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Revisions			
Rev.	Description	Date	Approved
A	Initial Release Per ECO 17-011	1/31/17	AS



Jeep TJ/LJ Rear Lower Shock Relocation Brackets

Installation Instructions

Applications:

1997-2006 Jeep Wrangler (TJ/LJ)



TITLE:

**JEEP TJ/LJ REAR LOWER SHOCK
RELOCATION BRACKET
INSTALLATION INSTRUCTIONS**

SIZE	DWG NO:	REV
A	8170-01-INST	A
	SCALE: N/A	PAGE 1 OF 6



JEEP TJ/LJ REAR LOWER SHOCK RELOCATION BRACKET INSTALLATION INSTRUCTIONS

Thank you for purchasing the best aftermarket products available for your vehicle. We strongly feel that the parts you are about to install should meet or exceed your expectations for performance. Proper assembly is critical to the performance of these components and the vehicle as a whole. Please take the time to carefully read these instructions and familiarize yourself with the installation procedure before working on your vehicle. If you have any questions PLEASE contact Synergy Manufacturing BEFORE beginning installation. Thanks again for supporting Synergy – enjoy the performance benefits of the best aftermarket products available for your vehicle!

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Modifying or otherwise altering vehicle components may cause the vehicle to handle differently than originally designed. It is the driver's responsibility to familiarize themselves with the performance and handling characteristics of the modified vehicle. Vehicles with larger diameter than stock tires must be driven carefully and cannot be expected to perform as stock or meet OEM performance with regard to handling, braking or crash performance. Ensure all replacement components are compatible with vehicle capacities so as not to overload components, especially tires. It is up to the individual to ensure that the vehicle and all components are compatible with the intended vehicle use, including load ratings, road conditions, and driver abilities. Thorough and frequent vehicle inspections are recommended to ensure a safe and reliable state of readiness, especially after off-highway use.



Parts List

8170-01 JEEP TJ/LJ REAR SHOCK RELOCATION BRACKETS		
QTY	Part Number	Description
2	817001-01-PC	JEEP TJ/LJ REAR SHOCK RELOCATION BRACKET, POWDERCOATED
2	817001-02-COMPLETE	JEEP TJ/LJ REAR SHOCK RELOCATION SLEEVE
4	N/A	1/2-13 X 3" GRADE 8 HEX HEAD BOLT
4	N/A	1/2-13 LOCK NUT
8	N/A	1/2 GRADE 8 FLAT WASHER
4	N/A	1/2 ASTM F436 EXTRA THICK FLAT WASHER
2	N/A	3/8-16 X 1.25" GRADE 8 HEX HEAD BOLT
2	N/A	3/8-16 LOCK NUT
4	N/A	3/8 GRADE 8 FLAT WASHER

GENERAL NOTES

- These instructions are also available on our website; www.synergymfg.com. Check the website before you begin for any updated instructions and additional photos for your reference.
- The Jeep Wrangler platform has a large array of aftermarket parts available. Not all parts will work with each other. It is up to the end user to determine which parts are compatible with their vehicle. These mounts are designed to allow room for the shocks near the coil springs on a TJ with a CV style rear driveshaft, but may be useful in many other scenarios.

Tools Needed

- Basic hand tools
- Wrenches or sockets in sizes: 16mm, 3/4" and 1/2"

Estimated Installation Time

1 Hour

Installation

1. Remove the lower end of the shocks from the axle brackets. See **Figure 1**.



Figure 1. Lower Shock End Removed from Axle Bracket

2. Install the Synergy shock relocation brackets over the stock axle bracket. Loosely install the 3/8" hardware in the forward location. With the mounts in place, install the spacer sleeve in the stock shock location with a 1/2" bolt and washers on both sides. See **Figure 2**.



Figure 2. Synergy Shock Relocation Brackets Installed

3. With both bolts through the brackets, tighten the 3/8" bolts to 40 ft-lbs and 1/2" bolts to 90 ft-lbs.
4. Install the shocks in the new, rearward location. Use the thick washers as spacers to take up the space between the shock sleeve and the relocation bracket. **See Figures 3 and 4.**

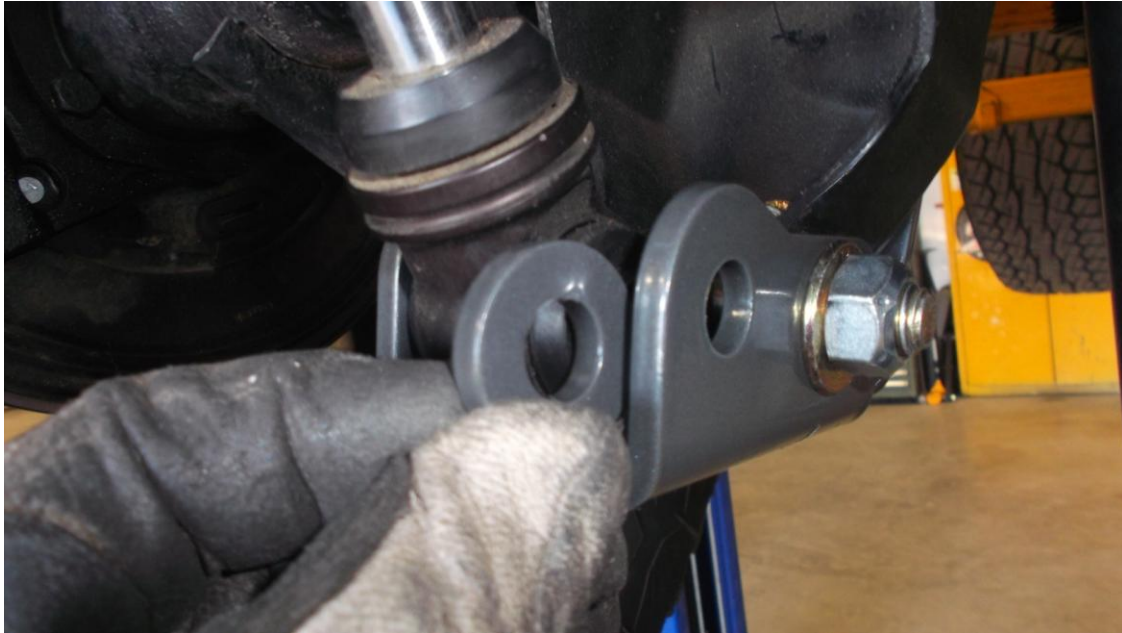


Figure 3. Installing Spacer Washer Between Shock Sleeve and Bracket



Figure 4. Spacer Washers Correctly Installed

5. Torque lower shock bolts to 90 lb-ft. See Figure 5.



Figure 5. Completed Installation

Installation is complete!