

INSTALLATION MANUAL:

COR-4209830

Jeep Wrangler Muffler Skid Plate
Jeep JL 6.4L V8 2021+



REV: B | DATE: 07/20/2026 | AUTH: KW26

BUILDING THE ULTIMATE JEEP SUSPENSIONS

DISCLAIMER

WARNING:

Suspension systems and their components are designed to enhance your vehicle's off-road performance. This may cause your vehicle to handle differently, on and off-road. Always wear your seatbelt and take extra care when driving a modified vehicle. Failure to do so can result in loss of control which may result in a rollover causing serious injury, or even death to the driver and/or passengers of the vehicle. Regular maintenance and consistent inspections are required to keep your modified vehicle safe and functioning properly. These suspension systems and any components should be installed by certified technicians only. Attempts to install these products without proper knowledge can lead to poor performance, or possible failure, which may jeopardize the safety of the vehicle and its passengers. The installer is responsible for proper installation ensuring a safe and properly functioning vehicle. Take extra care when operating a modified vehicle and thoroughly inspect your vehicle before and after every off-road use.

Read the instruction set in its entirety before attempting the installation.

NOTE:

This product may require general welding, fabrication, and automotive mechanic skills. Welding should only be done by a competent welder. Clayton Off Road implies no guarantees or warranties and is not liable for improper installation. Some grinding and fitment may be required when installing this product. Every vehicle varies slightly, and some fabrication and/or modification may be required.

ATTENTION:

It is the customer's responsibility to thoroughly inspect all received parts to ensure they are assembled correctly and fully welded. Please carefully examine all weld seams and verify that bolt-through holes are properly aligned. Some Clayton Off Road products are permanent, non-removable, weld-on solutions. **If a defect or issue is found after installation, especially with permanent weld-on components, it may be difficult or impossible to correct.** Inspecting the part(s) received beforehand helps prevent unnecessary and avoidable complications.

All Clayton Off Road products are engineered and tested on U.S. spec, left-hand drive vehicles. Compatibility with right-hand drive vehicles is not guaranteed. Customer verification is highly recommended to ensure proper fitment prior to purchase.

ATTENTION: TORQUE SPECIFICATION

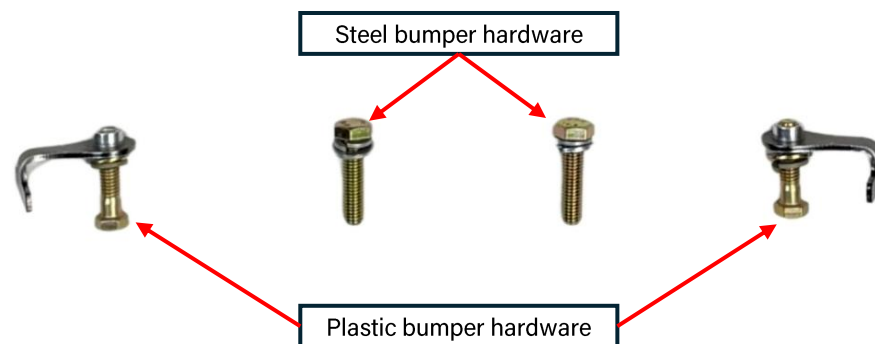
When working on any vehicle, it is good practice to torque suspension/weight-bearing components while the vehicle is resting under its load. This instruction set, as well as any other Clayton Off Road instruction set, assumes the installer will tighten any suspension-related components properly, to the recommended torque specification, when the vehicle is resting safely under its own weight.

ATTENTION!

This skid plate is compatible with 392 Wranglers with the steel OR the plastic rear bumper!

If your 392 is equipped with the rear steel bumper (with threaded inserts in the frame), then you will use the provided M10-1.5 x 40mm hardware (bolts, washers, and lock washers) to mount at the front of the skid plate.

If your 392 is equipped with the rear plastic bumper (the threaded inserts are missing in the frame), then you will use the provided 3/8"-16 x 1-1/2" hardware (bolts, washers, and lock washers) along with the teardrop flag-nuts.



INCLUDED ITEMS

4209830 - Jeep Wrangler Muffler Skid Plate (6.4L V8 JL, 2021+)			
QTY	Part Number	Description	Class/Grade
1	4209830A	Main Muffler Plate	N/A
1	4209830C	Muffler Skid Plate Support Bracket 1	N/A
1	4209830D	Muffler Skid Plate Support Bracket 2	N/A
2	42090830E	Muffler Skid Plate Teardrop Flag nut	N/A
2	15109	3/8"-16 x 1-1/2" Hex Cap Screw	Grade 8
4	15107	3/8"-16 x 1-1/4" Hex Cap Screw	Grade 8
6	33893	3/8" High Alloy Medium Split Lock Washer	Yellow Zinc
10	33815	3/8" x 0.812 OD Flat Washer	Yellow Zinc
4	36406	3/8" - 16 Hex Nut	Grade 8
2	40384	M10 DIN 127 Split Lock Washer	Zinc Plated
2	40358	M10 DIN 125 Flat Washer	Zinc Plated
2	11114548	M10-1.5 x 40mm Hex Head Bolt	Yellow Zinc

Product Notes and Features:

- 3/16" thick steel skid plate and brackets engineered using advanced CAD software and modern manufacturing techniques.
- Shields the 392 muffler from high-rise obstructions during extreme off-road driving scenarios
- Designed with "Clayton" and "392" logo cutouts and plenty of cooling holes
- Features an OEM-compatible, bolt-on design with secure mounting points to withstand impact
- No exhaust modification required
- Durable, heat-resistant powder coat
- **Currently only tested and confirmed fitment on the Jeep Wrangler 392 V8 (2021+)**



INSTALLATION INSTRUCTIONS

TOOLS REQUIRED FOR INSTALLATION

- Basic hand tools
- Metric wrench/socket set, 15mm, 16mm, 17mm
- Standard wrench/socket set, 9/16"
- Adjustable jack stand

*****Take this product to a licensed professional if you are hesitant about the installation process!*****

1. Begin by safely parking the vehicle on flat ground or on a shop lift. You will be working towards the back of the vehicle near the muffler. It is recommended to let the exhaust cool before installing the skid plate. The muffler can become extremely hot and can cause serious burns if touched.



Figure 1: Jeep JL 392 ready for installation

INSTALLATION INSTRUCTIONS

2a. **REAR STEEL BUMPER:** Remove the two bolts retaining the rear steel bumper tabs. Use a 16mm socket. You will be replacing these bolts with the provided M10-1.5 x 40mm bolts and hardware, because the OEM bolts are not long enough with the added length of the skid plate mount.

2b. **REAR PLASTIC BUMPER:** The bolts circled in Figure 2 below will not be present. **Instead, reference Figure 3.** Use the teardrop flag nuts by inserting the threaded end into the slots directly next to the hex holes.

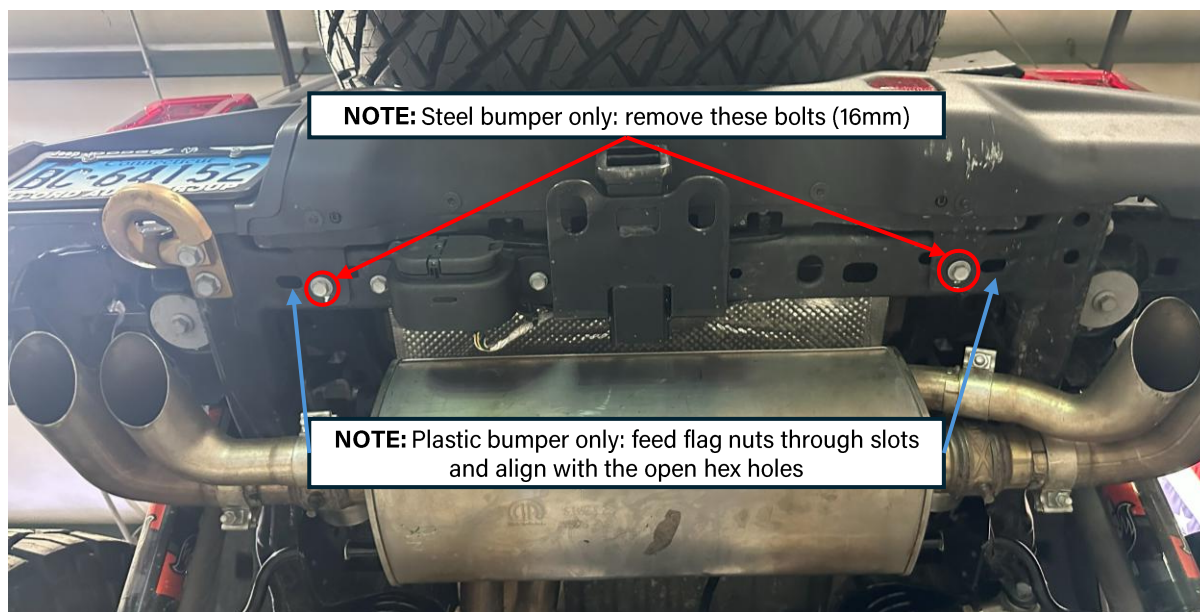


Figure 2: Frame mounting locations



Figure 3: Teardrop flag nut install location

INSTALLATION INSTRUCTIONS

3. Starting on the driver's side, fully remove the bolts from the frame sway bar bushing bracket using a 15mm socket. Slightly pull down on the sway bar to obtain some play, then slip the driver's side rear mount bracket under the sway bar bushing bracket. See Figure 4 below. **Loosely** thread back in the sway bar bushing bracket bolts.

The rear support brackets **are** side specific. When installed properly, the driver's side bracket will fall on the **inside** of the sway bar bushing as shown below in Figure 4.

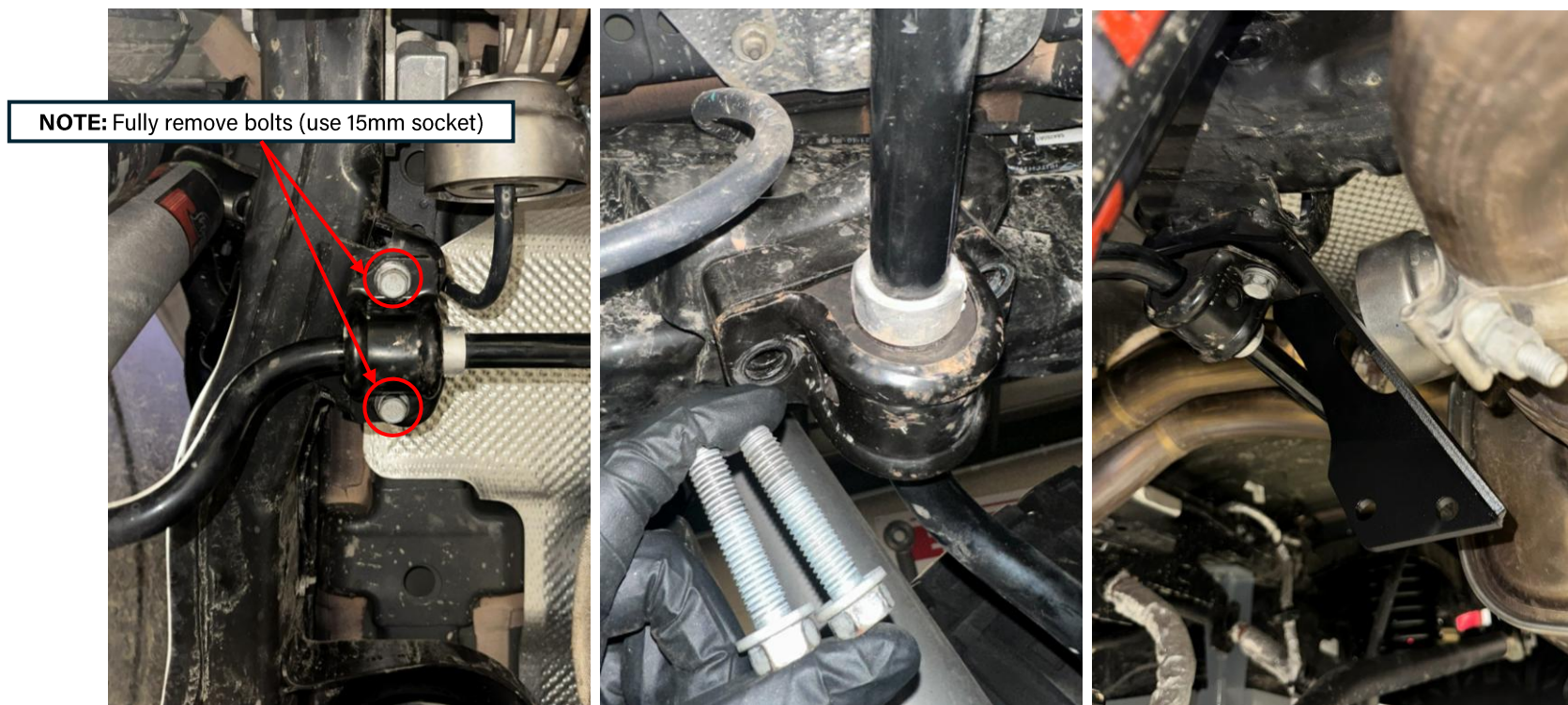


Figure 4: Driver's side rear support bracket loosely installed

INSTALLATION INSTRUCTIONS

4. Repeat Step 3 on the passenger side. The rear support brackets **are** side-specific. When installed properly, the passenger's side bracket will fall to the **inside** of the sway bar bracket bushing, as shown below in Figure 5.

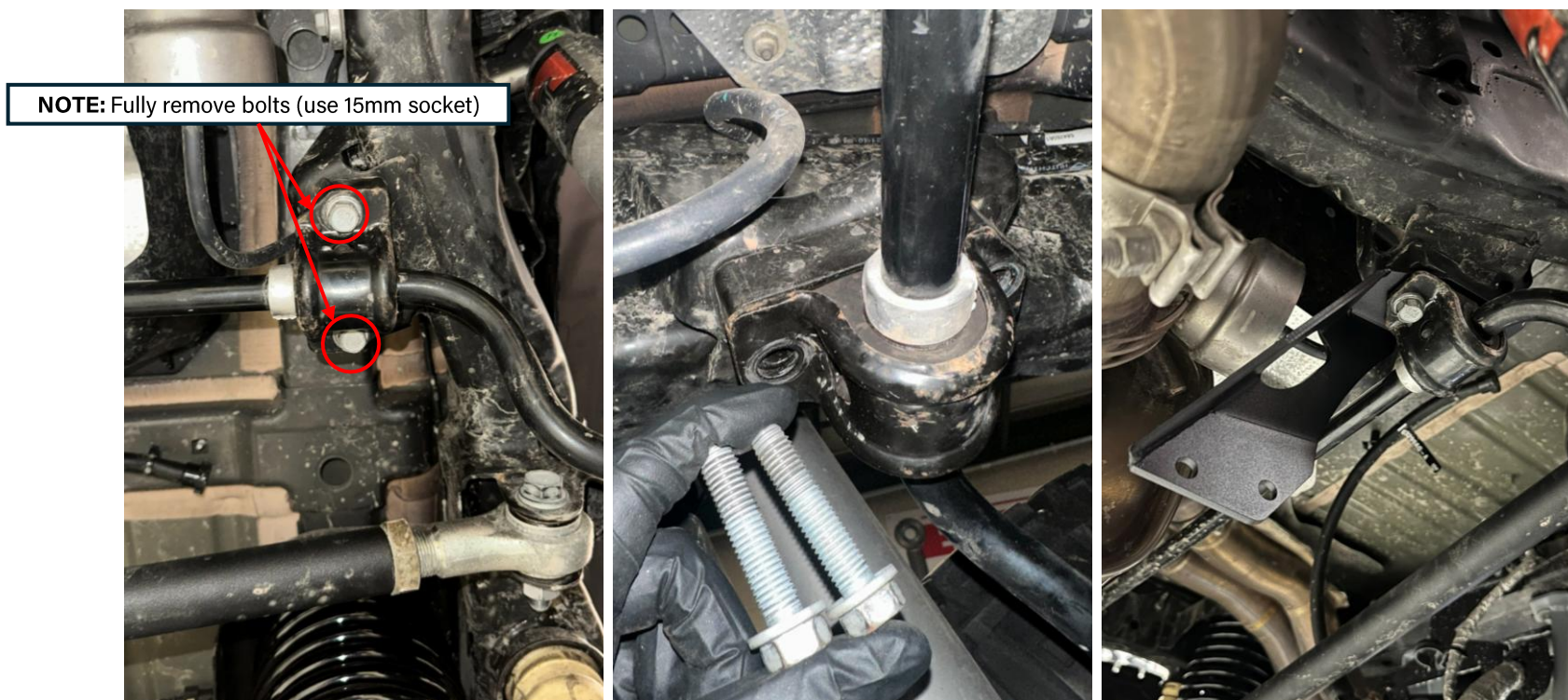


Figure 5: Passenger's side rear support bracket loosely installed

INSTALLATION INSTRUCTIONS

5. With the help of an adjustable jack stand (or a friend), slowly bring the skid plate up into the mounting position and align the front tabs at the threaded locations. **Again, depending on your rear bumper, ensure you are using the proper hardware.** **Loosely install hardware at the front of the skid plate.**

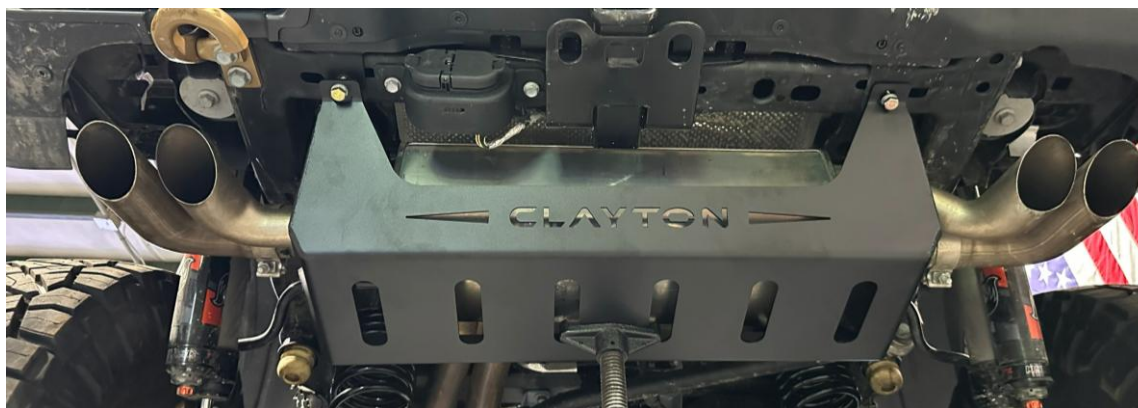
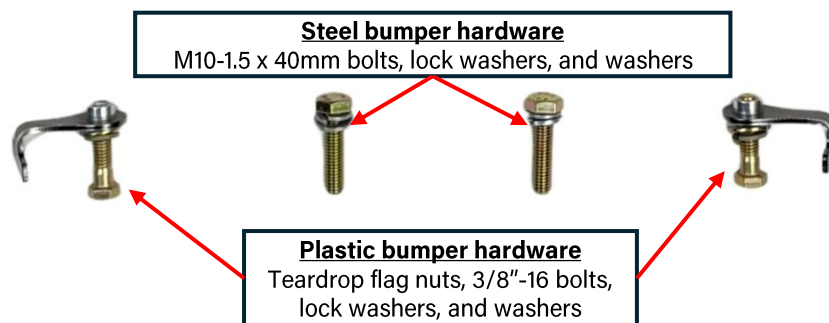


Figure 6: Skid plate located with front bolts loosely installed (steel rear bumper)



INSTALLATION INSTRUCTIONS

6. With the skid plate **loosely** installed at the front connections, lift the skid plate up and into position for the rear brackets. Both driver and passenger brackets will install on the **inside** of the skid plate. See Figure 7 and 8 below. Insert a 3/8"-16 x 1-1/4" bolt with lock washer and washer into the open holes once the bracket is aligned.



Figure 7: Driver's side rear support bracket loosely installed

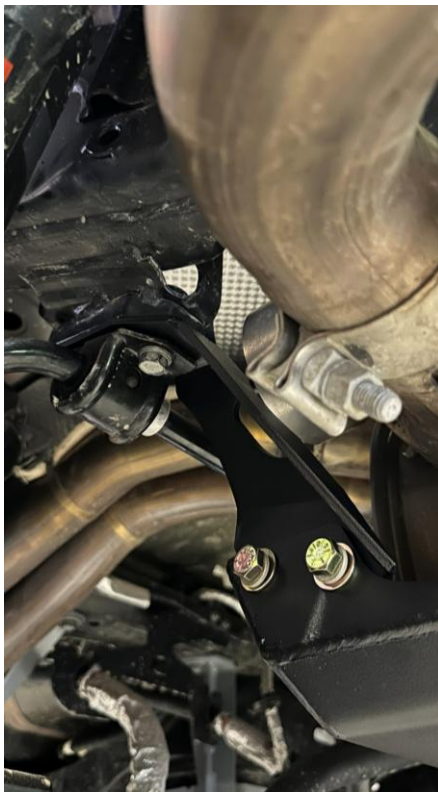


Figure 8: Passenger side rear support bracket loosely installed

INSTALLATION INSTRUCTIONS

7. At this point, all the hardware has been started but **loosely** threaded. Using Table 1 and Figure 9 below, go around and tighten all of the bolts to the recommended torque specification.

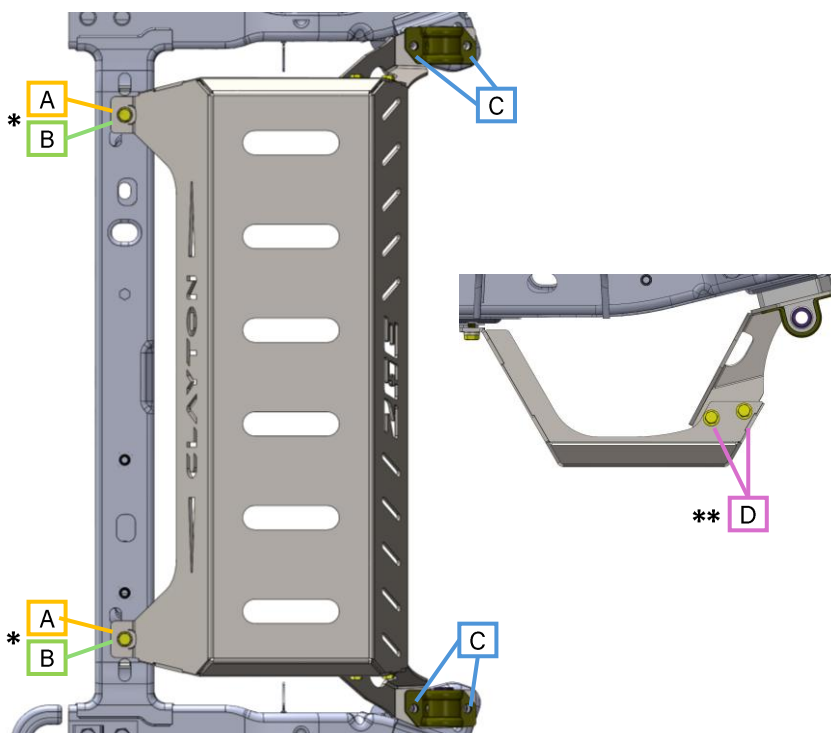


Figure 9: Bolt callouts on muffler skid plate hardware

Table 1: Torquing procedure for muffler skid plate hardware

BOLT ID	QTY.	DESCRIPTION	TORQUE (ft-lb)	TOOL SIZE
A	2	M10-1.5 x 40mm hex bolts (Used with steel rear bumper)	45	17mm
B	2	3/8"-16 x 1-1/2" hex bolts (Used with plastic rear bumper)	40	9/16"
C	4	OEM sway bar bushing bracket bolts (M10-1.5)	45	15mm
D	4	3/8"-16 x 1-1/4" hex bolts Rear support bracket bolts	40	9/16"

*** NOTE:** For bolts A and B, please see the warning at the beginning of the instructions for clarification.

*** NOTE:** For bolts D, only one bracket is shown in Figure 9. The remaining two bolts are located on the other support bracket.

INSTALLATION INSTRUCTIONS

8. The installation is now complete. Please ensure that all the hardware is torqued to specification (see Step 7, Table 1). Retorque all hardware after 500 miles of driving.



Figure 10: Installation complete