

Lange Originals Limited Warranty

What the Warranty Covers:

This warranty covers defects from the manufacturing process that would render the product unusable. It also covers items missing from the packaging unless the damage or loss is the result of mishandling by the shipper.

Who is Covered?

This warranty covers the original purchaser of this device with a 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 approved dealers of Lange's products.

What We Will do to Correct the Problem:

Lange Originals will repair or replace, at their discretion parts or the whole. Warranty does not cover 3rd party labor, or return shipping.

How do I Get Service?

To obtain warranty repairs, you must obtain authorization from Lange Originals for either a return, or replacement part. If you wish to make other arrangements for repairs/replacement, notify us on our form via our website langeoriginals.com and click on the warranty tab. We will respond in writing on how to proceed. Please do not contact your dealer, contact Lange Originals directly to avoid delays. Please note you will be asked to provide information such as dealer receipt/invoice and sometimes pictures of the item. Return shipping is not covered. We will ship any repaired or replacement items at no cost.

Normal Responsibilities of the Buyer:

Buyer is responsible for the inspection and tightening of bolts, nuts, screws, lag screws, gears, pulleys, casters, u-clamps, hooks and any other parts that require regular attention. Lubricating of some parts is necessary such as the crank type worm gear, on crank type lifting units.

This Warranty Does Not Cover:

- 1.Any defect caused by abuse, misuse, neglect, carelessness, or accident.
- 2.Loss of time, loss of use, towing charges, bus fare, car rentals, labor costs of installers, or other incidental damages of property.
- 3.Damage as a result of not properly following directions, or common safety practices with tools, ladders, and other instruments or tools during installation.
- 4.Deterioration from wear or exposure.
- 5.Any defect caused by alteration or modification of the home/garage.
- 6.Any defect which would not have occurred if instructions in the instruct manual had been followed.
- 7.Failure of an Chrysler product due to lack of understanding. For example if a buyer does not correctly unfasten electrical cables
- 8.All disputes concerning this warranty would take place in Utah courts and under Utah law.
- 9.Shipping damage is covered under our customer satisfaction 30 day return policy, but is not covered after this period of time.
- 10.Minor cosmetic issues such as paint flaws, mis-shaped foam pieces that do not affect the function of the product as determined by Lange.
- 11.Lange Originals LLC reserves the right to change this document at any time and is not limited to the terms and conditions described here.

TRUCK HOIST A TOP

Safety Requirements Please Read!

Please thoroughly read and understand these instructions before installing your Hoist-A-Top® and before lifting your top.

When installing the Hoist-A-Top® remember safety first! Make sure you use proper safety equipment when installing this product. Use gloves and eye protection. Be careful on ladders. If you are unsure about installing this product consult a professional or call us at the factory.

Cautions:

- **Make sure your garage or structure is capable of supporting the weight of your top. If there is any question about your structure's integrity, consult a professional.**
- **Before lifting your top make sure that all hardware is properly fastened to the center of your studs in your wall and ceiling. Wire clamps must be checked and tightened regularly.**
- **Do a dead weight lift to initially test your installation.**
- **Upon lifting your top for the first time and subsequent times thereafter visually and check that all hardware including but not limited to wire clamps, elevator bolts, hooks, wire cable, crank hoist, and lifting strap. Make sure all are tight and in good working order.**
- **Lange Originals is not responsible for damage or personal injury due to improper installation, custom installation that doesn't follow the instructions, or neglect to inspect equipment prior to using equipment.**

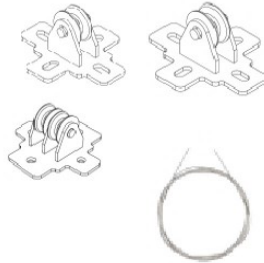
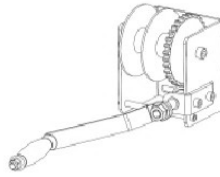
If you need help for any reason DO NOT CALL YOUR DEALER Please contact us direct at the factory. We can help with missing parts or for help with installation.

Call toll free 1-866-284-7428 or email at contact1@langeoriginals.com

Parts list

FOR MANUAL UNIT

- (1) Crank Unit
- (2) Lifting Straps
- (2) single pulleys
- (1) double pulley
- (1) 43 foot cable



Parts Bag

- wire cable clamps
- (2) wire thimbles
- (14) wood screws for attaching pulleys to 2x6
- (2) 3 inch lag screws



X6



X2



X14



X2

Tools and supplies needed:

9/16 socket

11/16 socket

5/16 socket or nut driver

Electric screw gun

Stud finder (optional)

Level (optional)

2x6 8 feet . (If your studs are not at 16 inch centers or you don't have centered studs you will need a longer 2x6.)

3.5 to 4 inch long screws to attach the 2x6 to your wall and ceiling. (approx. 20)

Note: on the crank unit you are limited to 20 feet of cable. Your total measurement for **A B and C must be less than 20 feet.**

Note: double pulley can be installed On wall or on ceiling as long as it stays Parallel with the crank unit

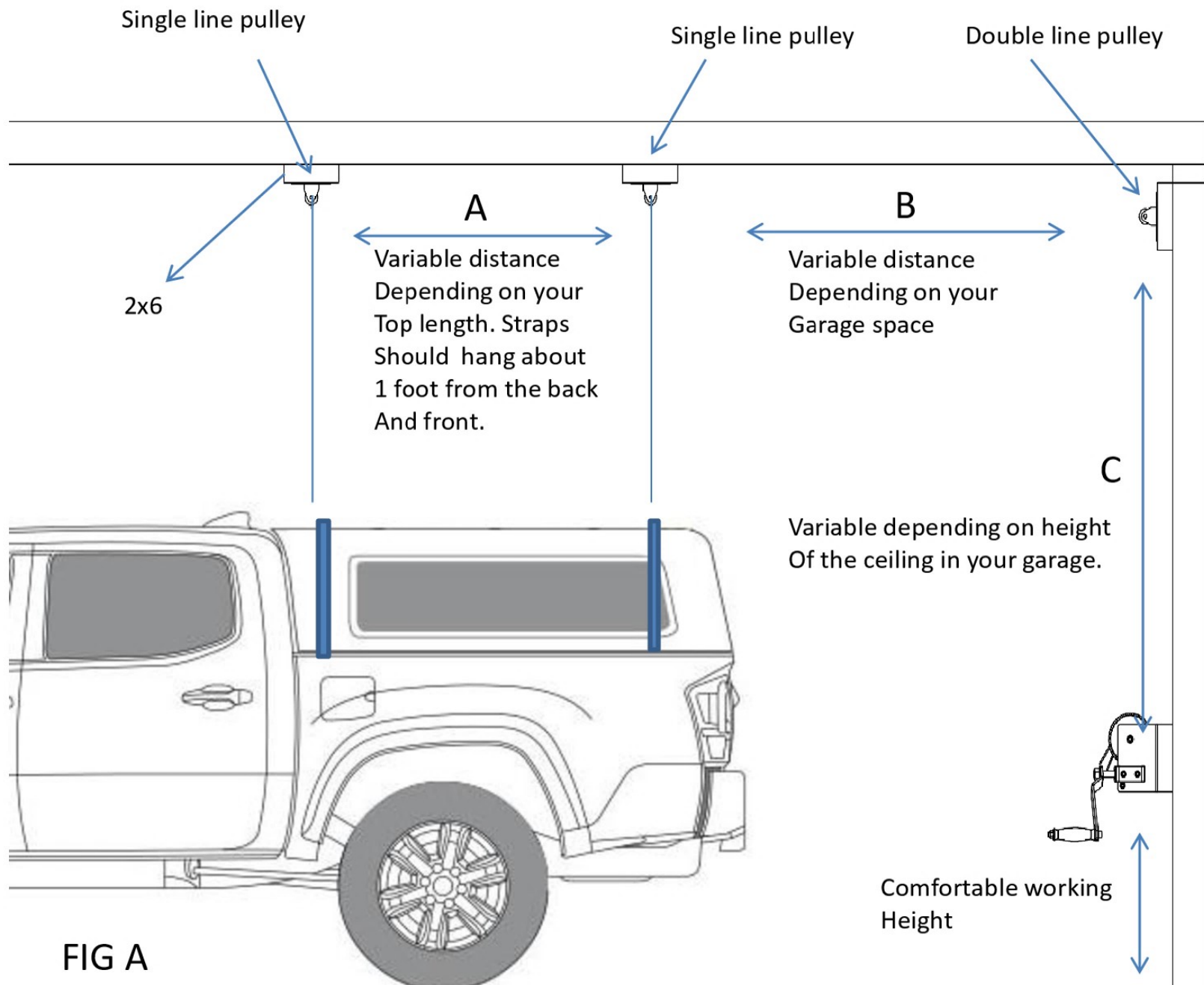


FIG A

Install Crank unit to the wall

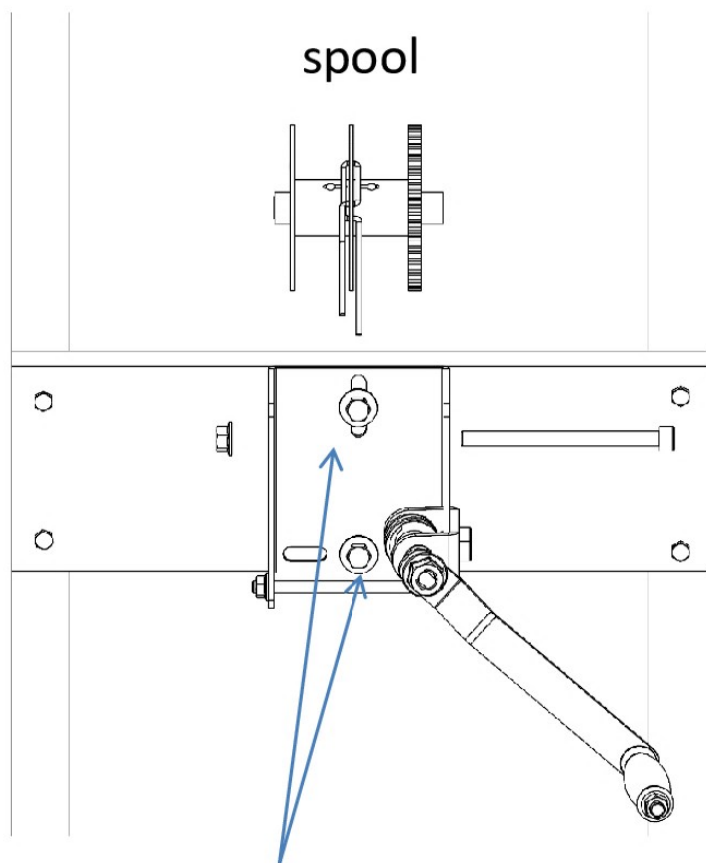
Remove the spool from the crank unit using the 11/16 and 9/16 socket

Cut one section of a 2x6 to 20 inches. Mount it to your wall using at least 4 screws (two in each stud) approx. 50 inches above the floor.

Mount your crank unit to the center of the 2x6 using the 2 3 inch lag screws and washers provided.

REQUIRED: a small amount of automotive grease applied to the worm drive gear will help the drive turn smoothly

NOTE: when replacing the bolt connecting the spool, take caution to not over tighten.



Three inch Lag screws & Washers

Installing the Cable

1. Unclip the wire bundle and stretch out the wire. The cable is 43 feet in total. 23 feet for the right side of the drum (the strap side) and 20 feet for the left side of the drum (the hook side)
2. Mark the cable at the 23 foot line with a marker or piece of tape. Center your mark in one of the large holes and lace one of each side of the cable through the two smaller holes. You should finish with the longer cable on the right side of the spool. FIG H
3. Loop both wire ends through the double pulley in the corner of the ceiling. Take care that the cables don't cross and that the long side stays on the right pulley and the shorter side stays left.
4. Pull the left side cable (the shorter cable) through the middle single pulley in the ceiling. This line will be for the rear of the lifting frame.
5. Pull the right side cable (the longer cable) through the front pulley (this should be the pulley that was installed $\frac{1}{2}$ inch left of center) This cable will attach to the front of the lifting frame.
6. Attach the cables to the front and rear strap using the wire thimbles and clamps.

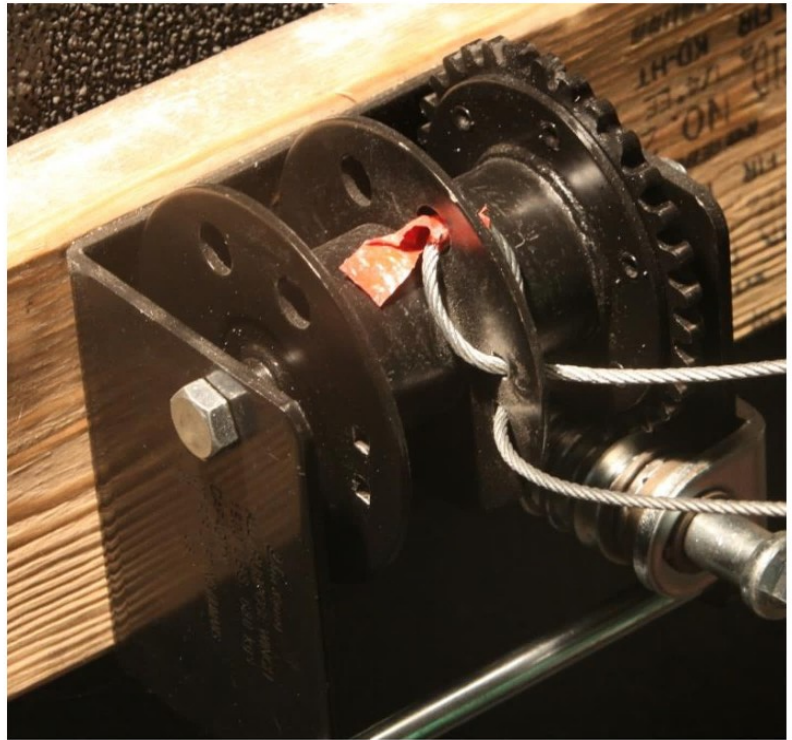
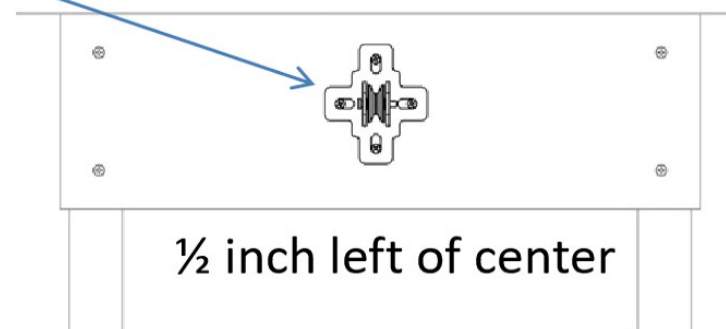
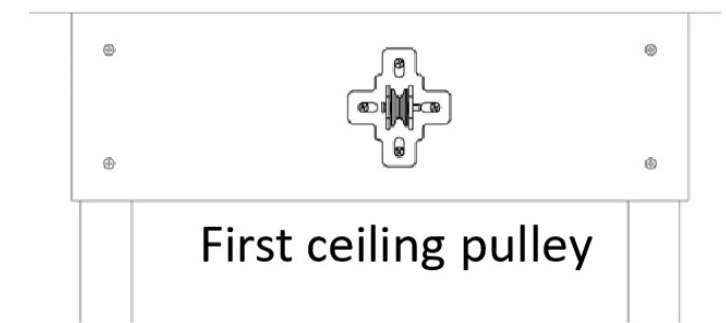
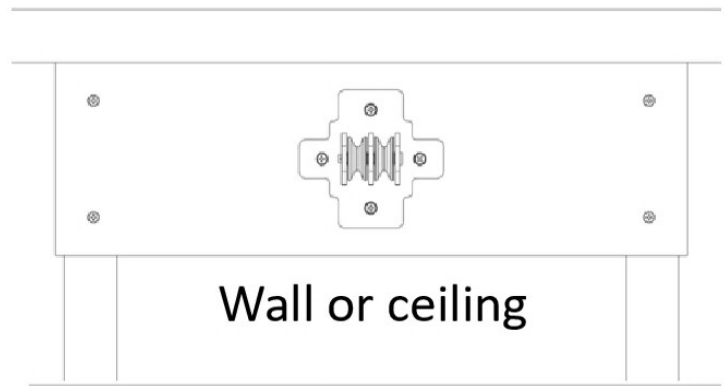
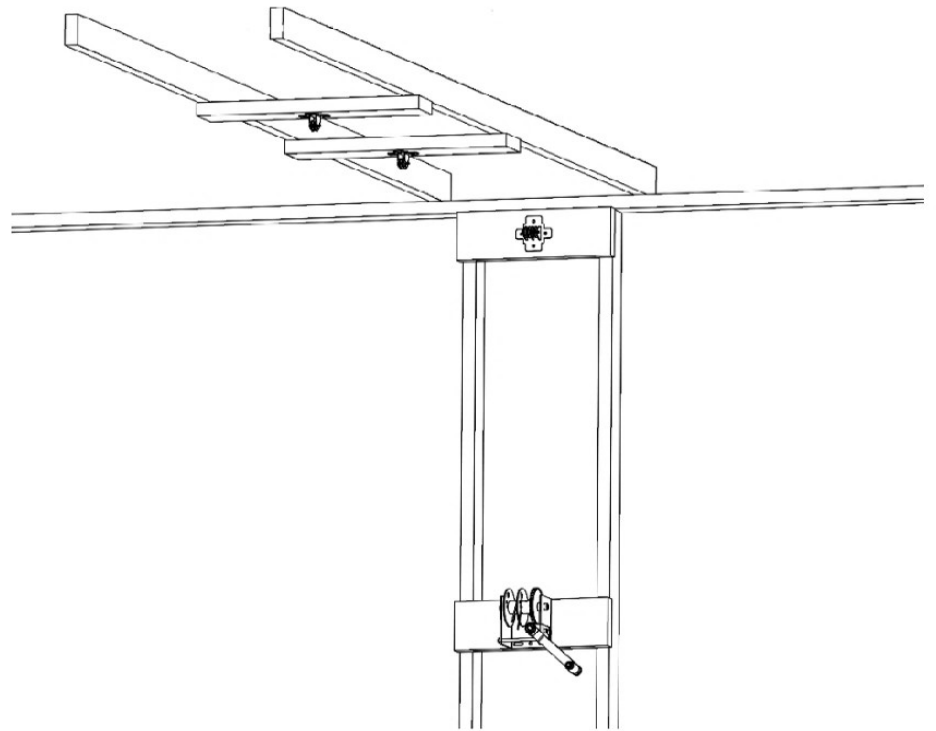


FIG H

Pulley installation

Determine if your studs run perpendicular or Parallel with your garage door. If your studs run perpendicular to (or the opposite direction as your garage door) please see the next section

1. Mount the 2x6 with the double pulley in the top corner of the wall or the ceiling directly above the crank unit.
2. Measure the distance from the wall to the back of your truck where you plan to lift the top. Mount the 2x6 with the single pulley centered at this point. This will be the side closest to the wall
3. From the center of the middle 2x6 measure over to the desired lifting point, and install the 2x6 with the single pulley that is left of center.
4. Mount the second single pulley $\frac{1}{2}$ inch left of center on the 2x6. This will allow the second cable to run along the ceiling without interfering with the other cable.
5. With the mounting screws provided, mount the double pulley and one of the single pulleys in the center of your 2x6.



Perpendicular stud Installation

See figure C and D

1. Mount the double pulley on a 20 inch 2x6. You can mount your double pulley on the ceiling or at the top of the wall.
2. Cut your 2x6 to the desired length of the lifting area.
3. With the provided hardware attach both single pulleys on the 2x6 to your desired length. Make the first pulley on center and the second pulley $\frac{1}{2}$ inch left of center. This will allow the cables to run next to each other without interference. (Figure D)
4. Attach your long 2x6 to studs on the ceiling in line with the double pulley in the corner of the wall. The distance between the double pulley and the first single pulley can be custom to your garage. (FIGURE C)

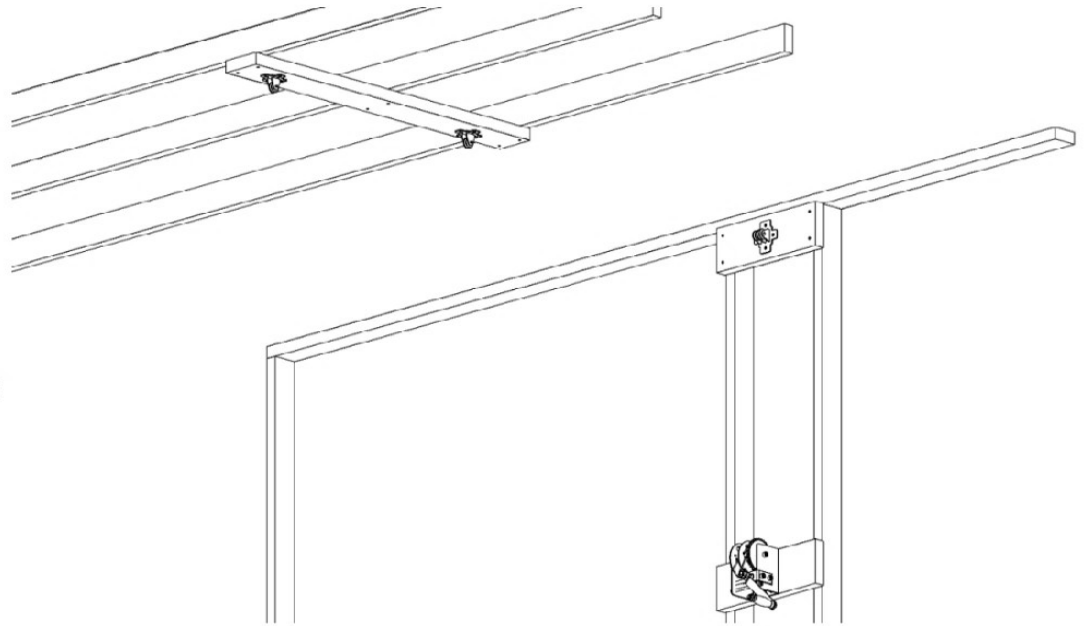


FIG C

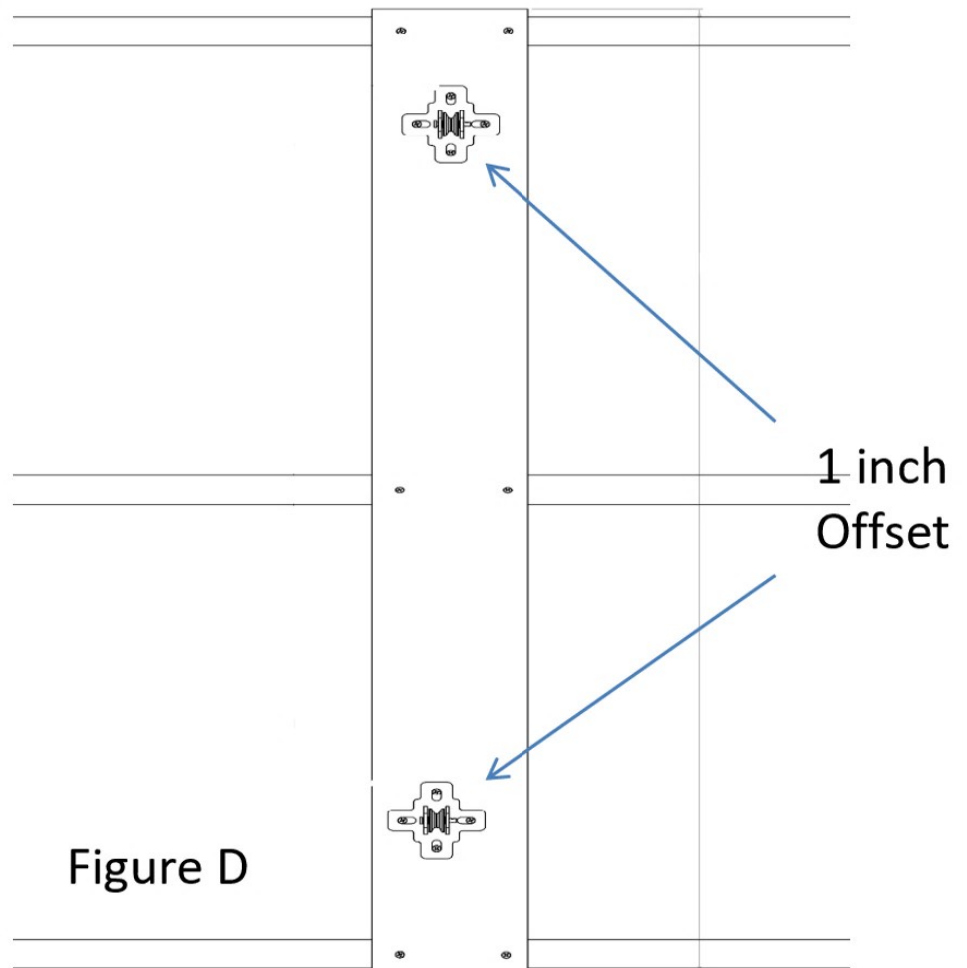


Figure D

Attaching your straps to the cable

Run your cables through the double pulley and each of the single pulleys.

Attach your lifting straps by lacing your three wire clamps onto the cable.

Put the thimble through the loop of the lifting strap then wire through the thimble and back through the cable clamps.

See FIG E

VERY IMPORTANT

!!!PUT ON WIRE CLAMPS AS SHOWN IN FIG F MAKE SURE CLAMPS ARE TIGHT BEFORE LIFTING TOP!!



FIG E

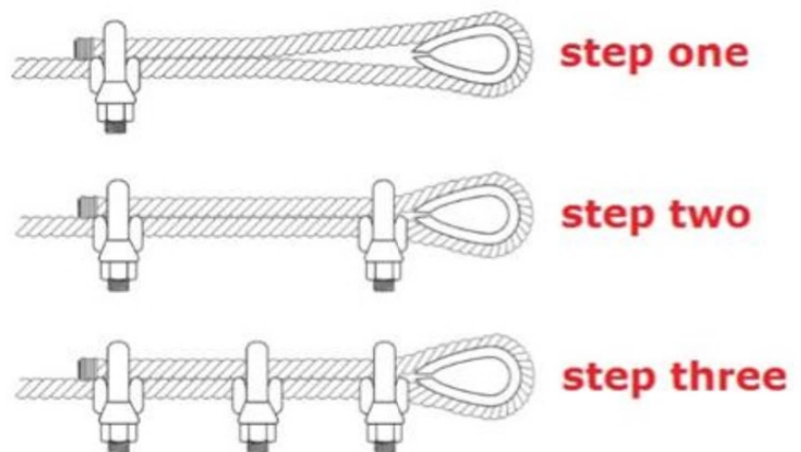


FIG F

Lifting Your Top

1. **Before you lift your top**
Test all connections make sure hardware is secure in the ceiling and bolts are tight.
2. Back your truck into the lifting position . The rear strap should hang approximately 1 to 2 feet from the back of your camper top.
3. The front lifting strap should be similar to the rear strap. Approximately 1 to 2 feet from the front of the camper top.
4. Release all hardware holding down the your camper top. Don't forget any wiring that might be attached for lights or cameras.
5. With one hand or with the help of a friend, slightly Lift one front corner of your top at a time and slide the lifting strap in between your top and the body of the truck. Slip the hook over the lip edge of the camper. FIG H
6. Turn your crank clockwise to begin lifting your top.
7. If your top is not lifting evenly, You may need to adjust the length of the cable attached to the front or rear strap. Adjust by loosening the wire clamps and adjusting the length of the cable. Be sure to properly tighten wire clamps before lifting.



FIG H