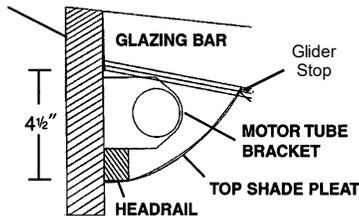**Thermal**DESIGNS®
1880 South Flatiron Ct.
Boulder, CO 80301
866-442-3485 fx 303-442-3520
www.thermaldesignsinc.com
sales@thermaldesignsinc.com

INSTALLATION INSTRUCTIONS FOR ADD-ON TRACK MOTORIZED SHADES - Remote Control

- Mount motor brackets directly beneath ridge and inside edge of track location.
- Mount headrail beneath motor brackets.

1. MOTOR TUBE AND HEADRAILS

EXISTING HEADER
GLAZING BAR
Glider Stop
4½"
MOTOR TUBE BRACKET
TOP SHADE PLEAT
HEADRAIL

Headrail w/ velstick
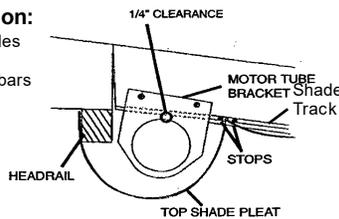Motor Bracket
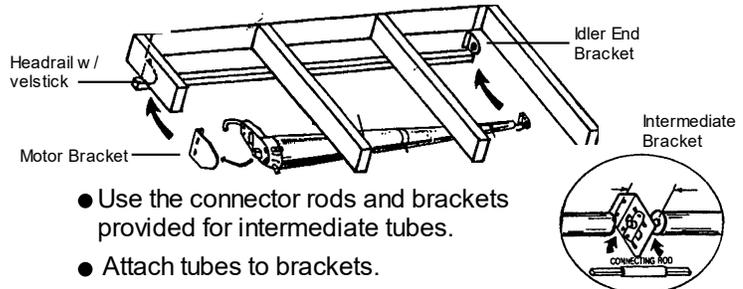Idler End Bracket
Intermediate Bracket
CONNECTING ROD

Bracket Mounting Option:
Mount motor brackets to sides of glazing bars leaving 1/4" clearance beneath glazing bars for motor tube.

Use 2 shade stop screws to secure top glider; top shade pleat loops under motor to back of headrail.

1/4" CLEARANCE
MOTOR TUBE BRACKET
Shade Track
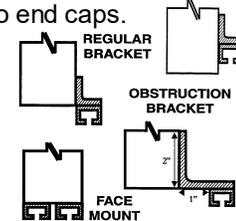STOPS
HEADRAIL
TOP SHADE PLEAT

- Use the connector rods and brackets provided for intermediate tubes.
- Attach tubes to brackets.
- **Position motor tube so the power cord is positioned away and to the back of the tube (if desired). Position tubes with connecting rods so the set screw hole on the end caps face out and down for easy access.**
- Use cotter pin to secure motor end. Use thread locker on set screws tightly into end caps.

REGULAR BRACKET
OBSTRUCTION BRACKET
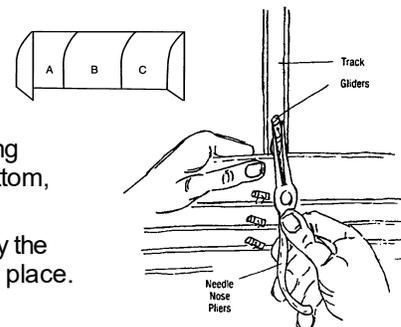FACE MOUNT

2. INSTALL THE TRACK

- Track is pre-drilled with holes for mounting. On curved units track is pre-bent to match curve of glazing bars as closely as possible.
- If using track mounting brackets, attach them to track first using screws provided before mounting them to glazing bars.
- Shade glider stops: Use 2 washer "stops" with pan head screws in the top and bottom holes of each track to keep shade gliders from falling out of track during operation.
  In some cases washer stops are provided for only the top of track (when bottom of track rests on a knee wall for example).
- START AT BOTTOM OF TRACK: Mark track hole or track bracket mount point, then use the 1/8" drill bit provided to pre-drill screw holes into glazing bars. Attach the track or track brackets using the screws provided.
  Note: Track is quite flexible. With curved track, use gentle force against it to align it through the curve with the glazing bars for mounting.

3. INSTALL SHADES IN TRACK

- Shades are labelled in alpha order according to which window bay they belong to, unless they are all the same ("A" is left, looking out
- START LOADING SHADES NEAR BOTTOM OF TRACK: Begin inserting gliders into track above the bottom shade stop. First gliders in are on bottom, back of shade where pull cords are attached...
  Insert them vertically into the track. Using needle nose pliers, grip glider by the center axle and twist it into place horizontally, glider will quietly "snap" into place. Repeat for each glider, working up the back of the shade.
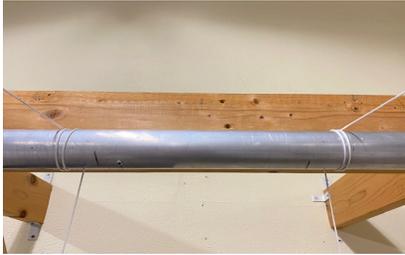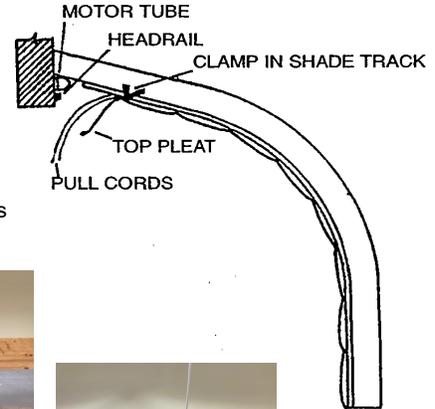
Track Gliders
Needle Nose Pliers

- Spray silicone up and down the length of tracks liberally. Caution: silicone will run down track and may drip out.
- Lift shade through track a few times by lifting on top shade pleat, verify freedom of movement.
- If shade catches or resists, use a little more silicone. Otherwise, check for obstructing screw holes (reset the screw), glider not straight (reset with pliers), or crimped track in radius (open with pry bars).
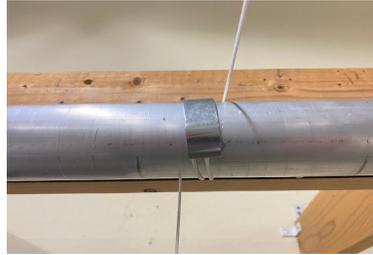
Shade Cords

Do this for every shade in the system...

MOTOR TUBE
HEADRAIL
CLAMP IN SHADE TRACK
TOP PLEAT
PULL CORDS

- 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 cips.

   For wide, mutli-bay shades with more than 2 cords, wrap and clip the interior cord(s) roughly 7" toward the center of tube from where the cords are tied to the back of the shade.

- 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.
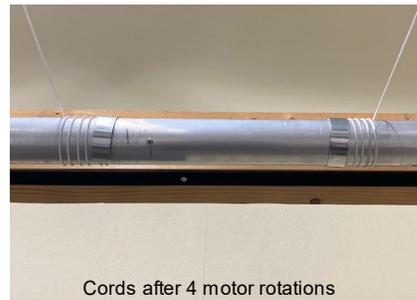
Initiate Motor Operation

- 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 fasion.

Cords after 4 motor rotations

- Attach top of shades to velstick on headrails.   page 2

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 automitacally 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 contol 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.**