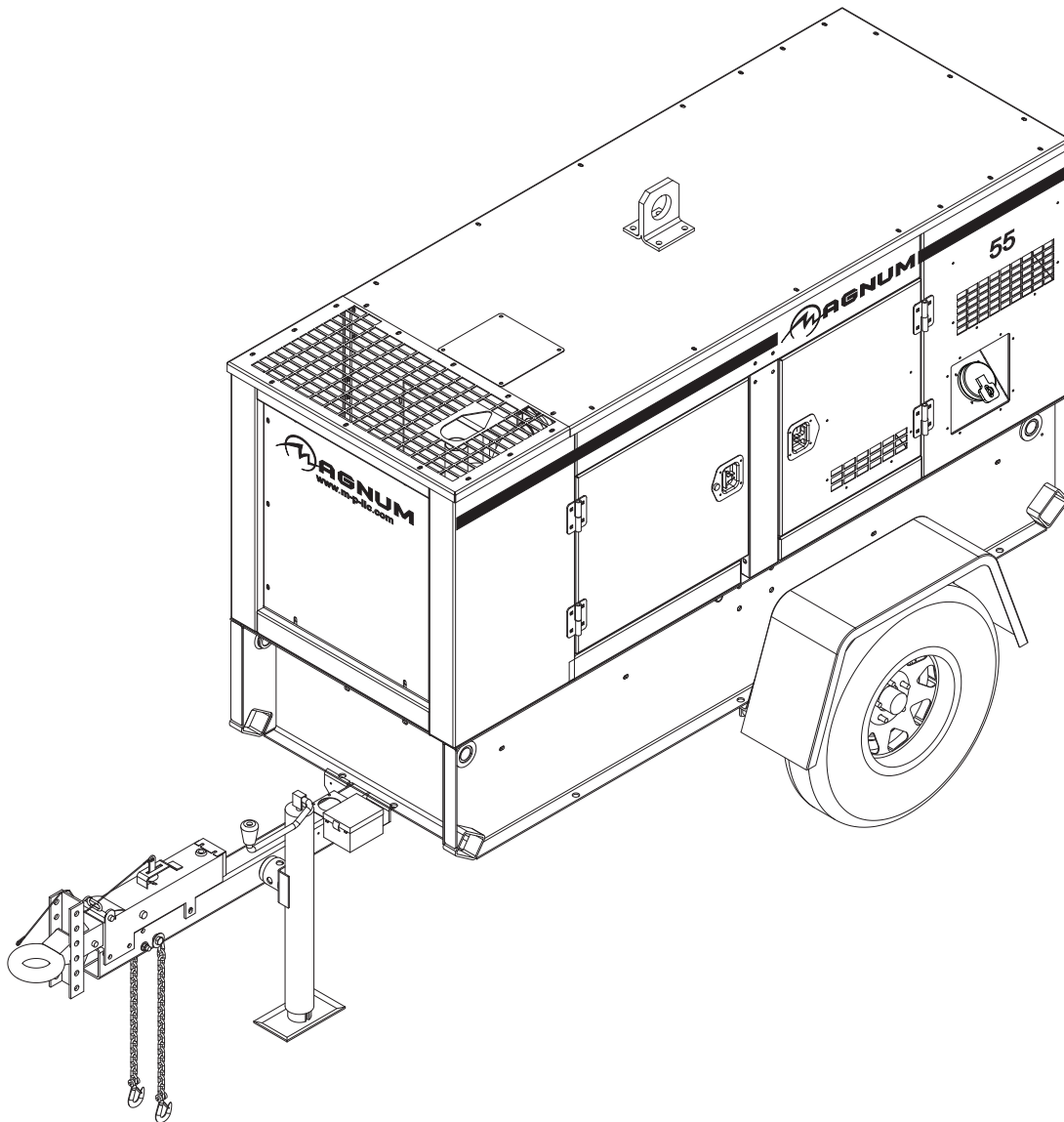




DIESEL GENERATOR MMG55D



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"), the emergency stop switch is closed (pushed in), 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. If the unit is connected to a remote start or transfer switch, make sure the remote switch is also off and tagged.

▲ 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 POWER 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 Power 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 Power 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

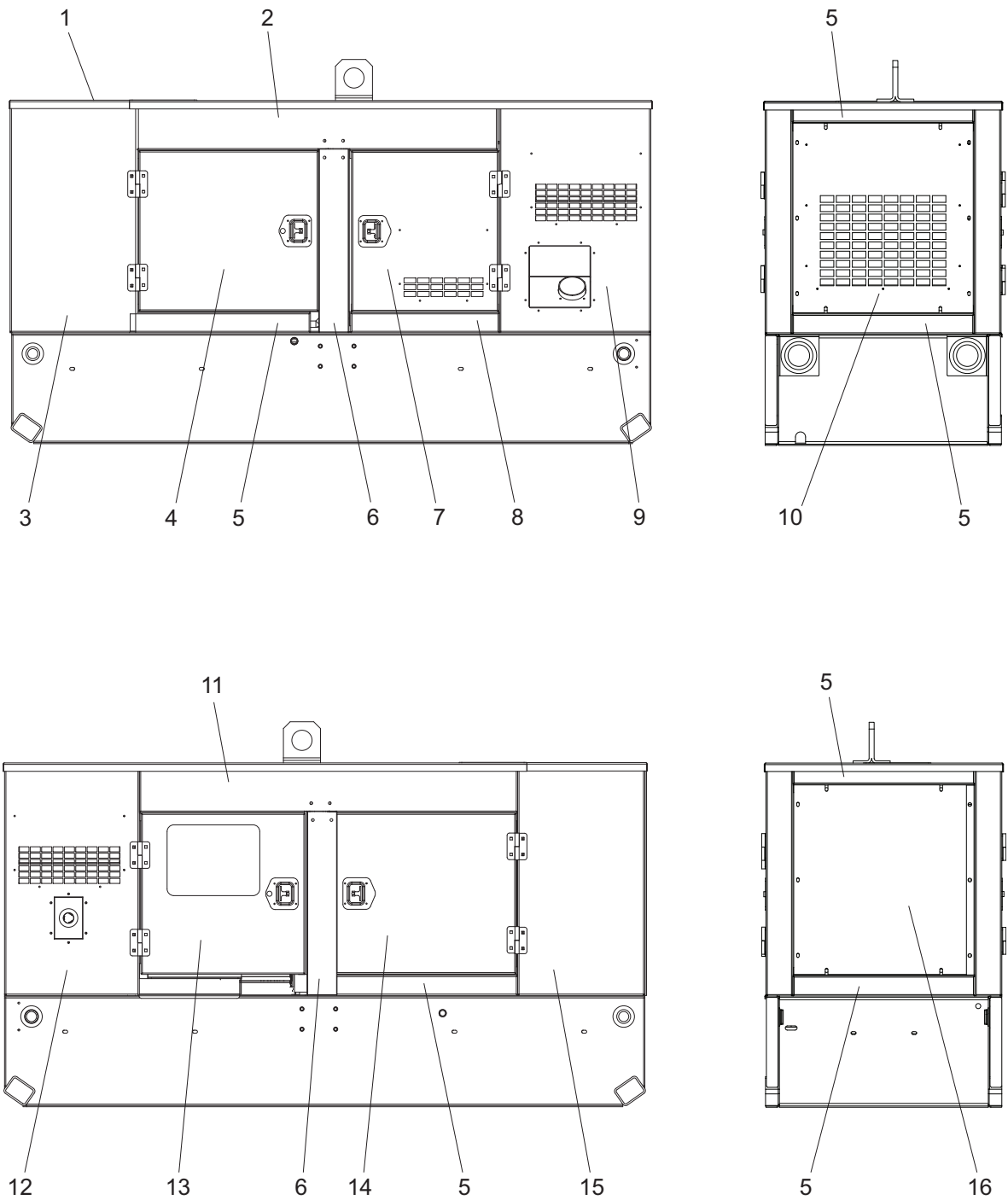
CALIFORNIA PROPOSITION 65 WARNING:

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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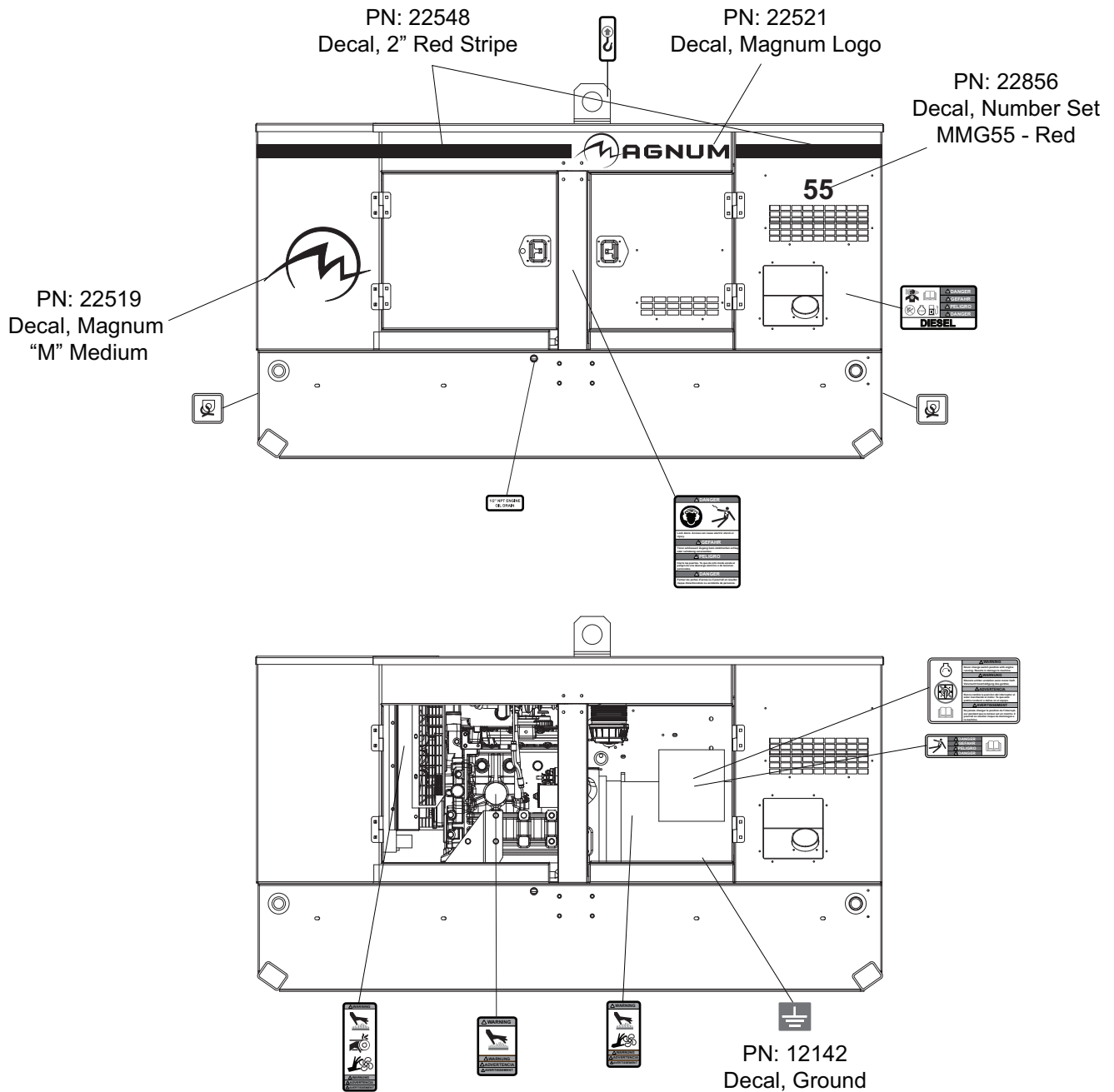
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ENCLOSURE PANELS



ITEM	PAGE	QTY	DESCRIPTION
1	Page 44	1	Roof panel assembly
2	Page 43	1	Left top side panel assembly
3	Page 33	1	Left front corner assembly
4	Page 38	1	Left front door assembly
5	Page 32	5	End/side panel assembly
6	Page 43	2	Center panel assembly
7	Page 40	1	Left rear door assembly
8	Page 32	1	Side panel assembly (short)
9	Page 34	1	Left rear corner assembly
10	Page 42	1	Rear panel assembly
11	Page 43	1	Right top side panel assembly
12	Page 36	1	Right rear corner assembly
13	Page 41	1	Control door assembly
14	Page 39	1	Right front door assembly
15	Page 33	1	Right front corner assembly
16	Page 42	1	Front panel assembly

UNIT DECALS



Located on tongue of trailered units:

FRONT INSTRUCTIONS	REAR INSTRUCTIONS	INSTRUCTIONS DE REMORQUAGE	INSTRUCTIONS DE REMORQUAGE
1. Read and understand all instructions before operating the unit. 2. Do not operate the unit if you are under the influence of alcohol or drugs. 3. Do not operate the unit if you are tired or distracted. 4. Do not operate the unit if you are not properly trained. 5. Do not operate the unit if you are not wearing your seat belt. 6. Do not operate the unit if you are not wearing your safety glasses. 7. Do not operate the unit if you are not wearing your hard hat. 8. Do not operate the unit if you are not wearing your gloves. 9. Do not operate the unit if you are not wearing your shoes. 10. Do not operate the unit if you are not wearing your pants.	1. Read and understand all instructions before operating the unit. 2. Do not operate the unit if you are under the influence of alcohol or drugs. 3. Do not operate the unit if you are tired or distracted. 4. Do not operate the unit if you are not properly trained. 5. Do not operate the unit if you are not wearing your seat belt. 6. Do not operate the unit if you are not wearing your safety glasses. 7. Do not operate the unit if you are not wearing your hard hat. 8. Do not operate the unit if you are not wearing your gloves. 9. Do not operate the unit if you are not wearing your shoes. 10. Do not operate the unit if you are not wearing your pants.	1. Read and understand all instructions before operating the unit. 2. Do not operate the unit if you are under the influence of alcohol or drugs. 3. Do not operate the unit if you are tired or distracted. 4. Do not operate the unit if you are not properly trained. 5. Do not operate the unit if you are not wearing your seat belt. 6. Do not operate the unit if you are not wearing your safety glasses. 7. Do not operate the unit if you are not wearing your hard hat. 8. Do not operate the unit if you are not wearing your gloves. 9. Do not operate the unit if you are not wearing your shoes. 10. Do not operate the unit if you are not wearing your pants.	1. Read and understand all instructions before operating the unit. 2. Do not operate the unit if you are under the influence of alcohol or drugs. 3. Do not operate the unit if you are tired or distracted. 4. Do not operate the unit if you are not properly trained. 5. Do not operate the unit if you are not wearing your seat belt. 6. Do not operate the unit if you are not wearing your safety glasses. 7. Do not operate the unit if you are not wearing your hard hat. 8. Do not operate the unit if you are not wearing your gloves. 9. Do not operate the unit if you are not wearing your shoes. 10. Do not operate the unit if you are not wearing your pants.



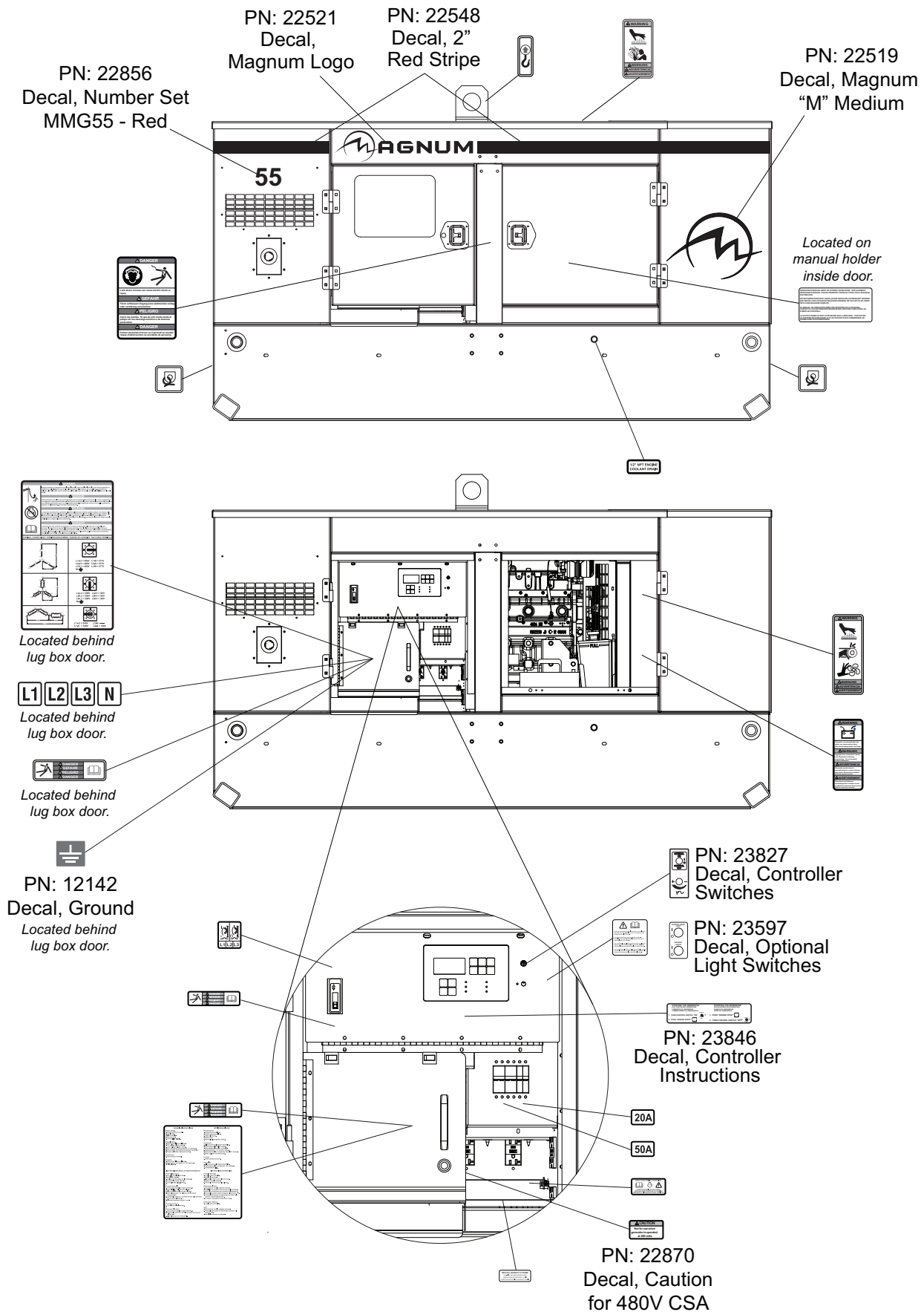
PN: 29003
Decal, Tire load ST 225/75R-15 5000



PN: 29011
Decal, Tire load ST205/75R-15 (TANDEM)

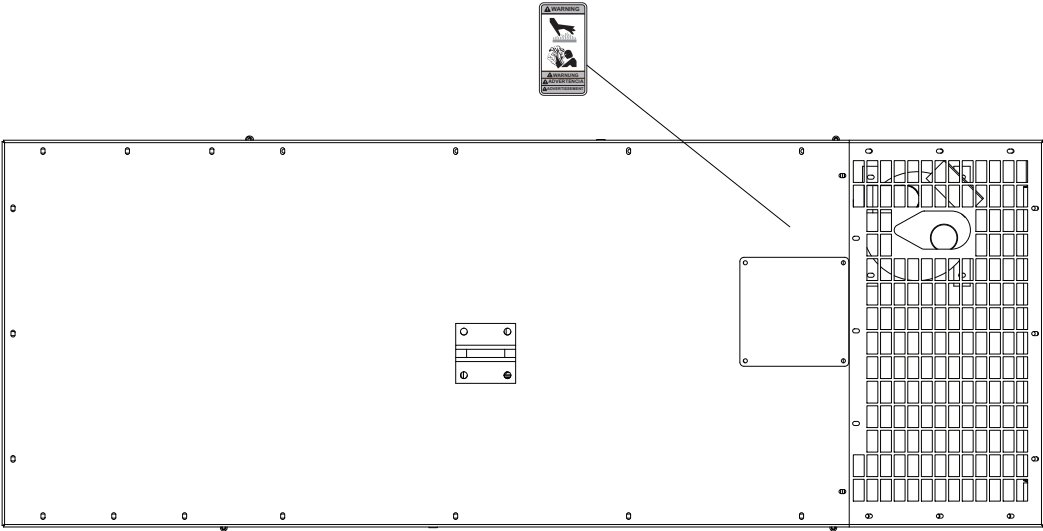
Note: All safety and operating decals are located on decal sheet 23599, unless otherwise noted.

UNIT DECALS (CONTINUED)

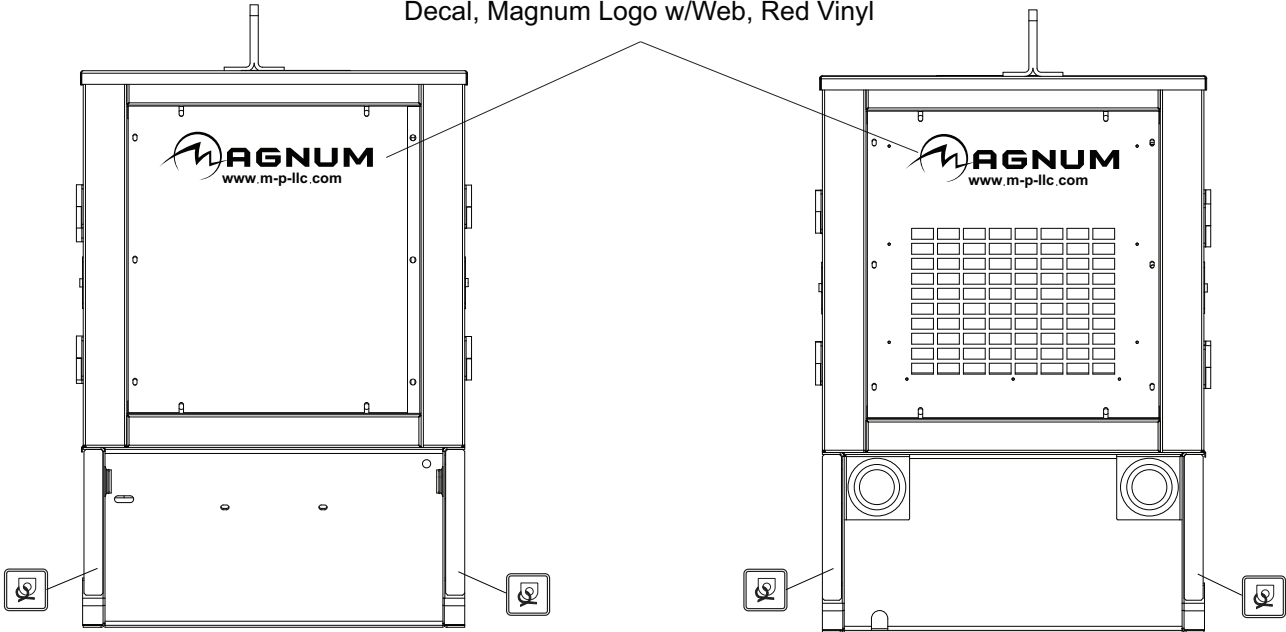


Note: All safety and operating decals are located on decal sheet 23599, unless otherwise noted.

UNIT DECALS (CONTINUED)

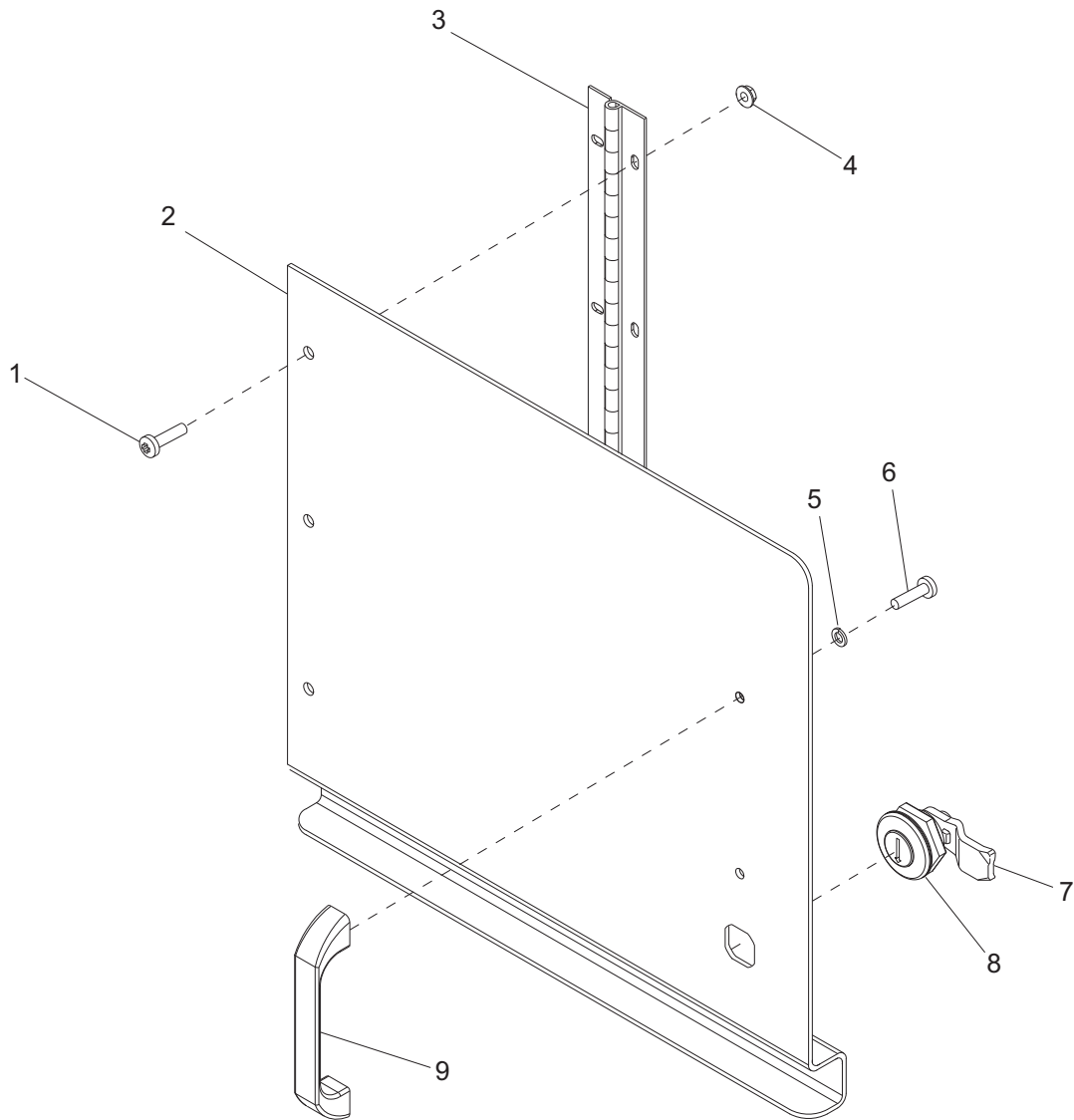


PN: 11275
Decal, Magnum Logo w/Web, Red Vinyl



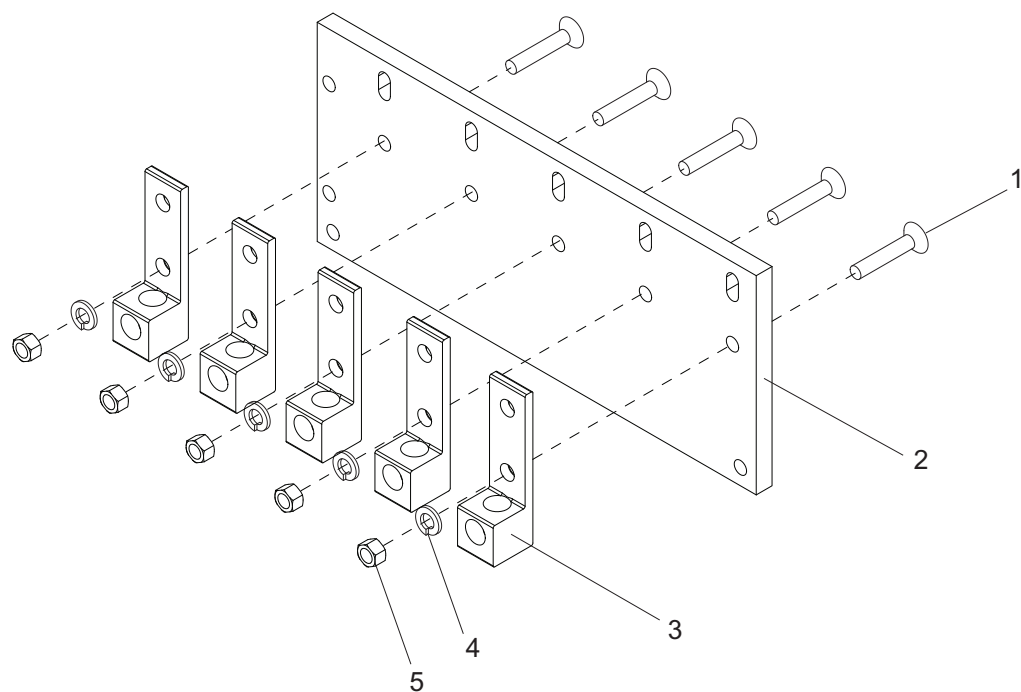
Note: All safety and operating decals are located on decal sheet 23599, unless otherwise noted.

LUG BOX DOOR



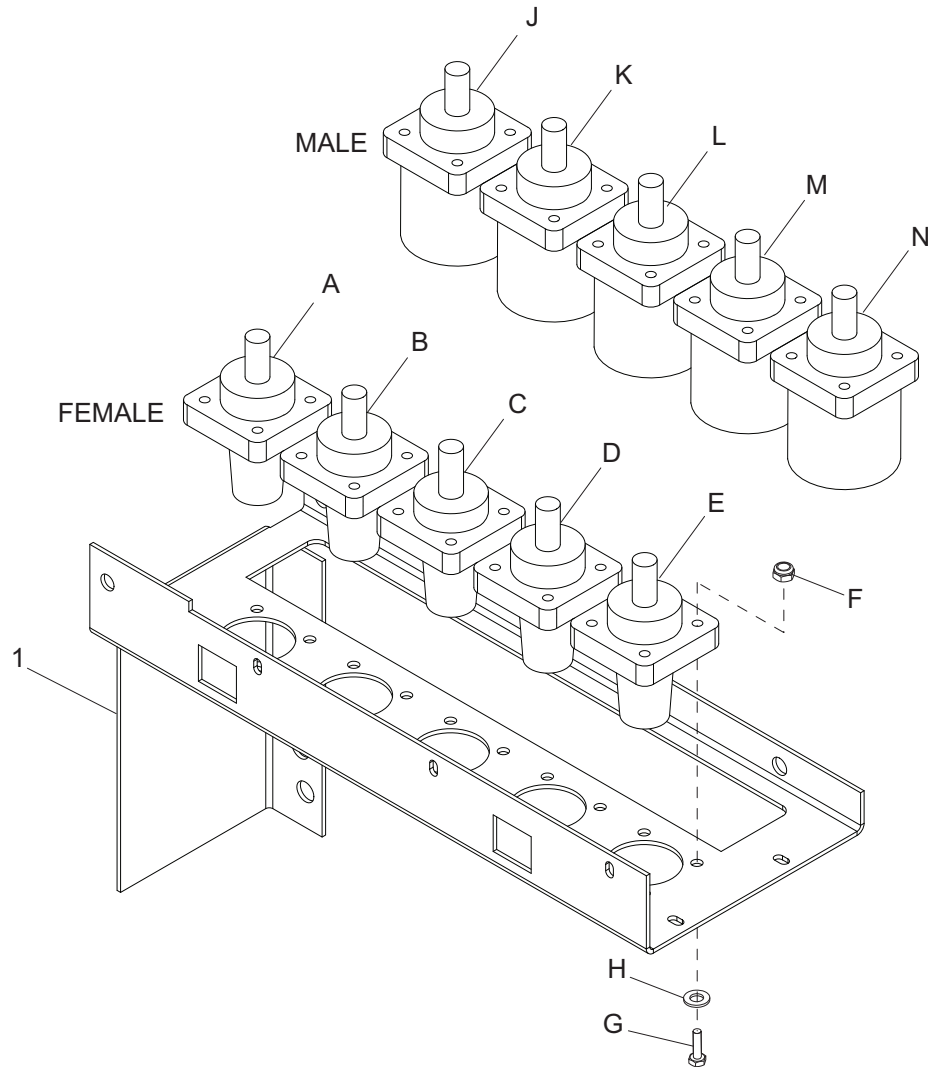
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	60398	3	Screw, 10-32x.500 pan phil	
2	28570W	1	Door, lug box	
3	22018	1	Hinge, continuous - 10.25 in	
4	61045	3	Nut, 10-32 ser flg	
5	60252	2	Washer, split lock #10	
6	60068	2	Screw, 10-24x.500 pan phil	
7	12550	1	Cam lock lever leg	
8	12547	1	Assembly, cam lock, qrtr turn	
9	18893	1	Handle, lug door	

LUG PLATE ASSEMBLY



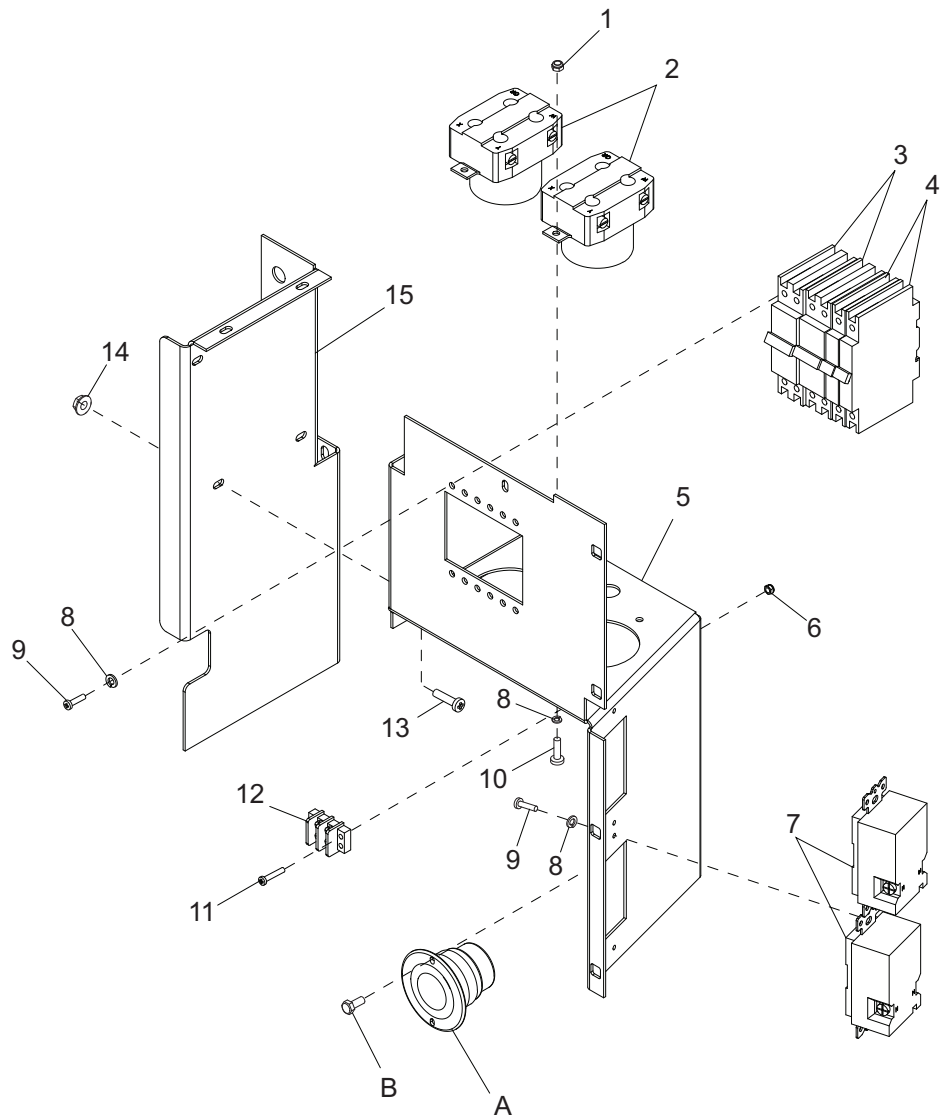
ITEM	PART	QTY	DESCRIPTION	NOTES
1	61005	5	Screw, .375-16x1.750 flat hex	
2	27828	1	Panel, lug box glastic	
3	65677	5	Lug, terminal single #6-350MCM 2 hole	
4	60206	5	Washer, .375 split lock hardened	
5	60140	5	Nut, .375-16 hex	

CAM LOCK PANEL ASSEMBLY



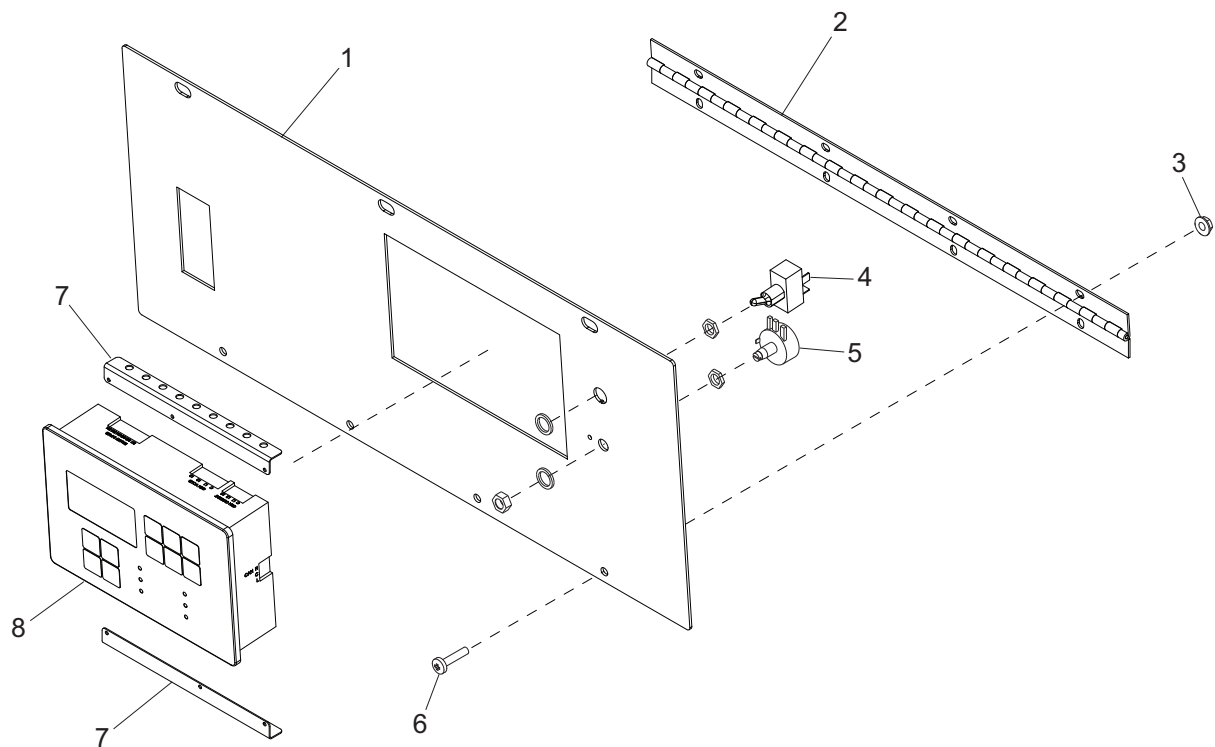
ITEM	PART	QTY	DESCRIPTION	NOTES
1	27825B	1	Panel, lug box top	
A	65551	1	Conn. cam lock fm, 400A - black	Option: cam locks
B	65552	1	Conn. cam lock fml, 400A - red	Option: cam locks
C	65553	1	Conn. cam lock fml, 400A - blue	Option: cam locks
D	66040	1	Conn. cam lock fml, 400A - white	Option: cam locks
E	66041	1	Conn. cam lock fml, 400A - green	Option: cam locks
F	60061	20	Nut, 10-32 nylock	Option: cam locks
G	60397	20	Screw, 10-32x1.0 pan phil	Option: cam locks
H	60237	20	Washer, #10 flat	Option: cam locks
J	66037	1	Conn. cam lock male, 400A - black	Option: cam locks
K	66038	1	Conn. cam lock male, 400A - red	Option: cam locks
L	66039	1	Conn. cam lock male, 400A - blue	Option: cam locks
M	65554	1	Conn. cam lock male, 400A - white	Option: cam locks
N	65555	1	Conn. cam lock male, 400A - green	Option: cam locks

OUTLET PANEL ASSEMBLY



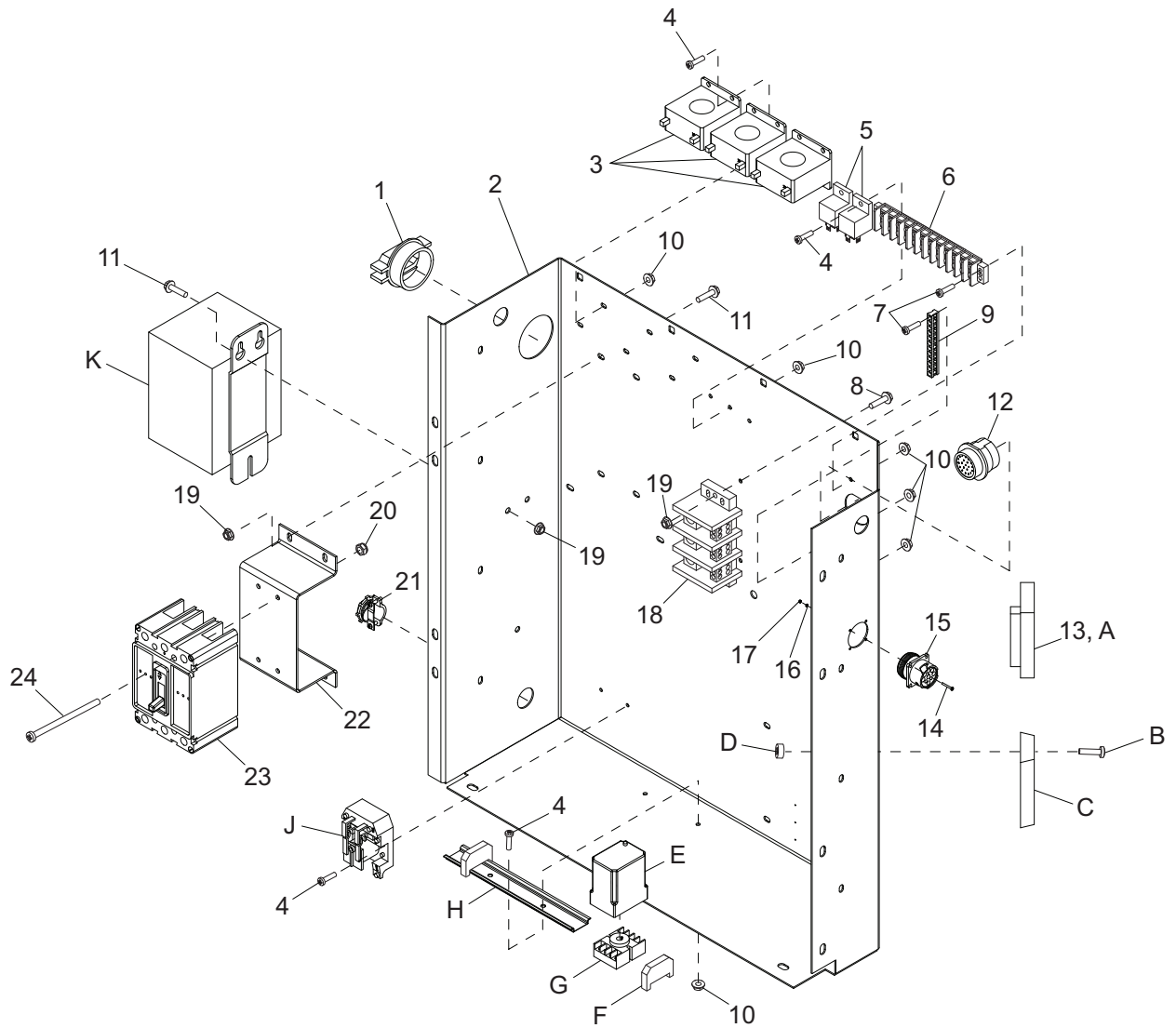
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60061	4	Nut, 10-32 nylock	
2	18089	2	Receptacle, 240V/50A twist-lock	
3	18092	2	Breaker, 50A, 240V, 2 pole	
4	18091	2	Breaker, 20A, 240V, 1 pole	
5	27867B	1	Panel, outlet	
6	60290	2	Nut, 6-32 nylock, SS	
7	14130	2	Receptacle, 120V, 20A GFI	
8	60058	16	Washer, #6 split lock	
9	60405	16	Screw, 6-32x.250 pan phil	
10	60648	4	Screw, 10-32x.500 pan phil thrd form	
11	60046	2	Screw, 6-32x.750 pan phil	
12	18890	1	Terminal block, 2 pos	
13	60398	2	Screw, 10-32x.500 pan phil, SS	
14	61045	2	Nut 10-32 ser flg	
15	27864B	1	Panel, lug box side	
A	65285	2	Receptacle, 120V/15A inlet (5-15R)	Option: Edison plug
B	60364	2	Screw, 10-16x.500 std hex, self drill	Option: Edison plug

CONTROL PANEL ASSEMBLY



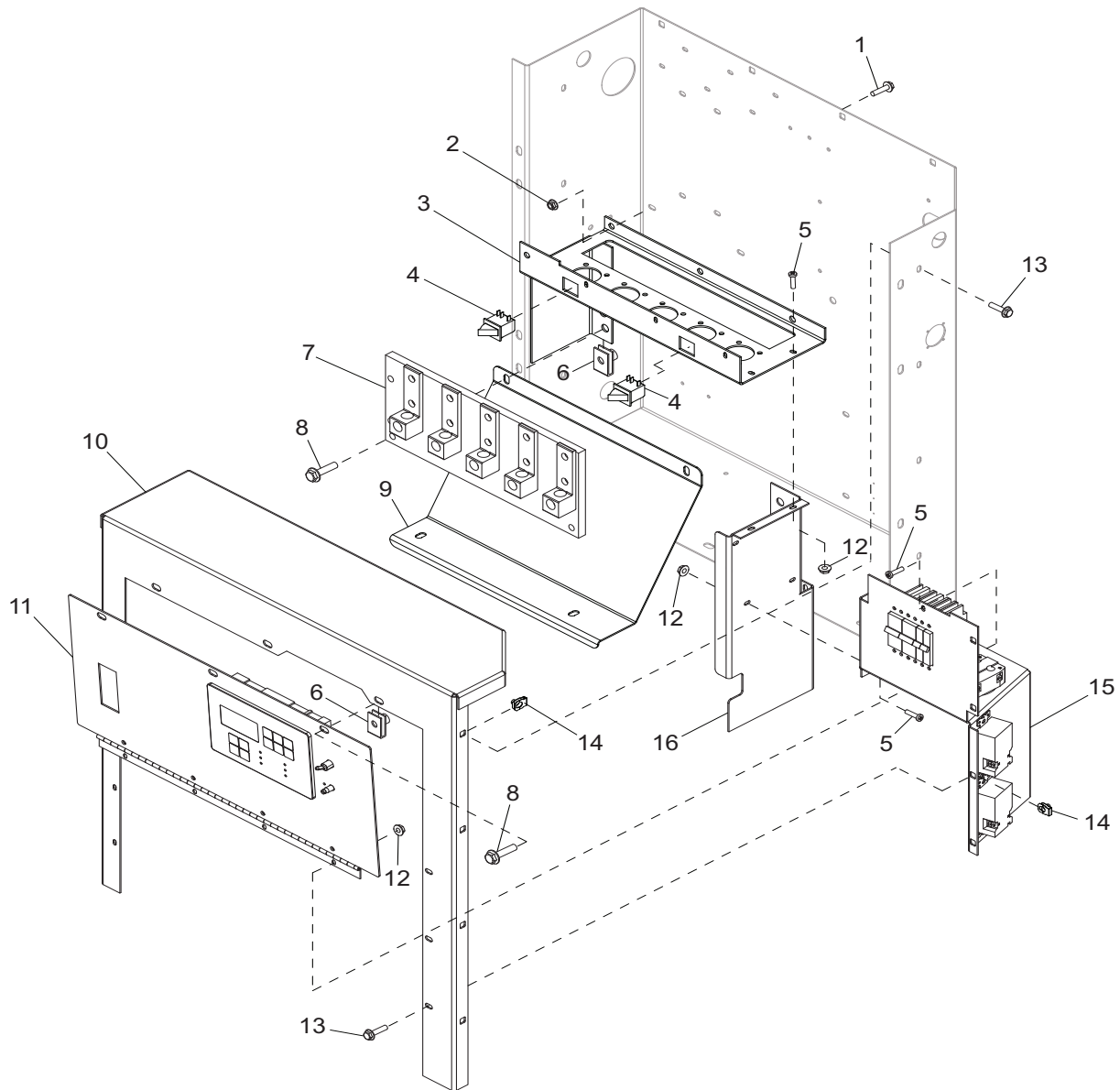
ITEM	PART	QTY	DESCRIPTION	NOTES
1	27827W	1	Panel, control	
2	18598	1	Hinge, controller panel - 18.75 in	
3	61045	4	Nut, 10-32 ser flg	
4	25077	1	Switch, toggle - S.P.S.T. 20A VAC	
5	26229	1	Kit, voltage adjustment potentiometer	
6	60398	4	Screw, 10-32x.500 pan phil, SS	
7	29893	2	Bracket, control board wire guide	
8	66459	1	Controller, eng/gen	
--	18934	1	Guard, potentiometer	Not shown

CONTROL BOX ASSEMBLY



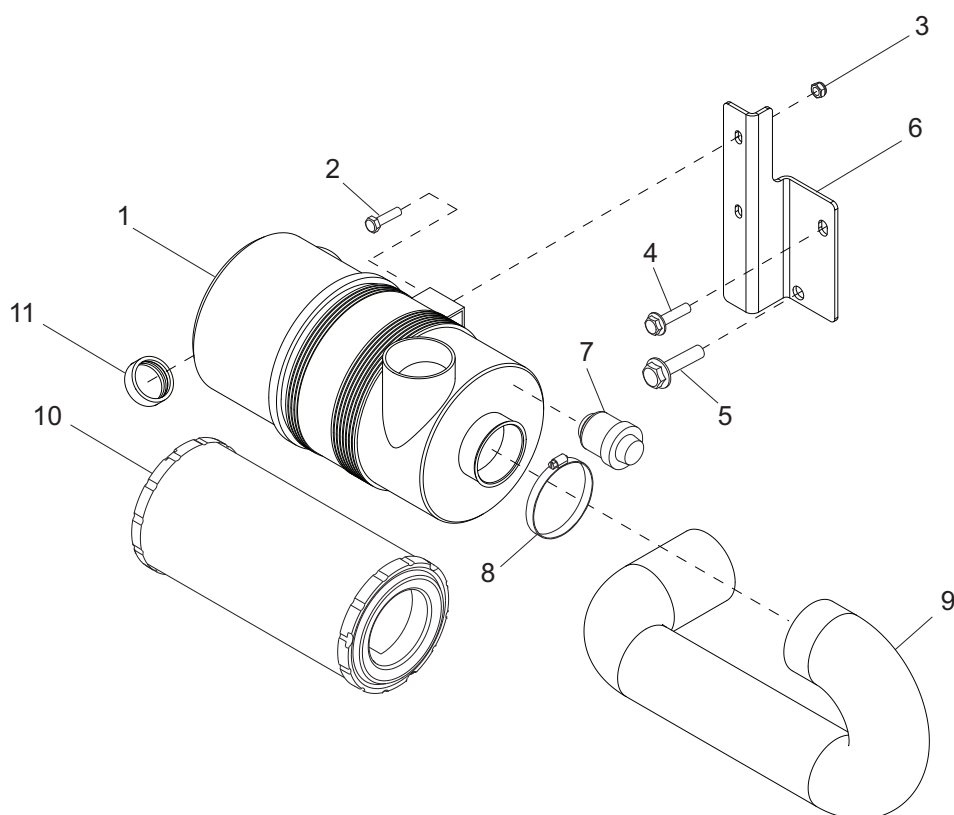
ITEM	PART	QTY	DESCRIPTION	NOTES
1	65788	1	Strain relief- 2.00 Romex w/nut	
2	27819B	1	Box, control	
3	65685	3	Transformer, current - terminals (200:5A)	
4	60398	6	Screw, 10-32x.500 pan phil, SS	
5	66455	2	Relay, 12V 70A N.C./80A N.O. w/diode	
6	14139	1	Block, terminal - 12 pos	
7	60062	4	Screw, 10-32x.750 pan phil	
8	60024	2	Screw, M6-1.00x25 ser flg hex	
9	14204	1	Kit, ground bar	
10	61045	16	Nut, 10-32 ser flg	
11	60115	5	Screw, M6-1.00x12 ser flg hex	
12	65309	1	Connector, 21 pin Deutsch	
13	18556	1	Regulator, voltage - SE350	
14	60757	4	Screw, 4-40x.750 pan phil	
15	66361	1	Connector, Deutsch - 9 pos plug	
16	60084	4	Washer, M4 flat	
17	60758	4	Nut, 4-40 nylock	
18	65356	1	Block, terminal - 3 pole, Bussman	
19	60036	9	Nut, M6-1.00 ser flg lock	
20	60051	4	Nut, M4-.70 nylock	
21	14219	1	Strain relief - .75 Romex w/nut	
22	27890B	1	Bracket, breaker	
23	65452	1	Breaker, 225A	
24	60159	4	Screw, M4-0.70x45 pan phil	
A	22729	1	Regulator, voltage - PM300	Option: only for use with PMG generator
B	60524	2	Screw, 10-24x.625 pan phil	Option: battery charger
C	65326	1	Charger, battery - 2A, 3-stage	Option: battery charger
D	60457	2	Nut, 10-24 nylock	Option: battery charger
E	66340	1	Relay, volt sensing (132V in 126V out)	Option: buck transformer
F	65674	2	Stop, 35MM din rail end	Option: buck transformer
G	65644	1	Base, relay - 8 pos	Option: buck transformer
H	65673	1	Rail, din - 35MMx9.00"	Option: buck transformer
J	65461	1	Relay, 30A DPDT 120VAC power	Option: buck transformer
K	21487	1	Transformer, 1.13:1 1-phase 500VA	Option: buck transformer

CONTROL BOX ASSEMBLY CONTINUED



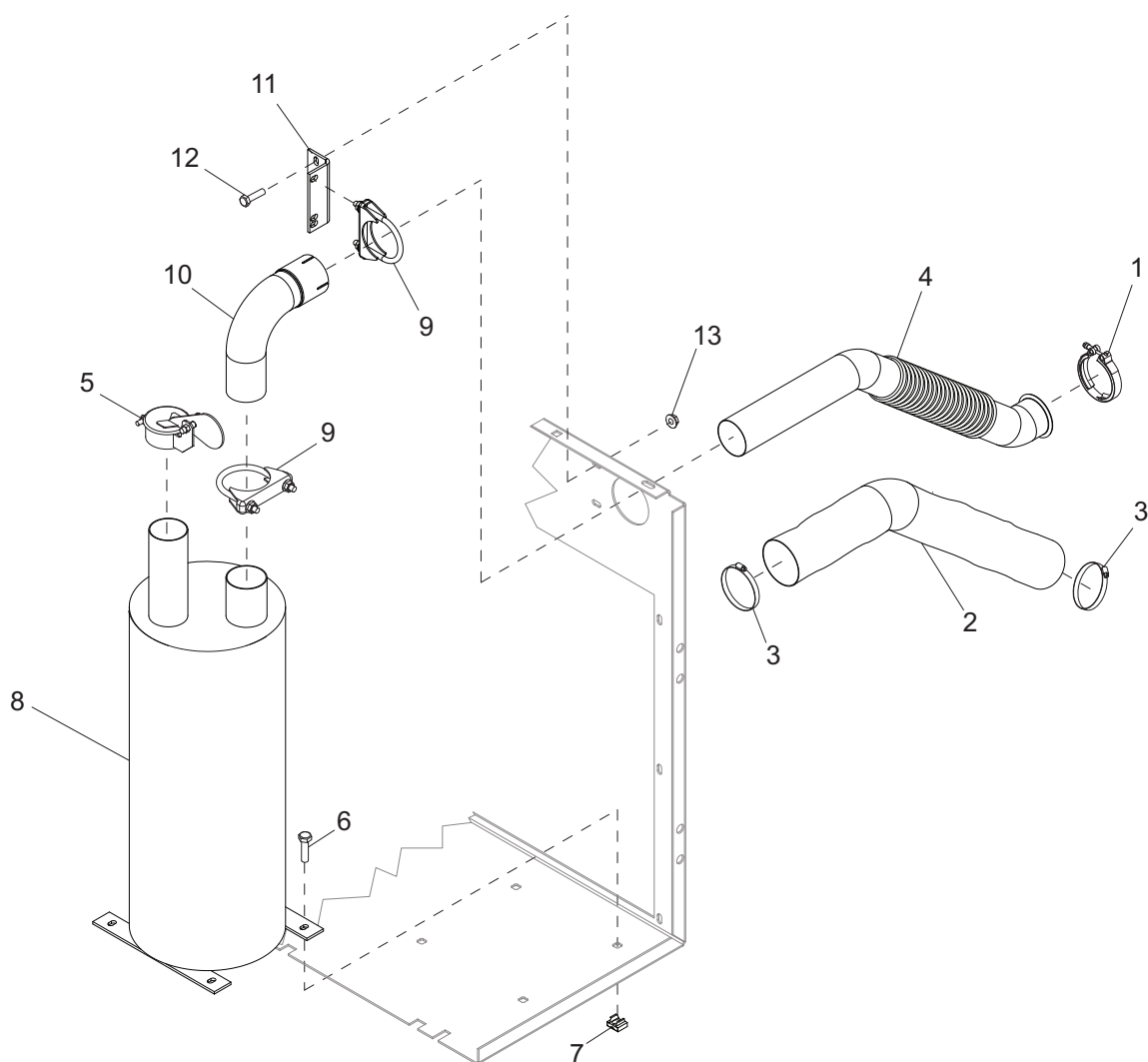
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60115	3	Screw, M6-1.00x12 ser flg hex	
2	60036	3	Nut, M6-1.00 ser flg lock	
3	27825B	1	Panel, lug box top	
4	12632	2	Switch, trigger safety, N.O. & N.C.	
5	60398	8	Screw, 10-32x.500 pan phil, SS	
6	60505	6	Nut, .312-18 U-clip	
7	Page 16	1	Assembly, lug plate	
8	61091	6	Screw, .312-18x1.00 ser flg hex	
9	27866B	1	Panel, lug box outlet	
10	27826W	1	Panel, control box cover	
11	Page 13	1	Assembly, control panel	
12	61045	8	Nut, 10-32 ser flg	
13	60175	12	Screw, .250-20x.500 ser flg hex	
14	15424	12	Nut, .250-20 cage	
15	Page 12	1	Assembly, outlet panel	
16	27864B	1	Panel, lug box side	

AIR FILTER ASSEMBLY



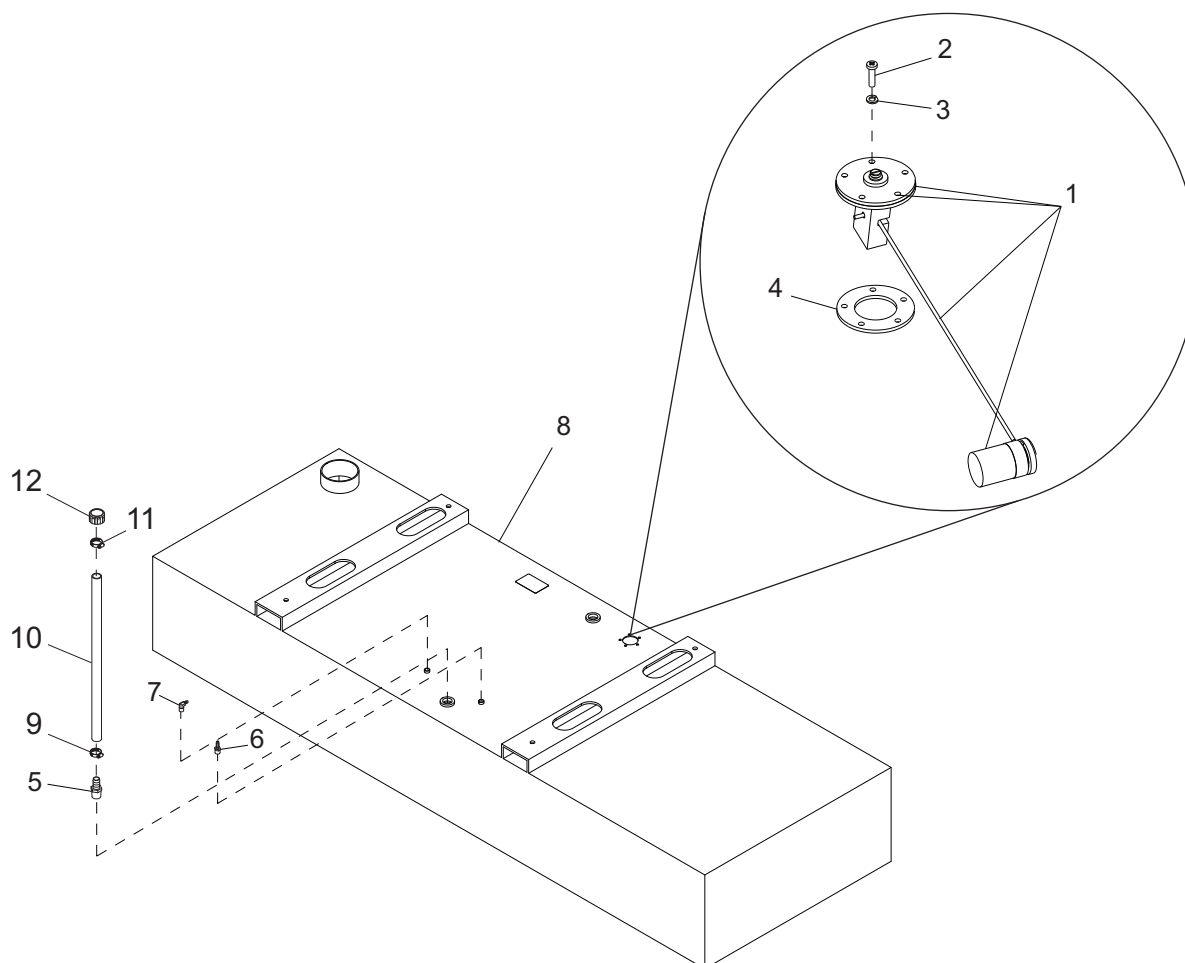
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	22967	1	Filter, air, assy	
2	61061	2	Screw, .312-18x.875 std hex	
3	60303	2	Nut, .312-18 nylock	
4	60009	1	Screw, M8-1.25x25 ser flg hex	
5	60072	1	Screw, M12-1.75x25 ser flg hex	
6	27960B	1	Bracket, air filter	
7	24518	1	Gauge, filter restriction	
8	19717	1	Clamp, hose - SAE 064 (3.56-4.50)	
9	27946	1	Hose, air intake	
10	22874	1	Element, air filter	
11	19277	1	Cap, dust ejector	

EXHAUST SYSTEM ASSEMBLY



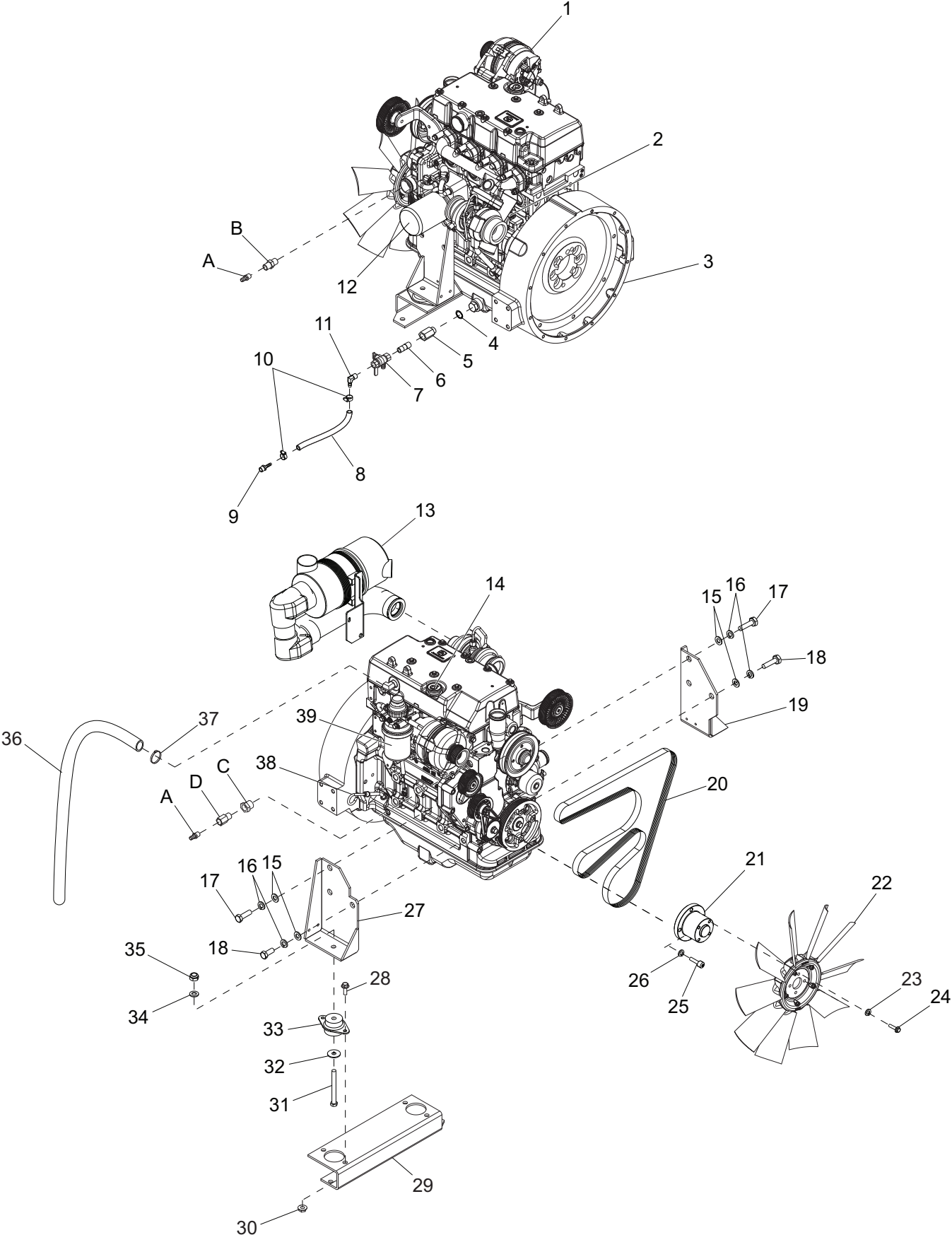
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	18823	1	Clamp, muffler - 2.00	
2	26479	4 ft.	Sleeve, high temp - 3.00	
3	19336	2	Clamp, hose - SAE 044	
4	30791	1	Pipe, exhaust	
5	25647	1	Cap, rain - 2.50	
6	61091	4	Screw, .312-18x1.00 sflg hex	
7	15425	4	Nut, .312-18 cage	
8	27963	1	Muffler, exhaust	
9	15550	2	Clamp, muffler - 2.5"	
10	27942	1	Pipe, exhaust	
11	26721B	1	Bracket, muffler support	
12	60507	2	Screw, .312-18x1.00 hex, SS	
13	60095	2	Nut, .312-18 sflg	

FUEL TANK ASSEMBLY



ITEM	PART	QTY	DESCRIPTION	NOTES
1	20571	1	Sender, fuel	
2	60062	5	Screw, 10-32x.750 pan hd phil	
3	60252	5	Washer, #10 split lock	
4	22323	1	Gasket, fuel sending unit	
5	21451	1	Fitting, strt - 1.00MNPTx1.00 barb	
6	15142	1	Fitting, strt - .250NPTx.312 barb	
7	15693	1	Fitting, 90° - .250NPTx.312 barb, brass	
8	27719B	1	Tank, fuel - 110 gal	
9	62243	1	Clamp, hose - .813-1.50 constant torque	
10	50019	3.00 ft.	Hose, fuel - 1"	
11	62040	1	Clamp, hose, 1.5 fuel hose	Crimp style
12	26379	1	Vent, plastic fuel 1.00 ID	
--	27916B	1	Tank, fuel - dbl wall 93 gal (84 usable)	Option: not shown

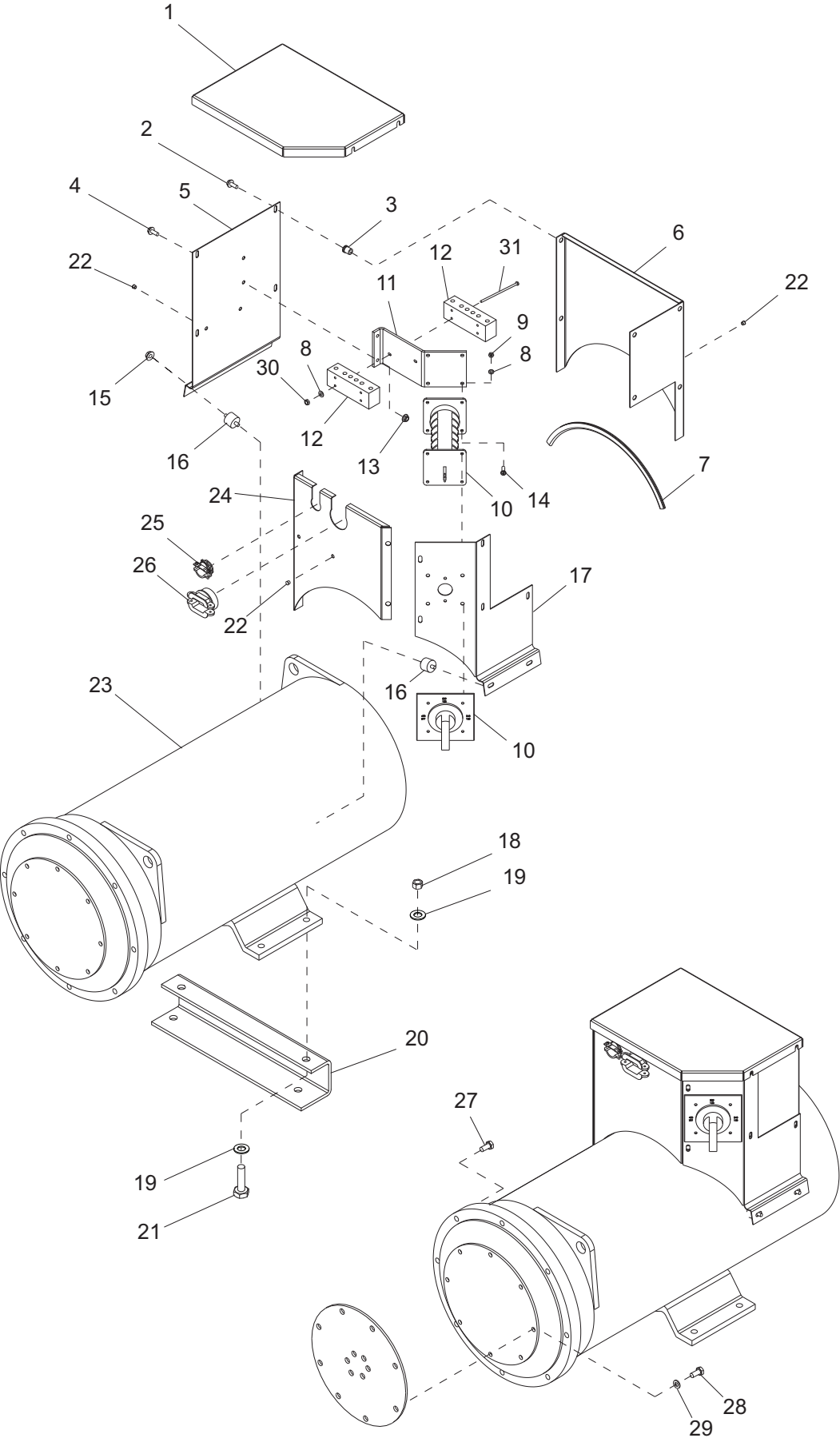
ENGINE ASSEMBLY



ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	26270	1	Alternator, engine	
2	23105	1	Starter, engine	
3	27814	1	Engine, Deere 4024HF285	
4	19467	1	Seal, M22	
5	19307	1	Fitting, strt - .500FNPTxM22x1.50, brass	
6	60438	1	Nipple, pipe - .500 NPT	
7	19279	1	Valve, ball - .500 NPTF	
8	50201	2.5 ft.	Hose, coolant - .625 I.D.	
9	60502	1	Fitting, strt - .500MNPTx.625 barb, brass	
10	60365	2	Clamp, hose - SAE 010 (.56-1.06)	
11	61014	1	Fitting, 90° - .500MNPTx.625 barb, brass	
12	29487	1	Filter, oil	
13	Page 17	1	Assembly, air filter	
14	29486	1	Oil fill cap	
15	60521	6	Washer, .625 flat	
16	60522	6	Washer, .625 split lock	
17	60381	4	Screw, M16-2.00x50 hex hd	
18	60489	2	Screw, M16-2.00x40 hex hd	
19	24204B	1	Weldment, engine mount - left	
20	29489	1	Belt, fan	
21	41048	1	Spacer, fan	
22	24933	1	Fan, pusher - 20" CW	
23	60029	4	Washer, M8 split lock	
24	61024	4	Screw, .312-18x1.00 std hex	
25	60859	4	Screw, M10-1.5x45 soc hd	
26	60026	4	Washer, split lock M10	
27	24205B	1	Weldment, engine mount - right	
28	60018	4	Screw, M10-1.25x20 sflg hex	
29	27962B	1	Bracket, engine mount adapter	
30	60064	4	Nut, M10-1.50 sflg lock	
31	61094	2	Screw, .500-13x3.50 std hex	
32	18085	2	Washer, snubber	
33	22788	2	Mount, rubber shock	
34	60416	2	Washer, flat .500	
35	60307	2	Nut, .500-13 hex nylock	
36	50332	3.75 ft.	Hose, fuel - .750 ID, 35 psi, SAE 30R7	
37	62243	1	Clamp, hose - .813-1.50 constant torque	
38	26269	1	Dipstick, oil	
39	29488	1	Filter, fuel	
--	24552	1	Filter, oil recirculation	Not shown
A	25931	2	Fitting, hose - .375NPTx.625 barb	Option: coolant heater
B	62206	1	Fitting, strt-.375FNPTxM14x1.5 O-ring MI	Option: coolant heater
C	22866	1	Fitting, strt-.125FNPTxM14x1.5 O-ring SI	Option: coolant heater
D	23391	1	Fitting, strt-.375FNPTx.125MNPT brass	Option: coolant heater

Note: Engine and generator parts used in all Magnum Power 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 Power Products LLC with questions.

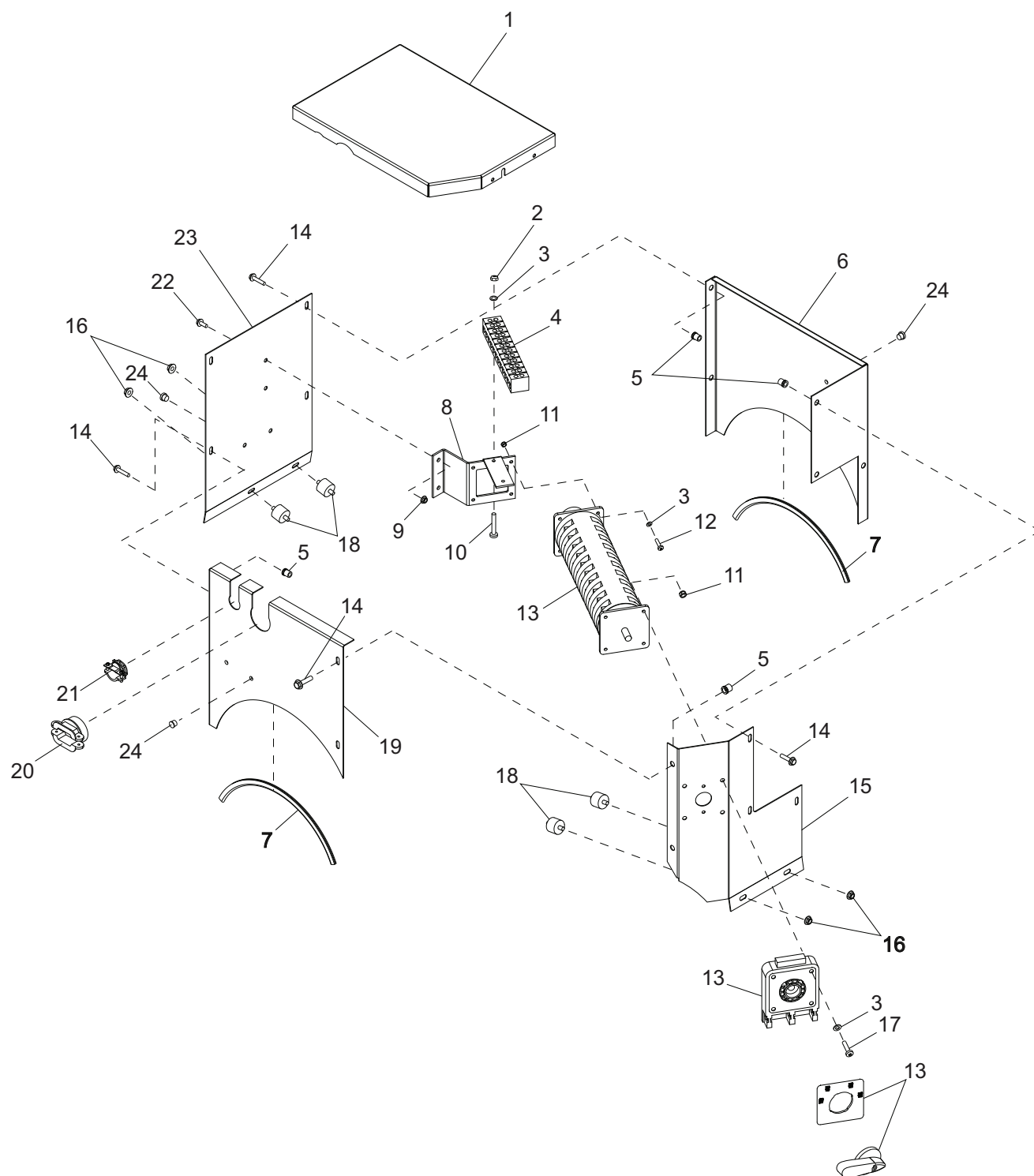
GENERATOR ASSEMBLY



ITEM	PART	QTY	DESCRIPTION	NOTES
1	22985B	1	Panel, generator box top	
2	60135	10	Screw, M6-1.0x16 sflg hex	
3	60023	10	Insert, M6 threaded	
4	60115	2	Screw, M6-1.0x12 sflg hex	
5	22984B	1	Panel, right side gen box	
6	23126B	1	Panel, rear generator box	
7	19045	2	Seal, generator box	
8	60041	6	Washer, flat M5	
9	60038	4	Nut, M5 hex nylock	
10	65459	1	Switch, phase selector - 80A	
11	22988B	1	Bracket, phase switch	
12	65481	2	Block, terminal - 6 pos.	
13	60036	2	Nut, M6-1.00 sflg lock	
14	60156	4	Screw, M5-0.8x16 pan hd phil	
15	60161	4	Nut, .250-20 sflg	
16	22283	4	Bolt, flex sandwich mount	
17	23127B	1	Panel, left side gen box	
18	60307	2	Nut, .500-13 nylock	
19	60416	4	Washer, .500 flat	
20	27964B	1	Bracket, gen mount adapter	
21	60388	2	Screw, .500-13x1.500 std hex	
22	65491	6	Plug, .281 hole x .06 thrd black	
23	24160	1	Generator, 286PSL1701	
24	22982B	1	Panel, front gen box	
25	14219	1	Strain relief, .75 Romex w/nut	
26	65239	1	Strain relief, 1.50 Romex w/nut	
27	60055	12	Screw, M10-1.50x35 std hex	
28	60717	8	Screw, .375-16x.750 soc hd	
29	60698	8	Washer, .375 flat, SS	
30	60318	2	Nut, 8-32 hex	
31	60725	2	Screw, 8-32x2.500 pan head slot	
--	23103	3	Bracket, selector switch	Not shown
--	24576	1	Kit, stator/rotor/covers	Option: PMG Generator (not shown)

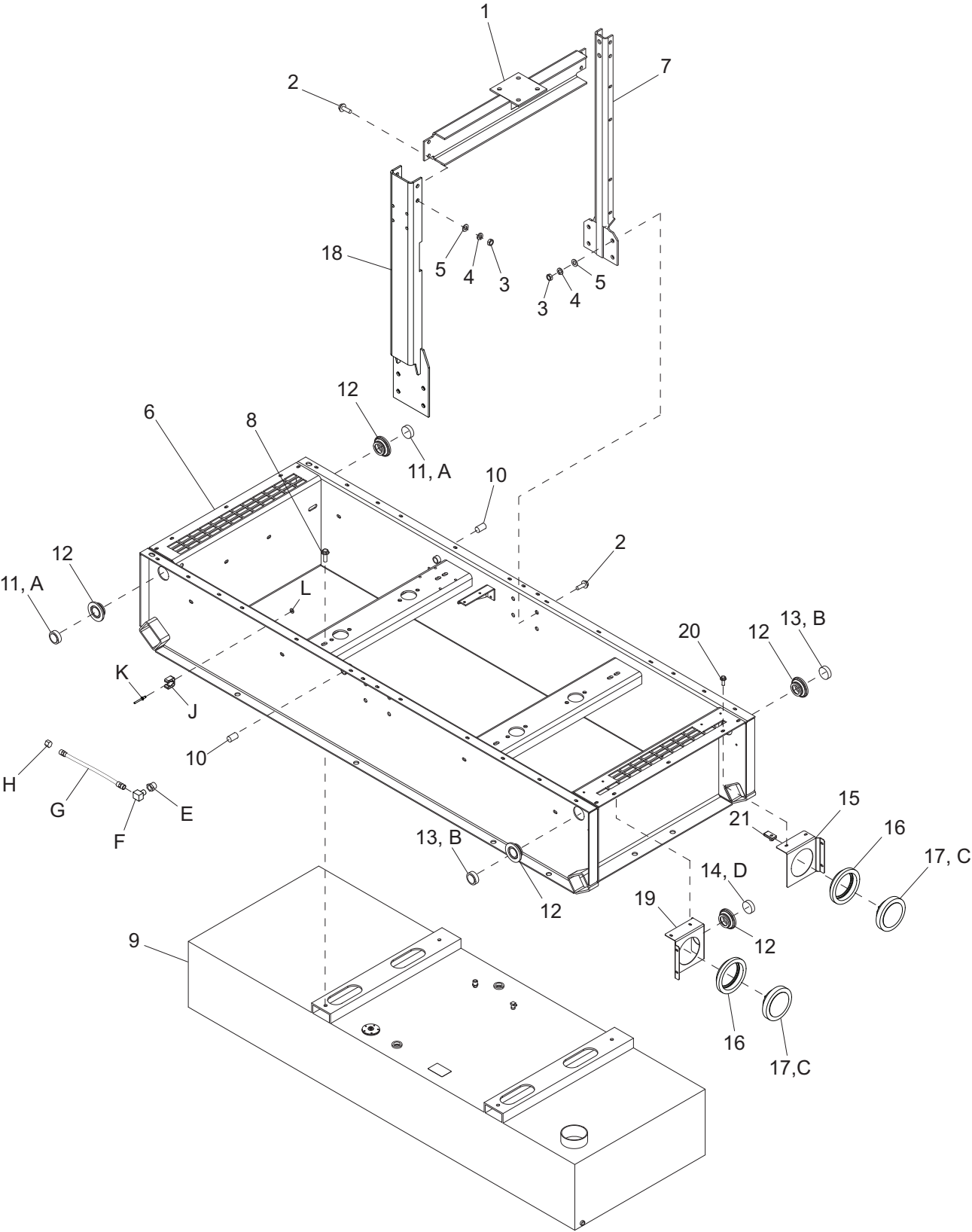
Note: Engine and generator parts used in all Magnum Power Products LLC equipment carry the Original Equipment Manufacturer (OEM) warranty unless otherwise stated. OEM warranty parts must be purchased through an OEM dealer. Please contact Magnum Power Products LLC with questions.

GENERATOR BOX ASSEMBLY
With 4 position voltage selector switch option.



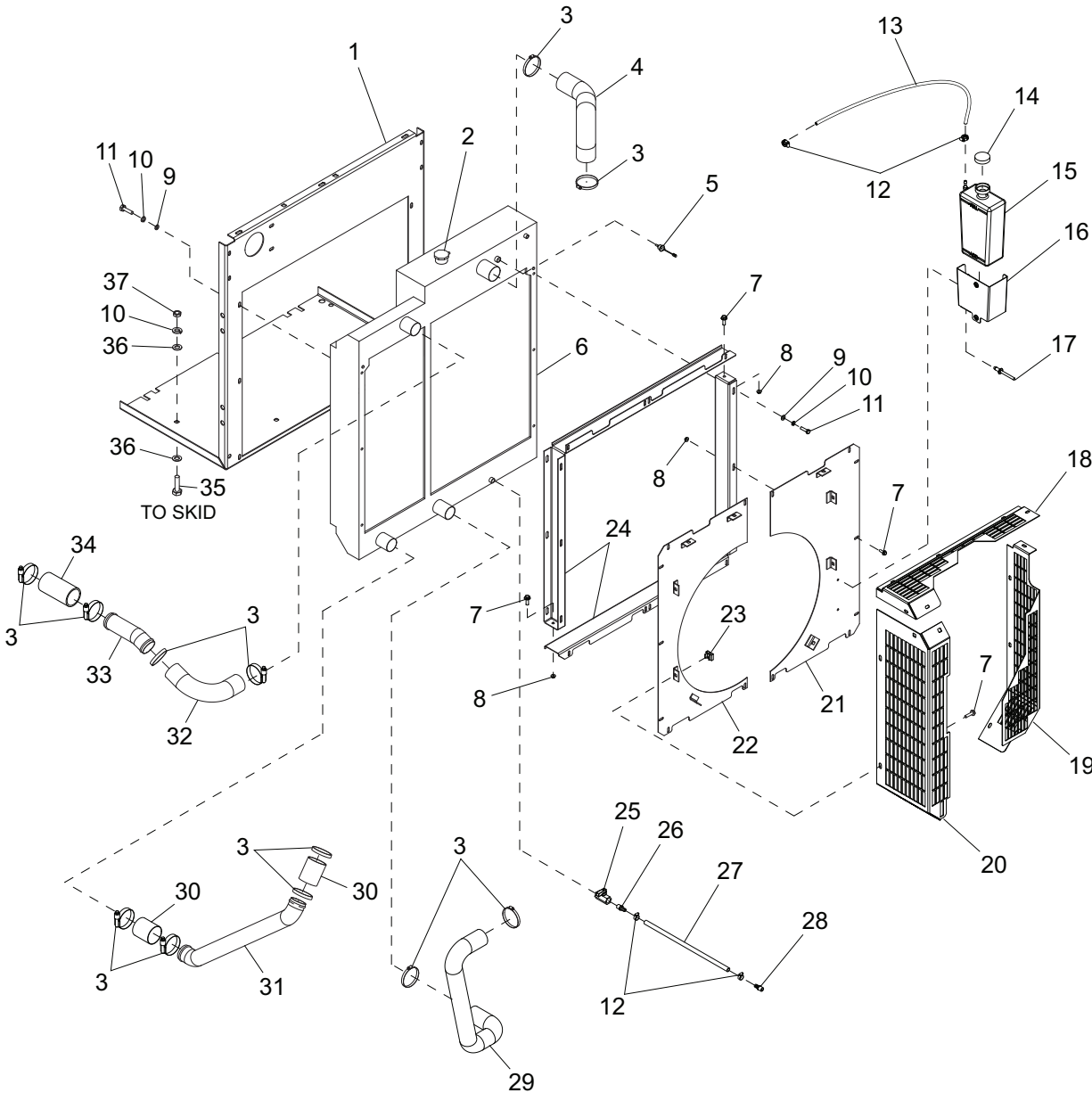
ITEM	PART	QTY	DESCRIPTION	NOTES
1	28509B	1	Panel, top gen box	
2	60051	2	Nut, M4-.70 nylock	
3	60041	10	Washer, flat M5	
4	65590	1	Block, terminal - 12 pos lug type	
5	60023	9	Insert, M6 threaded	
6	28507B	1	Panel, rear gen box	
7	19351	2	Seal, generator box	
8	28505B	1	Bracket, phase switch - 4 pos (YyDZ)	
9	60036	2	Nut, M6-1.00 sflg lock	
10	60159	2	Screw, M4-.70x45 pan hd phil	
11	60038	8	Nut, M5-.80 nylock	
12	60037	4	Screw, M5-0.8x20 pan head phil	
13	65667	1	Switch, phase - 125A, 4 pos (Y,y,D,Z)	
14	60024	9	Screw, M6-1.0x25 sflg hex	
15	28506B	1	Panel, left side gen box	
16	60161	4	Nut, .250-20 sflg	
17	60167	4	Screw, M5-0.8x35 pan hd phil	
18	22283	4	Bolt, flex bolt sandwich mount	
19	28508B	1	Panel, front gen box	
20	65239	1	Strain relief - 1.50 Romex w/nut	
21	14219	1	Strain relief- .75 Romex w/nut	
22	60135	2	Screw, M6-1.0x16 sflg hex	
23	28532B	1	Panel, RH gen box	
24	65491	6	Plug, hole .281x.06 thd black	

SKID ASSEMBLY



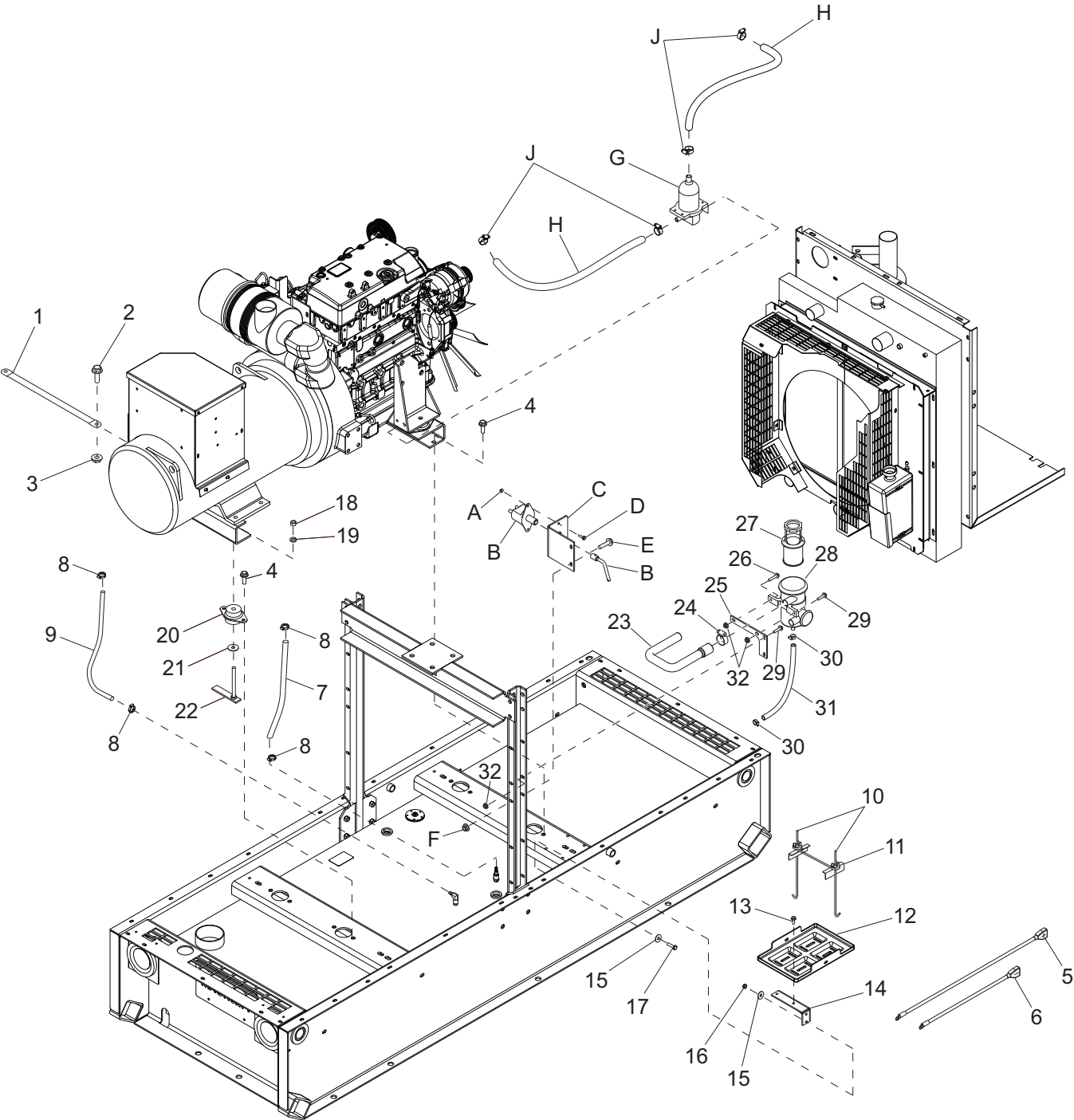
ITEM	PART	QTY	DESCRIPTION	NOTES
1	27739B	1	Weldment, top lift structure	
2	60202	4	Screw, M12-1.75x35 sflg hex	
3	60013	12	Nut, M12-1.75 hex, class 10	
4	60204	12	Washer, .500 split lock	
5	60012	12	Washer, M12 flat	
6	27660B	1	Weldment, skid	
7	22924B	1	Weldment, lift support	
8	60065	4	Screw, M12-1.75x40 sflg hex	
9	Page 19	1	Fuel tank assembly	
10	18394	2	Plug, .500NPT x internal hex	
11	66396	2	Light, clearance, 2.0", amber	
12	66394	5	Grommet, sealed beam light	
13	66397	2	Light, clearance, 2.0", red	
14	66395	1	Light, utility, 2.0", clear	
15	29673B	1	Bracket, rear light, right side	
16	10221	2	Grommet, rear light, rubber 4.5"	
17	10220	2	Light, rear tail/turn, round	
18	29494B	1	Weldment, lift structure	
19	29674B	1	Bracket, rear light, left side	
20	60479	8	Screw, .250-20x1.00 sflg hex	
21	61089	8	Nut, .250-20 U-clip	
A	66702	2	Light, clearance, 2.0" amber	Option: LED
B	66703	2	Light, clearance, 2.0" red	Option: LED
C	66701	2	Light, rear tail/turn, round	Option: LED
D	66704	1	Light, utility, 2.0" clear	Option: LED
E	22570	1	Fitting, strt - .375FNPTx.500MNPT	Option: oil drain (tandem trailer)
F	15396	1	Fitting, 90° -.375MNPTx.375FNPT, brass	Option: oil drain (tandem trailer)
G	19168	1	Hose assy, radiator drain	Option: oil drain (tandem trailer)
H	19300	1	Fitting, pipe, .375 hex cap	Option: oil drain (tandem trailer)
J	19041	1	Clip, spring holder	Option: oil drain (tandem trailer)
K	60231	1	Rivet, .188 dia x .375 to .500 grip range	Option: oil drain (tandem trailer)
L	60237	1	Washer, flat SAE #10	Option: oil drain (tandem trailer)

COOLING SYSTEM ASSEMBLY



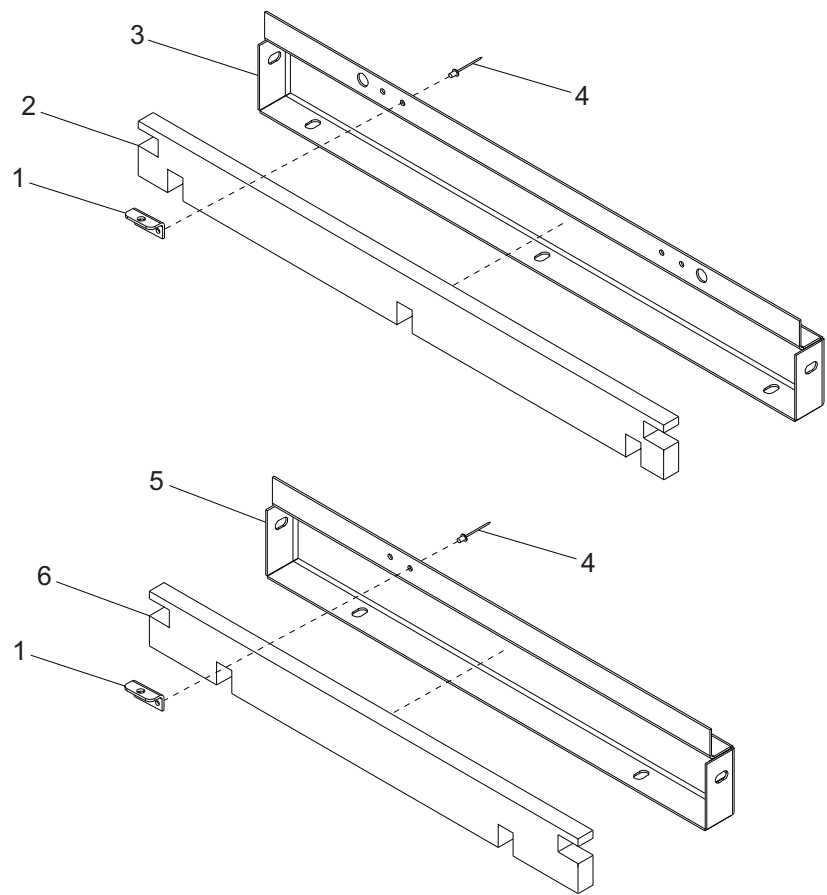
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	27891B	1	Panel, bulkhead	
2	19219	1	Cap, radiator, 14.7 psi	
3	60660	12	Clamp, hose - 1.75-2.625 constant torque	
4	41045	1	Hose, radiator - upper	
5	65592	1	Sensor, low coolant	
6	27675	1	Radiator	
7	60175	26	Screw, .250-20x.50 sflg hex	
8	60161	17	Nut, .250-20 ser flg	
9	60119	12	Washer, flat .312	
10	60271	18	Washer, split lock .312	
11	60168	12	Screw, .312-18x.750 std hex	
12	14216	4	Clamp, hose - miniature	
13	50018	1.66 ft.	Hose - 50 psi	
14	19714	1	Cap, overflow jug	
15	24952	1	Jug, overflow, 2.5 qt.	
16	26211B	1	Bracket, overflow jug	
17	60268	2	Rivet, .188 dia x .126 to .25 grip, SS	
18	27965B	1	Guard, fan belt - top	
19	27958B	1	Guard, fan belt - right	
20	27959B	1	Guard, fan belt - left	
21	27943B	1	Panel, fan shroud - right	
22	27941B	1	Panel, fan shroud - left	
23	15424	9	Nut, .250-20 cage	
24	27767B	2	Radiator shroud	
25	19280	1	Valve, ball .375NPTF	
26	19180	1	Fitting, strt - .375MNPTx.312 barb	
27	50018	.850 ft.	Hose, 50 psi	
28	60999	1	Fitting, strt - .50MNPTx.312 barb, brass	
29	27889	1	Hose, lower radiator	
30	28540	2	Hose, CAC - 2.00 x 4.00" long	
31	27777	1	Pipe, CAC - lower	
32	27775	1	Hose, CAC - 2.00 x 90°	
33	27776	1	Pipe, CAC - upper	
34	27993	1	Hose, CAC - 1.75-2.00x4.00" long	
35	60507	6	Screw, .312-18x1.000 std hex, SS	
36	60340	12	Washer, .312 flat, SS	
37	60285	6	Nut, .312-18 hex	

ENGINE TO SKID ASSEMBLY



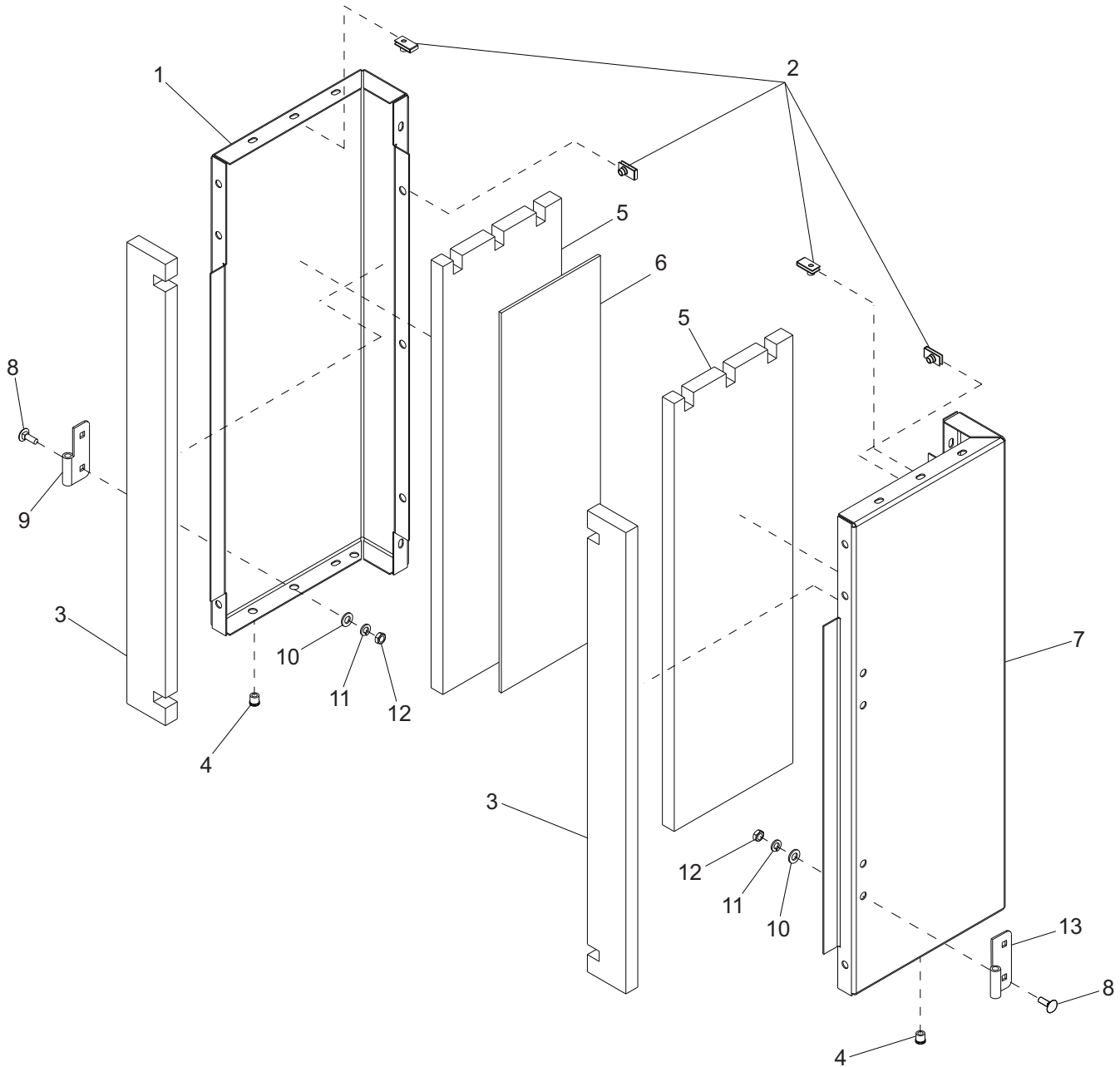
ITEM	PART	QTY	DESCRIPTION	NOTES
1	19042	1	Strap, braided ground - 10"	
2	60018	3	Screw, M10-1.25x20 sflg hex	
3	60064	3	Nut, M10-1.50 sflg lock	
4	60018	6	Screw, M10-1.25x20 sflg hex	
5	24777	1	Cable, red battery 54"	
6	24778	1	Cable, black battery 15"	
7	50018	2.8 ft.	Hose, fuel - .312 ID, 50 psi, SAE 30R7	
8	14216	4	Clamp, hose SAE 04 (.21-.62) mini	
9	50018	2 ft.	Hose, fuel - .312 ID, 50 psi, SAE 30R7	
10	60820	2	Bolt, J - .250-20x9.00	
11	14682	1	Bracket, battery hold down	
12	14145	1	Battery tray	
13	60353	4	Screw, .375-16x1.000 flg hex	
14	27970B	1	Bracket, battery support	
15	60452	4	Washer, .313 flat, SS	
16	60303	2	Nut, .312-18 nylock	
17	60507	2	Screw, .312-18x1.000 std hex, SS	
18	60307	2	Nut, .500-13 nylock	
19	60416	2	Washer, .500 flat 1.375/.090	
20	22788	2	Mount, rubber shock 350 lbs	
21	18085	2	Washer, snubber	
22	27034	2	Weldment, anti-turn bolt 1/2"x3.5"	
23	24170	1	Hose, oil recirculation vent	
24	19453	1	Clamp, hose - SAE 006 (.37-.87)	
25	29698B	1	Bracket, oil recirculation	
26	60516	1	Screw, .312-18x1.25 sflg hex	
27	24552	1	Filter, oil recirculation	
28	24318	1	Kit, oil recirculation	
29	61091	3	Screw, .312-18x1.0 sflg hex	
30	19338	2	Clamp, hose - SAE 016 (.68-1.50)	
31	24171	1	Hose, oil recirculation drain	
32	60095	4	Nut, .312-18 sflg	
A	60036	2	Nut, M6-1.0 sflg lock	Option: battery disconnect
B	21489	1	Battery disconnect switch - 500A cont.	Option: battery disconnect
C	23178B	1	Bracket, battery disconnect	Option: battery disconnect
D	60135	2	Screw, M6-1.0x16 sflg hex	Option: battery disconnect
E	60009	2	Screw, M8-1.25x25 sflg hex	Option: battery disconnect
F	60020	2	Nut, M8-1.25 sflg lock	Option: battery disconnect
G	25914	1	Coolant heater - 120V, 500W	Option: coolant heater
H	50201	6.2 ft.	Hose, coolant - .625 ID	Option: coolant heater
J	60365	4	Clamp, hose - SAE 010 (.56-1.06)	Option: coolant heater

SMALL SIDE & END PANEL ASSEMBLIES



ITEM	PART	QTY	DESCRIPTION	NOTES
1	20916Z	3	Bracket, prop rod	
2	20930	6	Foam, small panel	
3	20888W	6	Panel, small (ALU)	
4	60268	6	Rivet, .188 dia x .126 to .250 grip, SS	
5	20898W	1	Panel, small (left rear) (ALU)	
6	20931	1	Foam, small panel	

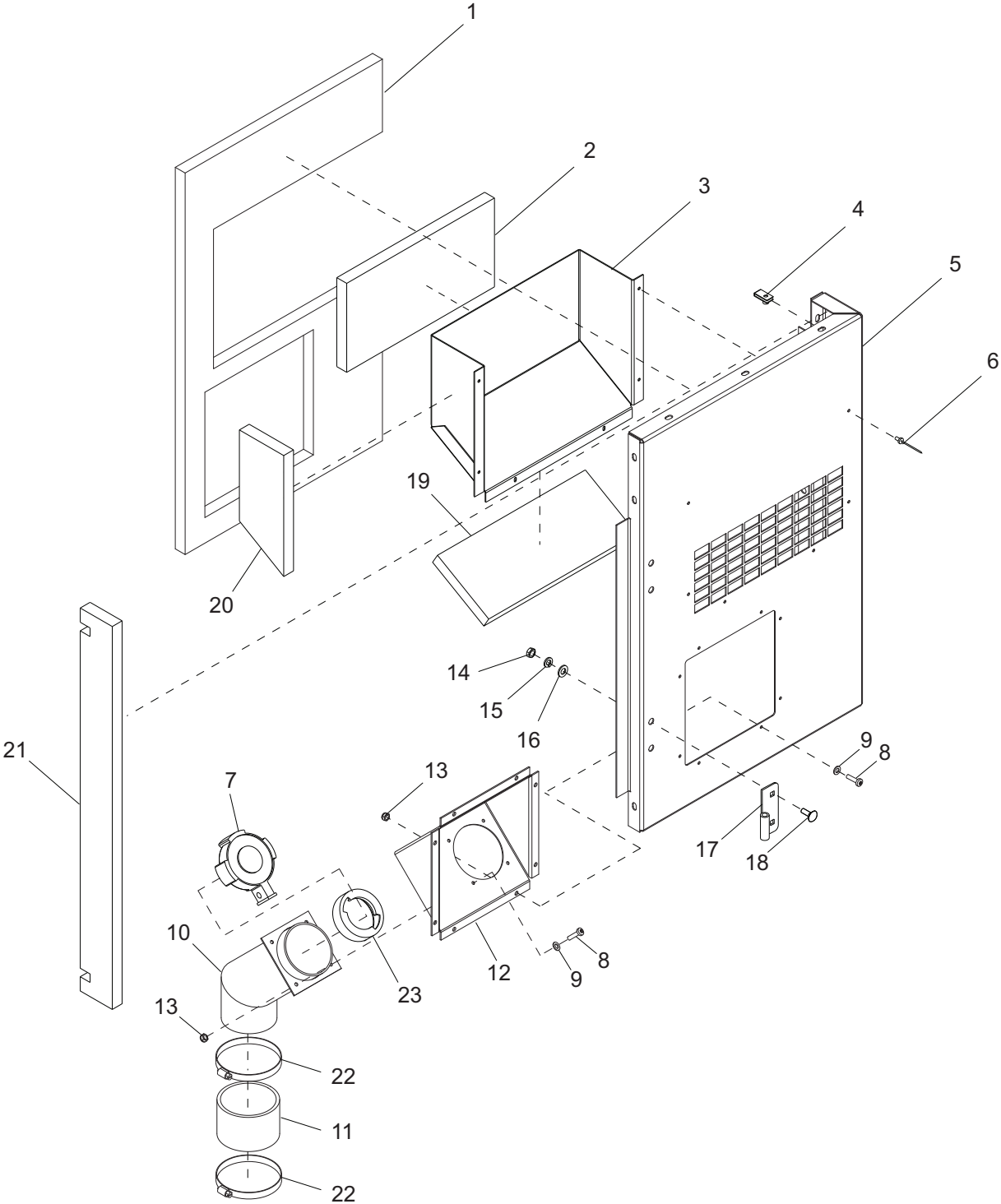
FRONT CORNER ASSEMBLY



ITEM	PART	QTY	DESCRIPTION
1	22782W	1	Panel, left front corner
2	60505	12	Nut, U-clip .312-18
3	20932	2	Foam, corner common
4	60022	8	Insert, M8 threaded
5	22827	2	Foam, left front corner
6	27988	1	Insulation, ceramic
7	22781W	1	Panel, right front corner
8	61066	8	Screw, .312-18x1.00 carr sqr, SS
9	18462	2	Hinge, upper left (female)
10	60243	8	Washer, .25 flat
11	60271	8	Washer, .312 split lock
12	60285	8	Nut, .312-18 hex
13	18460	2	Hinge, upper right (female)

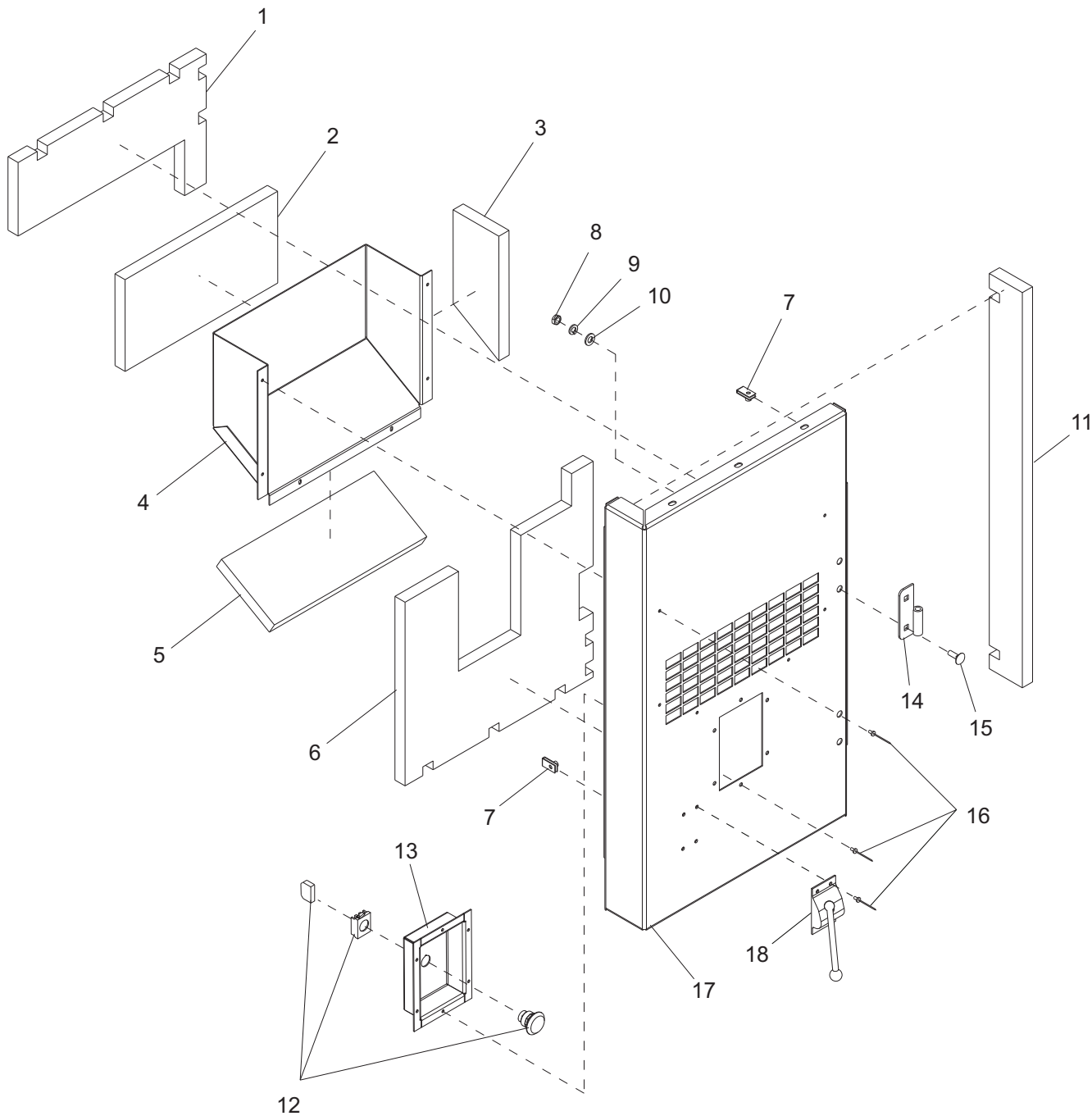
NOTES

LEFT REAR CORNER ASSEMBLY



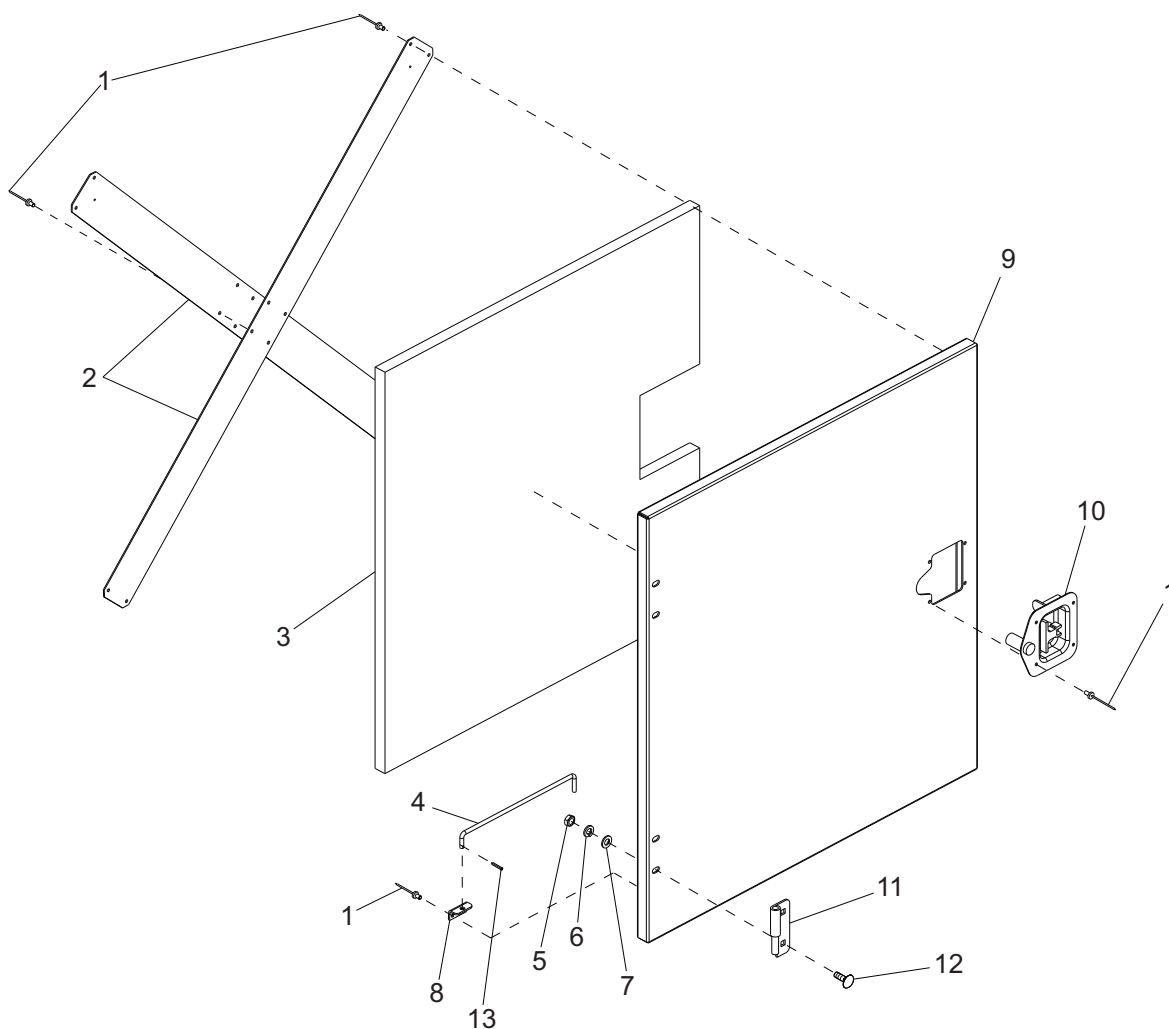
ITEM	PART	QTY	DESCRIPTION	NOTES
1	27744	1	Foam, rear right corner	
2	22843	1	Foam, side air duct	
3	22786W	1	Duct, side air	
4	60505	3	Nut, U-clip .312-18	
5	27742W	1	Panel, left rear corner	
6	60268	6	Rivet, .188 dia x .126 to .250 grip, SS	
7	23707	1	Cap, fuel fill - 3.50	
8	60850	12	Screw, 10-24x.750 pan phil	
9	60067	12	Washer, #10 flat, SS	
10	23710B	1	Weldment, 3.50 fuel fill neck	
11	19612	1	Hose, air/fuel 4.00"	
12	23697B	1	Panel, fuel inlet	
13	60457	12	Nut, 10-24 nylock	
14	60285	4	Nut, .312-18 hex	
15	60271	4	Washer, .312 split lock	
16	60243	4	Washer, .250 flat	
17	18460	2	Hinge, upper right (female)	
18	61066	4	Screw, .312-18x1.00 carr sqr, SS	
19	22844	1	Foam, side air duct - lower	
20	22841	1	Foam, side air duct - right	
21	20932	1	Foam, corner common	
22	19842	2	Clamp, hose - SAE 072 (4.06-5.00)	
23	23830	1	Insert, plastic fuel 3.5"	

RIGHT REAR CORNER ASSEMBLY



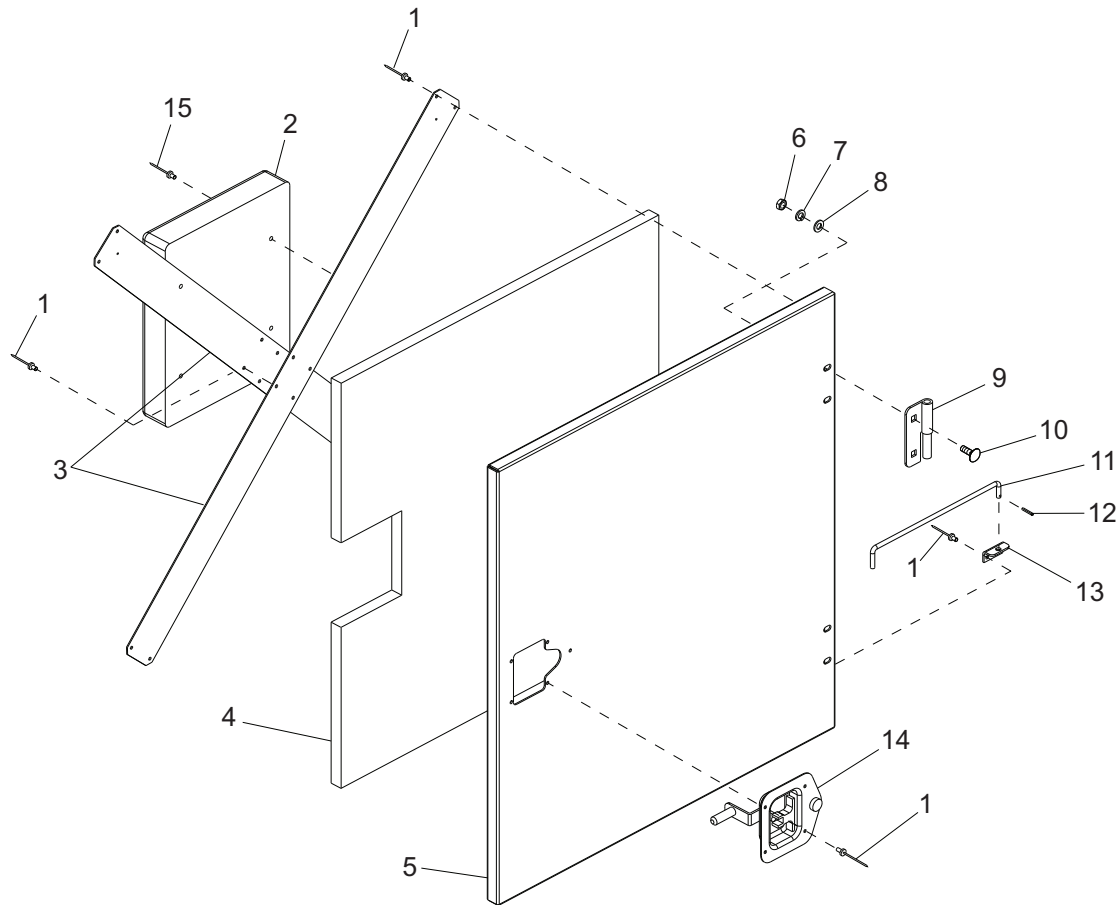
ITEM	PART	QTY	DESCRIPTION	NOTES
1	22839	1	Foam, rear right upper corner	
2	22843	1	Foam, side air duct - face	
3	22842	1	Foam, side air duct - left	
4	22786W	1	Duct, side air	
5	22844	1	Foam, side air duct - lower	
6	22840	1	Foam, rear right lower corner	
7	60505	6	Nut, U-clip - .312-18	
8	60285	4	Nut, .312-18 hex	
9	60271	4	Washer, .312 split lock	
10	60243	4	Washer, .250 flat	
11	20932	1	Foam, corner common	
12	22550	1	Switch, emergency stop	
13	22816B	1	Panel, emergency stop	
14	18462	2	Hinge, upper left (female)	
15	61066	4	Screw, .312-18x1.000 carr sqr, SS	
16	60268	16	Rivet, .188 dia.x.126 to .250 grip, SS	
17	22783W	1	Panel, right rear corner	
18	27703	1	Latch, door prop rod set - plastic	

LEFT FRONT DOOR ASSEMBLY



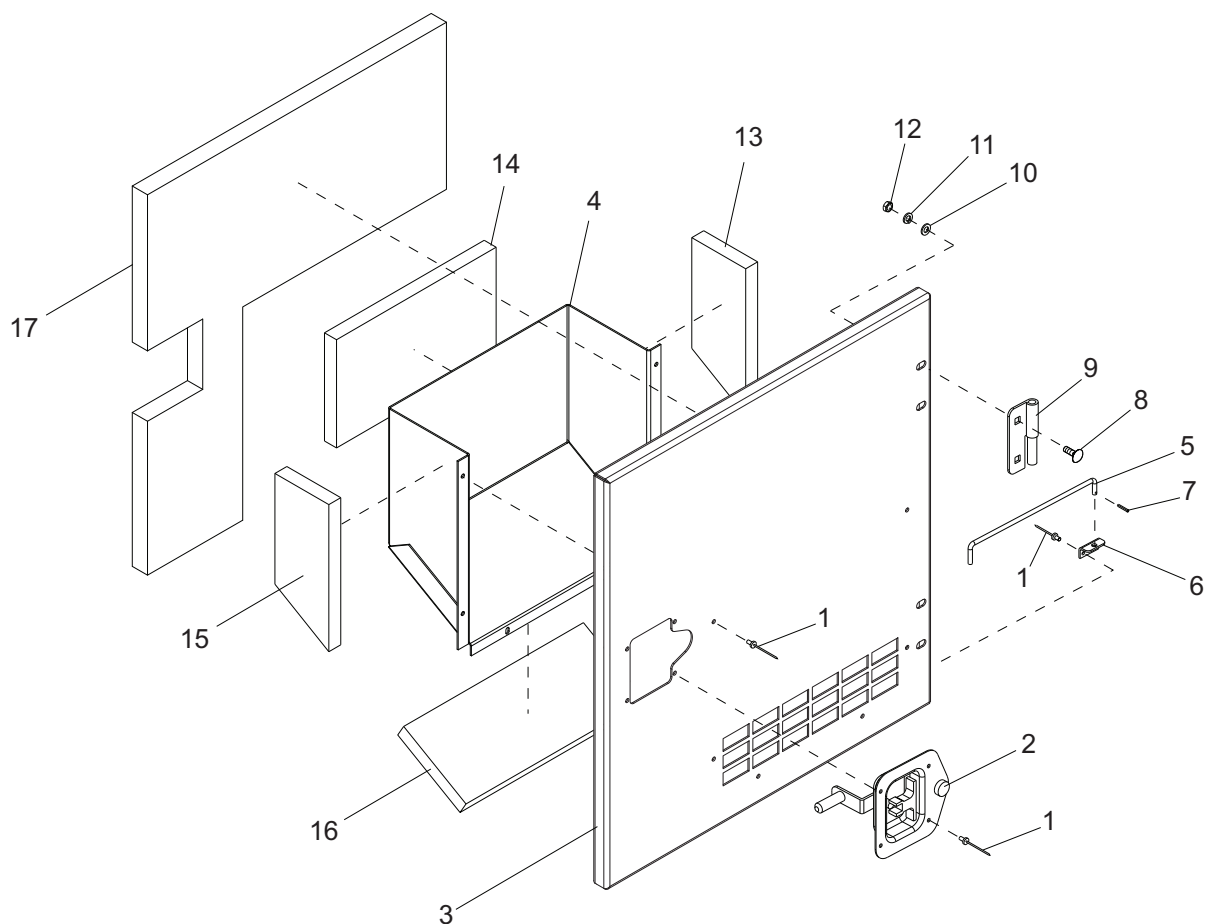
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60268	18	Rivet, .188 dia.x.126 to .250 grip, SS	
2	20952B	2	Brace, door small	
3	20969	1	Foam, door front small	
4	18900ZC	1	Rod, door prop	
5	60285	4	Nut, .312-18 hex	
6	60271	4	Washer, .312 split lock	
7	60243	4	Washer, .25 flat	
8	20916Z	1	Bracket, prop rod	
9	20907W	1	Panel, front - small	
10	22497	1	Latch, T-handle - lft cw lock	
11	18459	2	Hinge, lower left (male)	
12	61066	4	Screw, .312-18x1.00 carr sqr, SS	
13	60048	1	Roll pin, .125x.625	

RIGHT FRONT DOOR ASSEMBLY



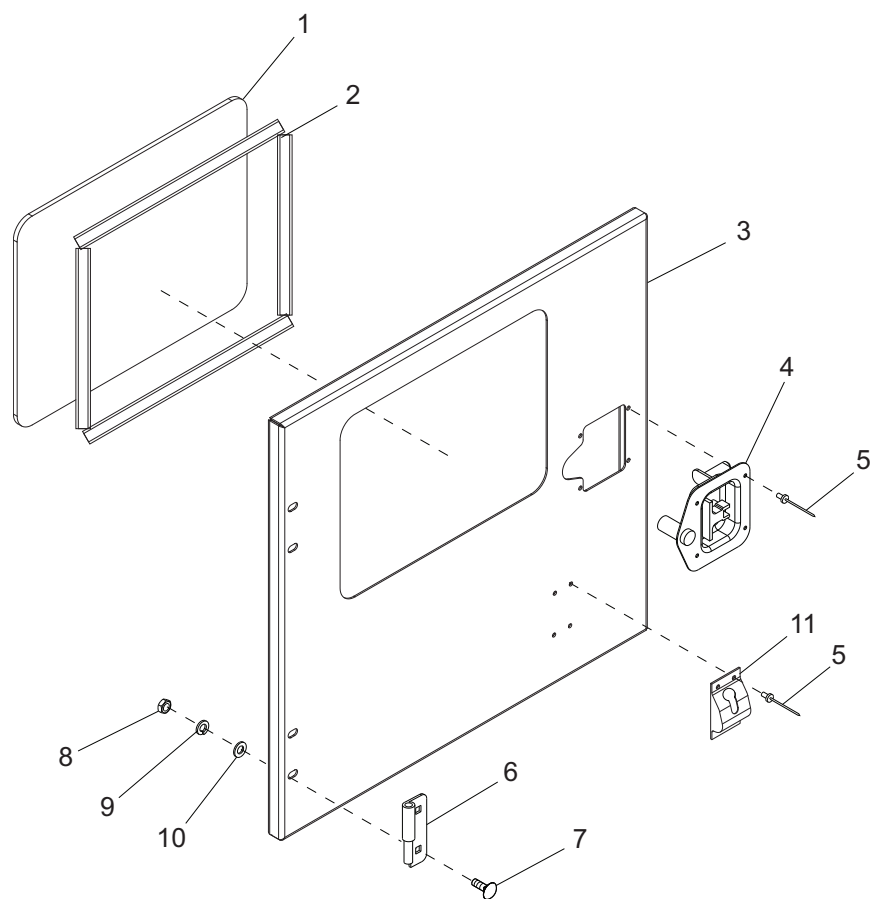
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60268	18	Rivet, .188 dia.x.126 to .250 grip, SS	
2	24540	1	Holder, manual (plastic)	
3	20952B	2	Brace, door small	
4	20969	1	Foam, door front - small	
5	21033W	1	Panel, door front right	
6	60285	4	Nut, .312-18 hex	
7	60271	4	Washer, .312 split lock	
8	60243	4	Washer, .250 flat	
9	18461	2	Hinge, right (male)	
10	61066	4	Screw, .312-18x1.000 carr sqr, SS	
11	18900ZC	1	Rod, door prop	
12	60048	1	Roll pin, .125x.625	
13	20916Z	1	Bracket, prop rod	
14	22498	1	Latch, T-handle - rht ccw lock	
15	60231	4	Rivet, .188 dia.x.375 to .500 grip	

LEFT REAR DOOR ASSEMBLY



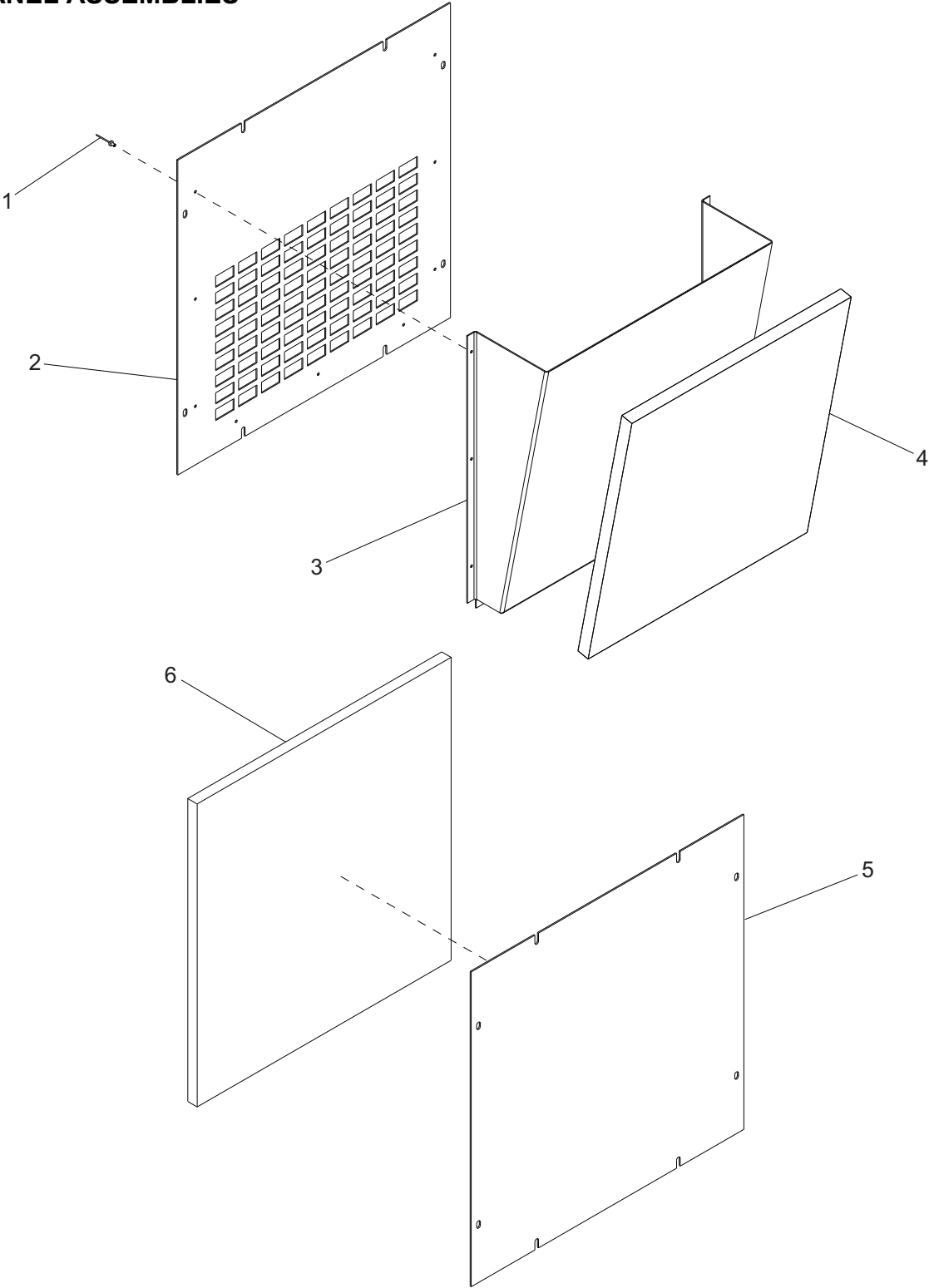
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60268	12	Rivet, .188 dia.x.126 to .250 grip, SS	
2	22498	1	Latch, T-handle - rht ccw lock	
3	22819W	1	Door, rear left	
4	22823W	1	Duct, rear left door	
5	18900ZC	1	Rod, door prop	
6	20916Z	1	Bracket, prop rod	
7	60048	1	Roll pin, .125x.625	
8	61066	4	Screw, .312-18x1.00 carr sqr, SS	
9	18461	2	Hinge, lower right (male)	
10	60243	4	Washer, .25 flat	
11	60271	4	Washer, .312 split lock	
12	60285	4	Nut, .312-18 hex	
13	22842	1	Foam, side air duct - left	
14	22845	1	Foam, door duct - face	
15	22841	1	Foam, side air duct - right	
16	22846	1	Foam, door duct - lower	
17	22831	1	Foam, rear left door	

CONTROL DOOR ASSEMBLY



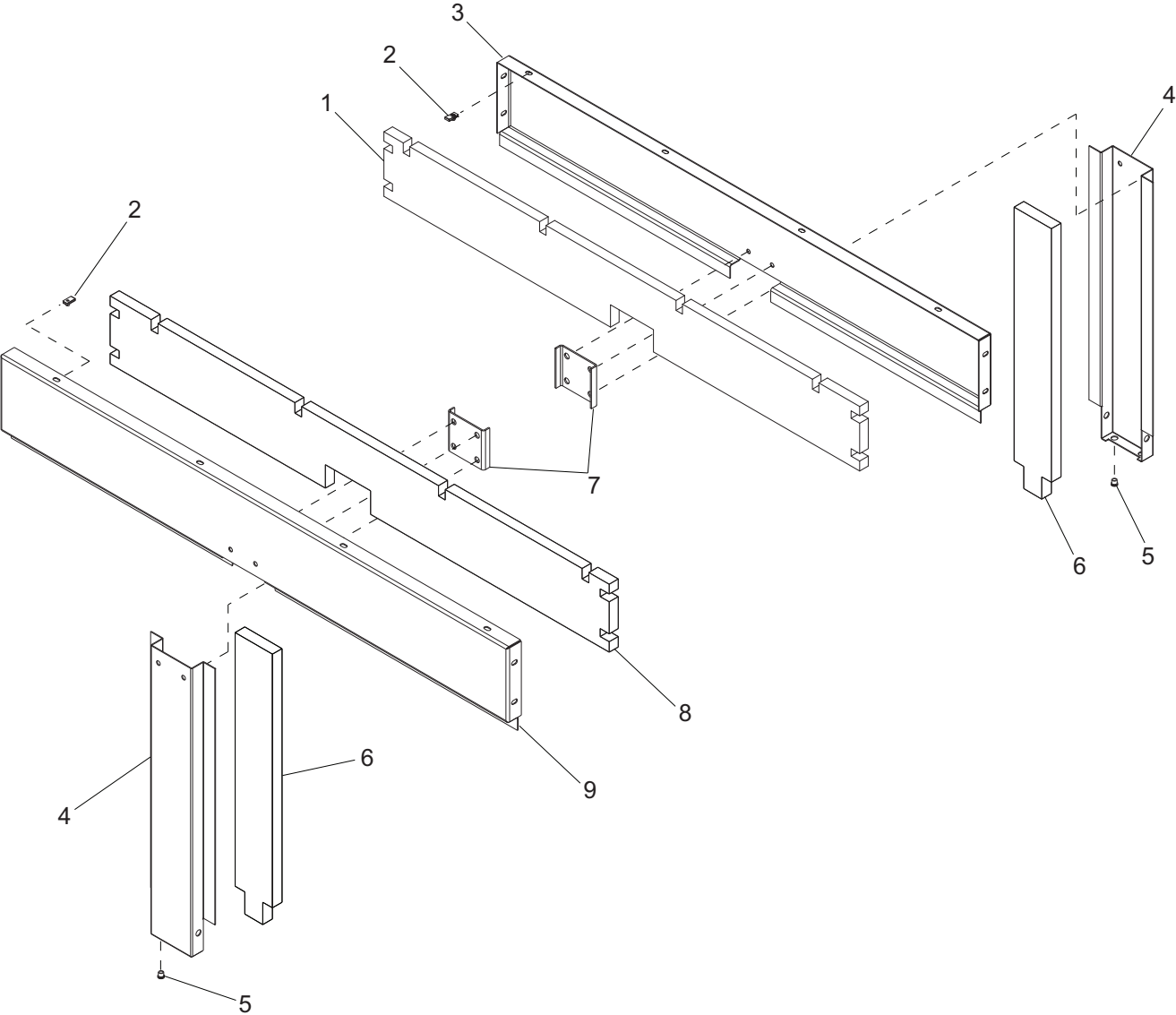
ITEM	PART	QTY	DESCRIPTION	NOTES
1	21477	1	Window, control door	
2	50192	4.58 ft.	Tape, .500" double-sided, VHB	
3	27830W	1	Door, control	
4	27987	1	Latch, T-handle - lft cw lock	
5	60268	10	Rivet, .188 dia.x.126 to .250 grip, SS	
6	18459	2	Hinge , lower left (male)	
7	61066	4	Screw, .312-18x1.00 carr sqr, SS	
8	60285	4	Nut, .312-18 hex	
9	60271	4	Washer, .312 split lock	
10	60243	4	Washer, .25 flat	
11	27703	1	Latch, door prop rod	

END PANEL ASSEMBLIES



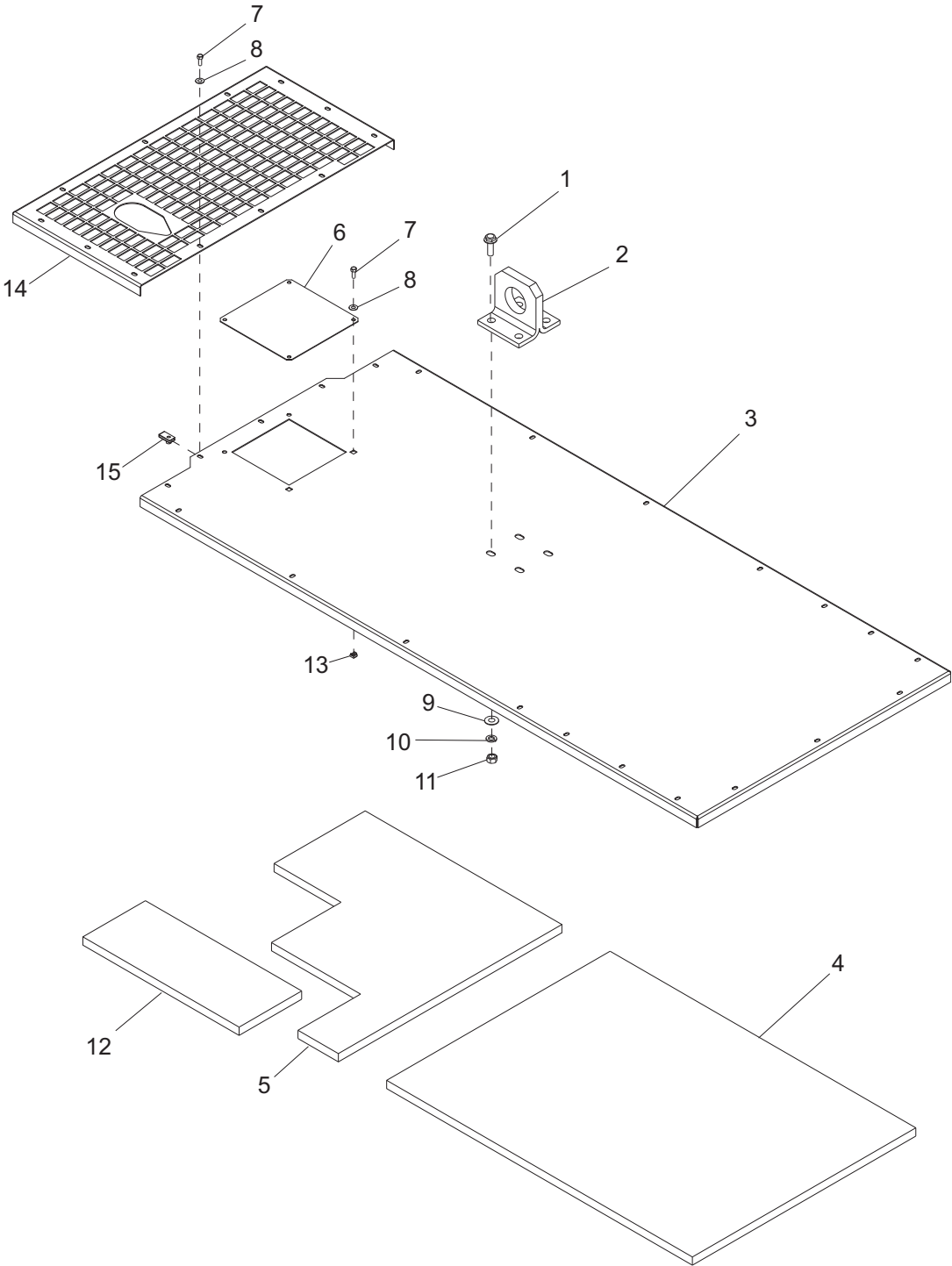
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60268	9	Rivet, .188 dia.x.126 to .250 grip, SS	
2	20877W	1	Panel, rear	
3	22730W	1	Duct, rear	
4	20933	1	Foam, rear duct	
5	20875W	1	Panel, front	
6	20936	1	Foam, front panel	

SIDE PANEL ASSEMBLIES



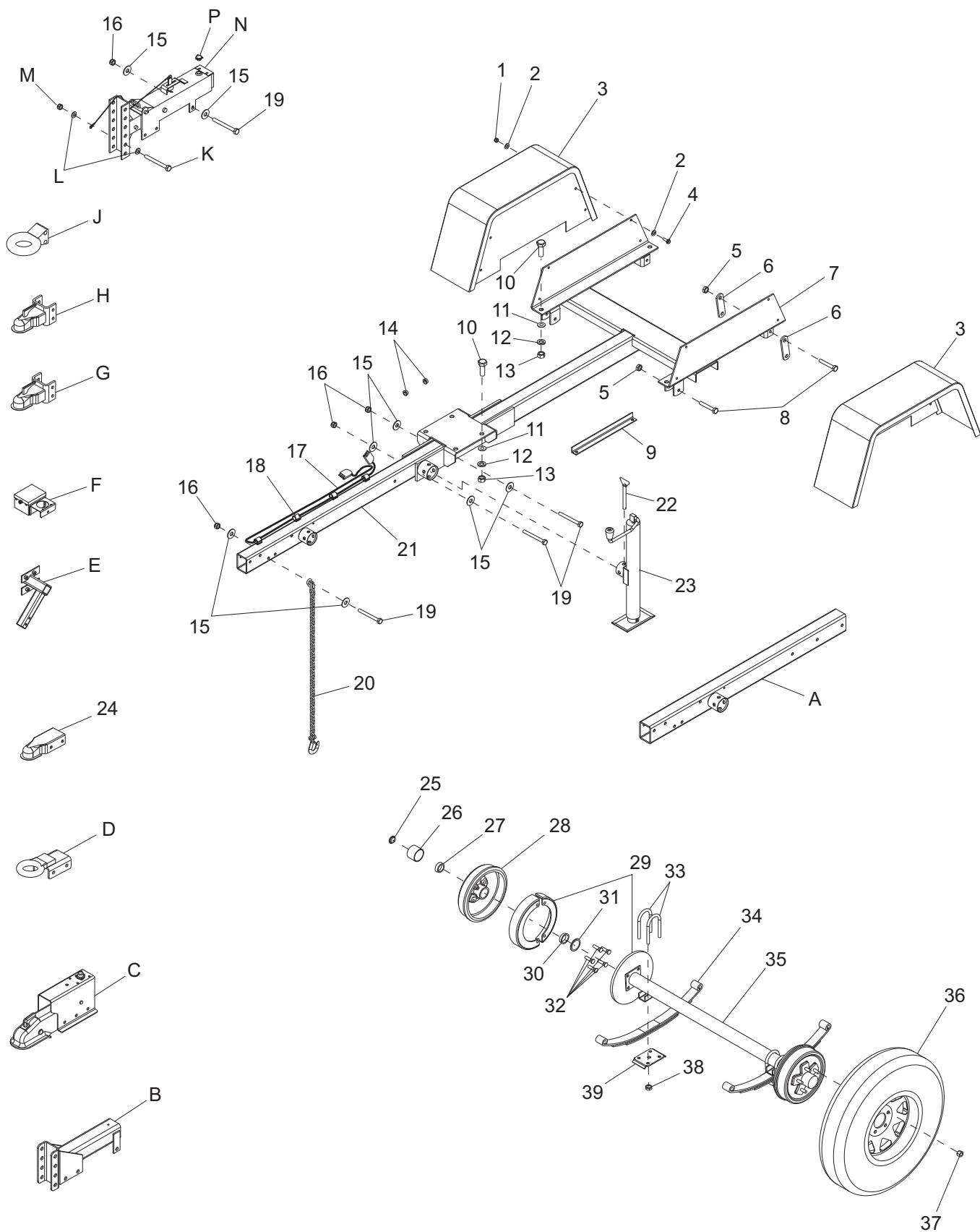
ITEM	PART	QTY	DESCRIPTION	NOTES
1	20925	1	Foam, top side right	
2	60505	8	Nut, U-clip .312-18	
3	20890W	1	Panel, top side right	
4	20896W	2	Panel, center side	
5	60022	4	Insert, M8 threaded	
6	20929	2	Foam, center side	
7	20906W	2	Bracket, side stiffener	
8	20926	1	Foam, top side left	
9	20891W	1	Panel, top side left	

ROOF ASSEMBLY



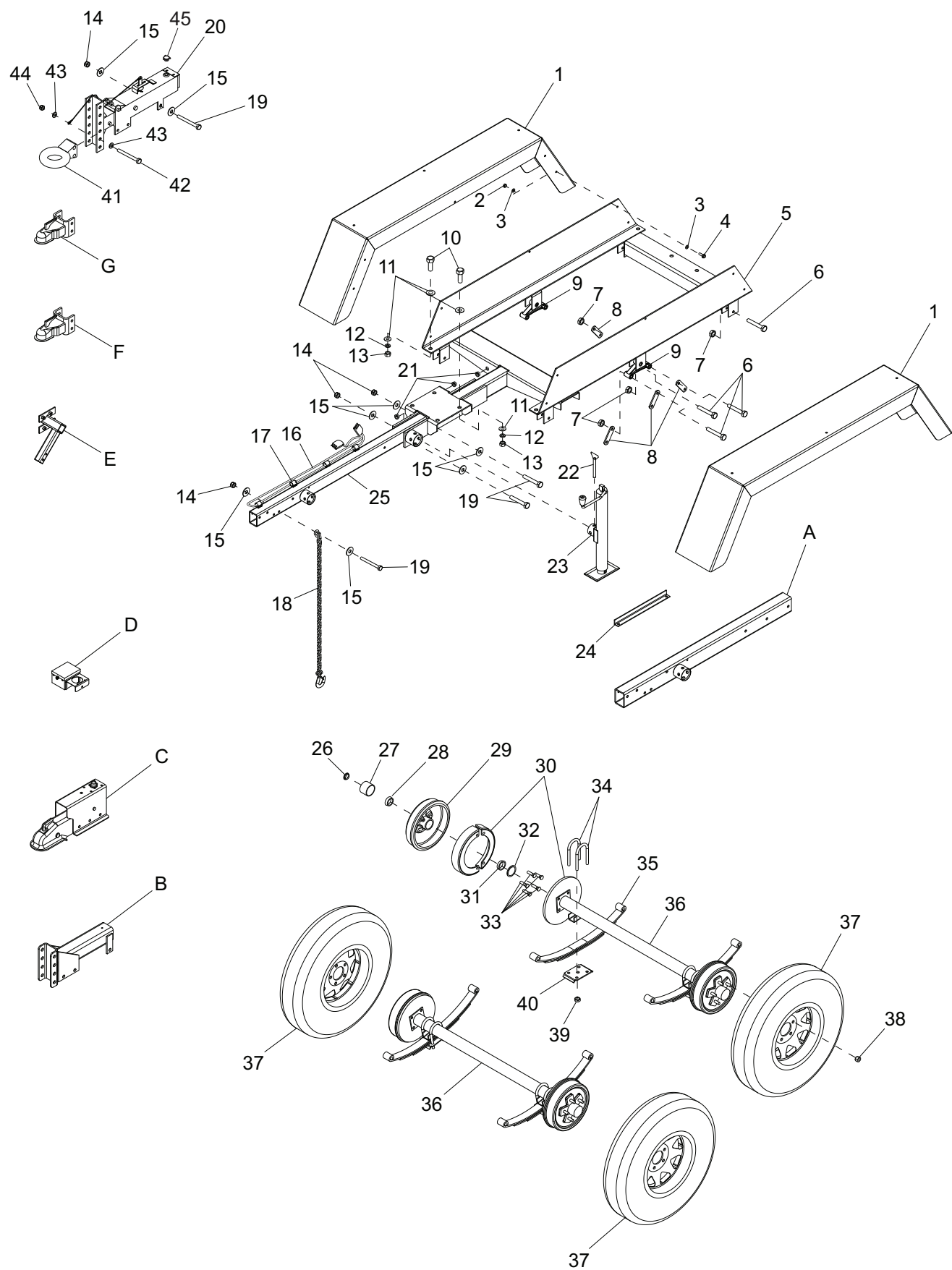
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60065	4	Screw, M12-1.75x40 sflg hex	
2	22936B	1	Bracket, lifting eye	
3	27745W	1	Panel , roof	
4	29570	1	Foam, rear roof	
5	29571	1	Foam, front roof	
6	25053W	1	Panel, back access	
7	60507	4	Screw, .312-18x1.000 std hex, SS	
8	60452	4	Washer, flat .313x1.125, SS	
9	60012	4	Washer, M12 flat	
10	60204	4	Washer, .500 split lock	
11	60013	4	Nut, M12-1.75 hex class 10	
12	23361	1	Insulation, ceramic roof	
13	15425	2	Nut, .312-18 cage	
14	27746B	1	Panel, roof insert	
15	60505	24	Nut, U-clip .312-18	

TRAILER ASSEMBLY - SINGLE AXLE



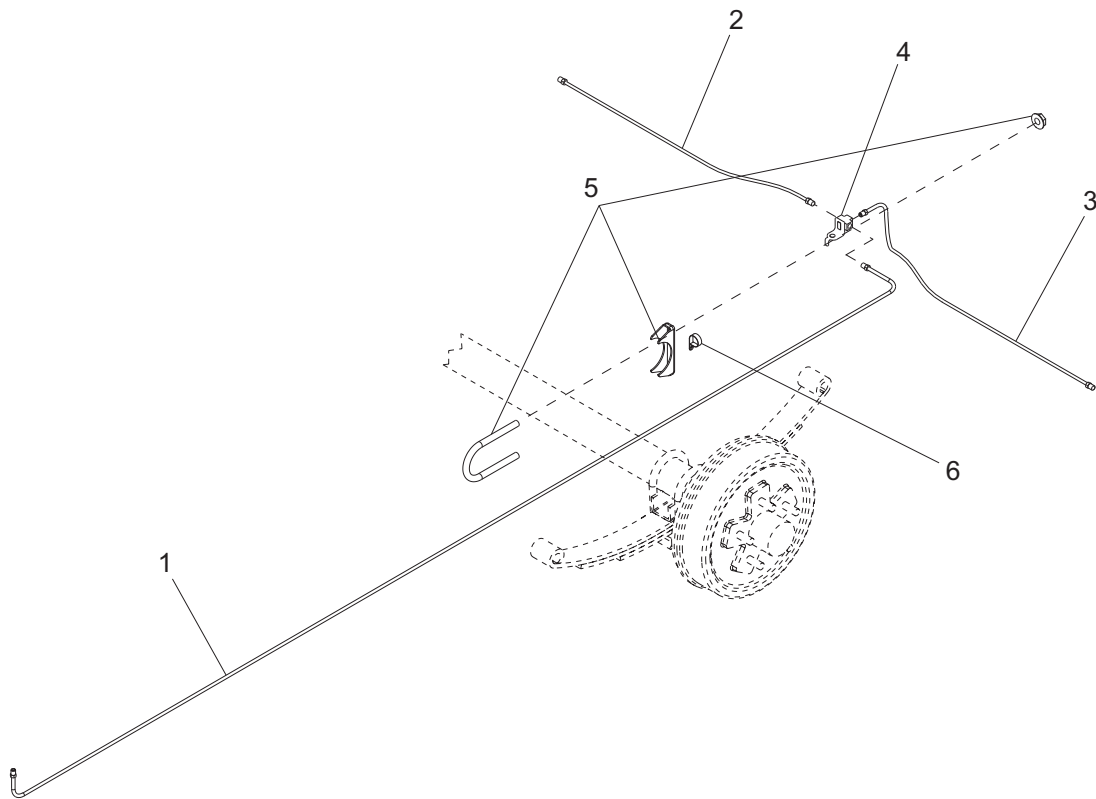
ITEM	PART	QTY	DESCRIPTION	NOTES
1	60140	8	Nut, .375-16 hex hd	
2	60386	16	Washer, flat .375	
3	22743B	2	Fender, single wheel	
4	60179	8	Screw .375-16x.750 hex hd	
5	60504	6	Nut, .562-18 hex	
6	19637	4	Plate, shackle bracket	
7	24811B	1	Weldment, trailer chassis	
8	60503	6	Screw, shackle .562-18x3.0 std hex	
9	24691B	1	Brace, tongue shipping	
10	60383	6	Screw, .750-10x1.50 std hex	
11	60247	6	Washer, flat .750	
12	60248	6	Washer, split lock .750	
13	15293	6	Nut, .750-10 hex	
14	22340	2	Bushing, 1.00 ODx.75 ID	
15	60309	14	Washer, flat .500	
16	60307	7	Nut, .500-13 nylock	
17	23205	1	Harness, trailer	
18	61010	7	Clamp, tubing - .375 heavy duty	
19	60659	7	Screw, .5-13x5.0 std hex	
20	23367	2	Chain, safety - 7,800 lb rated	
21	24812B	1	Weldment, flip tongue	Non-adjustable actuator/hitch
22	23256	1	Pin, jack - tube mounted	
23	23254	1	Jack, top wind - 2000 lb tube-mounted	
24	15103	1	Coupler, 2" ball/3" channel	Non-adjustable
25	11254	2	Plug, grease cap - for zerk	
26	23170	2	Cap, grease - 5000 lb	
27	24831	2	Roller bearing - outer	
28	26452	2	Brake drum assy - 12" 6 on 5.5"	
29	26572	2	Surge brake assy, RH	
	26571	2	Surge brake assy, LH	
	26574	2	Electric brake assy, RH	Option
	26573	2	Electric brake assy, LH	Option
30	24830	2	Roller bearing - inner	
31	24832	2	Bearing seal - axle, 5,000 lb	
32	60963	12	Stud, wheel - axle	
33	40875	4	U-bolt, axle	
34	23912	2	Spring, axle 5000 lb.	
35	22877	1	Axle, 5000#, hydraulic	
	22876	1	Axle, 5000#, electric	Option
36	18377	2	Wheel, ST225/75R15	
37	60096	12	Nut, .500-20 wheel lug	
38	26441	8	U-bolt nut, 1/2-20 plated	
39	40874	2	Tie plate, axle	
40	30248	1	Cap, actuator, sealed	
A	24824B	1	Weldment, flip tongue, adj	Option: adjustable actuator/hitch
B	19379B	1	Weldment, hitch 4 pos	Option: adjustable hitch, elec
C	24304	1	Actuator, hyd surge brake - 2" ball	Option: 2" ball
D	11032	1	Weldment, lunette ring - 3" ID	Option: non-adjustable
E	12235B	1	Weldment, spare tire holder	Option
F	19417	1	Breakaway kit	Option
G	19518	1	Coupler, 2" ball for adj hitch	Option: adjustable
H	19519	1	Coupler, 2.31" ball	Option: adjustable
J	19335B	1	Coupler, lunette ring - 3" adj	Option: adjustable
K	60239	2	Screw, .625-11x5.0 std hex	Option: adjustable
L	60180	4	Washer, flat .625	Option: adjustable
M	60240	2	Nut, .625-11 nylock	Option: adjustable
N	40529	1	Actuator, hyd surge brake - adj	Option: adjustable actuator, hyd

TRAILER ASSEMBLY - TANDEM AXLE



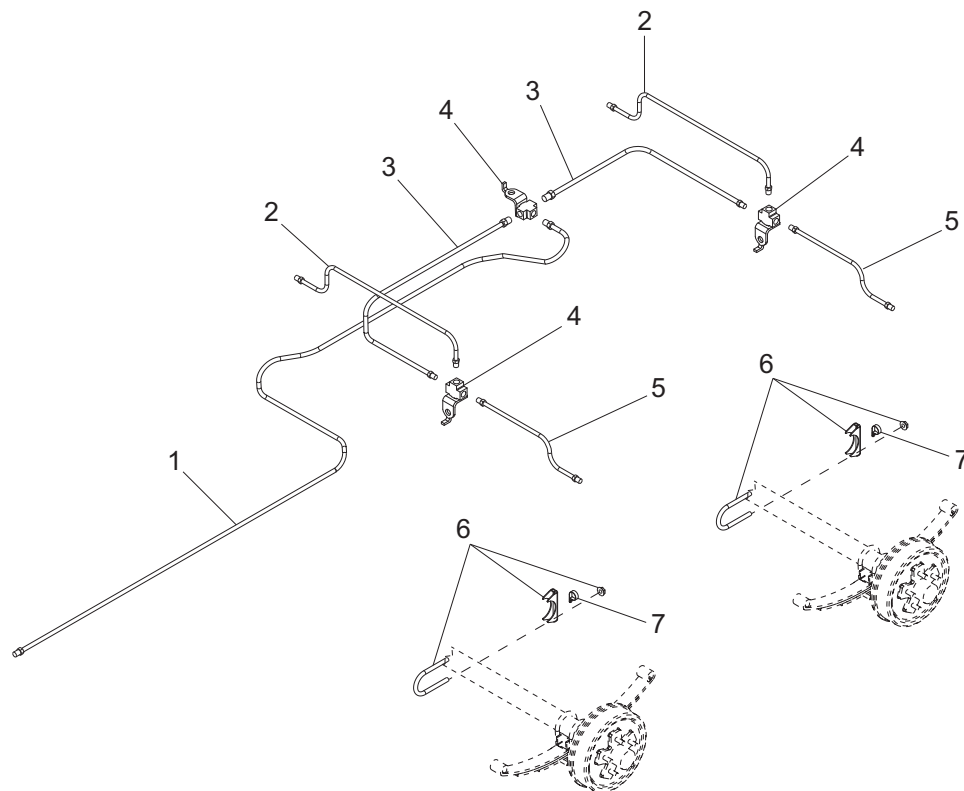
ITEM	PART	QTY	DESCRIPTION	NOTES
1	22976B	2	Weldment, fender tandem	
2	60140	10	Nut, .375-16 hex hd	
3	60386	20	Washer, flat .375	
4	60179	10	Screw, .375-16x.750 std hex	
5	24789B	1	Weldment, trailer - flip tonque	
6	60503	14	Screw, shackle - .562-18x3.0 std hex	
7	60504	14	Nut, .562-18 lock hex	
8	19637	8	Plate, shackle bracket	
9	40545	2	Equalizer, tandem axle	
10	60383	6	Screw, .750-10x1.500 hex hd	
11	60247	12	Washer, flat .750	
12	60248	6	Washer, split lock .750	
13	15293	6	Nut, .750-10 hex	
14	60307	5	Nut, .500-13 nylock	
15	60416	4	Washer, flat .500	
16	23205	1	Harness, trailer	
17	16143	5	Clamp, tubing - .500	
18	23367	2	Chain, safety - 7,800 lb rated	
19	60659	7	Screw, .50-13x5.0 std hex	
20	40529	1	Actuator, hyd surge brake	Adjustable
21	22340	4	Bushing, 1.00 ODx.75 ID	
22	23256	1	Pin, jack - 2000 lb tube-mounted	
23	23254	1	Jack, top wind - 2000 lb tube-mounted	
24	24691B	1	Brace, tongue shipping	
25	24824B	1	Weldment, flip tongue	For adjustable actuator/hitch
26	11254	4	Plug, grease cap - for zerk	
27	11253	4	Cap, grease	
28	40956	4	Outer bearing	
29	12311	4	Brake drum - 10" 5 on 4.5"	
30	40765	4	10" Surge brake assy, RH	
	40764	4	10" Surge brake assy, LH	
	26443	4	10" Electric brake assy, RH	Option
	26442	4	10" Electric brake assy, LH	Option
31	40954	4	Inner bearing, axle	
32	12307	4	Bearing seal	
33	60674	20	Stud, wheel - .500-20	
34	11277	8	U-bolt, axle - 3500 lb	
35	11280	4	Leaf spring 3500 lb	
36	19421	2	Axle, 3500 lb. hydraulic	
	19422	2	Axle, 3500 lb. electric	Option
37	15540	4	Wheel, ST205/75R15	
38	60096	20	Nut, .500-20 wheel lug	
39	26441	16	Net, U-bolt 1/2-20	
40	11278	4	Tie plate, 3500 lb	
41	19335B	1	Coupler, lunette ring - 3" ID	For adjustable actuator/hitch
42	60239	2	Screw, .625-11x5.0 std hex	
43	60180	4	Washer, flat .625	
44	60240	2	Nut, .625-11 nylock	
45	30248	1	Cap, actuator, sealed	
A	24812B	1	Weldment, flip tongue	Option: non-adj actuator/hitch
B	19379B	1	Weldment, hitch 4 pos	Option: adjustable hitch, elec
C	24304	1	Actuator, hyd surge brake	Option: 2" ball
D	19417	1	Breakaway kit	Option
E	12235B	1	Weldment, spare tire holder	Option
F	19519	1	Coupler, 2.31" ball	Option: adjustable
G	19518	1	Coupler, 2.00" ball	Option: adjustable

BRAKE LINES - SINGLE AXLE



ITEM	PART	QTY	DESCRIPTION	NOTES
1	24688	1	Hose, brake - .188x136.00 male/male	
2	40495	1	Line, brake - .188x20.00	
3	40494	1	Line, brake - .188x30.00	
4	19252	1	Fitting, .188 - brake line T w/bracket	All female
5	61028	1	Clamp, muffer - 2.50 lt duty	U-bolt & saddle
6	61010	1	Clamp, tubing - .375 heavy duty, .375 bolt	

BRAKE LINES - TANDEM AXLE



ITEM	PART	QTY	DESCRIPTION	NOTES
1	24688	1	Hose, brake - .188x136.00 male/male	
2	40494	2	Line, brake - .188x30.00	
3	40817	2	Hose, brake - .188x33.00 male/male	
4	19252	3	Fitting, .188 - brake line T w/bracket	All female
5	40495	2	Line, brake - .188x20.00	
6	61028	2	Clamp, muffler - 2.50 lt duty	U-bolt & saddle
7	61010	2	Clamp, tubing - .375 heavy duty, .375 bolt	

REV: A
PART NO: 27894
02.27.12