



Compressor Mount 3G Tacoma

Thank you for selecting Runnin4Tacos™ as the choice for your air compressor mounting solution. The bracket designed for your truck requires competency in aligning, drill holes, and installing rivNUT/plusNUT fasteners. If you are unfamiliar with this type of fastener or you feel it is above your pay grade you are encouraged to seek professional installation of this product.

TOOLS REQUIRED

- 5/32 Allen wrench
- 5mm Allen wrench
- 4mm Allen wrench
- 13mm wrench
- Sharpie Marker
- Drill (Cordless Preferred)
- 23/64" Drill Bit
- rivNUT/plusNUT installation tool
- Thread locking compound (Blue)

The vibration induced by compressor operation makes the use of a thread locking compound absolutely **CRITICAL** during installation. Failure to follow this step can cause the bracket to loosen under heavy use causing component failure.

The required hardware for assembling and attaching the compressor bracket to your radiator core support is supplied in this kit. Due to the versatile mounting options and varying make/model of compressor compatibility hardware for attaching compressors to the mounting bracket are NOT provided and are the responsibility of the end user to ensure the fasteners used are adequate for the product being installed.

This kit is designed and intended for use on the 3rd Generation Toyota Tacoma pickup truck. (2016-2021 verified). Due to trim level options this bracket may not fit in the intended spot. Before relocating any factory installed options please verify the safety and feasibility of each component on a per case basis.

Installation requires altering the location of the factory horn components. Hardware is provided for this step. You WILL RE-USE THE FACTORY HARDWARE to attach the brackets to the radiator core support. DO NOT DISCARD.

EXPLODED DIAGRAM 3G Tacoma

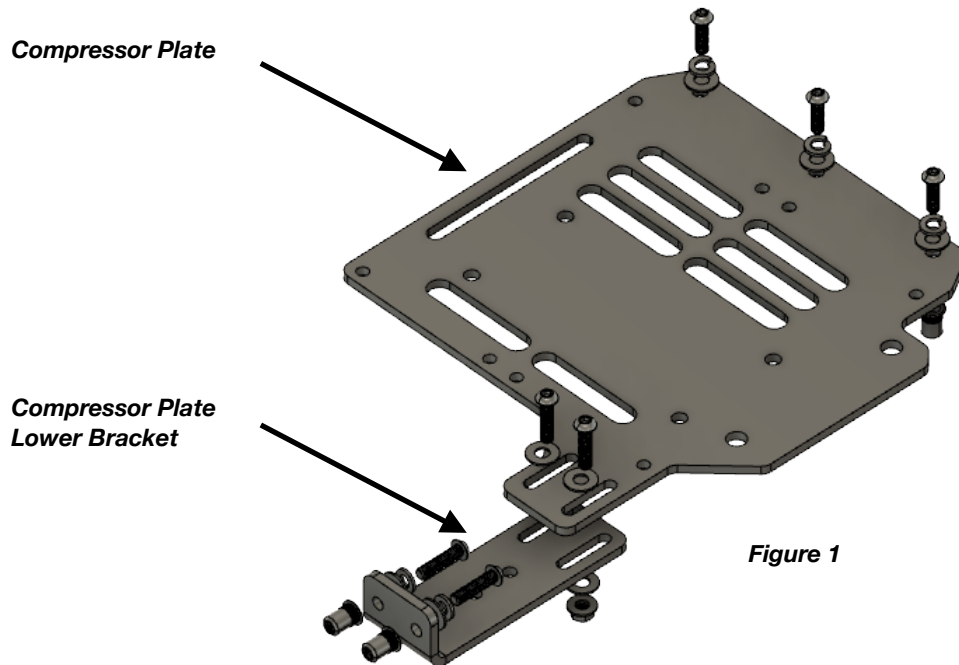


Figure 1

The illustration above shows the two major components of the compressor mount as well as the order of assembly for the hardware.

The product consists of two (2) main components.

Compressor Plate

Compressor Plate Lower Bracket

The general hardware assortment for attaching the **compressor plate** to the truck and mating the **compressor plate lower bracket** uses the same length bolt and will require a **4mm Allen** wrench.

Step One-Grill Removal

To access the area you'll be working in it is required to remove the front grill shroud of your Tacoma. Aftermarket bumpers can impede this process and might require additional steps not covered in this guide.

Open the hood of your Tacoma. This process will require a **trim removal tool** as well as a **10mm socket/ratchet**.



Click the link above to watch a video on how to remove the grill.

NOTE: Special care must be taken when disconnecting the TSS (if equipped) sensor in order to prevent damage to the retaining clips of the sockets. Proceed with caution.

Remove the grill and set aside. Be sure to catalog the hardware and clips for grill re-installation.

Proceed to step 2

Step 2-Compressor plate location alignment

Prior to mounting the compressor(s) to the mounting plate you will use the empty plate as a guide to identify the areas required to drill and install the rivnuts for mounting.



Locate the radiator support tab (highlighted in green) above and align your mounting plate to sit flush with the edge of the support tab. Ensure the plate is level and mark the three (3) holes along the top. These are the locations that will be drilled and rivnuts inserted in the next step.

Illustration shows four (4) mounting holes. Beta version shown. Final production has three (3) holes across the top.

Step 3-Drilling Holes/Installing rivnuts

A specialized tool is preferred for installing the provided plus nuts. Additionally this task can be accomplished with bolt (m6x1.00 55mm length/fully threaded), a nut (m6x1.00) and two (2) m6 washers accompanied by a 10mm wrench.

If no tool is available to you you can source the required hardware at any local store that sells metric hardware.

The two (2) following links are for a rivnut tool available for purchase on Amazon for a fair price and the other is a how-to video for setting a rivnut with the aforementioned bolt/wrench method.

Rivnut tool link (amazon):

https://www.amazon.com/rzx-4-20m10-24-Riveter-Riveting-Setting/dp/B06XVB3MMG/ref=sr_1_13?dchild=1&keywords=rivnut+tool&qid=1611685549&sr=8-13

Rivnut simple setting (video link):



Special care must be taken not to allow the drill bit to penetrate too far into the radiator core support sheet metal. The bit can come into contact with the radiator assembly and cause damage.

Step 4 Compressor Plate attachment

Once you have the three (3) upper rivnuts installed loosely thread the required hardware into all three (3) locations by hand. You do NOT need to fully tighten the hardware as you will be removing the assembly again to perform the final mating of your air compressor(s) to the mounting plate.

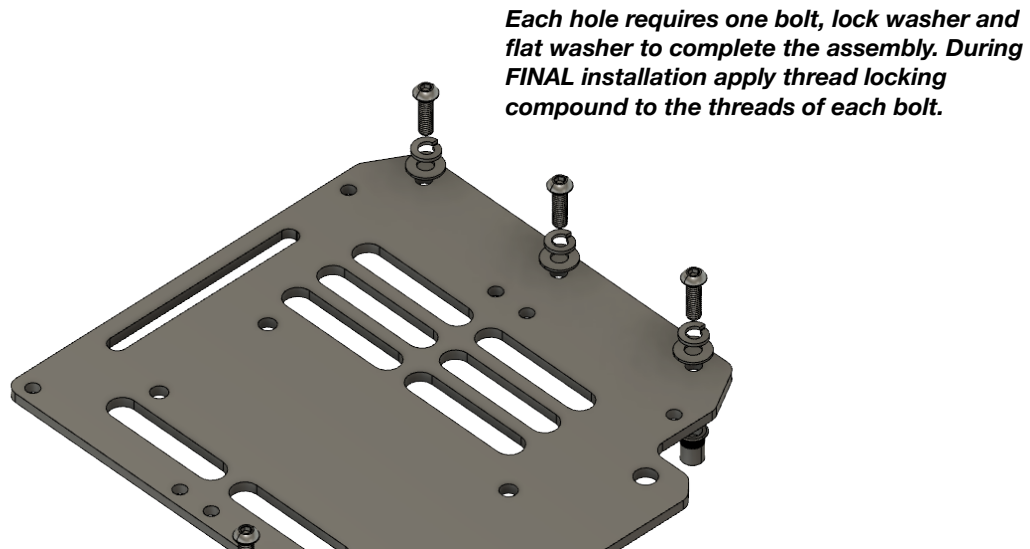


Figure 2

We will be using the compressor plate to locate and mark the holes required for attaching the compressor plate lower bracket to the lower core support of your Tacoma in Step 5.

Step 5-Compressor Plate Lower Bracket alignment.

Loosely attach the lower compressor plate bracket to the compressor plate. The slots in each piece will facilitate the location of mating the two components together. These slots will also provide a bit of adjustability to account for variance in the location of radiator core supports in the 3rd generation Toyota Tacoma found during the beta phase of this project.

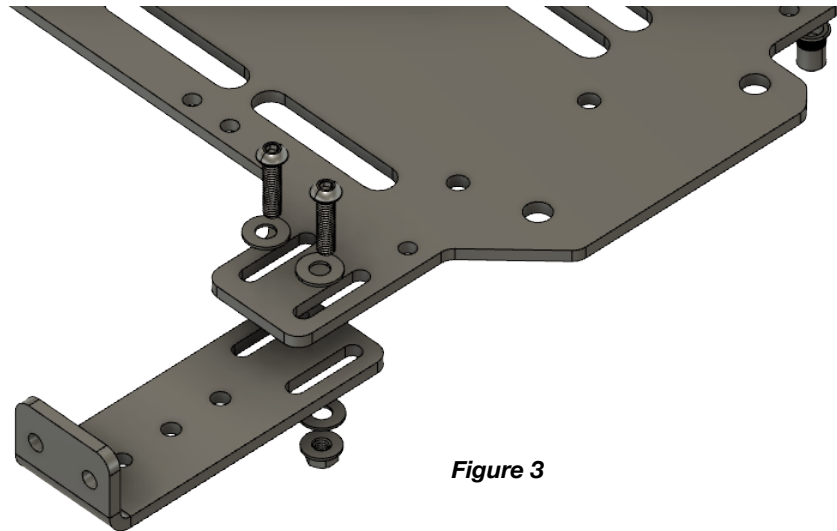


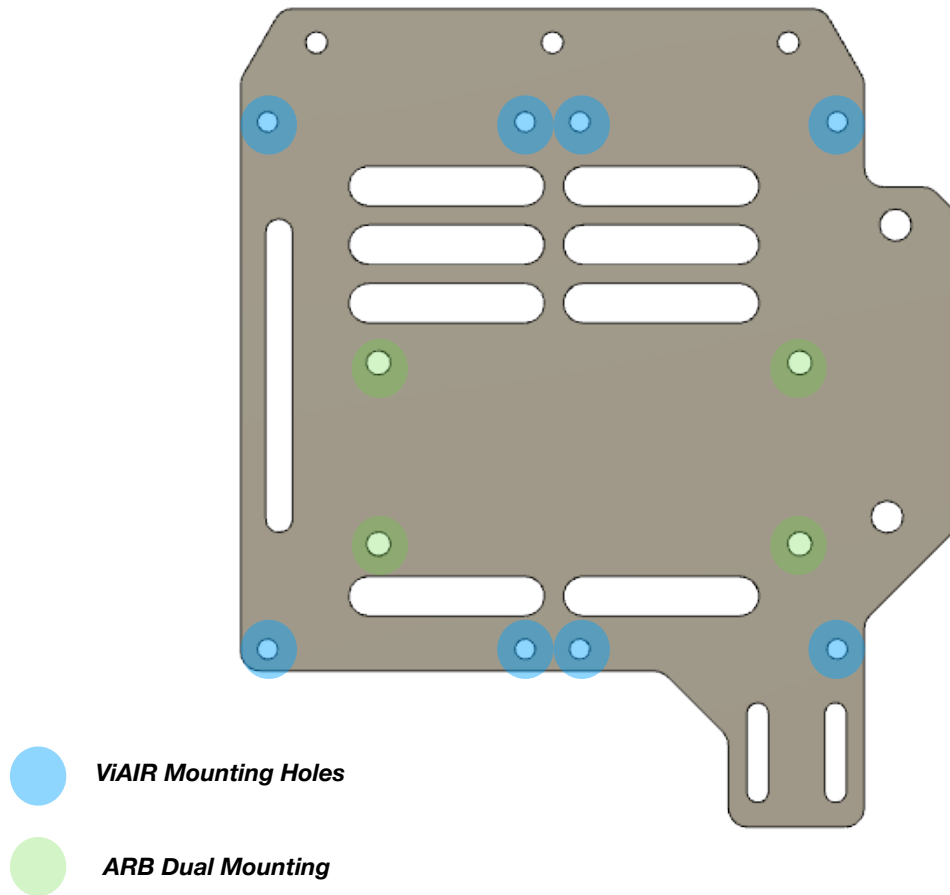
Figure 3

- 1.)Align the slots.
- 2.)Insert and hand thread the bolts, flat washers and flange nuts.
- 3.)Slide the bracket down until the bend flange contacts the skin of the lower radiator core support of your Tacoma.
- 4.)Mark those two holes.
- 5.) Remove the bracket.

Using the marks you just made drill out the two (2) lower holes and install the m6 rivnuts using the same process outlined in Step 3.

Remove the Compressor Plate and prepare to assemble/mount your compressor(s) to the plate.

Step 6-Mounting your compressors.



The compressor plate is pre-machined for the two most popular options for on board air.

If you find that the compressor(s) you are trying to utilize do not align with any of the pre-machined holes the aluminum compressor plate can be easily machined (drilled) to accommodate compressors that aren't covered in the original hole assortment.

Using the appropriate hardware (**NOT SUPPLIED**) attach your compressor(s) to the mounting plate and apply thread locking compound and install the plate back to your Tacoma repeating the process outlined in previous steps. Tighten the hardware to 21 INCH POUNDS.

Attach the compressor plate lower bracket to the compressor plate first and LEAVE LOOSE. Apply thread locking compound and start the threads in the rivnuts you installed in step 5. Once started by hand you can tighten them to 21 INCH POUNDS. Starting by hand will ensure proper alignment and lessen the chance of misalignment or cross-threading your hardware.

STEP 7- (Optional) Horn Relocation Bracket Installation

If you are installing the optional accumulator tank along with your compressor(s) you will need to mount the tank using the holes that are currently used for attaching your horn components to your upper radiator core support.

You will use the supplied brackets to provide a location to mount the accumulator tank. The brackets will bolt into the holes used for the horn components. The accumulator tank will attach to the brackets and the factory horn components will attach to those same brackets in the slots at the bottom. This method doesn't require the factory plugs for the horn connection to be lengthened.

Locate and remove the two (2) factory bolts securing each of the horn assemblies. **RETAIN THESE BOLTS.** They will be reused.

Attach the two (2) provided slide brackets into place and reattach to the core support with the factory bolts.



The hole will be used at the location of the factory bolt hole. The slide will be used for attaching the accumulator and factory horn components. In our provided pictures we used the same bolt to attach the accumulator and horn by sliding one on top of the other..



Step 8

Wiring and plumbing can be completed at this stage. Follow the manufacturers recommended guidelines for proper wiring requirements.

- ALWAYS use an appropriate fuse between aftermarket electronics and the battery.
- NEVER use an aftermarket electronic device that exceeds the current capability of your factory charging system.
- Route air lines and plastic components AWAY from heat sources and moving parts.
- Route Electrical wiring components AWAY from heat sources and moving parts.
- ALWAYS use a cable gland when passing plumb lines or electrical wiring through metal bulk heads.
- Maintain the system regularly. Drain lines and tanks when not in use to prevent rust and line degradation.
- NEVER store compressed air in unapproved containers or vessels.
- Periodically inspect the systems major and minor components to ensure proper working order.
- It is the responsibility of the end user to ensure that all electrical and plumbing connections are secure, properly fused and terminated.