

C4 Fabrication Rock Slider Installation

14+ 5th Gen 4Runner w/o KDSS

Thank you for your purchase of the C4 Fabrication's 5th Gen 4Runner Rock Sliders! This product was carefully crafted to ensure a perfect fit with your vehicle. The instructions below are provided to allow for an easier installation. We encourage you to refer to these regularly for optimal efficiency during installation.

If you are installing a fuel tank skid with the sliders or already have a tank skid, the sliders will need to be installed first, then the tank skid will fit on top of the rock slider frame mounting plate.

HARDWARE INCLUDED:

- Driver side rock slider (Labeled DFT)
- (1) Passenger side rock slider (Labeled PFT)
- (31) 8mm x 25mm bolts (10.9 Steel Grade)
- (33) Flat washers
- (2) 3/8" thread cutting screws
- (1) 3/8" x 4 1/2" bolt
- (1) Nut
- (1) Split washer
- If steps were purchased with rock sliders they should come attached with 10-24 torx pan head screws installed
- (3) Extra 10-24 torx pan head screws

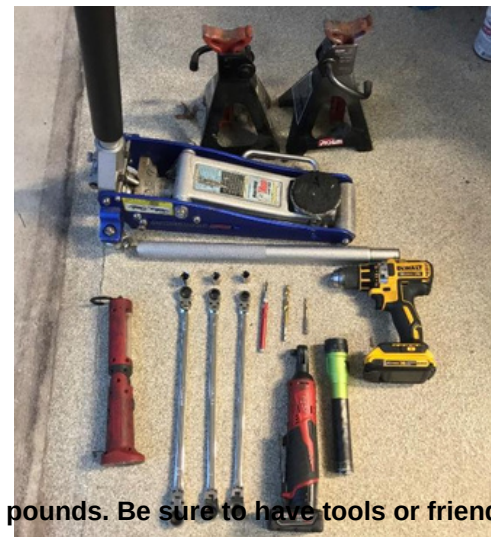


TOOLS REQUIRED:

- (1) 12mm wrench or socket
- (1) 13mm wrench or socket
- (2) 9/16 wrenches or sockets or combination of one of each
- (1) Drill
- (1) 5/16" Drill Metal drill bit
- (1) Floor jack or buddy to help lift sliders up into position
- (2) Jack stands to support the sliders' weight
- (1) Torque Wrench (Capable of 30 lb-ft)

RECOMMENDED TOOLS:

- Socket extensions
- (1) Center punch
- Flash Light
- Gloves
- Safety Glasses
- (1) 5/8" Metal drill bit



! SAFETY FIRST ! Each rock slider weighs approximately 60-65 pounds. Be sure to have tools or friends that can safely support this weight while you align the bolts— this may take more than a few minutes.

INSTALLATION INSTRUCTIONS

Drivers Side:

- (1) Driver's side rock slider (Labeled DFT)
- (20) of the 8mm x 25mm bolts and washers
- 12mm socket or wrench
- 13mm socket or wrench
- Jack or a buddy to lift slider in position
- Jack stands
- Torque Wrench

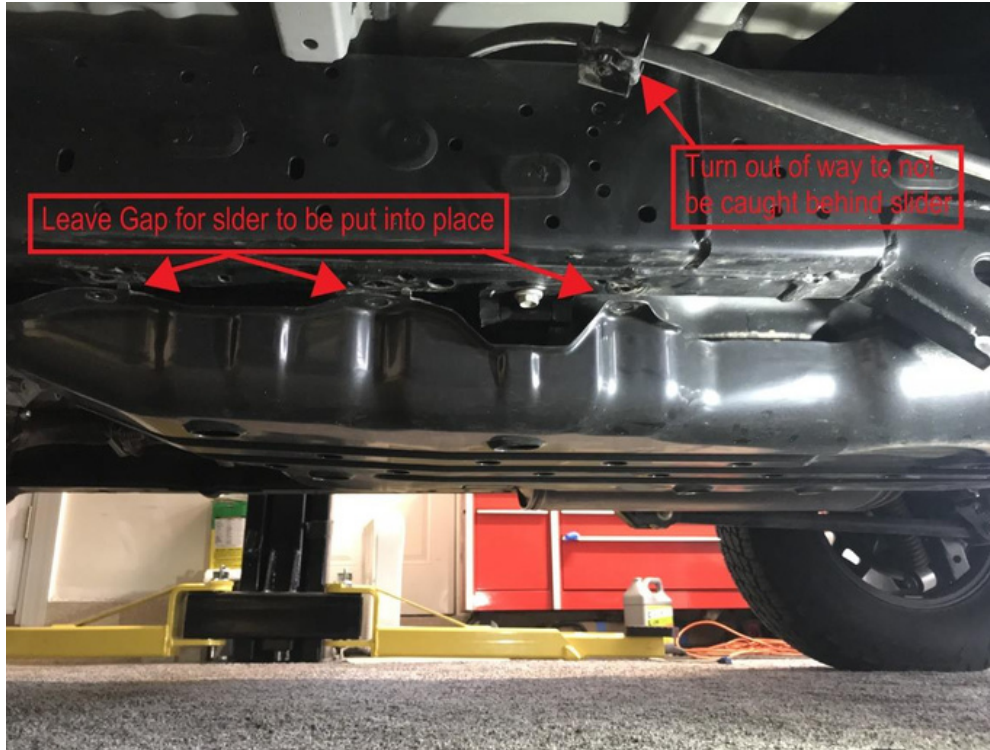
Preparation:

1) Using a 12mm wrench or socket remove the three 8mm bolts from the bottom of the frame rail that hold the factory fuel tank skid into place, set these aside they will not be reused. Let the cover hang down a couple inches so the slider can be put into place on the frame. (see below for an additional step to make fuel tank skid sit lower)

2) Using a 12mm wrench or socket, remove factory 8mm bolt holding the e-brake cable bracket onto the frame rail. (set aside this bolt will not be reused) **Rotate the bracket so it is out of the way of the rock slider frame mounting plate**

3) If you purchased step pads with your rock sliders, ensure that all the hardware is installed and tightened prior to installing the rock sliders on the vehicle. **DO NOT OVERTIGHTEN STEP PAD SCREWS! Use a nut driver with T-2 bit and tighten screws by hand.**





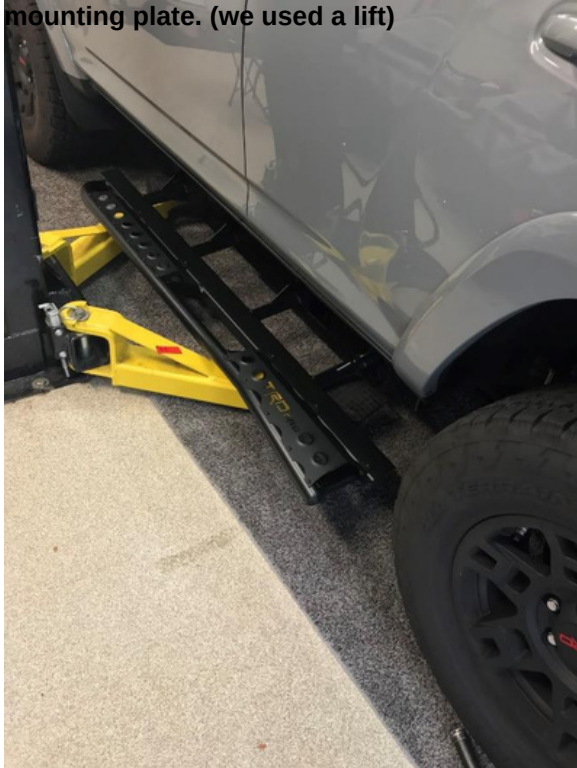
*****Additional step this is not required*****

Using a 12mm socket set up with extensions you may loosen or remove the rear drivers side fuel tank skid plate mounting bolt if you want the skid plate to hang lower making it easier to get the slider in place. See depiction below.



Install:

1) With the help of a floor jack or buddies, lift the rock slider up into position on the frame rail, making sure that the e-brake cable mounting bracket does not get caught between the vehicle frame and the rock slider mounting plate. (we used a lift)



2) Once the rock slider is in position, support it with jack stands while you align the bolts.

3) Push in one of the supplied 8mm bolts with flat washer through one of the top holes on each end of the slider frame plates and thread the bolt into the threaded hole in the vehicle frame rail. **DO NOT TIGHTEN THESE TWO BOLTS YET.**

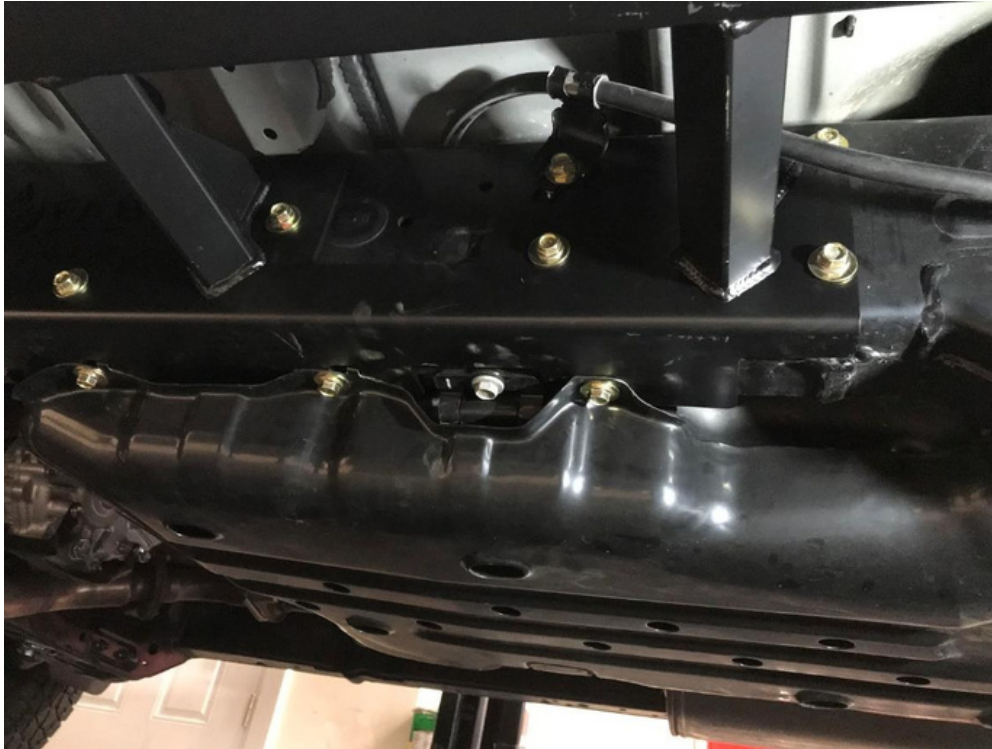
4) Now that the slider is hanging in position on its own by the two top bolts, thread the remaining 8mm bolts with flat washer into all available threaded holes. Align the original or C4 Fab fuel tank skid on top of the rock slider mounting plate on the bottom of the frame and thread in the 3 bolts for the skid plate. **DO NOT REINSTALL THE E-BRAKE BRACKET YET.** We recommend only threading in each bolt partially to allow for any necessary adjustments and proper torqueing.

5) Once you have completely aligned and partially threaded in all 19 bolts align your e-brake bracket into its original position over the top of the Rock slider mounting plate. Using another 8mm bolt with flat washer reinstall the e-brake bracket only partially threading your bolt into place.

6) Using a 13mm socket or wrench begin snugging down all 20 mounting bolts on the driver's side rock slider. We suggest starting with the 3 skid plate mounting bolts and then moving to the 2 bottom crossmember mounting bolts and finishing with the frame rail bolts.

7) Using your torque wrench and a 13mm socket torque down all mounting hardware to a max of 30 lb-ft.

*****If you removed or loosened the rear skid plate bolt in the additional step do not forget to reinstall and tighten*****





Passenger Side:

****NOTE: The passenger side rock slider does not utilize all the mounting holes through the slider mounting plate because some of the holes on the vehicle frame are not threaded or do not exist. ****

- Passenger side rock slider (Labeled PFT)
- (11) of the 8mm x 25mm bolts and washers
- 12mm socket or wrench
- 13mm socket or wrench
- Jack or a buddy to lift slider in position
- Jack stands
- (2) 9/16 wrenches or sockets or combination of one of each
- Drill
- (1) 5/16" Drill Metal drill bit
- (1) Torque Wrench (Capable of 30 lb-ft)

RECOMMENDED:

- Center punch
- Safety Glasses
- 5/8" Metal drill bit

Preparation:

1): Using a 12mm wrench or socket factory 8mm bolt holding the e-brake cable bracket onto the frame rail. (set aside bolt, this will not be reused) **Rotate the bracket so it is out of the way of the rock slider frame mounting plate.**

2) If you purchased steps with your rock sliders ensure that all the hardware is installed and tightened prior to installing the rock sliders on the vehicle! **DO NOT OVERTIGHTEN STEP PAD SCREWS! Use a nut driver with T-25 bit and tighten screws by hand.**



Install:

1) The passenger side rock slider install is very similar to the driver's side and as noted above does not have as many mounting points due to shortage of threaded holes on the frame rails from the factory. Follow mounting steps 1-3 from the driver's side to get the rock slider in the proper position.

2) Now that the slider is hanging in position on its own by the two top bolts, thread the remaining 8mm bolts with flat washer into all available threaded holes to include. **DO NOT REINSTALL THE E-BRAKE BRACKET YET.** We recommend only threading in each bolt partially to allow for any necessary adjustments and proper torquing.

3) When installing the passenger side slider, there is one hole along the bottom edge of the frame rail, about halfway down next to the exhaust hanger, that is open through to the inside of the frame rail. This hole is where the 3/8" x 4 1/2" supplied bolt goes through the slider mounting plate and all the way through the frame rail. Install this bolt so that the split washer and nut go on the inside of the frame rail, do not torque down yet leave loose. (the stack up should be bolt head, flat washer, rock slider, frame rail, flat washer, split washer, and nut)

5) At the front bottom of the passenger slider where the flange meets the transmission cross member, two 5/16" holes will need to be drilled into the cross member where the holes are in the frame mounting plates. After the two 5/16" holes are drilled, the two 3/8" thread cutting screws can be threaded into the holes using a drill or ratchet and socket. (see below for an additional step to assist with drilling)



*****Additional step this is not required*****

You may use a center punch to keep your drill bit aligned and not dance around while you are trying to be precise.



6) Once you have completely aligned and partially threaded in all hardware ((10) 8mm bolts with washers, (2) 3/8 threading screws, and (1) 3/8" x 4 1/2" bolt with washers and nut) align your e-brake bracket into its original position over the top of the Rock slider mounting plate. Using another 8mm bolt with flat washer reinstall the e-brake bracket only partially threading your bolt into place.



7) Using a 13mm socket or wrench begin to snug down all 11 mounting bolts on the passenger's side rock slider. We suggest starting with the 1 bottom mounted bolt and then moving to the 2 bottom crossmember mounting bolts you drilled this will require a 9/16" socket. **DO NOT OVERTIGHTEN 3/8" THREAD CUTTING SCREWS!** The screws should be snugged up against the lower flange just enough to pull it tight to the frame. If the screws are overtightened, they may strip out the threads that were created in the frame. Move back to the 13mm socket and snug the frame rail bolts and finishing with the bolt that goes all the way through the frame rail using a 9/16" socket or wrench.

8) Using your torque wrench and the proper sized sockets torque down all mounting hardware (except 3/8" thread cutting screws if used) to a max of 30 lb-ft. Finishing with the bolt that goes through the frame rail using a 9/16" socket on the torque wrench while placing a 9/16" wrench on the bolt head side **NOTE do not exceed a max of 30 lb-ft to refrain from crushing the frame rail.**



Left Over Hardware:

- (3) Spare torx pan head screws for steps
- (3) Factory fuel tank skid plate bolts
- (2) Factory E-Brake clamp mounting hardware





INSTALL COMPLETE!

Install Guide for KDSS: <https://www.toyota-4runner.org/5th-gen-t4rs/228685-how-install-rock-sliders-kdss.html>