

K-1106 – Manifold Assembly

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 DESCRIPTION

The Tronair Air Manifold is a light weight portable unit containing one shop air inlet port and three valved exit ports. The Air Manifold comes complete with hoses and valves. The customer is responsible for the appropriate shop air inlet fitting and its installation.

2.0 USAGE

The purpose of the Air Manifold is to be a shop air distribution center. It provides, from a single source, three controllable air lines for the purpose of raising aircraft jacks with air/hydraulic pumps. It can also be used to operate pneumatic tools, pneumatic equipment, etc.



CAUTION
Maximum shop air pressure 140 psi (9.7 bars).

3.0 SPECIFICATIONS

- Weight: 10 lbs (4.5 kg)
- 140 psi (9.7 bar) maximum air pressure
- 3 shut-off valves with quick disconnects
- Three 25 ft (7.6 m) long hoses with quick disconnects

4.0 CLAIMS

4.1 Shipping Damage

Immediately upon delivery of this unit, a visual inspection should be made, making note on the shipping papers of any and all damage found.

5.0 ASSEMBLY AND OPERATING INSTRUCTIONS

5.1 PREPARATION FOR USE

1. Install appropriate shop air inlet fitting (supplied by customer) in plugged hole in manifold. Threads are 1/4-18 NPT.
2. Attach quick disconnect female thread plugs (supplied on manifold hoses) to air pump on each jack.

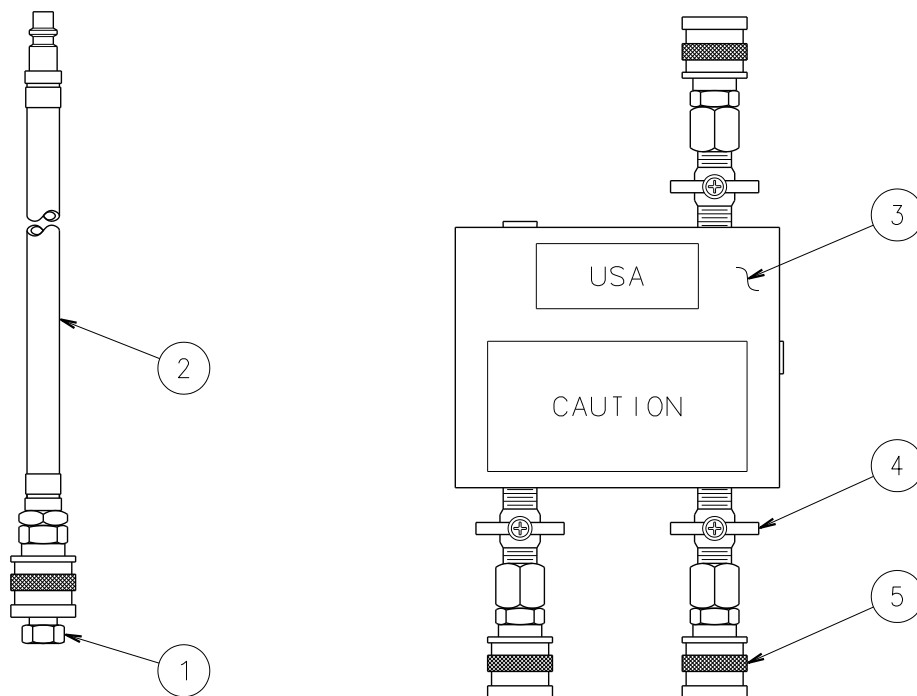
5.2 OPERATION

Refer to jack operating manual and follow all jacking instructions.

1. Connect quick disconnect manifold hoses between air manifold and jacks.
2. Position fully retracted jacks beneath jack pads and raise mechanical extensions as close to jack pads as possible.
3. Close pump release valve and open jack air pump inlet air needle valve on each jack.
4. Close all needle valves on manifold.
5. Connect air supply to manifold and adjust to 100 psi (6.9 bars).
6. Slowly open manifold needle valves to supply air to jack air pumps. Raise all jacks as uniformly as possible.
7. When aircraft reaches desired height, close manifold needle valves and lower jack ram locknuts. Close air pump needle valves on each jack and disconnect manifold hoses from jack air pumps.
8. Refer to jacking instructions to lower aircraft.

Parts List

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



Item	Part Number	Description	Qty
1	N-2413-02	Plug, Female Thread Q.D.	3
♦ 2	K-1183	Hose, 25 ft (7.6 m)	3
♦ 3	K-2101	Block, Manifold	1
4	H-1173	Valve, Needle	3
5	N-2415-02	Socket Shut-off, Female Thread	3

♦ Those items designated as kits contain all hardware necessary for installation.

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.**



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

Manifold Assembly
K-1106

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

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

Quality Assurance Representative

The Tronair Family of Ground Support Equipment and cloud based EBis GSE Fleet Management



Cloud Based Fleet Management

The premier global supplier of ground support equipment



The Tronair Family of GSE Product Lines

UNPARALLELED RANGE OF PRODUCTS FOR BUSINESS, COMMERCIAL AND MILITARY AIRCRAFT

LIFTING & SHORING (ATA-7)

Hydraulic Tripod Jacks
Axle Jacks
Jack Test Equipment
Stabilizing Stands & Alarms
Aircraft Recovery Dollies

LEVELING & WEIGHING (ATA-8)

Aircraft Weigh Equipment

TOWING AND TAXIING (ATA-9)

Towbar Systems
Tow Vehicles & Tractors

PARKING & MOORING (ATA-10)

Chocks & Covers

SERVICING (ATA-12)

Multi-Purpose Carts
Hydraulic & Engine Oil Servicing
& Test Equipment
Lavatory Servicing Carts
Potable Water Transport Carts
Oxygen & Nitrogen Carts
Oxygen & Nitrogen Boosters

AIR CONDITIONING (ATA-21)

Air Conditioning Equipment
Coolant System Fill/Drain Carts
Cabin Pressurization Test Units

ELECTRICAL (ATA-24)

Ground Power Units
Battery Charger/Analyzer

FUEL (ATA-28)

Fuel Transfer Cart
Fuel Tools

HYDRAULIC POWER (ATA-29)

Hydraulic Power Units
Ram Air Turbine (RAT)
Hydraulic Coupling Hose Adaptors

ICE & RAIN PROTECTION (ATA-30)

Deicer Carts

AIRCRAFT TOOLING

Designed to your Specifications

LANDING GEAR (ATA-32)

Beadbreakers
Dollies - Wheel & Brake
Service Tools
Strut Service Carts
Regulators, Adaptors,
Connectors & Gauges

FUSELAGE (ATA-53)

Lifts, Cranes & Hoists
Maintenance Platforms
Access Stands
Docking Systems

PROPELLERS (ATA-61)

Propeller Stands/Slings/Tools

POWER PLANT (ATA-71)

Engine Compressor Washers
Engine Hoists, Slings & Stands

CLOUD BASED FLEET MGT.

Manage your Repair Station,
Multi Location Jet Center or
Small Operation



www.tronair.com

www.columbusjack.com | www.daeind.com | www.datcomedia.com | www.eagletugs.com | www.malabar.com

Sales Offices: USA • Asia/China • Australia/New Zealand/Singapore • Europe/Middle East/Africa

Tronair, Inc. • 1 Air Cargo Pkwy East • Swanton, OH 43558, USA
Phone: 419-866-6301 | Toll Free: 1-800-426-6301 | Email: sales@tronair.com