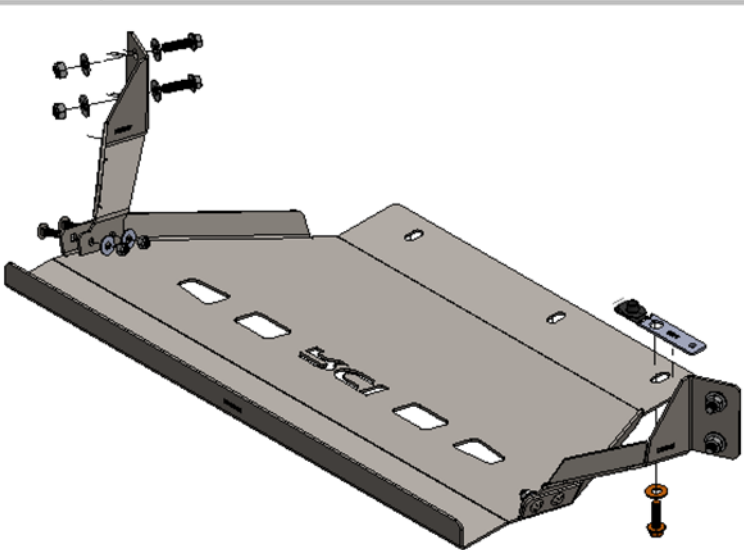


RCI 19+ RAM 1500 Engine Skid Plate Install Guide

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	.135MS .25AL Ram 1500 Engine R1		1
2	.135MS Ram 1500 Engine Mount R1	1 Pair	1
3	Mounting Plate #1 .135MS R1	Hardware (RCI)	1
4	M10 Speed Clip	M10 Speed Clip	1
5	M10 X 35mm Flanged Bolt	Hardware	7
6	M10 Nylock Nut	Hardware	4
7	3/8 Washer	Hardware	11
8	5/16" Steel Flat Washer	Hardware	4
9	5/16"- Nyloc Nut	Hardware	4
10	5/16 X 1 Carriage Bolt	Hardware	4



A	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±0.010 ANGULAR: BEND ±0.5 TWO PLACE DECIMAL ±0.015 THREE PLACE DECIMAL ±0.010	DRAWN KL 7/12/23	NAME HITech	DATE	RCI OFFROAD TITLE: Ram 1500 Engine - Shipping	
	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RCI Offroad. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RCI Offroad IS PROHIBITED.	Export Date 7/19/2023	Item Number BOM	Sku		
			DO NOT SCALE DRAWING	SCALE: 1:6	WEIGHT:	SHEET 1 OF 11

INSTALLATION STEPS:

****Use hand tools, impact wrenches may cause damage if over torqued.****

- 1) Begin by unpacking and removing all components and hardware. Please verify that all hardware and mounting components are present. Reference your original order invoice and verify all items are accounted for.
- 2) If applicable, remove the factory dynamic air dam and engine skid plate.
- 3) Loosely secure the engine skid plate mounts to the engine skid plate using the four(4) included 3/8" carriage bolts, washers, and nuts.
 - a. The engine skid plate mounts should face out and towards the rear.
- 4) Lift the engine skid plate and engine skid plate mount assembly up to the vehicle just forward of the front-most crossmember.
 - a. Ensure that the engine skid mounts are touching the rear of the vertical members as shown.

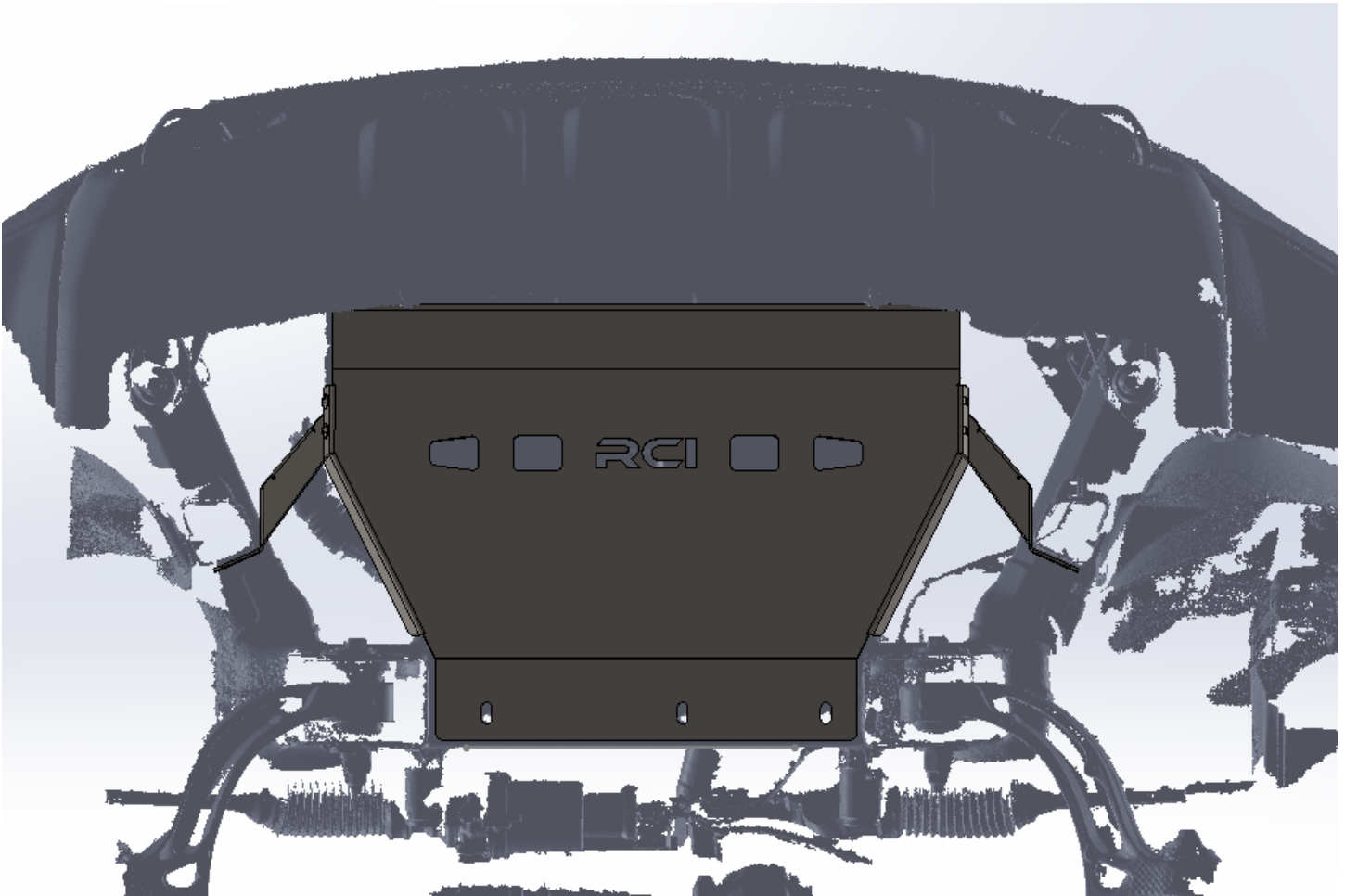


Fig 1. Bottom view showing install orientation and location

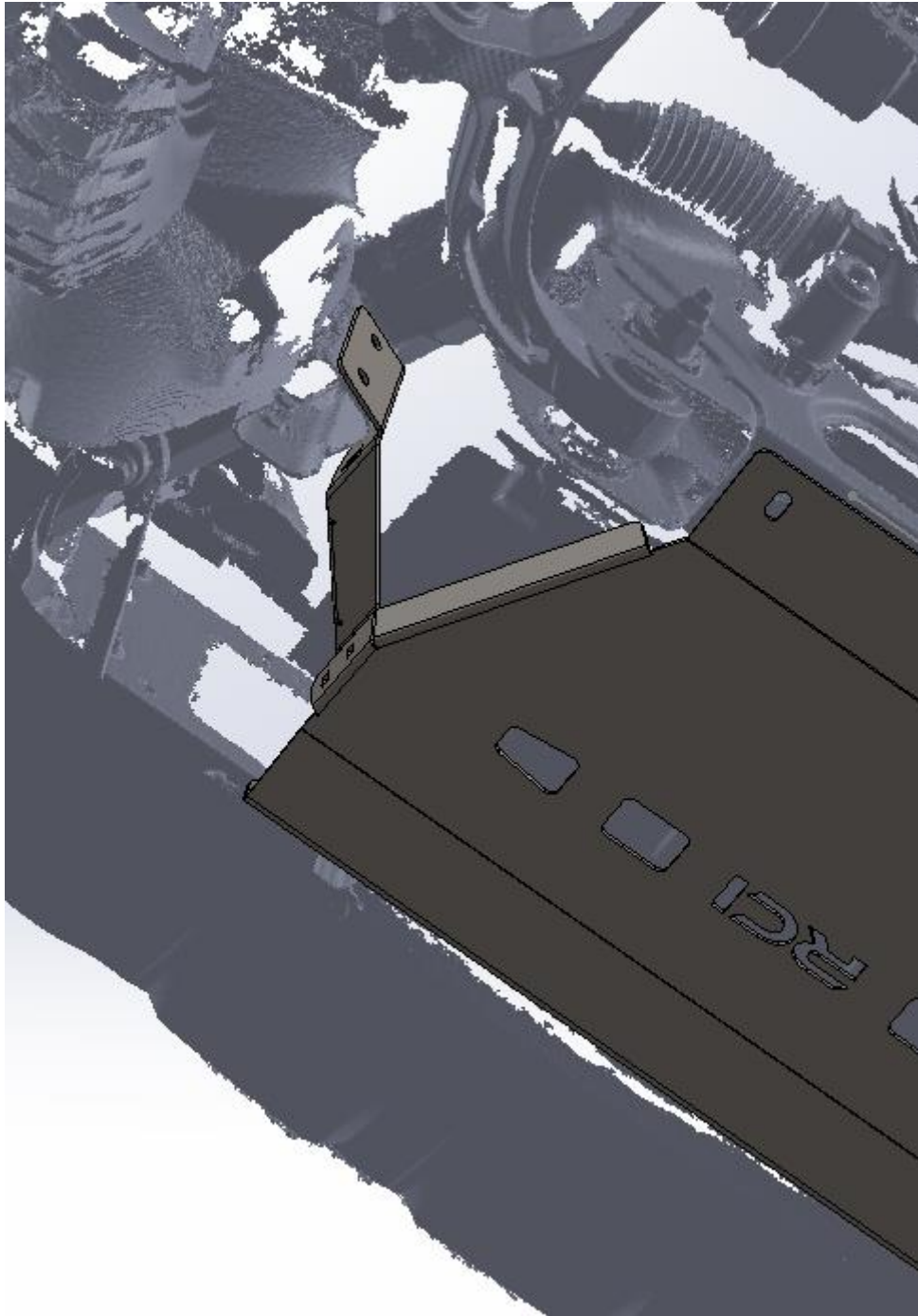


Fig 2. Bottom view showing install orientation and location of skid plate mounts to vehicle vertical members.

- 5) Loosely secure the skid plate to the crossmember by installing two(2) of the included M10 bolts and 3/8" washers in the two mounting points on the passenger side.

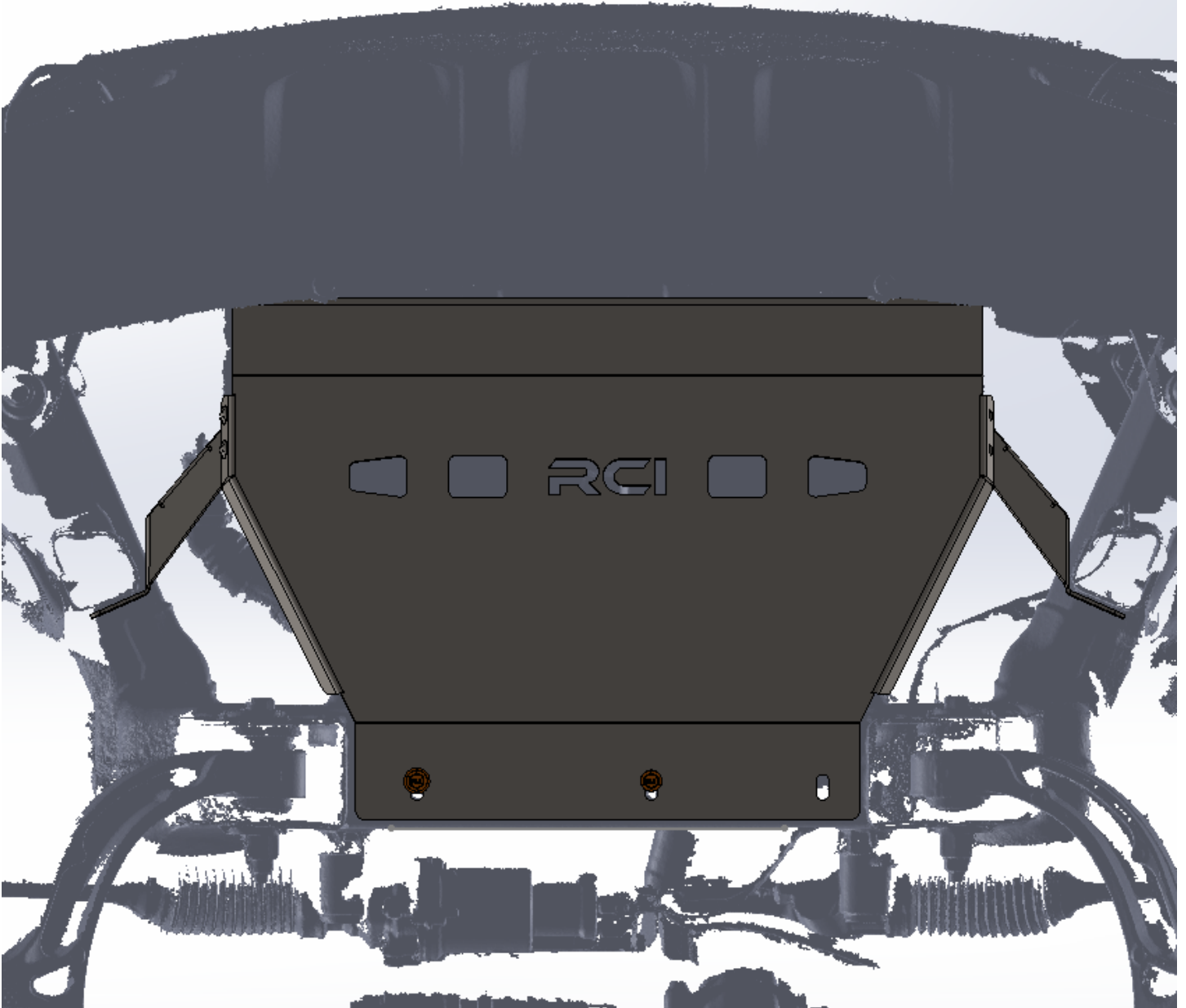


Fig 3. Bottom view showing mounting locations.

- 6) Reach through the opening in the rear of the crossmember to insert the MP1 and M10 speed clip assembly. Use one(1) of the included M10 bolts, 3/8" washer, and MP1 assembly to loosely secure the final mounting point at the rear of the engine skid plate.



Fig 4. Arrow indicates crossmember opening

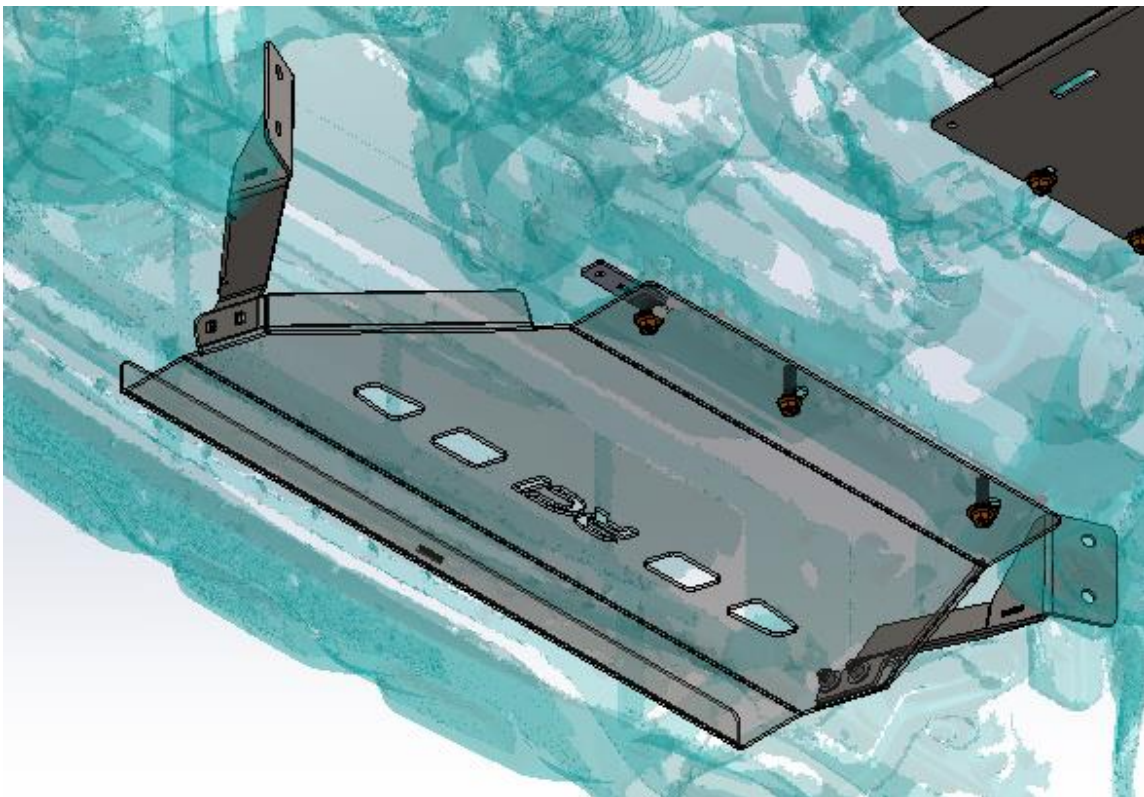


Fig 5. View from bottom-driver side showing MP1 location

- 7) Secure the skid plate mounts to the vertical members using the remaining included M10 bolt, 3/8 washers, and M10 nuts through the slots in the rear of the vertical member.
- 8) Lift the secondary skid plate up to the vehicle frame and slide it forward between the engine skid plate and the vehicle crossmember.

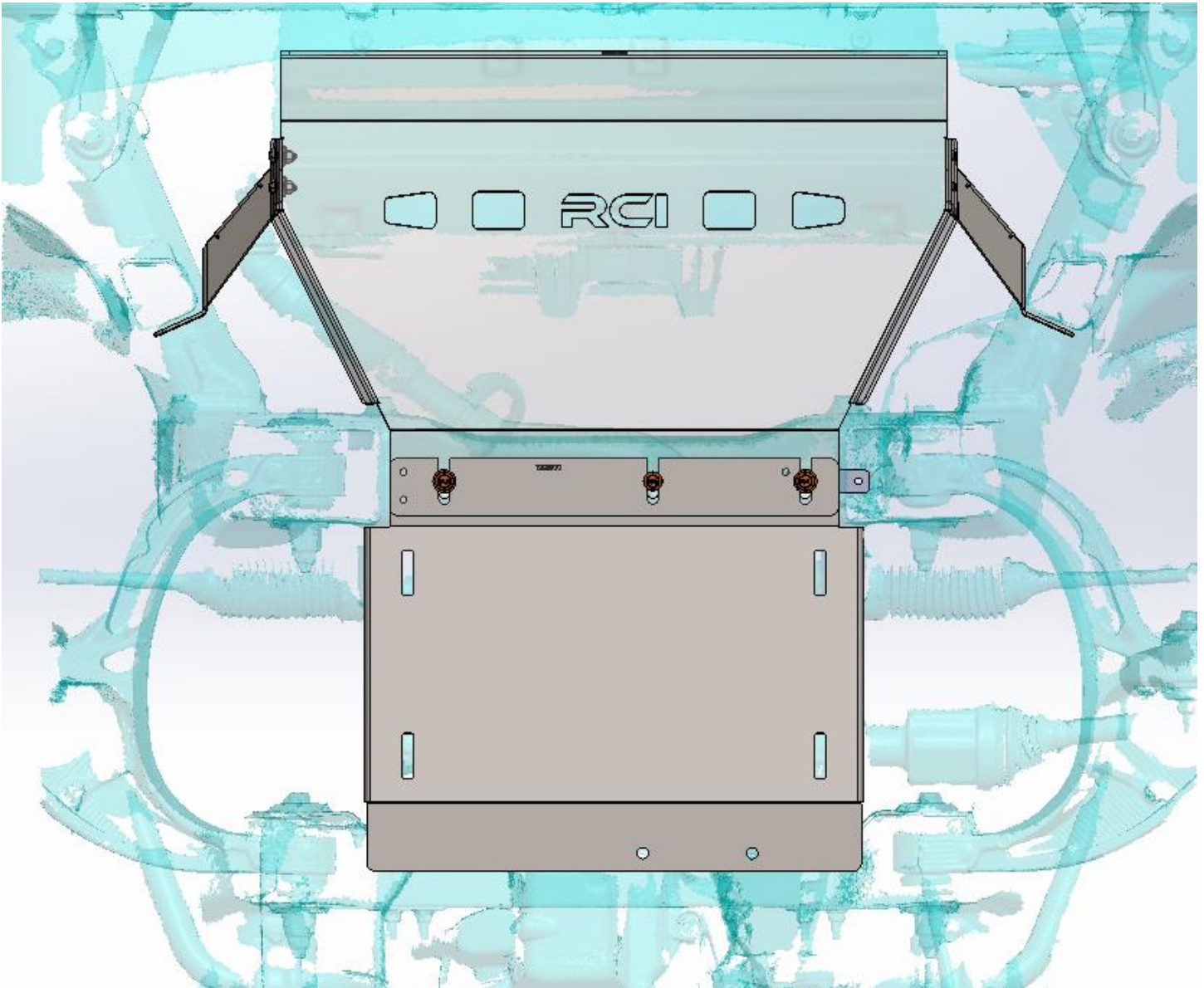


Fig 6. Bottom view showing secondary skid location and orientation

- 9) Align the secondary skid plate to the secondary vehicle crossmember and loosely secure the secondary skid plate to the vehicle with the use of two(2) sets of M10 bolts and 3/8" washers.

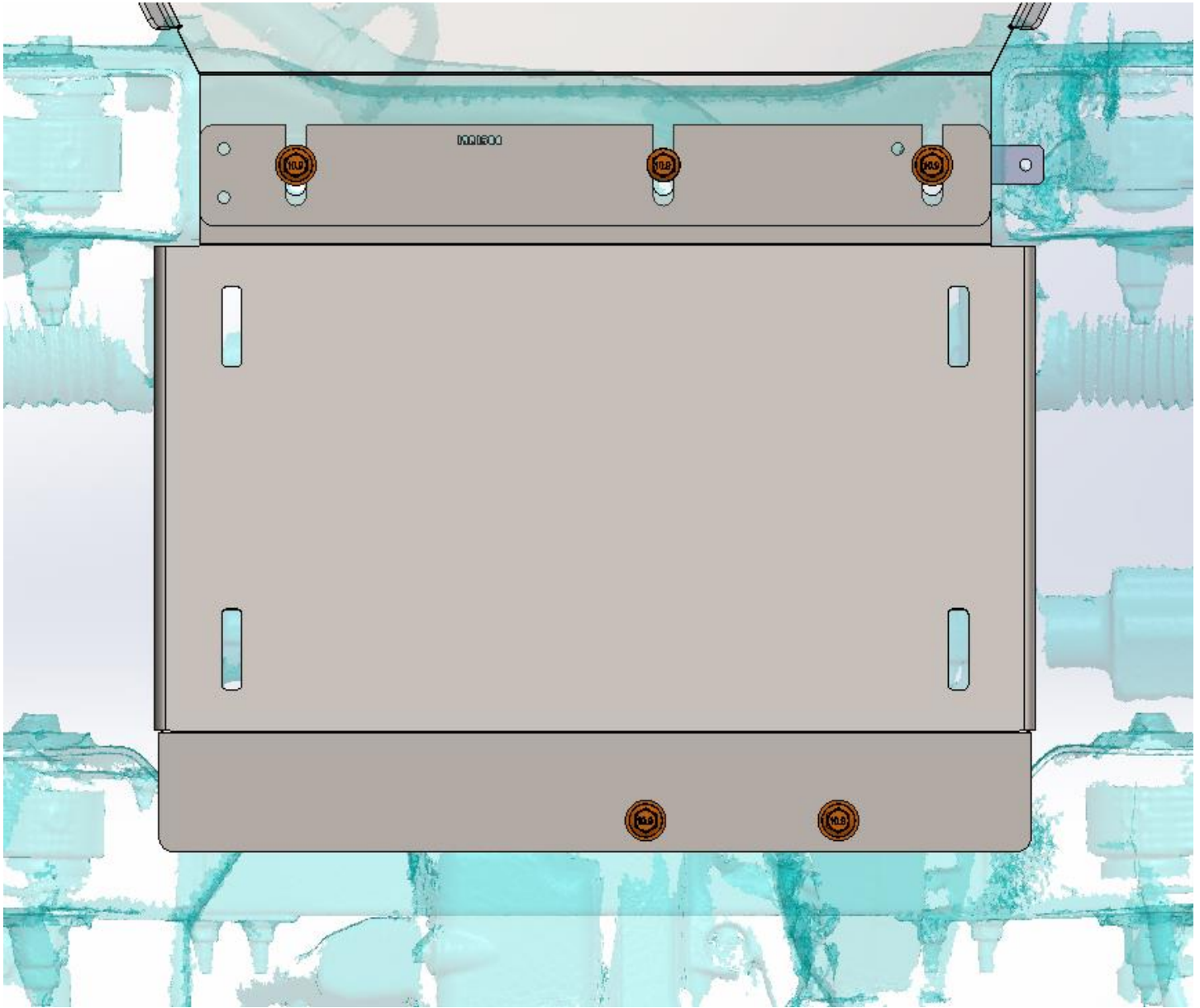


Fig 7. Bottom view showing secondary skid plate mounting locations

- 10) Tighten all hardware.
 - a. If installing the RCI transmission skid plate, leave the two bolts from step 9 loose.



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