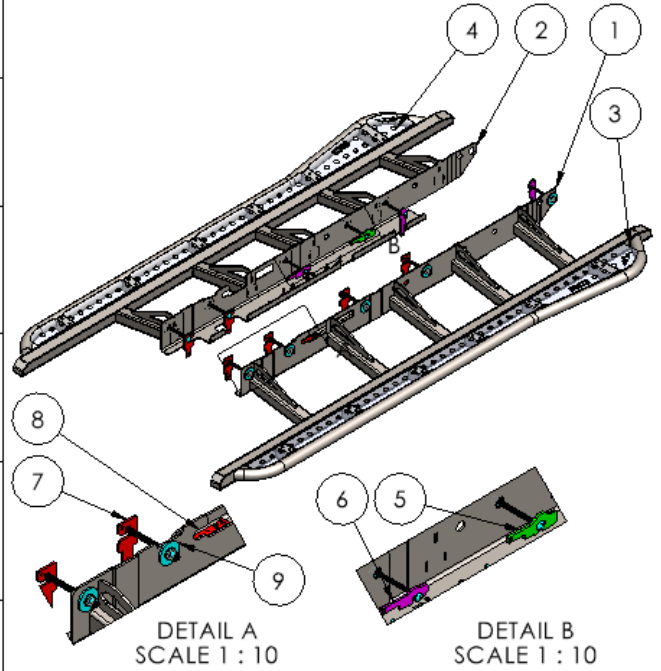


RCI 22+ TOYOTA TUNDRA LONG BED ROCK SLIDER INSTALLATION GUIDE

****This install guide is applicable to our 22+ Toyota Tundra CrewMax Long Bed Rock Slider ONLY****

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SM-00032 (D)	22+ Tundra Slider CrewMax Frame Plate DVR	1
2	SM-00033 (P)	22+ Tundra Slider CrewMax Frame Plate PASS	1
3	SM-00041 (D)	22+ Tundra Slider TreadPlate - Driver	1
4	SM-00042 (P)	22+ Tundra Slider TreadPlate - Passenger	1
5	HW-00004	3/8 Carriage Bolt Plate	2
6	HW-00005	5/16 Carriage Bolt Plate	3
7	HW-00006	7/16 Carriage Bolt Plate	6
8	SM-000178	Tundra Slider Frame Bolt Plate	2
9	HK-00069	22+ Tundra CMLB Slider Hardware Kit	1

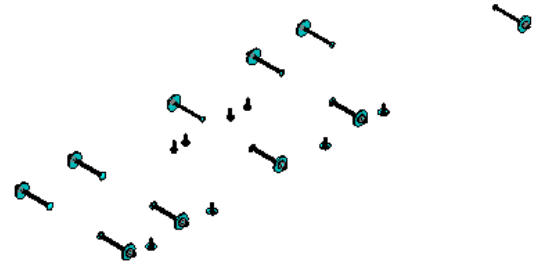


UNLESS OTHERWISE SPECIFIED:	PROPRIETARY AND CONFIDENTIAL	NAME	DATE
DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± 0.010 ANGULAR: BEND ± 0.5 TWO PLACE DECIMAL ± 0.015 THREE PLACE DECIMAL ± 0.010	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RCI Offroad. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RCI Offroad IS PROHIBITED.	DRAWN KL	11/8/23
		Export Date	
		11/8/2023	
RCI OFFROAD			
TITLE: 22+ Tundra CMLB Slider Assembly R1 - Ship Shipping			
Item Number FG-00009		REV 1	
DO NOT SCALE DRAWING	SCALE: 1:20	WEIGHT:	SHEET 1 OF 23

This installation is physically demanding and time intensive. It is highly recommended to recruit a friend or family member to assist in this installation and plan to spend 2-4 hours installing the sliders.

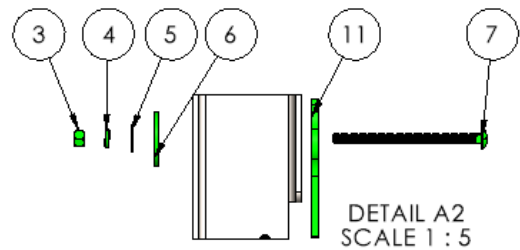
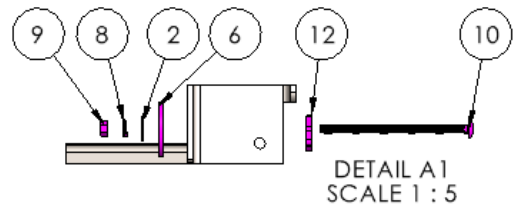
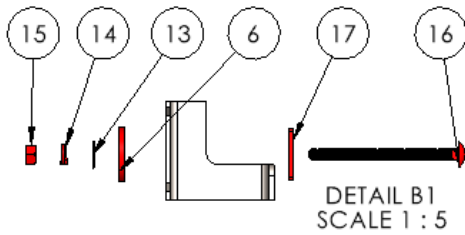
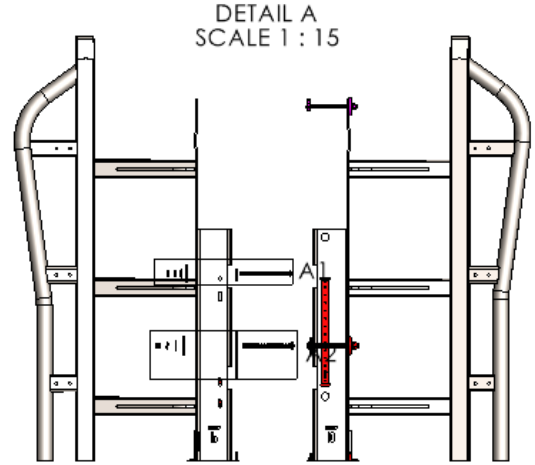
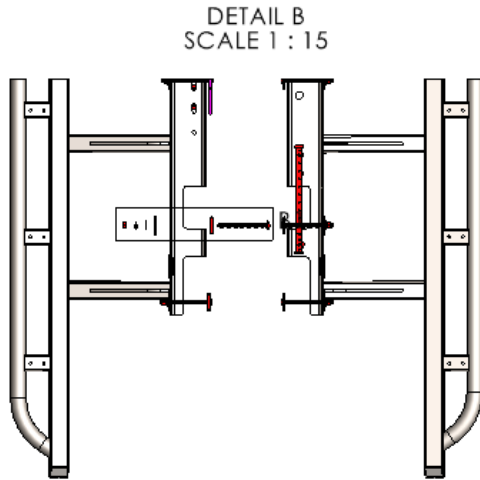
INCLUDED HARDWARE:

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	HW-00025	M8 X 30 X 1.25	8
2	HW-00037	5/16" Steel Flat Washer	7
3	HW-00042	3/8 x 5.5" Carriage Bolt	2
4	HW-00043	5/16 x 5.5" Carriage Bolt	3
5	HW-00044	7/16" Flat Washer	6
6	HW-00045	7/16" Split Lock Washer	6
7	HW-00047	7/16" Hex Nut	6
8	HW-00049	7/16 x 5.5" Carriage Bolt	6
9	HW-00028	Full Moon Spacer	11
10	HW-00039	5/16 Nut	3
11	HW-00040	5/16 Split Washer	3
12	HW-00030	3/8" Hex Nut	2
13	HW-00029	3/8 Split Washer	2
14	HW-00026	3/8 Washer	2
15	HW-00048	5/16 x 1.25" Flat Washer	4
16	HW-00051	40in Length Guide Wire	1
17	HW-00050	40in Length String	6



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		Export Date		
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TITLE:				
22+ Tundra CM Slider Hardware Kit - HK-00069				
Item Number			REV	
HK-00069			1	
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HARDWARE SUBASSEMBLIES:



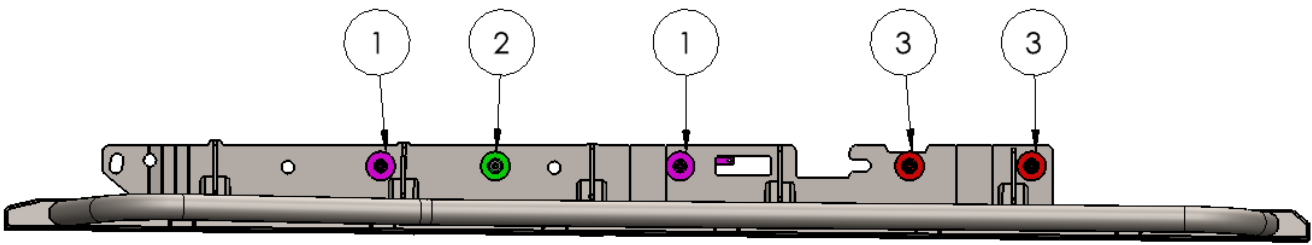
This install guide may refer to various hardware subassemblies. Please refer to the above figure for clarification if necessary.

- Detail A1 – 5/16" frame plate carriage bolt hardware order:
 - 5/16" x 5.5" bolt > 5/16" carriage bolt plate > vehicle frame > slider frame plate > "full moon" washer > 5/16" flat washer > 5/16" split lock washer > 5/16" nut
- Detail A2 – 3/8" frame plate carriage bolt hardware order:
 - 3/8" x 5.5" bolt > 3/8" carriage bolt plate > vehicle frame > slider frame plate > "full moon" washer > 3/8" flat washer > 3/8" split lock washer > 3/8" nut
- Detail B1 – 7/16" frame plate carriage bolt hardware order:
 - 7/16" x 5.5" bolt > 7/16" carriage bolt plate > vehicle frame > slider frame plate > "full moon" washer > 7/16" flat washer > 7/16" split lock washer > 7/16" nut

Hardware Order

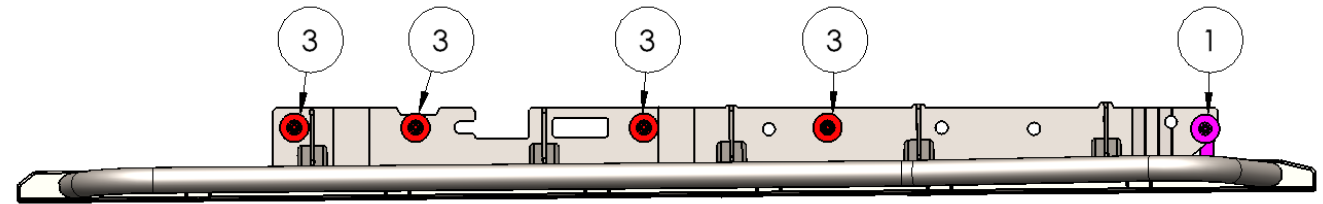
****Before beginning installation, please take note of hardware order for each side of the slider. The slider hardware is not the same between the two sides and some of the frame plate mounting holes will not be utilized for this install.****

Passenger Side Slider	
Callout	Hardware Size
1	5/16"
2	3/8"
3	7/16"



Driver Side Slider	
Callout	Hardware Size
1	5/16"
2	3/8"
3	7/16"

#2(2)



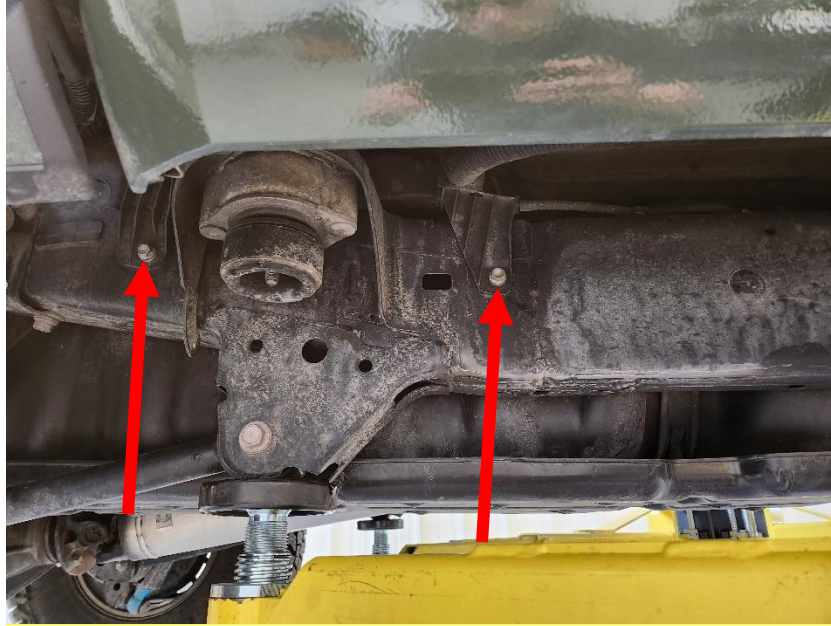
INSTALLATION STEPS:

****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, components, and mounting components are present. Please reference your original order invoice and verify all items are accounted for.**
- 2. On the passenger side of the vehicle frame, remove all hardware/accessories that may interfere with the slider installation.**
 - a. M8 Bolt securing a grounding wire approximately 2/3rd of the way back from the front of the front door on the passenger side of the vehicle.**



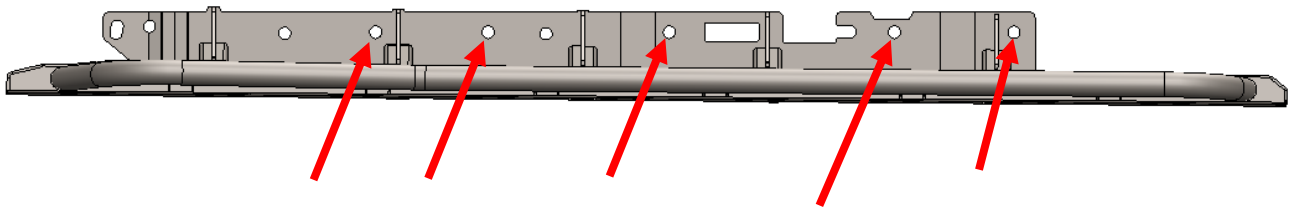
- b. M8 bolt securing a plastic wire harness mount approximately in line with the back of the rear door.**
 - i. While not strictly necessary, there is another M8 bolt securing another plastic wire harness mount behind the rearmost cab mount that can be removed at this time. Removing this bolt now will allow the front wire harness mount to move more freely when installing the slider.**

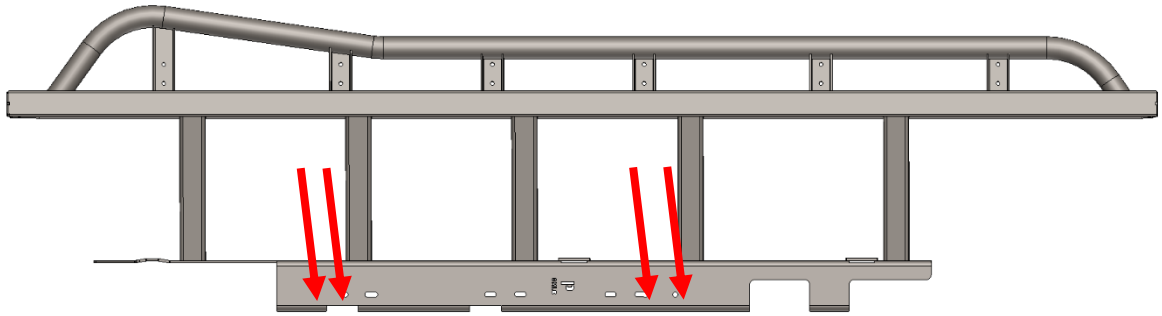


c. The plastic caps along the inside and outside of the frame must be removed before starting this installation.

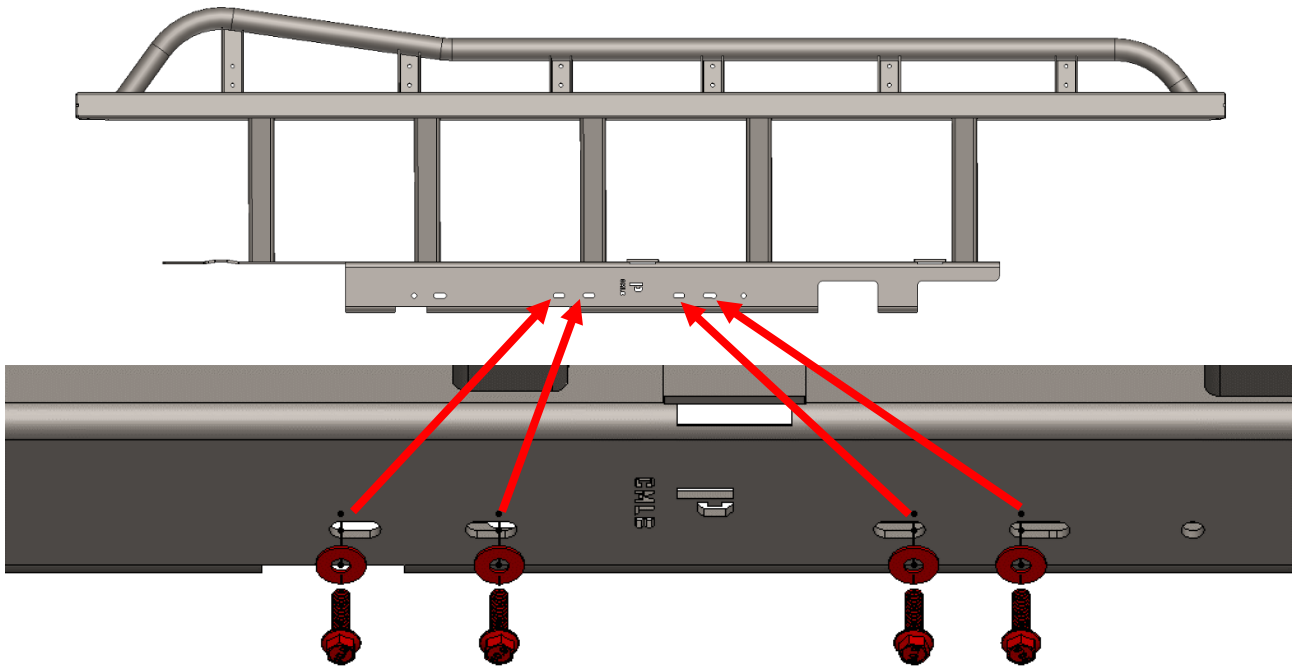
3. Identify the passenger side slider and lift it up to the frame on the passenger side of the vehicle.
 - a. Use of a floor jack or similar equipment will make this process significantly easier.
 - b. Take special care to avoid pinching the front grounding wire, its mounting clip, the plastic wire harness mount, and/or any other frame-mounted wires and lines.
 - c. The plastic wire harness mount should sit on the outside of the slider frame plate, NOT between the frame and the slider frame plate.

4. Align the holes in the slider frame plate with the holes in the vehicle frame. For the passenger side, we are primarily concerned with these holes aligning with those on the vehicle:

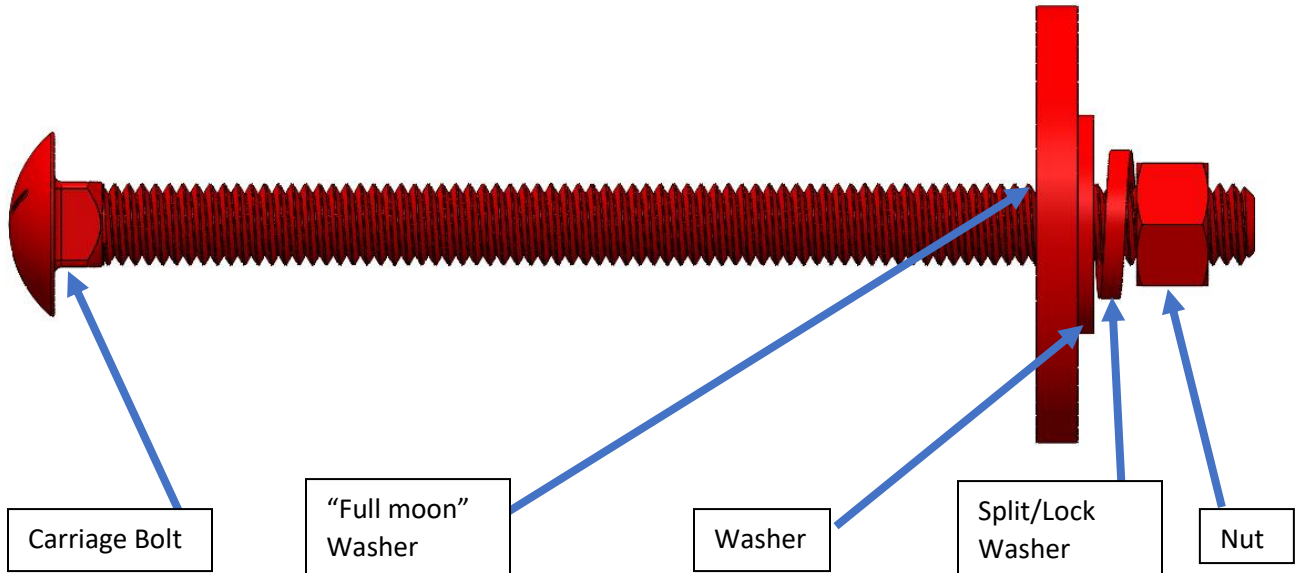




5. With the holes aligned, install four (4) M8 bolts with four (4) 5/16 washers in the four mounting locations on the bottom of the slider frame plate.



6. Collect the listed hardware and create the following assemblies:

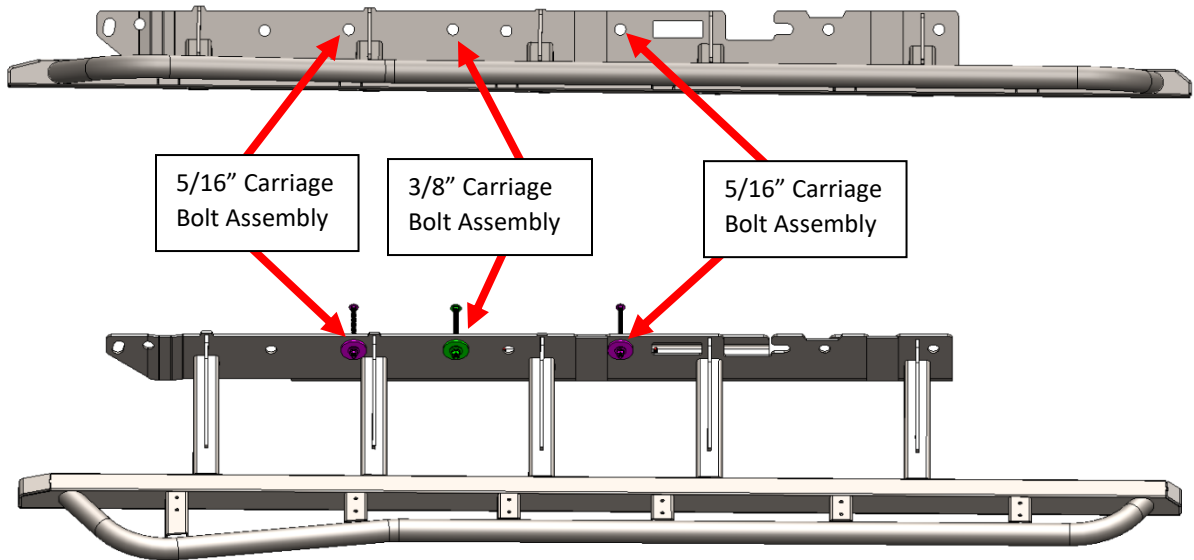


- a. Collect two (2) of each:
 - i. 5/16" x 5.5" carriage bolt
 - ii. 5/16" flat washer
 - iii. 5/16" split lock washer
 - iv. 5/16" nut
- b. Collect one (1) of each:
 - i. 3/8" x 5.5" carriage bolt
 - ii. 3/8" flat washer
 - iii. 3/8" split lock washer
 - iv. 3/8" nut
- c. Collect six (6) of each:
 - i. "Full Moon" washer

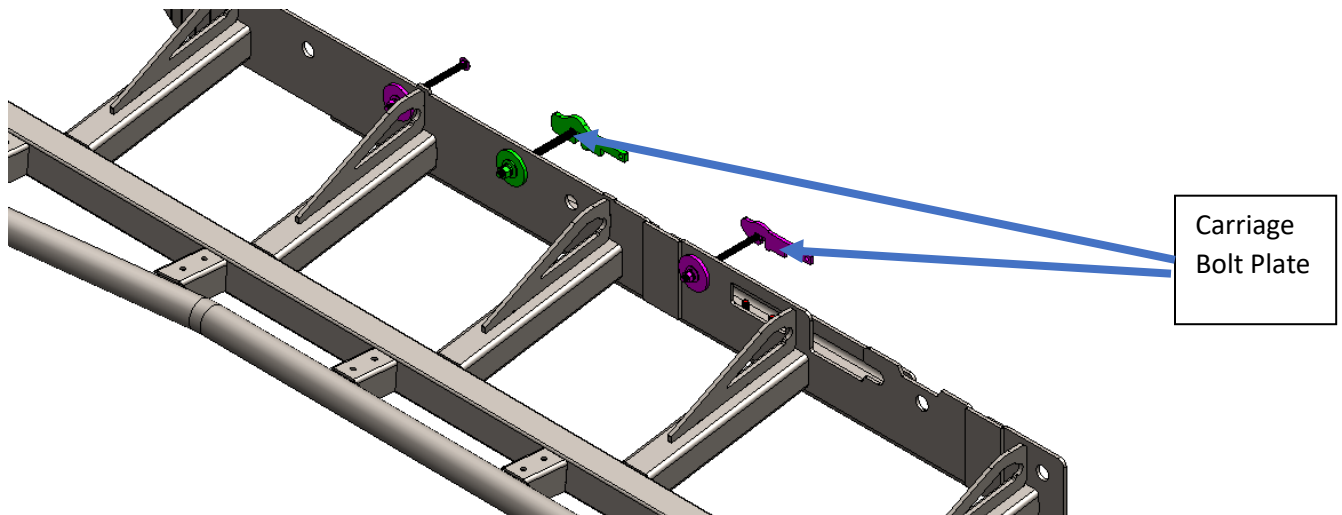
7. Collect the following hardware but do not assemble:

- a. Collect two (2) of each:
 - i. 7/16" x 5.5" carriage bolt
 - ii. 7/16" flat washer
 - iii. 7/16" split lock washer
 - iv. 7/16" nut
 - v. 7/16" carriage bolt plate

8. Feed the carriage bolt assemblies through the large holes at the top of the frame plate with the head of the bolt facing towards the center of the vehicle.
 - a. If needed, adjust the hex nut so that the carriage bolt head is visibly protruding from the inner surface of the vehicle frame.



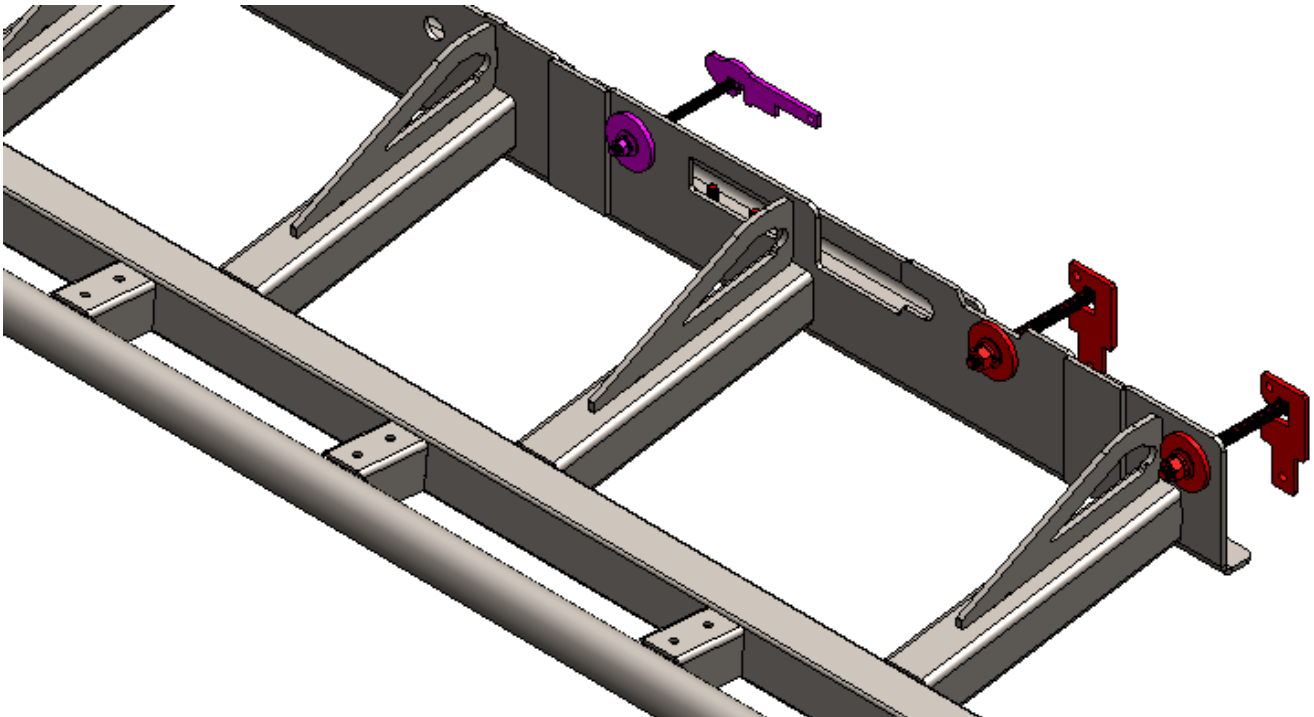
9. Collect a 3/8" and 5/16" carriage bolt plate and hook it over the protruding square head of the 3/8" and 5/16" carriage bolts towards the center of the slider frame plate. These plates will secure the carriage bolts when tightening the nut to secure the slider frame plate. Hand tighten the hex nut until the carriage bolt plate is snug against the frame.



- a. See page 2 to verify hardware order. Detail A1 and A2.

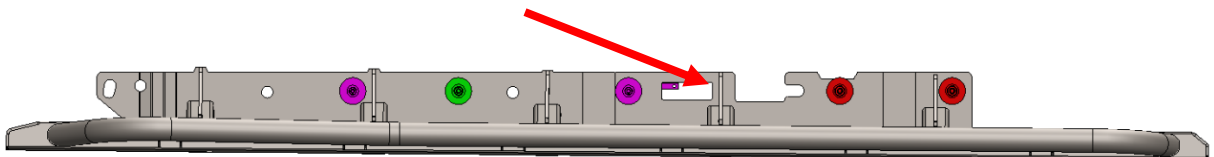
10. Repeat step 9 with the 5/16" carriage bolt plate and hardware.
 - a. This process takes some trial and error as the head of the 5/16" carriage bolt is covered by the vehicle crossmember. Begin by inserting the carriage bolt plate up towards the vehicle body and into vehicle crossmember. When the slot of the carriage bolt plate is aligned with the head of the carriage bolt, move/tilt the plate towards the bolt, hooking the plate on the carriage bolt. The carriage bolt plate/hardware is not easily visible in this step, requiring the process to be carried out nearly entirely by feel. It will likely take a couple of tries to get the plate hooked properly. Practice patience and ensure that the plate is properly installed; it'll be worth it!
 - b. See page 2 to verify hardware order. Detail A1.

11. From the inside of the vehicle frame between the fuel tank and transfer case, insert two 7/16" x 5.5" carriage bolt through the frame and slider frame plate. Hook the 7/16" carriage bolt plate on the heads of the carriage bolts before installing the appropriate 7/16" hardware.



- a. This step uses the 7/16" hardware collected in step 7.
- b. See page 2 to verify hardware order. Detail 1A.

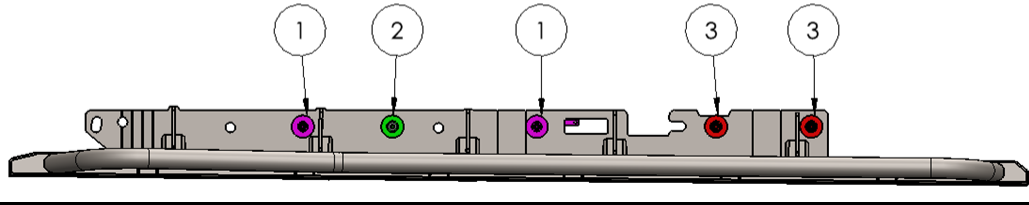
12. Reinstall the vehicle wire harness and grounding wire from step 2a and 2b.



- a. Reinstall the grounding wire using the factory hardware.
 - i. It is recommended at this point to clip the zip ties securing the grounding wire to the frame and resecure the wire to the frame in a position that relieves the tension caused by the slider leg gusset.

13. Before moving forward, please take a moment to review the hardware order shown below and confirm the hardware on the vehicle matches.

Passenger Side Slider	
Callout	Hardware Size
1	5/16"
2	3/8"
3	7/16"



The diagram shows a side view of the passenger side slider assembly. Callout 1 points to two purple bolts on the left side. Callout 2 points to a green bolt in the center. Callout 3 points to two red bolts on the right side.

14. Tighten passenger slider hardware.
- a. Torque the 7/16" carriage bolts to 20 lb-ft.
 - b. Torque the 3/8" carriage bolts to 20 lb-ft.
 - c. Torque the 5/16" carriage bolts to 12 lb-ft.
 - d. Torque the M8 bolts to 19 lb-ft.

15. Congrats, the passenger-side slider is now fully secured to the vehicle! Feel free to continue to the next page to start the driver-side install; Or take a moment to appreciate your success before continuing.

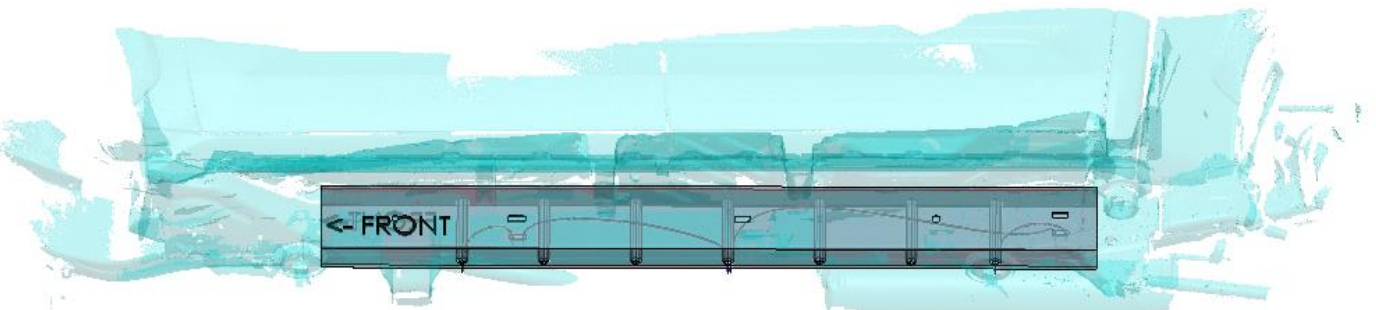
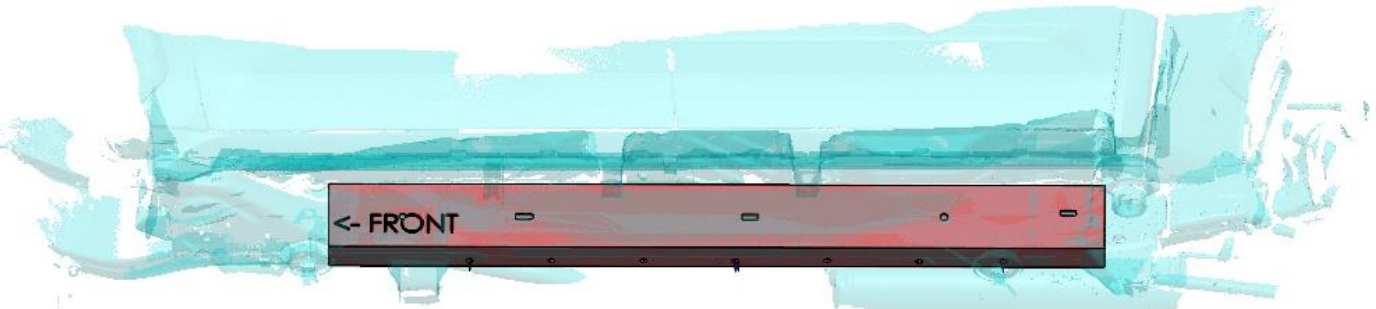
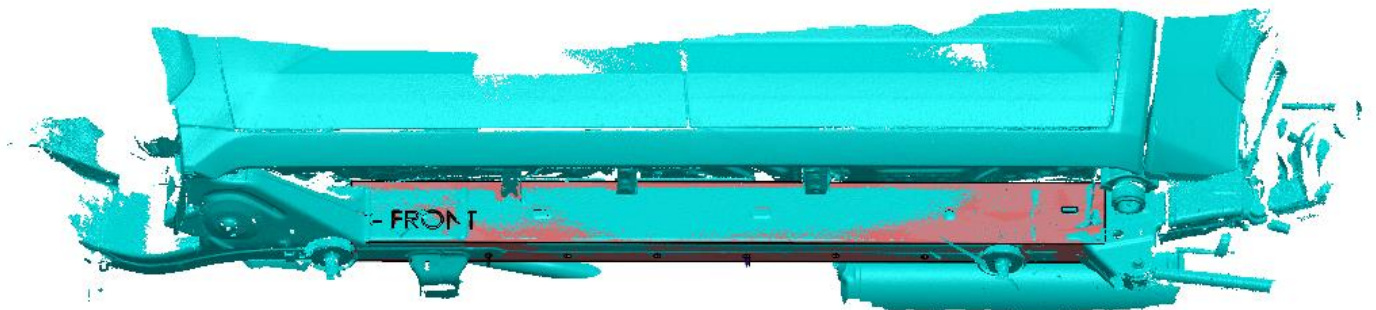
16. Tie the included sections of string and wire to the outermost holes of the M8 bolt plates.

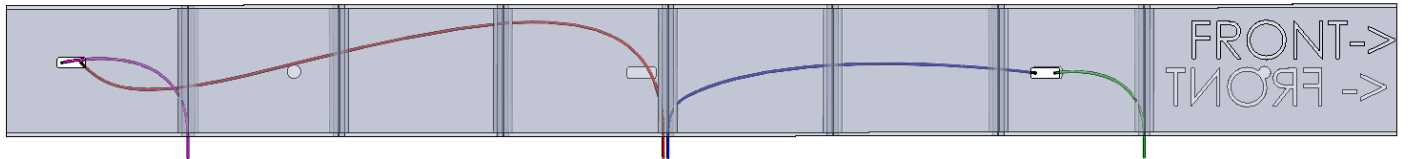
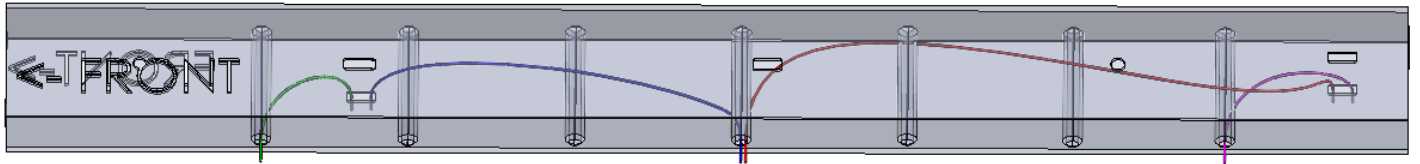
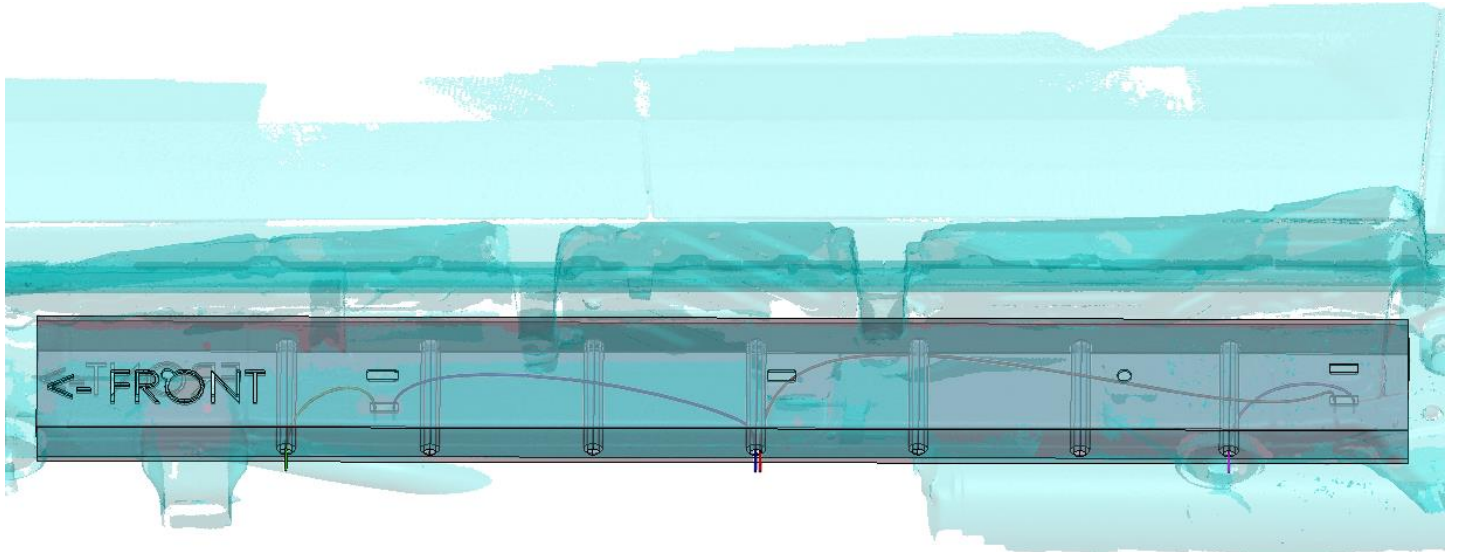


17. Tie an included section of string to this hole of the M8 bolt plate.
- a. This section of string will be used to retrieve the bolt plate from inside the vehicle frame if the slider is ever uninstalled.

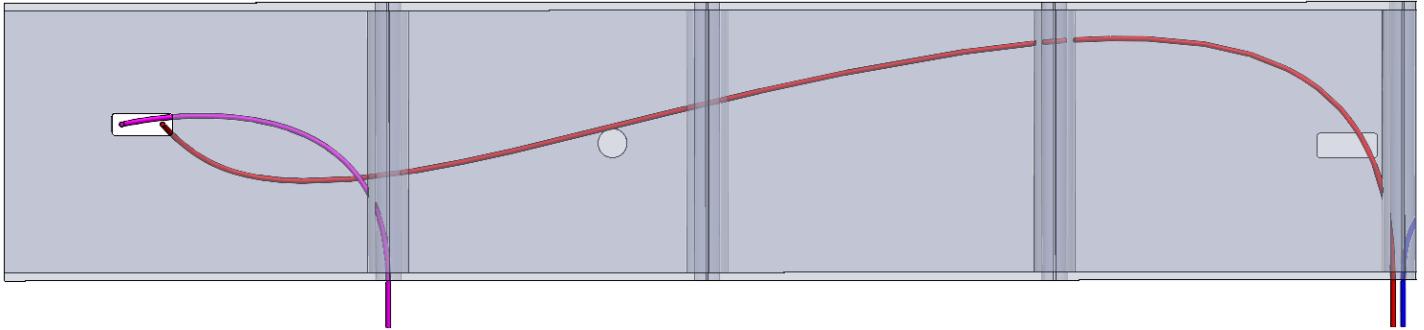


18. Carefully feed the ends of the wire through the holes in the inner driver side of the vehicle frame.

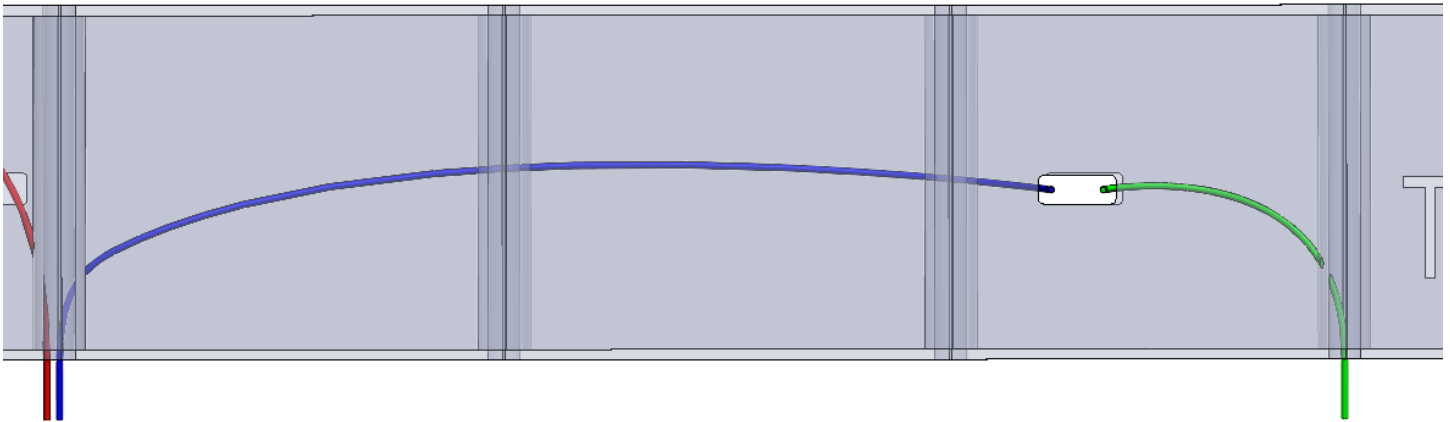




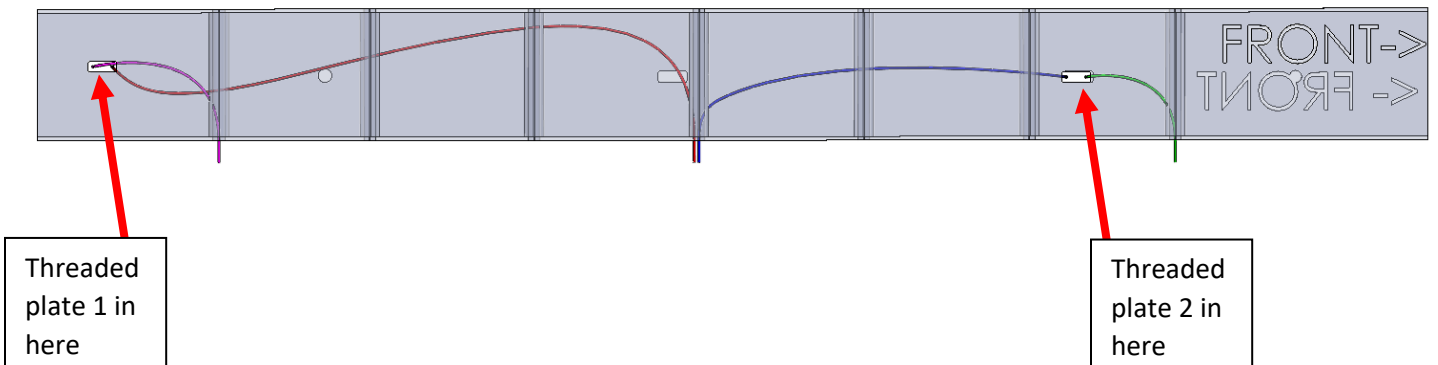
- a. Strings 1 and 2 of threaded plate 1 as viewed from the inside of the vehicle looking out.



- b. Strings 1 and 2 of threaded plate 2 as viewed from the inside of the vehicle looking out.



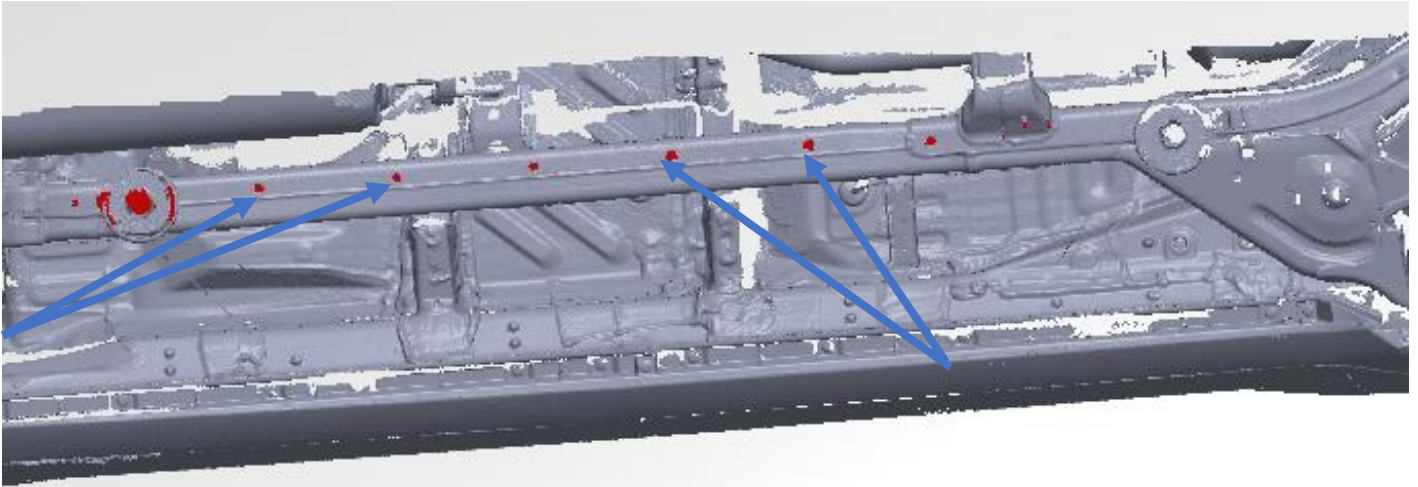
- 19. Feed the bolt plates through these holes in the driver side of the vehicle frame.



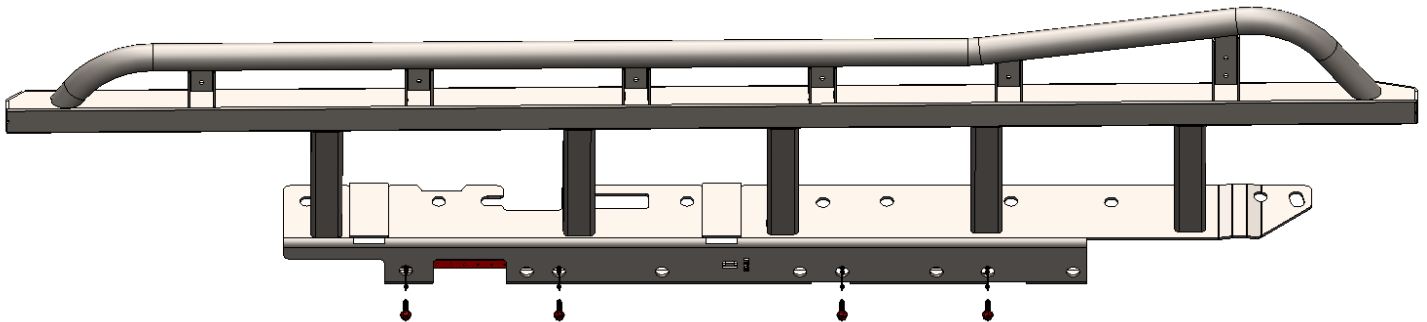
- 20. Secure the end of the string from step 19 to the driver side of the vehicle frame with tape above the holes in the frame from step 21.

- a. You may also elect to tie the string to the frame or other point on the vehicle. The critical component of this step is for the string to be accessible. This string will be used to remove the bolt plates from the frame if the slider is ever removed.

21. Use the attached strings to align the threaded holes in the bolt plates with the holes in the lower face of the vehicle frame.



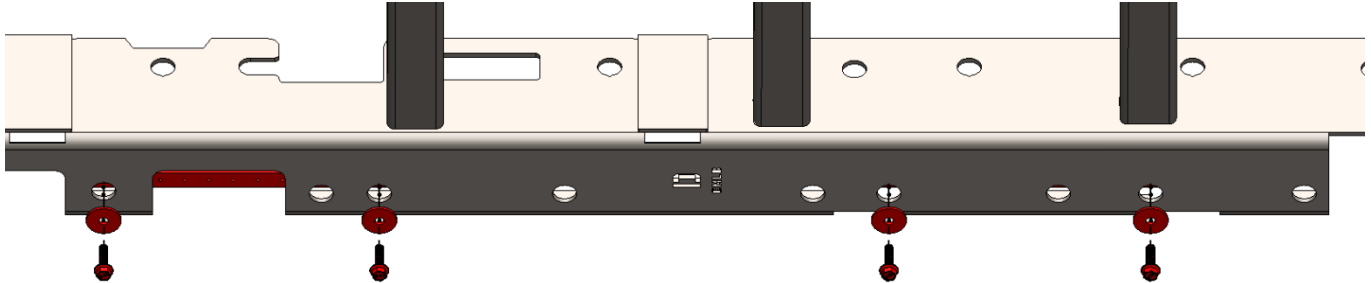
- a. The bolts will align with these corresponding holes on the lower face of the driver slider:



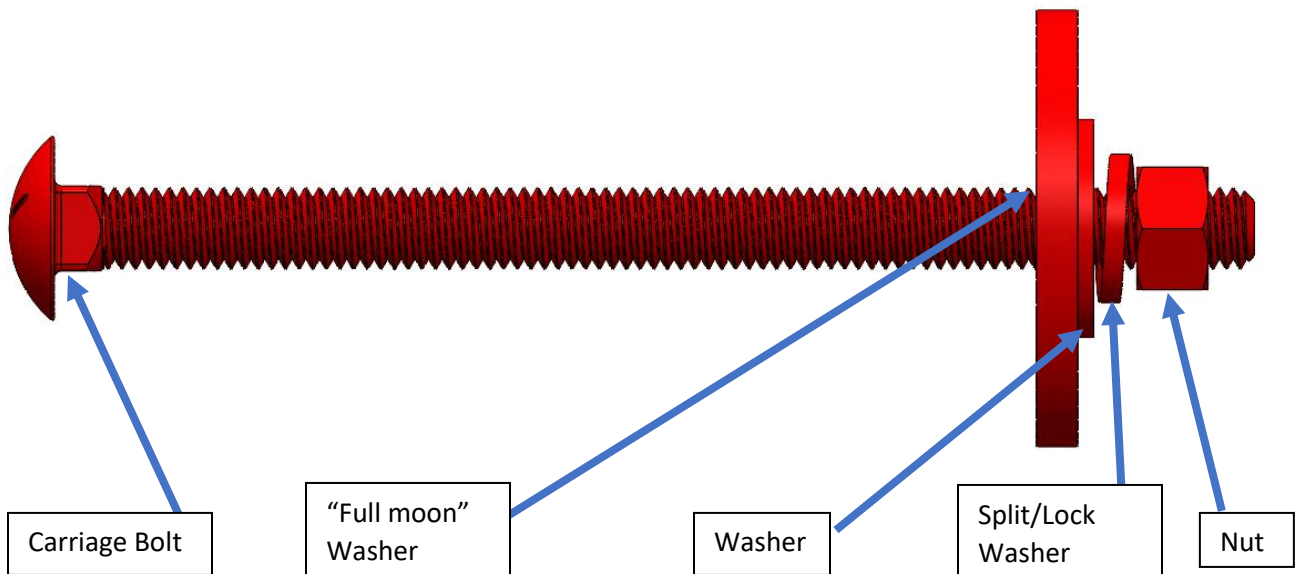
22. With the bolt plates aligned, thread four (4) M8x30mm bolts into the holes of the bolt plates. This will keep the bolt plates from becoming lost in the frame while installing the slider on the vehicle.

23. Identify the driver side slider and lift it up to the frame on the driver side of the vehicle.
- a. Use of a floor jack or similar equipment will make this process significantly easier.
 - b. The M8 bolts from step 21 will have enough clearance to fit within the holes in the lower face of the slider. Take your time and lift the slider up while feeding the bolts through the slider frame plate.

24. With the slider up on the vehicle frame and the mounting holes aligned, carefully remove one of the bolts from the bolt plate and reinstall with one (1) of the included 5/16" x 1.25" flat washers. Repeat this process until all the lower M8 bolts have been reinstalled with washers.



25. Collect the listed hardware and create the following assemblies:



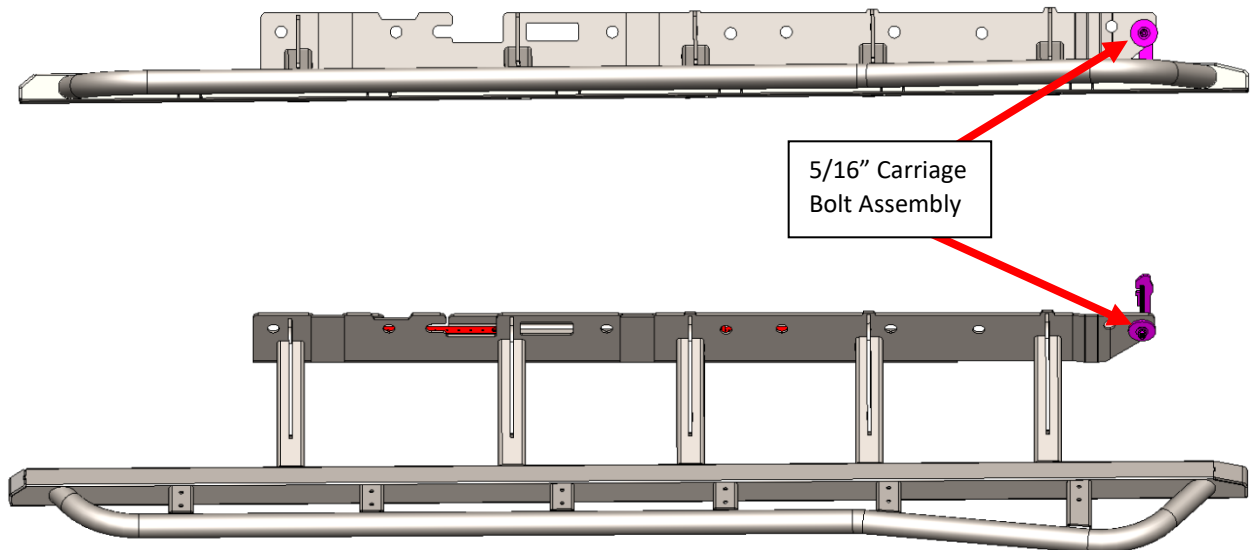
- a. Collect one (1) of each:
 - i. 5/16" x 5.5" carriage bolt
 - ii. 5/16" flat washer
 - iii. 5/16" split lock washer
 - iv. 5/16" nut
- b. Collect five (5) of each:
 - i. "Full Moon" washer

26. Collect the following hardware but do not assemble:

- a. Collect four (4) of each:
 - ii. 7/16" x 5.5" carriage bolt
 - iii. 7/16" flat washer

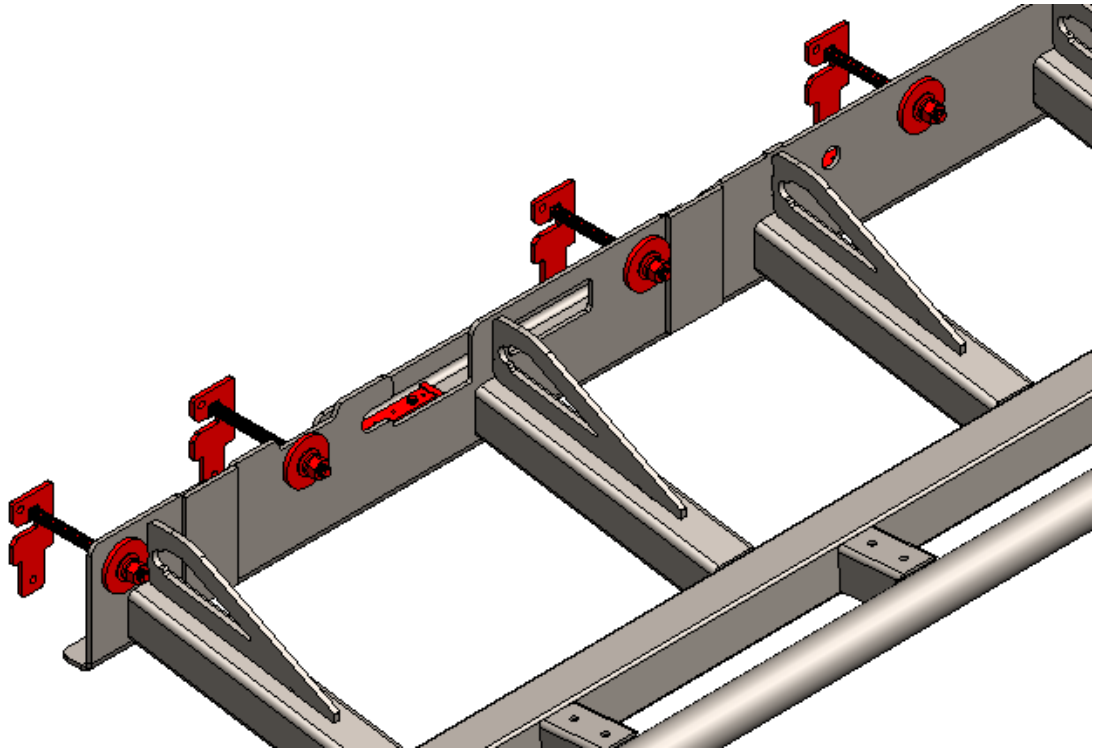
- iv. 7/16" split lock washer
- v. 7/16" nut
- vi. 7/16" carriage bolt plate

27. Feed the carriage bolt assembly created in step 25 through the large holes at the top of the frame plate with the head of the bolt facing towards the center of the vehicle.
- c. If needed, adjust the hex nut so that the carriage bolt head is visibly protruding from the inner surface of the vehicle frame.



28. Collect a 5/16" carriage bolt plate and hook it over the protruding square head of the 5/16" carriage bolt. These plates will secure the carriage bolts when tightening the nut to secure the slider frame plate. Hand tighten the 5/16" hex nut until the carriage bolt plate is snug against the frame.
- d. This process takes some trial and error as the head of the 5/16" carriage bolt is covered by the vehicle crossmember. Begin by inserting the carriage bolt plates up towards the vehicle body and into vehicle crossmember. When the slot of the carriage bolt plate is aligned with the head of the carriage bolt, move/tilt the plate towards the bolt, hooking the plate on the carriage bolt. The carriage bolt plate/hardware is not easily visible in this step, requiring the process to be carried out nearly entirely by feel. It will likely take a couple of tries to get the plate hooked properly. Practice patience and ensure that the plate is properly installed; it'll be worth it!
 - e. See page 2 to verify hardware order. Detail A1.

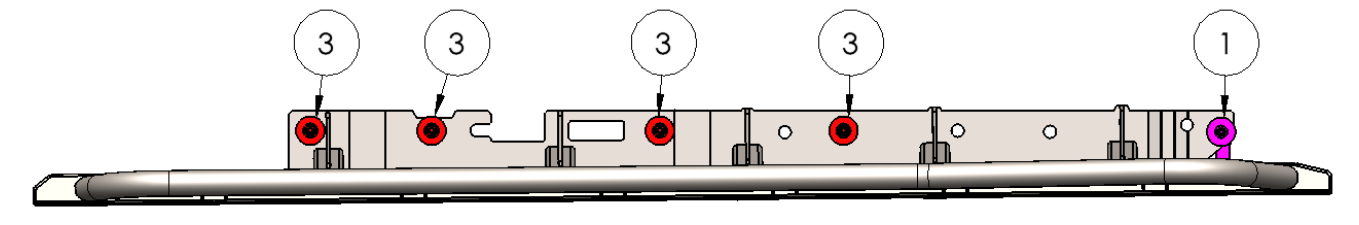
29. From the inside of the vehicle frame, insert a 7/16" x 5.5" carriage bolt through the frame and slider frame plate in each of these locations. Hook the 7/16" carriage bolt plate on the head of the carriage bolt before installing the appropriate 7/16" hardware. Repeat for the remaining 3 mounting locations.



- f. This step uses the 7/16" hardware collected in step 26.
- g. See page 2 to verify hardware order. Detail B1.

30. Before moving forward, please take a moment to review the hardware order shown below and confirm the hardware on the vehicle matches this.

Driver Side Slider	
Callout	Hardware Size
1	5/16"
2	3/8"
3	7/16"



31. Tighten driver slider hardware.
- a. Torque the 7/16" carriage bolts to 20 lb-ft.
 - b. Torque the 3/8" carriage bolts to 20 lb-ft.
 - c. Torque the 5/16" carriage bolts to 12 lb-ft.
 - d. Torque the M8 bolts to 19 lb-ft.



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