

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SYNERGY MFG. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF SYNERGY MFG IS PROHIBITED.

Revisions			
Rev.	Description	Date	Approved
A	Revised Per ECO 19-136	12/3/19	AS
B	Revised Per ECO20- 090	10/20/20	KB



## Jeep JK Front Sway Bar Links

### Installation Instructions

Applications:  
2007-2018 Jeep Wrangler (JK/JKU)



TITLE:	
<b>JEEP JK FRONT SWAY BAR LINKS</b>	

SIZE <b>A</b>	DWG NO:	REV
	<b>8059-INST</b>	<b>B</b>
SCALE: N/A		PAGE 1 OF 4



## JEEP JK FRONT SWAY BAR LINKS 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!

**Synergy Manufacturing**  
**Phone: (805) 242-0397**  
**Email: support@synergymfg.com**

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

#### 8059-11 JEEP JK REAR SWAY BAR LINKS

QTY	Part Number	Description
2	805911-PC	Jeep JK Front Sway Bar Links
2	413201	Sway Bar Link Tie Rod End
2	410001-02	Spherical Sway Bar Bushing
2	410001-03	Sway Bar Link Bushing Inner Sleeve
2		½-20 Right Hand Thread Jam Nut
2		Straight Zerk Grease Fitting, ¼-28 Thread

## GENERAL NOTES

- These instructions are also available on our website; [www.synergymfg.com](http://www.synergymfg.com). Check the website before you begin for any updated instructions and additional photos for your reference.
- For non-Rubicon models (without the electronic disconnect sway bar) we recommend installation of the Synergy 8077 JK Front Sway Bar Quick Disconnect Kit for increased suspension articulation while off road.
- Replacement bushings and tie rod ends are available from our web site; [www.synergymfg.com](http://www.synergymfg.com).

## TOOLS REQUIRED

- 14, 15, 18 and 19mm sockets/wrenches
- 5/16 or 8mm socket/wrench
- Torque Wrench
- Drill with 1/2" metal cutting bit

## ESTIMATED INSTALLATION TIME

.5 Hours

## INSTALLATION

1. Remove the factory sway bar links with a 18mm socket/wrench. Save the factory hardware.
2. If using the sway bar end links in conjunction with a Synergy Sway Bar Disconnect Kit, remove the sleeves from the bushings. Install the Disconnect studs per the kit instructions.
3. On some models a 1/2" drill bit or reamer will be needed to enlarge the holes in the sway bar for the new tie rod end studs. See **Figure 1**.



**Figure 1. Drilling Out the Sway Bar**

4. Make sure the sway bar links are the same length by adjusting (threading) the tie rod ends. Make sure to tighten the zerk fittings in the sway bar links.
5. Install the sway bar link rod ends into the sway bar, with the nuts towards the frame. Tighten to 60 lb-ft. Use an open end 14mm wrench to hold the flats on the stud next to the dust boot in order to prevent the stud from spinning. Make sure the zerk fitting on the sway bar link faces the front of the jeep. The nut requires a 15mm socket. See **Figure 2**.



**Figure 2. Correct sway bar link rod end orientation.**

6. If using the sway bar end links in conjunction with a Synergy Sway Bar Disconnect Kit, remove the sleeve inside the bushing end and slide the bushing end of the sway bar links over the studs. We recommend a light grease, soap or even just water as a lubricant to help the bushings slide on the studs. It may be necessary to raise or lower the axle on one side in order to get the hardware to line up. Make sure the zerk fitting is facing toward the front of the jeep and note that both sway bar links mount on the pass side of the axle mounts. See **Figure 3**.



**Figure 3. Sway bar bushing end with quick disconnect studs.**

7. If not using a Synergy Sway Bar Disconnect Kit, make sure the bushing sleeves are inside the bushing and install the axle side of the links to the axle brackets. It may be necessary to raise or lower the axle on one side in order to get the hardware to line up. Make sure the zerk fitting is facing toward the front of the jeep and note that both sway bar links mount on the pass side of the axle mounts. Torque lower bolt to 75 lb-ft.
8. Make sure to tighten the jam nut on the rod end. See **Figure 4**.



**Figure 4. Tightening the tie rod end jam nut.**

9. Recheck all hardware after 100 miles of driving and after every trip off road.

### **Installation is Complete**

