

Model: 14-6872-8100
Landing Gear Installation Dolly

07/2023 – Rev. 01

For Spare Parts, Operations & Service Manuals or Service Needs
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REVISION	DATE	TEXT AFFECTED
OR	04/1997	Original release
01	07/2023	Major revision

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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 Tronair Landing Gear Installation Dolly incorporates the following quality features:

- Heavy-duty steel construction
- Easy maneuverability
- Can be fixed into static position with stabilizer screws
- Easily changeable adapter arm assembly
- Tilting forward-to-back lead screw adjustment
- Tilting side-to-side lead screw adjustment
- Hydraulic lifting with finite control

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 USAGE

The purpose of this landing gear dolly is to allow for positioning of aircraft landing gear for installation.

1.5 SPECIFICATIONS

Weight.....650 lbs.
Length.....61-3/8 inches
Width.....48-1/4 inches
Height.....70-3/16 inches

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 TRAINING

3.1 TRAINING REQUIREMENTS

The employer of the operator is responsible for providing a training program sufficient for the safe operation of the unit.

3.2 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.

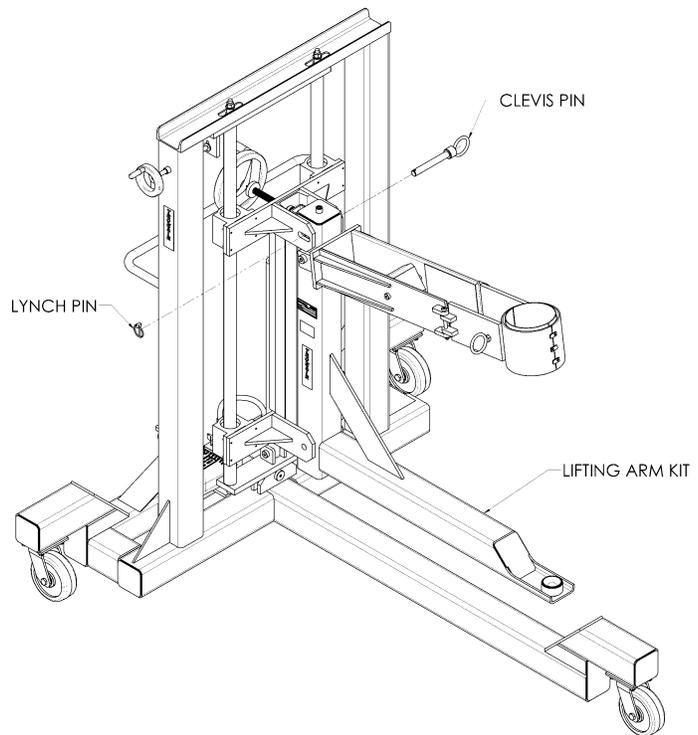
3.3 OPERATOR TRAINING

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.

4.0 OPERATION

1. Attach appropriate lifting arm with clevis pin (See figure).
2. Load landing gear assembly into dolly.
3. Locate dolly in approximate location for installation.
4. Using hand pump, raise gear into mounting location; use back and side adjusting screws to position landing gear for mounting pin installation.
5. Remove landing gear attachment points and lower arm from gear.



5.0 MAINTENANCE

1. Lubricate swivel caster bearing race with multi-purpose grease.
2. Lubricate adjusting screws and all pivot points.
3. Maintain hand pump reservoir level with MIL-L-5606 fluid.
4. Periodically check all pivot pins and ball-lock pins for wear.

6.0 PROVISION OF SPARES

6.1 SOURCE OF 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



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:

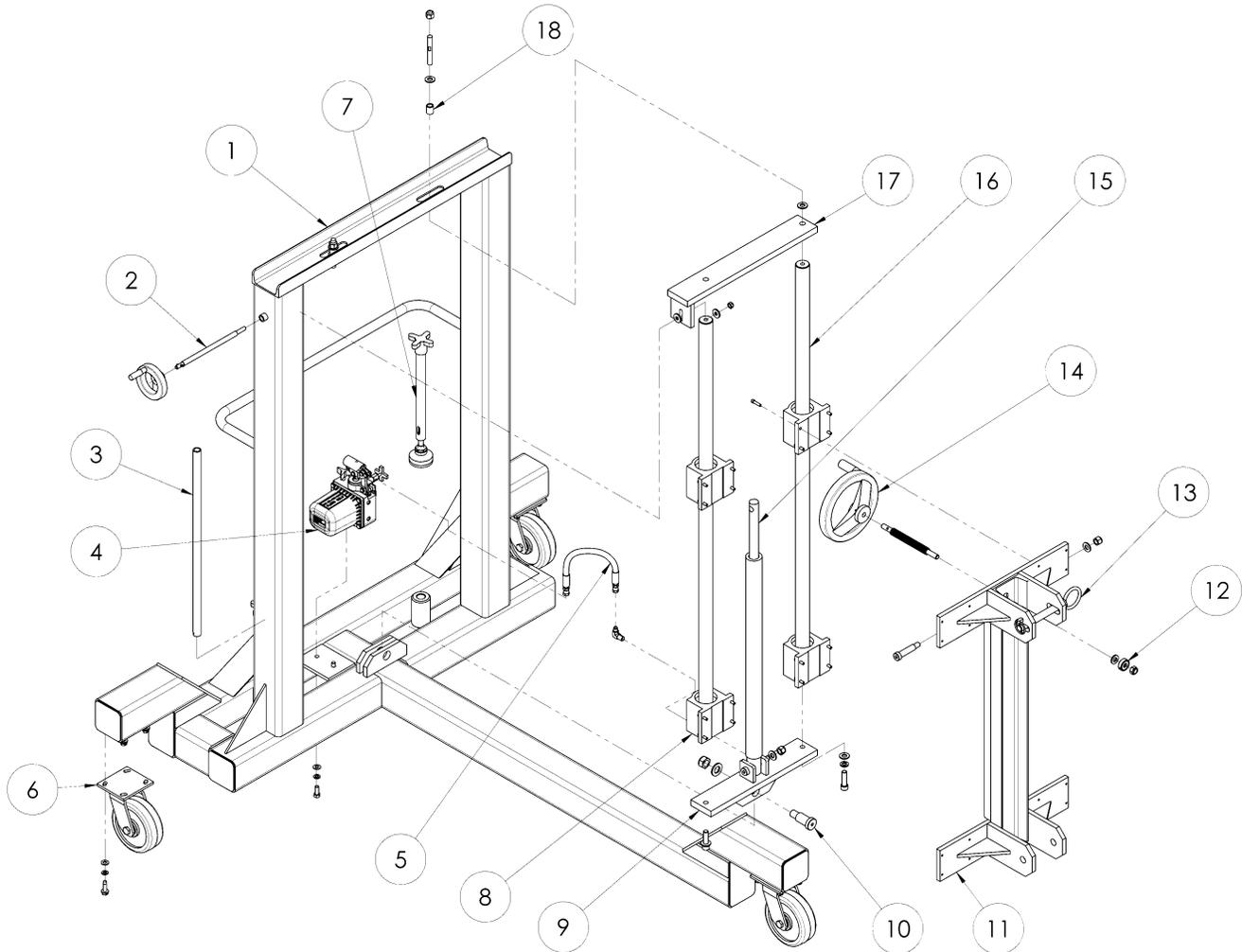
- a) Product Model Number
- b) Product Serial Number
- c) Description of the problem

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	Z-3415-01	Weldment, Frame	1
3	H-1010-01	Handle, Pump	1
5	TF-1043-01*21.0	Assembly, #4 Hose	1
7	Z-2964	Assembly, Stabilizer Screw	2
9	Z-3420	Weldment, Slide Base	1
11	Z-3419-01	Weldment, Slide	1
12	H-2107-05	Bearing, Thrust	1
16	R-1699	Rod, Guide	2
17	Z-3423	Weldment, Slide Top	1
18	TR-1519	Tube, Spacer	2
2	K-2618	Kit, Side Hand Wheel; consists of:	
	G-1202-1075	Stopnut, 3/8-24 Elastic	1
	G-1300-19100	Pin, 3/16" x 1" long, Roll	1
	H-2098	Wheel, Modified Hand	1
	R-1686	Screw, Side	1
	R-1691	Washer, Adjuster	1

Parts List

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

Item	Part Number	Description	Qty
4	K-2617	Kit, Pump; consists of:	
	G-1100-107010	Bolt, Hex Head, Grade 5, 3/8-16	2
	G-1250-1070N	Flatwasher, 3/8 Narrow	2
	G-1251-1070R	Lockwasher, 3/8 Regular	2
	Z-3729	Assembly, Hand Pump	1
6	K-2291	Kit, Swivel Caster; consists of:	
	U-1014	Caster, Swivel	1
	G-1251-1070R	Lockwasher, 3/8 Regular	4
	G-1180-107006	Screw, Hex Head, TPG Type F, 3/8	4
	G-1250-1070N	Flatwasher, 3/8 Narrow	4
8	K-2619	Kit, Sliding Pin Bearing; consists of:	
	G-1151-105210	Screw, 1/4-20 Hex Socket Head Cap	4
	H-2082-06	Block, Ball Bearing Pillow	1
10	K-2626	Kit, Pivot Bolt; consists of:	
	G-1155-111215	Screw, Socket Head Shoulder 1" diameter	1
	G-1202-1110	Stopnut, 1/4-10 Elastic	1
	G-1250-1110N	Flatwasher, 1/4 Narrow	1
13	K-2621	Kit, Clevis Pin; consists of:	
	G-1320-01	Pin, Lynch	1
	Z-3460	Weldment, Clevis Pin	1
14	K-2620	Kit, Rear Hand Wheel; consists of:	
	G-1202-1095	Stopnut, 1/2-20 Elastic	1
	G-1300-19200	Pin, Roll, 3/16" diameter x 2" long	1
	H-2099	Wheel, Modified Hand	1
	H-2107-05	Bearing, Thrust	1
	R-1687	Screw, Top	1
	R-1692	Washer, Adjuster	1
15	K-2616	Kit, Cylinder; consists of:	
	G-1155-109222	Screw, Socket Head Shoulder, 5/8" diameter	1
	G-1155-109224	Screw, Socket Head Shoulder, 5/8" diameter	1
	G-1202-1090	Stopnut, 1/2-13 Elastic	2
	G-1250-1090N	Flatwasher, 1/2 Narrow	2
	HC-1683-02-00	Cylinder, Single Acting	1
N-2005-04-S	Elbow, Male	1	