



5TH GENERATION 4RUNNER (2015-2018) RTT MOUNT INSTALLATION GUIDE

REQUIRED TOOLS:

- + Socket Set (standard and metric)
- + Small Phillips screwdriver
- + 3/16 and 1/4 Allen Keys
- + Oscillating saw
- + Razor Blade
- + Spudger trim tool or nylon pry tool (Harbor Freight is a good option)
- + Butyl Seal Tape or your preferred sealant.
- + Inch pound torque wrench and foot pound torque wrench.

PLEASE READ BEFORE YOU START

TO GUARANTEE A QUALITY INSTALLATION, WE RECOMMEND READING THESE INSTRUCTIONS THOROUGHLY BEFORE BEGINNING ANY WORK. THESE INSTRUCTIONS ASSUME A CERTAIN AMOUNT OF MECHANICAL ABILITY AND ARE NOT WRITTEN NOR INTENDED FOR SOMEONE NOT FAMILIAR WITH AUTO REPAIR. DO NOT START OR ATTEMPT THIS INSTALLATION IF YOU ARE UNSURE OF YOUR ABILITIES OR DO NOT HAVE THE RESOURCES LISTED ABOVE. IF YOU DO NOT FEEL COMFORTABLE INSTALLING YOUR 5TH GENERATION 4RUNNER MOUNT AND RTT, PLEASE CONTACT US TO SCHEDULE AN INSTALL AT OUR SHOP IN BELGRADE, MT. GFC IS NOT RESPONSIBLE FOR DAMAGE DONE TO VEHICLES IN THE COURSE OF INSTALLATIONS OUTSIDE OF OUR FACILITY.

PART I: REMOVE FACTORY SHARK FIN AND REPLACE. (IMAGES 1-7)

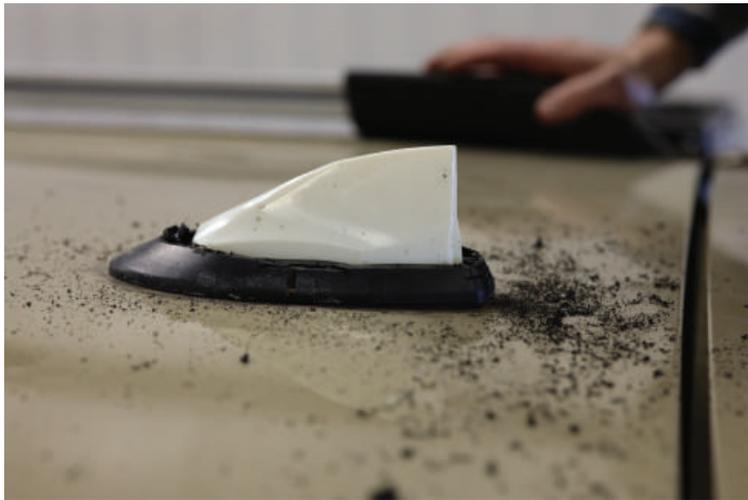
1. Measure approximately 1.25" up from the base of the shark fin and draw a horizontal line around the black shark fin. This is your cut line.
2. Using an oscillating saw, like the one pictured, carefully cut around the entire shark fin, only cutting through the black (first) layer of plastic. (see Image 3)
3. Remove the black cap of shark fin plastic, exposing the white shark fin underneath.
4. Holding your saw blade vertically, carefully cut through the back of the black plastic and peel away the remaining black shark fin, leaving only the white shark fin with 4 screws attaching it to the vehicle.
5. Remove the 4 screws attaching the white shark fin and pull straight up to expose the antennae circuit board below.
6. Using the 4 screws you just removed, snap on the 3D printed shark-fin replacement and secure it to the vehicle, ensuring the cover seats securely on the rubber gasket attached to the circuit board.

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PART II: REMOVE FACTORY ROOF RACK

Reference Video: www.youtube.com/watch?v=8qu7Plf8Leo

1. Remove factory roof rack as shown in the reference video.
2. Keep the hardware (you will use this to install your GFC mounts) and be careful not to push the threaded inserts below the sheet metal of the vehicle. If this happens, you will need to remove the headliner to retrieve them.

PART III: ATTACH FABRICATED MOUNTS (IMAGES 8-11)

NOTE: Be sure to correctly apply all torques with a torque wrench.

1. Place a butyl seal over the factory track holes (cutting small holes for the bolts to pass through. The seal should be approximately the size of the standoff blocks, covering that entire factory track surface. You may also choose to use other water-sealing products.
2. Place the standoff blocks on top of the seal with the angled face up (high side to the outside of the vehicle). There is only one way to place the blocks so they provide a level surface. (Image 9)
3. Using the factory hardware, loosely attach the GFC mounts onto the standoff blocks with the flat side up. You will note that one side of the mount is wider and has an indicator hole drilled into the flat. This side is placed to the back of the vehicle on each side. (denoted by red circle in image 10)
4. Position the mounts so they are even on each side, front to back.
5. Tighten the mounting hardware (Toyota factory hardware) to ~17-ft-lbs.

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Attach butyl tape or preferred sealant to interface of the leveling bracket and 4Runner roof track sheet metal.



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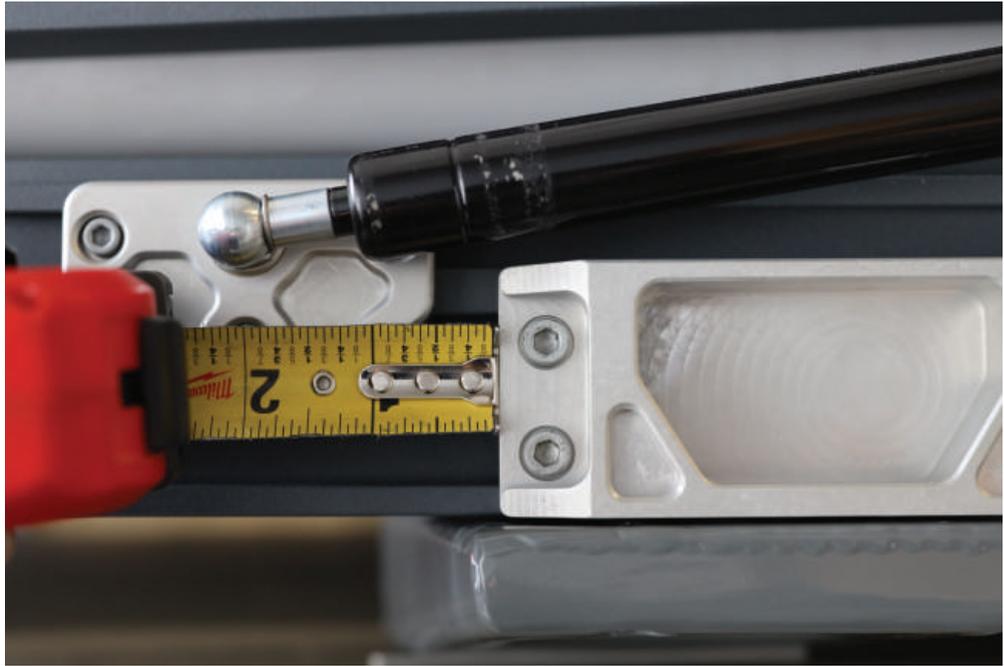
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PART IV: LIFT AND FASTEN RTT (IMAGES 12-13)

1. Loosely attach the outrigger blocks to the mount using the Allen screws and a washer. You may place a drop of medium strength Loctite on these threads now. Please note, these screws must remain loose until final assembly or attaching the tent will be difficult.
2. Lift the tent into place with the latch pins to the rear. Place the tent onto the mount between the outrigger blocks.
3. Position the tent where you would like it to remain, double checking the following:
 - a. *The tent must not be positioned where the outrigger blocks will hit the tent lift struts.*
 - b. *Ensure your rear hatch can open fully.*
4. Slide the T-nuts into the T-track and fully turn them clockwise to engage. Position them so they will line up with the 4 holes on each outrigger block.
5. Using medium strength Loctite on the ¼-20 Allen screws, attach the outrigger blocks loosely to the side of the tent frame.
6. Once everything is in place, tighten all 4 screws connecting each outrigger block to the extruded tent frame. (50 inch-lbs)
7. Tighten the 2 screws attaching each outrigger to the GFC mount. (17 ft-lbs)

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