

# Utility Rig<sup>®</sup>

## Rack System

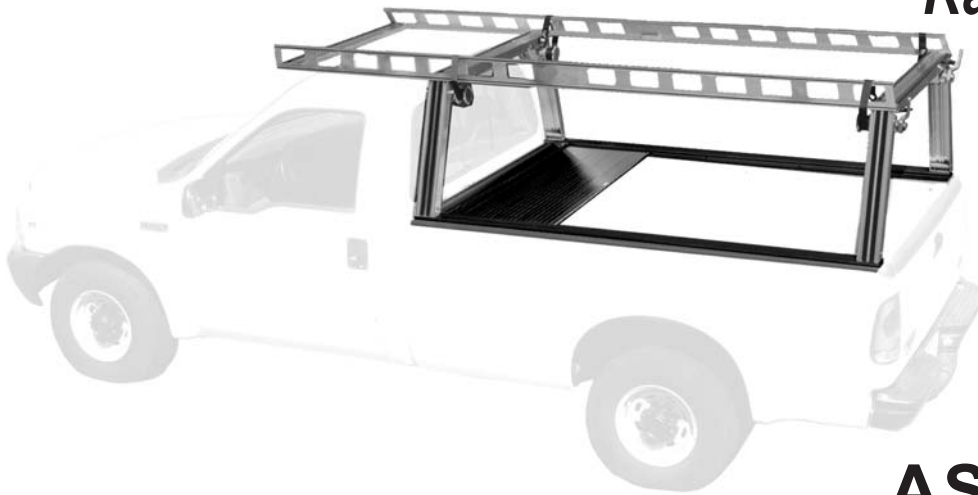
(Page 2)



# Contractor Rig<sup>®</sup>

## Rack System

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# ASSEMBLY & INSTALLATION INSTRUCTIONS



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Part #RACK-INSTALL  
 Revised 02/03

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## ONE-PERSON INSTALLATION:

These instructions are written for one-person installation. We have noted in a couple of places where briefly having an extra person's assistance can make installation that much easier.

## TOOLS REQUIRED FOR ASSEMBLY:

You'll need 9/16" wrench or socket, 1/2" open end wrench, a flat clean surface (such as cardboard paper or plastic) and silicone sealant (if necessary).

## BEFORE YOU START:

Read the instructions carefully before you start. If you have questions regarding the installation of your new Contractor's Rig® or Utility Rig®, please call our Tech Support Line at 800.338.3697 or visit our web site at [www.paceedwards.com](http://www.paceedwards.com).

### WARRANTY STATEMENT:

Pace Edwards Company prides itself in fast, friendly warranty service for all of our products. Our goal is to design quality into everything we make. Pace Edwards' retractable hard tonneau covers offer security, durability, style and convenience unmatched in the marketplace. Our crossover toolboxes integrate with all three of our retractable tonneau covers, providing the ultimate solution for those who want the security of a toolbox combined with a retractable tonneau cover. Both lightweight and durable, Pace Edwards' line of overhead storage solutions provide options for storing items neatly above the sun visors in your vehicle. Other Pace Edwards' warranted products include the electric tailgate lock and dash overlay kits.

We warrant our products to be free from defects in material and workmanship under normal use for one year from the date of purchase. In the event of defect in materials or workmanship, we will warrant parts only at no charge, which in our judgment show evidence of such defect within one year from date of purchase.

This warranty is void if the product has direct or indirect damage resulting from accident, misuse or abuse, lack of reasonable care, modifications, alterations, loss of parts, normal wear and tear, improper installation or damage during shipping. This warranty does not cover installations on trucks used for racing or off-road. This warranty is void when service or repair is performed by a non-approved service center.

At the end of the warranty period, Pace Edwards Company shall be under no further warranty obligation, expressed or implied. No other warranty or affirmation of fact, written or oral, is authorized or made by Pace Edwards Company and the terms of this warranty constitute the purchaser's sole and exclusive remedy.

This warranty gives the purchaser specific legal rights and the purchaser may also have other rights that may vary from state to state. **Warranty Requirements:**

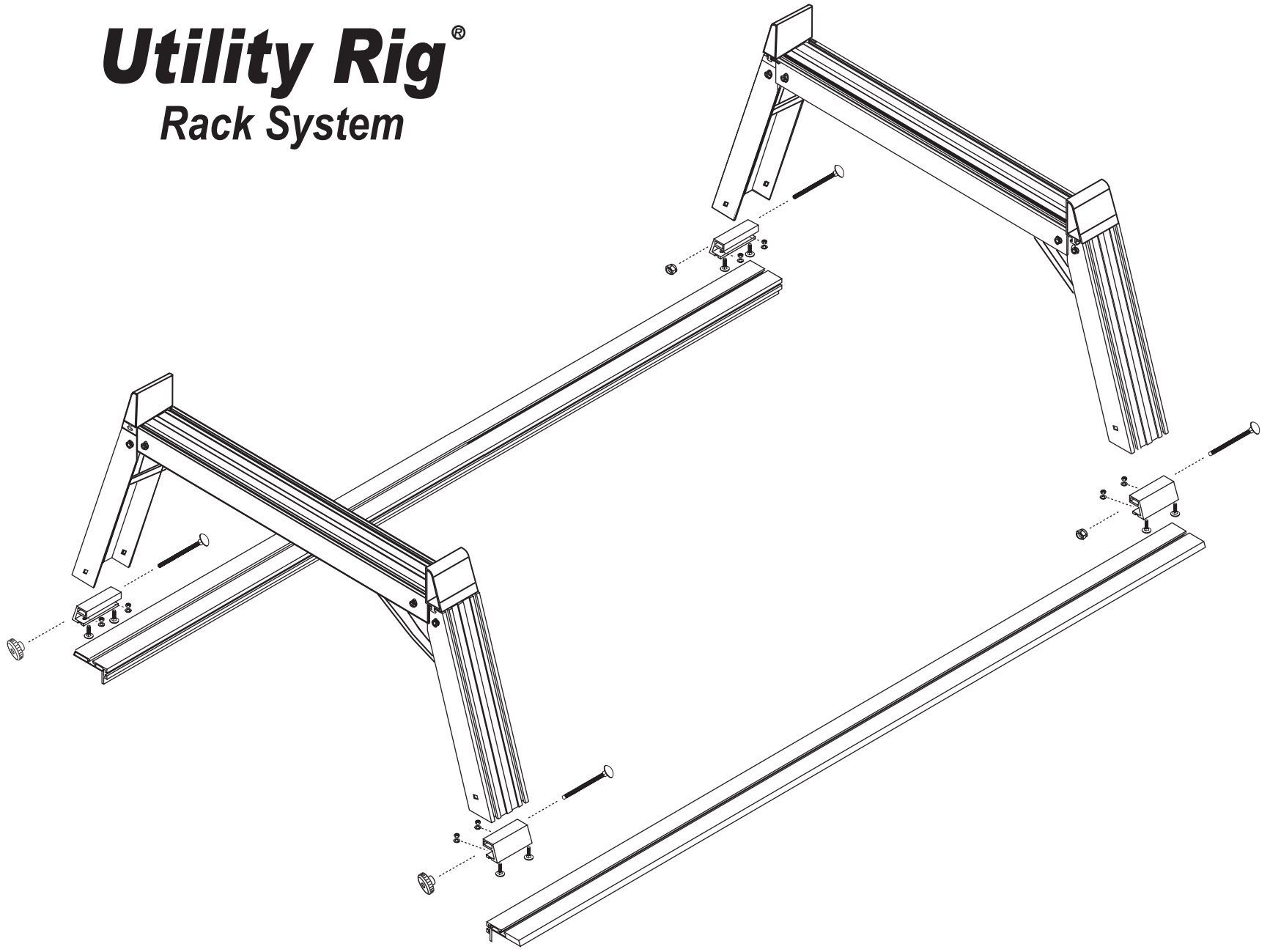
- 1) **Original sales receipt**
- 2) **Product returned must be in original packaging**
- 3) **Product Serial Number**
- 4) **Product Model Number**

For your convenience, you may register your warranty claim at Pace Edwards' web site at [www.paceedwards.com](http://www.paceedwards.com). This will help expedite your warranty claim. If you need warranty assistance, please call 1.800.338.3697 and one of our technicians will be happy to help you. Please have your model and serial numbers and your original sales receipt handy when you call. For written inquiries, please send a letter with the warranty requirements information (listed above) to:

**Pace Edwards Company**  
**2400 Commercial Blvd.**  
**Centralia, WA 98531 USA**

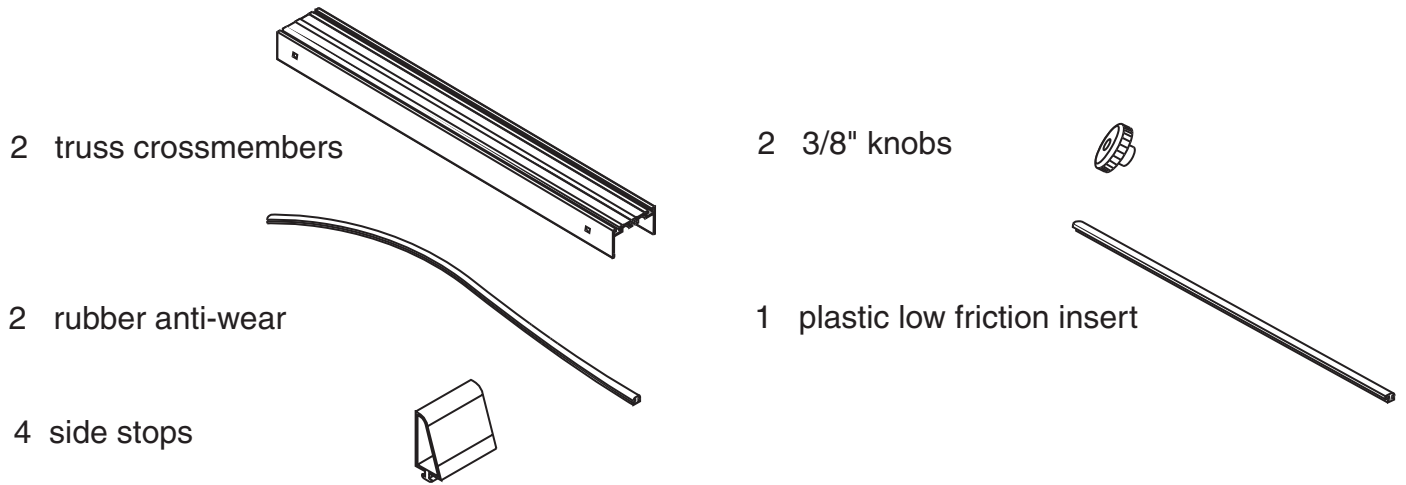
# Utility Rig<sup>®</sup>

## Rack System

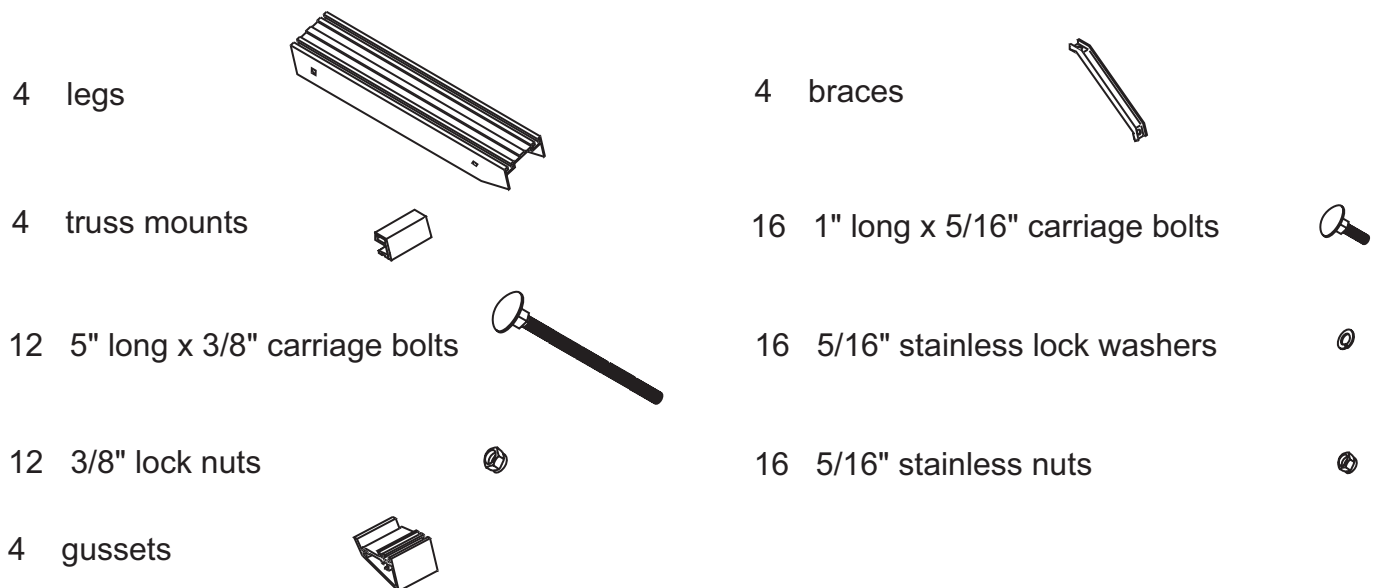


# Utility Rig<sup>®</sup> Rack Components:

## The Crossmember Box for the Utility Rig<sup>®</sup> Contains:



## The Utility Rig<sup>®</sup> Leg Box Contains:



# ASSEMBLY & INSTALLATION INSTRUCTIONS for UTILITY RIG<sup>®</sup> TRUSSES

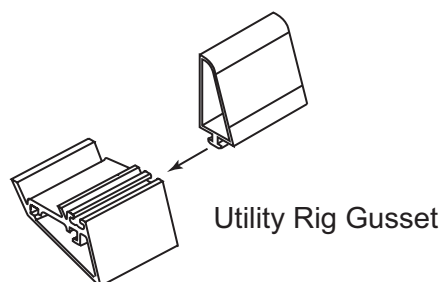
(Pace Edwards Tonneau cover and Explorer Series Rails must be installed first.)

A general note on assembly:

These parts have been precision cut to tolerances as close as one thousandth of an inch. Some fits are designed to be press fits, others are designed to be sliding fits; but nowhere should the use of great force be required for assembly. As with any piece of machined equipment, if a part is not fitting as it should, don't use excessive force, identify the problem and correct it. An initial misalignment of two parts can cause a burr on one of them and make smooth assembly difficult.

## 1. Install Side Stops

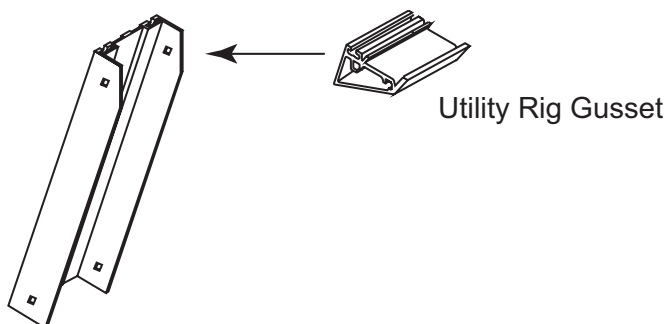
Side Stop installation for Utility Rig



Note: To prevent Side Stops from the possibility of rattling, inject some silicone sealant into the T-slot of the gusset before inserting Side Stop.

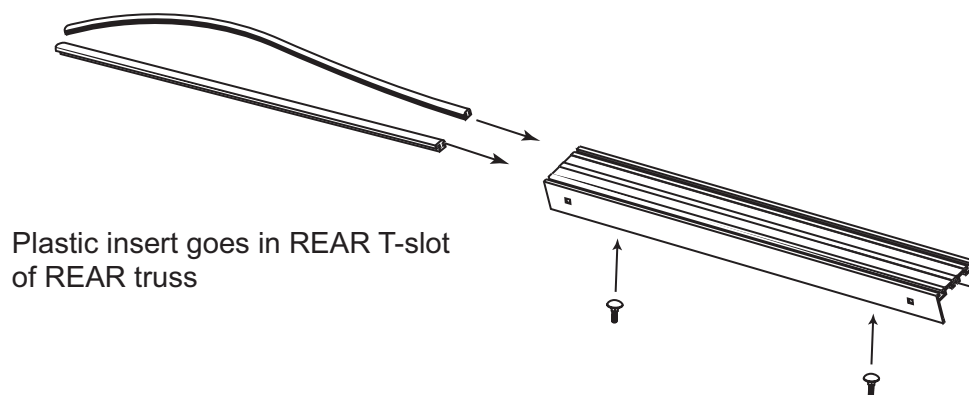
## 2. Assemble Legs and Gussets

Install gussets into legs as shown until holes align, then slide the 5" carriage bolts through the holes. Install the 3/8" lock nuts on the 5" carriage bolts and tighten with a 9/16" wrench until they bear lightly (do not tighten yet) on the aluminum surface.



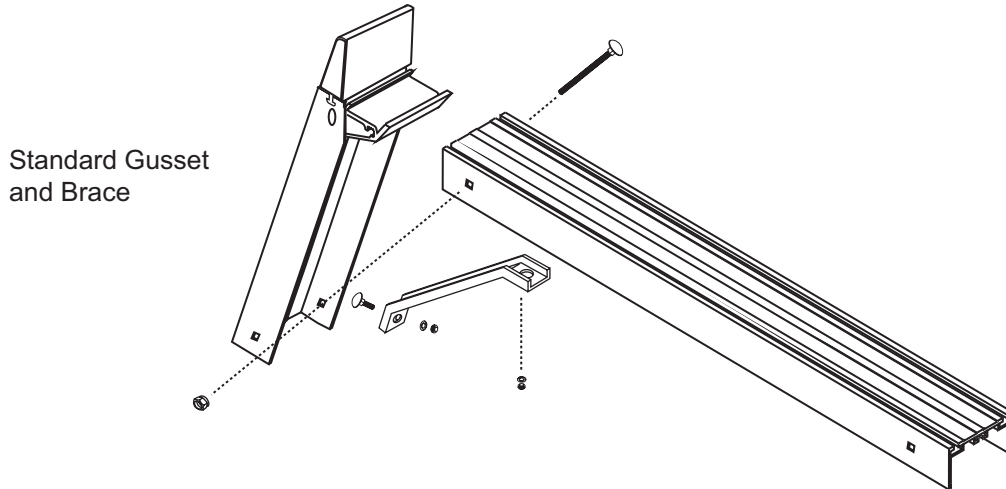
## 3. Assemble Crossmembers

Slide a rubber anti-wear insert into the forward T-slot of each crossmember and slide a plastic low-friction insert into the rear T-slot on the rear crossmember. Slide 2 small carriage bolts (to be used for braces) into the T-slot on the underside of each crossmember.



#### 4. Assemble Crossmembers, Legs and Braces

Install crossmember on gusset as shown, and fasten loosely with 5" long carriage bolts and 3/8" locknuts. For the rear crossmember of Utility Rigs use the 2 adjustable handles provided in the crossmember box in place of the 3/8" nuts.



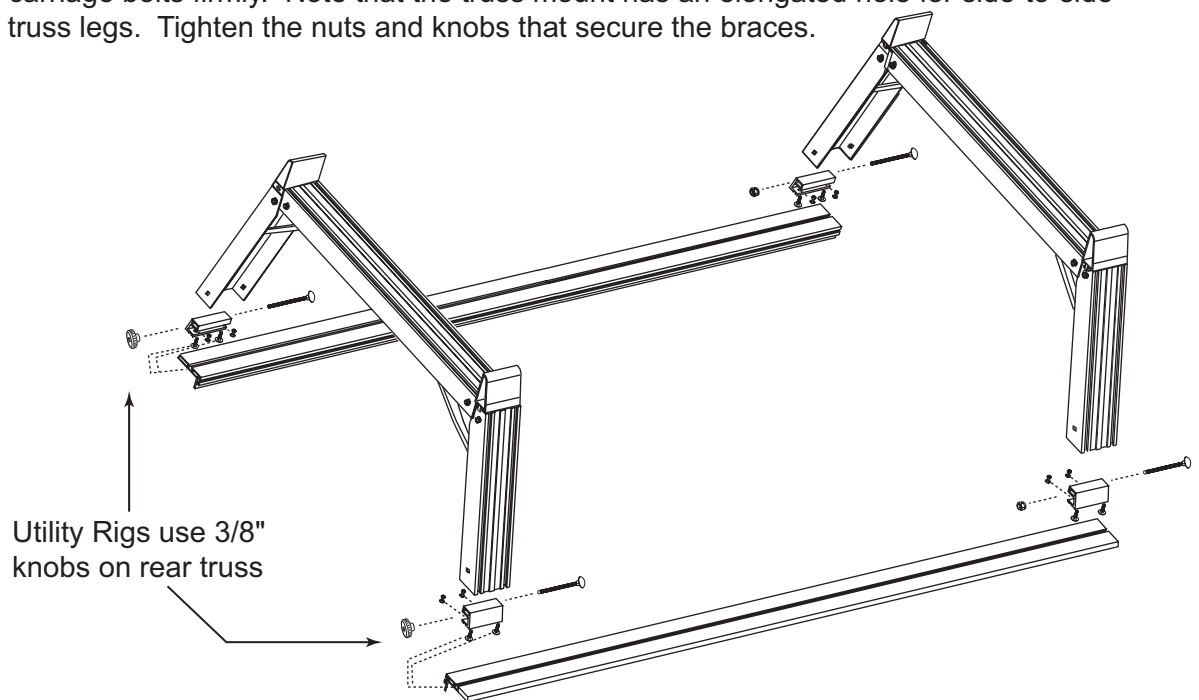
Standard Gussets: Slide a small carriage bolt into the inside T-slot of the leg and install the brace between the leg and the crossmember using nuts and lock washers.

#### 5. Install Truss Mounts on Explorer Series™ Rails

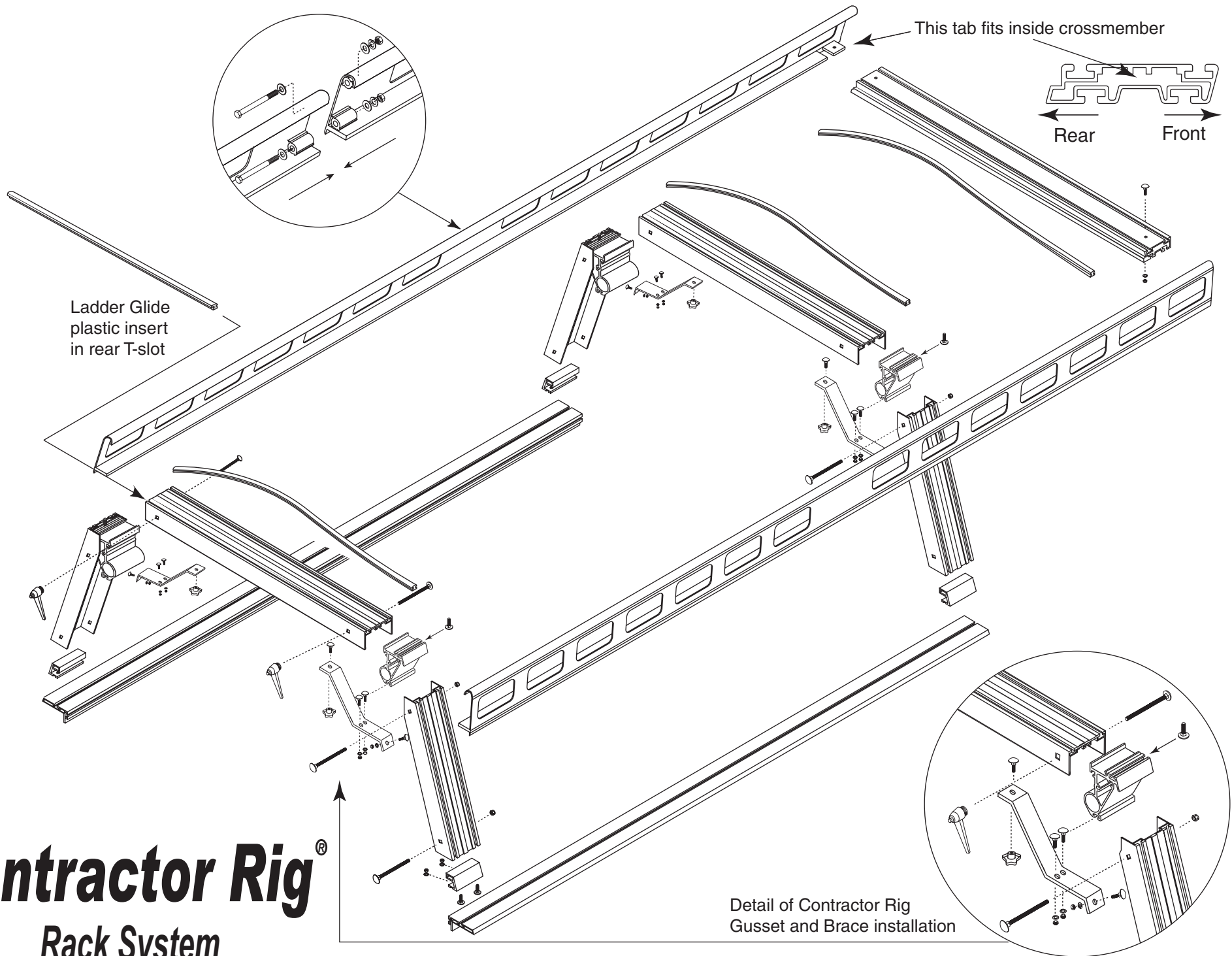
Slide two 1" carriage bolts into the upper T-slots on each end of both Rails. Place a truss mount on each of the bolt pairs (truss mount should be leaning inward as shown), positioning the mounts 1/8" in from the ends of the rails. Install lock washers and nuts and tighten with a 1/2" open end wrench.

#### 6. Install Pick-Up Trusses on Truss Mounts

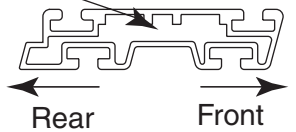
Lower the truss onto the truss mounts and slide the 5" long carriage bolts through the leg and mount. Install nuts and tighten with a 9/16" wrench until they bear LIGHTLY on the aluminum surface. Make sure that the truss is centered on the rails and that the visible joint between the leg and crossmember is as tight as possible, then tighten all 5" carriage bolts firmly. Note that the truss mount has an elongated hole for side-to-side adjustment of the truss legs. Tighten the nuts and knobs that secure the braces.



# Contractor Rig<sup>®</sup> Rack System



This tab fits inside crossmember

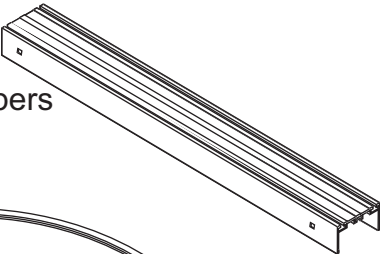
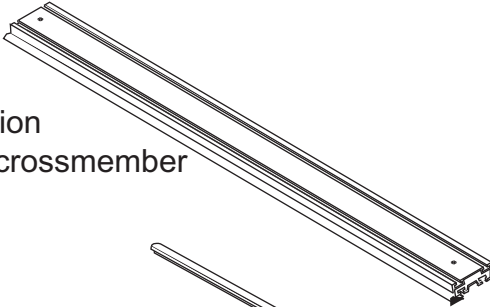









Ladder Glide plastic insert in rear T-slot

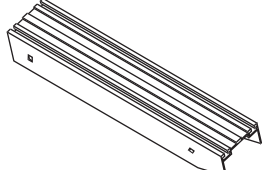


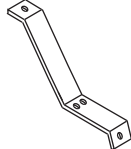
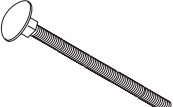




Detail of Contractor Rig Gusset and Brace installation

# Contractor Rig Truss Components

## The Contractor Rig<sup>®</sup> Crossmember Box Contains:

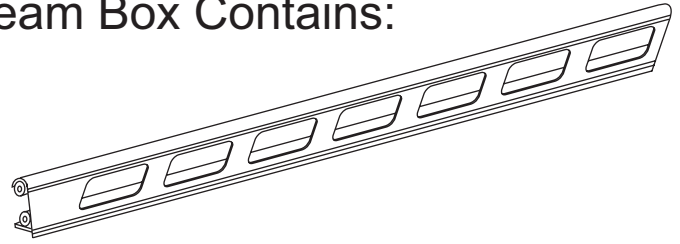
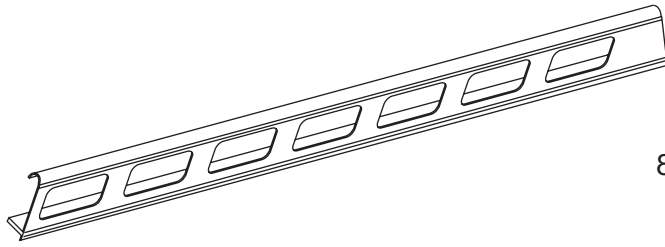
- |   |  |   |   |                             |   |
|---|--|---|---|-----------------------------|---|
| 2 | truss crossmembers                       |  | 1 | extension beam crossmember  |  |
| 3 | rubber anti-wear inserts                 |  | 1 | plastic low-friction insert |  |
| 2 | 3/8" adjustable handles                  |  |   |                             |   |
| 2 | 5/16" knobs                              |  | 6 | 5/16" stainless steel lock  |  |
| 6 | 1" long x 5/16" stainless carriage bolts |  | 6 | 5/16" stainless steel       |  |

## The Contractor Rig<sup>®</sup> Leg Box Contains:

- |    |                               |   |    |                                |   |
|----|-------------------------------|---|----|--------------------------------|---|
| 4  | legs                          |  | 4  | truss mounts                   |  |
| 4  | heavy gussets                 |  | 4  | heavy braces                   |  |
| 12 | 5" long x 3/8" carriage bolts |  | 24 | 1" long x 5/16" carriage bolts |  |
| 12 | 3/8" lock nuts                |  | 24 | 5/16" stainless lock washers   |  |
|    |                               |   | 24 | 5/16" stainless nuts           |  |

## The Contractor Rig<sup>®</sup> Extension Beam Box Contains:

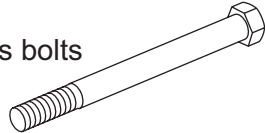
4 extension beam halves



8 3/8" stainless flat washers



4 4" long x 3/8" stainless bolts



4 3/8" stainless lock washers



4 3/8" stainless nuts



2 parallelogram decals (left and right)



## ASSEMBLY & INSTALLATION INSTRUCTIONS for CONTRACTOR RIG<sup>®</sup> TRUSSES

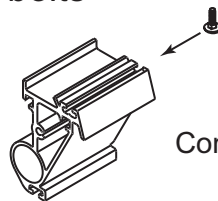
(Pace Edwards Tonneau cover and Explorer Series Rails must be installed first.)

A general note on assembly:

These parts have been precision cut to tolerances as close as one thousandth of an inch. Some fits are designed to be press fits, others are designed to be sliding fits; but nowhere should the use of great force be required for assembly. As with any piece of machined equipment, if a part is not fitting as it should, don't use excessive force, identify the problem and correct it. An initial misalignment of two parts can cause a burr on one of them and make smooth assembly difficult.

### 1. Install Extension Beam mounting bolts

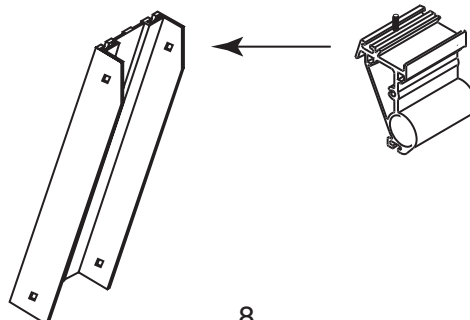
Bolt installation for Contractor Rig



Contractor Rig Gussets

### 2. Assemble Legs and Gussets

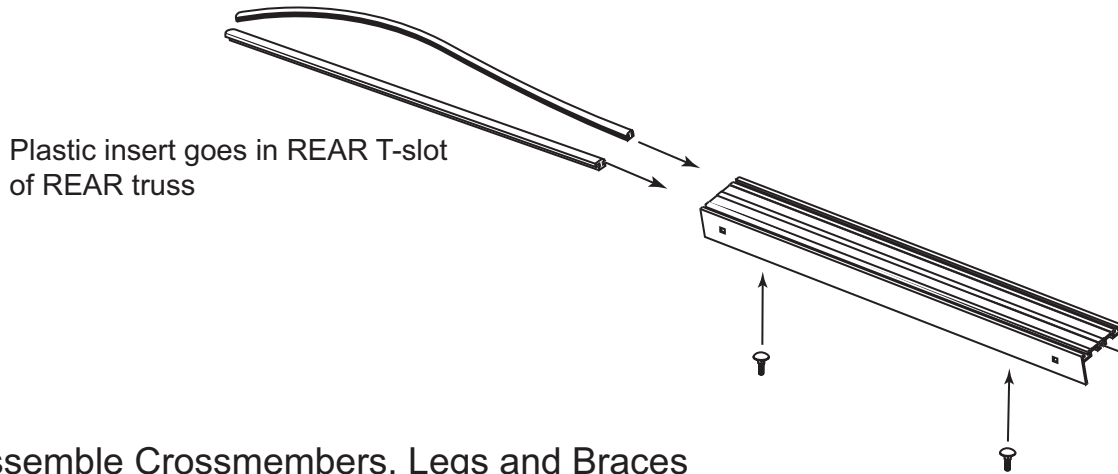
Install gussets into legs as shown until holes align, then slide the 5" carriage bolts through the holes. Install the 3/8" lock nuts on the 5" carriage bolts and tighten with a 9/16" wrench until they bear lightly (do not tighten yet) on the aluminum surface.



Contractor Rig Gusset

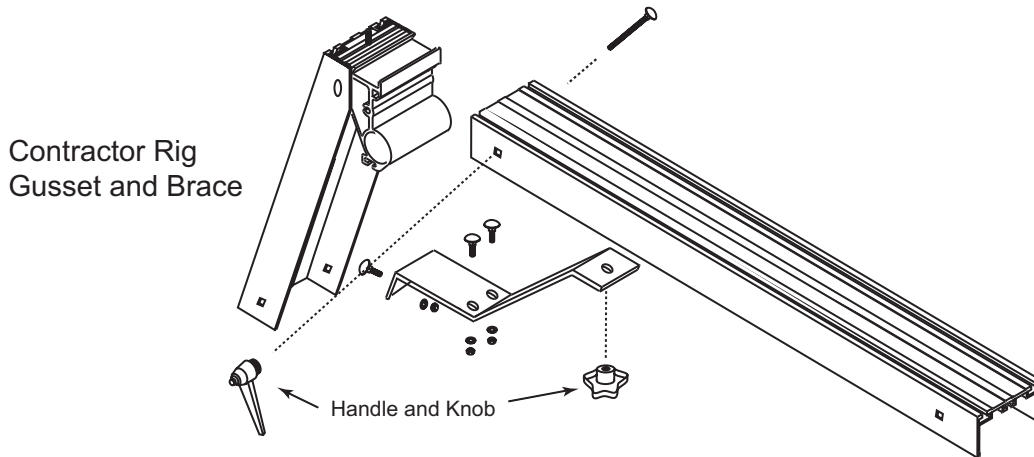
### 3. Assemble Crossmembers

Slide a rubber anti-wear insert into the forward T-slot of each crossmember and slide a plastic low friction insert into the rear T-slot on the rear crossmember. Slide 2 small carriage bolts (to be used for braces) into the T-slot on the underside of each crossmember.



### 4. Assemble Crossmembers, Legs and Braces

Install crossmember on gusset as shown, and fasten loosely with 5" long carriage bolts and 3/8" locknuts. For the rear crossmember of Contractor Rigs use the 2 adjustable handles provided in the crossmember box. Use the 5/16" knob to fasten the brace under the rear crossmember.



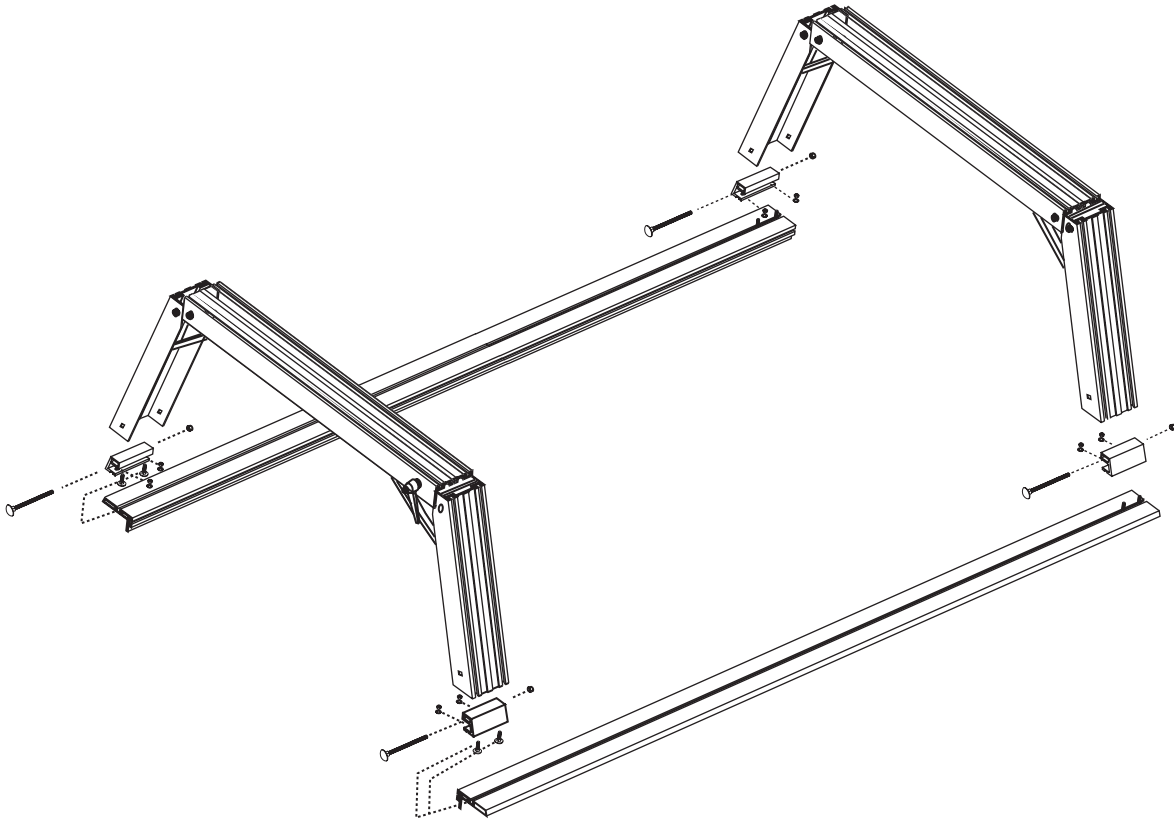
Heavy Gussets: Slide 2 small carriage bolts into the T-slot at the bottom of the gusset and slide 1 carriage bolt into the inside T-slot of the leg and install the brace between the leg and the crossmember using nuts and lock washers.

### 5. Install Truss Mounts on Explorer Series Rails™

Slide two 1" carriage bolts into the upper T-slots on each end of both Rails. Place a truss mount on each of the bolt pairs (truss mount should be leaning inward as shown on next page), positioning the mounts 1/8" in from the ends of the rails. Install lock washers and nuts and tighten with a 1/2" open end wrench.

## 6. Install Pickup Trusses on Truss Mounts

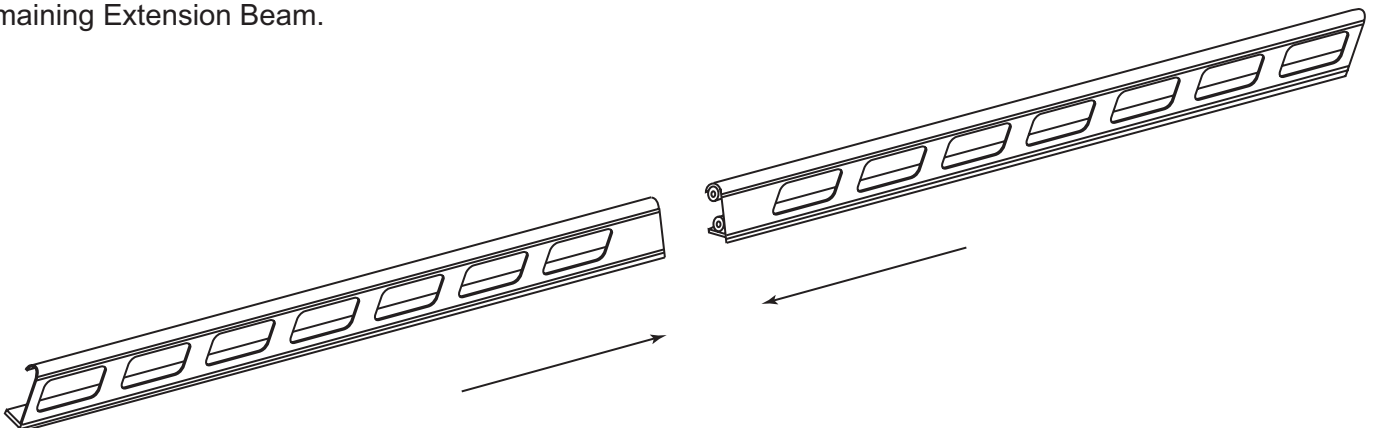
Lower the truss onto the truss mounts and slide the 5" long carriage bolts through the leg and mount. Install nuts and tighten with a 9/16" wrench until they bear LIGHTLY on the aluminum surface. Make sure that the truss is centered on the rails and that the visible joint between the leg and crossmember is as tight as possible, then tighten all 5" carriage bolts firmly. Note that the truss mount has an elongated hole for side-to-side adjustment of the truss legs. Tighten the nuts that secure the braces.



## EXTENSION BEAM ASSEMBLY & INSTALLATION INSTRUCTIONS

### 1. Assemble Extension Beam Halves

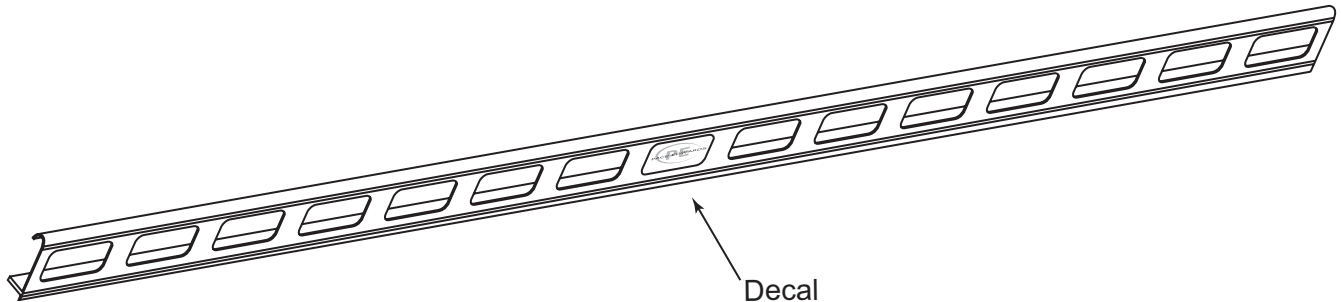
You will need a smooth clean surface where you can bolt together the halves of the Extension Beams (ie. cardboard, paper, plastic). Locate a matching pair of Extension Beams (all holes leaning the same way) and place them end to end so that the welded-in splice blocks touch each other and the holes in the splice blocks align. Slide a 3/8" flat washer on the 4" bolt and insert the bolt through the splice blocks, then install a flat washer, then lock washer, then nut, in that order. Repeat the procedure for the other hole, align Extension Beam halves so that the outside surfaces meet smoothly, and then tighten nuts. Repeat the procedure for the remaining Extension Beam.



## 2. Install Decal Over Splice Joint

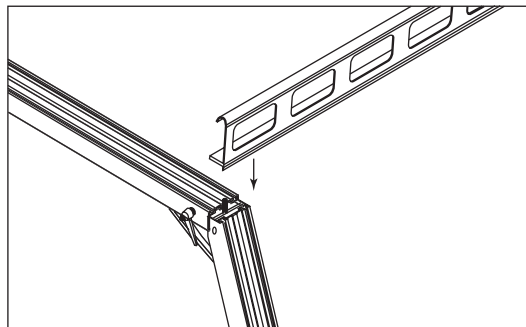
Important! There are left and right decals! Decal leans forward just like Extension Beam holes do!

Position the decal accurately so that it repeats the punched hole pattern. Although the decal can be installed dry, the "wet method" makes the job much easier. Just add 10 or 12 drops of dish washing liquid to a glass of water, pull off the decal backing, wet the decal and the Extension Beam and apply the decal centered between holes over the splice joint. This wet method allows you to slide the decal around to position it correctly. When correctly positioned, force out excess water with fingers or a sponge. The decal will ultimately adhere with just as much "grip" as the dry method would but without the risk of misalignment, bubbles, creases etc.



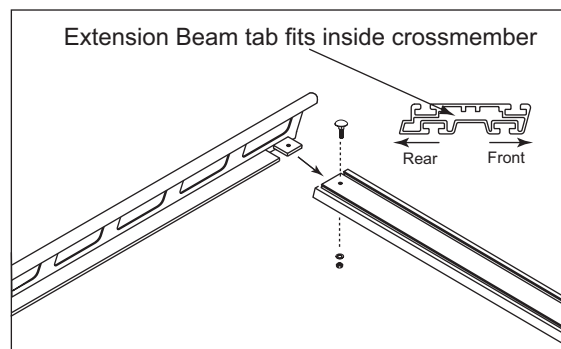
## 3. Install Extension Beams on Trusses

Mount one Extension Beam on the Trusses (notched end goes in front), aligning the end of the beam with the rear surface of the rear Truss. Install lock washers and nuts and tighten these two Extension Beam mounting bolts. Set the other Extension Beam on the opposite side and loosely install a lock washer and nut on the rear Truss only, as you will need to lift the forward end slightly off the front truss to assemble the crossmember.



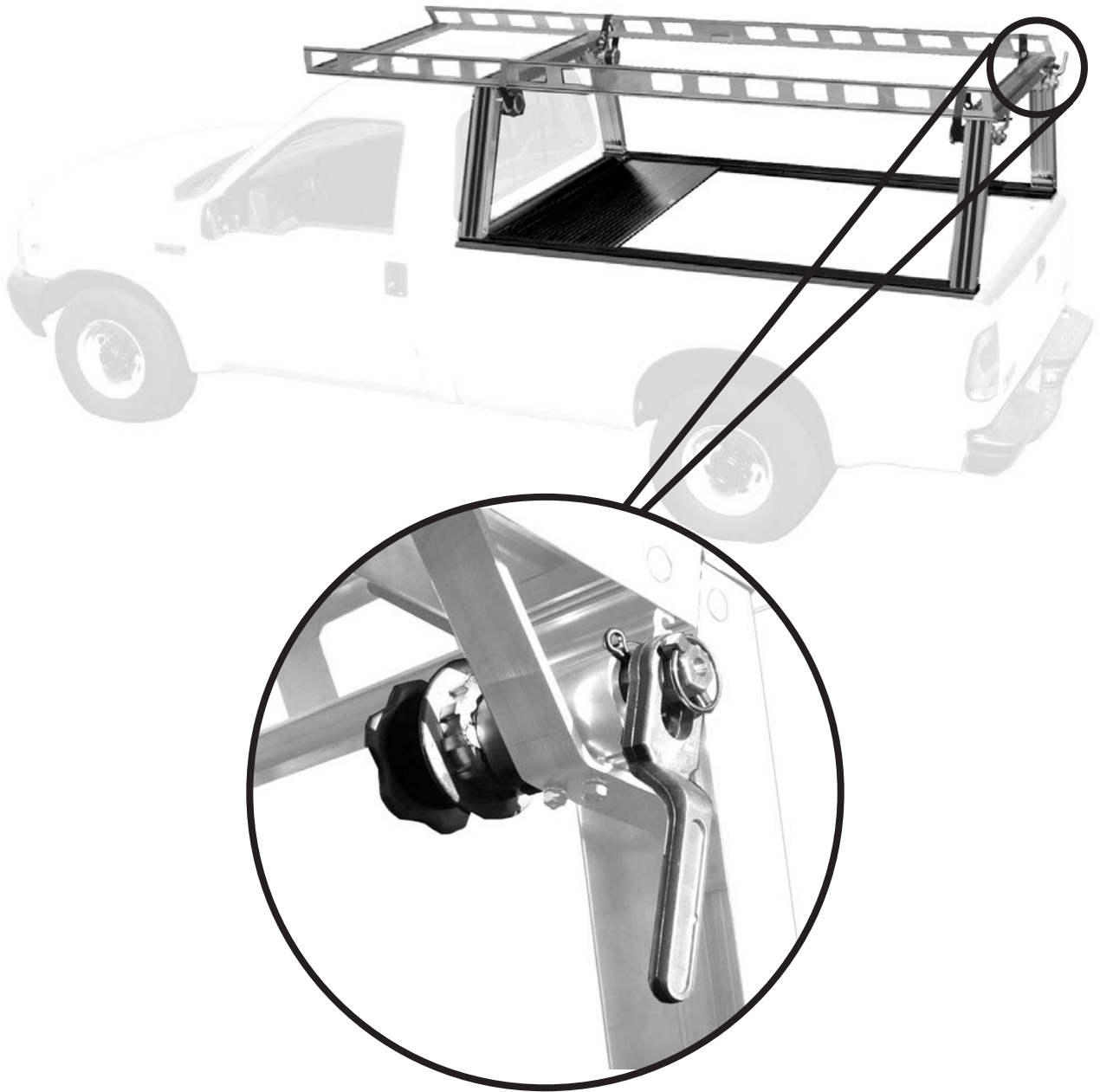
## 4. Install Crossmember

Install the rubber wear strip in the crossmember. With the aid of another person on the opposite side of the truck, hand the correct end of the crossmember over (see drawing) and insert the tab of the Extension Beam inside the crossmember (lifting unbolted end of the Extension Beam is helpful in crossmember assembly). Make sure the Extension Beam and the crossmember are seated and install a 1" carriage bolt downward through each end of the crossmember, then install lock washers & nuts and tighten. Complete the installation of the Extension Beam (which was left loose). It is normal to experience some degree of effort installing the Extension Beam over the bolt on the front truss on some models due to a tapering truck body.



# **Work Winch™**

***Integrated Tie-Down System***  
***(Included with Contractor Rig® Rack)***



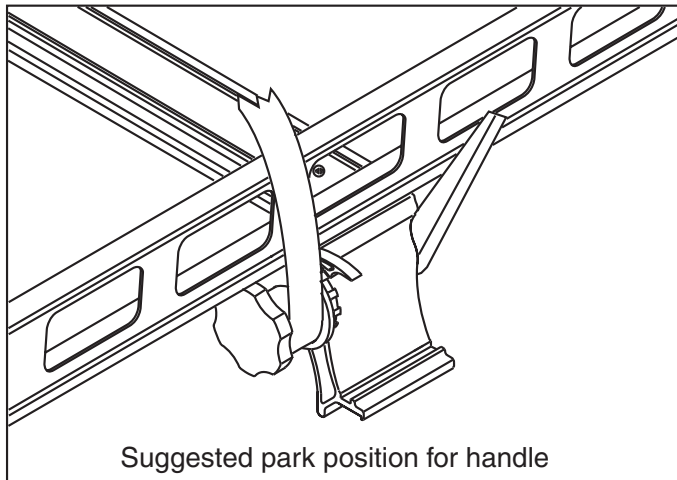
## ***Installation Instructions***

The Work Winch™ is installed on Contractor Rig racks after the entire rack has been assembled and installed. Work Winches can be installed with the winch on the right and handle on the left or it can be installed with the winch on the left and the handle on the right (a mirror image).

Slide 1 of the 2 large washers onto the winch shaft. Then install the PVC bearing, then insert the assembly halfway into the hole in the gusset. Orient the pawl (which is shaped like a dolphin) so that its nose is facing away from you and slide the 2" clevis pin through the pawl and into the small hole above the winch shaft. Slide the winch the rest of the way into the hole. Install the other large washer and then the cotter pin. Hold onto the winch take-up wheel and spread the cotter pin with a pair of pliers. The handle can be installed or left in a tool box or other accessible place. If it is to be installed, place the handle over the hex, install the smaller washer and then insert the linch pin and lock it. Engage the handle as shown below to prevent swinging and wear.

Insert 6" of the strap end into the slot in the mandrel and wind in a direction so that the top of the spool comes toward you (If the handle has been installed, disengage it from its upper position and let it hang freely so the hex can rotate within it). If the pawl is installed correctly, this is the only direction you will be able to turn the winch without lifting the pawl.

To secure a load, let the handle hang freely, lift the pawl and pull out enough strap to go over the load. For pickup trucks, engage the hook on the underside of the 2 1/2" tall lip of the crossmember. Take up the slack by rotating the hand wheel and tighten using the handle. Do not over tighten as the handle has been designed to slip on the hex if it is over-stressed. **REMEMBER TO CHECK STRAP TENSION FREQUENTLY BECAUSE STRAPS STRETCH AND LOADS SETTLE.**

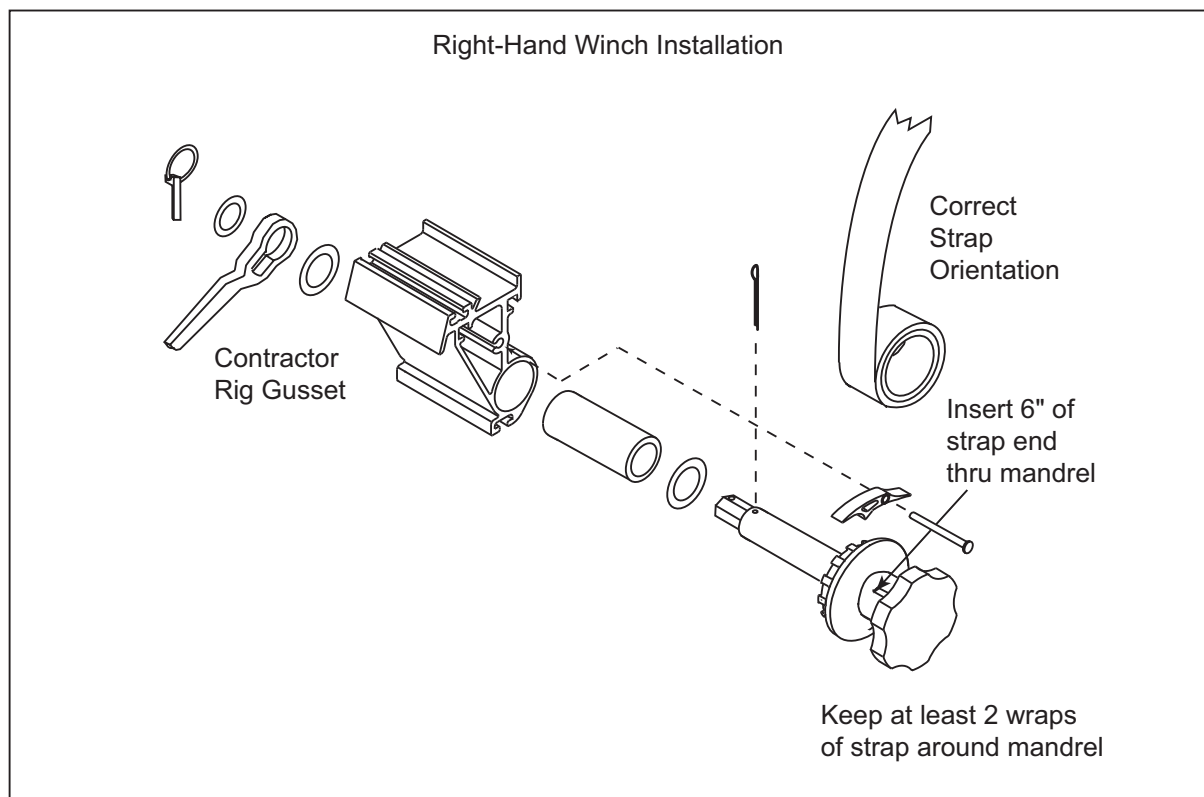
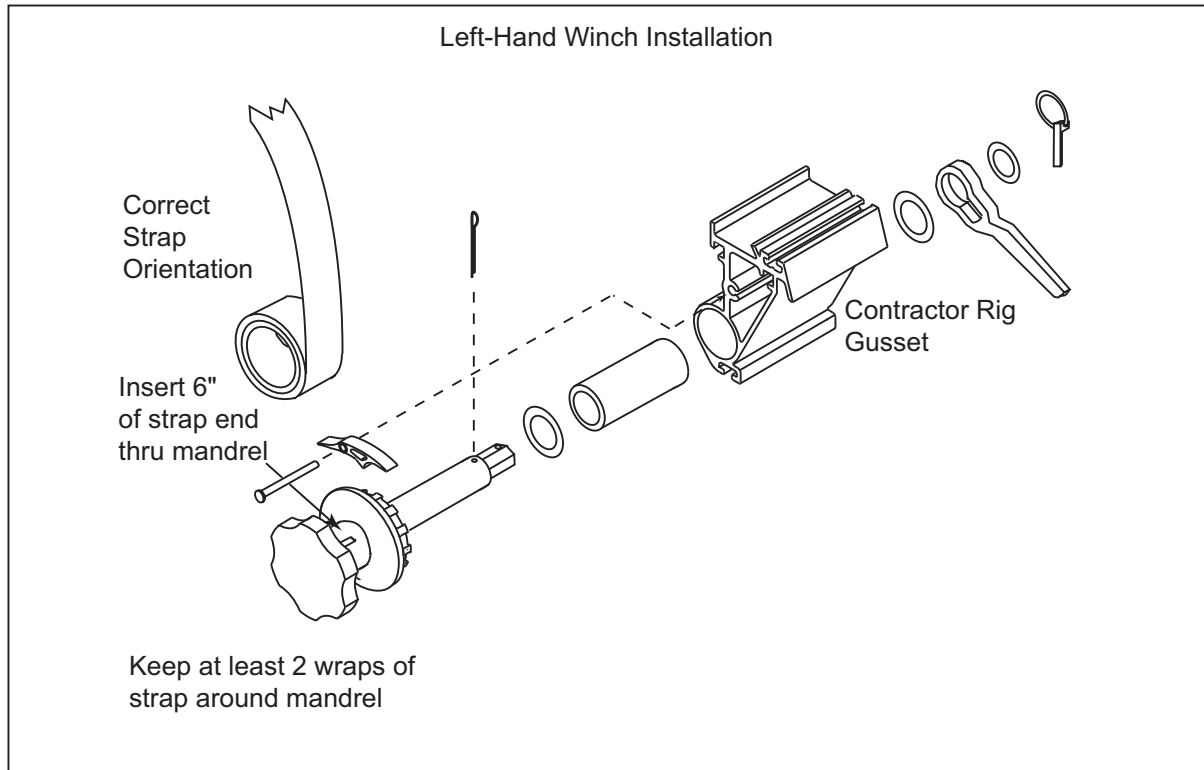


If handle is to be kept on winch shaft, engage as shown to prevent swinging and wear

The Work Winch™ has a rated capacity of 1200 lbs. This is the load the complete assembly will withstand before failure. It is a recommended industry standard that the working load not exceed 1/3 of the rated capacity or 400 lbs.

Inspect strap and winch assembly before each use and replace if worn or damaged. Make sure that the cotter pin and washers are securely in place and that parts move freely. Keep at least 2 wraps of strap around mandrel. Keep strap away from sharp or hot surfaces. **CHECK TENSION FREQUENTLY - STRAPS STRETCH AND LOADS SETTLE.** No warranty is made about the suitability of this product for any purpose other than securing ladders. Keep cargo height within the side rails of the rack.

Work Winches can be installed from either the left side or the right side of Contractor Rig gussets and brackets. Pay careful attention to the orientation of both the pawl and the strap. The pawl looks like a dolphin and its nose faces away from you. The hook end of the strap should come up on the outside of the coil from underneath.



Thank you for purchasing Pace Edwards Products.



**Pace Edwards Company  
2400 Commercial Blvd.  
Centralia, WA 98531  
USA**

**1.360.736.9991 main  
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**[www.paceedwards.com](http://www.paceedwards.com)**