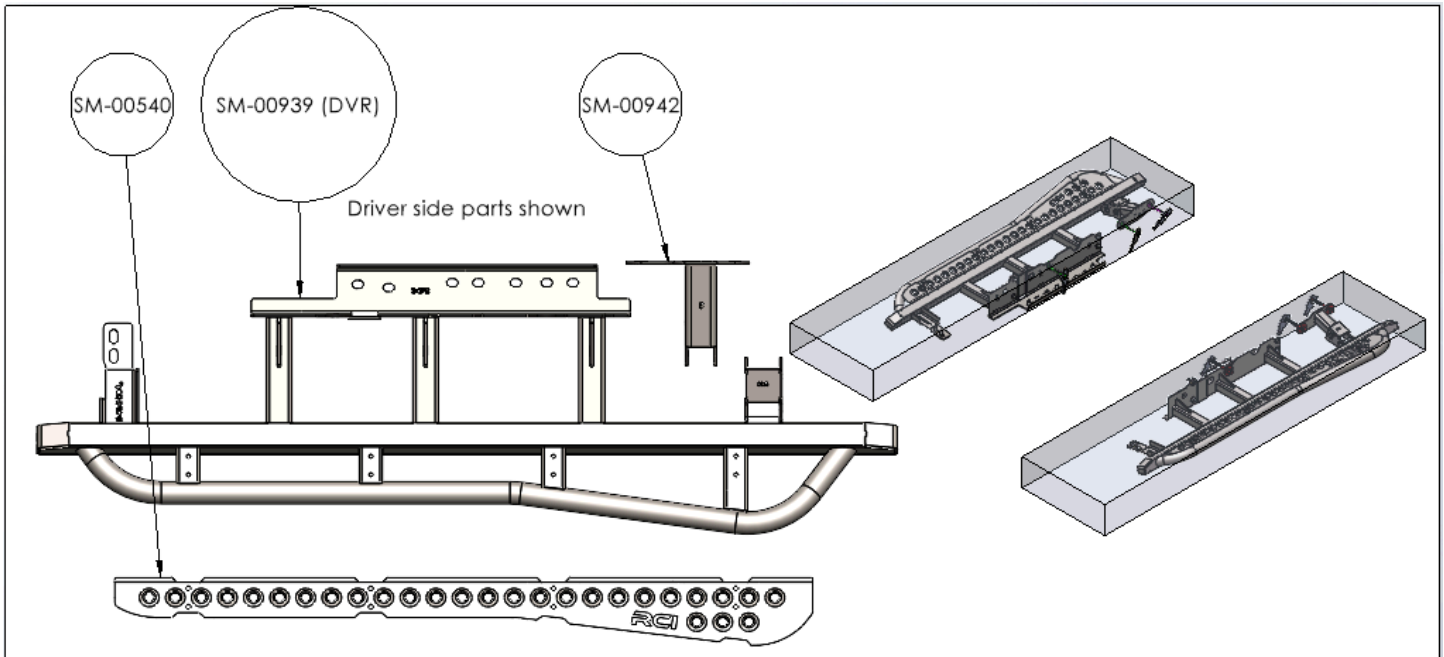
RCI 24+ LC250 / 25+4Runner Slider Installation Guide



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	SM-00939 (PASS)	.188MS 24 Landcruiser Slider Passenger	1
2	SM-00939 (DVR)	.188MS 24 Landcruiser Slider Driver	1
3	SM-00942	24 Landcruiser Rear Bolt On Leg	2
4	SM-00539	.075 MS FJ Tread Plate R2 Passenger	1
5	SM-00540	.075 MS FJ Tread Plate R2 Driver	1
6	HW-00004	3/8 Carriage Bolt Plate	2
7	HW-00005	5/16 Carriage Bolt Plate	1
8	HW-00006	7/16 Carriage Bolt Plate	3
9	HW-00160	Mounting Plate #4 .135MS	2
10	BX-00068	83.5x21.5x7 (24 Tacoma DCSB Slider Box)	2
11	HK-00164	24+ LC250 Slider Hardware Kit	1

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

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	NAME	DATE
DRAWN	KL	01/20/2025

Export Date
1/27/2025

RCI OFFROAD

TITLE:
24+ LC250 Slider SHIP Print
BOM

Item Number
FG-00563

REV
1

DO NOT SCALE DRAWING | SCALE: 1:24 | WEIGHT: | SHEET 1 OF 32

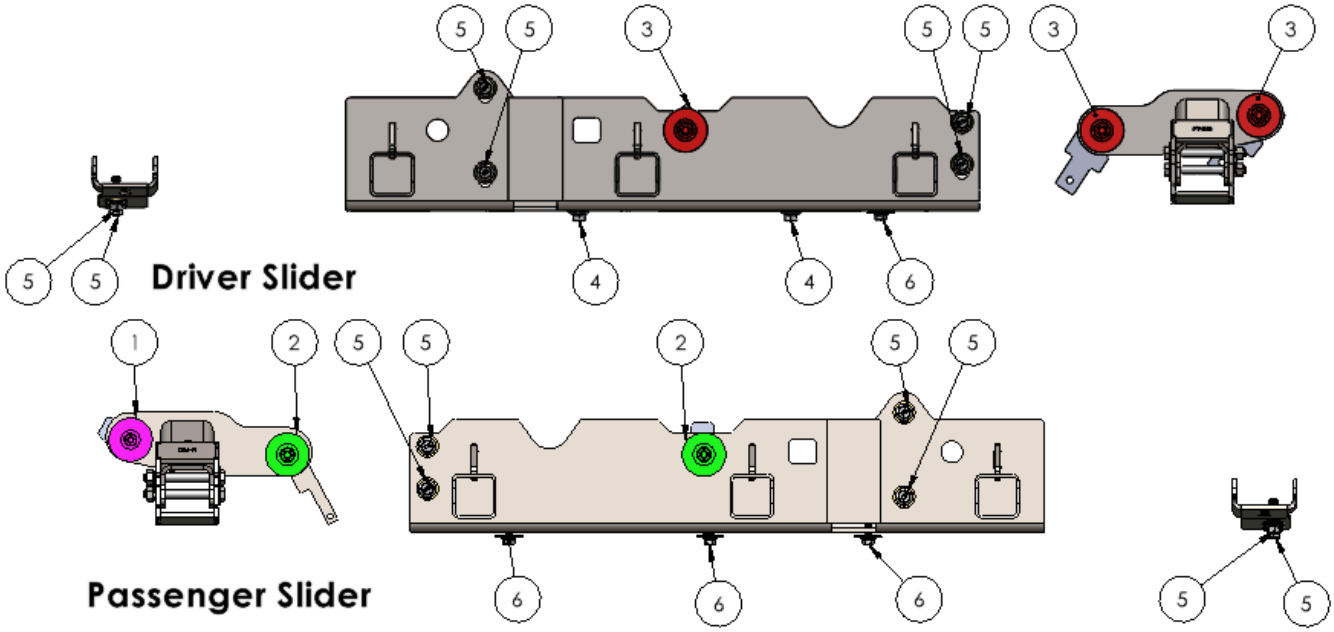
This installation can be physically demanding and time intensive. It is highly recommended to recruit a friend or family member to assist in this installation and plan to spend 2-4 hours installing the sliders.

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.

TWO THREAD PITCHES OF M10 HARDWARE ARE REQUIRED FOR THIS INSTALLATION. PLEASE TAKE A MOMENT TO SEPARATE OUT THE TWO M10-1.5 X 35MM BOLTS. THESE CAN BE DISTINGUISHED BASED ON THEIR SLIGHTLY LONGER LENGTHS AND CAN BE THREADED INTO THE INCLUDED M10-1.5 SPEEDCLIPS TO VERIFY.

HARDWARE LOCATIONS(SLIDERS SHOWN WITHOUT OUTER RAILS FOR VISIBILITY)	
CALLOUT	HARDWARE SIZE
1	5/16
2	3/8
3	7/16
4	M10-1.5 X 35MM
5	M10-1.25 X 30MM
6	M8 - 1.25 X 30MM



INSTALLATION STEPS:

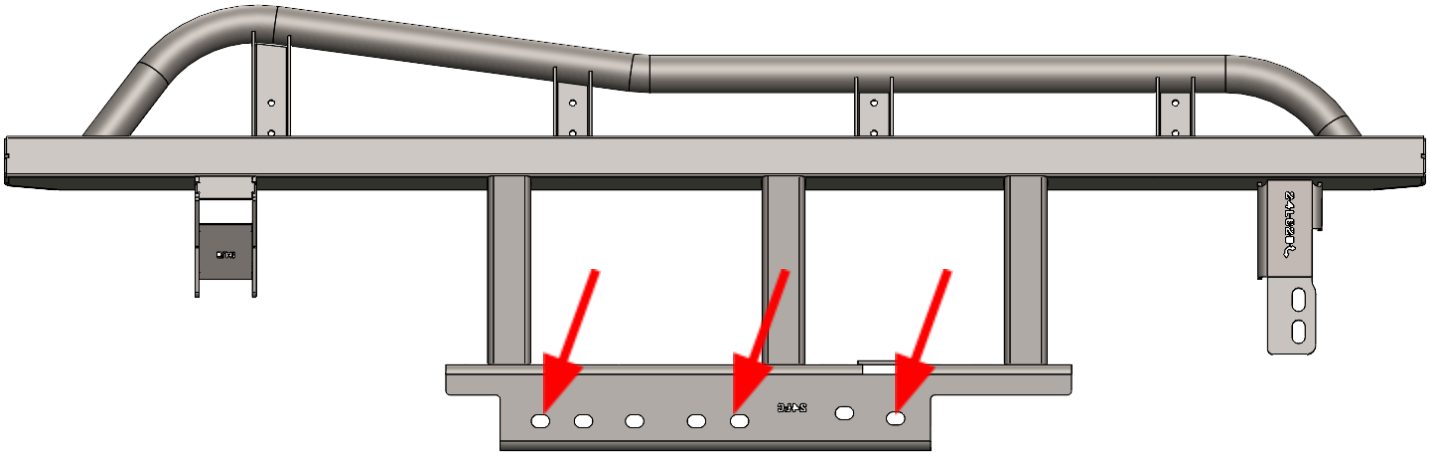
****Use hand tools, impact wrenches may cause damage if over torqued.**

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.

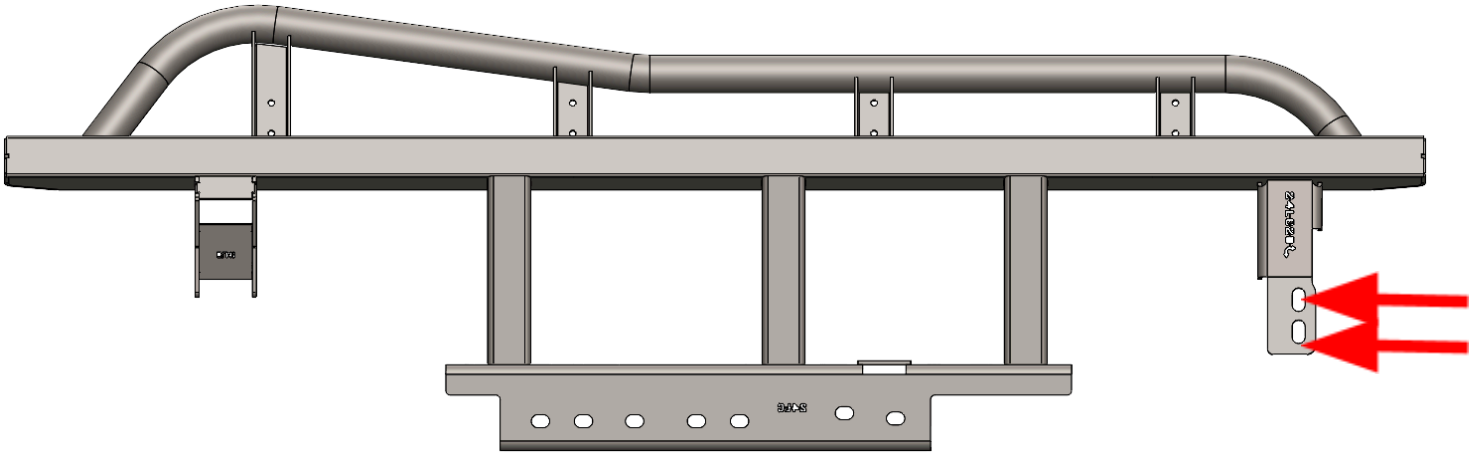
2. On the passenger side, remove all the frame-mounted accessories/hardware that may interfere with the installation of the RCI LC250 Sliders
    a. Remove all plastic caps from the inside and outside of the vehicle frame
    b. Remove the factory or RCI fuel skid. Other aftermarket fuel skids will likely also require removal.

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 grounding wire, its mounting clip, the plastic wire harness mount, and/or any other frame-mounted wires and lines.

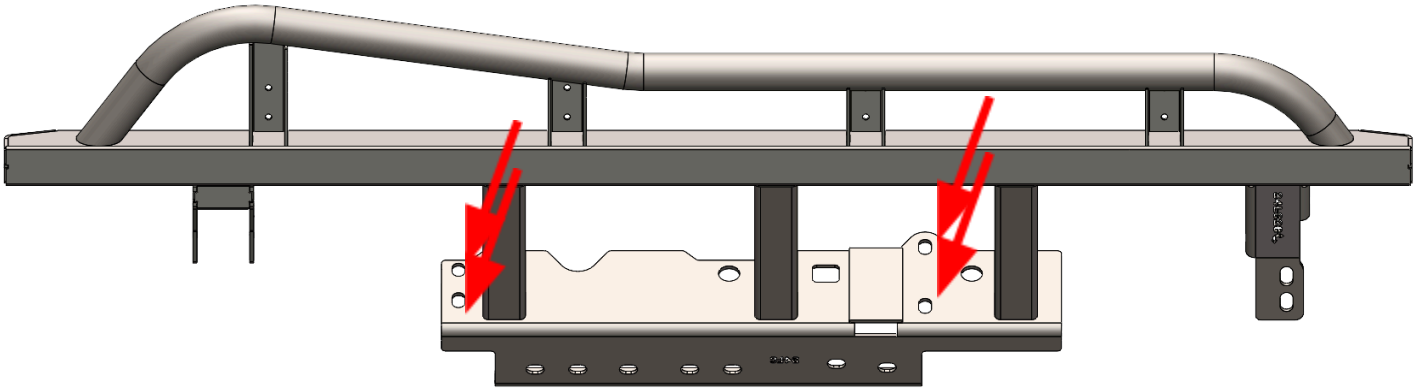
4. Loosely thread the included M8 bolt and fender washer through the bottom of the frame plate and into the tapped mounting locations of the frame

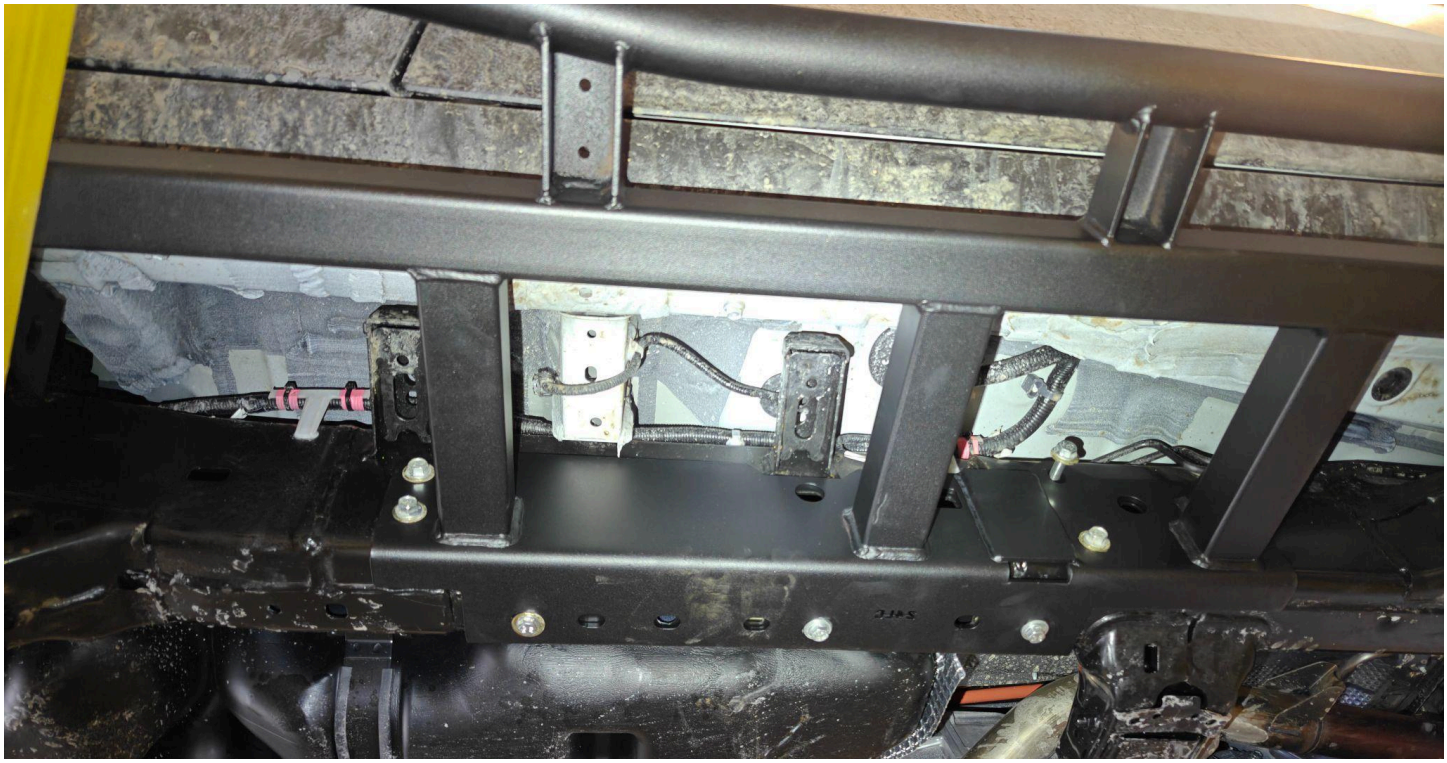


5. Loosely thread the included M10-1.25x30mm bolts and 3/8" washers into the remaining locations along the frame
    a. Align the mounting locations on the front leg of the RCI 24+ Landcruiser with the tapped holes on the front body mount of the vehicle and loosely thread in two sets of M10 hardware

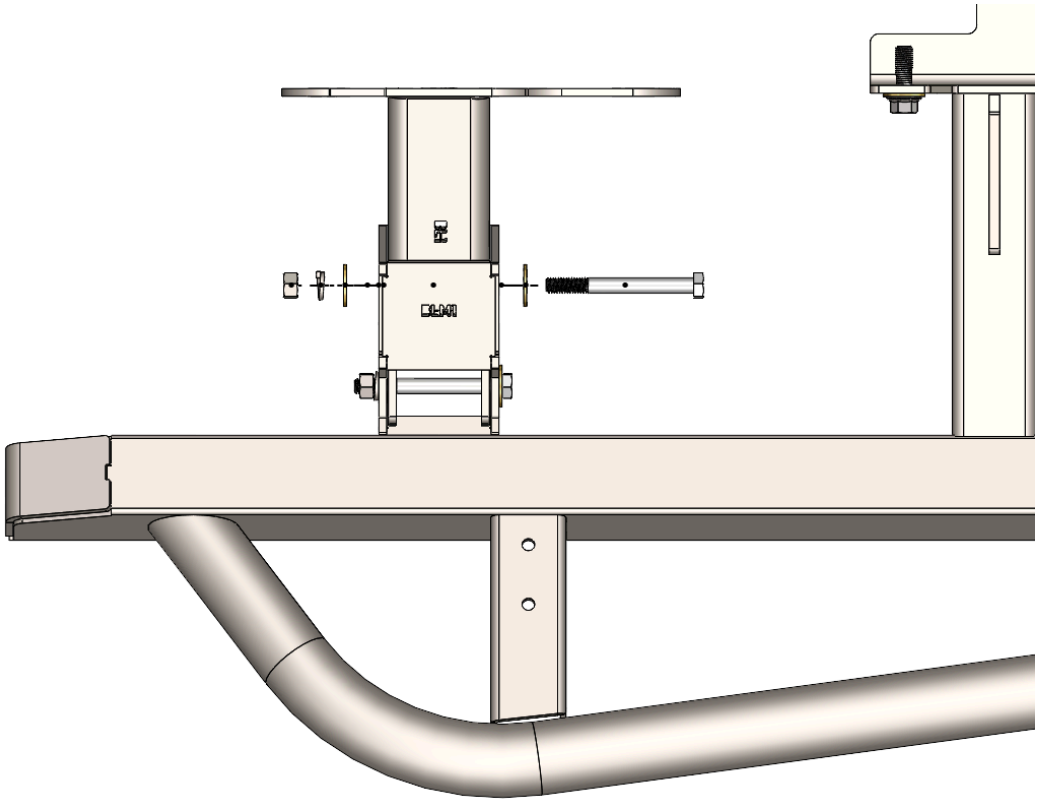


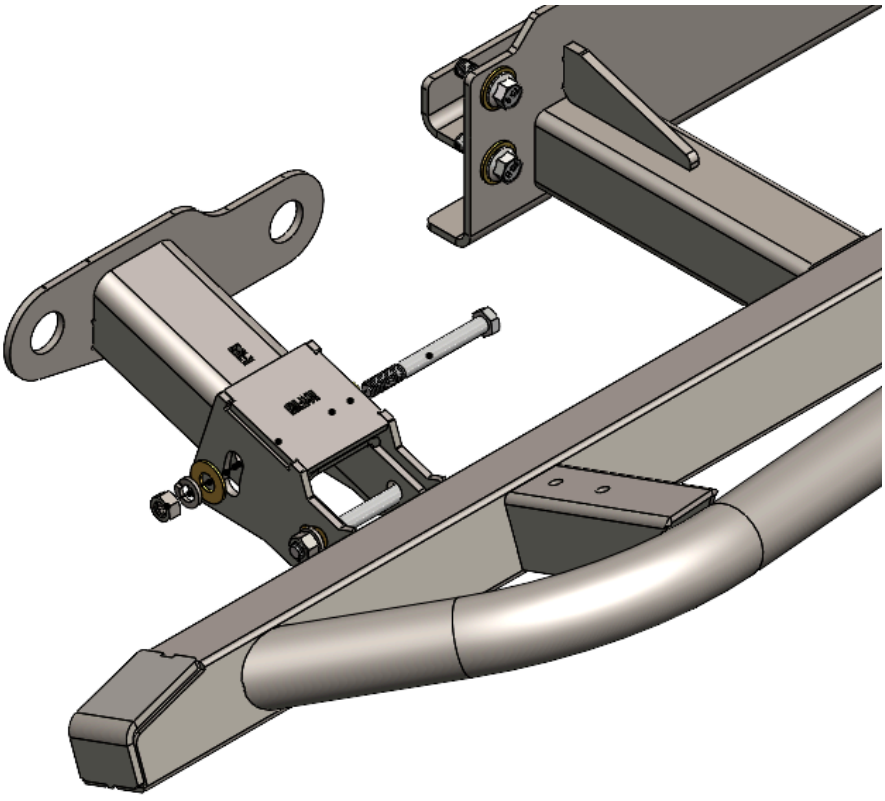
b. Align the slots in the vertical face of the frame plate with the tapped holes on the frame and loosely thread in four sets of M10 hardware.





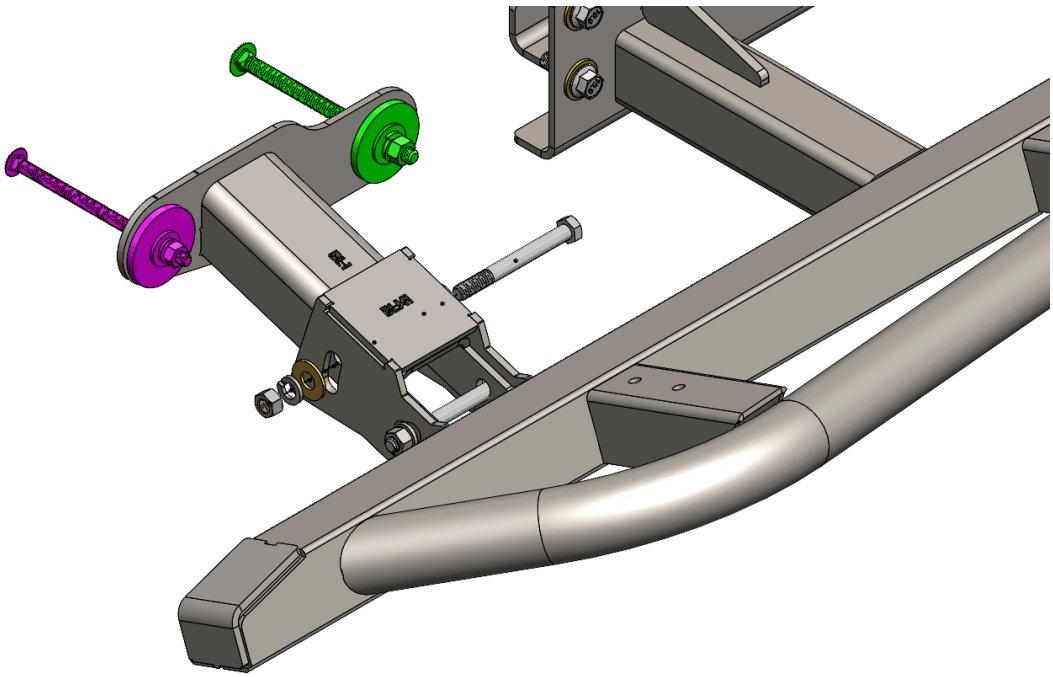
6. Align the rear bolt on-leg with the bolt-on leg mount welded to the main rail of the slider. Loosely install the pair of included 3/8" x 3.5” hex bolts, washers, split washers, and nuts.





7. With the frame plate of the slider aligned with the frame of the vehicle, pass a 5/16” carriage bolt assembly head-first through the hole in the rear of the frame plate and through the frame.

8. Repeat the process with a 3/8" carriage bolt assembly through the hole in the front of the frame plate.



9. Reach between the fuel tank and frame of the vehicle to hook carriage bolt plates on each of the carriage bolt heads.
    a. The front carriage bolt will receive a 3/8" carriage bolt plate and the rear carriage bolt will receive a 5/16” carriage bolt plate. The 5/16” carriage bolt plate is the smaller of the two.

5/16 CARRIAGE BOLT PLATE

3/8 CARRIAGE BOLT PLATE

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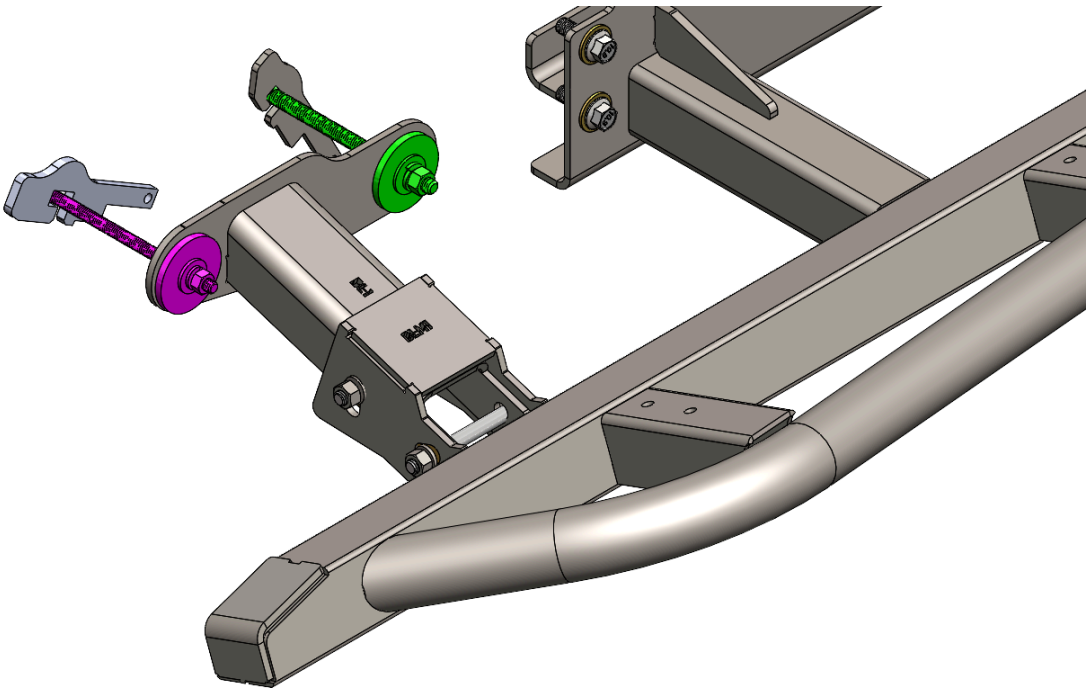
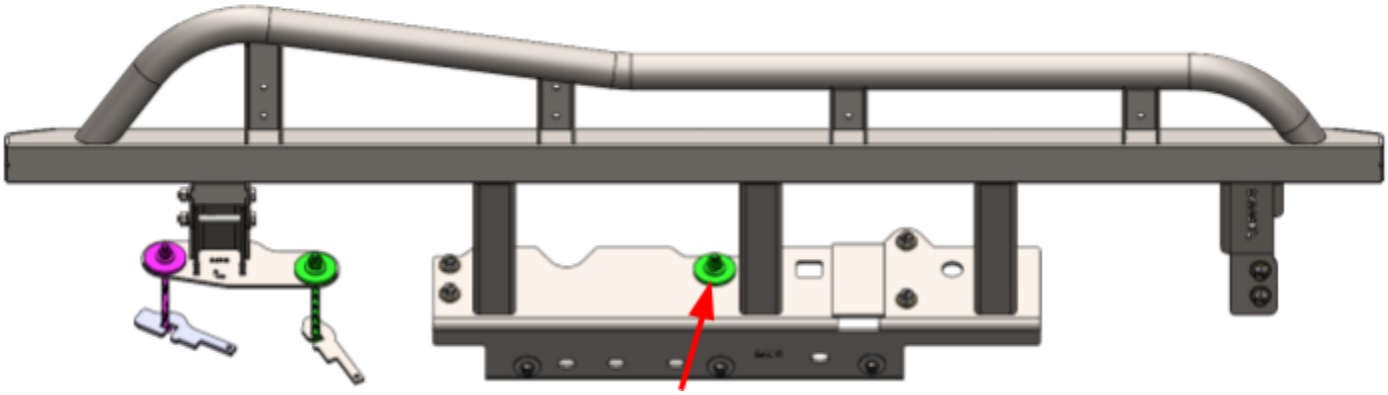


10. With the rear leg frame plate aligned with the frame of the vehicle, tighten the carriage bolts to secure the rear leg.
    a. Torque the 3/8” carriage bolts to 20 lb-ft.
    b. Torque the 5/16” carriage bolts to 12 lb-ft.

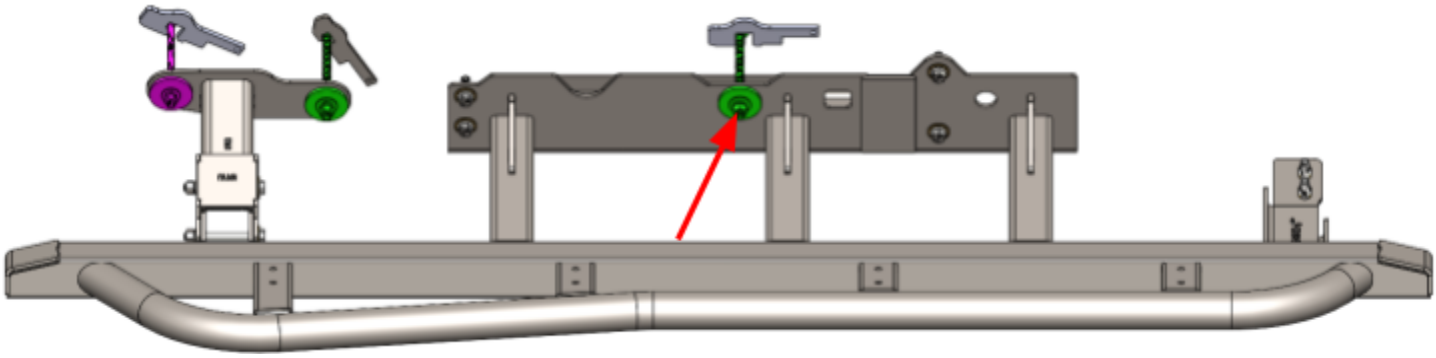
11. Tighten all of the lower hardware from the front leg and the main frame plate.
    a. Torque the M10 hardware to 60 lb-ft.
    b. Torque the M8 hardware to 30 lb-ft.

12. Finally, tighten the remaining M10 hardware to 60 lb-ft.

13. Insert another 3/8" carriage bolt assembly through the circular hole at the center of the slider frame plate. Like the others, this carriage bolt will be fed head-first through the slider frame plate and through the frame



14. Once again, reach between the vehicle frame and the fuel tank to hook a carriage bolt plate on the exposed head of the 3/8" carriage bolt from the previous step.

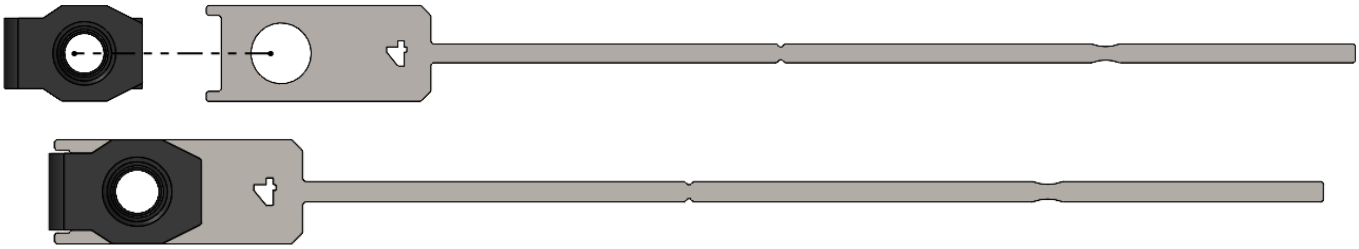


15. Inspect all hardware and ensure they are tightened to the following torque specs:
    a. Torque the 3/8” carriage bolts to 20 lb-ft.
    b. Torque the 5/16” carriage bolts to 12 lb-ft.
    c. Torque the M10 hardware to 60 lb-ft.
    d. Torque the M8 hardware to 30 lb-ft.

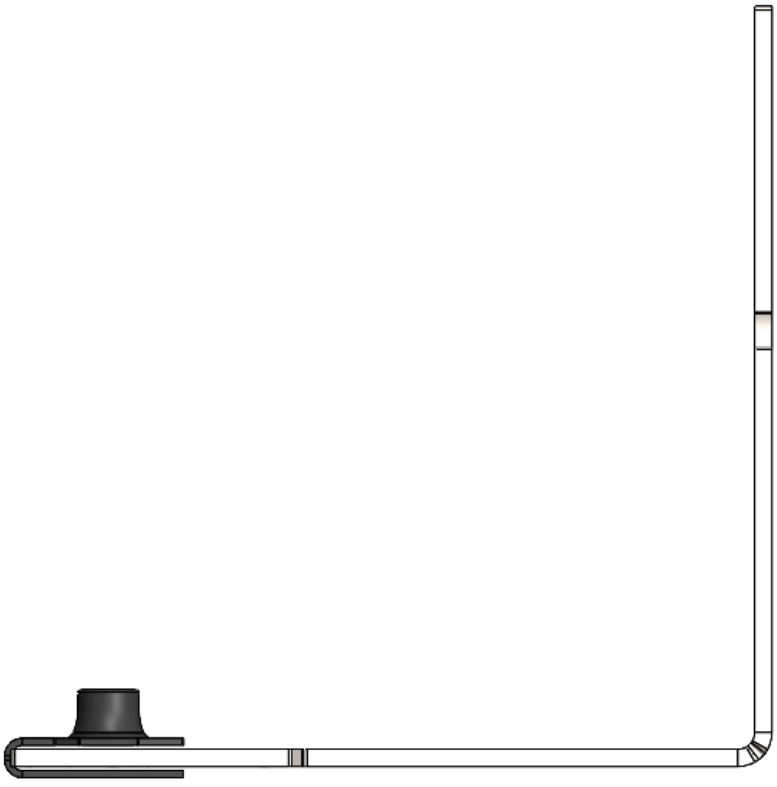
16. As applicable, reinstall any fuel skids or other accessories removed at the beginning of this process.

17. On the driver side, remove all the frame-mounted accessories/hardware that may interfere with the installation of the RCI LC250 Sliders
    a. Remove all plastic caps from the inside and outside of the vehicle frame
    b. Remove the factory or RCI T-case skid plate. Other aftermarket fuel skids will likely also require removal.

18. Assemble the MP4 mounting plates by installing an included M10 speedclip.



19. Bend the REAR MP4 as depicted below.
    a. Find the dimple nearest to the mounting hole and use a pair of pliers to bend it up at a 90° angle.



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b. At the second dimple in the mounting plate bend it at a 90° angle to the left of the mounting hole as depicted below.

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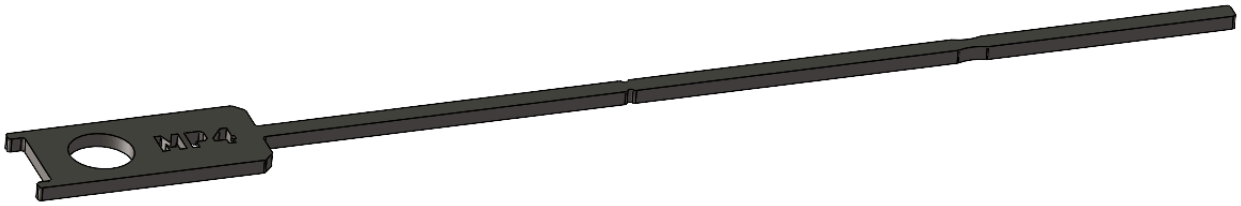
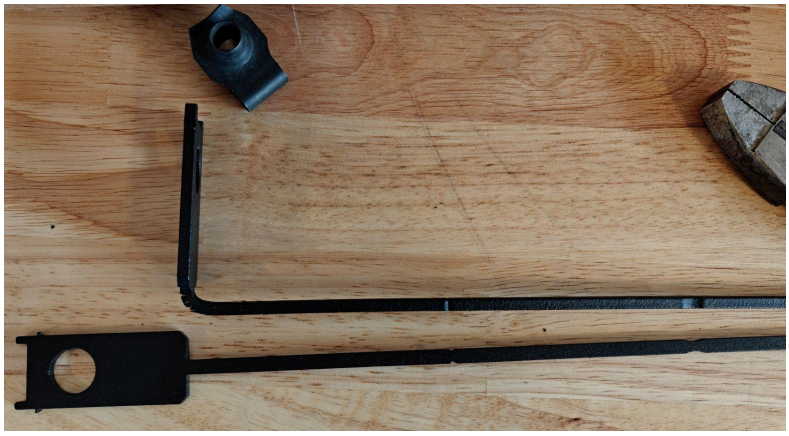
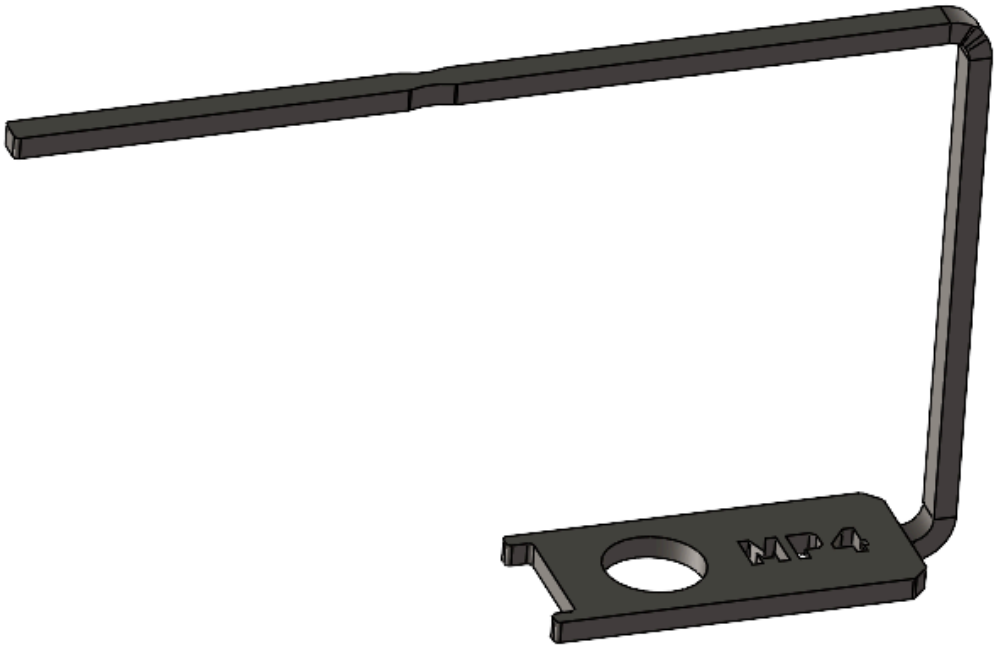
20. Bend the FRONT MP4 as depicted below.
    a. Measure and mark a line 4.25” from the back edge as shown:

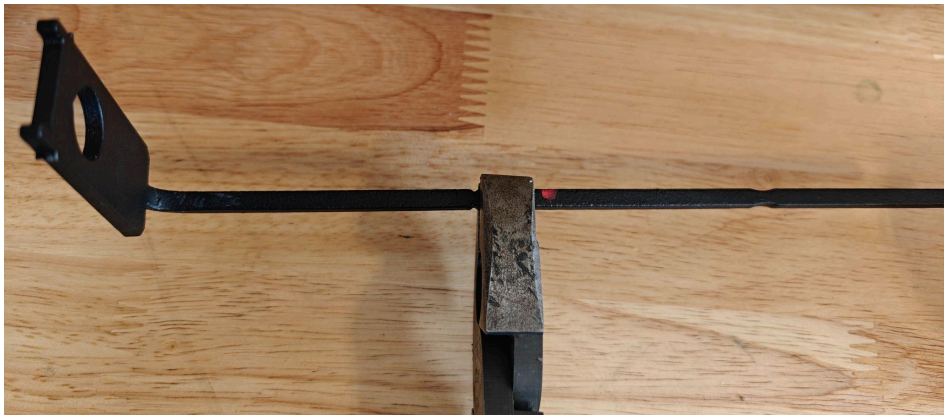


    b. Bend the “tail” of the MP4 up as close to the edge of the “body” of the MP4



c. At the first dimple, bend the tail up and over the body of the MP4

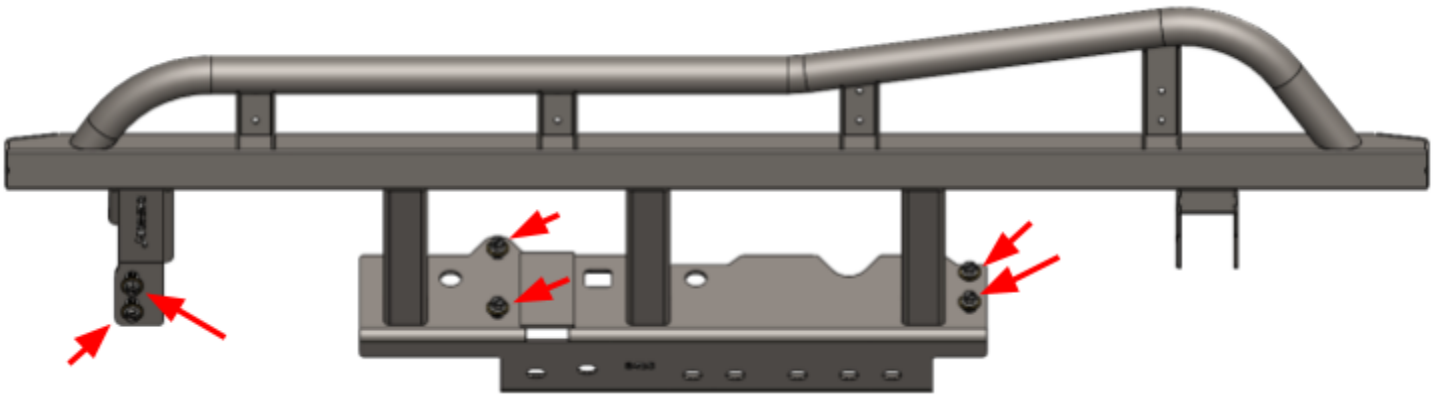




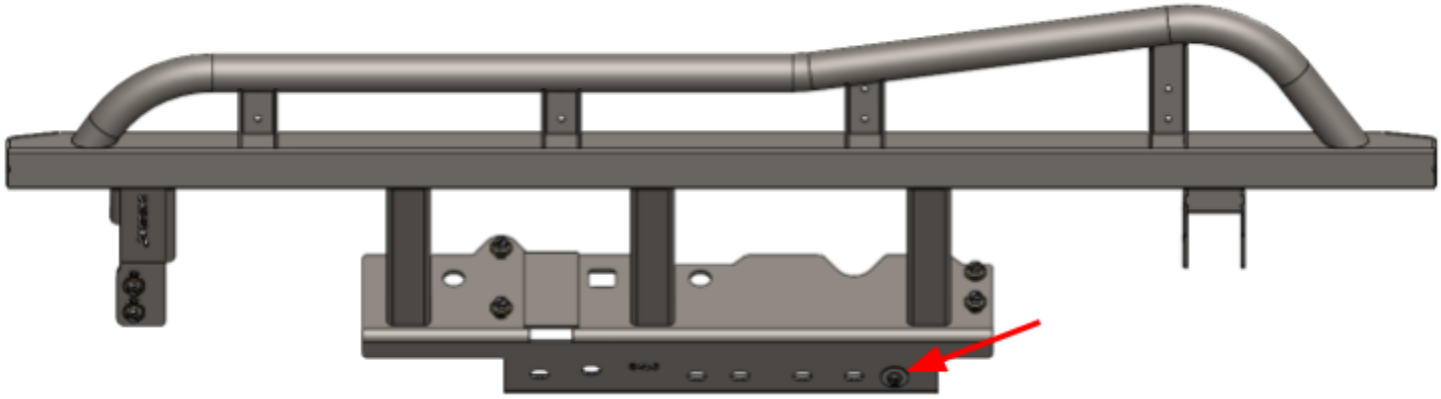
d. At the line marked earlier, bend the tail out to the left of the MP4

21. 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. Take special care to avoid pinching the grounding wire, its mounting clip, the plastic wire harness mount, and/or any other frame-mounted wires and lines.

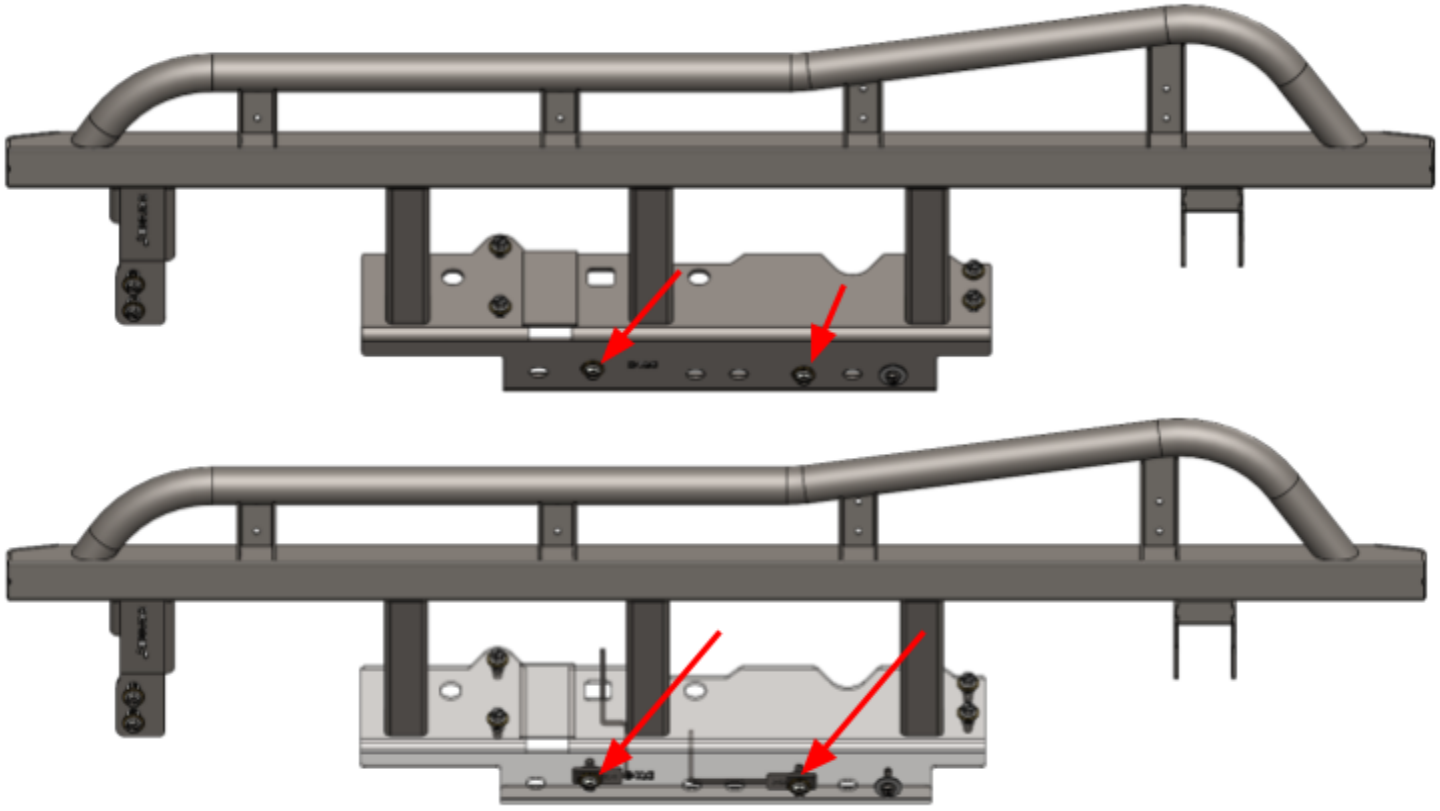
22. Loosely install the included M10 - 1.25 x 30mm and 3/8” washers in the following locations



23. Loosely install the included M8 bolt and fender washer in the following location:



24. Insert the bent MP4 assemblies from the previous step into the frame of the vehicle and loosely install the included M10 - 1.5 x 35mm bolts and 3/8" washers in the following locations:
    a. You may optionally choose to trim the remaining “tail” of each MP4 or bend them out of the way after this step. However, this is not a necessary step and the remaining “tail” will not interfere with anything moving forward.



    b. The rear MP4 is installed from the inside of the frame with the M10 speed clip facing the rear of the vehicle. Align the threaded hole of the rear MP4 assembly with the third hole from the rear of the bottom face of the RCI 24+ LC250 Slider Frameplate.

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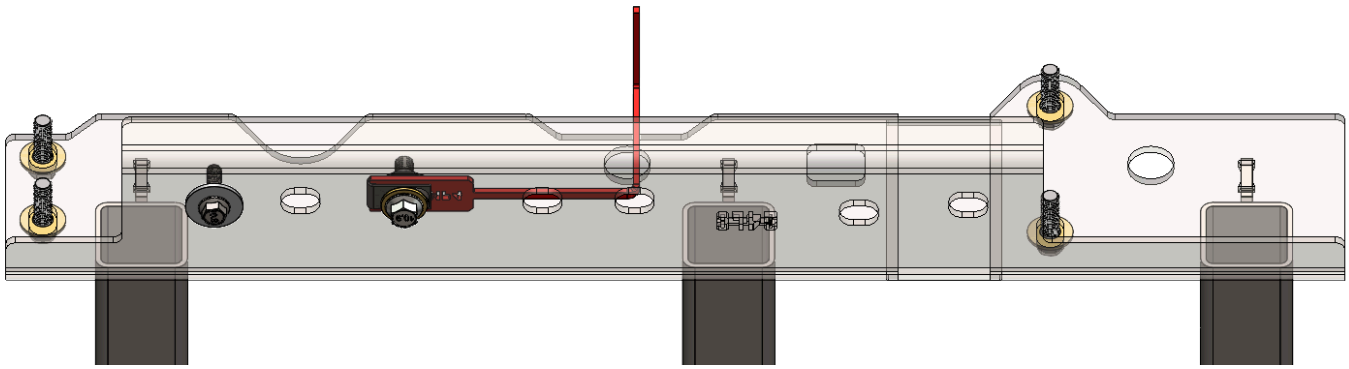
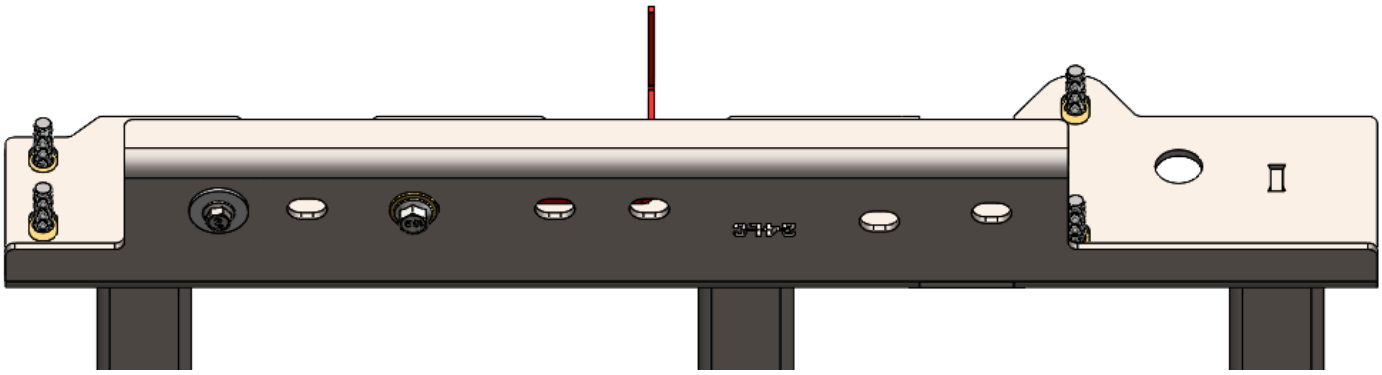
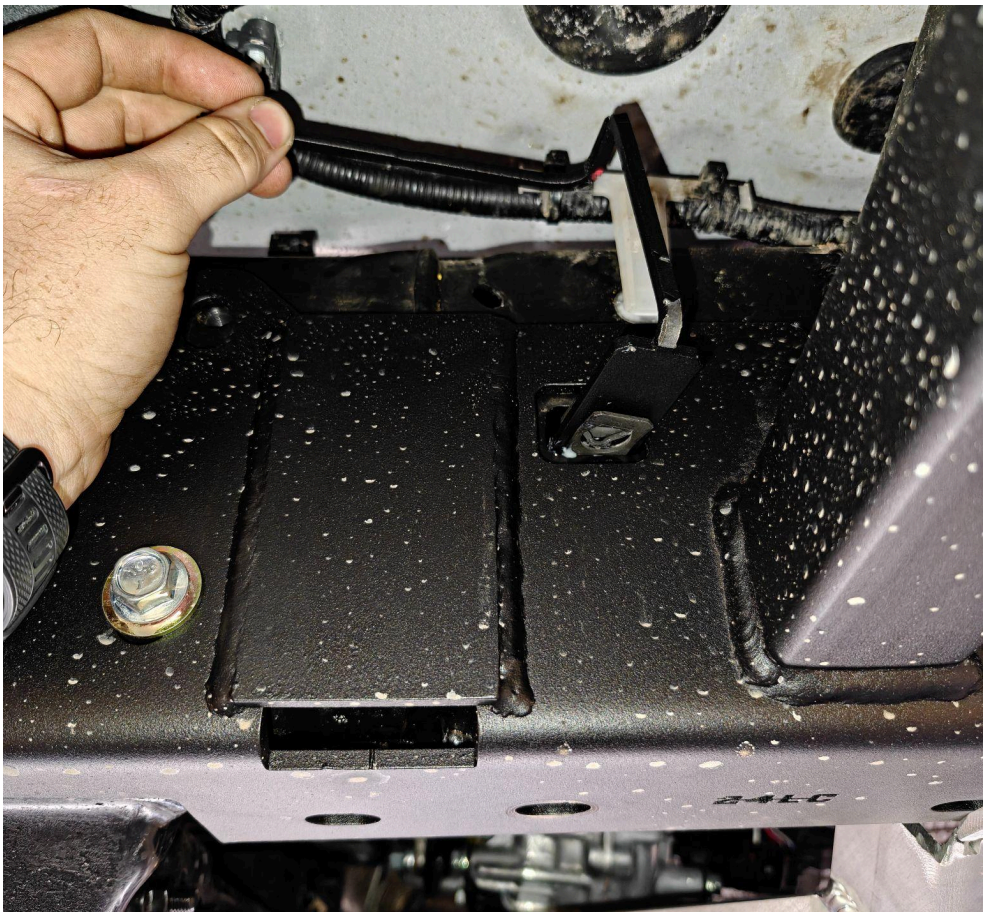




c. The front MP4 is installed from the outside of the frame with the M10 speed clip facing the front of the vehicle. Align the threaded hole of the front MP4 assembly with the second hole from the front of the bottom face of the RCI 24+ LC250 Slider Frameplate.



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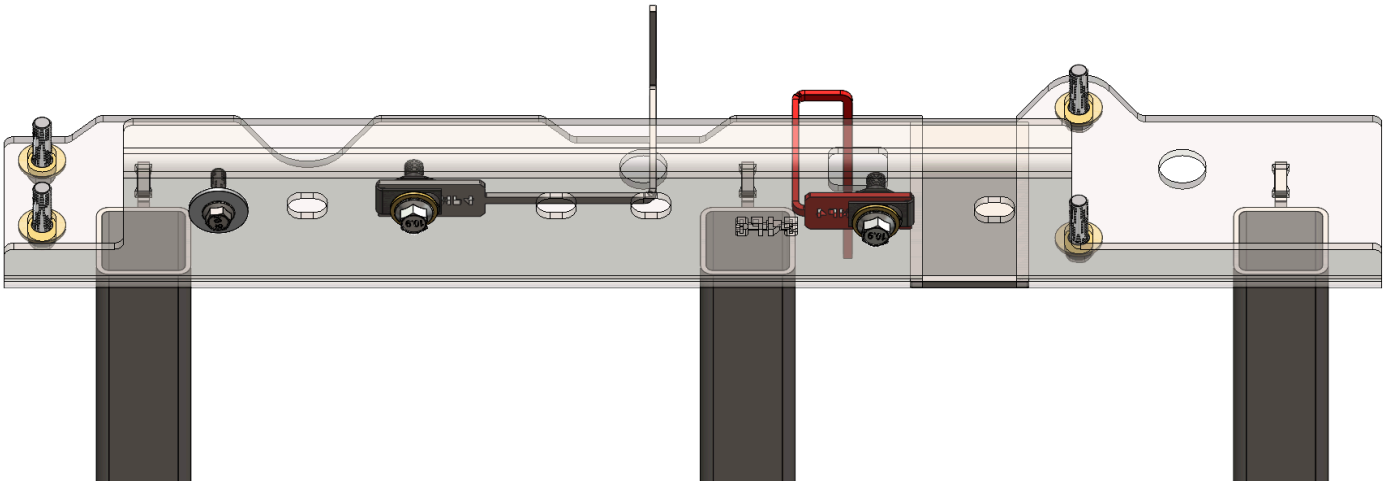
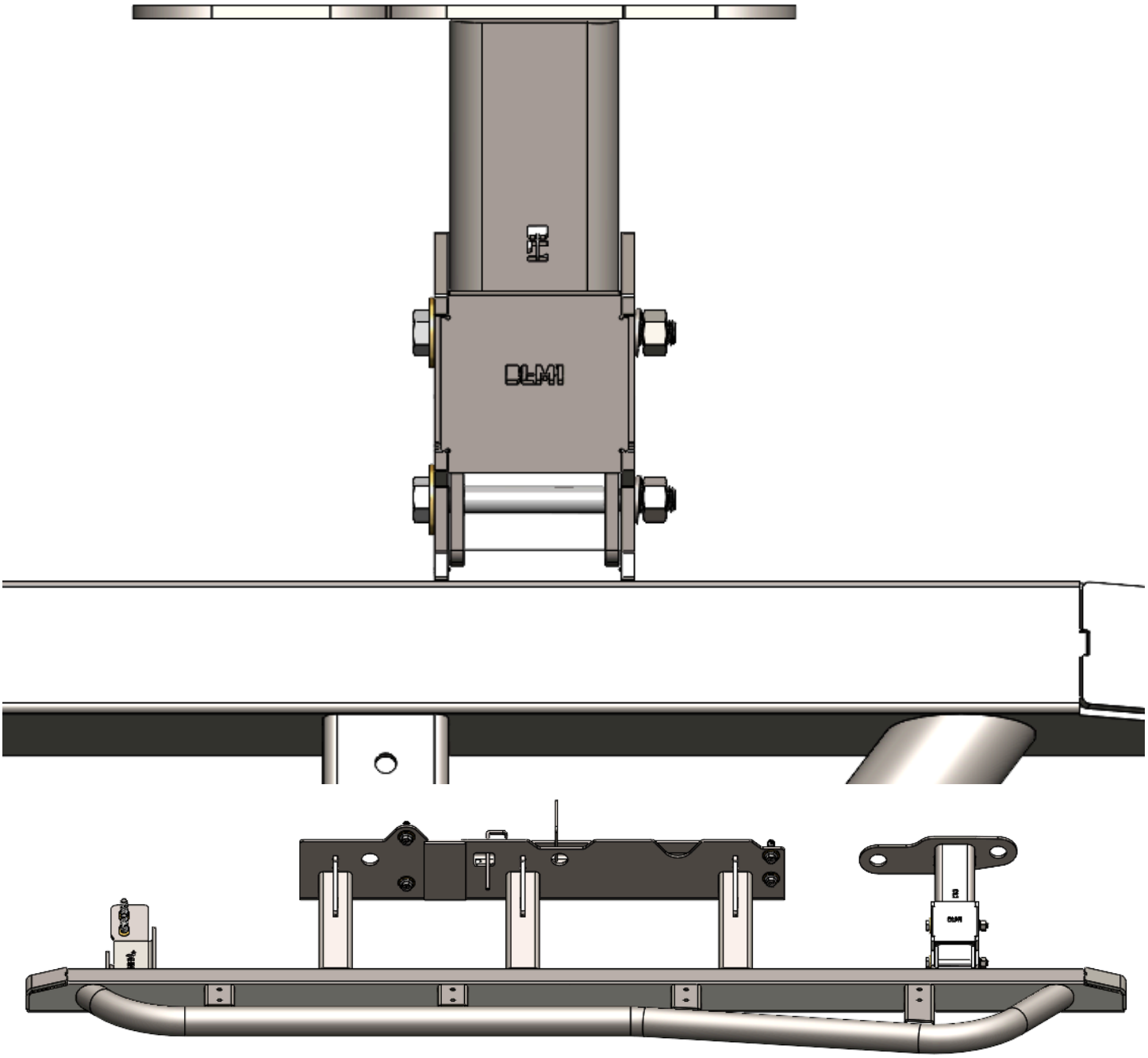
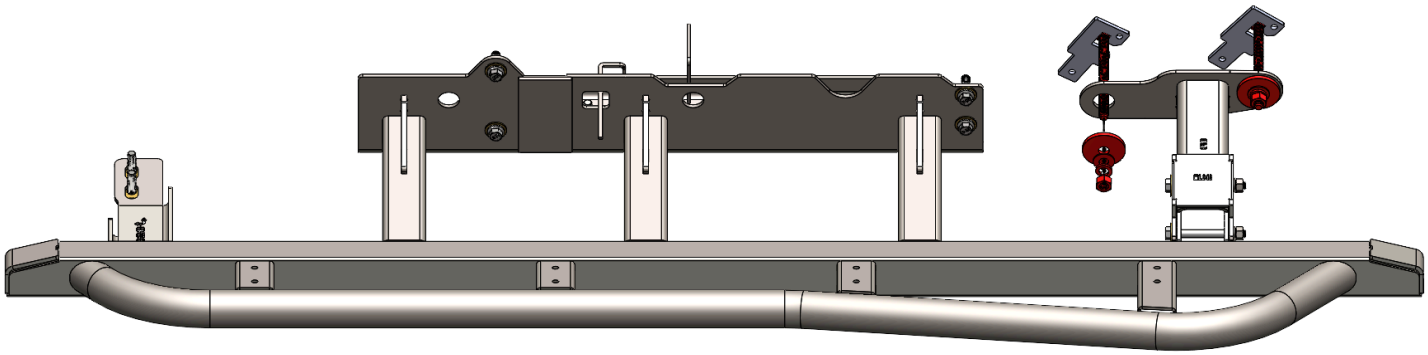
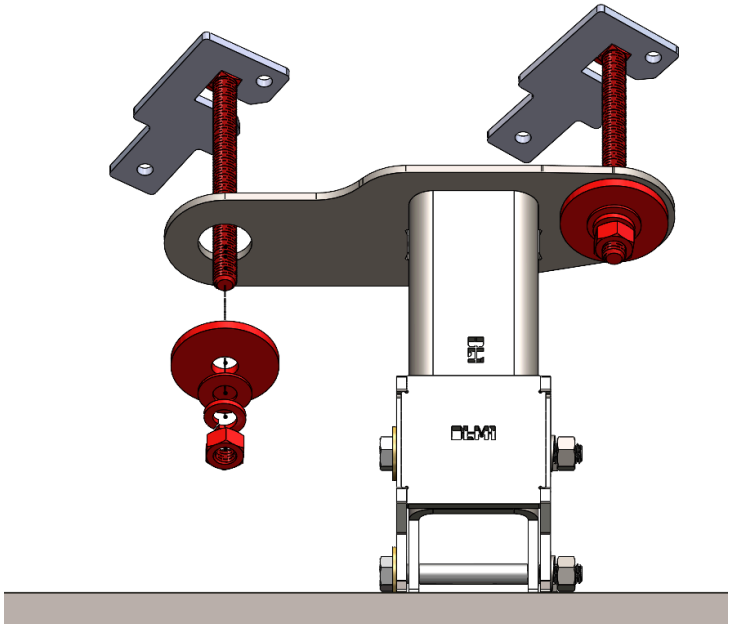


25. Align the rear bolt on-leg with the bolt-on leg mount welded to the main rail of the slider. Loosely install the pair of included 3/8" x 3.5” hex bolts, washers, split washers, and nuts.



26. From the inside of the frame, carefully feed a pair of 7/16” carriage bolts through the frame and through the rear bolt-on leg frameplate. Once through, loosely secure the carriage bolts with the supplied 7/16” carriage bolt plates, washers, lock washers, and nuts.





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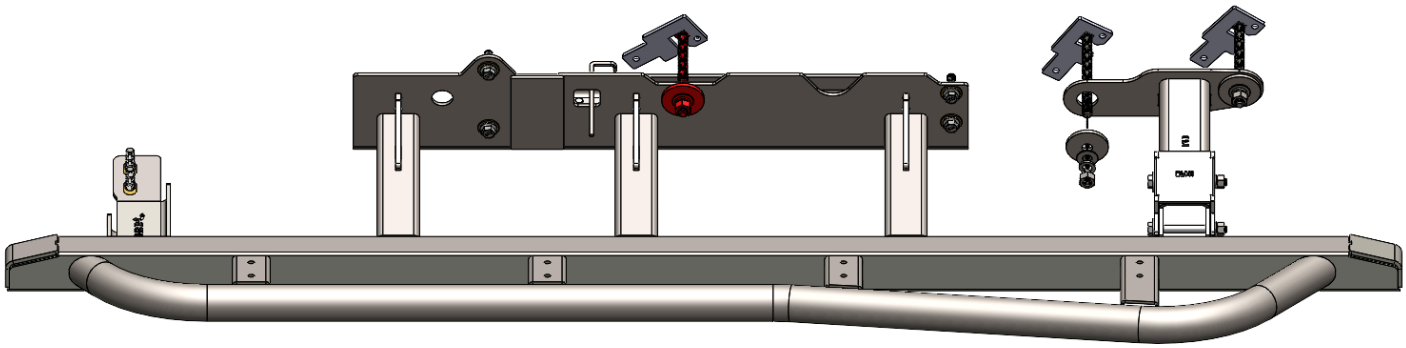
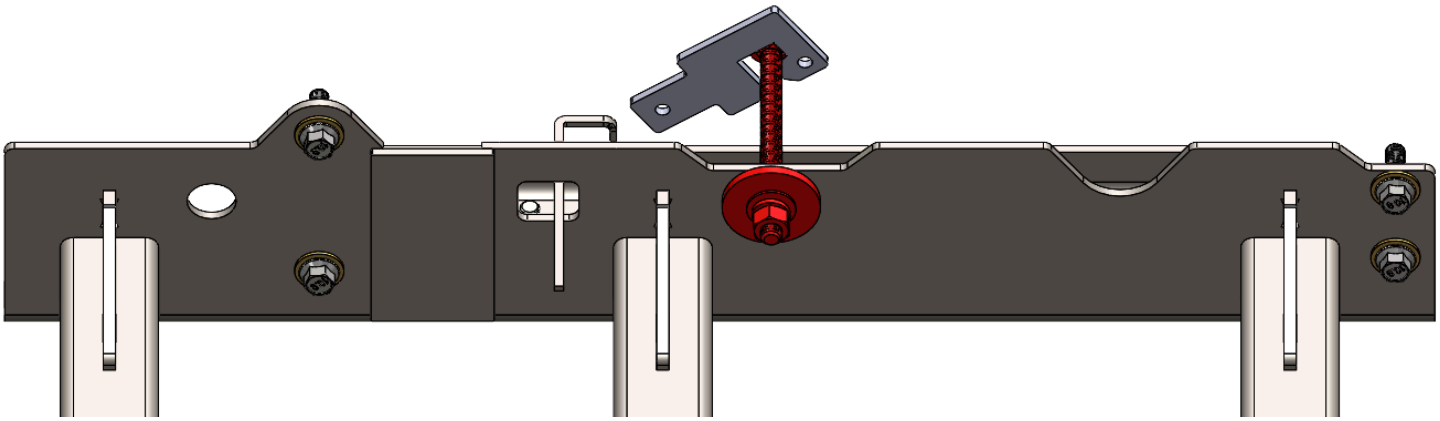
27. With the rear leg frame plate aligned with the frame of the vehicle, tighten the carriage bolts to secure the rear leg.
    a. Torque the 7/16” carriage bolts to 20 lb-ft.
    b. Torque the 5/16” carriage bolts to 12 lb-ft.

28. Tighten all of the lower hardware from the front leg and the main frame plate.
    a. Torque the M10 hardware to 60 lb-ft.
    b. Torque the M8 hardware to 30 lb-ft.

29. Finally, tighten the remaining M10 hardware to 60 lb-ft.

30. From the inside of the frame, feed another 7/16” carriage bolt through the remaining hole in the center of the frame plate and secure the carriage bolt with a plate, washers, split washer, and nut.
    a. This hole in the frame is shared with the remaining “tail” of the rear MP4 assembly. Please adjust the placement of the carriage bolt plate and MP4 tail does not obstruct the placement of the carriage bolt plate.





31. Inspect all hardware and ensure they are tightened to the following torque specs:
    a. Torque the 7/16” carriage bolts to 20 lb-ft.
    b. Torque the M10 hardware to 60 lb-ft.
    c. Torque the M8 hardware to 30 lb-ft.

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Enjoy your new RCI protection!

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