

Motorized Shade with Housing and Cables Installation Instructions

Tools Needed	Hardware Provided (per shade)	Hardware Needed
Drill 3/8" Metal Drill Bit Measuring Tape Pencil 4" Level Plumb Line 1/4" Masonry Drill Bit Hammer Linesmans Pliers Cable Cutters 1/2" Metal Drill Bit	Snap-In Idler (1) (pre-installed on end cap) Turnbuckles (2) Tie Wire Drives (Cable Anchors) (2) Copper Lugs with Set Screws (2) Cables (2 per shade) (2) Remote (1)	5/16" X 4 1/2" Lag Screws or Appropriate (4 or more) 3/8" Flat Washers or Appropriate (4 per shade) Wire Nuts

1. Prepare Back of Housing



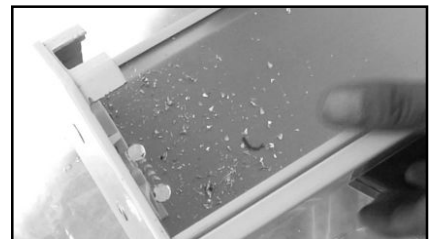
Measure space where shade will be installed



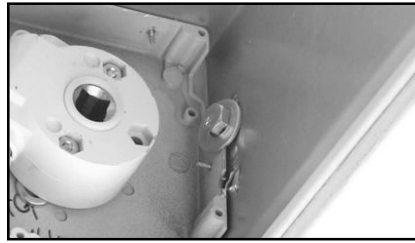
Make sure there is an even gap on both sides of where you will install your brackets. Decide where your brackets will hang and mark their location with a pencil.



Top mount holes are on top of housing, surface mount holes are on back of housing. Using 3/8" metal drill bit, drill 2 holes very close to each end cap on both sides. Holes should be close enough to end cap that washer will overlap lip of end cap.



2. Hang Back of Housing – 2 Person Job

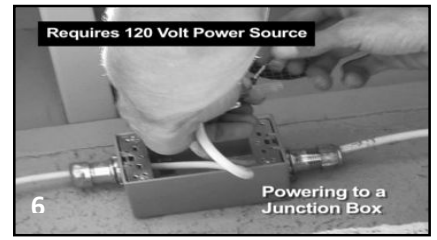
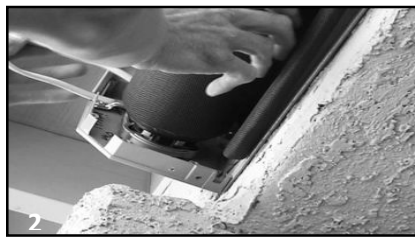
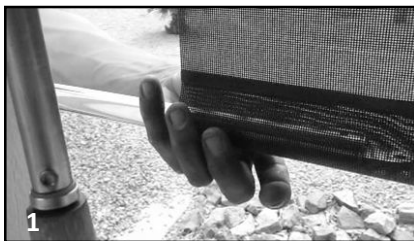


Hold back of housing up to your pencil marks, assuring that housing is level before securing screws. Drill starter holes and then secure lag screws and washers.



NOTICE: Hardware should be close enough to end caps that washer will overlap lip of end cap on both ends.

3. Hang Tube With Fabric - 2 Person Job

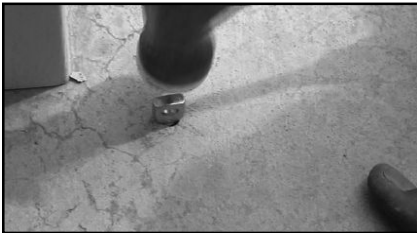


Remove bottom rail from pocket of fabric (#1) and motor clip from star bracket; set aside. Hold tube with fabric up to back housing and slide the motor end of shade into star bracket (#2). Reinstall the motor clip onto the bracket (#3). Slip the round pin into the snap-in idler that is attached to other end cap (#4). Be sure the round pin is locked behind the tab on the idler. Feed motor wire through the hole in housing (#5). Tie motor wire into electrical source (#6). Put bottom rail back into pocket of fabric.

4. Drill Holes For Cable Anchors



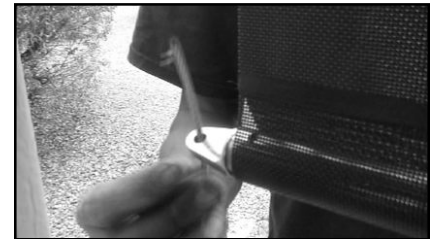
Use Plumb Line to hang from small hole in bracket down to floor. Mark spot with pencil for cable anchor. Drill hole with ¼" masonry drill bit.



Hammer in tie wire drives. (You will repeat this whole process on the other side)

[NOTE: Tie wire drives should be hammered in as far as they can go.]

5. Attach Cables



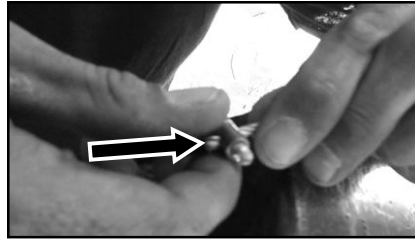
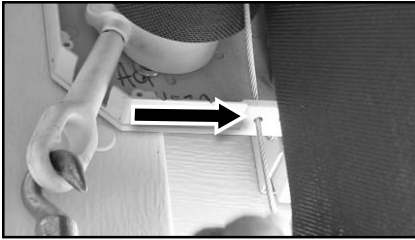
Open turnbuckles by unscrewing each end until ¼" thread remains inside turnbuckle housing. Attach the hook end of turnbuckle to tie wire drive. (It should be lying on the ground loosely attached on the ground). Slip cable through the eyelet of bottom rail. (You will repeat this on the other side).



Close turnbuckles to add tension to cables. (Hold top and turn buckle clockwise). Do not fully tighten yet. It should be loose.

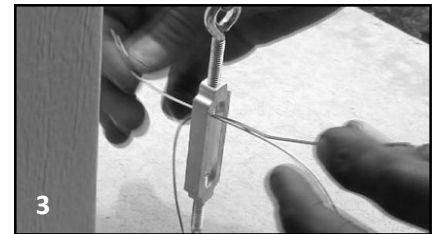
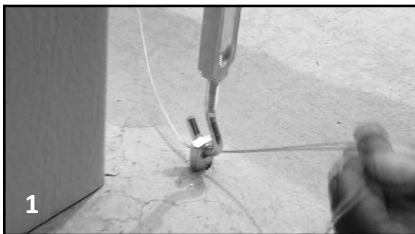


6. Attach Cables to End Caps



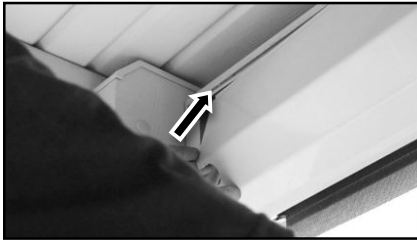
Pull cable up through the small hole in the bottom of the end cap. At the top of the cable where there is excess slack, feed the wire through the hole in the cable lug, and continue feeding the lug up until it is resting on the bottom of the housing unit (or bottom of end cap). Tighten down the setscrew. Pull the cable to be sure it is tight (do this to one end of each run of the cable). Next, fully tighten the turnbuckle. After tightening, use cable cutters to cut excess cable 1- 2" from the lug. (You will repeat this on the other side).

7. Safety Wire Turnbuckles



Using left over cable, unravel two strands of wire about 10" in length. Weave strands of wire through tie wire, turnbuckle and then cable loop. Use linesmans pliers to twist wire tight. Cut off excess. This prevents the turnbuckle from twisting and loosening the cables. You will repeat this on the other side.

8. Install Front/Bottom Housing



Sliding the notch end on first, slip the housing into the groove at the top/front of the housing and set into place. Install the screws on each end of front housing (2 total).

9. Adjust Motor Limits



[NOTE: Motors come pre-programmed with short limits.] To change the lower limit, send the motor to its current lower limit by pressing the down arrow. Press both the up and down button at the same time until the motor jogs. Adjust to your desired lower limit position and press the “my” button until the motor jogs. This saves your lower limit. To change the upper limit, send the motor to its current upper limit. Press both the up and down buttons at the same time until the motor jogs. Adjust to your desired upper limit position and press the “my” button until the motor jogs. This saves your upper limit.

10. Confirm Limits

Send the shade to both the upper and lower limits. The shade should roll up and down on cable guides and stop on its own at the programmed limit settings. You’re done!