

UTILITY RIG RACK

PACE EDWARDS RETRACTABLE HARD TRUCK BED COVER & UTILITY RACK SYSTEM

STANDARD INSTALLATION INSTRUCTIONS



IMPORTANT! The Pace Edwards truck bed cover and Explorer Series Rails **MUST** be installed on the truck first before attempting to install this rack system!



#1 RETRACTABLE TRUCK BED COVER

(800) 338-3697

www.paceedwards.com

Pace Edwards Company
2400 Commercial Blvd.
Centralia WA 98531

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***Flip over for Contractor Rig Rack instructions**

Part #: UR-CR Rack-INSTALL 048

TOOLS REQUIRED FOR ASSEMBLY:

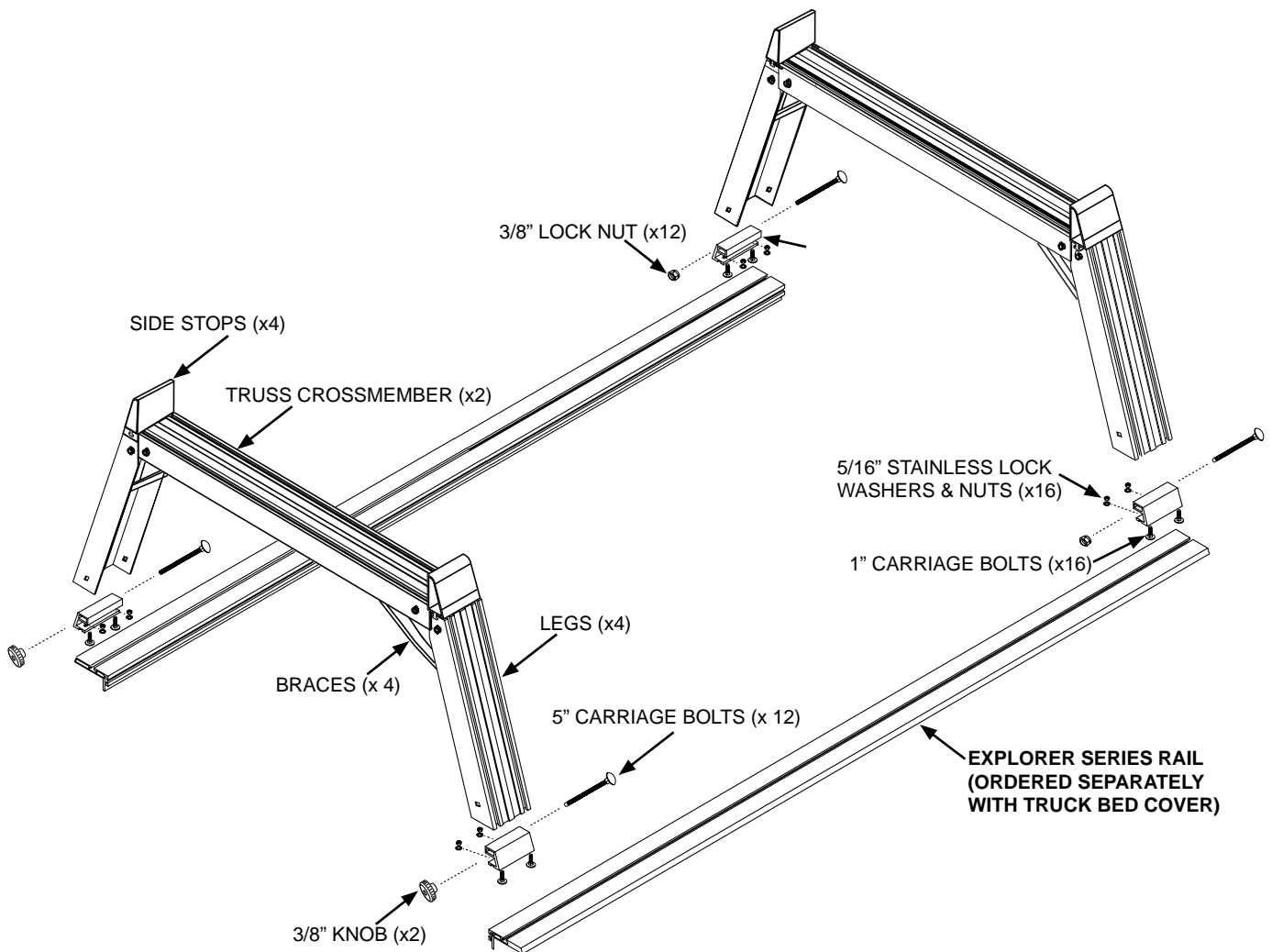
9/16" wrench or socket Flat clean surface (such as card board paper or plastic)
1/2" open ended wrench Silicone sealant (if necessary)

BEFORE YOU START:

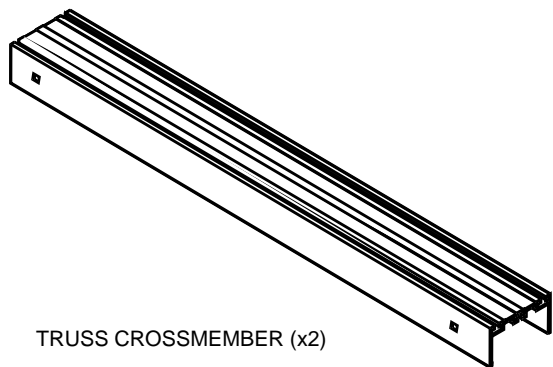
Read the instructions carefully before you start. These instructions are written for one-person installation. We have noted where briefly having an extra person's assistance can make installation easier. If you have questions regarding the installation please call our Technical Support Line at (800) 338-3697.

IMPORTANT! The Pace Edwards truck bed cover and Explorer Series Rails **MUST** be installed on the truck first before attempting to install this rack system!

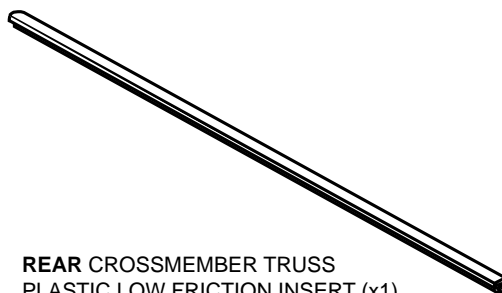
UTILITY RIG RACK ILLUSTRATION:



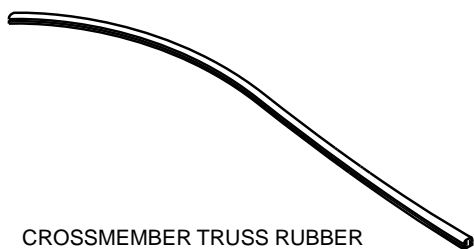
UTILITY RIG CROSSMEMBER BOX CONTENTS:



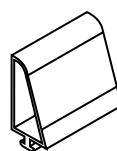
TRUSS CROSSMEMBER (x2)



REAR CROSSMEMBER TRUSS
PLASTIC LOW FRICTION INSERT (x1)



CROSSMEMBER TRUSS RUBBER
ANTI-WEAR INSERTS (x2)

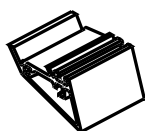


SIDE STOPS (x4)

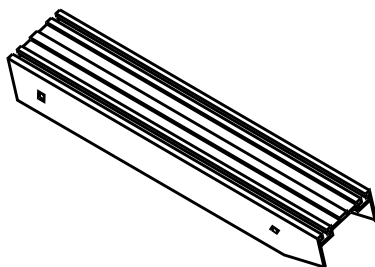


3/8" KNOB (x2)

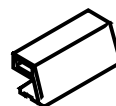
UTILITY RIG LEG BOX CONTENTS:



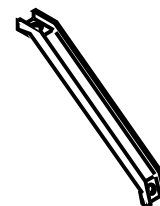
GUSSETS (x 4)



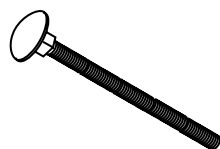
LEGS (x4)



TRUSS MOUNTS (x4)



BRACES (x 4)



5" CARRIAGE BOLTS (x 12)



3/8" LOCK NUT (x12)



1" CARRIAGE
BOLTS (x16)



5/16" STAINLESS
LOCK WASHERS
(x16)



5/16" STAINLESS
LOCK NUTS (x16)

**INSTALL
TIP!**

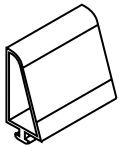
A General Note on Assembly:

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.

**INSTALL
TIP!**

STEP 1: INSTALL SIDE STOPS

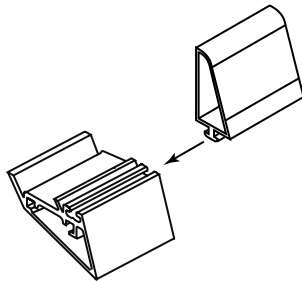
HARDWARE USED:



SIDE STOPS x 4



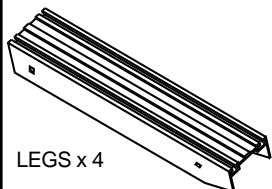
GUSSET x 4



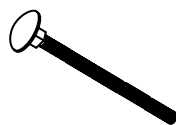
NOTE: To prevent Side Stops from the possibility of rattling, inject some silicone sealant into the T-slot of the gusset before inserting Side Stop.

STEP 2: ASSEMBLE LEGS & GUSSETS

HARDWARE USED:



LEGS x 4

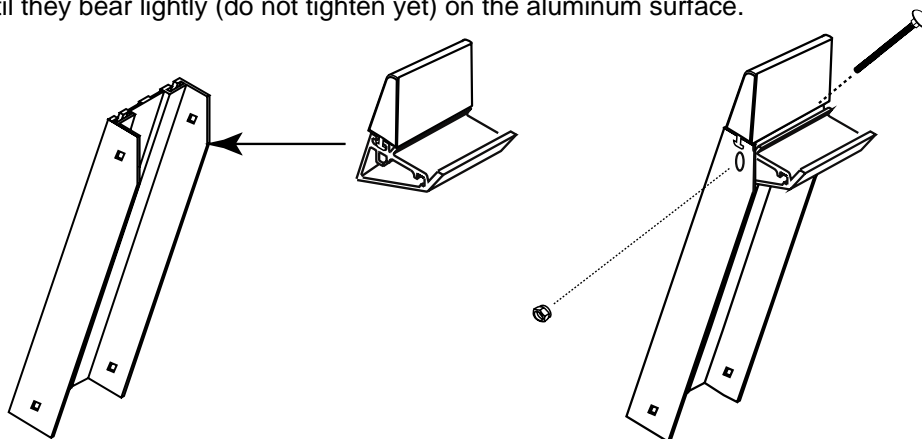


5" CARRIAGE BOLTS x 4



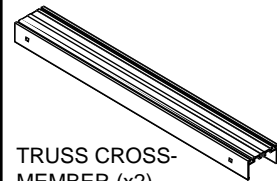
3/8" LOCK NUTS x 4

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.



STEP 3: ASSEMBLE CROSSMEMBERS

HARDWARE USED:



TRUSS CROSS-MEMBER (x2)



CROSSMEMBER TRUSS RUBBER ANTI-WEAR INSERTS (x2)

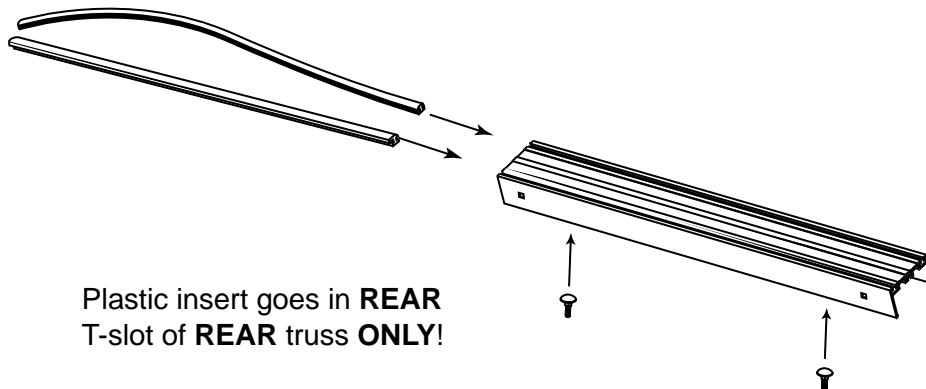


REAR CROSSMEMBER TRUSS PLASTIC LOW FRICTION INSERT (x1)



1" CARRIAGE BOLTS x 4

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.



Plastic insert goes in **REAR** T-slot of **REAR** truss **ONLY!**

STEP 4: ASSEMBLE CROSSMEMBERS, LEGS & BRACES

HARDWARE USED:



5" CARRIAGE BOLTS (x 4)



3/8" LOCK NUT (x 4)



BRACES (x 4)

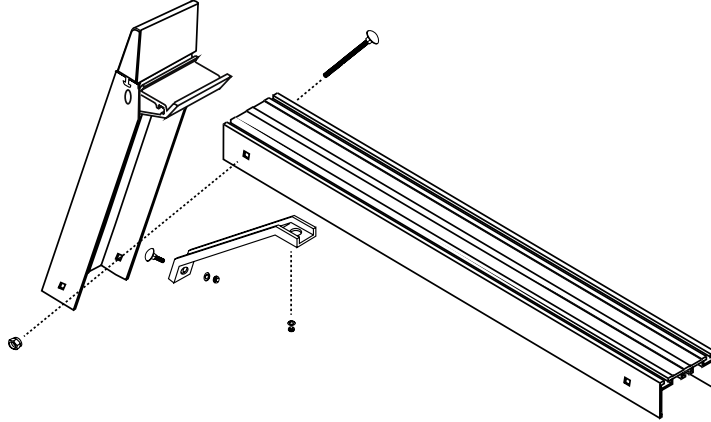


1" CARRIAGE BOLTS (x 4)



5/16" STAINLESS LOCK WASHERS & NUTS (x 8)

Install crossmember on gusset as shown, and fasten loosely with 5" long carriage bolts and 3/8" locknuts. 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.



STEP 5: INSTALL TRUSS MOUNTS ON EXPLORER SERIES RAILS

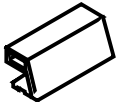
HARDWARE USED:



1" CARRIAGE BOLTS (x 8)

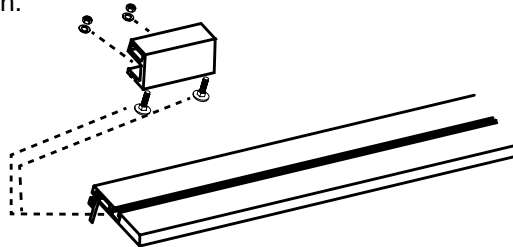


5/16" STAINLESS LOCK WASHERS & NUTS (x 8)



TRUSS MOUNTS (x4)

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.



STEP 6: INSTALL PICKUP TRUSSES ON TRUSS MOUNTS

HARDWARE USED:



5" CARRIAGE BOLTS (x 4)



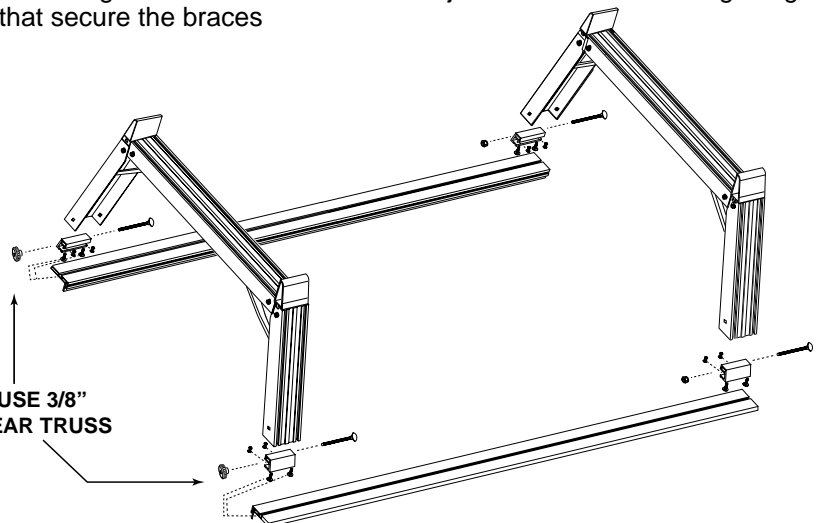
3/8" LOCK NUT (x 2)



3/8" KNOB (x2)

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

UTILITY RIGS USE 3/8" KNOBS ON REAR TRUSS



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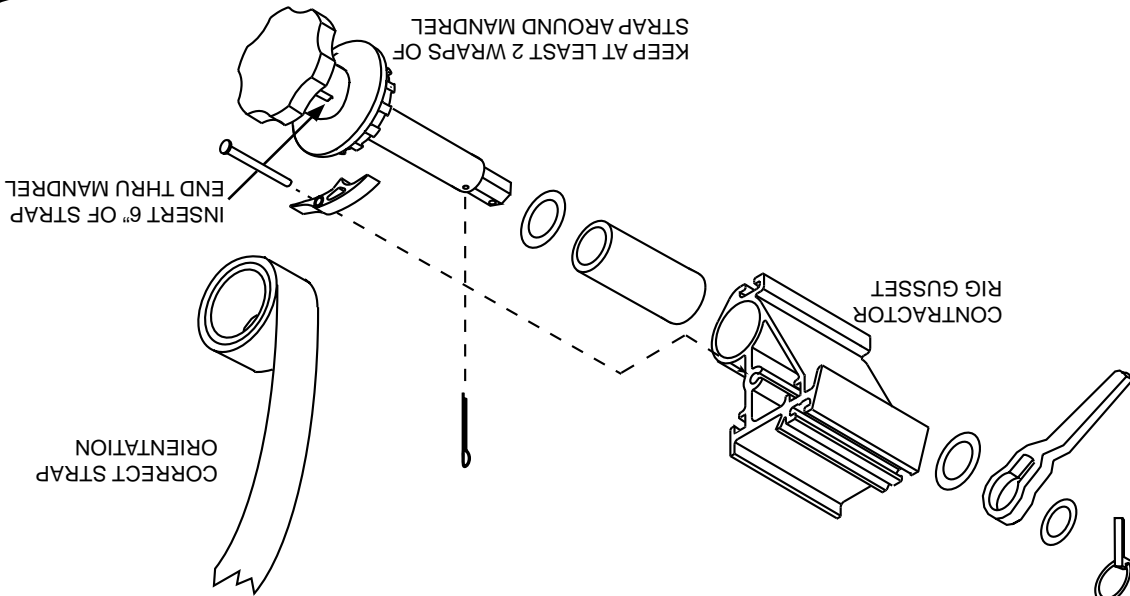
To secure a load, let the handle hang freely, lift the pawl and pull out enough strap to go over the load. For pickup trucks, engage the hook on the underside of the 2 1/2" tall lip of the crossmember. Take up the slack by rotating the hand wheel and tighten using the handle. Do not over tighten as the 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.**

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.

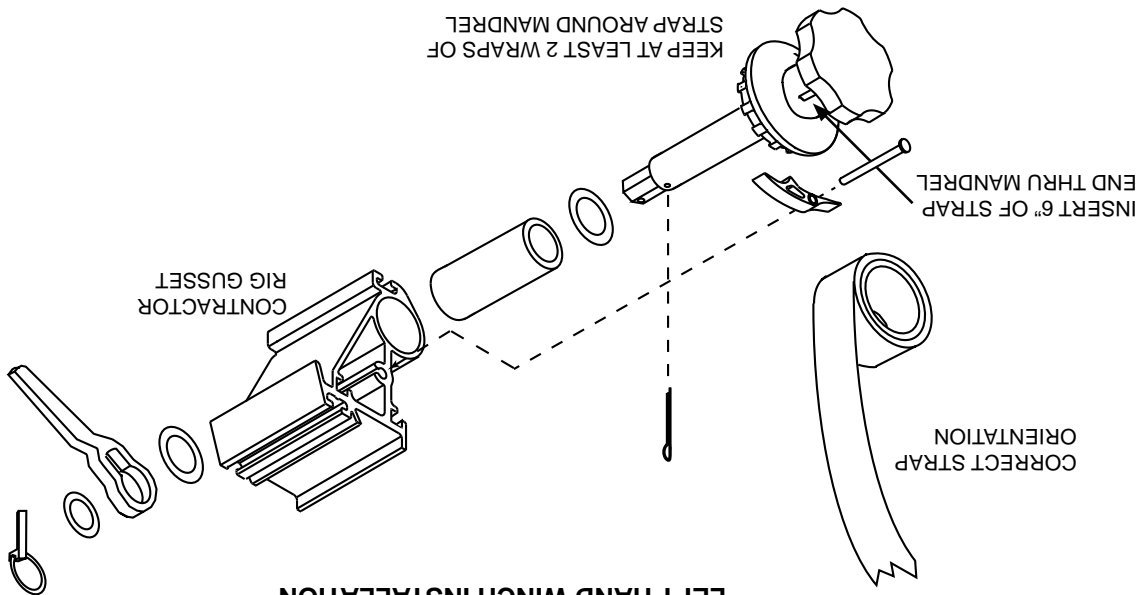
Inspect strap and winch assembly before each use and replace if worn or damaged. Make sure that the cotter pin and washers are securely in place and that parts move freely. Keep at least 2 wraps of strap around mandrel. Keep strap away from sharp or hot surfaces. **CHECK TENSION FREQUENTLY - STRAPS STRETCH 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

OPERATION & CAUTIONS

RIGHT HAND WINCH INSTALLATION



LEFT HAND WINCH INSTALLATION



STEP 3: INSTALLATION DETAIL & DRAWING

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.

WORK WINCH™

INTEGRATED TIE-DOWN SYSTEM (INCLUDED WITH CONTRACTOR RIG RACK)

STANDARD INSTALLATION INSTRUCTIONS

The Work Winch is installed on Contractor Rig rack after the entire rack has been assembled and installed. 4 Work Winches are included with the Contractor Rig Rack and 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).

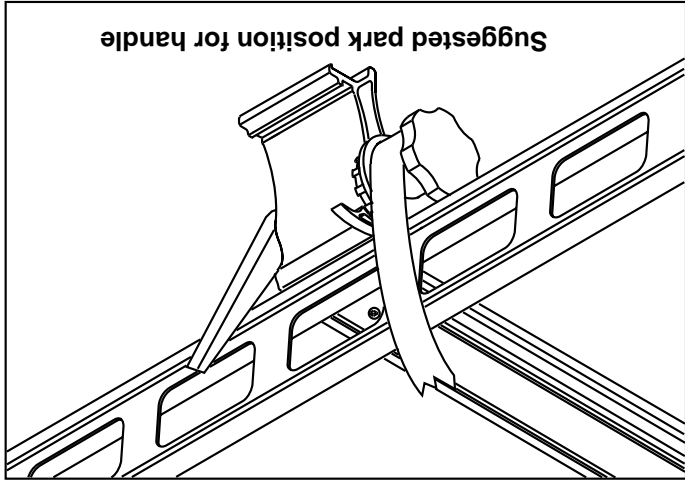
WORK WINCH BOX CONTENTS:

STEP 1: INSTALL WORK WINCH IN GUSSET

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 lynch pin and lock it.

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



STEP 2: INSTALL THE STRAP

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.

STEP 9: INSTALL CROSSMEMBER

HARDWARE USED:



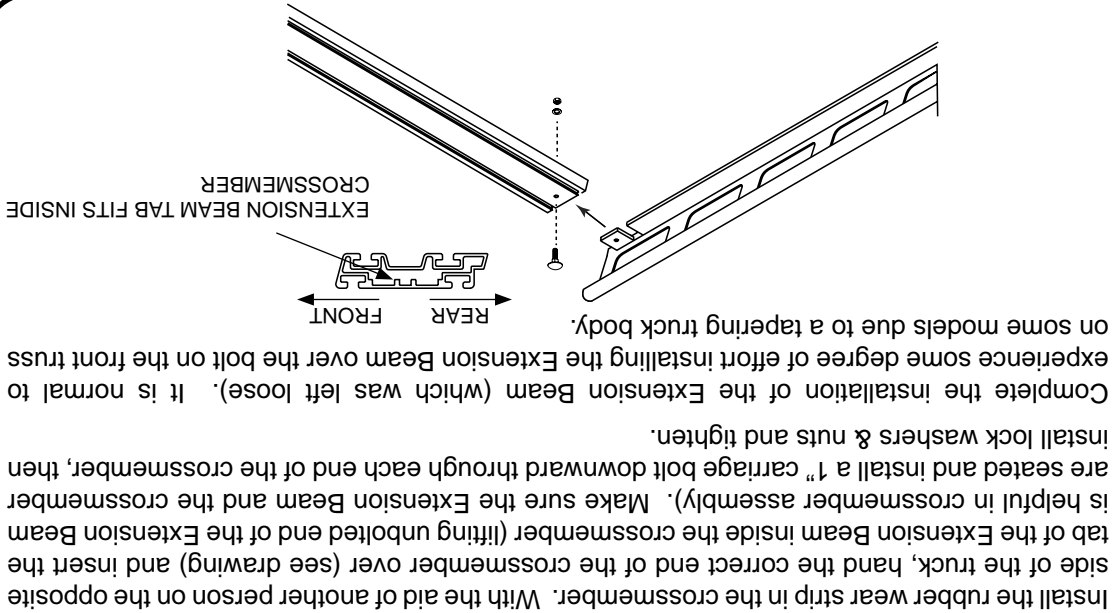
1" CARRIAGE BOLTS (x 8)



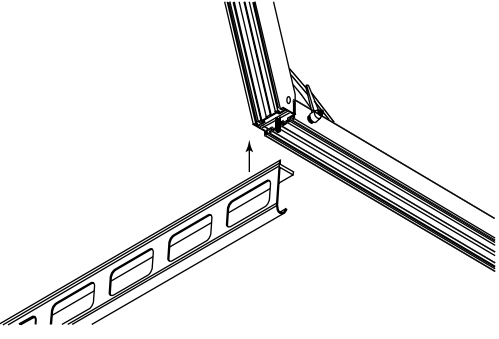
5/16" STAINLESS LOCK
WASHERS (x 8)



5/16" STAINLESS
NUTS (x 8)



STEP 9: 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.

HARDWARE USED:

- 5/16" STAINLESS LOCK WASHERS (x 8)
- 5/16" STAINLESS NUTS (x 8)

STEP 8: INSTALL DECAL OVER SPLICE JOINTS




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

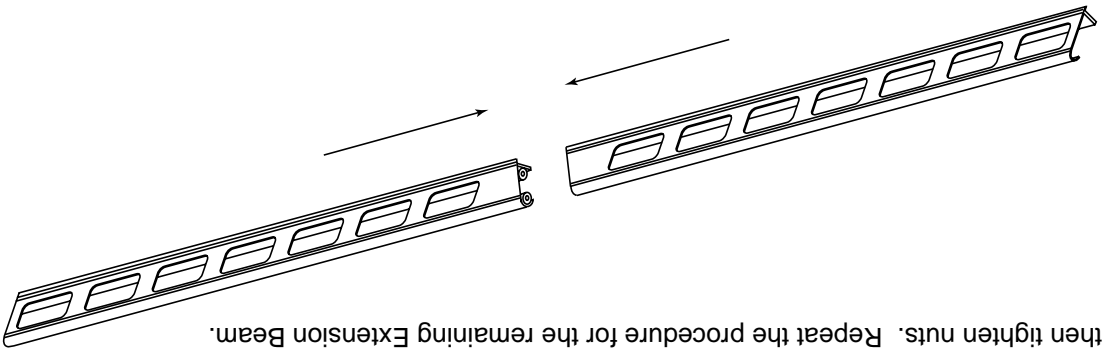
Position the decal accurately so that it repeats the punched hole pattern. Although the decal can be installed dry, the "wet method" makes the job much easier. Just add 10 or 12 drops of dish washing liquid to a glass of water, pull off the decal backing, wet the decal and the Extension Beam and apply 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.

HARDWARE USED:

- PARALLELOGRAM DECALS (x2)



STEP 7: ASSEMBLE EXTENSION BEAM HALVES

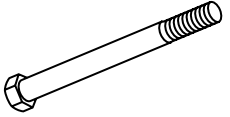


You will need a smooth clean surface where you can bolt together the halves of the Extension Beams (ie. cardboard, paper, plastic).

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.

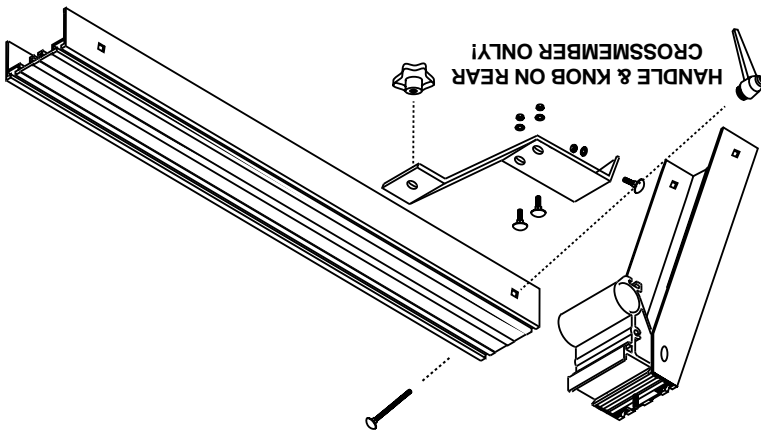
HARDWARE USED:

- 4-3/8" STAINLESS BOLTS (x 4)
- 3/8" STAINLESS FLAT WASHERS (x4)
- 3/8" STAINLESS LOCK WASHERS (x8)
- 3/8" STAINLESS NUT (x4)



STEP 4: ASSEMBLE CROSSMEMBERS, LEGS & 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.



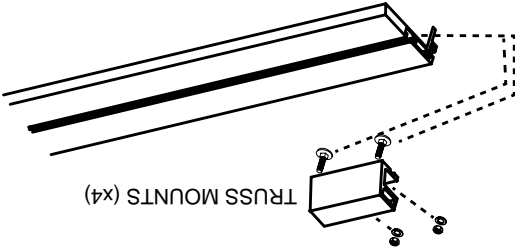
HANDLE & KNOB ON REAR CROSSMEMBER ONLY!

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.

- HARDWARE USED:**
- 5" CARRIAGE BOLTS (x 4)
 - 3/8" LOCK NUT (x 2)
 - BRACES (x 4)
 - 5/16" STAINLESS LOCK WASHERS & NUTS (x 12)
 - 1" CARRIAGE BOLTS (x 12)
 - 3/8" ADJUSTABLE HANDLES (x 2)
 - 5/16" KNOB (x 2)

STEP 5: INSTALL TRUSS MOUNTS ON EXPLORER SERIES RAILS

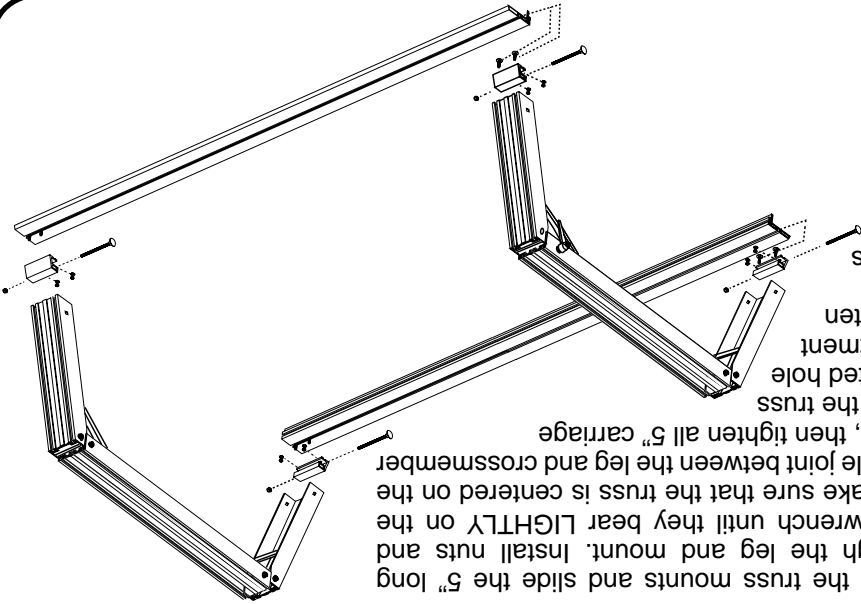
Slide two 1" carriage bolts into the upper T-slots on each end of both Rails. Place a truss mount on each of the bolt pairs (truss mount should be leaning inward as shown), positioning the mounts 1/8" in from the ends of the rails. Install lock washers and nuts and tighten with a 1/2" open end wrench.



- HARDWARE USED:**
- 1" CARRIAGE BOLTS (x 8)
 - 5/16" STAINLESS LOCK WASHERS & NUTS (x 8)

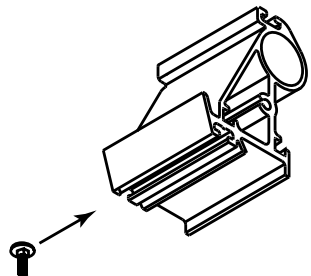
STEP 6: INSTALL PICKUP TRUSSES ON TRUSS MOUNTS

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 and knobs that secure the braces



- HARDWARE USED:**
- 5" CARRIAGE BOLTS (x 4)
 - 3/8" LOCK NUT (x 4)

STEP 1: INSTALL EXTENSION BEAM MOUNTING BOLTS

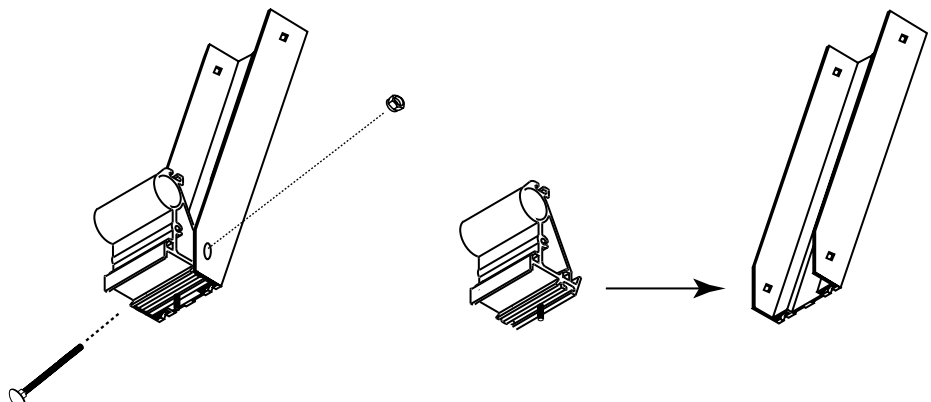


Slide 1" Carriage bolt into the T-slot of the gusset as shown above.

HARDWARE USED:

- 1" CARRIAGE BOLTS x 4
- HEAVY GUSSETS x 4

STEP 2: ASSEMBLE LEGS & GUSSETS

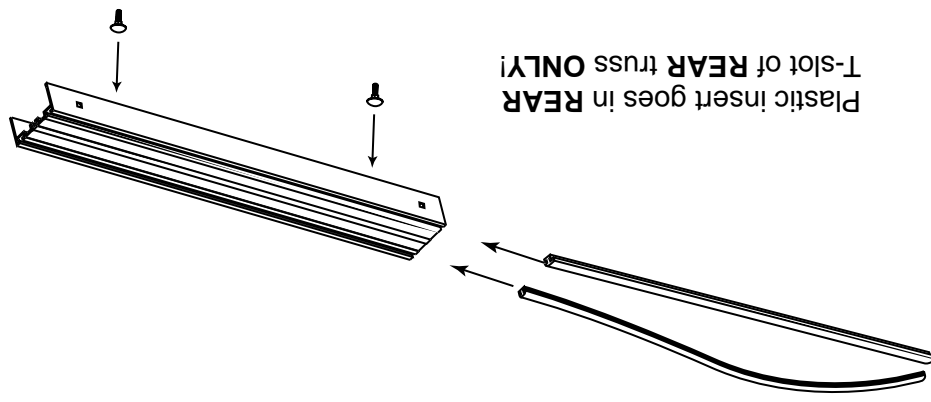


Install gussets into legs as shown until holes align, then slide the 5" carriage bolts through the holes. Install the 3/8" lock nuts on the 5" carriage bolts and tighten with a 9/16" wrench until they bear lightly (do not tighten yet) on the aluminum surface.

HARDWARE USED:

- LEGS x 4
- 5" CARRIAGE BOLTS x 4
- 3/8" LOCK NUTS x 4

STEP 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.

Plastic insert goes in **REAR** T-slot of **REAR** truss **ONLY!**

HARDWARE USED:





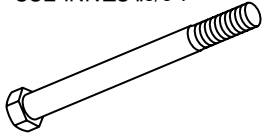

- TRUSS CROSS-MEMBER (x2)
- CROSSMEMBER ANTI-TRUSS RUBBER (x2)
- WEAR INSERTS (x2)
- TRUSS CROSSMEMBER (x1)
- FRICION INSERT (x1)
- 1" CARRIAGE BOLTS x 4






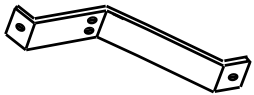


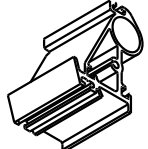
INSTALL TIP!

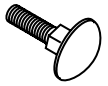


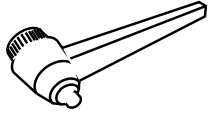

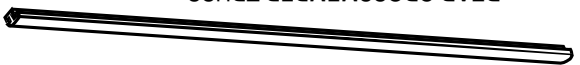



INSTALL TIP!

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.

A General Note on Assembly:

 <p>PARALLELOGRAM DECALS (x2)</p>	 <p>3/8" STAINLESS LOCK WASHERS (x4)</p>	 <p>3/8" STAINLESS FLAT WASHERS (x8)</p>	 <p>3/8" STAINLESS NUT (x4)</p>	 <p>4-3/8" STAINLESS BOLTS (x 4)</p>
 <p>EXTENSION BEAM HALVES (x4)</p>				
<p>CONTRACTOR RIG EXTENSION BEAM BOX CONTENTS:</p>				

 <p>5/16" STAINLESS LOCK NUTS (x24)</p>	 <p>5/16" STAINLESS LOCK WASHERS (x24)</p>	 <p>1" CARRIAGE BOLTS (x24)</p>	 <p>3/8" LOCK NUT (x12)</p>	 <p>5" CARRIAGE BOLTS (x 12)</p>
 <p>BRACES (x 4)</p>	 <p>TRUSS MOUNTS (x4)</p>	 <p>LEGS (x4)</p>	 <p>HEAVY GUSSETS (x 4)</p>	
<p>CONTRACTOR RIG LEG BOX CONTENTS:</p>				

 <p>1" CARRIAGE BOLTS (x6)</p>	 <p>5/16" STAINLESS LOCK WASHERS (x6)</p>	 <p>5/16" STAINLESS LOCK NUTS (x6)</p>	 <p>3/8" ADJUSTABLE HANDLES (x2)</p>	 <p>5/16" KNOB (x2)</p>
 <p>REAR CROSSMEMBER TRUSS (x1)</p>		 <p>CROSSMEMBER TRUSS RUBBER ANTI-WEAR INSERTS (x3)</p>		
 <p>TRUSS CROSSMEMBER (x2)</p>		 <p>EXT. BEAM CROSSMEMBER (x1)</p>		
<p>CONTRACTOR RIG CROSSMEMBER BOX CONTENTS:</p>				

TOOLS REQUIRED FOR ASSEMBLY:

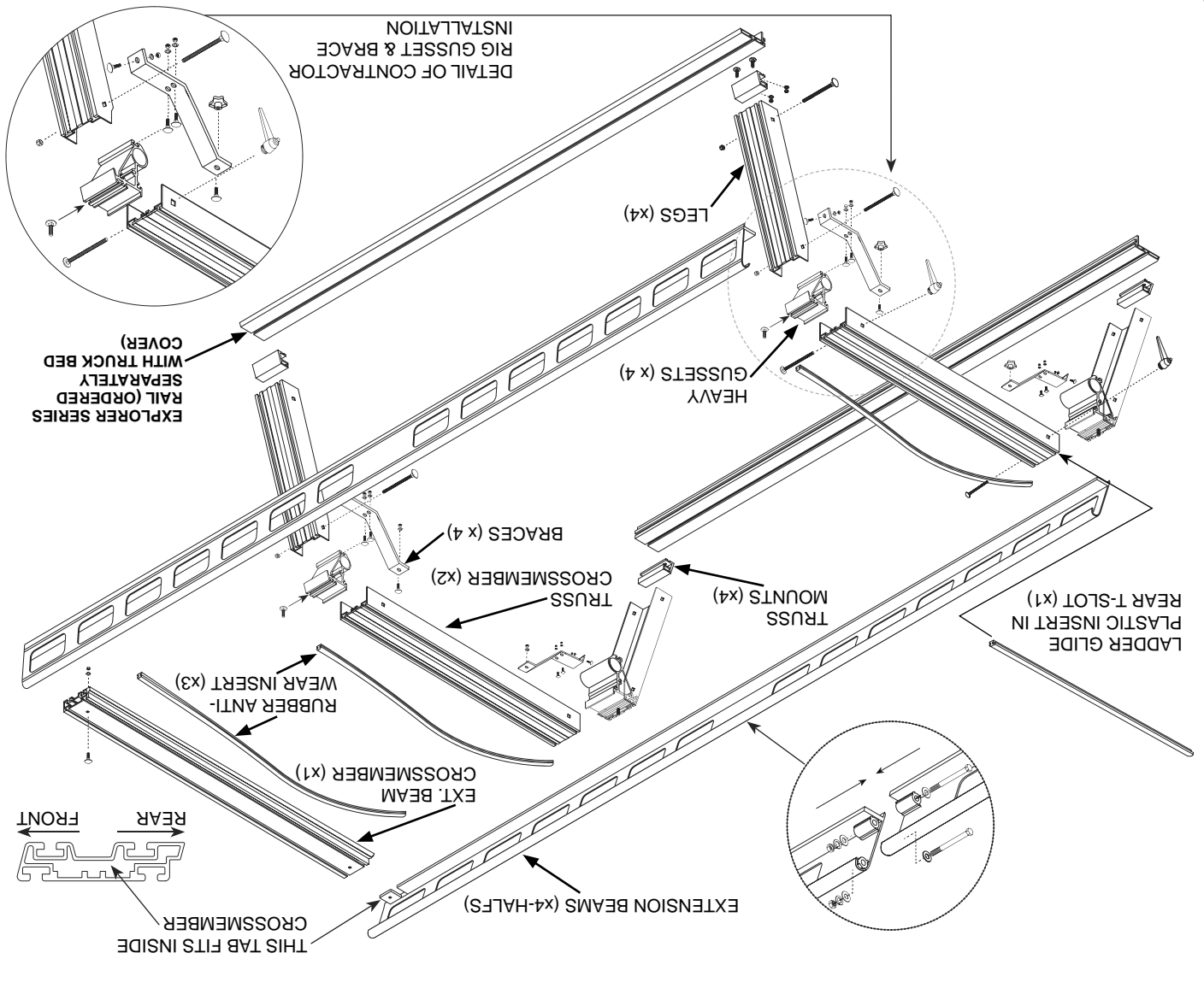
9/16" wrench or socket
 Flat clean surface (such as card board paper or plastic
 Silicone sealant (if necessary)

BEFORE YOU START:

Read the instructions carefully before you start. These instructions are written for one-person installation. We have noted where briefly having an extra person's assistance can make installation easier. If you have questions regarding the installation please call our Technical Support Line at (800) 338-3697.

IMPORTANT! The Pace Edwards truck bed cover and Explorer Series Rails **MUST** be installed on the truck first before attempting to install this rack system!

UTILITY RIG RACK ILLUSTRATION:



CONTRACTOR RIG RACK

PAGE EDWARDS RETRACTABLE HARD TRUCK BED COVER & UTILITY RACK SYSTEM

STANDARD INSTALLATION INSTRUCTIONS



IMPORTANT! The Pace Edwards truck bed cover and Explorer Series Rails **MUST** be installed on the truck first before attempting to install this rack system!

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#1 RETRACTABLE TRUCK BED COVER

