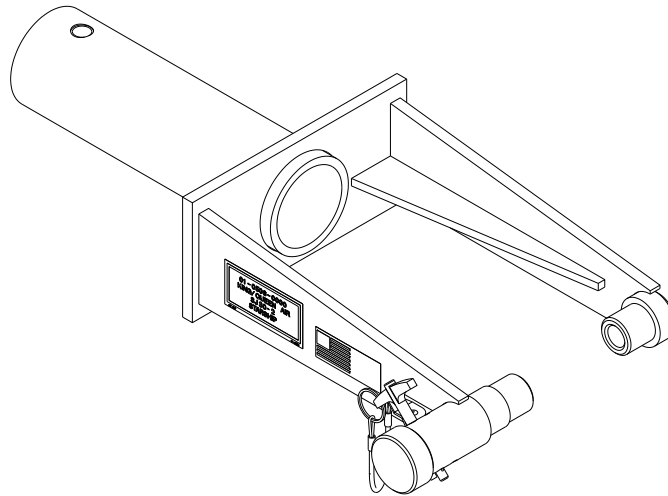




# OPERATION & SERVICE MANUAL



**Model: 01-0506-0000**  
**Multi-Head**  
**Beech King/Queen Air**



10/2024 – Rev. 07

The Tronair Group of Companies: Tronair | EBIS | Columbus Jack | Eagle | DAE | Malabar International

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REVISION	DATE	TEXT AFFECTED
03	12/18/03	2.1 Safety Information/General - warning added
06	01/2007	Added CE marking
07	10/2024	Major revision



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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. Only Tronair OEM replacement parts shall be used.

## 1.0 PRODUCT INFORMATION

### 1.1 DESCRIPTION

The Tronair Model 01-0506-0000 Multi-Head is a towbar head attachment for the Beech King and Queen Air, SJ30-2 and Starship aircraft.

The towbar head attachment is designed for use with Tronair Multi-Head Towbar Models 01-1201-0010, 01-1202-0000 and 01-1290-0100 for towing the previously stated aircraft. The towbar head attachments use a sliding pin/stationary pin arrangement to interface with the aircraft tow point.

### 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

Aircraft Application(s) .....	Beech King Air, Beech Queen Air, Beech SJ30-2, Beech Starship Aircraft
Width .....	10.625 in (26.99 cm) at the widest sliding pin setting
Length .....	20.5 in (52.1 cm) overall
Height .....	4 in (10.2 cm)
Weight .....	18 lbs (8.16 kg)
Finish .....	Blue Powder Coat
Aircraft Gross Weight (Maximum) .....	18,000 lbs (8 metric tons)

## 2.0 SAFETY INFORMATION

### 2.1 USAGE AND SAFETY INFORMATION

To ensure 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.

### 2.2 GENERAL

The Tronair Model 01-0506-0000 towbar head attachment is used for towing Beech King Air, Beech Queen Air, Beech SJ30-2, Beech Starship Aircraft only.

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!

**A damaged or bent towbar should not be used. Towbar should be repaired or replaced.**



#### WARNING!

**Tronair recommends the use of a towbar with a category 1 or category 2 tug and aircraft not exceeding 75,000 lbs gross weight. Using the towbar with aircraft weighing in excess of this specific limitation may result in excessive loads and stresses being applied to the towbar and/or the aircraft. These excessive loads may cause failure of the towbar which could cause damage (INCLUDING WITHOUT LIMITATION to the aircraft) and/or personal injury OR DEATH. TRONAIR MAKES NO REPRESENTATION, WARRANTY OR GUARANTEE AS TO SUCH MISUSE AND DISCLAIMS ANY AND ALL LIABILITY FOR INJURY, LOSS OR DAMAGE ARISING FROM OR RELATING TO SUCH MISUSE.**

**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 towbar.

**3.2 TRAINING PROGRAM**

The employer-provided operator training program should cover safety procedures concerning use of the towbar in and around the aircraft at the servicing location.

**3.3 OPERATOR TRAINING**

The operator training should provide the required training for safe operation of towbar.

**NOTE: Maintenance and Trouble Shooting are to be performed by the skilled and trained technician.**

**4.0 OPERATION****4.1 PRELIMINARY CHECKLIST****4.1.1 Head Attachment Weldment**

- Check weld between connector tube and head plate for cracks.
- Check weld between side rails and head plate for cracks.
- Check weld between side rail and stationary pin for cracks.
- Check weld between side rail and sliding pin sleeve for cracks.

**4.1.2 Sliding Pin**

- Check sliding pin for bending or excessive wear. Ensure sliding pin slides freely.
- Check sliding pin ball lok-T pin. ensure ball lok-T pin is securely attached to the head attachment weldment via its lanyard.
- Ensure ball lok-T pin is not loose or missing.

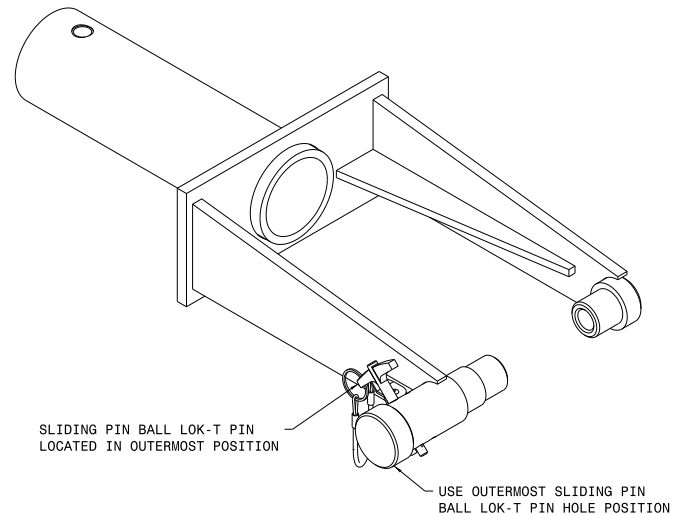
**4.2 USAGE PROCEDURE**

Secure the towbar head attachment using the ball lok-T pin (supplied with the multi-head towbar) onto one of the following Tronair Multi-Head Towbar Models:

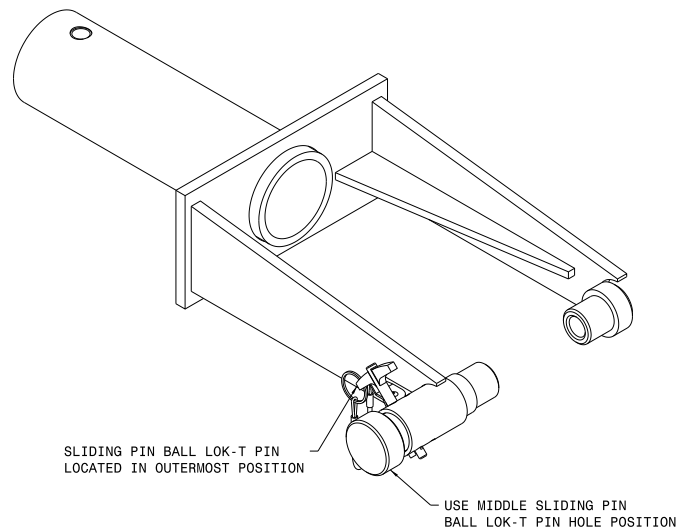
- 01-1201-0010
- 01-1202-0000
- 01-1290-0100

Set the sliding pin to the correct location on the multi-head towbar using its ball lok-T pin.

**Reference Figures 1 – 3.**



**Figure 1 – Sliding Pin Position for Starship**



**Figure 2 – Sliding Pin Position for King & Queen Air**



**Figure 3 – Sliding Pin Position for King Air 90-B**



**5.0 PROVISION OF SPARES**

**5.1 SOURCE OF SPARE PARTS**

Spare parts may be obtained from the manufacturer:

<b>TRONAIR, Inc.</b>	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

**5.2 RECOMMENDED SPARE PARTS LISTS**

Reference the following page(s) for Replacement Parts and Kits available.  
Recommended Spares:  
K-1308.....Kit, Ball Lok-T Pin Replacement

**6.0 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:

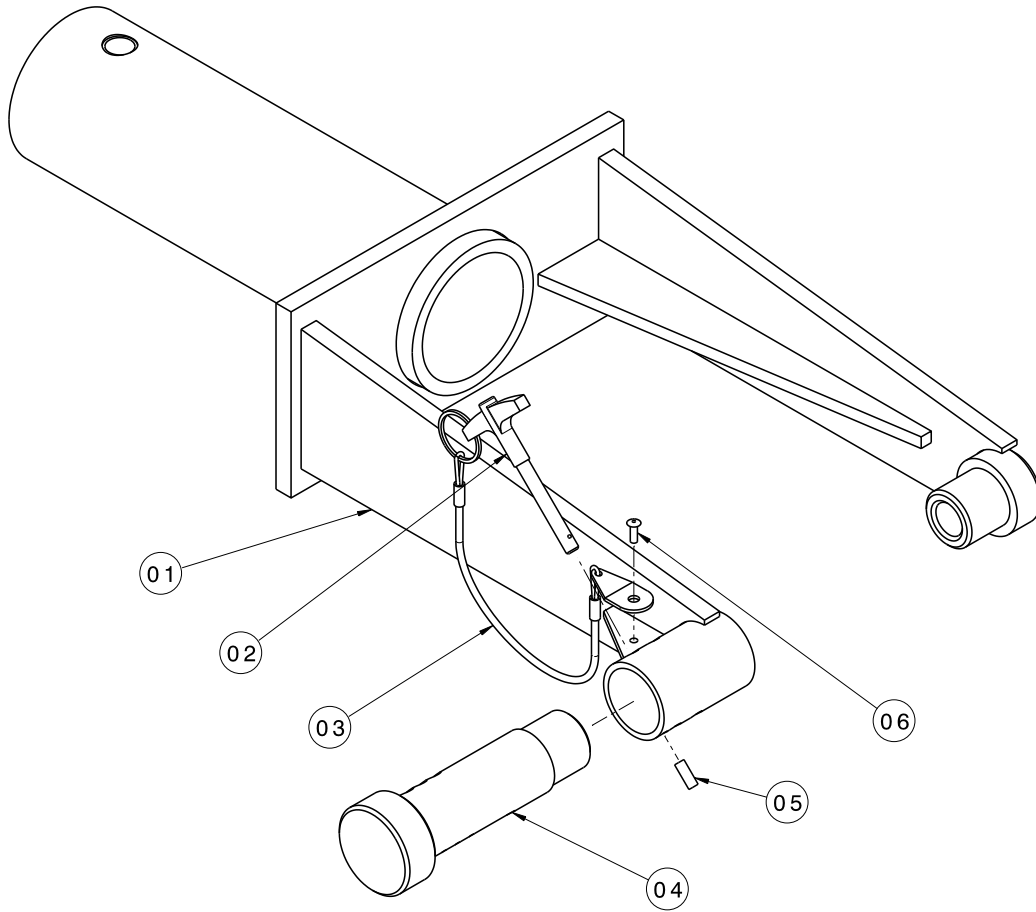
- a) Product Model Number
- b) Product Serial Number
- c) Description of the problem

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	<i>Not Sold Separately</i>	HEAD WELDMENT	1
4	R-2111	SLIDING PIN	1
5	G-1300-19040	ROLL PIN, 3/16" DIAMETER X 1/2" LONG	1
	<b>K-1308</b>	<b>KIT, BALL LOK-T PIN REPLACEMENT; consists of:</b>	
2	G-1310-0415	BALL LOK-T PIN, 1/4" DIAMETER X 1 1/2" LONG	1
3	H-1026*07.0	LANYARD ASSEMBLY	1
6	G-1351-04	RIVET, 1/8 OPEN-END STEEL	1





## **APPENDIX I**

### **Declaration of Conformity**





## DECLARATION of CONFORMITY

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

Multi-Head Towbar  
01-0506-0000

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

Relevant standards complied with by the machinery:  
EN ISO 12100-1

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

A handwritten signature in cursive script that reads "Patrick Finch". The signature is written in black ink and is positioned above a horizontal line.

Quality Assurance Representative



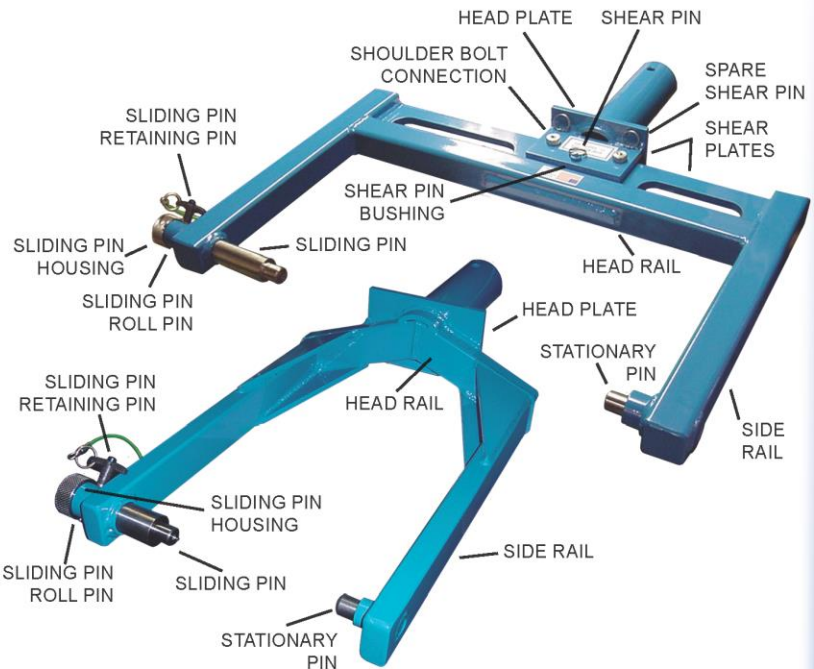
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## Maintenance Schedule

### Standard Attachment Heads

**Models:**

01-0506-0000, 01-0507-0000, 01-0508-0000,  
 01-0511-0000, 01-0513-0000, 01-0514-0000,  
 01-0516-0000, 01-0518-0000, 01-0518-0010,  
 01-0524-0000, 01-0525-0000, 01-0529-0000,  
 01-0531-0000, 01-0532-0000, 01-0534-0000,  
 01-0538-0000, 01-0540-0000, 01-0540-0010,  
 01-0542-0000, 01-0542-0010, 01-0543-0000,  
 01-0545-0000, 01-0545-0010, 01-0545-0011,  
 01-0546-0000, 01-0547-0000, 01-0551-0000,  
 01-0551-0010, 01-0552-0000, 01-0552-0010,  
 01-0552-0011, 01-0556-0000, 01-0569-0000,  
 01-0570-0000, 01-0570-0010, 01-0571-0000,  
 01-0571-0010, 01-0571-0011, 01-0577-0000,  
 01-0577-0010, 01-0579-0000, 01-0581-0000,  
 01-0582-0000, 01-0582-0010, 01-0582-0000,  
 01-0582-0011, 01-0597-0000, 01-0598-0000,  
 01-0599-0000, 01-0801-0000, 01-0801-0010,  
 01-0802-0000, 01-0802-0010, 01-0803-0000,  
 01-0600-0000, 01-0608-0000



**Tronair recommends towbar inspections at least once a week.**

- Inspect for weld cracks. If found remove the towbar multi-head from service and contact Tronair for repair.
- Inspect the side rails, head rail, and head plate for bending. If found remove the towbar multi-head from service and contact Tronair for repair.
- For towbar multi-heads with shear, inspect the shear plates for bending. If found remove the towbar multi-head from service and contact Tronair for repair.
- Inspect the sliding pin(s) and (if applicable) the stationary pin for bending, cracks, and excessive wear. If found remove the towbar multi-head from service and contact Tronair or your Tronair distributor for replacement.
- Ensure the sliding pin(s) can move freely within its housing. If any binding occurs, inspect the sliding pin for bending and the housing for out-of-roundness. If either condition exists, contact Tronair for repair options.
- Inspect the sliding pin retaining pin assembly. Ensure the retaining pin is not missing. Ensure the retaining pin can engage the sliding pin through its housing and that it positively locks the sliding pin into place. If it does not, contact Tronair or your Tronair distributor for replacement/repair.
- Verify the sliding pin is secure to the towbar multi-head via its lanyard. Replace the lanyard if missing.
- Inspect the sliding pin roll pin (located through the sliding pin housing). Ensure the sliding pin roll pin is not loose or missing, contact Tronair or your Tronair distributor for replacement if needed.
- For towbar multi-heads with shear, check the shoulder bolt connections through the shear plates. Verify they are not clamping the shear plates together. There should not be any clamping force applied to the shear plates so the assembly functions properly. If required, back the stopnut off to remove any clamping force applied.
- For towbar multi-heads with shear, inspect the shear pin. If the shear pin is bent, broken, or missing contact Tronair or your Tronair distributor for replacement. Tronair recommends purchasing spare shear pins for rapid replacement, use only Tronair specified shear pins.
- For towbar multi-heads with shear, inspect the shear pin bushings. If the shear pin bushings are cracked or chipped, contact Tronair or your Tronair distributor for replacement, use only Tronair specified shear pin bushings.
- Inspect all steel components for signs of rust. Touch up with paint as required.

INS-1789

[www.tronair.com](http://www.tronair.com)

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