TIME FOR INSTALLATION
1-2 HOURS

MODERATE
SOME EXPERIENCE RECOMMENDED

24+ Toyota Tacoma Rear Tire Swing Out Installation Guide

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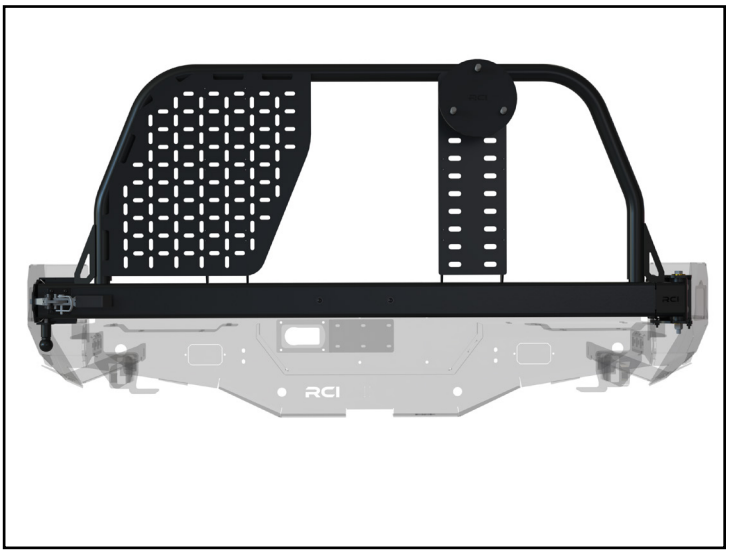
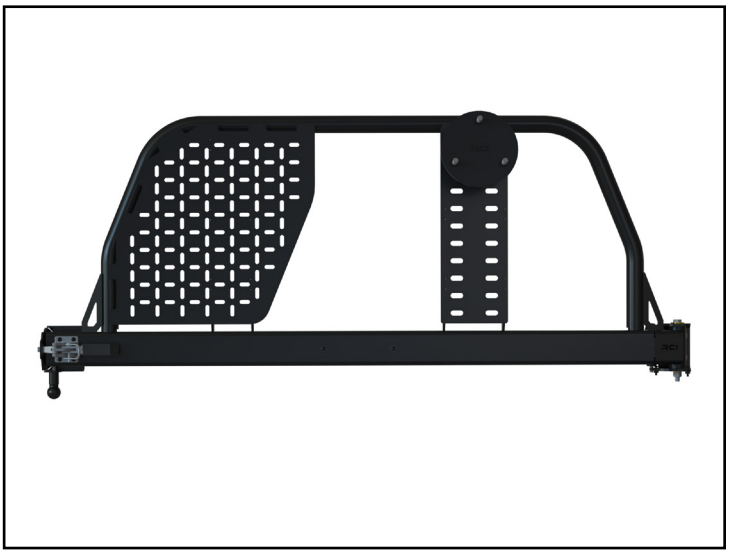
(970) 797-3089

Part Number	Description	Qty:
	24+ Taco Swing Out	1
	24+ Taco Latch Catch	1
	24+ Taco Tire Mount Channel Bottom	1
	24+ Taco Tire Mount Channel Top	1
SM–01223	24+ Taco Swing Out Hinge	1
SM–01243	24+ Tire Mount Spacer Plate	1
SM–01244	24+ Tacoma Pin Skid	1
3P–00357	1.5" Ball Spring Plunger	1
3P–00358	3" Ball Spring Plunger	1
3P–00531	.188 HDPE Wear Pad	4
3P–00532	Swing Out Bushing Delrin	2
3P–00533	Swing Out Bushing Inner Crush Sleeve	1
3P–00536	Swing Out Latch – Southco	1
3P–00539	Toyota Wheel Stud M14 x 1.5 x 45mm	3
HK–00178	24+ Taco Swing Out Hardware Kit:	1
HW–00017	1/4–20 x 7/8 Button Soc Cap Black	16
HW–00019	1/4 USS Flat Washer BLCK Zinc	18
HW–00022	1/2 USS Flat Washer Thru Hard	14
HW–00031	1/4–20 Keps Nut S.S. Black	16
HW–00133	1/2–13 Nylock Nut	13
HW–00215	1/2–13 x 1.5 Carriage Bolt	12
HW–00218	1/4 Clevis Pin Wire Lock	1
HW–00216	12–13 x 6 Hex Bolt	1
HW–00217	7/16–14 x 3.5 Carriage Bolt	2
HW–00044	7/16 USS Flat Washer Zinc	2
HW–00045	7/16 Split Lock Washer Zinc	2
HW–00047	7/16–14 FIN Hex Nut GR–5 Zinc	2





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

Read the entire notes and instructions before installation.

NOTE: Rear tire swing out is **ONLY** compatible with an RCI Rear Bumper.

DISCLAIMER:

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Installation of an RCI bumper requires removal of factory-installed components such as crash bars and foam impact absorbers. These components are designed for vehicle safety and impact absorption, and their removal may negatively impact occupant protection in a crash. RCI is not responsible for the removal of these components, and the owner/installer assumes all risks associated with their removal and any resulting consequences. It is the owner/installer's sole responsibility to understand the implications of removing these components before proceeding with installation. The installation of this RCI bumper, improper installation of this RCI bumper, and use or misuse of this RCI bumper with other components or failure to use it in conjunction with other components, could result in or cause serious personal injury, property damage or death.

RCI bumpers are not crash-tested and are intended for off-road use only. Vehicle owners are responsible for testing and recalibrating any affected sensors after bumper installation. While RCI may conduct preliminary sensor functionality checks during product development, this does not constitute testing to Original Equipment Manufacturer (OEM) specifications. RCI is not responsible and does not accept liability, for breakage or failure of parts as a result of rugged off-road use or reckless and/or improper installation. Modifications to your vehicle are done at your own risk and RCI does not accept liability or responsibility arising from damage caused by installing parts or doing modifications.

RCI performs off-road testing on its bumpers, including winch pulls, static and dynamic recovery pulls, and general off-road use. However, RCI is not liable for any damages arising from the use or misuse of its products. Customers are responsible for ensuring products are safely and properly attached to their vehicle, and professional installation is strongly recommended. After installing any off-road product, customers should test and recalibrate all safety sensors to ensure proper functionality. Do not rely on any safety sensor functionality until this verification is complete.

RCI Offroad bumpers with receiver hitches are not load rated. Using a receiver hitch for towing or other heavy-duty tasks is not recommended unless explicitly stated by the manufacturer. The bumper and receiver hitch are intended for off-road recovery use and not designed for sustained towing or load-bearing applications. Any misuse, such as towing or overloading, may result in bumper failure, vehicle damage, or personal injury. RCI is not responsible for any damages or injuries resulting from the use of the bumper with a receiver hitch beyond its intended purpose.

If an RCI product is purchased by a third party, such as a dealer, wholesaler, or installer, it is the third party's responsibility to inform the end customer of this disclaimer.

Installation Notes

Installation Notes:

RH refers to the passenger side of the vehicle.
LH refers to the driver side of the vehicle.
Always use the proper torque specifications.
If applicable to this installation, torque specifications will be listed throughout the document.
Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

General Safety:

Park your car in a safe, well lit, level area.
Shut the engine off and remove the key from the ignition switch.
Make sure any remote start devices are properly disabled.
ALWAYS wear safety glasses.
Make sure the parking brake is applied until the vehicle is safely lifted and supported.
Whether lifting a vehicle using an automotive lift or a hydraulic jack, utilize the factory specified lift points.
Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
ALWAYS support the vehicle with properly rated jack stands.
ALWAYS read and follow all safety information and warnings for the equipment you are using.

Required Tools:

1/4”, 3/8” & 1/2” Socket Sets & Ratchets
Floor Jack
Jack Stands
Combination Wrench Set
Plier Set
Torque Wrenches

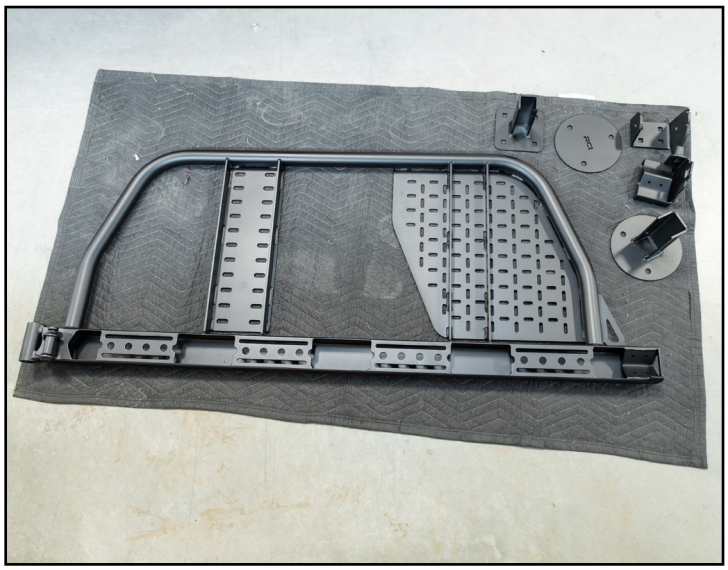
Installation Overview:

Before installation, remove all components and hardware from their packaging and verify that all the components are present.

Section 1: Installing the New Tire Swing Out

Step #1

Remove all components and hardware from their packaging and verify that all the components are present.



Step #2

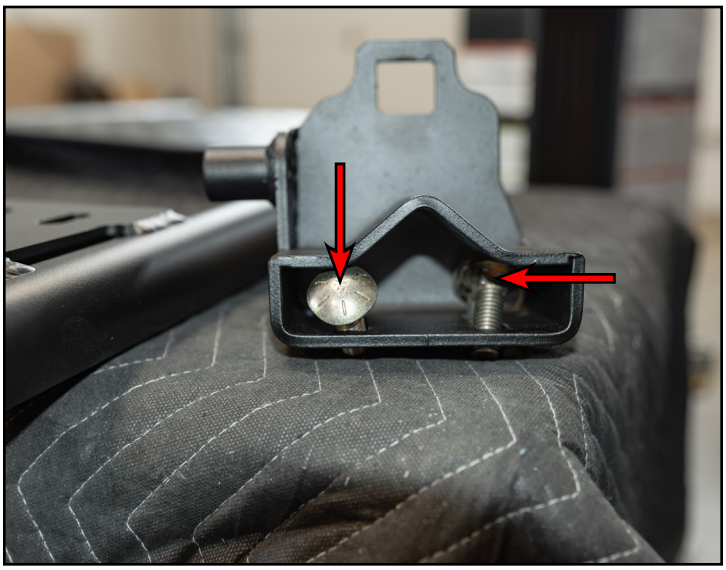
If previously installed, remove the RCI rear bumper to prepare for installation of the new RCI rear tire swing out. If purchased with an RCI rear bumper perform ***steps #3–5*** before installing the rear bumper.

NOTE: Rear tire swing out is **ONLY** compatible with an RCI 24+ Tacoma Rear Bumper.

Section 1: Installing the New Tire Swing Out

Step #3	

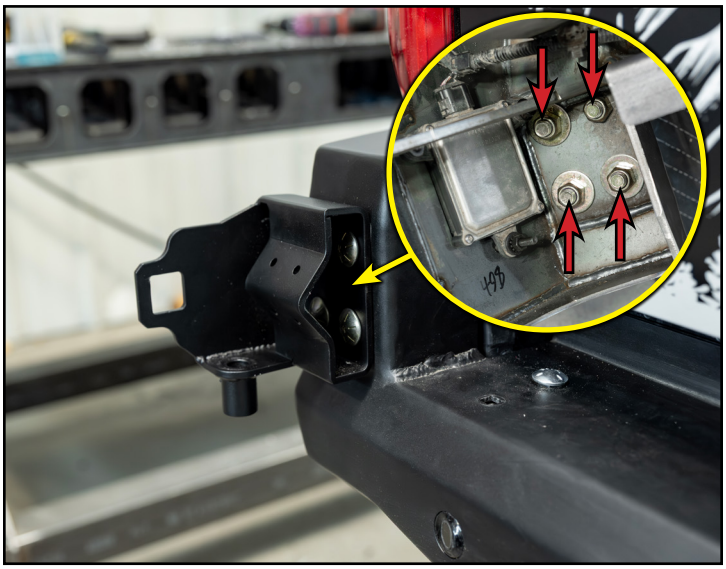
Install the provided 1/2" carriage bolts (arrows) into the slots for the LH swing out bracket.



Step #4	3/4" Socket & Torque Wrench

Align the carriage bolts with the mounting locations in the RCI rear bumper and install the bracket into place.

Secure the LH bracket with the provided 1/2" flat washer and nylock nut (arrows in inset photo), then torque the nuts to 80 Ft–lbs (108 Nm).



Section 1: Installing the New Tire Swing Out

Step #5	3/4" Socket & Torque Wrench

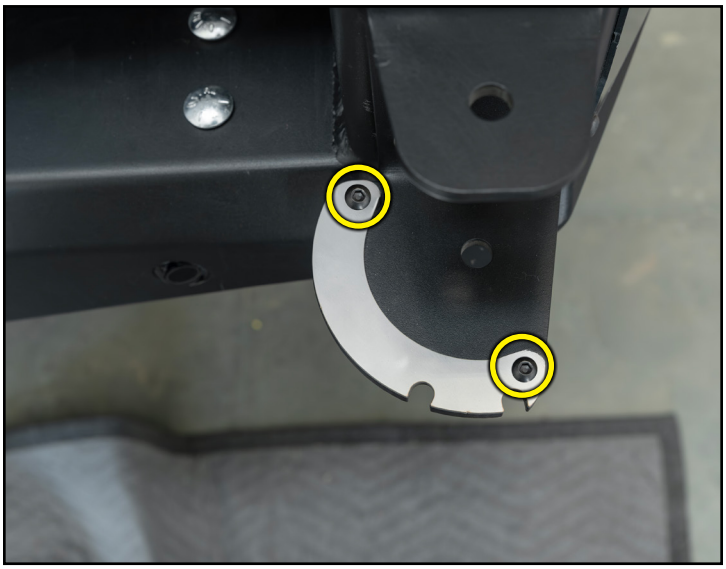
Install the provided 1/2" carriage bolts (circled in YELLOW) into the RH rear tire swing out bracket and align the carriage bolts with the mounting locations in the RCI rear bumper.

Secure the bracket to the bumper with the provided 1/2" flat washer and nylock nut, then torque the nuts to 80 Ft–lbs (108 Nm).

Once the brackets are fully installed onto the RCI rear bumper, reinstall/install the rear bumper onto the vehicle. Reference the RCI 24+ Tacoma rear bumper installation guide.

Step #6	4mm Hex (Allen) & 7/16 Wrench

Install the provided stainless steel pin skid onto the bracket and secure it in place using the 1/4" hardware (circled in YELLOW).



Section 1: Installing the New Tire Swing Out

Step #7	Soft Faced Hammer

Install the provided delrin bushings (highlighted in **GREEN**) into the rear tire swing out as shown.

Tech tip: Use a synthetic grease to lubricate the delrin bushings prior to installation.

Step #8	Soft Faced Hammer

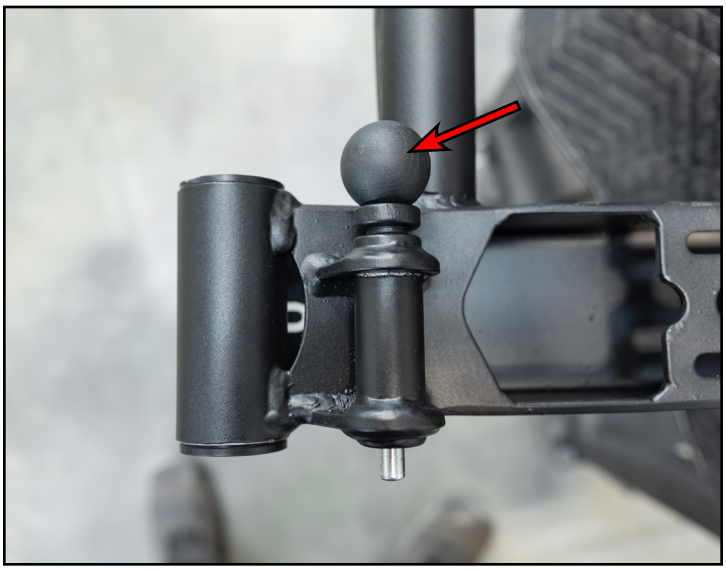
Install the provided bushing inner crush sleeve (highlighted in **GREEN**) into the previously installed bushings in the rear tire swing out as shown.

Tech tip: Use a synthetic grease to lubricate the crush sleeve prior to installation.

Section 1: Installing the New Tire Swing Out

Step #9	

Install the 3" threaded ball spring plunger (arrow) into the threaded mounting location on the inside of the RH side of the rear tire swing out.

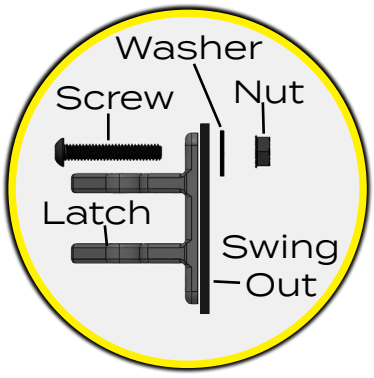


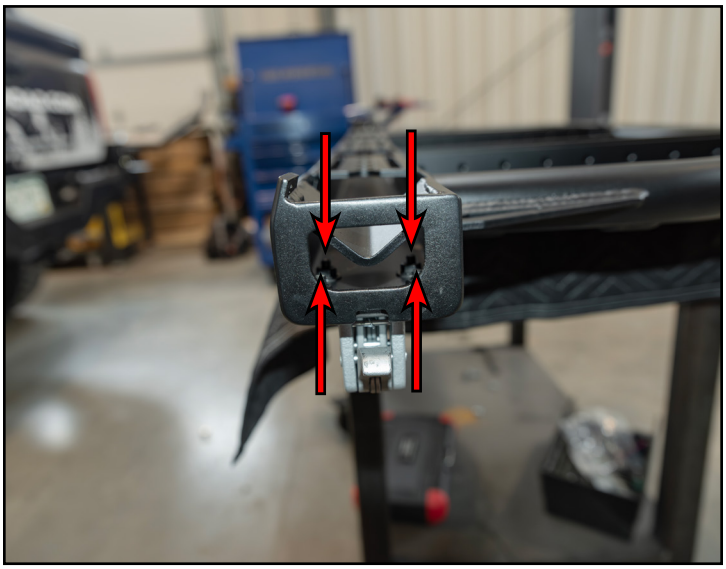
NOTE: This ball spring plunger locks the swing out open, and can be released by pulling the ball plunger downward to close the swing out.

Tech tip: Apply blue thread–locker to the threads of the ball spring plunger prior to installation.

Step #10	4mm Hex (Allen) & 7/16 Wrench

Secure the provided swing out latch to the rear tire swing out with the provided 1/4" hardware (arrows).



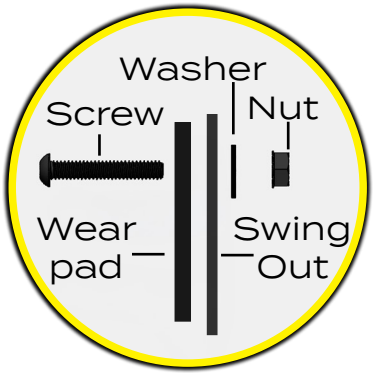


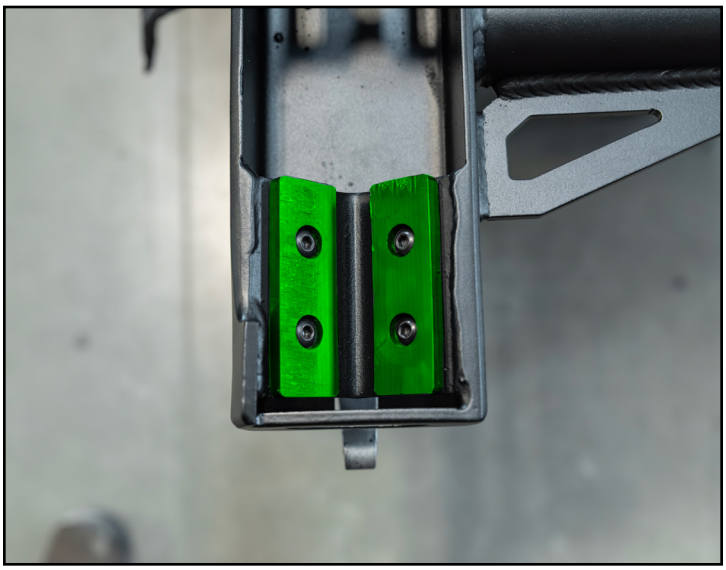
Tech tip: To assist starting to thread the provided 1/4" screw into the nut, use masking tape on the backside of a 7/16" wrench and place the provided nut into the boxed end.

Section 1: Installing the New Tire Swing Out

Step #11	4mm Hex (Allen) & 7/16 Wrench

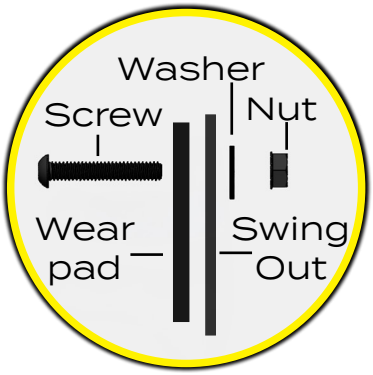
Install the provided wear pads (highlighted in **GREEN**) into place on the swing out and secure them using the provided 1/4" hardware (as shown in the inset photo below).





Step #12	4mm Hex (Allen) & 7/16 Wrench

Install the provided wear pads (highlighted in **GREEN**) into place on the mounting bracket and secure them using the provided 1/4" hardware (as shown in the inset photo below).



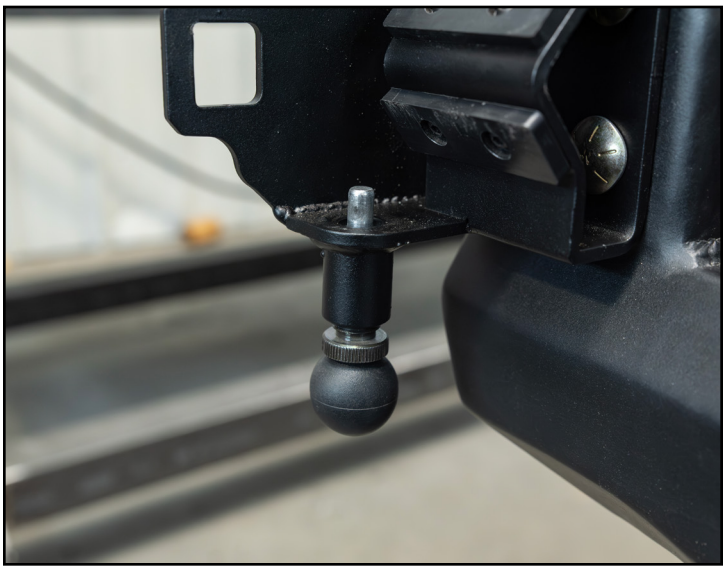
Section 1: Installing the New Tire Swing Out

Step #13	

Install the 1.5" threaded ball spring plunger into the mounting location on the LH rear tire swing out bracket previously installed.

NOTE: This ball spring plunger locks the swing out closed, and can be released by pulling the ball plunger downward to open the swing out.

Tech tip: Apply blue thread–locker to the threads of the ball spring plunger prior to installation.



Step #14	3/4" Socket & Torque Wrench

Lift the assembled rear tire swing out and align the RH mounting location with the previously installed bracket. Secure the swing out to the bracket using the provided 1/2" hardware and torque the nut (arrow) to 90 Ft–lbs (122 Nm).

The swing out is fully functional at this stage and can be latched closed or latched open for the remaining installation steps.

Tech tip: Having a friend to assist will make this installation easier.

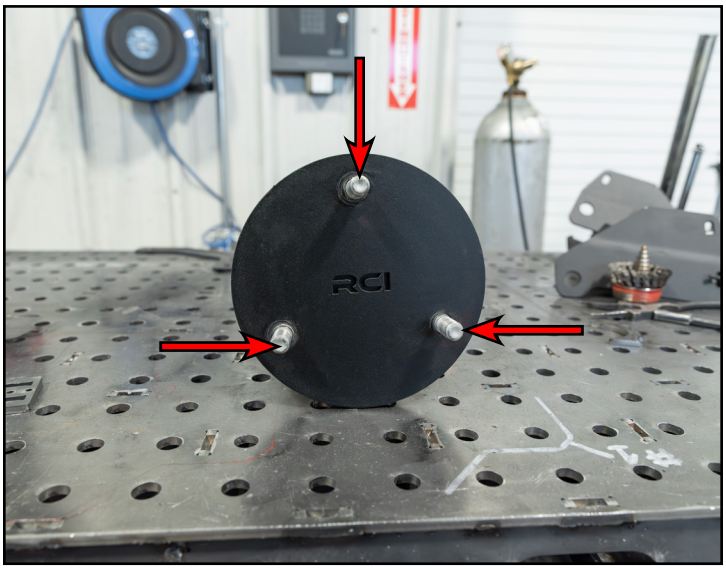
Section 1: Installing the New Tire Swing Out

Step #15	3/4" Socket & Torque Wrench

Secure the tire carrier bracket to the rear tire swing out with the provided carriage bolts (circled in **YELLOW**) and torque the nuts to 90 Ft–lbs (122 Nm).

Step #16	Stud Installation Tool –OR– Hammer

Align the holes in the logo plate with the tire mount bracket, then install the studs (arrows) through the bracket mount and the logo plate until they are fully seated into place.

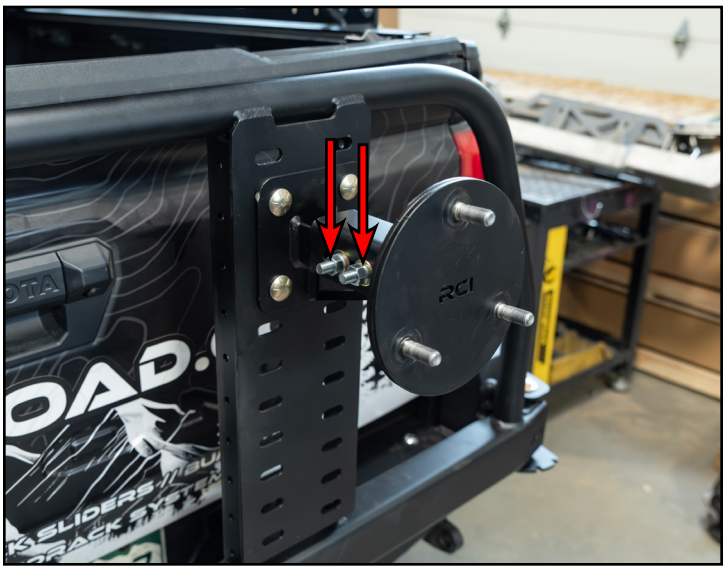


Tech tip: If using a hammer or a stud installation tool isn't available, the studs can be installed with an open ended lug nut and a stack of washers that clear the wheel lug studs, that can be tightened to fully install the studs.

Section 1: Installing the New Tire Swing Out

Step #17	11/16 Socket & Torque Wrench

Slide the assembled tire mount bracket to the previously installed bottom bracket, then secure the brackets together using the provided 7/16" hardware (arrows), and torque the hardware to 60 Ft–lbs (81 Nm).



Step #18	Lug Nut Socket & Torque Wrench

Install the spare tire to the previously installed tire mount, and torque the lug nuts to manufacturers torque specifications. Mount any other accessories to the LH panel as desired.

Tech tip: After use the bushing surfaces can dry out and cause a squeak, periodically lubricate with PTFE lubricant.

CONGRATULATIONS, YOUR INSTALLATION IS COMPLETE!

ENJOY YOUR NEW RCI PROTECTION!

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We love seeing our products in the wild!

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