

## Model: 06-5022-6C00-A1 Fluid Servicing Unit



11/2022- Rev. 02

**For Spare Parts, Operations & Service Manuals or Service Needs  
Scan the QR code or visit [Tronair.com/aftermarket](http://Tronair.com/aftermarket)**



REVISION	DATE	TEXT AFFECTED
01	10/2015	Original Release
02	11/2022	Updated 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 Service Unit is a compact unit primarily designed to provide a source of clean fluid for filling shimmy dampeners.

### 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**..... SAE AS1241 Type 4, Class 2

**Capacity** ..... 2 gal (7.6 lt)

**Maximum Pressure** ..... 200 psi (13.8 bar)

**Filter** ..... 2 micron

**Dimensions** ..... 8.25 in (21 cm) Wide

8.25 in (21 cm) Long

20.25 in (51.4 cm) High

**Weight** ..... 18 lbs (8.16 kg)

**Pump Displacement**.... 4.4 cubic inch/stroke (72.11 cc/stroke)

**Pressure Gauge**..... 0-300 psi

### 1.5 FEATURES

- 15 foot (4.6 m) hose
- Large filtered fill port
- Inline filter after pump
- 0-300 psi pressure gauge
- Output connector (.305-32 UNS)
- Output needle valve

## 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, and/or substantial property damage** if the Warning Notice is ignored.



#### **CAUTION!**

Caution is used to indicate the presence of a hazard, which 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, and only the following steps are required to make it operational:



#### **CAUTION!**

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

1. Remove the fill cap and fill reservoir.
2. Operate hand pump several times to fill line and purge air.

## 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. Securely attach coupling to aircraft component.
2. Fully open needle valve.
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. Replace protective plug on coupling end to prevent dirt ingestion.

## 6.0 MAINTENANCE

### 6.1 FILTER

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 changed at least once annually.

## 7.0 PROVISION OF SPARES

### 7.1 SOURCE OF SPARE PARTS

Spare parts may be obtained from the manufacturer:

<b>TRONAIR, Inc.</b>	Telephone: (419) 866-6301 or 800-426-6301
1 Air Cargo Pkwy East	Fax: (419) 867-0634
Swanton, Ohio 43558 USA	E-mail: sales@tronair.com
	Website: www.tronair.com

For Spare Parts, Operations & Service Manuals or Service Needs:

Scan the QR code or visit [Tronair.com/aftermarket](http://Tronair.com/aftermarket)

### 7.2 RECOMMENDED SPARE PARTS LISTS

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



**8.0 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.**

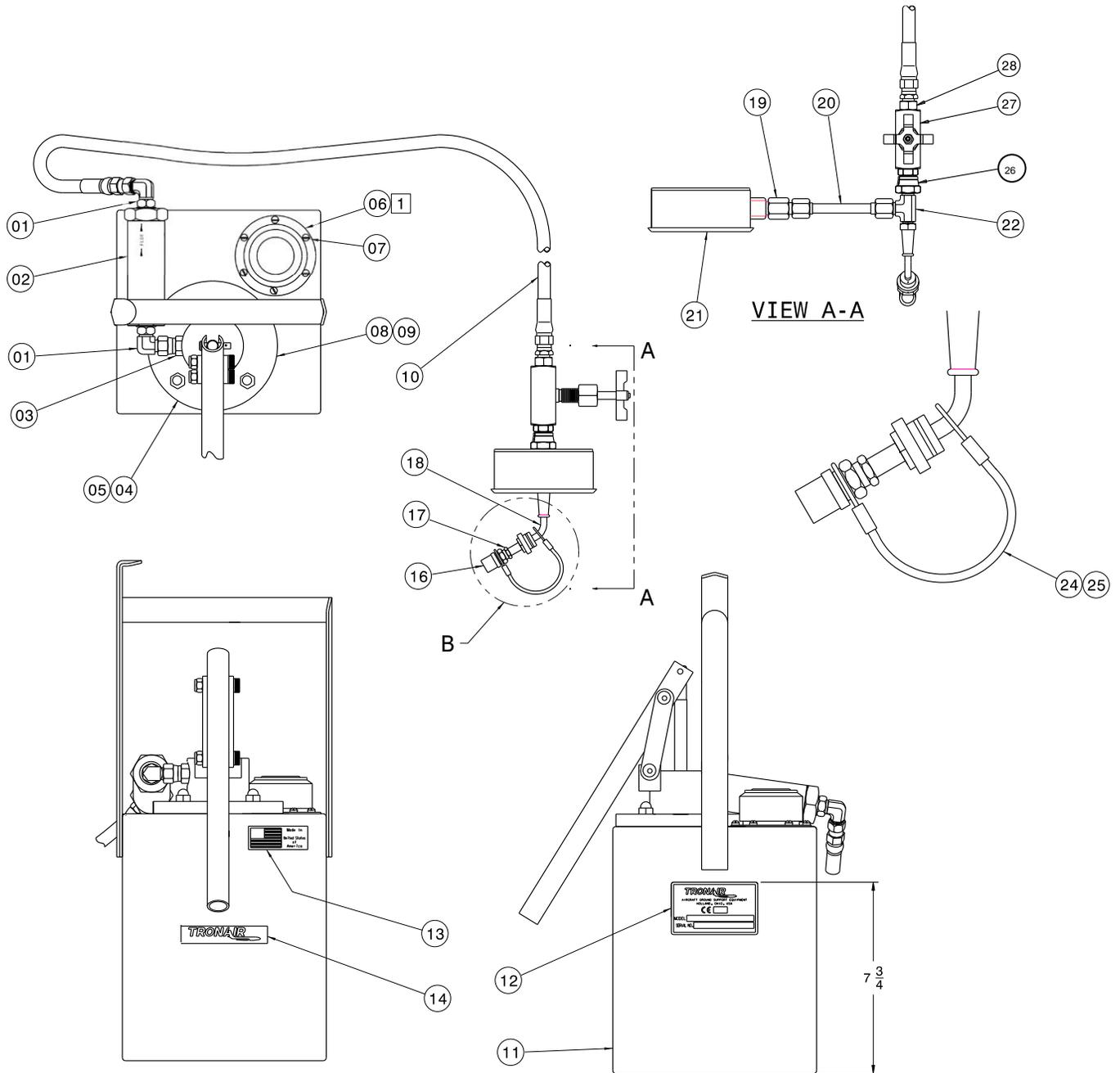
**9.0 APPENDICES**

APPENDIX I Declaration of Conformity

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## Parts List

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



**Parts List**

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

Item	Part Number	Description	Qty
1	N-2001-08-S-E	Elbow, STR THD (6-6)	2
2	HC-2140	Filter, Inline (ERP)	1
3	N-2036-03-S-E	Swivel, 37° JIC (6-6)	2
4	G-1463-1070	Nut, 3/8 – 16 Acorn Hex	4
5	G-1250-1070N	Flatwasher, 3/8 Narrow	4
6	HC-1030	Filler-Breather	1
7	G-1157-103504	Screw, #10 – 32 Pan HD CRS REC x ½ LG	6
8	HC-2157	Pump, Hand (PE)	1
9	HC-2006-334	O-Ring, Series 2	1
10	TF-1134-01*180	Assembly, Hose 3/8 (PE)	1
11	Z-5587	Weldment, 2 Gallon Container	1
12	V-1779	Label, Serial Number CE	1
13	V-1001	Label, Made in USA	1
14	V-1197	Label, Tronair	2
16	N-2749-01	Cap, Brass Pipe Threaded	1
17	H-1221	Valve, Air	1
18	PC-1067	Coupling, High Pressure hose	1
19	N-2010-07-S	Connector, Female	1
20	Z-6038	Assembly, Tube	1
21	HC-2837	Gauge, Pressure 300 psi	1
22	N-2017-09-S	Tee, Male Run	1
24	H-1389	Cable, Vinyl Coated	1
25	H-1390	Ferrule	2
27	HC-1900-02	Valve, Needle (-06, 5000 psi, PE)	1
28	N-2007-08-S-E	Connector, Straight Thread )-06)	1





## **APPENDIX I**

### **Declaration of Conformity**



# TRONAIR® EU Declaration of Conformity

**Model Number(s)** 06-5022-6C00-A1

**Product Type/Name:** Fluid Service Unit

**Serial Number(s):** Enter serial number(s)

**Declaration:** Tronair has assessed the equipment described above against the Essential Health and Safety Requirements of one or more Directives. Based on this assessment, the equipment described above is deemed to comply with the directive(s) listed below.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

**Directives:** New Machinery Directive 2006/42/EC

**Markings:** 

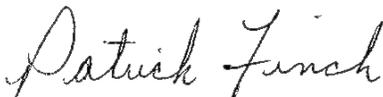
**The technical documentation for the machinery is available from:**

Mr. Joel Nunn  
34 Epirus Road, SW6 7UH, London, UK  
Email: [jnunn@tronair.com](mailto:jnunn@tronair.com)

**Location of Issue:** Tronair, 1 Air Cargo Parkway East, Swanton, OH 43558

**Certificate:** EU\_DoC\_06-5022-6C00-A1

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

  
Quality Assurance Representative

Enter a date

Date

