



**TRUCK AND VAN EQUIPMENT**



# INSTALLATION MANUAL

## MODEL 1200 FULL SIZE TRUCK MODEL 1205 COMPACT SIZE TRUCK

### - ATTENTION -

Read and understand all instructions and warnings before installing and using this product. Confirm contents of the shipping carton with the "Parts Identification" page before beginning installation. If a part is missing, or if you have any questions, please call WEATHER GUARD® customer service at 1-800-456-7865.

### ⚠ WARNING

This product is only intended for, and only safe for, transporting ladders, lumber, pipe and other similar materials. It is the responsibility of the user to secure these materials to the rack before transporting. Any modifications made to this product, or use of this product for any other purpose than its intended use, could create a hazardous condition that can cause serious personal injury or property damage.

Ladders must be secured per ANSI standard A142.2-1990 paragraph 8.4.4. Ladder damage will occur from road shock and vehicle vibration if the ladder is not properly secured to the ladder rack. Bouncing and side to side motion of a improperly secured ladder will cause wear and weaken the ladder. Using a damaged ladder could lead to a structural collapse and could result in a serious injury or death.

### - NOTICE -

Any modification or unintended use of this product shall immediately void all manufacturers warranties. Manufacturer disclaims all liability for injuries to persons or property resulting from any modification to, or unintended use of this product.

Some vehicle manufacturers require a reinforcing kit, available through the vehicle dealership, to be installed on the truck bed prior to mounting any kind of rack or tool box. Contact your dealership to see if your vehicle requires a reinforcing kit before installation.

### ⚠ CAUTION

Never load your rack to exceed the safe capacity of your vehicle. Heavy loads when carried high can dangerously alter the center of gravity of your vehicle. Consult your vehicle owners manual for specifications on load ratings and recommendations from the vehicle manufacturer regarding installation of after market racks and tool boxes.

**Load capacity: Up to 800 lbs. evenly distributed.**

**Approximate Assembly and Installation Time:  
60 min. (1 hr.) depending on truck equipment installation experience.**

#### LIMITED WARRANTY

This LIMITED WARRANTY is made by Knaack LLC, 420 E. TerraCotta Ave., Crystal Lake, Illinois to the original retail purchaser of KNAACK® or WEATHER GUARD® Equipment products.

KNAACK LLC WARRANTS THAT KNAACK OR WEATHER GUARD EQUIPMENT WILL BE FREE FROM DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF TWO (2) YEARS FROM DATE OF PURCHASE BY THE ORIGINAL RETAIL PURCHASER.

If, before the expiration of the Warranty period, purchaser discovers that the KNAACK or WEATHER GUARD Equipment fails to fulfill the Warranty, purchaser shall contact Knaack LLC to make arrangements for an inspection of the product. If Knaack LLC determines a defect exists, Knaack LLC shall, at its option and expense, repair or replace any defective part. All Warranty repairs shall be made by an authorized KNAACK Equipment dealer or Knaack LLC approved service company.

This Warranty shall not apply if the KNAACK or WEATHER GUARD Equipment has been subjected to misuse, abnormal service or handling, improper maintenance, or alterations made by anyone other than a KNAACK or WEATHER GUARD Equipment dealer or a Knaack LLC approved service company.

THE WARRANTY PRINTED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PURCHASE. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED.

KNAACK LLC SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF ANY BREACH OF THIS WARRANTY. NOR SHALL

THE DAMAGES EXCEED THE RETURN AMOUNT OF THE PURCHASE PRICE PAID BY THE ORIGINAL PURCHASER.

This Warranty is in lieu of all Warranties express or implied. The terms of this Warranty shall not be modified by any party, their successors or assigns. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### BED LINER NOTE

The Model 1200 and 1205 are design to be installed on a truck bed without a traditional plastic bed liner. Installation is possible with minimal trimming with an under-the-rail plastic bed liner. Excessive trimming will be required with an over-the-rail plastic bed liner. Spray-On bed liners do not interfere with the installation of the Model 1200 or 1205.



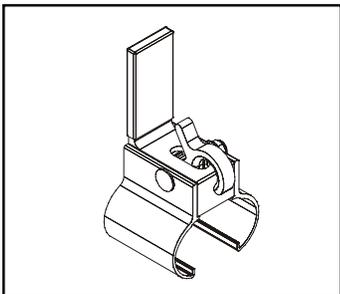
**KNAACK LLC**  
420 E. TERRA COTTA AVENUE, CRYSTAL LAKE, ILLINOIS, USA 60014  
815-459-6020, info@knaack.com

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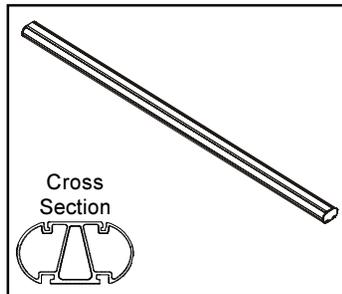
WEATHER GUARD® products are protected by one or more of the following patents or trademarks:  
U.S. - 4509787, 842268, 1661625, 1663369, 2228051, 2434963; U.K. - 1400720; NZ - 296049;  
Aus. - 761964; Canada - 1218968, 282725.



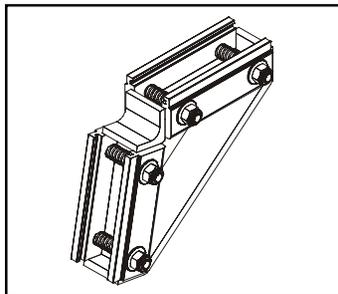
## PART IDENTIFICATION & REPLACEMENT PART NUMBERS



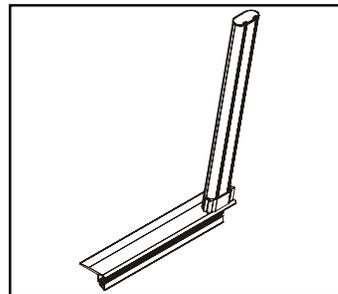
Part A (Qty. 4)  
Universal  
Ladder Stop  
Replacement Part #7611



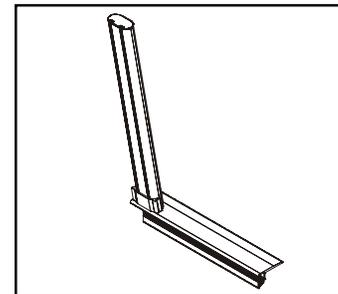
Part B (Qty. 2)  
Cross Member  
Replacement Part #7608



Part C (Qty. 4)  
Universal  
Triangle Bracket  
Replacement Part #7622



Part D (Qty. 1)  
Driver Side  
Front Leg  
Replacement Part #7605



Part E (Qty. 1)  
Passenger Side  
Front Leg  
Replacement Part #7606

### TOOLS REQUIRED

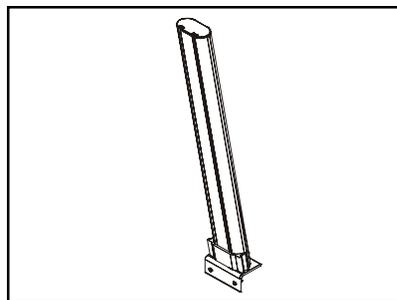
3/8" Drive Ratchet  
3/8" Drive Socket 1/2" Deep Well  
3/8" Drive Socket 9/16"  
3/8" Drive Torque Wrench (foot lbs.)  
Utility Knife  
Masking Tape  
Tape Measure

### FIT-UP

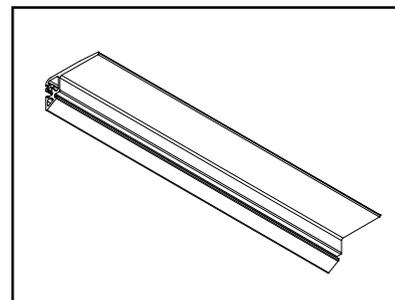
Product fit-up is based on vehicle design available at the revision date of this installation manual. The ATR™ is designed for a variety of bed lengths and cab designs on most pickup trucks.

The ATR™ is not recommended on the following vehicles:

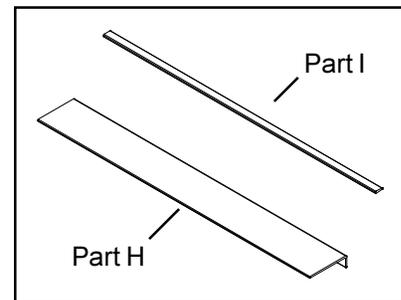
GMC Sonoma Crew Cab 4.5 Bed  
Chevy S-10 Crew Cab 4.5 Bed  
Toyota Tacoma



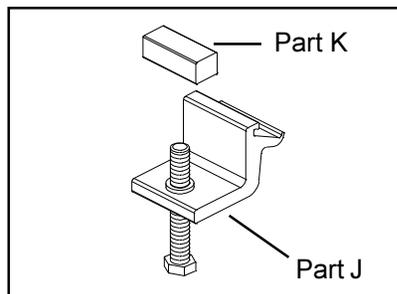
Part F (Qty. 2)  
Universal  
Rear Leg  
Replacement Part #7610



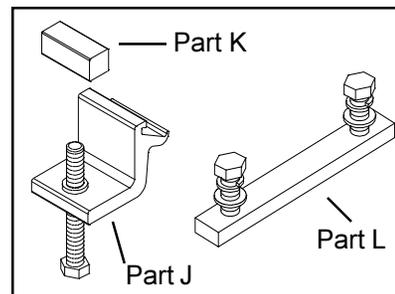
Part G (Qty. 2)  
Universal  
Rear Mounting Rail  
Replacement Part #7607



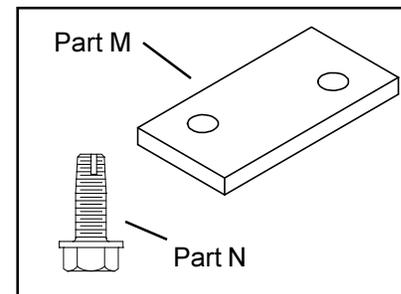
Mounting Pad & Wedge Kit  
Part H - Mounting Pad (Qty. 4)  
Part I - Mounting Wedge (Qty. 2)  
Replacement Part #7609



Front Assembly Hardware Kit  
Part J - Clamp Assembly (Qty. 4)  
Part K - Clamp Block (Qty. 4)  
Replacement Part #7612



Rear Assembly Hardware Kit  
Part J - Clamp Assembly (Qty. 4)  
Part K - Clamp Block (Qty. 4)  
Part L - Mounting Bar (Qty. 2)  
Replacement Part Number #7615



Tool Box Mounting Kit (May not use)  
Part M - Shim (Qty. 4)  
Part N - 5/16-18 x 3/4"  
Self Tapping Bolt (Qty. 4)  
Replacement Part #7616

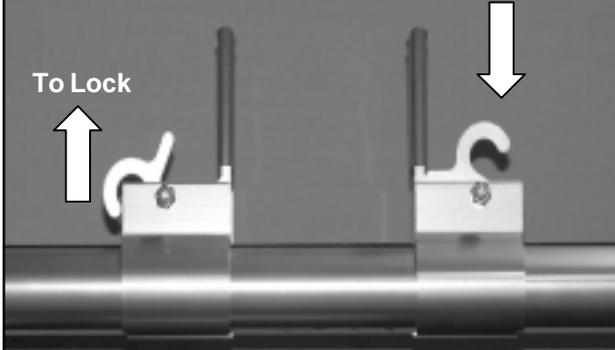
## STEP ONE



Unlocked Position

Holding the ladder stops, Part A, upside down and in the unlocked position, slide them onto each end of the cross member, Part B. Repeat the process for the other cross member.

## STEP TWO



Unlocked Position

Locked Position

The ladder stops are designed to slide the entire length of the cross member. Once in the desired location, lock ladder stops in place by lifting up on the lever. To unlock, push down on the lever. For purpose of installation position them two feet from either end.

### IMPORTANT!

Do not operate vehicle with ladder stops in the unlocked position.

## STEP THREE

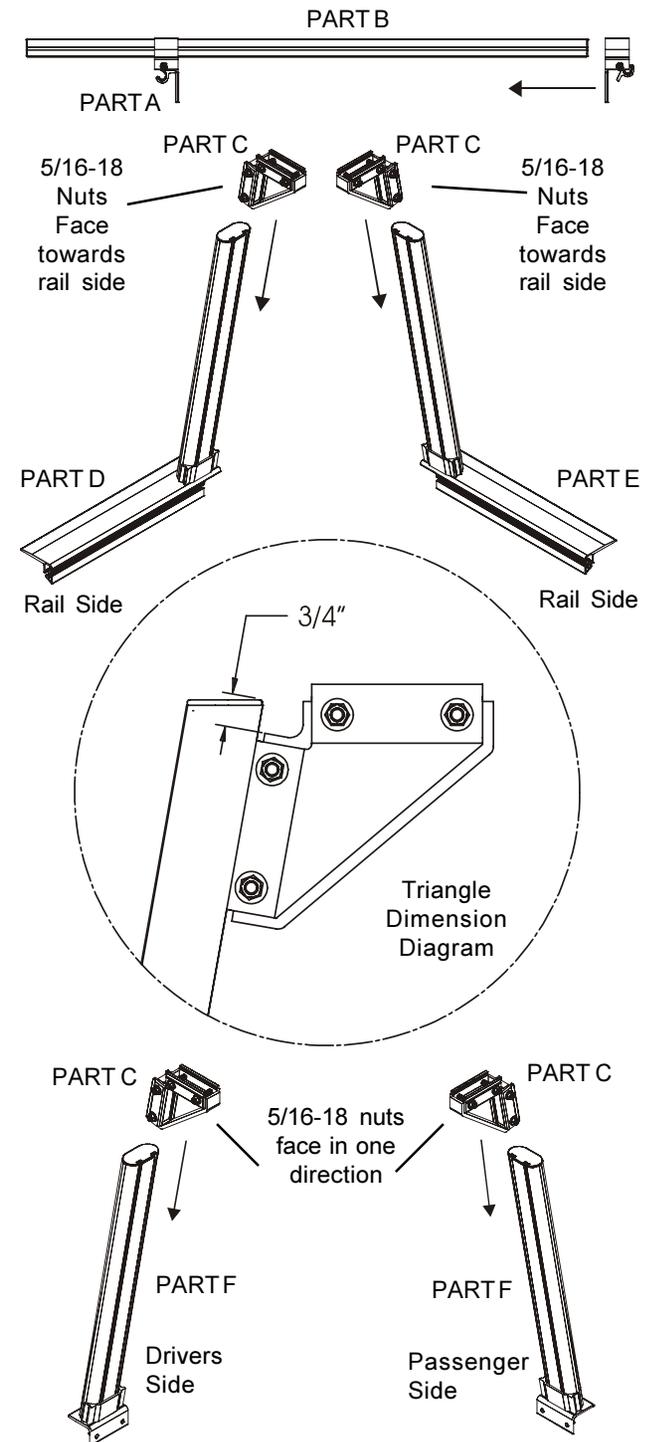


Slide the triangle brackets, Part C, into the driver side front leg, Part D, and passenger side front leg, Part E, from the top. The 5/16-18 nuts are to face towards the rail side of the leg. Using the triangle dimension diagram to the right as a guide, position the triangle brackets 3/4" from the top of the leg. Tighten the 5/16-18 fasteners to 15 foot pounds of torque.

## STEP FOUR



Slide the triangle brackets, Part C, into each of the universal rear legs, Part F, from the top. Create a driver side and passenger side rear leg by facing the 5/16-18 nuts one direction on a leg and the other direction on the other. Using the triangle dimension diagram to the right as a guide, position the triangle brackets 3/4" from the top of the leg. Tighten the 5/16-18 fasteners to 15 foot pounds of torque.



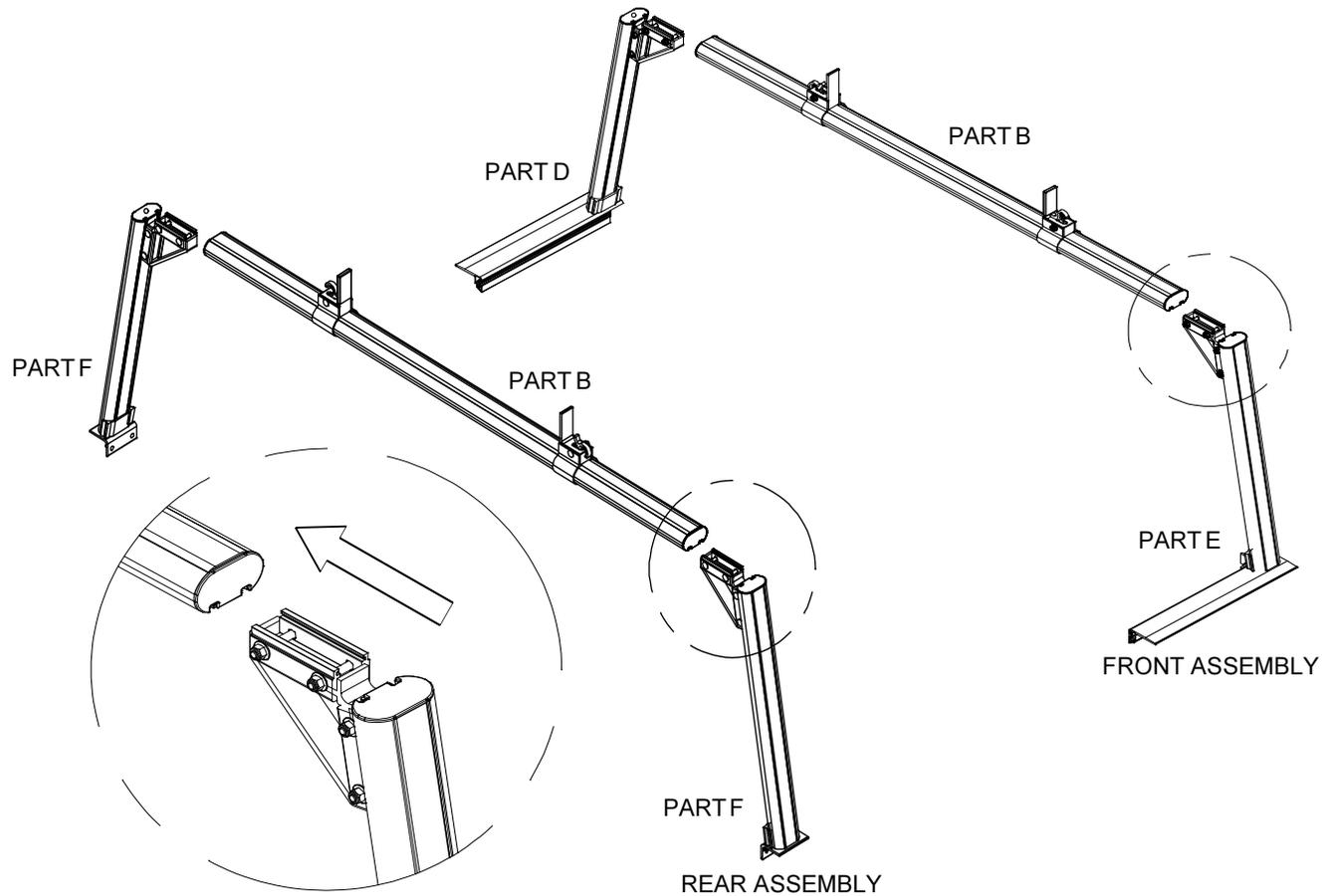
## STEP FIVE



Work on level ground.

Place the cross member assembly, Part B, on its side with the WEATHER GUARD® Product logo facing down. Insert the driver and passenger side front leg assemblies, Parts D & E, into the cross member assembly by sliding them in from both ends.

Now place the second cross member assembly, Part B, on its side with the WEATHER GUARD® Product logo facing up. Insert the two universal rear leg assemblies, Part F, with the 5/16-18 nuts facing up, into the cross member assembly by sliding them in from both ends.



## STEP SIX

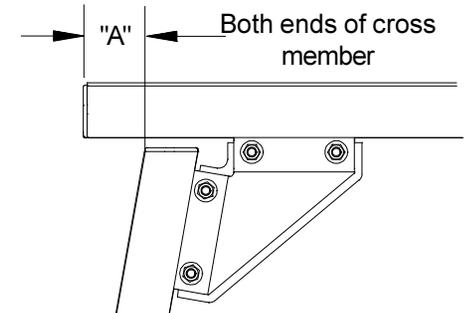


Work on level ground.

Using a torque wrench tighten the 5/16-18 fasteners to 15 foot pounds at the dimension shown in the chart to the right. Column A is for the front assembly and column B is for the rear assembly.

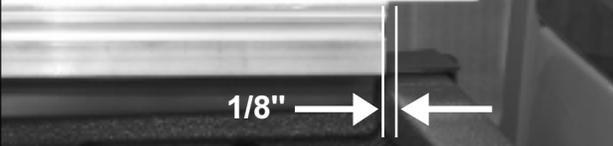
ATR MODEL 1200 FULLSIZE TRUCKS VEHICLE DIMENSION CHART	DIMENSION A FRONT ASSEMBLY	DIMENSION A REAR ASSEMBLY
All GM Sierra/Chevy Silverado Trucks	5.50"	6.25"
All Dodge Ram Trucks	4.75"	6.25"
All Ford F-150 (2003 & 2004) Trucks	6.25"	6.00"
All Ford F-250 & F350 Trucks	5.00"	5.50"
Toyota Tundra 8' Bed	6.50"	6.50"
Toyota Tundra 6.25' Bed	6.75"	6.75"

ATR MODEL 1205 COMPACT SIZE TRUCKS VEHICLE DIMENSION CHART	DIMENSION A FRONT ASSEMBLY	DIMENSION A REAR ASSEMBLY
All GM Sonoma/Chevy S-10 Trucks	3.00"	6.25"
All Dodge Dakota Trucks	2.75"	2.75"
All Ford Ranger Trucks	4.25"	4.50"



**NOTE:** If your vehicle is not shown in the chart, adjust the rack on the ground and test fit it on the truck bed until you reach a snug fit between the bed rails.

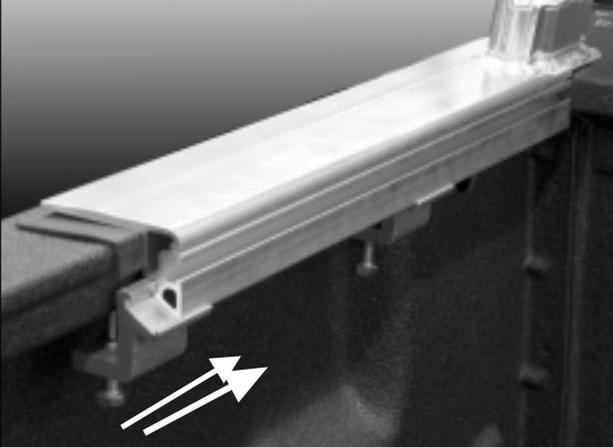
## STEP SEVEN



Place mounting pads, Part H, on top of the truck bed rails. Cut the notch into the mounting pad. Place the front assembly, from Step Six, onto the truck with the notched ends approximately 1/8" from the front of the truck bed.

**NOTE:** Some truck beds will not allow the notch to travel all the way forward.

## STEP NINE

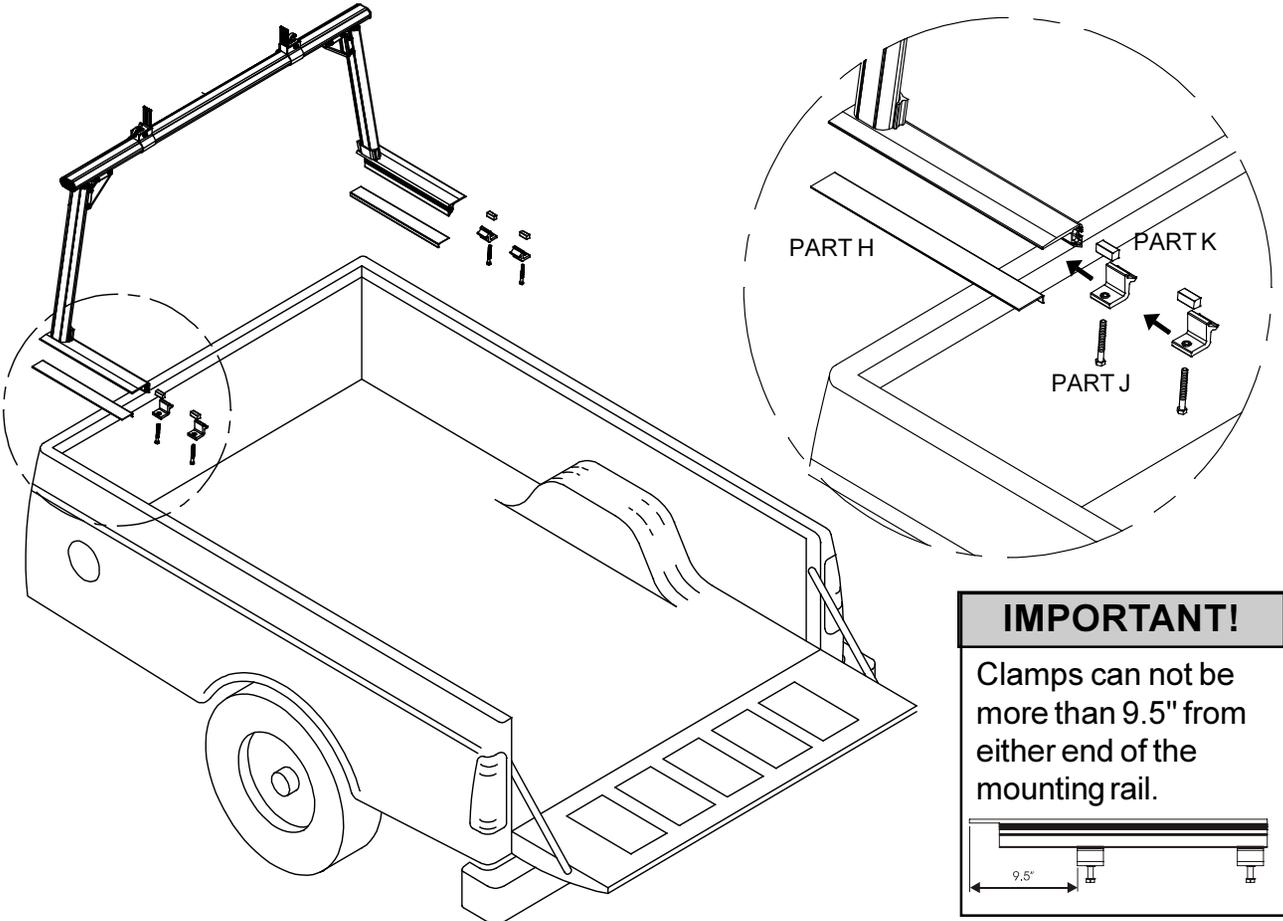


Sliding the clamp assembly, Part J, into the front assembly, place them as far away from each other and as close to the ends of the mounting rails as possible. Clamps can not be more than 9.5" from either end of the mounting rail. Clamp blocks, Part K, are to be flush with the steel underside of the bed rail. Using a torque wrench, tighten the 3/8-16 fasteners in the clamp assembly to 10 foot pounds.

## STEP EIGHT

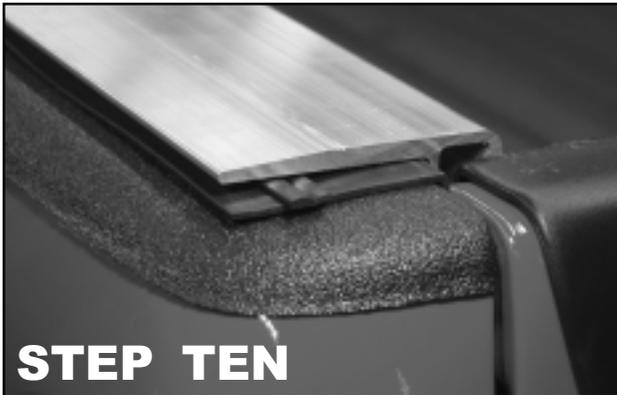


Place clamp block, Part K, on the threaded end of the clamp assembly, Part J. The clamp block has an offset hole. The thick side should face in towards the clamp. Use the thin side if extra clearance is needed.



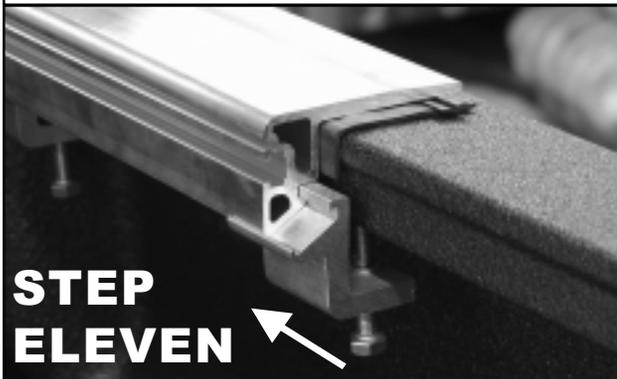
**STEP NINE NOTE:** For Ford F250/350 and some Dodge Dakota vehicles place the front assembly 3" from front of truck bed. Hold the clamp assembly, Part J, in place and slide the mounting rail into the clamp until it is 1/8" from the front of the truck.





## STEP TEN

With the tailgate closed place the mounting pads, Part H, on top of the truck bed rails. Tape in place the mounting wedge, Part I, on top of the mounting pad using the diagram to the right as a guide. Set the rear mounting rail, Part G, on top of the wedge and pad 1/8" from the closed tail gate.

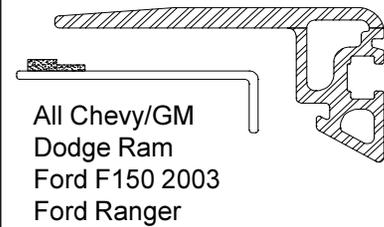


## STEP ELEVEN

Sliding the assembly clamps, Part J, into the rear mounting rail, Part G, place them as far away from each other and as close to the ends of the mounting rails as possible. Clamps can not be more than 9.5" from the ends of the mounting rails. Clamp blocks, Part K, are to be flush with the steel underside of the bed rail. Using a torque wrench, tighten the 3/8-16 fasteners in the clamps to 10 foot pounds.

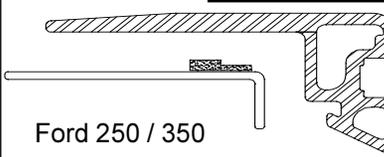
### Mounting Wedge Location

Must be level on both axis.



All Chevy/GM  
Dodge Ram  
Ford F150 2003  
Ford Ranger

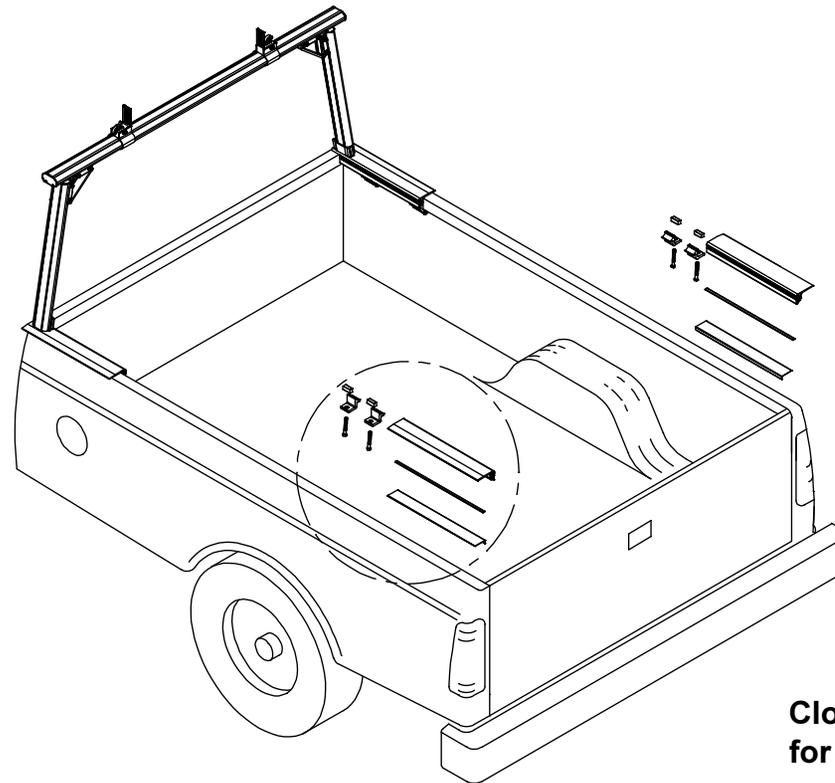
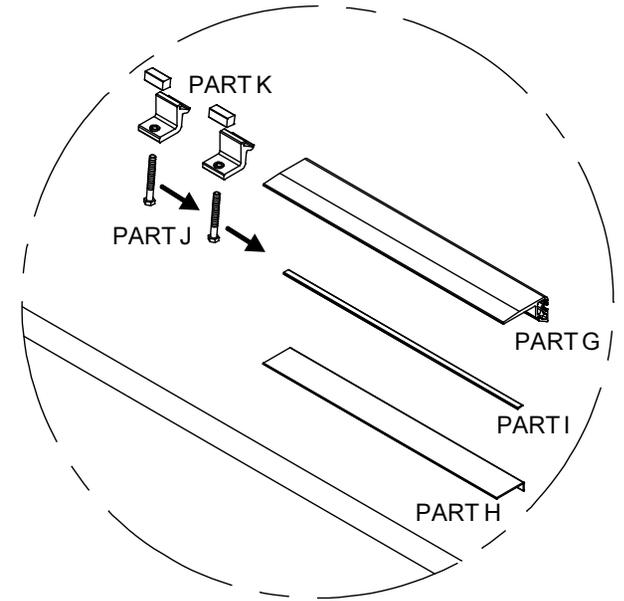
Wedge locations are approximate. Make adjustments to ensure mounting rail, Part G, is level on both axis when clamped to top of bed rail.



Ford 250 / 350

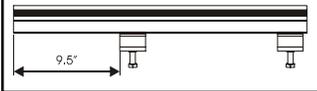
Must be level on both axis.

No Wedge Necessary for the following vehicles:  
Ford 150 2004      Toyota Tundra  
Dodge Dakota



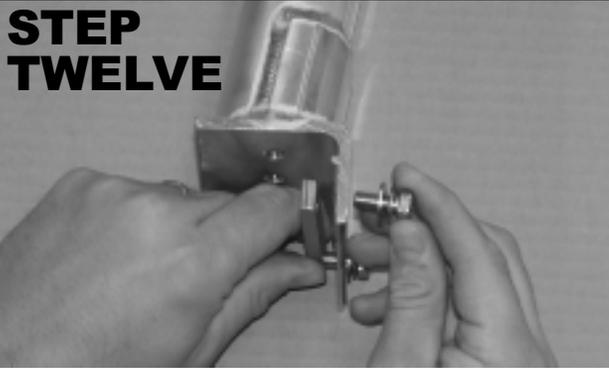
### IMPORTANT!

Clamps can not be more than 9.5" from either end of the mounting rail.

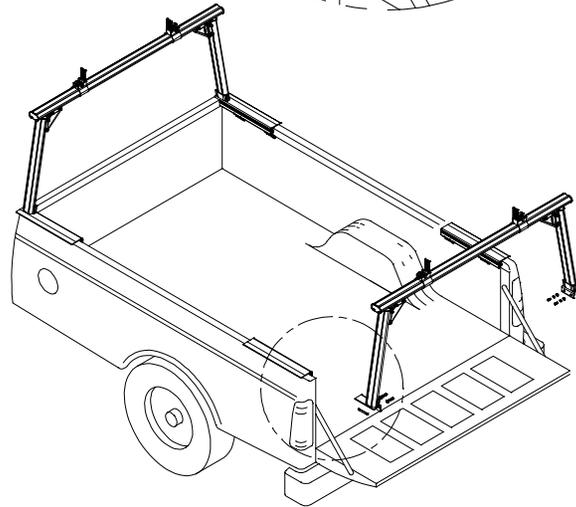
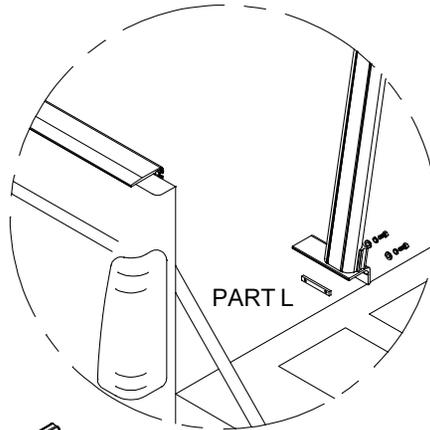


**Close Tailgate  
for Steps 6 & 7**

## STEP TWELVE



Disassemble the mounting bar, Part L, from the rear assembly hardware kit and reassemble on the rear leg assembly, from Step Six. Repeat process for other rear leg.



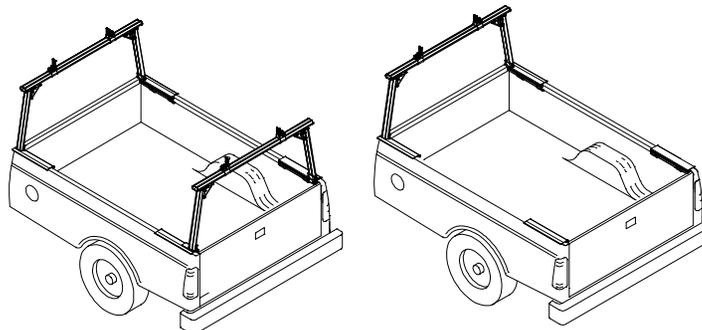
## STEP THIRTEEN



With the tailgate open, slide the rear cross member assembly, from Step Six, into the mounting rail channels with the logo facing towards the rear. The driver side and passenger side need to slide into the mounting rail at the same time in order to avoid binding. Legs can be placed at any location along the mounting rail. Using a torque wrench, tighten the four 5/16" hex head bolts to 15 foot pounds.

**NOTE:** Due to the taper of some truck beds, it may be necessary to shorten the distance between the legs as you slide the assembly towards the front of the vehicle.

**ONLY OPERATE VEHICLE WITH OR WITHOUT ENTIRE REAR CROSS MEMBER ASSEMBLY.**



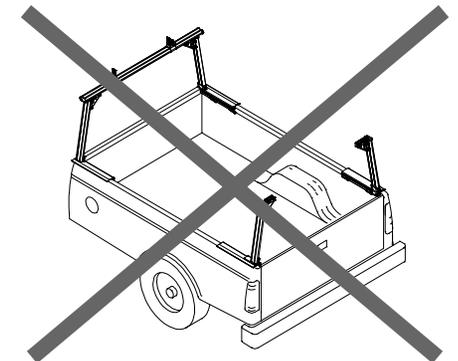
## IMPORTANT!

Before operating vehicle check to ensure the 3/8" bolts in the clamp assembly, Part J, are set to a torque rating of 10 foot pounds and all the 5/16" fasteners are set to a torque rating of 15 foot pounds.

At the end of the first week of use check all fasteners for proper tightness and then every three months thereafter.

# Installation is now complete.

**DO NOT OPERATE VEHICLE WITH OUT THE REAR CROSS MEMBER**



## Tool Box Mounting Procedure

If a bed rail mounted tool box is to be installed with the Model 1200 or 1205, use the 1/4" thick shims, Part M, that are provided in the tool box mounting hardware kit (came with the ATR™) along with the "J" bolts (supplied with the tool box). This will insure a level mounting of the tool box on the truck bed rails.

Where the mounting rails (Parts D, E, & F) obstruct the use of a "J" Bolt, use a 5/16-18 x 3/4" self-tapping bolt, Part N, in its place which is supplied in the tool box mounting hardware kit that came with the ATR™.

Place the tool box in the desired location on the truck and trace the mounting slot in the bottom of the tool box directly onto the mounting rail.

Move the tool box out of the way and drill a 1/4" dia. hole 3/4" from the inside edge of the mounting rail. (See diagram)

Reset the tool box in the desired position and install the 5/16-18 x 3/4" self tapping bolt and fender washer. The fender washer came with the "J" bolts. If needed, use the 1/4" shims, Part M, to level the tool box on the truck.

### IMPORTANT!

**Do not overtighten the self-tapping bolts.**

