



**Model: 14-6814-3600
Brake Tester**

04/2020 – Rev. 04

REVISION

03

04

DATE

03/2018

04/2020

TEXT AFFECTED

Major revision

Modified 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.

1.0 PRODUCT INFORMATION

1.1 DESCRIPTION

The Tronair Model 14-6814-3600 Brake Tester is a compact unit designed to provide a source of clean pressure fluid for servicing aircraft brakes.

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

Tank Capacity8 gallons
Maximum Pressure500/4000 psig
FluidPhosphate Ester
Filtration3 micron absolute
Weight115 lbs

1.5 FEATURES

- 5 ft hoses
- Pressure gauges: 0-300 psi
0-5000 psi
- Shut-off valves for component testing
- 4000 psi hi-low pump provides high flow and high pressure capability
- Bypass 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

- Service reservoir – fill with appropriate clean fluid
- Remove air from system
- Close pump release screw
- Close bypass valve
- Open valve 1 and actuate hand pump. Flow fluid until all air is bled.
- Repeat process for valves 2 and 3

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

- Attach appropriate pressure and return hoses to brake
- Close pump release screw
- Open needle valve 1
- Close bypass valve
- Actuate hand pump to build pressure
- Close needle valve 1 to hold pressure
- Open needle valve 1
- Open pump release screw to relieve hydraulic pressure
- Reattach pressure and return hoses to appropriate hose bulkhead

NOTE: When testing multiple brakes, use appropriate needle valves with pressure hoses.

6.0 PROVISION OF SPARES

6.1 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

6.2 RECOMMENDED SPARE PARTS LISTS

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

7.0 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:

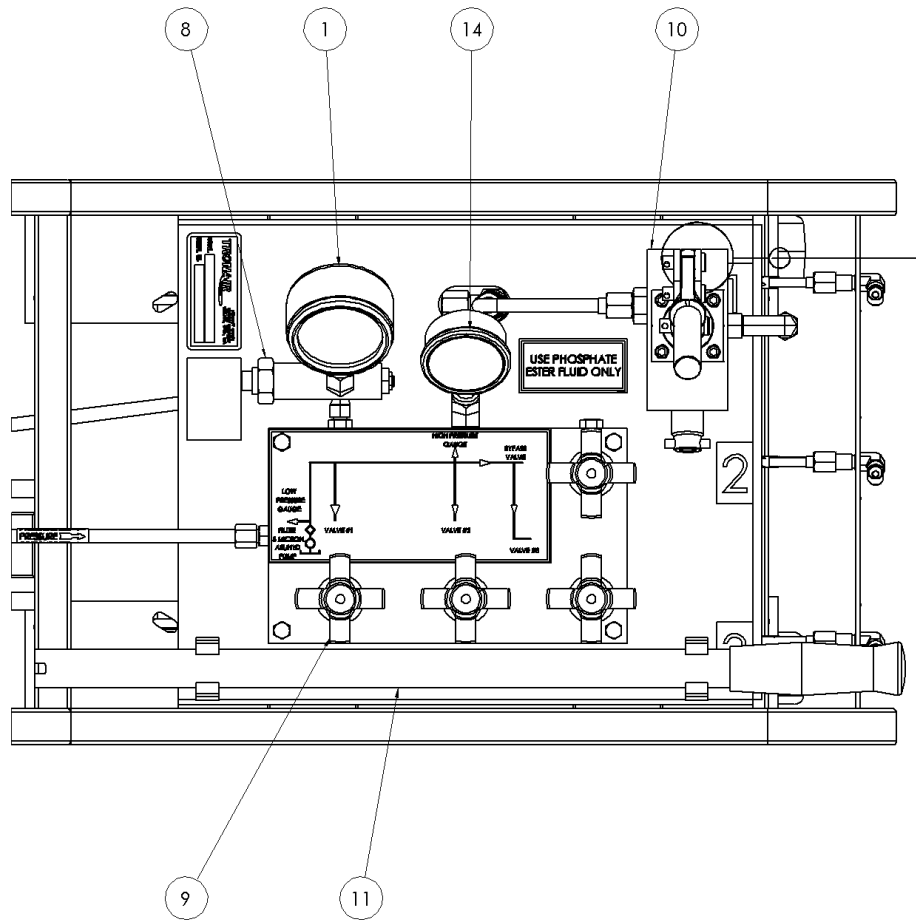
- a) Product Model Number
- b) Product Serial Number
- c) Description of the problem

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.

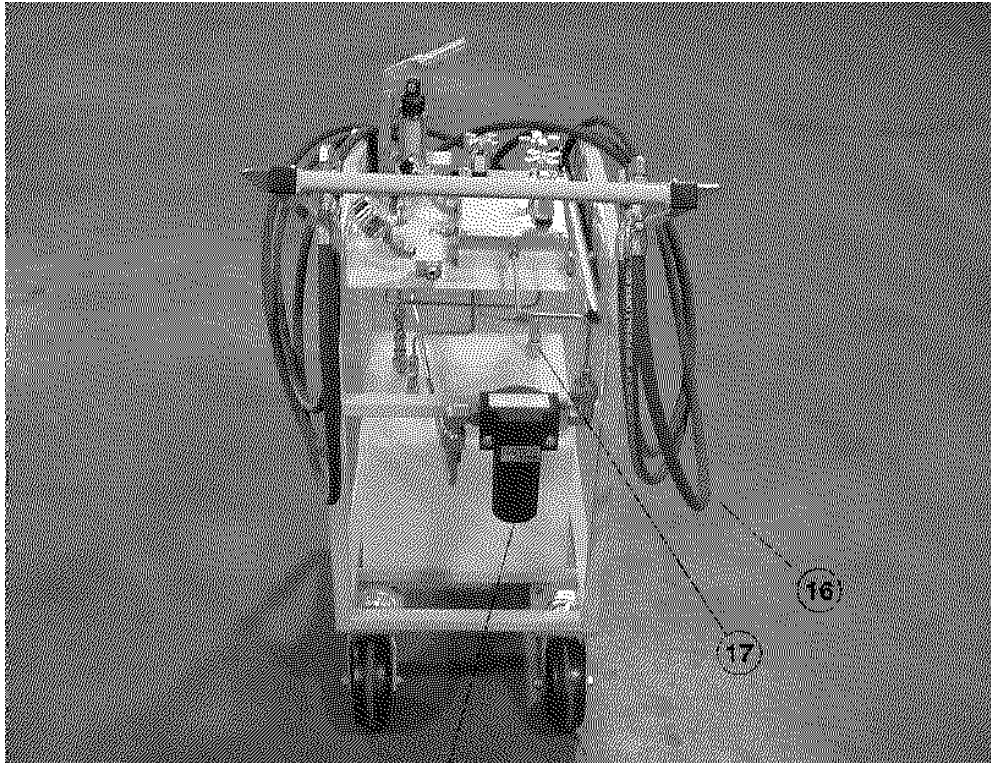
The obligations of Tronair expressly stated herein are in lieu of all other warranties or conditions expressed or implied. **Any unauthorized modification of the Tronair products or use of the Tronair products in violations of cautions and warnings in any manual (including updates) or safety bulletins 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.**

Parts List

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

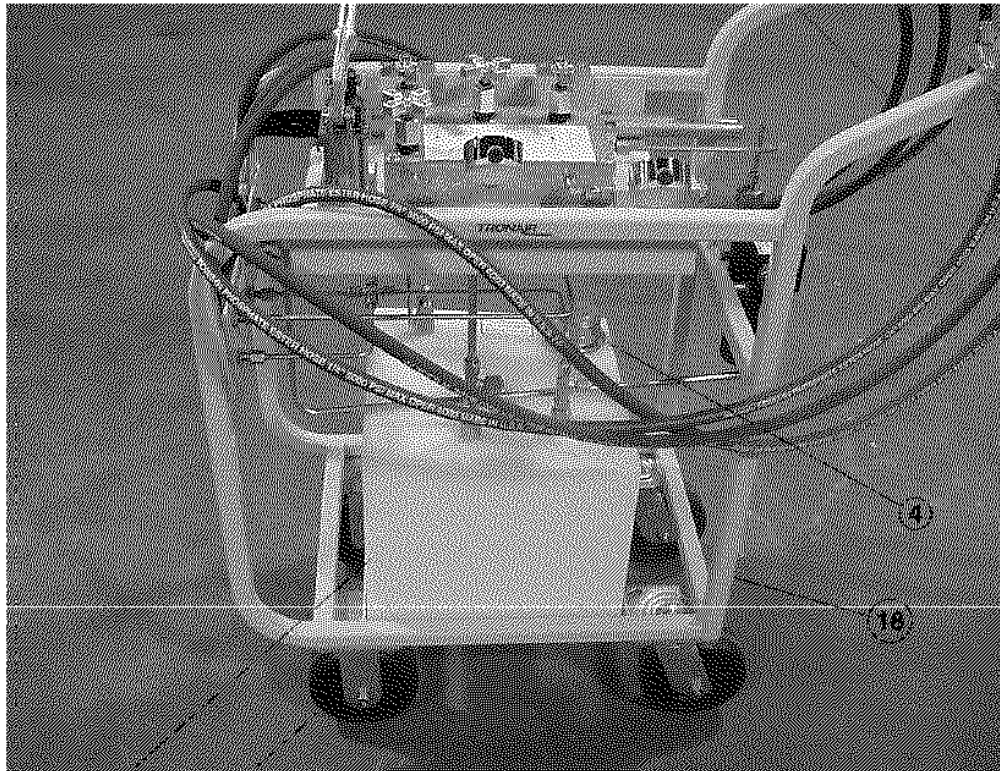


Item	Part Number	Description	Qty
1	HC-1784	Pressure Gauge (0-300 psi)	1
2	HC-1084	Filter Assembly	1
3	K-1415	Replacement Filter Element	1
4	HC-1030	Filler – Breather	1
5	H-2759	Reservoir	1
6	U-1013	Rigid Cater	2
7	N-2076-01	Bulkhead Fitting	6
8	HC-2857	Valve Snubber	1
9	Z-1711	Needle Valve	4
10	HC-1779	Hand Pump	1
11	H-1009-01	Pump Handle	1
12	J-2258	Bulkhead Plate (return)	1
13	J2257	Bulkhead Plate (pressure)	1
14	HC-1042	Pressure Gauge (0-5000 psi)	1
16	TF-1041-05*60.0	Hose Assembly	6
17	Z-1273	Reservoir Tube Assembly	3
18	Z-2905-01	Frame Weldment	1
19	U-1014	Swivel Caster	2



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