



## INSTALLATION INSTRUCTIONS

Thank you for purchasing ACI™ Economical Electric Tarp Conversion. Agri-Cover, Inc. proudly manufactured this tarp conversion using superior quality materials and workmanship. With proper care, your tarp system will provide years of service.

**NOTICE TO INSTALLER:** Even if familiar with product, read instructions prior to installation as improvements may be made without notice. Always handle components with care. If you have questions or problems, have serial number ready and call customer service. When done, these instructions must be given to the consumer.

**NOTICE TO CONSUMER:** Before using this product read operating, maintenance and safety sections. Save these instructions for future reference.

### FOR YOUR RECORDS

DATE PURCHASED: \_\_\_\_\_

WHERE PURCHASED: \_\_\_\_\_

MOTOR SERIAL NUMBER: \_\_\_\_\_

(Located on motor and gearbox)



Questions? (800) 233-4655  
agricover.com

# PREPARATION

- Prior to tarp system assembly, park truck or trailer on level ground.
- Box must be square and straight, center must not be pulled together or spread apart.
- Before beginning, measure outer length and width of your box. Also measure length of tarp and width of the end caps to ensure you received the correct size.
- Remove or grind smooth any sharp edges or points contacting tarp and/or cables.
- Remove or reposition any interferences with tarp. If modifications to box are needed, consult box manufacturer.
- It may be necessary to use washers and nuts or other types of fasteners (not furnished) to ensure a solid anchor.
- Ensure box extension is secure by bolting in place on top of your box.

## TOOLS NEEDED

- Protective eyewear
- Marking pencil
- Step ladders or scaffolding
- Drill with 5/16" and 3/8" bits
- Tape measure
- Impact wrench with 9/16" socket
- Wrenches: (2) 1/2", (2) 9/16" and 3/4"
- Cutting tool

**NOTE:** Hardware appearance and components may vary.

**▲ CAUTION:** Before drilling, ensure there are no hidden wires or gussets in line with holes to be drilled.

### STAINLESS STEEL HARDWARE ONLY

**▲ CAUTION:** To avoid galling of stainless steel hardware, use anti-galling spray, grease or lubricant on threads and avoid high speed when fastening. Do not use impact tools for stainless steel hardware.

**3/8" x 1" non-stainless steel self-threading bolts:** Use to cut threads into 5/16" holes. Drill 5/16" hole. Turn 3/8" x 1" self-threading bolt in hole to cut threads, then turn back out.

# SAFETY INFORMATION

**▲ DANGER: Mounting replacement tarp to a structurally weak or damaged roll tube can result in serious injury or death.**

Before installing replacement tarp, inspect mounting surface of roll tube. Be aware several mounting holes in close proximity may compromise roll tube strength and integrity. Ensure mounting location on roll tube provides adequate tarp support.

- Disconnect power before servicing tarp system or electrical components.
- Always use caution when operating tarp system.
- Ensure people and objects are clear of tarp system before and during operation.
- Instruct everyone who will operate tarp system on the proper procedures.
- Never allow children to operate or play with tarp system.
- Do not operate tarp system with box hoisted in elevated position.
- Ensure tarp system is fully open or fully closed before operating vehicle at highway speeds.
- Only operate tarp system when tarp is completely visible.
- Always refer to OEM documentation before installing electrical components.
- Do not use arm as a step.
- Remove snow or debris from top of tarp system before operating.
- End caps must be free from commodity. Commodity should not be piled higher than end caps.
- Do not directly spray electric motor or connections with a pressure washer.
- Ensure tarp system is fully open before unloading or loading.

**NOTE:** Safety and operating procedure decals provided with this kit should be kept clean at all times and replaced if worn, damaged, painted over or unreadable.

# 1: MOUNTING LOWER PIVOT ARM

**NOTE:** For stainless steel see page 2 for bolting procedures.

A. At front of trailer, align center point of standoff with centerline of box. Measure down about 36" from top of end cap and mark holes.

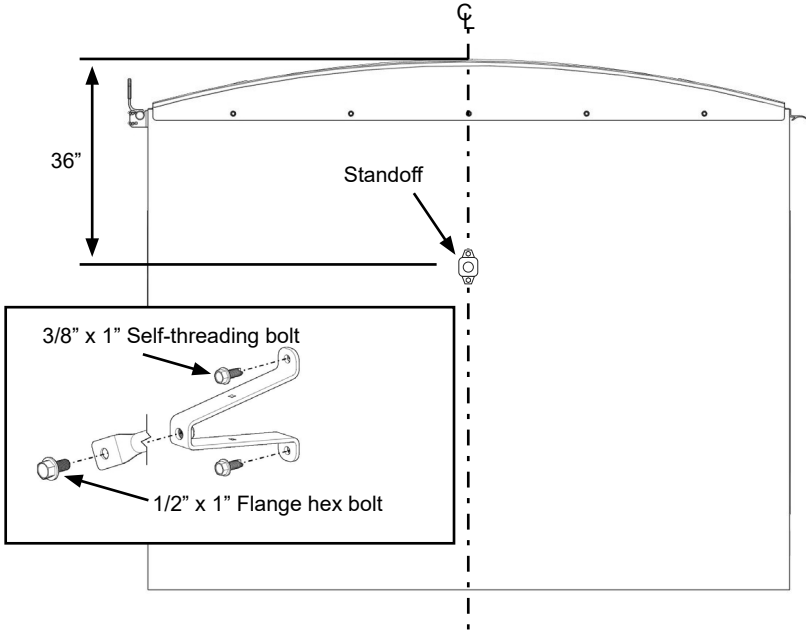
**NOTE:** Standoff can be mounted higher or at rear of box. If mounting standoff higher, top pivot arm must be cut shorter. **DO NOT CUT SHORTER THAN 10"**.

**IMPORTANT:** Before drilling, ensure arm has a clear path to operate.

B. Drill (2) 5/16" holes through box wall. Use (2) 3/8" x 1" self-threading bolts to secure standoff.

C. Using 1/2" x 1" flange hex bolt, secure lower pivot arm to standoff. Ensure bolt is loose enough for arm to pivot freely.

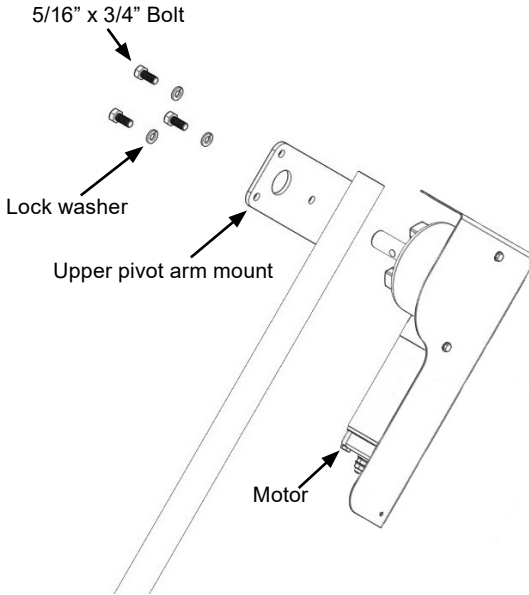
D. Tap nylon plug into top of lower pivot arm.



## 2: ATTACHING MOTOR TO PIVOT ARM

**NOTE:** For stainless steel see page 2 for bolting procedures.

A. Secure motor to upper pivot arm mount with (3) 5/16" x 3/4" bolts and lock washers.

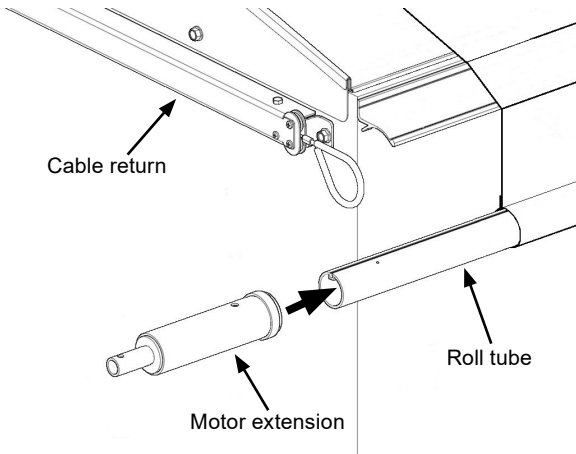


## 3: ATTACHING MOTOR EXTENSION

A. Refer to included instructions for installing cable return, then proceed to Step 3B.

B. Slide motor extension onto roll tube.

**NOTE:** If needed, grind off metal burr to allow extension to slide on smoothly.



## 4: ATTACHING MOTOR TO ROLL TUBE

A. Slide cable return loop over motor extension.

B. Slide upper pivot arm with motor over top of lower pivot arm. Insert drive shaft into motor extension. Turn roll tube by hand until holes align, then insert clevis pin and cotter pin.

C. Square pivot arm with roll tube by adjusting motor and roll tube forward or backward as needed.

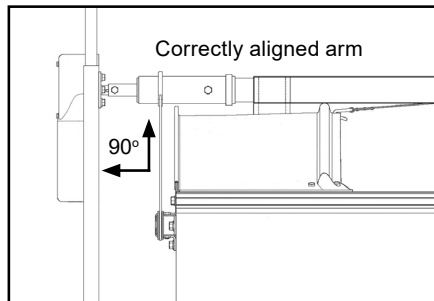
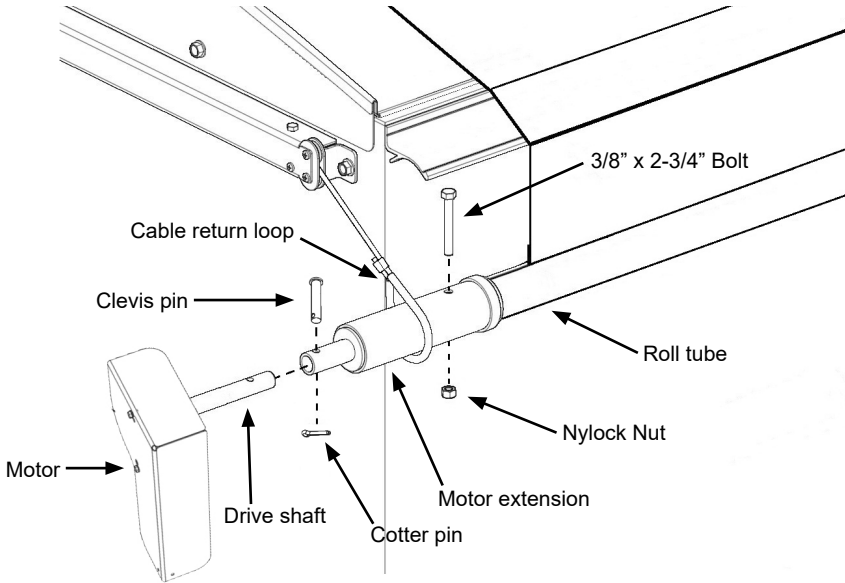
**NOTE:** If not installed square, motor will bind and wobble during operation.

**IMPORTANT:** Ensure path of motor and arm is free of obstructions.

D. Use motor extension as guide to drill  $3/8$ " hole in roll tube. Then secure with  $3/8$ " x  $2-3/4$ " bolt and nylock nut.

**Tip:** Periodically grease drive shaft and motor extension.

**NOTE:** If lower pivot arm extends past top of motor in closed position, trim off excess. Then reinsert nylon plug into top of lower pivot arm.



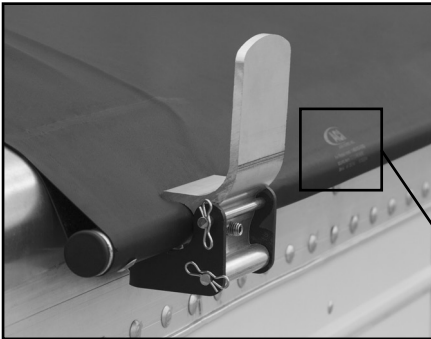
## 5: ELECTRICAL

- A. Locate and clean suitable locations to apply caution and important stickers.
- B. Refer to included instructions to complete wiring.

## INSPECTION AND MAINTENANCE

Periodic preventive maintenance should be practiced:

- Inspect tarp and hardware for abrasions or loosened bolts that may need adjustment. Adjust tension when needed. Tarp must be kept to a recommended tension setting equally on both ends, or excessive tarp wear may occur.
- Tarp should always operate as well as when first installed. Make all appropriate repairs or adjustments immediately before serious damage occurs.
- Check the tightness of mounting bolts and electrical connections, remove any dirt or corrosion that may have accumulated on the electrical connections.
- Always use genuine Agri-Cover, Inc. replacement parts, use serial number to easily order replacement tarp.



Serial number is located at rear  
of tarp on stationary tube side



# MANUFACTURER'S LIMITED WARRANTY

Agri-Cover, Inc. extends the following Limited Warranty on its AGRI-COVER™ Economical Tarp Conversion:

Agri-Cover, Inc. warrants its AGRI-COVER™ Economical Tarp Conversion to be free from defects in material and workmanship under normal use for one (1) year from date of manufacture unless accompanied by proof of purchase. The one (1) year warranty start date can be found on the unit (motor and gearbox). Check both and refer to the oldest date shown. This Limited Warranty does not cover any failure due to abuse, misuse, alteration, neglect, improper assembly or installation, or improper maintenance.

ANY IMPLIED WARRANTY APPLICABLE TO THE AGRI-COVER™ ECONOMICAL TARP CONVERSION IS LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF MANUFACTURE UNLESS ACCOMPANIED BY PROOF OF PURCHASE. Agri-Cover Inc.'s sole obligation under this Limited Warranty or any implied warranty is limited to the repair or replacement at its option, of defective parts only. No labor or service allowance is given or implied. IN NO EVENT SHALL AGRI-COVER, INC. BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES. EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY, AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE LIMITED WARRANTY DESCRIPTION CONTAINED HEREIN.

For warranty, have serial number ready and fill out the warranty claim form at [agricover.com/warrantyclaim](http://agricover.com/warrantyclaim) or call Customer Service Department at 800-233-4655 to determine if only a replacement part is needed or if the tarp needs to be returned for inspection and repair. Goods to be returned must have a pre-authorized RA # (Return Authorization Number) – obtained by calling the number above. Mark the number on the package and ship it freight prepaid to address below. Agri-Cover will pay freight to return goods to sender.

This Limited Warranty gives you specific legal rights and you may have other rights, which vary, from state to state.

For replacement parts shop at [agricoverparts.com](http://agricoverparts.com) or call Customer Service at 800-233-4655.



Agri-Cover, Inc.  
Customer Service Dept  
3000 Hwy 281 SE  
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Phone: 800-233-4655

**Hours: 8:00 am - 5:00 pm CST Monday through Friday, except Holidays**