

Installation Instructions TopSpin by Draper

⚠ Caution

- ① Inspect all boxes to make sure you have received the proper parts.
- ② Open cartons lengthwise.
- ③ All hardware must be installed level. Shades must be level and square.
- ④ Do not wire motors in parallel without written permission from Draper.
- ⑤ **Please read the following installation guidelines thoroughly and follow them carefully. Failure to do so may cause product to fall or otherwise fail, and invalidates warranty.**

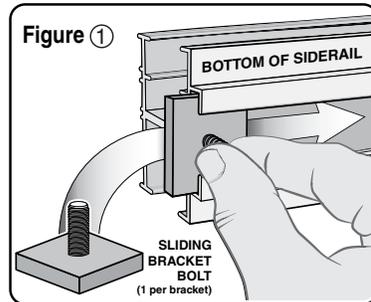
Mounting Brackets

① Mark the desired location of **Mounting Brackets**. A maximum distance of 40" (1014mm) between brackets is recommended.

② Attach **Mounting Brackets** to the mounting surface.

Please Note: It is the installers responsibility to make sure appropriate fasteners are used for mounting surface.

③ Insert **Sliding Bracket Bolts** (1 per bracket) into the channel on the bottom of each section of siderail (See Fig. 1).

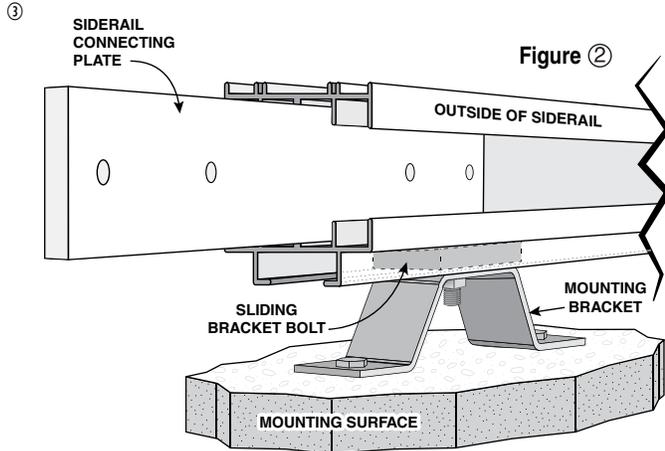


Assembling and Attaching Siderails

The siderails have been marked prior to shipment with a 1 or 2.

① Separate the sections by number and arrange for assembly.

② Beginning with Group 1, insert **Siderail Connecting Plate** (see Fig. 2) into the first section of siderail.



Align the pre-drilled holes and attach provided nuts.

④ Slide the next section of siderail over the Connecting Plate, align the pre-drilled holes and attach the provided nuts. Continue process until siderail is fully assembled.

⑤ Repeat for the remaining siderail.

⑥ Align the Sliding Bracket Bolts with the pre-drilled holes in the top of the Mounting Brackets and fasten the provided nuts.

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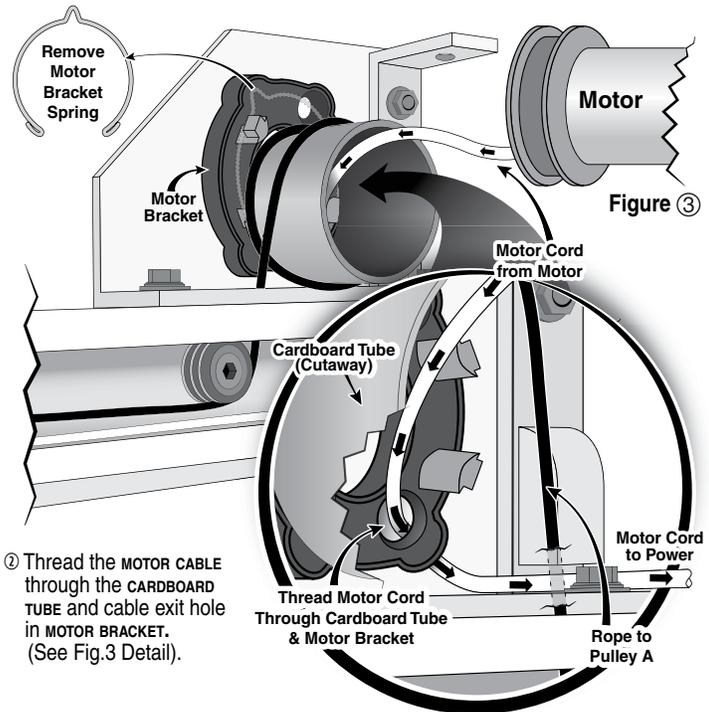
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Installing Motor

Motor Bracket End

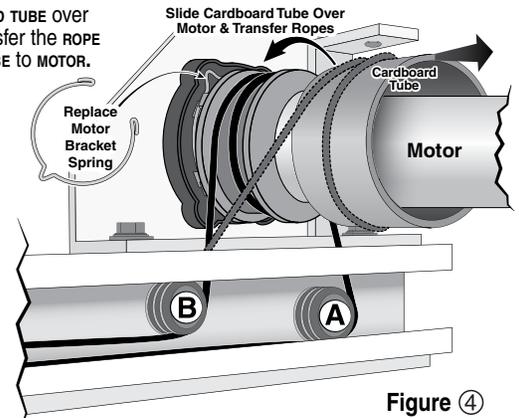
① Remove TAPE from CARDBOARD TUBE and the MOTOR BRACKET SPRING (See Fig. 3).



② Thread the MOTOR CABLE through the CARDBOARD TUBE and cable exit hole in MOTOR BRACKET. (See Fig.3 Detail).

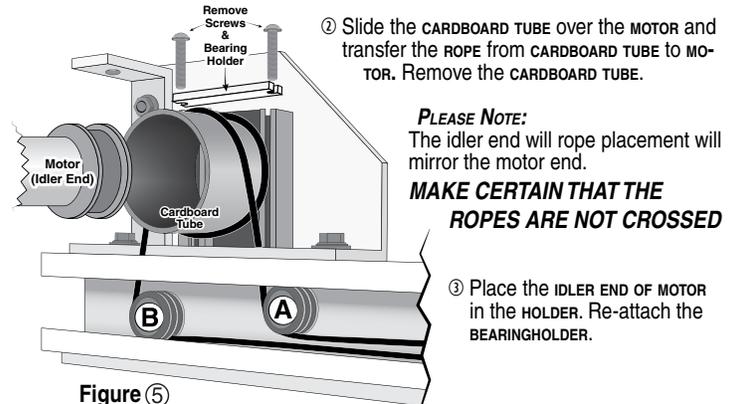
③ The ROPE is pre-assembled in the SIDERAIL and turned around a CARDBOARD TUBE. Slide the CARDBOARD TUBE over the MOTOR and transfer the ROPE from CARDBOARD TUBE to MOTOR. Remove the CARDBOARD TUBE (see Fig. 4).

④ Place the MOTOR into the MOTOR BRACKET and replace the MOTOR BRACKET SPRING.



Idler End

① Remove the screws from the BEARINGHOLDER (see Fig.5.) Remove BEARINGHOLDER and TAPE from CARDBOARD TUBE.



② Slide the CARDBOARD TUBE over the MOTOR and transfer the ROPE from CARDBOARD TUBE to MOTOR. Remove the CARDBOARD TUBE.

PLEASE NOTE:
The idler end will rope placement will mirror the motor end.
MAKE CERTAIN THAT THE ROPES ARE NOT CROSSED

③ Place the IDLER END OF MOTOR in the HOLDER. Re-attach the BEARINGHOLDER.

You are now ready to install the roller assembly into the TopSpin SIDERAILS.

If you encounter any difficulties installing or servicing your Solar Control Systems, call your dealer or Draper, Inc. in Spiceland, Indiana, 765-987-7999, or fax 765-987-7142.

Installing Roller Assembly

The TopSpin ROLLER ASSEMBLY is shipped pre-loaded on the ASSEMBLY ASSISTANT and is held secure with plastic wrap.

DO NOT REMOVE PLASTIC WRAP UNTIL ROLLER ASSEMBLY IS INSTALLED IN SIDERAILS.

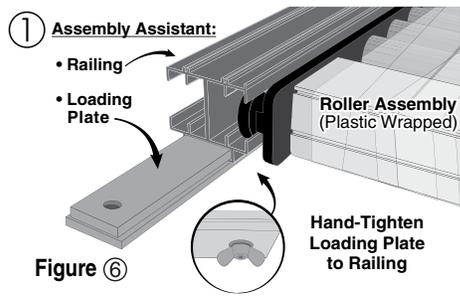


Figure 6

- 1 Insert the LOADING PLATES into the ASSEMBLY ASSISTANT RAILING and hand-tighten in place (see fig. 6).
- 2 Align ASSEMBLY ASSIST RAILS with TopSpin SIDERAILS and insert LOADING PLATES and hand tighten (see fig. 7).
- 3 Push the ROLLER ASSEMBLY onto the TopSpin SIDERAILS.
- 4 Move the ROLLER ASSEMBLY into desired position and fasten the motor end of ROLLER ASSEMBLY to the SIDERAILS.
CAREFULLY REMOVE THE PLASTIC WRAP and ASSEMBLY ASSIST SIDERAILS.

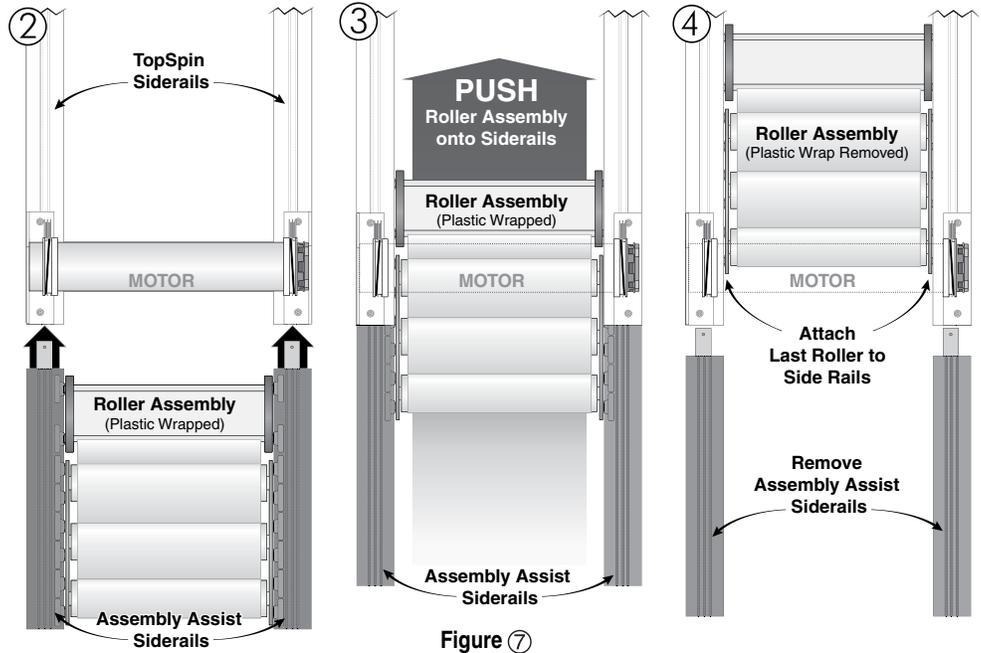


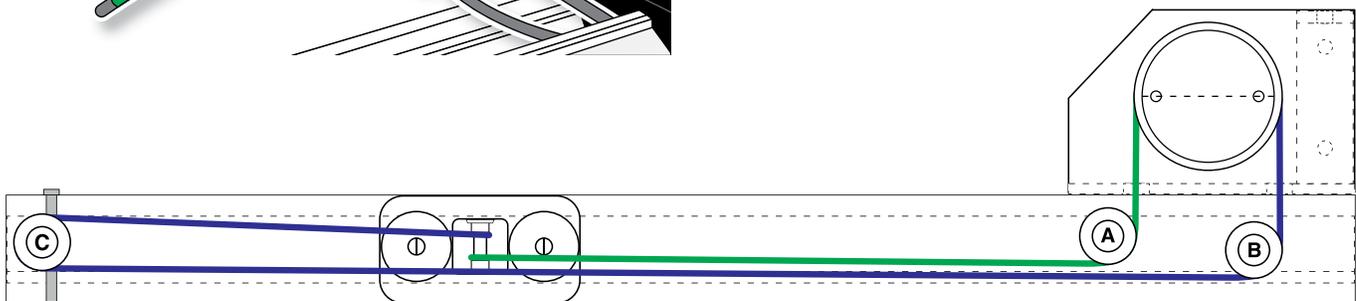
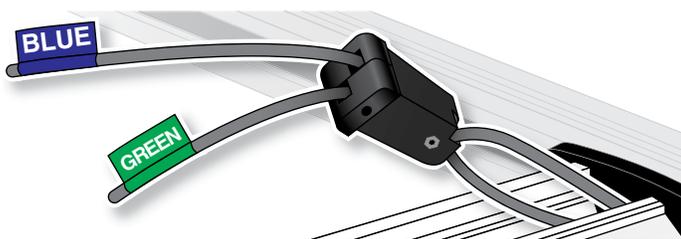
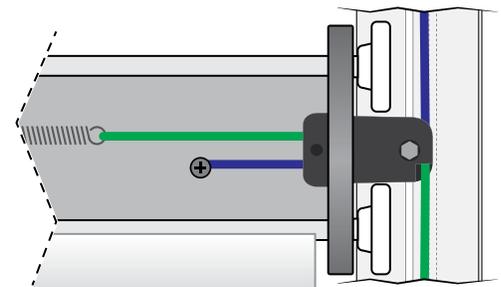
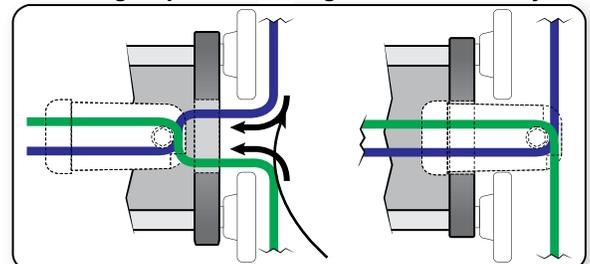
Figure 7

Rope Installation

Once the MOTOR-END OF THE ROLLER ASSEMBLY is secured on the siderails, the pre-assembled rope in the siderail can be installed.

- 1 Remove the cover from top of Hem Bar and locate the Square holes on each
- 2 Pull both ends of the rope through the square hole located in between the Hem Bar Rollers.
- 3 Pull the ROPE through the ROPEBLOCK (Fig. at right) with provided special tool.
- 4 Tie the rope securely onto the screw (Fig. at right).
- 5 Pull the rope through the ropeblock as on the drawing with the provided special tool.
- 6 Assemble the ropeblock into the square hole.
- 7 Repeat on the opposite side
- 8 Assemble the spring between the two ropes and pull some tension on the spring.
 - a. Check if the rope is on the ride position on the rollers and the disks at both ends of the siderails.
 - b. Before straining the springs, place the sections into the final position on the siderail and bolt the last tube.
 - c. Then stretch the spring till the length of 50cm and make a knot.
 - d. Adjust the motors (see motor manual) and test.
 - e. Check the spring length of 50cm and close the first profile.
- 9 The TopSpin system is now ready to use.

Threading Ropeblock through Roller Assembly



Rope Installation (Top View)

