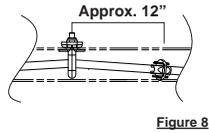


### Step 8: Adjusting Shock Cord Tension

With the ladder in the stowed position firmly pull the shock cords towards the back of the vehicle causing tension on the sliding mount assembly securing the ladder in place.

Next, slide the shock cord ends into the holding slots on the back of the fixed mount. (See Figure 7) Leaving several inches of slack tucked behind for future adjustment, tie a knot in the excess end and cut off the unused part of the shock cord approximately 1" inch beyond the knot. Remove ladder.



### Step 9: Install Stop Plates

Secure the forward and rear stops (F) using one strut channel nut (E), one 0.75" washer (K), one lock washer (N), and one 1/4-20 hex head screw (H) on each.

Secure the forward stop approximately 1-1/2" in front of the sliding mount while in the stowed position. The forward stop should allow the sliding mount to move forward just enough as is necessary to remove the ladder's bottom rung from the fixed catch.

Secure the rear stop approximately 20" ahead of the fixed catch. The rear stop should limit the backward travel of the sliding mount allowing you to pull the ladder easily off the pin without hitting the fixed catch assembly.

### Step 10: Slack Control Clip Installation

With the ladder in the stowed position and the shock cord tension set, press a slack control clip onto each shock cord at approximately 12" in front of the shock cord guide (See Figure 8). Adjustments may be necessary depending on shock cord tension and ladder size.

### ATTENTION!

After you have completed the installation of your Jet Rack® system, wipe down the strut with a cloth to remove any debris. Next, using an applicator, apply a generous amount of white lithium grease to the inside of the strut allowing for the smooth travel of the sliding mount.

**Your Jet Rack® is now ready for many years of service.**



### General Maintenance

Apply white lithium grease to the strut a couple of times a year to keep the system operating smoothly. Your Jet Rack® system is designed for many years of proper use, however as with all shock cords, they should be checked regularly for wear along their entire length. If the outer jacket becomes severely frayed or broken, it is important that you immediately replace the shock cord with the same type as the one that was supplied with your Jet Rack® system. NEVER use a standard rubber cord to operate your Jet Rack® system. They are not compatible and your Jet Rack® system may not function properly. In addition, using a rubber chock cord may be dangerous, as they are known to fail quickly if damaged.

### WARNING!

**To reduce the risk of serious personal injury, read and follow all instructions and warnings before installing or using this product. Always wear personal protective equipment during the installation.**



The Jet Rack® system is designed to easily load, unload, and carry a ladder inside a truck, van or utility cap. It is not designed as a safety device. Travel on rough terrain may require additional securing of the ladder to ensure that it stays in place.

NEVER install the Jet Rack® system inside a passenger compartment.

Do not allow anyone to be directly underneath or to the side of the ladder during the installation/set-up procedure except to help with the mounting.

Never operate the Jet Rack® while people are anywhere beneath the ladder or within the travel area of the ladder.

Never allow persons to sit directly below or off to the side of the ladder while traveling.

If you experience an accident or jarring, sudden stop - as soon as it is safe to do so - check to ensure that both your ladder and Jet Rack® are fully secured and in good working order.

Faulty installation or improper usage could cause the ladder or entire system to fall causing severe injury.

### Replacement Parts

For information on replacement parts for your Jet Rack® system, please visit [www.alhansen.com](http://www.alhansen.com) and fill out the contact form or call 847-244-8900.

If you need to replace the shock cord, only replace with those supplied by the manufacturer. Use of another style of cord could result in the malfunction of and/or damage to your Jet Rack® system.

### Questions? Comments? Testimonials?

E-mail: [info@alhansen.com](mailto:info@alhansen.com)

# JET Rack®

INTERIOR LADDER STORAGE SYSTEM

## Installation/Owners Manual



**The Industry Standard  
#1 Selling Sliding Ladder Rack.**

JET RACK®  
c/o A. L. Hansen Mfg. Co.  
701 Pershing Road, waukegan, Illinois 60085

**847-244-8900**  
**[www.alhansen.com](http://www.alhansen.com)**

# Thank You for your purchase of the JET RACK® ladder racking system

“The world’s best interior sliding-rail ladder racking system!”  
The Jet Rack® is designed for the storage of “A-Frame” step ladders that have a tool hole in the top plate.

## Pre-Installation Preparation

**Notice:** The information in this document is subject to change without notice. No warranty of any kind is made with regard to this material, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose. No liability is assumed for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this material. This document contains proprietary information that is protected by copyright. All rights reserved. No part of this document may be photocopied, reproduced, or translated into another language without prior consent.

**Attention!** Before beginning the installation, check the contents of the packaging. Please note that you will require some additional materials not included in the Jet Rack® assembly kit. See items listed below.

| PARTS LIST                      |   |                                     |   |
|---------------------------------|---|-------------------------------------|---|
| (A) SLIDING MOUNT<br>Qty: 1     | (B) FIXED MOUNT<br>Qty: 1                 | (C) SHOCK CORD GUIDE<br>Qty: 1      | (D) FIXED CATCH<br>Qty: 1   |
| (E) STRUT CHANNEL NUT<br>Qty: 4 | (F) STOP PLATE<br>Qty: 2                  | (G) WASHER 1.25" O.D.<br>Qty: 1     | (H) HEX HEAD SCREW 1/4-20 x 1"<br>Qty: 4  |
| (I) KEP NUT 1/4-20<br>Qty: 2    | (J) CARRIAGE BOLT 1/4-20 x 1.5"<br>Qty: 2 | (K) WASHER 0.75" O.D.<br>Qty: 6     | (L) PAN HEAD SCREW 1/4-20 x .875"<br>Qty: 1   |
| (M) SHOCK CORD<br>Qty: 2        | (N) LOCK WASHER<br>Qty: 4                 | (O) SAFETY CABLE ASSEMBLY<br>Qty: 1 | <b>ATTENTION</b><br>Depending upon your application, some components might require assembly to the hanger strut before it is mounted. |
| (P) LOCK NUT 1/4-20<br>Qty: 1   | (Q) RECEIVING PIN<br>Qty: 1               | (R) SLACK CONTROL CLIP<br>Qty: 2    |   |

## MATERIALS NOT INCLUDED

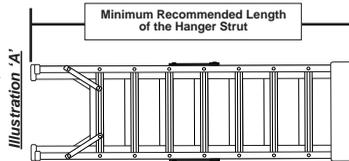
- 1) Hanger strut with 7/8" minimum depth. Length varies per application. (See below)
- 2) Strut mounting hardware.
- 3) White lithium grease for lubrication.

## TOOLS YOU MAY REQUIRE FOR INSTALLATION

Tape measure, Pencil/marker, Hacksaw or reciprocating saw (for cutting strut), Drill/Driver, Drilling bits, Driving bits, 7/16" socket and extension, 7/16" deep-well socket, Standard and/or Phillips screwdrivers.

## DETERMINING PROPER STRUT LENGTH

The length of the hanger strut will vary depending on the size of your ladder & application. As a rule of thumb, if you are using a six foot (6ft) ladder, your strut should be at least six feet (6ft) in length. To confirm, Measure your ladder in the closed position. Measuring from the top of the ladder to the bottom feet. This will give you the minimum recommended length. (See illustration 'A') since the Jet Rack® can accommodate up to an 8' ladder we recommend you cut your strut to the maximum length your vehicle will accommodate. This will allow for the future use of larger ladders by simply adjusting the positions of the Jet Rack® components. Once you have your strut cut to length, determine the mounting location by placing the strut into the desired position inside the vehicle. (Center, Off-Center or Side Mount).



## ATTENTION!

Throughout the instruction the front, cab section, of the vehicle will also reference the front of the strut. When positioning the hanger strut, consider that the tool hole in your ladder may be off center. Ensure your ladder is free to travel back and forth without obstructions (Walls, Shelves, etc...)

## ABOUT HANGER STRUT

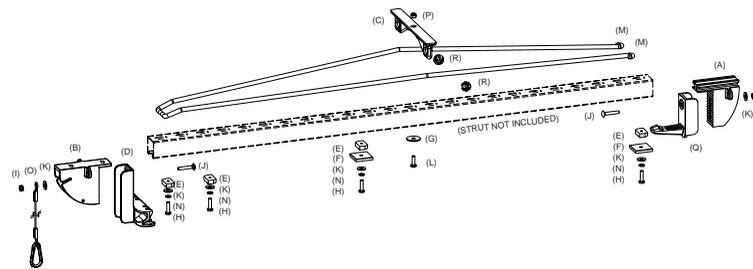
Hanger strut, also known as pipe strut channel, is a very common universal mounting hardware and support system made and used worldwide mostly in the building trades. It is commonly found at electrical supply houses, building trade and material suppliers, and many retail home improvement centers. There are many names under which it is sold; some of the most common names are: Unistrut, Superstrut, B-Line, and Powerstrut. Please note that the “Kindorf” branded version of hanger strut is not compatible with Jet Rack®.



## Installation Instructions

**ATTENTION!** The installation instructions given herein are specific for the supplied Jet Rack® components only. We recommend you contact the vehicle manufacturer for strut mounting instructions specific to your vehicle and application. It is the responsibility of the installer to ensure the hanger strut is securely mounted for use with Jet Rack®.

## JET RACK® OVERVIEW

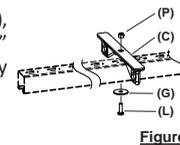


**WARNING!** To reduce the risk of serious personal injury, read and follow all instructions and warnings before installing or using this product. Always wear protective equipment during the installation.

Once you have measured and cut the strut length and have located its mounting placement you are ready to begin the installation.

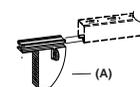
### Step 1: Shock Cord Guide Assembly:

Secure the shock cord guide (C) to the strut using the pan head screw (L), 1.25" O.D. washer (G) and the lock nut 1/4-20 (P) approximately 30" from the back of the hanger strut. 30" is only an approximation. You may need to adjust position to accommodate your particular application. (See Figure 1)



### Step 2: Slide Mount Insertion

**Important:** If you do not insert the sliding mount before you mount the strut, you may not have clearance to slide the mount in afterward. Insert the sliding mount (A) into the hanger strut with the grooved portion facing the rear of the vehicle. Slide mount forward. (See Figure 2)



## ATTENTION!

The Jet Rack® system allows for a slight curve in the strut, either upward or downward with a minimum depth of 7/8" without affecting functionality. This accommodates mounting surface variations. It is the responsibility of the installer to ensure the hanger strut is securely mounted for use with the Jet Rack® system.

### Step 3: Hanger Strut Installation

The hardware and method used to secure the hanger strut vary depending on the vehicle, mounting surface and mounting location. We recommend you contact the vehicle manufacturer for their strut mounting recommendations.

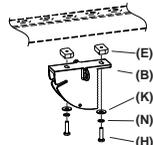


Figure 3

### Step 4: Fixed Mount Securement

Measure the distance from the foot to the bottom rung of your ladder. Using this measurement, mark your strut accordingly measuring from the back. This will be the approximate location of the fixed mount. Secure the fixed mount (B) with the grooves facing the front of the vehicle using the associated hardware. (See Figure 3) Use one strut channel nut (E), one 0.75" O.D. washer (K), one lock washer (N) and one hex head screw (H) per hole.

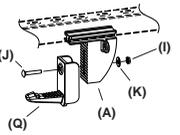


Figure 4

### Step 5: Receiving Pin Assembly

Secure the receiving pin (Q) onto the sliding mount (A) using one 1/4-20 carriage bolt (J), one 0.75" O.D. washer (K), and one kep nut (I). Do not completely tighten, allow for pin adjustment. (See Figure 4)

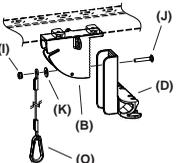


Figure 5

Next, adjust pin height allowing for pin placement into the tool hole of the ladder. Once the final position is established, tighten carriage bolt completely.

### Step 6: Fixed Catch Assembly.

Secure the fixed catch (D) onto the fixed mount (B) using one 1/4-20 carriage bolt (J), one 0.75" O.D. washer (K), safety cable assembly (O), and one kep nut (I). Do not completely tighten, allow for catch adjustment. (See Figure 5) Next, adjust the height of the fixed catch by placing the ladder onto the receiving pin and sliding the ladder forward to what will be the stowed position. Place the bottom rung of the ladder onto the fixed catch.

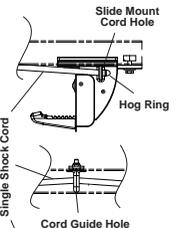


Figure 6

## WARNING!

Use caution while placing the ladder into position. The fixed catch and sliding mount are NOT completely secured at this point.

Raise the fixed catch so that the ladder is as close to the strut as possible without interfering with the travel or seating of the ladder. Mark the height of the catch as this will be its final position. Carefully remove the ladder verify the catch position and finish tightening the carriage bolt.

### Step 7: Shock Cord Installation

Insert each shock cord (M) through one side of the slide mount cord holes making sure the hog ring is at the front of the vehicle. Next, insert each cord through the appropriate shock cord guide hole then repeat the process for the fixed mount holes. (See Figure 6 & 7)

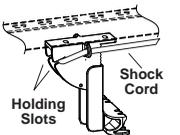


Figure 7