AGRI-COVER™
COMMAND-10® REMOTE

Installation Manual

COMMAND-10® REMOTE AND COMMAND STATION

FOR New Electric Kit and Remote Control Installation

Use these in place of the rocker switch and solenoid section of instructions in your roll tarp owner's manual.

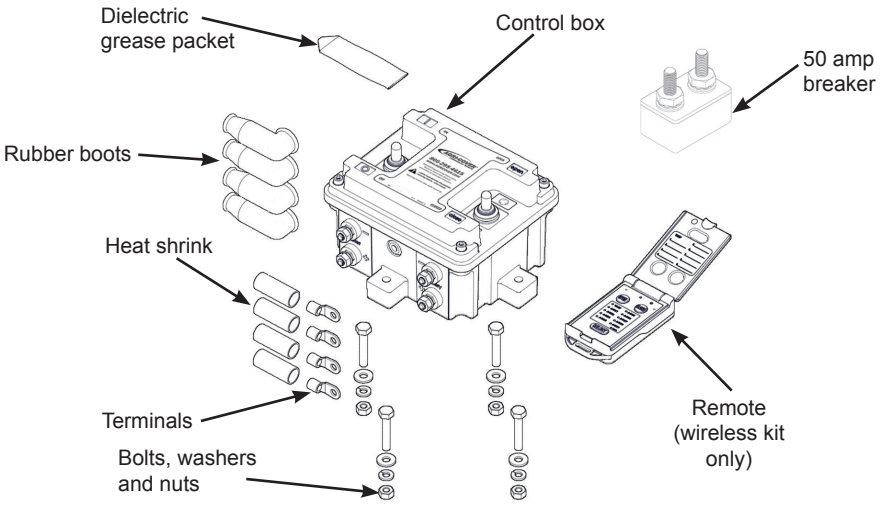
Use these for installation of remote for ROLTEC™ Electric Hopper Conversions.

IMPORTANT!

READ AND UNDERSTAND THESE INSTRUCTIONS, WITH REMOTE KIT FOR SAFETY, INSTALLATION, DANGER, OPERATION, MAINTENANCE AND PROGRAMMING FOR YOUR REMOTE CONTROL PRODUCT. SAVE ALL INSTRUCTIONS WITH YOUR ROLL TARP OWNERS MANUAL FOR FUTURE REFERENCE.

PART DIAGRAM

Parts included: The diagram shows only parts that are included in the COMMAND-10® electric kit. All other parts shown in the following instructions would be found in a new electric kit or would be already installed on an existing electric system.



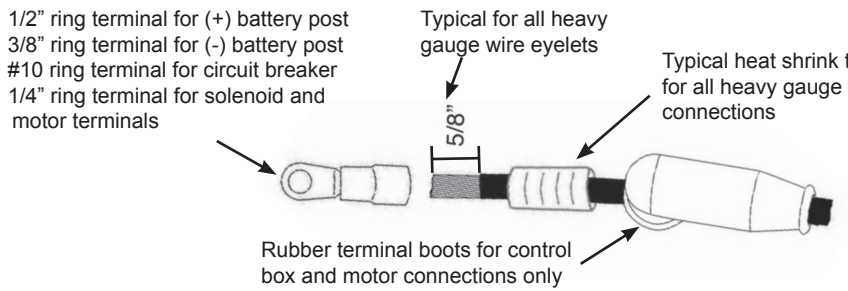
WIRING INSTRUCTIONS

1. ROUTING HEAVY GAUGE WIRE

Note: There is ample heavy gauge wire supplied with each kit for standard installs. Before cutting wire, always preplan wire routing and make necessary adjustments as needed.

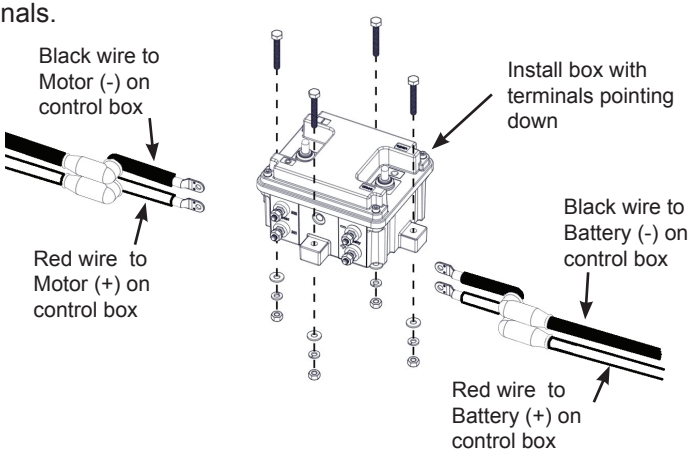
Note: Use dielectric grease (packet included) at all electrical connections throughout installation.

Route heavy gauge wire from battery to tarp motor. Allow ample wire where cutting and mounting connections take place. See Figure 1, box with hoist and Figure 2, semi-trailer box, on page 4. Prepare wire ends for terminals, heat shrink tubes and rubber boots.



2. MOUNTING RECEIVER

Mount receiver to a rigid location at least 4 feet away from motor and other danger. With terminals pointed down, use control box as template to mark hole drilling locations. Use bolts, nuts and washers to finish mounting. Attach heavy gauge wires to terminals on control box as shown. Slide rubber boots over terminals.



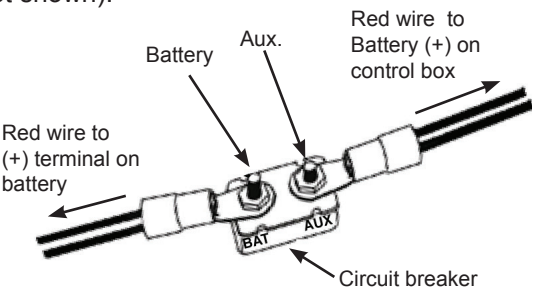
3. CAUTION/OPERATING DECAL

When on new tarp install, attach tarp caution/operating decal to front driver side corner of truck box.

4. INSTALLING CIRCUIT BREAKER

Attach red heavy gauge wire to circuit breaker as shown near positive post on battery. Remember to seal with heat shrink first and slip wires through rubber circuit breaker cover (not shown).

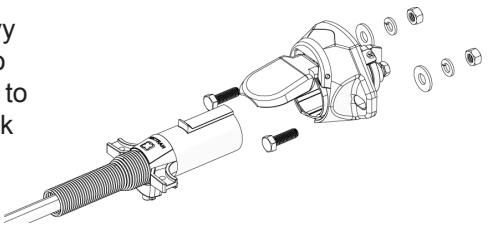
IMPORTANT: Make sure system has a 50 Amp modified reset circuit breaker installed as shown. Operating system without circuit breaker voids warranty.



NOTE: If kit came pre-wired with 40 Amp breaker, remove it and use 50 Amp breaker supplied loose in COMMAND-10® kit.

5. WIRING TO HEAVY DUTY CONNECTOR

For TRAILER UNITS with heavy duty connector use terminals to attach wire to socket. Red wire to (+) terminal on socket and black wire to (-) terminal on socket.



6. MOTOR TERMINAL CONNECTIONS

Attach BLACK wire to terminal 1 on motor. Attach RED wire to terminal 2. Always hold base nut while tightening top nut. Torque to 42 in-lbs.

7. CONNECTING WIRES TO BATTERY

Double check all wire connections. Make sure all wires are connected to proper terminals at all connection points. Now connect red striped wire to battery (+) post and then black wire to battery (-) post. Check operation of system. If system operates in reverse, switch motor wires under control box and retest.

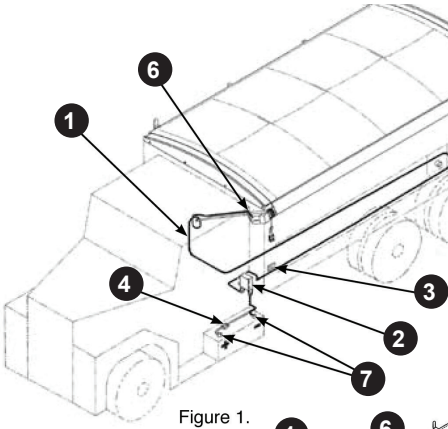


Figure 1.

See Wiring Schematic on Page 5

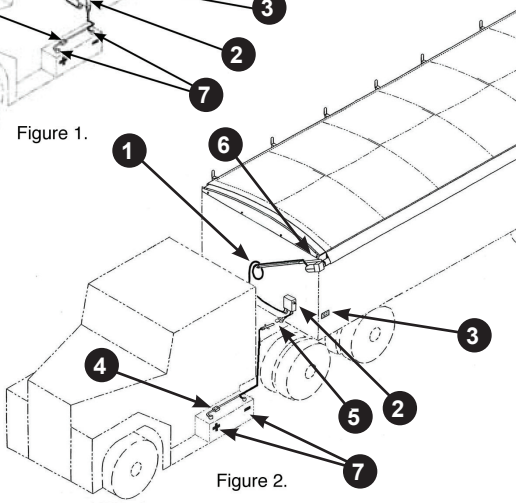
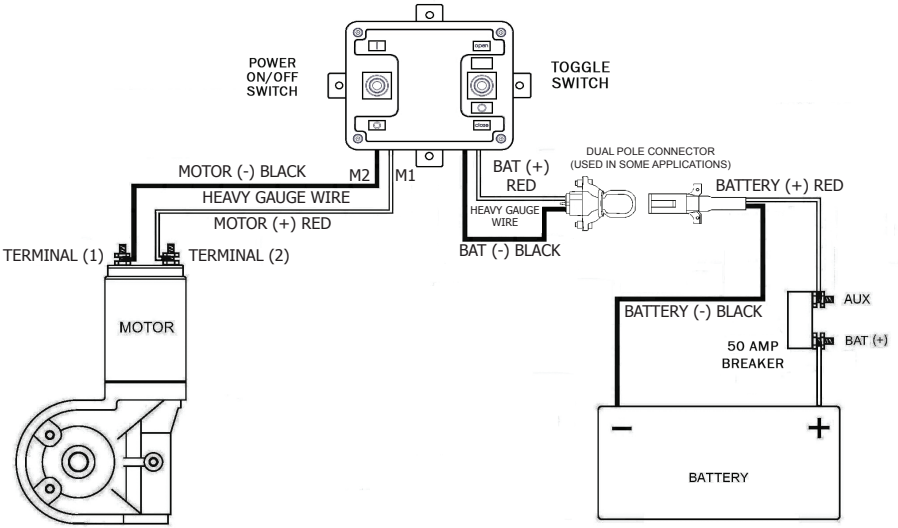


Figure 2.

NOTE: Numbers indicate steps where items were installed.

WIRE SCHEMATIC



Note: Use dielectric grease (packet included) at all electrical connections.

WIRE SCHEMATIC

NOTE: This electric system requires a 50 Amp modified reset circuit breaker. If breaker trips and does not reset, it may have detected a continuous short and will not reset until short is repaired. Disconnect battery and repair short. The receiver is also fitted with an internal breaker designed to trip first. If this breaker trips, the system will not perform the same direction until the system has been reversed.

If installing this electric system on an existing unit, make sure there is a circuit breaker installed and that it is operating properly. If breaker is missing or malfunctioning, replace it with a correct new one (50 Amp modified reset circuit breaker). **IMPORTANT: Operating system without a circuit breaker voids warranty.**

OPERATING INSTRUCTIONS RECEIVER ONLY

Learning How to Use and Operate Your AGRI-COVER™ COMMAND-10® Electric Kit

Introduction

This electric kit provides toggle switch control. The receiver is simple to use and provides convenient reliable operation and is suitable for a wide variety of applications.

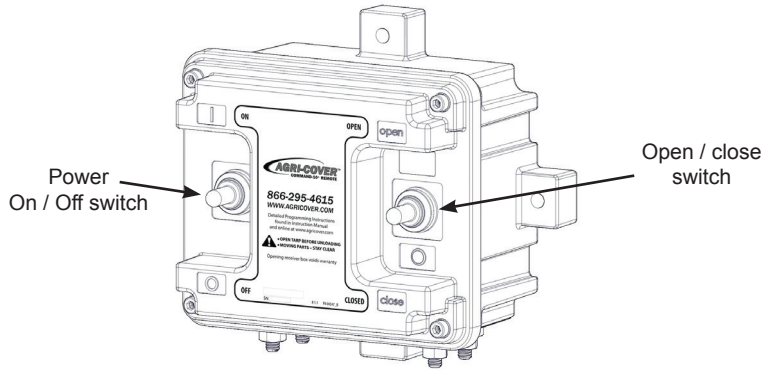
Safety Instructions

Do not install or use this product before you read and understand these instructions and the information contained in them. Only allow persons who know and understand the safety rules to use this remote control.

1. Never allow children to operate or play around with remote system.
2. The tarp should only be operated when operator has clear visibility of the entire tarp.
3. Lock-out the electric system when you are not operating the system to avoid unintended operation.
4. Disconnect power from the motor before servicing system.
5. Avoid direct pressure washer spray to electric motor and electrical connections.

Open and Close Tarp

Turn receiver **ON** with power switch, with system on:
Hold OPEN/CLOSE switch to **OPEN** position to roll tarp open.
Hold OPEN/CLOSE switch to **CLOSED** position to roll tarp closed.



Receiver

Instructions beyond this point for COMMAND–10® Remote

OPERATING INSTRUCTIONS REMOTE ONLY

Learning How to Use and Operate Your AGRI-COVER™ COMMAND-10® Remote

Introduction

This controller provides push-button control. The remote is simple to use and provides convenient, reliable operation and is suitable for a wide variety of applications.

Safety Instructions

Do not install or use this product before you read and understand these instructions and the information contained in them. Only allow persons who know and understand the safety rules to use this remote control.

1. Never allow children to operate or play around with remote system.
2. The tarp should only be operated when operator has clear visibility of the entire tarp.
3. Lock-out the remote when you are not operating the system to avoid unintended operation.
4. Disconnect power from the motor before servicing system.

Pre-Programmed Mode for Wireless Systems Only

1. UNLOCK AND LOCK REMOTE

Your electric system can be operated wirelessly by the Remote. The Remote is designed to provide safe and easy operation of the system and features an auto-lock mode to help prevent unintended operation.

The Remote will unlock automatically when lid is opened. Pre-programmed Remote indicator light will slow flash green and the last channel used will be a steady red light. To lock Remote close Lid. The Remote will turn itself off if the lid is left open without any activity for 3 minutes.

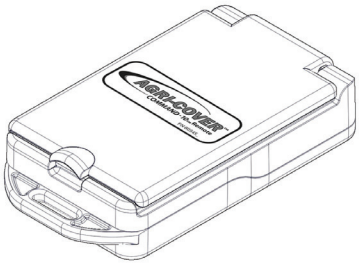


Figure 3 – Remote Locked

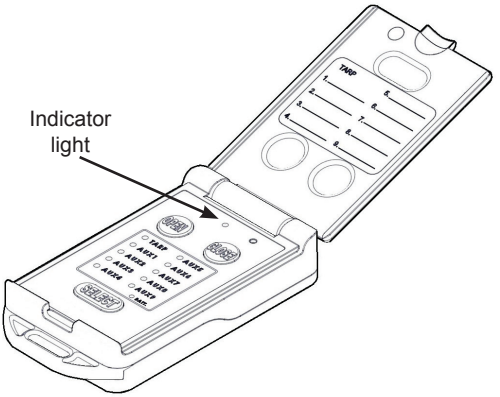


Figure 4 – Remote Unlocked

2. OPEN AND CLOSE TARP

Your system has been pre-programmed to operate the tarp in Mode 1 which is indicated by the word **"TARP"** on the remote.
Press and hold the **"OPEN"** button to roll tarp open.
Press and hold the **"CLOSED"** button to roll tarp closed.

Note: Once installation is completed, always verify your systems operation before putting it to use to ensure that:

1. **The remote's selected mode operates the intended motor.**
2. **When pushing the OPEN or CLOSED button, it performs the intended function.**

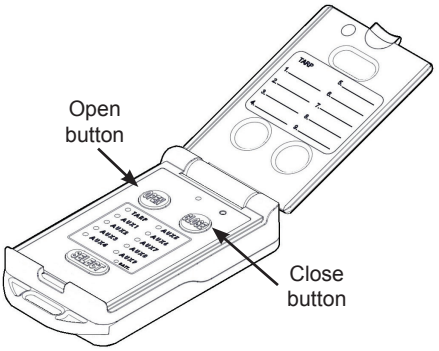


Figure 5 – Operating Remote

Programming a Remote Control to a Receiver

Your Remote and Receiver will come pre-programmed to each other. If they are not, follow the procedure below.

1. CLEAR RECEIVER

Power on receiver. Press and hold the **Programming** button until the indicator light turns steady green. Power off Receiver.

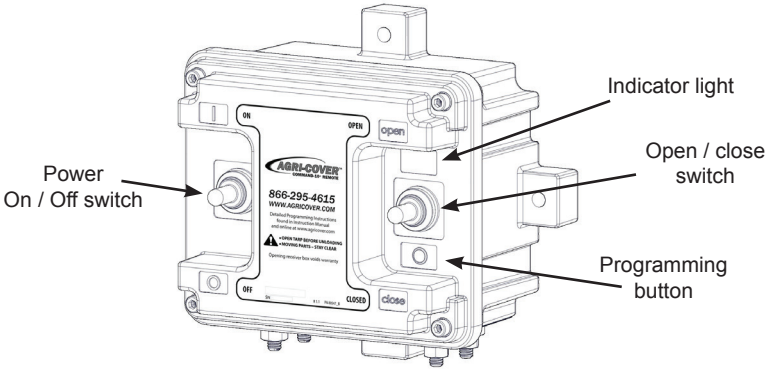


Figure 6 – Receiver

2. CREATE PRIMARY REMOTE

Clear Remote - open cover to unlock remote. Push and hold **Select** button then push and hold **Programming** button while **Select** button is still being held. Hold both buttons until indicator light flashes red. Release both buttons. Press **CLOSE** button. Indicator light will fast flash red then turn steady green. Close lid to power down and lock remote. Remote is now cleared. Open cover to unlock remote. Push and hold **Select** button then push and hold **Programming** button while Select button is still being held. Hold both buttons until indicator light flashes red. Release both buttons. Press **OPEN** button. Indicator light will slow flash green. Primary Remote has been created. Close lid to power down and lock remote.

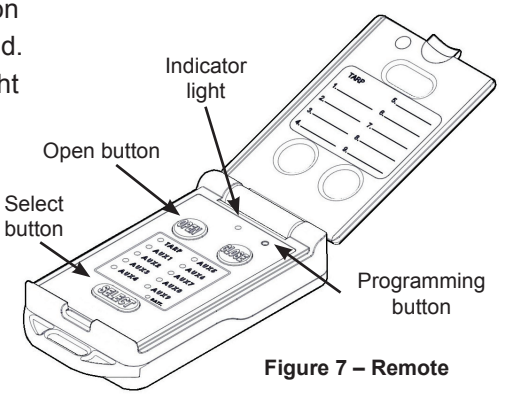


Figure 7 – Remote

3. PROGRAM PRIMARY REMOTE TO RECEIVER

Power on both receiver and remote. On remote tap **Programming** button once, indicator light will flash fast green. On receiver, press and hold **Programming** button until both remote and receiver slow flash green at the same rate. Remote and Receiver are now programmed. By default the Remote will be programmed to the tarp setting.

Optional Instructions to Enable and Program Additional Modes on Remote Control

(adding additional Receiver)

1. CLEAR ADDITIONAL RECEIVER

A. Power on Receiver.
B. Press and hold the **Programming** button until the indicator light turns steady green.
C. Power off Receiver.

2. PROGRAM PRIMARY REMOTE TO ADDITIONAL RECEIVER

NOTE: Be sure that only the Remote that you are working with is powered up.

A. Power on both Additional Receiver and Primary Remote
B. On Remote, tap **Program** button once, indicator light will flash fast green.
C. Use the Select button to select one of the 10 programmable locations.
D. On Additional Receiver, press and hold **Programming** button until both Remote and Additional Receiver slow flash green at the same rate.
E. Remote and Additional Receiver are now programmed.

Caution: If TARP function is selected the previous receiver will be overwritten.

Optional Instructions to Program Auxiliary Remotes

1. CREATE AN AUXILIARY REMOTE

Open cover to unlock remote. Push and hold **Select** button then push and hold **Programming** button while **Select** button is still being held. Hold both buttons until indicator light flashes red. Release both buttons. Press **CLOSE** button. Indicator light will fast flash red, then be steady green. Auxiliary Remote has been created. Close lid to power down and lock remote.

2. SYNC PRIMARY AND AUXILIARY REMOTES

Place both remotes next to each other and open lids on both remotes. Primary Remote will flash slow green, Auxiliary Remote will flash fast red then switch to steady green. On Primary Remote, tap **Programming** button. On Auxiliary Remote, press and hold **Programming** button until indicator light flashes fast green. Release **Programming** button on Auxiliary Remote. Indicator light will flash slow green and programed modes will be steady red. Auxiliary Remote is now programmed to same functions as Primary Remote.

NOTE: Multiple remotes can be synced to the Primary Remote, but the Primary Remote must be used to create all new remotes.

3. UPDATE PREVIOUSLY SYNCED TRANSMITTERS

Once synced with the Primary Remotes, Auxiliary Remotes can automatically be updated if there are any changes to the Primary Remote. Place both remotes next to each other and open lids on both remotes. After 5 seconds the Auxiliary Remote will be updated to all functions of the Primary Remote.

BATTERY REPLACEMENT

Your remote is powered by two AAA 1.5V Alkaline batteries. If remote becomes unresponsive or if low battery indicator is flashing replace batteries.

To change batteries, remove the battery cover exposing two batteries. Replace both batteries with two of same brand and size. Reassemble battery cover. Note: Use only new AAA 1.5V Alkaline batteries. Since rechargeable batteries run at 1.2-1.25V the system might mistakenly identify rechargeable batteries as a low battery and might not work properly. Rechargeable batteries are not recommended.

NOTE: Remote may need to be reprogrammed after batteries are changed.

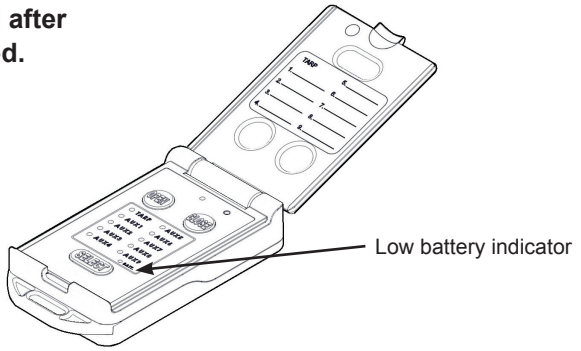


Figure 8 – Remote

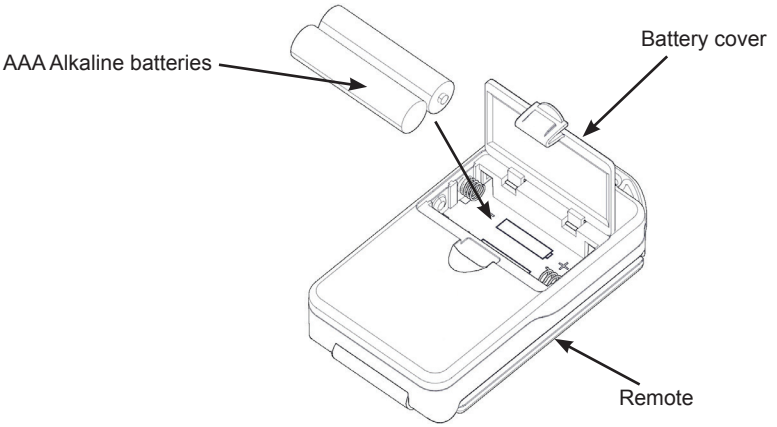


Figure 9 – Changing Batteries

GENERAL TROUBLESHOOTING

1. If system has a master control switch, make sure it is turned to “ON” position.

2. Check all of the wiring components:
   a. Check (+) and (-) wire connections on vehicle battery.
   b. Check all wiring connections retighten and re-crimp if loose, replace if corroded.
   c. Check all wire for worn or bare spots.
   d. Check to make sure you have 9 volts or more coming into the receiver while system is operating.

3. Check power sources:
   a. Check vehicle battery, charge or replace if required.
   b. Check remote batteries replace with quality high capacity batteries, make sure batteries are loaded correctly in the remote and the terminals are clean.

4. Check for physical damage to any equipment.
   a. Repair or replace if required.

5. If system operates with toggle switch but not with remote. The remote is not communicating with receiver.
   a. Make sure remote is set to the correct mode. If remote cannot be set to correct mode, reprogramming is needed, refer to reprogramming portion of this manual.

TROUBLESHOOTING RECEIVER (Assuming remote is working properly)	
Problem Issue:	**Check or Try...**
1. System will not operate with remote or toggle switch. (Cannot hear a clicking noise from receiver inside control box.)	a. If system has a master control switch, make sure it is turned to "ON" position. b. Verify correct wiring of system. See wire schematic Page 5. c. Auto circuit breaker may have tripped. Wait several minutes and try again. If it still does not work circuit breaker may have detected a continuous short and short must be repaired.
2. System will not operate with remote or toggle switch. (Can hear a clicking noise from inside receiver control box – but nothing happens.)	a. Verify there are at least 12 volts coming into receiver on battery hookup posts. b. Verify there are at least 12 volts coming out of motor terminals on box while on/off switch is being activated. If there are 12 volts coming into receiver and not 12 volts coming out problems may be in receiver. c. Verify there are at least 12 volts at terminals on motor (use caution around moving parts). If there are 12 volts at the motor and the motor still doesn't turn, the problem may be in the motor. If there are 12 volts coming out of receiver and not 12 volts going into motor problem may be in wire between receiver and motor.

TROUBLESHOOTING REMOTE (Assuming receiver is working properly)	
Problem Issue:	**Check or Try...**
3. Remote transmitter doesn't work. None of the lights turn on when remote is turned on.	a. Check remote for dead batteries, if batteries are dead replace with new quality, high capacity batteries. Make sure batteries are loaded correctly in remote and terminals are clean. If replacing batteries does not work, problem may be in remote.
4. Remote transmitter doesn't work, batteries are good and transmitter lights are working. System operates with toggle switch but not with remote. Remote not communicating with receiver.	a. Make sure remote is set to correct mode. If remote cannot be set to correct mode, reprogramming is needed (see reprogramming portion of instructions.) b. Be sure to be within several feet of receiver and try again. If remote transmitter works at short range but not long range, replace batteries. If that doesn't work problem may be in remote.
TROUBLESHOOTING SYSTEM	
Problem Issue:	**Check or Try...**
5. The remote and toggle switch will operate the motor, but tarp motor turns freely and tarp won't move.	a. Check pin connections in shaft between motor and tarp tube. If missing, replace sheared bolt or pin with new clevis pin. b. Check tarp system for damaged or misaligned parts and correct as needed. c. Make sure tarp is free from obstruction.
6. System will not operate with toggle switch or with remote transmitter (both working properly). Motor engages but stalls and system does not turn.	a. Check conditions and alignment of system, ensure no broken components or obstructions. Refer to system's owner's manual.