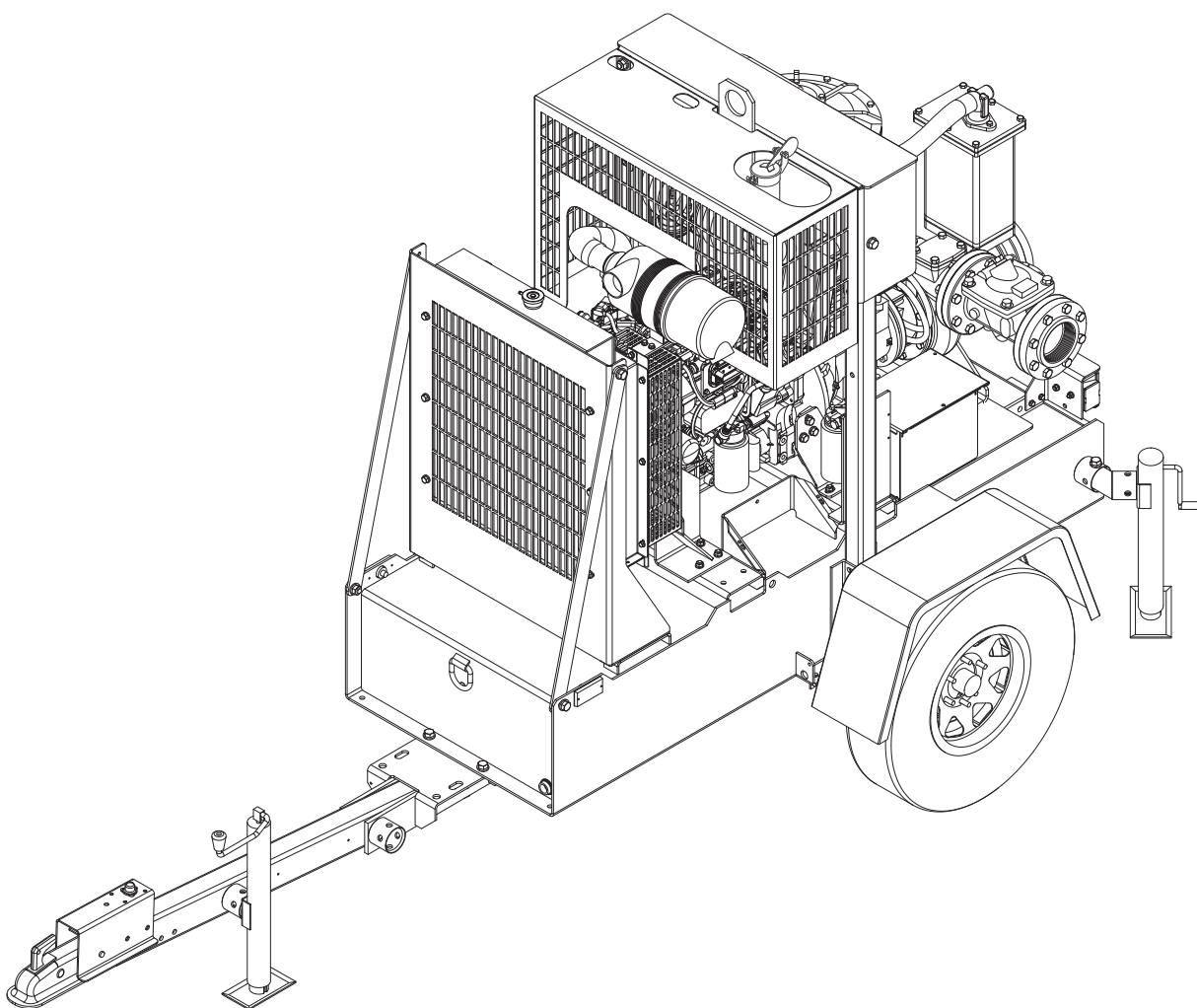


GENERAC®

MOBILE PRODUCTS

DRY-PRIME DIESEL TRASH PUMP MTP4000DZD



01647

PARTS MANUAL

⚠ 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.

⚠ WARNING

CALIFORNIA PROPOSITION 65 WARNING: This product contains or emits chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm.

Introduction

This parts manual was prepared based on the information available at the time of publication and is subject to change without notice. Generac Mobile Products reserves the right to change parts at any time. To check whether a revised parts manual is available, contact Generac Mobile Products.

DO NOT MODIFY or use this equipment for any application other than which it was designed for. To keep your equipment fully operational, it is suggested you maintain a stock of commonly used maintenance or service parts. A recommended spare parts list can be found in the back of this manual. To order service parts, please go to **www.generacmobile.com** or call Generac Mobile Products.

▲ WARNING

Before operating or servicing this equipment, read and understand the Generac 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.

GENERAC MOBILE 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.generacmobile.com

For technical or parts QUESTIONS, please contact the Generac Mobile Products Customer Support or Technical Support team at 1-800-926-9768.

Engine Make: _____

Engine Serial Number: _____

Engine Model Number: _____

Pump Make: _____

Pump Model Number: _____

Pump Serial Number: _____

Unit Model Number: _____

Unit Serial Number: _____

This Page Intentionally Left Blank

Table of Contents

Introduction	iii
Parts Manual Instructions	1
Unit Decals - Left Side	2
Unit Decals - Right Side	3
Control Box Assembly	4
Air Filter Assembly	6
Exhaust System Assembly	8
Cooling System Assembly	10
Engine and Pump to Skid Assembly	12
Engine Assembly - Left Side	14
Engine Assembly - Right Side	16
External Pump Assembly	18
Vacuum Pump Assembly	20
Bearing Frame Assembly	22
Priming Chamber Assembly	24
Internal Pump Assembly	26
Lift Structure Assembly	28
Fuel Tank Assembly (1 of 2)	30
Fuel Tank Assembly (2 of 2)	32
Trailer Assembly	34
Trailer Hitch Options	36
Axle Assembly	38
Trailer Brake Lines	40
Recommended Spare Parts List	42

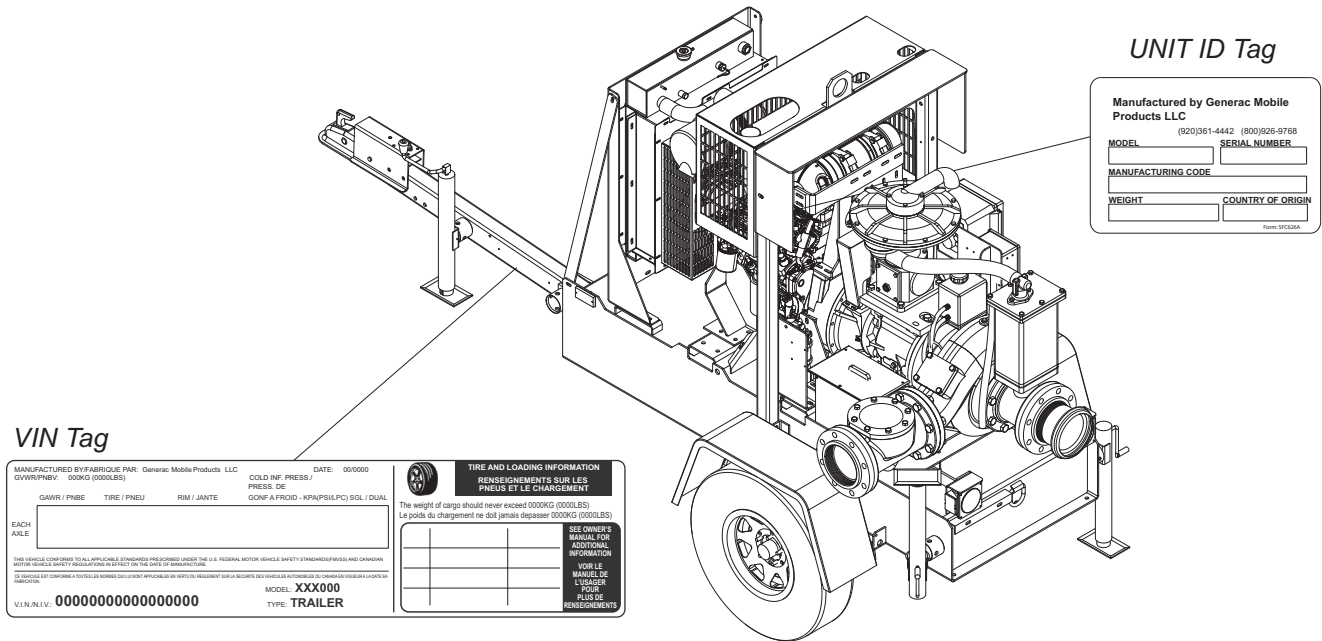
This Page Intentionally Left Blank

Parts Manual Instructions

Product illustrations are only representations. Products supplied may vary from the illustrations in this parts manual. Parts not shown in the illustration are indicated by a double dash (--) in the item column.

Please be prepared to provide the following information when ordering replacement parts: model number, serial number (on unit serial tag), part number, purchase order number (if applicable), shipping address, shipping method.

Refer to the illustration below to locate the unit ID tag and Vehicle Identification Number (VIN) tag on the unit. Important information, such as the unit serial number, model number, VIN and tire loading information are found on these tags. Record the information from these tags so it is available if the tags are lost or damaged. When ordering parts or requesting assistance, you may be asked to provide this information.



01630

UNIT DECALS - LEFT SIDE

PUMP OPERATION

- Level unit with all three jacks.
- Attach intake and outlet hoses/pumps.
- Emergency stop off. Engine start switch to "Start".
- Allow pump to prime.
- Allow pump to cool if overheating.
- If pressurized, vent pump slowly at casing drain.
- Read operator's manual before re-starting.

FONCTIONNEMENT DE LA POMPE

- Mettre la pompe à niveau avec les trois pieds.
- Attacher les tuyauterisations d'entrée/d'écoulement.
- Obtenir l'arrêt d'urgence. Mettre l'interrupteur de démarrage du moteur sur "Start" (démarrage).
- Laisser la pompe à primer.
- Laisser la pompe refroidir si elle est surchauffée.
- Si la pompe est pressurisée, vider lentement la pompe par le décharge du carter.
- Lire le manuel d'utilisation avant le service en service.

BEWEGUNG DER POMPE

- Gerät mit allen drei Wagenstützen nivellieren.
- Anschlüsse mit entsprechenden Schläuchen anschließen.
- Not-Stop ausschalten. Motorschutzschalter auf "Start" stellen.
- Pumpe ventillieren lassen.
- Bei Überhitzung Pumpe abkühlen lassen.
- Bei druckbeaufschlagter Pumpe langsam am Ventilschraubstift ventillieren.
- Vor dem erneuten Anfahren Bedienungsanleitung beachten.

WARNING

This pump is designed for use only with water containing suspended solids. Do not operate in an aqueous environment. Do not attempt use with volatile, corrosive or flammable materials or liquids. Damage to the pump or severe body damage may occur.

ADVERTENCIA

Este bombeo está diseñado para usarse sólo con agua que contenga sólidos en suspensión. No opere en un ambiente acuoso. No intente usarlo con materiales o líquidos volátiles, corrosivos o inflamables. Puede causar daños a la bomba o lesiones corporales graves.

AVERTISSEMENT

Cette pompe est conçue pour être utilisée uniquement avec de l'eau contenant des matières solides en suspension. Ne pas faire fonctionner la pompe dans un environnement aquatique. Ne pas l'utiliser avec des matériaux ou des liquides volatils, corrosifs ou inflammables. La pompe risque d'être endommagée et de provoquer des blessures graves.

WARNING

Pump can automatically start while on travel without safety. Disconnect battery before servicing.

ADVERTENCIA

Bomba puede arrancar automáticamente, y causar lesiones corporales. Desconecte la batería antes de realizar el servicio técnico.

AVERTISSEMENT

La pompe peut démarrer automatiquement, ce qui peut entraîner des blessures graves. Débranchez la batterie avant de faire l'entretien.

WARNING

Hot surfaces. Do not touch. Burns may occur.

ADVERTENCIA

Superficies calientes. No toque. Pueden producirse quemaduras.

AVERTISSEMENT

Surfaces chaudes. Ne pas toucher. Des brûlures peuvent survenir.

WARNING

Hot surfaces. Do not touch. Burns may occur.

ADVERTENCIA

Superficies calientes. No toque. Pueden producirse quemaduras.

AVERTISSEMENT

Surfaces chaudes. Ne pas toucher. Des brûlures peuvent survenir.

ULTRA LOW SULFUR FUEL ONLY

≤15 mg/kg

DANGER

FLAMMABLE

GEFAHR

ENTZÜNDBAR

PELIGRO

COMBUSTIBLE

DANGER

FLAMMABLE

FUEL TANK DRAIN



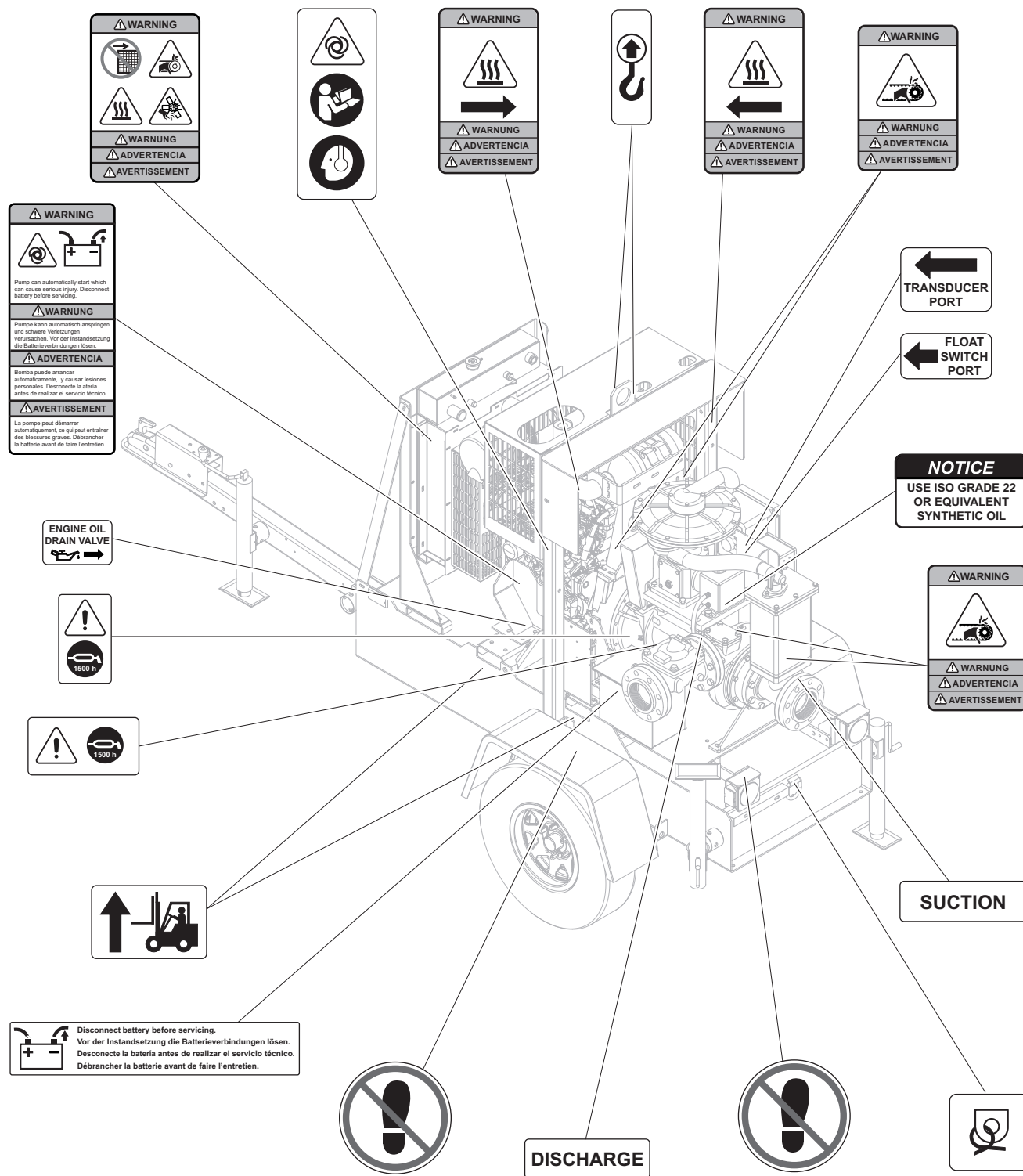
Operator's manual must be stored on machine. Replacement Manual should be kept in the engine compartment. Das Bedienungsheft muss an der Maschine aufbewahrt werden. Ein Ersatzheft muss im Motorschutzhäuser aufbewahrt werden. El manual del operador debe guardarse en la máquina. El manual de repuesto debe guardarse en el compartimento de protección del motor. Regard le manuel de l'opérateur avec l'appareil. Le manuel de remplacement doit être conservé auprès de votre distributeur agréé.



TOWING INSTRUCTIONS	ABSCHLEPPINSTRUKTIONEN	INSTRUCCIONES DE REMOLQUE	INSTRUCTIONS DE REMORQUAGE
- Read operator's manual. - Use hitch rated for trailer's "gross vehicle weight rating". - Securely attach trailer to tow vehicle. - Attach safety chains using a cross pattern. - Attach breakaway chain to vehicle. - Check trailer lights.	- Bedienungsheft lesen. - Verwenden Sie einen für das "Bruttogewicht des Zuges" geeigneten Schlepphaken. - Sicherheitsketten an der Schleppmaschine befestigen. - Sicherheitsketten in Kreuzform anbringen. - Abreißkette am Fahrzeug anbringen. - Leuchten prüfen.	- Leer el manual del operador. - Utilice un gancho de remolque clasificado para la "Carga de peso bruto" del vehículo de remolque. - Asegure de acoplar correctamente el remolque al vehículo de remolque. - Atache los cadenas de seguridad en un patrón de cruce. - Atache la cadena de ruptura al vehículo de remolque. - Verifique las luces de remolque.	- Lire le manuel d'opérateur. - Utilisez un crochet d'attelage conforme au poids nominal du poids brut du véhicule tracté. - Assurez-vous de coupler correctement le remorque au véhicule tracteur. - Attachez les chaînes de sécurité en utilisant une méthode croisée. - Attachez la chaîne de remorque au véhicule tracteur. - Vérifiez les lampes de remorque.

Note: All safety and operating decals are located on decal sheet 31615 unless otherwise noted.

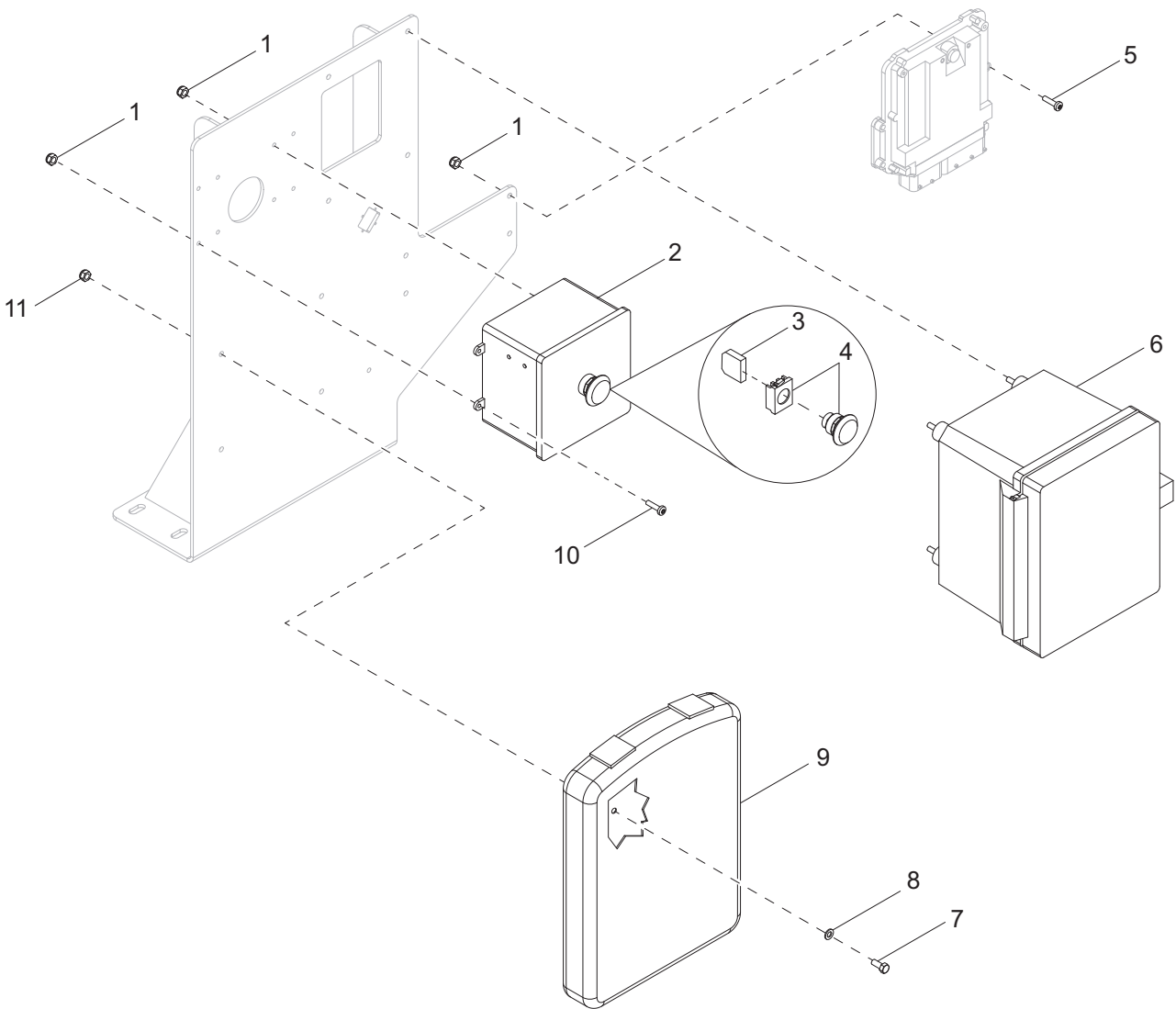
UNIT DECALS - RIGHT SIDE



01629

Note: All safety and operating decals are located on decal sheet 31615 unless otherwise noted.

CONTROL BOX ASSEMBLY

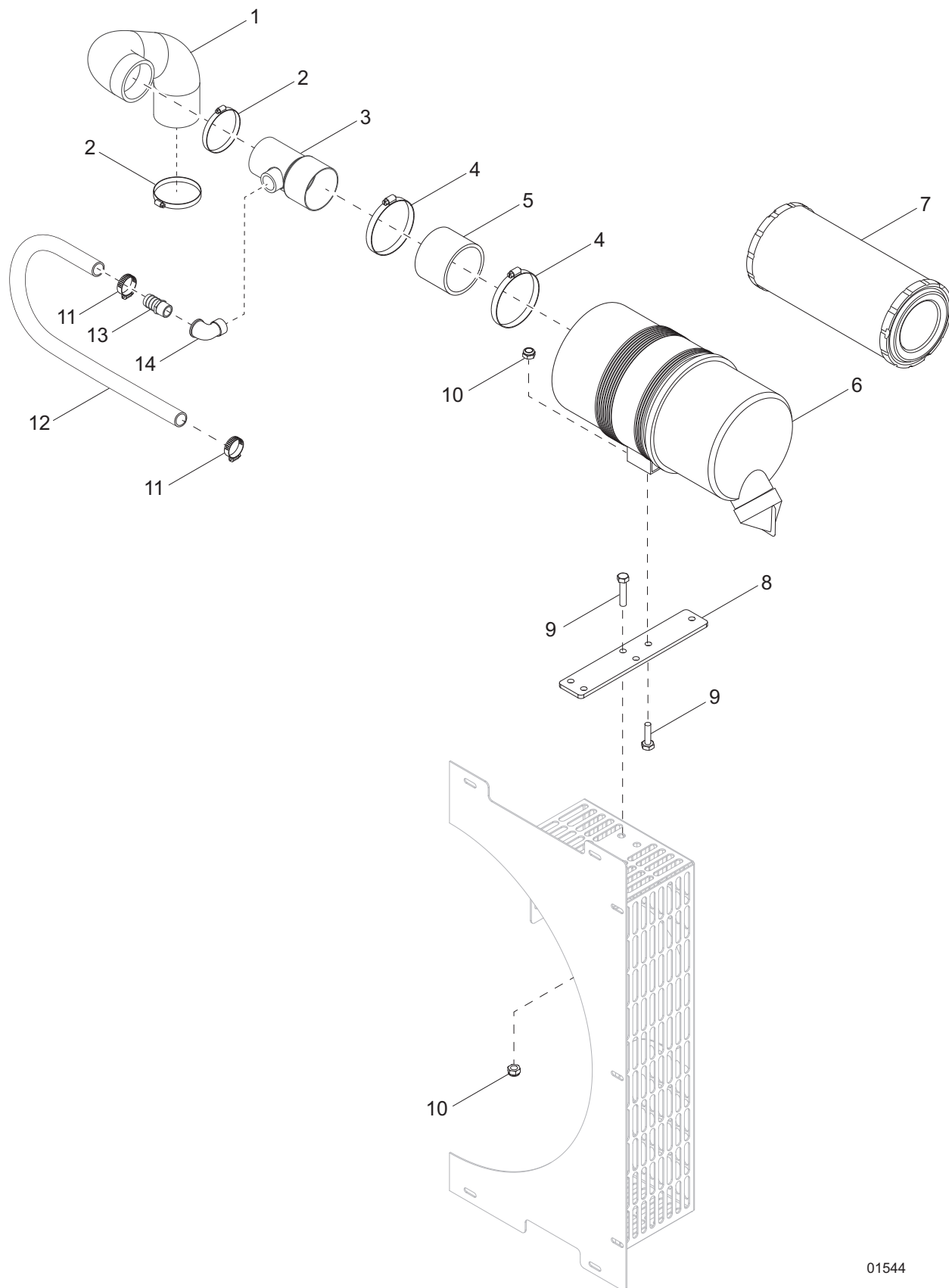


01328

CONTROL BOX ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	60061	12	Nut, 10-32 nylock	
2	31514	1	Assembly, E-stop box	
--	65416	1	Nut, Duetsch HDP series	Included with item 2
--	65417	1	Washer, lock - Duetsch HDP series	Included with item 2
--	31597	1	Box, modified - E-stop	Included with item 2
--	61045	5	Nut, 10-32 sflg	Included with item 2
--	66455	2	Relay, 12V/70A NC/80A NO w/diode	Included with item 2
--	65049	1	Relay, 12V/30-40A NO w/diode	Included with item 2
--	60398	1	Screw, 10-32 x .500 pan phil, SS	Included with item 2
--	60237	8	Washer, .250 flat .495/.036 SAE	Included with item 2
--	60243	2	Washer, .250 flat .735/.060	Included with item 2
3	65584	1	Block, E-stop contactor NO/NO	
4	65470	1	Switch, E-stop operator	
5	60396	4	Screw, 10-32 x 1.250 pan phil, G2	
6	68532	1	Assembly, control box w/controller (Lofa 750)	
--	31504	1	Controller, programmed	
--	60062	8	Screw, 10-32 x .750 pan phil, G2	Included with item 6
--	60303	4	Nut, .312-18 nylock, G2	Included with item 6
--	62001	4	Screw, .312-18 x 1.250 std hex, G5	Included with item 6
7	60281	4	Screw, .250-20 x .750 std hex, G5	
8	60243	4	Washer, .250 flat, .735/.060	
9	24540	1	Holder, manual	
10	60062	4	Screw, 10-32 x .750 pan phil, G2	
11	60144	4	Nut, .250-20 nylock, G5	
--	68304	1	Harness, main	
--	68381	1	Wire group, E-stop box	
OPTIONAL FEATURES				
<i>Float Switches:</i>				
--	49607	1	Adapter, harness - LOFA float switch	
--	41581	1	Assembly, float switch	

AIR FILTER ASSEMBLY



01544

AIR FILTER ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	31477	1	Hose, air filter - engine side	
2	19336	2	Clamp, hose - SAE 044 (2.31-3.25)	
3	31476BH	1	Weldment, air inlet tube	
4	18663	2	Clamp, hose - SAE 060 (3.31-4.25)	
5	31473	1	Hose, air filter - filter side	
6	22967	1	Filter, air	
7	22874	1	Element, air filter	
8	31462B	1	Bracket, air filter	
9	60028	6	Screw, .312-18 x 1.0 std hex, G5	
10	60303	6	Nut, .312-18 nylock, G2	
11	19338	2	Clamp, hose - SAE 016 (.68-1.50)	
12	51019	1.5 ft	Hose, heater - .875 J20R3	
13	25496	1	Fitting, strt - .750MNPT x 1.0 barb, brass	
14	25110	1	Fitting, 90° street - .750MNPT x .750FNPT	

8

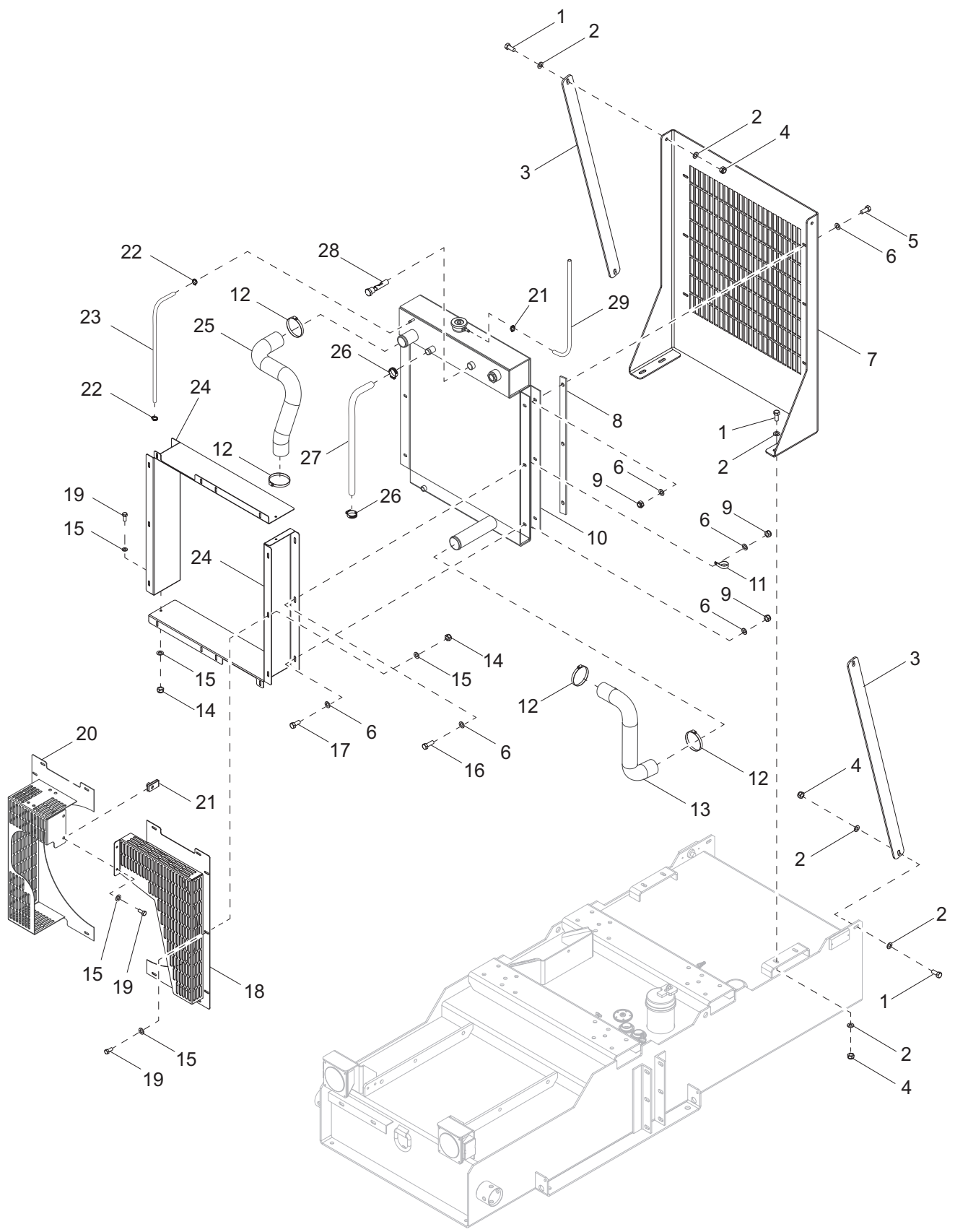


31652 ORG

EXHAUST SYSTEM ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	21089	1	Cap, rain - 3.0	
2	31624	1	Weldment, DOC outlet pipe	
3	63248	2	Clamp, V-band - 3.88 ID/.40 SC width	
4	31470	1	DOC, Deutz D2.9	
5	60256	5	Screw, .312-18 x 1.50 std hex, fully threaded, G5	
6	60119	10	Washer, .312 flat .875/.070	
7	31471	1	Clamp, DOC	
8	31596	1	Weldment, DOC pipe	
9	31547B	1	Weldment, DOC support	
10	31539B	2	Spacer	
11	60152	4	Screw, M10-1.50 x 60 std hex, G8.8	
12	60303	5	Nut, .312-18 nylock, G2	
13	60358	2	Nut, .375-16 nylock, G5	
14	60386	4	Washer, .375 flat .993/.064	
15	31629B	1	Bracket, tail pipe support	
16	60352	2	Screw, .375-16 x 1.250 std hex, G5	

COOLING SYSTEM ASSEMBLY

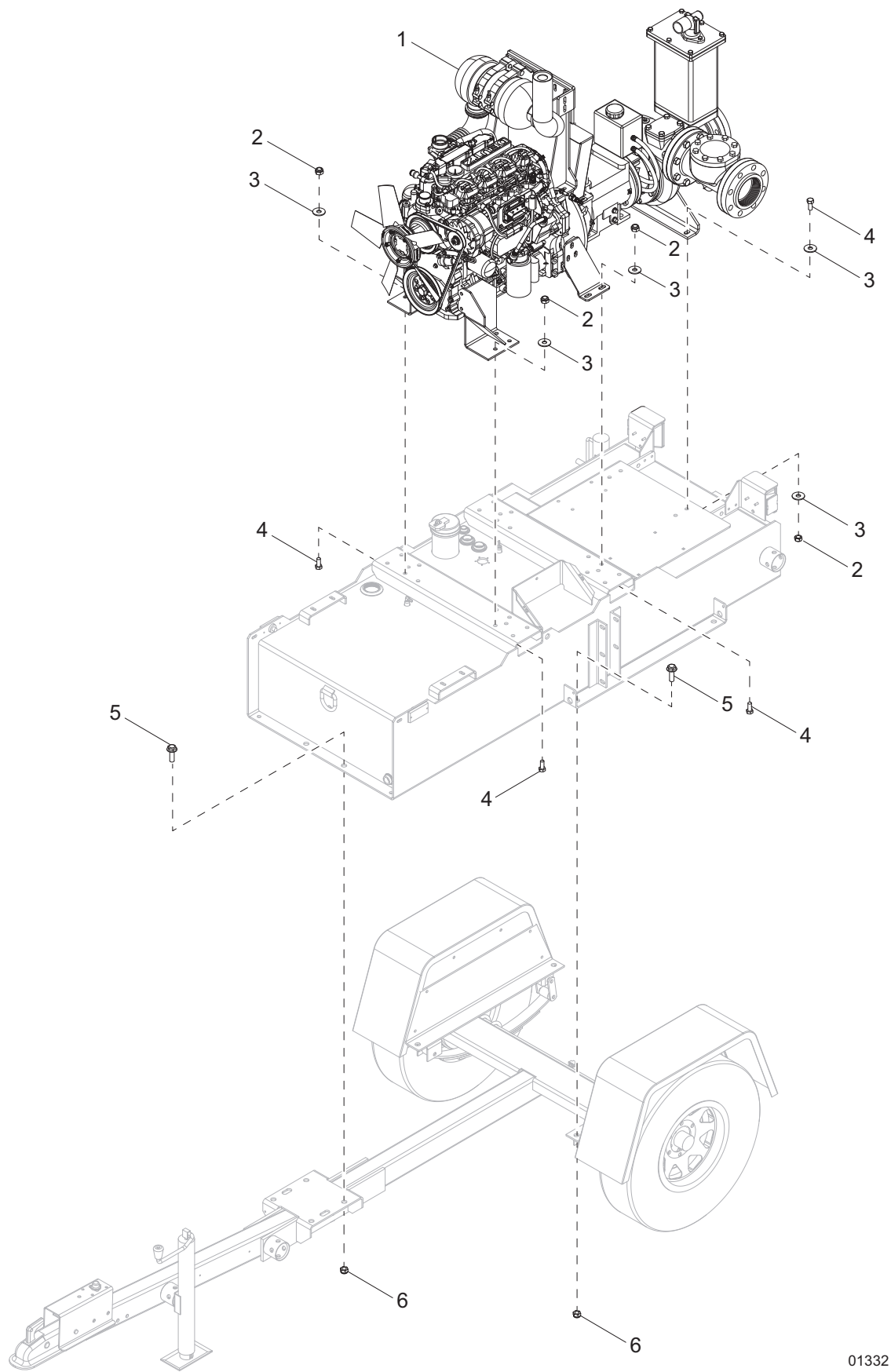


01331

COOLING SYSTEM ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	60352	8	Screw, .375-16 x 1.250 std hex, G5	
2	60386	16	Washer, .375 flat .993/.064	
3	31583B	2	Strut, radiator support	
4	60358	8	Nut, .375-16 nylock, G5	
5	62001	6	Screw, .312-18 x 1.250 std hex, G5	
6	60119	24	Washer, .312 flat .875/.070	
7	31548B	1	Bracket, radiator support	
8	31650B	2	Spacer, radiator	
9	60303	12	Nut, .312-18 nylock, G2	
10	38321	1	Radiator, w/expansion tank	
11	15627	1	Clamp, tubing - .625 heavy duty	
12	60316	4	Clamp, hose - SAE 032 (1.56-2.50)	
13	31440	1	Hose, radiator - lower	
14	60144	16	Nut, .250-20 nylock, G5	
15	60243	34	Washer, .250 flat .735/.060	
16	60028	1	Screw, .312-18 x 1.00 std hex, G5	
17	61061	5	Screw, .312-18 x .875 std hex, G5	
18	31582B	1	Weldment, fan guard - right	
19	60281	18	Screw, .250-20 x .750 std hex, G5	
20	31581B	1	Weldment, fan guard - left	
21	61143	2	Nut, .250-20 U-clip - short type	
22	14216	3	Clamp, hose - SAE 004 (.21-.62) mini	
23	50017	2.1 ft	Hose, fuel - .250 ID, 50 psi, SAE 30R7	
24	31561B	2	Shroud, fan	
25	31439	1	Hose, radiator - upper	
26	19338	2	Clamp, hose - SAE 016 (.68-1.50)	
27	51019	2 ft	Hose, heater .875 J20R3	
28	68206	1	Sensor, low coolant, wet sinking	
29	50018	3 ft	Hose, fuel - .312 ID, 50 psi, SAE 30R7	

ENGINE AND PUMP TO SKID ASSEMBLY

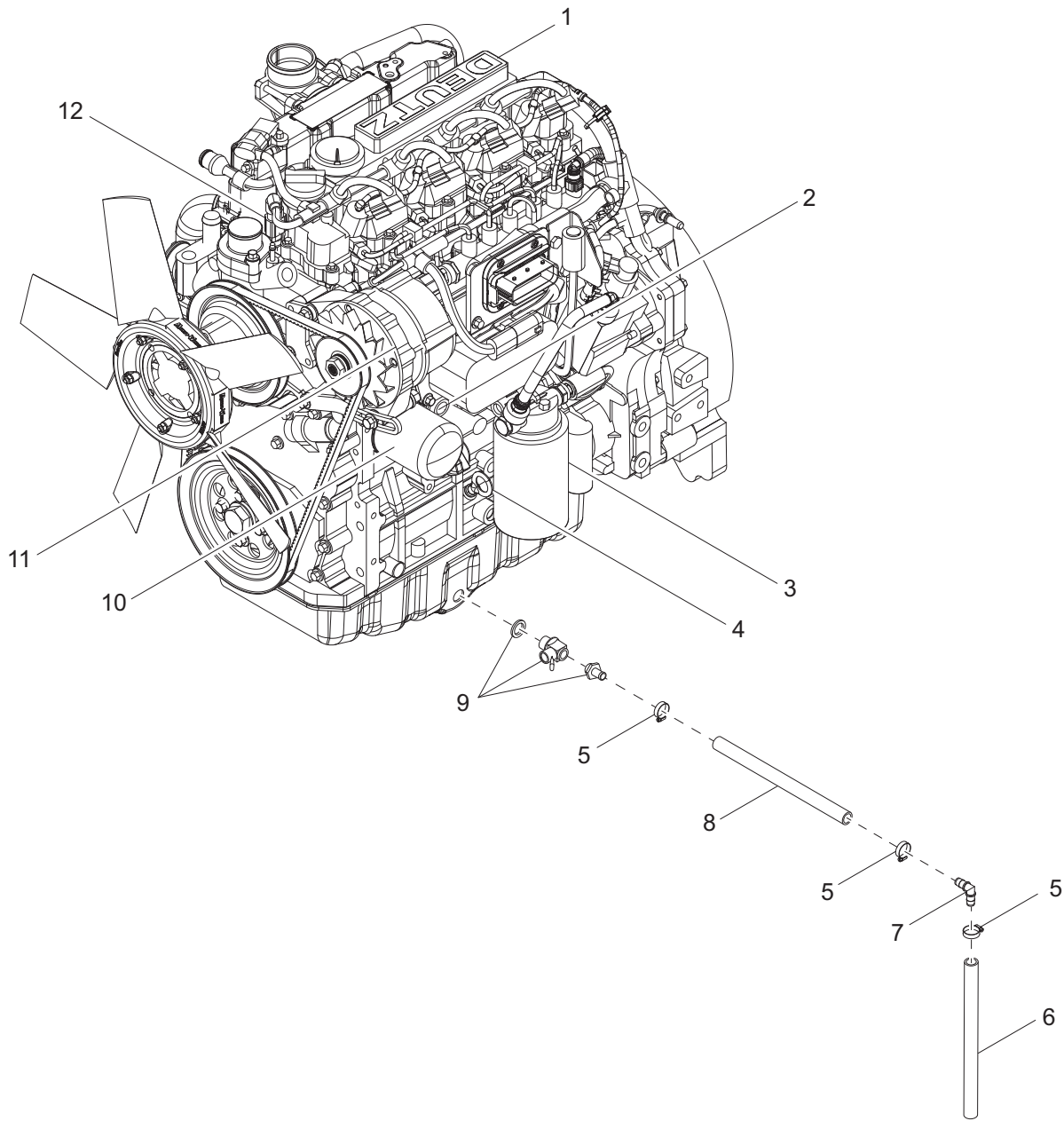


01332

ENGINE AND PUMP TO SKID ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	31593	1	Assembly, engine/pump - Duetz D2.9/Cornell 4.0	
2	62221	12	Nut, .500-13 nylock, G5	
3	60309	14	Washer, .500 flat 1.060/.090	
4	60388	12	Screw, .500-13 x 1.50 std hex, G5	
5	61078	6	Screw, .625-11 x 2.0 flg hex, G8	
6	60240	6	Nut, .625-11 nylock, G5	

ENGINE ASSEMBLY - LEFT SIDE



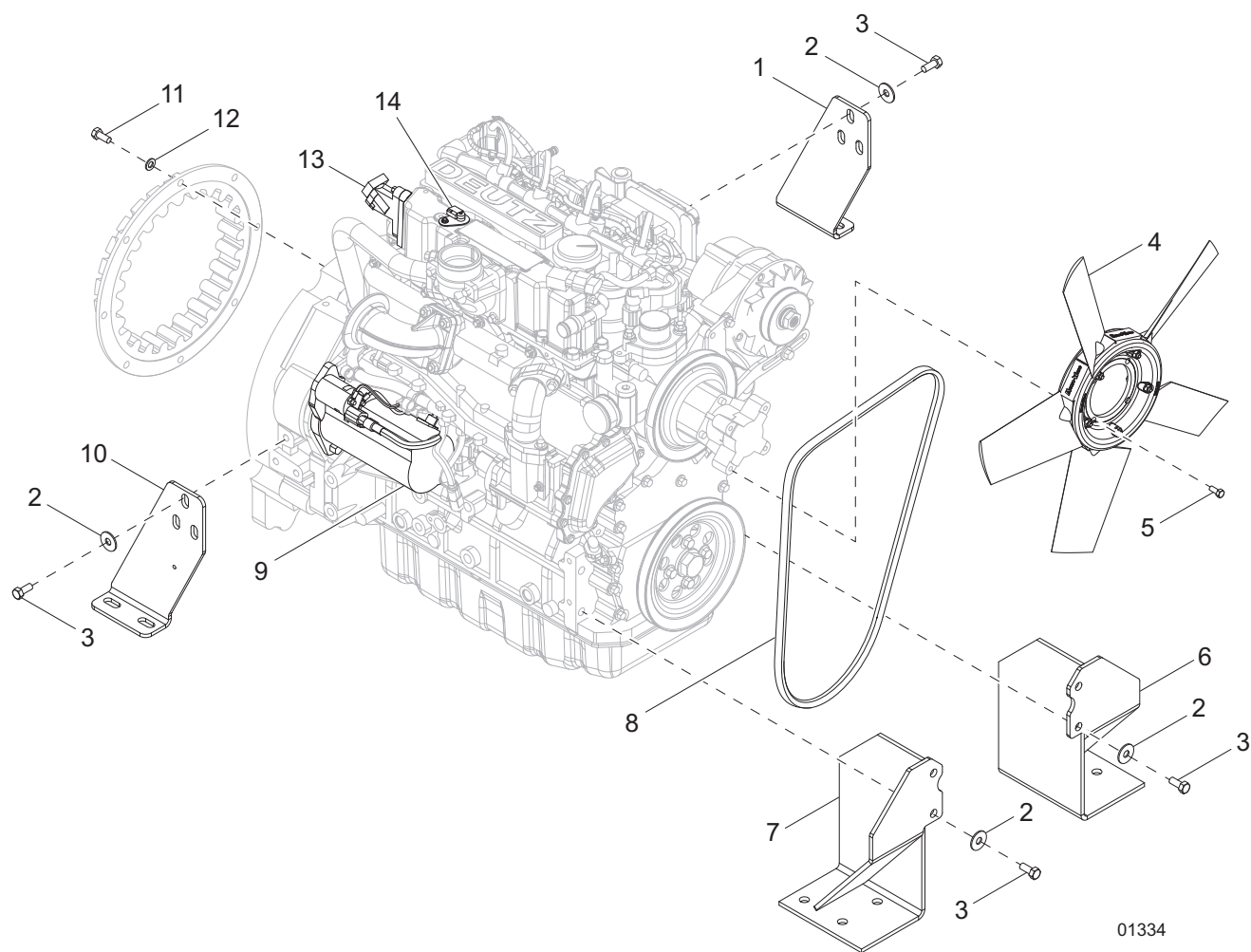
01548

ENGINE ASSEMBLY - LEFT SIDE

Item	Part No.	Qty	Description	Notes
1	31380	1	Engine, Deutz D2.9 - T4F 40hp, variable speed	
2	52223	1	Sensor, oil pressure	
3	52217	1	Filter, fuel	
4	52215	1	Dipstick, oil	
5	14216	3	Clamp, hose - SAE 004 (.21-.62) mini	
6	50051	2 ft	Hose, fuel - .375 ID, 50 psi, SAE 30R7	
7	63367	1	Fitting, 90° - .375 barb x .375 barb	
8	50051	1.5 ft	Hose, fuel - .375 ID, 50 psi, SAE 30R7	
9	60766	1	Valve, drain 18mm-1.5 w/nipple	
10	52212	1	Filter, oil	
11	52214	1	Alternator	
12	52221	1	Sensor, temperature	

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

ENGINE ASSEMBLY - RIGHT SIDE

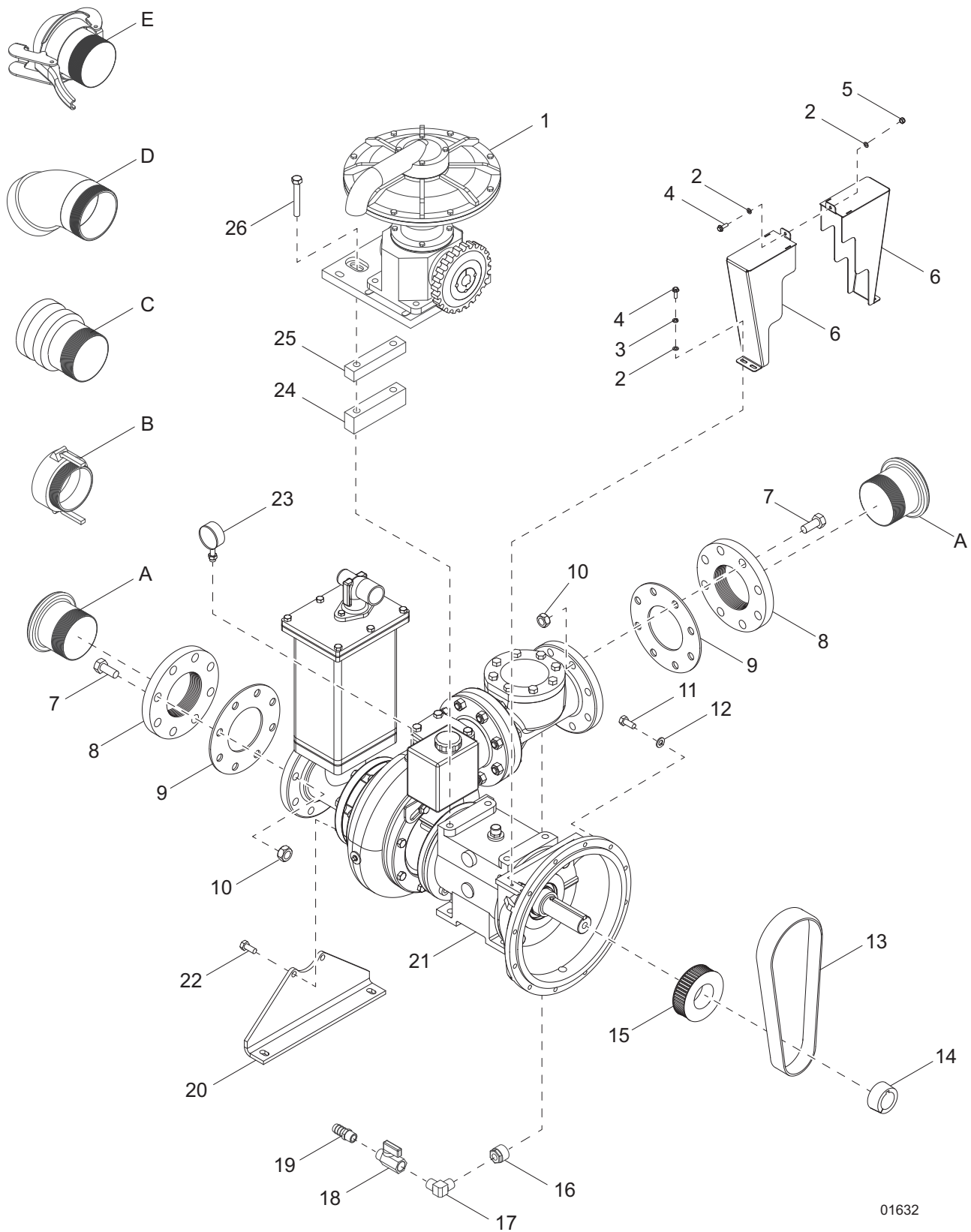


ENGINE ASSEMBLY - RIGHT SIDE

Item	Part No.	Qty	Description	Notes
1	31533B	1	Bracket, engine mount - bell housing, left	
2	60012	10	Washer, M12 flat	
3	62277	10	Screw, M12 - 1.75 x 25 std hex, G10.9	
4	31410	1	Fan, pusher 20.0 CW	
5	61204	4	Screw, M8 - 1.25 x 20 std hex, G10.9	
6	31527B	1	Weldment, engine mount - left	
7	31530B	1	Weldment, engine mount - right	
8	52213	1	Belt, fan	
9	52219	1	Starter	
10	31534B	1	Bracket, engine mount - bell housing, right	
11	63338	8	Screw, M10 - 1.50 x 20 hex, G10.9	
12	60027	8	Washer, M10	
13	52224	1	Sensor, oil pressure - valve cover	
14	52220	1	Sensor, temperature - valve cover	

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

EXTERNAL PUMP ASSEMBLY



01632

EXTERNAL PUMP ASSEMBLY

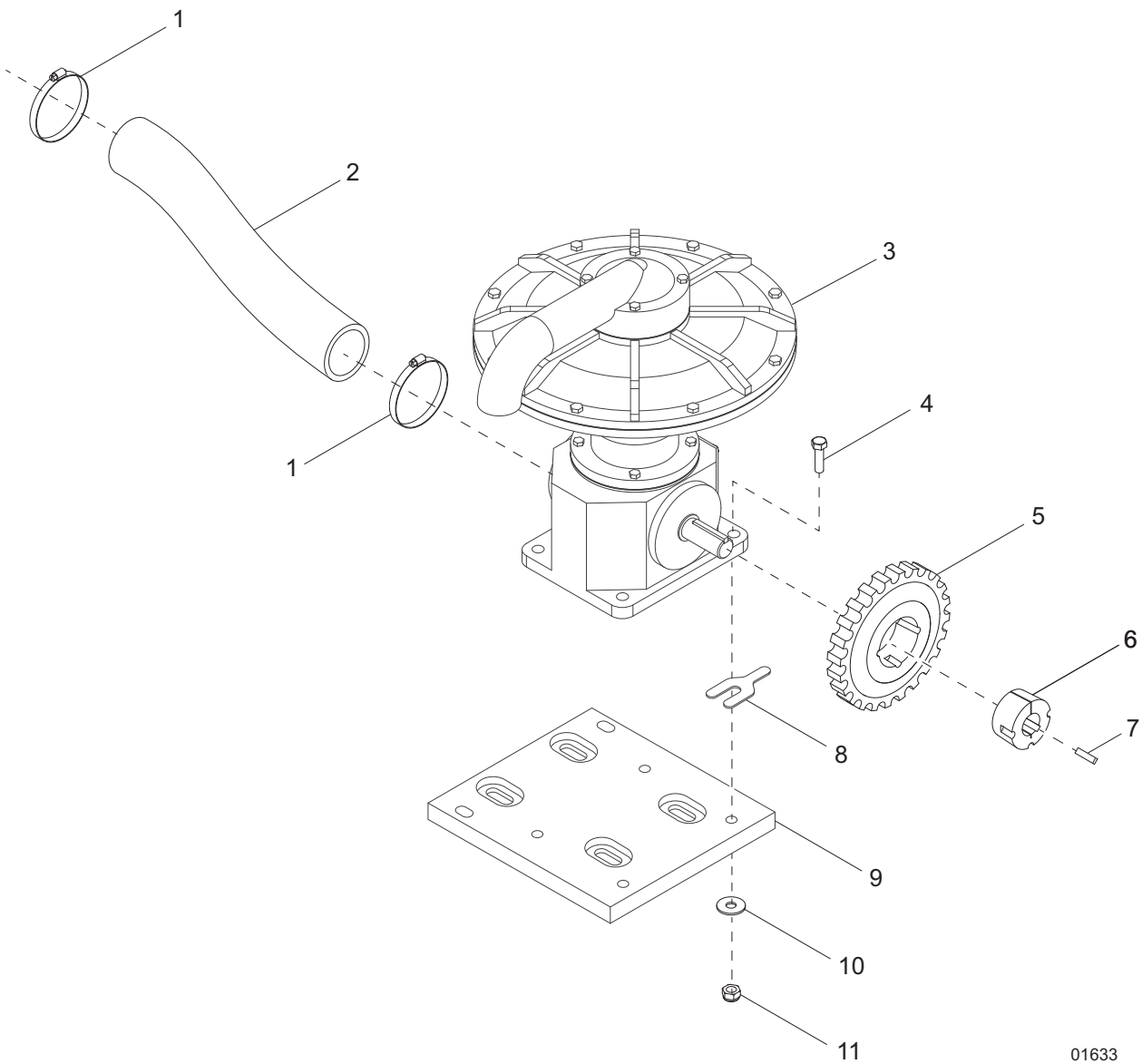
Item	Part No.	Qty	Description	Notes
1	31613B	1	Kit, Cornell Redi-Prime - 4NNTL	
2	60243	6	Washer, .250 flat .735/.060	
3	60286	4	Washer, .250 split lock	
4	60523	5	Screw, .250-20 x .875 sflg hex	
5	60144	1	Nut, .250-20 nylock, G5	
6	61608B	2	Guard, belt	
7	60170	16	Screw, .625-11 x 2.75 std hex, G5	
8	41305B	2	Flange, 4.00NPT female, ANSI 150 lb	
9	41155	2	Gasket, pump flange - 4.00	
10	61071	16	Nut, .625-11 jam, G5	
11	60055	12	Screw, M10 - 1.50 x 35 std hex, G10.9	
12	60027	12	Washer, M10 flat	
13	63379	1	Belt, pump	Included with item 1
14	63378	1	Bushing, taper lock - 2012 x 1.75 bore	Included with item 1
15	63376	1	Pulley, driver - 48 tooth	Included with item 1
16	63117	1	Fitting, strt - 1.0MNPT x .375FNPT	
17	23069	1	Fitting, 90° - .375MNPT, brass	
18	62032	1	Valve, ball .375FNPT, mini	
19	25931	1	Fitting, strt - .375NPT x .625 barb	
20	31594B	1	Bracket, pump support	
21	31383B	1	Pump, trash - 4.00 dry prime Cornell, 8.25 dia	
22	63186	2	Screw, .500-13 x 1.250 std hex, G5	
23	49420	1	Gauge, vacuum 0-30 HG, 2.50 dial, .25NPT	
24	31662B	2	Spacer, small	Included with item 1
25	31661B	2	Spacer, large	Included with item 1
26	62103	4	Screw,	Included with item 1

OPTIONAL FEATURES

Inlet and Outlet Fittings:

A	41326	1	Socket, 4.0 x 4.0NTP male, galv
B	41328	1	Coupler, cam and groove - 4.0 female x 4.0NPT male
C	41586	1	Coupler, cam and groove - 4.0 male x 4.0NPT male
D	41584B	1	Weldment, pump fitting - 4.0NPT, 45° male/female
E	41324	1	Ball and lock ring, 4.0 x 4.0NTP male galv.

VACUUM PUMP ASSEMBLY

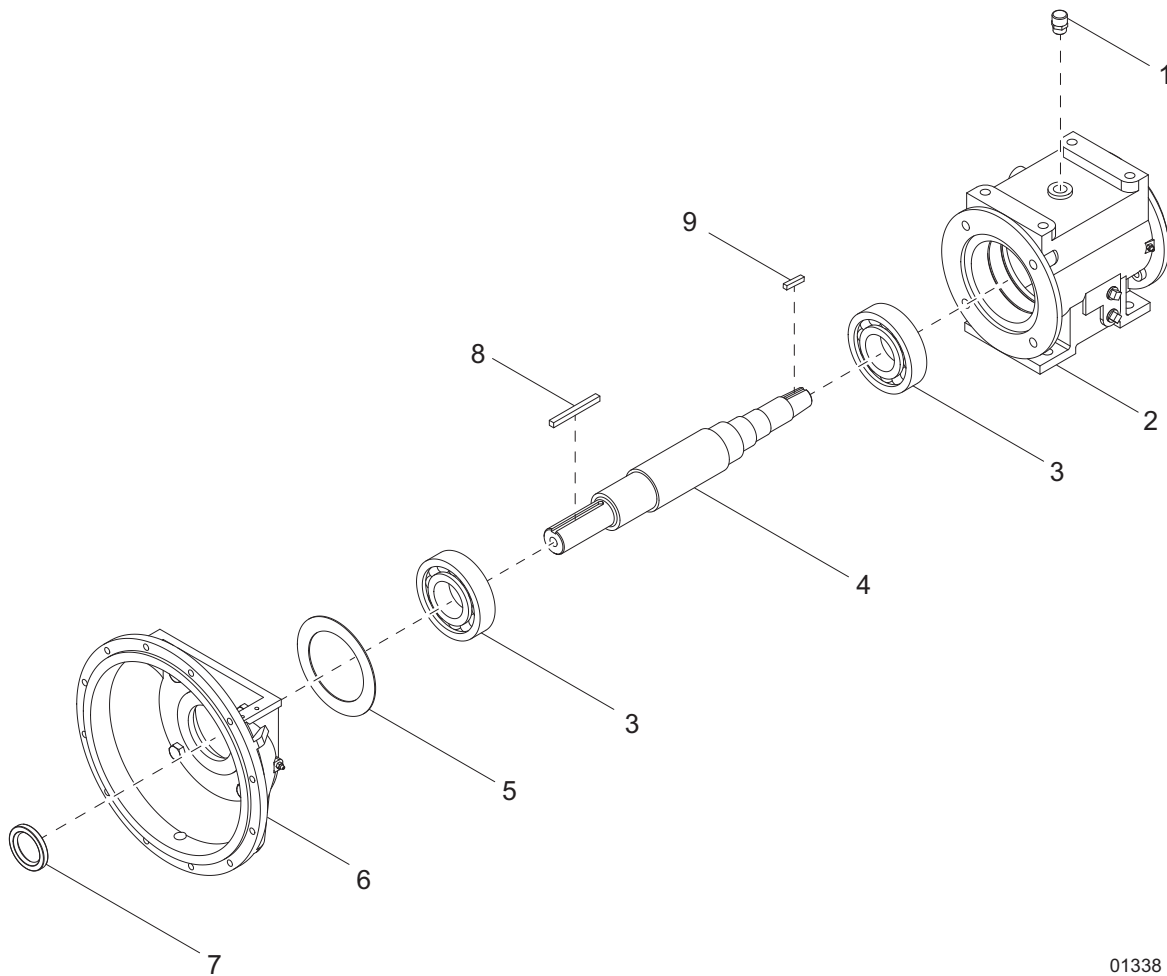


01633

VACUUM PUMP ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	60316	2	Clamp, hose	
2	40253	1	Hose, priming chamber	
3	31613B	1	Vacuum pump	
4	63202	4	Capscrew	
5	63375	1	Pulley	
6	63377	1	Bushing, taper lock	
7	63380	1	Key	
8	63257	4	Shim, .0156 in	
--	63183	4	Shim, .0312 in	
--	63258	4	Shim, .0625 in	
9	31659B	1	Table, pump support	
10	60243	4	Washer	
11	60668	4	Nut	
--	63372	1	Assembly, vacuum pump	

BEARING FRAME ASSEMBLY

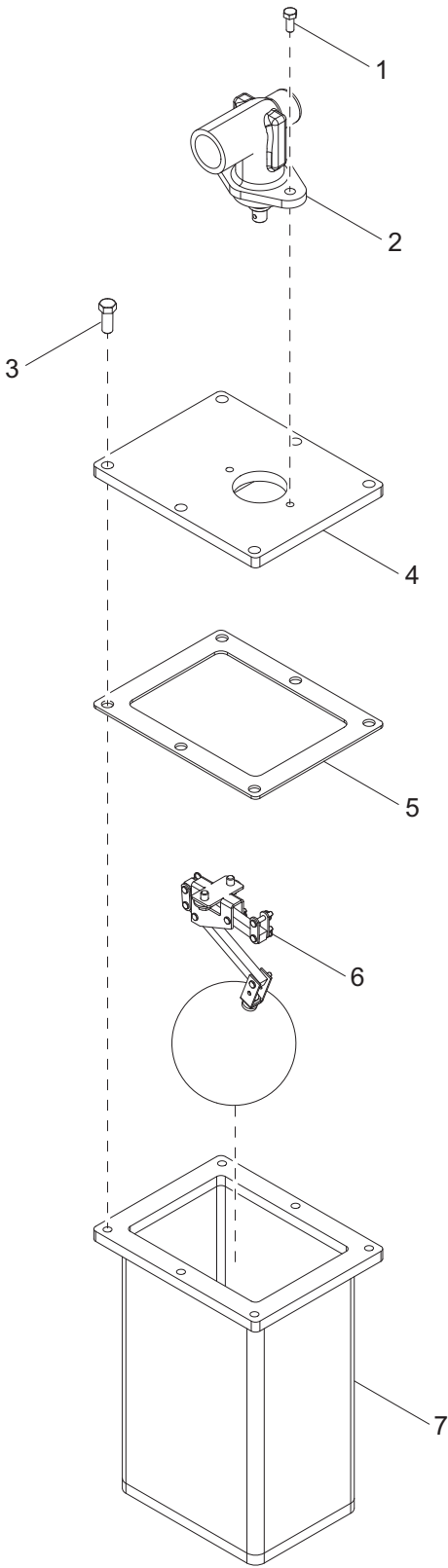


01338

BEARING FRAME ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	52034	1	Breather, .500NPT	
2	52032	1	Frame, pump	
3	52037	2	Bearing, 16B	
4	52036	1	Shaft, F85 frame	
5	52041	1	Shim, .010	
6	52043	1	Bracket, engine - SAE #4	
7	52038	1	Seal, lip	
8	52104	1	Key, drive end .380 x 4.0	
9	52025	1	Key, impeller .310 x 1.38	

PRIMING CHAMBER ASSEMBLY

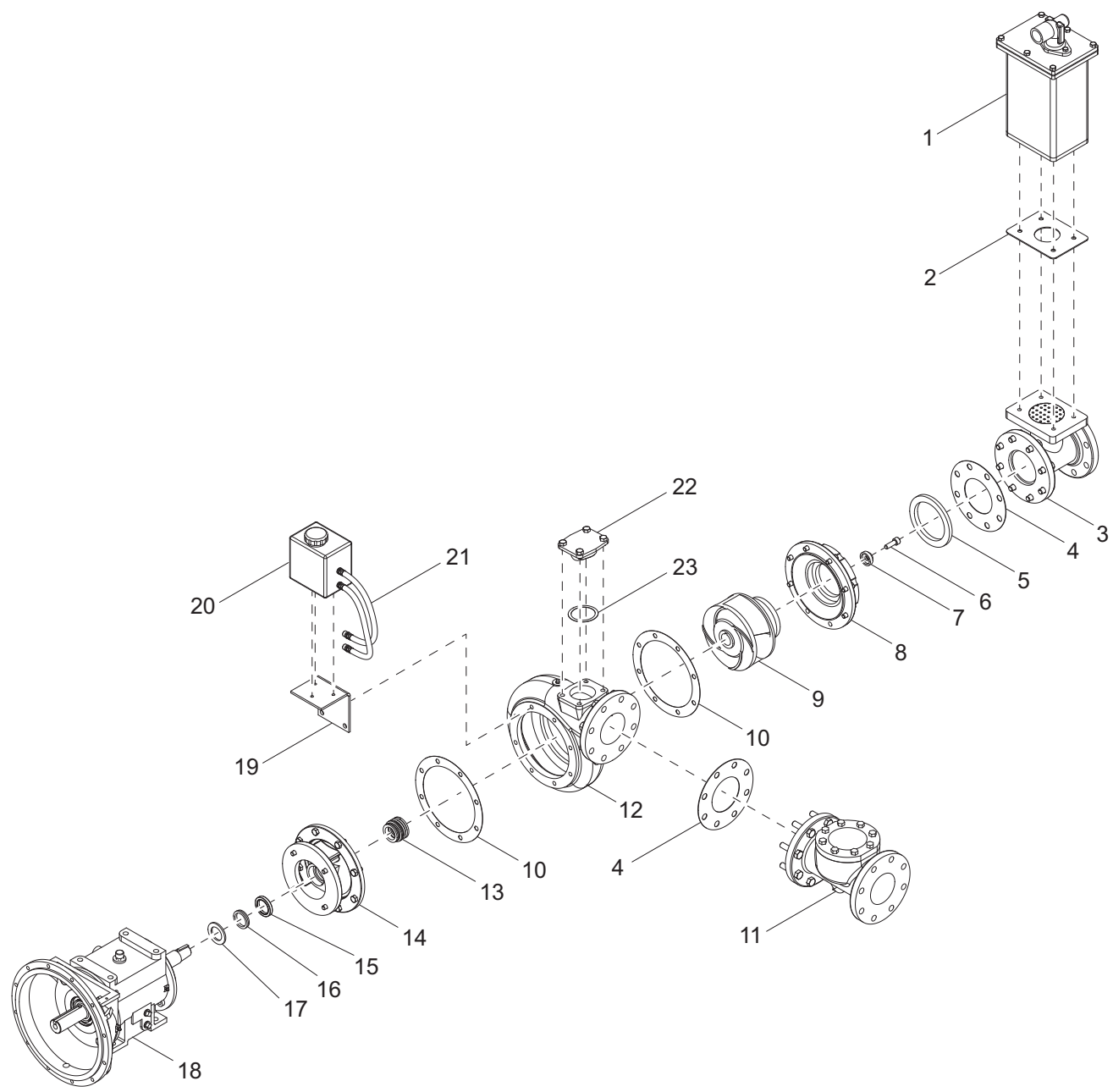


01637

PRIMING CHAMBER ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	52167	2	Capscrew, hex .31NC x .50	
2	31656	1	Valve, priming chamber	
3	52178	6	Screw, .440 x 1.25 std hex, SS	
4	52163	1	Cover, priming chamber	
5	52177	1	Gasket, priming chamber - upper	
6	52165	1	Assembly, float linkage	
7	52180	1	Priming chamber	
--	52162	1	Assembly, priming chamber	

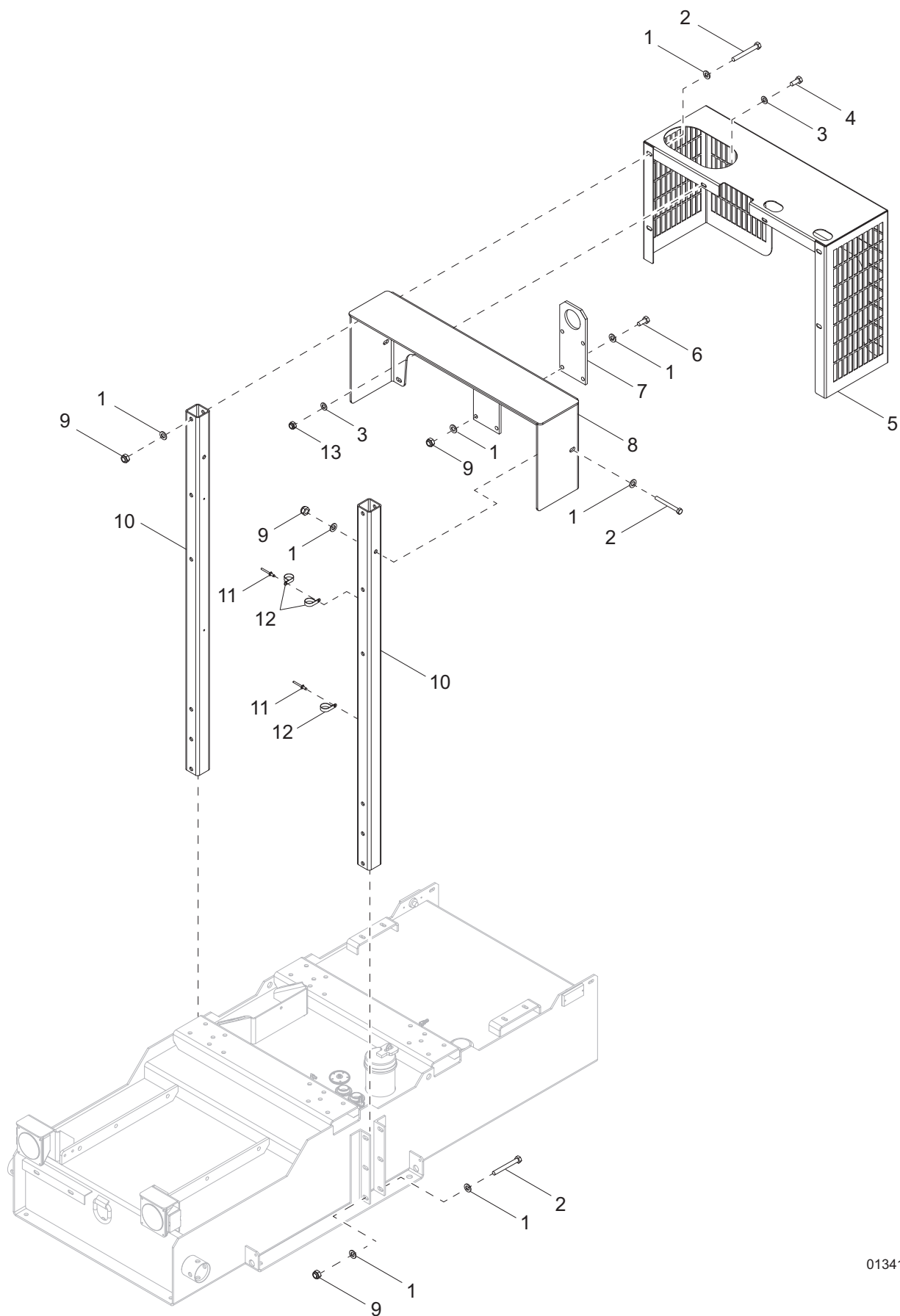
INTERNAL PUMP ASSEMBLY



01340

INTERNAL PUMP ASSEMBLY

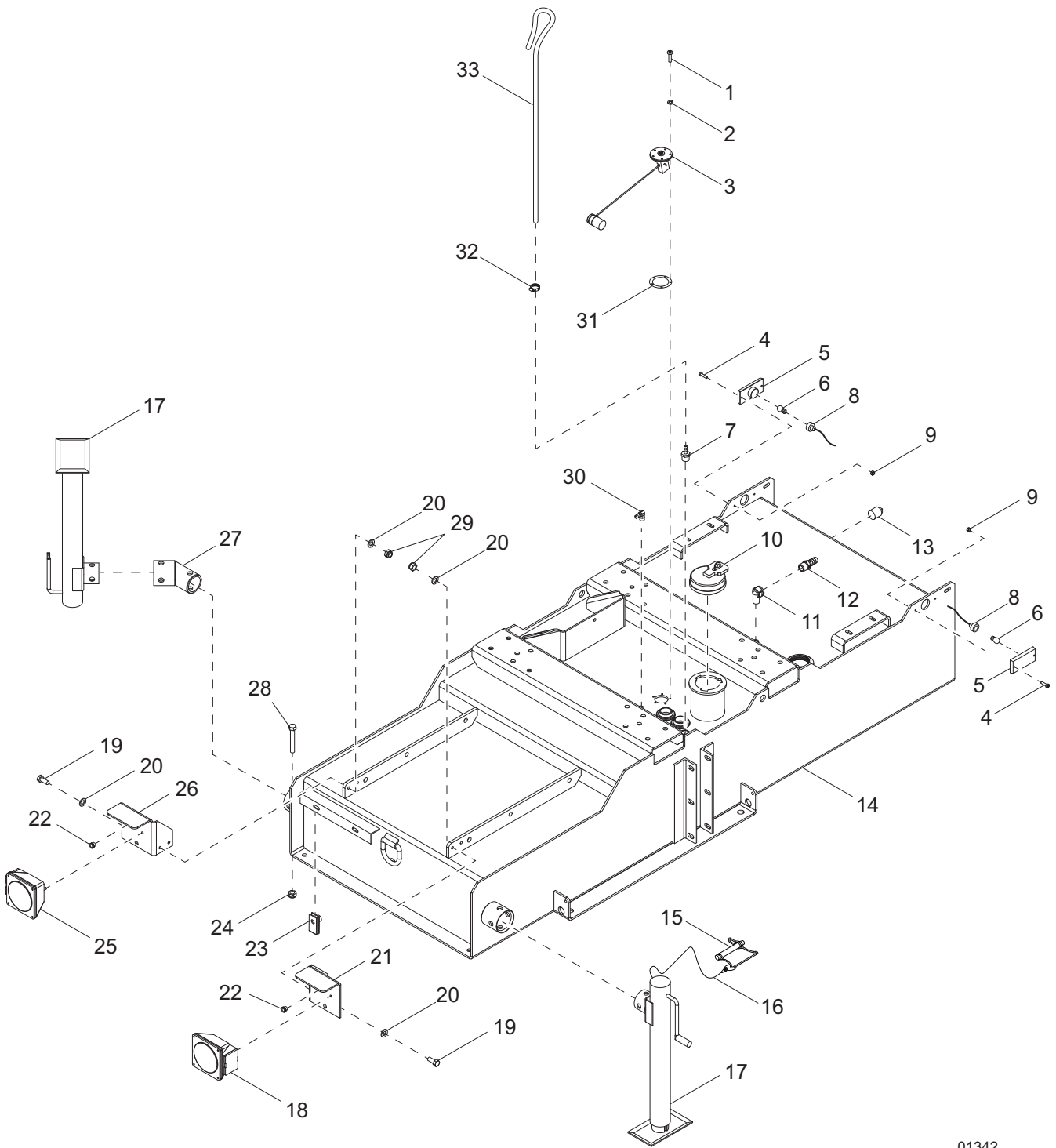
Item	Part No.	Qty	Description	Notes
1	Page 24	1	Assembly, priming chamber	
2	52077	1	Gasket, separator box - lower	
3	52091	1	Spool, RP 4 x 4 fab, mini	
4	52092	2	Gasket, 4 in. full face	
5	52011	1	Ring, wear - 4NNTL (open)	
6	52024	1	Lockscrew, .50NC x 1.50, socket head	
7	52023	1	Washer, impeller, 4NNTL	
8	52012	1	Cover, suction 4NNTL-1 w/w ring	
9	52022	1	Impeller, 4NNTL-3R w/back vanes	
10	52021	2	Gasket, volute	
11	52094	1	Valve, no.504 - 4.0 x 4.0	
12	52016	1	Volute, 4NNTL-2 w/clean out	
13	52028	1	Seal, 1622S RP	
14	52026	1	Backplate/bracket, 4NNTL-38	
15	52030	1	Seal, lip - 1.75 x 2.50 x .375	
16	52031	1	V-ring	
17	53039	1	Seal, lip	
18	Page 22	1	Assembly, bearing frame	
19	31619B	1	Bracket, oil reservoir	
20	52050	1	Reservoir, oil w/cap - run-dry	
21	52159	2	Hose, .38 ID	
22	52017	1	Cover, clean out	
23	52018	1	Gasket, clean out cover	



01341

LIFT STRUCTURE ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	60309	32	Washer, .500 flat 1.060/.090	
2	50215	12	Screw, .500-13 x 4.0 std hex, G5	
3	60386	4	Washer, .375 flat .993/.064	
4	60205	2	Screw, .375-16 x 1.0 std hex, G5	
5	31605B	1	Shield, heat	
6	60484	4	Screw, .500-13 x 2.0 std hex, G5	
7	41080B	1	Bracket, lift eye	
8	31584B	1	Bracket, lift support	
9	62221	16	Nut, .500-13 nylock, G5	
10	31585B	2	Tube, lift structure	
11	60195	2	Rivet, .188 dia. x .375 to .500 grip	
12	15627	3	Clamp, tubing - .625 heavy duty	
13	60358	2	Nut, .375-16 nylock, G5	

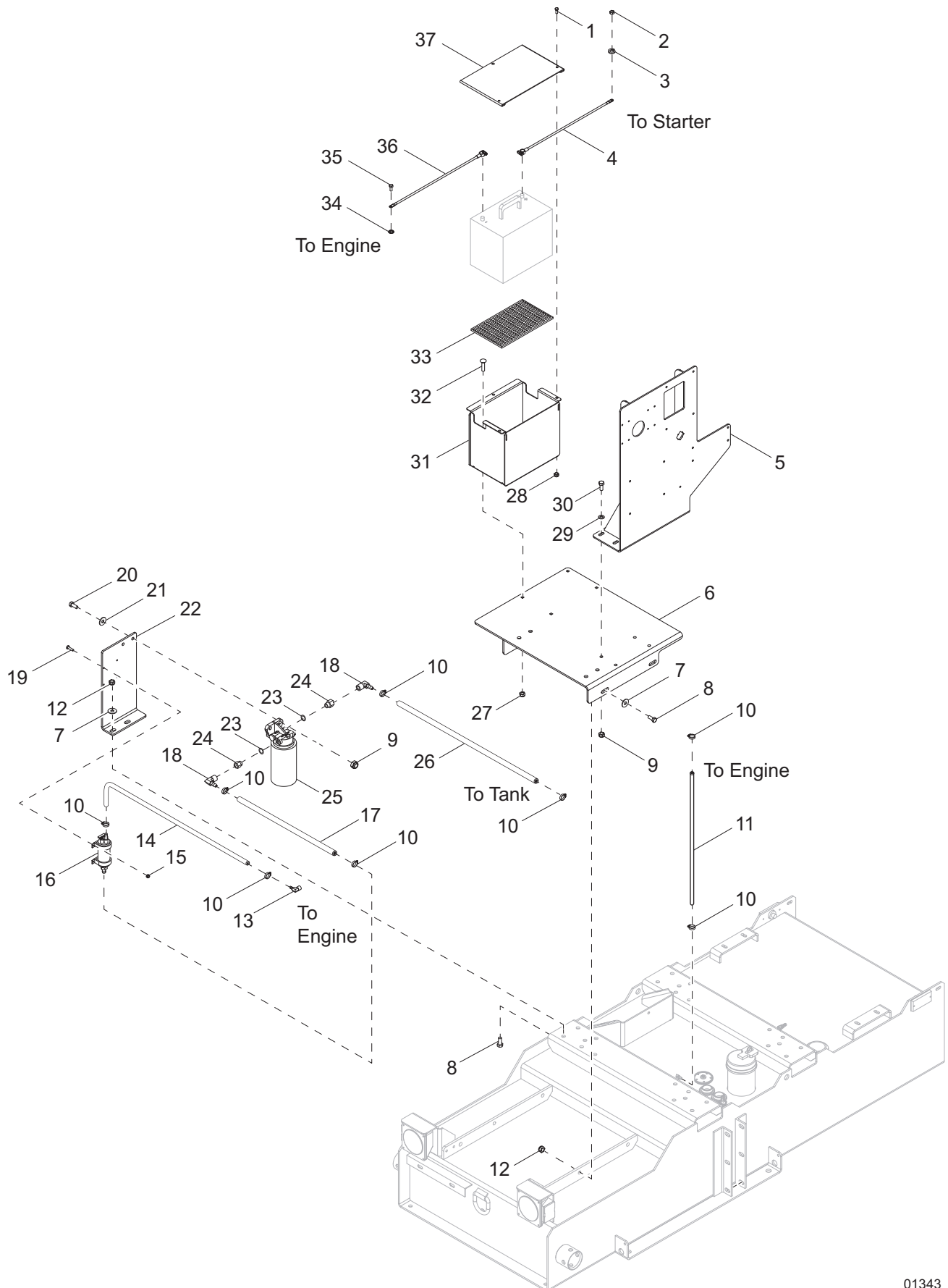


01342

FUEL TANK ASSEMBLY (1 OF 2)

Item	Part No.	Qty	Description	Notes
1	60156	5	Screw, M5-.80 x 16 pan phil, G4.8	
2	60252	5	Washer, #10 split lock	
3	20571	1	Sender, fuel - 10-15 in. tank	
4	60406	4	Screw, 8-32 x 1.0 pan phil, G2	
5	66373	2	Lens, light, clearance marker - amber	
6	65661	2	Bulb, light - clearance marker	
7	60999	1	Fitting, strt - .500MNPT x .312 barb, brass	
8	65662	2	Plug, light - clearance marker	
9	60270	4	Nut, 8-32 nylock, class 6	
10	23707	1	Cap, fuel fill - 3.50	
11	23146	1	Fitting, 90° - .250MNPT x .375FNPT brass	
12	21339	1	Fitting, strt - .375NPT x .500 barb	
13	60498	1	Fitting, square plug - .750NPT	
14	41278B	1	Weldment, fuel tank/chassis	
15	23256	1	Pin, jack - 2000 lb, tube-mounted	
16	12647	1	Cable, tether - jack pin and ground rod cover	
17	41133	2	Jack, side wind - 2000 lb, tube-mounted	
18	49626	1	Light, stop/turn/tail - waterproof - LED right	
19	62001	4	Screw, .312-18 x 1.250 std hex, G5	
20	60119	8	Washer, .312 flat .875/.070	
21	41101B	1	Bracket, tail light mounting - right	
22	19163	2	Fitting, bushing - .500 OD x .375 ID	
23	61147	2	Nut, .312-18 U-clip, long type, G5	
24	60240	1	Nut, .625-11 nylock, G5	
25	49627	1	Light, stop/turn/tail - waterproof w/LP - LED left	
26	41102B	1	Bracket, tail light mounting - left	
27	31617B	1	Weldment, jack support	
28	63337	1	Screw, .625-11 x 4.50 hex, G8	
29	60303	4	Nut, .312-18 nylock, G2	
30	20645	1	Fitting, 90° - .250NPT x .375 barb, brass	
31	22323	1	Gasket, sending unit	
32	14216	1	Clamp, hose - SAE 004 (.21x.62) mini	
33	50343	3.16 ft	Hose, fuel - .312 ID x .562 OD, 60 psi	
--	41123	1	Harness, trailer light	
--	60353	1	Screw, .375-16 x 1.0 flg hex, self-tapping, G2	Use with item 41123
--	60698	1	Washer, .375 flat .875/.040, SS	Use with item 41123
--	60053	1	Washer, .375 external star	Use with item 41123
--	67856	1	Harness, trailer extension assembly	
OPTIONAL FEATURES				
<i>Harness - Electric Brake:</i>				
--	65899	1	Harness, electric brake	

FUEL TANK ASSEMBLY (2 OF 2)

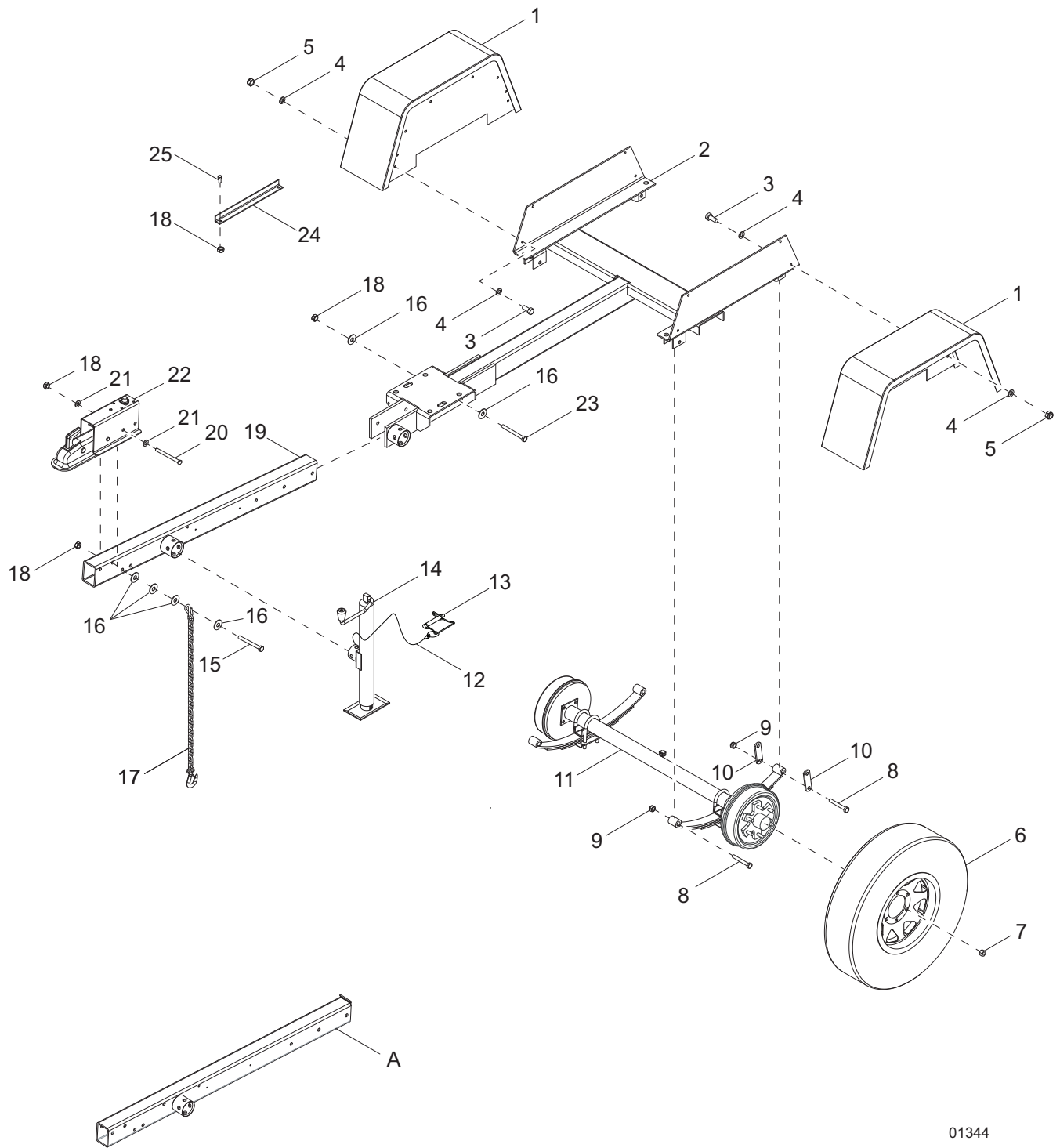


01343

FUEL TANK ASSEMBLY (2 OF 2)

Item	Part No.	Qty	Description	Notes
1	60393	3	Screw, .250-20 x 1.0 std hex, G5	
2	60032	1	Nut, M8-1.25 hex, G8.8	
3	60271	1	Washer, .312 split lock	
4	24777	1	Cable, battery - 54 in. 2GA red w/lead, 3/8 in. lug	
5	31538B	1	Weldment, control box support	
6	31576B	1	Weldment, pump support	
7	60309	6	Washer, .500 flat 1.060/.090	
8	60388	6	Screw, .500-13 x 1.5 std hex, G5	
9	60358	6	Nut, .375-16 nylock, G5	
10	19453	8	Clamp, hose - SAE 006 (.37-.87)	
11	51021	3.2 ft	Hose, fuel - .375 ID, 125 psi	
12	62221	6	Nut, .500-13 nylock, G5	
13	62145	1	Fitting, 90° - .375MNPT x .375 barb, brass	
14	51021	1.5 ft	Hose, fuel - .375 ID, 125 psi	
15	60061	4	Nut, 10-32 nylock	
16	31451	1	Pump, fuel - Deutz TD2.9	
17	51022	1.5 ft	Hose, fuel - .500 ID, 125 psi	
18	62108	2	Fitting, 90° - .375MNPT x .500 barb, brass	
19	60397	4	Screw, 10-32 x 1.0 pan phil, G2	
20	60139	2	Screw, .375-16 x 1.50 std hex, G5	
21	60698	2	Washer, .375 flat .875/.040, SS	
22	31614B	1	Bracket, filter	
23	63223	2	Seal, M16	
24	33146	2	Fitting, strt - .375FNPT x M16-1.5 male	
25	52216	1	Pre-filter, fuel	
26	51022	3.1 ft	Hose, fuel - .500 ID, 125 psi	
27	60303	4	Nut, .312-18 nylock, G2	
28	60144	3	Nut, .250-20 nylock, G5	
29	60386	4	Washer, .375 flat .993/.064	
30	60352	4	Screw, .375-16 x 1.25 std hex, G5	
31	31560B	1	Box, battery	
32	61066	4	Screw, .312-18 x 1.0 carr sqr, SS	
33	41185	1	Pad, battery - 6.0 x 10.0 in	
34	60369	1	Washer, M12 external star	
35	60019	1	Screw, M12-1.75 x 20 sflg hex, G8.8	
36	31625	1	Cable, battery - 46 in. 2GA black post, 1/2 in. lug	
37	31580B	1	Cover, battery box	

TRAILER ASSEMBLY

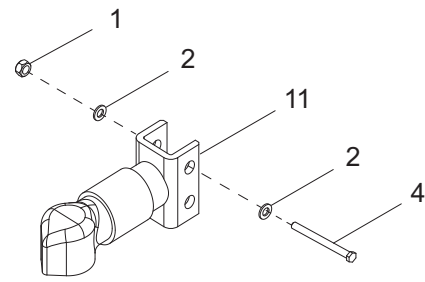
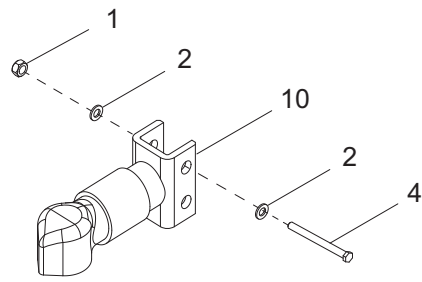
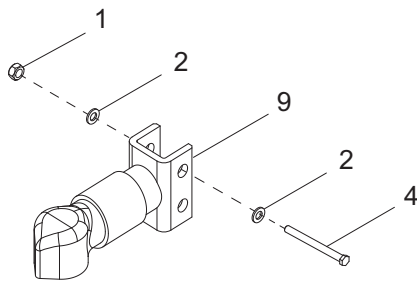
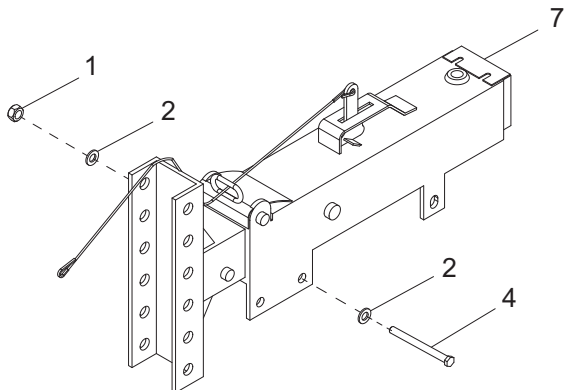
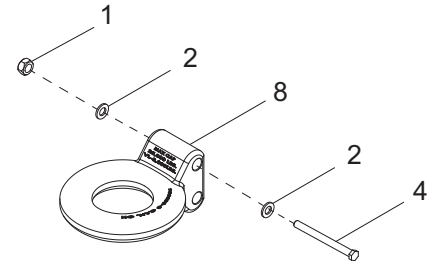
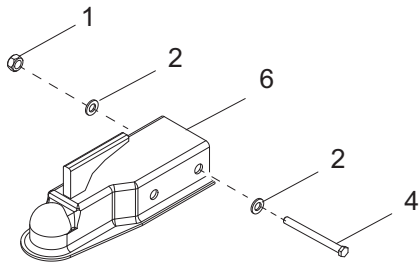
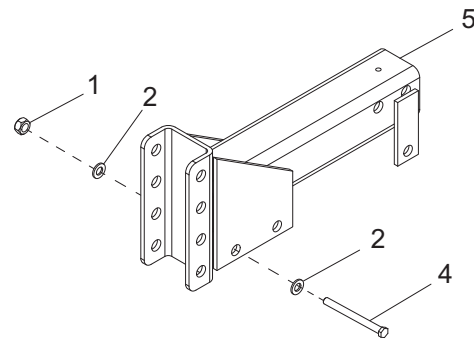
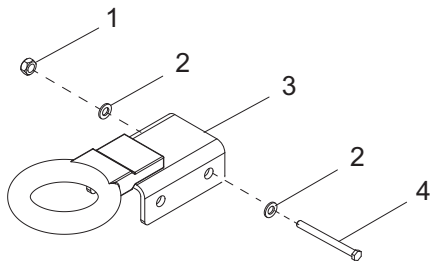


01344

TRAILER ASSEMBLY

Item	Part No.	Qty	Description	Notes
1	22743B	2	Fender, single wheel	
2	24811B	1	Weldment, trailer chassis - flip tongue	
3	61036	8	Screw, .375-16 x 1.25 std hex, SS	
4	60698	16	Washer, .375 flat .875/.040, SS	
5	60358	8	Nut, .375-16 nylock, G5	
6	18377	2	Wheel, ST225/75R15, 2540 lb	
7	60096	12	Nut, .500-20 lug, G5	
8	60503	6	Screw, shackle .562-18 x 3.0 std hex, G5	
9	60504	6	Nut, .562-18 lock hex, G5	
10	19637	4	Plate, shackle bracket - 3.125	
11	Page 38	1	Assembly, axle	
12	12647	1	Cable, tether - jack pin and ground rod cover	
13	23256	1	Pin, jack - 2000 lb, tube-mounted	
14	13051	1	Assembly, jack, 2000 lb top wind, tube-mounted	
15	60376	2	Screw, .500-13 x 4.50 std hex, G5	
16	60416	14	Washer, .500 flat 1.375/.090	
17	23367	2	Chain, safety - 7800 lb	
18	62221	8	Nut, .500-13 nylock, G5	
19	24812B	1	Weldment, tongue - flip non-adjustable actuator	
20	61099	2	Screw, .500-13 x 5.0 std hex, G8	
21	60309	4	Washer, .500 flat 1.060/.090	
22	24304	1	Actuator, hydraulic surge brake - 2 in. ball, 6000 lb	
--	41762	1	O-ring, 24 mm	
23	61104	3	Screw, .500-13 x 5.50 std hex, G8	
24	24691B	1	Brace, tongue shipping	
25	61103	1	Screw, .500-13 x 1.75 sflg hex	
--	24701	1	Assembly, trailer basic	
OPTIONAL FEATURES				
A	30931B	1	Weldment, tongue w/support plate - electric brake	

TRAILER HITCH OPTIONS

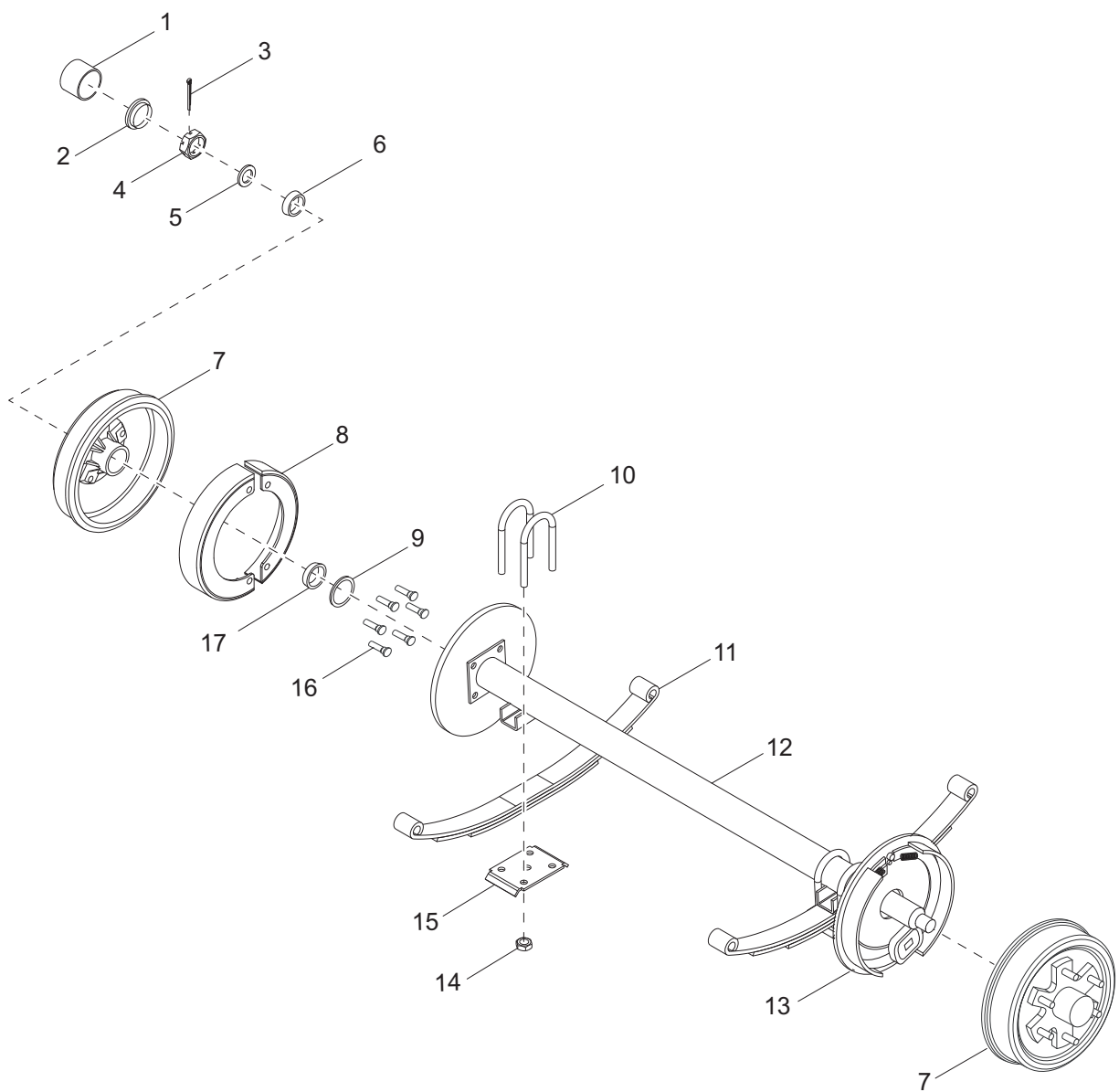


01347

TRAILER HITCH OPTIONS

Item	Part No.	Qty	Description	Notes
1	62221	18	Nut, .500-13 nylock, G5	
2	60309	30	Washer, .500 flat 1.060/.090	
3	11032B	1	Weldment, lunette ring - 3.0 ID	Non-adjustable
4	61099	18	Screw, .500-13 x 5.0 std hex, G8	
5	23162	1	Coupler, 2.0 ball/3.0 channel - 5000 lb	Non-adjustable
6	19379B	1	Weldment, hitch - 4 position, electric brake	Adjustable
7	40529	1	Actuator, hydraulic surge brake - 7500 lb	Adjustable
8	19335B	1	Coupler, lunette ring - 3.0 ID	Requires item 5 or 7
9	19518	1	Coupler, 2.0 ball	Requires item 5 or 7
10	19519	1	Coupler, 2.31 ball	Requires item 5 or 7
11	41795	1	Coupler, 2.31 ball - 12500 lb, Bulldog	Requires item 5 or 7
--	65593	1	Adapter, trailer wiring - 4 pin and 2 pin to 6 pin	Electric Brake
--	65583	1	Adapter, trailer wiring - round 6 pin to round 7 spade	Electric Brake Requires 65593
--	65463	1	Adapter, trailer wiring - flat 4 pin to round 6 pin	Surge Brake
--	65464	1	Adapter, trailer wiring - flat 4 pin to round 7 pin	Surge Brake
--	65465	1	Adapter, trailer wiring - flat 4 pin to round 7 spade	Surge Brake

AXLE ASSEMBLY



01345

AXLE ASSEMBLY

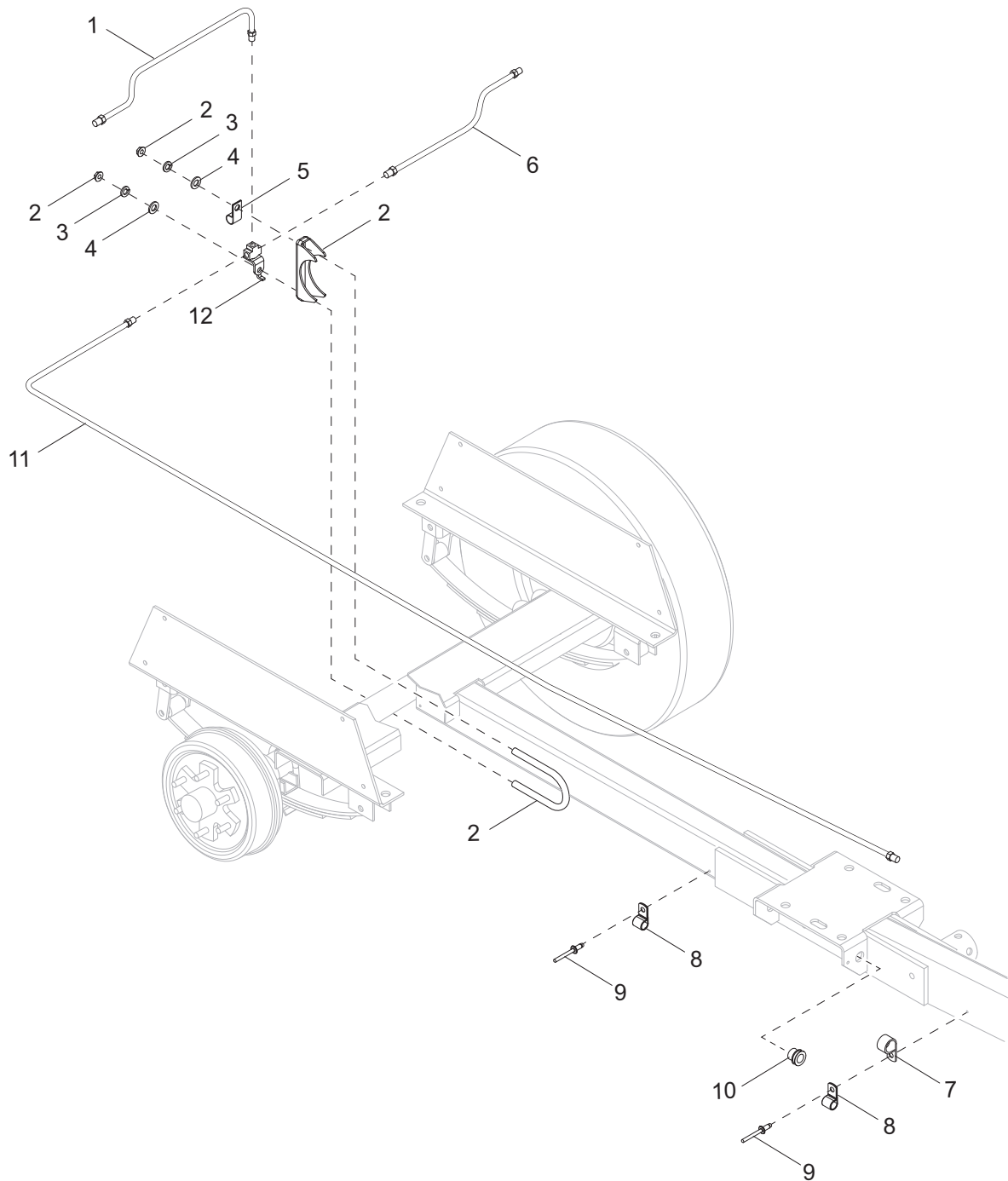
Item	Part No.	Qty	Description	Notes
1	23170	2	Cap, grease - 5000 lb	
2	11254	2	Plug, grease cap - zerk	
3	26583	2	Pin, cotter	
4	12308	2	Nut, spindle	
5	26581	2	Washer, spindle	
6	24831	2	Roller bearing - outer	
7	26452	2	Brake drum - 12 in. 6 holes on 5.5 in	
8	42338	2	Brake pads	
9	24832	2	Bearing seal, axle	
10	40875	4	U-bolt, axle	
11	23912	2	Spring, 5000 lb axle	
12	22877	1	Axle, 5000 lb hydraulic	
13	26572	1	Assembly, surge brake - right	
	26571	1	Assembly, surge brake - left	
14	26441	8	Nut, U-bolt 1/2-20, plated	
15	40874	2	Tie plate, axle	
16	60963	12	Stud, wheel - .500-20, 5000 lb	
17	24830	2	Roller bearing, inner	
--	24796	1	Assembly, axle, 5000 lb - hydraulic brake	

OPTIONAL FEATURES

Axle - Electric Brake:

--	22876	1	Axle, 5000 lb electric
--	26573	1	Assembly, electric brake - left
--	26574	1	Assembly, electric brake - right

TRAILER BRAKE LINES



01346

TRAILER BRAKE LINES

Item	Part No.	Qty	Description	Notes
1	40495	1	Line, brake .188 x 20.0	
2	61064	1	Clamp, muffler - 3.0 light duty	
3	60341	2	Washer, M8 split lock, SS	
4	60166	2	Washer, M8 flat	
5	61010	1	Clamp, tubing - .375 heavy duty	
6	40494	1	Line, brake .188 x 30.0	
7	16143	4	Clamp, tubing - .500	
8	15626	6	Clamp, tubing - .375 light duty	
9	60231	7	Rivet, .188 dia x .375 to .500 grip	
10	22340	2	Fitting, bushing - 1.0 OD x .750 ID	
11	24688	1	Hose, brake - .188 x 136.0 male/male	
12	19252	1	Fitting, strt - .188 brake line T w/bracket	

RECOMMENDED SPARE PARTS LIST

ENGINE

Alternator, engine.....	52214
Belt, fan	52213
Dipstick,	52215
Element, air filter	22874
Fan, pusher	31410
Pre-filter, fuel	52216
Filter, fuel	52217
Filter, oil	52212
Hose, radiator - lower	31440
Hose, radiator - upper.....	31439
Pump, fuel	31451
Sender, fuel	20571
Sensor, temp, valve cover	52220
Sensor, temp	52221
Sensor, low coolant	68206
Sensor, oil pressure, valve cover.....	52224
Sensor, oil pressure	52223
Starter, engine	52219

PUMP

Belt, pump	63379
Vacuum Pump	31613B
Impeller	52022
Mechanical seal	52028
Wear plate	52011

ELECTRICAL

Controller, LOFA 750	31504
E-stop switch	65470
E-stop contactor NO/NO.....	65584
Relay, 12V/70A NC/80A NO w/diode (glow plug).....	66455

TRAILER

Jack, side wind (rear)	41133
Jack, top wind (tongue)	13051
Cap, fuel fill	23707

NOTES

[illegible]

NOTES

