800LB.

HORIZONTAL TRUCK RACK

OPERATION MANUAL & SAFETY INSTRUCTIONS



⚠ WARNING:

Save This Manual !

Read carefully and understand all MACHINE ADJUSTMENT AND OPERATION INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

CONTENTS

1. Important Safety Information ---------- 01

2. Installation Precautions ---------- 01

3. Use Precautions ---------- 01

4. Specifications ---------- 02

5. Assembly Diagram ---------- 02

6. General Assembly ---------- 04

7. Maintenace And Servicing ---------- 09

IMPORTANT SAFETY INFORMATION

⚠ WARNING

Read all safety warnings and instructions.

Failure to follow the warnings and instructions may result in serious injury.

Save all warnings and instructions for future reference.

INSTALLATION PRECAUTIONS

1.Follow DOT regualtions regarding installation and use.
2.Park truck on a flat, level, hard surface well away from traffic.
3.Verify that installation surface has no hidden wires before drilling or driving screws.
4.Install only according to these instructions. Improper installation can create hazards.
5.Wear ANSI-approved safety goggles and heavy duty work gloves during assembly and installation.
6.Mount Truck Rack securely to vehicle.
7.Keep installation area clean and well lit.
8.Keep bystanders out of the area during installation.
9.Do not install when tired or when under the influence of drugs or medication.
10.Weight capacity and other product capabilities apply to properly and completely installed product only.

USE PRECAUTIONS

1.Do not exceed rated weight capacity of Truck Rack, distributed evenly. Be aware of dynamic loading! Sudden load movement may briefly creat excess load causing product failure.
2.Do not exceed rated weight capacity of truck. Refer to truck’s Gross Vehicle Weight Rating.
3.Strap load securely to Truck Rack.
4.Use as intended only.
5.Inspect before every use; do not use if parts loose or damaged.
6.This product is not a toy. Do not allow children to play with or near this item.
7.Maintain product labels and nameplates. These carry important safety information.
8.The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SPECIFICATIONS

Load Capacity	800 lb
Weight	128 lb
Overall Dimensions	138”L X 57.5”W X 33”H
Applicable truck bed width range	47”- 59”
Applicable truck bed length range	64”- 76”
Bed rail height to cab top height	Minimum 27” ; less than 25” require extra 6” Riser Kit (not included)

ASSEMBLY DIAGRAM

COMPONENTS PARTS LIST:

Part	Description	Qty
1	Cab Bar	1
2	Front Side Bar	2
3	Rear Side Bar	2
4	Front Right Leg	1
5	Front Left Leg	1
6	Rear Right Leg	1
7	Rear Left Leg	1
8L	Front Left Foot	1

Part	Description	Qty
8R	Front Right Foot	1
9L	Rear Left Foot	1
9R	Rear Right Foot	1
10	Front Bar	1
11	Center Bar	1
12	Rear Bar	1
13	Clamp	4

HARDWARE PARTS LIST:

Bolt Set	Description	Qty
A	Bolt (M16x30), Washer x2, Nut	4
B	Bolt (M12x50), Washer, Nut	8
C	Bolt (M10x35), Washer	2
D	Bolt (M10x35), Washer, Nut	2
E	Bolt (M12x75), Washer, Nut	2
F1	Bolt (M18x85), Spring Washer, Washer x2, Nut	4
F2	Bolt (M18x85), Spring Washer, Washer x2, Nut	4
G	Bolt (M12x70), Spring Washer, Washer(Ø12), Washer (Ø16), Nut	8
H	Bolt (M10x70), Spring Washer, Washer, Nut	2
I	J-Hook, Spring Washer, Washer, Nut	8
K	Bolt (M12x70), Washer x2, Spring washer, Nut	12

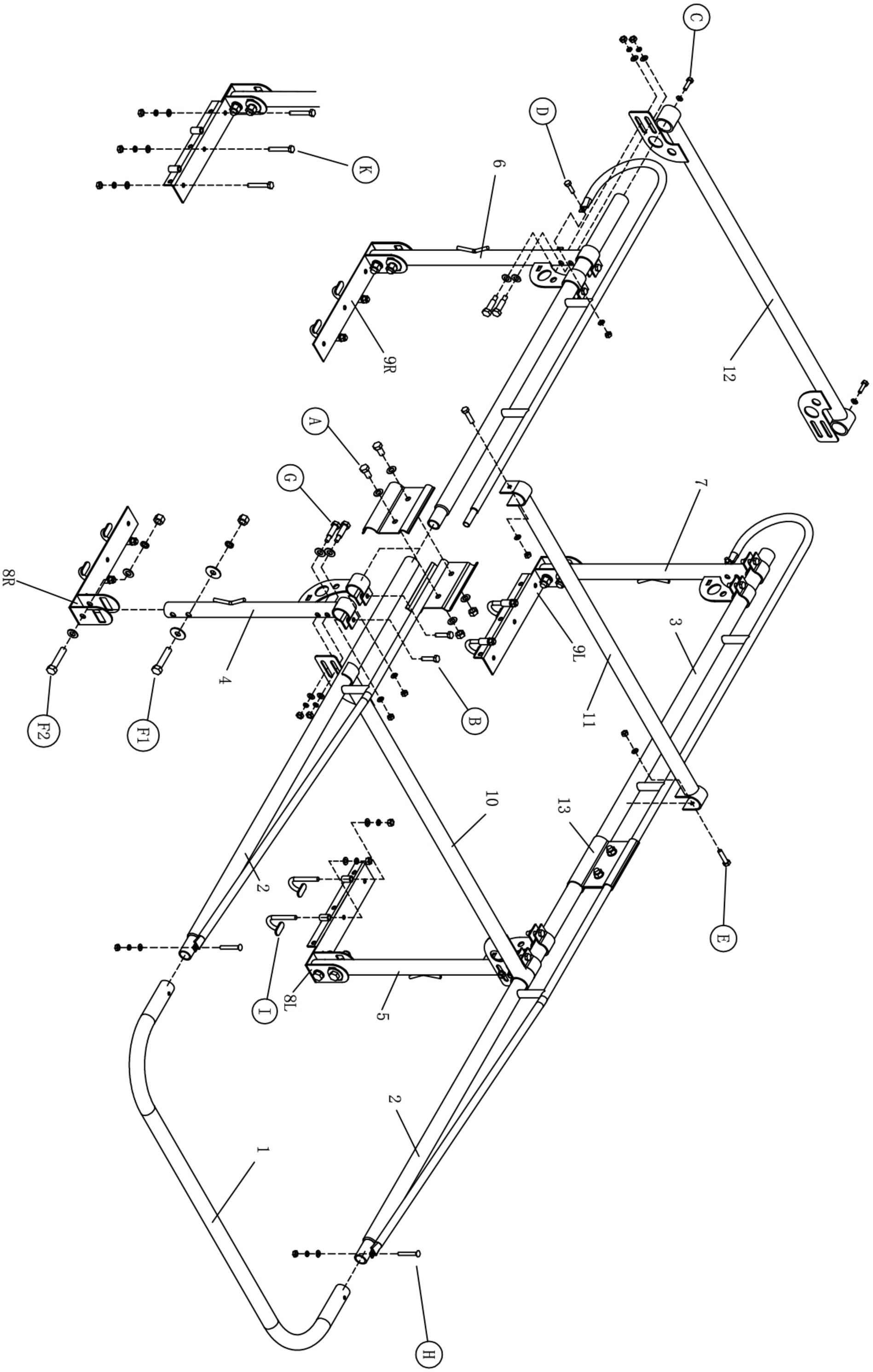


Figure 2

GENERAL ASSEMBLY

Note: It is recommended to have an assistant while assembling and installing this product. Finger tighten all connections until assembly is done. All connections are made to both left and right sides. Assemble on a flat, level, hard surface away from traffic.

1.Position Rear Legs （6，7）on Rear Side Bars(3). Attach using Bolt Set B. Attach curved ends of Rear Side Bars to Rear Legs using Bolt Set D. Note the opening side of legs facing toward to truck bed.

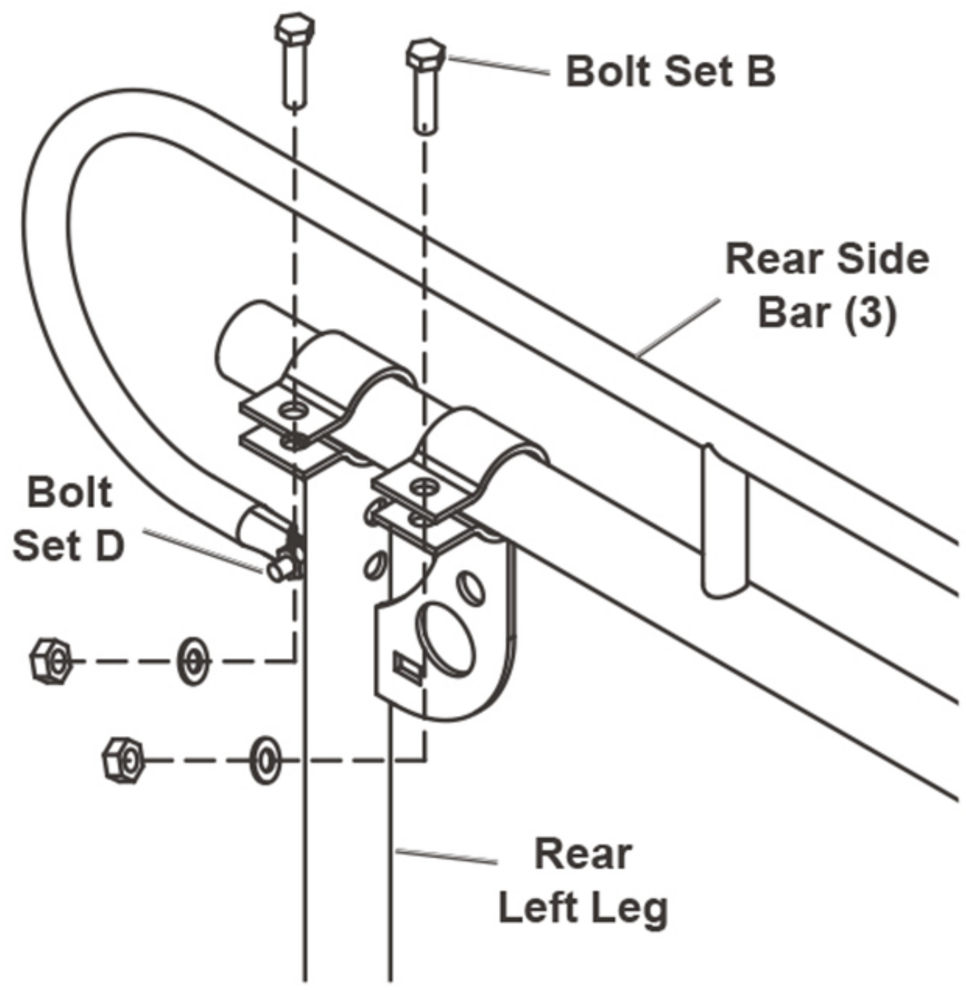


Figure 3

2.Attach Rear Bar (12) to Rear Side Bars using Bolt Set G. Attach end caps with Bolt Set C.

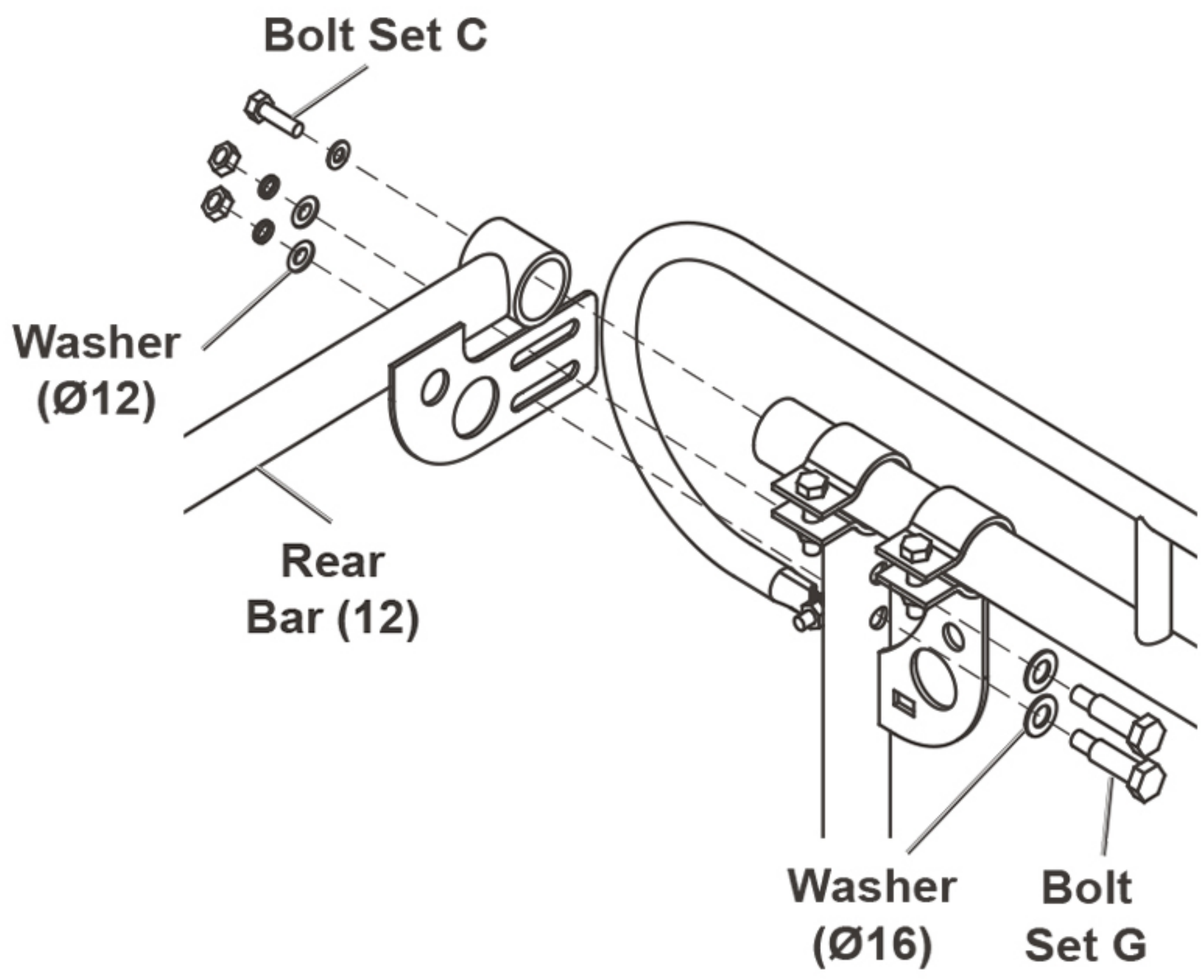


Figure 4

3.Position the Front Bar (10) behind the Cross Bars on the Front Side Bars (2), then position the Front Legs (4,5) next to the Front Bar. Secure connections with Bolt Sets B and G.

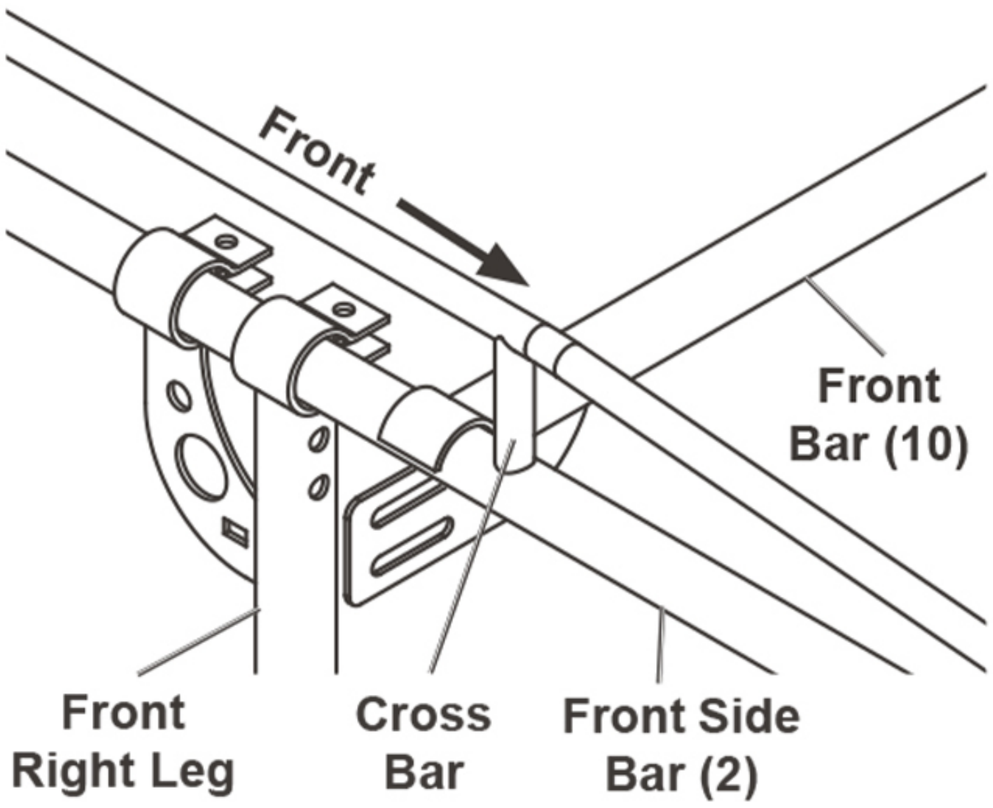


Figure 5

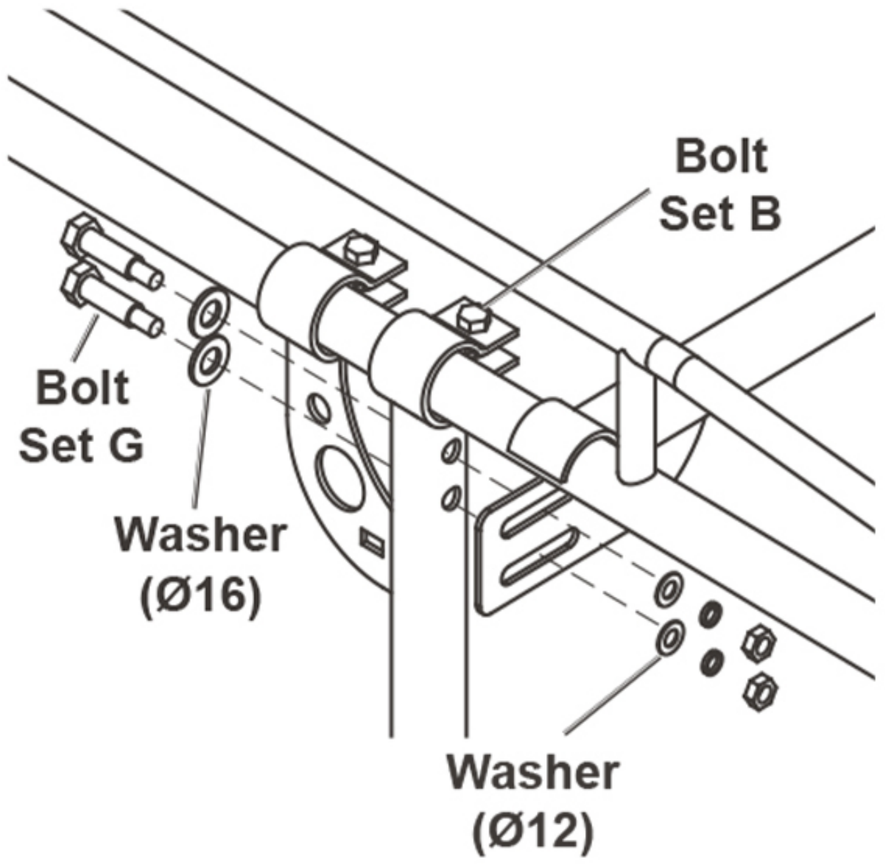


Figure 6

4.Slide Rear Side Bars (3) into Front Side Bars(2).Secure connections with Clamps(13) and Bolt Set A.

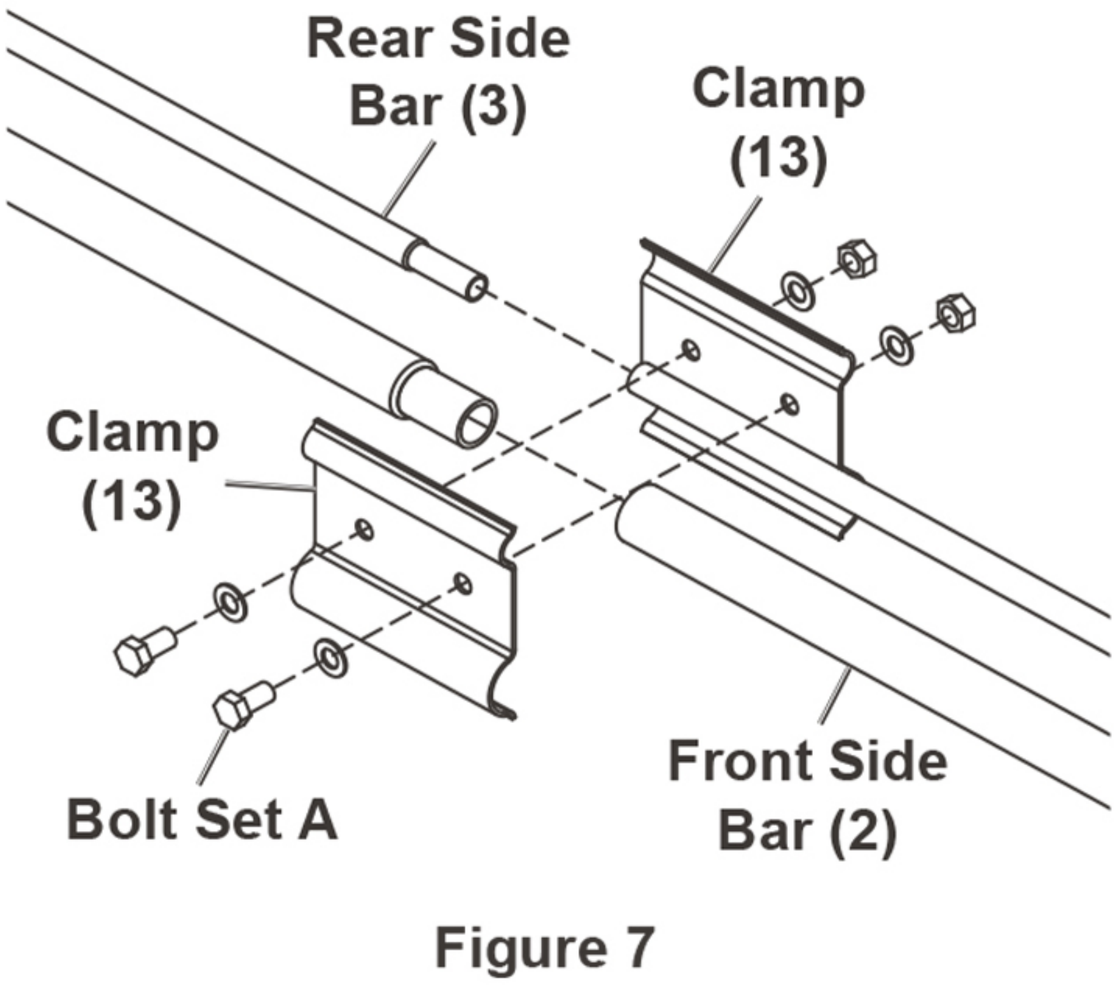


Figure 7

5.Slide ends of Cab Bar(1) over Front Side Bars. Attach with Bolt Set H.

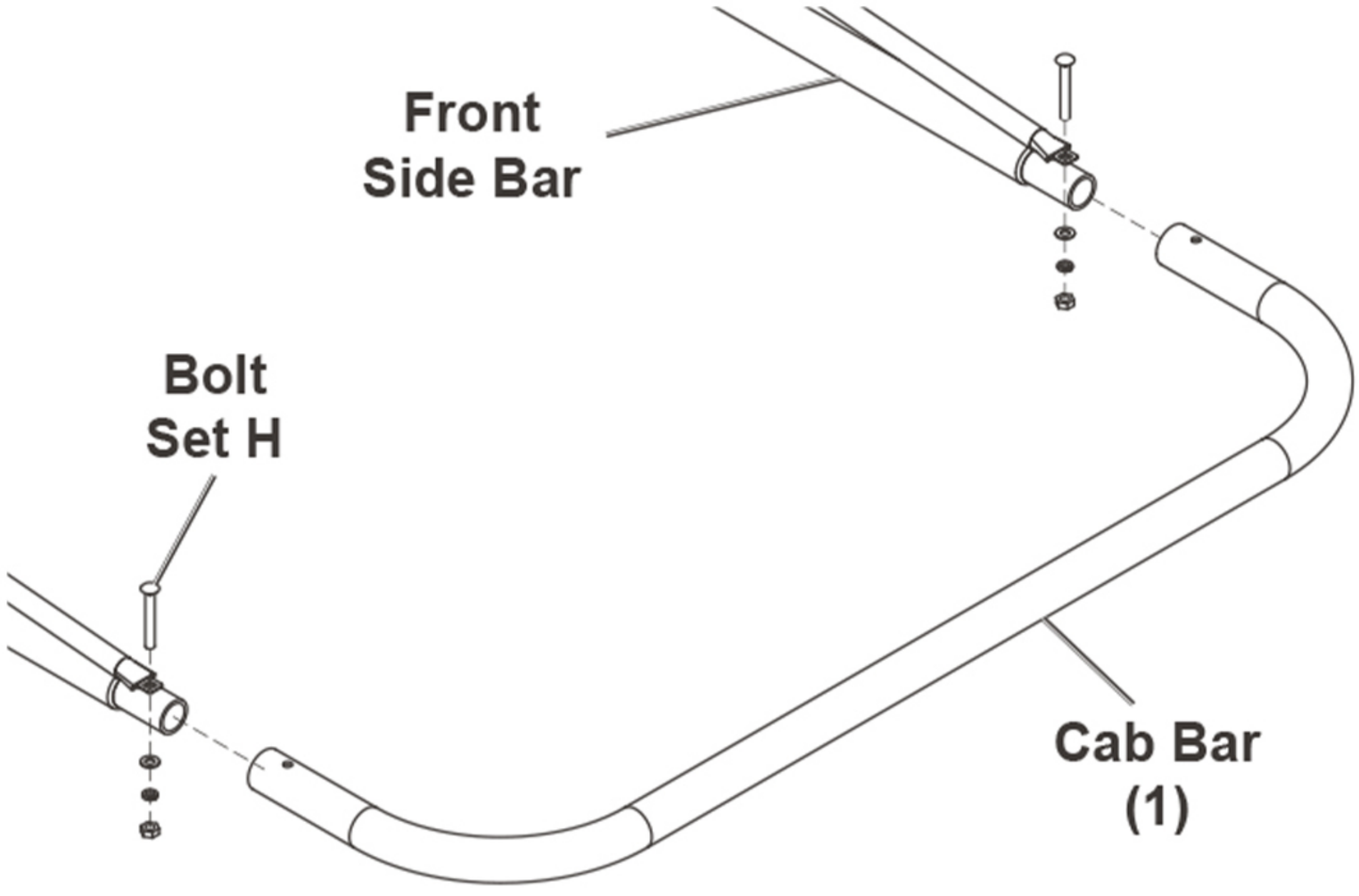


Figure 8

6.Position the Center Bar (11), where desired, on the Rear Side Bars, to the rear of the middle connections. Attach with Bolt Set E.

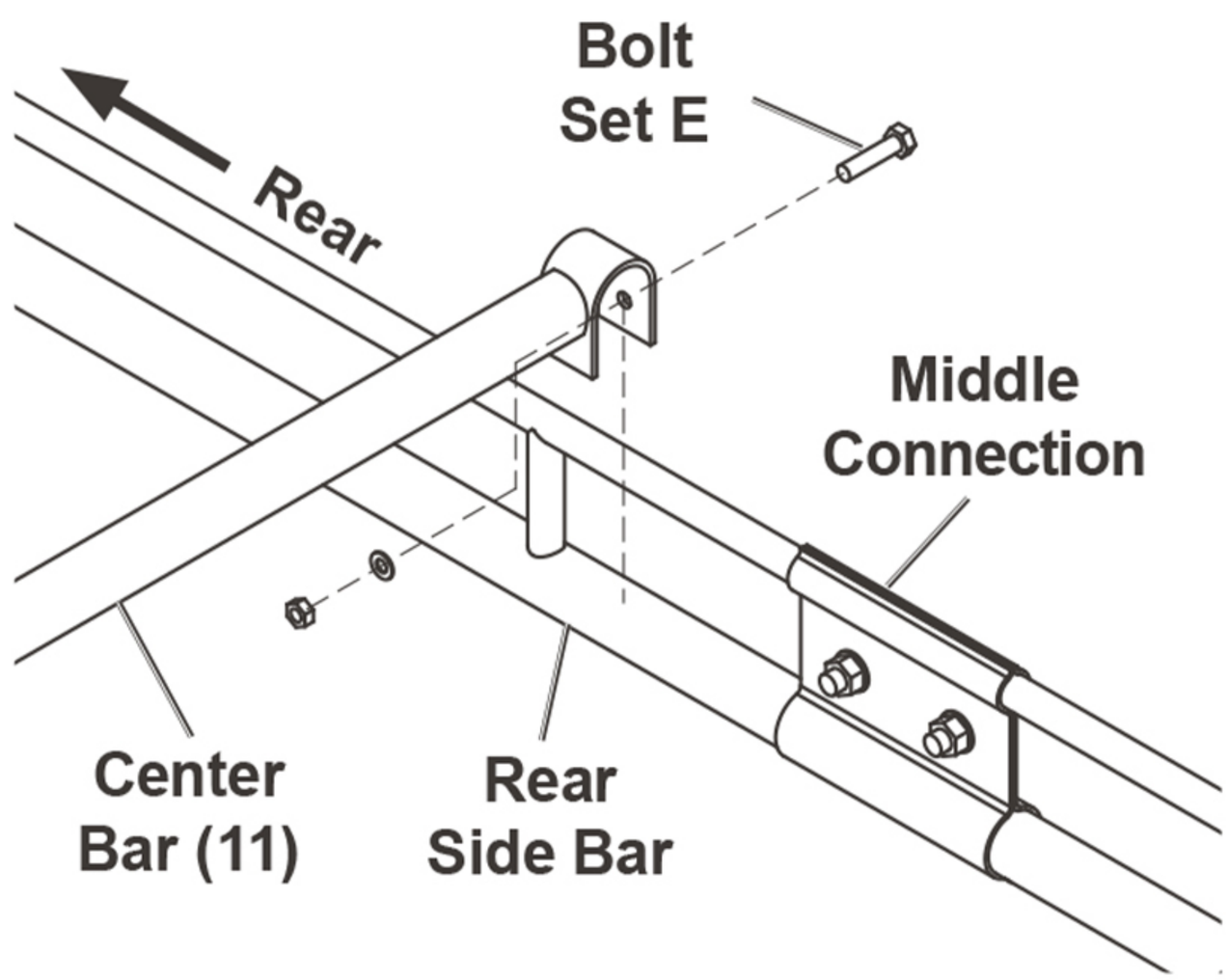


Figure 9

7.Attaching the Feet

Measure the height between the truck bed rail and top of truck cab, and measure the height of truck rack, to make sure that the rack will not touch the cab even under load. If the rack is not high enough, you can buy extra 6” Riser Kit (sold separately) to make it work. Attach Feet (8L, 8R, 9L, 9R) to corresponding Legs so that the lips will face inside the truck bed. Attach with Bolt Sets F1 and F2.

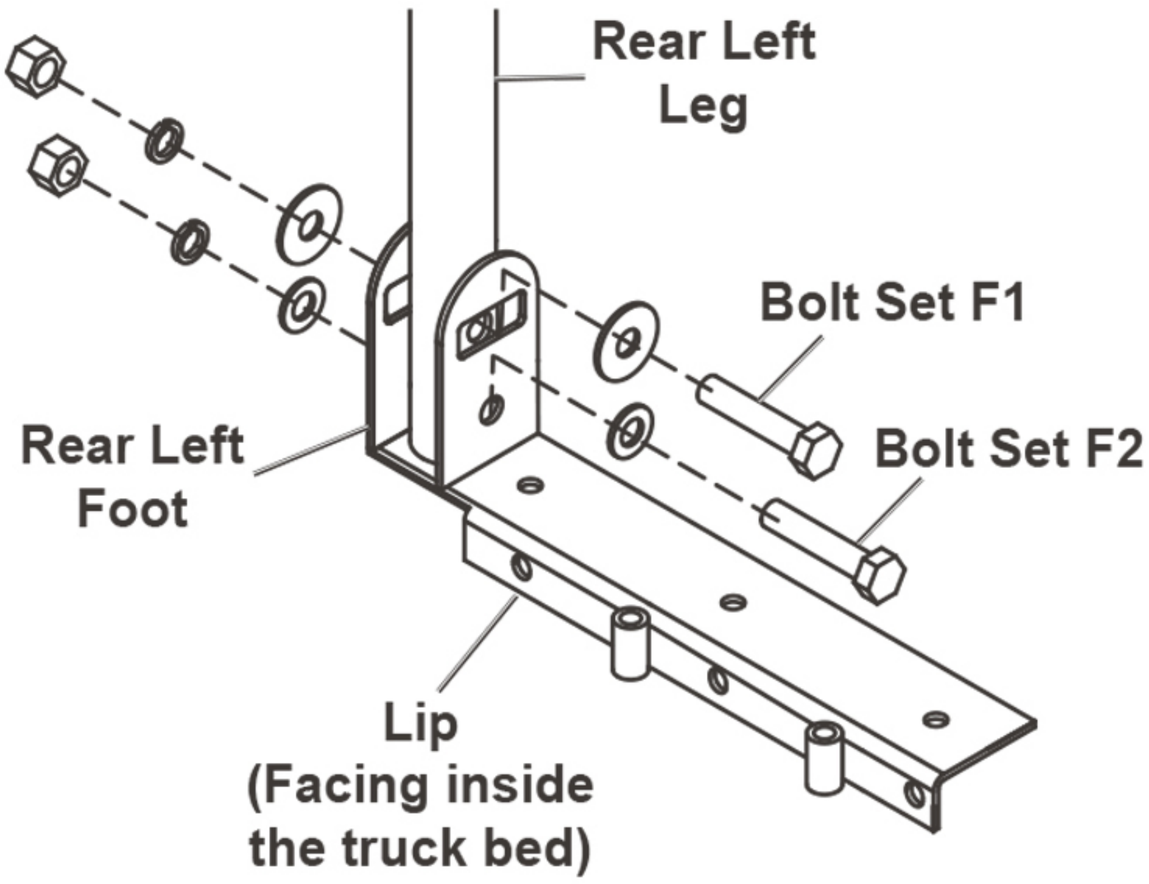


Figure 10

8.Gerneral assembly is now complete. It is time to size the rack now.

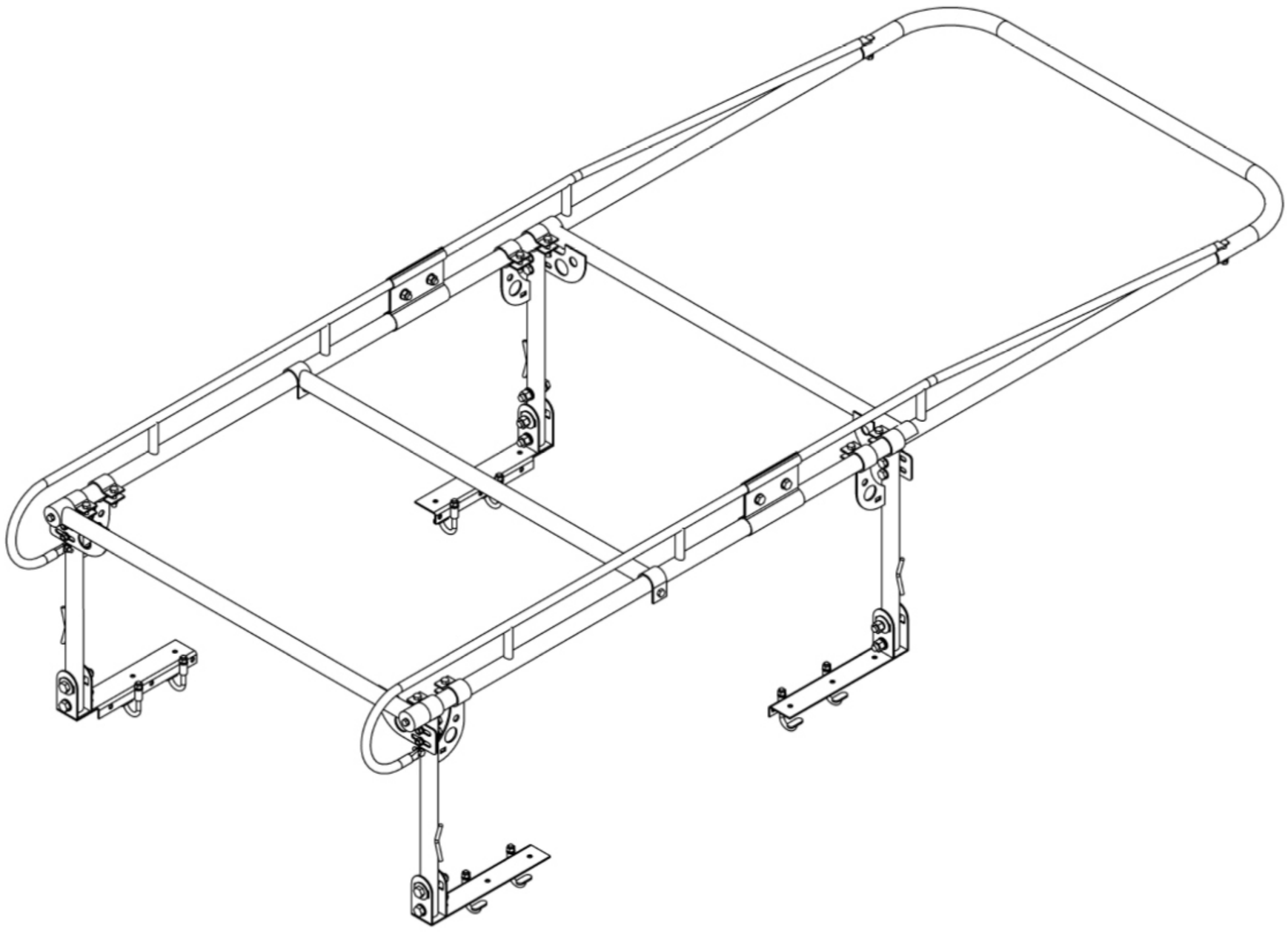


Figure 11

9.Measure the length of the top rail on your truck bed with the tailgate closed. Substract 3-1/2” from this measurement, this gives you the approximate spacing needed between the front and rear leg stands. Adjust your Front Leg Stands by sliding them forward or backwards to match this measurement. Once position is correct tighten bolts snug, but not completely.

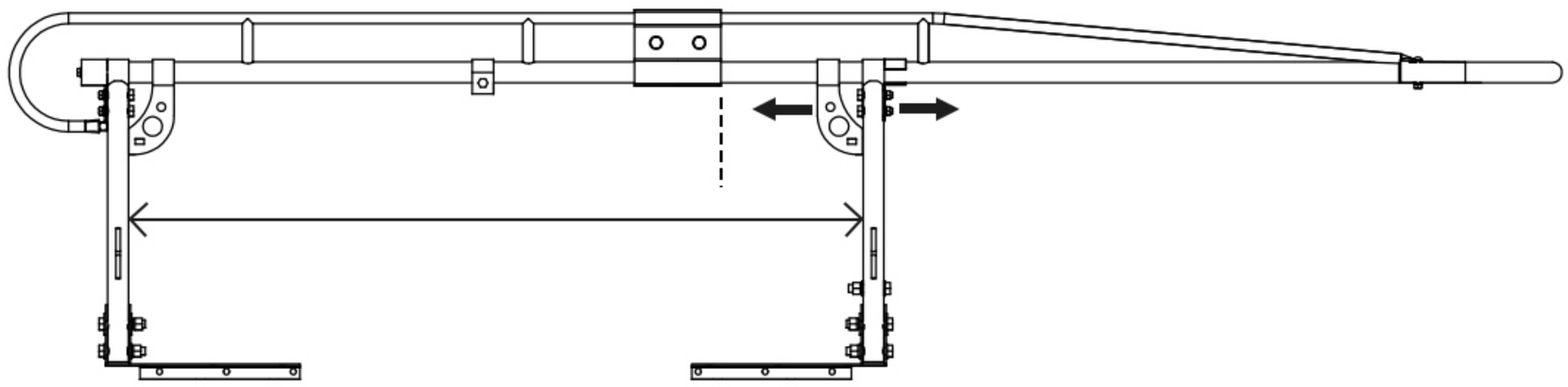


Figure 12

10.The rack is now ready to be installed on your vehicle. With assistance, carefully lift the rack onto the side bed rails of your vehicle aligning the mounting plates as close as possible to the corners of the bed rail. The leg stands and mounting feet can be adjusted while the rack is resting on the vehicle bed rail.

Once the desired location of the rack has been decided you can secure the mounting plates on the bed rail. There are two ways to attach the Rack to your vehicle: No Drill Installation and Permanent Installation.

NO DRILL INSTALLATION

1.Position the Feet so that the lips are flush with the insides of the rails.

2.Using Bolt set I, insert the J-Hooks up through the mounting tubes on each Foot.

3.Secure from the top, tightening hardware until the J-Hooks are holding the Feet tightly against the bed-rail.

4.Square and level all components, then tighten all hardware securely.

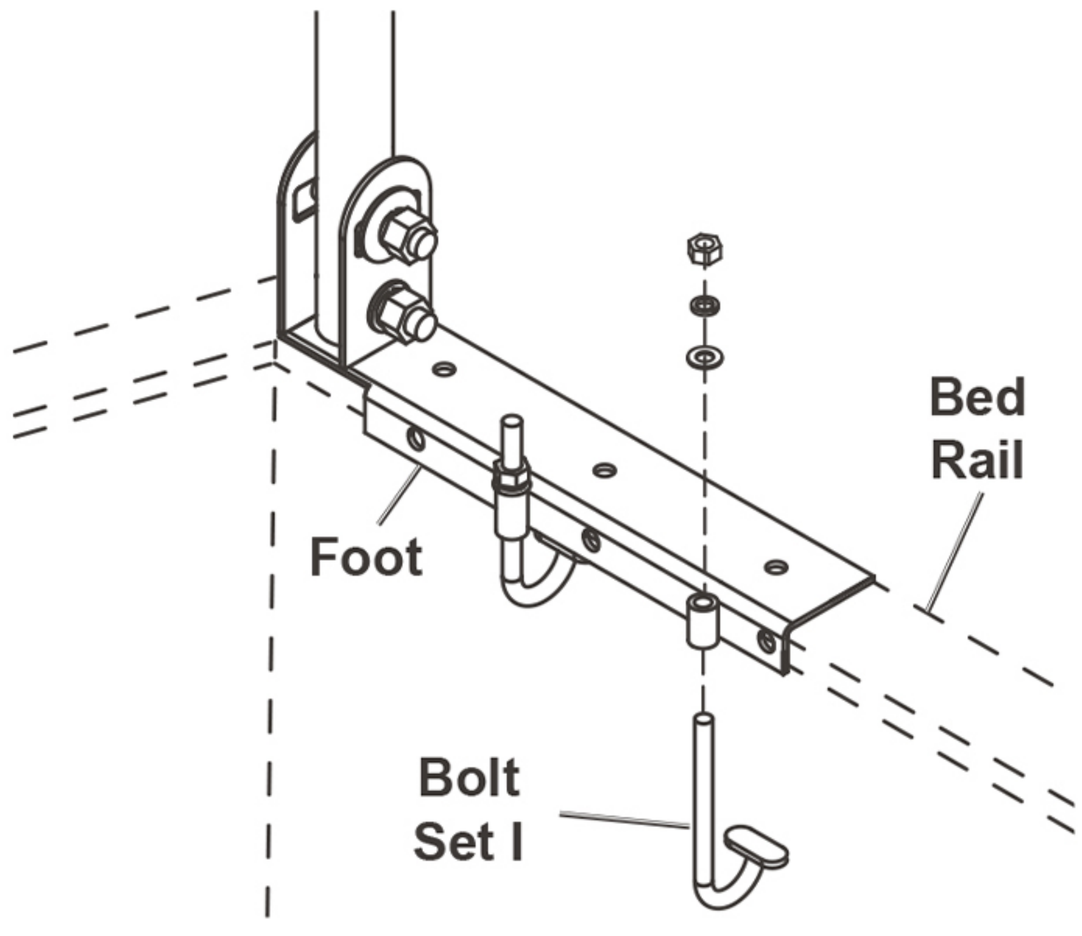


Figure 13

PERMANENT INSTALLATION:

WARNING: Before drilling your vehicle's bed rails, you MUST check to see if you have a clear hole from the top of rail to the underside of the rail. Use at least TWO bolts (K) to attach each Mounting Foot to the vehicle.

1.Position the Feet so that the lips are flush with the insides of the rails.
2.Using the Feet as templates, mark locations of mounting holes.
3.Drill the mounting holes in the bed rails using a 17/32" drill bit.
4.Position the Feet so that mounting holes align with pilot holes, then secure the Feet with Bolt Set K.

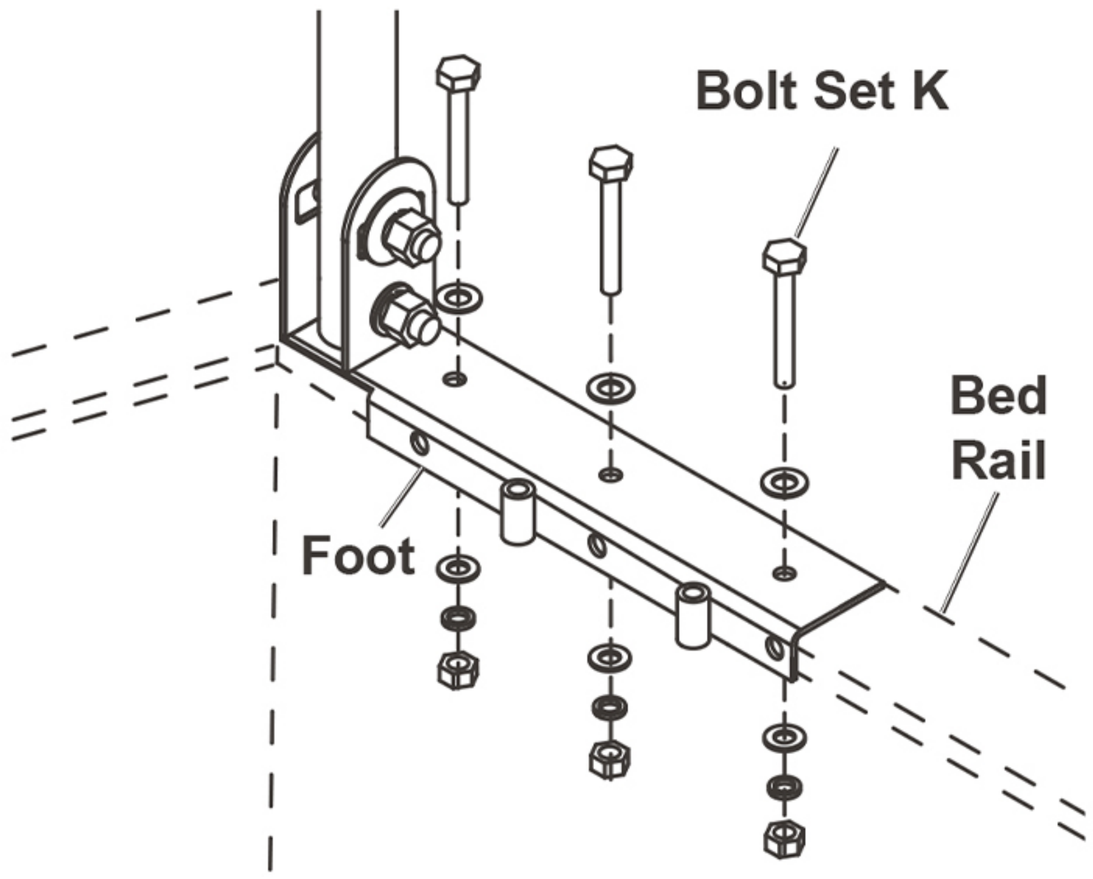


Figure 14

11.Stand in front of your truck and check if the Cap Hoop is parallel with the horizontal surface of the truck cab roof. Push or pull the rack to adjust.
12.When you are satisfied with the above steps, tighten the Mounting Feet first then tighten all other bolts and screws.

MAINTENACE AND SERVICING

⚠ WARNING !

TO PREVENT SERIOUS INJURY FROM TRUCK RACK FAILURE:

Do not use damaged equipment. If Truck Rack is damaged or if abnormal noise or vibration occurs, have the problem corrected before further use.

1.BEFORE EACH USE, inspect the general condition of the Truck Rack. Check for: loose hardware; misalignment or binding of moving parts; cracked or broken parts, and any other condition that may affect its safe operation.
2.AFTER USE, wipe external surfaces of the Truck Rack with clean cloth.