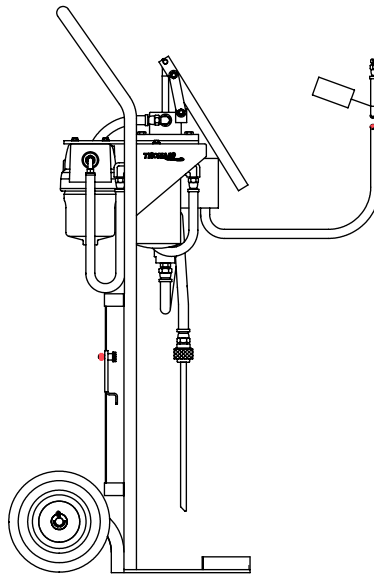




Operation & Service Manual



Model: 06T5044-1500
Fluid Service Unit

01/2005 - AB - Rev. 04

Includes Illustrated Parts Lists

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Model: 06T5044-1500
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Revision	Date	Text Affected
03	12/2004	Throughout document changed Reservoir to Fluid pg 1 2.0 modified Fluid and Dimensions pg 2 7.0 modified Series number pg 7 Modified fluid in items 14, 19, 21 and 22
04	01/2004	Throughout document removes model 06-5044-1500 Cover Modified illustration pg 1 Added bullet points to 3.0 Features pg 3 Modified illustrations and part numbers

Model: 06T5044-1500
Fluid Service Unit

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.

1.0 GENERAL DESCRIPTION

The Tronair Fluid Service Unit 06T5044-1500 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. A unique feature is that the unit pumps fluid directly from standard five gallon (18.9 lt) containers.

2.0 SPECIFICATIONS

Fluid: Mobil 291

Maximum Pressure: 150 psi (10.3 bar)

Filter: 2 (Micron)

Dimensions:

Width: 21 inc (53.3 cm)

Length: 19 1/8 in (68.6 cm)

Height: 45 1/2 in (116.8 cm)

Weight: 45 plb(20.4 kg)

Pump Displacement: 4.4 cubic inch/stroke (72.1 cubic centimeters)

3.0 FEATURES

- 15 ft (4.6 m) hose
- Pickup tube fits all standard five gal (18.9 lt) cans
- 2 micron main filter on hydraulic fluid units
- Output totalizing meter
- Water removal filter

4.0 PREPARATION FOR USE

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

1. Set five gal (18.9 lt) can of fluid inside the ring and lock in place with slide lock.



CAUTION!

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

2. Remove the cap and seal from the container, pull out plastic spout, and insert pickup tube into the neck. Screw down the fitting to form a snug fit.
3. Operate hand pump several times to fill line and purge air. Install coupling at hose end if applicable.

5.0 OPERATION

5.1 TO USE THE RESERVOIR SERVICE UNIT

1. Make sure pickup tube is completely tightened down.
2. Securely attach hose to aircraft.
3. Operate pump handle at a slow-to-moderate pace with even pressure.

NOTE: *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.*

A slow movement of the pump handle with a steady pressure works best.

5.2 WHEN SERVICE HAS BEEN COMPLETED

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

6.0 MAINTENANCE

6.1 TIRES

Maintain 45 to 50 psi (3.1 to 4.4 bar) tire pressure.

6.2 FILTER

The 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, replace the filter element. **DO NOT** force the pump handle as damage to unit components could result. The 2 micron filter is of a throwaway design and is **not cleanable**.

7.0 TOTALIZER

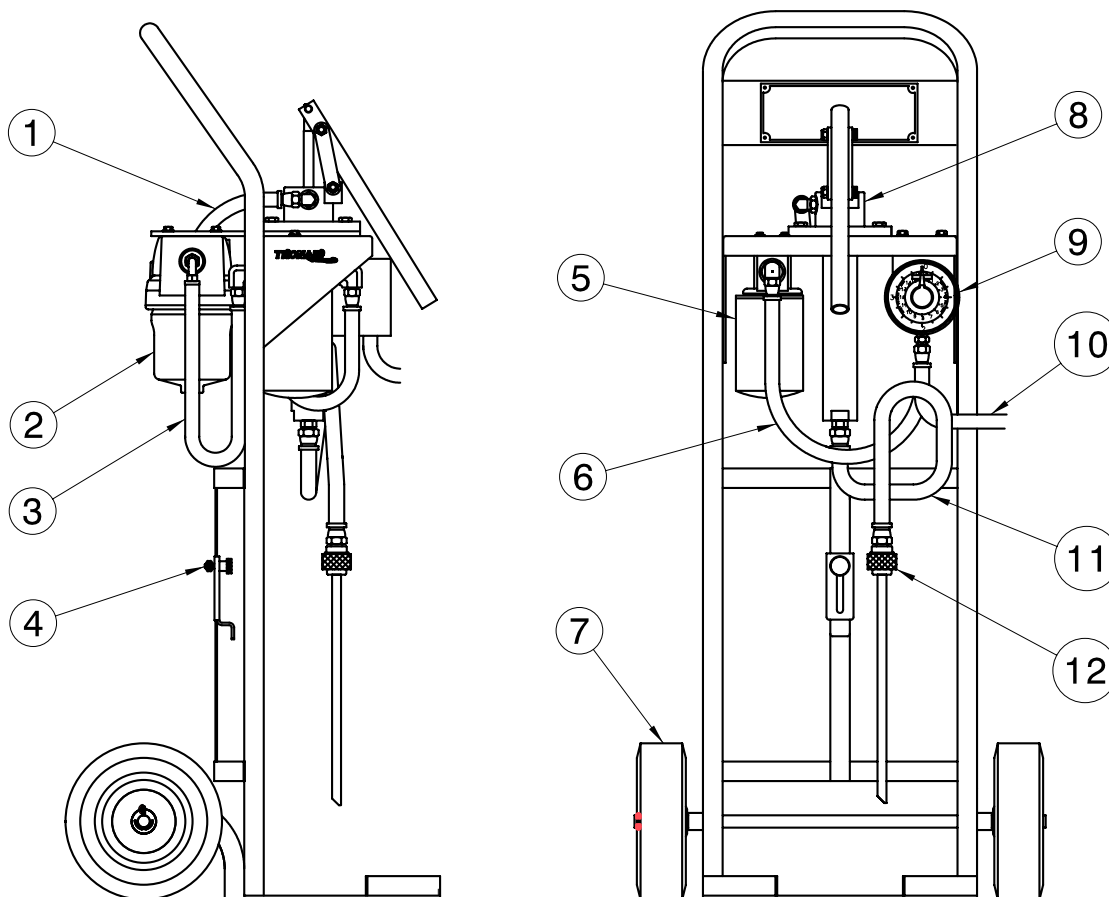
The totalizer indicates amount of fluid dispensed. After each use, the dispenser must be reset to zero for a true reading during next use. Refer to Illustrated Parts List for Replacement Parts.

8.0 PARTS LIST

Reference Pages 3 – 7 for ordering information of Replacement Parts and Kits.

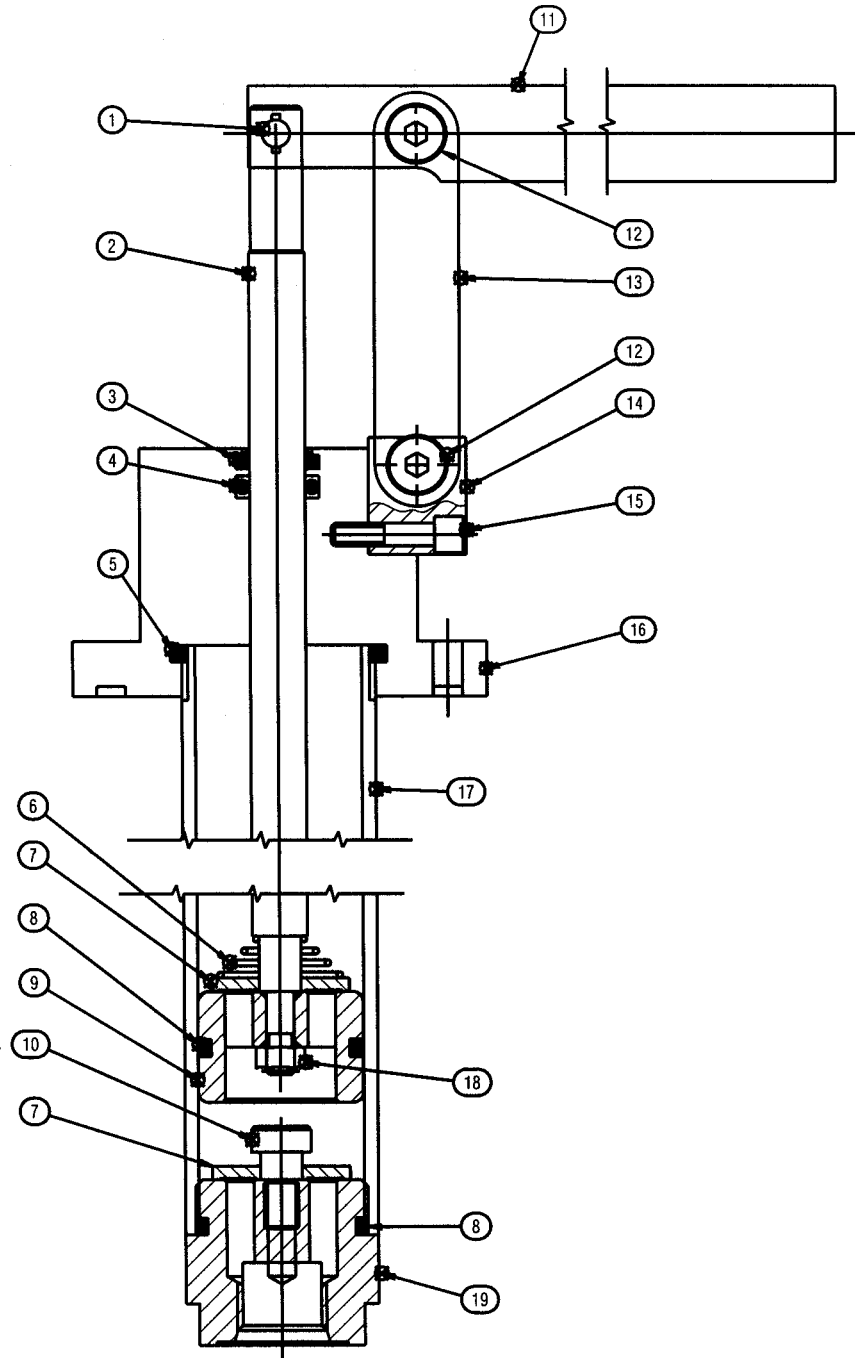
Parts List

When ordering Replacement Parts/Kits, please specify Model & Serial Number of your **product**.



ITEM	PART NUMBER	DESCRIPTION	QTY
1	TF-1105-06*14.0	Hose, #6 Push-lok	1
2	HC-2274	Filter, Water Removal	1
	K-3885	Kit, Filter Element	1
3	TF-1105-06*25.0	Hose, #6 Push-lok	1
4	K-1780	Kit, Hold Down Assembly	1
5	HC-2078	Filter Element	1
6	TF-1105-06*30.0	Hose, #6 Push-lok	1
7	K-2082	Kit, Wheel	2
8	HC-2171	Hand Pump (Viton)	1
9	HC-2197	Meter, Totalizer	1
10	TF-1105-06*180	Hose, #6 Push-lok	1
11	TF-1105-08*36.0	Hose, #8 Push-lok	1
12	Z-2031	Assembly, Pickup Tube	1

HC-2171 Hand Pump



HC-2171 (Viton Fluid) Hand Pump

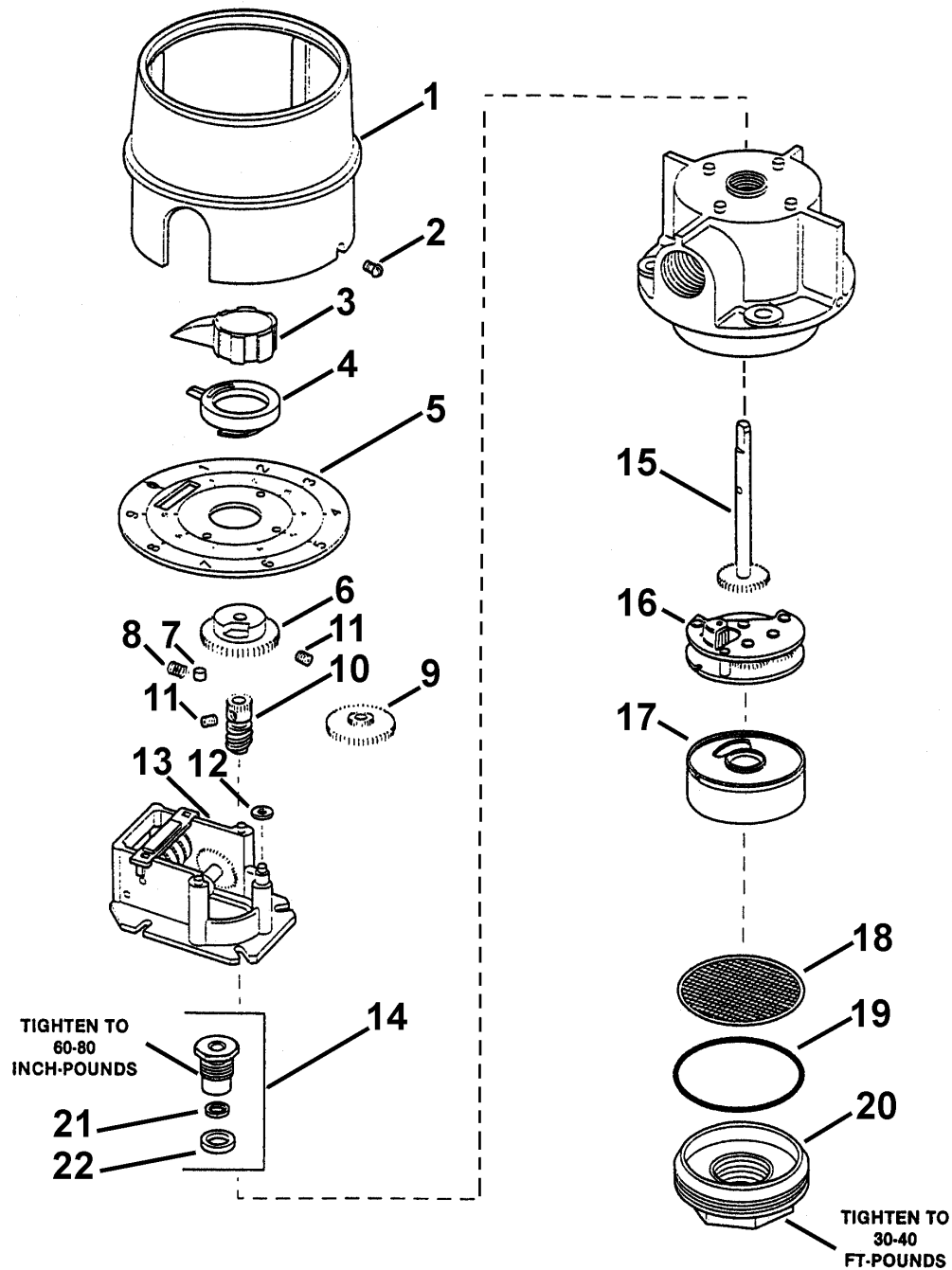
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ITEM	PART NUMBER	DESCRIPTION	QTY
2.....	CXD-020004-004	Piston Rod	1
6.....	CENT-TA-2098	Spring	1
7.....	CXD-020004-006	Flapper	2
10.....	09-AHDF-06-18 x 04	Shoulder Screw	1
14.....	CXD-020004-009	Mounting Block.....	1
15.....	09-ADDF-0J-32 x 14	Socket Head Cap Screw	1
16.....	CXD-020004-002	Cap & Mounting Flange.....	1
17.....	CXD-020004-003	Tube	1
18.....	08-ADFH-04-28.....	Prevailing Locknut	1
19.....	CXD-020004-001	End Cap, Blind End	1
.....	HK-3715	Kit, Pump Seal Replacement; consists of:	1
3.....		Wiper, Viton	1
4.....		O-ring, Viton	1
5.....		O-ring, Viton	1
8.....		O-ring, Viton	2
9.....		Piston.....	1
.....	HK-3717	Kit, Handle Replacement; consists of:	1
1.....		Pin Linkage Assembly	1
11.....		Pump Handle.....	1
12.....		Pin Linkage Assembly	2
13.....		Strap	2

Parts List

Totalizer Option

When ordering Replacement Parts/Kits, please specify Model & Serial Number of your product.



Parts List

Totalizer Option

When ordering Replacement Parts/Kits, please specify Model & Serial Number of your product.

ITEM	FLUID	PART NUMBER	DESCRIPTION
1.....	N/A	66871-13	Shroud
2.....	N/A	66871-5	Screw (2)
3.....	N/A	242912.....	Knob Assembly
4.....	N/A	66871-53	Pointer
5.....	N/A	68410-26	Dial Assembly
6.....	N/A	66871-50	Cam
7.....	N/A	66871-4	Clutch Roller
8.....	N/A	66871-3	Spring
9.....	N/A	66871-17	Gear
10.....	N/A	66871-54	Worm
11.....	N/A	50541.....	Set Screw (2)
12.....	N/A	69304-23	Spacer
13.....	N/A	69795-3	Totalizer
14.....	MIL-L-23699, MIL-PRF-87257	N/A.....	N/A
15.....	N/A	66871-111	Spindle
16.....	N/A	66871-136	Gear Train Assembly
17.....	N/A	66871-25	Chamber Assembly
18.....	N/A	66871-92	Screen
19.....	MIL-L-23699, MIL-PRF-87257	HC-2007-223.....	O-ring
20.....	N/A	41204.....	Housing Cap
21.....	MIL-L-23699, MIL-PRF-87257	HC-2007-008.....	O-ring
22.....	MIL-L-23699, MIL-PRF-87257	HC-2007-001.....	O-ring