Motorized and Solar Powered EasyShade®
Spacer Installation Instructions
* Helper Needed *

Tools Needed: Phillips Screwdriver, 7/16” Open End Wrench, 1/8” Allen Wrench, and a 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 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 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. Have your helper hold the Housing in place.

10. With one hand holding the Fabric and the other hand holding the Motor/End Plate Assembly, gently slide the Motor and Fabric out of the Housing, about a few inches. See Figure 5.

11. Rotate the Motor's Collar so the Locking Tabs align with the Notch in the Roller Bar, then fully seat the Motor into the Roller Bar. See Figure 7.

12. While holding the Housing, begin to slide the Roller Bar and Motor/End Plate Assembly into the Housing, watching for cable alignment as described in the next steps. See Figures 8 and 9.

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

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

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

18. Locate the Nylon Roller Bar Insert for the other end (non-motorized) of the EasyShade. See Figure 10.

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

20. 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.

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

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

24. 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.

25. 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.

26. Using the ¼” Allen Wrench, tighten the Set Screw in each Mounting Bracket until the Easyshade assembly is secure.

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

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

29. 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.

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**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 30.
30. 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.

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

32. 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**.

![Figure 15](image)

33. 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**.

![Figure 16](image)

34. 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 $\frac{3}{16}$” nut, by turning the nut counter clockwise you can tighten the cable.

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

35. Test for proper operation.