



Jeep JT 3.6L Transercase Skid Plate Installation Instructions

Thank you for purchasing our Jeep JT 3.6L Transercase Skid Plate!

Installation Notes:

- This product is compatible with 2020-Current Jeep Gladiator JT with a 3.6L engine.
- This skid plate is compatible with our other Barnes 4wd JT skid plates and may not work with other brands of aftermarket skids.
- Refer to a factory service manual for the removal of any factory components.
- If installing the complete skid kit install this kit first
- Leave all hardware loose until the final step

Tools required:

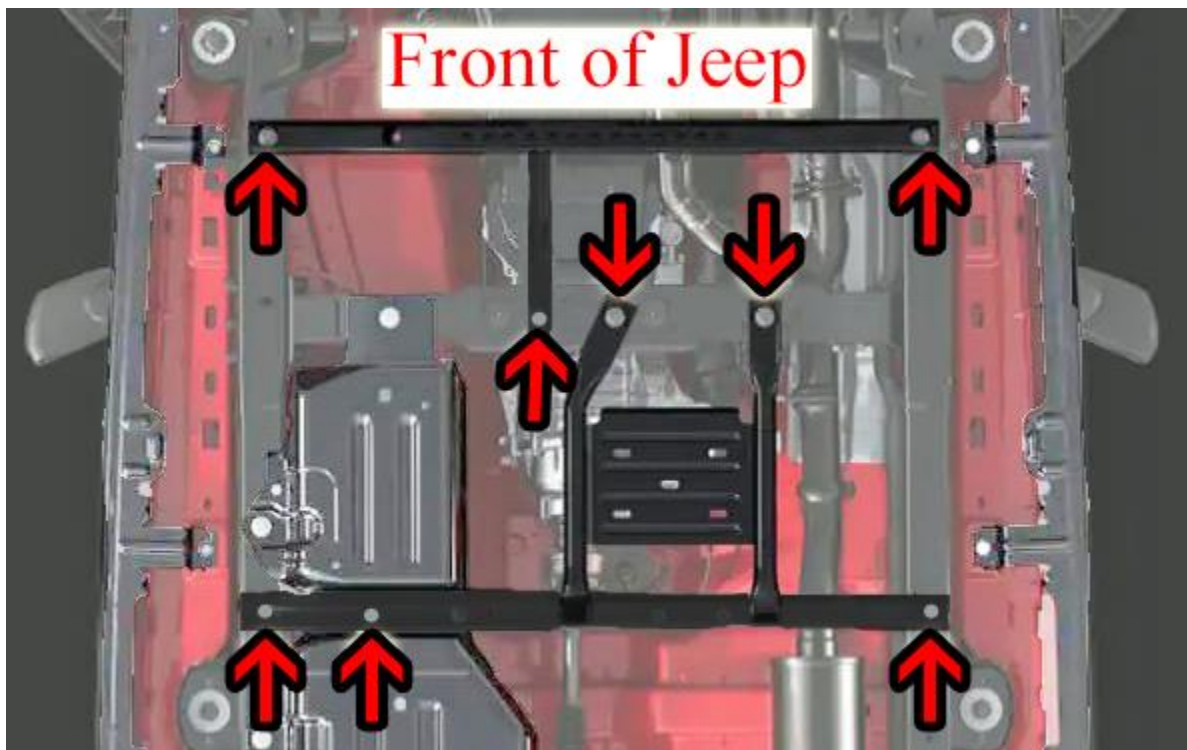
- 18MM socket
- 13MM socket
- ¾" Socket
- 18MM Combination wrench
- ¾" Combination wrench
- Ratchet
- 4" Extension
- Jack

Contents of box

Bill Of Materials for B4WK12651 JT/JL Transfercase Skid Prepack			
QTY	Part Number	Etch Number	Description
1	B4W250860W	860	JL/JT Transfercase Skid Welded
2	B4WK12650	NA	JL/JT Crossmember Flag Nut Weldment
4	B4WBHP98	NA	1/2" 9/16" Bolt Head Protector
2	50NWSAFY	NA	1/2" SAE Flat Washer Yellow Zinc
1	50CNNEOY/GC	NA	1/2"-13 Nylon Lock Nut
1	50C150HCS8Y	NA	1/2"-13 X 1-1/2" Hex Head Bolt Yellow
1	.120F400HCSIP/961	NA	M12-1.5X40 Hex Bolt
Bill Of Materials for B4W250866W JT Fuel Tank Crossmember			
QTY	Part Number	Etch Number	Description
1	B4W250866W	866	JT Fuel Tank Crossmember welded

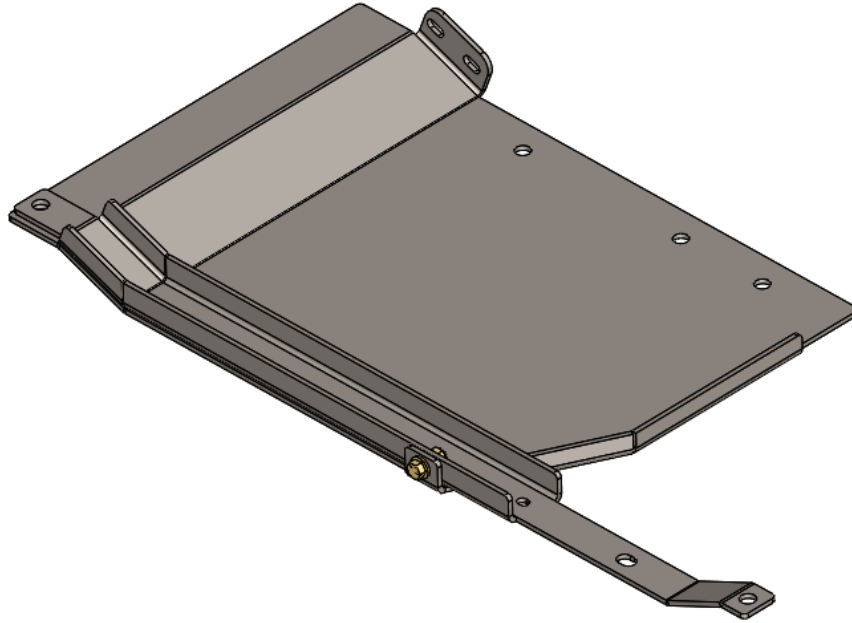
Step 1:

Remove the factory transfer case skid plate and the transmission pan skid plate if equipped.



Step 2:

Install the crossmember onto the transercase skid with the ½' hardware.



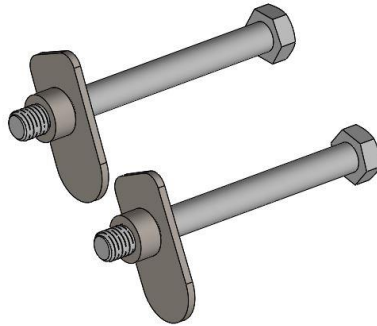
Step 3:

Remove the 2 long bolts that attach the cross-member to the frame, move the jack up or down to relieve tension on the bolts to make them easier to remove.



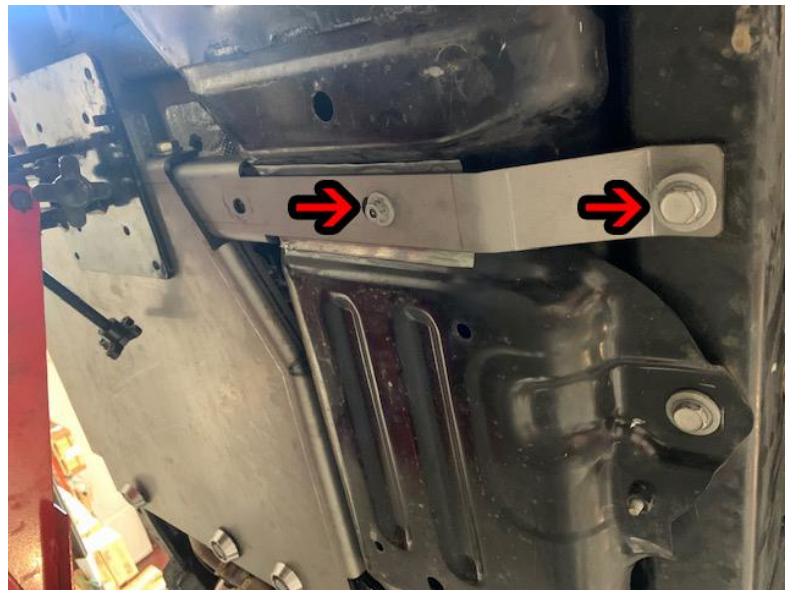
Step 4:

Remove the jack and install the transercase skid and crossmember reinstall the 2 long bolts removed in the last step. The bolts should be installed with the head of the bolt facing the front of the vehicle. The bolts will no longer use the factory nuts you will need to use the supplied flag nuts.



Step 5:

Reinstall the factory hardware with supplied bolt head protectors into the crossmember, fuel tank, and frame if your jeep has a manual transmission you will need to use the supplied 12mm bolt.



Step 6:

Tighten all hardware.

Congratulations! You Have finished the installation of the Barnes4wd Jeep JT 3.6L Transferscase Skid Plate

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Jeep JT 3.6L Gas Tank Skid Plate Installation Instructions

Thank you for purchasing our Jeep JT 3.6L Gas Tank Skid Plate!

Installation Notes:

- This product is compatible with 2020-Current Jeep Gladiator JT with a 3.6L engine.
- This skid plate is compatible with our other Barnes 4wd JT skid plates and may not work with other brands of aftermarket skids.
- Refer to a factory service manual for the removal of any factory components.
- If installing the complete skid kit install this kit after the transercase skid
- Leave all hardware loose until the final step

Tools required:

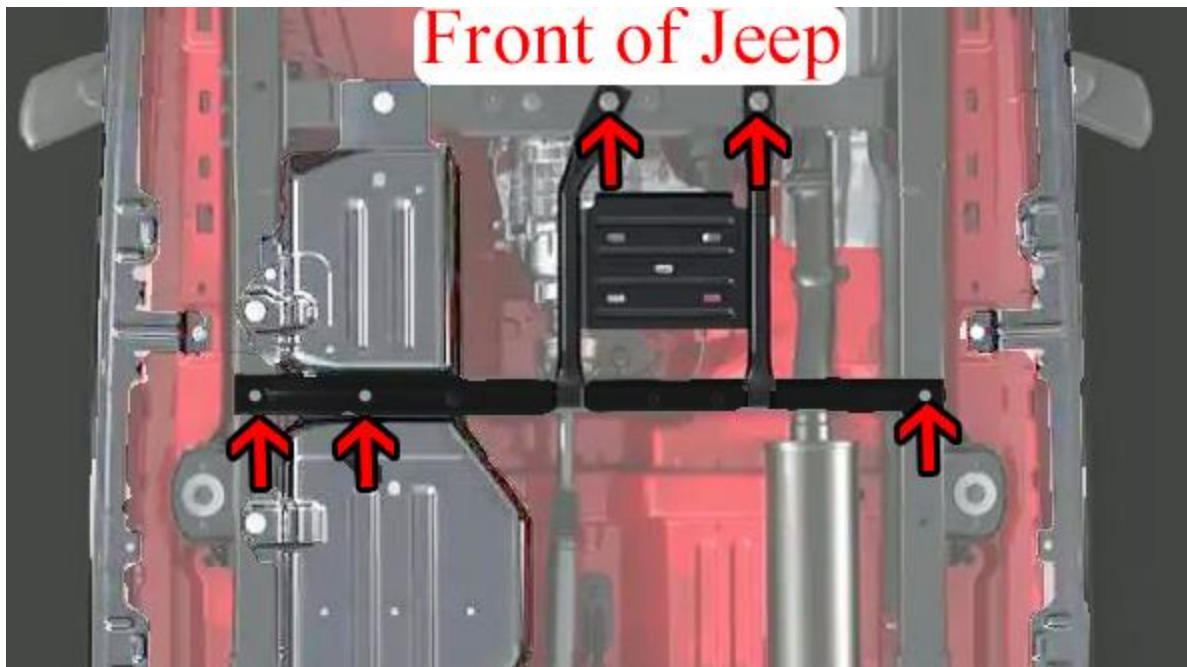
- 18MM socket
- 13MM socket
- 16MM socket
- ¾" Socket
- ¾" Combination wrench
- Ratchet
- 4" Extension
- Jack

Contents of box

Bill Of Materials for B4WK12655 JT Fuel Tank Skid Prepack			
QTY	Part Number	Etch Number	Description
1	B4WK12652	NA	JT Fuel Tank Skid Weldment
1	B4WK12653	NA	JT Rear Fuel Tank Bracket Assembly
1	B4WK12654	NA	JT Middle Fuel Tank Bracket Assembly
1	B4W250867W	867	JT Fuel Tank Skid Rear Bracket 2
1	B4W250316	316	1/2" Crow Foot Wrench
1	B4WBHP98	NA	1/2" 9/16" Bolt Head Protector
6	50NWSAFY	NA	1/2" SAE Flat Washer Yellow Zinc
2	50CNNE0Y/GC	NA	1/2"-13 Nylon Lock Nut
2	50C150HCS8Y	NA	1/2"-13 X 1-1/2" Hex Head Bolt Yellow
2	50C100HCS8Y	NA	1/2-13 X 1 Hex Cap Screw Gr 8 Yellow Zinc
Bill Of Materials for B4W250866W JT Fuel Tank Crossmember			
QTY	Part Number	Etch Number	Description
1	B4W250866W	866	JT Fuel Tank Crossmember welded

Step 1:

Remove the factory transfer case skid plate if equipped.



Step 2:

Install the crossmember onto the frame and fuel tank with the factory hardware.



Step 3:

Remove the factory bolt at the rear of the fuel tank and install the rear bracket with the factory bolt as shown below.



Step 4:

Remove the factory bolt at the rear of the fuel tank above the driveshaft and install the rear bracket with the factory bolt as shown below.



Step 5:

Remove the factory bolt at the center of the fuel tank next to the carrier bearing and install the center bracket with the factory bolt as shown below.



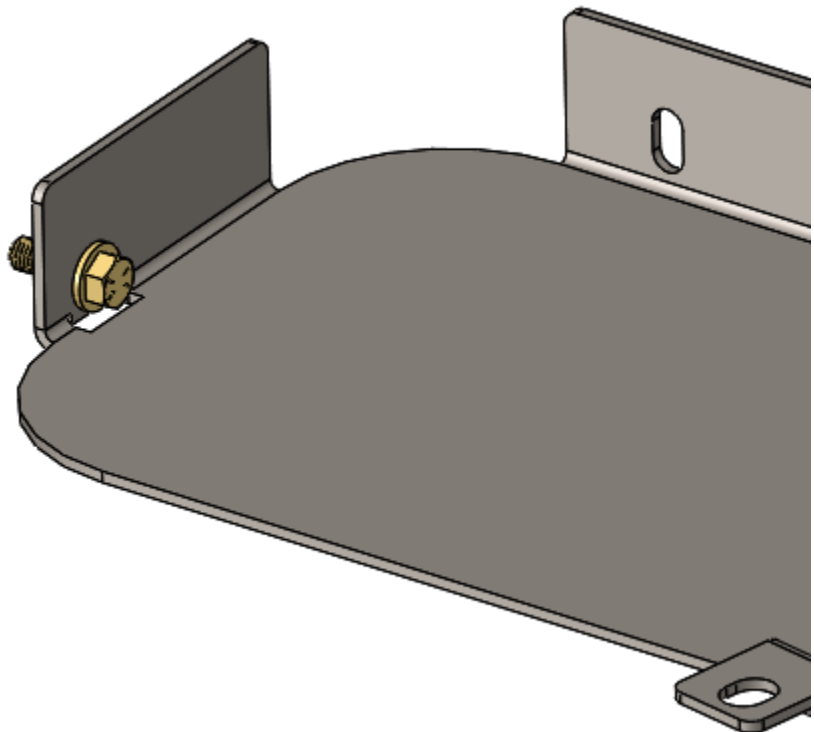
Step 6:

Remove the 4 factory fuel tank bolts along the frame and at the crossmember as shown below.



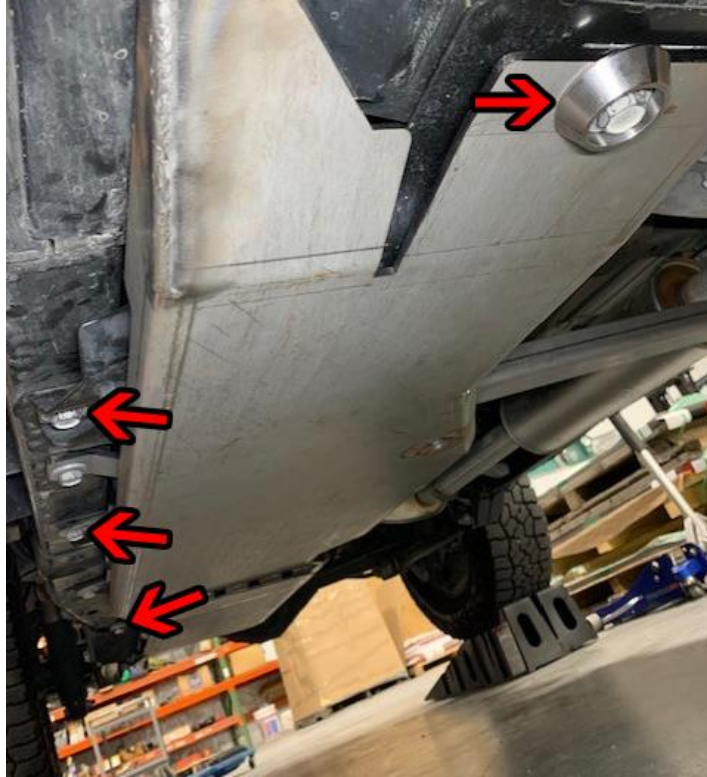
Step 7:

Install a ½" by 1.5" bolt and washer at the back of the fuel tank skid as shown below.



Step 8:

Jack the fuel tank skid into place and install the factory hardware in the frame and crossmember the crossmember bolt will be installed with the bolt head protector.



Step 9:

Install the 1/2" nut and washer on the bolt installed in step 7 the supplied crow's foot wrench will be used to tighten this bolt.



Step 10:

Install the two ½" by 1" bolts and washers in the two mounting brackets installed in steps 4 and 5.



Step 11:

Install the supplied ½" by 1.5" bolt through the bottom of the skid and into the crossmember as shown below.



Step 12:

Tighten all hardware.

Congratulations! You Have finished the installation of the Barnes4wd Jeep JT 3.6L Gas Tank Skid Plate

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Jeep JT 3.6L Engine Skid Plate Installation Instructions

Thank you for purchasing our Jeep JT 3.6L Engine Skid Plate!

Installation Notes:

- This product is compatible with 2020-Current Jeep Gladiator JT with a 3.6L engine.
- This skid plate is compatible with our other Barnes 4wd JT skid plates and may not work with other brands of aftermarket skids.
- Refer to a factory service manual for the removal of any factory components.
- If installing the complete skid kit install the engine skid last.
- Leave all hardware loose until the final step

Tools required:

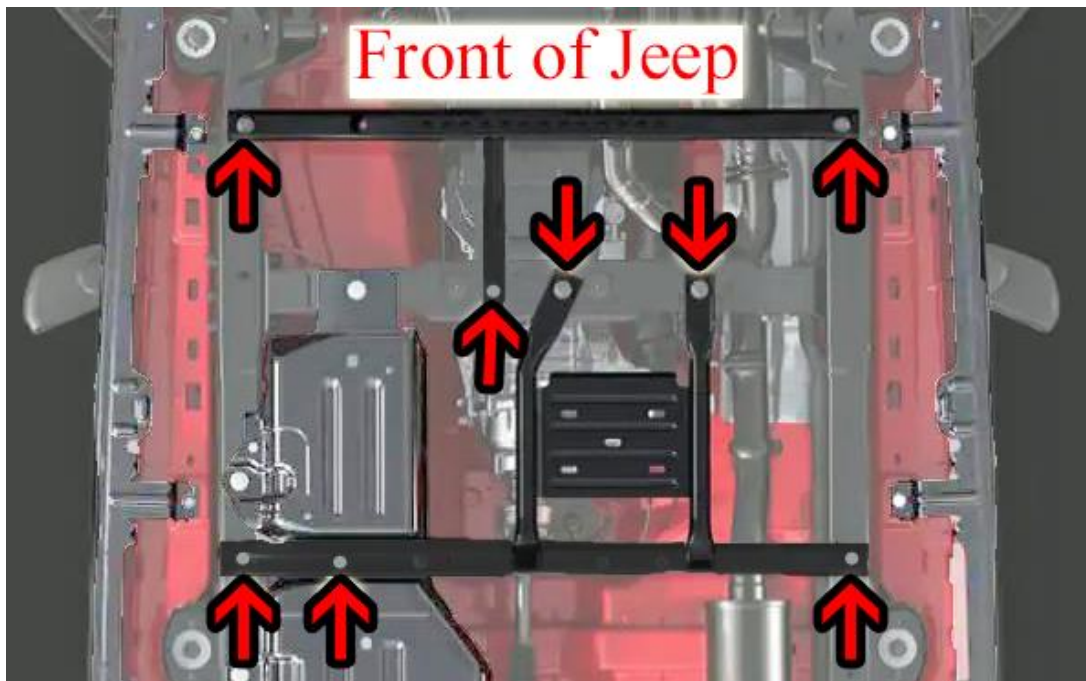
- 18MM socket
- 17MM socket
- 13MM socket
- 9/16" socket
- 3/4" socket
- 3/4" combination wrench
- 9/16" combination wrench
- Ratchet
- 4" Extension
- 3/16" allen wrench
- Jack

Contents of box

Bill Of Materials for B4WK12649 JT/JL 3.6L Engine Skid Prepack			
QTY	Part Number	Etch Number	Description
1	B4WK12648	NA	JT/JL 3.6 Engine Skid Weldment
1	B4WK12302	NA	JK Skid Oil Pan Skid Plate Oil Change Door Weldment
1	B4W188867	867	JL Engine Skid Plate Gusset Strap
1	B4W250862W	862	JT Driver Engine Skid Mount Weldment
1	B4W250863W	863	JT Passenger Engine Skid Mount Welded
2	B4WBHP98	NA	1/2" 9/16" Bolt Head Protector
4	50NWSAFY	NA	1/2" SAE Flat Washer Yellow Zinc
2	50CNNEOY/GC	NA	1/2"-13 Nylon Lock Nut
2	50C150HCS8Y	NA	1/2"-13 X 1-1/2" Hex Head Bolt Yellow
8	37NWSAFY	NA	3/8 SAE Washer Yellow Zinc
4	37CNNEOY/GC	NA	3/8-16 Nylock Yellow
4	37C125HCS8Y	NA	3/8"-16X1-1/4" Hex Bolt Grade 8 Yellow
1	31C62KFCS	NA	5/16"-18 X 5/8" Counter Sunk Stainless
1	.100CNNEOZ/985-10	NA	M10 X 1.5 Nylock Nut
1	.120F400HCSIP/961	NA	M12-1.5X40 Hex Bolt

Step 1:

Remove the factory transfer case skid plate and the transmission pan skid plate if equipped.



Step 2:

Install the driver side engine skid mounting bracket by removing the 10mm factory hardware as shown below.



Step 3:

Install the passenger side engine skid mounting bracket by installing the supplied 10mm nut as shown below.

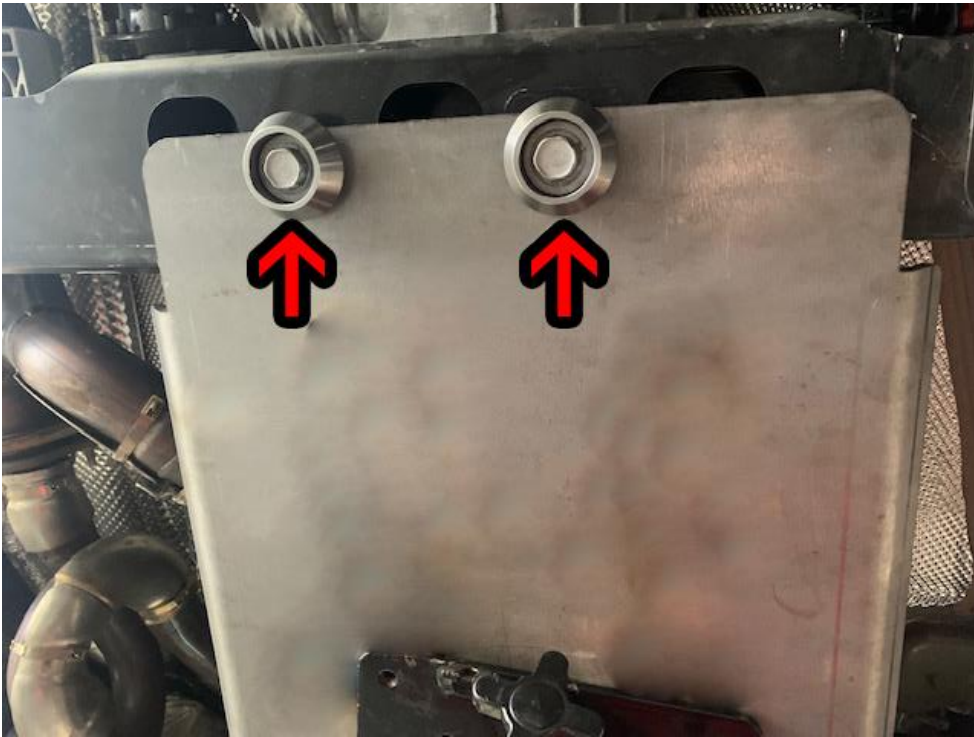


Step 4:

Install engine skid into place with a jack.

Step 5:

Reinstall the factory hardware with supplied bolt head protectors into the crossmember if your jeep has a manual transmission you will need to use the supplied 12mm bolt.



Step 6:

Install the supplied ½" hardware into the front of the skid as shown below.



Step 7:

Install the gusset strap and supplied hardware on the skid plate as shown below.



Step 8:

Install the oil change door with its supplied hardware as shown below.



Congratulations! You Have finished the installation of the Barnes4wd Jeep JT 3.6L Engine Skid Plate

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