

**Model: 06-5083-0800
Fluid Servicing Unit**



03/2019 - Rev. 03

REVISION

01
02
03

DATE

12/2015
08/2016
03/2019

TEXT AFFECTED

Original release
Modified Parts List
Modified 6.0 Maintenance & Parts List

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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 PRODUCT INFORMATION

1.1 DESCRIPTION

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

1.2 MODEL & SERIAL NUMBER

Reference nameplate on unit

1.3 MANUFACTURER

TRONAIR, Inc.
1 Air Cargo Pkwy East
Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301
Fax: (419) 867-0634
E-mail: sales@tronair.com
Website: www.tronair.com

1.4 SPECIFICATIONS

Fluid: MIL-L-23699

Maximum Pressure: 200 psi (13.8 bar)

Filter: 2 Micron

Dimensions: Width: 21 in (53.4 cm)
Length: 20 1/8 in (51 cm)
Height: 45 1/2 in (116.8 cm)

Weight: 50 lbs (22.7 kg)

Pump Displacement: 4.4 cubic in/stroke (72.1 cc/stroke)

1.5 FEATURES

- 4 gallon reservoir
- 5 gallon detachable waste tank
- Inline totalizer, pint graduations
- Supply and return couplings with stow points
- 7 ft supply hose
- Hose hanger

2.0 SAFETY INFORMATION

2.1 USAGE AND SAFETY INFORMATION

To insure safe operations please read the following statements and understand their meaning. Also refer to your equipment manufacturer's manual for other important safety information. This manual contains safety precautions which are explained below. Please read carefully.



WARNING! — Warning is used to indicate the presence of a hazard that **can cause severe personal injury, death, or substantial property damage** if the warning notice is ignored.

CAUTION! — Caution is used to indicate the presence of a hazard that **will or can cause minor personal injury or property damage** if the caution notice is ignored.

3.0 PREPARATION FOR USE

The unit is shipped fully assembled



CAUTION!

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

1. Fill reservoir with appropriate fluid. Remove service hose coupling, aim hose into empty container.
2. Operate hand pump several times to fill line and purge air. Re-install coupling at hose end.

4.0 TRAINING

4.1 TRAINING REQUIREMENTS

The employer of the operator is responsible for providing a training program sufficient for the safe operation of the unit.

4.2 TRAINING PROGRAM

The employer provided operator training program should cover safety procedures concerning use of the unit in and around the intended aircraft at the intended aircraft servicing location.

4.3 OPERATOR TRAINING

The operator training should provide the required training for safe operation of the unit.

NOTE: Maintenance and Trouble Shooting are to be performed by a skilled and trained technician.

5.0 OPERATION

To Use the Unit:

1. Make sure reservoir is filled.
2. Securely attach hose to aircraft.
3. 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. Stow service hose to appropriate bulkhead stow point.

6.0 MAINTENANCE

6.1 FILTERS

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, service the filter. **Do not force** the pump handle, as damage to unit components could result. The 2 micron main filter element is of a throw-away design and is **not cleanable**. Refer to Page **Error! Bookmark not defined.** for replacement filter element kit.

7.0 TOTALIZER OPTION

The Totalizer indicates amount of fluid dispersed. After each use, the pointer must to reset to zero for an accurate reading during next use. Refer to Parts List for replacement parts.

8.0 PROVISION OF SPARES

8.1 SOURCE OF SPARE PARTS

Spare parts may be obtained from the manufacturer:

TRONAIR, Inc.

1 Air Cargo Pkwy East

Swanton, Ohio 43558 USA

Telephone: (419) 866-6301 or 800-426-6301

Fax: (419) 867-0634

E-mail: sales@tronair.com

Website: www.tronair.com

8.2 RECOMMENDED SPARE PARTS LISTS

Reference the following page(s) for Replacement Parts and Kits available.

9.0 IN SERVICE SUPPORT

Contact Tronair, Inc. for technical services and information. See Section 1.3 – Manufacturer.

10.0 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.**

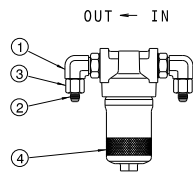
11.0 APPENDICES

APPENDIX I Declaration of Conformity

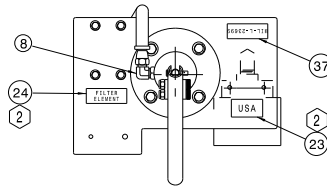
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Parts List

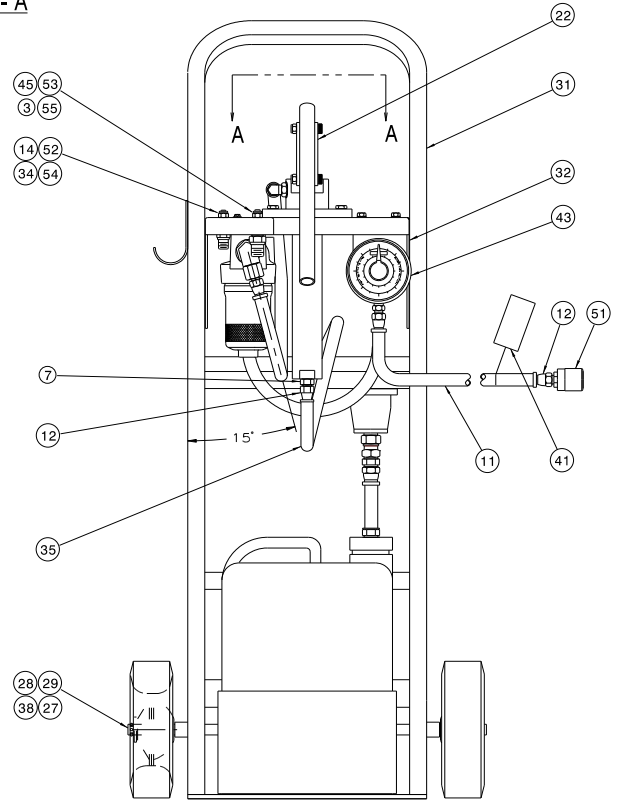
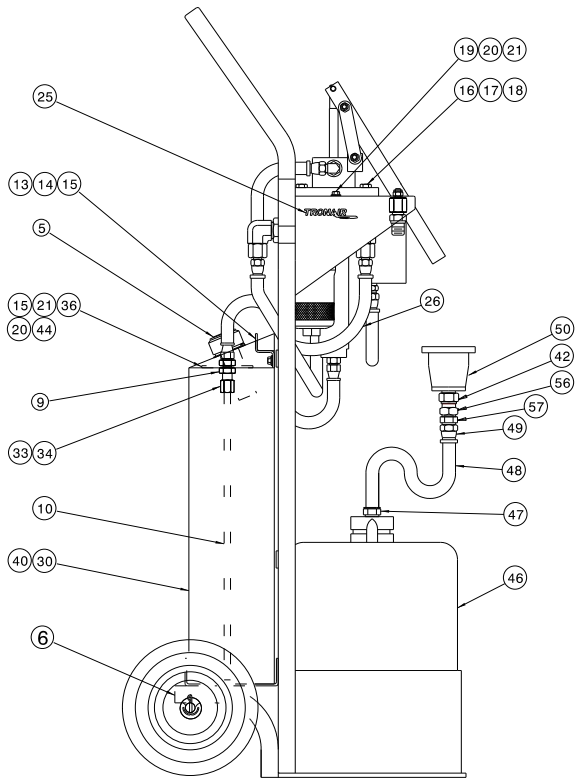
When ordering replacement parts/kits, please specify model, serial number and color of your unit.



FILTER DETAIL



VIEW A-A



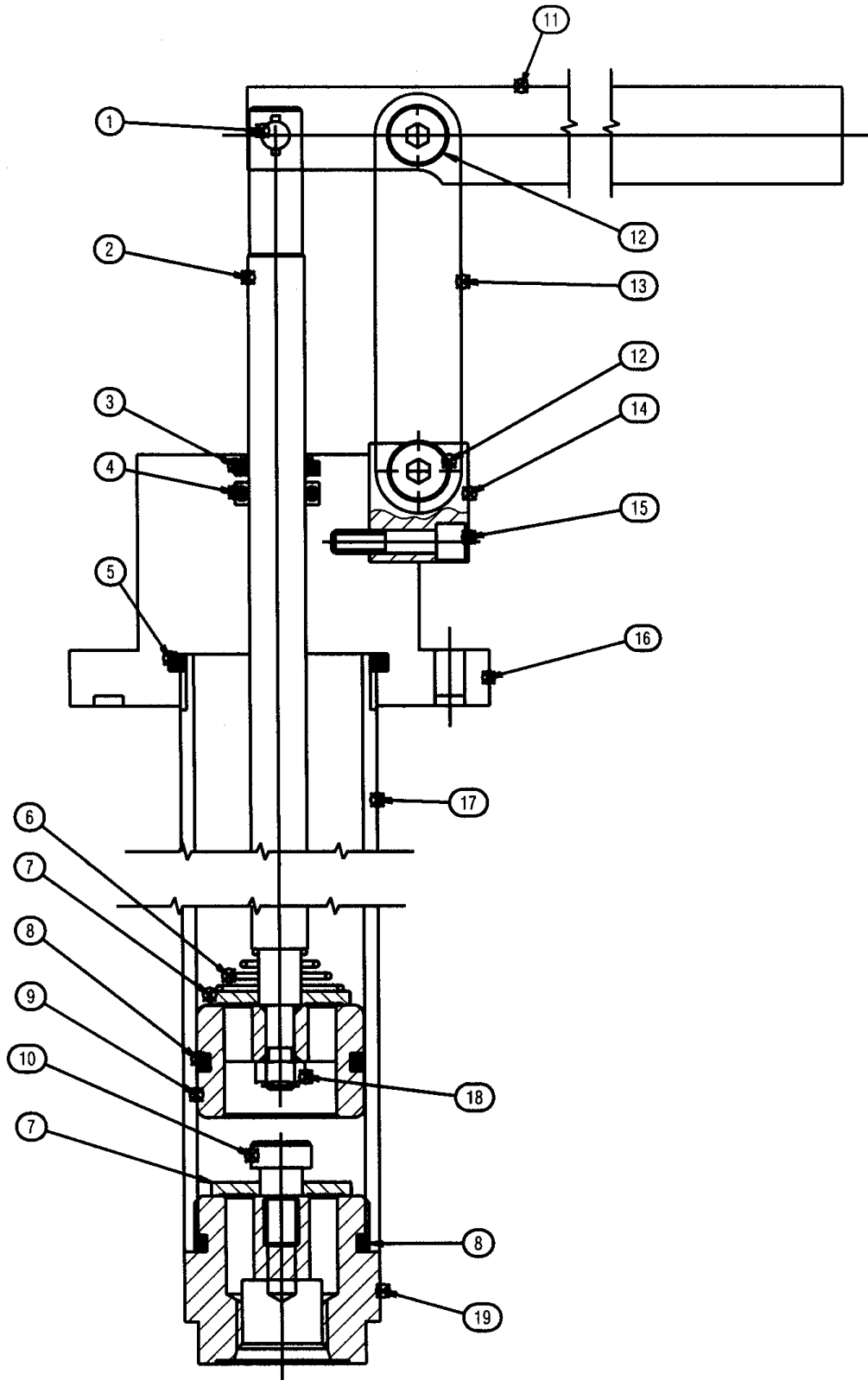
Item	Part Number	Description	Qty
1	N-2001-14-S-V	Elbow, Straight Thread	2
2	N-2020-03-S	Reducer	2
3	N-2000-06-S	Nut	3
4	HC-1826	Assembly, Filter	1
5	HC-2498	Tank, Filler Breather	1
6	H-1143	Cap, End	1
7	N-2007-09-S-V	Connector, Straight Thread	1
8	N-2001-08-S-V	Elbow, Straight Thread	1
9	N-2061-03-S	Union, Bulkhead	1
10	TR-2154	Tube, Pick-Up	1
11	TF-1105-06*84.0	Hose, Push-Lok 3/8 ID	1
12	N-2026-03-B	Swivel, JIC 37° 3/8 Hose	8
13	S-2372	Clamp, Reservoir	1
14	G-1202-1050	Stopnut, 1/4 - 20 Elastic	2
15	G-1100-105010	Bolt, Hex Head Grade 5, 1/4 - 20 x 1 Long	5
16	G-1100-107012	Bolt, Hex Head Grade 5, 3/8 - 16 x 1 1/4 Long	4
17	G-1250-1070N	Flatwasher, 3/8 Narrow	4

Parts List

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

Item	Part Number	Description	Qty
18	G-1202-1070	Stopnut, 3/8 - 16	4
19	G-1100-105014	Bolt, Hex Head Grade 5, 1/4 - 20 x 1 1/2 Long	4
20	G-1251-1050R	Lockwasher, 1/4 Regular	9
21	G-1250-1050N	Flatwasher, 1/4 Narrow	8
22	HC-2171	Pump, Hand	1
23	V-1001	Label, Made in USA	1
24	V-1761	Label, Filter Element K-3098	1
25	V-1197	Label, Tronair	2
26	TF-1105-06*20.0	Hose, Push-Lok 3/8 ID	1
27	U-1001-02	Wheel	2
28	G-1301-02	Pin, Cotter, 1/8 x 1 Long	2
29	G-1250-1100N	Flatwasher, 5/8 Narrow	2
30	H-3320	Tank, Reservoir	1
31	Z-7358-01	Weldment, Hand Truck	1
32	V-1779	Label, Serial Number CE	1
33	N-2019-05-SS	Sleeve, Stainless	1
34	N-2000-05-S	Nut, Tube	2
35	TF-1105-06*36.0	Hose, Push-Lok 3/8 ID	1
36	S-2373	Plate, Pick-Up Tube	1
37	V-1035	Label, MIL-L-23699	1
38	TR-1304	Spacer, Axle	2
40	N-2205-04-S	Plug, Hollow Hex	1
41	V-1431	Tag, Flush	1
42	N-2969	Adapter, CPVC Adapter Female Socket	1
43	Z-7347-03	Assembly, Totalizer	1
44	G-1140-1050-S	Nutsert, Thick Wall 1/4 - 20	4
45	G-1202-1060	Stopnut, 5/16 - 18 Elastic	1
46	HC-2734	Container, 5 gal, Modified	1
47	N-2800-11-B	Fitting, Male Pipe 1/4 NPT - 1/2 Hose	1
48	TF-1105-08-84.0	Hose, Push-Lok 1/2 ID	1
49	N-2026-05-B	Swivel, 08 - 1/2 Hose	1
50	H-3888	Funnel, Stainless Steel Flame Arrester 1"	1
51	N-2422-02	Coupling, Half	1
52	N-2877-01	Bulkhead, Half	1
53	N-2877-02	Bulkhead, Half	1
54	N-2878-06-S	Mountie Cap	1
55	N-2878-08-S	Mountie Cap	1
56	N-2970	Bushing, CPVC Threaded	1
57	N-2009-14-S	Connector, Male	1

HC-2156/HC-2157/HC-2171 Hand Pump



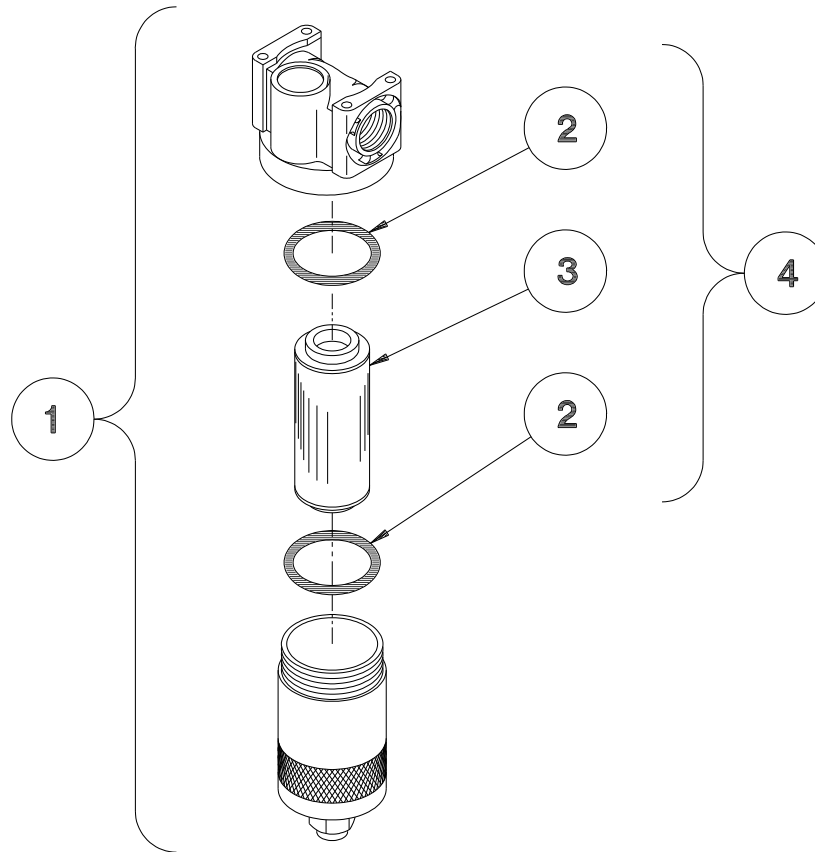
Parts List

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-020004-055	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
HC-2171 (MIL-L-23699, MIL-PRF-87257)			
	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

Filter Assembly

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



Item	Fluid	Part Number	Description	Qty
1	MIL-PRF-23699/MIL-PRF-87257	HC-1826	Assembly, Filter	1
3	All Mineral Base	HC-1482	Element, Filter	1

Filter Replacement Parts

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

Item	Fluid	Part Number	Description	Qty
2	All Mineral Base	HC-2007-142	O-Ring, Series 2 (VITON)	2
4	All Mineral Base	K-3098	Kit, Filter Element	1

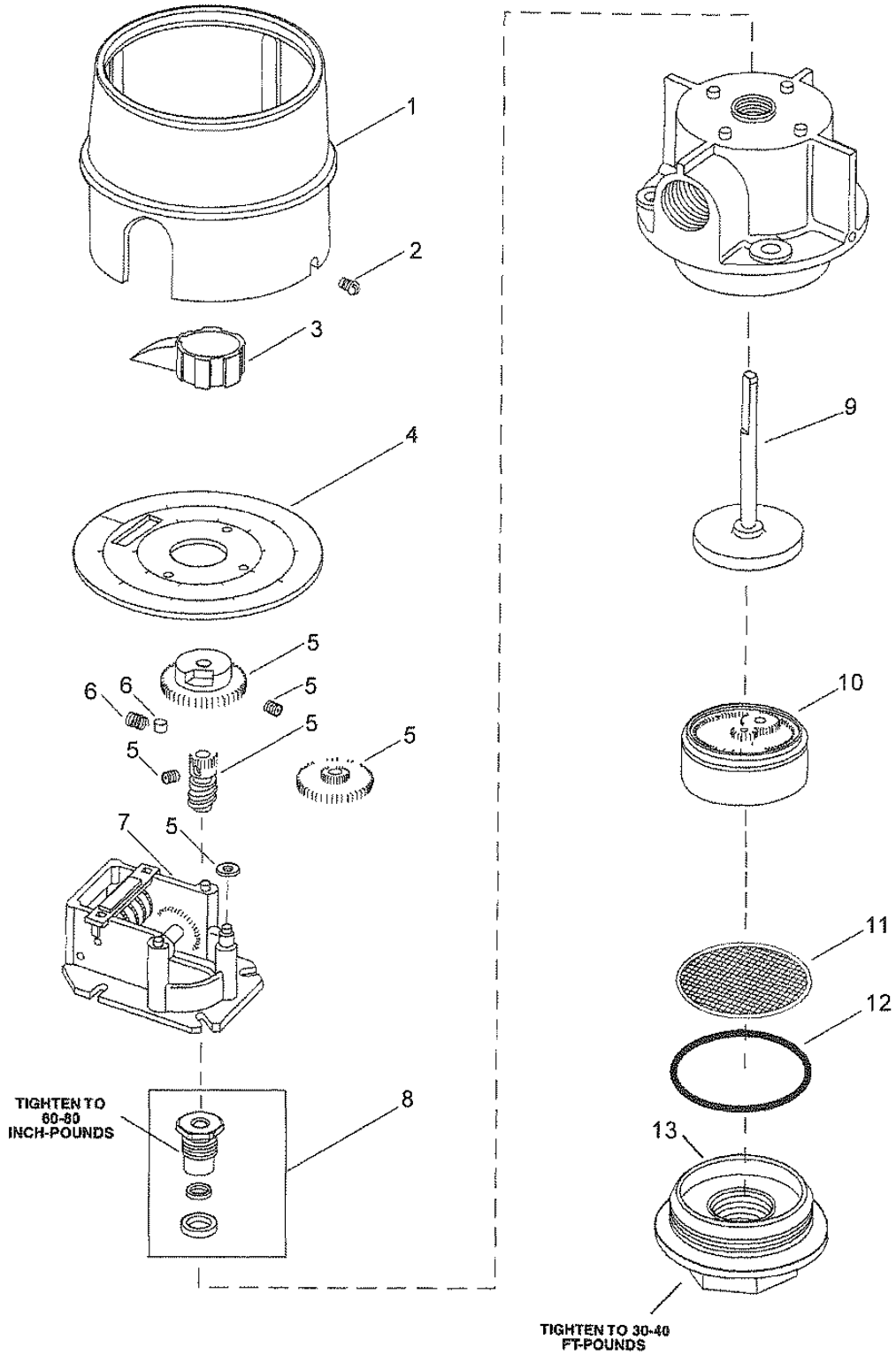
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Totalizer Option

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

HC-2502 (MIL-PRF-23699, MIL-PRF-87257)

Totalizer Meter



Totalizer Option

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

Item	Part Number	Description
1	66871-13	Shroud
2	6687-5 (4)	Shroud Screw
3	242912	Knob Assembly
4	66871-117	Dial Assembly
5	272156	Gear Kit
6	272155	Clutch Kit
7	66871-153	Register Assembly
8	237388	Packing Kit
9	66871-99	Upper Drive Pawl Worm Gear
10	66871-25	Chamber & Piston Assembly
11	66871-92	Screen
12	66871-12	O-Ring
13	41204	Housing Cap



APPENDIX I

Declaration of Conformity



DECLARATION of CONFORMITY

The design, development and manufacture is in accordance with European Community guidelines

Fluid Servicing Unit
06-5083-0800

Relevant provisions complied with by the machinery:
2006/42/EC

Identification of person empowered to sign on behalf of the Manufacturer:

A handwritten signature in cursive script that reads "Patrick Finch". The signature is written in black ink and is positioned above a horizontal line.

Quality Assurance Representative