

Bite Point Performance

Volvo Roof Rack Installation Guide

Document No.: BPP-INS-002

Revision: Rev A

Estimated Installation Time: 1-2 hours

Skill Level: Easy

Thank you for purchasing your Bite Point Performance Roof Rack System.

Read these instructions completely before installation. Improper installation may result in vehicle damage, loss of cargo, or personal injury.

Vehicle Compatibility

Designed for compatible Volvo models listed on the product page. Verify vehicle compatibility before installation.

Included Components

- (2) Powder-coated mounting brackets
- (2) Aluminum crossbars
- 12 M6 20mm Button Head Bolts
- 8 M6 12 mm Button Head Bolts
- 8 M6 T-nuts
- End caps
- 4 M6 Countersink Bolts
- Allen wrench
- Protective material for rain-gutter contact surfaces

Required Tools

- Socket set
- Ratchet
- Torque wrench
- Measuring tape

Before You Begin

- Park the vehicle on level ground.
- Clean the rain-gutter mounting surfaces before installation.
- Protect painted surfaces from tools and hardware.
- Organize all hardware before beginning installation.
- Verify that the mounting brackets and hardware are correct for your vehicle.
- Do not install the rack if the rain gutter or surrounding sheet metal is damaged or excessively corroded.

Installation Procedure

Step 1 - Clean the Mounting Area

Thoroughly clean the exterior rain gutter and surrounding painted surfaces where the rack clamps will contact the vehicle.

Remove dirt, wax, grease, and other contaminants.

Allow the mounting surfaces to dry completely before continuing.

Step 2 - Inspect the Rain Gutter

Inspect the rain gutter along both sides of the vehicle.

Verify that:

- The gutter is free of debris.
- The gutter is not bent or damaged.
- The mounting surfaces are free of excessive corrosion.
- The clamp locations provide a solid, continuous mounting surface.

Do not install the rack over damaged or deformed portions of the rain gutter.

Step 3 - Position the Mounting Brackets

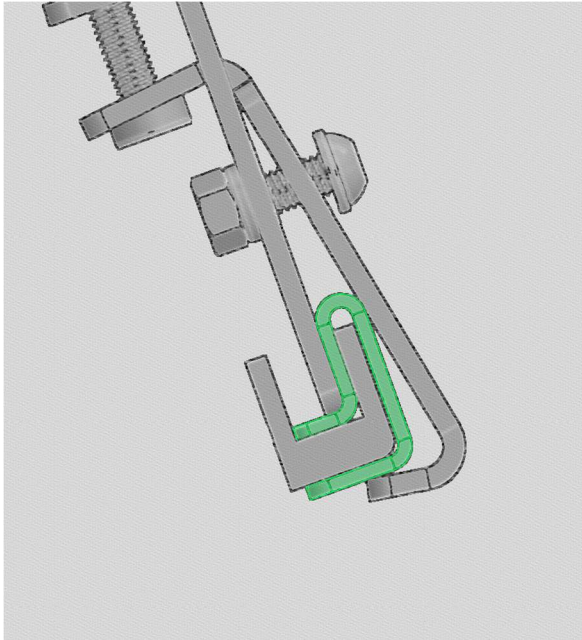
Measure from a consistent reference point on the vehicle to position the front and rear mounting brackets.

Repeat the measurements on both sides of the vehicle.

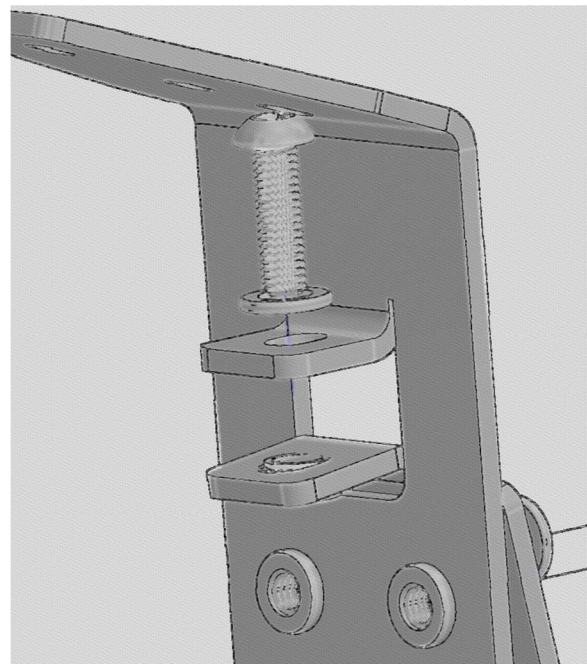
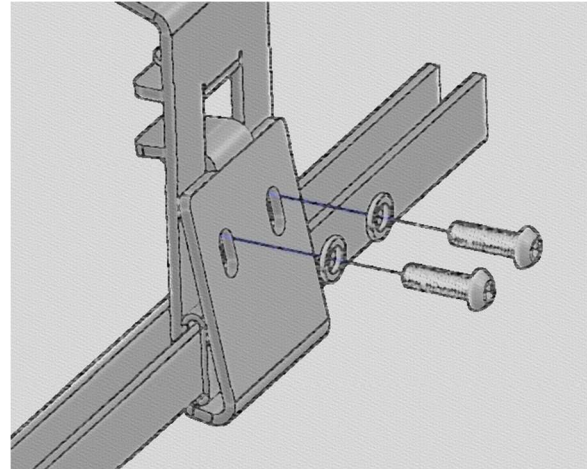
Place the powder-coated mounting brackets over the exterior rain gutter.

Ensure that the brackets are fully seated against the gutter and that the clamp surfaces are properly engaged.

Refer to the Drawing to see the suggested routing for the protective rubber gasket.



Install the 20mm button head screws into each threaded portion of the clamps, finger tighten only.



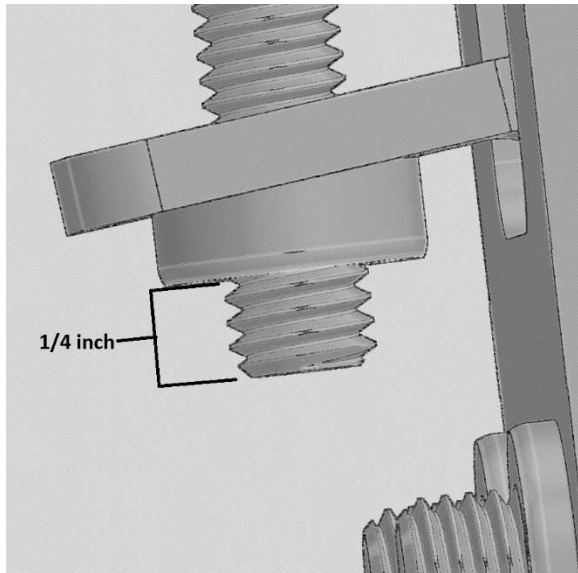
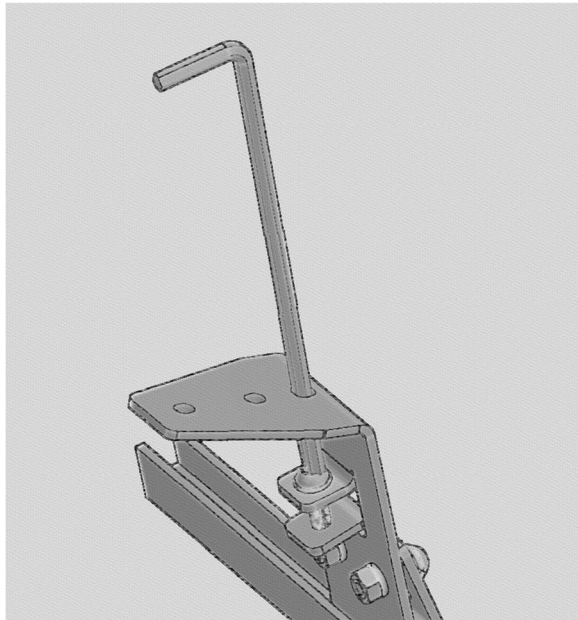
Do not fully tighten the hardware at this time.

Verify that:

- Left and right mounting brackets are positioned symmetrically.
- Front and rear brackets are at the intended locations.
- The brackets are square to the vehicle.
- The clamps remain fully engaged with the rain gutter.

Step 4 - Engage the Clamps

Carefully tighten the top button screw to engage each clamp with the underside of the vehicle's exterior rain gutter. The screw only needs to protrude approximately ¼ inch beyond the press fit nut to properly seat.



Verify that the clamp is properly seated and is not contacting trim, weatherstripping, or other components.

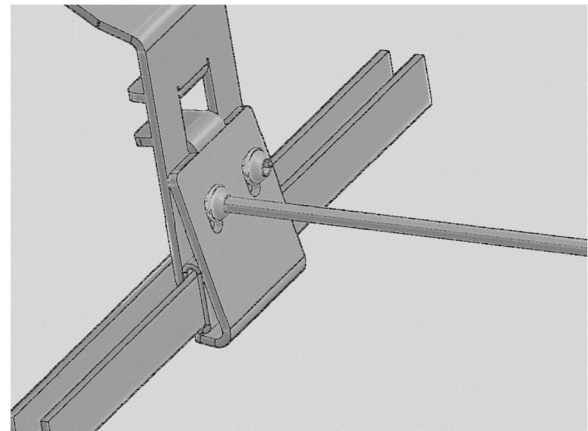
Important: The clamp must engage the structural portion of the rain gutter. Do not rely on plastic trim or weatherstripping for structural support.

Step 5 - Tighten Mounting Hardware

Gradually tighten the two exterior-facing 20 mm Button Screws while alternating between fasteners.

Do not fully tighten one side before tightening the other.

Torque the mounting hardware to 5 ft/lbs.



Do not exceed the specified torque. Excessive tightening may damage the rain gutter, vehicle sheet metal, or rack hardware.

Step 6 - Verify Clamp Engagement

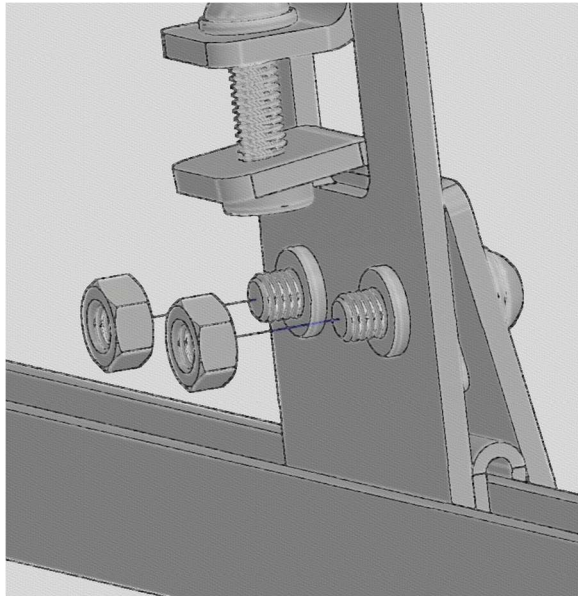
After tightening, inspect each mounting point.

Confirm that:

- The clamp is fully engaged with the rain gutter.
- The mounting bracket is firmly seated.
- There is no visible deformation of the rain gutter.
- The bracket does not move when moderate hand force is applied.
- No trim, weatherstripping, or painted surfaces are being improperly pinched.

Step 7 – Install Jam Nuts

After engaging the clamps add two 6mm jam nuts to the rear of the lower clamping screws. Tighten the nuts to 5 ft/lbs.

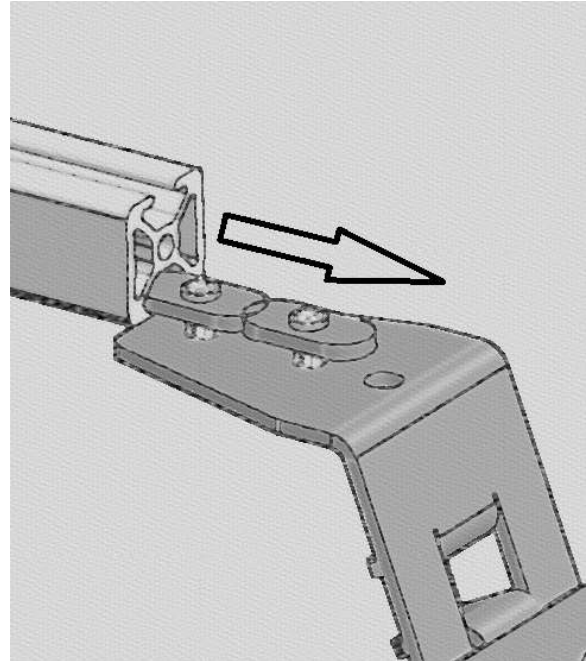


Step 8 - Install Crossbars

Insert the supplied bolts through the crossbar brackets.

Partially thread the M6 T-nuts onto the bolts and slide the T-nuts into the crossbar channels.

Position the crossbars approximately in the desired location.



Step 9 - Center the Crossbars

Measure the crossbar overhang on each side of the vehicle.

Adjust the crossbar until the left and right overhangs are equal.

Verify that the crossbar is perpendicular to the vehicle centerline.

Step 10 - Tighten Crossbar Brackets

Once the crossbars are correctly positioned, tighten the crossbar bracket hardware.

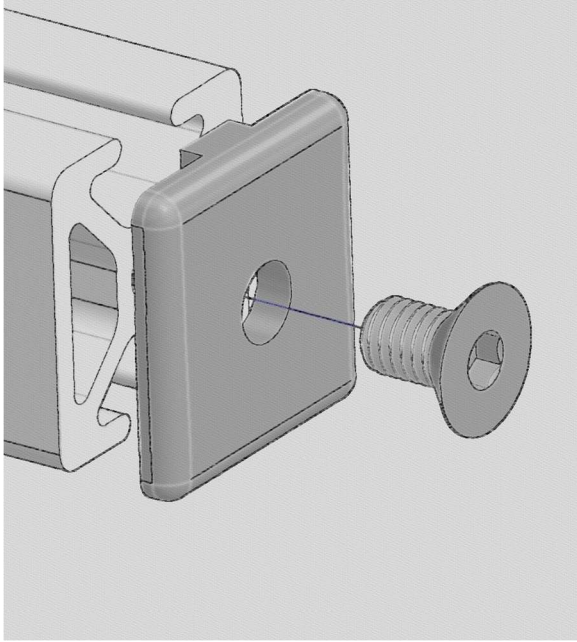
Crossbar Bracket Torque: 5 ft/lbs

Verify that the crossbars cannot rotate or slide relative to the mounting brackets.

Step 11 - Install End Caps

Install the supplied end caps into the crossbar ends.

Secure the end caps using the supplied retention hardware.



Step 12 - Final Hardware Check

Verify all mounting hardware is properly tightened.

Final Inspection

- Verify all mounting hardware is tightened to the specified torque.
- Confirm all rain-gutter clamps are fully engaged.
- Confirm the mounting brackets are seated correctly.
- Confirm crossbars are centered.
- Confirm crossbars are securely attached to the mounting brackets.
- Verify there is no interference with doors, windows, weatherstripping, or other vehicle components.
- Apply moderate hand force to the rack and verify that there is no excessive movement.
- Inspect the vehicle contact surfaces for signs of paint damage or improper clamp engagement.
- Recheck mounting hardware after the first 50 miles (80 km).

Maintenance

- Inspect all mounting hardware periodically.
- Inspect the rain-gutter clamp locations for movement, damage, or paint wear.
- Check crossbar and mounting bracket hardware periodically.
- Clean the rack with mild soap and water.
- Remove dirt and debris from the rain-gutter mounting areas.
- Replace damaged components immediately.

Safety Information

- Never exceed the vehicle manufacturer's roof load rating.
- Never exceed the Bite Point Performance rack's rated load capacity.
- The lower of the vehicle manufacturer's roof load rating and the rack's rated capacity must always be observed.
- Distribute cargo evenly across the crossbars.
- Secure all loads properly before driving.
- Periodically inspect the rack and cargo during extended trips.
- Do not use the rack if any mounting component is damaged, loose, or improperly engaged.
- Do not modify the rack or mounting hardware.
- Do not install the rack over damaged or structurally compromised rain-gutter sections.