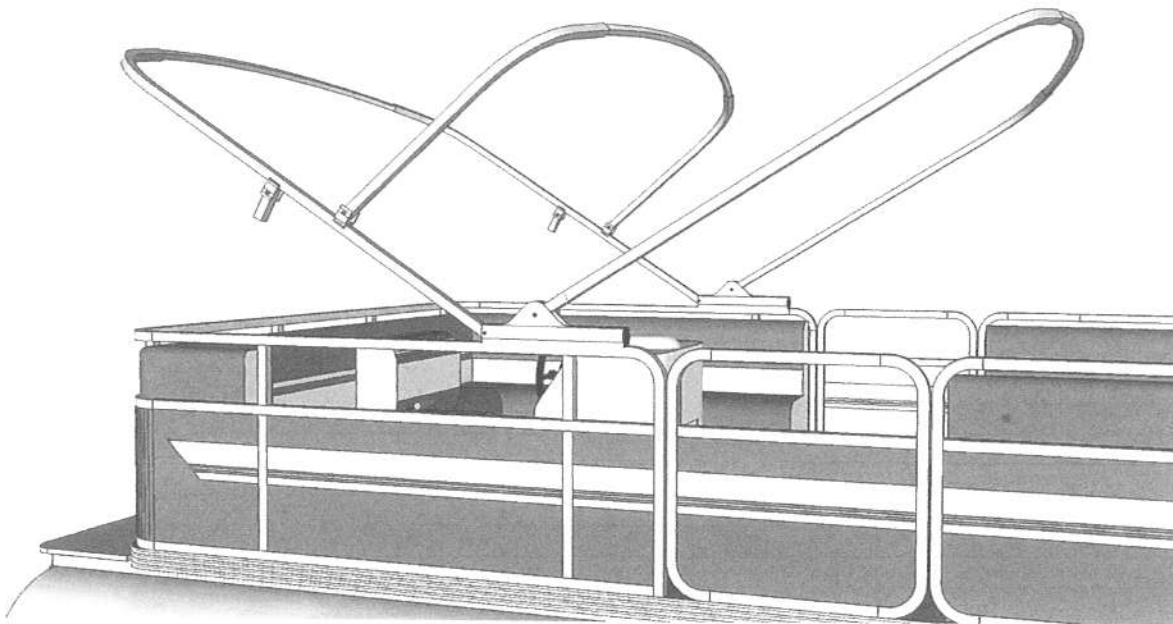


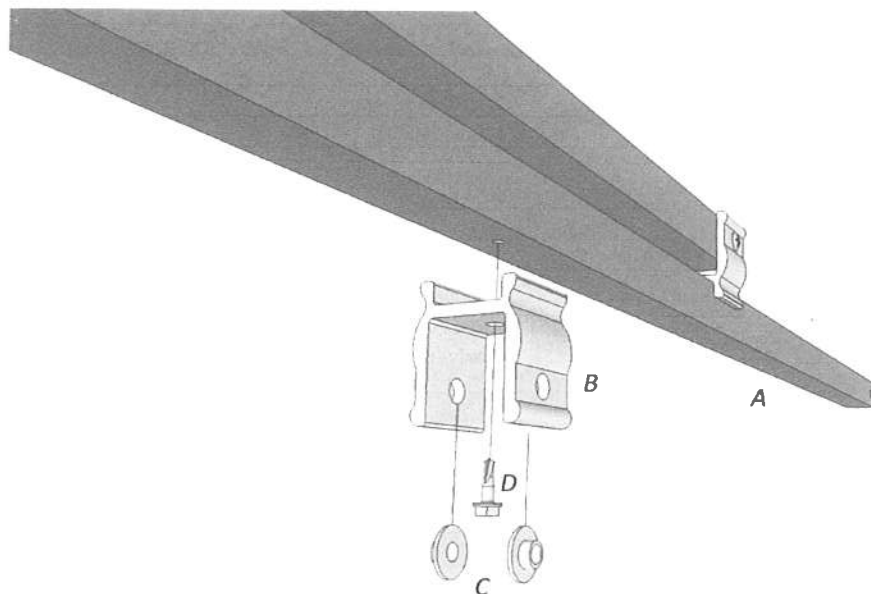
INSTALLATION & OPERATING INSTRUCTIONS



SCHWINTEK

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Visit PWR-ARM.COM to view a step by step installation video or visit the PWR-ARM YouTube Channel



STEP #1 – H-Bracket

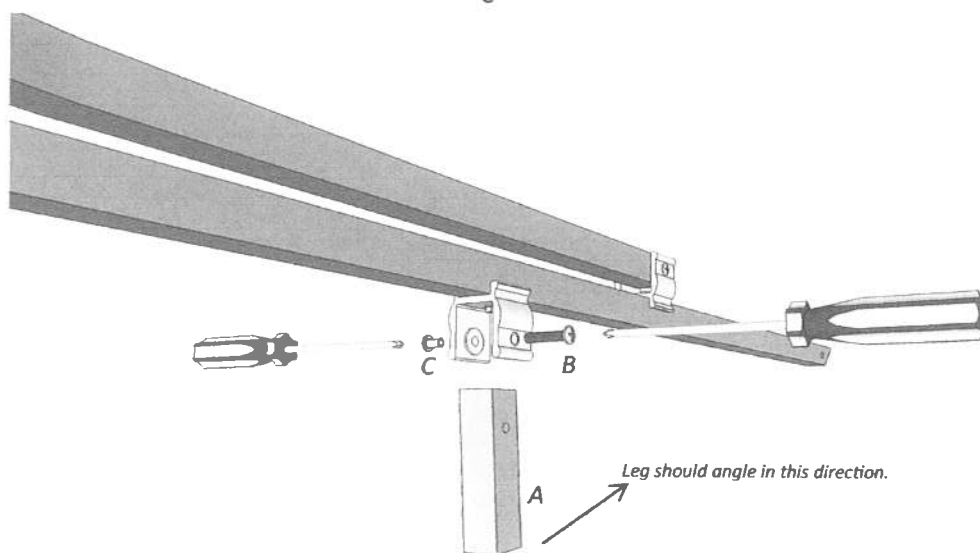
Tools Required:

1. Electric Drill
2. 3/8" Nut Driver

Parts Required:

- A. Rear Strut Assembly
- B. H-Bracket
- C. Nylon Bushing
- D. Self Tapping Screw

Align predrilled hole in H-Bracket (B) with predrilled hole in Rear Strut Assembly (A). Use an electric drill with a 3/8" nut-driver bit and the included 5/16" Self Tapping Screw (D) to fasten the assembly. Install both Nylon Bushings (C) in to the predrilled holes in H-Bracket as shown.



STEP #2 – Stand-off

Tools Required:

1. (2) Phillips Screwdrivers

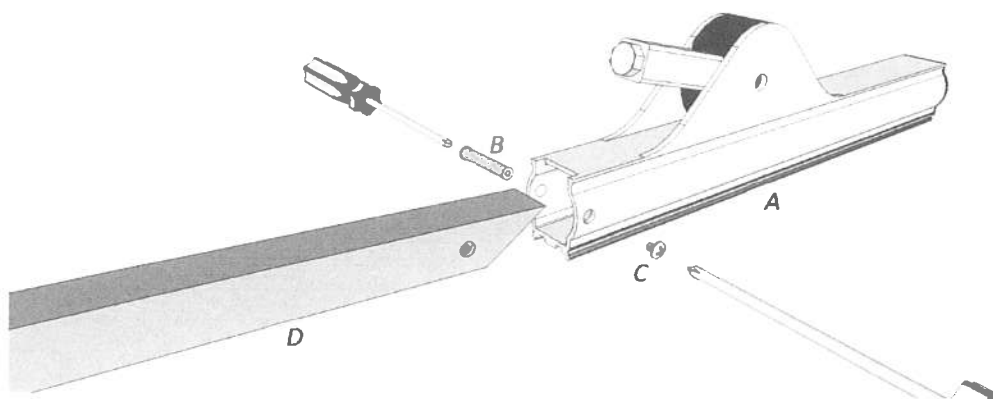
Parts Required:

- A. Stand-off Leg
- B. ¼"x 1-1/2" Phillips Screw
- C. ¼" Phillips Nut

Align predrilled holes in Stand-off Leg (A) with holes in the already installed Nylon Bushings.

NOTE: Standoff Leg has a slight miter that should angle towards the mitered end of the rear strut assembly.

Next, Align Phillips Screw (B) with Phillips Nut (C) and tighten using two Phillips Screwdrivers.



STEP #3 – Actuator

Tools Required:

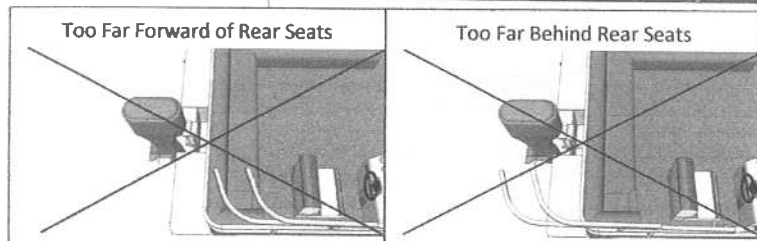
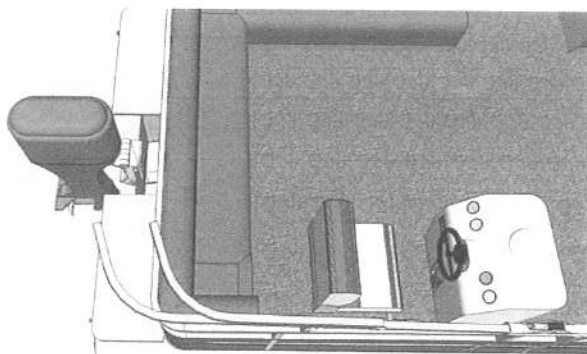
1. (2) Phillips Screwdrivers

Parts Required:

- A. Actuator
- B. Phillips Head Pin
- C. #10 x 1/4" Phillips Screw

Align predrilled holes in the now fully assembled Rear Strut Assembly (D) with the Predrilled holes in the Actuator Assembly (A). Next, Align Phillips Pin (B) with Phillips Screw (C) and tighten using two Phillips Screwdrivers.

REPEAT STEPS 1-3 FOR THE SECOND ASSEMBLY



STEP #4 - Locate Right

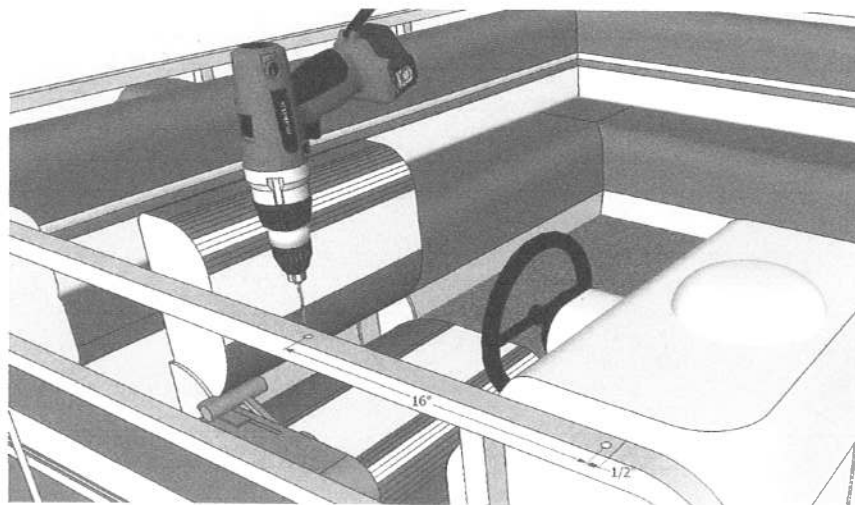
Tools Required:

1. Pencil

Parts Required:

- B. Rear Strut/Actuator Assembly

Locate the first Rear Strut/Actuator Assembly on to the boat. Proper position is generally determined by locating the assembly so that when the top is down, the struts are just behind the rear seats. Too far forward and the top will interfere with rear seating; while too far aft will provide less shade to the front of the boat. When properly position, use a pencil and trace a line across the front of the actuator.



STEP #5- Drill Holes

Tools Required:

1. Electric Drill
2. 3/8" Drill Bit
3. Tape Measure

Parts Required:

- A. None

Put a tape measure on the pencil line made in the previous step. Measure back 1/2" and 16-1/2" and make marks. Use a drill with a 3/8" bit to drill both holes in the center of the rail. These holes need to go all of the way through the side rail tube. *Caution: Some boats have wire run thru this tube, drill half way and make sure you are clear of any wires.*

STEP #6 – Run Wire

At this time you will need to run the wire from the actuator to the helm. Each boat is different, so the best way will be determined by you. Here are a few options to help you decide.

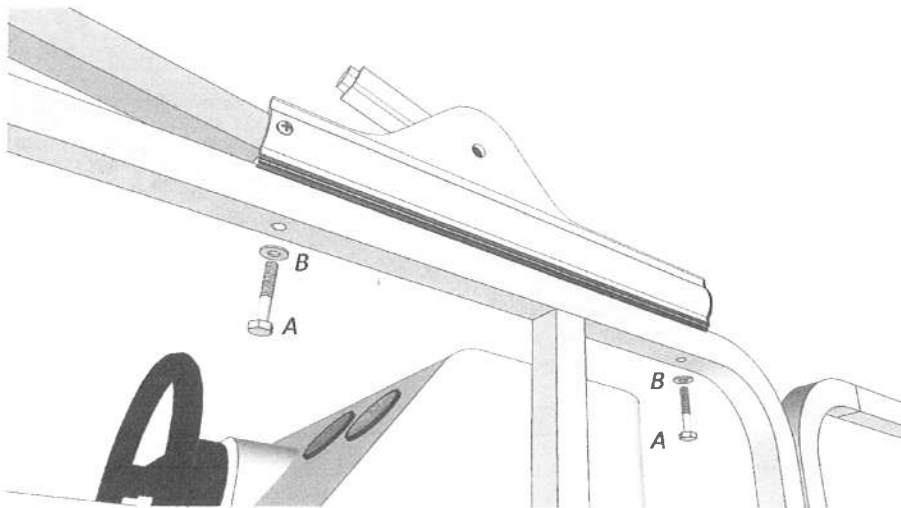
- 1) Inside the boat's railing
- 2) Along the bottom side of the boat's railing
- 3) Along the top or side of the boat's railing

Options 1 and 2

Drill a third hole in the top of the boat's side rail to accept the actuator wire. For Option 1 this new hole will be drilled half way thru the rail, with Option 2 this hole will be drilled all of the way thru the boat's rail. Locate this new hole by looking at the where the wire exits the actuator and then transfer this location to the boat's side rail and drill the hole. For Option 1, snake the wire thru the inside of the side rail until it exits under the boat. From this point, run the wire to the underside of the helm and fish it up into the helm. For Option 2, run the wire under the top rail using *fastener-mount zip ties* (not included) to support the wire, direct entry to the helm from the top rail is normally possible.

Option 3

Bolt Down the actuator as shown in Step 7. Use *fastener-mount zip ties* (not included) to run the wire along the top or side of the boats railing and in to the helm.



STEP #7 – Bolt Down

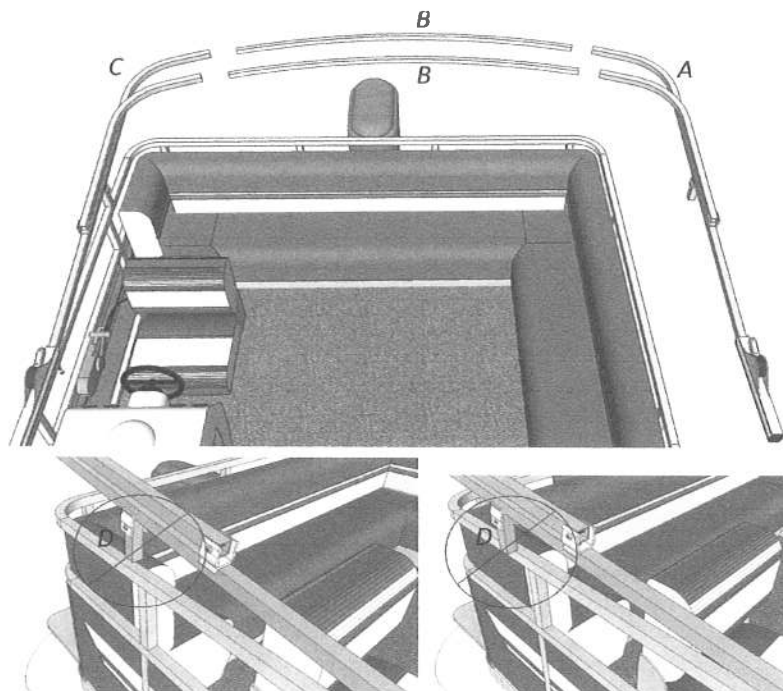
Tools Required:

1. 1/2" Wrench

Parts Required:

- 5/16" x 1-3/4" Bolt
- 5/16" Flat Washer

Assemble Flat Washer (B) with Bolt (A). Then, using a 1/2" wrench, fasten down Strut/Actuator Assembly (C) to side rail.



STEP #8 – Locate Left

Tools Required:

1. Pencil

Parts Required:

- Rear Strut/Actuator Assembly
- Center Bow

Begin by inserting Center Bows (B) in to the already mounted Actuator Assembly (C), about an inch for now. Next, insert the Center Bows (B) in to the other Actuator Assembly (A) until the Bimini width matches the boat's railing width. Now, move Assembly (A) forward and aft until the Standoff Legs (D) are centered on side rails. Mark the position and repeat Steps 5-7.

STEP #9 - Wire Switch

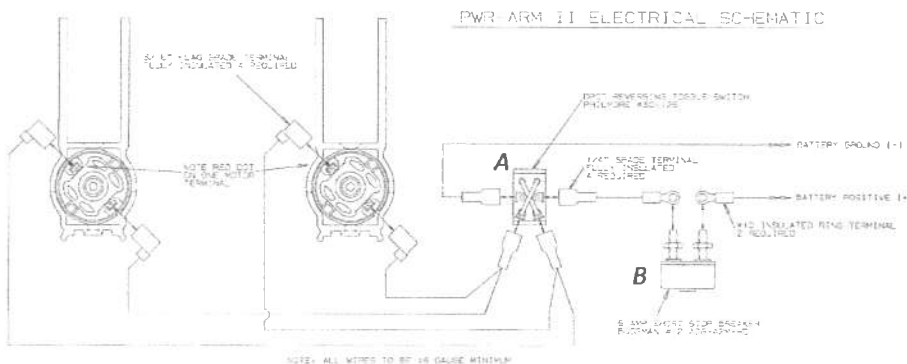
Tools Required:

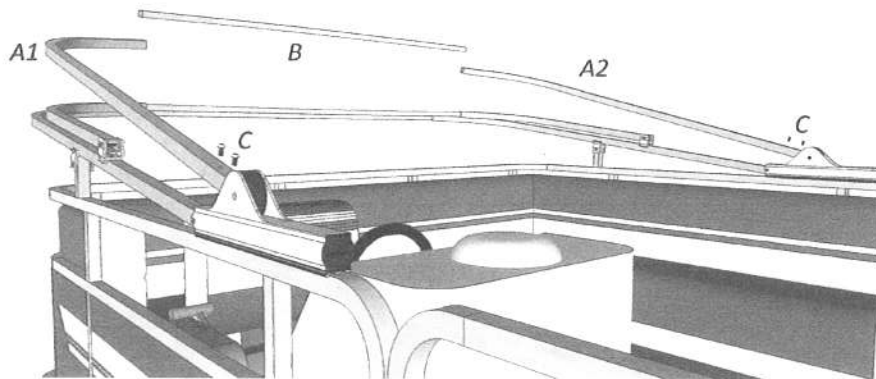
1. Wire Cutter/Stripper
2. Wire Crimper
3. 1/2" Drill Bit and Drill

Parts Required:

- Control Switch
- Breaker
- Wire Terminals

Locate where on the helm you want the control switch and drill 1/2" hole. Trim excess wire length and connect the white wire from each actuator to one side of the switch (A) and the black wires to the other side of the switch (A). Connect positive and negative battery leads and breaker (B) as shown using excess wire trimmed earlier.





CAUTION: DO NOT POWER ACTUTORS TO FULL OPEN POSITION WITHOUT CANVAS INSTALLED! DAMAGE CAN RESULT.

STEP #10 – Final Strut

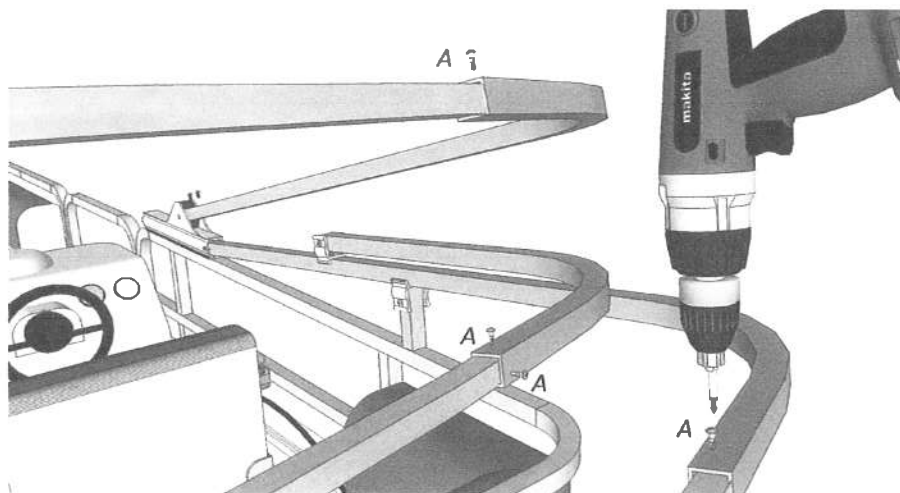
Tools Required:

1. 5/32" Allen Wrench

Parts Required:

- A. Front Struts
- B. Center Bow
- C. 1/4" Allen Cap Screws

Slide the first Front Strut (A1) over actuator receiver handle. Insert Center Bow (B). Insert second Front Strut (A2) over Center Bow (B) and then over actuator receiver handle. Secure both Front Struts using 1/4" Allen Cap Screws (C), tighten with 5/32" Allen Wrench.



STEP #11 – Final Ass'y

Tools Required:

1. Electric Drill
2. Phillips Drill Bit

Parts Required:

- A. #10 x 3/4" Self Drilling Phillips Screw

Use an electric drill and the #10 Self Drilling Phillips Screws (A) to fasten all struts together. Note that the middle strut assembly gets 2 screws as shown. Repeat this process for both sides.

Complete the installation by attaching the canvas to the completed framework. The canvas end with the notch goes on to the rear strut.

PWR-ARM II - PROPER OPERATION

OPEN POSITION

1. Remove protective boot from around fabric
2. Push and hold the toggle switch until top fully opens
3. Continue to hold toggle switch to fully tighten canvas
4. Release toggle switch

WARNING – Never attempt to operate the PWR-ARM while the boat is in motion or in high wind conditions. Never exceed 25 MPH without the Boot properly installed. Never park or trailer the boat with the PWR-ARM in the open position.

RADAR POSITION

1. Verify protective boot is fully zipped around PWR-ARM fabric and struts
2. Push and hold the toggle switch until motion stops
3. Continue to hold toggle switch to fully tighten boot – this will make the radar position much more rigid.
4. Release toggle switch

Caution - Never attempt to remove the boot with the top in the radar position. First, lower the top, and then remove the boot.

FULL DOWN POSITION

1. Push and hold the toggle switch until the down motion stops
2. Release toggle switch
3. Install and zipper protective boot around PWR-ARM fabric and struts

Warning – The PWR-ARM is capable of a tremendous amount of force and it can cause serious injury if not properly operated. ALWAYS be sure that ALL occupants are clear of top while in motion

Notice – Always keep the PWR-ARM in the Full Down position with the boot installed when not in boat.