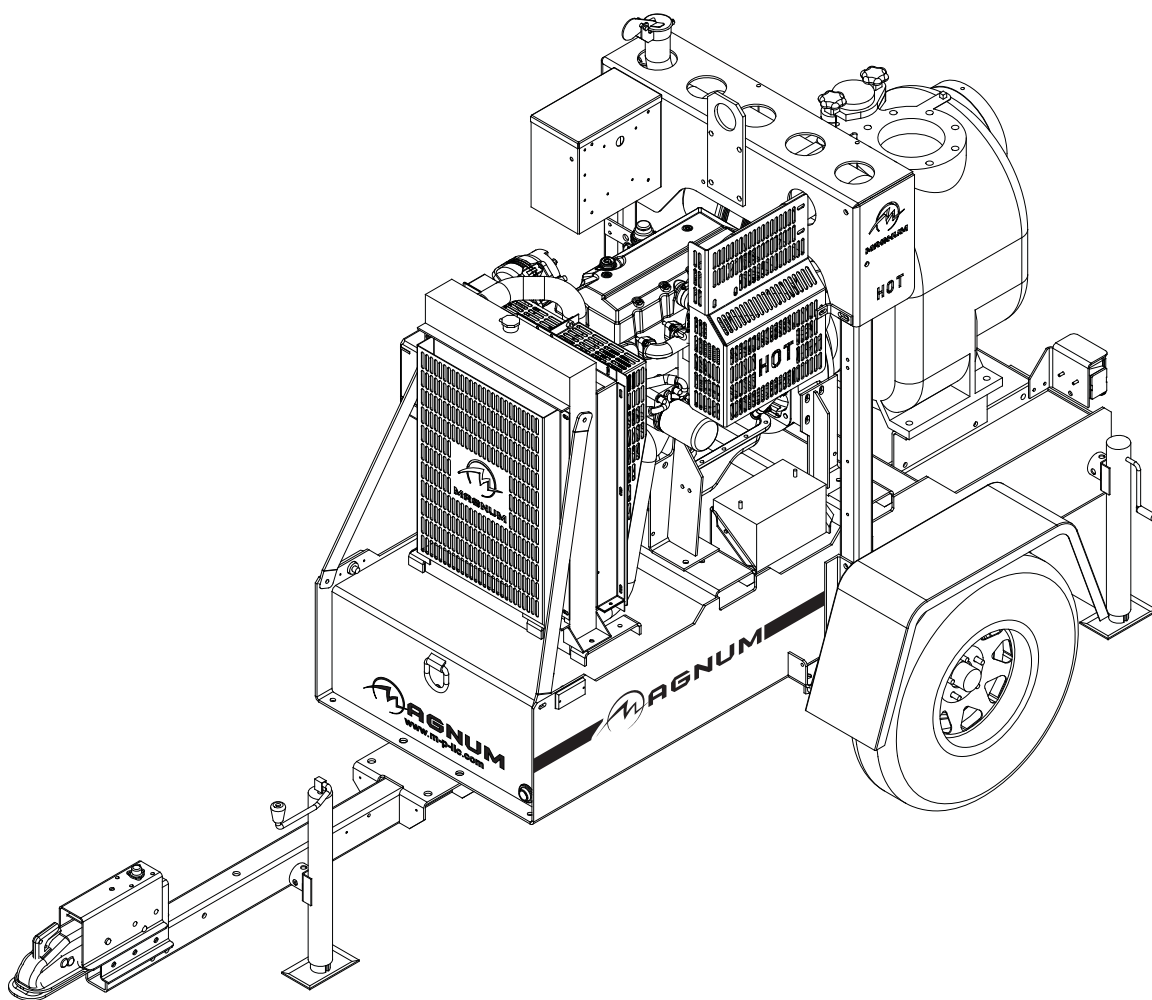




SELF-PRIME DIESEL TRASH PUMP MTP4000S



PARTS MANUAL

INTRODUCTION

Before servicing this machine, make sure the engine start switch is turned to 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.

▲ 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: _____
Pump Make: _____
Pump Model Number: _____
Pump Serial Number: _____
Unit Model Number: _____
Unit Serial Number: _____

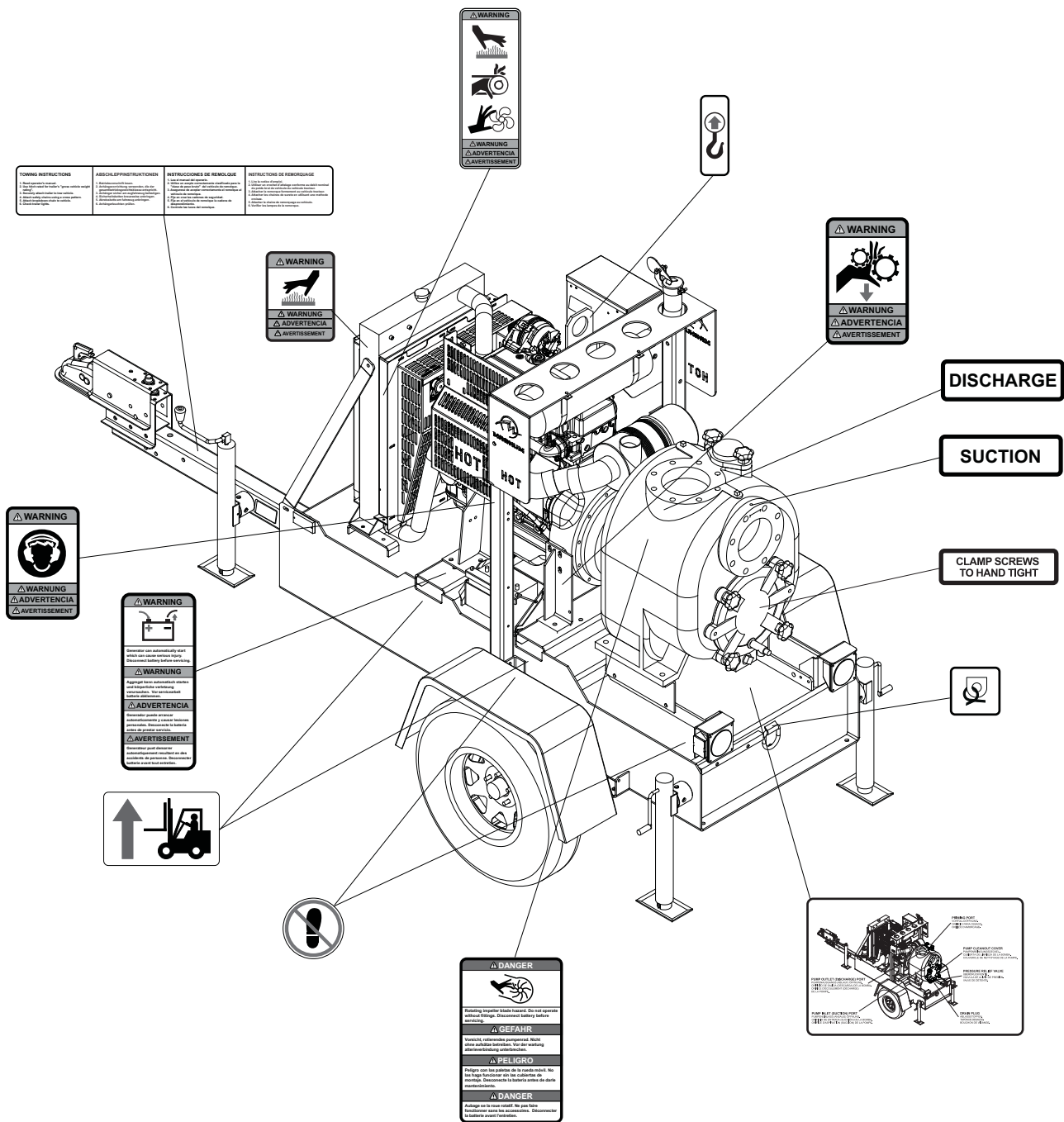
▲ WARNING

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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UNIT DECALS



Magnum logo w/ red stripe
Part Number 11174



Magnum logo w/ web
Part Number 11275

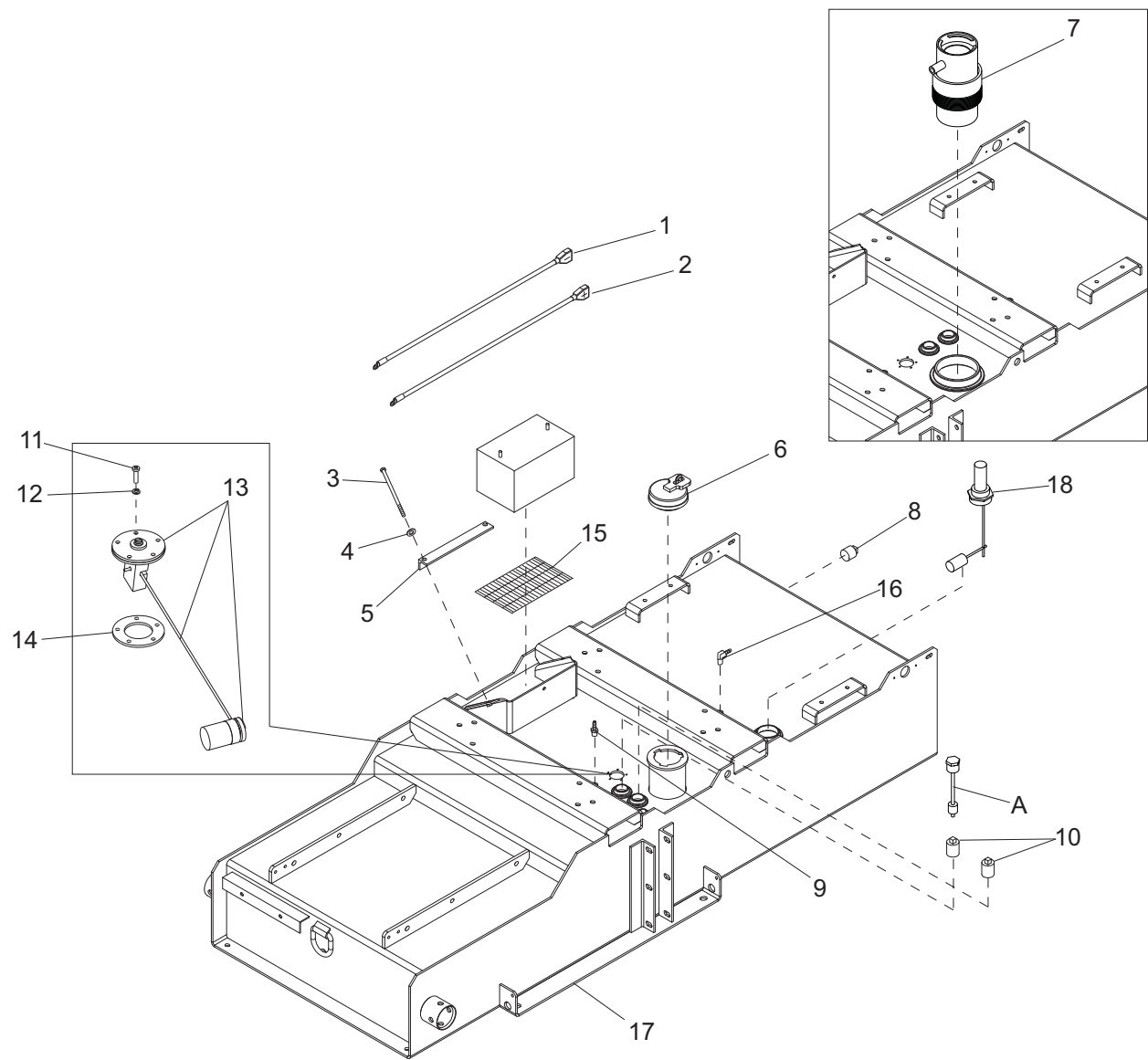
Note: All safety and operating decals shown above are located on decal sheet 41201, unless otherwise noted.

Note: All safety and operating decals shown above are located on decal sheet 41201, unless otherwise noted.



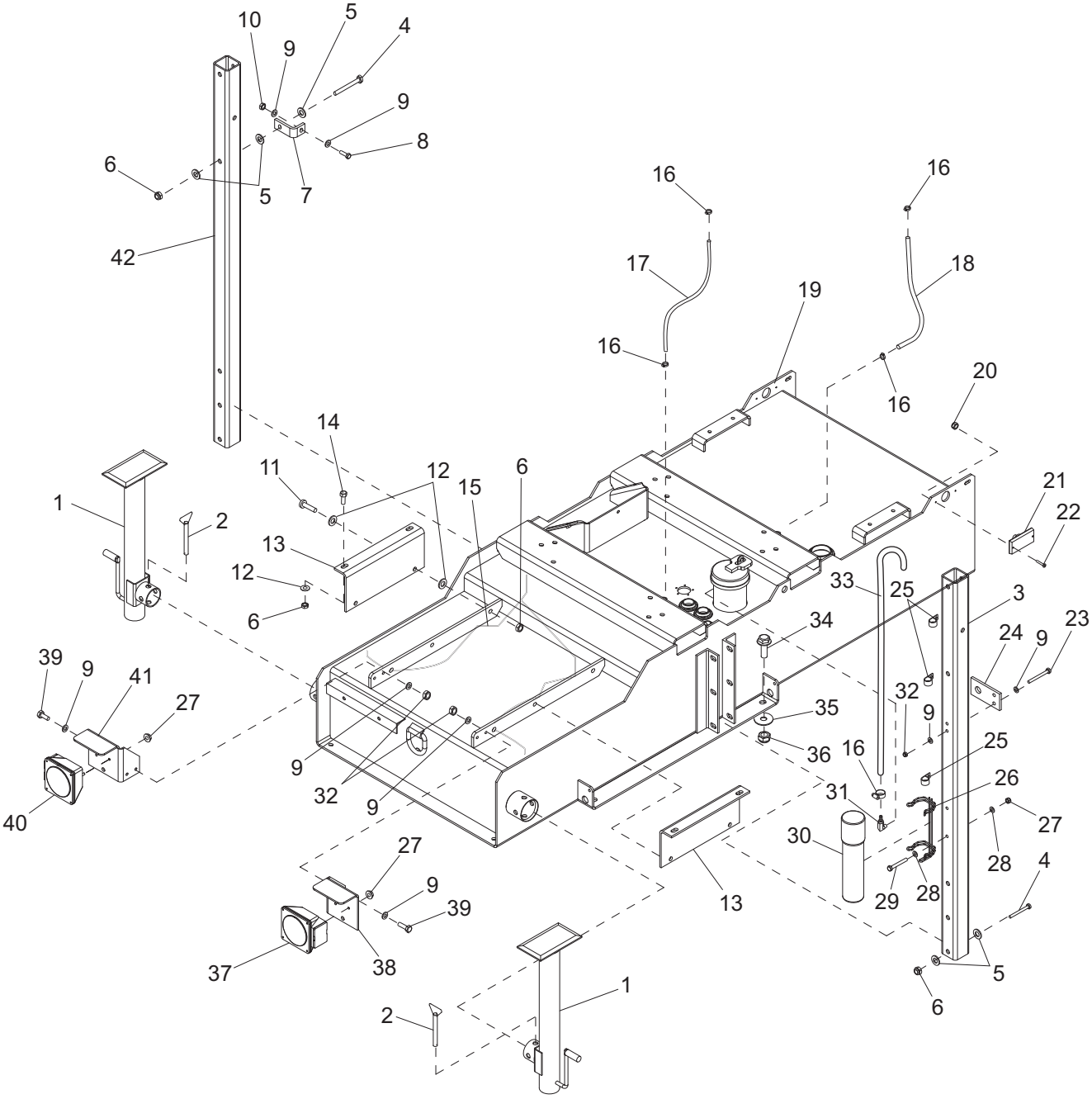
Magnum logo w/ web
Part Number 11275

FUEL TANK ASSEMBLY



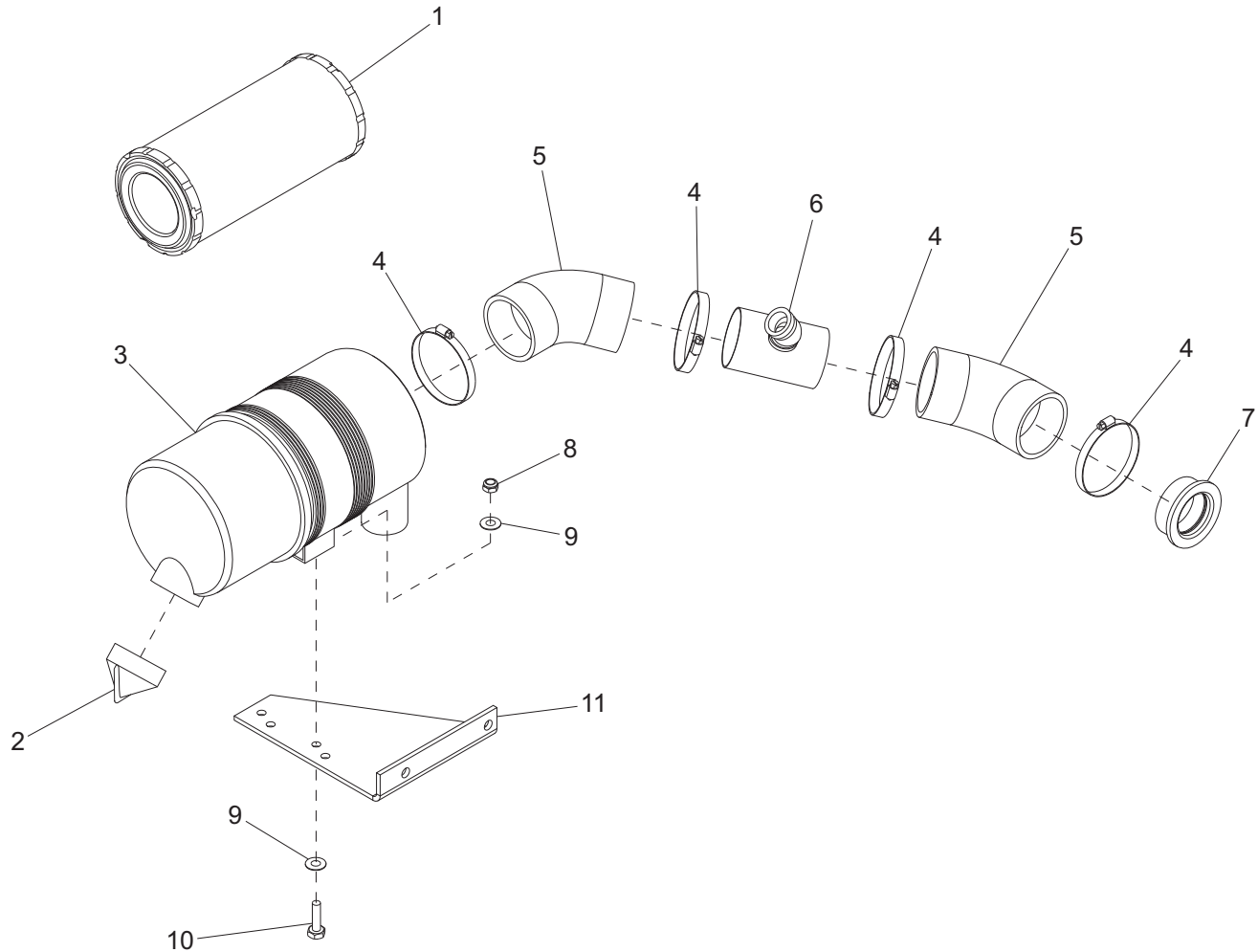
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	65686	1	Cable, battery - black	
2	65687	1	Cable, battery - red	
3	60845	1	Screw, .312-18x7.000 hx	
4	60119	2	Washer, flat .312	
5	41055B	1	Bracket, battery tie-down	
6	23707	1	Cap, fuel fill - 3.50	
7	41275B	1	Weldment, filler neck	End SN: 1107255
8	60498	1	Plug, 1.00 NPT square drive	
9	15142	1	Fitting, .250NPT x .312 barb	
10	60988	2	Plug, 1.00 NPT square drive	
11	60062	5	Screw, pan hd phil	
12	60252	5	Washer, split lock #10	
13	20571	1	Sender, fuel - 10-15" tank	
14	22323	1	Gasket, fuel sending unit	
15	41185	1	Battery pad - black pillow	
16	15693	1	Fitting, 90° elbow	
17	41278B	1	Weldment, fuel tank/chassis	
18	21129	1	Gauge, fuel - mechanical 11" ge(mid)	Start SN: 1107255
A	65804	1	Switch, float - 12.50 N.O.	Optional: Fuel Transfer Pump

SKID ASSEMBLY



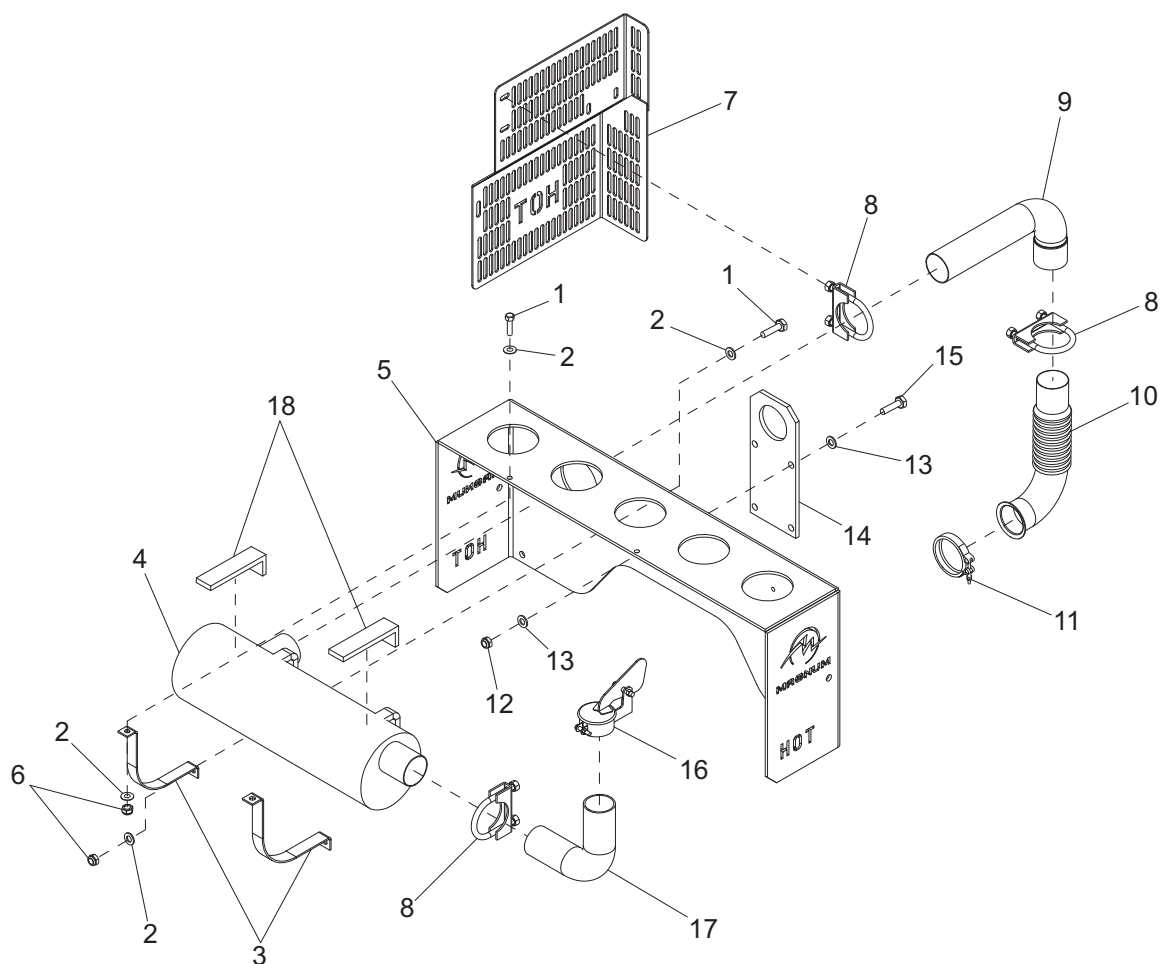
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	41133	2	Jack, side wind-tube mount	
2	23256	2	Pin, jack - tube mounted	
3	41108B	1	Tube, lift support	
4	50215	6	Screw, std hex	
5	60416	25	Washer, flat .500 USS	
6	60307	16	Nut, .500-13 hx nylock	
7	41145B	1	Bracket, heat shield	
8	60205	1	Screw, std hex	
9	60119	12	Washer, flat .312	
10	60358	1	Nut, hx nylock	
11	60388	4	Screw, std hex	
12	60309	12	Washer, flat .500	
13	41151B	2	Weldment, pump mnt angle	
14	60328	4	Screw, std hex	
15	41123	1	Harness, trailer Light	
16	60777	5	Clamp, hose crimp style	
17	50018	2.5 ft.	Hose, fuel - .312 ID 50 psi	
18	50018	3.0 ft.	Hose, fuel - .312 ID 50 psi	
19	41278B	1	Weldment, fuel tank/chassis	
20	60270	4	Nut, 8-32 hx hd nylock	
21	65407	2	Light, clearance - amber	
22	60406	4	Screw, 8-32X1.000 pan phil	
23	60860	2	Screw, std hex	
24	41120B	1	Bracket, throttle - lift support	
25	15627	3	Clamp, tubing - heavy duty	
26	11222	1	Bracket, manual holder	
27	60144	8	Nut, .250-20 nylock	
28	60243	4	Washer, flat .250 USS	
29	60800	2	Screw, std hex	
30	11121	1	Tube, black manual holder	
31	15693	1	Fitting, barb, 90° elbow	
32	60303	6	Nut, .312-18 hx nylock	
33	50343	3.16 ft.	Hose, fuel - clear vinyl	
34	61078	4	Screw, flg hex G8 ZB	
35	60180	4	Washer, .625 flat	
36	60240	4	Nut, .625-11 nylock G5	
37	65448	1	Light, stop/turn/tail - rh	
38	41102B	1	Bracket, tail light -rh	
39	60028	4	Screw, std hex	
40	65449	1	Light, stop/turn/tail -lh	
41	41101B	1	Bracket, tail light -lh	
42	41301B	1	Tube, lift support	

AIR FILTER ASSEMBLY



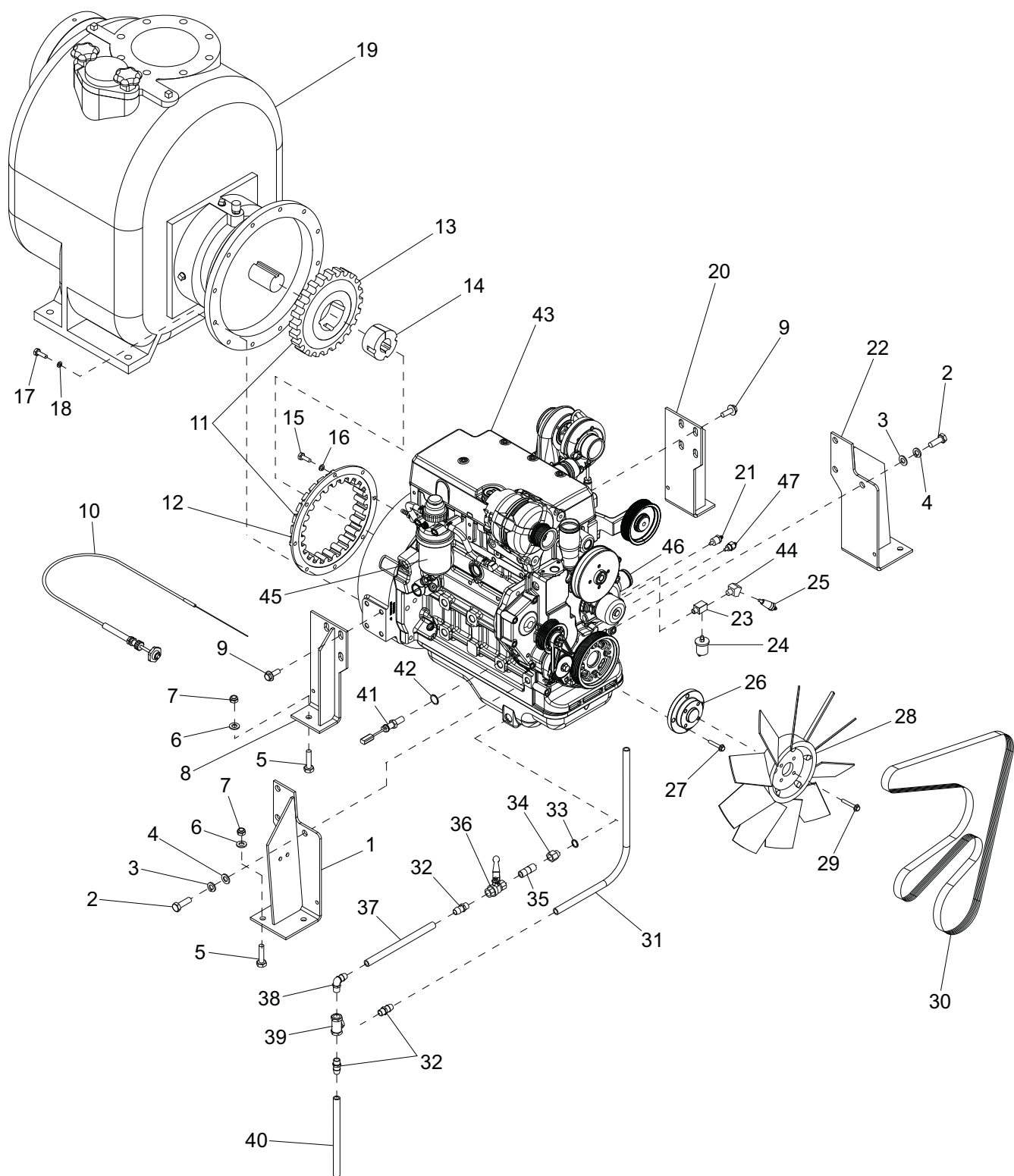
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	22874	1	Element, air filter	
2	19277	1	Cap, dust ejector	
3	22967	1	Filter, air	
4	18663	4	Clamp, hose - (3.31-4.25)	
5	41050	2	Elbow, 45 molded rubber	
6	41565B	1	Weldment, air intake tube	
7	22872	1	Insert, air hose reducer	
8	60303	2	Nut, .312-18 hx nylock	
9	60119	4	Washer, flat .312	
10	60028	2	Screw, hx hd	
11	40995B	1	Bracket, air filter - MTP	

EXHAUST SYSTEM ASSEMBLY



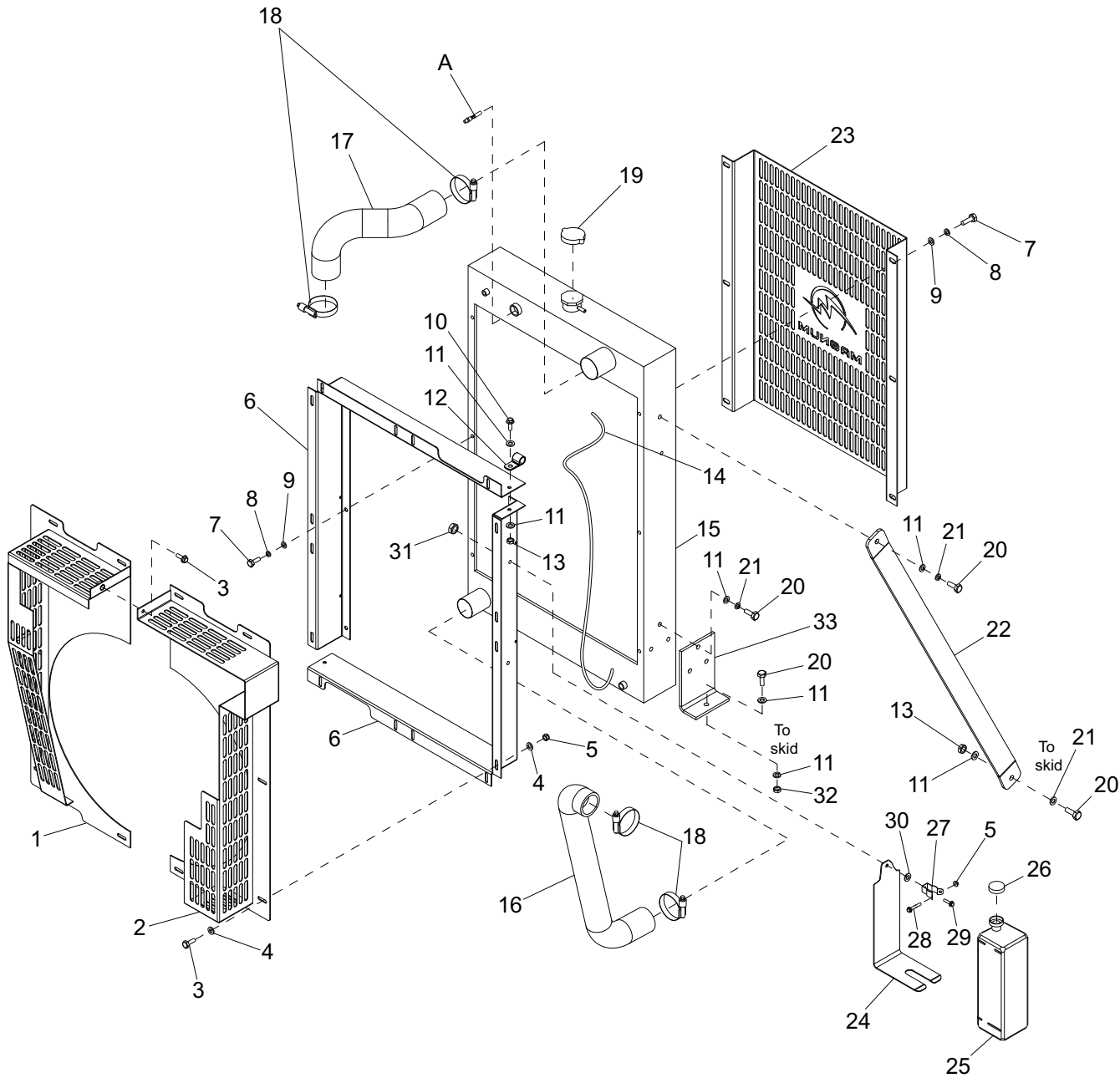
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	60352	4	Screw, hx hd	With hardware
2	60386	8	Washer, flat .375	
3	41082B	2	Bracket, muffler	
4	22670	1	Muffler, residential	
5	41068R	1	Bracket, lift support	
6	60358	4	Nut, .375-16 hx nylock	
7	41023R	1	Plate, heat shield	
8	61028	3	Clamp, muffler - 2.50	
9	41117B	1	Pipe, exhaust - upper	
10	41148B	1	Pipe, exhaust - lower	
11	22712	1	Clamp, 2.75" v-band	
12	60307	4	Nut, .500-13 hx nylock	
13	60309	8	Washer, flat .500 SAE	
14	41080B	1	Bracket, lift eye	
15	60484	4	Screw, hx hd	
16	25647B	1	Cap, rain 2.50	
17	41132B	1	Pipe, exhaust - 90°	
18	41083B	2	Spacer, muffler	

ENGINE ASSEMBLY - 4000S



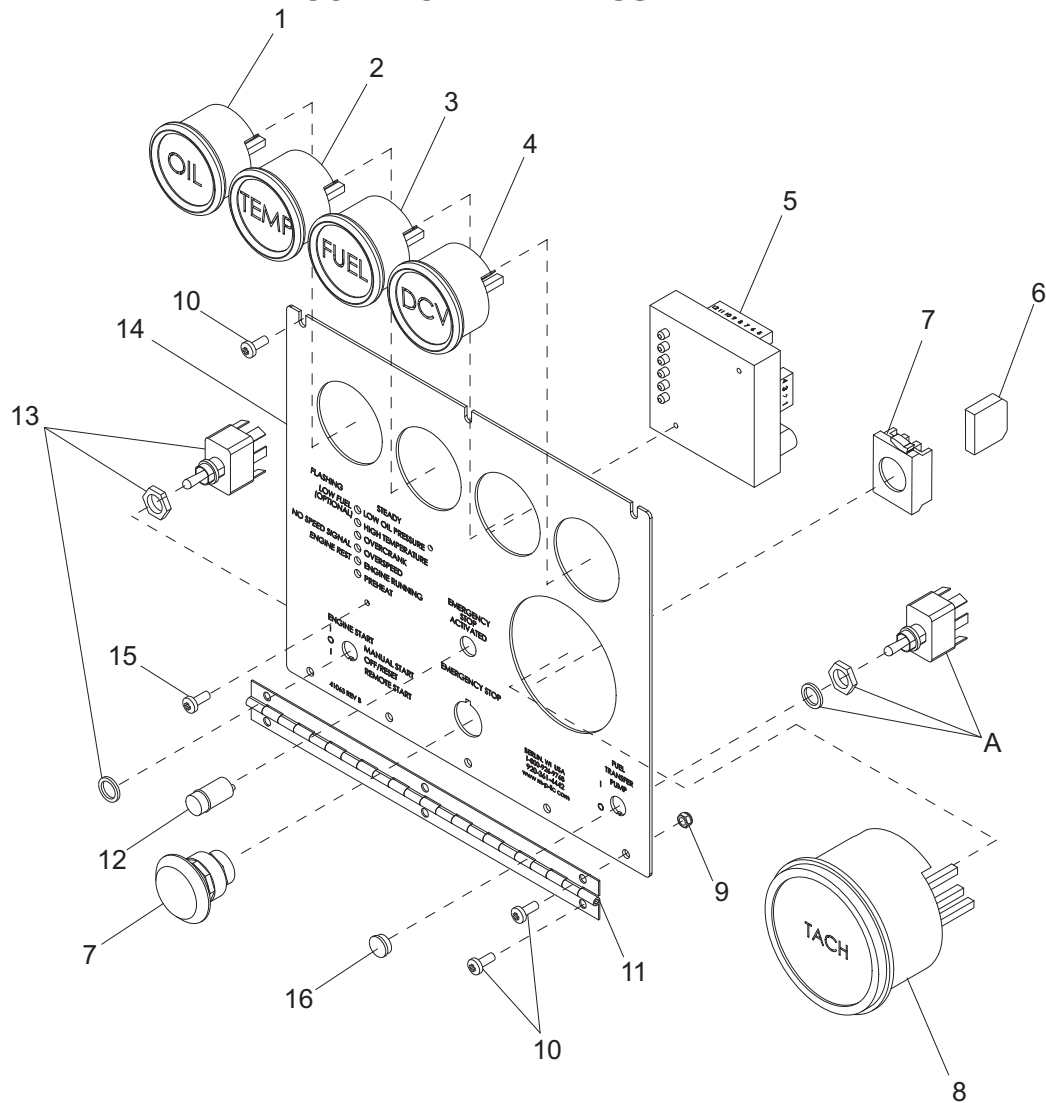
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	41112B	1	Weldment, engine mnt - rh	
2	60489	6	Screw, M16x40 hx hd	
3	60194	6	Washer, split lock M16	
4	60126	6	Washer, flat M16	
5	60388	6	Screw, hx	
6	60309	6	Washer, flat .500	
7	60307	6	Nut, .500-13 hx nylock	
8	41071B	1	Weldment, eng mnt - rh rr	
9	60065	8	Screw, M12x40 hx ser flg	
10	41165	1	Cable, push/pull throttle	
11	41193	1	Coupling flywhl ring/rbbr drvr	Set (items 12 & 13)
12	41191	1	Coupling flywheel ring	
13	41192	1	Coupling rubber driver	
14	41194	1	Coupling hub	
15	60205	8	Screw, .375-16x1.000 hx	
16	60206	8	Washer, split lock .375	
17	60215	12	Screw, M10x1.5x35 hx	
18	60026	12	Washer, split lock M10	
19	49191B	1	Pump, trash - 4" wet prime ES4	Start SN: 1030534 End SN: 1030533
	41088B	1	Pump, trash - 4" wet prime	
20	41072B	1	Weldment, eng mnt - lh rr	
21	65635	1	Switch, temperature - N.O.	
22	41113B	1	Weldment, engine mnt - lh	
23	60735	1	Fitting, street tee brass	
24	18106	1	Sensor, oil pressure	
25	65656	1	switch oil pressure	
26	41134	1	Spacer, fan	
27	60858	4	Screw, M10x1.5x75 soc hd	
28	41121	1	Fan, pusher - 18.00 CW	
29	60160	4	Screw, hx ser flg	
30	24845	1	Belt, fan	
31	50332	3.09 ft.	Hose, fuel - .750 ID 175 psi	
32	41167	3	Fitting, barb strt blk nylon	
33	19467	1	Seal, M22	
34	19307	1	Fitting, brass	
35	60438	1	Nipple, pipe	
36	60985	1	Valve, ball - padlocking	
37	50332	.625 ft.	Hose, fuel - .750 ID 175 psi	
38	41168	1	Fitting, barb 90° blk nylon	
39	60986	1	Fitting, tee polyprop	
40	50332	1.17 ft.	Hose, fuel - .750 ID 175 psi	
41	41204	1	Sensor, tach - J.D.	
42	41205	1	O-ring - J.D. tach sensor	
43	41996	1	Engine, Deere 4024TF281	Start SN: 0930134 End SN: 0930135
	40964	1	Engine, Deere 4024TF270	
44	22331	1	Fitting, 45° street - brass	
45	29487	1	Filter, oil - 4024TF/HF T3	
46	23145	1	Filter, fuel - 4024/5030	
47	22690	1	Sensor, coolant temp.	

COOLING SYSTEM ASSEMBLY



ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	41011B	1	Weldment, fan guard - lh	
2	41012B	1	Weldment, fan guard - rh	
3	60393	13	Screw, hx hd	
4	60243	21	Washer, flat .250	
5	60144	13	Nut, .250-20 nylock	
6	41281B	2	Radiator shroud	
7	60028	6	Screw,hx hd	
8	60271	6	Washer, split lock .312	
9	60119	6	Washer, flat .312	
10	60352	2	Screw, hx hd	
11	60386	11	Washer, flat .375	
12	16143	1	Clamp, tubing - .500	
13	60358	2	Nut, .375-16 hx nylock	
14	50018	3.5 ft.	Radiator overflow hose	
15	41257	1	Radiator assembly	
16	41046	1	Hose, lower radiator	
17	41045	1	Hose, upper radiator	
18	60660	4	Clamp, hose - const. torque	
19	22376	1	Cap - radiator	
20	60205	8	Screw, hx hd	
21	60206	8	Washer, split lock .375	
22	41044B	2	Strut, radiator support	
23	41040R	1	Guard, rock	
24	41206B	1	Bracket, overflow jug	
25	41958	1	Jug, overflow 3.5 qt.	
26	19714	1	Cap, overflow jug	
27	19726	1	Clamp, overflow jug	
28	60414	1	Screw, hx hd	
29	60062	2	Screw, pan hd phil	
30	60237	2	Washer, flat SAE #10	
31	60061	2	Nut, 10-32 hx nylock	
32	60140	2	Nut, .375-16 hex	
33	41239B	2	Bracket, rad. mountng	
A	65592	1	Sensor, low coolant	Optional

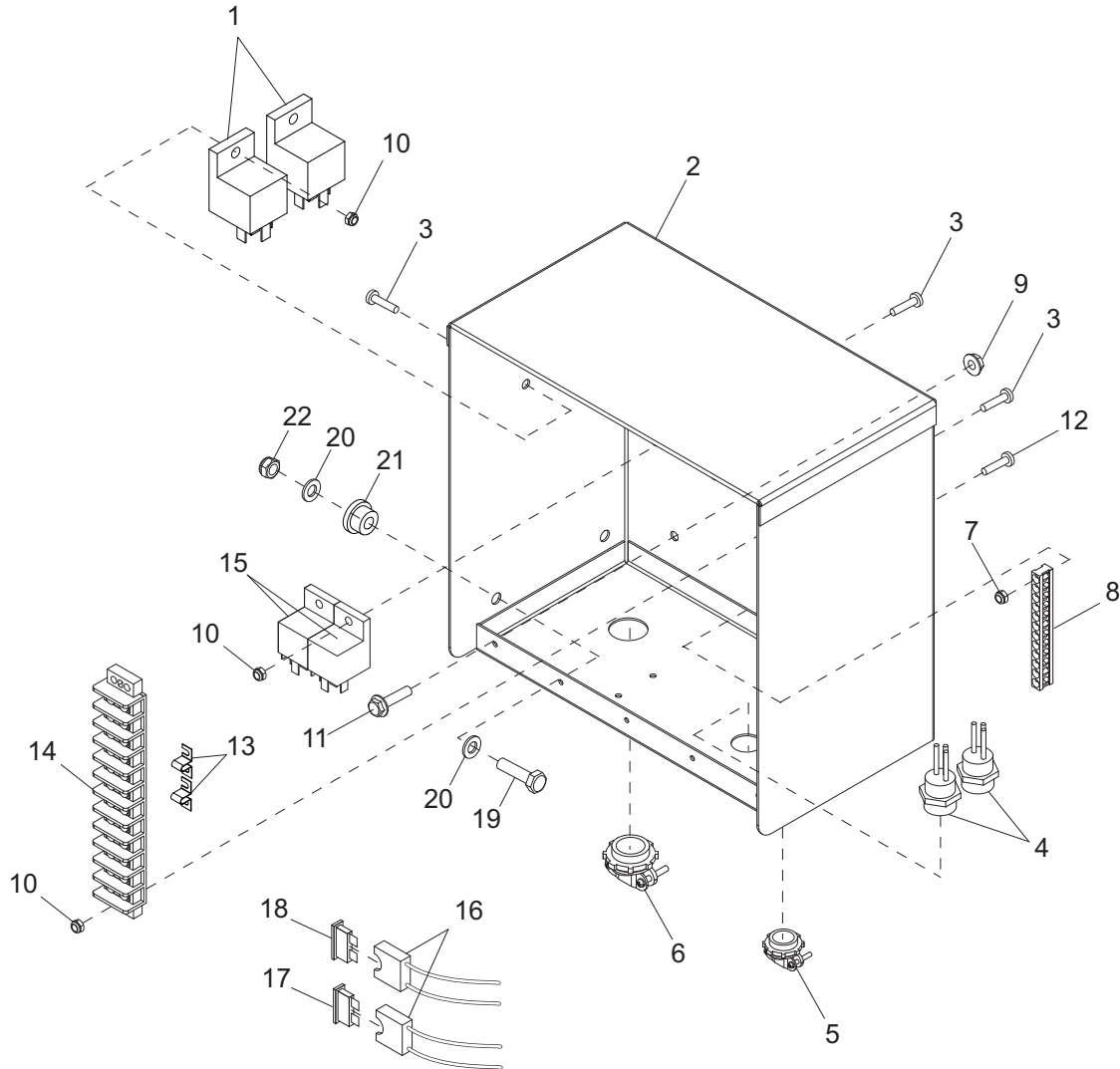
CONTROL PANEL ASSEMBLY



ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	65628	1	Gauge, oil pressure	
2	65629	1	Gauge, coolant temp	
3	65631	1	Gauge, fuel - elec	
4	65630	1	Gauge, voltmeter - DC	
5	65634	1	Controller, basic engine	
6	65584	1	Block, e-stop contactor	
7	65470	1	Switch, e-stop operator	
8	65627	1	Gauge, tach/hour meter	
9	60061	6	Nut, 10-32 hx nylock	
10	60277	9	Screw, pan hd	
11	10081	1	Hinge, continuous	
12	65388	1	Light, indicator red - w/wire	
13	65632	1	Switch, toggle - 3 pos	
14	41063	1	Panel, control -	
15	60406	2	Screw, pan hd phil	
A	65863	1	Switch, toggle	

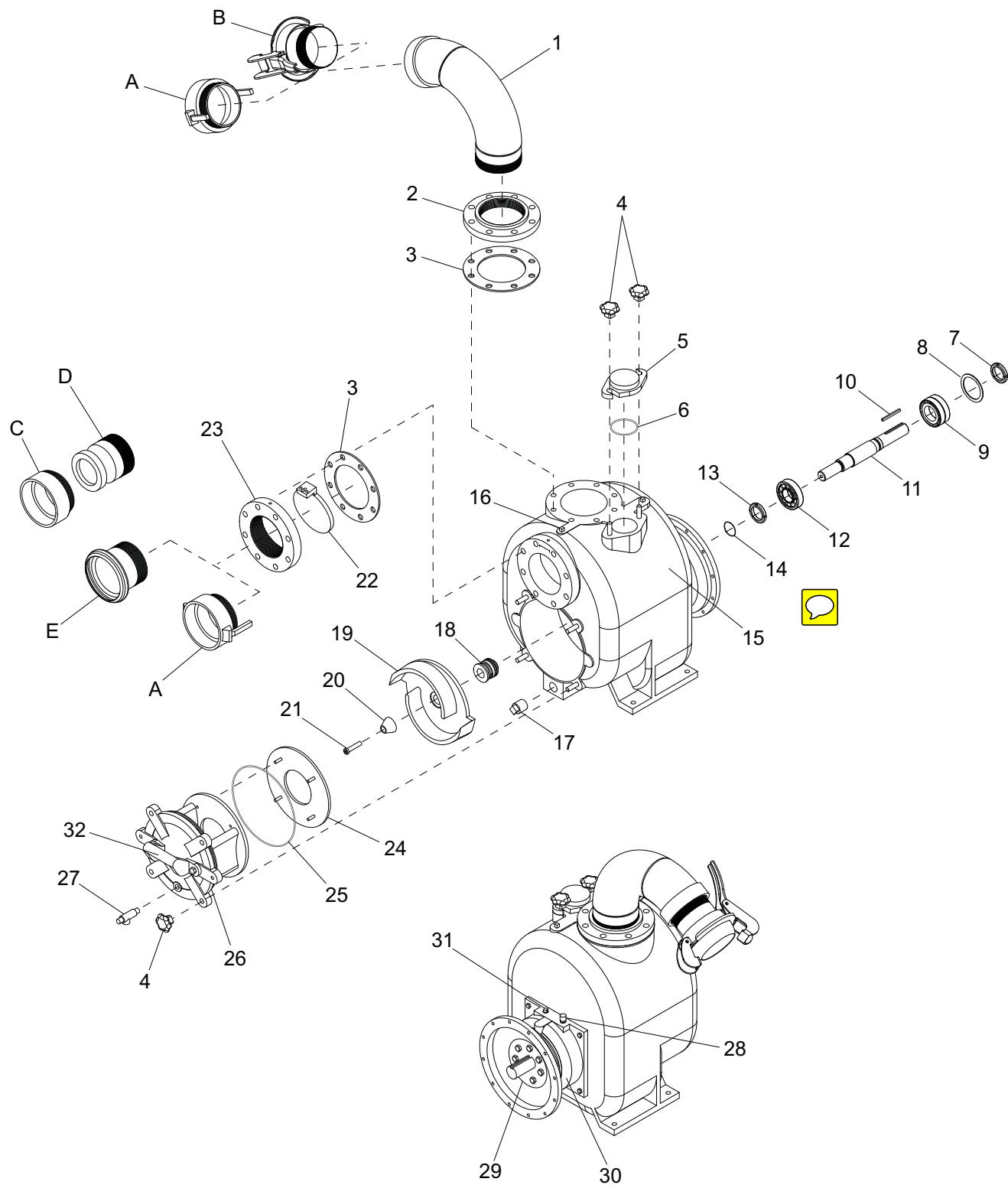
Optional: Feul Transfer Pump

CONTROL BOX ASSEMBLY



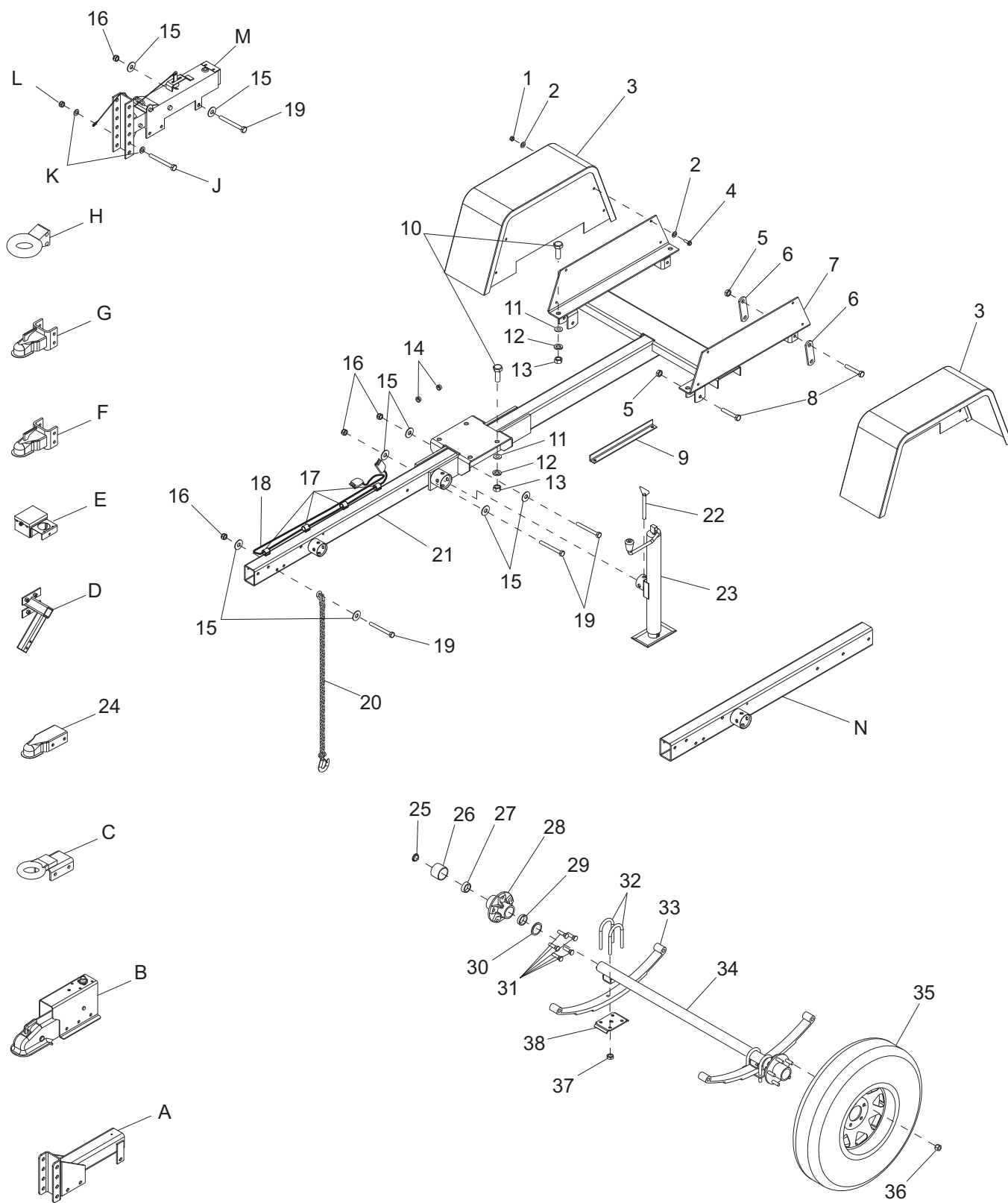
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	18081	2	Relay, ignition solenoid	
2	41188B	1	Box, control	
3	60062	5	Screw, pan hd phil	
4	15403	2	Connector, qck disc. - fml	
5	14202	1	Strain relief-romex w/nut	
6	14219	1	Strain relief-romex w/nut	
7	60270	4	Nut, 8-32 hx hd nylock	
8	14204	1	Kit, ground bar	
9	60161	4	Nut, .250-20 hx ser flg	
10	60061	5	Nut, 10-32 hx nylock	
11	65644	1	Base, relay - 8 pos.	
12	60244	2	Screw, pan hd phil	
13	65659	1	Relay, DPDT, 8 pos.	
14	14203	1	Block, terminal - 10 pos.	
15	65049	3	Relay, w/diode	
16	60479	4	Screw, hx ser flg	
17	65145	2	Holder, fuse - 30 amp	
18	65211-25	2	Fuse, 25 amp, blade type	
19	65451	1	Holder, fuse - 50/60 AMP	
20	65450	1	Fuse, 50 AMP	

4" WET PRIME PUMP ASSEMBLY



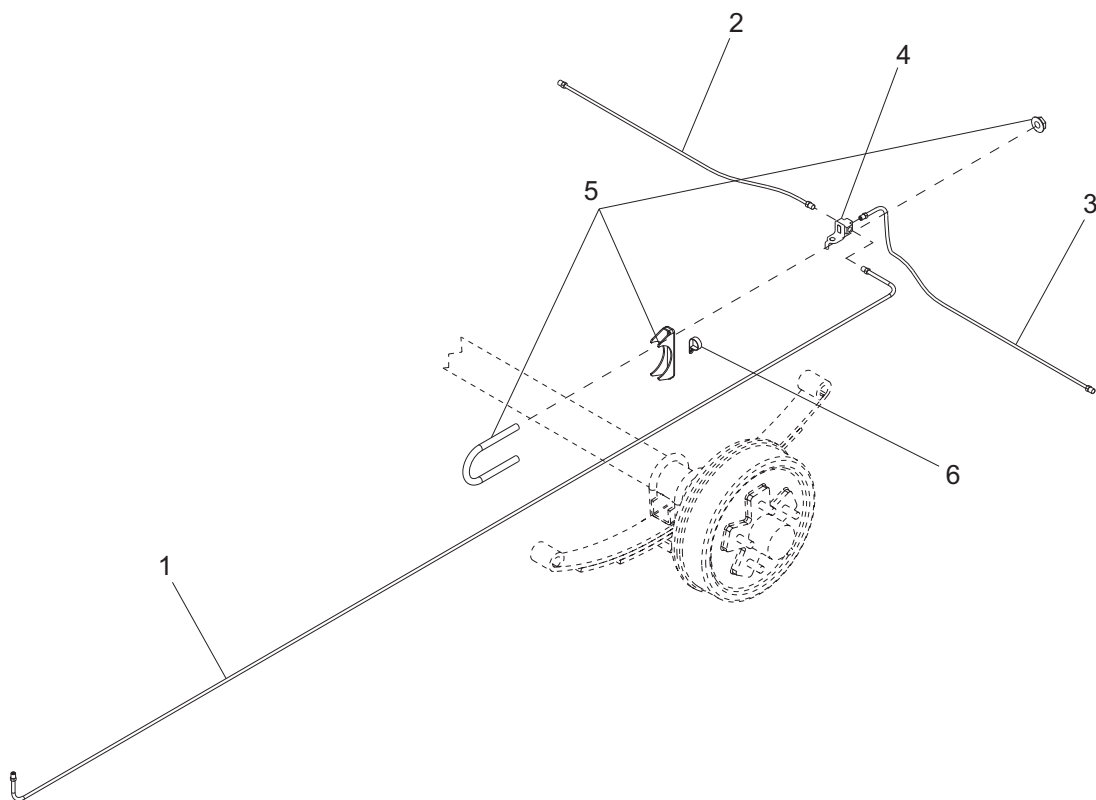
ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	41316B	1	Weldment, pump outlet tube	
2	41305B	1	PPI outlet NPT flange 4"	
3	43660	2	Gasket, discharge flange	Start SN: 1030534
	41155	2	Gasket, pump flange - 4"	End SN: 1030533
4	41208B	6	Hand knob	
5	41209B	1	Prime fill cover	
6	41210	1	Prime fill cover gskt 4"/6"	
7	41872	1	Outboard oil seal 4"/6"	
8	43666	1	Snap ring	Start SN: 1030534
	41873	1	Snap ring 4"/6"	End SN: 1030533
9	43665	1	Bearing	Start SN: 1030534
	41874	1	Outboard bearing 4"/6"	End SN: 1030533
10	41579	1	Key, shaft	
11	43667	1	Shaft	Start SN: 1030534
	41578	1	Shaft 4"/6"	End SN: 1030533
12	43669	1	Bearing	Start SN: 1030534
	41878	1	Inboard bearing 4"/6"	End SN: 1030533
13	41872	1	Inboard oil seal 4"/6"	
14	41879	1	Bearing hsng O-rng 4"	
15	43661	1	Volute	Start SN: 1030534
	41869	1	Volute 4"	End SN: 1030533
16	41881	1	Check valve pin 4"	
17	60988	1	Plug, 1.00 NPT square drv	
18	43671	1	Seal assembly	Start SN: 1030534
	41219	1	Mech. seal assy 4"/6"	End SN: 1030533
19	41212	1	Impeller 4"	
20	41883	1	Impeller washer 4"/6"	
21	41882	1	Impeller screw 4"/6"	
22	41217	1	Check valve 4"	
23	41224B	1	Inlet NPT flange 4"	
24	41213	1	Wear plate 4"	
25	43672	1	O-ring, inspect cover	Start SN: 1030534
	41215	1	Inspection cvr O-rng 4"	End SN: 1030533
26	43673	1	Cover-inspect	Start SN: 1030534
	41214B	1	Inspection cvr 4"	End SN: 1030533
27	41216	1	Relief valve	
28	41871	1	Bearing housing vent 4"/6"	
29	43668	1	Bearing cap	Start SN: 1030534
	41875	1	Bearing cover 4"/6"	End SN: 1030533
30	43664	1	Bearing housing	Start SN: 1030534
	41877	1	Bearing housing 4"	End SN: 1030533
31	41870	1	Seal vent plug 4"/6"	
32	43674	1	Handle-cover	Start SN: 1030534
--	41457	1	Sight glass - .75NPT	Not shown
--	43662	1	Seal plate	Start SN: 1030534, not shown
	41868	1	Seal plate 4"	End SN: 1030533, not shown
--	43670	1	Gasket, bearing cap	Start SN: 1030534, not shown
	41876	1	Bearing cvr/brckt gskt	End SN: 1030533, not shown
--	43675	-	Impeller shim kit	Not shown
--	41887	1	Seal plate O-ring 4"	Not shown
--	43663	1	Gasket seal plate	Start SN: 1030534, not shown
	41888	1	Seal plate gasket 4"/6"	End SN: 1030533, not shown
--	41889	1	Seal sleeve O-ring 4"/6"	Not shown
A	41328	2	Cam & groove coupler	Optional
B	41324	1	Ball and lock ring	Optional
C	41584B	1	Weldment, pump fitting 45°	Optional
D	41586	1	Cam and groove	Optional
E	41326	1	Socket -male galv.	Optional

TRAILER ASSEMBLY



ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	60140	8	Nut, .375-16 hx hd	
2	60386	16	Washer, flat .375	
3	22743B	2	Fender, single wheel	
4	60179	8	Screw .375-16X.750 hx hd	
5	60504	6	Nut, hx shackle lock	
6	19637	4	Plate, shackle bracket	
7	24811B	1	Weldment, trailer chassis	
8	60503	6	Screw, .562-18 hx shackle	
9	24691B	1	Brace, tongue shipping	
10	60383	6	Screw, hx hd	
11	60247	6	Washer, flat .750	
12	60248	6	Washer, split lock .750	
13	15293	6	Nut, .750-10 hx	
14	22340	2	Bushing, 1.00 OD X .75 ID	
15	60309	14	Washer, flat .500	
16	60307	7	Nut, .500-13 hx nylock	
17	23205	1	Harness, trailer	
18	61010	7	Clamp, tubing - heavy duty	
19	60659	7	Screw, hx hd	
20	23367	2	Chain, safety	
21	24812B	1	Weldment, flip tongue	
22	23256	1	Pin, jack - tube mounted	
23	13051	1	Jack assy, top wind	
24	15103	1	Coupler, 2" ball/3" channel	
25	11254	2	Plug, grease cap - for zerk	
26	23170	2	Cap, grease - w/ rubber plug	
27	24831	2	Roller bearing - outer	
28	26452	2	Brake drum - 12" 6 on 5.5"	
29	24830	2	Roller bearing - inner	
30	24832	2	Bearing seal axle	
31	60963	12	Stud, wheel - axle	
32	40875	4	U-bolt	
33	23912	2	Spring, 5000lb axle	
34	22876	1	Axle, 5000#, electric	
	22877	1	Axle, 5000#, hydraulic	
35	18377	2	Wheel, ST225/75R15	
36	60096	12	Nut, .500-20 wheel lug	
37	26441	8	U-bolt nut, 1/2-20 plated	
38	40874	2	Tie plate	
A	19379B	1	Weldment, hitch 4 pos.	Option: adjustable hitch, elec
B	24304	1	Actuator, hyd surge - 2" ball, 6000 lb	Option: non-adjustable
C	11032	1	Weldment, lun. ring - 3.0ID/3.0 tongue	Option: non-adjustable
D	12235B	1	Weldment, spare tire holder	Option
E	19417	1	Breakaway Kit	Option
F	19518	1	Coupler, 2.00 ball	Option: adjustable
G	19519	1	Coupler, 2.31 ball	Option: adjustable
H	19335B	1	Hitch, pintle eye - 3.00 ID	Option: adjustable
J	60239	2	Screw, .625-11x5.000 hex hd	Option: adjustable
K	60180	4	Washer, flat .625	Option: adjustable
L	60240	2	Nut, .625-11 hex nylock	Option: adjustable
M	40529	1	Actuator, hyd surge brake 7500lb	Option: adjustable actuator, hyd
N	24824B	1	Weldment, flip tongue	Option: for adj. actuator/hitch
--	26574	2	Electric brake assy, RH	Not Shown
--	26573	2	Electric brake assy, LH	Not Shown
--	26572	2	Surge brake assy, RH	Free backing, Not Shown
--	26571	2	Surge brake assy, LH	Free backing, Not Shown

TRAILER BRAKE LINES



ITEM	PART NO.	QTY	DESCRIPTION	NOTES
1	24688	1	Hose, brake - male/male	
2	40495	1	Line, brake - .188 x 20.00	
3	40494	1	Line, brake - .188 X 30.00	
4	19252	1	Fitting, brake line T w/brckt	
5	61028	1	Clamp, muffler - 2.50 lt duty	U-bolt & saddle
6	61010	1	Clamp, tubing - heavy duty	

SERVICE LOG

OIL GRADE AND TYPE: _____ BRAND: _____

COOLANT MIXTURE: _____ BRAND: _____

[illegible][illegible][illegible]

REV: ORG
PART NO: 43199
08.31.11