

## TELESCOPING ARM INSTRUCTIONS

Use these instructions to install a telescoping arm. Read and follow these instructions along with the standard instructions carefully before installing or using ROLTEC® Electric Tarp Conversion.

**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 section. Save these instructions for future reference.

# PREPARATION

Unpack telescoping arm components at rear of trailer and clean mounting location.

## COMPONENTS

- Mounting plate with hardware
- Pivot mount and slant bracket with hardware
- Telescoping arm with hardware
- (2) Collars
- (2) Tube wear bearings
- (2) #14 x 1" Self-drilling screws

## TOOLS NEEDED

- 1/2" and 9/16" Wrenches
- 1/2" and 9/16" Sockets
- Drill with 5/16" bit
- Metal cutting tool
- #3 Phillips driver bit
- Protective eyewear
- Marking pen
- Tape measure
- Ladder

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

### 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.

A. Turn 3/8" x 1" non-stainless steel self-threading bolt in 5/16" hole to cut threads, then turn back out.

B. Turn 3/8" x 1" stainless steel bolt in for attachment. When possible, use stainless steel nuts and washers with these bolts.

# 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 instructions 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 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.

# REMOVING REAR RETURN SYSTEM

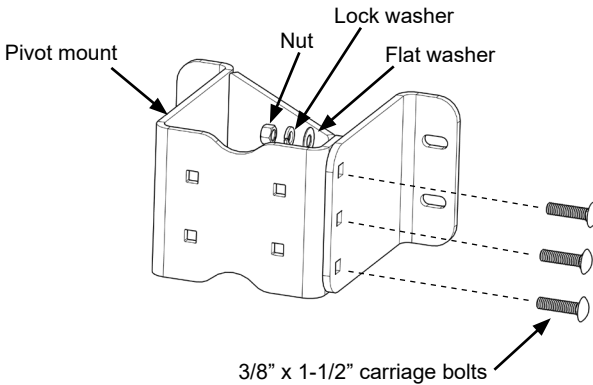
**▲ WARNING:** When removing return system under pressure, always use caution and assistance from another person. Before attempting to remove return system, always move arm to position with least amount of tension.

- A. Move tarp to position with least amount of tension on return system.
- B. Uninstall current return system connected to rear of trailer.

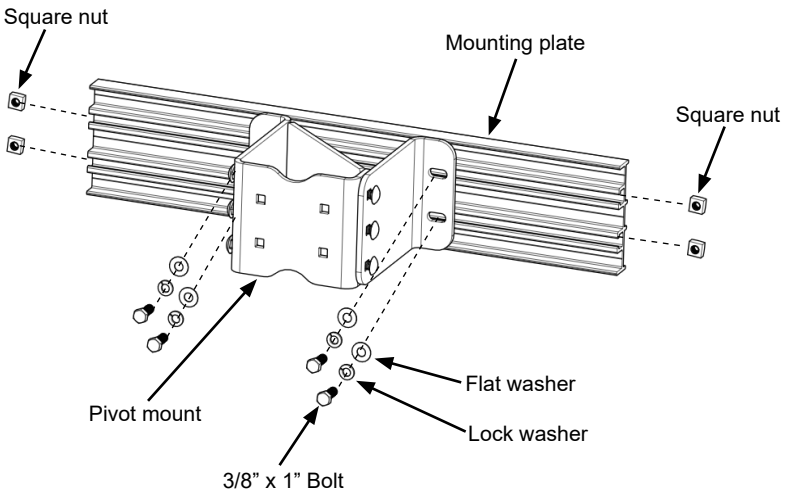
## 1: PREPARING MOUNTING ASSEMBLY

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

- A. Secure both halves of pivot mount with (3) 3/8" x 1-1/2" stainless steel carriage bolts, flat washers, lock washers and nuts.



- B. Slide (4) stainless steel square nuts into channels in mounting plate. Secure pivot mount to mounting plate using (4) 3/8" x 1" stainless steel bolts, lock washers and flat washers threaded into square nuts in channel. Center pivot mount on mounting plate and finger tighten all hardware.



## 2: INSTALL MOUNTING ASSEMBLY

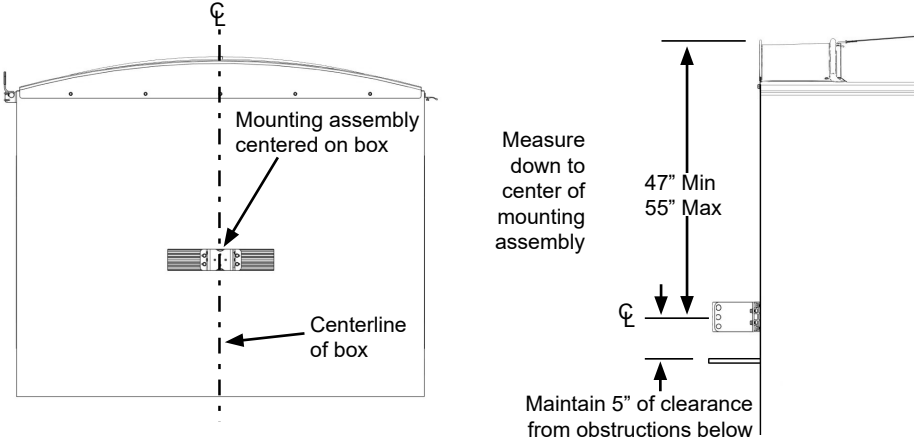
A. At rear of trailer, align center point of mounting assembly with centerline of box. Measure down 47" to 55" from top of end cap and mark holes in top and bottom groove.

**NOTE:** Mounting assembly can be located higher, though arm may lift tarp off box during operation.

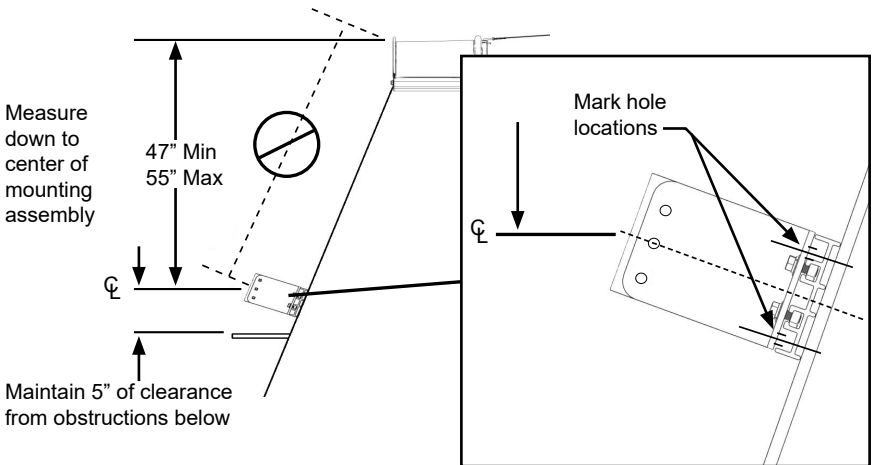
**NOTE:** Attach mounting assembly to support braces whenever possible.

**NOTE:** Maintain 5" of clearance from obstructions below pivot mount.

### VERTICAL WALL BOX



### SLANT WALL BOX



## 2: INSTALL MOUNTING ASSEMBLY (Continued)

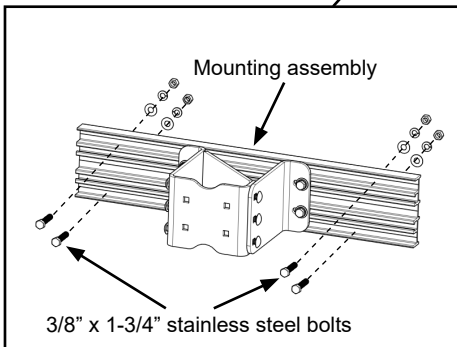
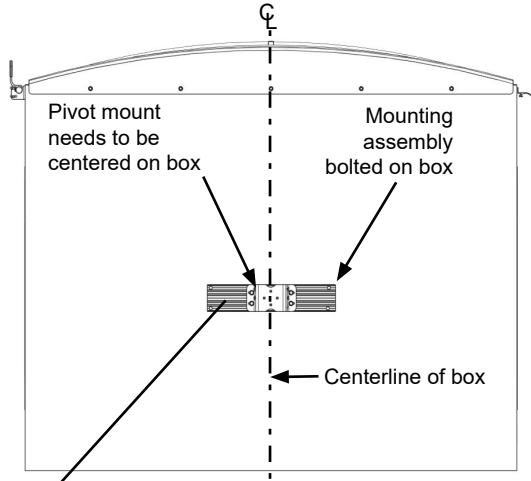
**IMPORTANT:** Before drilling any holes, ensure arm has a clear path to operate.

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

B. Drill (4) 5/16" holes at marked locations. Attach mounting assembly to box wall by turning 3/8" x 1" self-threading bolt to cut threads, then turn back out. Secure using (4) 3/8" x 1-3/4" stainless steel bolts, flat washers, lock washers and nuts.

**NOTE:** Bolt locations may vary based on trailer support braces.

C. Ensure pivot mount is centered on box, then tighten all hardware.



# 3: BOLTING PIVOT ARM TO PIVOT MOUNT

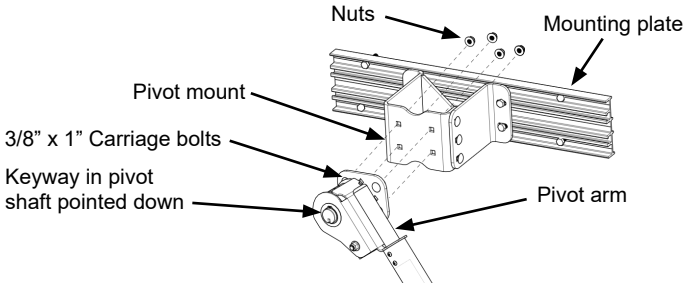
Perform one of the following to mount pivot arm:

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

## VERTICAL WALL BOX

A. Bolt pivot arm to pivot mount using (4) 3/8" x 1" carriage bolts and nuts. Ensure keyway in pivot shaft is pointed down.

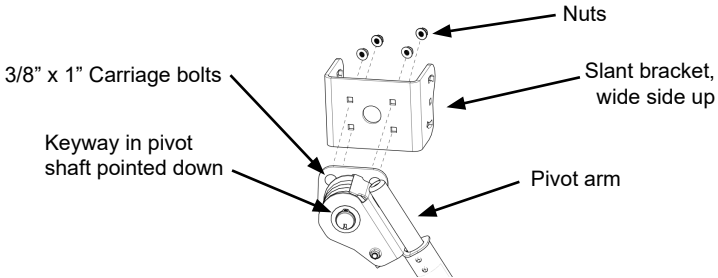
**NOTE:** Carriage bolts may be installed from back side of pivot mount if needed.



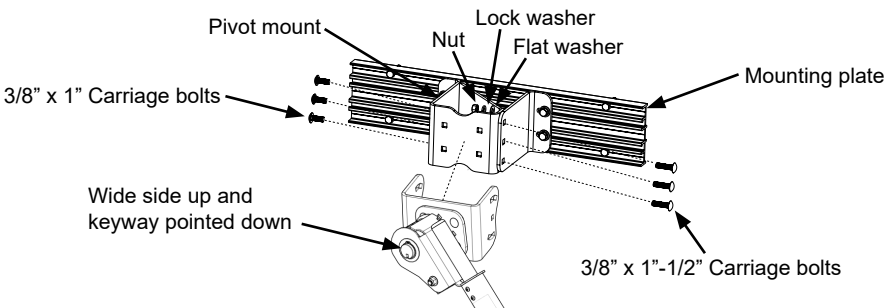
## SLANT WALL BOX

A. Bolt pivot arm to slant bracket (wide side up) using (4) 3/8" x 1" carriage bolts and nuts. Ensure keyway in pivot shaft is pointed down and slant bracket has wide side up.

**NOTE:** Carriage bolts may be installed from back side of pivot mount if needed.



B. Bolt pivot arm with slant bracket to pivot mount using (3) 3/8" x 1" stainless steel carriage bolts, flat washers, lock washers and nuts and (3) 3/8" x 1-1/2" stainless steel carriage bolts, flat washers, lock washers and nuts. Leave bolts loose for now.

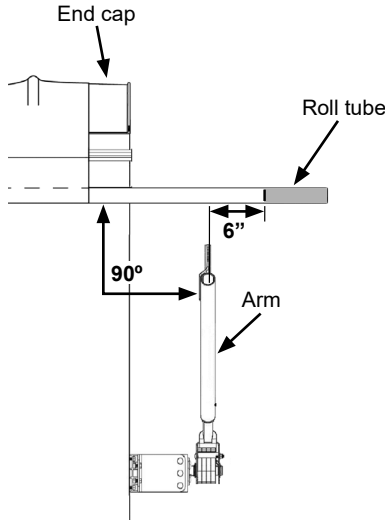


## 4: TRIMMING ROLL TUBE

**▲ WARNING:** Arm is under pressure. Requires two people for safe installation.

### VERTICAL WALL BOX

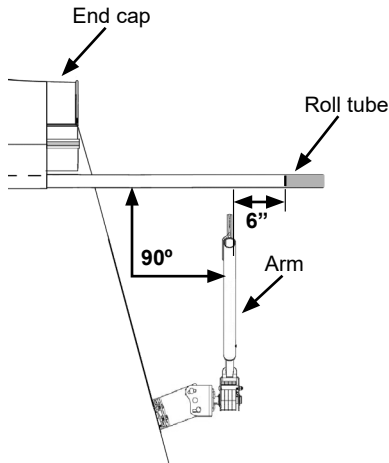
A. Raise rear spring arm up at 90 degrees in vertical plane to tube, enough to accurately mark roll tube straight above it. Then measure 6" back from mark and make second mark. Cut off excess roll tube on second mark.



### SLANT WALL BOX

A. Raise rear spring arm up at 90 degrees in vertical plane to tube, enough to accurately mark roll tube straight above it. Then measure 6" back from mark and make second mark. Cut off excess roll tube on second mark.

B. Tighten bolts and nuts from Step 3B.



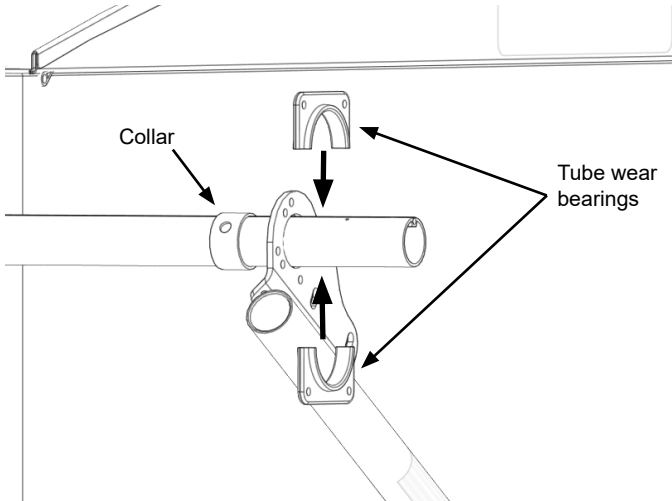


## 5: SECURING REAR ARM

Perform one of the following to install arm:

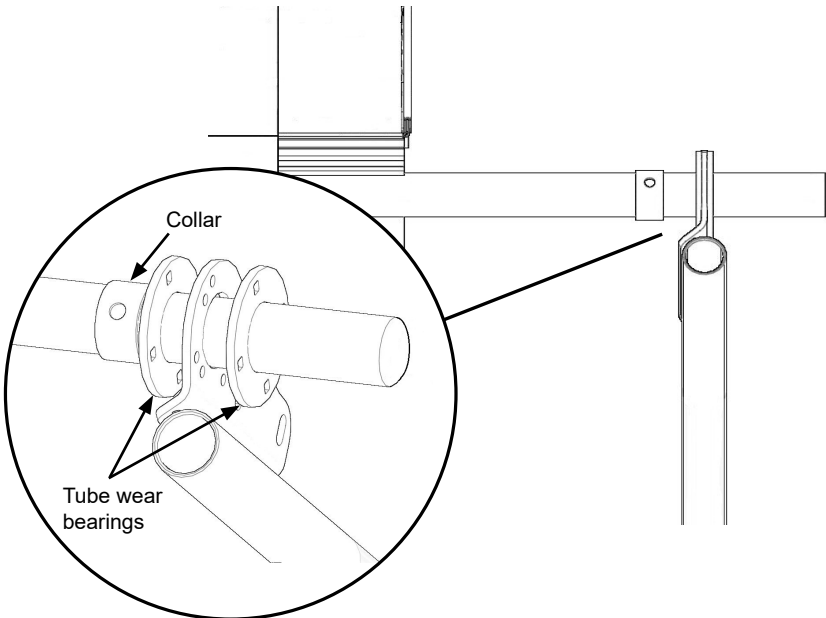
### 3" ALUMINUM ROLL TUBE

A. Slide inside collar onto roll tube. Raise arm and slide onto roll tube. Place (2) tube wear bearings onto outside of arm.



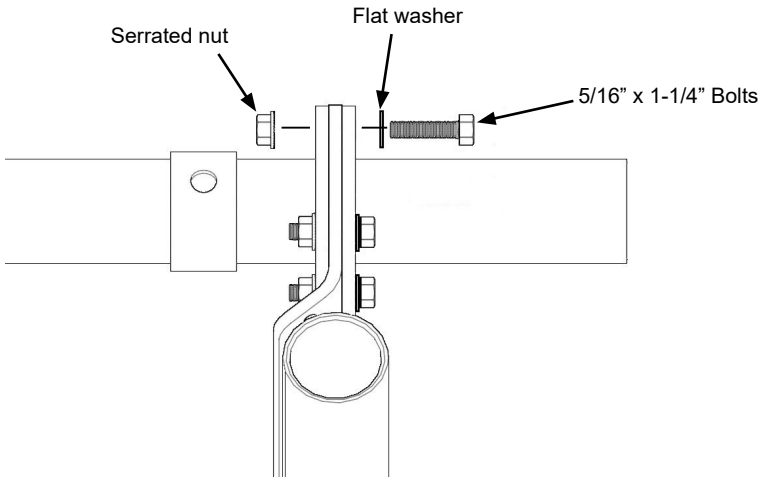
### 2" ALUMINUM AND STEEL ROLL TUBE

A. Slide inside collar and inside tube wear bearing onto roll tube. Raise arm and slide onto roll tube. Slide another tube wear bearing onto outside of arm.



## 5: SECURING REAR ARM (Continued)

B. Assemble tube wear bearings to arm flange with (4) 5/16" x 1-1/4" bolts, flat washers and serrated nuts. Turn nuts tight, do not over tighten.

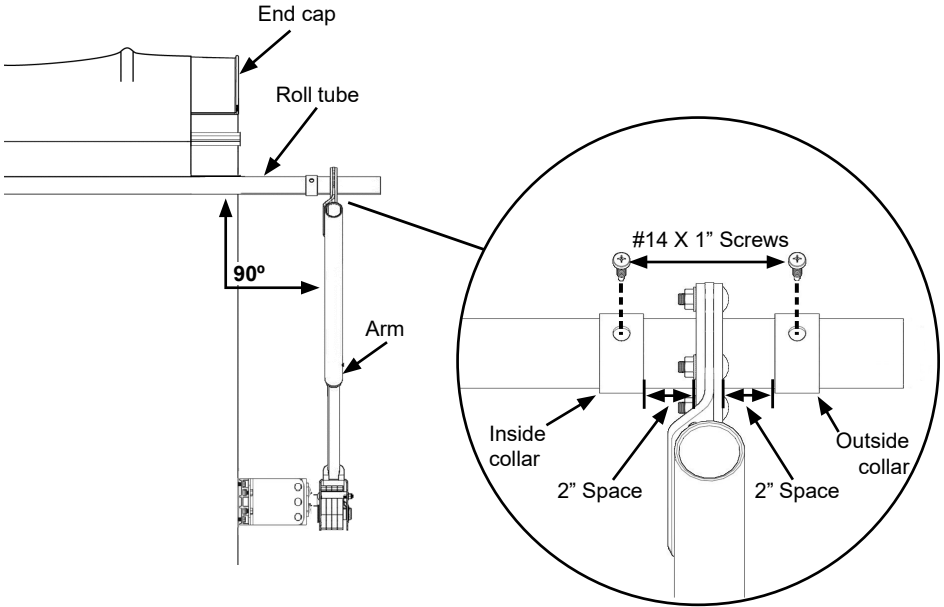


# 6: SQUARING REAR ARM

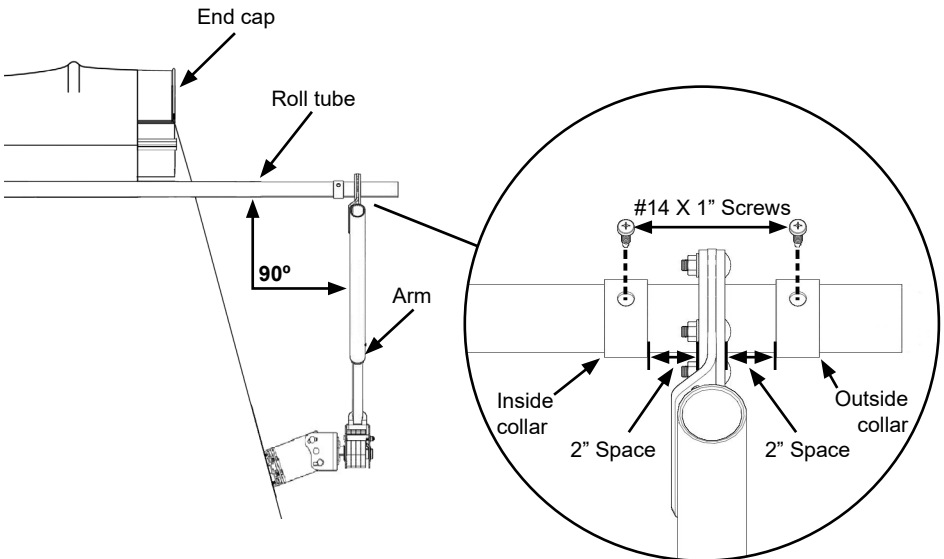
A. Align arm with vertical plane 90 degrees to roll tube and hold in place. Position outside and inside collars 2" from tube wear bearing.

B. Secure collars with #14 x 1" self-drilling Phillips screws.

## VERTICAL WALL BOX



## SLANT WALL BOX



# 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.



Agri-Cover, Inc.  
Customer Service Dept  
3000 Hwy 281 SE  
Jamestown, ND 58401  
Phone: 800-233-4655

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