

TIME FOR INSTALLATION

30 MINS. - 1 HOUR



EASY

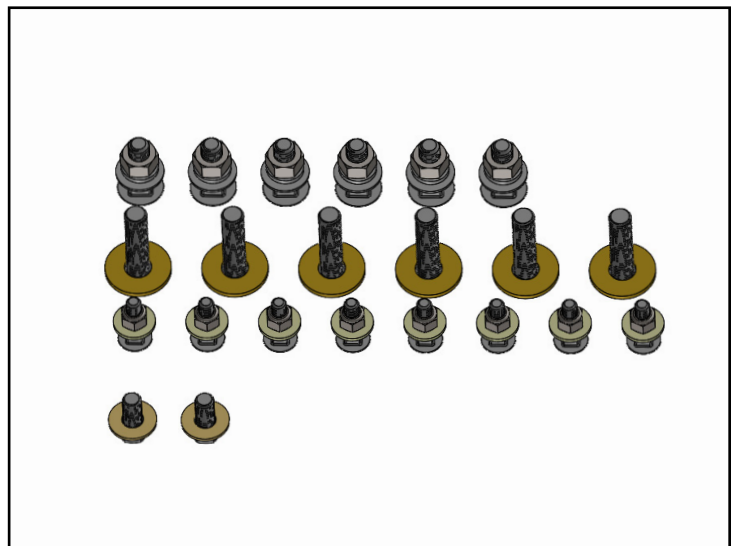
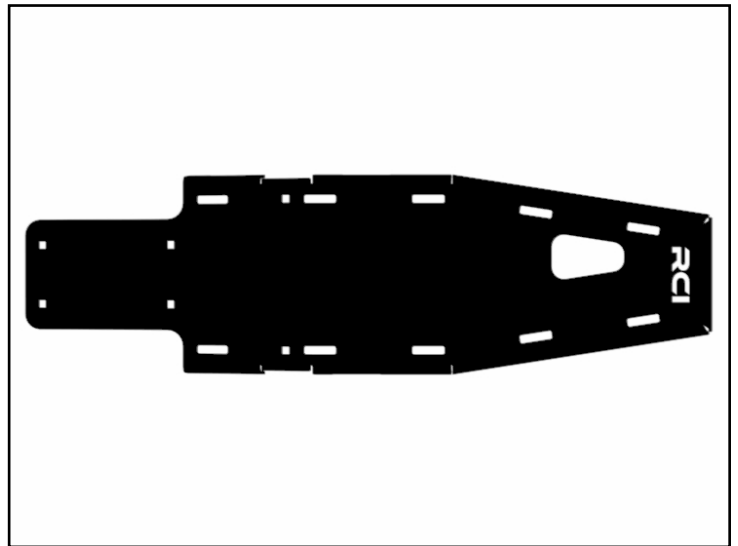


BASIC SKILLS  
REQUIRED

# 18+ JEEP JLU Wrangler Transmission Skid Plate Installation Guide

Contact RCI: [SALES@RCIOFFROAD.COM](mailto:SALES@RCIOFFROAD.COM)  
(970) 797-3089

Part Number	Description	Qty:
SM-01271	JLU Transmission Skid	1
SM-01269	JLU Front Bracket Driver	1
SM-01270	JLU Front Bracket Passenger	1
SM-01273	JLU Stand Off Middle	1
SM-01268	Trans Side Flange	2
HK-00180	JLU Transmission Skid KIT	1
HW-00203	M12-1.5 x 50mm Hex Flange Bolt	6
HW-00022	1/2 USS Flat Washer Thru Hard	6
HW-00045	7/16 Split Lock Washer Zinc	6
HW-00047	7/16-14 FIN Hex Nut GR-5 Zinc	6
HW-00044	7/16 USS Flat Washer Zinc	6
HW-00037	5/16 USS Flat Washer Zinc	8
HW-00026	3/8 USS Flat Washer Thru Hard	2
HW-00062	5/16-18 Nylon Insert Lock Nut	8
HW-00219	M10-1.5 x 20mm Flange Hex Bolt Zinc	2
HW-00179	5/16-18 x 1.25 Carriage Bolt Zinc	8
HW-00188	7/16-14 x 1.5 Carriage Bolt GR-5	6
SM-01034	Mounting Plate #2	2



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

**Read the entire notes and instructions before installation.**

# 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

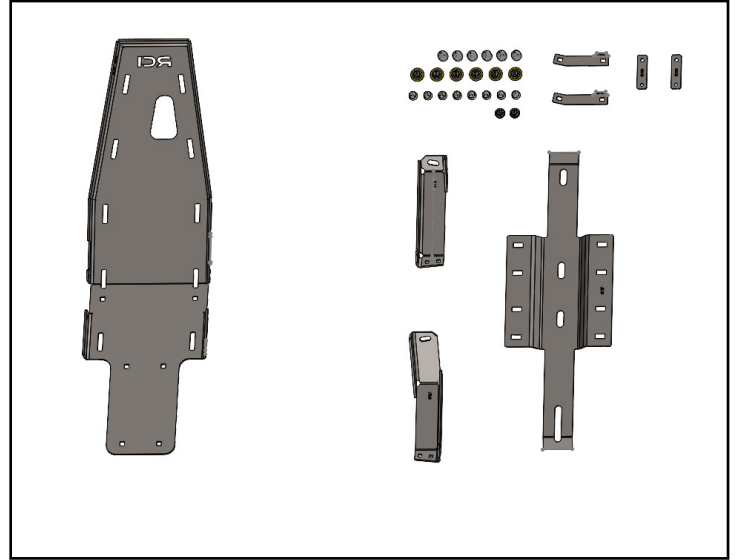
## Installation Overview:

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

# Section 1: Removing the Stock Components

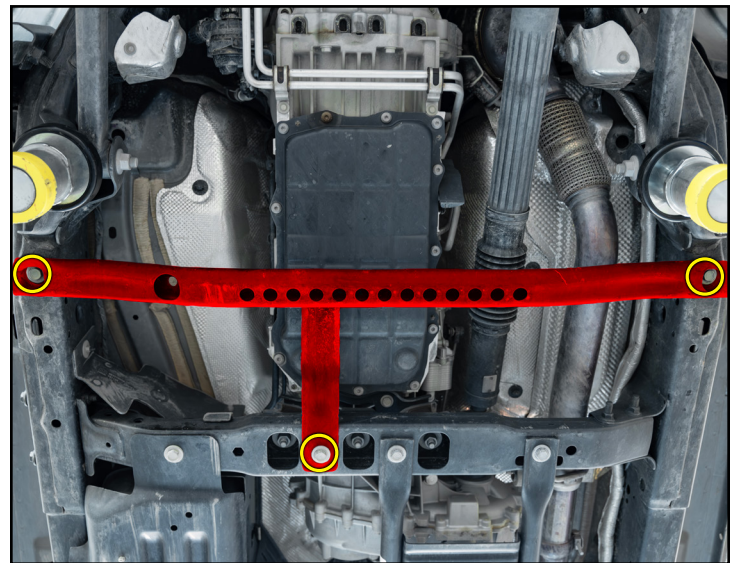
## Step #1

Remove all of the components and hardware from its packaging, then verify all the components are present.



## Step #2 18mm Socket & Ratchet

Support the front cross brace (highlighted in **RED**) from underneath, then remove the bolts (circled in **YELLOW**) that secure the front cross brace to the vehicle. Remove the front cross brace and set it aside.

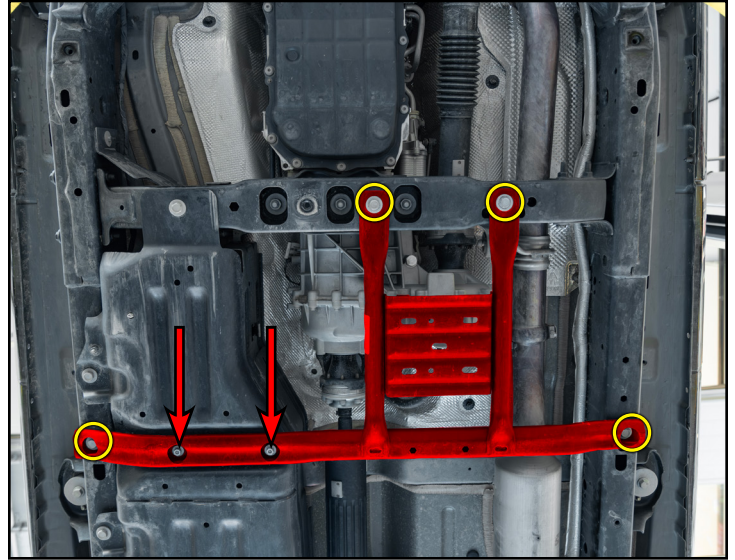


## Section 1: Removing the Stock Components

### Step #3a 13mm Socket, 18mm Socket & Ratchet

Support the rearmost cross member (highlighted in **RED**) from underneath. Remove the nuts (arrows), then remove the bolts (circled in **YELLOW**) that secure the rear cross member to the vehicle. Remove the cross member and set it aside.

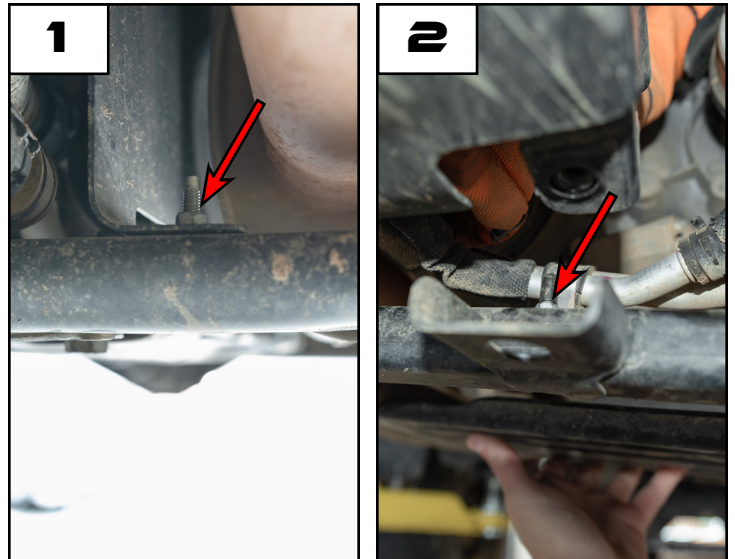
**For NON-4xE Installations:** skip ahead to **step 5**.



### Step #3b 10mm Socket & Ratchet

**For 4XE installations only:** Remove the nut (arrow in **photo #1**) that secures the bracket to the rearmost cross member.

Remove the nut (arrow in **photo #2**) that secure the lines to the rearmost cross-member.

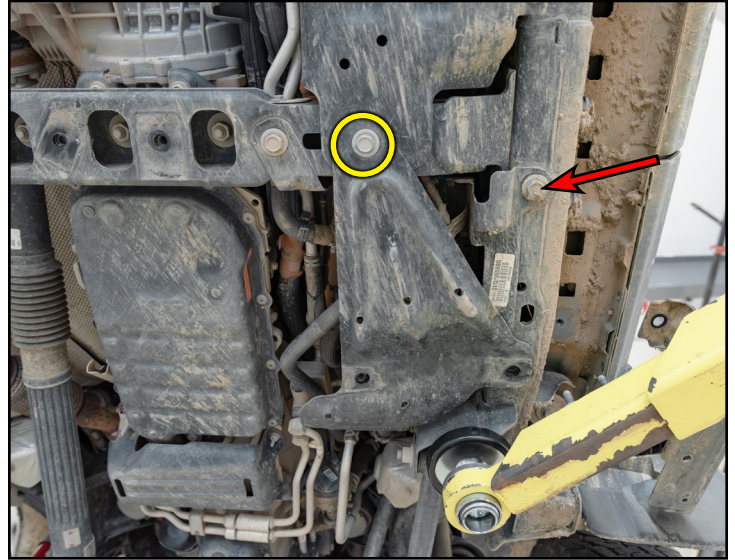


## Section 1: Removing the Stock Components

### Step #4 18mm Socket & Ratchet

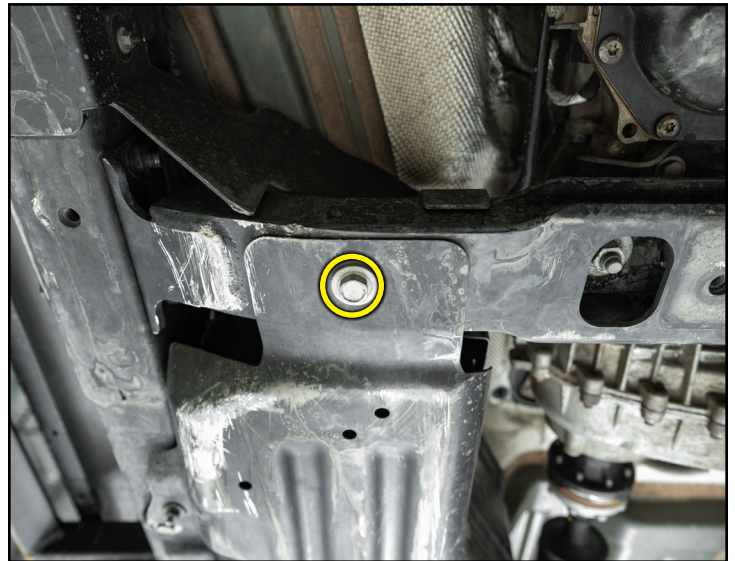
***For 4XE installations only:*** remove the bolt (circled in **YELLOW**) that secures the front skid plate to the vehicle, then remove the skid plate and set it aside.

Remove the bolt (arrow) that secures the bracket to the frame and set it aside.



### Step #5 18mm Socket & Ratchet

Remove the bolt (circled in **YELLOW**) that secures the front of the fuel tank skid to the cross-member and set it aside.



## Section 2: Installing the New Skid Plate

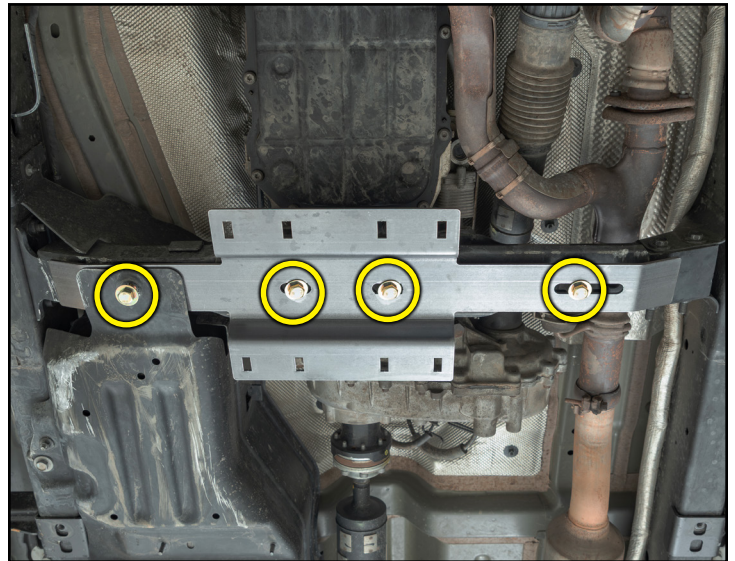
### Step #1 9/16 Socket & Ratchet

Install the provided LH & RH front mounting brackets onto the engine/transmission skid plate and loosely secure them in place with the provided XX hardware (circled in **YELLOW**).



### Step #2 19mm Socket & Ratchet

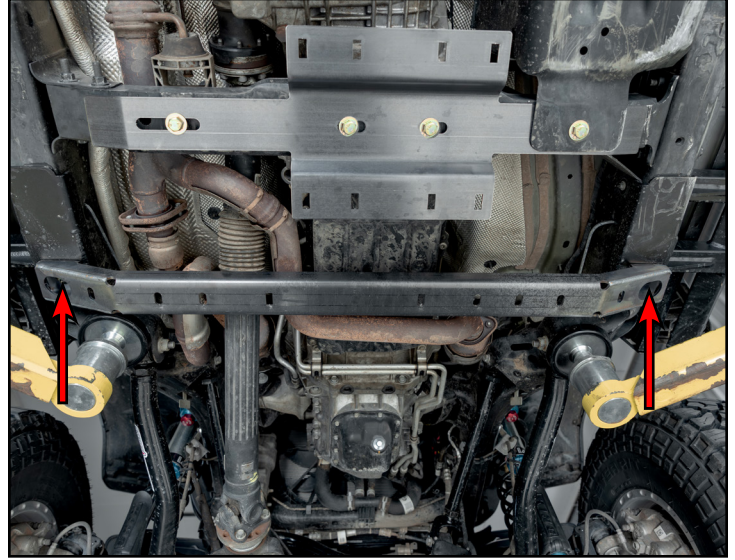
Install the provided center mounting bracket over the transmission cross-member underneath the OEM fuel tank skid plate, then align the edges of the bracket with the cross-member edges, and loosely secure the bracket in place with the provided M12 hardware (circled in **YELLOW**).



## Section 2: Installing the New Skid Plate

### Step #3 | 19mm Socket & Ratchet

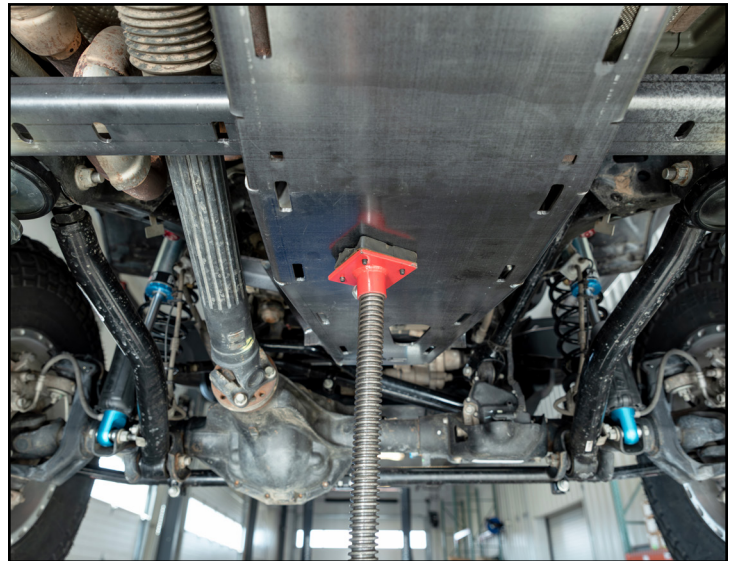
Install the provided front cross-member and align the edges of the cross-member with the outer frame rails then loosely secure it in place with the provided M12 hardware (arrows).



**NOTE:** If a long travel style suspension is installed, the links may interfere with the provided front cross-member. Mounting plates (as shown in inset photo) are provided for long travel suspension setups.

### Step #4 | Floor Jack -OR Pole Jack

Lift the assembled new engine/transmission skid plate up into place and support the skid plate from underneath.

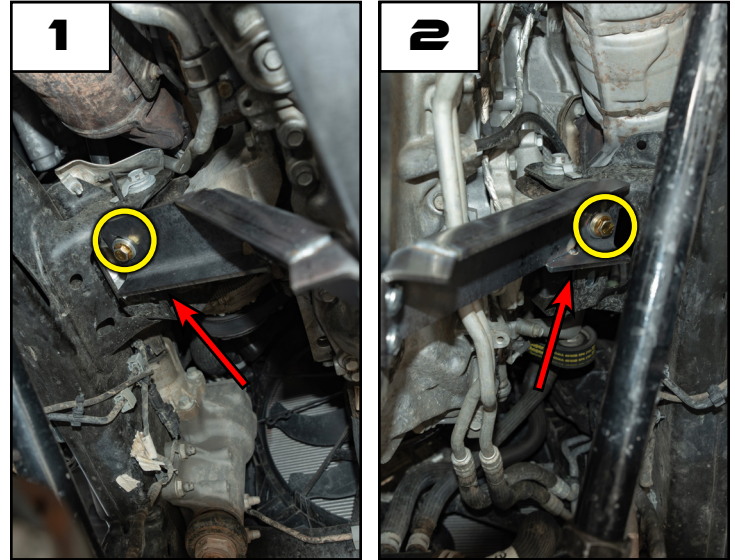


## Section 2: Installing the New Skid Plate

### Step #5 | 15mm Socket & Ratchet

Slide the provided MP2 bracket behind the engine mount (arrow in **photo #1**) and align the threaded hole with the mounting location with the LH front mounting bracket. Secure the bracket with the provided M10 hardware (circled in **YELLOW** in **photo #1**).

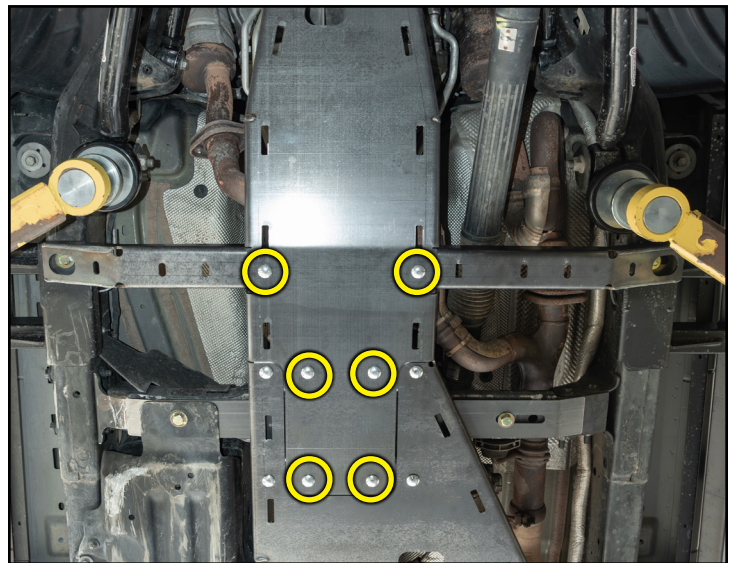
Slide the provided MP2 bracket behind the engine mount (arrow in **photo #2**) and align the threaded hole with the mounting location with the RH front mounting bracket. Secure the bracket with the provided M10 hardware (circled in **YELLOW** in **photo #2**).



### Step #6 | 11/16" Socket & Ratchet

Secure the skid plate to the front cross-member and center support bracket using the provided carriage bolts, flat washers, split-lock washers and nuts (circled in **YELLOW**).

Adjust the skid plate and cross-members until desired fitment has been achieved, then ensure that all of the previously installed hardware is fully tightened and the M12 bolts are torqued to 48 Ft-lbs (65 Nm), and enjoy your new RCI protection!

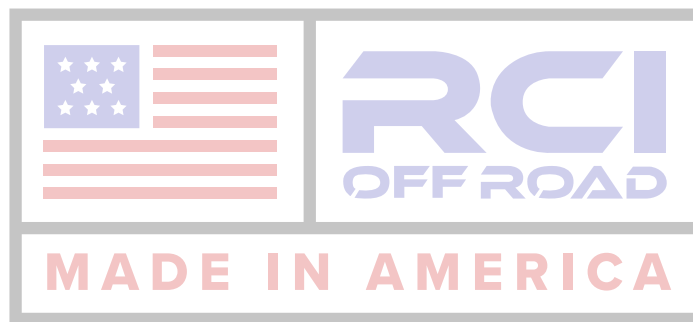


**CONGRATULATIONS, YOUR INSTALLATION IS COMPLETE!**

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