



Contractor Ladder Rack-1000Lb FCLR002B



Fit: Universal (Long and Short Bed)



TO AVOID BEING SCRATCHED, PLEASE PROTECT THE SURFACE OF THE FENDER FLARE CAREFULLY.



REMOVE CONTENTS FROM BOX. VERIFY ALL PARTS ARE PRESENT.



READ INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION.



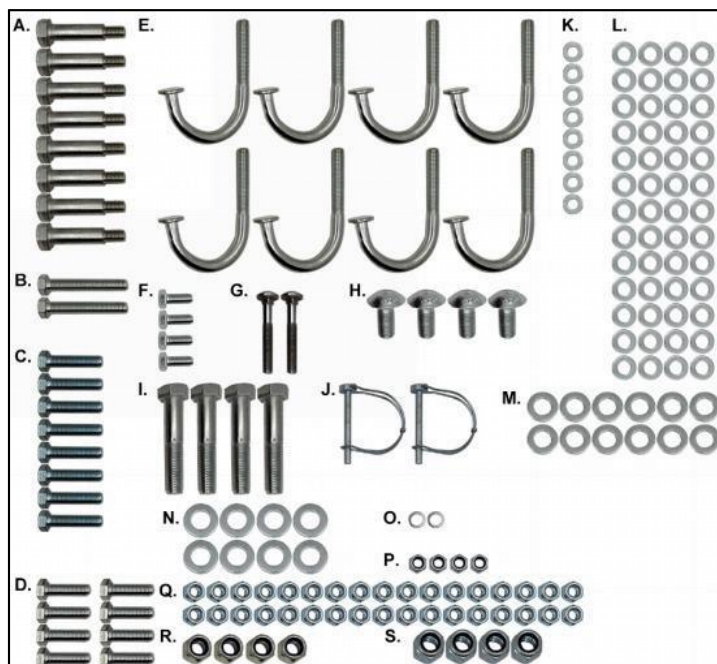
PLEASE USE SAFETY GLASSES & ENSURE TO BLOCK VEHICLE MOVEMENT DURING INSTALLATION PROCESS

Hardware Parts List		
SI.NO	Part Description	Qty
A	M12x70 Heterogeneous Hex Bolts	8
B	M12x75 Hexagon Bolts	2
C	M12x50 Hexagon Bolts	8
D	M12x40 Hexagon Bolts	8
E	M12x100 "J" Hooks	8
F	M12x25 Hexagon Bolts	4
G	M10x70 Carriage Bolts	2
H	M16x35 Carriage Bolts	4
I	M18x90 Hexagon Bolts	4
J	Dia6.3 Quick Disconnect Pins	2

Hardware Parts List		
SI.NO	Part Description	Qty
K	Dia10 Flat Washers	8
L	Dia12 Flat Washers	52
M	Dia16 Flat Washers	12
N	Dia18 Flat Washers	8
O	Dia10 Spring Washers	2
P	M10 Lock Nuts	4
Q	M12 Lock Nuts	34
R	M16 Lock Nuts	4
S	M18 Lock Nuts	4

Tools Required

Socket Wrench Set	Rubber Mallet
Adjustable Wrench	Drill and 5/16" Bit (for permanent installation)



IMPORTANT SAFETY INSTRUCTIONS

1. Do not load any cargo on the Rack with the rear crossbar removed.
2. The Rack is rated for 800 lb limit. Do not overload the Rack.
3. Always balance the load.
4. After the Rack is fully assembled make sure all nuts and bolts are properly tightened.
5. Periodically check for loose or missing bolts, nuts, etc.

WARNING:

The Contractors Rack requires careful step by step assembly. Please follow the instructions below to ensure proper assembly and installation. Failure to properly assemble and/or install the Contractors Rack may result in severe or fatal personal injury or property damage. We are not responsible for injury or damage caused by improper installation or use.

BEFORE YOU BEGIN

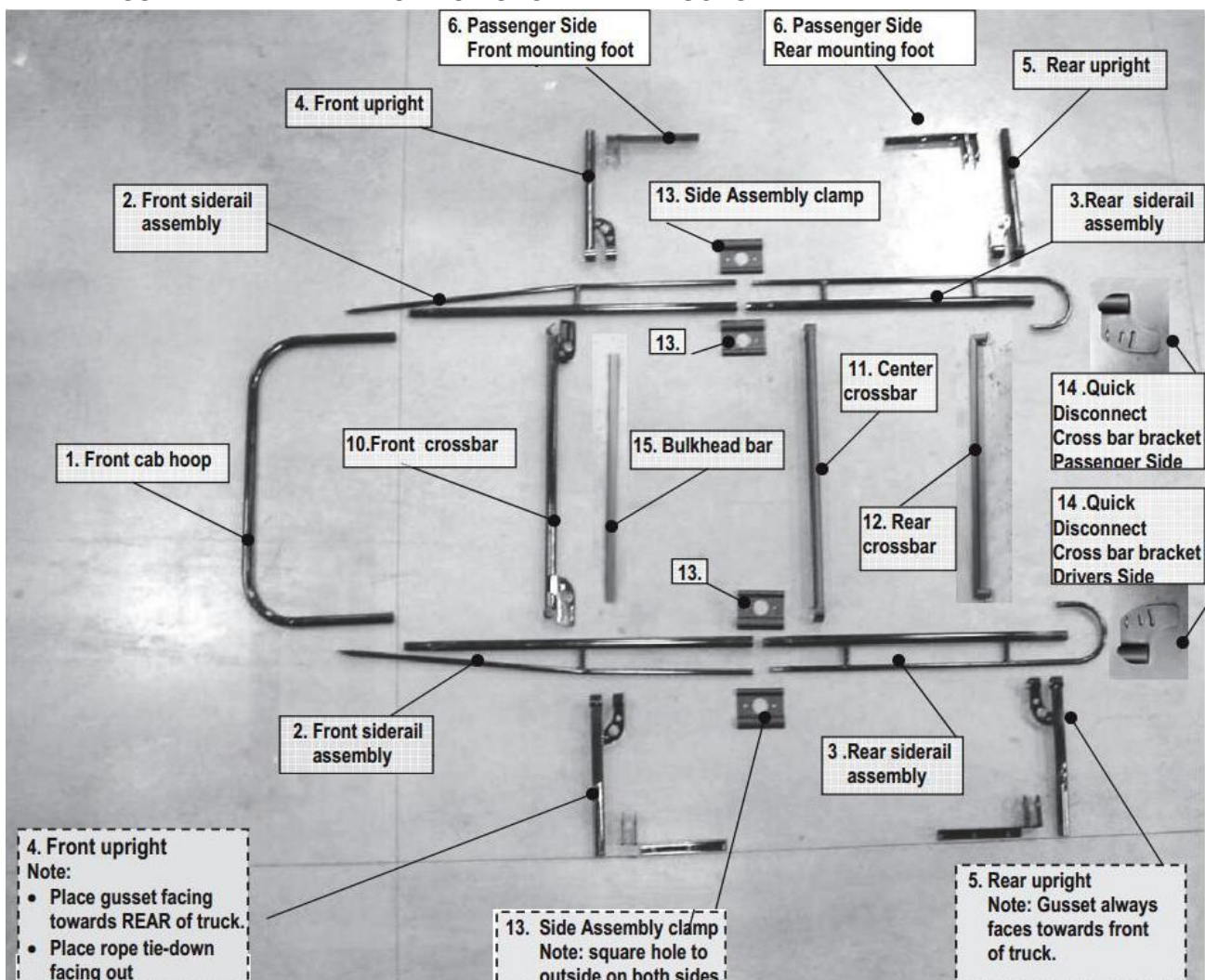
There are 20 pieces that makeup the Truck Tools Contractors Rack (excluding hardware). Below are two layouts which show the correct placement of these pieces for both short bed and long bed trucks installations. The placement is very different depending on which size bed the rack will be installed on. Please turn to the page which corresponds to your size truck bed and lay out the components as shown.

Note: If these components are not correctly positioned it will become necessary to disassemble the Rack and start over again.

COMPONENTS INCLUDED:

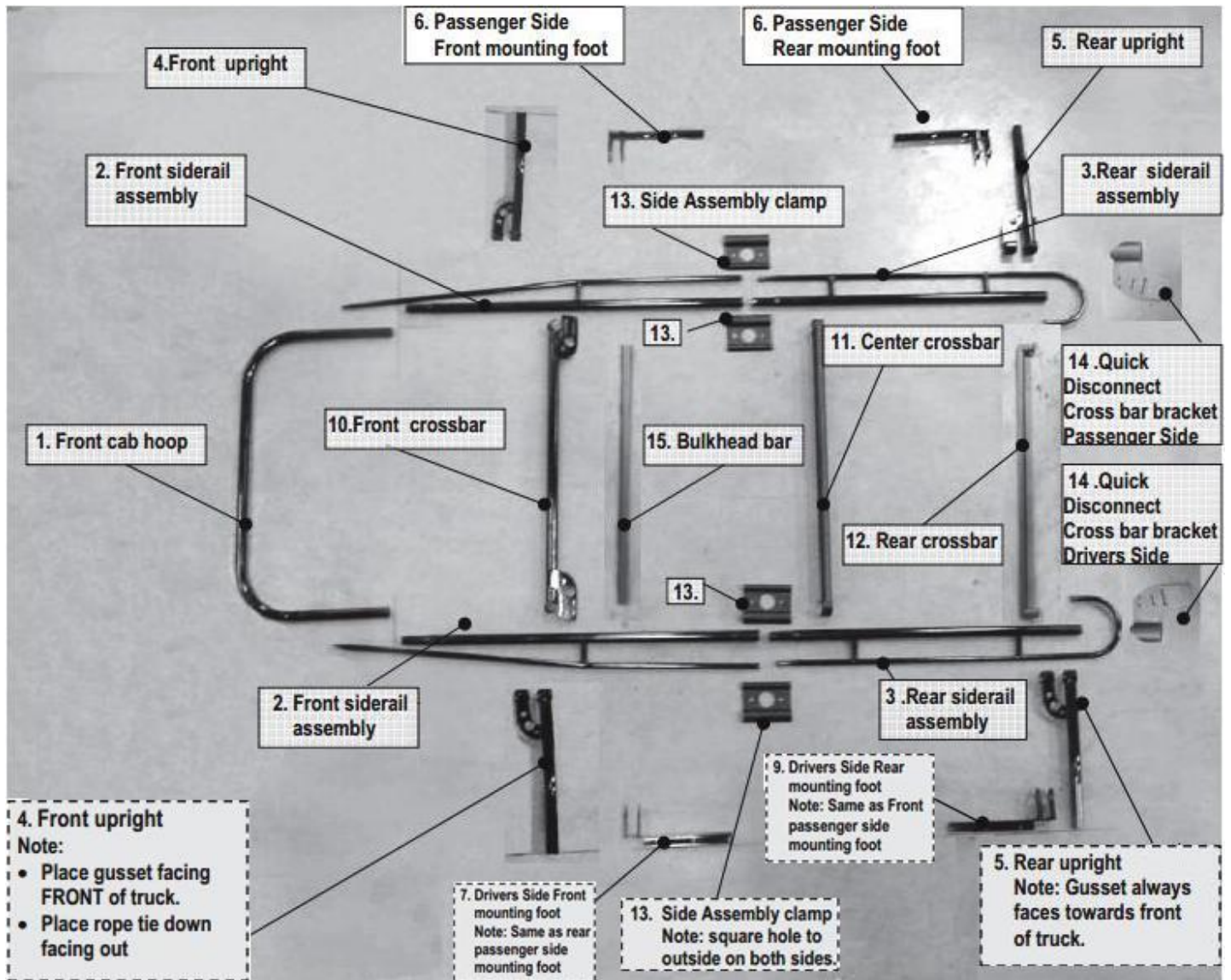
Arrange the components on a large work area as shown below. Several components have been highlighted by a dotted line box. **Please pay special attention to the highlighted components as these are critical to the assembly process.** If these components are not correctly positioned it will become necessary to disassemble the rack and start over again.

PRE-ASSEMBLY PREPARATION FOR SHORT BED TRUCKS



IMPORTANT NOTE: Rear Cross Bar and Quick Disconnect Cross Bar Bracket are NOT shown in layout above.

PRE-ASSEMBLY PREPARATION FOR LONG BED TRUCKS



Hardware Parts List		
SI.NO	Part Description	Qty
1	Front hoop	1
2	Front side rail assemblies	2
3	Rear side rail assemblies	2
4	Front uprights passenger and drivers side	2
5	Rear uprights passenger and drivers side	2
6	Passenger side Front mounting foot	1
7	Drivers side Front mounting foot	1
8	Passenger side Rear mounting foot	1

Hardware Parts List		
SI.NO	Part Description	Qty
9	Drivers side Rear mounting foot	1
10	Front Cross bar	1
11	Center Cross bar	1
12	Rear Cross bar	1
13	Side clamps – 2 with square holes. 2 with round holes	4
14	Quick Disconnect Rear Cross Bar Bracket	2
15	Front Bulkhead bar	1

COMPONENT NOTES

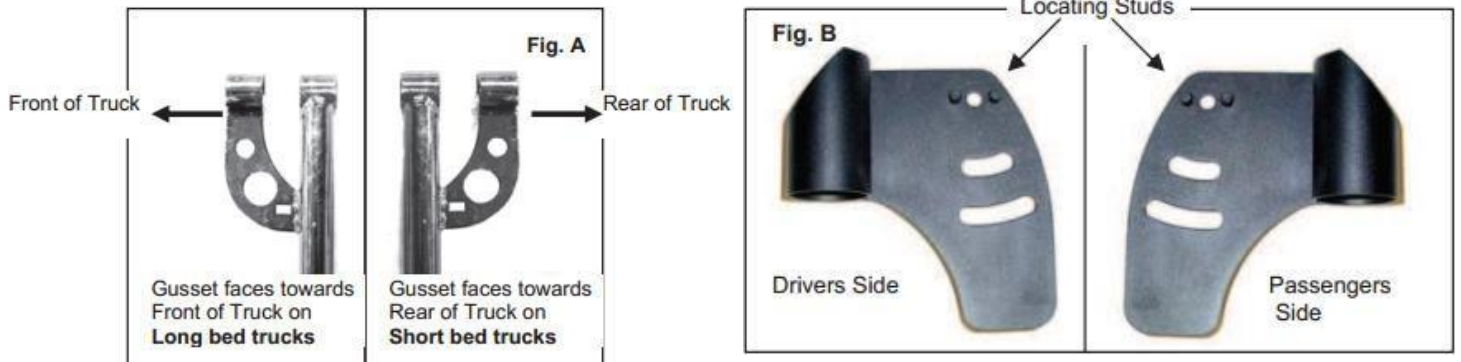
Do a final check of the component layout after reading the notes below.

Front Uprights (Fig. A)

Pay special attention to the 4 uprights. The clamps must face the inside (bed side) of the rack. The gussets face towards the rear of the truck for short bed installations and towards the front of the truck for long bed truck installations.

Rear Uprights (Fig. B)

Quick Disconnect Cross Bar Bracket. Two locating Studs line up with two holes in back of rear siderail assembly.



Mounting Feet (Fig. C & Fig. D)

The front driver and passenger side have a tab and support bar attachment for the bulkhead bar to slide over and install. The rear driver and passenger side have no support bar.

Side rail Clamps (Fig. E)

The Side clamps that the side rail assembly have 2 square holes and 2 round holes. The square holes, when installed, face the outside of the rack.



Front Cross bar detail

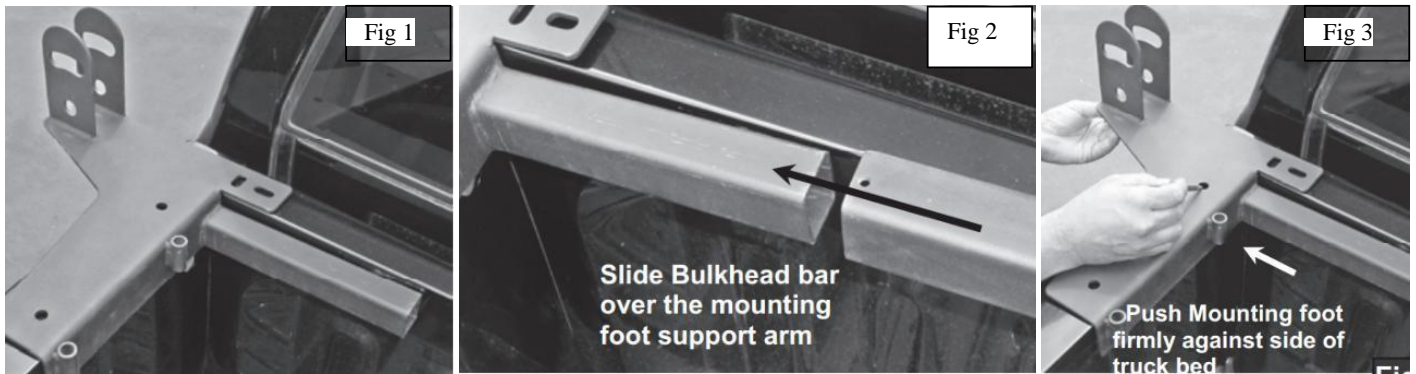
Center Cross bar detail

Rear Cross bar detail

STEP 1: FRONT MOUNTING FOOT AND BULKHEAD BAR PRE-ASSEMBLY

Once you are satisfied that your layout is correct you can begin the assembly process.

1. Locate the driver side front mounting foot and position on the truck bed rail (Fig 1). Repeat step 1) for the passenger side.
2. Locate the front bulk-head bar and slide it over the support arm welded on the mounting foot (Fig 2). Repeat step 2) for the other side of the bulkhead bar.
3. Push the mounting foot firmly against the side rail of the truck bed and mark the position of the mounting holes on the truck rail (Fig 3). Repeat step 3) for the other side mounting foot.

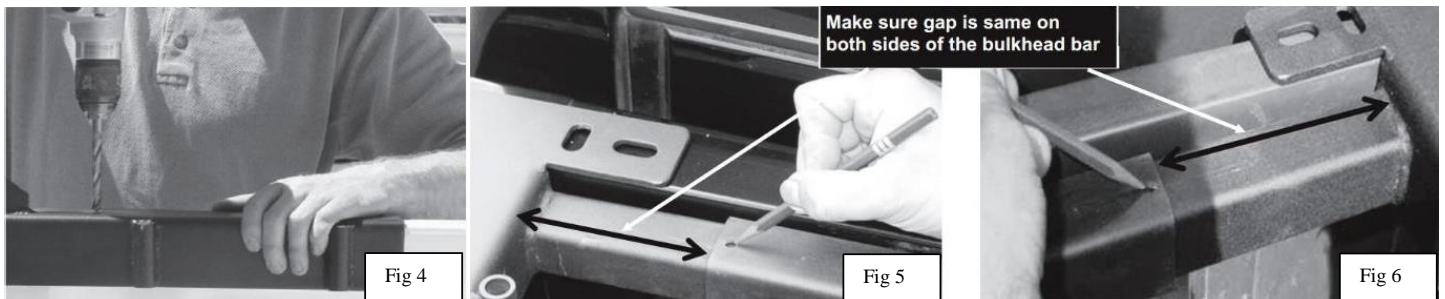


4. Using a 5/16" drill bit drill the truck bed rail in the position marked above. (Fig 4)

NOTE: Before drilling your vehicle's bed rail check to see if you can drill a clear hole from the top of the bed rail to the underside. You will need a minimum of 2 bolts to attach each mounting foot to the vehicle. If you do not have 2 clear holes, realign the spacing of the uprights on the bed rails until you do. It may be necessary to drill a new hole in the mounting foot in order to complete the installation.

5. Secure the mounting foot with 1ea. M10 x 25 bolt and nut. (do not use washers at this time) **DO NOT TIGHTEN NUTS.** Repeat step 4) and 5) for the other side mounting foot.
6. Measure the gap between the bulkhead bar and the mounting foot and make sure the gap is the same for both the passenger and driver side mounting foot. (Fig 5 & Fig 6)

Note: On some model trucks it may be necessary to modify the bulkhead bar by cutting the length.



7. Mark the position of the bulkhead bar mounting hole on the support arm and drill a hole through the support arm. Repeat step 7) for the other side.
8. Attach the bulkhead bar to the support arm on both passenger and driver side mounting foot with the 2 ea. 5/16" x 2 1/2" bolts, lock nuts, and washers provided. Once the bulkhead bar has been properly sized and attached to the pass and drivers mounting foot proceed to remove the assembled bulkhead bar from the truck and set this assembly aside for later use. Continue with the rack assembly.

STEP 2: REAR COMPONENT ASSEMBLY

In order to properly assemble the rack you will first need to determine if the rack will be installed on a long bed or short bed truck. Refer to layout above

1. Starting with the Drivers Side, slide the Rear drivers side uprights onto the Rear side rail assembly (Fig 7).
2. Locate the Drivers side.
Quick Disconnect Cross bar bracket and line up the locating studs on the bracket with the holes on the back of the Rear Side rail. (Fig 8)
Push the Quick Disconnect Cross bar bracket into the holes in the Rear side rail and attach the plate to the rail using the supplied M 10 x 25 mm hex head bolt and split washer. Attach the Siderail grab handle to the tab on the Quick Disconnect Mounting plate using the supplied M10 x 25 mm hex head bolt (2) washers and lock nut. (Fig 9)

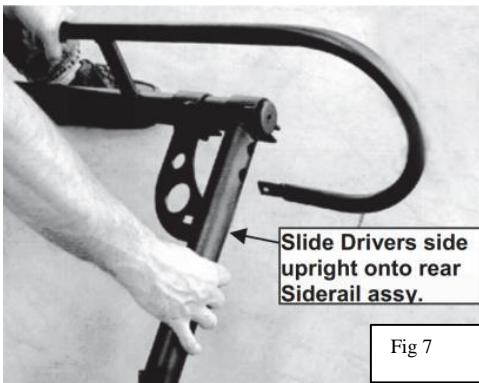


Fig 7

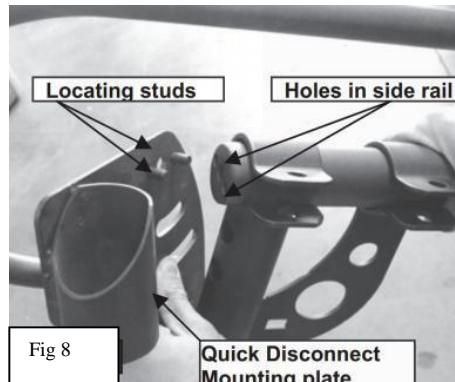


Fig 8

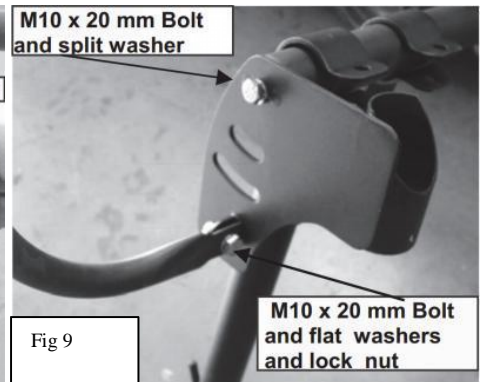


Fig 9

Note: Proceed to fully tighten the bolts in Fig 8.

Do not tighten any other bolts until directed to do so.

3. Attach the Rear Upright to the Quick Disconnect Mounting plate using (2) M16 x 70mm (1) M12 and (1) M 16 flat washers and (2) lock nuts. (Fig 10)

Repeat steps 1) through 3) for the opposite side.

4. Attach Rear Cross Bar to Quick Disconnect Cross bar brackets using the supplied Quick Disconnect pins. (Fig 11) Repeat step 4) for opposite side.

NOTE: Do Not Tighten Any Bolts at this time.

5. Install the rear drivers side mounting foot to the bottom of the rear drivers side upright. Bolt the upright to the mounting foot using 2 # 18 x 100 mm bolts, flat washers, spring washers and locknuts. (Fig 12)

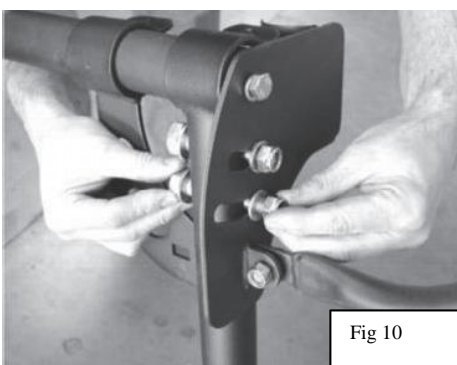


Fig 10

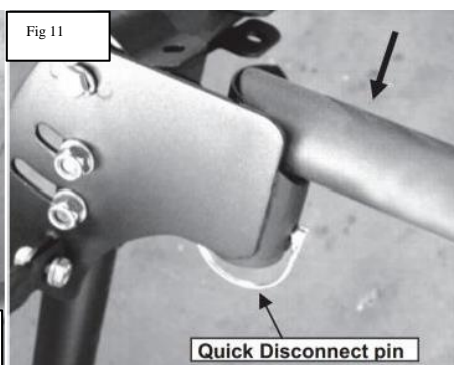


Fig 11

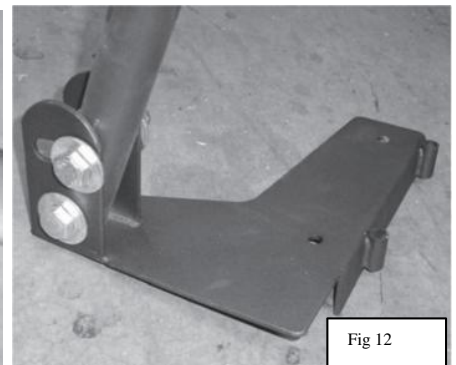


Fig 12

DO NOT TIGHTEN NUTS

Note: The lip of the foot must face towards the inside of the truck bed.

Repeat step 5) for the rear passenger's side mounting foot. (Fig 13)

6. Install 2 #12 x 45mm bolts with flat washers, spring washers and locknuts into the top clamp portion of the rear upright (Fig 14). Repeat for the other side. **Do Not Tighten**

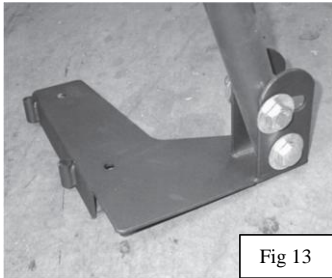


Fig 13

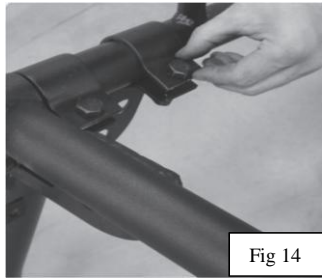


Fig 14

Important Notice: The rear portion of the rack should now be fully assembled. Only the (2)10mm bolts holding the rear crossbar, and the (2)10 mm bolts holding the grab handle should be tightened.

At this point all other bolts should be loose.

STEP 3: FRONT COMPONENT ASSEMBLY

Follow the instructions below which correspond to the truck bed size that you will be installing the rack on.

IMPORTANT NOTICE: There are two positions for the front uprights and the front cross bar, depending on whether the rack is to be installed on a short bed or long bed truck. Determine whether you have a long bed or short bed truck application and slide the components onto the siderail as outlined in this illustration. (Fig 15)



Fig 15

Short Bed Assembly

1. Slide the front cross bar onto the front side rail assembly (Fig 16). Repeat for the other side.
2. Slide the front upright on behind the front cross bar. (Fig 17)

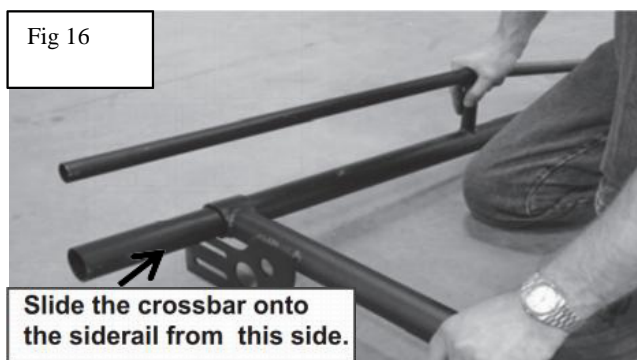


Fig 16

Slide the crossbar onto the siderail from this side.

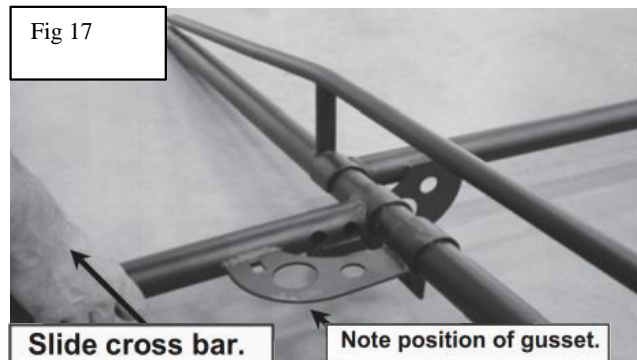


Fig 17

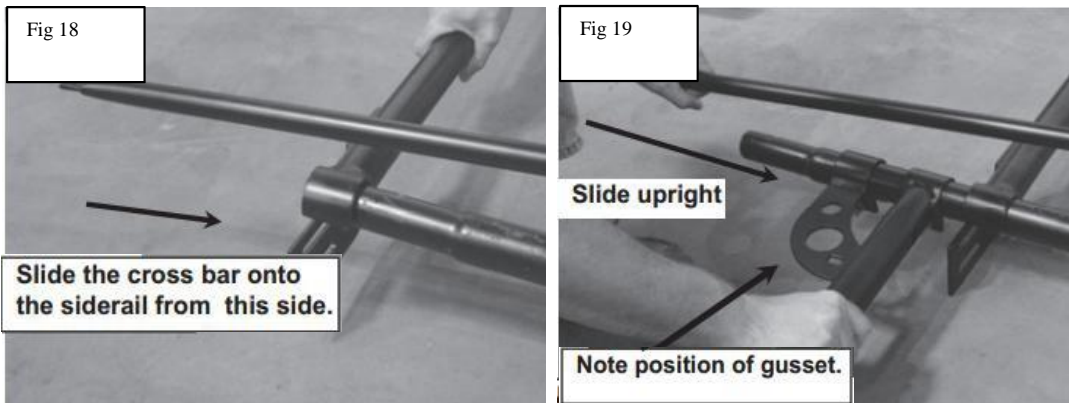
Slide cross bar.

Note position of gusset.

Repeat step 1) and 2) for the other side

Long Bed Assembly

1. Slide the front cross bar onto the front side rail assembly. (Fig 18)
2. Slide the front upright on behind the front cross bar. (Fig 19)
Repeat step 1) and 2) for the other side

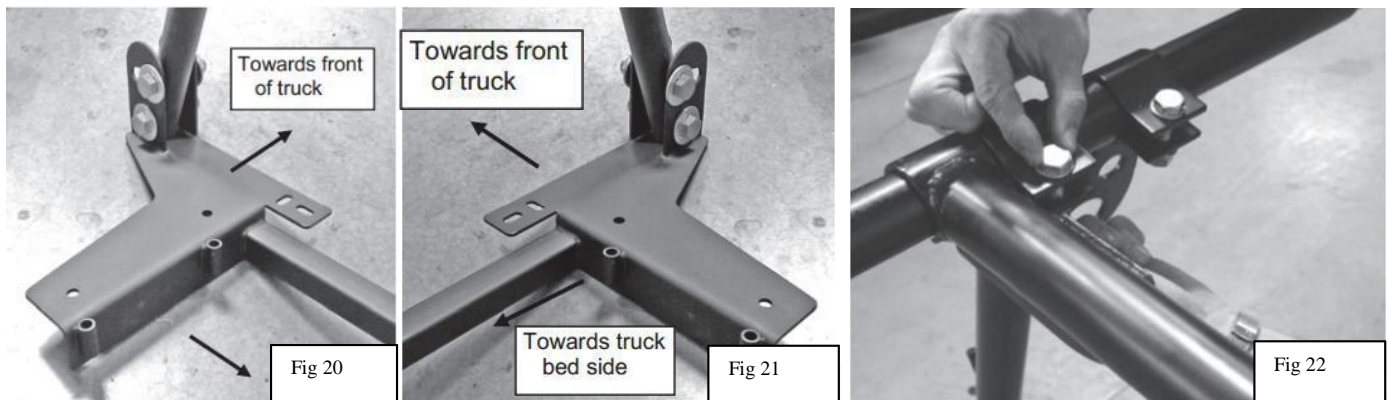


3. Using the mounting foot and bulkhead bar pre-assembled In STEP 1. Install the front drivers side mounting foot to the bottom of the front drivers side upright. Bolt the upright to the mounting foot using the 2 #18 x 100 mm bolts, with flat washers, spring washers and locknuts. (Fig 20)

Repeat step 3) for the front passengers side mounting foot. (Fig 21)

4. Install 2 #12 x 45 mm bolts with flat washers spring washer and locknuts into the top clamp portion of the front upright (Fig 22). Repeat for the other side.

Do not tighten nuts!



5. Install 2 #16 x 50 mm shoulder bolts through the rear upright (install between upright gusset and leg) and through the crossbar gusset slots. Attach using flat washers, spring washer and locknuts. (Fig 23)

Repeat for the other side.

Do not tighten nuts!

6. Slide the front and rear siderail assemblies together. (Fig 24)
Note: It may be necessary to tap the parts together using a rubber mallet.
7. The siderail assembly clamps are installed In pairs. One side has square holes, the other side has round holes. Place the clamp with the square hole facing the outside of the rack. Place clamp with the round holes facing the inside of the rack. Center the clamps over the joint.
Bolt the clamps together using 2 #16 x 40 mm carriage bolts with flat washers, spring washers and lock nuts. (Fig 25) Repeat for the other side.

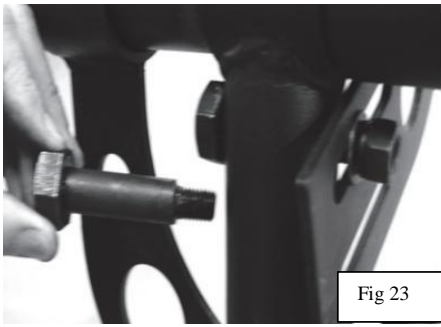


Fig 23

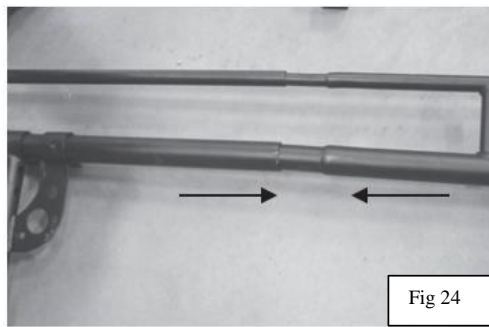


Fig 24

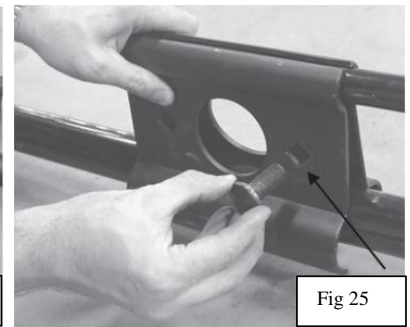


Fig 25

- Slide the front hoop onto both siderail assemblies. Bolt the front hoop to the siderail using the 1 #10 x 65 mm bolt with flat washers, split washers and lock nuts.(Fig 26 & Fig 27)

Note: It may be necessary to tap the parts together using a rubber mallet.



Fig 26

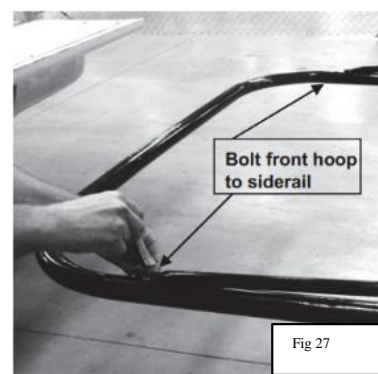


Fig 27

- The last component is the center cross bar. The center cross bar is adjustable and can be positioned anywhere along the length of the siderail. To attach the center cross bar place the “U” shaped clamp over the lower siderail bar and attach with the #12 x 75mm bolts, 2 flat washers, spring washer And lock nut. (Fig 28 & Fig 29)



Fig 28

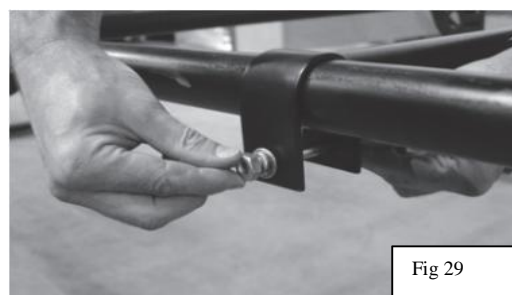


Fig 29

STEP 4: INSTALLATION

Before lifting the rack onto the truck bed you will need to size the rack.

Measure the length of your vehicle truck bed with the tailgate closed. Subtract 4 inches from the measurement. This is the approximate spacing of the uprights. Measure between the center of the uprights and move the front uprights backwards or forwards as needed. (Fig 30)

REMEMBER - DO NOT TIGHTEN ANY BOLTS AT THIS TIME

Your Rack should now be fully assembled and approximately sized for your vehicle. The next step in the installation process will require the help of 1 or 2 assistants to lift the Rack into position.

- Lift the Rack onto the bed rails of the pickup. (Fig 31)

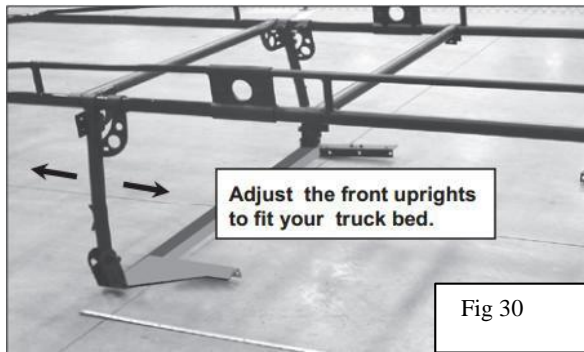


Fig 30



Fig 31

2. Set the front driver and passenger mounting feet back on the truck directly over the mounting holes drilled into the truck bedrail in STEP 1. (Fig 32)

Note: Apply a small amount of rust inhibitor (not included) to the metal surface before attaching the mounting feet to the bed rail.

3. With the holes in the mounting feet aligned with the holes in the truck bedrail attach the mounting foot to the truck bedrail with the 2 #10 x 25mm bolts, flat washers, spring washer, and lock nut. (Fig 33)
4. Position the rear mounting feet as close as possible to the corner of the bed rail.

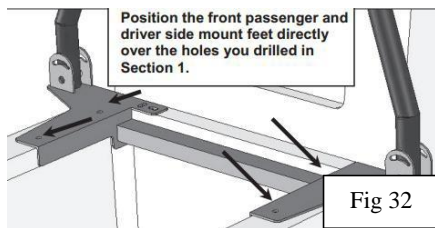


Fig 32

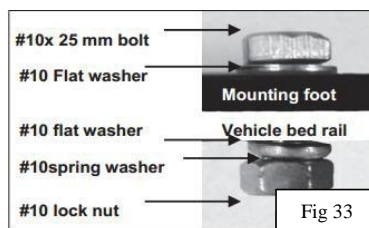


Fig 33

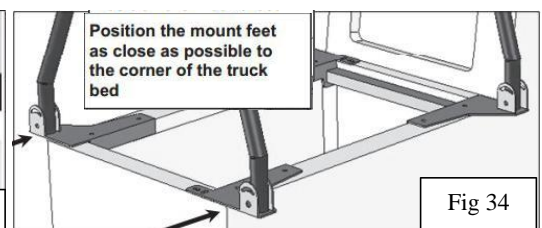


Fig 34

Note: You can slide the rack back towards the rear of the truck to get the feet correctly positioned. (Fig 34)

5. When you are satisfied with the spacing of the uprights on the bed rails, proceed to STEP 5: Final Installation.

STEP 5: FINAL INSTALLATION

1. Stand on the outside of the truck bed. Pull the rear drivers side mounting foot towards you until the lip of the mounting foot sits firmly against the edge of the truck bed. Mark the two holes on the top of the mounting foot using a felt tip marker or other suitable pen. (Fig 35)

Repeat for the passenger side mounting foot

Note: Before drilling your vehicle's bed rail check to see if you have a clear hole from the top of the bed rail to the underside. You will need a minimum of 2 bolts to attach each mounting foot to the vehicle. If you do not have 2 clear holes, realign the spacing of the uprights on the bed rails until you do.

2. Using a 5/16" drill bit drill the mounting holes in the bed rails (Fig 36). Apply a small amount of rust inhibitor (not included) to the metal surface before attaching the mounting feet to the bed rail.
3. Attach the mounting feet to the truck using the 2 #10 x 25mm bolts, flat washers, spring washer, and lock nut. (Fig 37)



Fig 35

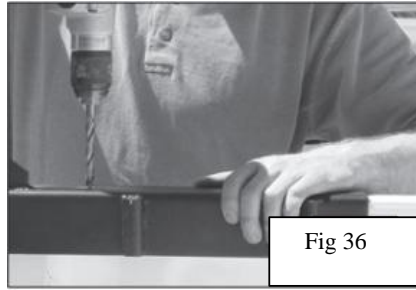


Fig 36

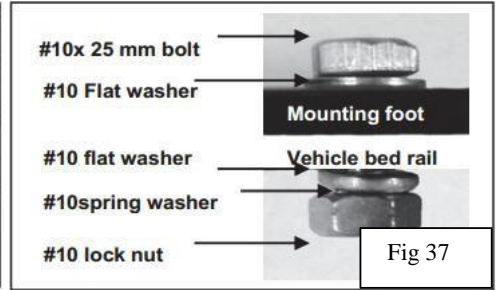


Fig 37

FINAL ALIGNMENT

Once the rack has been securely attached to the vehicle bed it can be aligned and the bolts tightened in place.

1. Proceed to the front of the vehicle and note the horizontal alignment of the front hoop in relation to the horizontal surface of the truck cab roof (Fig 38). Have an assistant push or pull the rack until the two are parallel.
2. When you are satisfied that the rack is properly aligned proceed to tighten the mounting foot to the upright bolt. (Fig 39)
3. When the 8 bolts (2 per foot) have been tightened, recheck the alignment and adjust if necessary.
4. Proceed to tighten all the bolts on the rack.
5. Determine if there is an inner lip along the bottom of your camper shell. You may need to trim or notch this ridge to avoid interference with the mounting feet or the bulkhead bar. (Fig 40)

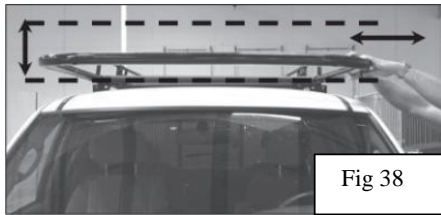


Fig 38



Fig 39

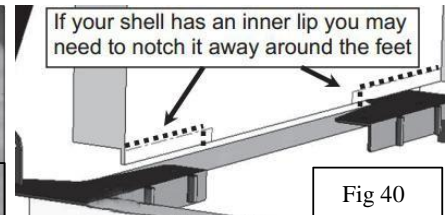


Fig 40

Once all modifications to the shell are complete apply adhesive foam tape (not supplied) along the bulkhead, on the mounting foot plate and along the top of the bedrail. Attach the camper shell to your truck using your existing hardware.



INSTALLATION COMPLETE

PRODUCT CARE

- Periodically check the product to ensure all fasteners are tight and components are intact.
- Regular waxing is recommended to protect the finish of the product.
- Use an automotive wax to maintain and protect the finish.
- Clean rack with soft cloth and mild soap to keep the powder coat finish in good condition.
- Mild soap may be used to clean the product for both Stainless Steel and Black finish.

FAQ'S

1. Products are thumping / rattling after installation.

Ensure that all required mounting brackets / hardware's are installed & tighten correctly. Suggest using white lithium / regular grease between the metal to metal contact surfaces.

2. Missing / Excess Hardware.

Recheck hardware count as per the part list.

3. Product not installing properly.

Ensure make model year, cab length and bed size of your vehicle is listed in the application. All installation steps are followed correctly.