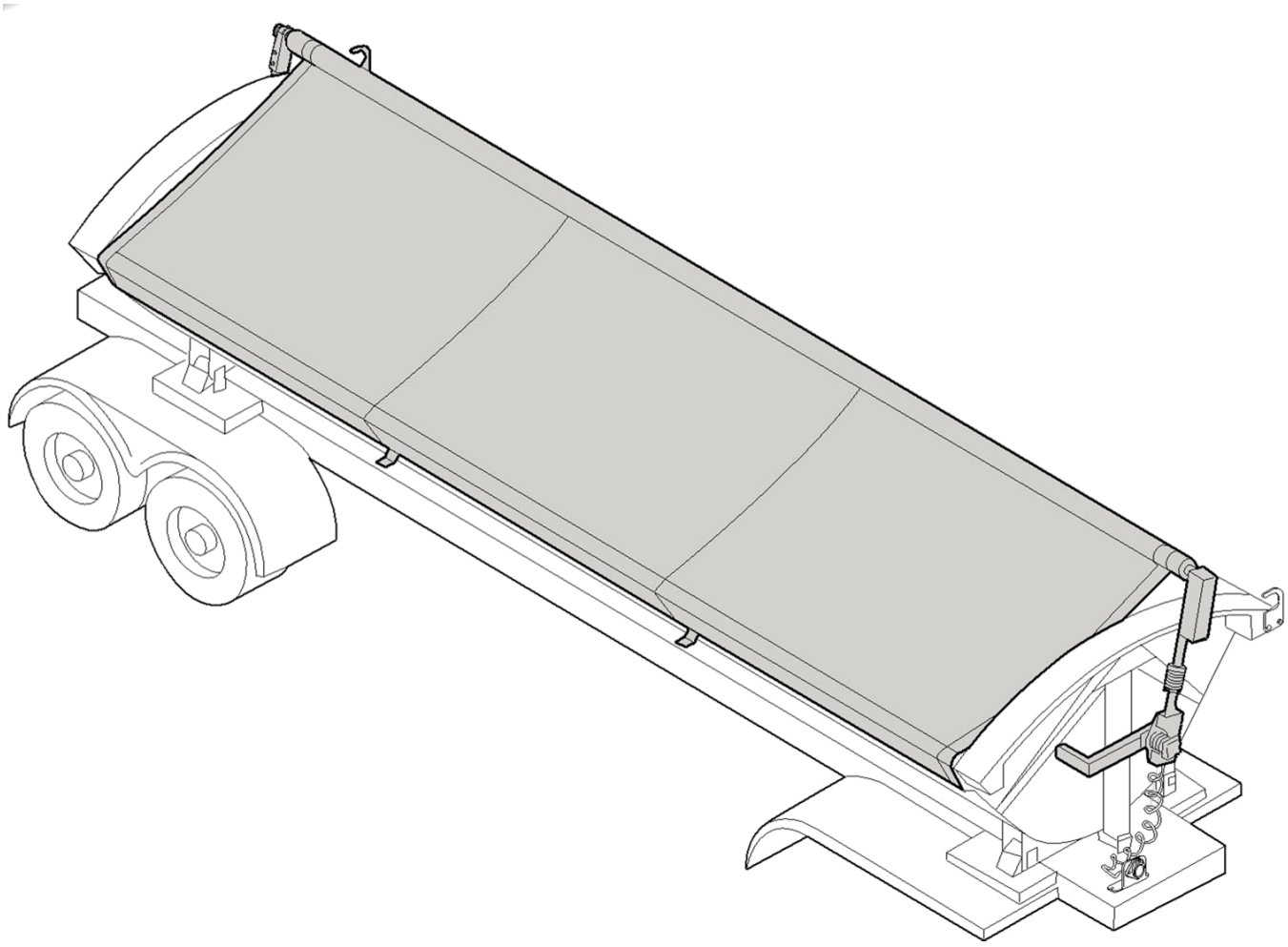
Side Kick 2™

Side Dump Trailer Tarp Cover

Installation, Maintenance, Safety Instructions



Attention Dealers: Please give this manual to the customer when the product is delivered.

Important: This manual explains how to install, operate, and maintain the Sidekick Side-Dump Trailer Cover. Before installing or operating the Sidekick Cover, read the entire manual.

Three kinds of special explanations will appear throughout the manual. These are Warning, Caution, and Note. Be sure to read and follow them.

> ⚠***WARNING:*** *Indicates a hazardous situation which, if not avoided could result in death or serious injury*

> ⚠***CAUTION:*** *Indicates a hazardous situation which, if not avoided could result in minor or moderate injury.*

> ⓘ***IMPORTANT:*** *Contains information critical to installation, operation, maintenance, or warranty policy.*

There are two levels of steps in this manual. References to primary steps will show STEP in all uppercase letters. References to secondary, or sub-steps, will show step in all lowercase letters.

INTRODUCTION

Tarp Systems

There are two types of Sidekick tarp systems. One type utilizes a mesh fabric that fits between the dump tub front and rear bulkheads. The other tarp system uses a vinyl fabric that lies over or in between the bulkheads to seal the tub. For the vinyl system to seal, it requires the addition of hood extensions to the tub.

Trailer Configurations

> ⓘ***IMPORTANT:*** *The Sidekick Cover is designed for use on various makes and models of side-dump trailer tubs. Some original equipment manufacturers' (OEM) tubs are partially equipped with Aero Sidekick-ready hardware. Examine the trailer tub and carefully follow the steps required for your application.*

> ⓘ***IMPORTANT:*** *Sidekick covers installed by trailer OEMs occasionally use custom brackets and hardware. Although instructions for some OEM hardware appear in this manual, Aero recommends obtaining specific installation and maintenance instructions for trailer OEM hardware.*

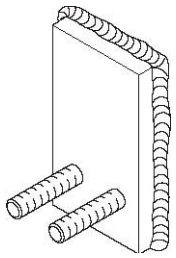
Cover/Uncover Direction

Installation instructions show the Sidekick configured to cover the trailer from passenger-side to driver-side. The cover/uncover direction can be changed by switching the pivot boxes from front to back and making appropriate adjustments to the installation steps.

STEP 1: How to Install the Quick-Release Mounting Plate

IMPORTANT: *OEM installed quick-release mounting plates are typically placed on the passenger-side of the tub. Refer to* ***Figure 1.1****. If the plates are installed, proceed to STEP 2.*

Figure 1.1



Parts you will need:

Quick-Release Mounting Plate (7)

1. Refer to ***Figure 1.2***. Layout the plate positions on the passenger-side of the tub. Mark the center of the opening of the box. Mark a location for the front and rear plates by going from the center of the box measuring half of the finished length of the tarp minus 1" and 3 1/2" down from the side rail. The bottom of the quick release plate is 3 1/2" down from the side rail.
2. Two quick release mounting plates go 1/2" apart at the ends of the trailer. The remaining gets evenly spaced along the trailer so the bottom is 3 1/2" down from the side rail.
3. Remove any dirt, debris, or paint from the tub at the seven plate locations.
4. Weld the plates in place.
5. Prime and paint the plates and tub to match the tub color.

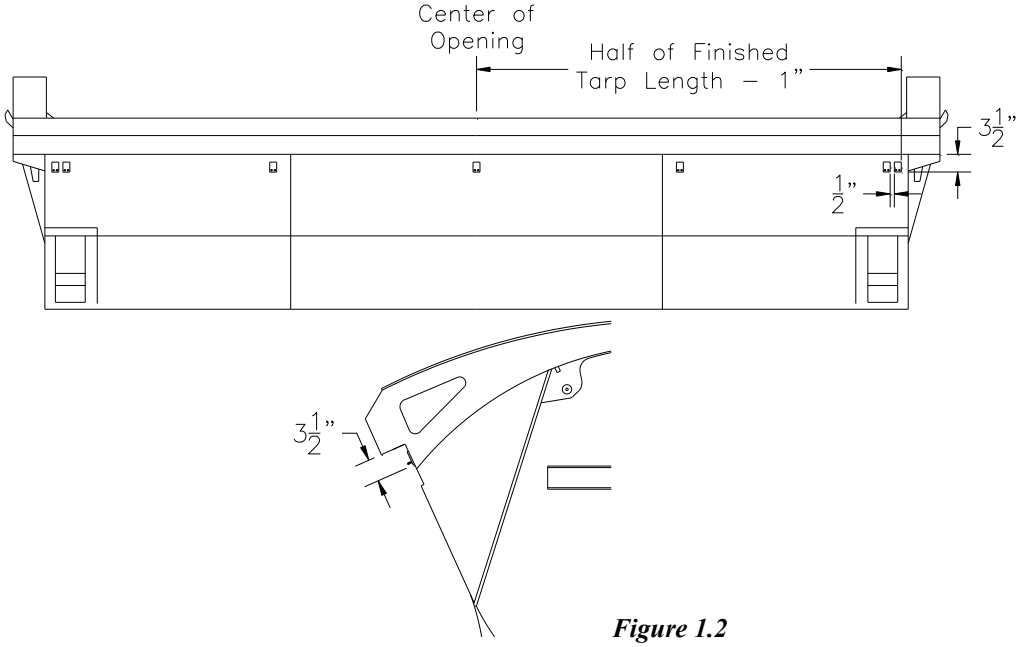


Figure 1.2

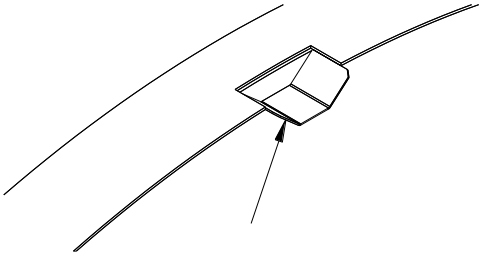
STEP 2: How to Install the Hood Trough

IMPORTANT: *The Hood Trough is just used when the tarp seals over the end caps of the trailer.*

Figure 2.1

Parts you will need:

Hood Trough (2)



1. Find the center of the trailer on the front and rear hood. The trough will sit into the hood 3" leaving 3" sticking inwards.
2. Center the hood trough on the end caps so it hangs 3" to the inside. Trace around it with a marker. Cut the end cap on your mark so the hood trough will fit in.
3. Weld the hood trough in so it is level and no edges are sticking up. Grind the edges to provide a smooth surface to prevent wearing of the tarp. Fill the back of the hood trough in and paint the same color as trailer.

STEP 3: How to Install the Front Wind Deflector

IMPORTANT: *The Hood Trough is just used when the tarp seals over the end caps of the trailer.*

Parts you will need:

Front Wind Deflector (1)

3/8"x1-1/4" Self Threading Bolts (7)

1. Position the wind deflector on the front end cap so it is centered on the trailer and sits in ¾" from the front of the trailer. The wind deflector may need to be trimmed down.
2. Mark and drill the 7 holes with a 11/32" bit. Secure the wind deflector with 3/8"x1-1/4" self-threading bolts.

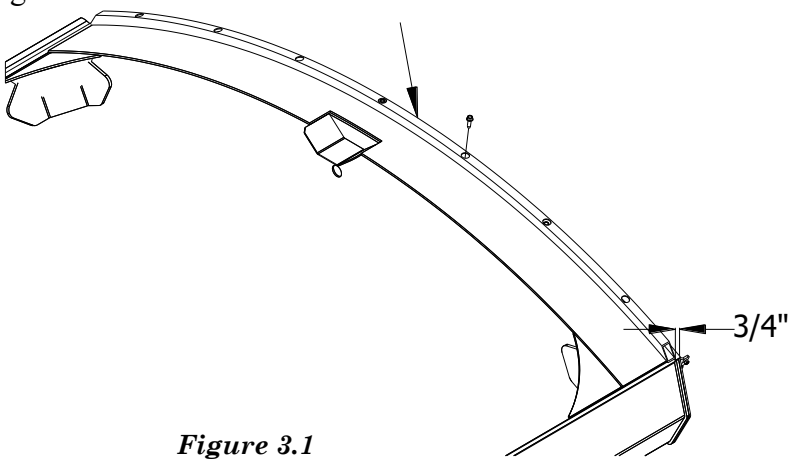


Figure 3.1

STEP 4: How to Install the Center Bow

IMPORTANT: *The Center Bow is only used when the tarp seals over the end caps of the trailer. It is only used on certain length of trailers.*

IMPORTANT: *There is 2 different Center Bow options. The standard is ¼" plate with 1-1/2" tubing welded around the top and the heavy duty is a 1" steel plate that requires gusset plates for reinforcement.*

Parts you will need:

Std Center Bow (1)		*1" Center Bow (1)*
Center Bow Mounting Bracket (4)	***OR***	*6"x14"x3/8" Reinforcement Plate (2)*
¾"x2-1/2' Hex Bolt (4)		*Long ¼" Gusset (4)*
¾" Nylon Lock Nut (4)		*Top ¼" Gusset (4)*

1. Mark the center of the top opening of the trailer.
2. Weld the mounting brackets to the trailer so they are offset ¼" from center. Position them 2" down from the top edge of the trailer or weld the reinforcement plates to the inside of the trailer with them centered and flush to the top edge.
3. Set the center bow in the trailer so it is in the center and sitting straight up and down. You may need to use a hydraulic bottle jack to spread the walls of the trailer out. Make the height of the center bow the same as the end caps.
4. Drill (4) ¾" holes in the center bow through the slots of the mounting brackets and secure with ¾" bolts and lock nuts (***Figure 4.1***). OR Weld all around the center bow to the trailer. Make several passes around the center bow.
5. For the 1" center bow weld the long gusset (black arrow) and top to the trailer and center bow. Refer to ***Figure 4.2.***

IMPORTANT: *The Center Bow may not fit exactly to the trailer walls. You may need to add some material to fill in gaps.*

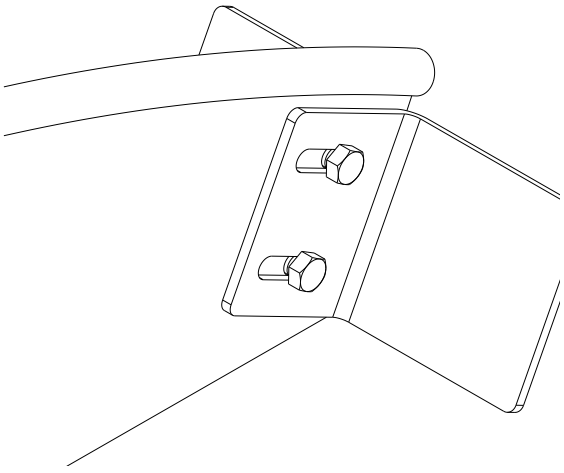


Figure 4.1

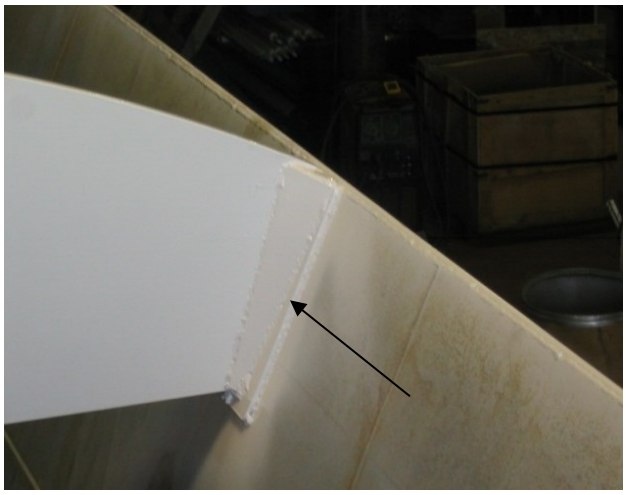


Figure 4.2

STEP 5: Install Swing-Arm Mounting Bracket

Parts you will need:

Mounting bracket weldment (4)
Swing-arm mounting bracket (2)
1/2"x 1-1/8" cap screw (8)
1/2" nyloc nut (8)
1/2" flat washer (8)

IMPORTANT: *The placement of the pivot point is important to proper Sidekick operation. Follow these steps carefully for optimum performance of the Sidekick cover.*

1. Assemble a swing-arm mounting bracket with a pair of weldments using the cap screws, washers and nuts provided. The weldments fit inside the bracket, with the weldments protruding from the bracket. Refer to ***Figure 5.1***.
2. Position, but do not install, the assembly on one end of the tub so the center of the bracket is centered side-to-side with the tub, level, and even with to 7-1/2" below the tub side rail. Refer to ***Figure 5.2***

Figure 5.1

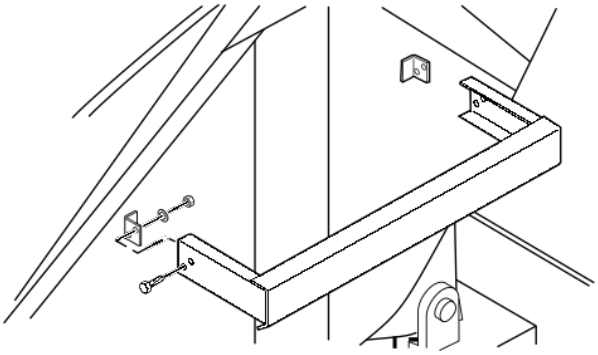
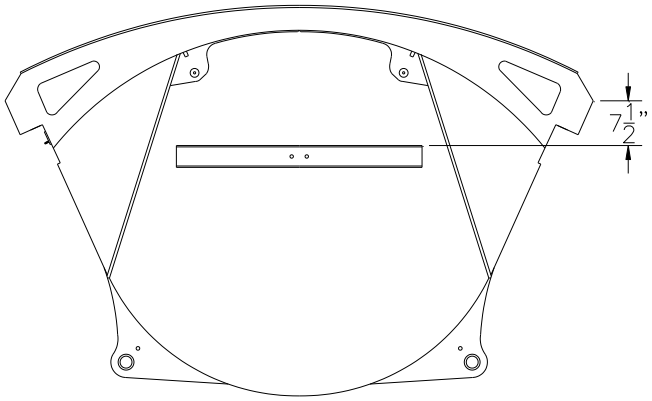


Figure 5.2



3. Remove any dirt, debris, or paint from the tub at the weldment locations
4. Disassemble the bracket and weld the weldments in place.
5. Assemble the pivot point bracket to the weldments using the cap screws, washers, and nuts provided.
6. Prime and paint the components to match the tub color.
7. Repeat these steps for the other end of the tub, using the same dimensions.

Step 6: How to Install the Mounting Post, Roller Plate, Spring and, Spring Stop

Parts you will need:

Spring Mount Post (2)	*½" x 2" cap screw (8)*
½" flat washer (8)	*½" Nyloc nut (8)*
½"x ¾"SHCS (1)	*½" Hex Nut*
½" Lock Washer (4)	*Roller Plate Assembly*
Hub Spring RH (1)	*Hub Spring LH (1)*
Assembly (2)	

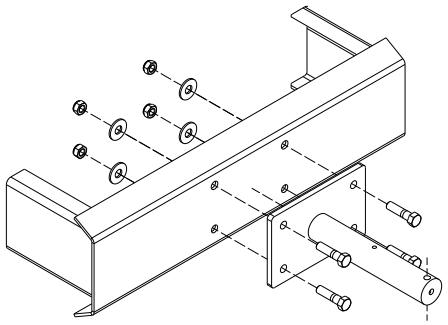


Figure 6.1

1. Align the Spring Mount Post to the mounting bracket so the holes in the post are vertical. Mount the holes using the Spring Mount Post as a guide.
2. Drill 19/32" diameter clearance holes. Install using ½" x 2 Cap Screws.
3. Repeat these steps for the rear Spring Mount Post
4. Slide the front Roller Plate Assembly onto the Spring Mount Post. Refer to ***Figure 6.2***
   a) **In Between The Hoods Tarp** Slide the Hub Spring –LH (White) onto the front Roller Plate Assembly, align the spring into hole# 1 from bottom left of the Roller Plate Assembly. ***Refer Figure 6.3.***
   b) **Over the Hoods (Sealed) Tarp** Slide the Hub Spring –LH (White) onto the front Roller Plate Assembly and align the spring into hole# 4 from the bottom left side of the Roller Plate Assembly. ***Refer Figure 6.4.***

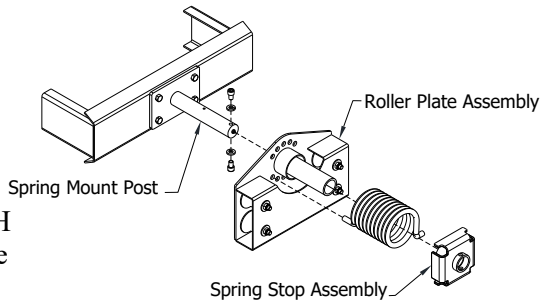


Figure 6.2

Slide the Spring Stop onto the Spring Mount Post and place the spring end in to the bottom right tab of the Spring Stop Bracket. Insert two ½" x ¾" Hex Bolts with ½" washers through the Spring Stop Assembly and into the Spring Mount Post.

5. Slide the front Roller Plate Assembly onto the Spring Mount Post. Slide the Hub Spring RH (Black) onto the rear Roller Plate Assembly. Refer to ***Figure 6.2***.

   a) **In Between The Hoods Tarp** Slide the Hub Spring –RH (Black) onto the front Roller Plate Assembly and align the spring into hole# 1 from top left of the Roller Plate Assembly. ***Refer Figure 6.3.***
   b) **Over the Hoods (Sealed) Tarp** Slide the Hub Spring –RH (Black) onto the front Roller Plate Assembly and align the spring into hole# 4 from top left of the Roller Plate Assembly. ***Refer Figure 6.4***

Slide the Spring Stop onto the Spring Mount Post and place the spring end in to the top right tab of the Spring Stop Bracket. Insert two ½" x ¾" Hex Bolts with ½" washers through the Spring Stop Assembly and into the Spring Mount Post.

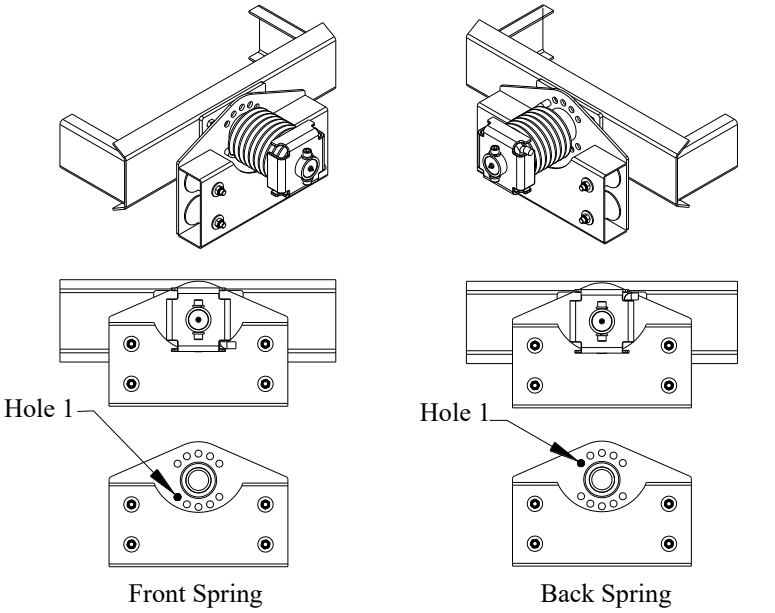


Figure 6.3 In Between the Hoods

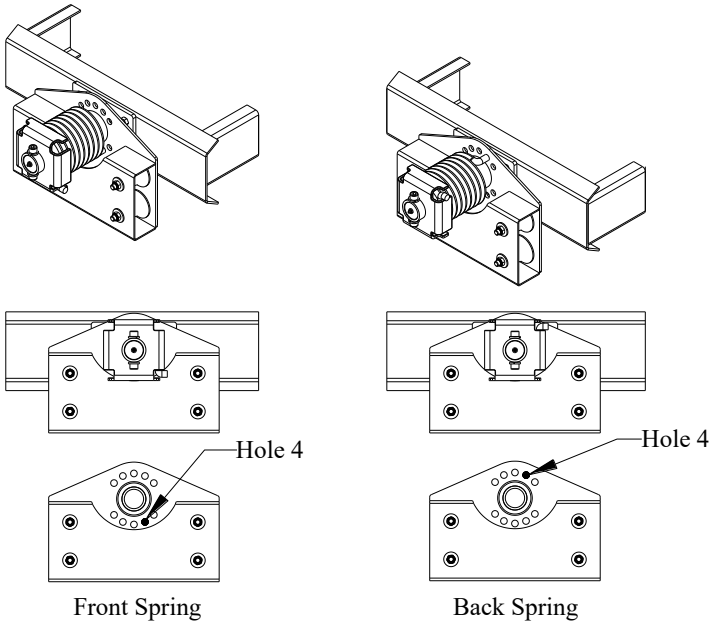


Figure 6.4 Over the Hoods

6. Grease the grease zerks in the Spring Mount Post assemblies.
7. You Might have to adjust the spring tension for longer tarps to get the required tension. See step 16.

Step 7: How to Install the Swing-Arm Assemblies

Parts you will need:

Front swing-arm assembly (1)
Rear swing-arm assembly (1)
Swing-arm lock collar (4)
Compression spring (2)
2" flat washer (2)

1. Slide a lock collar, compression spring and 2" washer over the power cables and onto the front swing-arm assembly. This collar will be tightened in a later step.

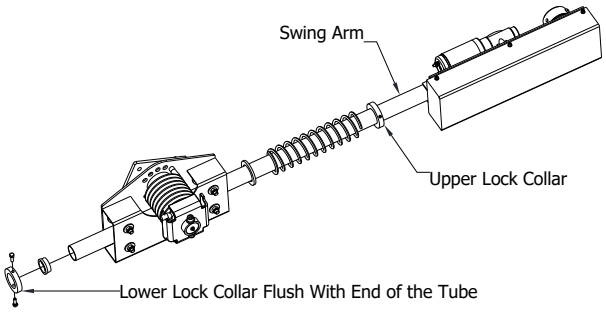


Figure 7.1

2. Slide the power cable and front swing-arm through the rollers of the front pivot box assembly. Refer to ***Figure 7.1***. Slide another lock collar over the power cable and onto the front swing-arm and tighten the 5/16" x 1" bolt into the hole in the tube and tighten the second bolt against the tube.

⚠***CAUTION:*** Collar could come off unless you make sure bolt in collar is through hole in the tube. Risk of injury to operator or bystander could result.
Once installed ensure that throughout the operation of the swing arm that all air and hydraulic lines are cleared to ensure that the lines will not be damaged.

STEP 8: How to Prepare the Tarp Assembly

Parts you will need:

Roll-up bar assembly
1" Galvanized tube for fixed tube
Aluminum Strip (2)
Tarp (1)
Aluminum Center U (1)
3/16"x71/6" Pop Rivet (12)

IMPORTANT: *Except where noted, the preparation of mesh and vinyl tarping systems are identical. Read the instructions carefully and follow the steps for your application.*

IMPORTANT: *Proper orientation of Sidekick components and measurements taken in these steps are critical to proper Sidekick operation.*

IMPORTANT: *Steps 1 and 2 are intended to position the Sidekick components so an accurate measurement may be taken for the roll-up bar length.*

IMPORTANT: *Steps 15 and 16 are for tarps that seal over the end caps of the trailer.*

1. Extend the front and rear swing-arm assemblies so the lower lock collars rest against the pivot box assemblies. Align the swing-arms so they are parallel with each other; use temporary supports if necessary.
2. Check the orientation of the pivot box assemblies. The face of the boxes must be plumb (perpendicular to the top of the trailer) with top of the trailer.
3. Measure and note the distance between the adapter faces on motor arm and swing arm. Subtract 1-1/2" from the measured distance and this is the finished length of 3-1/2" diameter tube. Refer to ***Figure 8.1***

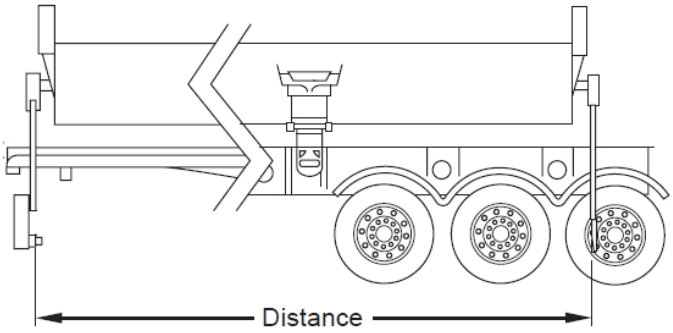


Figure 8.1

CAUTION: *Do not include the roll-up bar adapters as part of the length of the 3.5" diameter aluminum tubing. This will cause the roll-up bar to be too short*

4. Lay the two sections of roll-up bar on a flat surface, overlapping the open end of one tube with the welded billet in the other tube. Adjust the overlap so the 3-1/2" diameter tubing equals the dimension determined in the previous step
5. Mark the open ended tube for a cut that allows a smooth and even weld to the billet in the other tube. Refer to ***Figure 8.2***

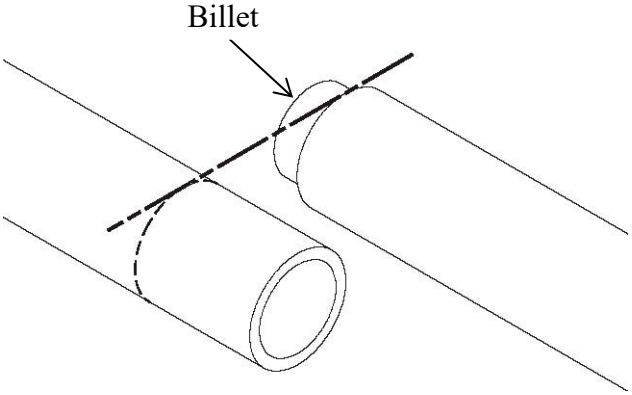


Figure 8.2

6. Cut the tube where marked and assemble the open ended tube onto the billet. Adjust the pieces so the length of the 3-1/2" tubing is equal to the dimension determined in Step 4.
7. Weld the tubes together.
8. Bolt the long shaft roll up bar adaptor into one end of the roll up bar if not already installed.
9. Spread the tarp out on a flat surface with the grey seat belting facing down.
10. Create the fixed tube by assembling the two pieces of 1-1/8" galvanized tubing at the tube joint and welding them together.
11. Measure the length of the tarp. Make the fixed pipe the length of the tarp PLUS 1". Slide the black caps on the ends of the pipe when cut to proper length.
12. Insert the fixed tube into the smaller pocket in the tarp.
13. Slide the roll-up bar assembly into the larger pocket in the tarp. Refer to ***Figure 8.3*** for proper orientation. The long shaft towards the rear of the trailer and the open end at the front of the trailer.

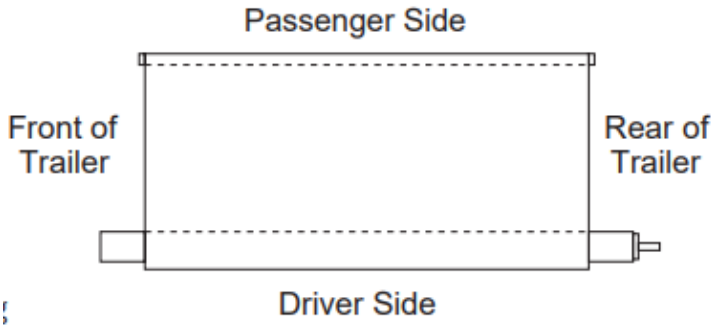


Figure 8.3

14. Trim the rubber treads at each end of the roll-up bar to allow 1" to 2" of clearance from the tarp if necessary. Make sure the edge of the tread nearest the vinyl tarp is fastened to the roll-up bar; add a self-tapping screw, if necessary.
15. Insert the aluminum Center U in the pocket in the middle of the tarp if required. Refer to ***Figure 8.4***
16. Place the Center U so it sits in the pocket with the u facing up. When the tarp rolls up the roll up bar sits inside of the Center U. Secure the Center U to the tarp with the aluminum strips and pop rivets at the ends on the underside of the tarp.
17. While the tarp is lying flat, roll the tarp onto the roll–up bar by rolling it toward the fixed tube.

Figure 8.4

STEP 9: How to Install the Tarp Assembly

IMPORTANT: *Except where noted, the installation of the mesh and vinyl tarp systems are identical. Read the instructions carefully and follow the steps for your application.*

IMPORTANT: *Refer to the trailer OEM instructions for non-Aero roll-up bar supports.*

Parts you will need:

Tarp Assembly (1)
Tarp Cradle (2)
5/16 Flange Nut (14)
¼"x1" Lag Screws (16)
Rear swing-arm shaft collar (2)
1/4" Self-tapping Phillips Screws (10)
Fixed Tube Clamps (7)
Aluminum Locking Flange
5/16" Grade 8 Cap Screw (5)
5/16" Nylock Nut (5)
Roll-up Bar Tarp Clamps (10)

1. Place the tarp assembly on top of the trailer tub bulkheads. The long adapter shaft positioned toward the swing arm end of the trailer. Refer to ***Figure 9.1***.

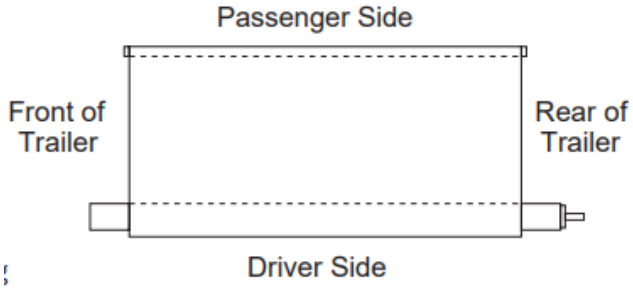


Figure 9.1

2. Unroll the tarp until the fixed tube drapes over the passenger-side of the trailer, toward the fixed tube clamp weldments.
3. Center the tarp between or on the bulkheads. Refer to ***Figure 9.2***.

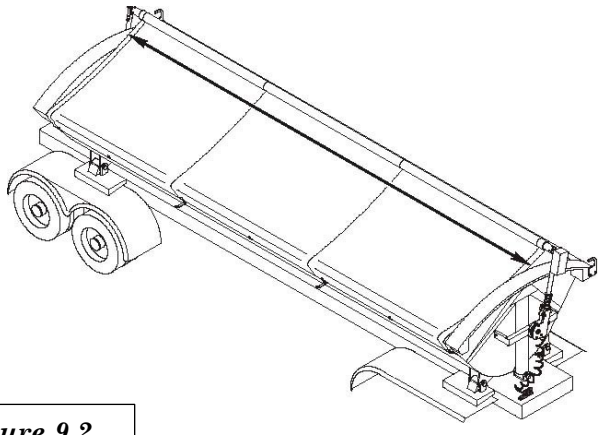


Figure 9.2

4. Position the fixed tube and tarp slightly above the quick-release mounting plates. Use the 5/16" Nyloc nuts to install the clamp on the mounting plates, clamping the tarp in place. Make sure the fixed tube and tarp are straight and smooth with no substantial wrinkles. Refer to ***Figure 9.3***
5. Unroll the roll-tube until it drapes over the driver-side of the trailer.
6. Raise the front swing-arm to reach the roll-tube. If the long shaft adapter is toward the motor, the roll-tube must be removed and reinserted into the tarp pocket correctly.
7. Install the roll-tube onto the output shaft of the swing-arm motor and align the cap screw holes. Use three of the supplied 3/8" button head screws with lock washers to secure the rule-tube. **Tighten button head screws to a minimum of 35 ft/lb**. Refer to ***Figure 9.4***.

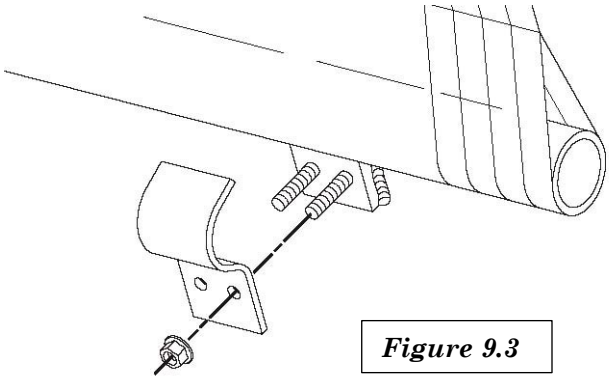


Figure 9.3

NOTE: Using a standard Allen key to tighten the button head screws will result in under torqueing of the screws. This could result in premature damage and will void any warranty.

NOTE: It may be necessary to rotate roll tube or operate tarp motor to line up holes for mounting.

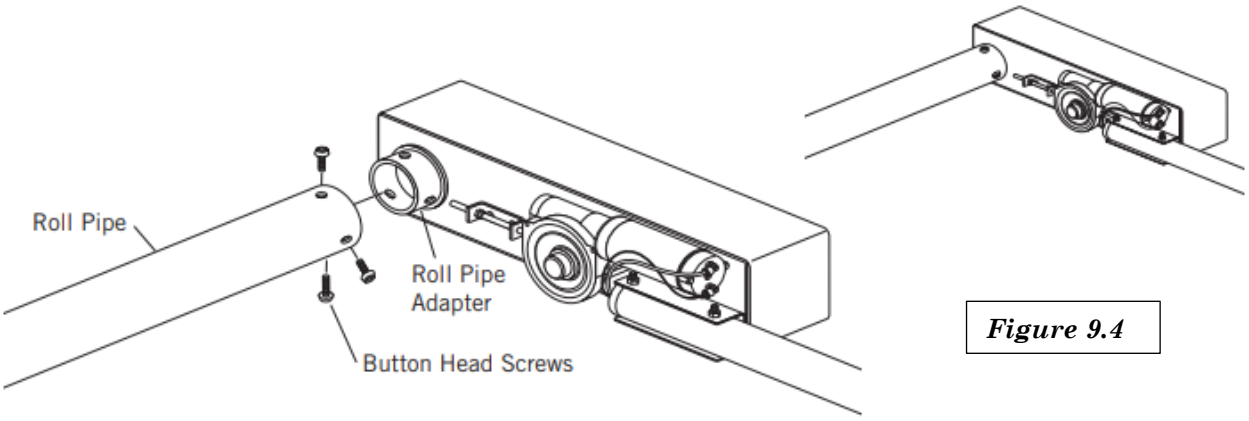
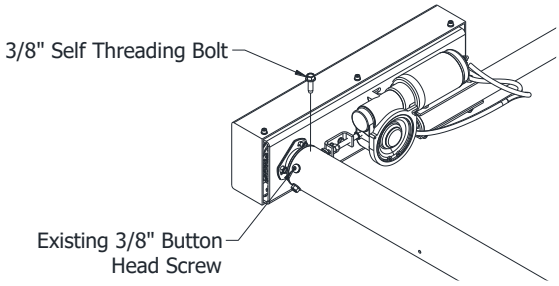


Figure 9.4

8. After the button head screws are installed, secure (3) 3/8" x 1-1/4" self threading bolts thru the roll tube and adaptor. Drill 21/64" pilot holes evenly spaced between the button head bolts and thread bolts in.

9. Apply a film of grease to the inside of the swing-arm bushing.



10. Refer to ***Figure 9.5***. Slide a shaft collar and the rear swing-arm onto the adapter shaft at the rear of the trailer. Re-check the pivot box face for plumb (Straight). Place the shaft collar 1/4" from the swing-arm bushing and tighten. Loosen the set screw and slide the collar away to see the set screw marking and drill a small divot with a 5/16" drill bit. Reposition collar so the set screw will go into the divot. Apply Loctite to the set screw and fully tighten to secure the lock collar.

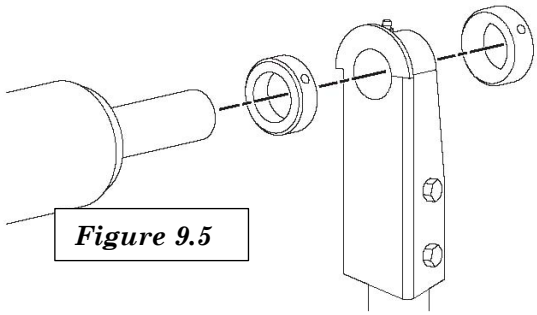


Figure 9.5

11. Slide another shaft collar on the adapter shaft, position it 1/4" from the swing arm bushing, and use thew same procedure above to secure it to the shaft.

12. Check alignment of the roll-tube to the tub and bulkhead. The rubber tread on the roll-tube should be aligned to track over the bulkhead, while allowing the tarp to fit between or on the bulkheads.

IMPORTANT: *Some vinyl tarps will go over the bulkheads.*

13. While the roll-tube is hanging over the side-rail, use the self-tapping screws and tarp clamps to secure the tarp to the roll-tube. Install a clamp in the middle of the each webbing along the tarp. Refer to ***Figure 9.6***.

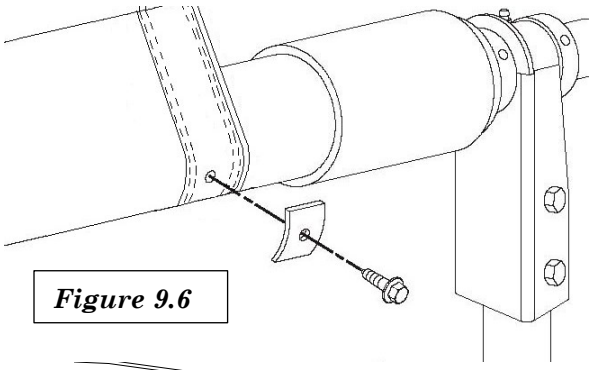


Figure 9.6

Install the locking flange on the opposite side you mounted the tarp on. Place along the top of the side rail and secure using ¼"x1" lag screws approximately every 12 inches. Refer to ***Figure 9.7***.

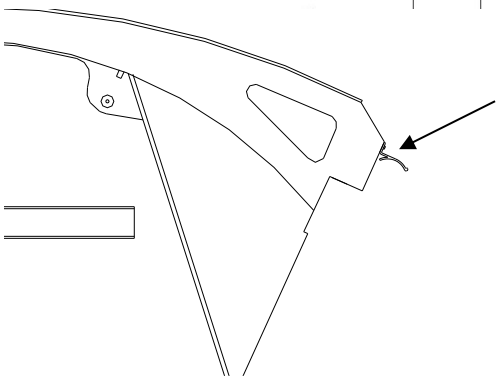


Figure 9.7

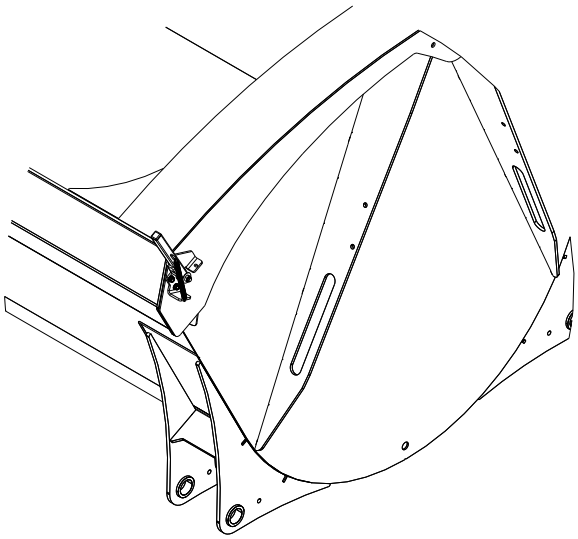
STEP 10: How to Install the Flip Up Tarp Stops

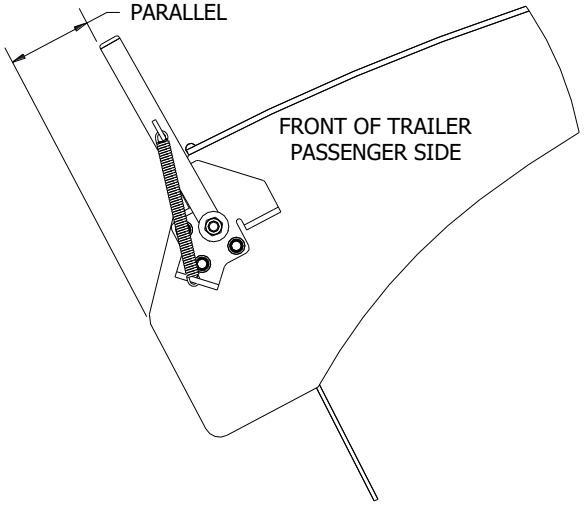
The Flip Up Tarp Stops are only supplied for Vinyl tarps.

Parts you will need:

Flip Up Tarp Stop Assembly (2)

1. Install the Flip Up Tarp Stop on the front and back of the passenger side of the trailer. When the Tarp Stop Tubing is in the upright position it should be mounted so it is parallel with the side of the trailer tube. The inside of the Tarp Stop Tubing should be mounted level with the outside top edge of the trailer. The mounting plate should be mounted underneath the bulkhead and as high as possible. See pictures below.

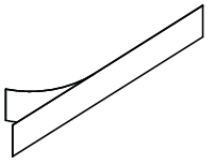




2. Mark the three hole locations and drill with a 11/32" drill bit. Use the supplied 3/8"x1-1/4self threading to secure the mounting plate.
3. It May be necessary to space the Tarp Stop out with a ½" washer if there isn't enough clearance on the bulkhead.
4. Secure the Tarp Stop in the "Up" position if dumping on the driver's side. Note: The tarp must be opened all the way to the Tarp Stop before dumping.
5. If dumping on the passenger side, the Tarp Stop must be secured in the "Down" position. To do this unbolt the 5/16" bolts from the Tarp Stop Arm and secure it in the down position. This will allow the tarp to be rolled all the way open so it is underneath the side of the trailer when dumping.

STEP 11: How and Where to Install Warning Labels

1. Locate a place for the safety label on the front of the trailer. On the side where the tarp system is in the closed position. See Figure 11.1
2. Clean the area with soap and water, and dry area.
3. Remove the backing and adhere the label to the trailer.
4. Repeat for the rear of the trailer.
5. The Tipping Hazard Label is installed at the factory and should be on the front drive unit chain cover.



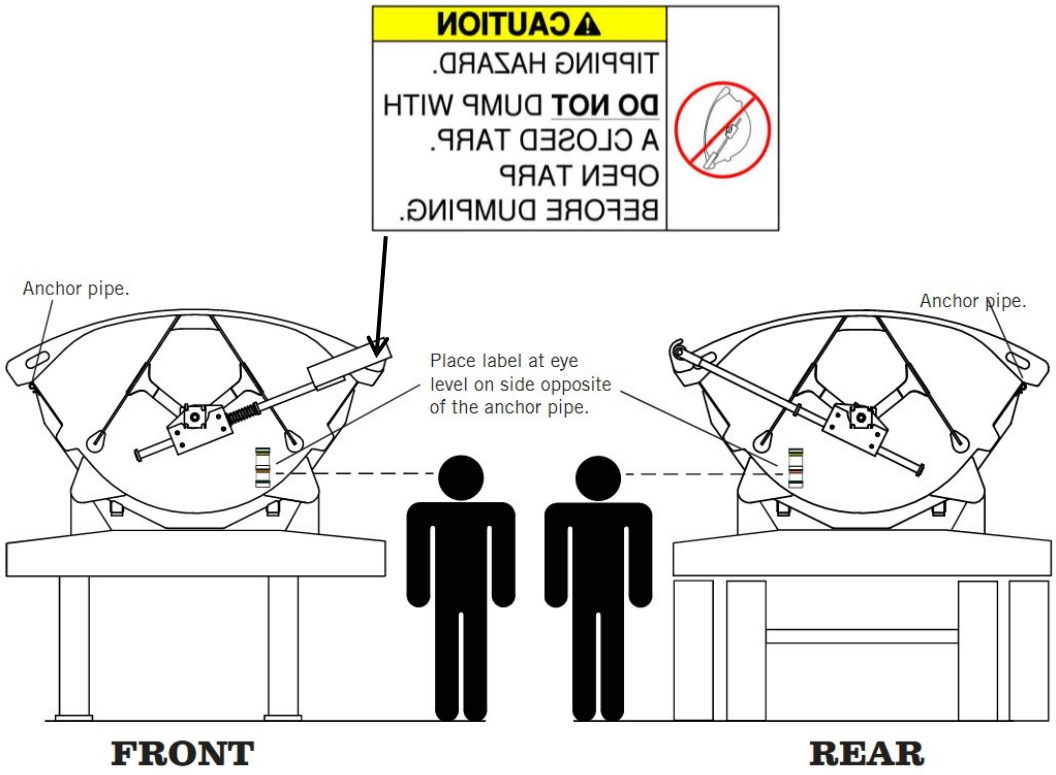


Figure 11.1

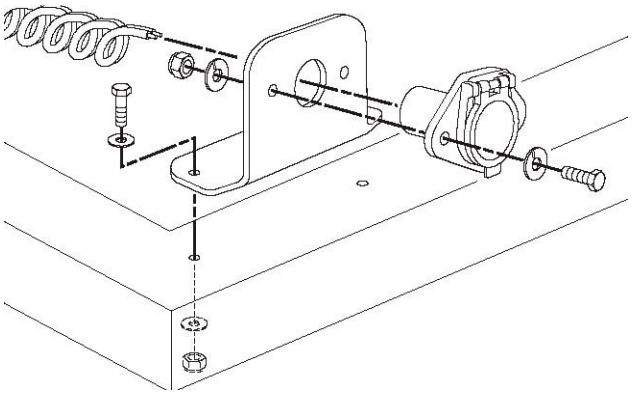
Step 12: How to Install the Power Receptacles

Parts you will need:

Socket mounting bracket (2)	*Female socket (2)*
5/16" x 1" hex head capscrew (8)	*5/16" flat washer (8)*
5/16" lock washer (4)	*5/16" nyloc nut (8)*

1. Refer to ***Figure 12.1***. Position the socket mounting bracket on the trailer frame in a convenient location. Using the bracket as a template, mark and drill two 5/16" holes in the trailer. Use the cap screws, flat washers, and nyloc nuts to secure the bracket to the frame.

Figure 12.1



⚠***CAUTION:*** *Route the power cable to allow free movement of the cable but reduce the possibility of pinching, chaffing, or interference with moving parts.*

2. Thread the power cable through the mounting bracket and install the female socket onto the cable.
3. Use the cap screws and lock washers to secure the socket to the bracket.
4. Use a ¾" wire clip and secure the wire to the bracket or near by to prevent the wire from pulling out of the socket.

STEP 12A: How to Install the Rocker Switch Electrical

Note: Apply the supplied Dielectric Lubricant to all wire connections when each wire is hooked up. The Dielectric Lubricant will help to prevent corrosion.

Parts you will need:

Rocker switch package (1)
#4 wire
Loom clamp screw (12)
Wiring diagram (1)
14G-3 Wire(20ft)
Metal loom clamp (12)
Male Plug (1)

IMPORTANT: *Failure to properly install and use the circuit breaker will void all motor warranty. Some motors have threaded contact stubs in place of head wires. Reference the wiring Diagram for additional information on wiring.*

CAUTION: *Route the wires to reduce the possibility of pinching, chaffing, and interference with moving parts.*

1. Find a convenient place, on the driver's side under the dashboard, to mount the rocker switch plate. Using the switch plate as a template, mark and drill two holes for the sheet metal screws.

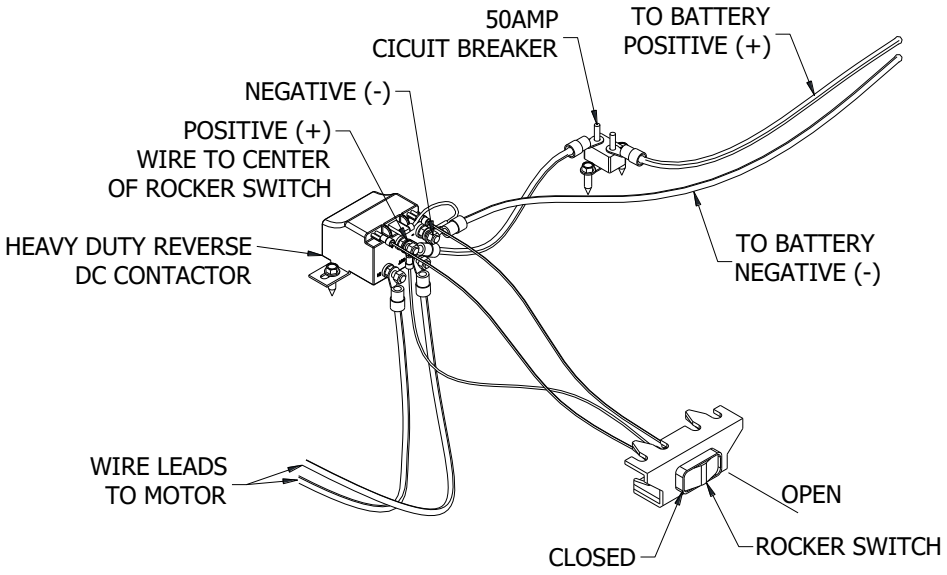


Figure 12A.1

2. Mount the reverse DC contactor in the battery box (if space available) or near the cab of truck out of the elements to increase longevity.
3. Run #4 double strand wire from the reverse DC contactor along the frame to the female socket on the trailer. Use loom clamps and screws where appropriate. Make sure to protect the wiring so that no piece of wiring is left exposed. Leave enough slack between the truck and trailer to allow the wire not to pull out when turning. The ends at the reverse DC contactor both get a black rubber boot and a #4-1/4" stud crimped on. Connect the wires to the bottom posts on the reverse DC contactor. It doesn't matter which motor wire goes on which post of the reverse DC contactor. If the motor runs the wrong direction change the wires on the motor.

4. Connect the wire from the 2 pole connector to the 2 bottom posts on the reverse DC contactor.
5. Run 14G-3 wire from the switch to the reverse DC contactor. The wire that connects to the middle post on the switch gets connected to the positive (+) post of the reverse DC contactor. The other two wires connect to the two outside posts of the switch and the two small posts on the reverse DC contactor.
6. Run #4 double strand wire from the battery to the reverse DC contactors. Slide a red rubber boot onto the positive wire and a black rubber boot onto the negative wire. Then crimp two #4-1/4" ring terminal crimped to the ends. The wire with the red stripe will be the positive wire and will get bolted on the positive post marked (+) along with the black 14Ga wire running from the switch. The black wire or negative wire will be bolted onto the bottom negative post (-). If possible, run the wiring along an existing wiring harness. Use loom clamps and screws where appropriate. Make sure to protect the wiring so that no piece of wiring is left exposed.
7. Place the 50amp circuit breaker near the battery in line with the wire going to the positive terminal on the battery. The positive wire connects to the positive (+) post of the reverse DC contactor along with the 14G wire from the switch.
8. The wire connected to the negative battery terminal connects to the negative (-) post on the reverse DC contactor. Connect the positive wire to the positive post of the battery.

IMPORTANT: *When you push "OPEN" on the switch the tarp rolls to the passenger side of the trailer. The roll-tube will be turning counterclockwise when looking at it from the front of the trailer. The two outside 14G wires on the switch may need to be switched to make the motor rotate the other way.*

STEP 12B: How to Install the Wireless Remote Electrical

Truck Mounting Electrical Wireless Remote Trailer Installation (see figure on page 21)

1. Run the #4 double strand wire from the battery to the circuit breaker to the battery disconnect to the trailer.
2. Cut the positive wire 6" back from the battery end and crimp a #4 x ¼" ring terminal on each end and bolt circuit breaker inline. Mount the 50amp circuit breaker in the battery box near the battery.
3. Find a mounting spot for the power disconnect in either the bunk storage compartment or in the cab of the truck that is easily accessible and will be in a locked area to prevent tampering with. To install the wires to the switch, it cannot be secured yet.
4. Run a strand of wire from the circuit breaker to the power disconnect switch. There is (2) smaller grommets that can be used to seal the wire off when going into the cab. You will have to split the double strand wire to fit through it. To use the grommets you will need to drill a 11/16" hole.
5. At the switch solder (2) 3/8" solder lugs to the wire and apply the supplied heat shrink over the soldered connections.
6. Secure the wires to the switch and secure the switch to the truck with the (4) #8 x 1-1/2" sheet metal screws. Ensure you are not drilling into any electrical or to an outside wall since the screws will stick through.

7. At the trailer solder and heat shrink the wires into the male 2 pole connector. Make sure the yellow wire is connected to the positive side of the 2 pole connector.

Lead B-Train /Single Trailer Wireless Remote Trailer Installation

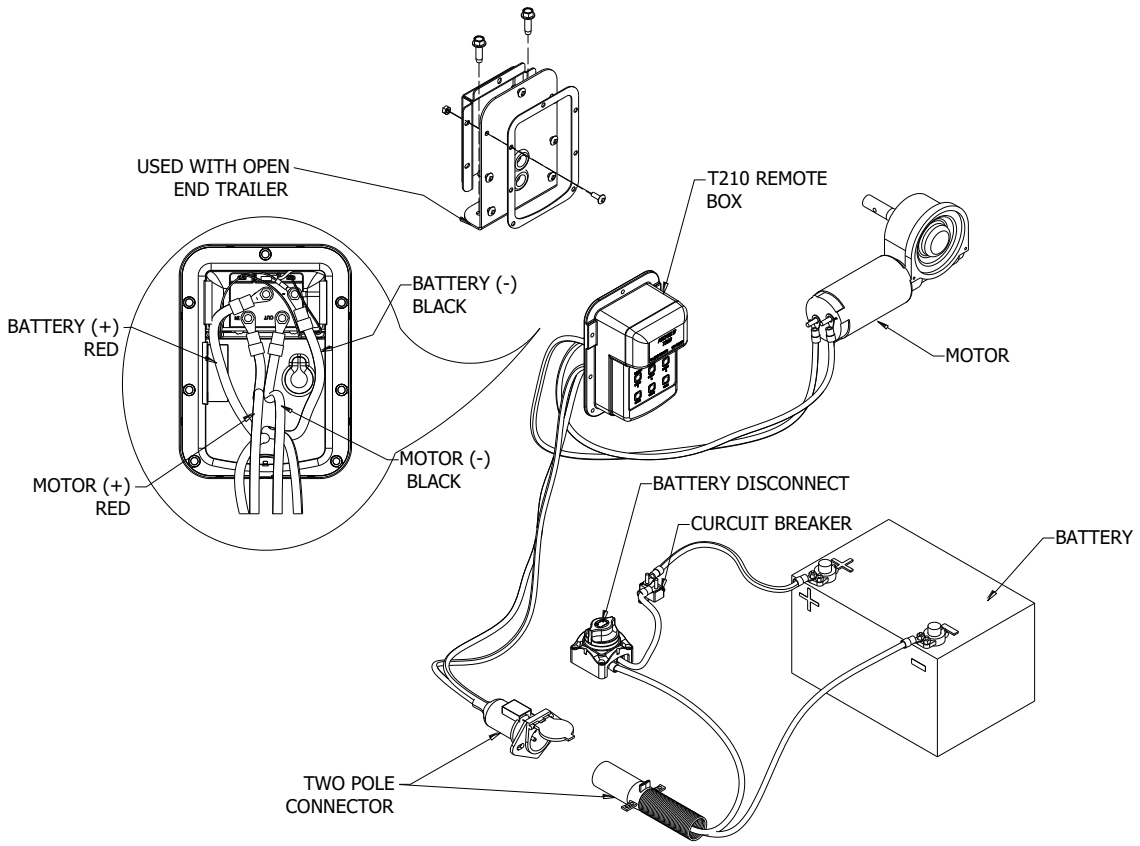
1. Mounting the wireless T210 plastic remote box on the front of the trailer.
    a. Open End Trailer – Use the Remote Box Mount to secure the Remote Box to the trailer. Screw the flange to the tubing on the front of the trailer using the 3/8" self-tapping screws.
    b. Closed End Trailer – Use the Remote Box Mount to trace the hole pattern including the two large 1-1/16" holes in the middle of the mount onto the trailer where the T210 remote box will be mounted. Drill out each hole on the trailer. Install the supplied grommets to protect the wires
2. Drill a 2" hole through the front of the trailer for the female 2-pole connector.
3. Run a #4 double strand wire from the female 2 pole connector to the T210 Remote Box.
4. At the female 2 pole connector, solder and heat shrink the wires. Make sure the yellow wire is connected to the positive side of the 2 pole connector.
5. Insert the rubber grommets to the holes in the trailer or the mounting bracket (whichever applies).
6. String the wires through the rubber gasket and the bottom hole drilled in the trailer or through the bottom hole in the mounting bracket (whichever applies). Then solder a #4-1/4" ring terminal to the ends then use heat shrink to insulate the ends. The yellow wire will be the positive wire and will get bolted on the positive post marked (+) and the black wire to the (–) negative post. Run the wires along the wall of the inner plastic bracket of the T210 Remote Box. See Diagram.
7. Run the motor wire hanging out of the front arm assembly to the remote box.
8. String the wire through the rubber gasket, and then top hole drilled in the trailer or the top hole of the mounting bracket (whichever applies). Solder #6-1/4" ring terminals on both ends of the wire, then insulate with heat shrink. Attach them to the solenoid according to the diagram. Keep these wires together and to the middle of the inner plastic bracket of the T210 Remote Box. See diagram. ***NOTE: The top hole is for the motor wire and the bottom hole is for the battery wire.***
9. Place the plastic T210 Remote Box tight against the mounting plate or the trailer and remove any slack wire between them.
10. Apply power and use the open and close buttons to move the motor. If the motor is turning the wrong way there is a way to correct the direction with the remote. See section 4.2.2 of the R200 remote manual.
11. If the motor moves in both directions, attach the T210 box to bracket with the bottom two bolts only for now. Remove wire slack and silicone the wire into the grommets
12. Finish bolting the plastic T210 Remote Box and the supplied rubber gasket to the mounting bracket or directly to the trailer (whichever applies) using the Robertson button head bolts and the 1/4" nylon jam nuts. If you are using the mounting plate, secure the

back cover along with the plastic T210 box to aluminum plate. The cover will protect the back of the wiring coming out of the mounting plate.

Rear B-Train Wireless Remote instructions

1. The female two pole connector on the lead trailer is shared by the lead and rear trailer.
2. In Step #4 above solder two #4 wires into each connector at the two pole connector. Run one #4 wire from the two pole plug on the lead trailer to the rear trailer two pole connector and another #4 wire to the lead remote box.
3. Wire the rear trailer the same as the above instructions for a single trailer.

Trailer Mounted Wireless Remote Diagram



Note: If wiring is hooked up incorrectly it will void your warranty.

*****For Remote Operation and Programming functions refer to the Remote Instruction Manual*****

STEP 13: How to Set Swing Arm Spring Tension

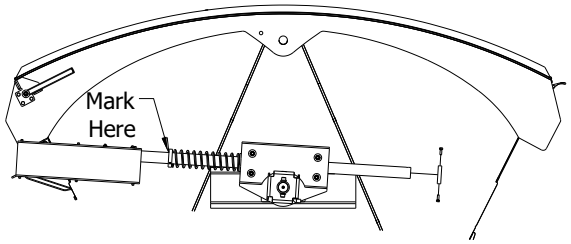


Figure 13.1

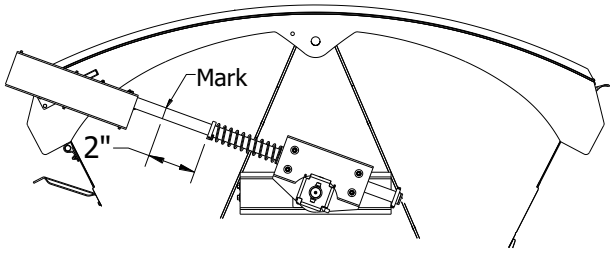


Figure 13.2

To set the upper lock collar, open the tarp along the bulkhead to the far left position so it's fully open and tight up against the trailer. Push the collar on the arm along with the spring washer up against to the roller plate assembly as shown in ***Figure 13.1.*** Make a mark on the arm at the position of upper collar. Refer to ***Figure 13.2***. Close the tarp to a position where the arm will be extended to its maximum length out of the roller plate assembly. Secure the top spring collar 2 inches lower than your mark, using the set screws. If there is interference between the swing arm and the air or hydraulic lines adjust the spring collar to clear the interference with these lines.

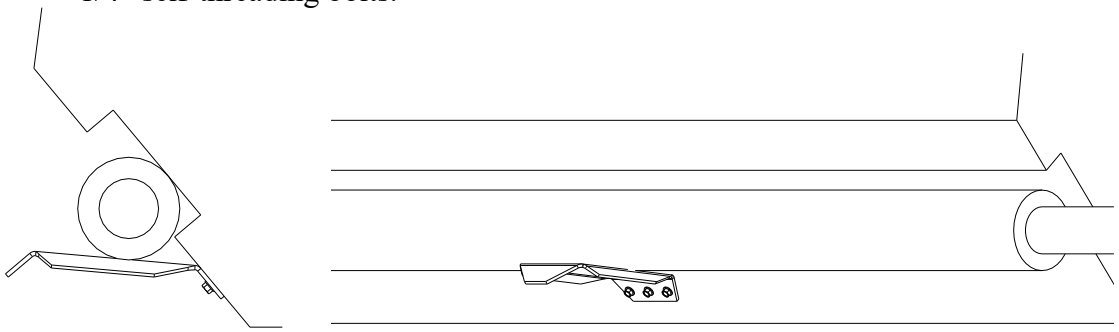
STEP 14: Roll-Tube Support Bracket

Parts you will need:

Roll up Bar Support Bracket (0-1) *3/8"x1-1/4" Self Threading Bolts*

IMPORTANT: *Trailers under25ft do not require a bracket trailers over 25ft get (1) brackets.*

1. Fully open the tarp so it is wound tightly on the side of the box under the sill.
2. Evenly space the bracket(s) along the length of the trailer under the rolled up tarp.
3. Hold the brackets up against the bottom of the rolled up tarp and mark the holes.
4. Roll the tarp closed partially so it will be out of your way for installing the brackets.
5. Make marks ½" higher up than your previous marks.
6. Drill 5/16" holes at your new marks and secure the brackets to the trailer with 3/8"x1-1/4" self-threading bolts.



STEP 15: Installation Adjustments

1. Operate the Side-Kick 2 cover through its full range of motion. The cover should operate smoothly and evenly.
   - When fully open, the tarp should be neatly wound around roll tube and resting on the passenger-side supports on the side-rail of the trailer.
   - When fully closed, the roll tube should tuck under the latch plate on the driver-side of the trailer.
2. If the unit hesitates, binds, or is unable to fully open or close, perform the following inspections:
   - Inspect the pivot assemblies, and swing-arm assemblies for proper alignment. Review the installation steps to correct the alignment.
   - Check the placement of the swing-arm lock collars. Monitor the lock collars as the tarp is deployed or retracted. Adjust the lock collar placement to improve swing-arm function.
3. It may be necessary to increase the spring tension of the spring assemblies, if so go to STEP 16.

STEP 16: Spring Adjustments

The spring assemblies provided in the Side Kick 2 kit are assembled and ready to be installed with a pre-set tension setting used for most standard length side dump trailers. In the event you need to add more spring tension to the spring assembly simply follow the instructions below.
⚠***WARNING*:** The Side Kick 2 cover system operates under extreme spring tension that drives the spring arms. To reduce the possibility of personal injury, the swing arms must be secured before servicing the system.
⚠***WARNING*:** Make sure you have the tarp completely in the closed position. If you try to adjust the springs while the springs have tension applied, serious injury or death may occur.
⚠***WARNING*:** Never operate the tarp system while under obstructions, such as trees or power lines.
⚠***WARNING*:** Always check to make sure that no one is in the immediate are of the tarp as it operates.
⚠***WARNING*:** Keep all clothing clear of moving parts

ⓘ***IMPORTANT*: Initial spring setting location for "In Between The Hoods "is hole #1, which is the pre-set location. Initial spring setting location for "Over the Hoods" is hole #4.**

1. Deploy the tarp in the closed position. Start by adjusting the front spring (White) in the Front Spring Assembly. It may be helpful to unbolt the roll-tube adapter from the roll-tube as you may need to release a small amount of pre-set spring tension still applied to the swing arm.
2. Remove the two ½" hex bolt holding the spring stop assembly to the spring assembly post shaft.

3. While keeping the outside spring stub in the same spring stop assembly notch, pull the spring stop assembly (with the spring) off the pivot post enough to get spring out the roller plate adjustment hole. While holding the spring and the spring stop assembly stationary, pivot the roller plate CLOCKWISE until you can slide the spring stub into the next adjustment hole on the pivot plate. See Figure 16.1

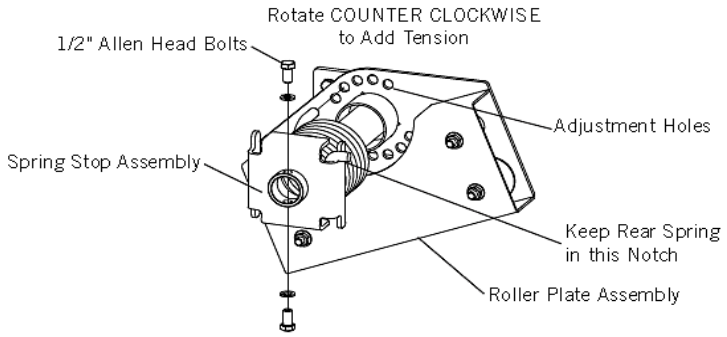


Figure 16.1

4. Insert the two ½" Allen head bolts through the spring assembly into the spring assembly post shaft and tighten.
5. Lift the swing arm back up and bolt the roll-tube on.
6. With the tarp deployed to the full closed position, adjust the rear spring (Black) in the rear spring assembly. It may be helpful to remove the rear swing arm from the roll-tube as you may have to release a small amount of pre-set spring tension still applied to the swing arm. Remove the rear swing arm by loosening and removing the lock collar on the rear roll-tube pipe adapter. See Figure 16.2

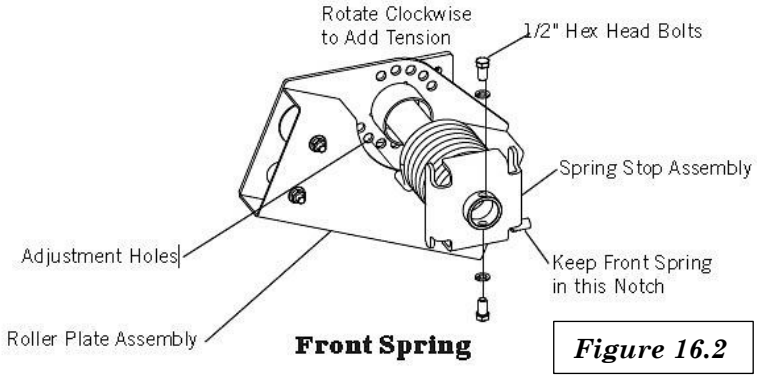


Figure 16.2

7. Remove the two ½" head bolts holding the spring stop assembly to the spring assembly post shaft. See Figure 16.2
8. While keeping the outside spring stub in the same spring stop assembly notch, pull the spring stop assembly (with the spring) off of the pivot post enough to get the spring out of the roller plate adjustment hole. While holding the spring and the spring stop assembly stationary, pivot the roller plate COUNTERCLOCKWISE until you can slide the spring stub into the next hole on the pivot plate.
9. Insert the two Allen head bolts through the spring stop assembly post shaft and tighten.
10. Lift the swing arm back up and bolt the roll-tube back up.

Operation & Maintenance

How to Operate the Tarp System

1. Push "OPEN" on the rocker switch. The tarp should wind onto the roll-up bar until it rests in the passenger-side supports, under the side-rail of the tub.
2. To reverse the tarp operation, push "CLOSE" on the rocker switch. The tarp should deploy and lock under the flange on the driver side.

Safety Considerations

Maintenance recommendations, safety messages, and repair instructions can be found at www.sidekickoperation.com or call 800-535-9545.

ⓘ***IMPORTANT:*** *Be sure to retract the Sidekick cover before dumping cargo. Damage to the cover system, the trailer and/or truck can occur.*

ⓘ***IMPORTANT:*** *Do not leave the switch in the "OPEN" or "CLOSE" position after the tarp has completed its travel. Tripping of the circuit breaker or damage to the motor can occur.*

ⓘ***IMPORTANT:*** *Always have the tarp rolled up open while driving if there is NO load in the trailer. Failure to do so will result in serve premature wear of the tarp.*

⚠***CAUTION:*** *Routinely* inspect tarp and swing arms, *DO NOT operate if parts are worn or damaged. Worn or damaged parts may come loose. Replace all worn or broken parts IMMEDIATELY.*

⚠***CAUTION:*** *If arms are damaged or fail to rotate freely under normal operation. DO NOT operate. Secure any damaged parts until repairs can be made.*

⚠***CAUTION:*** *DO NOT dump while covered. Dumping while covered could cause the side dump trailer to tip over.*

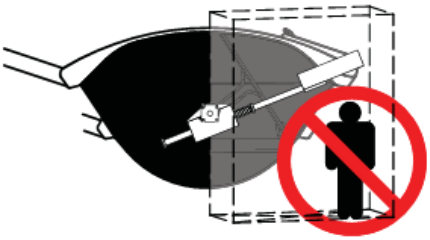
⚠***WARNING:*** *Never operate the tarp system under obstructions, such as trees or power lines.*

⚠***WARNING:*** *The swing arms rotate under extreme spring tension during. Always check to make sure that no one is in the immediate area of the tarp as it operates. Keep everyone clear of the area.*

⚠***WARNING:*** *Make sure that all safety guards are in place before operating the tarp system.*

⚠***WARNING:*** *Keep all clothing clear of moving parts.*

⚠***WARNING:*** *Be sure that your working platform is secure as you work on the truck. Use OSHA approved ladders or scaffolding to work above ground level.*



How to Maintain the Sidekick Cover

Minimal maintenance is required for the Sidekick 2. Individual usage and operating conditions will determine when to check the Sidekick 2 cover. Michel's recommend a weekly inspection of the following items:
Bearings: Pull the shafts from side to side and in and out. If there is excessive play, replace the bearings. Lubricate as often as necessary with penetrating oil. Operating conditions will determine how often to lubricate. Do not use an excessive amount of lubricant.
Springs: Examine springs for breakage.
Screws: Make sure that all mounting bolts and screws are in place and tight and that no parts are worn or damaged.
Electrical Connections: Check all electrical connections and tighten any that have become loose.

***IMPORTANT*:** Replace all worn or broken parts immediately.
Replacement parts may be obtained from the dealer or by contacting Michel's Industries.

This repair bulletin describes a temporary field repair for the Sidekick cover system in the event of a power loss or other failure while the cover is partially deployed.

WARNING: *The Sidekick 2 cover system operates under extreme spring tension to drive the swing arms. To reduce the possibility of personal injury, the swing arms must be secured before servicing the system.*

CAUTION: *Routinely inspect the tarp and swing arms, DO NOT operate if the parts are worn or damaged. Worn or Damaged parts my come loose. Replace all worn or broken parts IMMEDIATELY.*

A. How to Secure the Swing Arms

1. This procedure requires the use of two come-along or power-pull devices. Refer to ***Figure 1***.

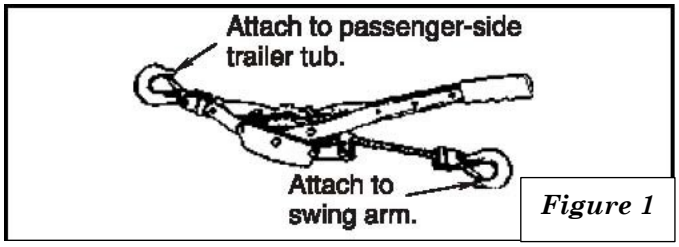
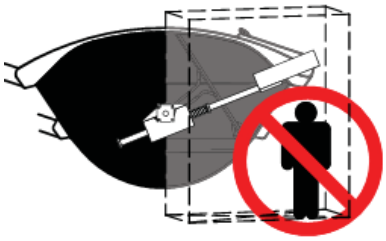


Figure 1

2. Attach one end of a come-along to the front swing arm (A), near the motor housing. Attach the other end of the come-along to the trailer tub on the side the tarp is anchored (B). Refer to ***Figure 2***
3. Attach another come-along between the rear swing arm (C) and tub (D). Refer to ***Figure 2***.
4. Tighten the come-alongs equally until the tarp becomes slack and the swing arms are secure.

ⓘ***IMPORTANT:*** *Both the front and rear swing arms have to be secure.*
ⓘ***IMPORTANT:*** *To safely secure the swing arms, the come-alongs must be attached to the swing arms, NOT the roll-up bar.*



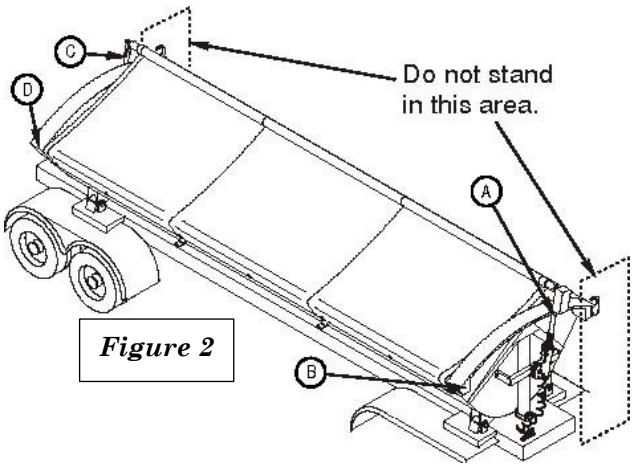


Figure 2

B. How to Disengage the Motor

1. Once the swing arms are secure, remove the 3 hex head cap screws from the roll-tube adapter attached to the front of the roll-tube and slide the front swing arm (with the front roll-tube adapter) out of the front of the roll-tube. Remove the rear swing arm by removing the outside 1-1/4" lock collar from the rear roll-tube adapter and slide the swing arm off the back of the roll-tube.

C. How to complete the Covering Process.

⚠***WARNING:*** *The come-alongs are now retaining the force of the swing arm spring tension. Use great care and make sure you understand how the come-alongs operate before adjusting.*

1. To cover the trailer, slowly and equally adjust the come-alongs until the tarp is no longer rolled up on the roll-tube. The roll-tube should be hanging down on the driver side of the trailer.

⚠ ***WARNING:*** *The tarp must be in the fully covered position before any service/repair work can be performed.*

Michel's Industries Ltd.

All tarp material is subject to repair under warranty and will be pro-rated as listed below. However, if deemed not repairable by Michel's Industries, than Michel's Industries will replace the tarp material as the pro-rated rate as listed below.

WARRANTY ON SIDEKICK TARP MATERIAL

Over the Hood Style
Replacement Material Only-Starts from the date of Original Invoice and graduates at a rate of 10% per month **after** a grace period of 3 months.
Example: Warranty at 6 months would be 30/70 with the Customer paying a 30% of the cost of a new tarp material.

In house & Outside Labor Only: Will be covered for a period of 15 months from original date of Invoice and graduates at a rate of 10% per month after a grace period of 3 months. After 15 months the labor warranty is nil. The warranty is based on a Maximum allotted price of $300.00 per trailer.

Inside the Hoods Style

Replacement Material Only- Starts from the date of the original invoice and graduates at a rate of 10% per month.

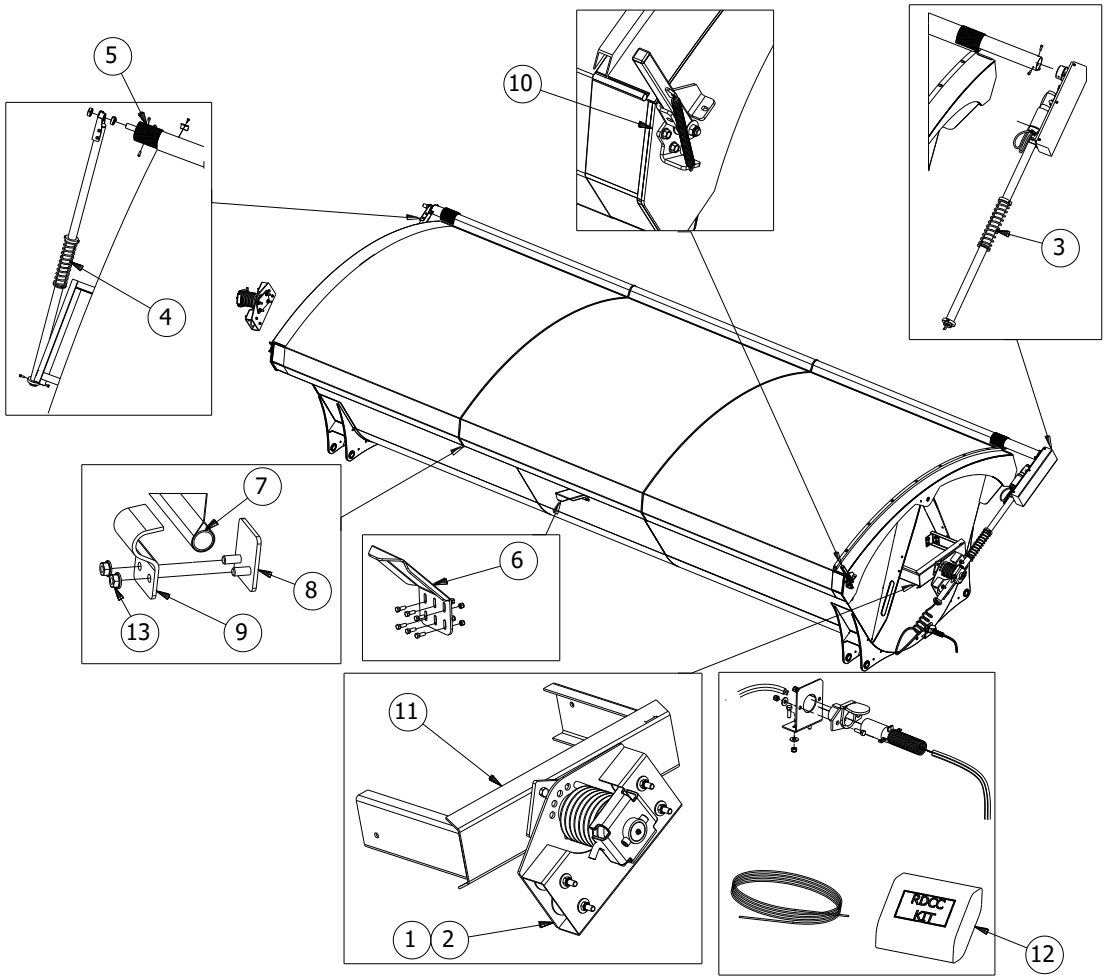
Example: Warranty at 6 months would be 60/40 with the Customer paying 60% of the cost of a new tarp material.

In house & Outside labor only: Will be covered for a period of 10 months from original date of Invoice and graduates at a rate of 10% per month. After 10 months the labor warranty is nil. The warranty is based on a Maximum allotted price of $300.00 per trailer.

Warranty is void if the tarp material has been cut from any sharp objects contained in the load!!

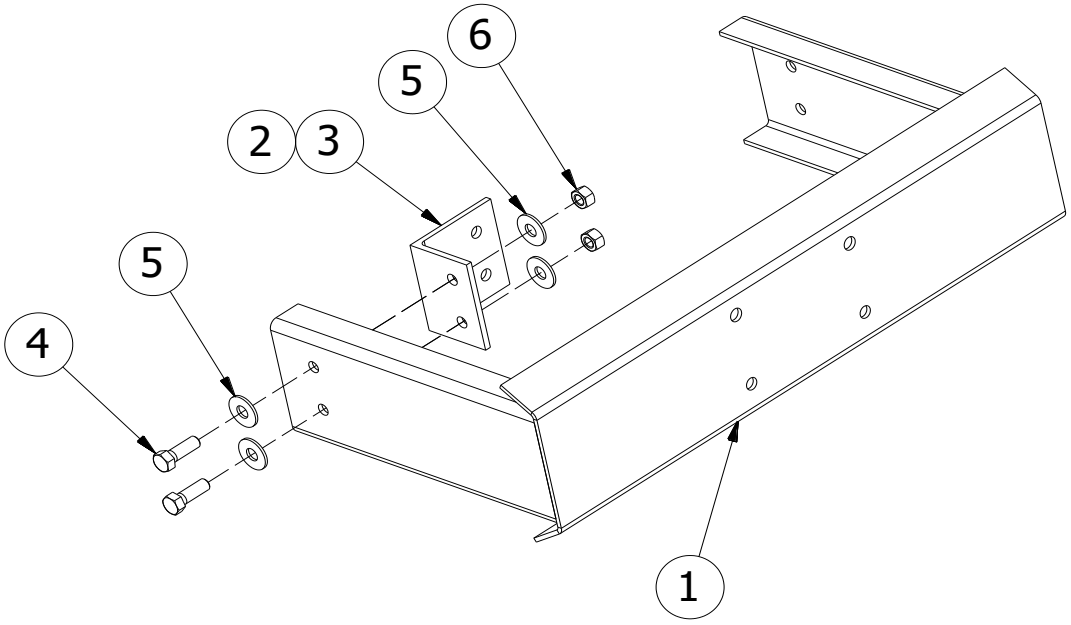
Michel's Industries warrants the parts for a period of one year from date of purchase. Any parts returned to Michel's Industries must be prepaid by the Customer. If warranty is approved by Michel's Industries will prepay the freight to the Customer.

All warranty must be approved by Michel's Industries prior to warranty work done by an approved warranty depot. We reserve the right to make improvement, therefore specifications are subject to change without notice.



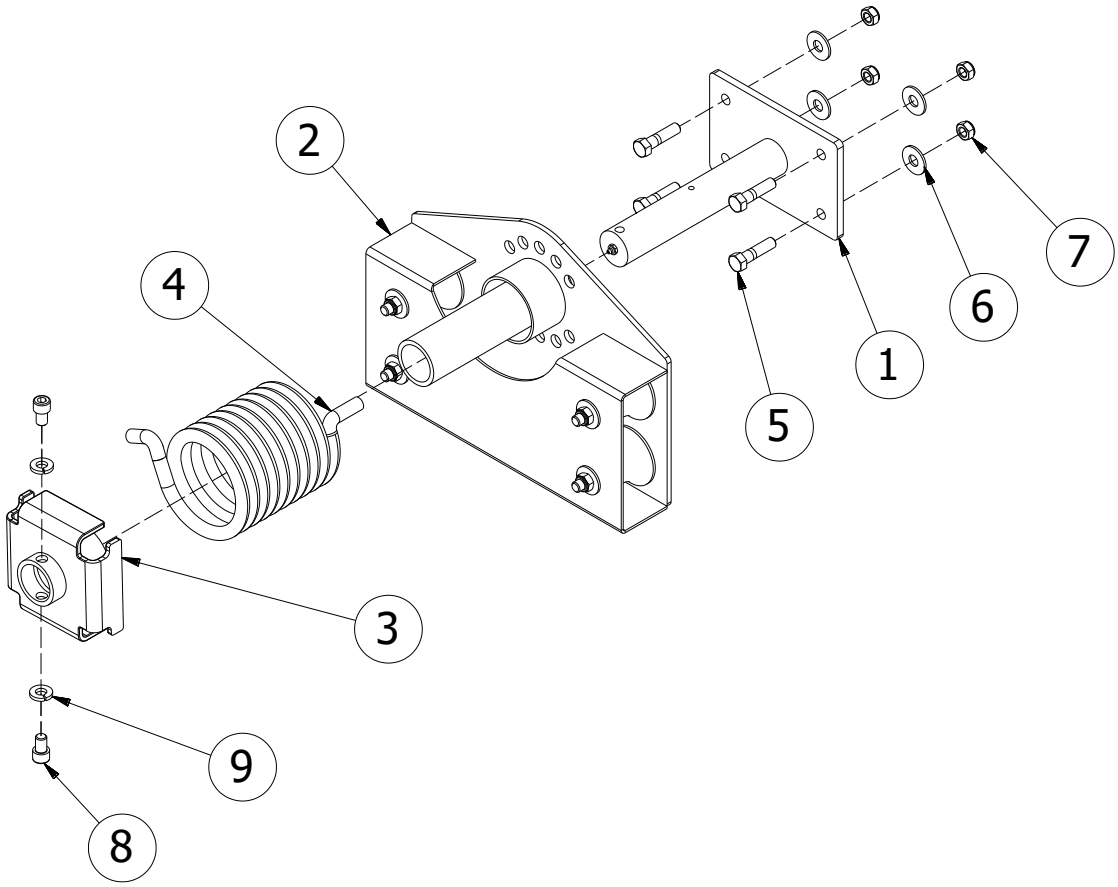
Complete Assembly

REF	PART#	DESCRIPTION	QTY	PAGE
1	1000-006100	Spring Mount Assembly Front	1	31
2	1000-006109	Spring Mount Assembly Rear	1	33
3	1000-004101	Front Swing Arm Assembly	1	34
4	1000-003102	Rear Swing Arm Assembly	1	35
5	----------	Roll Tube Assembly	1	------
6	1000-001007	Tarp Cradle	1	------
7	0150-001008	Fixed Tube	1	------
8	1000-005001	Quick Release Clamp Weldment	1	------
9	1000-005002	Quick Release Clamp	1	------
10	1000-005005	Flip up Tarp Stop	1	36
11	----------	Swing Arm Mounting Hardware	----	30
12	----------	Electrical Hardware	----	37
13	0100-001301	5/16-18 Flange Nut	1	------



Swing Arm Mount Hardware

REF	PART#	DESCRIPTION	QTY
1	1000-006101	Swing Arm Mounting Bracket	1
2	1000-006016	Mounting Bracket - RH	1
3	1000-006016	Mounting Bracket - LH	1
4	0105-000404	1/2-13 x 1 1/2 Hex Bolt GR2	4
5	0101-001004	1/2 Flat Washer	8
6	0100-001004	1/2 -13 NYLOCK Hex Nut	4

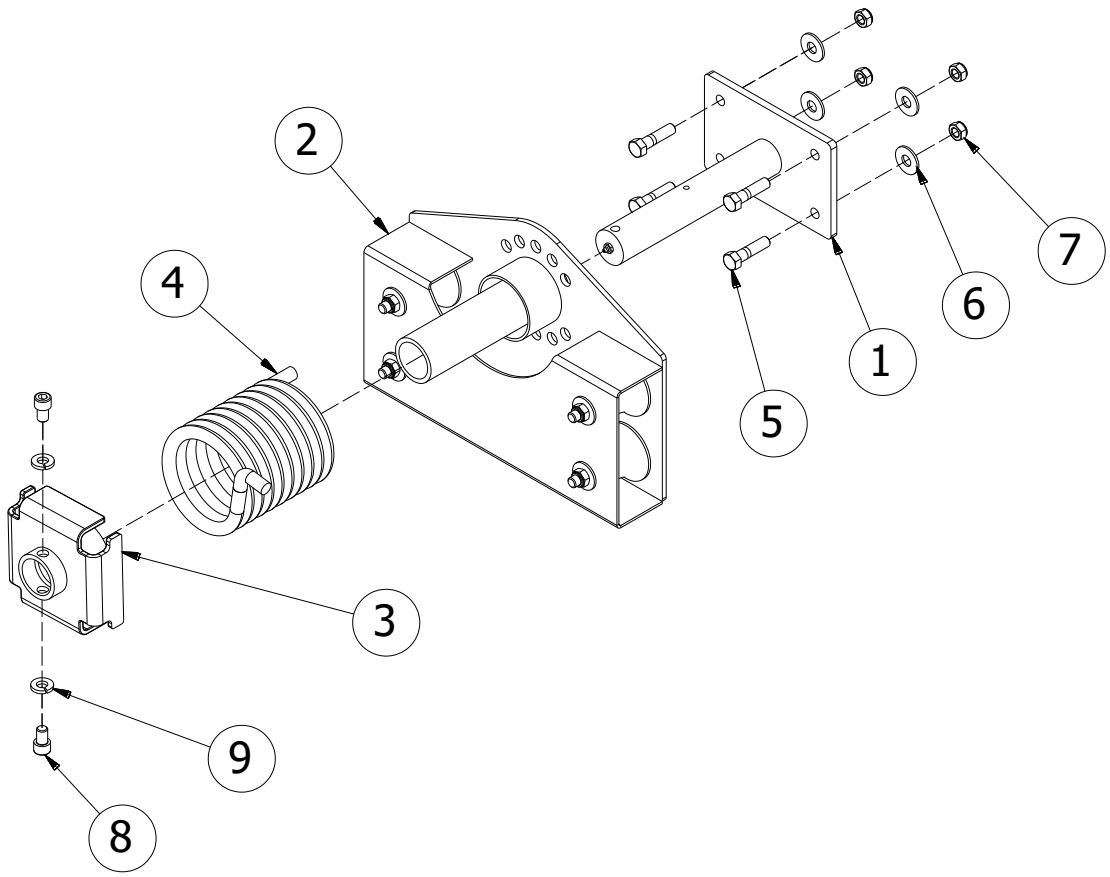


Spring Mount Assembly Front

REF	PART#	DESCRIPTION	QTY
1	1000-006102	Spring Mount Post	1
2	1000-006103	Roller Plate Assembly	1
3	1000-006104	Spring Stop Assembly	1
4	1000-006108	SK2 Hub Spring LH	1
5	0105-000406	1/2-13 x 2 Hex Bolt	4
6	0101-001004	1/2 Flat Washer	4
7	0100-001104	1/2-13 NYLOCK Hex Jam Nut	4
8	0105-009416	1/2-13 x 3/4 SHCS	2
9	0101-001205	1/2 Lock washer	2
1-9	1000-006100	Spring Mount Assembly Front	1

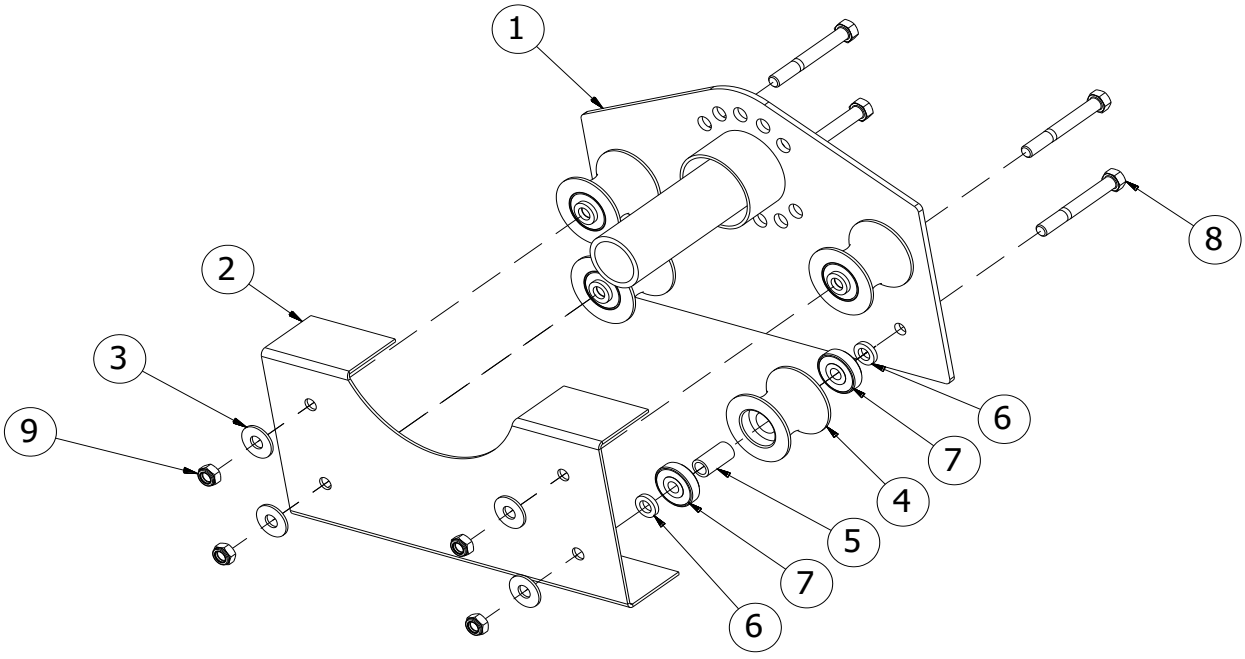
Spring Mount Assembly Rear

REF	PART#	DESCRIPTION	QTY
1	1000-006102	Spring Mount Post	1
2	1000-006103	Roller Plate Assembly	1
3	1000-006104	Spring Stop Assembly	1
4	1000-006107	SK2 Hub Spring RH	1
5	0105-000406	1/2-13 x 2 Hex Bolt	4
6	0101-001004	1/2 Flat Washer	4
7	0100-001104	1/2-13 NYLOCK Hex Jam Nut	4
8	0105-009416	1/2-13 x 3/4 SHCS	2
9	0101-001205	1/2 Lock washer	2
1-9	1000-006109	Spring Mount Assembly Rear	1



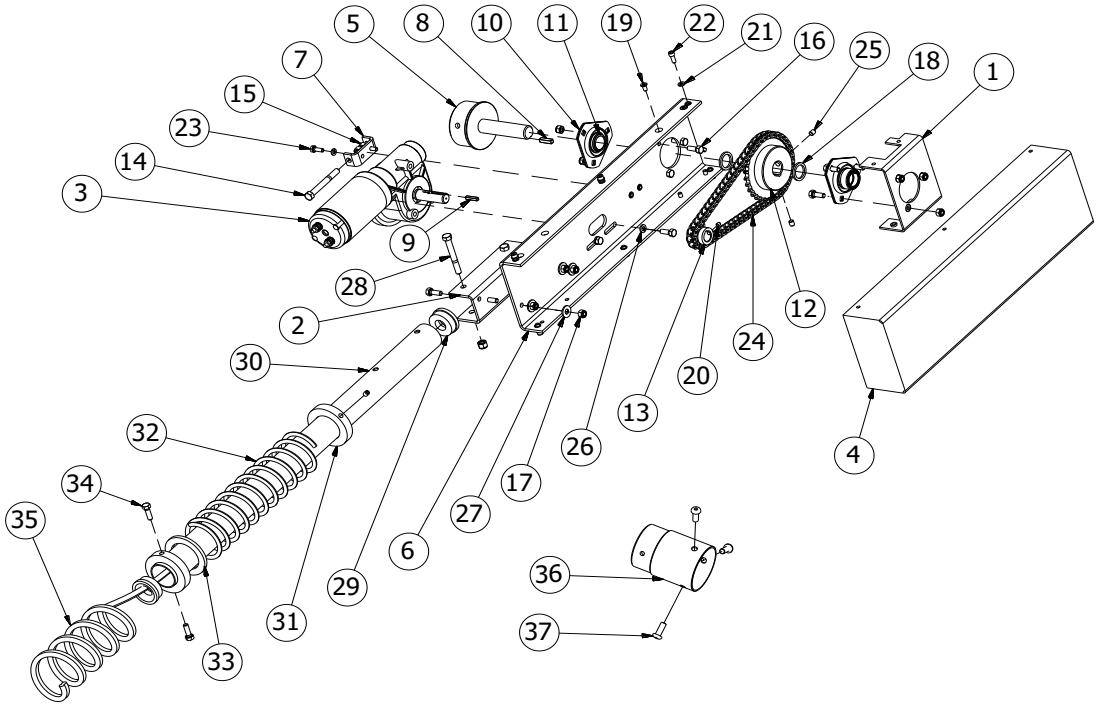
Roller Plate Assembly

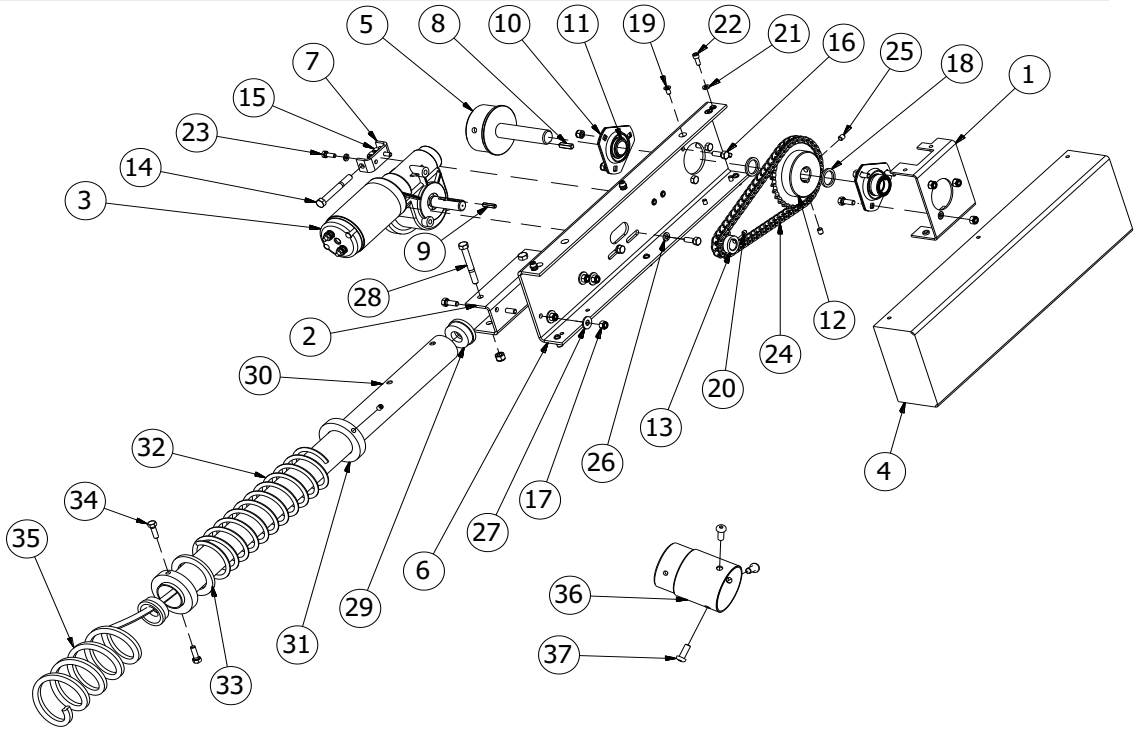
REF	PART#	DESCRIPTION	QTY
1	1000-006105	Swivel Collar assembly	1
2	1000-006106	Roller Plate	1
3	0101-001004	1/2 Flat Washer	4
4	1000-006012	Roller Radius	4
5	1000-006013	Roller Spacer	4
6	1000-006010	Steel Washer	8
7	1000-006011	Bearing 0.5" ID x 1.575" OD	8
8	0105-000415	1/2-13 x 4 Hex Bolt	4
9	0100-001104	1/2-13 NYLOCK Hex Jam Nut	4
1-9	1000-006103	Roller Plate Assembly	1



SIDE KICK 2 Front Swing Arm and Motor Drive Assembly With #50 Chain Drive

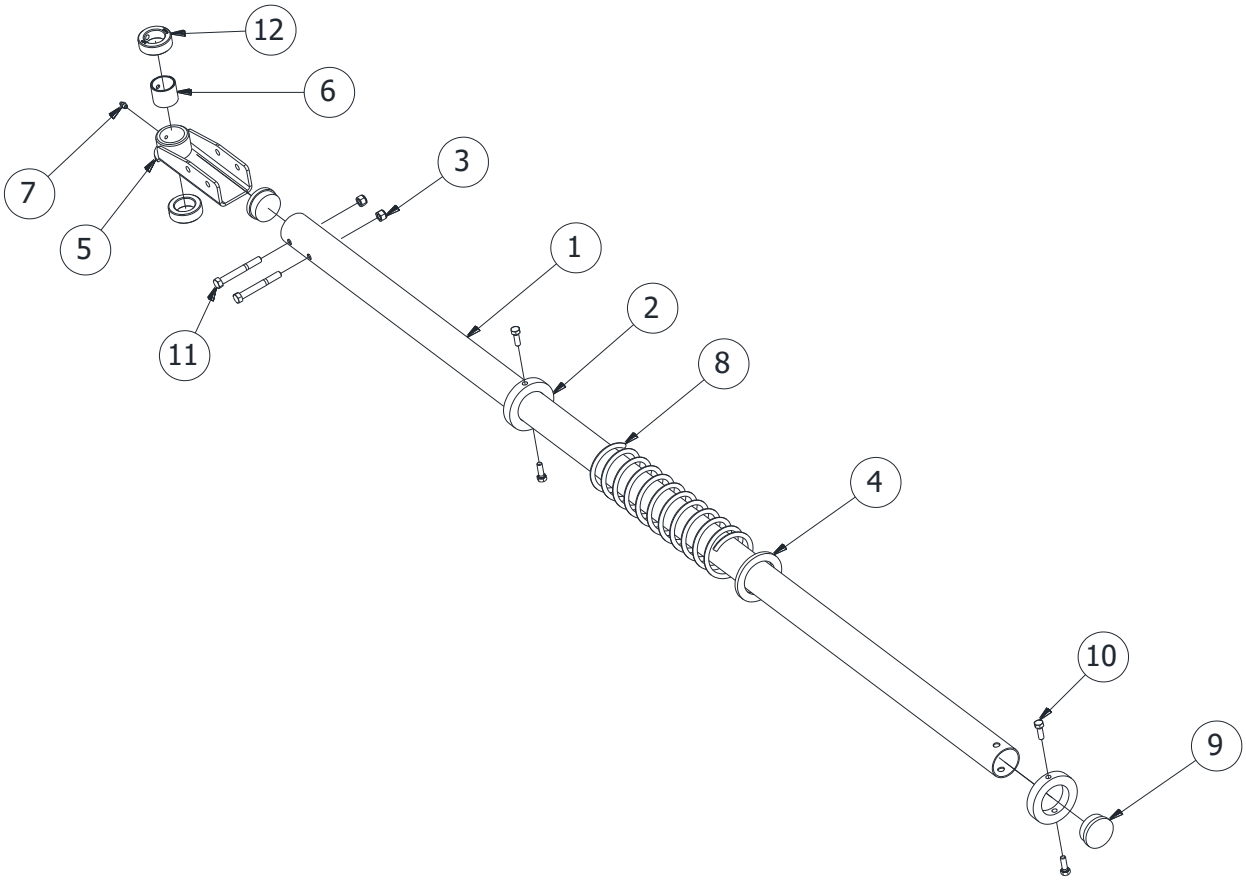
REF	PART#	DESCRIPTION	QTY
1	1000-004104	Bearing Mount Assembly	1
2	1000-003106	Swing Arm Extension Bracket	1
3	0145-910106	Super Tork Motor 90:1 Ratio 12 V Short Keyed Shaft	1
4	1000-004105	Drive Unit Cover	1
5	1000-001100	Roll Pipe Adapter	1
6	1000-004103	Drive Mount Channel Assembly	1
7	1000-003107	Chain Tension Bracket	1
8	0110-000028	Key 1/4" x 1"	1
9	0110-000027	Key 3/16" x 1"	1
10	0115-001005	PFT - 52MM3 Flangette Plated	2
11	0115-000006	Bearing SA205-16	2
12	1000-003114	Sprocket 30 Tooth 1" Bore for # 50 Chain	1
13	1000-003115	Sprocket 10 Tooth 3/4" Bore for # 50 Chain	1
14	0105-008219	3/8"-16 x 5" Flat Head Slotted Cap Screw	1
15	0100-001002	3/8 Nylok	1
16	0105-000123	5/16"-18 x 7/8" GR5 Hex Cap Screw	6
17	0100-001101	5/16" Nylok	6
18	1000-003112	Nylon Bushing	2
19	0105-008402	1/4"-20 x 1/2" - Flat Head Cap Screw - 18.8 Stainless Steel	6
20	0104-000001	1/4" x 1/4" Hex Head Set Screw	2





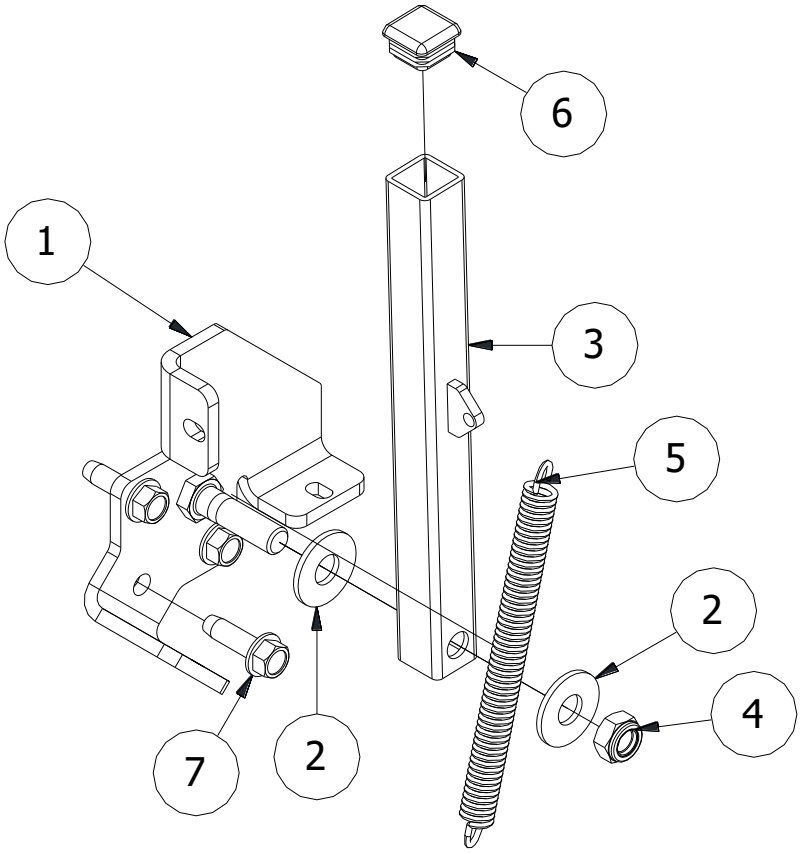
Front Swing Arm and Motor Drive Assembly

REF	PART#	DESCRIPTION	QTY
21	0101-001200	1/4" Lock washer	8
22	0105-000033	1/4-20 x 5/8 SHCS	6
23	0105-000002	1/4" x3/4" Hex Bolt	2
24	0116-002007	#50 Hydro Roller Chain connector	1
25	0104-000101	5/16-18 x 0.375 Hexagon Socket Set Screw	4
26	0101-001201	5/16" Lock Washer	3
27	0101-001001	5/16" USS Flat Washer	4
28	0105-000210	3/8" x 3" NC Hex Bolt	2
29	1000-003014	Swing Arm Tube Plug	2
30	1000-003001	Steel Tube 2" OD x 5' Lg	1
31	1000-003002	Collar Lock swing Arm	2
32	1000-003004	Compression Spring	1
33	1000-003003	2" Washer for Compression Spring	1
34	0105-000102	5/16" x 1" NC Hex Bolt	2
35	1000-002008	Flex Cord Motor to Plug	1
1-35	1000-004101	Front Swing Arm Assembly #50 Chain	1
36	1000-003102	Motor Unit Conversion Adapter	1
37	0105-009225	3/8-24 - 1" Hex Socket Button Head Cap Screw	6
1-28 + 36-37	1000-002017	Side Kick to Side Kick II Conversion Kit c/w #50 Chain	1



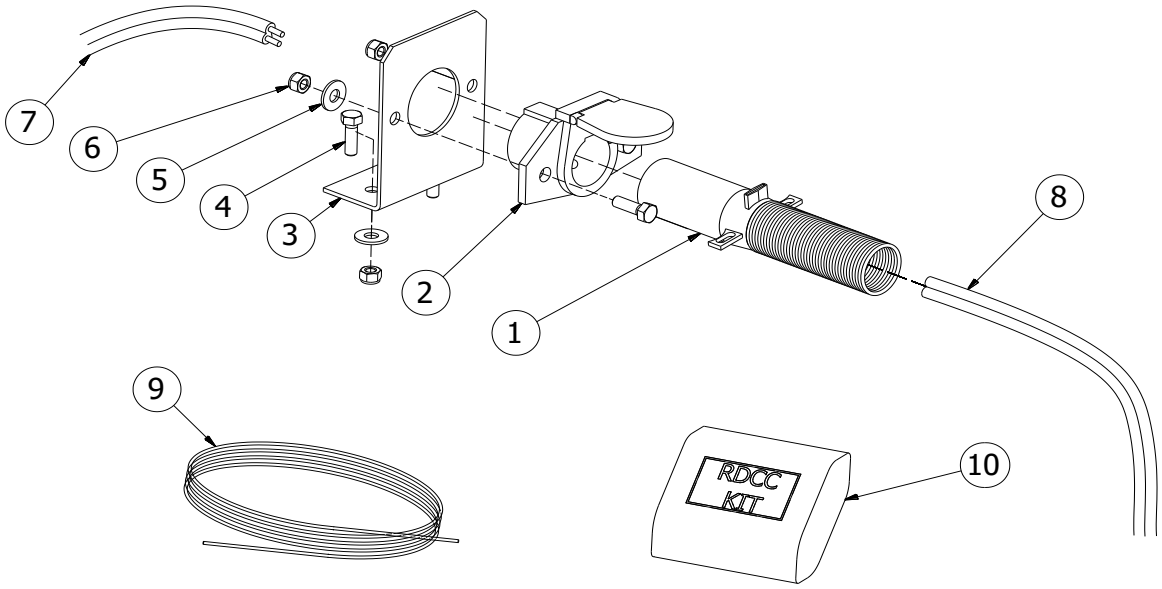
Rear Swing Arm and Motor Drive Assembly

REF	PART#	DESCRIPTION	QTY
1	1000-003100	Steel Tube 2" OD x 68" Lg	1
2	1000-003002	Collar Lock swing Arm	2
3	0100-001102	3/8-16 NYLOCK Hex Nut	2
4	1000-003003	2" Washer for Compression Spring	1
5	1000-003005	Motor Mount Bracket Assy	1
6	1000-003005A	Bronze Bushing	1
7	1000-003005B	Zerk 1/4-28 Straight	1
8	1000-003004	Compression Spring	1
9	1000-003013	Swing Arm Tube Plug	2
10	0105-000102	5/16" x 1" NC Hex Bolt	2
11	0105-000210	3/8" x 3" NC Hex Bolt	2
1-11	1000-003102	Rear Swing Arm Assembly	1
12	1000-001004	Collar Shaft 1 1/4" ID	2



Flip Up Tarp Stop Assembly

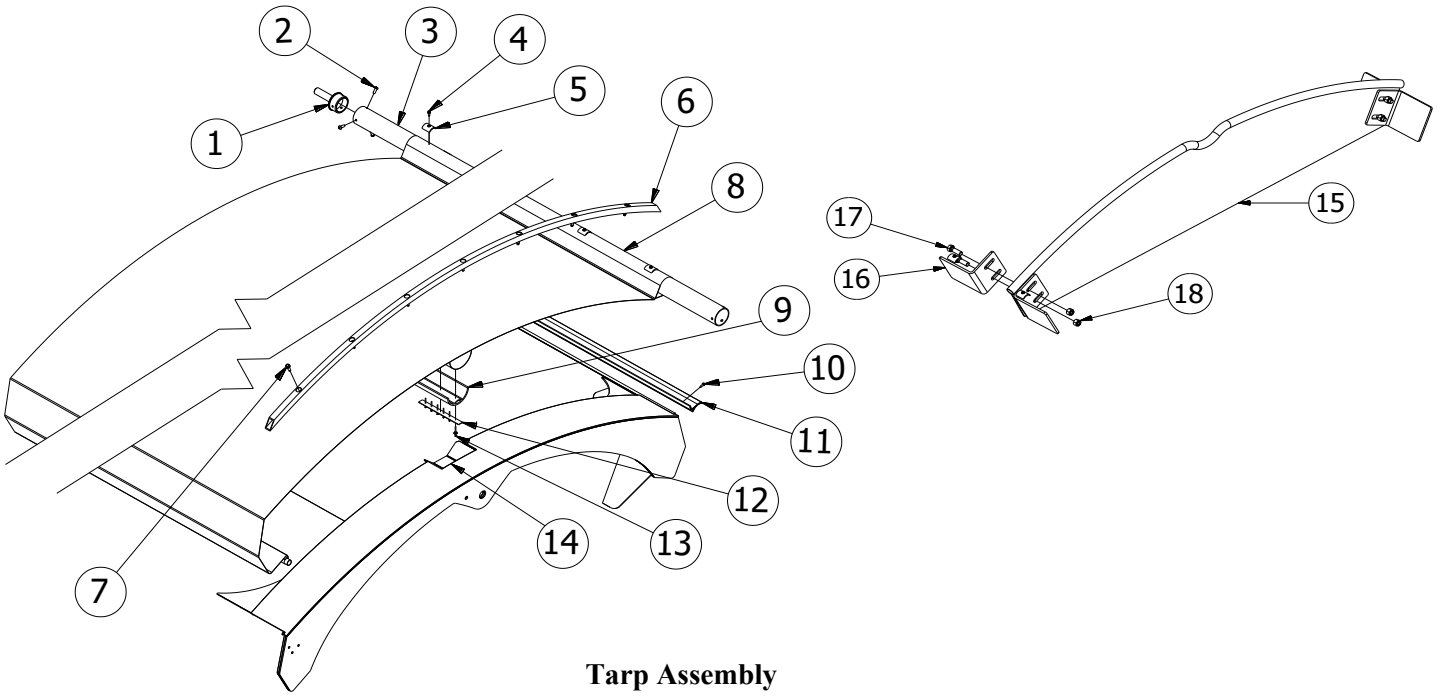
REF	PART#	DESCRIPTION	QTY
1	1000-005005A	Mount Plate	1
2	0101-001004	1/2 Flat Washer	2
3	1000-005005D	Flip Up Tarp Stop Post	1
4	0100-001104	1/2-13 NYLOCK Hex Jam Nut	1
5	0117-004000	Extension Spring 11/16" x 4-3/4"	1
6	0113-000001	1" Ribbed Sq. Tubing Cap	1
7	0106-000016	3/8" x 1-1/4" Thread Cutting Bolt	3
1-7	1000-005005	Flip up Tarp Stop	1



Electrical Hardware

REF	PART#	DESCRIPTION	QTY
1	0145-200013	Vertical Plug 2 Pole with Crimp Terminal 4/6 Ga Wire	1
2	0145-200014	Vertical Socket & R. Boot -2 Pole with Red Door 4/6 Ga Wire	1
3	1001-860165	Socket Mounting Bracket	1
4	0105-000102	5/16" x 1" NC Hex Bolt	4
5	0101-001001	5/16" USS Flat Washer	4
6	0100-001101	3/8-16 NYLOCK Hex Nut	4
7	1000-002008	Flex Cord Motor to Plug	1
8	0145-100030	T - #4 Parallel/Double Strand Booster Cable Wire	1
9	0145-120015	#6 Wire (20')	1
10	0145-400015	Rocker Switch & HD Relay Kit 50 Amp12 Volt	1

Side Kick 2™



Tarp Assembly

REF	PART#	DESCRIPTION	QTY
1	1000-001003	Rear Roll Up Bar Adaptor	1
2	0105-009225	3/8-16 -1" Button Head Cap Screw	6
3	1000-001006	Roll-Up Bar	1
4	0106-000002	#8x1" Philips Wafer Take Self Tapping Screw	10
5	0113-000036	Tarp Clamp	10
6	0001-016001	Wind Deflector (Midland/Doepker's)	1
6	0001-16004	Arne's Wind Deflector	1
7	0106-000016	3/8" x 1-1/4" Self Threading Bolt	7
8	SK-VO	22 oz. Vinyl Fabric For Over The Haad Application	1
8	SK-VB	22 oz. Vinyl Fabric For BET'n The Hood Application	1
8	SK-SMB	Super Mesh Fabric For Bet'n The Hood Application	1.
8	SK-SMO	Super Mesh Fabric For Over The Hood Application	1
9	0151-900009	Aluminum Center U - 21' 4"	1
9	0151-900007	Aluminum Center U - 16' 6" (Midland 16' 4")	1
10	0106-000005	1/4" x 1" Lag Screw	1/Ft
11	0151-900003A	Maximizer Aluminum Flange	1
12	1000-004005	10.5" x 1" Aluminum Strip for Center U	2
13	0103-000009	3/16"x 9/16" Pop Rivet Button Head	12
14	0001-016002	Side Dump Hood Trough	2
15	1000-004004	Std Cenetr Bow 1/4" Plate & Pipe	1
16	0001-060012	Center Bow Mounting Bracket	1
17	0105-000607	3/4"-10x2-1/4" Hex Cap Screw	4
18	0100-001106	3/4" Nyloks Plated	4