

TRAILING ARM SKID PLATE

21+ FORD BRONCO

SPBR-05



TOOLS REQUIRED

- 18, 24mm Socket
- Torque Wrench
- Breaker Bar or Impact Gun
- #6 Allen Bit
- Rubber Mallet
- Safety Glasses
- HD Ratchet Strap
- Preferred Cutting Tool
- Prybar
- Floor Jack
- Jack Stands
- Black Spray Paint

SKILL LEVEL

- Novice/Intermediate
- 2 persons

Intermediate skill level required, you can install it by yourself, however, additional help is highly recommended.

TIME REQUIRED

- 1.5 Hour.

Time to install this should only take about an hour and a half.

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

- (4) M10x35
- (4) M10 Spring Washers
- (4) M10 Flat Washers
- (4) Aluminum Spacers
- (1) T25 "L" Shaped Torx Key



STEP 1 | Remove the factory plate gusset located on the inside face of the frame rails.

On the passenger side it is located between the frame rail and the gas tank.

To access the bolts, the gas tank will be lowered down slightly and swung towards the driverside slightly.

Identify the bolt that will stay in place to support the gas tank allow it to swing towards the driverside as it is lowered down. It is located above the rear driveshaft.

If the vehicle has gas tank straps instead of a skid plate, the method for lowering the gas tank may differ. Be sure the gas tank is supported with a floorjack.

IT IS POSSIBLE TO INSTALL THIS WITH A FULL TANK OF GAS, BUT WE HIGHLY RECOMMEND HAVING TH GAS TANK AS CLOSE TO EMPY AS POSSIBLE.



INSTALLATION MANUAL

STEP 2 | Place the floorjack under gas tank and raise it so they are supporting the gas tank.

We used two floorjacks for increased stability,

If using only one floorjack for support, center it under gastank parallel with bolt directly in front of frame side control arm mount.

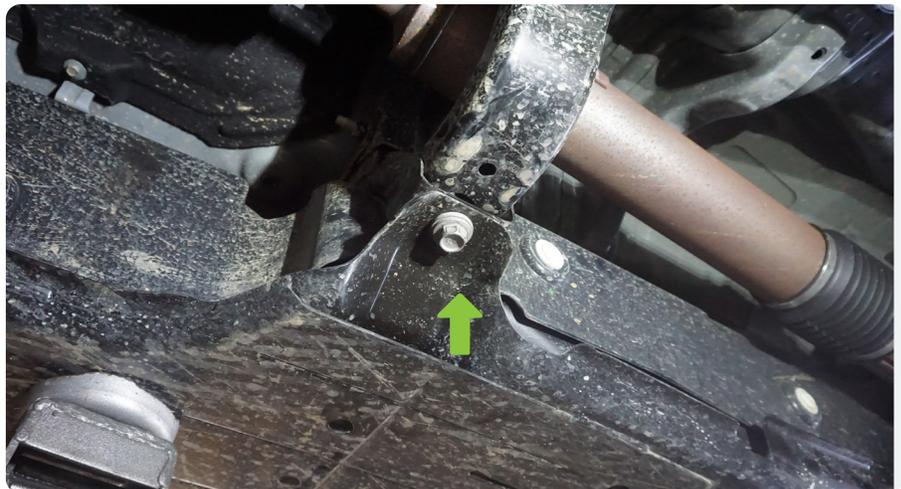


STEP 3 | Use an 18mm socket to remove the (3) bolts along the passenger frame rail, and the (2) bolts securing the skid to the front cross member.



STEP 4 | Use an 18mm socket to remove the bolt securing the gas tank skid located **under** the rear driveshaft.

Set all hardware off to the side for re-installation.



INSTALLATION MANUAL

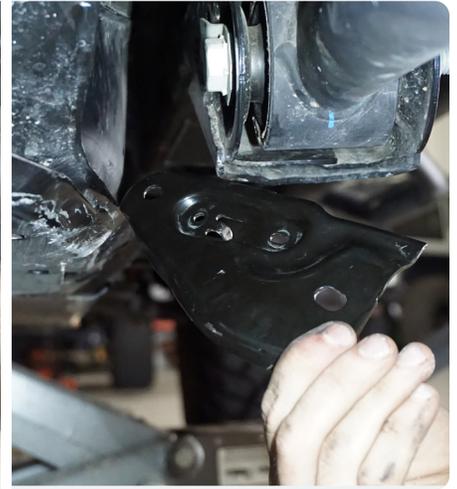
STEP 5 | Ensure the bolt above the rear drive shaft is secure, then carefully lower the floorjack(s) allowing the gas tank/skid to come down and swing to the driverside slightly.

Drop it down until there is clearance for the provided T25 tool to remove the factory hardware.



INSTALLATION MANUAL

STEP 6 | Use the provided “L” shaped T25 torx key to remove the (2) factory bolts and then remove the factory plate.



INSTALLATION MANUAL

STEP 7 | Use the floorjack to lift the gas tank/skid plate back into place, and loosely thread all the factory hardware into place.

There are (6) factory bolts total to replace.

Once all hardware is threaded loosely, secure all factory hardware for the gas tank skid using an 18mm socket.

Torque all bolts to 59 ft-lbs.



INSTALLATION MANUAL

STEP 8 | On the gas tank skid, in front of the frame-side control arm mount, there may be a lip that sticks out from the tank. This will vary based on the vehicle.

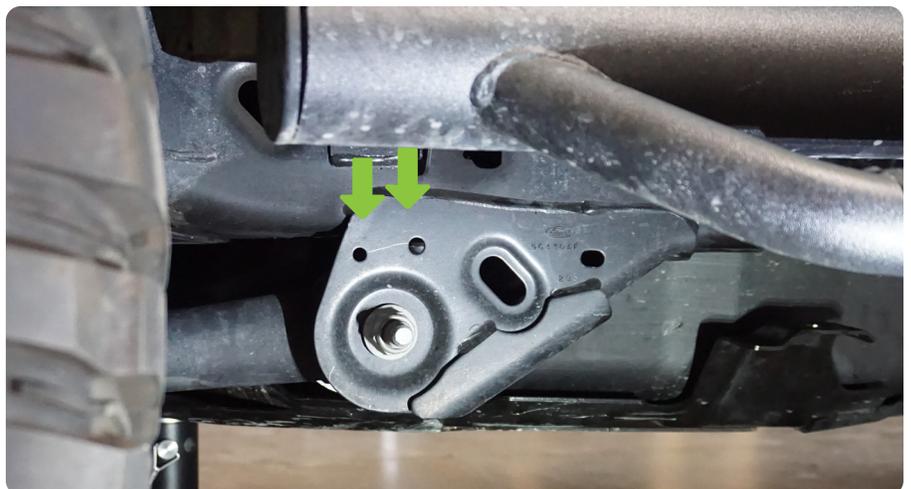
This will need to be removed prior to installation.

Mark a line similar to what is shown and trim down the lip using the preferred cutting tool. Use spray paint to cover any exposed metal to prevent corrosion.

The goal is to remove the flared lip.



STEP 9 | Drill the two mounting holes out using a 25/64" drill bit.

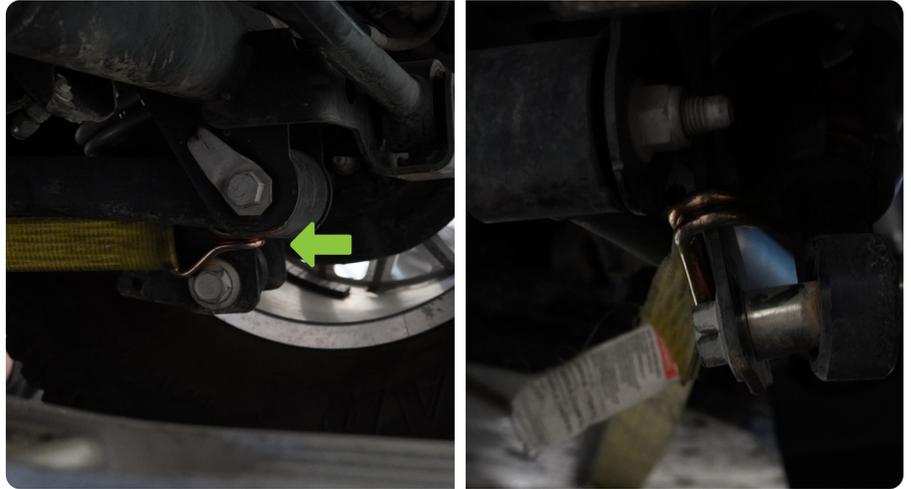


INSTALLATION MANUAL

STEP 10 | Hook one side of the ratchet strap to the shock mount, and the opposite side of the strap to center hole in the gas tank skid.

It will be parallel with the middle mounting bolt for the gas tank skid on the frame rail.

There should be a good amount of tension on the strap, in order to release the load from the control arm mounting bolt.



STEP 11 | Jack the vehicle off the ground slightly using a floor jack.

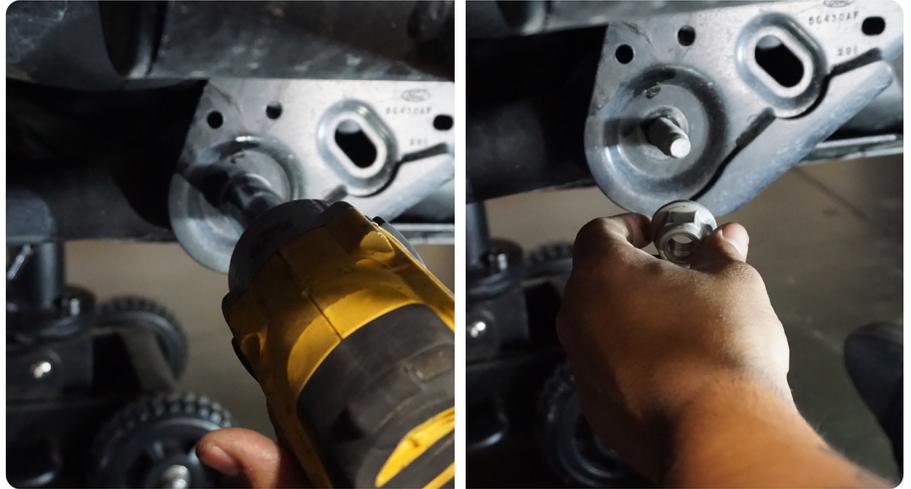
The tire only needs to be raised slightly to relieve tension on the control arm mounting bolt.

Use jackstands as directed by OEM manufacturer.



INSTALLATION MANUAL

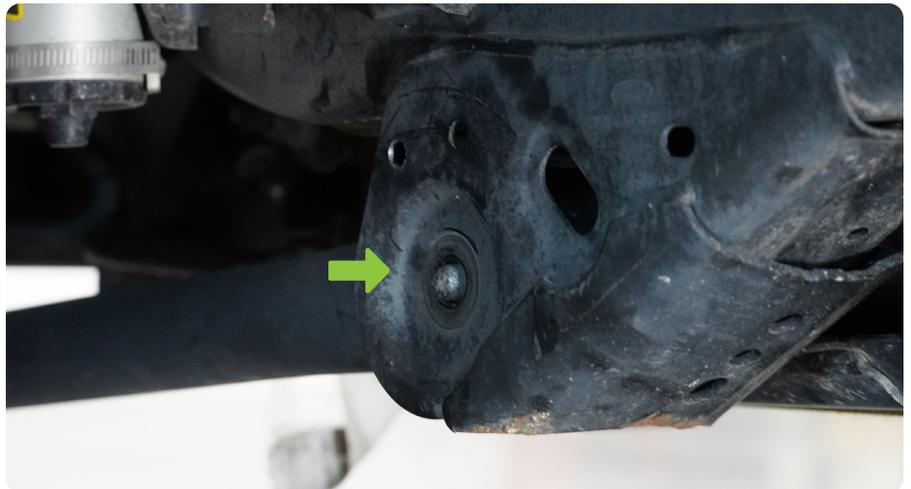
STEP 12 | Use a 24mm socket to remove the nut securing the control arm to the frame rail.



STEP 13 | When the ratchet strap is tensioned correctly, the bolt should slide out and back in fairly easily with a few decent hits with a rubber mallet.

The bolt should be hammered until it is flush with the mount.

TAKE EXTRA CAUTION NOT TO PUSH BOLT OUT.



INSTALLATION MANUAL

STEP 14 | Slide the bracket over the mounting bolt for the control arm and let it hang as low as possible while swinging it around the opposite edge of the control arm mount.

It should go into place with relative ease, but may require some force to get it seated on the mount properly.



STEP 15 | Swing the plate up to hug the frame rails, and push the bolt back through slightly, allowing the skid to hang from the bolt.

If the bolt does not move freely, add more tension to the strap or use a prybar on the backside using the gastank skid for leverage.



STEP 16 | Have a friend hold the plate into place or use a jack/stand to keep the two upper mounting holes aligned.

One at a time, hold the provided spacer and then push one bolt through to hold the spacer. Repeat for the second bolt, then slide the nut plate and hand thread each hardware to the nut plate.

Note: An extra pair of hands to hold the



INSTALLATION MANUAL

STEP 17 | Secure the M10 hardware using a #6 allen bit.



STEP 18 | Secure the factory nut to the control arm mounting bolt using a 24mm socket.

Torque to 159 ft-lbs.



INSTALLATION MANUAL

STEP 19 | Repeat steps 9-17 for the driverside of the vehicle.

Congrats! You are finished with the install of the 21+ Bronco Trailing Arm Skid Plate.

