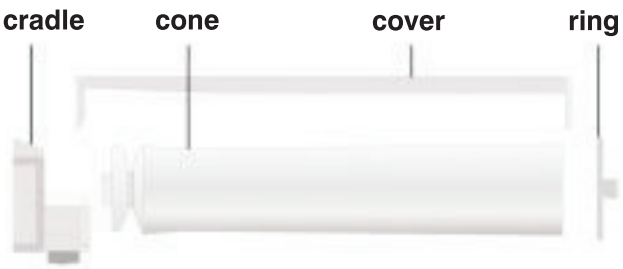
CTS25/Concept 25

Fabrication Instructions for Roman/Austrian/Woven Wood Shades

DESCRIPTION

The new patented Cord Take-Up System (CTS) for window coverings enables lift and tilt functions and prevents cord slippage, tangling and overlap. By using the Cord Take-Up System versus a tape lift system, you achieve increased product reliability, and smoother more uniform operation. What's more, fabricating window coverings with (CTS) is an easier process.

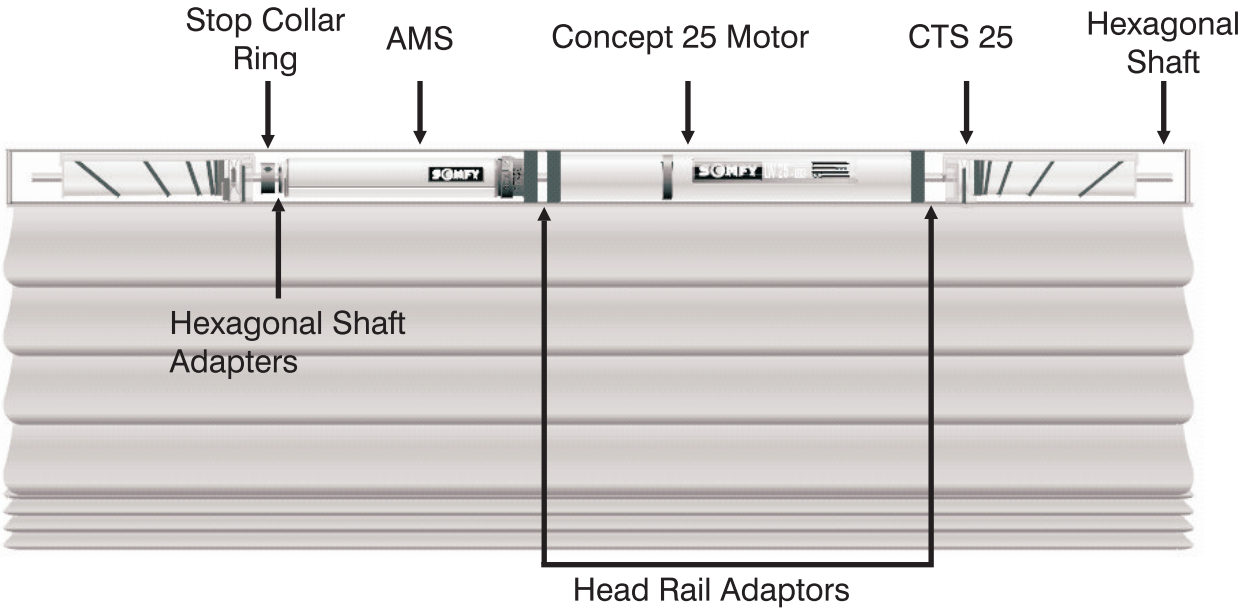


COMPONENTS

- Motor LW or LV Concept 25 (B83/B64)
- AMS (#6050000)
- Headrail adapters (#6050600)
- CTS25 Kit (#6180404)
- 5mm Hexagonal Shaft (#6050406)
- 5mm Hexagonal Shaft Adapters (#6050003)
- Stop Collar Ring for 5mm Shaft (#6050400)

Motorization with Concept 25 is quite simple... Comprised of only 7 primary components, this 24V DC LOW VOLTAGE motorization system can lift and tilt the largest of blinds, shades etc.

SYSTEM CONFIGURATIONS LV & LW



ROMAN/AUSTRIAN/WOVEN WOOD SHADES

TECHNICAL SPECIFICATIONS

MINIMUM WIDTH OF SHADE				
Motor Type	**1 1/2 Inch Route Hole**	**4 1/4 Inch Route Hole**	**6 Inch Route Hole**	**6 3/4 Inch Route Hole**
LV 25-B64				21
LW25-B83	24 3/4"	24 1/4"	27 3/4"	

The above chart applies to pleats and cellular shades adapted to "VersRail" and similar type headrails using decorative "endcaps".

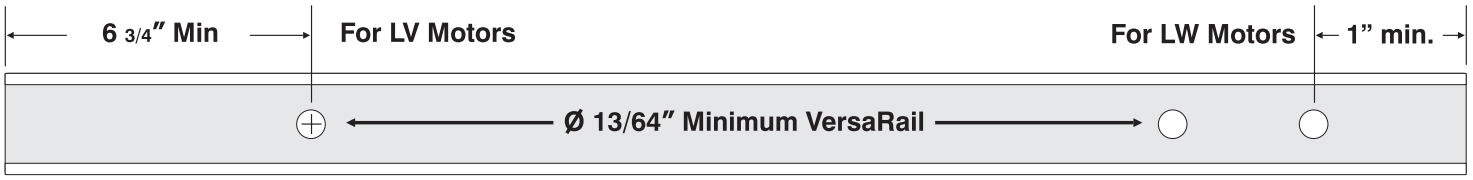
Motor Type	Output Shaft	Maximum Lift Weight Lbs.	Maximum height with 1.4 mm cord	Speed (RPM)
LV 25-B64	Single	7.5 Lbs.	11.5 Ft.	35
LW 25-B83	Double	8.5 Lbs.	11.5 Ft.	30
Specifications based on motors used with (CTS). They are approximate and may vary depending on product application, material composition etc.				

ASSEMBLY INSTRUCTIONS

A. Headrail Preparation

1. Cut or specify headrail width that is suitable for shade application.

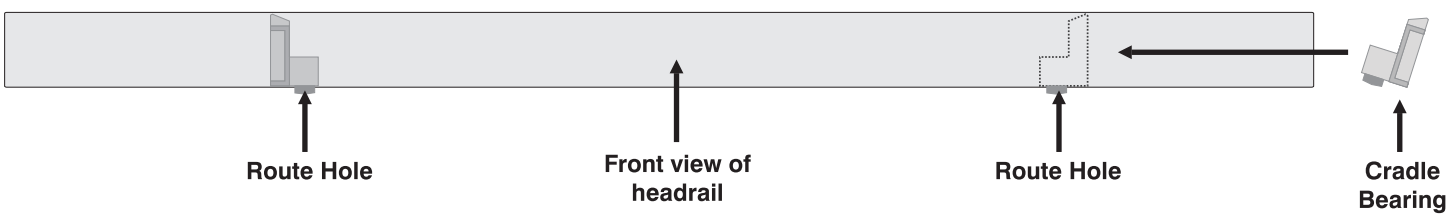
2. Drill or punch cord route holes into headrail. (Note: route holes must be round and measure at least 13/64″ for VersaRail and 1/4″ for EasyRise headrails.)



IMPORTANT: If LW type motor is used, proceed to Motor and AMS installation (Section D: Steps 1-3) Prior to performing the CTS Assembly (Section B.)

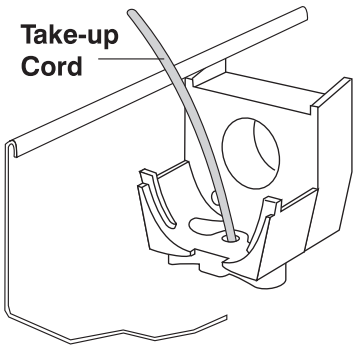
B. CTS Assembly

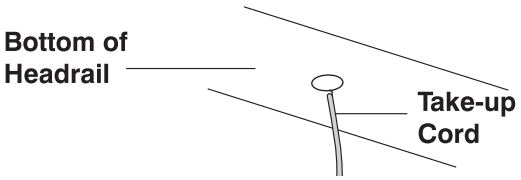
1. Slide cradle bearings into headrail and align at pre-punched route holes. Ensure that cradles are seated correctly into route holes of headrail.

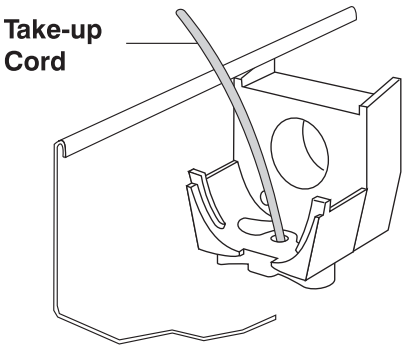


B. CTS Assembly Continued

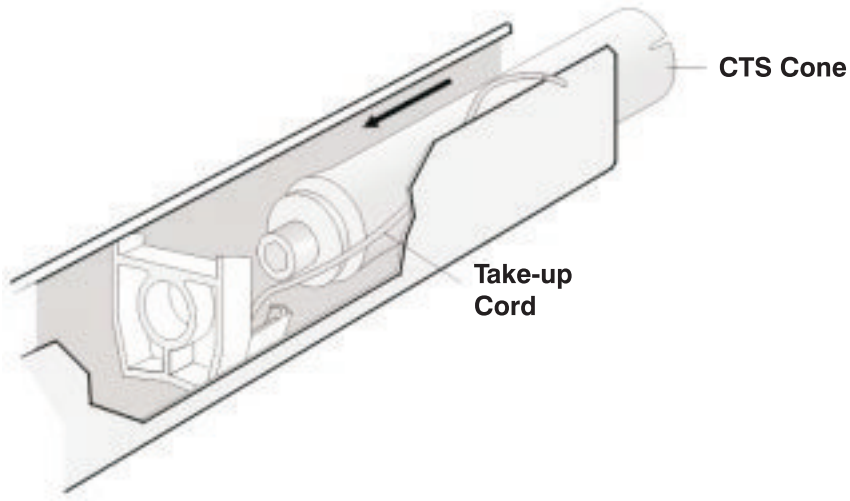
2. Measure and cut the appropriate length of take-up cords and feed through the holes of each cradle bearing.
(Note: 1.4mm Round nylon braided polyester cord is recommended)



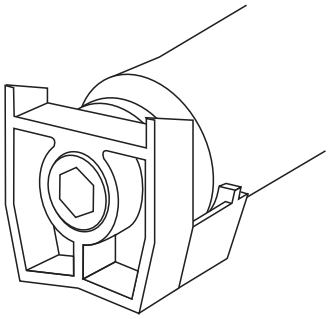


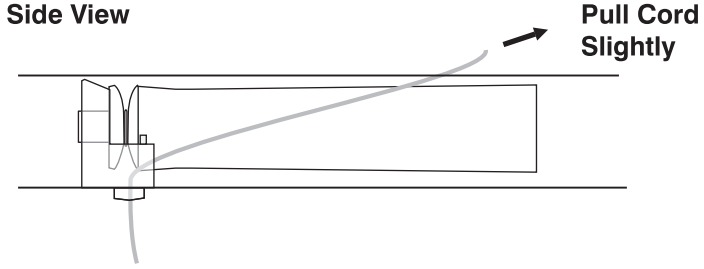


3. Slide each cone into headrail.



4. Insert tip of each cone into cradle bearings.

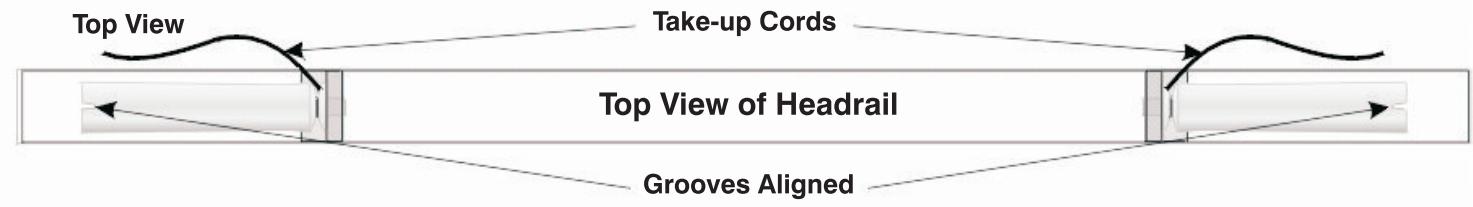




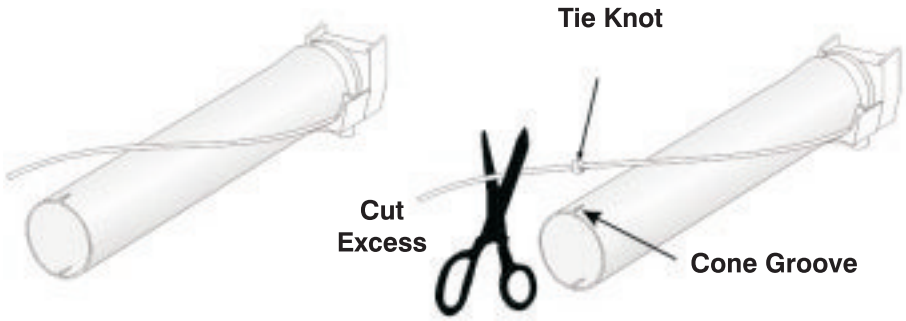
5. Lightly pull on each take-up cord to be certain they are not restricted.

C. Securing Take-up Cords

1. Align the grooves at the end of each cone.

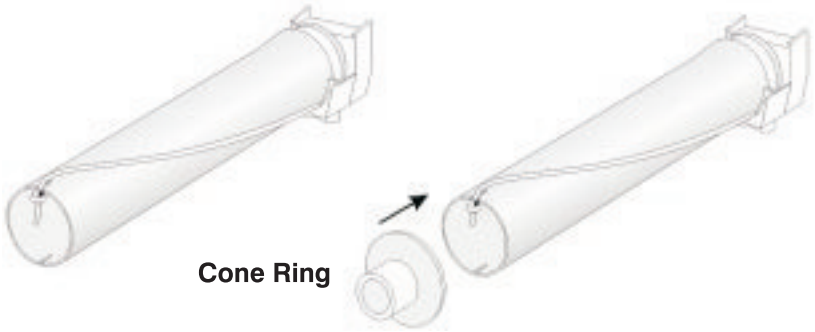


Note: The above illustration is for "cone alignment" reference only and may not depict the actual placement of cones.

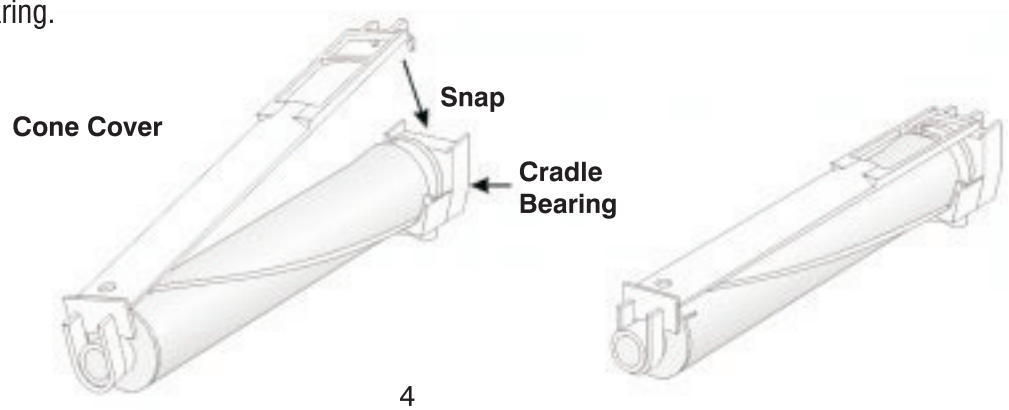


2. Tie knot in each take-up cord and insert into groove of each cone.

3. Fasten cone ring as shown.



4. Attach cone cover to cone ring and "snap" onto cradle bearing.



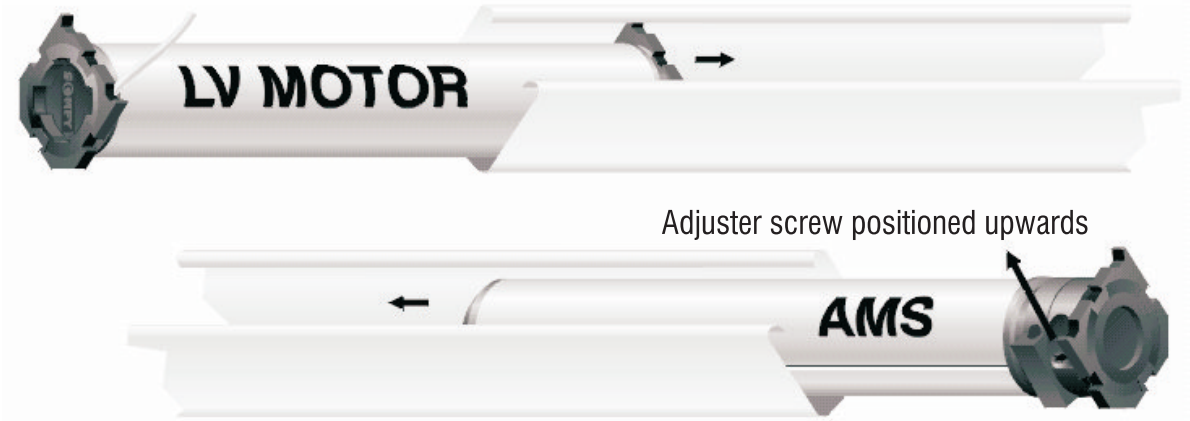
D. Motor and AMS Installation

1. Install shaft adapter(s) into motor and AMS

2. Snap headrail adapters onto motor and AMS
   (Be certain that headrail adapters are positioned in the same orientation.)

3. Slide motor and AMS into headrail.
   (Be certain that headrail adapters are aligned to match headrail profile.)

Note: If LW type motor is used, steps 1 and 3 should be performed prior to CTS assembly (section B: steps 1-5)

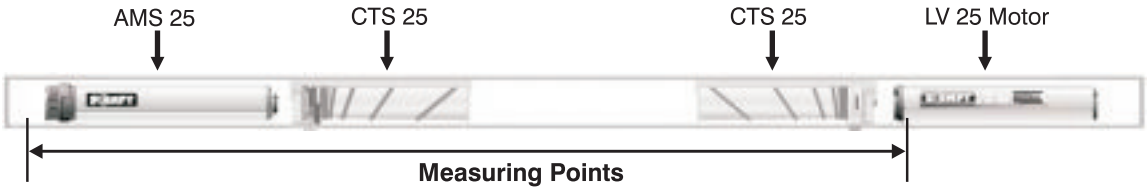


E. Hex Shaft Assembly

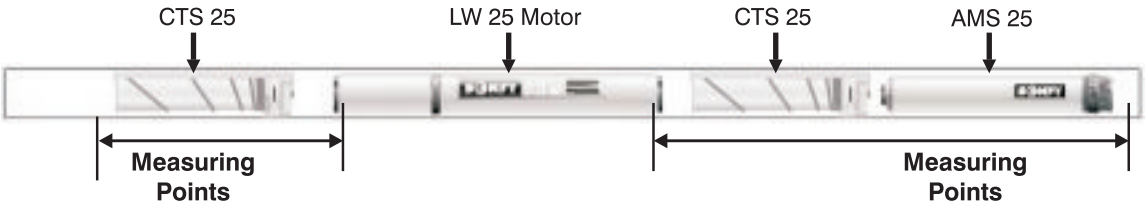
1. Measure approximately and cut the appropriate length of hexagonal shaft.
(see examples below for approximate measuring points).

2. Deburr shaft ends.

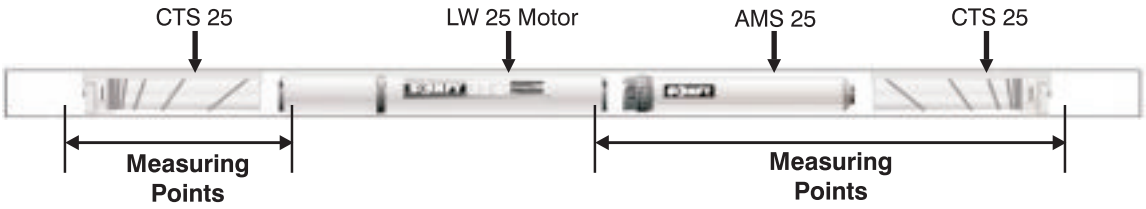
Configuration A



Configuration B

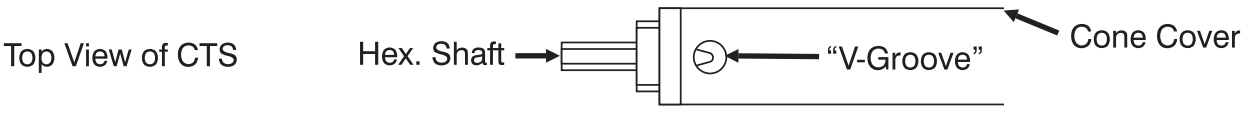


Configuration C



3. LW motors will require two shafts: Insert shaft #1 through CTS, AMS, Stop Collar Ring, and into motor. Insert shaft #2 through CTS, Stop Collar Ring, and into motor. If LV motor is used , insert shaft #1 only.

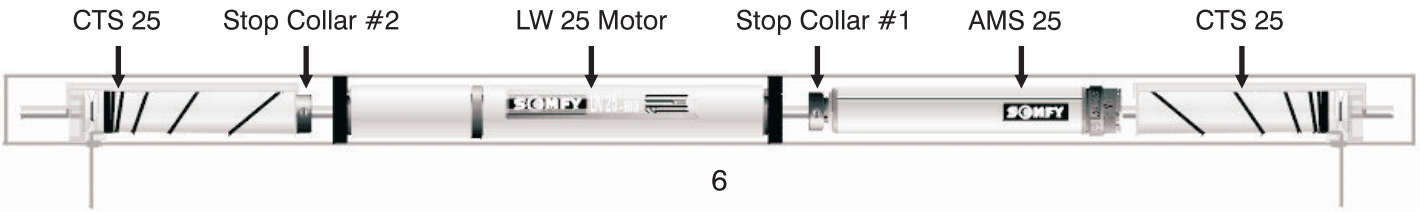
NOTE: Proper alignment of cones MUST be maintained to assure even blind operation. Be certain that "V-Grooves" are visible through cone cover when inserting hexagonal shaft into each CTS. (see figure below)



4. Slide stop collar ring against front of AMS and secure. This will prevent the AMS from "floating" and eliminate loosening of shaft from motor unit.

(Leave 1/16" space between AMS and CTS)

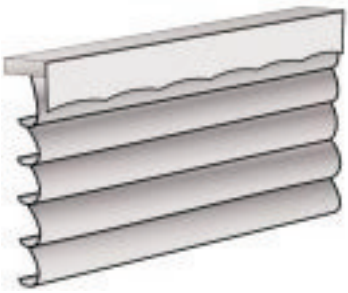
5. LW motors will require two shafts, therefore slide stop collar ring #2 to front of CTS and secure. (see figure below)



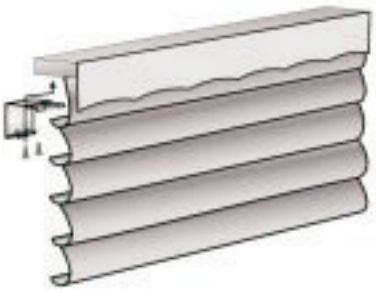
F. Attaching Motorized Headrail to Wooden Header Board

1. With take-up cords hanging, mount appropriate motorized headrail brackets to wooden header board.

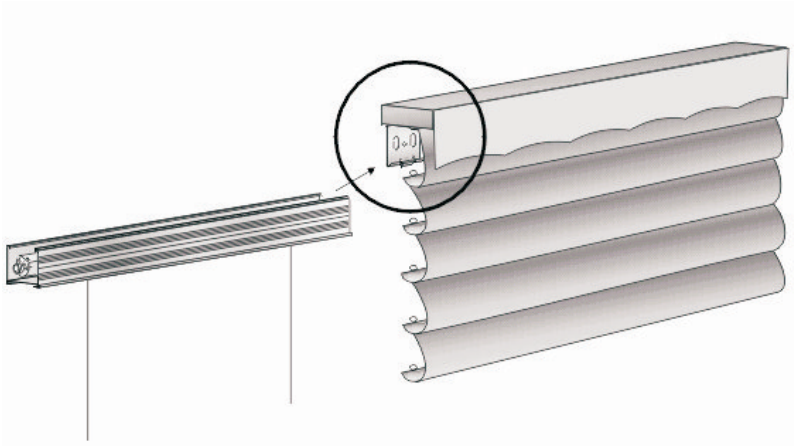
Roman Type Shade with
Wooden Header and Valance



Motorized Headrail mounting
Brackets Attached to Bottom
of Wooden Header Board



2. Attach motorized headrail to brackets mounted on wooden header board and attach take-up cords to window covering.



3. Adjust length of take-up cords at bottom bar for window covering levelness.
Attach necessary header board brackets.

G. Final Adjustments

1. Apply power to motor and operate in each direction.

2. Adjust take-up cords at bottom bar for levelness (if necessary)

3. Regulate the overall length of shade travel (if needed) by adjusting the AMS.
   (see adjusting the AMS below)

4. To ensure proper shade operation & uniformity, be certain to add sufficient weight to bottom bar of shade.

H. Adjusting the AMS (if neccessary)

1. Apply power to motor and operate in each direction.

2. To shorten the overall drop length of shade, operate shade to desired stop position, turn the AMS adjuster screw in direction #2 until screw will no longer turn freely.
   (Note: 12.5 revolutions of the adjuster screw equals 1 revolution of hexagonal shaft)

3. To increase the overall drop length of shade, simply turn the AMS adjuster screw in direction #1 until desired length is reached.
   (Note: Overall shade length is restricted to the length of take-up cords...)

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