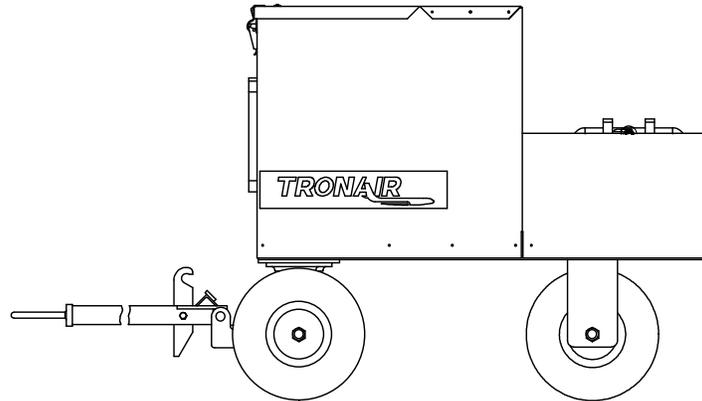




## Operation & Service Manual



### Model: 06-5084-1500 Fluid Servicing Unit

07/2014 – Rev. 01

**Includes Illustrated Parts List**

REVISION  
01

DATE  
07/2014

TEXT AFFECTED  
Original Release

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This product can not be modified without the written approval of Tronair, Inc. Any modifications done without written approval voids all warranties and releases Tronair, Inc., its suppliers, distributors, employees, or financial institutions from any liability from consequences that may occur. Only Tronair OEM replacement parts shall be used.

## 1.0 GENERAL DESCRIPTION

The Fluid Reservoir Service Unit is a compact unit primarily designed to provide a source of clean fluid for filling reservoirs. It is not intended for performing any pressure testing tasks.

## 2.0 SPECIFICATIONS

<b>Model Number:</b>	06-5084-1500
<b>Fluid:</b>	MIL-PRF-5606/ / MIL-PRF-83282
<b>Maximum Pressure:</b>	150 psi (10.3 bars)
<b>Filter:</b>	2 Micron
<b>Dimensions:</b>	Length: 45 in (114.3 cm)
	Width: 29 in (74.7 cm)
	Height: 31 5/8 in (80 cm)
<b>Weight:</b>	250 lbs (113.4 kg)
<b>Pump Displacement:</b>	7.8 cubic in/stroke (127.82 cc/stroke)
<b>Hose:</b>	15 ft (4.6 m)
<b>Reservoir Capacity:</b>	15 gal (57 l) Stainless Steel
<b>Maximum Towing Speed:</b>	10 mph (16.1 k/hr)
<b>Paint:</b>	Powder Coat Tronair Blue

## 3.0 FEATURES

- Pneumatic tires
- Replaceable filter element

## 4.0 PREPARATION FOR USE

The unit is shipped fully assembled, and only the following steps are required to make it operational:

1. Fill reservoir with the correct fluid until fluid level is slightly above the minimum oil level mark.



### CAUTION!

**Only use the type of fluid for which the unit is designed. Using other fluids will cause contamination and seal deterioration.**

2. Operate hand pump several times to fill line and purge air. Install coupling at hose end if applicable.

## 5.0 OPERATION

### To Use The Unit:

1. Securely attach hose to aircraft.
2. Operate pump handle at a slow to moderate pace with even pressure.

**NOTES:**

1. *It is not necessary to operate pump rapidly. The pump moves a large volume of oil per stroke and will fill a reservoir much faster than standard pumps.*
2. *A slow movement of the pump handle with a steady pressure works best.*

### When Service Has Been Completed:

1. Disconnect hose from aircraft.
2. Replace protective cap on hose end to prevent dirt ingestion.

## 6.0 MAINTENANCE

**Tires:** Maintain 45 – 50 psi (3.1 – 3.4 bars) tire pressure.

**Filters:** The 2 micron pressure filter is of a non-bypass design. This means that, if filter becomes clogged, no fluid will pass to the aircraft *and* a high handle force will result. If this happens, service the filter. **Do not** force the pump handle as damage to unit components could result.

**Service:** The 2 micron pressure filter inside the unit is of a throw-away design and is *not cleanable*.

## 7.0 GUARANTEES/LIMITATION OF LIABILITY

Tronair products are warranted to be free of manufacturing or material defects for a period of one year after shipment to the original customer. This is solely limited to the repair or replacement of defective components. This warranty does not cover the following items:

- a) Parts required for normal maintenance
- b) Parts covered by a component manufacturers warranty
- c) Replacement parts have a 90-day warranty from date of shipment

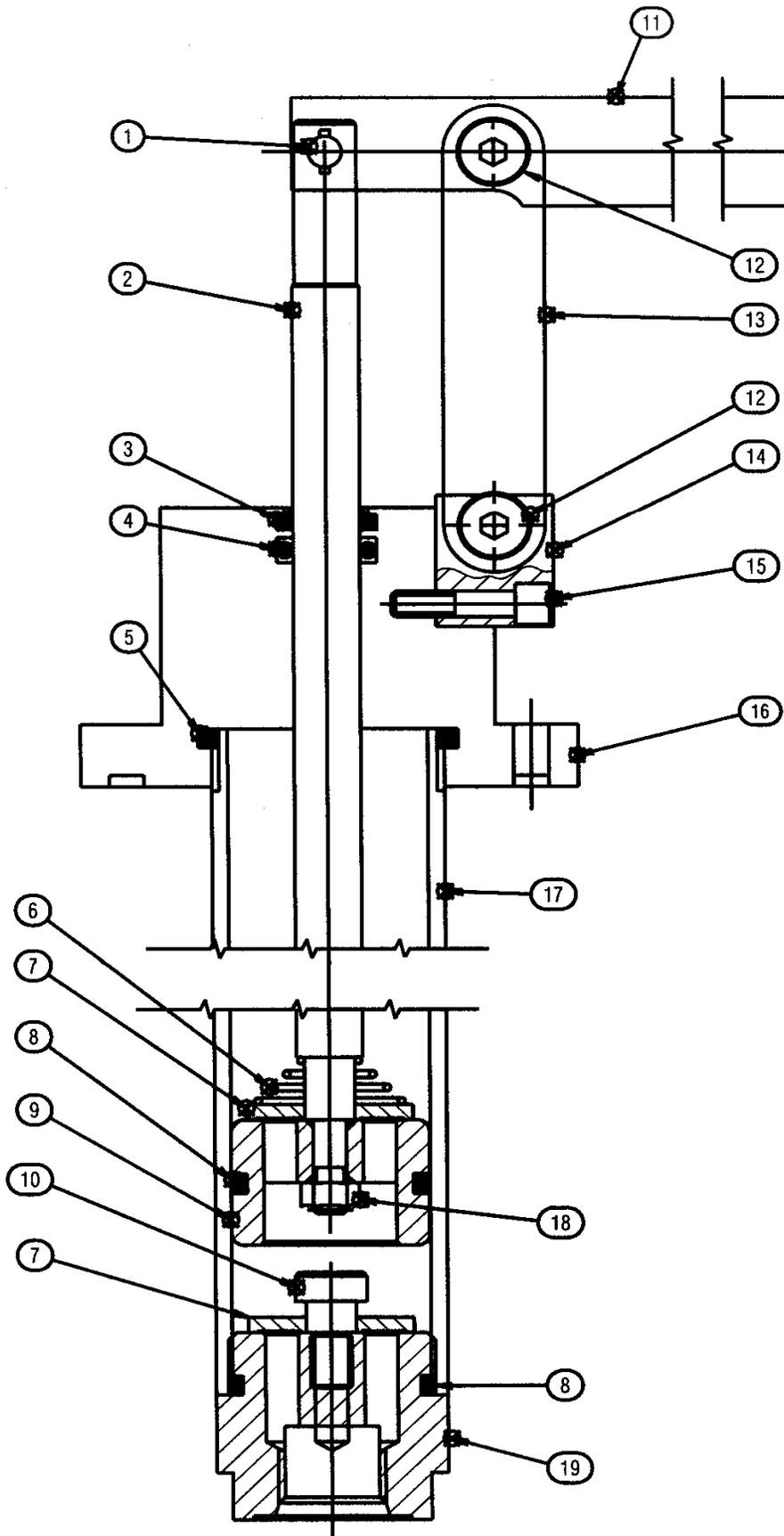
If you have a problem that may require service, contact Tronair immediately. Do not attempt to repair or disassemble a product without first contacting Tronair, any action may affect warranty coverage. When you contact Tronair be prepared to provide the following information:

- a) Product Model Number
- b) Product Serial Number
- c) Description of the problem

If warranty coverage is approved, either replacement parts will be sent or the product will have to be returned to Tronair for repairs. If the product is to be returned, a Return Material Authorization (RMA) number will be issued for reference purposes on any shipping documents. Failure to obtain a RMA in advance of returning an item will result in a service fee. A decision on the extent of warranty coverage on returned products is reserved pending inspection at Tronair. Any shipments to Tronair must be shipped freight prepaid. Freight costs on shipments to customers will be paid by Tronair on any warranty claims only. Any unauthorized modification of the Tronair products or use of the Tronair products in violation of cautions and warnings in any manual (including updates) or safety bulletins published or delivered by Tronair will immediately void any warranty, express or implied.

The obligations of Tronair expressly stated herein are in lieu of all other warranties or conditions expressed or implied. **Any unauthorized modification of the Tronair products or use of the Tronair products in violations of cautions and warnings in any manual (including updates) or safety bulletins published or delivered by Tronair will immediately void any warranty, express or implied and Tronair disclaims any and all liability for injury (WITHOUT LIMITATION and including DEATH), loss or damage arising from or relating to such misuse.**

**HC-2252/HC-2172/HC-2173 Hand Pump Section View**



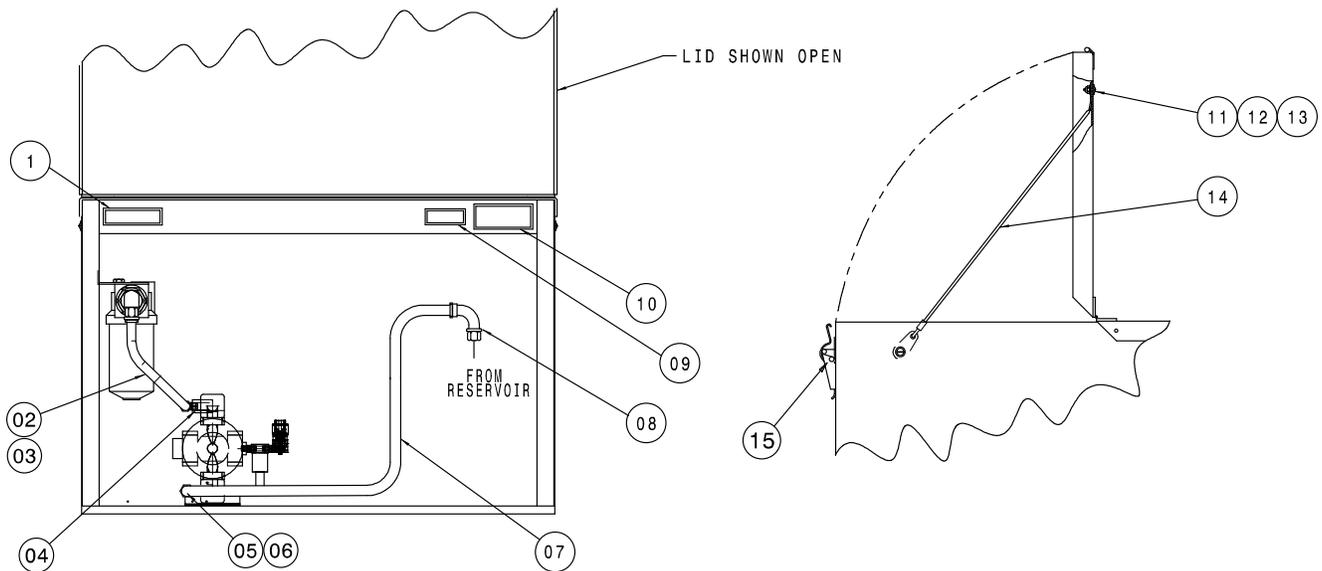
### Parts List

When ordering replacement parts/kits, please specify model, serial number and color of your unit.

Item	Part Number	Description	Qty
2	CXD-020046-004-1	Piston Rod	1
6	CENT-TA-2098	Spring	1
7	CXD-020004-006	Flapper	2
9	CDX-020004-05	Piston	1
10	09-AHDF-06-18 x 04	Shoulder Screw	1
13	512-000	Strap	2
14	CXD-020004-009	Mounting Block	1
15	09-ADDF-0J-32 x 14	Socket Head Cap Screw	1
16	CXD-020046-002	Cap & Mounting Flange	1
17	CXD-020046-003	Tube	1
18	08-ADFH-04-28	Prevailing Locknut	1
19	CXD-020046-001	End Cap, Blind End	1
	<b>HK-3717</b>	<b>Kit, Handle Replacement; consists of:</b>	
1		Pin Linkage Assembly	1
11		Pump Handle	1
12		Pin Linkage Assembly	2
	<b>HK-3719</b>	<b>Kit, Pump; consists of:</b>	
3		Wiper, BUNA	1
4		O-ring, BUNA	1
5		O-ring, BUNA	1
8		O-ring, BUNA	2

## Internal Components

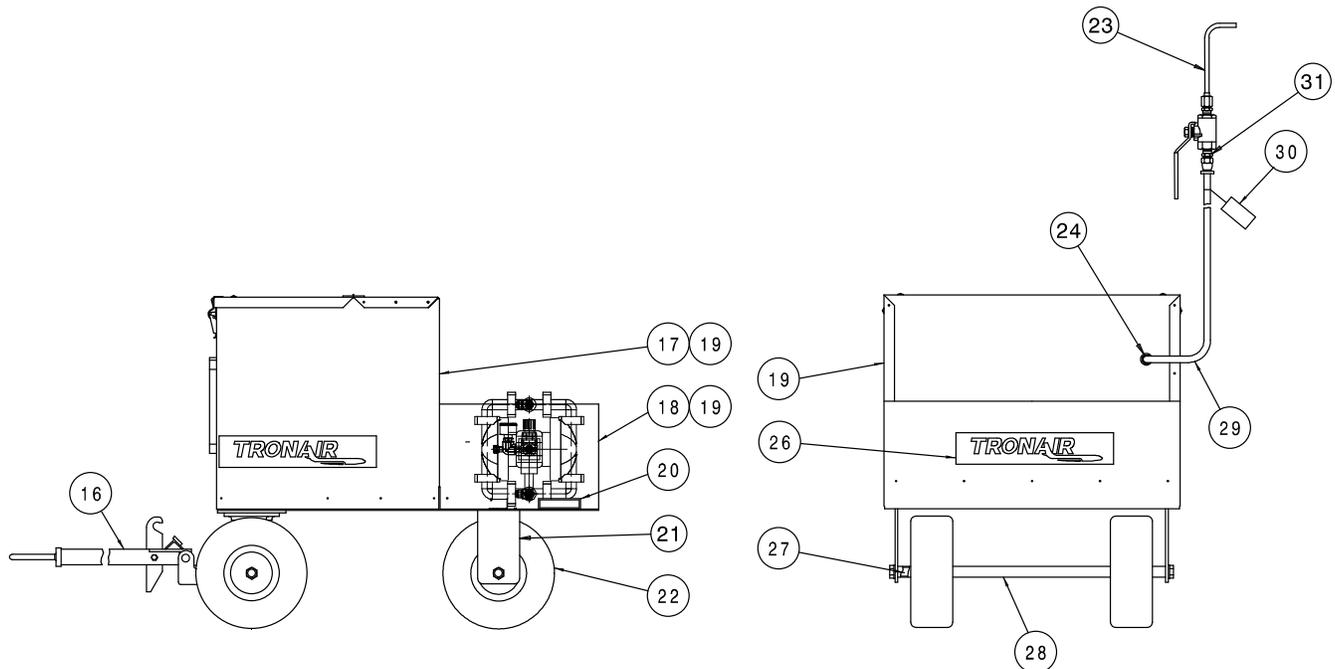
When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
1	V-1390	Label, Filter Element K-1742	1
2	N-2026-03-B	Swivel, JIC 37°	4
3	TF-1047-04*40.0	Hose, 3/8 x 40 Long	1
4	N-2005-11-S	Connector, Male	1
5	N-2026-05-B	Elbow, Male	1
6	N-2005-14-S	Elbow, Male	1
7	TF-1047-05*36.0	Hose, 1/2 x 36 Long	1
8	N-2500-03	Elbow, 90° Barbed	1
9	V-1001	Label, Made In USA	1
10	V-1003	Label, Serial Number	1
	<b>K-1767</b>	<b>Kit, Lanyard Assembly; consists of:</b>	
11	G-1159-103504	Screw, Round HD Cross REC, #10 – 32 x 1/2 Long	4
12	G-1202-1035	ESN, #10 – 32	4
13	G-1250-1070N	#10 Flatwasher	1
14	Z-2051*18.0	Assembly, Lanyard	2
15	<b>K-1768</b>	<b>Kit, Latch; consists of:</b>	
	H-1646	Strike, Right Angle	1
	H-1647	Clamp	1

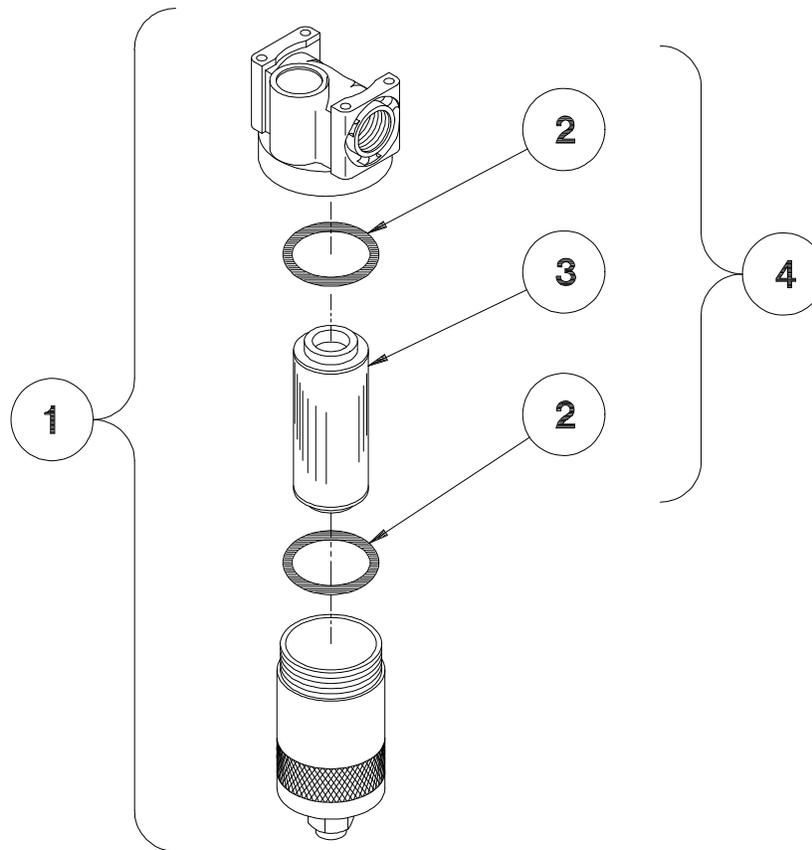
## External Components

When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
16	Z-2053	Assembly, Tongue	1
17	S-1633-01	Shell, Main	1
18	S-2724-01	Hose, Compartment	1
19	G-1351-04	Rivet, 1/8 x 1/4 Grip, Open End Steel	55
20	V-1392	Label, Maximum Tire Pressure	2
21	Z-8469-01	Weldment, Frame	Ref
23	Z-2152	Assembly, Fill Valve	1
24	N-2025-03-B	Swivel, JIC 37°	4
26	V-1033	Label, Tronair	3
28	TR-1217-03-02	Housing, Axle	1
29	TF-1047-04*180	Hose, 3/8 x 180 Long	1
30	V-1431	Tag, Flush	1
31	N-2009-08-B	Connector, male	1
22	<b>K-1550</b>	<b>Kit, Wheel (Single); consists of:</b>	
	U-1027	Wheel, Pneumatic Tire	1
	G-1203-1115	EJN, 3/4 - 16	1
	G-1251-1110N	Flatwasher, 3/4 Narrow	1
	TR-1585	Spacer, Wheel	1
27	<b>K-1765</b>	<b>Kit, Axle; consists of:</b>	
	R-1292	Axle	1
	G-1203-1115	EJN, 3/4 - 16	1
	G-1251-1110N	Flatwasher, 3/4 Narrow	1

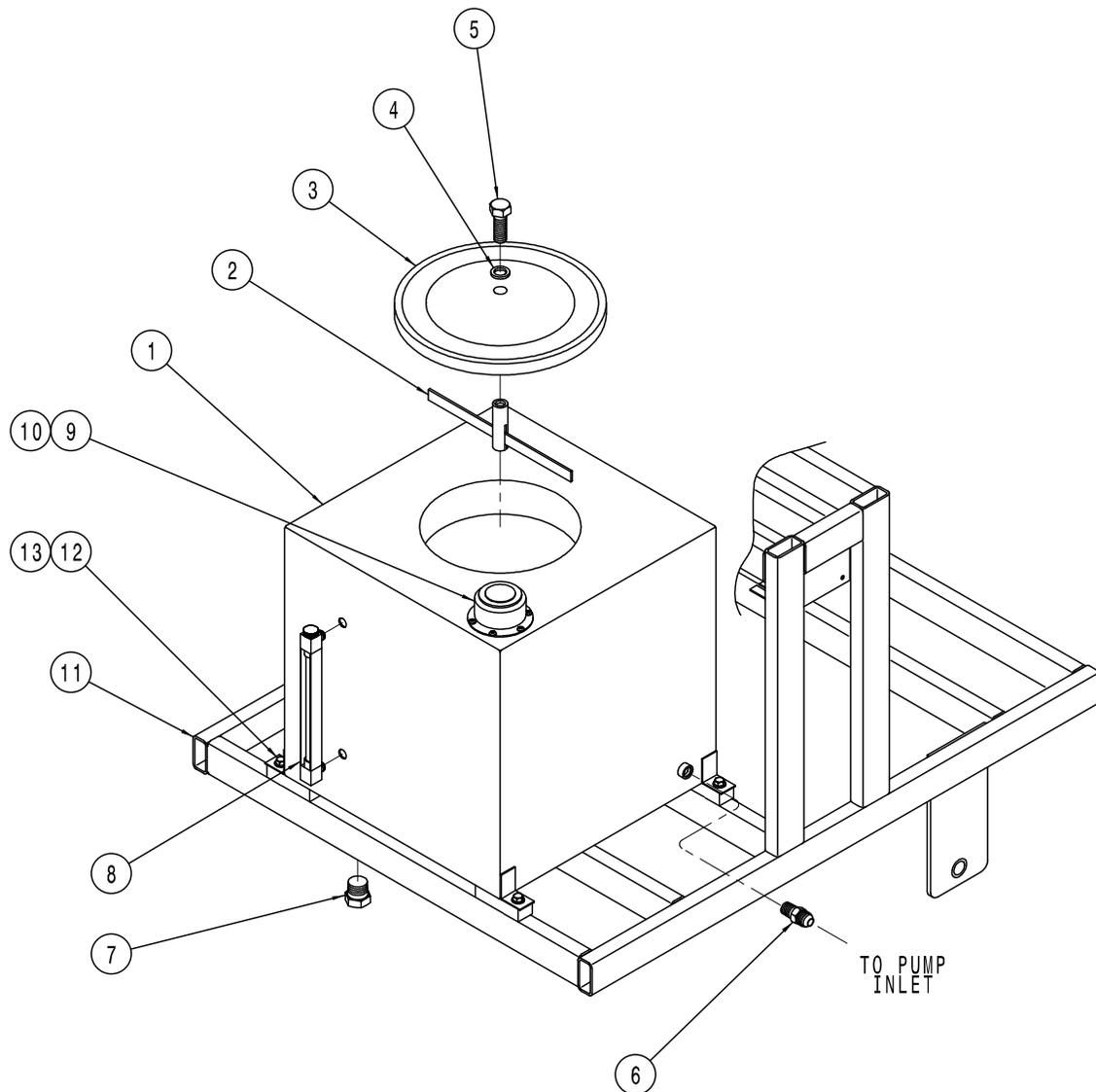
**Filter Assembly**



Item	Part Number	Description	Qty
1	HC-1481	Assembly, Filter	1
2	HC-2007-142	O-Ring, Series 2	2
3	HC-1482	Element, Filter	1
4	K-3098	Kit, Filter Element	1

**Reservoir Assembly**

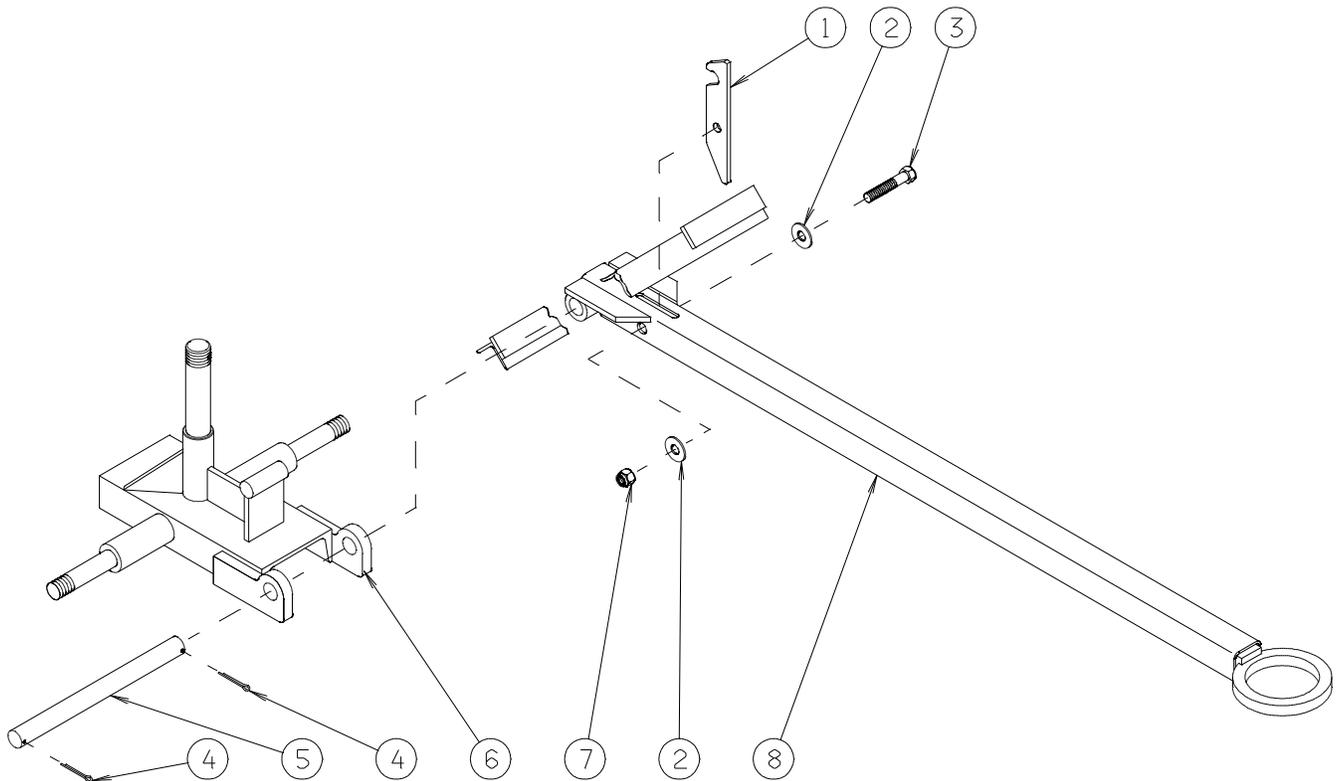
When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
1	H-2355	Reservoir, 15 gallon Stainless Steel	1
2	Z-5863	Assembly, Clamp	1
3	H-1740	Assembly, Cover	1
4	H-1735-02	Washer, Nylon	1
5	G-1100-110016	Bolt, HH GR 5, 5/8 - 11 x 1 3/4 Long	1
6	N-2009-14-S	Connector, Male #8 JIC x 1/2 NPT	1
7	N-2206-06-S	Plug, HH, 3/4 NPT	1
8	HC-2212-08	Gauge, Sight	1
9	HC-1030	Filler-Breather	1
10	G-1179-103506	Screw, Round Head Self Tapping, #10 - 32 x 3/4	6
11	Z-8469-01	Weldment, Frame	1
12	G-1100-105004	Bolt, HH GR 5, 1/4 - 20 x 1/2 Long	4
13	G-1251-1050R	Lockwasher, 1/4 Regular	4

**Towbar Assembly**

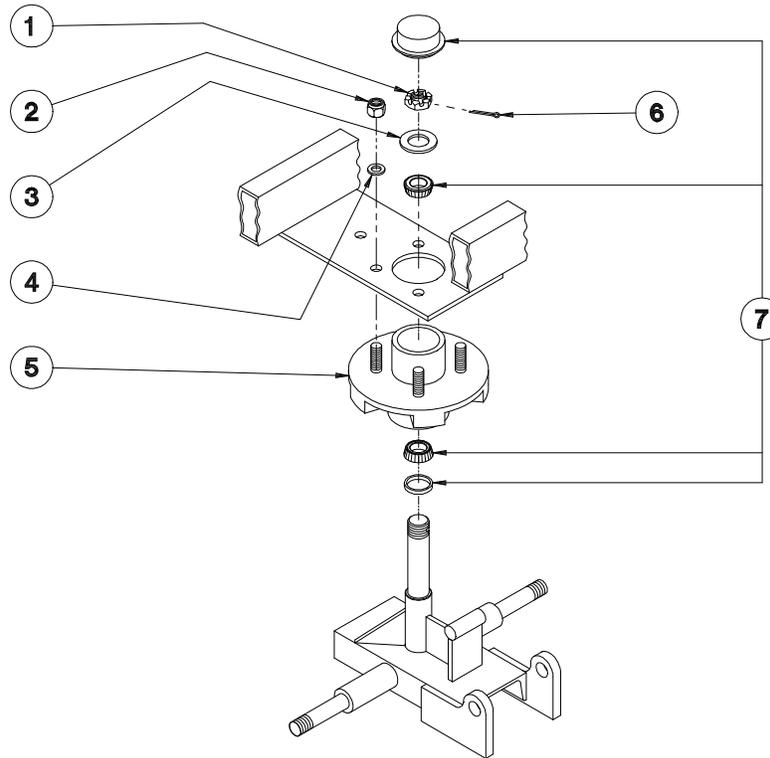
When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
6	Z-2037	Weldment, Truck	1
8	Z-2036	Weldment, Tongue	1
	<b>K-1249</b>	<b>Kit, Towbar Pin Replacement; consists of:</b>	
4	G-1301-03	Pin, 1/8" diameter x 1-1/2" long	2
5	R-1122	Pin	1
	<b>K-1320</b>	<b>Kit, Locking Lever Replacement; consists of:</b>	
1	J-1626	Lever	1
2	G-1250-1090N	Flatwasher, 1/2 Narrow	2
3	G-1100-109522	Bolt, Hex Head, Grade 5, 1/2-20 x 2-1/4" long	1
7	G-1202-1095	Stopnut, 1/2-20 Elastic	1

**Truck Assembly**

When ordering replacement parts/kits, please specify model, serial number and color of your unit.



Item	Part Number	Description	Qty
3	G-1283	Spindle Washer	1
7	<b>K-1253</b>	<b>Kit, Hub Bearing and Seal; consists of:</b>	
	G-1561-05	Seal, Grease	1
	H-1559-01	Bearings	2
	H-1155-01	Cap, Dust	1
	G-1301-03	Pin, Cotter	1
	<b>K-1255</b>	<b>Kit, Hub Assembly; consists of:</b>	
1	G-1230-01	Nut, Axle	1
2	G-1202-1095	Stopnut, 1/2-20 Elastic	4
4	G-1250-1090N	Flatwasher, 1/2 Narrow	4
5	H-1335	Hub, Idler	1
6	G-1301-03	Pin, Cotter	1