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Motorized and Solar Powered EasyShade® Spacer Installation Instructions

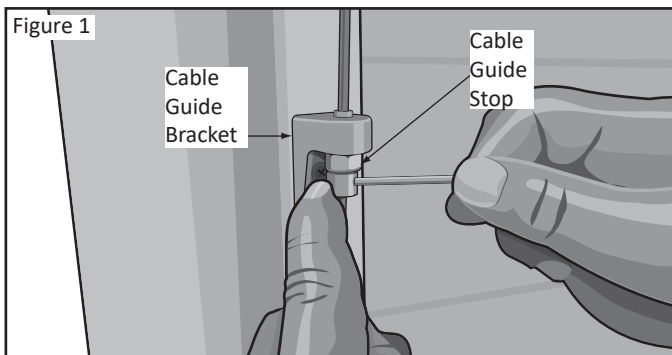
*** Helper Needed ***

Tools Needed: Phillips Screwdriver, $\frac{7}{16}$ " Open End Wrench, $\frac{1}{8}$ " Allen Wrench, and a $\frac{5}{64}$ " Allen Wrench

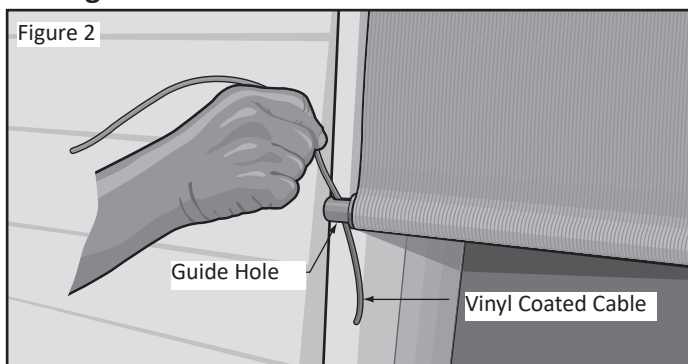
Parts Supplied: Two (2) Spacers

WARNING: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN PERSONAL INJURY!
PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE PERFORMING THIS PROCEDURE.

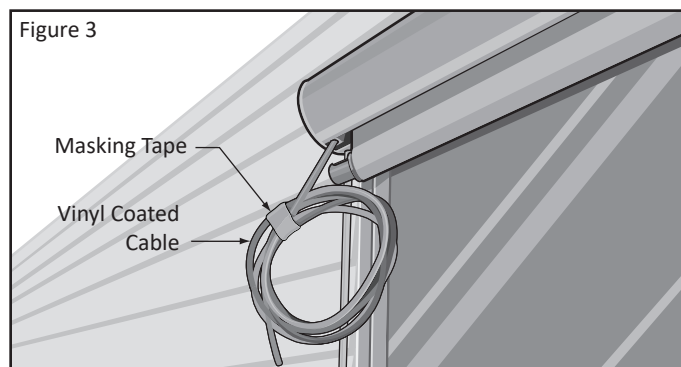
1. Close your EasyShade completely.
2. Unplug the power cord from the outlet or Solar Panel/Battery Assembly.
3. Remove the Cable Guide Stops from the bottom of the Vinyl Coated cable on each side of the EasyShade using a $\frac{5}{64}$ " Allen Wrench. See **Figure 1**.



4. Pull the Vinyl Coated Cable out of the guide holes in each end of the EasyShade drop down panel. See **Figure 2**.



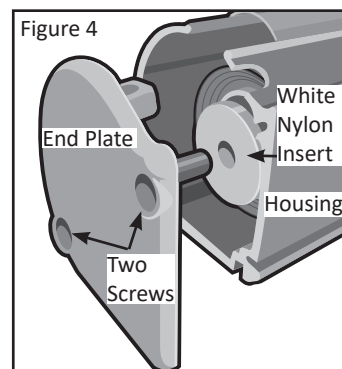
5. Coil the Vinyl Coated cable and secure with a piece of masking tape. See **Figure 3**.



6. While your helper supports the EasyShade, use the $\frac{1}{8}$ " Allen Wrench to loosen the set screws on the Mounting Brackets. With the aid of your helper remove the EasyShade from the Brackets and place it carefully in your work area.

Note: Protect the finish of your EasyShade by using a clean table or other work area.

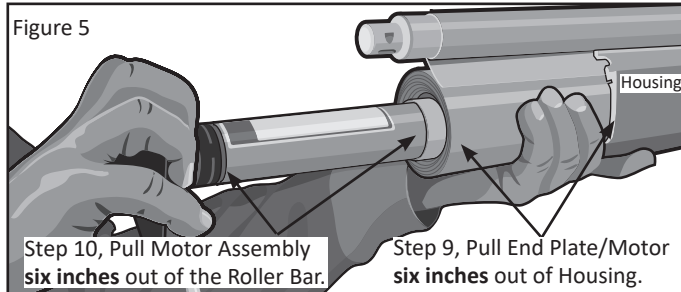
7. On the end of the Housing opposite the Motor, remove the two Phillips Head Screws that secure the End Plate to the Housing. Remove the End Plate and the White Nylon Insert from the Roller Bar and place aside for use in reassembly. See **Figure 4**.



8. On the motor end of the Housing remove the two Phillips head screws that secure the End Plate to the Housing. See **Figure 9**.

9. Pull the End Plate/Motor and the Roller Bar about **six inches** out of the Housing and stop. See **Figure 5**.

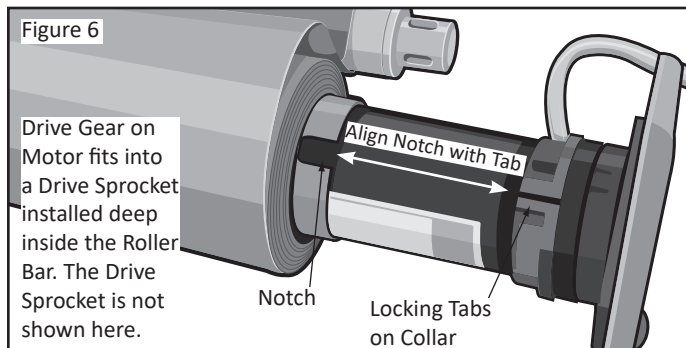
10. Slide the Motor about **six inches** out of the Roller Bar and stop. See **Figure 5**.



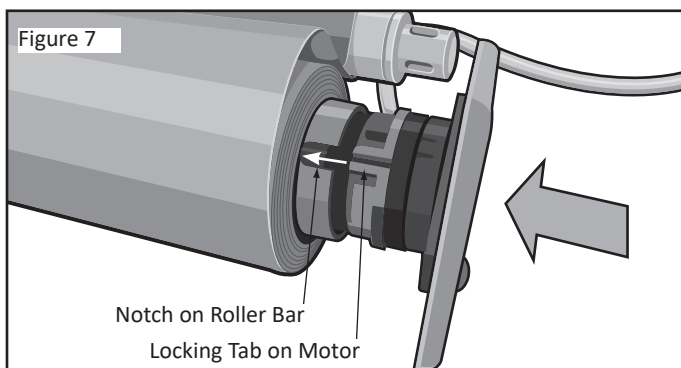
11. Reinsert Motor into Roller Bar. See **Figures 6 and 7**.

11a. Rotate the Motor so the Drive Gear, on the end of the Motor, fits into the Drive Sprocket, which is permanently installed inside the Roller Bar.

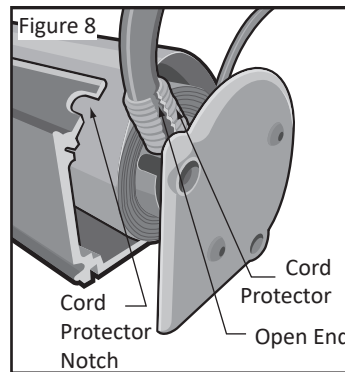
11b. Rotate the Motor's Collar so the Locking Tabs match up and align with the Notch on the Roller Bar, then seat the Motor. See **Figures 6 and 7**.



12. While holding the Roller Bar, push the Motor into the Roller Bar until the Locking Tab on the Motor is fully seated in the Roller Bar Notch. See **Figure 7**.



13. While holding the Housing, begin to slide the Motor and Roller Bar into the Housing, watching for alignment as described in the next steps. See **Figures 8 and 9**.



14. Align the Cord Protector with the Cord Protector Notch in the Housing, so the open side will be facing the end of the Housing. See **Figure 8**.

15. Push the Cord and the Cord Protector into the Notch on the end of the Housing.

16. Align the Vinyl Coated Cable to fit into the Fabric Slot in the Housing. See **Figure 9**.

17. Align the End Plate with the Housing while seating the End Plate against the Housing. See **Figure 9**.

18. Install the two Phillips head screws to secure the End Plate to the Housing. See **Figure 9**.

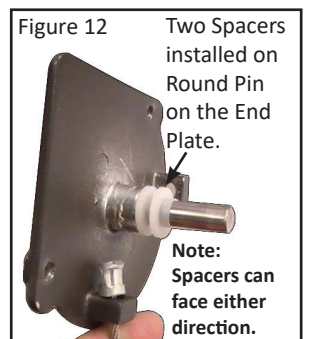
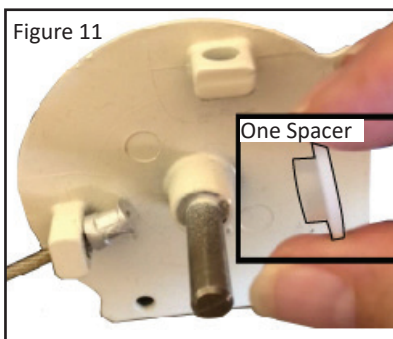
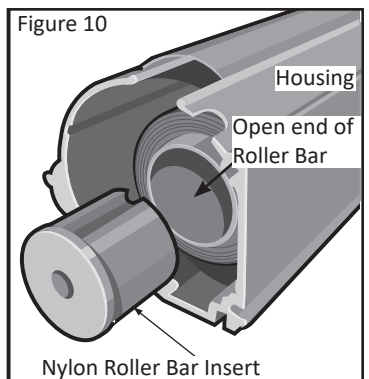
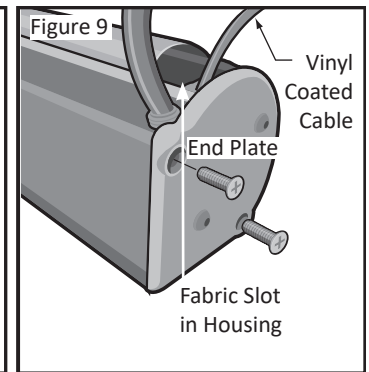
19. Locate the Nylon Roller Bar Insert for the other end (non-motorized) of the Easyshade. See **Figure 10**.

20. Slide the Nylon Roller Bar Insert into the open end of the Roller Bar. See **Figure 10**.

21. Install the two Spacers over the Round Pin on the End Plate. See **Figures 11 and 12**.

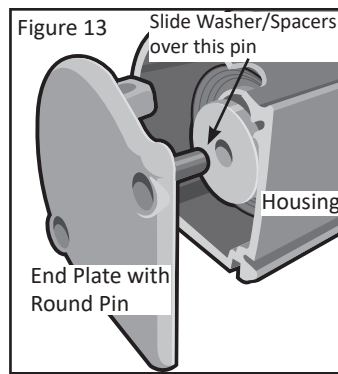
Note: These Spacers will prevent the Notch on the Roller Bar from shifting off the Locking Tab on the Motor when the EasyShade is assembled.

22. Slide the End Plate with Spacers into the Nylon Roller Bar Insert. See **Figure 13**.



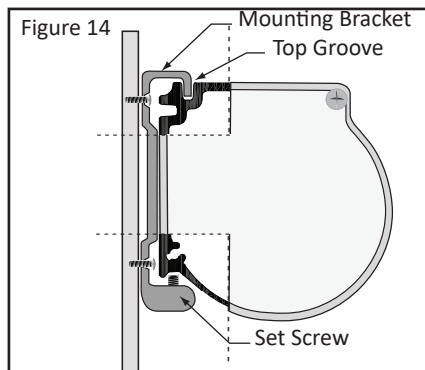
23. Check the fit of the End Plate onto the Housing. It should easily fit flush. If the fit is tight, remove one Spacer and check the fit.

Note: One Spacer will prevent the Roller Bar from shifting off the Motor Tab if two Spacers fit too tightly.



24. Align the End Plate with the Housing and install the two Phillips head screws to secure in place.

25. With your helper, lift the EasyShade assembly up to the installed Mounting Brackets and insert the Top Groove of the Easyshade assembly onto the protruding tab on the Mounting Brackets. See **Figure 14**.



26. While maintaining upward pressure to keep the Top Groove of the Easyshade assembly on the Tab of the Mounting Brackets, press the Easyshade assembly toward the Mounting Bracket and be sure that the Set Screw is aligned in the Recessed Portion of the Easyshade assembly. See **Figure 14**.

27. Using the 1/8" Allen Wrench, tighten the Set Screw in each Mounting Bracket until the Easyshade assembly is secure.

28. Plug the motor power cord into the electrical outlet (GFI is recommended) or Solar Panel/Battery Assembly.

29. Using the Remote Transmitter, select Channel 1 (the first LED from the left).

30. Hold both UP and DOWN buttons together for a few seconds.

- If the Motor jogs or moves, complete the **Motor Programming** at **Step G**.
- If the Motor does not jog or move, reset the **Motor Programming** beginning at **Step A**.

Motor Programming

Step A. Disconnect Power for 2 full seconds.

Step B. Connect Power for 10 full seconds.

Step C. Disconnect Power for 2 full seconds.

Step D. Connect Power. Your EasyShade will move, then stop on its own. It could move between a couple inches or a couple feet.

Step E. Press and hold the **Programming** button for **ten seconds**, watching for two separate jogs back and forth, several seconds apart.

Note: A single jog is defined as a quick two-direction movement of the motor.

Step F. Press and Hold the **UP** and **DOWN** buttons together until the EasyShade jogs.

Step G. Press the **DOWN** button to check the direction of the motor.

The **DOWN** button should cause the fabric to roll out of the housing, closest to the house.

If the direction is incorrect, change direction by Holding the **my** button until the motor jogs.

Step H. Move the EasyShade to the desired **UP** position.

Step I. Press and Hold the **my** and **DOWN** buttons, then release them when the EasyShade begins to move. Be ready to stop it at the **DOWN** setting.

Step J. Press the **my** button to stop the EasyShade at the desired **DOWN** setting.

Step K. Use the **UP** and **DOWN** buttons to make adjustments to the desired **DOWN** position.

Step L. Press and Hold the **my** and **UP** buttons together. Release them when the EasyShade begins to move. The EasyShade stops on its own at the **UP** position.

Step M. Press and Hold the **my** button, wait for a jog. The EasyShade **UP** and **DOWN** positions are set.

Step N. Press and Hold the **Programming** button, wait for jog. This completes programming of the Motor.

Test the EasyShade UP and DOWN settings.



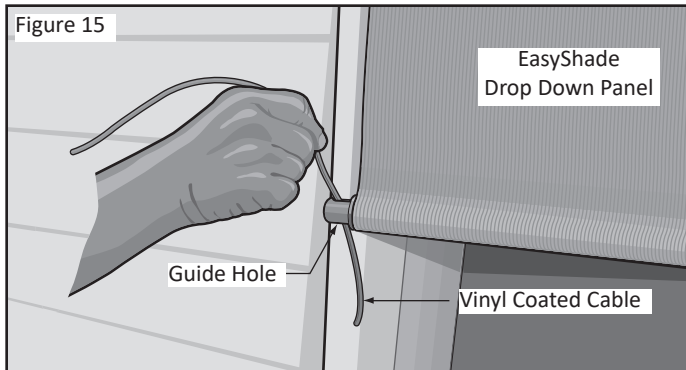
COMPLETE THE EASYSHADE REINSTALLATION ON THE NEXT PAGE, at Step 31.

31. Open your EasyShade, pressing the **DOWN** button on your remote control. With the EasyShade in the down position, **unplug the power cord** from the electrical outlet.

32. At each end of the EasyShade Housing Assembly uncoil the Vinyl Coated Cable. Allow the coiled cable to hang flat against the mounting surface.

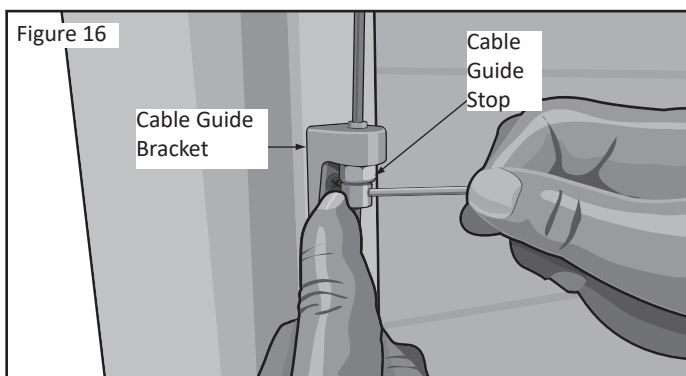
33. Insert the Vinyl Coated Cable located at each end of the Housing Assembly through the Guide Holes at each end of the EasyShade Drop Down Panel.

See **Figure 15**.



34. Place the lower end of one of the Vinyl Coated Cables through the hole in the Cable Guide Bracket and, from the bottom, slide one of the Cable Guide Stops onto the Vinyl Coated Cable and secure in place with the $\frac{5}{64}$ " Allen wrench. Repeat for the other side of the EasyShade.

See **Figure 16**.



35. Ensure the Vinyl Coated Cables are tight. Adjust the tension using a $\frac{7}{16}$ " open end wrench as follows. On each of the Cable Guide Stops, you will find $\frac{7}{16}$ " nut, by turning the nut counter clockwise you can tighten the cable.

Note: **DO NOT OVER TIGHTEN THE CABLE.**

36. Test for proper operation.