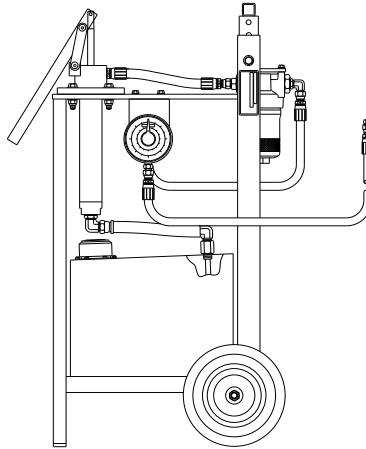




Operation & Service Manual



Model: 06T5042-3600 Fluid Servicing Unit With Totalizer

08/2011 – Rev. 01

Includes Illustrated Parts List

Model: 06T5042 -3600
Fluid Servicing Unit With Totalizer

TABLE OF CONTENTS

	<u>PAGE</u>
1.0 General Description	1
2.0 Specifications	1
3.0 Features	1
4.0 Preparation For Use.....	1
5.0 Operation	1
6.0 Maintenance	2
6.1 Tires	2
6.2 Filters	2
7.0 Parts List	2

Model: 06T5042 -3600
Fluid Servicing Unit With Totalizer

REVISION
01

DATE
08/2011

TEXT AFFECTED
Original release

Model: 06T5042 -3600
Fluid Servicing Unit With Totalizer

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

2.0 SPECIFICATIONS

Model Number: 06-5042-3600
Fluid: Skydrol/Hyjet
Maximum Pressure: 200 psi (13.8 bar)
Filter (Micron): 2
Pump Displacement: 4.4 cubic in/stroke (72.11 cc/stroke)
Dimensions:
 Width: 18 ⁴/₁₆ in (47.5 cm) Wide
 Depth: 23 ³/₁₆ in (59cm) Deep
 Height: 34 ⁵/₁₆ in (87 cm) (Handle Extended)
Weight: 60 lbs (27.2 kg)

3.0 FEATURES

- 15 foot (4.6 m) hose
- 8 gallon (30.3 liter) reservoir
- 2 micron pressure filter
- Fluid Totalizer in quarts

4.0 PREPARATION FOR USE

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

1. **Service Reservoir:** Fill reservoir with appropriate clean fluid.



CAUTION!

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

2. Adjust frame handle height to preference.
3. 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.

TRONAIR

08/2011 – Rev. 01

Model: 06T5042 -3600
Fluid Servicing Unit With Totalizer

6.0 MAINTENANCE

6.1 TIRES

Maintain 45 to 50 psi (3.1 to 3.4 bar) tire pressure.

6.2 FILTERS

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

Element replacement schedule should be based on usage and actual fluid samples. For units with low usage, element should be replaced at least once annually.

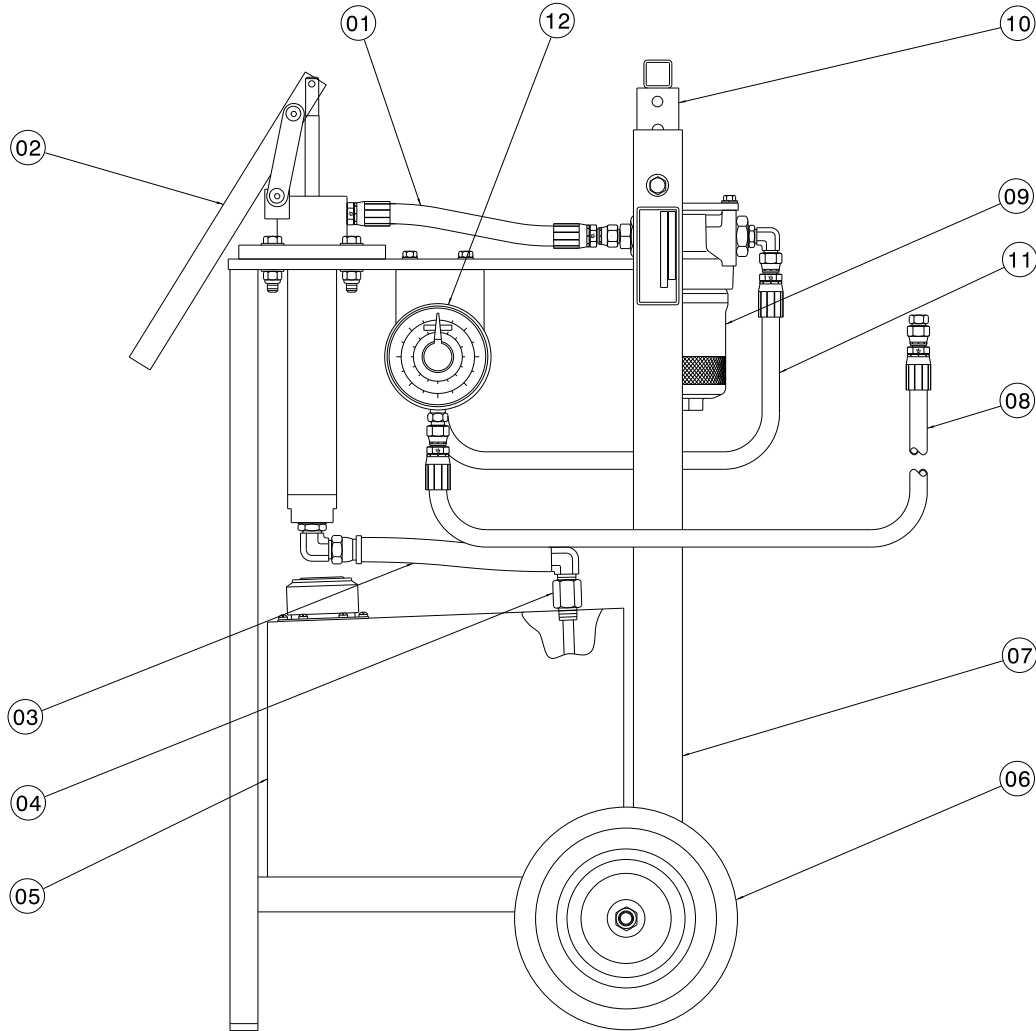
7.0 PARTS LIST

Reference Pages 3 – 6 for ordering information of Replacement Parts and Kits.

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

Parts List – Servicing Unit

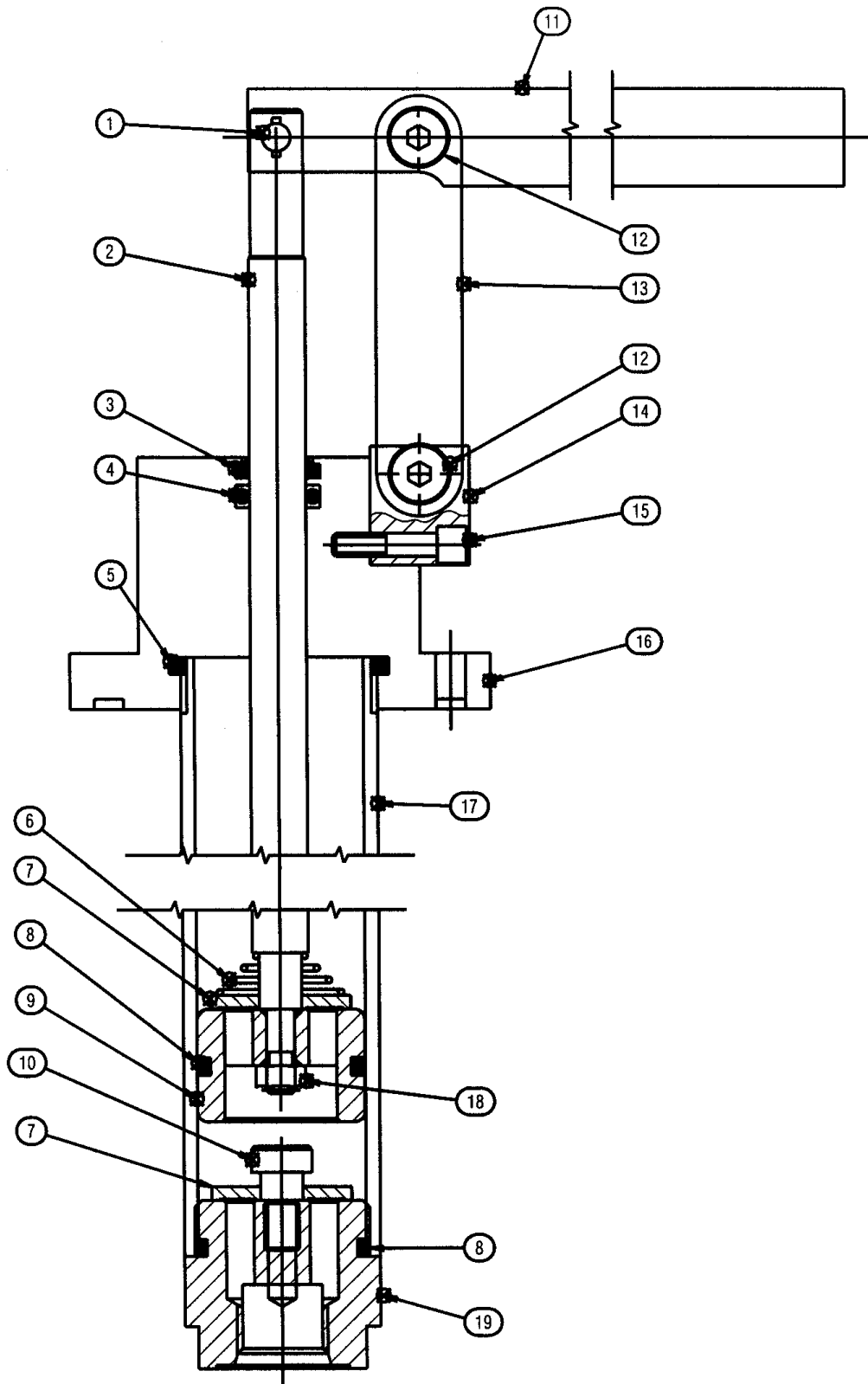
****When ordering replacement parts/kits, please specify model, serial number and color of your unit.****



ITEM	PART NUMBER	DESCRIPTION	QTY
1	TF-1134-01*10.5	Assembly, Hose	1
♦ 2	HC-2157	Pump, Hand	1
3	TF-1030-03*09.5	Hose, Push-on	1
4	Z-1273	Weldment, Tube	1
5	H-2665	Tank, Modified	1
6	U-1001-01	Wheel, 8 inch	2
7	Z-5589-01	Weldment, Frame	1
8	TF-1134-01*180	Assembly, Hose	1
9	HC-1480	Assembly, Filter	1
10	Z-1083-01	Weldment, Handle	1
11	TF-1134-01*25.0	Assembly, Hose	1
12	HC-1681	Meter, Totalizer	1

♦ Reference Page 4 – Section View and Kit Listings for Item 2 (Hand Pump).

HC-2157 Hand Pump



TRONAIR

08/2011 – Rev. 01

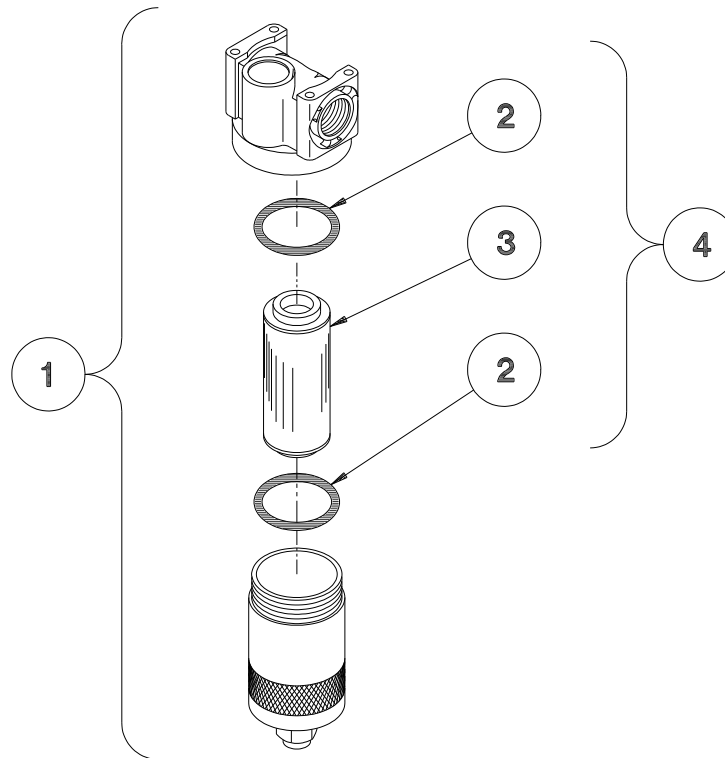
Parts List

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

ITEM	PART NUMBER	DESCRIPTION	QTY
2	CXD-020004-004	Piston Rod	1
6	CENT-TA-2098	Spring	1
7	CXD-020004-006	Flapper	2
9	CXD-02004-005	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-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-3717	Kit, Handle Replacement; consists of:	1
1		Pin Linkage Assembly	1
11		Pump Handle	1
12		Pin Linkage Assembly	2
	HK-3683	Kit, Pump Seal Replacement; consists of: ..	1
3		Wiper, BUNA	1
4		O-ring, BUNA	1
5		O-ring, BUNA	1
8		O-ring, BUNA	2

Parts List – Filter Assembly

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



ITEM	PART NUMBER	DESCRIPTION	QTY
1	HC-1480	Assembly, Filter	1
3	HC-1483	Element, Filter	1

FILTER REPLACEMENT PARTS

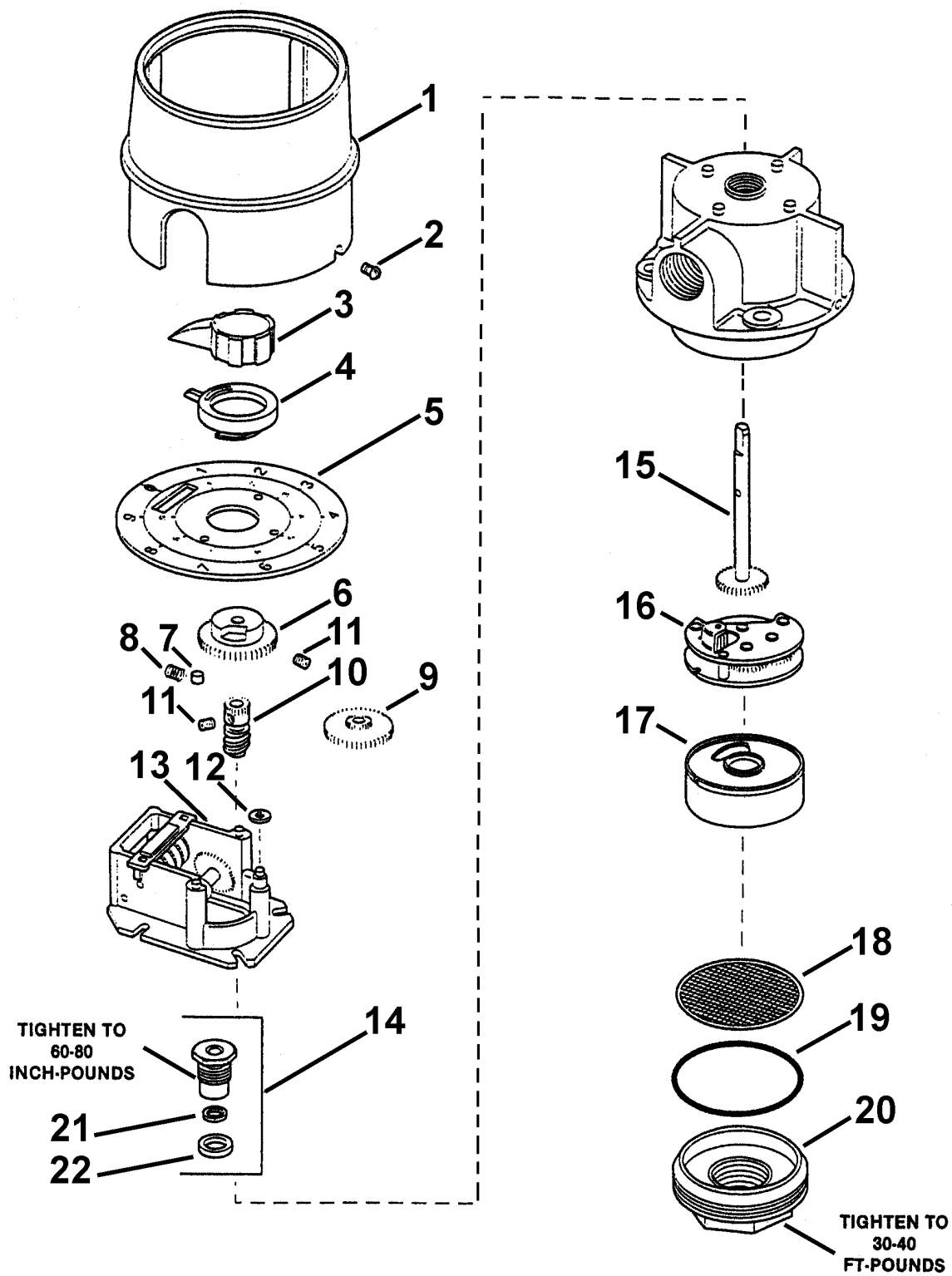
ITEM	PART NUMBER	DESCRIPTION	QTY
2	HC-2006-142	O-Ring, Series 2 (EPR)	2
4	K-3099	Kit, Filter Element	1

Model: 06T5042 -3600
Fluid Servicing Unit With Totalizer

This page left blank intentionally.

Parts List - Totalizer

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



Model: 06T5042 -3600
Fluid Servicing Unit With Totalizer

Parts List - Totalizer

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

ITEM	PART NUMBER	DESCRIPTION
1.....	66871-13	Shroud
2.....	66871-5	Screw (2)
3.....	242912	Knob Assembly
4.....	66871-53	Pointer
5.....	68410-26	Dial Assembly
6.....	66871-50	Cam
7.....	66871-4	Clutch Roller
8.....	66871-3	Spring
9.....	66871-17	Gear
10.....	66871-54	Worm
11.....	50541	Set Screw (2)
12.....	69304-23	Spacer
13.....	69795-3	Totalizer
15.....	66871-111	Spindle
16.....	66871-136	Gear Train Assembly
17.....	66871-25	Chamber Assembly
18.....	66871-92	Screen
19.....	HC-2006-223.....	O-ring
20.....	41204	Housing Cap
21.....	HC-2006-008.....	O-ring
22.....	HC-2006-001.....	O-ring