pin, jack - 2000# tube mount	
6	60358	16	Nut, .375-16 nyk G5	
7	60698	48	Washer, .375 flat .875/.040 18-8 SS	
8	60831	16	Screw, .375-16x1.500 std hex 18-8 ss	
9	13051	3	Jack assy, 3000# top wind - tube mount	
10	60503	6	Screw, shackle, .562-18x3" std hex	
11	19637	4	Plate, shackle bracket	
12	60504	6	Nut, .562-18 lhex G5	
13	60096	10	Nut, .500-20 lug G5 (included w/axle)	
14	15540	2	Wheel, ST205/75R15, 1820# - 6 PR	
15	12207	1	Axle- 3500LB 56SC 68.5TC	
16	11277	4	U-bolt 3500LB MLT	
17	11278	2	Tie plate 3500LB MLT	
18	11279	8	Axle nut (U-bolt) 3500LB MLT	
19	60674	10	Stud, wheel - .500-20 GR8	
20	11199	2	Bearing seal - 3500LB	
21	40954	2	Inner bearing	
22	11276	2	Hub w/races 3500LB MLT	
23	11511	2	Roller bearing - (L44649)	
24	50215	4	Screw, .500-13x4.000 std hex G5	
25	60416	14	Washer, .500 flat 1.375/.090	
26	16741B	1	Combo hitch - 2.50 tongue removable	
27	60307	5	Nut, .500-13 nyk G5	
28	23367	2	Chain, safety - 7,800 lbs rated	
29	12420B	1	Weldment, removable tongue - shipping	
30	14324	1	Kit, plunger	
31	60659	1	Screw, .500-13x5.000 std hex G5	
A	10734B	1	Weldment, spare tire holder - black	Option
B	19417	1	Breakaway kit	Option
C	12217B	1	Bracket, brake lever mounting	Option
D	15580	1	Park brake kit	Option
E	16830	1	Coupler, 2.00 ball/2.50 channel	Option
F	11672B	1	Hitch - 3.00x1.625 ring/2.50 tube	Option
G	16835B	1	Lunette ring-3.00IDx1 ring/2.5 tongue	Option
H	16999B	1	Lunette ring-2.50IDx1 ring/2.5 tongue	Option
J	12229	1	Coupler, 2.31 ball/3.00 channel	Option
K	12155B	3	Spacer, coupler - black	Option
L	13003B	1	Coupler, 2.00 ball/3.00 channel	Option
M	12122	1	Axle, 3500 lb 56SC 68.5TC elec brake	Option

COMPONENTS TO FRAME ASSEMBLY



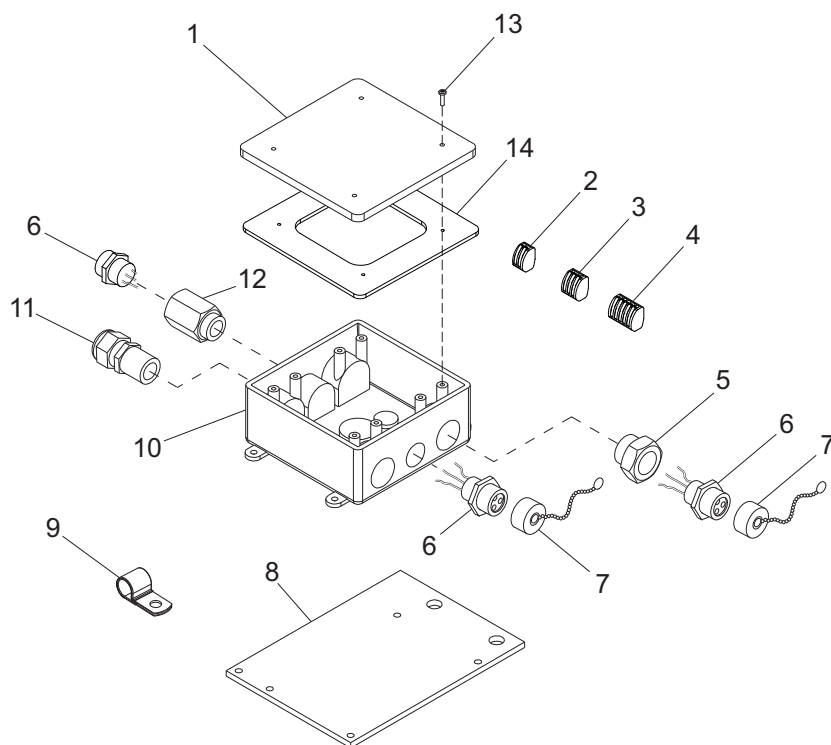
ITEM	PART	QTY	DESCRIPTION	NOTES
1	13697B	1	Strap, fuel tank	
2	12259	1	fuel pick up tube - 24.00"	
3	15142	1	Fitting, strt-.250NPTx.312barb	
4	16271	1	Fitting, 90-.250NPTx.188barb	
5	12162	1	Tank, fuel - 56 gallon poly	
6	12137	1	Cap, fuel tank-vent 3.5dia grn w/lanyard	
-	12080	1	Cap, fuel tank vented-3.5dia grn	
7	13698B	1	Strap, fuel tank	
8	10490B	1	Pan, fuel tank support	
9	12924B	1	Angle, battery hold down - black	
10	60820	2	Bolt, J - .250-20 x 9.00	
11	Page 20	1	Assembly, frame	
12	13301	4	Assy, transformer-can and base - 60HZ	
13	13300	4	Can, transformer - ballast box	
14	13299	4	Transf. & base brkt w/ str relief-60HZ	
15	60028	14	Screw, .312-18x1.000 std hex G5	
16	60271	14	Washer, .312 split lock	
17	60243	17	Washer, .250 flat .735/.060	
18	60505	14	Nut, .312-18 u-clip long type spring steel	
19	60825	3	Screw, .312-18x3.000 std hex G5	
20	60303	3	Nut, .312-18 nylnk grade 2 ZC	
21	13768B	1	Cover, ballast wire	

MAST POST ASSEMBLY



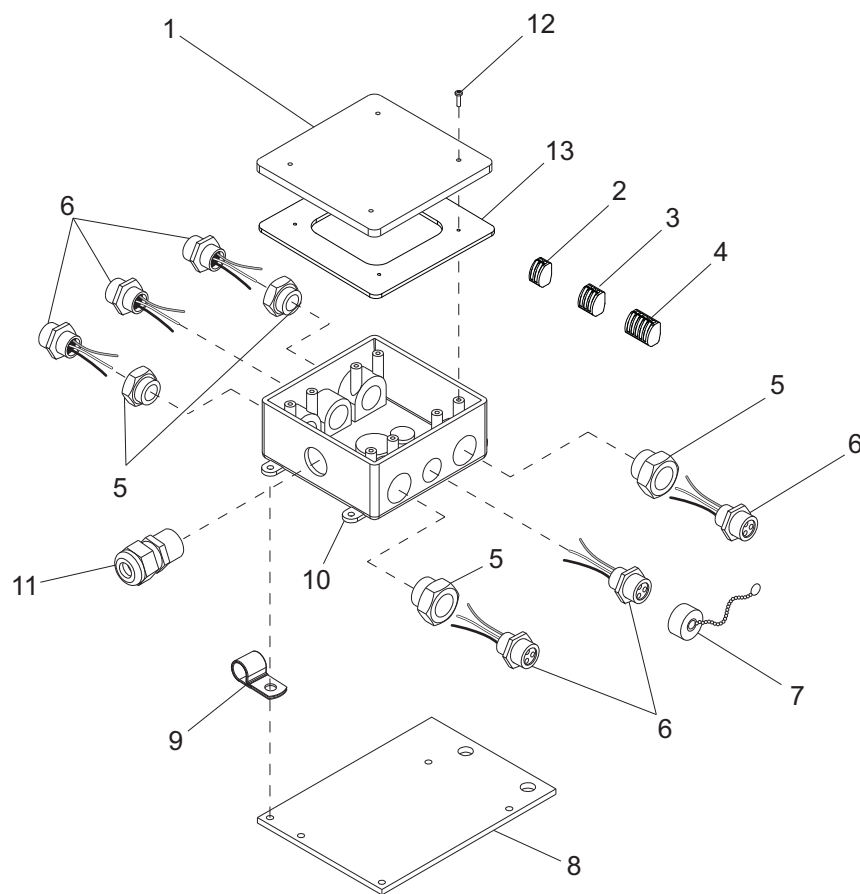
ITEM	PART	QTY	DESCRIPTION	NOTES
1	13700B	1	Weldment, mast post	
2	14845B	1	Spring, kickback - 50lb, black	
3	11554Z	1	Spacer plate - kick-back spring	
4	60732	2	Screw, .500-13x5.500 std hex 18-8 ss	
5	60699	4	Washer, .500 flat 1.070/.080 18-8 ss	
6	60702	2	Washer, .500 split lock 18-8 ss	
7	14429	2	Switch, toggle	
8	14261	1	Steel tube sq 1.500 x 16 ga wall	
9	15380	2	Pin, cotter - .125x1.250	
10	15015	1	Pin, clevis- .500 dia x 1.25	
11	60683	6	Screw, .500-13x1.500 std hex 18-8 ss	
12	60307	8	Nut, .500-13 nylok G5	
13	60659	2	Screw, .500-13x5.000 std hex G5	
14	60416	4	Washer, .500 flat 1.375/.090	
15	15165	1	Pin, roll - .250x1.250 plain	
16	11215	1	Assy, latch bar	
17	14275	1	Spring, compression - .60odx2.75X.054	
18	60401	1	Screw, .375-16x4.000 std hex G5	
19	60698	2	Washer, .375 flat .875/.040 18-8 ss	
20	60703	1	Washer, .375 split lock 18-8 ss	
21	60140	1	Nut, .375-16 hex G5	

MAST JUNCTION BOX ASSEMBLY



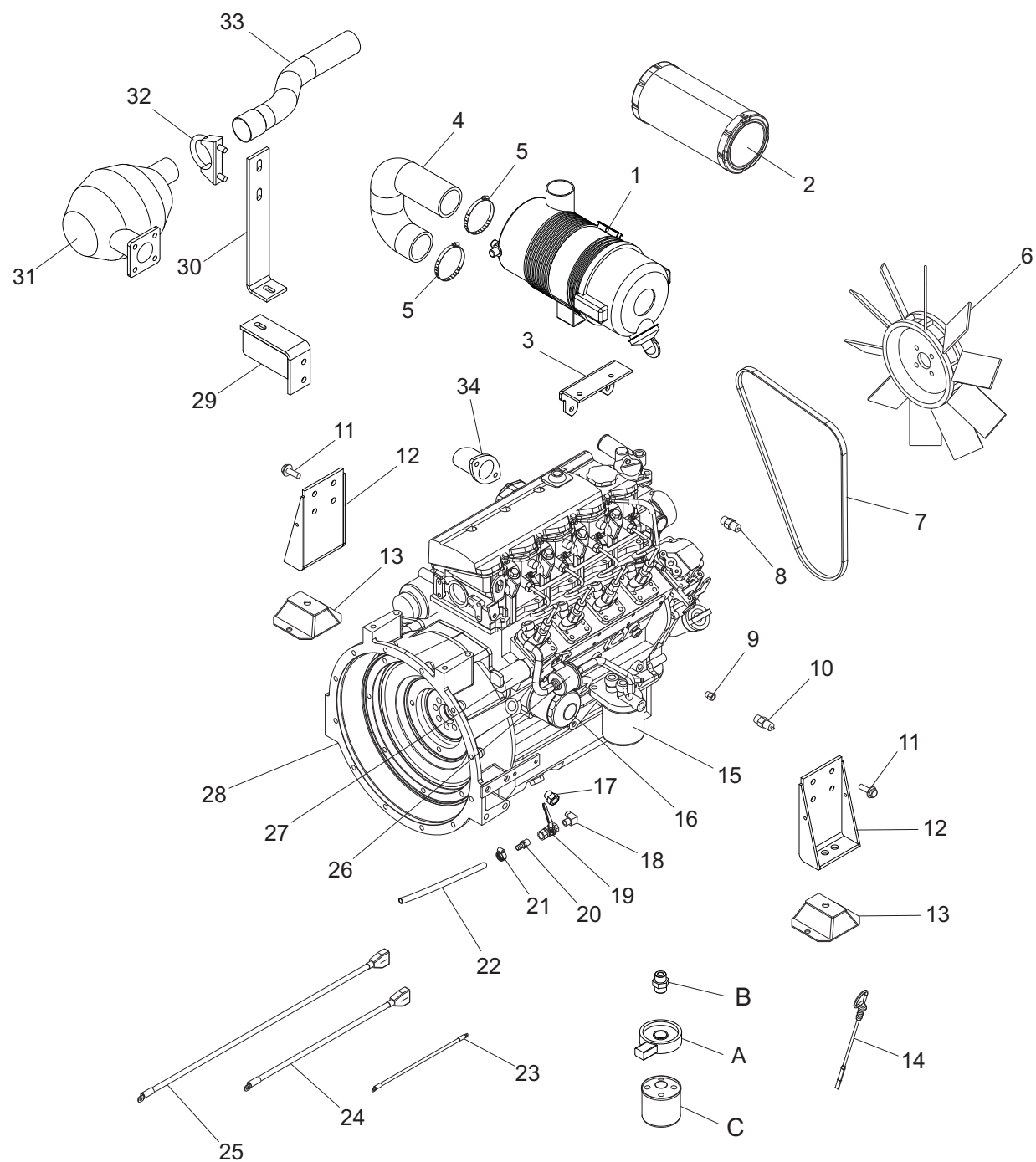
ITEM	PART	QTY	DESCRIPTION	NOTES
1	12109	1	Box cover, 2-gang plastic	
2	66100	4	Connector, 2 pos. Wago	
3	66101	2	Connector, 3 pos. Wago	
4	66102	1	Connector, 5 pos. Wago	
5	60755	2	Fitting, .750MNPT x .500FNPT nylon	
6	15403	4	Connector, quick disconnect (female)	
7	15404	4	Cap, receptacle w/chain	
8	12095B	1	Bracket, junction box	
9	16143	1	Clamp, tubing .500	
10	12094	1	Box, junction	
11	14656	1	Strain relief, .750NPT water tight	
12	12713	1	Fitting, adapter-1/2"-14 m to 1/2"-14 f	
13	60424	4	Screw, 6-32x.750 pan phil G2 ZC	
14	13749	1	Gasket, junction box - HFI 281000	
-	11957	-	Assembly, mast junction box	

MAST JUNCTION BOX ASSEMBLY - 6 LIGHT



ITEM	PART	QTY	DESCRIPTION	NOTES
1	12109	1	Box cover, 2-gang plastic	
2	66100	6	Connector, 2 pos. Wago	
3	66101	4	Connector, 3 pos. Wago	
4	66102	2	Connector, 5 pos. Wago	
5	60755	4	Fitting, .750MNPT x .500FNPT nylon	
6	15403	6	Connector, quick disconnect (female)	
7	15404	6	Cap, receptacle w/chain	
8	12095B	1	Bracket, junction box	
9	16143	1	Clamp, tubing .500	
10	12094	1	Box, junction	
11	14656	1	Strain relief, .750NPT water tight	
12	60424	4	Screw, 6-32x.750 pan phil G2 ZC	
13	13749	1	Gasket, junction box - HFI 281000	
-	12649	-	Assembly, mast junction box	

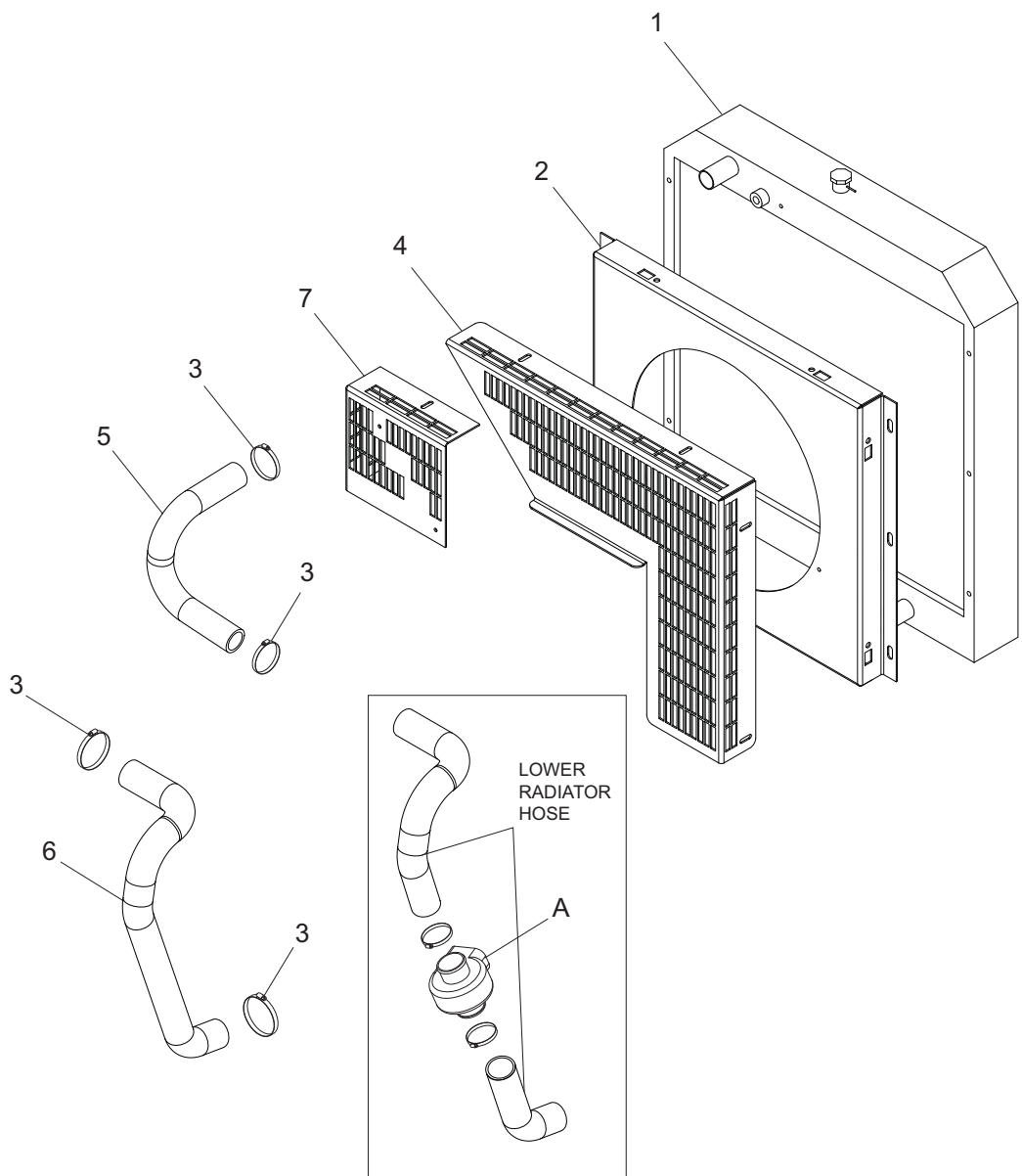
ENGINE ASSEMBLY



ITEM	PART	QTY	DESCRIPTION	NOTES
1	12969	1	Filter, air - metallic	
2	12973	1	Element, air filter	
3	42000B	1	Bracket, air filter	
4	13657	1	Hose, air filter	
5	60316	2	Clamp, hose - SAE 32	
6	19258	1	Fan, 15.75 in.	
7	22258	1	Belt, fan	
8	17718	1	Switch, water temp Isuzu	
9	19232	1	Fitting, .125NPTF X .125-28 BSP male	
10	15369	1	Switch, oil pressure	
11	60018	14	Screw, M10X1.25X20 hx ser flg	
12	11471B	2	Weldment, engine mount	
13	12450	2	Compression mount	
14	23899	1	Dipstick, oil, Isuzu	
15	15331	1	Fuel filter element	
16	15183	1	Filter, oil - Isuzu	
17	62030	1	Fitting, strt-.375fnpt x M20 X 1.50 o-ring	
18	23069	1	Fitting, 90-.375mnpt brs	
19	19280	1	Valve, ball .375fnpt	
20	25931	1	Fitting, strt-.375npt x .625barb	
21	60365	1	Clamp, hose - SAE 010 (.56-1.06)	
22	50201	4 ft.	Hose, coolant - .625 I.D.	
23	16155	1	Assy, wire - eng/chassis ground	
24	15073	1	Cable, battery - 4 AWG X 25 in. blk	
25	15074	1	Cable, battery - 4 AWG X 36 in. red	
26	16205	1	Pump, fuel - Isuzu	
27	15372	1	Solenoid, fuel shutdown	
28	10896	1	Engine, Isuzu 4LE1NYGV-03	
29	13833B	1	Bracket, exhaust support	
30	13831B	1	Weldment, exhaust support	
31	10795	1	Muffler, Isuzu 4LE1	
32	18823	2	Clamp, 2.0" muffler	
33	13828	1	Pipe, exhaust	
34	13762	1	Air inlet pipe - strt	
--	26049	1	Alternator, Isuzu	Not shown
A	13682	1	Heater, fuel filter	Option: heated fuel filter
B	13683	1	Adapter, heater element	Option: heated fuel filter
C	13515	1	Fuel filter element	Option: heated fuel filter
--	13684	1	Harness, fuel filter heater - inside	Not Shown
--	10662	1	Harness, fuel filter heater - outside	Not Shown

Note: Engine and generator parts used in all Magnum Products LLC equipment carry the Original Equipment Manufacturer (OEM) warranty unless otherwise stated. OEM warranty parts must be purchased through an OEM dealer. Please contact Magnum Products LLC with questions.

COOLING SYSTEM ASSEMBLY

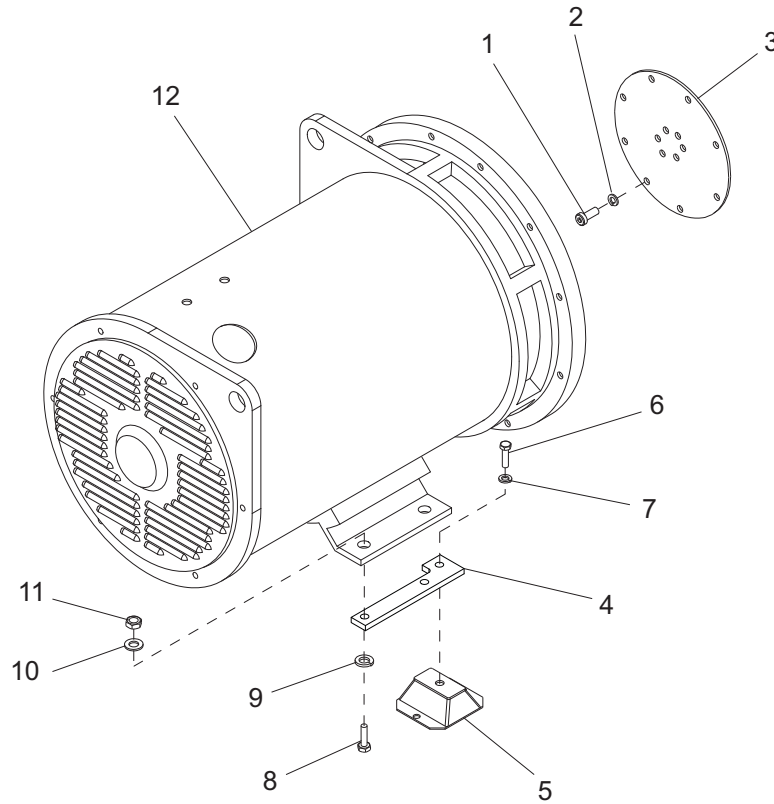


ITEM	PART	QTY	DESCRIPTION
1	13660	1	Radiator, 20kW wide
2	10423B	1	Fan shroud
3	15422	4	Clamp, hose SAE 20
4	13778B	1	Fan guard
5	12064	1	Hose, radiator upper
6	12356	1	Hose, radiator lower
7	10827B	1	Guard, fan - muffler side
A	65650	1	Heater, engine - 1.5"

NOTES

Option: lower radiator hose heater

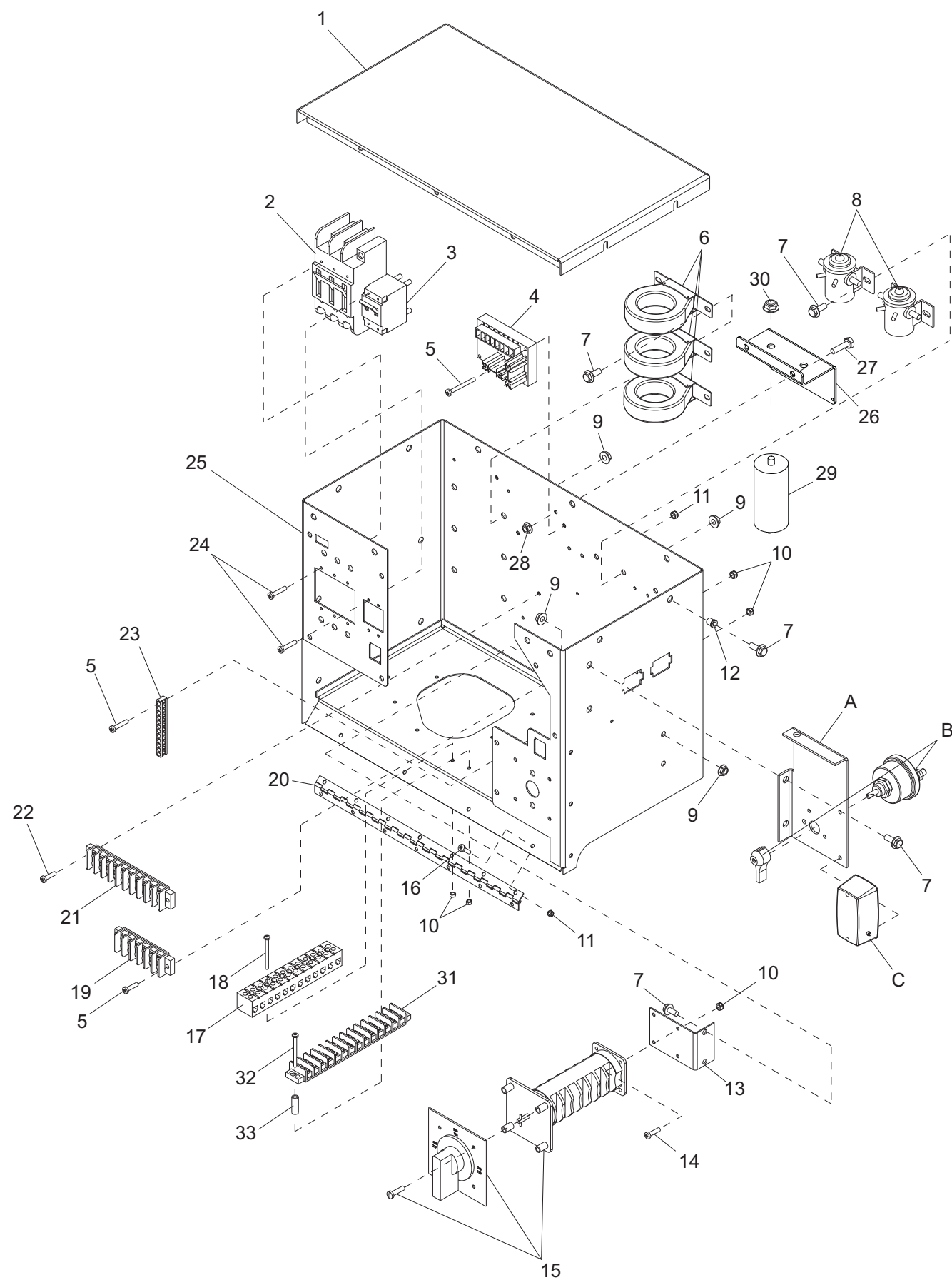
GENERATOR ASSEMBLY



ITEM	PART	QTY	DESCRIPTION	NOTES
1	60410	8	Screw, M8-1.25X16 hx hd G8.8	
2	60029	8	Washer, M8 split lock	
3	11000	1	Plate, drive - SAE 7.5	
4	11975B	2	Plate, gen adapter	
5	12450	2	Compression mount, engine	
6	60275	2	Screw, .500-13X1.000 hx hd G5	
7	60702	2	Washer, .500 split lock SS	
8	61092	4	Screw, .500-13X1.250 hx hd G8	
9	61095	4	Washer, .500 split lock ZB	
10	61096	4	Washer, .500 flat 1.375/.110 hard	
11	61093	4	Nut, .500-13 hx G8 ZB	
12	22899	1	Generator, 282NSL1505	

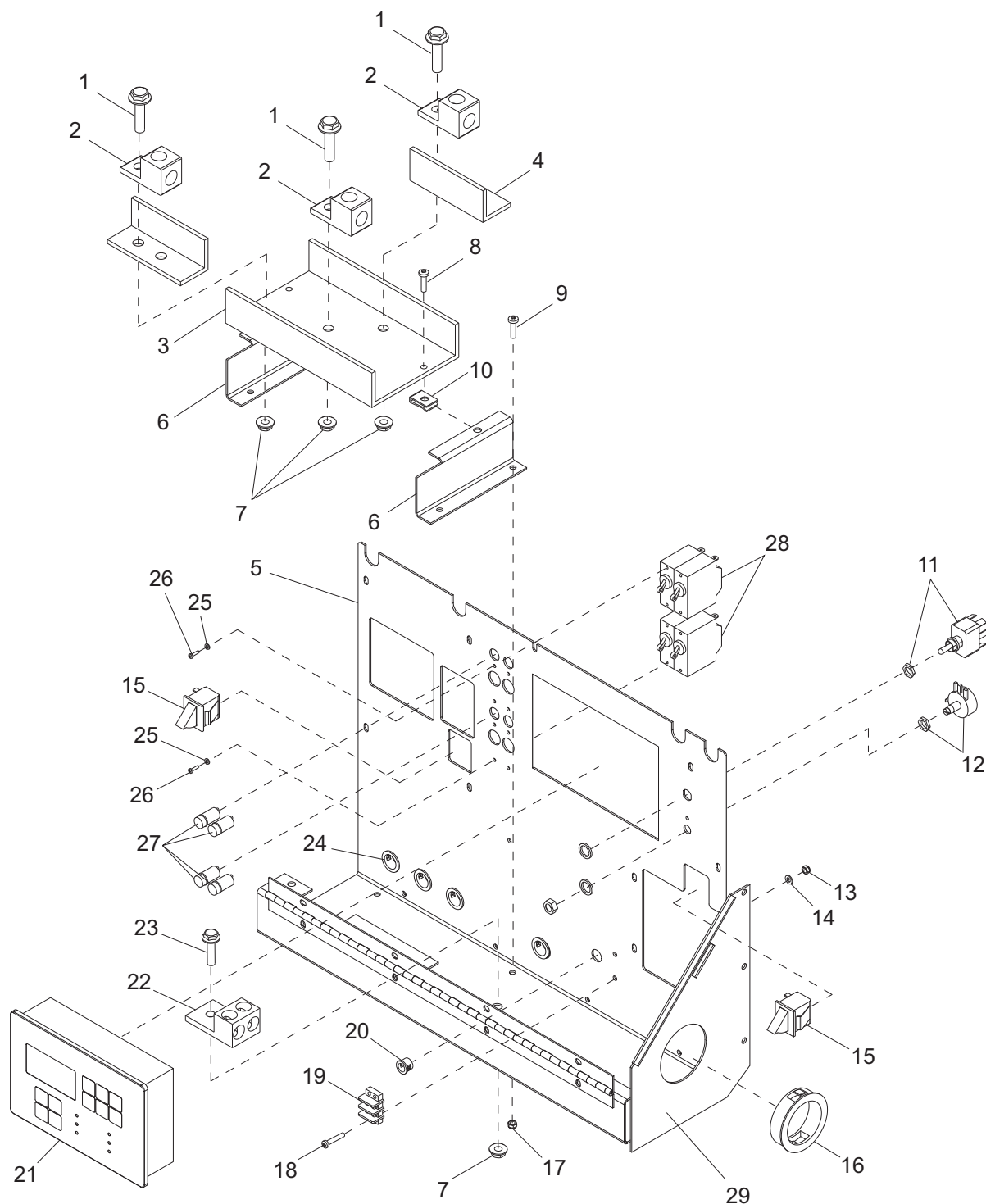
Note: Engine and generator parts used in all Magnum Products LLC equipment carry the Original Equipment Manufacturer (OEM) warranty unless otherwise stated. OEM warranty parts must be purchased through an OEM dealer. Please contact Magnum Products LLC with questions.

CONTROL BOX ASSEMBLY



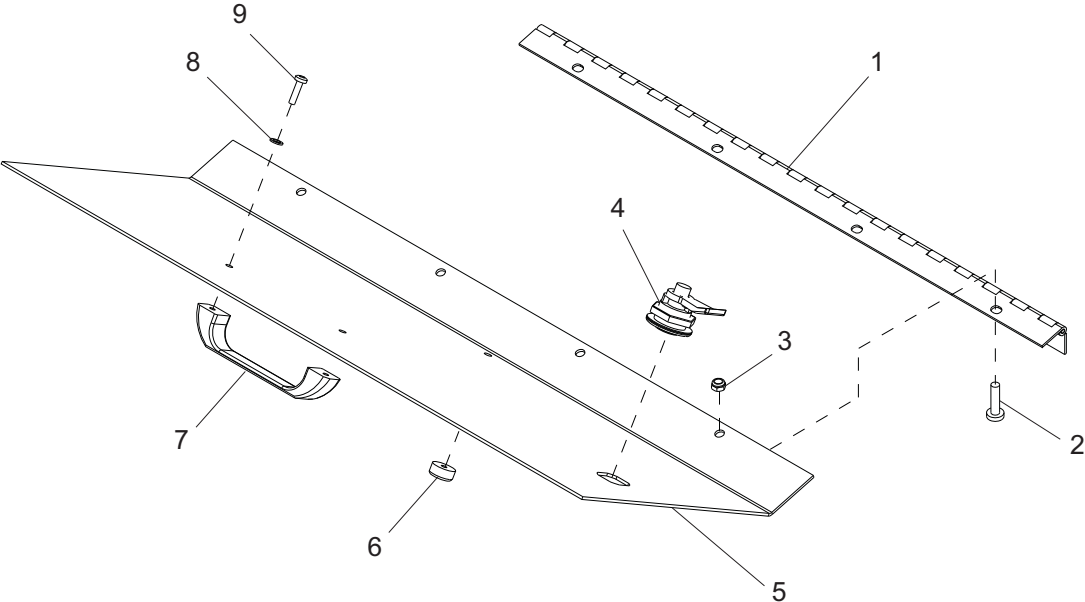
ITEM	PART	QTY	DESCRIPTION	NOTES
1	12694W	1	Panel, top control box	
2	65619	1	Breaker, 90A, 3 pole	
3	65429	1	Breaker, 100A, 250V, 2 pole	
4	18556	1	Regulator, voltage - SE 350	
5	60355	6	Screw, M4X35 pan head phil	
6	65442	3	Transformer, current - 200:5A	
7	60115	25	Screw, M6X1.0X12 hx ser flg	
8	18081	2	Relay, ignition solenoid (12V-65 A)	
9	60036	14	Nut, M6 hx ser flg lock	
10	60051	11	Nut, M4 hx nylock	
11	60061	6	Nut, 10-32 hx nylock	
12	60023	11	Insert, threaded M6	
13	11764B	1	Bracket, phase switch	
14	60091	4	Screw, M4X12 pan hd phil	
15	65456	1	Switch, phase - 63A, 3-pos Y,y,Z)	
16	60044	4	Screw, M5X0.8X12 pan hd phil	
17	65590	1	Block, terminal - 12 pos. lug type	
18	60045	3	Screw, M4X35 pan hd phil	
19	65481	1	Block, terminal - 6 pos.	
20	18598	1	Hinge, controller panel - 18.75	
21	14203	1	Block, terminal 10 pos.	
22	60062	2	Screw, 10-32X.750 pan hd phil	
23	14204	1	Kit, ground bar	
24	60190	10	Screw, 6-32X.312 pan hd phil	
25	13137W	1	Weldment, control box	
26	13343B	1	Bracket, dual cap mount	
27	60168	2	Screw, .312-18X.750 hx hd G5	
28	60095	2	Nut, .312-18 ser flg G5 case hard	
29	65959	2	Capacitor, dual 24 μ F sealed stud	
30	60098	2	Nut, .500-13 ser flg G5	
31	66013	1	Terminal block - 14 pos.	
32	60159	2	Screw, M4-0.70X45 pan phil	
33	24925B	2	Spacer, .50 OD .344 ID 1.00 long	
A	12021B	1	Bracket, control box roof	Option: batt. disconnect/light
B	65498	1	Switch, disconnect	Option: battery disconnect
C	11947	1	Light, interior with switch	Option: interior light

CONTROL PANEL ASSEMBLY



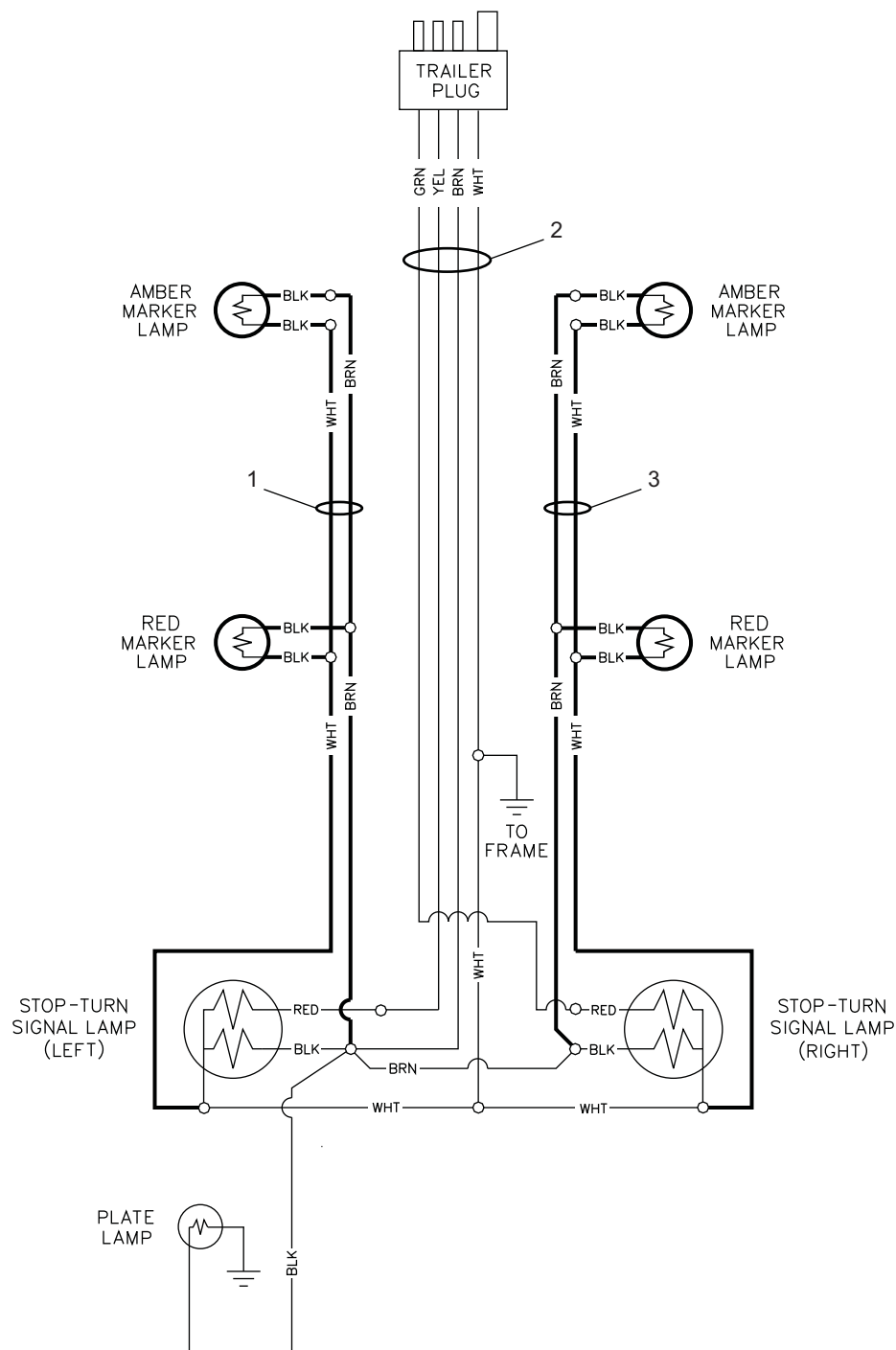
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60160	3	Screw, M8X1.25X30 hx ser flg	
2	65287	3	Lug, terminal single #6-350 MCM	
3	12065	1	Channel, glastic	
4	12066	2	Angle, glastic	
5	13126W	1	Panel, control	
6	11811W	2	Bracket, glastic plate	
7	60020	7	Nut, M8 hx ser flg lock	
8	60062	3	Screw, 10-32X.750 pan hd phil	
9	60044	2	Screw, M5X0.8X12 pan hd phil	
10	60738	2	Nut, 10-32 speed u-type	
11	25077	1	Switch, toggle - SPST 20A VAC	
12	18113	1	Potentiometer, 2.5K 2 watt	
13	60057	4	Nut, M4 hx hd	
14	60084	2	Washer, flat M4	
15	12632	2	Switch, trigger safety, N.O. & N.C.	
16	18496	1	Bushing, 2.50 x 2.00 ID	
17	60038	4	Nut, M5 HX nylock	
18	60355	2	Screw, M4X25 pan hd phil	
19	18890	1	Terminal block, 2-pos	
20	19163	1	Bushing, .500 x .375 ID	
21	66186	1	Controller, eng/gen - programmed	
22	18614	1	Lug, terminal dual #6-250MCM hole	
23	60009	3	Screw, M8X1.25X25 hx ser flg	
24	19227	4	Bushing, .812 OD x .625 ID	
25	60058	8	Washer, #6 split lock	
26	60190	8	Screw, 6-32X.312 pan phil	
27	65325	4	Light, indicator - green w/ wire	
28	14249	4	Breaker, 15A 250V 1pole	
29	11808W	1	Plate, lug door support	
-	18934	1	Guard, potentiometer	Not shown

LUG BOX DOOR ASSEMBLY



ITEM	PART	QTY	DESCRIPTION	NOTES
1	18598	1	Hinge, controller panel - 18.75	
2	60156	8	Screw, M5X0.8X16 pan hd phil	
3	60038	4	Nut, M5 hx nylock DIN985	
4	20762	1	Lock, door - 1/4 turn cam	
5	12631W	1	Panel, lug door	
6	15215	1	Bumper, rubber	
7	18893	1	Handle, lug door	
8	60043	2	Washer, split lock M5 DIN127	
9	60068	2	Screw, 10-24X.500 pan phil	
--	12630	1	Assembly, lug door	Items 1-9

WIRING HARNESS ASSEMBLY



ITEM	PART	QTY	DESCRIPTION	NOTES
1	10264	1	Harness, left side trailer	
2	10499	1	Assy, trailer light harness	
3	10265	1	Harness, right side trailer	
-	65441	-	Adapter, pig-tail trailer light 4-pin to 12-pin	
-	65465	-	Adapter, trailer wiring flat 4 to rnd 7 blade	
-	65464	-	Adapter, trailer wiring flat 4 to rnd 7 pin	
-	65463	-	Adapter, trailer wiring flat 4 to rnd 6 pin	
-	65548	-	Adapter, 4 pin flat to 4 pin flat X 12.00	

REV: ORG
PART NO: 17738
02.03.11