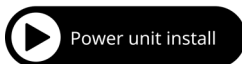


HOIST A TOP®

INSTALLATION MANUAL Strap Power Winch Unit



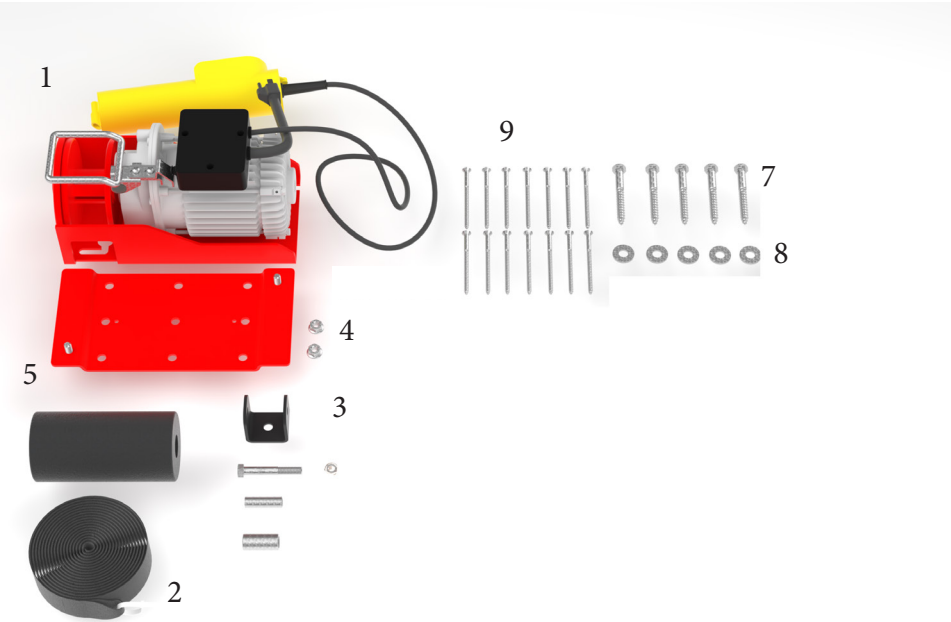
Parts List

Parts are listed by part number, Description, and quantity. The part Number may be referenced in the Instructions designated by parenthesis () for your convenience.

Tools and other needed items

- Stud Finder
- Power Drill
- Tape Measure and marking tool
- 11/64" & 9/64 Drill bits
- 9/16" Socket and wrench
- 13mm wrench
- 2x6 cut to length for cribbing joists
- Level
- Shims for leveling

Part No.	Description:	Qty:
1	110V Electric Winch with Mounting Plate	1
2	Lifting Strap for Electric Winch	1
3	Ceiling Pulley ("U" bracket, large roller, small roller, 3/8 bolt, 3/8 nylock nut)	1
4	5/16 Flange Nut (mounting plate)	2
5	Black foam safety stop	1
6	1/4 Quick Link (not pictured)	2
7	3/8 x 3 Lag Bolt	5
8	3/8 Flat Washer	5
9	3.5" Wood Screws	14



Call Us Directly for Help

If you need help or are missing a part **DO NOT CALL YOUR DEALER**. They are not equip to assist you. You will receive faster support though the factory **1-866-284-7428**. We offer Technical support Monday-Friday 9:00 AM to 4:30 PM Mountain Standard Time. Or send us an inquiry via email to **Support@LangeOriginals.com** anytime. No question or problem is trivial so we'll try and help any way we can. We use these products ourselves and like them, we hope you will too.

Lange Originals® is not responsible for damage or personal injury due to either improper Installation, custom installation, or installation that doesn't follow the instructions, or neglect. There are several on-line videos that are extremely helpful for this product. Most questions are answered visually by watching the videos (Scan the QR codes with your phone for access). You can also browse instructions section on our website or visit our YouTube channel.

Site Preparation

This hoist was designed to work in an 8ft - 15ft tall garage. If your ceiling is vaulted, or abnormal (anything other than parallel to the floor) please call us. We have seen enough garage configurations to provide assistance with your installation. We also Recommend consulting a contractor/professional for assistance.

First, determine the direction of your ceiling joists. There are two installation methods used Depending on the Joist direction relative to the garage door. The two possibilities to consider are listed in sequence by number in the following instructions

1. Perpendicular Ceiling Joists relative to Garage Door Installation.

2. Parallel Ceiling Joists relative to Garage Door Installation. If you have a parallel installation you may consider using our installation kit instead of 2x6. (Optional)

Locating the Right Spot to Lift Your top

Park your vehicle in a suitable location to lift your top, while still being able to open your rear Tailgate. To do this, most customers **back** there vehicle in the garage to a suitable parking spot and dry fit the assembled frame on your top, drop a plumb-bob from the ceiling to where the rear lifting point will be. See Figure 1 for exact locations. This location is where you will want to mount the power unit on the ceiling. Using a stud finder is helpful if you have sheet-rock.

1. Perpendicular Ceiling Joist relative to Garage Door Installation

This is the point on the ceiling you want to mark.

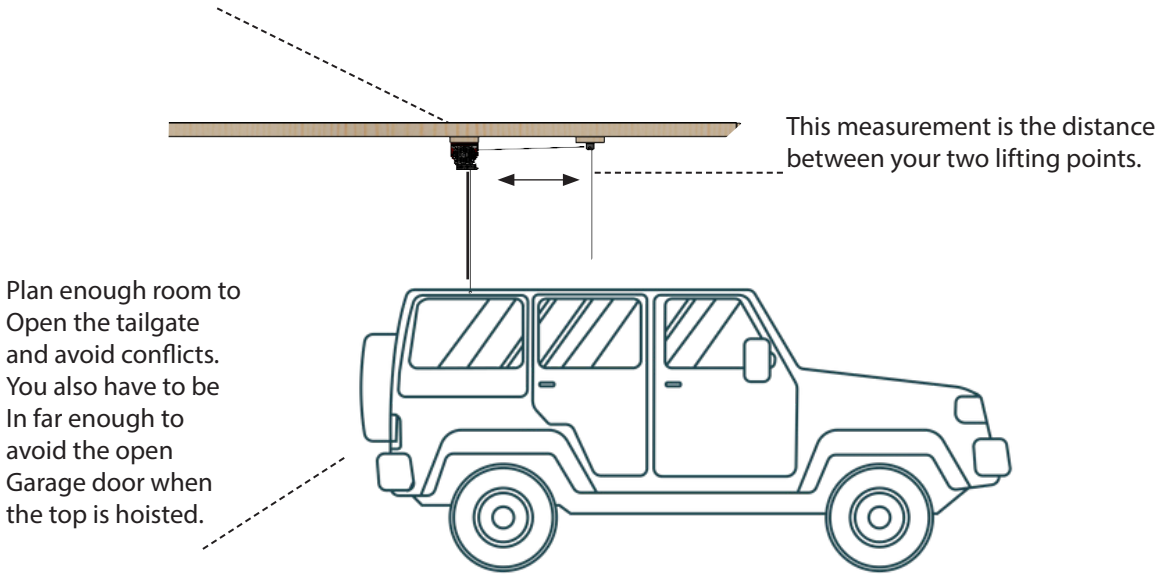


Fig. 1
Typical Dimensional Layout

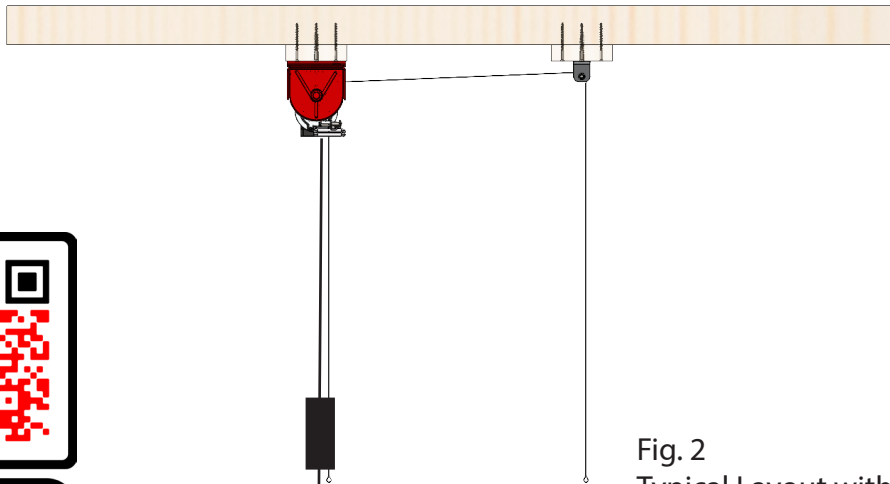


Fig. 2
Typical Layout with
Drop strap separation

1. Perpendicular Ceiling Joist relative to Garage Door

Installation

Install two, 2x6's (not supplied) longer than the length of the gap between joists (typically 16 or 24 inches). With the provided wood screws (PN: 9), cross brace the joists with the 2x6's Aligning the rear most 2x6 with the mark made on the ceiling when
Locating the right spot to lift your Hard top.

Center the mounting plate (PN: 1) on the 2x6 that will be at the rear of the vehicle. Mark and pilot the two center and outer most holes using a 11/64 drill bit (not supplied). Attach with two Lag Screws and Washers (PN:7,8).

Align pulley "U" bracket (PN: 3) center with the opposite 2x6. Then offset the edge of the U bracket 1/2" inside of the Mounting Plate (PN: 1) on the side aligned with the spool on the power unit. See Fig. 3 &4. Mark and pilot the hole Using a 11/64 drill bit and attach with Lag Screw and Washer (PN: 7,8).

With the Power Unit attached to the Mounting Plate, the spool should be straight in-line with the ceiling pulley. See fig. 4

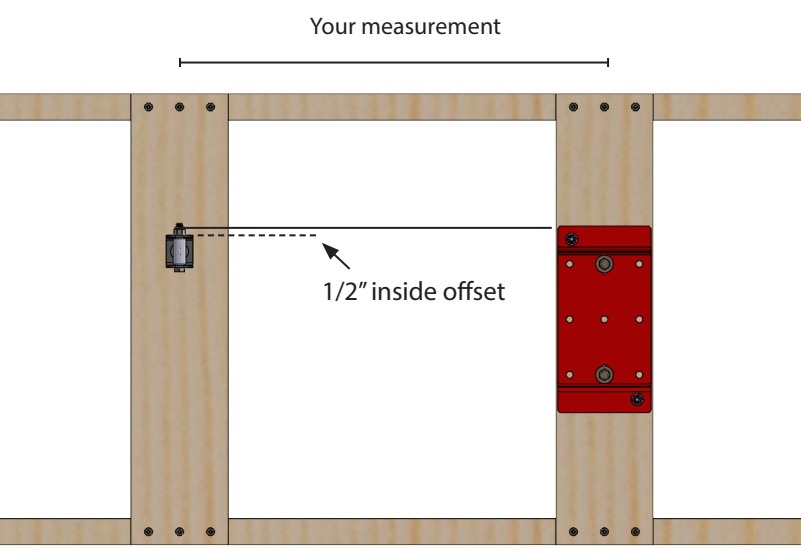


Fig. 3

Note: **Very Important**
With a level measure, make sure your power unit is level on the ceiling. An un-level power unit may cause the strap to wind unevenly causing folding or binding.

Note: Its **very important** that the strap runs straight out of the spool to the pulley. Failure to do this will result in the strap folding or not winding correctly.

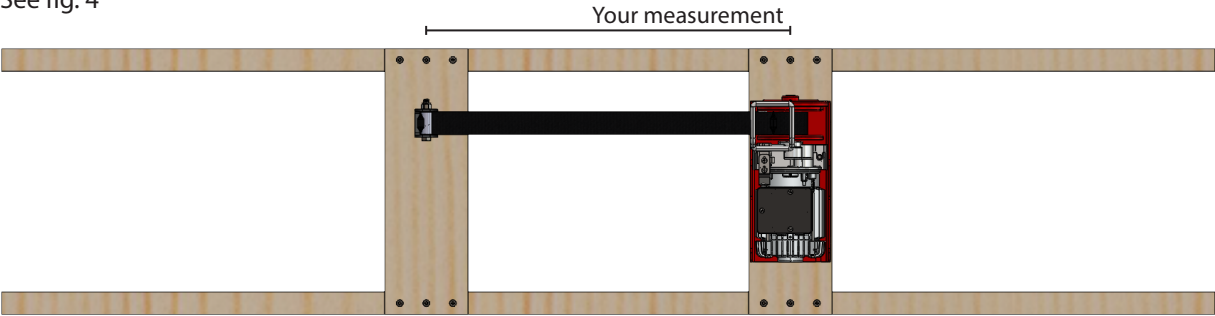
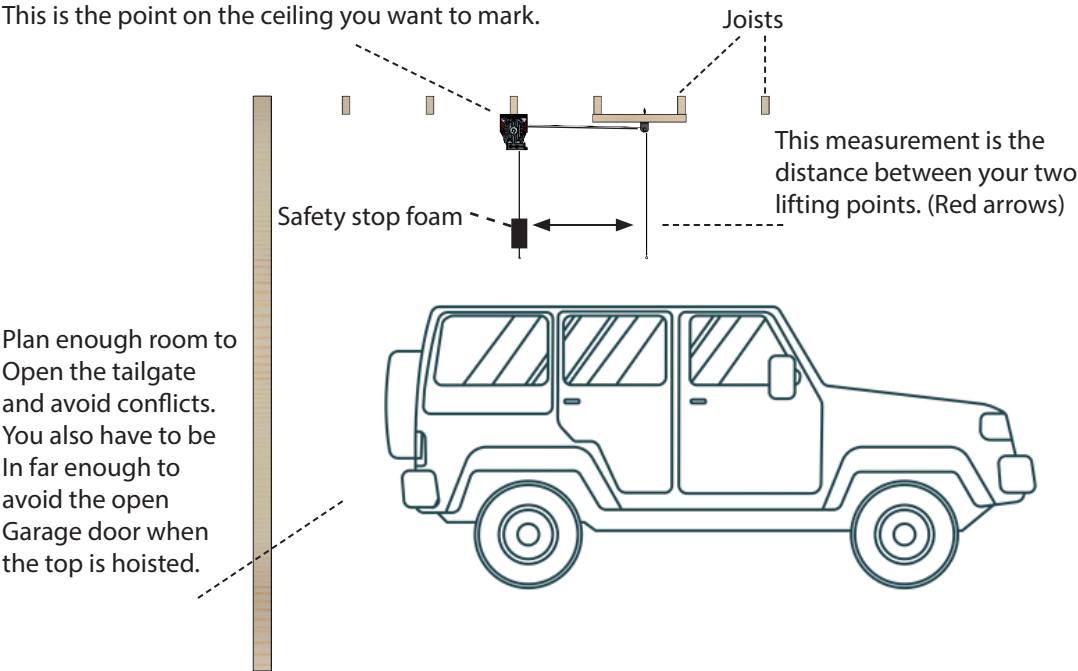


Fig. 4

2. Parallel Ceiling Joist relative to Garage Door Installation

This is the point on the ceiling you want to mark.



Plan enough room to Open the tailgate and avoid conflicts. You also have to be In far enough to avoid the open Garage door when the top is hoisted.

Fig. 5
Typical dimensional layout

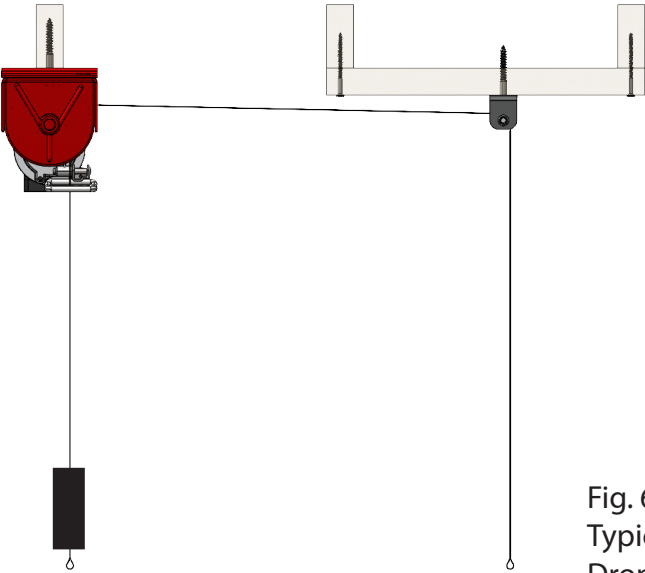


Fig. 6
Typical layout with Drop strap separation

2. Parallel Ceiling Joist relative to Garage Door Installation

Center the power unit mounting plate (PN: 1)
With the ceiling joist marked when *locating the right spot to lift your Hard top*. Mark and pilot the two center and outer most holes using a 11/64 drill bit (not supplied). Attach with two Lag Screws and Washers (PN: 7,8).

Install one 2x6 longer than the length of the gap between joists (typically 16 or 24 inches). With the provided Wood Screws (PN: 9) cross brace the joists with the 2x6, aligning the 2x6 center with the spool on the power unit. See Fig. 9.

Align pulley "U" bracket (PN: 3) on center of the 2x6 or joist with a 32" spacing from the center of the Power Unit Mounting Plate. Then offset the edge of the U bracket 1/2" inside of the Mounting Plate (PN: 1) on the side aligned with the spool on the Power Unit. See Fig. 9. Mark and pilot the hole using a 11/64 drill bit and attach with Lag Screw and Washer (PN: 7,8).

With the Power Unit attached to the Mounting Plate, the spool should be straight in-line with the Ceiling Pulley. See Fig. 9.

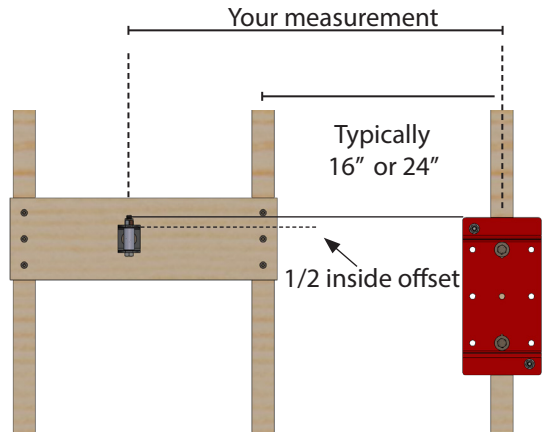


Fig. 7

Note: Very Important
With a level measure, make sure your power unit is level on the ceiling. An un-level power unit may wind the strap unevenly causing folding or binding.

Note: Its very important that the strap runs straight out of the spool to the pulley. Failure to do this will result in the strap folding or not winding correctly.

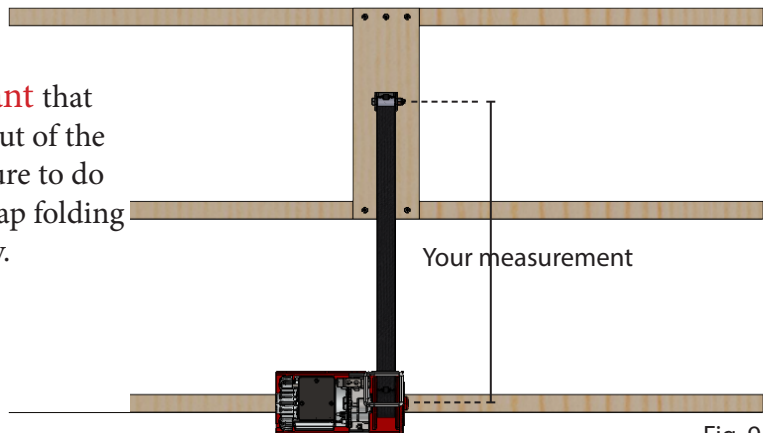


Fig. 9

Attaching the frame to the straps

First you will need to add the power Strap (PN: 2) to the spool on the Power Unit. With the zip-tie on the strap, thread it through the spool and out through the side housing then to the Pulley. See Fig. 16.

As shown in Fig. 15, take the Large Black Foam (PN: 5) and feed the Power Unit side of the Lifting Strap through it. This Foam piece will act as the safety stop engaging the trigger on the Power Unit as the top reaches its max lifting height. If you need more lifting room this foam can be trimmed.

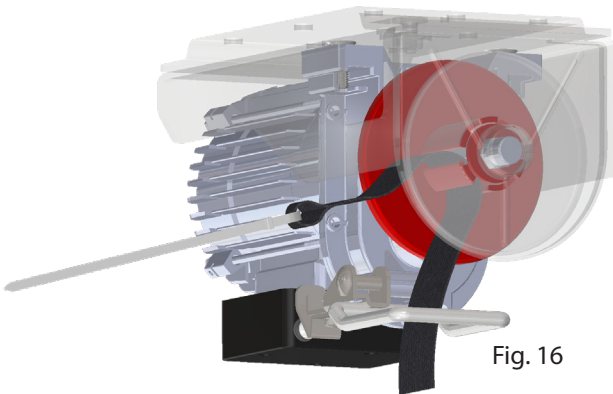


Fig. 16

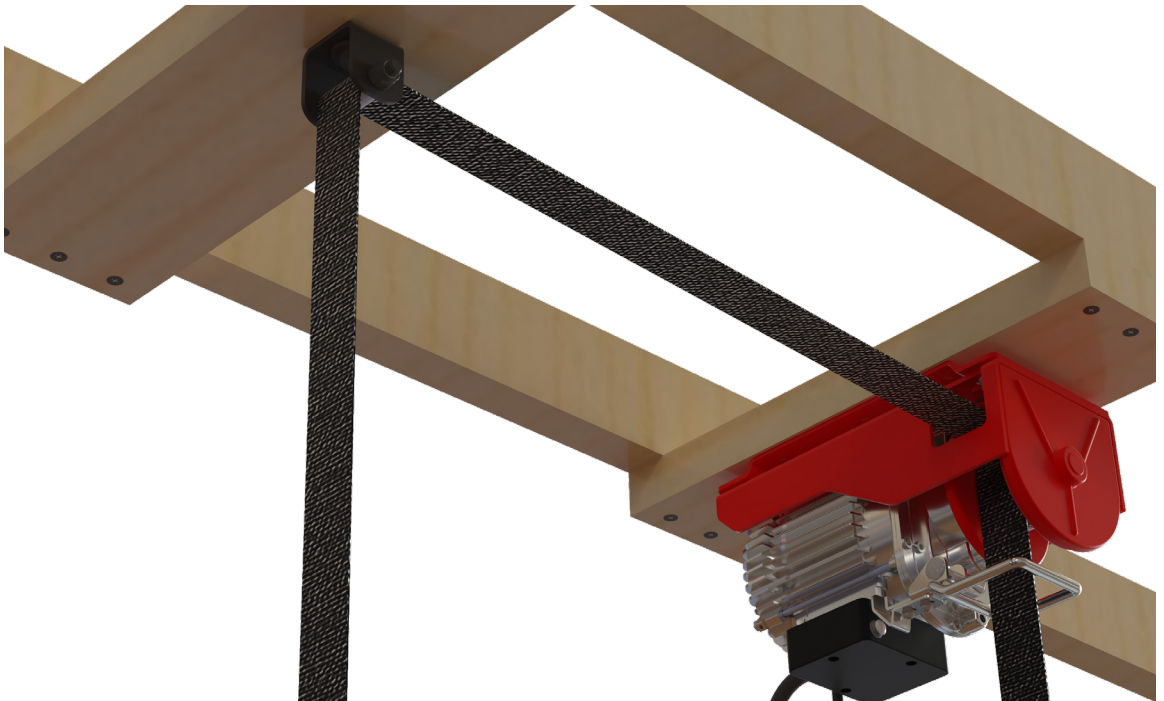
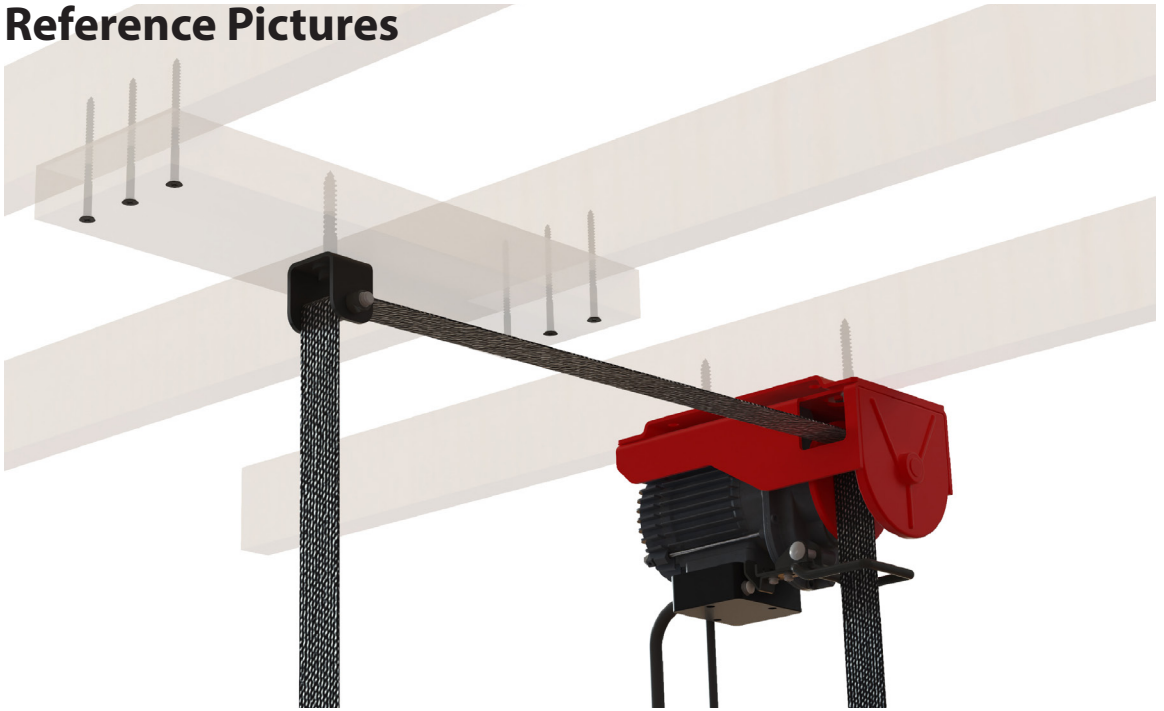


Fig. 15

Watch the video on how to adjust the strap length.



Reference Pictures



Lange Originals Limited Warranty

What the Warranty Covers

This Warranty covers defects from the manufacturing process that would render the product unusable. It does not cover damage or loss as a result of mishandling by the shipper or the installer.

Who is Covered?

This warranty covers the original purchaser of this device with an invoice of purchase or receipt from a valid, current dealer.

How Long Does the Coverage Last?

This warranty remains in force for one year, to the original purchaser, from the date of purchase on the invoice or receipt. This warranty applies only to products purchased from approved dealers of Lange's products.

What We Will Do to Correct the Problem

Lange Originals will repair or replace parts, at its discretion. Warranty does not cover third-party labor, Or return shipping.

How Do I Get Service?

To obtain warranty repairs, obtain an authorization from Lange Originals for either a return, or Replacement part. Call: 801-262-7322 Monday through Friday, 9:00am to 4:30pm Mountain Time.

This Warranty Does Not Cover

Abuse, neglect, carelessness, or accident.

Incidental loss of property.

Any defect caused by alteration of the site or product.

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