

## Preparation:

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- We recommend reading through the installation instructions in whole before performing the work.
- Estimated Installation Time: **1 Hour**

***\*\*This installation requires 2 people for best results\*\****

***\*\*If you are installing this in conjunction with a front bumper, its easiest to remove the front bumper, install the skid plates, then install your new front bumper. For bumper removal procedures, please follow your bumper's installation instructions.\*\****

## You will need the following tools:

- |               |                                  |                                            |
|---------------|----------------------------------|--------------------------------------------|
| - Ratchet     | - 13mm Socket                    | - 16mm Socket                              |
| - 17mm Socket | - Drill (Only on certain models) | - 9/16" Drill Bit (Only on certain models) |

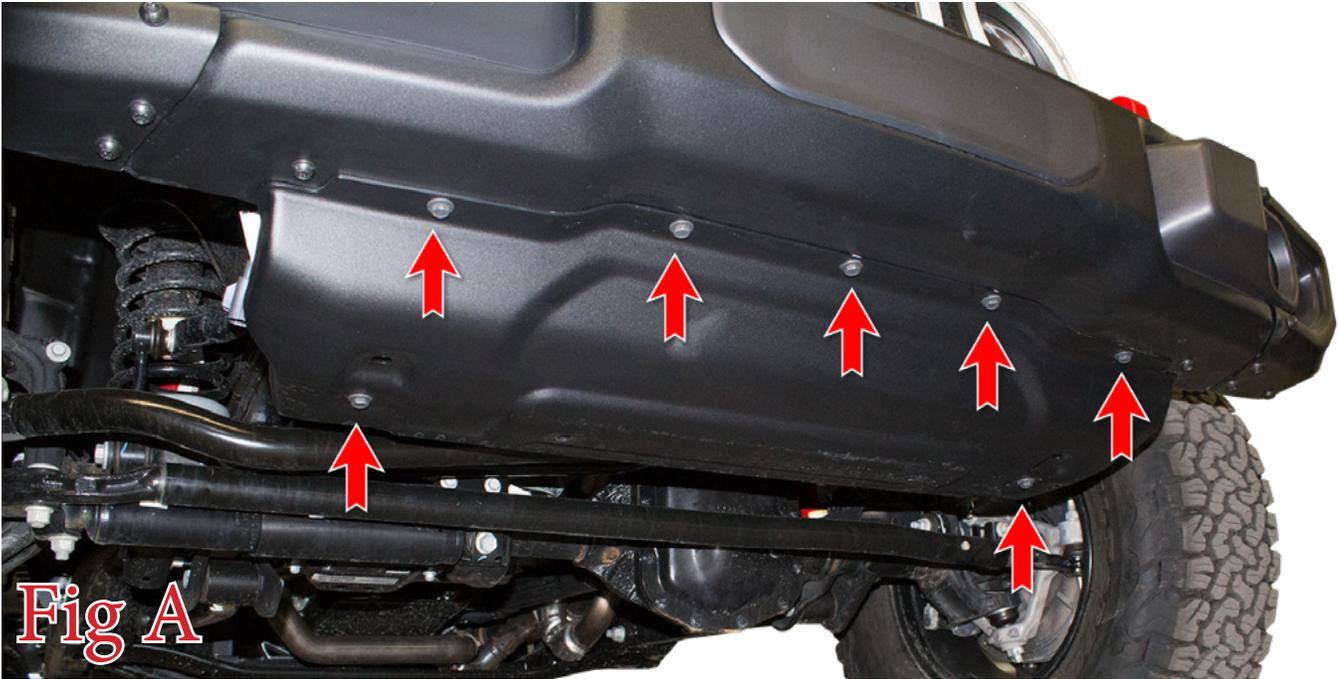
## Included in Kit:

- |                                      |                                    |
|--------------------------------------|------------------------------------|
| 4 - Hex Head Bolts (M10-1.5 x 30mm)  | 4 - Flat Washers (M10)             |
| 2 - Hex Head Bolts (3/8-16 x 1 1/4") | 1 - Grade 8 Bolt (3/8-16 x 1 1/2") |
| 2 - Grade 8 Washer (3/8")            | 2 - Flat Washers (3/8")            |
| 2 - Rivet Nuts (3/8-16)              | 1 - Hex Nut (1/2-13)               |
| 1 - Skid Plate                       | 2 - Skid Plate Mounting Bracket    |

**Installation:**

**1. If you have a steel bumper, follow this step. If not, skip to the next step.**

Use a 13mm Socket to remove the lower skid plate bolts. Then, remove that skid plate. (Fig A)



**Fig A**

**2. If you have a plastic front bumper, follow this step. If not, skip to the next step.**

Remove the two bolts and the plastic clips holding the skid plate to the vehicle. Then, remove that skid plate. (Fig B)



**Fig B**

3. Using a 16mm Socket, remove the bolts referenced in (Fig C). Then, remove the skid mounting plate. **If your Jeep does not have this plate, skip this step.**



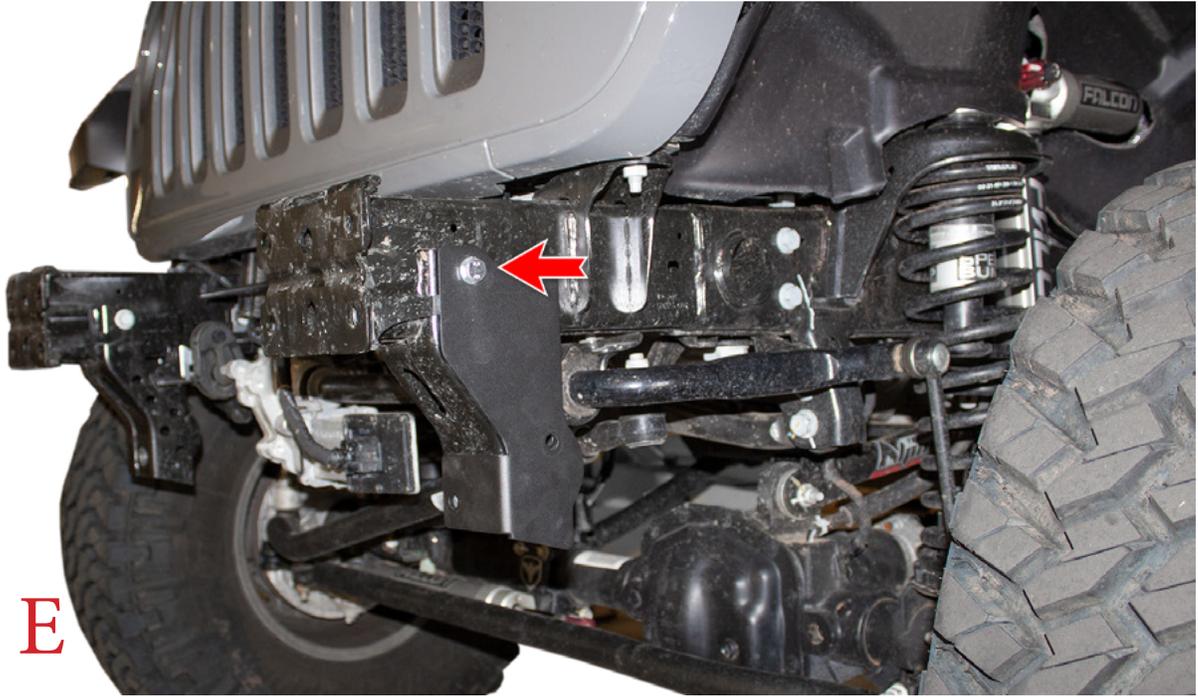
**Fig C**

4. Using a 16mm Socket, remove the bolt referenced in (Fig D). Repeat this step on the other side of the vehicle.



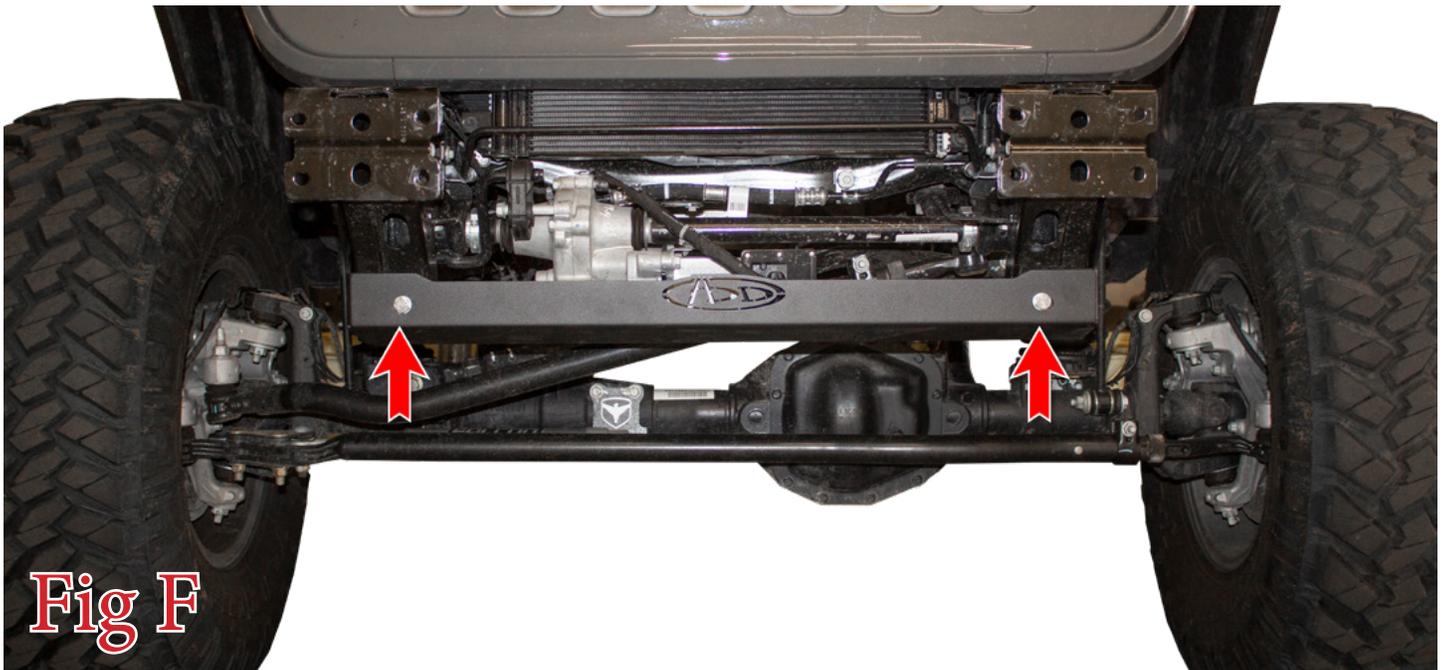
**Fig D**

5. Install the side brackets. Use the supplied M10 Bolts (1 per side) and M10 Washer (1 per side). Make sure to keep the OEM frame horn gussets in place. Install the brackets on the outside of the OEM gussets. (Fig E)



**Fig E**

6. Install the lower plate. Use the supplied M10 Bolts (x2) and M10 Washers (x2) to secure the plate to the vehicle. (Fig F)



**Fig F**

If your Jeep does not have threaded inserts in the locations from Step 6 from the factory, then you will have to use the supplied Rivet Nuts (x2) instead. To use the Rivet Nuts, follow this procedure;

- Drill out the holes with a 9/16" Drill Bit
- Assemble the 3/8 x 1 1/2" Bolt (x1), 3/8" Grade 8 Washers (x2), and 1/2" Nut (x1) into a Rivet Nut assembly tool as shown in the far left of (Fig G).
- Push the Rivet Nut into the newly drilled hole on the vehicle.
- Loosely thread the rivet nut installation tool into the rivet nut.
- While holding the 1/2" Nut steady, thread the rivet nut tool into the rivet nut until it gets tight. Once it is tight, back the tool out and the rivet nut will be set.
- Use the supplied 3/8" x 1 1/4" Bolts (x2) and 3/8" Washers (x2) to secure the skid plate to the vehicle.



7. Stand back and enjoy your new ADD Skid Plate.
8. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

