



**Before returning this product  
to the store of purchase**

**Contact Dee Zee if you experience the following problems:**

- Missing Parts
- Installation Problems/Questions
- Warranty Questions

**1.800.779.2102**

Hours of operation: 8am - 5pm CST, Mon-Friday

Review complete warranty policy and register your product at:

**[www.deezee.com/warranty.php](http://www.deezee.com/warranty.php)**

# INSTALLATION INSTRUCTIONS

## UNIVERSAL CONSTRUCTION RACK

PART # xxS / Short Rack or PART # xxL / Long Rack



PT# xxS on  
09 Ram Quad Cab  
Standard 6-1/2' Bed

**NOTE: Construction Rack will not fit 2009 Ram with 5-1/2' Bed.**

**Construction Rack is not recommended for Ford or GM/Chevrolet trucks equipped with 5-1/2' beds.**



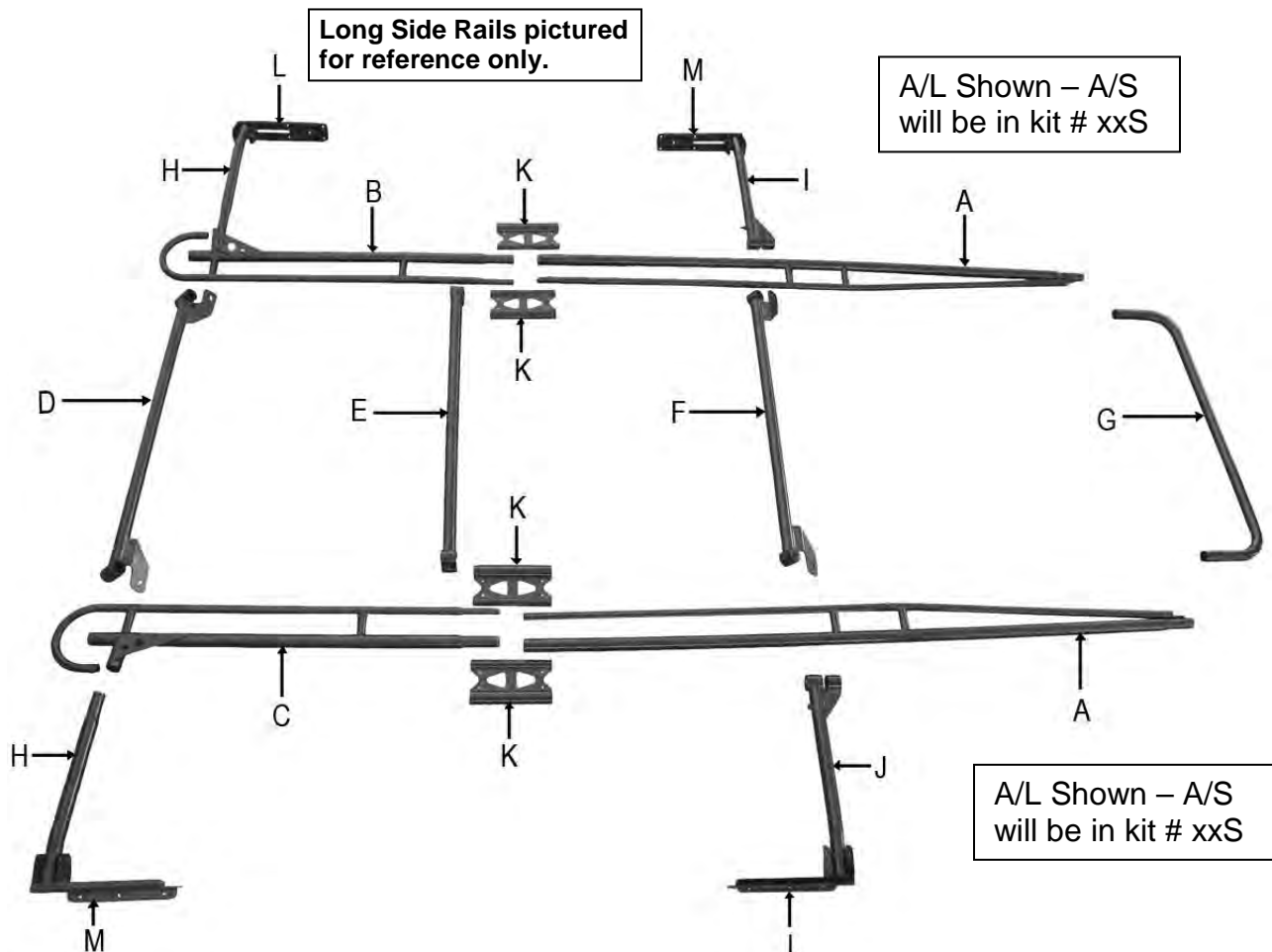
PT# xxL on  
2003 Super Duty  
Super Crew  
Standard 6-1/2' Bed

### **CAUTION PRODUCT DISCLAIMER:**

*Too much weight will greatly reduce the stability of your vehicle and increase the vehicle's tendency to overturn. Manufacturer makes no representation or warranty as to the amount of weight that your vehicle can safely carry. For guidance in proper use of any load carrying rack, consult your vehicle owner's manual for proper load ratings. Also note that adding weight above the bed floor greatly lowers the safe load limit. Secure all payloads properly for safe transportation.*

**PARTS LIST: Note: you will only have two front Side Rails either short or long depending on the part number you ordered.**

2	Long Front Side Rails for PT# xxL - (A/L)	4	Bed Protector Plates
2	Short Front Side Rails for PT# xxS - (A/S)	4	12-1.75mm x 37mm Washer Nuts
1	Driver/Left Rear Side Rail - (B)	8	12-1.75mm x 100mm Hex Bolts
1	Passenger/Right Rear Side Rail - (C)	4	12-1.75mm x 80mm Hex Bolts (C-Clamps)
1	Rear Cross Bar - (D)	6	12-1.75mm x 70mm Hex Bolts
1	Center Cross Bar - (E)	4	12-1.75mm x 35mm Hex Bolts
1	Front Cross Bar - (F)	8	12mm Rectangular Washers (45mm x 35mm x 4mm)
1	Cab Hoop - (G)	4	12mm ID x 44mm OD x 43mm Fender Washers
2	Rear Uprights - (H)	4	12mm x 37mm OD x 3mm Flat Washer
1	Driver/Left Front Upright - (I)	36	12mm ID x 24mm OD x 2.5mm Flat Washers
1	Passenger/Right Rear Upright - (J)	2	12mm Lock Washers
4	Connecting Plates - (K)	4	12mm Hex Nuts
2	Mounting Base-with foam padding (Driver Rear - Passenger Front) - (L)	26	12mm Nylon Lock Nuts
2	Mounting Base-with foam padding (Driver Front - Passenger Rear) - (M)	12	10-1.5mm x 25mm Hex Bolts (option-bolt down)
2	Offset "L" Bolts with Right Hand Bend	24	10mm x 20mm OD x 2mm Flat Washers (option-bolt down)
2	Offset "L" Bolts with Left Hand Bend	12	10mm Nylon Lock Nuts (option-bolt down)
2	"L" Bolts (Straight)	8	8-1.25mm x 20mm Carriage Bolts
4	"C" Clamps-Long Reach (Ford Super Duty & GM)	24	8mm ID x 24mm OD x 2mm Flat Washers
4	"C" Clamps-Short Reach (Ford F-150 & Toyota)	12	8mm Nylon Lock Nuts



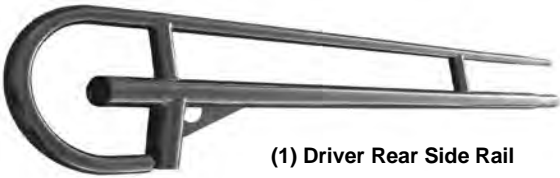
Both Front Side Rails pictured for reference only. Actual Side Rail length depends on part number requested



(2) Long Front Side Rails



(2) Short Front Side Rails



(1) Driver Rear Side Rail



(4) Connecting Plates



(1) Passenger Rear Side Rail



(1) Front Cross Bar



(1) Center Cross Bar



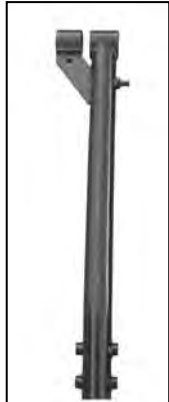
(1) Rear Cross Bar



(1) Front Cab Hoop



(2) Rear Uprights



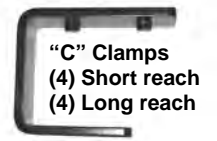
(1) Driver Side Front Upright



(1) Passenger Side Front Upright



(2) Mounting Base (Driver Rear same as Passenger Front)



"C" Clamps  
(4) Short reach  
(4) Long reach



(2) Mounting Base (Passenger Rear same as Driver Front)



(4) Bed Protector Plates for "C" Clamps



(4) Offset 12mm "L" Bolts (2 each) (pictured with 12mm x 37mm Washer Nut)



(2) 12mm "L" Bolts (pictured with 12mm x 37mm Washer Nut)



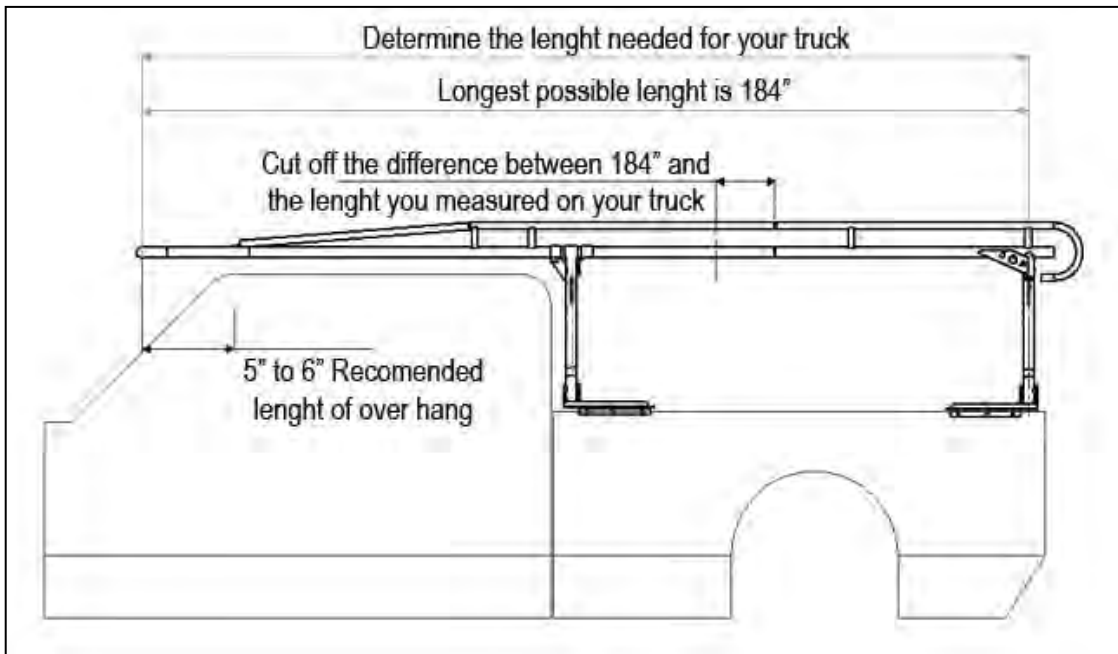
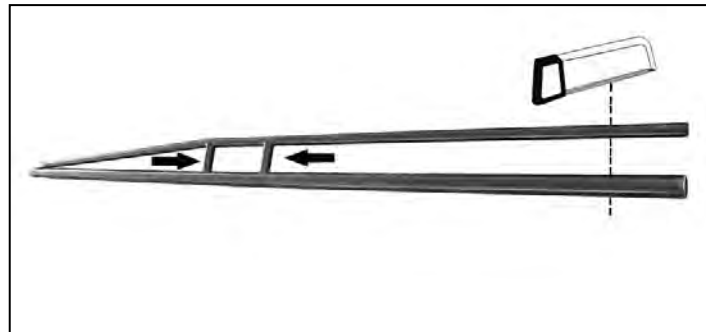
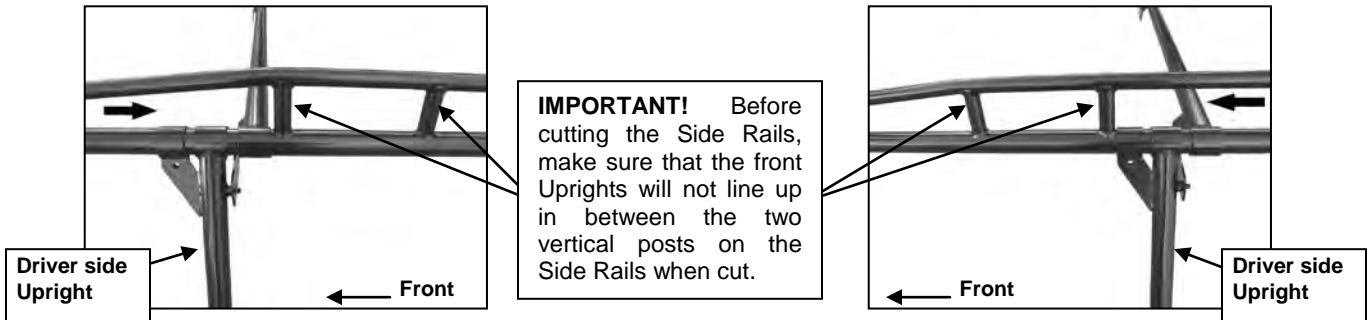
(4) 12mm x 44mm OD x 4mm Fender Washers



(8) Rectangular Washers

**NOTE for kit PT# xxL:** In order to properly assemble the Rack, you first need to determine if the Rack will be installed on a long or short bed truck. Depending on the length of your truck's bed you will either install the front legs in front (short bed) of the support bar or in back (long bed) of the support bar.

**Front Side Rail is designed so that the Uprights can be slid on from the front or the rear**

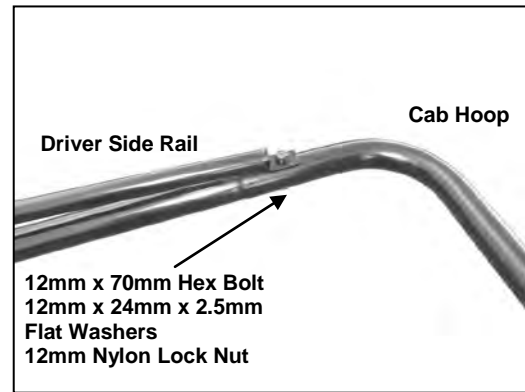


**IMPORTANT!** Remove contents from box and verify all parts are present. Lay out all parts on a clean working area before starting the installation. Do not tighten any hardware until the Rack is fully assembled and placed on top of the vehicle.

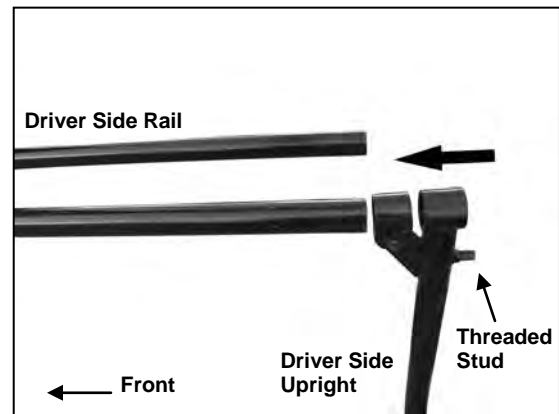
## PROCEDURE:

### Crew Cab with Short Bed Installation Pictured

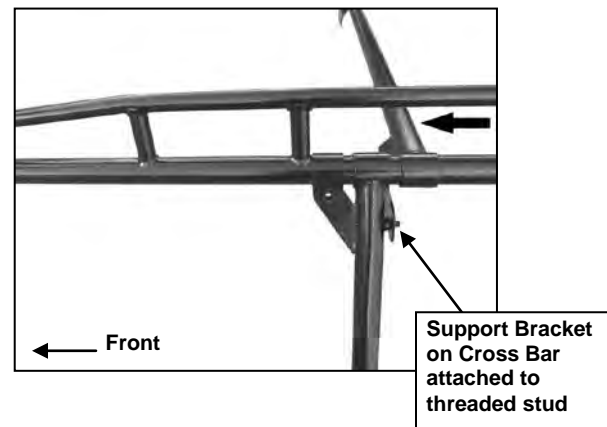
1. Place the front Side Rails on a clean working surface and attach them to the Cab Hoop using the included (2) 12mm x 70mm Hex Head Bolts, (4) 12mm x 24mm OD x 2.5mm Flat Washers and (2) 12mm Nylon Lock Nuts.



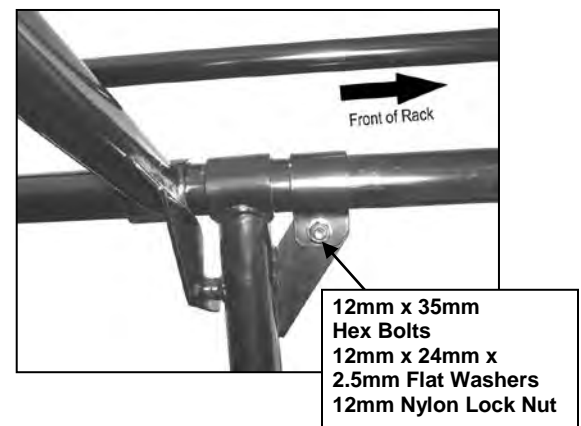
2. Slide both of the Front Uprights onto the back of the Front Side Rails. **NOTE:** The threaded stud on the front Uprights should be facing the rear of the rack.



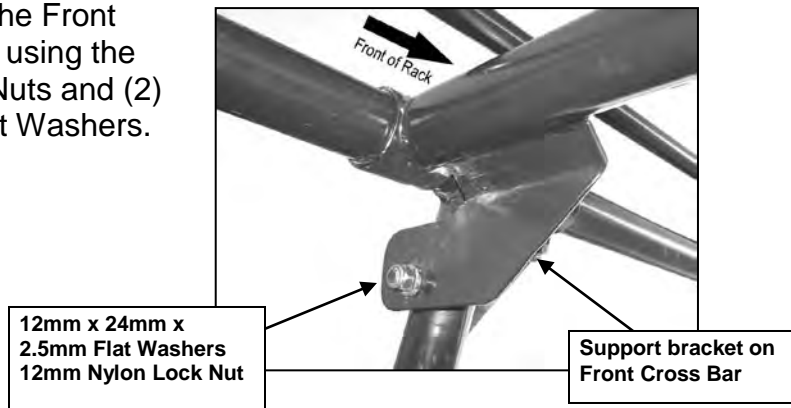
3. With support brackets facing the front of the rack, slide the Front Cross Bar over the Front Side Rails. Position support brackets over threaded studs. Do not tighten hardware at this time.



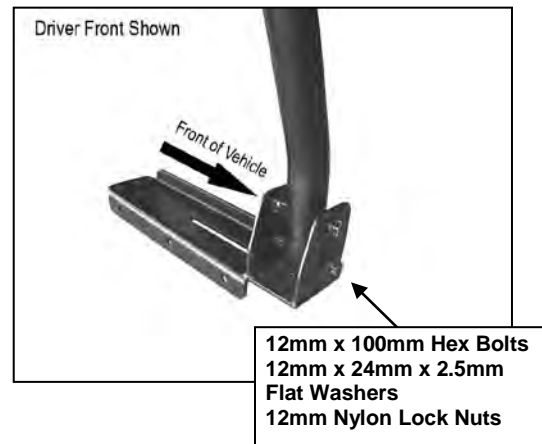
4. Secure the clamps on the front Uprights using the included (2) 12mm x 35mm Hex Bolts, (4) 12mm x 24mm OD x 2.5mm Flat Washers and (2) 12mm Nylon Lock Nuts.



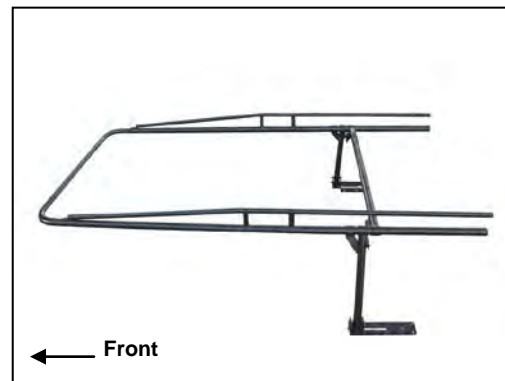
5. Attach the support brackets on the Front Cross Bar to the threaded studs using the included (2) 12mm Nylon Lock Nuts and (2) 12mm x 24mm OD x 2.5mm Flat Washers. Driver side pictured.



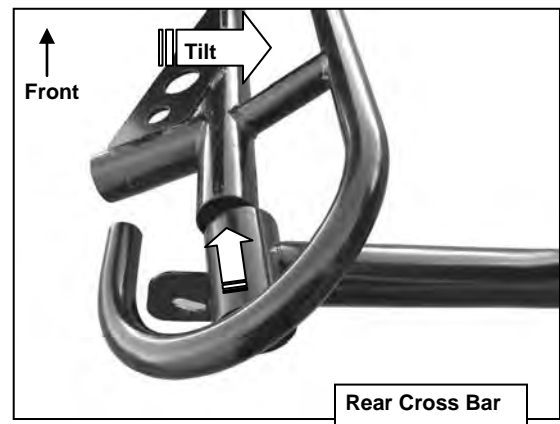
6. Locate the driver and passenger front Mounting Bases and attach them to the Front Uprights using the included (4) 12mm x 100mm Hex Bolts, (8) 12mm x 24mm OD x 2.5mm Flat Washers and (4) 12mm Nylon Lock Nuts. **NOTE:** Driver Front Mounting Base is the same as the passenger side rear; likewise, the passenger side Front Mounting Base is the same as driver side rear.



7. Before proceeding to the rear assembly, the front assembly should look like the illustration to the right.

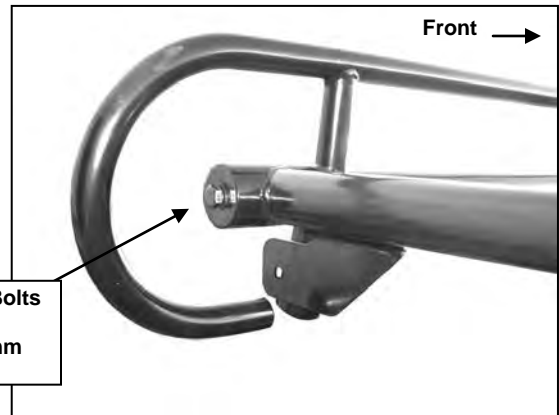


8. **NOTE:** To determine passenger and driver Rear Side Rails, the bottom mounting leg on each Side Rail should curve to the outside of the Rack. Starting on the driver side, tilt the Rear Side Rail towards the inside of the Rack and then slide the Rear Cross Bar onto it. Repeat this step for passenger side.

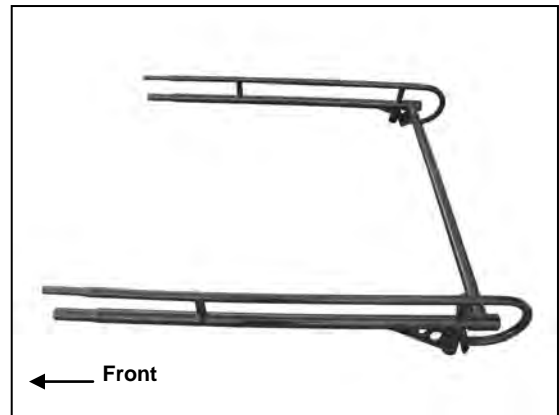


9. Secure the Rear Cross Bar to the end of the Side Rail using the included (2) 12mm x 35mm Hex Bolts, (2) 12mm Lock Washers and (2) 12mm x 24mm OD x 2.5mm Flat Washers. Do not tighten hardware at this time.

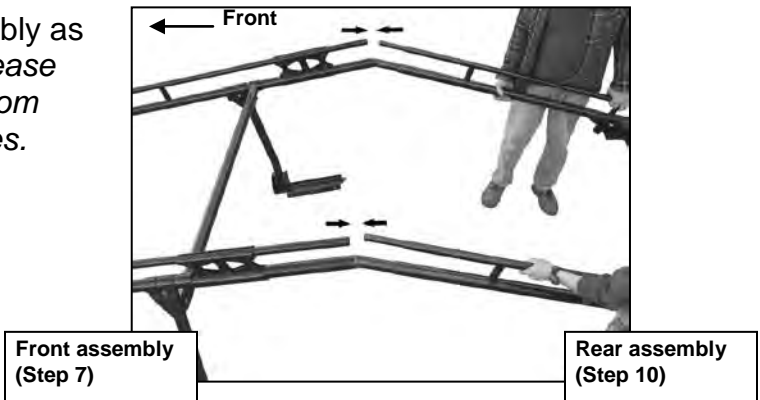
12mm x 35 mm Hex Bolts  
12mm Lock Washer  
12mm x 24mm x 2.5mm Flat Washers



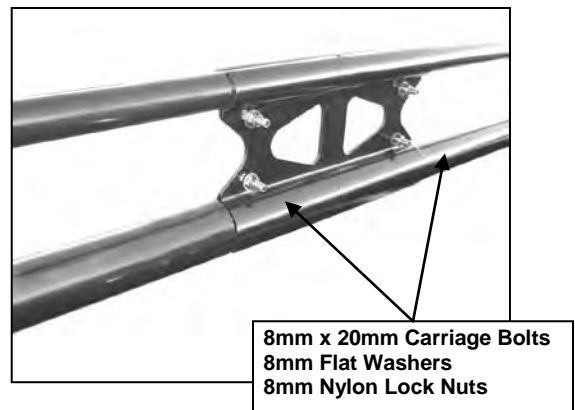
10. Before proceeding to the next step, the assembly should look like the illustration to the right



11. Slide the rear assembly into front assembly as shown in figure on the right. **NOTE:** To ease the installation, start connecting the bottom tubes first, and then align the upper tubes.



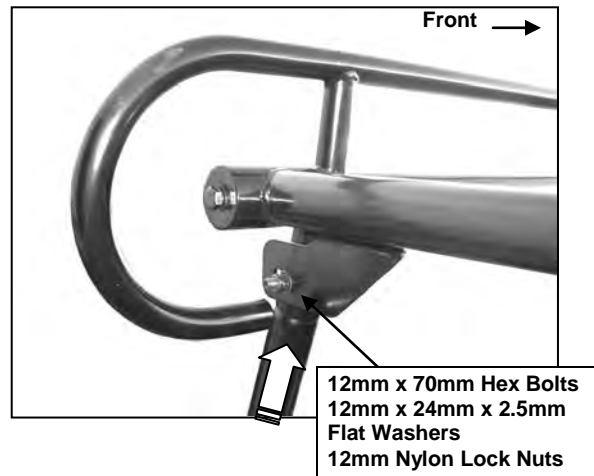
12. Secure the Side Rails together by placing one of the Connecting Plates on each side of the connected Side Rails. Attach Connecting Plates together by using the included (8) 8mm x 20mm Carriage Bolts, (8) 8mm x 24mm OD x 2mm Flat Washers and (8) 8mm Nylon Lock Nuts.



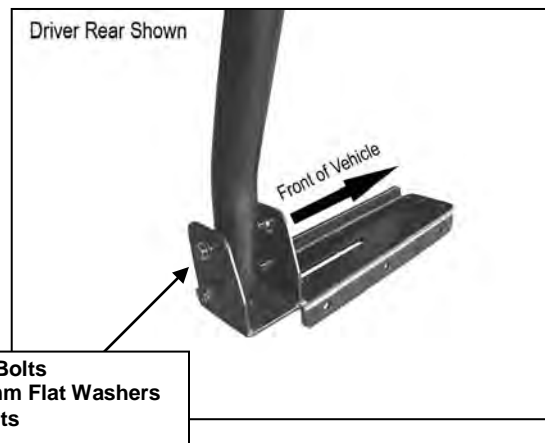
8mm x 20mm Carriage Bolts  
8mm Flat Washers  
8mm Nylon Lock Nuts



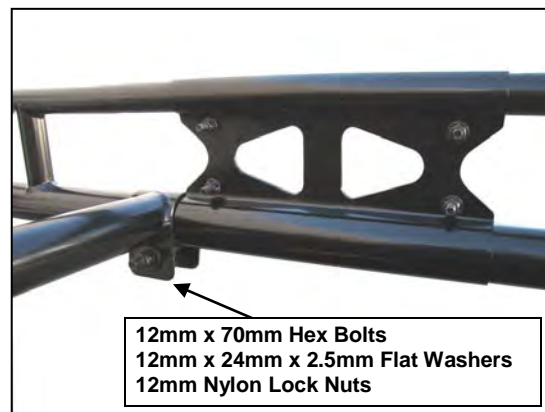
13. Slide the Rear Upright into the Rear Side Rail. Insert the included (1) 12mm x 70mm Hex Bolt and (1) 12mm x 24mm OD x 2.5mm Flat Washer through the Rear Upright, the support bracket on the Cross Bar and Rear Side Rail. Secure with (1) 12mm x 24mm OD x 2.5mm Flat Washer and (1) 12mm Nylon Lock Nut. **NOTE:** The top of the Rear Uprights should tilt towards the inside of the vehicle when properly assembled.



14. Locate the driver and passenger Rear Mounting Bases and attach them to the Rear Uprights using the included (4) 12mm x 100mm Hex Bolts, (8) 12mm x 24mm OD x 2.5mm Flat Washers and (4) 12mm Nylon Lock Nuts. **NOTE:** Driver Rear Mounting Base is the same as passenger front; likewise, passenger Rear Mounting Base is the same as driver front.



15. Attach the clamp-on Center Cross Bar to the bottom tube of the Side Rails. Use the included (2) 12mm x 70mm Hex Bolts, (4) 12mm x 24mm OD x 2.5mm Flat Washers and (2) 12mm Nylon Lock Nuts to secure the Cross Bar to the Side Rails. Do not tighten hardware at this time.



**NOTE:** The size of the openings in the inner bed wall may vary. For the small openings, use the round Fender Washers and for the oversized openings, use the larger Rectangular Washers.

Also, there are different designs of "L" Bolts, (offset and straight), included in the hardware kit to fit multiple applications. Select the "L" Bolt that best fits your application. Thread (1) 12mm x 37mm Washer Nut onto the "L" Bolt with the Washer side facing the inside wall on the stake pocket. If required, (for larger openings) place (1) Rectangular Washer against the Washer Nut between the Washer Nut and the inside wall on the stake pocket. See examples in Step 16.

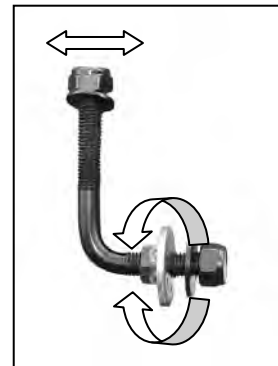
16. With the bend towards the inside of the vehicle, insert one of the "L" Bolts through the stake pocket and out through opening in the side of the stake pocket. Secure it using either (1) 12mm x 44mm OD x 4mm Fender Washer or (1) Rectangular Washer and (1) 12mm Nylock Nut. Repeat this step for the other three stake pockets. **NOTE:** Refer to figures below for "L" Bolt configuration.



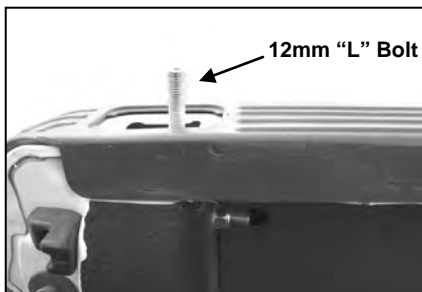
"L" Bolt with 12mm x 37mm Washer Nut



Offset "L" Bolts with 12mm x 37mm Washer Nut

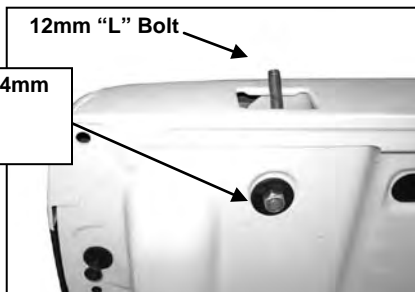


Thread the Washer Nut in or out on the "L" Bolt to center the Bolt in the stake pocket

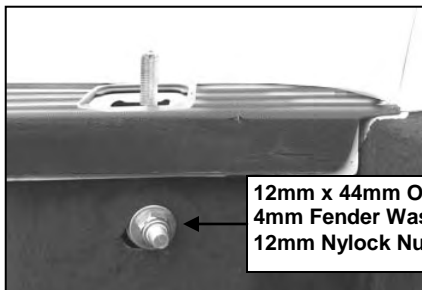


Front facing stake pocket opening with Fender Washer pictured

12mm x 44mm OD x 4mm Fender Washer  
12mm Nylock Nut

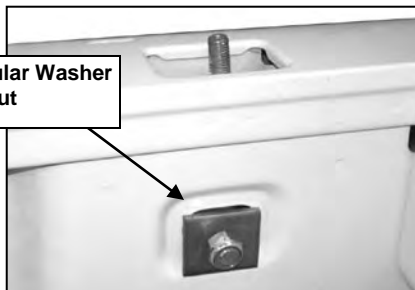


Inside facing stake pocket with indented opening and Fender Washer pictured



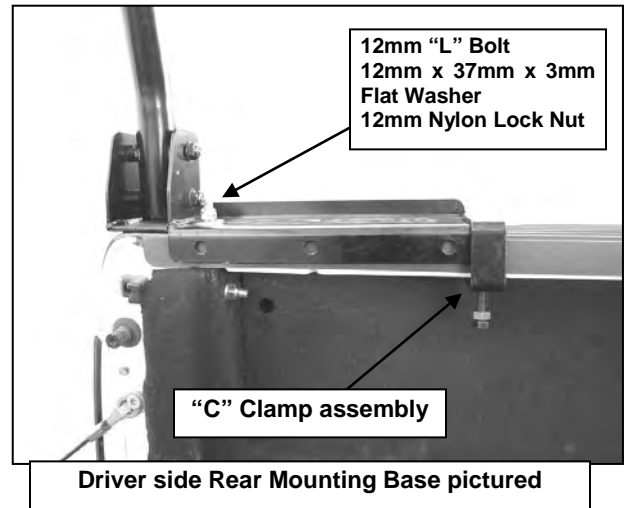
Inside facing stake pocket opening with Fender Washer pictured

12mm Rectangular Washer  
12mm Nylock Nut

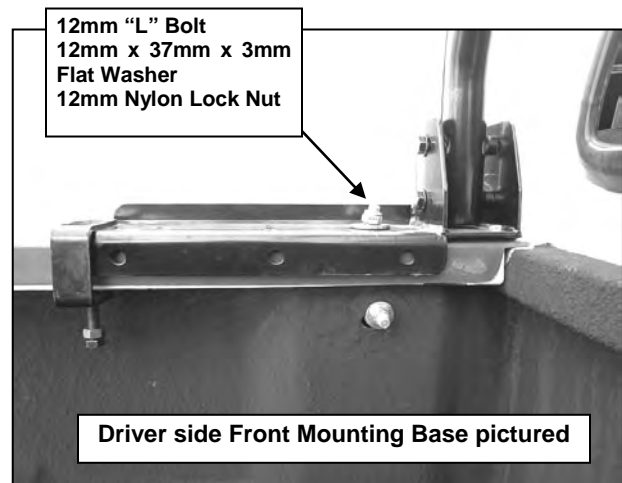
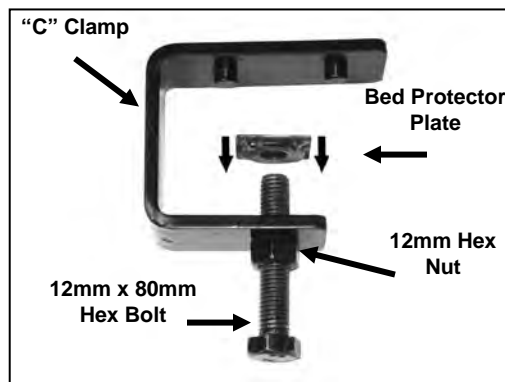


Inside facing stake pocket with large indented opening and Rectangular Washer pictured

17. With help, position the fully assembled Construction Rack over the bed rails and previously inserted "L" Bolts. **NOTE:** Make sure that the "L" Bolts go through the slots in the Mounting Bases. Line up the Rear Mounting Bases to the rear stake pockets first, then move to the front. Attach the Mounting Bases to the "L" Bolts using the included (4) 12mm x 37mm OD x 3mm Flat Washers and (4) 12mm Nylon Lock Nuts. **IMPORTANT!** Close the tailgate slowly to make sure that the Rear Mounting Bases do not interfere with tailgate operation. Fully tighten Mounting Bases only to "L" Bolts at this time.



18. Assemble the "C" Clamps as shown below. Position the "C" Clamp over the Mounting Base and align the two posts on the "C" Clamp with the two holes in the Mounting Base, then proceed to tighten the bolt. **NOTE:** Hold the Bed Protector Plate in place as you tighten the bolt. Repeat this step for remaining "C" Clamp installations.



19. Align the Construction Rack properly side to side and tighten all hardware at this time.

20. Do periodic inspections to the installation to make sure that all hardware is secure and tight.

**NOTE:** For permanent installation of the Construction Rack, do not use the "C" Clamps. Instead, use the holes for the "C" Clamp mounting locations as templates to mark and drill the truck bed rail. Use the included (12) 10mm x 25mm Hex Bolts, (24) 10mm x 20mm x 2mm Flat Washers and (12) 10mm Nylon Lock Nuts to mount all four Mounting Bases to the vehicle.

**To protect your investment,** wax this product after installing. Regular waxing is recommended to add a protective layer over the finish. Do not use any type of polish or wax that may contain abrasives that could damage the finish.