



2003 – 2009 Lexus GX 470 Platform Roof Rack w/ Air Dam

P/N 10917

Kit Contents:

| <u>Item</u> | <u>Qty</u> | <u>Item</u> | <u>Qty</u> |
|----------------------------------------------|------------|------------------------------|------------|
| 3/8" x 1" Hex Bolt | 16 | Platform Rack | 1 |
| 3/8" Flat Washers SAE (Small) | 32 | 8mm x 25mm Button Head Screw | 12 |
| 3/8" Nyloc Nut | 16 | 3/8" SS Flat Washer (Large) | 12 |
| Rear Mounting Brackets (Driver & Passenger) | 2 | Air Dam | 1 |
| Front Mounting Brackets (Driver & Passenger) | 2 | | |

Installation Instructions:

Please read all instructions thoroughly prior to beginning the installation process. These instructions include the procedure for removing the Lexus roof rack from your GX 470. If your vehicle is not equipped with a factory roof rack, you may skip to step 4 of the instructions and begin removing the channel trim.

Factory Roof Rack Removal:

1. If you have a factory roof rack, it will need to be removed. Using a tape-wrapped putty knife or some other soft, flat edge remove the rack mount covers at each corner and the middle by slipping the edge between the plastic cover and rubber base and prying outward as shown (figure 1). You may also make a flat hook by bending approximately 1/4" of the end of a piece of thin metal as shown. (figure 2) Removing the covers will expose the roof rack mounting bolts.
2. (optional) Remove the rubber bumper strip from the cross bar channel allowing the cross bars to be loosened and slid out of the factory rack. The rack can also be removed as one piece if needed, as described in step 3 below.

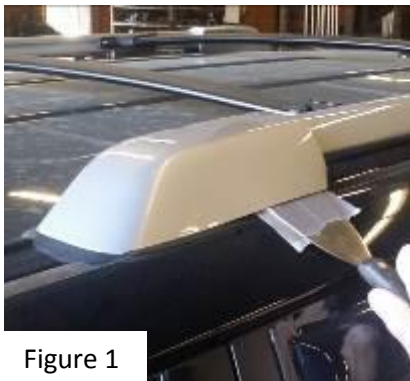


Figure 1



Figure 2



- Unbolt the 10 bolts attaching the factory rack to the roof (2 front, 1 middle, and 2 rear on each side). Remove the factory roof rack (figure 3). The factory hardware will not be reused.

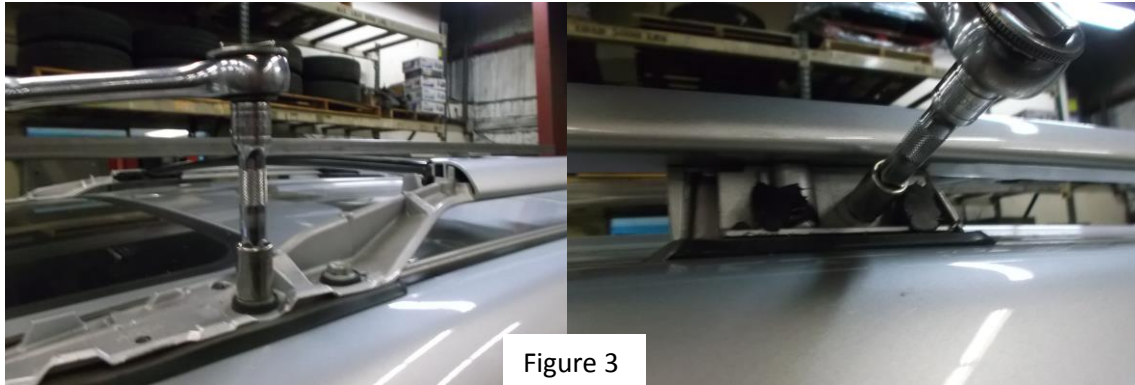


Figure 3

- After the rack has been removed you must also remove the bracket at the center mounting point by removing the two bolts at each bracket (figure 4). Remove the ditch molding pieces and set them aside for now.



Figure 4

Rack Mount Installation:

- Skip this step if you have a factory roof rack. If you do not have a factory roof rack, remove ditch moldings by using a tape-wrapped flathead screwdriver or some other soft, flat edge. This will reveal 12 well nuts with plastic protruding sleeves (6 driver's side & 4 passenger's side).



Figure 5

- Clean the area around the well nuts and apply some RTV silicone sealant around each of the well nuts, to prevent rusting and water leaks. You should only silicone the locations for one mount at a time. We recommend clear or body color RTV silicone for the cleanest install, but any silicone based sealant will work (figure 5).



Figure 6

- Locate your mounting brackets. These will have tabs and a lip facing inwards. The small mounts are used at the front of the vehicle roof (figure 6). The larger mounts with a stamped "WP" are used at the two rear mounting points, with the "WP" logo positioned at the furthest back point (figure 7).



Figure 7

8. Starting with the driver's side, position the mounting bracket by placing the holes in the feet of the mount OVER the plastic sleeves at the roof mounting points (figure 8) and loosely attach to the well nuts using the included 8mm bolts and Stainless Steel 3/8" (Large) Flat Washers. A dab of Loctite or other thread locker is recommended on each of the 8mm bolts attaching the rack mounts to the vehicle roof (figure 9). A long handled Allen "L" key with ball end (5mm) will be helpful for installing this hardware (figure 10).
9. Tighten bolts. Tightening till snug by hand should be fine, however, for reference the torque should be approx. 14 ft-lbs. Repeat steps 6-8 for the passenger side.
10. If you would like to keep the ditch moldings, you will need to trim them as necessary to fit between the feet of the mounts. There is a small metal wire that runs the length of the molding so you will need to use a pair of diagonal cutters, hack saw, or similar (figure 11). You may also choose to place a few dabs of silicone in the bottom of the channel to hold the trim in place (figure 12).



Figure 8



Figure 9



Figure 10



Figure 11

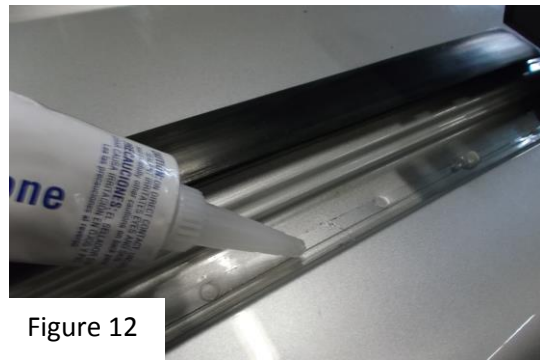


Figure 12

Air Dam Installation:

11. At this time install the included Air Dam onto the Platform. Position Air Dam at front of rack, with the mounting brackets located BELOW the corner plates of the rack.
12. Insert four 3/8" x 1" bolts with SAE (small) washers through the holes/slots provided. Place a washer and Nyloc nut on each bolt under the mounting bracket. (Do not fully tighten at this time.)
13. Position Air Dam so that there is a constant gap size between the Air Dam skin and the leading tube of the platform rack (figure 13). Fully tighten all hardware once you are happy with the position/gap. (This gap will provide clearance at the front tube for ropes, straps, and hooks to secure your load. The gap will be approximately 3/4" with the Air Dam positioned completely forward in the mounting slots.)

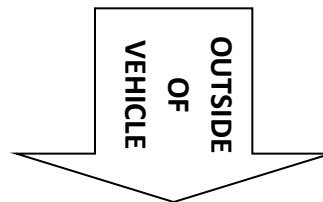


Figure 13

Platform Installation:

- Place the platform on the roof mounts with the angled platform tube and Air Dam facing forward. It helps to have a spare set of hands for this step.
- Starting with the driver's side, loosely start the 3/8" bolts and one SAE washer per bolt from the top, through the slots in the rack mounting bucket and through the corresponding tab holes in the mount. The bolts **MUST** be positioned in the slot locations indicated below for correct installation (figure 14). Take note of the arrows indicating the vehicle orientation, and also note that the bolts in the center mounting bucket are **NOT** located in the middle row (front-to-rear), they are actually shifted off-center one row toward the rear of the platform. After the bolts are correctly positioned, place another SAE washer and then a Nyloc Nut on each bolt under the tab of the mounting bracket. Do not fully tighten until all hardware has been started.

Mounting Bolt Locations (Driver Side Shown):



- Repeat step 13 for opposite side.
- Visually align platform and tighten all hardware.
- Installation Complete. Enjoy your new roof rack!



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