

## DEF/EXHAUST SKID PLATE

2020-2023 JEEP WRANGLER JL DIESEL

SPJL-05D



### TOOLS REQUIRED

- 13mm, 16mm Sockets
- Trim Clip Tool
- 4mm, 6mm Allen Bit

### SKILL LEVEL

- Novice/Intermediate
- 1 (you) to 2 persons

Little skill level required. You can install it by yourself, but additional help will be useful.

### TIME REQUIRED

- 2.5 Hours

Time to install this should only take about two and a half hours.

## WARNINGS/CAUTIONS BEFORE STARTING INSTALLATION

Before you install this kit – Read and understand all instructions, warnings, cautions, and notes contained in this installation instruction guide. Consult your vehicle owner's manual for proper disconnection of electrical and lifting of vehicle if required for installation of this product.

This install may require some technical skills and knowledge of basic mechanical work. If you do not feel that you are capable of performing this install please take this product to a trained professional.

After reading this guide please contact us with any questions or concerns before installing product.  
Customer Service: 855-680-9595

*DV8 Offroad is not responsible for any bodily injury or harm to you or your vehicle as a result of an improper install.*

Proper installation of this kit required knowledge of the factory recommended procedures for removal and installation of original equipment components. We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle

- Always wear eye protection when operating power tools

*Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information*

1. Name of purchase location
2. Bar Code on side of box
3. Date above bar code
4. Date inside box cover



# INSTALLATION MANUAL

Begin by unpacking all items and inspecting for missing pieces or damage. If you have any concerns, please contact the company the product was purchased from. Extra hardware may be included with the product.

## HARDWARE INCLUDED

- (12) M8x35 Hex
- (12) M8 Lock Washers
- (12) M8 Split Washers
- (5) M6x20 Allen
- (5) M6 Flat Washers
- (5) M6 Split Washers



**STEP 1** | Use a 16mm socket to remove the bolts securing the trailer wiring plug assembly.



# INSTALLATION MANUAL

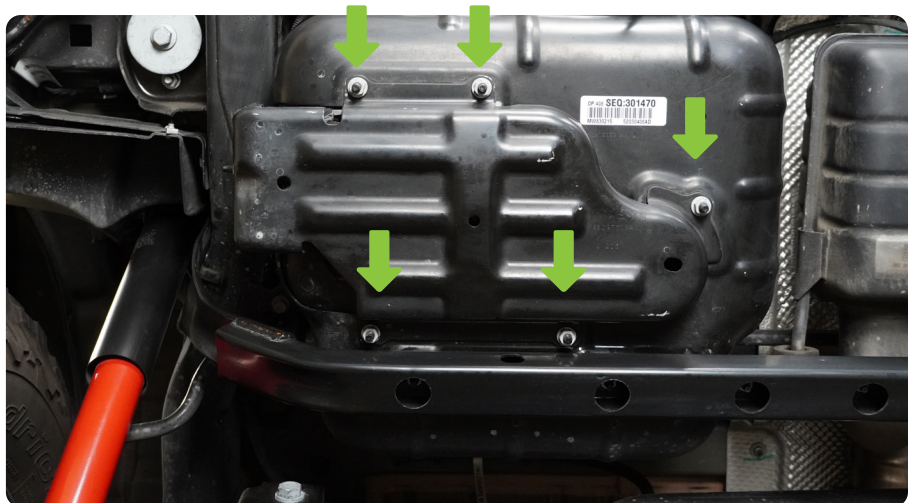
**STEP 2 |** Release the trailer wiring harness from the plug by pressing the release tab and pulling.

Use a trim clip tool if necessary.

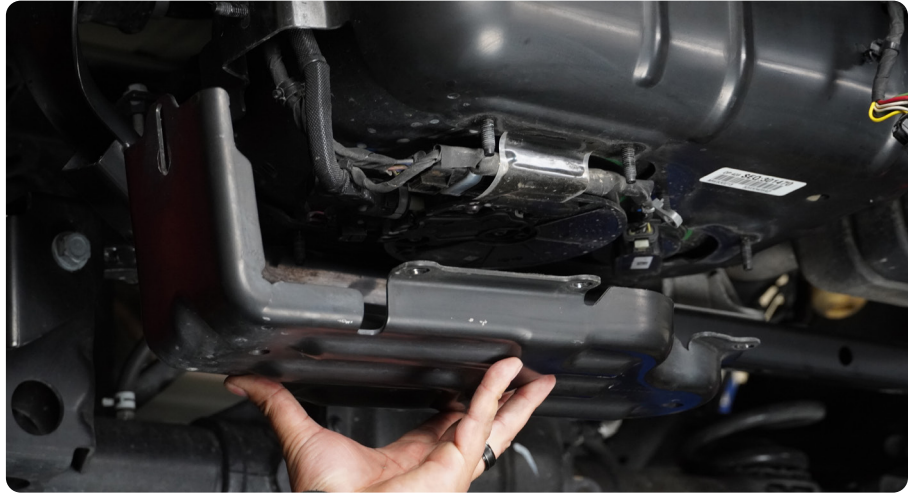
Once disconnected, use a trim clip tool to remove the clip securing the wiring harness to the vehicle.



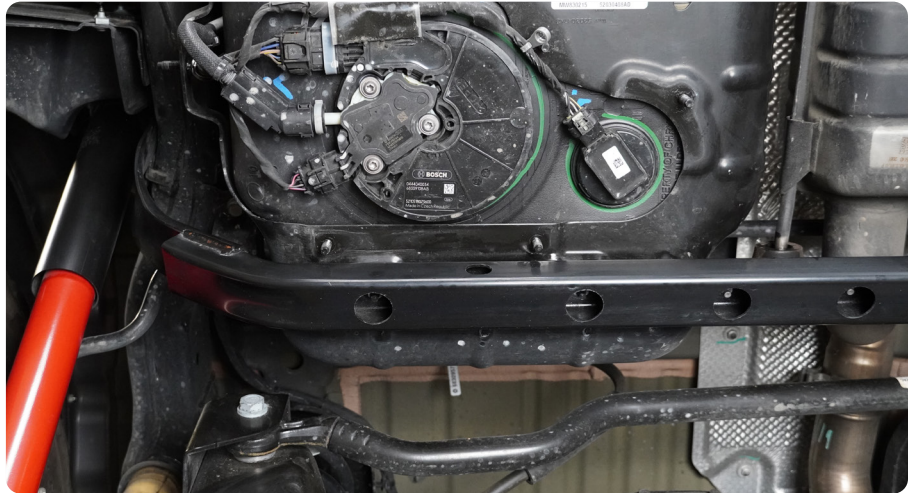
**STEP 3 |** Use a 13mm socket to remove the bolts securing the factory skid plate to the DEF tank and set it off to the side.







**STEP 4** | Place a support under the DEF tank/assembly to prepare for removal of the final support brace.



# INSTALLATION MANUAL

**STEP 5** | Use a 13mm socket to remove the bolts securing the support brace.

They are located near the wheel well on both sides of the vehicle and along the bottom length of the brace.



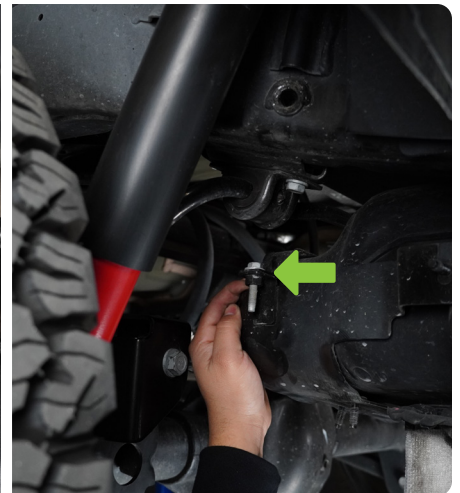
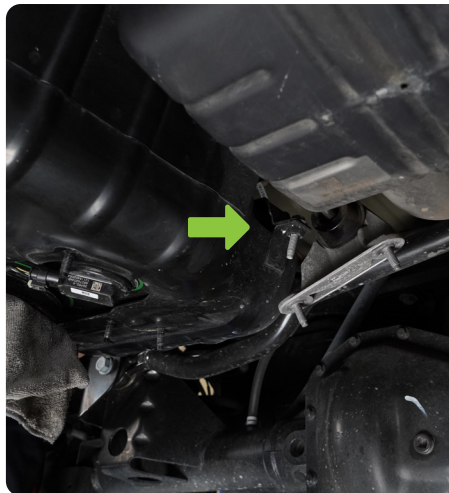


# INSTALLATION MANUAL

**STEP 6** | Use a 13mm socket to remove the four bolts securing the second skid plate located in the corners closest to the axle, and above the lip on the side closest to the bumper.

Once the bolts are removed, have someone support the DEF tank while you remove the skid plate.

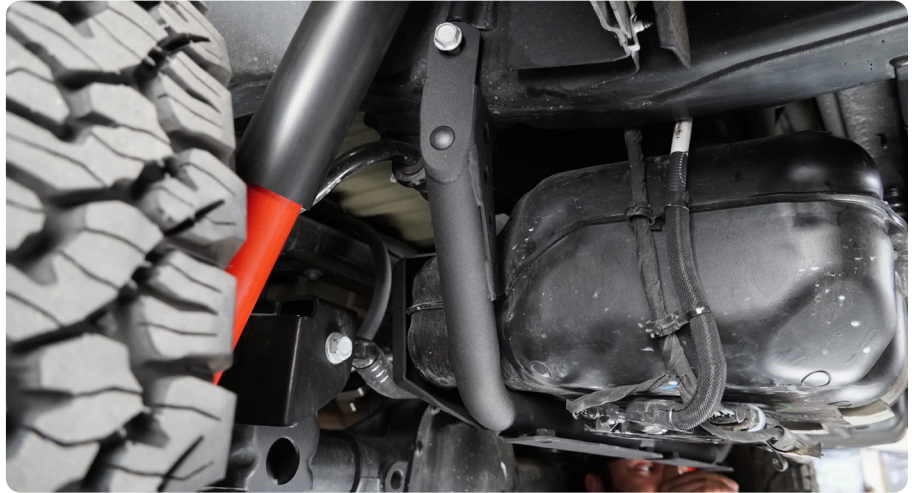
Be very careful when removing the skid plate to full support the DEF tank.



# INSTALLATION MANUAL

**STEP 7** | Install the DV8 support brace using the factory hardware with a 13mm socket.

Once the brace is secure, remove the support from the DEF tank.



**STEP 8** | Remove any foam pieces left from the skid plate.





## INSTALLATION MANUAL

**STEP 9** | Flip the exhaust hanger from its factory position (should be facing the opposite direction from factory) and secure using the factory nuts with a 13mm socket.

Use WD-40 if necessary to help slide the hanger in and out.



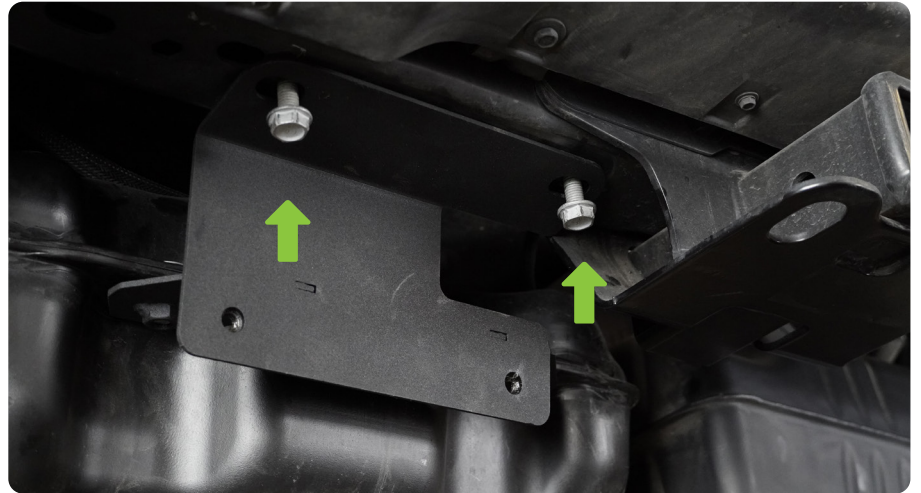


# INSTALLATION MANUAL

**STEP 10** | Place the driver side support up to the hitch and loosely secure it using the factory hardware with a 13mm socket.

Then install the factory hardware from the trailer plug harness loosely securing the driver side support bracket to the hitch.

Once all factory hardware is loosely installed, finish securing the hardware for the support bracket securing it to the DEF tank (located on the DEF tank directly behind the support bracket) using a 13mm socket.



**STEP 11** | Place the nut plate for the passenger side support bracket into the hitch and loosely secure the bracket using the provided M12 hardware with a 6mm allen bit.

(Pictured on next page)





**STEP 12** | Use a trim clip tool or scissors to remove the clip securing the trailer wiring harness to the rest of the bumper wiring harness.

This will create “extra length” for the wires to clear the skid plate after installation.

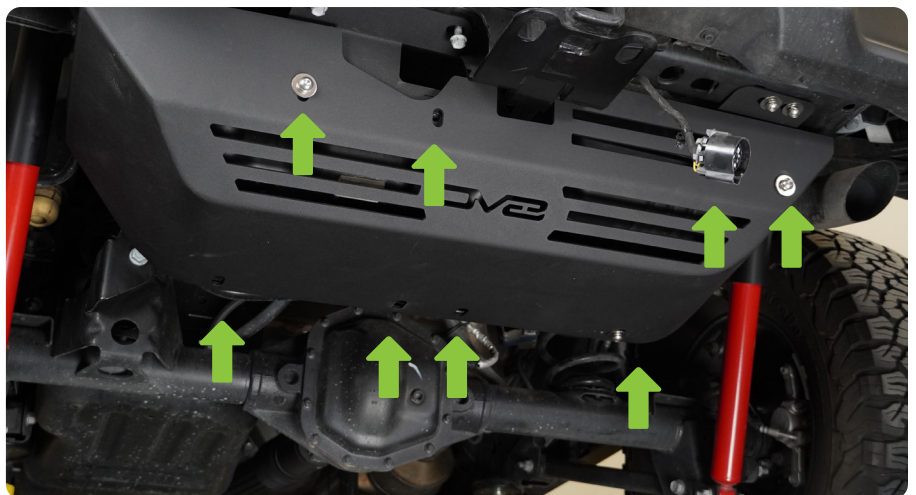




# INSTALLATION MANUAL

**STEP 13** | Lift the skid plate to the support brackets and loosely secure it to the three support brackets using the provided M12 hardware with a 6mm allen bit.

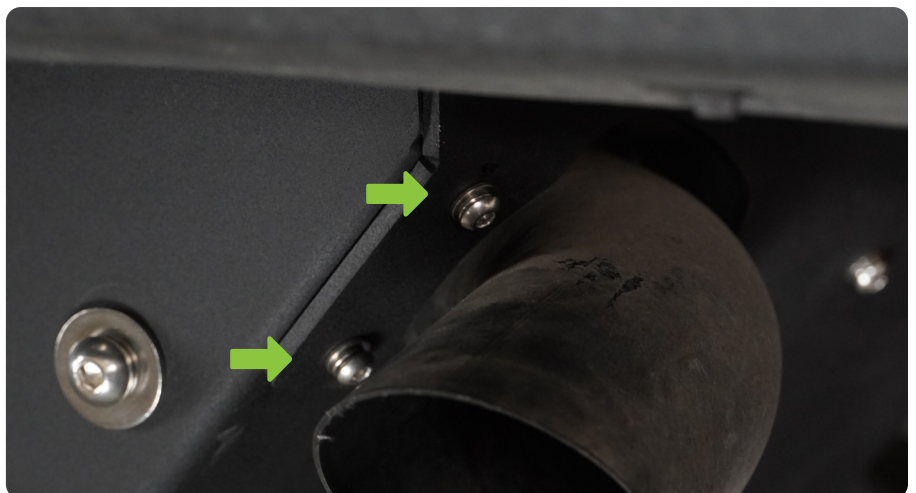
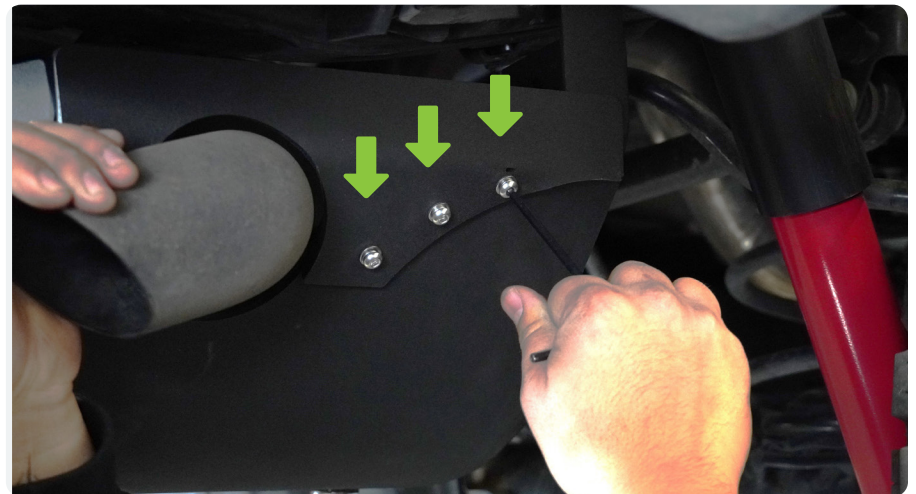
Take care that the trailer plug wiring harness is not pinched by the skid plate during installation.



# INSTALLATION MANUAL

**STEP 14** | Install the exhaust pipe cover bracket and secure using the provided M6 hardware with a 4mm allen bit.

*Note: If the exhaust cover makes contact with the tail pipe, loosen all allen head bolts holding the skid plate on and move the skid plate towards the driver side of the vehicle allowing for more room.*





# INSTALLATION MANUAL

**STEP 15** | Install the wiring harness to the trailer plug and loosely secure by removing and re-installing the factory hardware.

Secure with a 16mm socket.



**STEP 16** | Double check fitment and all hardware is secure.



# INSTALLATION MANUAL

**STEP 17** | Congrats! You are finished with the install of the 2020+ Jeep Wrangler JL Diesel DEF/Exhaust Skid Plate.

