



# Instructions

**4RG-1000 - 6TH GEN 4RUNNER  
MASS PLATFORM - NON-HYBRID**

---

Thank you for purchasing your 6th Gen 4Runner MASS Platform from AAL! We greatly appreciate your trust in our company. We take that purchase and your commitment to us very seriously. If you have any questions along the way, please don't hesitate to give us a call at 385.202.4188.

**\*\*Please read these instructions thoroughly before starting this project.\*\***



**NOTE: The product is designed specifically for the Non-Hybrid 4Runner and will NOT work with Hybrid models!**

## Tools Required:

There is more than one tool for every job, but below is the list of tools we use for this installation.

- 14mm Socket/Wrench
- 10mm Socket/Wrench
- Impact or Ratchet
- Flathead Screwdriver
- M8 Allen Socket/Wrench
- M4 Allen Socket/Wrench
- 10mm Wrench
- Phillips Head Screwdriver (Removable Access Doors)
- M3 Allen Socket/Wrench (Fixed Access Doors)
- Panel Pry Tool
- Medium Strength Threadlocker

## What's included:

M10x20-1.25 Socket Head Bolts	6	M6 Nylock Nuts	24
M6x14 Button Head Bolts	22	M6 Flat Washer	1
M6x8 Flat Head Bolts	58		

**\*\* Additional hardware included depending on the chosen Access Door option.\*\***

## Fixed Access Doors:

M5x12 Flat Head Bolts	16
-----------------------	----

## Removable Access Doors:

Push Button Cam Latch (Locking)	2
---------------------------------	---



## **Step 1 - Teardown and Prep**

Using a Flathead screwdriver, 10mm socket, 14mm socket, and panel pry tool, remove the factory cargo floor board, side plastic trim, and forward floor support brackets. Save the hardware and parts if you'd like, but you won't be needing them for this install! Your 4Runner cargo area should look as shown in **Image 1**. You will also need to remove the wiring retainer from its stud on the left rear portion of the cargo area (Indicated by an arrow in Image 1.) Look at all that hidden storage!

**Image 1**



One last thing! Remove the threaded hole cover stickers in the locations indicated in **Image 2**.

**Image 2**

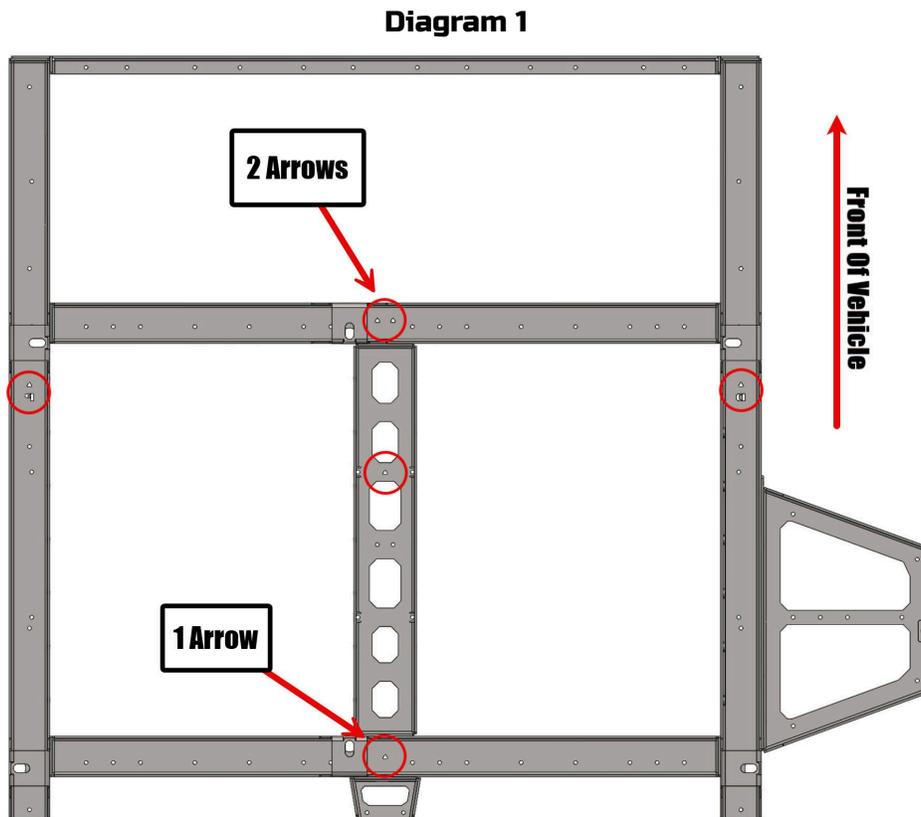


## **Step 2 - Platform Frame Assembly**

Now that everything has been removed, it's time to assemble the platform frame assembly.

First, clear a suitable flat surface and lay out all of the rail components. We typically clear a spot on the shop floor. We will preassemble the platform frame before installing it into the 4Runner, and we need to make sure that the platform mounting face is completely flat and on the same plane.

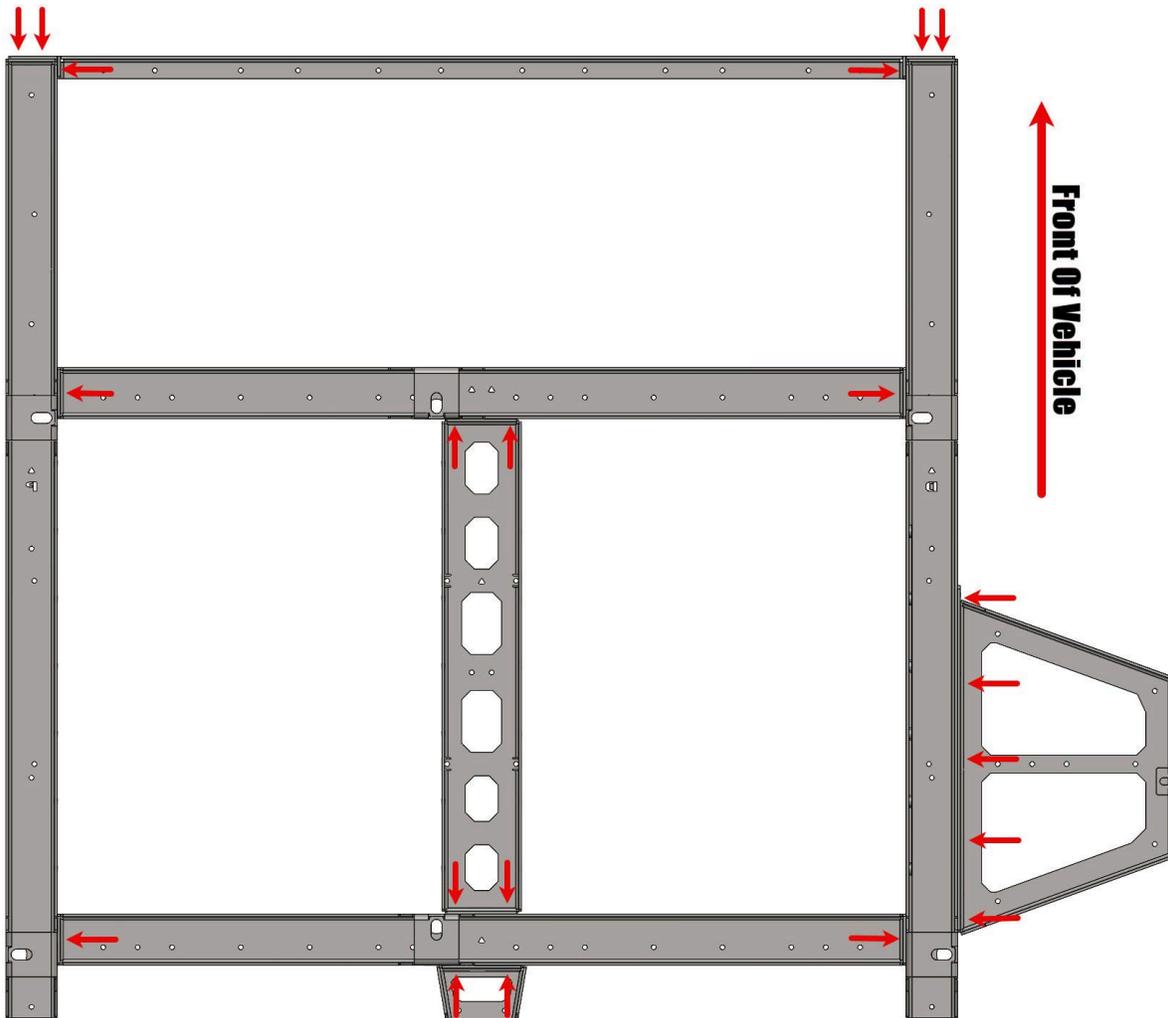
Next, lay out and position the platform frame components **upside down** (the faces with the threaded holes go downward) as shown in **Diagram 1**. The main rails are marked with "D" and "P", and all arrows will point toward the front of the vehicle as indicated in the diagram. **Note:** The horizontal rails have arrows cut in them to indicate their position.



Next, using (21) M6x14 button head bolts, and nylock nuts, fasten the rails together and tighten making sure the rails stay flat to the ground when tightening. See **Diagram 2** for bolt locations. **Note:** If you install the bolts from the direction indicated, it will be much easier to tighten them.



Diagram 2



### **Step 3 - Platform Frame Installation**

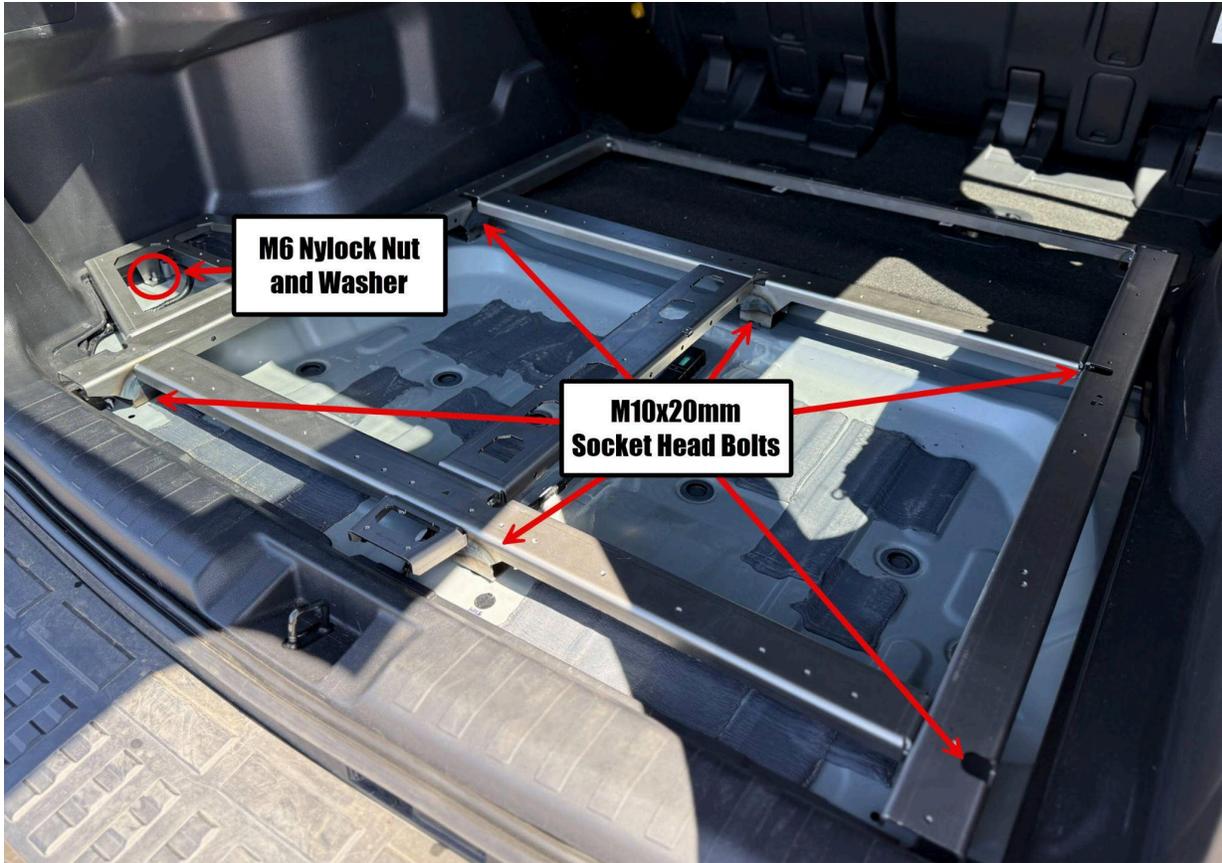
After assembling the framework, it's time to install it into the 4Runner. Carefully bring the platform frame in through the back of the 4Runner. **Note:** You'll have to bring it in at an angle, and be careful not to damage any of the plastics. This may be easier with a helper.

Next, set the frame in place, making sure to align it with the factory stud from which we previously removed the wiring retainer.

Finally, fasten the platform frame to the 4Runner using (1)M6 nylock nut and washer, and (6)M10x20 socket head bolts in the locations indicated in **Image 3**. **Note:** Due to the variance in vehicle tolerances, you may have to use a screwdriver or alignment punch to move the frame around to help align the bolts.

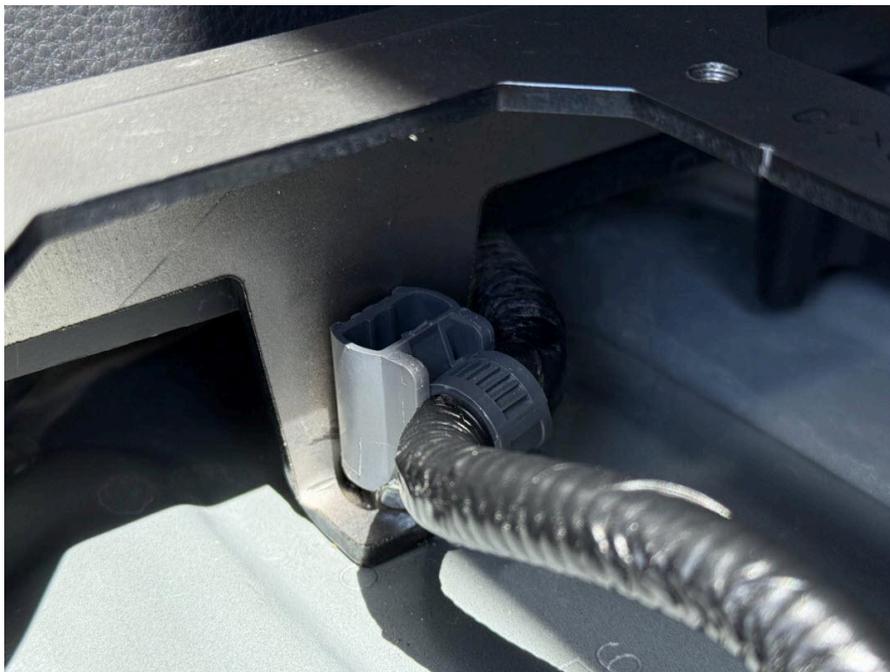


**Image 3**



Once the frame has been installed, you can reinstall the wiring retainer on its stud as shown in **Image 4**.

**Image 4**



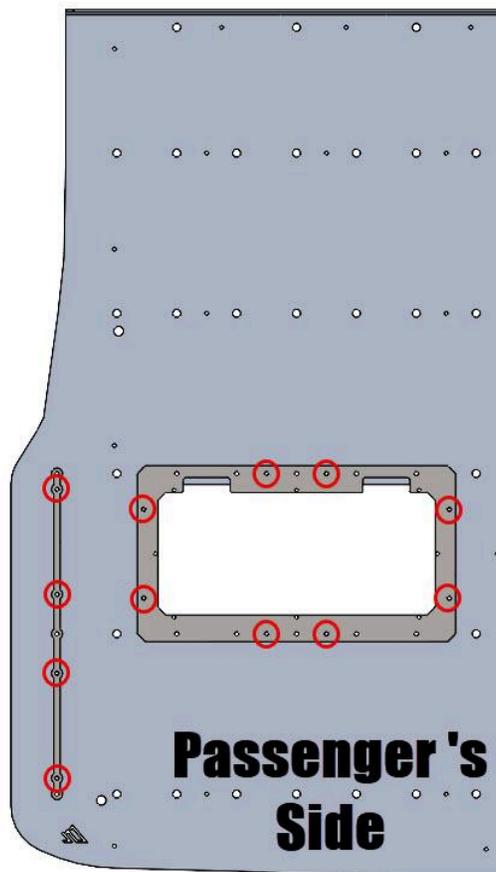
## **Step 4 - Platform Assembly**

We can now preassemble the platform panels.

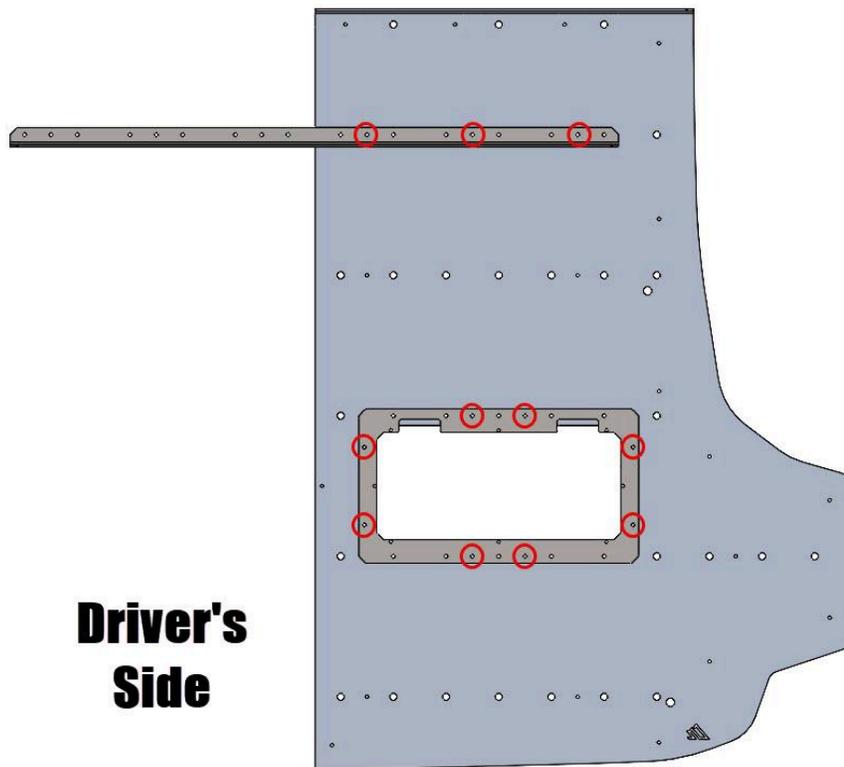
Attach nut plates and access door bezels using (23) M6x8 flat head bolts as shown in **Diagrams 3&4**.

**Note:** The diagrams show the assemblies from the bottom side. The nut plates will live under the platform surface and bolts will be installed from the top (countersunk side). Make sure to position the access door bezels with notches oriented as shown. Make sure all bolts are started before tightening. *We strongly recommend applying a medium duty threadlocker to all panel hardware.*

**Diagram 3**



**Diagram 4**



## **Step 5 - Platform Panel Installation**

Finally! It's time to install the panels into the 4Runner!

***\*\*If you purchased our Accessory Trays, you'll need to install them now using their instruction manual. Once installed and your accessories are wired/plumbed, you can return to this step!\*\****

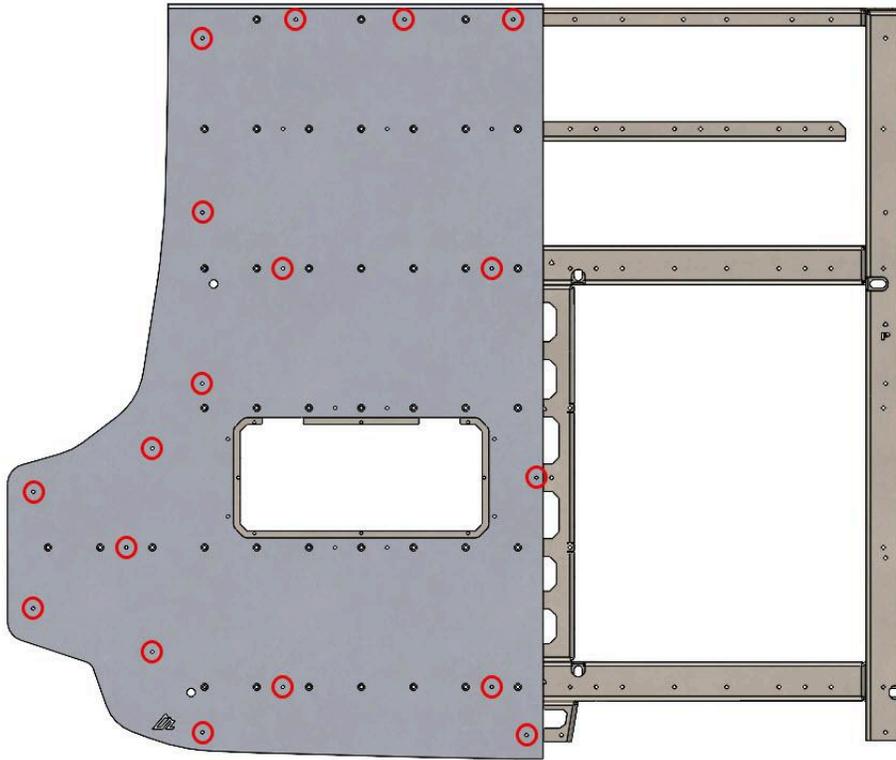
Starting with the driver's side, bring the panel assembly into the 4Runner and position it on top of the previously installed framework. Loosely start (18) M6x8 flat head bolts in locations shown in **Diagram 5**.

Then, repeat the process with the passenger side panel assembly and loosely start (16) M6x8 flat head bolts in the locations shown in **Diagram 6**.

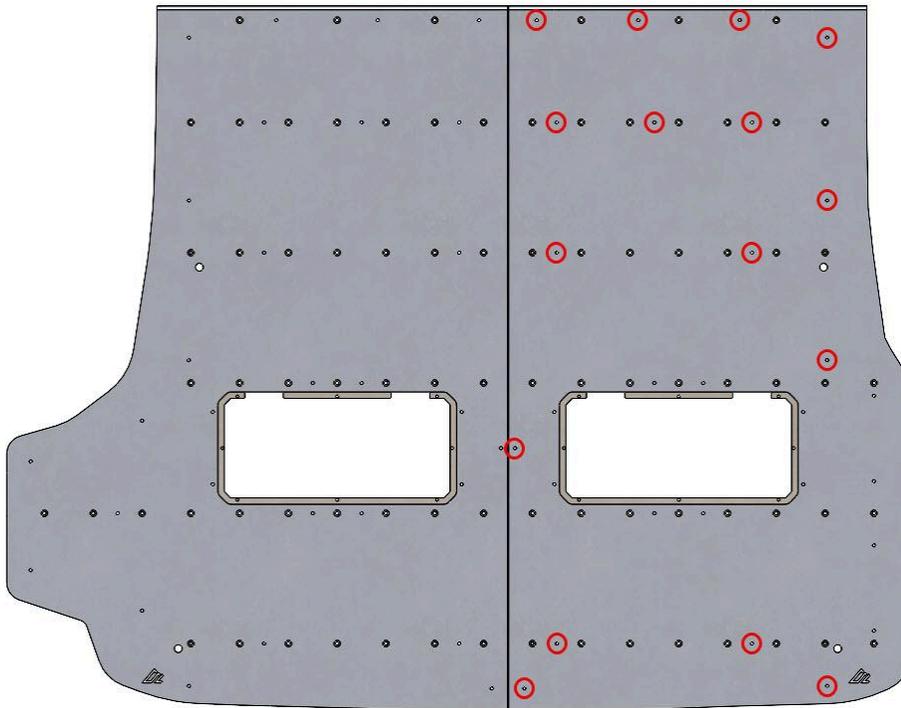
Lastly, once all bolts are started, they can be tightened. *We strongly recommend applying a medium duty threadlocker to all panel hardware.*



**Diagram 5**



**Diagram 6**



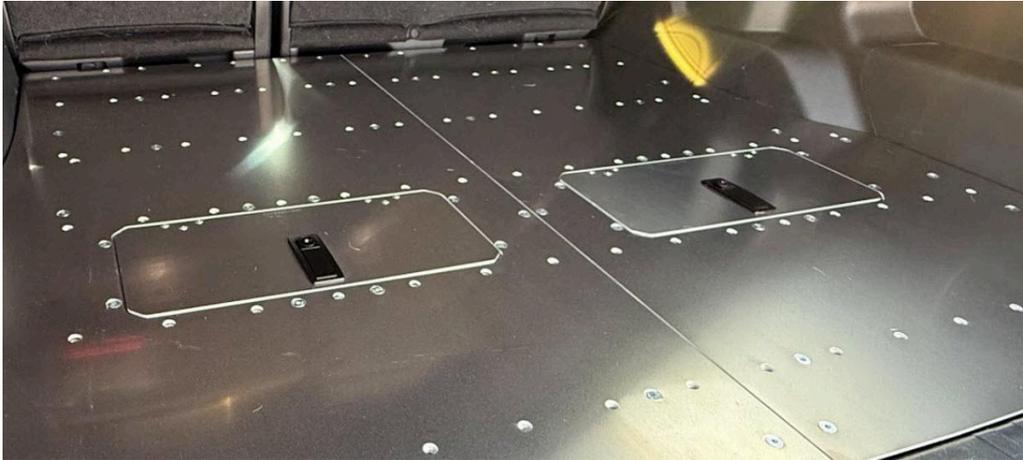
## **Step 6 - Access Doors**

### **Removable Access Doors:**

If you chose the removable access door option, you can now install the latches into the access doors (If not already installed by us) using a philips head screwdriver.

Next, you can install them into your platform as shown in **Image 5** and adjust the latch using an 8mm wrench.

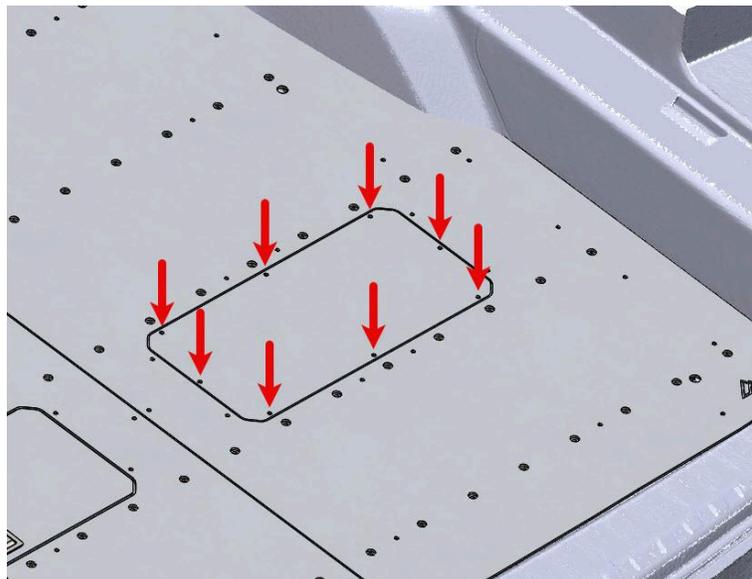
**Image 5**



### **Fixed Access Doors:**

If you chose the fixed access door option, you can install them now using the supplied (16)M5x12 flat head bolts in the locations shown in Diagram 7. We strongly recommend applying a medium duty threadlocker.

**Diagram 7**



## **Step7: Share Your Photos**

We take great pride in building our products and we hope that pride extends to you after installing your 6th Gen 4Runner MASS Platform. If you are able to share your photos online (Facebook and Instagram), please tag **@AmericanAdventureLab**. We would love to see how it turned out and give you some reciprocal attention in return!

**Congrats! You're all done!**

**Thank you!**

**At American Adventure Lab, we strive to improve anywhere we can. If you experience any issues with this product or have any suggestions, please let us know.**

**If you have any questions or concerns, please don't hesitate to reach out to us at 385.202.4188 or via email at [Support@erp.adventurelab.com](mailto:Support@erp.adventurelab.com).**

