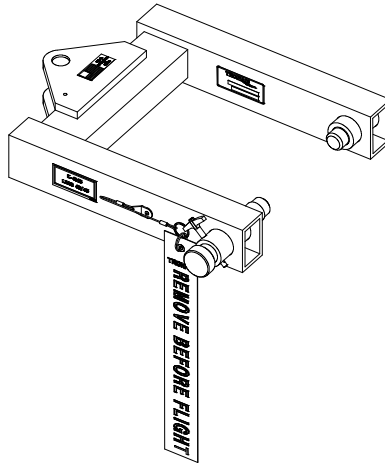




Operation & Service Manual



Model: K-4819
Lear 40/45 Aircraft
For JP30/JP30L

07/2013 – Rev. 01

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07/2013

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Original release



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Tronair towbars/heads must only be used with matching Tronair heads/towbars, and Tronair shear pins.

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 DESCRIPTION

The Tronair Model K-4819 kit is designed for towing Lear 40/45 Aircraft with the JP30/JP30L.

The towbar head attachment uses a sliding pin/stationary pin arrangement to interface with the aircraft tow point.

1.1 SPECIFICATIONS

Aircraft Application: Lear 40/45 Aircraft

Maximum Aircraft Gross Weight: 75,000 lbs (34 Metric tons)

Dimensions: Length: 16 in (40.64 cm) Centerline to centerline

Width: 10 7/8 in (27.6 cm) at aircraft interface

Height: 3 in (7.62 cm)

Weight: 15.1 lbs (6.9 kg)

2.0 SAFETY INFORMATION

2.1 GENERAL

The Tronair K-4819 kit is used for towing the Lear 40/45 Aircraft with the JP30/JP30L.

To ensure safe operation, please read the following statements and understand their meaning. This manual contains safety precautions which are explained as follows. 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.

WARNING!



A damaged or bent adapter should not be used. Adapter should be repaired or replaced.

Adapter should be used with JP30/JP30L

3.0 PROVISION OF SPARES

3.1 SPARE PARTS

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

Spare parts may be obtained from the manufacturer:

TRONAIR, Inc.

1740 Eber Road

Holland, Ohio 43528-9794 USA

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

Fax: (419) 867-0634

E-mail: sales@tronair.com

Website: www.tronair.com

3.2 PARTS LIST AND ILLUSTRATIONS

Reference the following pages for ordering information of Replacement Parts and Kits

4.0 IN-SERVICE SUPPORT

Contact Tronair for technical services and information.

5.0 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:

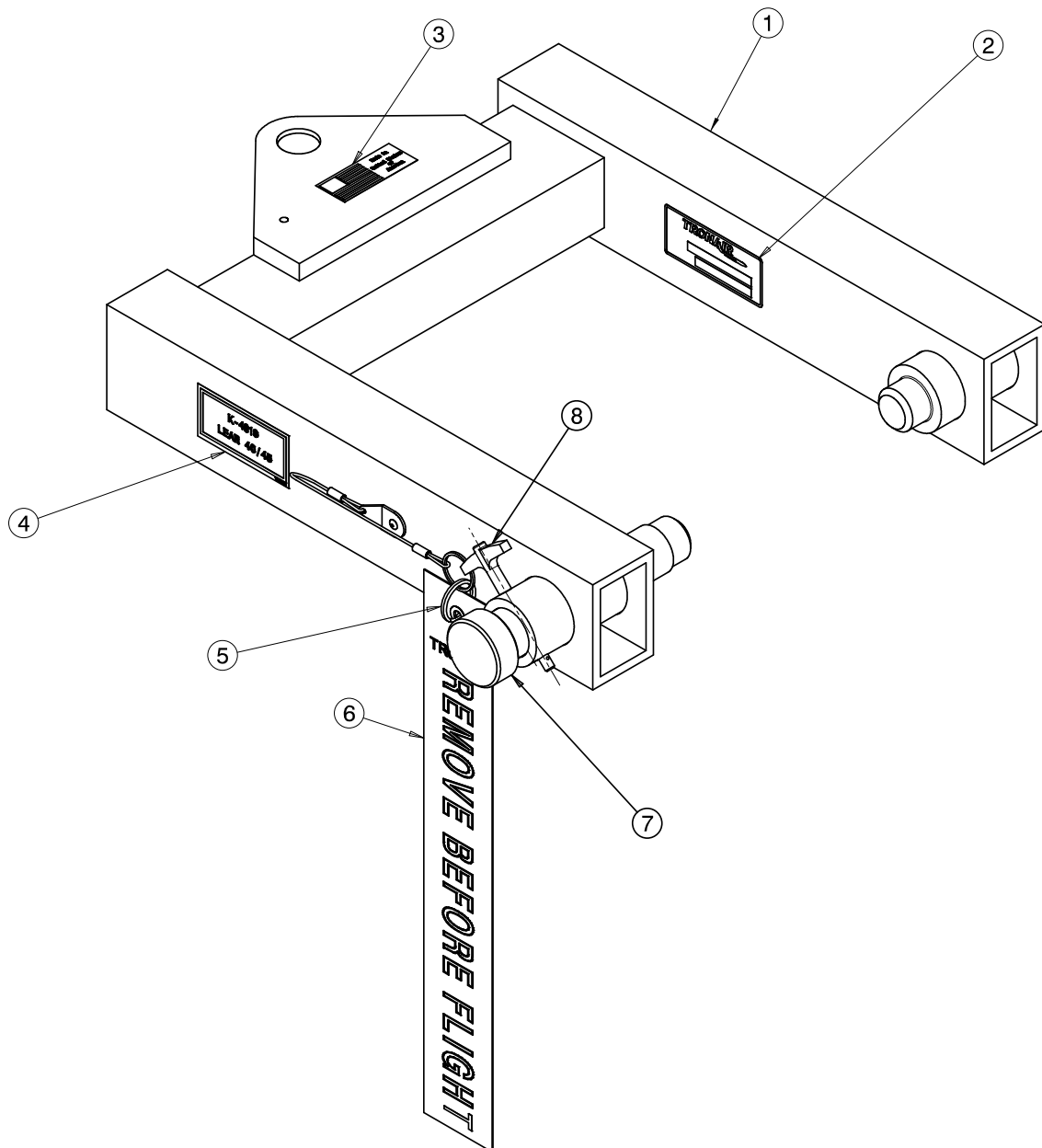
- a) Parts required for normal maintenance
- b) Parts covered by a component manufacturers warranty
- c) Replacement parts have a 90-day warranty from date of shipment

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


ITEM	PART NUMBER	DESCRIPTION	QTY
1	Z-8226-01	Weldment, Head	1
2	V-1003	Label, Serial Number	1
3	V-1001	Label, Made In USA	1
4	V-2484	Label, K-4819	1
5	H-2767	Ring, Split Retainer	1
6	B-160-01	Banner, Remove Before Flight	1
7	R-2260	Pin, Sliding	1
8	K-3461	Kit, Replacement Ball Lok-T Pin	1