



## American Solo<sup>®</sup> / American Duo<sup>®</sup> Shade System Installation Instructions and Care

### Before you begin installation, please verify the following:

1. The side boards and valance are at least 2" deep.
2. The width of the shade is less than the window side board.
3. You have the correct number of mounting clips and screws to complete the installation. Full width windshield shade requires six clips. Finished assembly size 29" or smaller requires two clips, 30" to 60" requires three clips, 61" and bigger requires four clips.
4. If the shades are motorized, an adequate 12 volt direct current power source is available and can be routed to the motor wires. If a source of power is not readily available, you may choose to install a small 12 volt sealed battery and charger to operate the shades.

NOTE: Due to the uniqueness of each particular installation, clip mounting screws HAVE NOT been provided. You will need to determine and procure the proper length screw for your particular installation. MCD recommends a #8 pan-head sheet metal screw which can be obtained at most hardware stores. The most typical size is 1" in length, although the actual length required can vary from 1/2" to over 1.5" in length.

### Installation

1. For full width windshield shade installations, install two clips at each end of the shade assembly separated by no more than 1/4". This ensures that if an end clip should somehow fail due to improper installation, then the second "backup" clip will help prevent the windshield shade from falling. The remaining two clips should be evenly spaced across the middle.
2. For window shade installations, begin installation by mounting the clips to the top of the valance, cupboard bottom, or headliner. (Note: If the top of the valance is exposed, you may want to use a shorter screw approximately 5/8" long.)
3. Mount the clip within 2" of each end of the valance and the end of each clip at least 3/8" away from the wall or window frame. If the window frame is raised, add the depth of the frame to the 3/8" to locate the clip.
4. Mount all clips with the tab toward the coach interior. Divide the space between the end clips and mount the third and fourth clip if required.
5. The orientation of a solo solar shade is generally installed so that the material rolls off toward the window. The orientation of a solo night shade is generally installed so that the material rolls off to the inside of the coach. The configuration of a Duo combination is assembled with the Solar (day shade) above the Night shade. The material for the Day Shade is rolled off toward the window and the Night Shade rolls off toward the inside of the coach. This is a general configuration to maximize solar protection and night time privacy. This also gives the exterior a consistent "mirrored" look to all windows. Other configurations can be made to customer requirements.
6. The shade is mounted to the clips by placing the outside edge of the rail in the clip and rotating the shade toward the interior to snap the mounting rail in place.
7. Adjust the shade left or right to center it in the valance.
8. If the shade is motorized, please see separate instructions for installation and programming instructions

9. After installation and/or programming is complete, lower the shade and check clearance on both sides. If sideboard of the valances are not straight or square you may have to place a small shim under the mounting clip to correct any misalignment between the shade and window valance or square up valance side boards.

### **Care and Maintenance**

1. Both the solar and visor material can easily be cleaned with a mild, non-detergent soap and water. Simply wipe and dry with a soft cloth and allow shade to thoroughly dry prior to rolling shade up.
2. If motor becomes noisy or drags during operation, try to determine if the shade has shifted and is now rubbing on valance or side board, or is obstructed by rope lighting, rubber seals, motor wires, training wires or trim.
3. Neither springs nor motors require lubrication.

### **Manual Shade Assembly/Disassembly Procedure**

1. Remove the shade assembly from the valance by pushing the tabs on the spring clips to release the assembly.
2. Begin disassembly by loosening one set screw in the bracket on top of the mounting rail.
3. Remove the "R", "C" or "E" Clips on both ends.
4. Slowly slide the non-spring end out of the bracket. Note the spring will be under tension and may try to wind material around the shade tube.
5. The spring may be allowed to unwind by turning shaft slightly and releasing tube or bracket. Slide spring out of tubing.
6. If replacing motor, remove clip or screws that secure the motor to the bracket. Slide motor out of tube and pull wires through the bracket.
7. Reverse the procedure to reassemble.
8. Spring tension is adjusted by adding or removing wraps around the tube as described below. Reinstall shade assembly.

### **Manual Shade Adjustment**

1. The tension of a manual shade may be adjusted by removing the plastic end cap from the hem rail and removing the hem rail.
2. Pull down enough material, approximately 14", to allow the end of the material to be rolled around the shade roll.
3. To increase tension, wrap material around the roll a few times and try the tension after installing the hem rail. Repeat if necessary.
4. To reduce tension, allow shade to unwrap a few turns and try the tension after installing the hem rail. Repeat if necessary.
5. After adjustment is completed, re-install end cap.



# AutoStop Positioner Installation and Adjustment Instructions

The AutoStop allows the shade to stop at a predetermined set point every time it is raised.



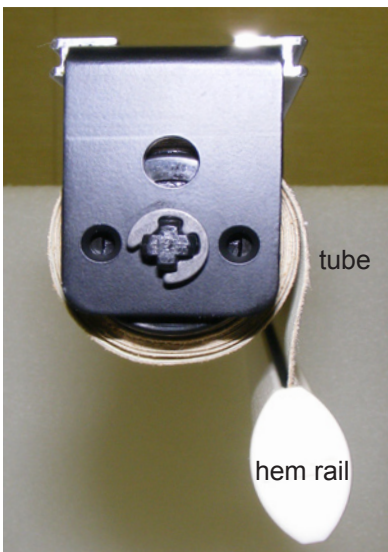
This is the stop point for this shade.

1. Turn the star shaped jam nut clockwise until it is finger tight against the stop spring.

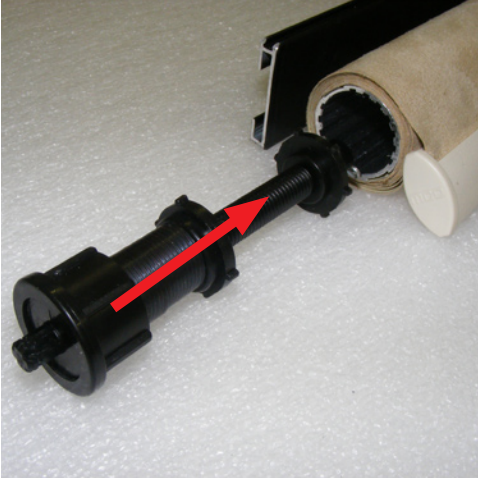


Do not overtighten!

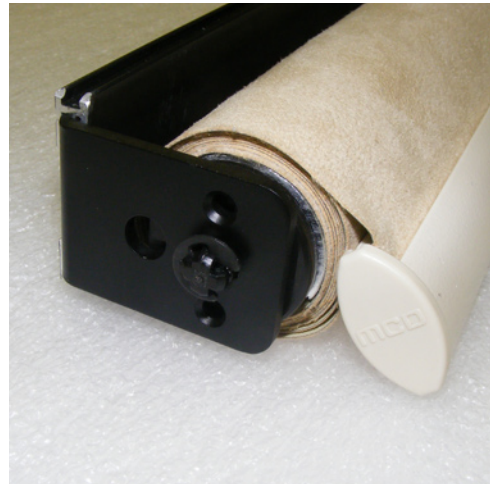
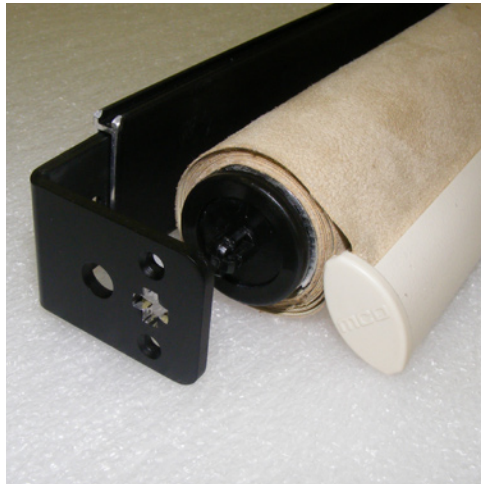
2. Roll the material on the tube until the hem rail is just below the tube or at the height for final setting.



3. Slide the autostop positioner into the tube by aligning the groves of the tube with the ribs of the positioner.



4. Assemble the shades to the brackets and mounting track. Do not compress brackets too tightly. Tighten set screws in mounting track and install the e-clips.



5. If spring tension must be adjusted, the autostop will have to be readjusted after proper spring tension is set.

**For Technical Assistance, please call 800.804.1757**