



# Front Differential Slider

JL Wrangler | JT Gladiator

## NEW PRODUCT

Please visit [www.aev-conversions.com](http://www.aev-conversions.com) to view the most current installation guide for this product.

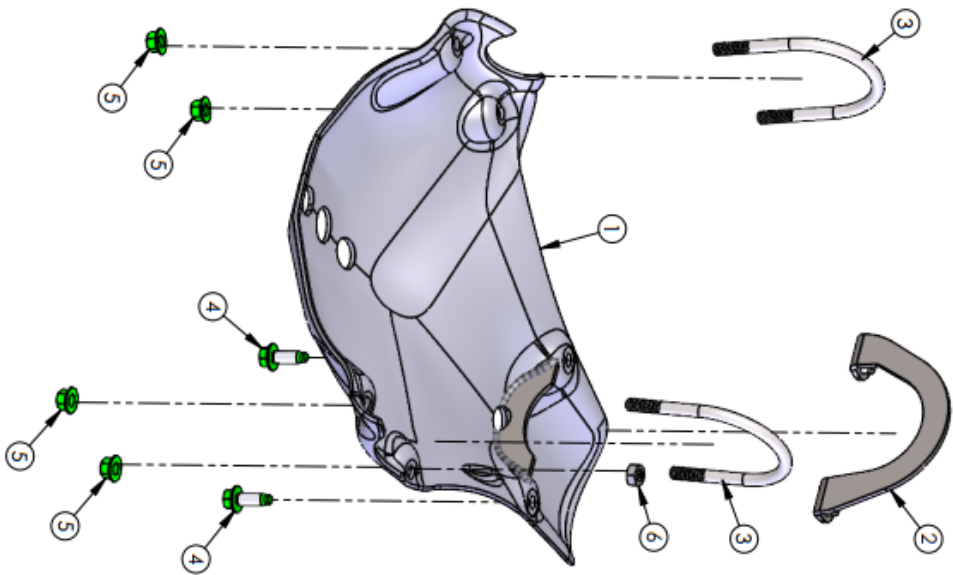
This is a new product, and we want to make sure that you receive the latest and most accurate information based on customer feedback, product revisions, and/or model year updates. We value customer feedback, so we encourage you to contact our Technical Support department if you have any suggestions on how to make the installation of this product easier or if you have any questions regarding the installation of this product. AEV's Technical Support can be reached by email at [tech@aev-conversions.com](mailto:tech@aev-conversions.com) or by giving us a call at (248)-926-0256.



### PLEASE READ BEFORE YOU START

To guarantee a quality installation, we recommend reading these instructions thoroughly before beginning any work. These instructions assume a certain amount of mechanical ability and are not written nor intended for someone not familiar with auto repair.

INCLUDED PARTS	QTY	REQUIRED TOOLS
		Common Hand Tools
Differential Slider	1	
Differential Slider Bracket	1	
M10 U-bolt	2	
Hardware Pack	1	



ITEM NO.	PartNo	DESCRIPTION	QTY.
1	AJLZ0102AA	FRT DIFF SLIDER STAMPING WELDMENT, JL SKID PLATES	1
2	AJLZ0103AA	FRT DIFF SLIDER BRKT WELDMENT, JL SKID PLATES	1
3	AJLZ1913AA	FRT DIFF SLIDER U-BOLT, JL SKID PLATES	2
4	11588738	M10 X 1.5 X 25 HEX FLANGE BOLT	2
5	11546366	M10 X 1.5 HEX FLANGE LOCK NUT	4
6	90685A046	Nut, M10-1.5 - 10	1



**NOTE: For 3.0L EcoDiesel, AEV recommends a suspension system with at least 1" of bump stop extension to provide sufficient clearance to the oil pan.**

1. Please begin with this step if installing the front differential slider on a 392 Wrangler. For all other models, skip to step 2.
  - a. For the front differential slider to have proper clearance, the vibration dampener must be removed on all 392 models
  - b. Begin by removing the 4 drive shaft bolts and separating the drive shaft from the vibration dampener
  - c. The vibration dampener has 2 torx bolts that retain it in place. Once these are removed, the dampener can be removed
  - d. Reinstall the drive shaft, apply blue Loctite to the bolts, and torque to 89ft-lbs in a X pattern



Image 1: Drive shaft bolts

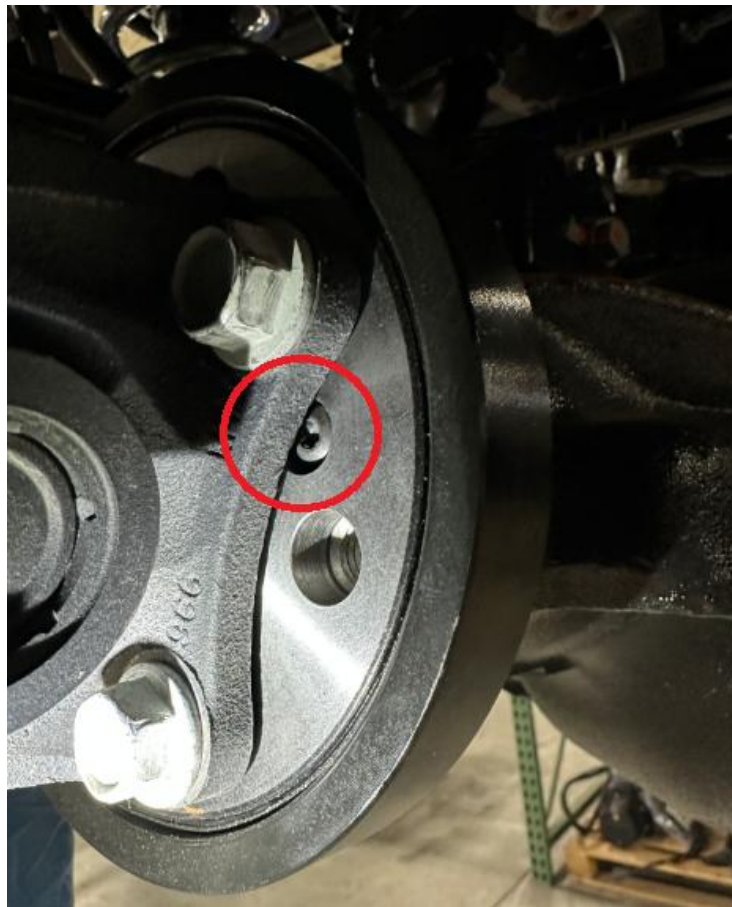


Image 2: Torx fastener retaining vibration dampener



2. Begin by loosely installing the two U-bolts with the M10 flange nuts
  - a. NOTE: ensure install the M10 nut onto the U-Bolt prior to loosely securing on the driver side of the vehicle. The nut is to be threaded to the top on the rear side of the U-bolt. see image 4.



Image 3: Loose install of U-Bolts



Image 4: Nut on driver side U-bolt

3. Place the differential slider bracket over the differential so that the tabs are facing towards the rear of the vehicle. Ensure that the bracket is over the top of the differential and loosely secure.





Image 5: Differential Slider Bracket Install

4. To begin the installation Process, begin with securing the driver side U-Bolt with the nut threaded to the top.
  - a. Tighten the flange nut on the underside of the Differential slider until approximately  $\frac{1}{4}$ " of threads are visible.
  - b. The nut on the upper part of the U-Bolt can now be tightened until contact is made with the slider
5. Secure the rest of the U-Bolt flange nuts ensuring that the threads are as equal as possible.
  - a. Torque all four to 30 ft-lbs.
6. Secure the two M10 bolts into the bracket
  - a. It is important to ensure that the bracket is seated on top of the differential
    - i. Reference image 5
  - b. Torque to 35 ft-lbs.



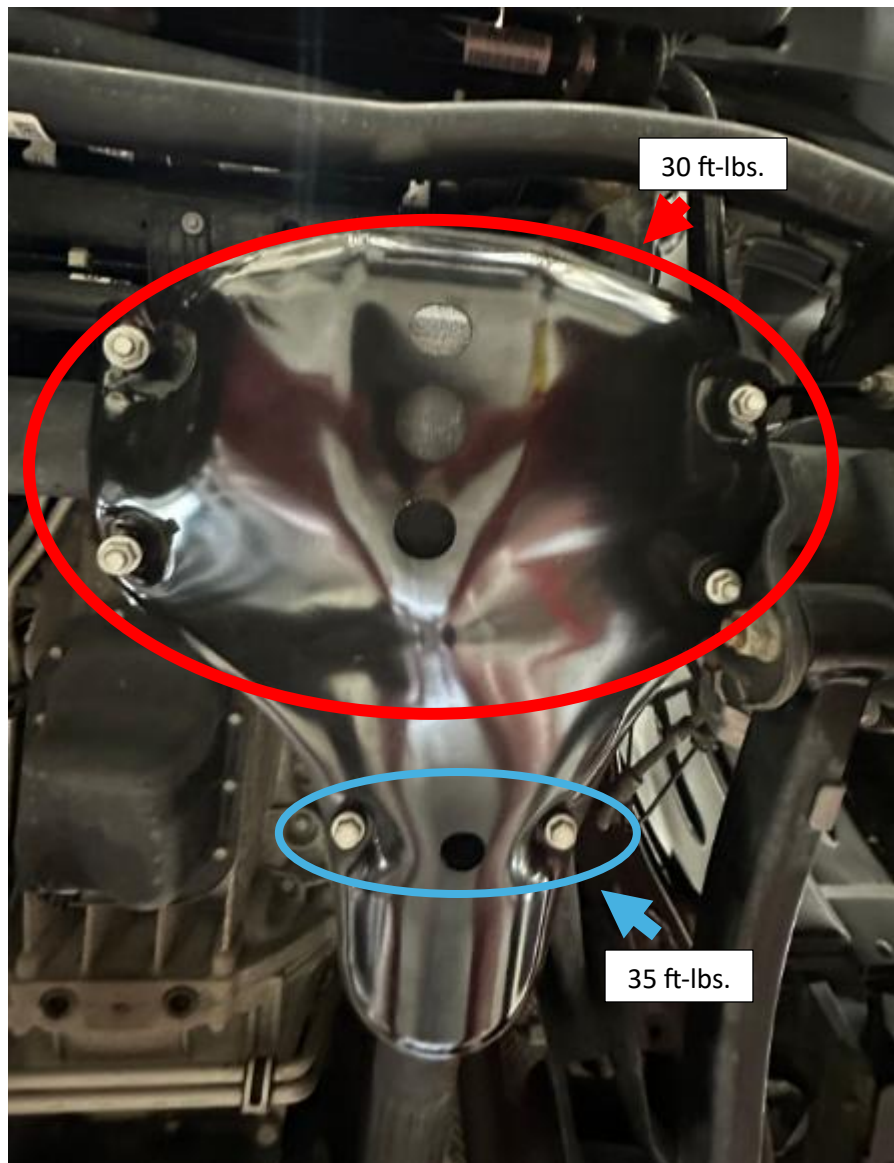


Image 6: Hardware Torque