Cable Guided Roller Shade Install Guide

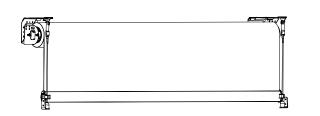
English

1.1

2.1

2.2

Installation Guide (please read before installing)



Cable Guided Roller Shade Install Guide is a complement to the enclosed Chassis Install Guide and Basic Wiring and Setup Guide. The Chassis Install Guide describes the mechanical installation for the particular mounting style you have. The Cable Guided Roller Shade Install Guide shows how to incorporate the cable guided mechanism into the installation. The Basic Wiring and Setup Guide describes the wiring and setup for proper function of the roller shade.

• 3/8 in and 7/16 in wrenches

• # 2 Phillips screwdriver

Hex extension bit

• 1/4 in socket

7/16 in socket

· Soft jaw pliers

Utility knife

Cable cutter

Wire stripper

Needle nose pliers

Laser level/plumb

• Drill

Tools required:

• Nicopress tool #64 - CGMP

(For cable with 3/32 in (2.4 mm) nylon outer dia. and 1/16 in (1.6 mm) bare cable dia.) Available from:

- McMaster-Carr (www.mcmaster.com) Item # 3582T1
- ALP Industries(www.alpind.com)
- Item # 0464CGMP06

 Nicopress tool #51 - MJ (For cable with 1/8 in (3.2 mm) nylon outer

dia. and 3/32 in (2.4 mm) bare cable dia.) Available from:

- McMaster-Carr (www.mcmaster.com) Item # 3582T22
- ALP Industries (www.alpind.com)
- Item # 0464CGMP06

Parts Included

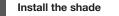
Ĩ			()	Q	Ē	0
	Upper cable anchor Qty 2	Turnbuckle Qty 2	Pin Qty 2	Ring Qty 2	¼-28 Jam nut Qty 2	Self drilling mounting screw Qty 12
Cable Qty 2		\bigcirc	8		Ĩ	Ð
	Lower cable anchor Qty 2	Lower cable anchor cap Qty 2	Lower mounting bracket Qty 2	Cable compression sleeve Qty 3	#10-32 Bracket assy screw Qty 2	#10-32 Lower bracket lock nut Qty 2

• Environment: Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0 to 90% humidity, non-condensing. Indoor use only.

A CAUTION: Risk of falling objects. Securely install the cable guided system per the mounting instructions. Failure to do so could result in minor or moderate injury.

- Do not apply any bleach-based products to any part of the cable guided shade assembly
- Cables are for use with Lutron shading products only and are to be used only as described herein.

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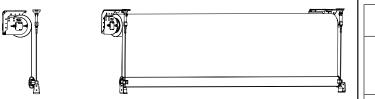
Install the shade per the Chassis Install Guide provided with the shade.

Note: Ensure there is adequate space to install the upper and lower cable anchors, and any resulting sag of the shade fabric will not interfere with the operation of the shade.

2 Planning the location of the upper and lower cable anchors

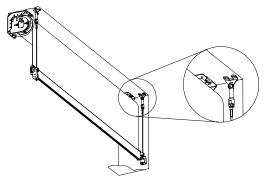
Cable Width must equal Fabric Width. Cables are to be plumb and square. Consider using a laser to help you align the top and bottom mounting points, or check diagonal measurements from the top of one cable to the bottom of the other cable.

The Upper Cable Width and Lower Cable Width must be equal, within ½ in (13 mm). Cables should be in the same plane when viewed from the side. Cables which are out of plane will result in uneven fabric sag.



A CAUTION: Upper and lower cable anchors, when installed, must be able to withstand up to 300 lb (135 kg). Failure to do so could result in minor or moderate injury.

3 Install the upper cable anchor bracket assembly



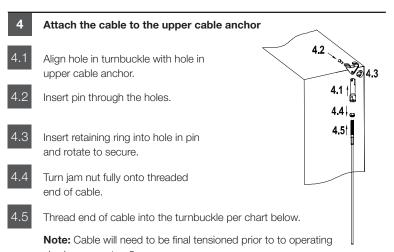
Attach the bracket assembly to the wall, ceiling, or jamb with the three mounting screws, or the appropriate fasteners for your mounting conditions.

3.2 Repeat for the second bracket assembly

A CAUTION: Upper cable anchors, when installed, must be able to withstand up to 300 lb (135 kg). Failure to do so could result in minor or moderate injury.







shade as per step 8.

Cable Length				Initial Number of Turns of Cable End Into Turnbuckle		
in		mm		Cable With 3/32 in (2.4 mm) Nylon Outer Diameter	Cable With 1/8 in (3.2 mm) Nylon Outer Diameter	
Over	Up to	Over	Up to	0	0	
-	24	-	600	18	32	
24	36	600	900	17	32	
36	48	900	1200	16	32	
48	60	1200	1500	15	31	
60	72	1500	1800	14	30	
72	84	1800	2100	13	30	
84	96	2100	2400	12	29	
96	108	2400	2700	11	29	
108	120	2700	3000	10	28	
120	132	3000	3400	9	27	
132	144	3400	3700	8	27	
144	156	3700	4000		26	
156	168	4000	4300		26	
168	180	4300	4600		24	
180	192	4600	4900		23	
192	204	4900	5200		22	
204	216	5200	5500		21	
216	228	5500	5800		19	
228	240	5800	6100		17	

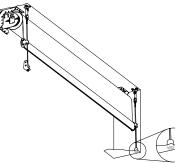
(*) dia of outer nylon coating

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Mounting the lower cable anchors

The lower cable anchor can be mounted directly to the floor or sill. It also can be mounted to the wall or jamb, by first mounting it to the lower mounting bracket. Choose the option that best suits your application.

Option A (Floor/Sill Mount)



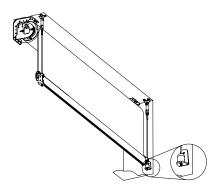
 Mount the lower cable anchor to the floor or sill with a self-drilling mounting screw, using a 1/4 in socket, or with the appropriate fastener for your mounting conditions.

A CAUTION: Lower cable anchors, when installed, must be able to withstand up to 300 lb (135 kg). Failure to do so could result in minor or moderate injury.



Note: Both cables must be parallel within $\frac{1}{2}$ in (13 mm) and at the same width as the shade fabric.

Option B (Wall/Jamb Mount)

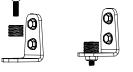


1. Attach the lower mounting bracket to the wall using two self-drilling mounting screws or with the appropriate fastener for your mounting condition.



CAUTION: Lower cable anchors, when installed, must be able to withstand up to 300 lb (135 kg). Failure to do so could result in minor or moderate injury.

2. Fasten the lower cable anchor to the lower mounting bracket with the lower bracket assembly screw and lower bracket assembly nut.



3. Repeat for the second lower mounting bracket and cable anchor.

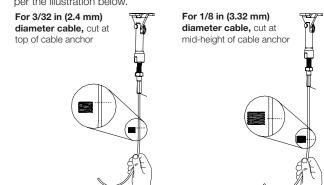
Prepare the lower end of the cable

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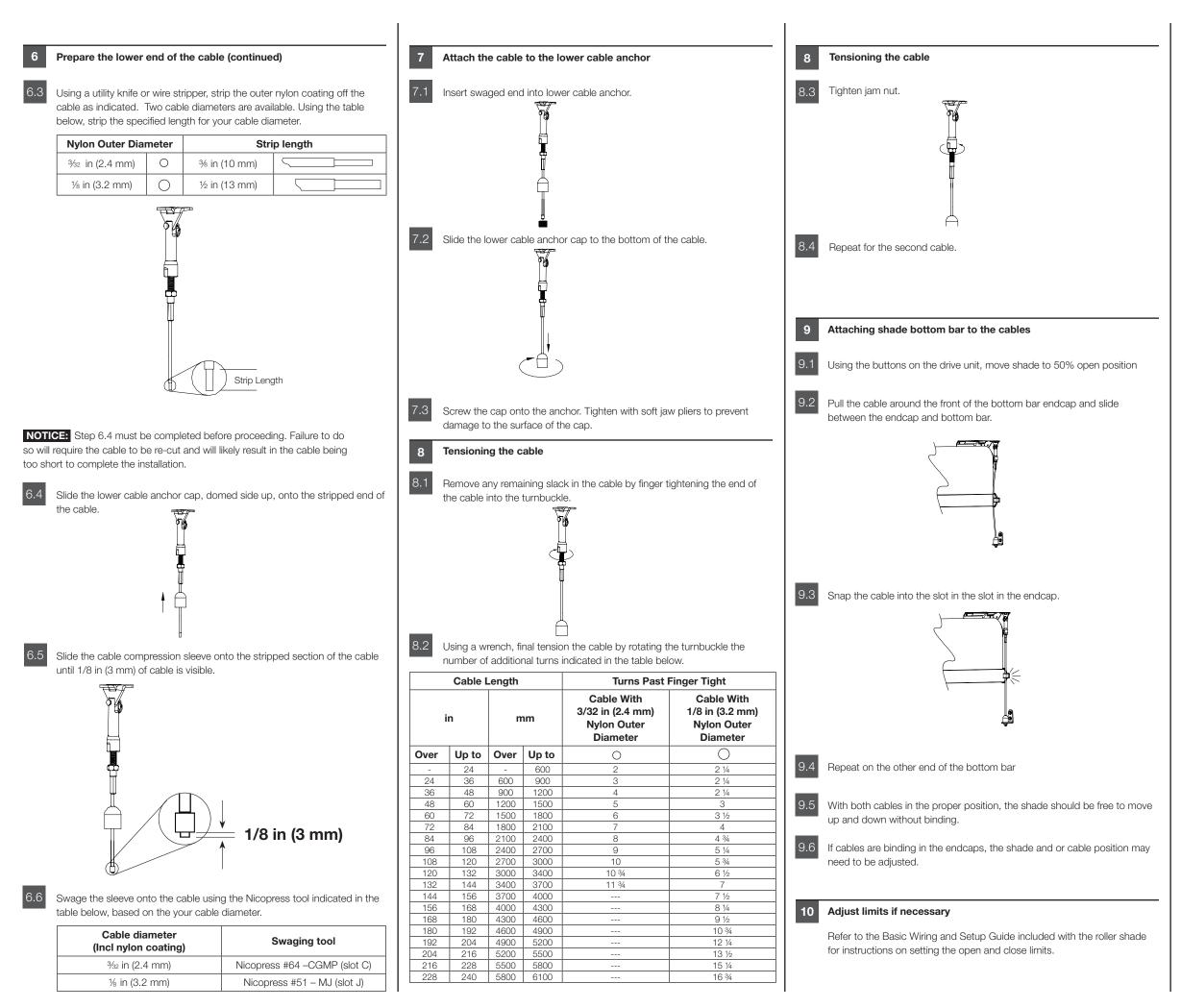
6.1

Verify the cable is attached to the upper cable anchor assembly, completed in step 4.

6.2 Pull cable tight, position adjacent to the lower cable anchor and cut per the illustration below.



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11 Troubleshooting

Symptom	Solution		
Cables are not parallel or in the same plane as the shade.	Adjust position of upper and/or lower cable anchors		
	Verify cables are tensioned properly		
Shade sags and hits window	Reposition shade to allow room for sag		
Shade sags more on one side than the other, and/or hembar	Verify shade is mounted level and both cables are tensioned the same, per the table in section 8.2		
is not level	Verify cable is centered in bottom bar end cap loop – adjust position of lower cable anchor if necessary		
	Laterally adjust the shade		
Hembar binds on cables	Verify cables are parallel with the edge of the shade fabric		
Shade telescopes	Refer to App note 411 for additional recommendations		

Limited Warranty

SCOPE

SCOFE This limited warranty ("Warranty") covers the Lutron supplied (a) Sivola, Shade System ("Sivola Shade System"), (b) Sivola Shade System ("Sivola Shade System"), (c) manual shade system and (c) alternating current or a c's shade system (each of the foregoing being a "System"). Customer acknowledges and agrees that use of the System constitutes acceptance of all terms and conditions of

LIMITED WARRANTY

Subject to the exclusions and restrictions described below. Lutror Subject to the exclusions and restrictions described below, Lutton warrants that each System will be free from manufacturing defects from the date of shipment by Lutron for a period of (a) one year as to the wall contols, interfaces and system accessories of the Sivola Shade System ("External Sivola Components") and (b) eight years as to the other Systems and the electronic drive unit, shade fabric and shade hardware of the Sivola Shade System. If any manufacturing defect axist in the External Sivola Components is horn as defect exists in the External Sivoia. QS Components, so long as Customer promptly notifies Lutron of the defect within the one year warranty period and, if requested by Lutron, returns the defective part(s), Lutron will, at its option, either repair the defective part(s) o rovide comparable replacement part(s). If any manufacturing del xists in any of the components of a System other than the Externa exists in any of the components of a System other than the External Skovia Components, so long as Customer promptly notifies Lutron of the defect within the eight year warranty period and, if requested by Lutron, returns the defective part(s), Lutron will, at its option, either repair the defective part(s) or issue a credit to the Customer against the purchase price of comparable replacement part(s) purchased from Lutron as provided below:

Number of years from date of shipment	Percentage of cost of replacement parts credited by Lutron	
Up to 2	100%	
More than 2 but not more than 5	50%	
More than 5 but not more than 8	25%	
More than 8	0%	

Replacement parts for the System provided by Lutron or, at its sole discretion, an approved vendor may be new, used, repaired inditioned, and/or made by a different manufacturer.

EXCLUSIONS AND RESTRICTIONS

his Warranty will be void, and Lutron and its suppliers will have no responsibility under this Warranty, if Lutron or its representatives responsibility under une vitarianty, in Lutron or its representatives cannot access any components of the System to inspect, diagnose problems with or repair the System or any of its components as a result of concealment or inaccessibility of such components within a building advance. building structure. This Warranty does not cover, and Lutron and its suppliers are not

responsible for: 1. Damage, malfunction or inoperability diagnosed by Lutron or a

- Lutron approved third party as caused by normal wear and tear. abuse, misuse, incorrect installation, neglect, accident, interference or environmental factors, such as (a) use of incorrect line voltages fuses or circuit breakers; (b) failure to install, maintain and operate tuses or crcuit breakers; (b) failure to instail, manitain and operate the System pursuant to the operating instructions provided by Lutron and the applicable provisions of the National Electrical Code and of the Safety Standards of Underwirfers Laboratories; (c) use of incompatible devices or accessories; (d) improper or insufficient ventilation; (e) unauthorized regains or adjustments or alterations; (f) vandalism; (g) an act of God, such as fire, lightning, flooding, tomade, aerthouse hurricane or other moheme heavend Lutron's tornado, earthquake, hurricane or other problems beyond Lutron control; or (h) direct exposure to corrosive materials.
- 2. On-site labor costs to diagnose issues with, and remove, repair replace, adjust, reinstall and/or reprogram the System or any of its components.
- Components and equipment external to the System, such as, non-Lutron lighting and automation systems; building wiring audio-visual equipment; and non-Lutron time clocks, photosensors and motion detectors.
- Inclusion detectors. 4. The cost of repaining or replacing other property that is damaged when any System does not work property, even if the damage was caused by the System. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS

WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO EIGHT YEARS FROM THE DATE OF SHIPMENT, EXCEPT THAT SUCH IMPLIED WARRANTIES ARE LIMITED TO ONE YEAR FROM THE DATE OF SHIPMENT AS TO THE EXTERNAL Sivoia COMPONENTS.

NO LUTRON AGENT. EMPLOYEE OR REPRESENTATIVE HAS ANY AUTHORITY TO BIND LUTRON TO ANY AFFIRMATION REPRESENTATION OR WARRANTY CONCERNING THE SYSTEMS. UNLESS AN AFFIRMATION, REPRESENTATION

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Contact the Lutron Technical Support Center at the numbers provided below or your local Lutron sales representative with questions concerning the installation or operation of the System or this Warranty or to make a warranty claim. Please provide the exact model number when motives when calling.

Worldwide Headquarters | USA

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