

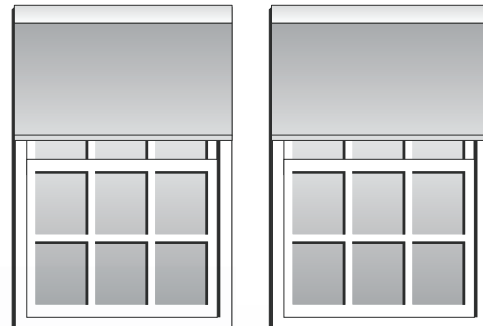


Fabrication Instructions

Low Voltage Roller Shade / Solar Screen Type Applications

DESCRIPTION

SOMFY's Low Voltage Tubular Motors provide quality motorization for today's roller shades, solar screens and products alike. The fabrication process is no more difficult than a manual shade... Each motor is designed to adapt within a 29mm roller tube, and can be mounted using standard type roller shade brackets.



COMPONENTS

Motor (LT28A, LT28B, LT28AF)

Roller Tube (29mm OD) (#6050526)

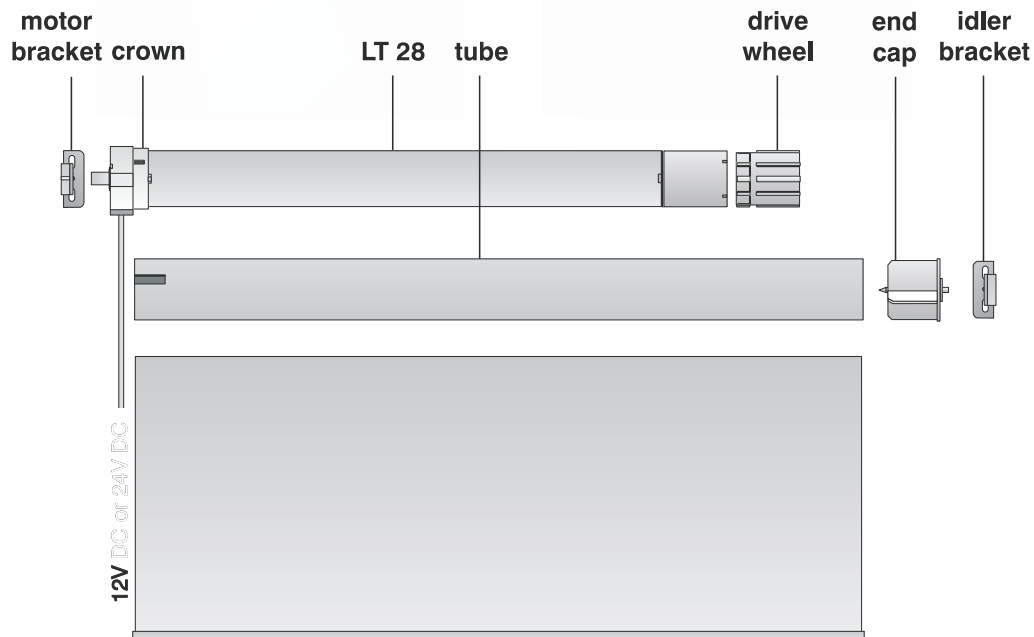
Crown and Drive (included with motor)

Idler End Pin (#6090315)

Motor and Idler Pin Brackets (#6180353/6180354 OB Mount) (#6180356 IB Mount)

SYSTEM CONFIGURATIONS

Motorization with LT28 is quite simple... Comprised of only 7 primary components, this 12V/24V DC LOW VOLTAGE motorization system provides precise operation of roller shades, solar screens and specialty shade applications.



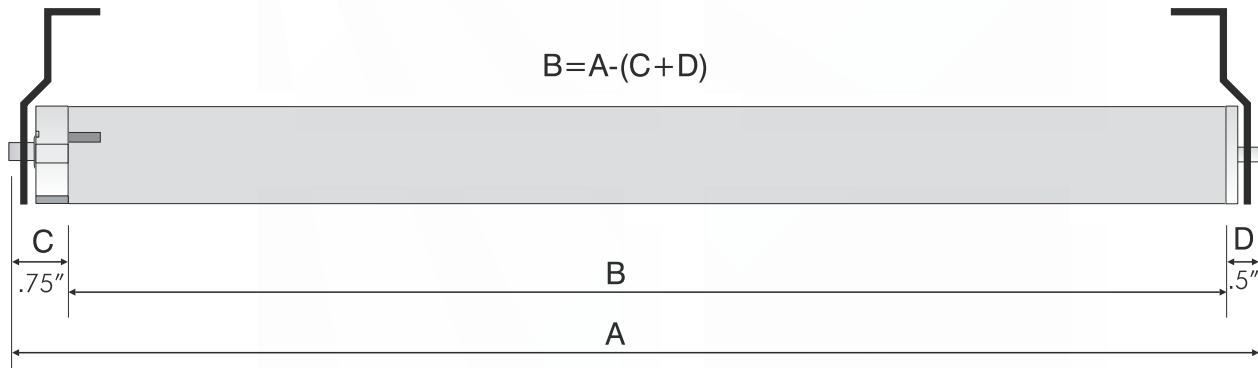
TECHNICAL SPECIFICATIONS

Motor Type	Maximum Tube Diameter	Maximum Lift Weight Lbs.	Maximum Height (Fabric Drop)	Minimum Width (Window Opening)	Speed (RPM)
LT28A/B/AF	29mm	11.5 Lbs.	12 Ft.	12.5"	34
Specifications are approximate and may vary depending on product application, fabric etc.					

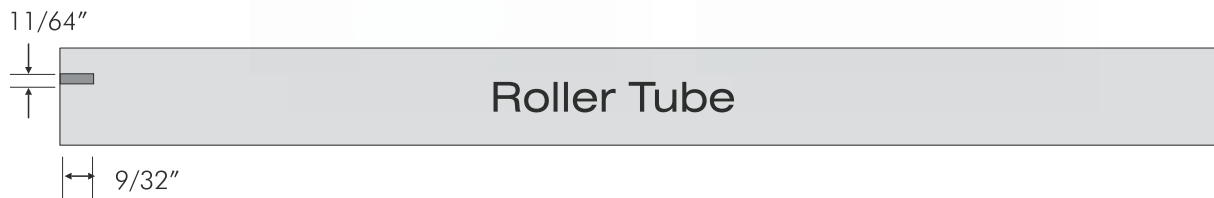
ASSEMBLY INSTRUCTIONS

A. Roller Tube Preparation

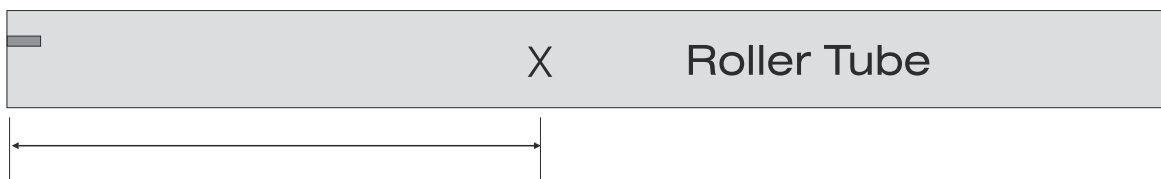
- Determine and cut the appropriate length of roller tube that is suitable for shade application. (reference light gap information below).



- Notch tube for key on motor crown (see illustration for dimensions)

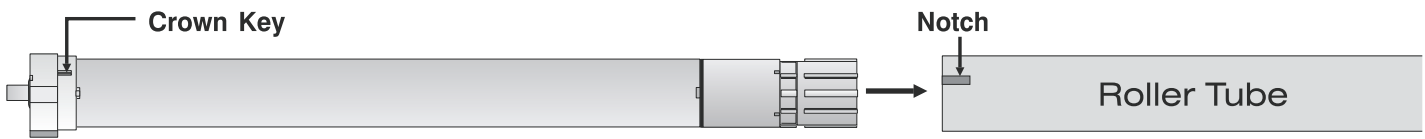


- Mark location of drive on tube.

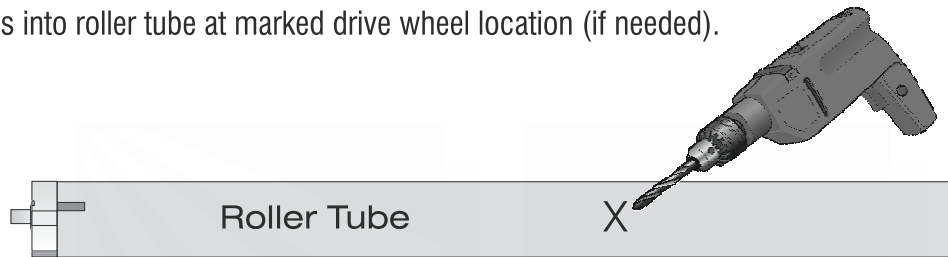


B. Motor Installation

1. Insert motor into roller tube, carefully aligning the motors crown key with the notch in the roller tube.



2. Drill holes into roller tube at marked drive wheel location (if needed).



3. Affix tube to motor drive using “counter sunk” type pop rivets (if needed).
4. Insert Idler End Pin into Idler side of roller tube.

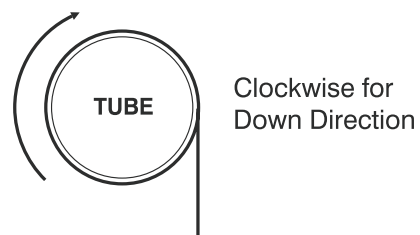
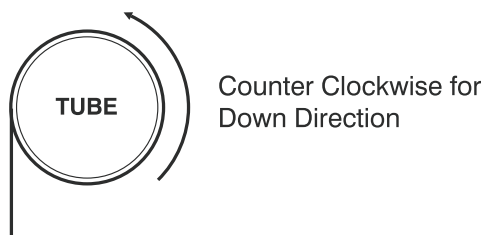


C. Securing Fabric to Roller Tube

1. Using double-sided adhesive tape, carefully align and position tape on roller tube.
2. Secure fabric to adhesive tape. To maintain shade “levelness”, be certain that fabric is properly aligned on roller tube.

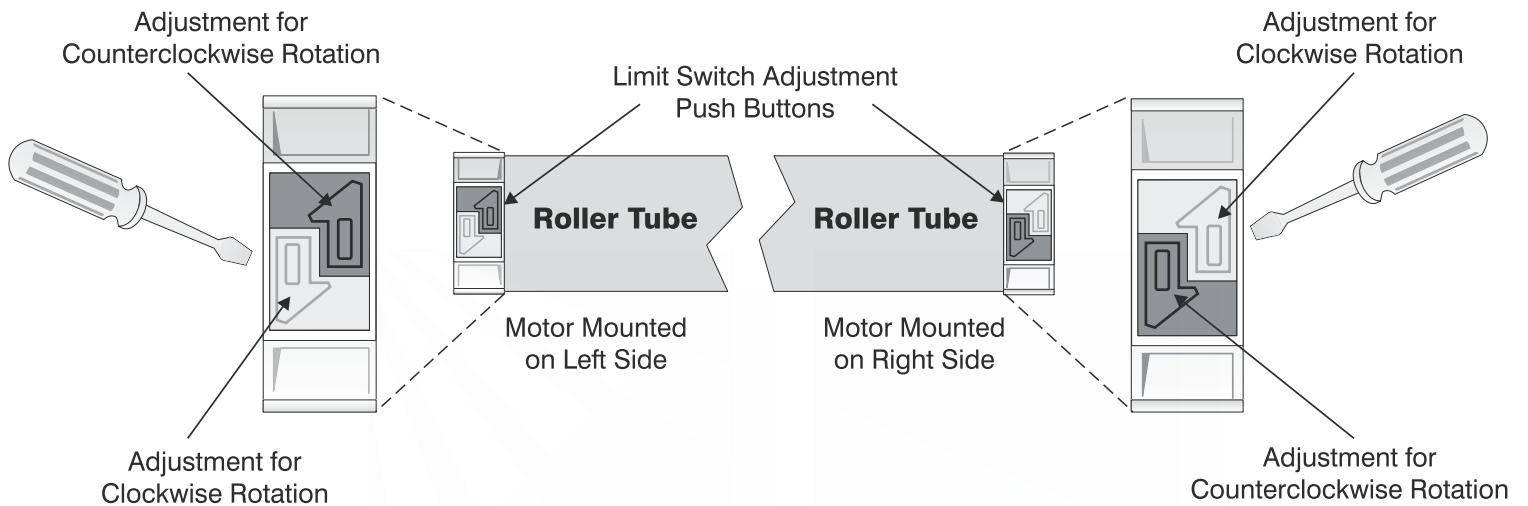
D. Adjusting Motor Limits

1. Determine the rotation of the roller shade for each direction.



D. Adjusting Motor Limits (Cont'd)

2. Locate limit switch push buttons on motor and match the limit arrow (direction indicator) with the direction to be adjusted.



3. With power supplied to motor (shade) use a small "bladed" screwdriver to depress the limit switch adjuster buttons.

To increase the amount of shade travel in given direction, depress the limit button which corresponds to the direction of rotation.

To reset limit adjustments, Simply depress each limit button until a "click" sound heard. (Button will remain fully engaged). Continue to depress button until a second click sound is heard, push button will return to it's normal state. (Limit will be reset for that direction)

Repeat process to reset other direction...

somfy®

SOMFY SYSTEMS, INC.
47 Commerce Drive
Cranbury, NJ 08512

SOMFY CANADA
6315 Shawson Drive, Unit #1
Mississauga, Ontario L5T1J2

SOMFY MEXICO S.A. De C.V.
Temazcal 19-B, La Loma
Tlalneponitla, Edo de Mex,
54130, Mexico

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