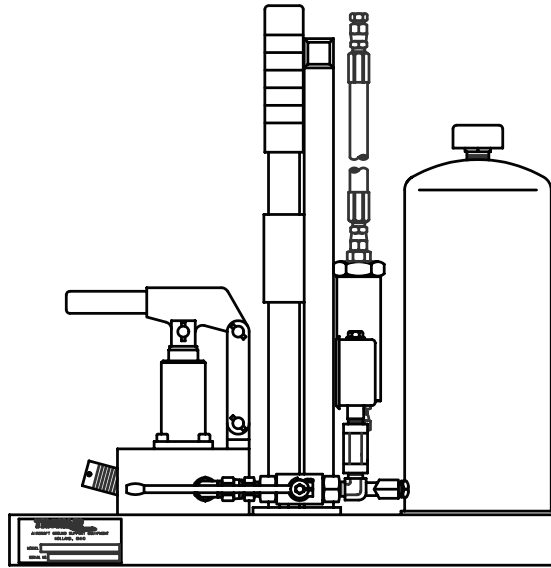




Operation & Service Manual



Model: 06-5054-3600
Component Pressure Test Unit

10/2004 - Rev. OR

Includes Illustrated Parts List

Tronair, Inc.

1740 Eber Road
Holland, Ohio 43528-9794
USA

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

Fax: (419) 867-0634

Web Site: www.tronair.com E-mail: sales@tronair.com

Model: 06-5054-3600
Component Pressure Test Unit

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
5.1	To Use Your Test Unit	1
5.2	To Maintain System Pressure	1
5.3	When Service Has Been Completed	1
	Parts List	2
APPENDIX	I	Instrument Certification Notice
APPENDIX	II	3,250 psi Hand Pump Parts List

Model: 06-5054-3600
Component Pressure Test Unit

REVISION	DATE	TEXT AFFECTED
OR	10/2004	Original Release

TRONAIR

10/2004 - Rev. OR

Model: 06-5054-3600
Component Pressure Test 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 06-5054-3600 Component Pressure Test Unit is a compact unit designed to provide a source of clean, pressurized fluid for filling reservoirs, bleeding brakes and other maintenance functions.

2.0 SPECIFICATIONS

- Tank Capacity: ½ gal (1.9 lt)
- Filtration: 2 Micron
- Maximum Pressure: 3,000 psig (206.8 bar)
- Weight: 25 lbs (11.3 kg)
- Fluid: (Phosphate Ester)

3.0 FEATURES

- 15 Foot Hose (4.6 m)
- Certified 5,000 psi (344.7 bar) Pressure Gauge
- Pressure Isolation Valve
- Quick Disconnect Coupling

4.0 PREPARATION FOR USE

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

1. Install appropriate fluid label.
2. Service reservoir; fill reservoir with appropriate clean fluid. Reference 2.0 Specifications.

Remove Air from Test Unit System by Completing the Following Steps:

1. Close manual pump release screw (lower right corner of pump base block).
2. Open isolation ball valve (located on side of unit).
3. Flow fluid by actuating manual pump.

5.0 OPERATION

5.1 TO USE YOUR Test Unit

1. Securely attach hose to the aircraft.
2. Close pump release screw.
3. Transfer hydraulic fluid by actuating the manual hydraulic pump.

5.2 TO MAINTAIN SYSTEM PRESSURE

1. Follow procedures in section 5.1
2. Close isolation ball valve at desire pressure.
3. Read system pressure from pressure gauge (allow time for pressure drop, if required).
4. Open isolation ball valve to relieve pressure.

5.3 WHEN SERVICE HAS BEEN COMPLETED

1. Open pump release screw to relieve hydraulic pressure.
2. Disconnect hose from aircraft.
3. Install hose end dust plug.

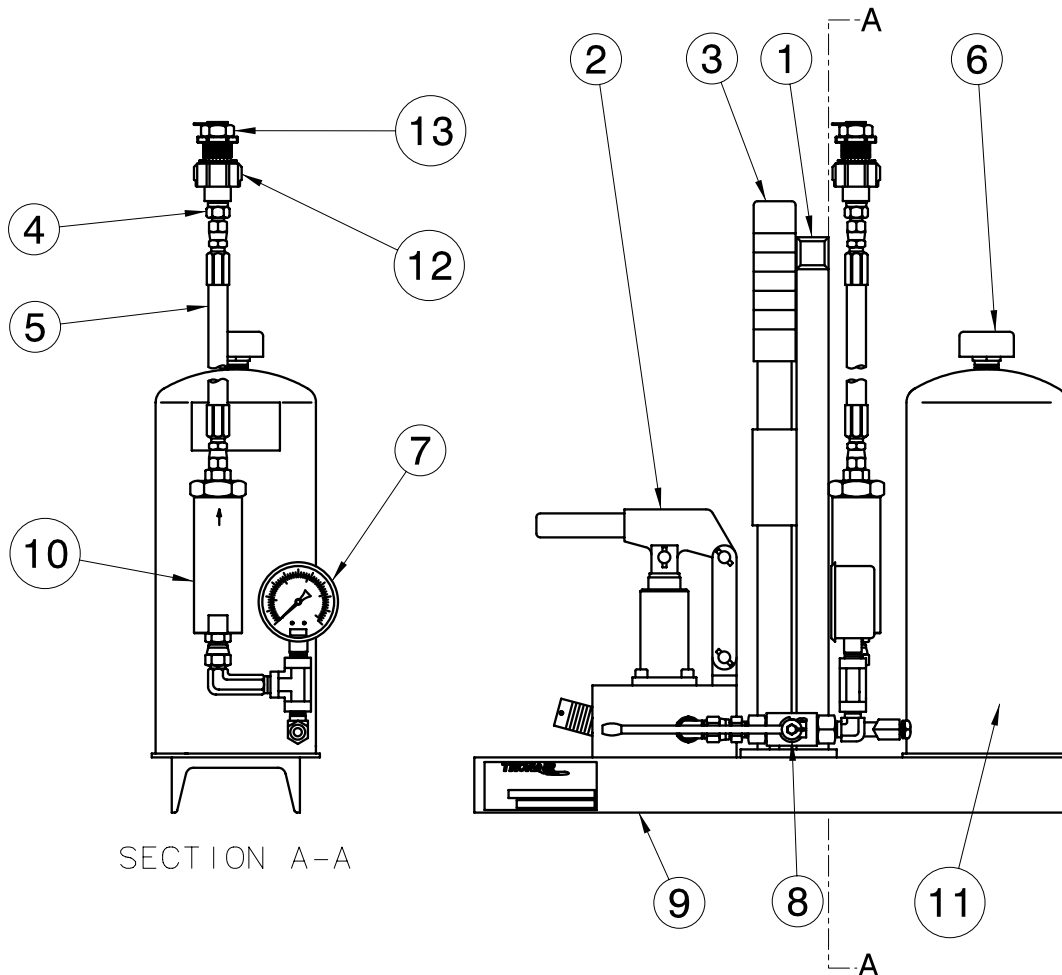
TRONAIR

10/2004 - Rev. OR

**Model: 06-5054-3600
Component Pressure Test Unit**

Parts List

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



ITEM	PART NUMBER	DESCRIPTION	QTY
1	Z-1291-01	Assembly, Handle	1
2	HC-1754	Pump, Hydraulic Hand	1
3	H-1009-02	Handle, Hand Pump	1
4	N-2052-06	Expander, Tube	1
5	TF-1041-05*180	Assembly, Hose #4	1
6	H-1045	Vent, Breather	1
◆ 7	HC-1042	Gauge, Pressure, 5,000 psi (344.7 bar)	1
8	HC-1834-02-E	Valve, Ball, 1/4" NPT 7,250 psi (500 bar)	1
9	D-016-01	Plate, Base	1
10	HC-2140	Filter, Inline	1
	K-3658	Element Kit	
11	Z-4669-01	Assembly, Reservoir	1
12	N-2419-01	Coupling, Quick Disconnect	1
13	N-2418-02	Plug, Dust	1

◆ **Certify Pressure Gauge annually.**



APPENDIX I

**Instrument
Certification
Notice**



Instrument Certification Notice

The gauge Certificates of Calibration supplied for the gauge(s) on this unit contain the calibration data for the actual instrument calibrated, along with the calibration date of the STANDARD used to perform the calibration check.

The due date for re-calibration of the instrument should be based upon the date the instrument was placed in service in your facility. Re-calibration should be done on a periodic basis as dictated by the end user's quality system or other overriding requirements.

Note that Tronair, Inc. does not supply certificates of calibration on flow meters or pyrometers unless requested at the time of placed order. These instruments are considered reference indicators only and are not critical to the test(s) being performed on the aircraft.

Tronair, Inc.

1740 Eber Road

Holland, Ohio 43528-9794

Phone: (419) 866-6301 ! 800-426-6301

Fax: (419) 867-0634

Web Site: www.tronair.com E-mail Address: sales@tronair.com



APPENDIX II

**3250 PSI
Hand Pump
Parts List**



**Model: HC-1754
3250 psi
Hand Pump**

**Parts List
With Illustrations**

09/2001 – Rev. OR

**** When ordering Replacement Parts/Kits, please specify Model, Color and Serial Number of your Unit.****

Tronair, Inc.

*1740 Eber Road
Holland, Ohio 43528-9794
USA*

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

Fax: (419) 867-0634

Web Site: www.tronair.com E-mail: sales@tronair.com

Parts List

This pump is compatible with Phosphate Ester Hydraulic Fluids only.

Reference Illustration on Page 2.

REPLACEMENT PARTS

ITEM	PART NUMBER	DESCRIPTION	QTY
3.....	5M1-000-001.....	Pump Body.....	1
12.....	506-000.....	Flange Half.....	4
25.....	518-000.....	Socket Head Cap Screw.....	4
28.....	H-1009-01.....	Handle (Not Shown).....	1

REPLACEMENT KITS

ITEM	PART NUMBER	DESCRIPTION	QTY
	K-1032	Kit, Seal Replacement; consists of:	
4.....		O-ring, Release Screw.....	1
6.....		O-ring, Outlet Check.....	1
11.....		O-ring, Valve Body.....	1
21.....		Wiper, Rod.....	1
22.....		Ring, Backup.....	1
23.....		O-ring, Piston.....	1
27.....		O-ring, Tube Seal.....	1
◆ Not Shown.....		O-ring, Inlet Check.....	1
◆ Not Shown.....		O-ring, Guide Shoe.....	2
◆ Not Shown.....		Shoe, Piston Guide.....	1
	K-1068	Kit, Linkage Replacement; consists of:	
13.....		Pivot.....	1
14.....		Assembly, Linkage Pin.....	2
17.....		Strap.....	2
18.....		Assembly, Clevis Pin.....	1
19.....		Bracket, Pump Handle.....	1
	K-1069	Kit, Internal Parts Replacement; consists of:	
7.....		Spring, Inlet Check.....	1
8.....		Spring, Outlet Check.....	1
9.....		Ball, Outlet Check.....	1
10.....		Ball, Inlet Check.....	1
◆ Not Shown.....		Ball, Release.....	1

Replacement Kits List continued on following page.

- ◆ **Although this item is listed in its particular kit, it is not used on HC-1754 pump. These items may be discarded.**

HC-1754
3250 psi Hand Pump

Parts List

This pump is compatible with Phosphate Ester Hydraulic Fluids only.

Reference Illustration on Page 2.

REPLACEMENT KITS

<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QTY</u>
	K-1778	Kit, Piston/Cylinder Replacement; consists of:	
15.....		Piston.....	1
16.....		Tube	1
20.....		Retainer, Wiper	1
24.....		Assembly, Valve Body (Includes Items 7, 10, 24, 26).....	1
	K-1909	Kit, Piston/Seal Replacement; consists of:	
15.....		Piston.....	1
22.....		Ring, Backup	1
23.....		O-ring, Piston	1
	K-2785	Kit, Release Screw Replacement; consists of:	
2.....		Screw, Release	1
30.....		Retainer, Screw.....	1

NOTE: Entire pump assembly can be purchased as a kit. See Operation and Service Manual Parts List.

Parts List Illustration



WARNING!

Item 2 is a pre-set relief valve. Do Not disassemble this valve. Replacement parts are available as a pre-set valve assembly.

