



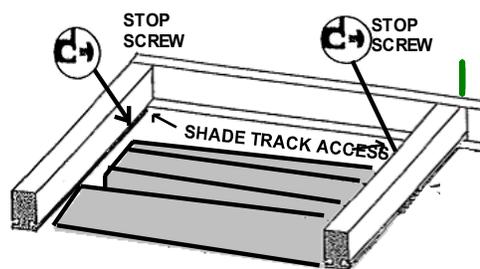
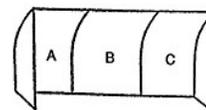
# ThermalDESIGNS®

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## Installation Instructions for Global Solariums® Motorized Shades With Remote Control

### 1: Install the Shades

- Shades are labelled in alpha order from left to right, unless they are all the same size (Inside Looking Out).
- If installing from a ladder, rest the rolled-up shade on top to hold it while loading into track. The shipping boxes with sides cut off may make a convenient tray for this.
- Before loading shades: If tracks do not have an opening at ridge, drill wheel access holes in tracks, at least 5/8" wide, using the countersink bit provided, 3" inches below the ridge. Clean shavings from tracks.
- Insert a shade stop screw in each track just below the access holes - pre-drill holes with 1/8" bit provided.
- Use foam brush provided to wipe out drill shavings and dirt from track.
- Load shade into track. Start with wheels in bottom of shade (opposite of velcro end) first with shade backing facing glass. Gently lower shade down to rest.
- Attach shade stop screws into track just below track opening. Pre-drill with 1/8" bit provided.
- Lightly spray silicone into track through the entire length. Always use pure silicon spray, never use teflon or other lubricants.

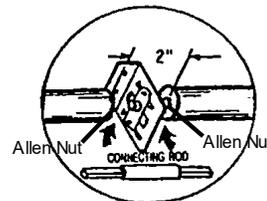
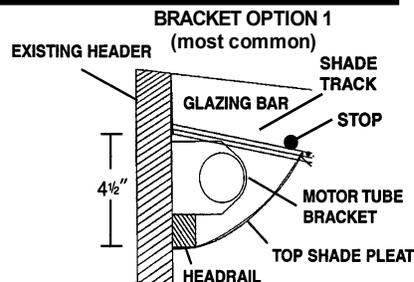


### 2: Install Motor Tubes and Headrails

- Your installation will have at least one motor tube with motor and idler end brackets. If the motor will drive multiple tubes, intermediate connector rods and brackets for those tubes are provided.
- Mount motor tube brackets directly beneath glazing bars where they meet the wall at ridge of room. Screws and washers are provided, two per bracket.
- Mount shade headrails, velstick Facing Down, directly beneath motor brackets and against ridge wall or beam using deck screws provided.

**In the following step, position motor tube so the power cord faces away and down (if desired). Position tubes with connecting rods so the set screw hole on the tube end caps face out and down.**

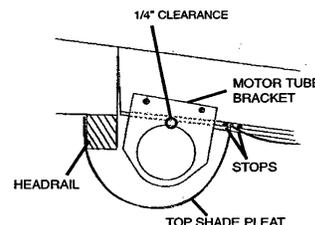
- Insert tube ends into brackets: Secure motor end in bracket with cotter pin. Center the connecting rods between intermediate tube brackets. Secure connecting rods in tube ends with allen nuts, applying a dab of thread locker provided to allen nuts before screwing



#### BRACKET OPTION 2

(Only if you ordered, as shades are made longer)

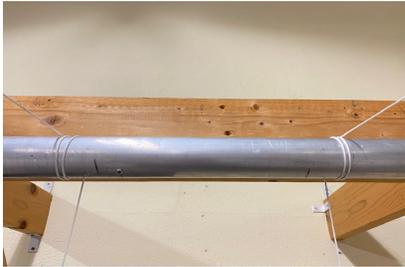
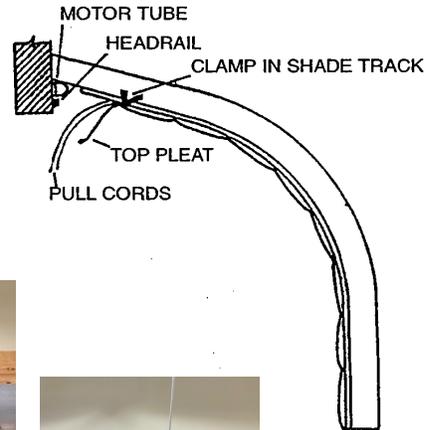
- Mount motor brackets to sides of glazing bars so the motor tube will have 1/4" clearance beneath glazing bars.
- Attach additional shade stop screws so there are two in each track, above and below the top shade glider.
- Top shade pleat will loop under motor tube to headrail.



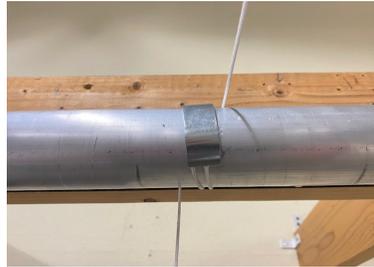
## Shade Cords

Do this for every shade in the system...

- Unbundle the cords, draping them over top of shade. Pull top of shade up near the motor tube & place clamp in one of the tracks under top shade glider.
- Starting 12" in from side of glazing bar, wrap each cord 2 times OVER TOP OF MOTOR TUBE toward the center. Pull cords taut around tube so the cord tension is tight but not enough to lift the bottom of shade.



Wrap cords twice over tube toward its center



Cord clip - Right side



Rotate clip to tighten cord

- Attach cord clips over wrapped cord. Once attached, you can twist the clip to tighten cord tension if needed. Match tension equally on both cords to minimize later adjustments. Cut off extra cord length hanging from clips.
- Repeat this process for each shade ensuring all cords on all shades have the same tension before operating the motor.
- When finished with one shade remove clamp from track for use with next shade. Do not yet attach velcro on shade to headrail. After finishing with cords of the last shade, put clamp aside.

## Initiate Motor Operation

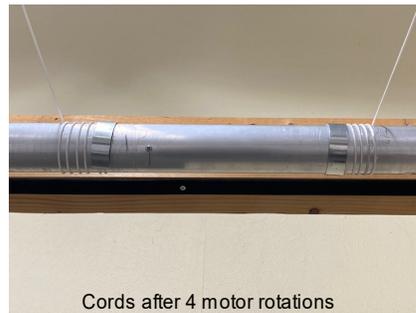
- With motor plugged into power: Initiate motor programming by pressing and holding the Up and Down arrow buttons at the same time until the motor "jogs" (a very brief up and down rotation).

ONLY IF MOTOR IS ON THE RIGHT looking up at motor tube: Assign upward rotation direction - Press and hold the "My" (center) button on the remote until motor "jogs". (This programs the upward turn direction if motor is on the right)



- Run motor up to raise shades: Press and hold Up arrow on remote.

Allow motor tube to raise shades with 4-5 revolutions and Stop/release button. If any shades are raising unevenly, adjust cord tension by twisting the cord clips on motor tube appropriately. When bottom of shades are all even, tension is correct. Also note that cords will wrap around tubes away from clips in a telescoping fashion.



Cords after 4 motor rotations

- Attach top of shades to velstick on headrails.

## Set Motor Upper and Lower Limits

- Continue raising shades with Up arrow button until they reach your desired open (upper) limit and Stop/release button. STOP BEFORE shade pleats bundle too tightly at top of room.
- To set this upper limit - Press both Down arrow and My (center) button together and release. Shades will begin lowering.  
IF SHADES ARE NOT LOWERING EVENLY OR SMOOTHLY, STOP! - Press My button (the My button acts as a stop button) . More silicone spray may be needed in tracks. Raise shades back to upper limit, apply more silicone before lowering again. Press both Down arrow and My buttons together and release to repeat.

When shades reach your desired closed (lower) limit, Stop with the My button. Use Up and Down arrow buttons to adjust lower limit.

- To set this lower limit - Press both Down arrow and My (center) buttons together and release. Shades will begin raising and will automatically stop at the upper limit.
- To finalize limit settings, Press and hold the My button until the shades "jog".
- Save motor settings: Press and hold the small recessed button on the back of the remote until the motor "jogs" (You will need a small point such as a ball point pen or paper clip to do this). Limits are now in memory.
- The remote and motor are now in "User Mode" and shades can be operated with a brief press of the Up or Down arrow buttons, and shades will automatically open or close to the programmed limits.

You can always use the My button to stop shades part way.



***For These Steps with the Remote Control and Other Functions, please refer to the included "Quick Programming Guide For All RTS" or the Instructions included in the remote control package.***

- Test Drive - Raise the shades up and down to confirm upper and lower limits have been set and shades run up and down smoothly and evenly.
- **Note: Motors are not able to run continuously up and down for long periods. Once the motor becomes overheated, it will shut down and cannot operate until cooled. The cool down time is at least 10 minutes.**