



**Model: 14-6903-6000
Strut Service Kit**

05/2008 – Rev. 01

**For Spare Parts, Operations & Service Manuals or Service Needs
Scan the QR code or visit Tronair.com/aftermarket**



REVISION	DATE	TEXT AFFECTED
01	05/2008	Original Release
02	09/2023	Added CE Mark and Declaration of Conformity

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APPENDIX I Instrument Certification Notice

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 SAFETY INSTRUCTIONS

The Operation, Maintenance, and Trouble Shooting of this high pressure nitrogen strut service kit requires practices and procedures which ensure personal operator safety and the safety of others. Therefore, this equipment is to be operated and maintained only by qualified persons.

NOTE: Safety instructions specifically pertaining to this kit appear throughout this manual highlighted by the signal words: **WARNING** or **CAUTION**, which identify different levels of hazard.



WARNING! Denotes practices which if not carefully followed, could result in *serious personal injury and/or death*.

CAUTION! Denotes practices which if not carefully followed, could result in *minor personal injury or damage to this equipment*.

Nitrogen equipment must be kept clean and free from contaminants at all times. It is imperative that all inspection, maintenance, testing and servicing of nitrogen system components be done by trained and qualified personnel using approved procedures.

1.1 GENERAL SAFETY REQUIREMENTS

Pressures: Gasses under pressure are a potential hazard in the form of stored energy. Accidents can occur when this energy is improperly handled. Be sure that all equipment used is compatible and designed to control the pressures encountered.

Nitrogen: Nitrogen is chemically stable, non-flammable, and does not support combustion.

Handling: Nitrogen handling must be done with care. The rapid expansion of Nitrogen gas from a high pressure source to an area of low pressure can produce cryogenic temperatures which could cause severe burns.

1.2 WARNINGS AND CAUTIONS



WARNING!

To use this tool follow instructions found in the aircraft maintenance manual.



CAUTION!

Be sure all valves and controls are in the closed (OFF) position.

2.0 PROVISION OF SPARES

2.1 SPARE PARTS

Spare parts may be obtained from the manufacturer:

TRONAIR , Inc.	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

2.2 PARTS LISTS & ILLUSTRATIONS

Reference the following page for Replacement Parts and Kits available.

3.0 IN-SERVICE SUPPORT

Contact Tronair for technical services and information.



4.0 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 manufacturer's 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.**

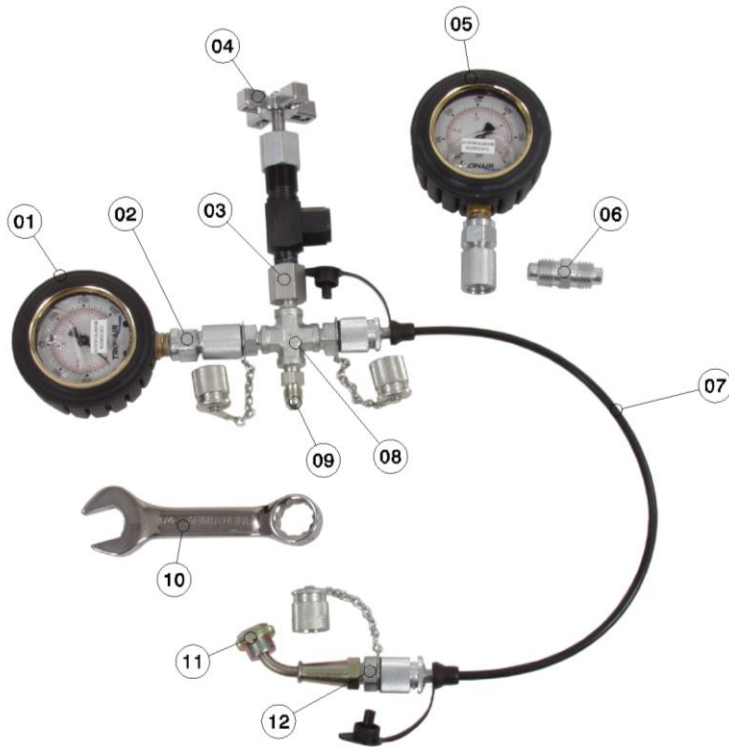
Parts List

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

WARNING!



1. The maximum operating pressure for this gauge assembly is 3,000 psi.
2. This Gauge Assembly is NOT Phosphate Ester Fluid Resistant.
3. GAUGE CALIBRATION: The pressure gauge is to be calibrated annually or as required. Reference Appendix I.



Item	Part Number	Description	Qty
1	HC-1783	Gauge, Pressure 3,000 psi	1
2	N-2815	Adapter, Direct Gauge	2
3	N-2250-03	Adapter, Expanding Pipe	1
4	HC-1101-01	Valve, Needle	1
5	HC-1868	Gauge, Pressure 600 psi	1
6	N-2817	Union	1
7	TF-1160-02	Hose, Assembly	1
8	N-2590-01	Cross, Steel Pipe	1
9	N-2009-03-S	Connector, Male	1
10	H-3092-01	Wrench, Stubby Combination	1
11	PC-1067	Connector, High Pressure Hose	1
12	N-2816-01	Coupling, Pressure Test	3
	H-2262-04	Box, Plastic Tool	1
	H-2161-02	Foam, 1" Thick	2

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.

Statement of Compliance

Tronair has assessed the equipment described below against the Requirements of the Directive listed below. Based on Article 4, Section 3 of the directive, the equipment shall not carry the CE mark.

This equipment has been designed and manufactured in accordance with Sound Engineering Practice.

This statement of compliance is issued under the sole responsibility of the manufacturer.

Model Number(s) 14-6903-6000

Product Type/Name: Aircraft Tire Pressure Gauge

Directive: Pressure Equipment Directive 2014/68/EU, Article 4: Section 3
Without prejudice to other applicable Union harmonization legislation providing for its affixing, such equipment or assemblies shall not bear the CE marking.

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

