8055 JK FRONT TRACK BAR RELOCATION BRACKET
Version 4.0

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 installation of this bracket should not require any cutting or drilling.
- This bracket should be used with the 8001 drag link in the flipped position.
- You must use a minimum of 3" of front bump stop extension, 8057-30 (3") or 8057-40 (4") to prevent the track bar and bracket from hitting the bottom of the frame at full jounce travel.
- Thoroughly read through instructions prior to attempting installation. Make sure all hardware is installed correctly and in the proper location. Take careful note of which nuts are being used to secure U-bolt to bracket. The 3/8-16 nylock nut is to be installed on the U-bolt and carefully torqued to a maximum of 30 ft-lbs.

PARTS LIST:

- (1) 805501 JK Front Track Bar Bracket
- (1) 805502 JK Sway Bar Tab
- (2) 805503 JK Front Track Bar Spacer 1.50"
- (1) 805504 JK Front Track Bar Spacer 1.40"
- (2) 3/8-24 UNF x 1" long hex head bolt
- (2) 3/8-24 UNF Stover Nut
- (6) 3/8" Flat Washer
- (2) 3/8-16 UNC Nylock Nut
- (2) ½-20 UNF x 3" long hex head bolt
- (2) ½-20 UNF Stover Nut
- (5) ½" Flat Washer
- (1) 9/16-18 UNF x 3" long hex head bolt
- (1) 9/16-18 UNF Stover Nut
- (2) 9/16" Flat Washer
- (1) U-Bolt, 1.125" Radius x 4" long

APPROXIMATE INSTALL TIME: 1-1.5 HOURS

Instructions:
1. Remove the factory front track bar from the axle bracket and loosen the track bar from the frame bracket to allow the track bar to rotate out of the way. Secure the track bar up and out of the way with a bungee cord or something similar.

2. Remove the factory anti-sway bar links from the axle brackets, or remove completely if using new anti-sway bar links.
3. Position the new 8055 track bar bracket over the stock track bar bracket as shown below. Secure the bracket to the axle using the supplied 9/16 x 3" bolt and spacer, the spacer goes where the track bar was located in the stock bracket. There are 3 cylindrical spacers included with this kit, use the shorter one for this step, the two longer ones will be used later for the anti-sway bar relocation brackets. Use a washer under the head of the bolt and under the stover nut. Do not tighten this nut at this time; wait until all the other hardware is installed.
4. Install the (2) 3/8 x 1" bolts in the track bar relocation bracket on either side of the 9/16" bolt, use a flat washer under the bolt head and under the nut, then secure with the 3/8-24 UNF Stover nut.
5. Install the u-bolt over the axle tube and through the track bar relocation bracket, use a flat washer and the 3/8-16 UNC nylock nut to secure the u-bolt.
   - BE SURE TO USE THE 3/8-16 COARSE THREAD NYLOCK NUT ON THE U-BOLT!
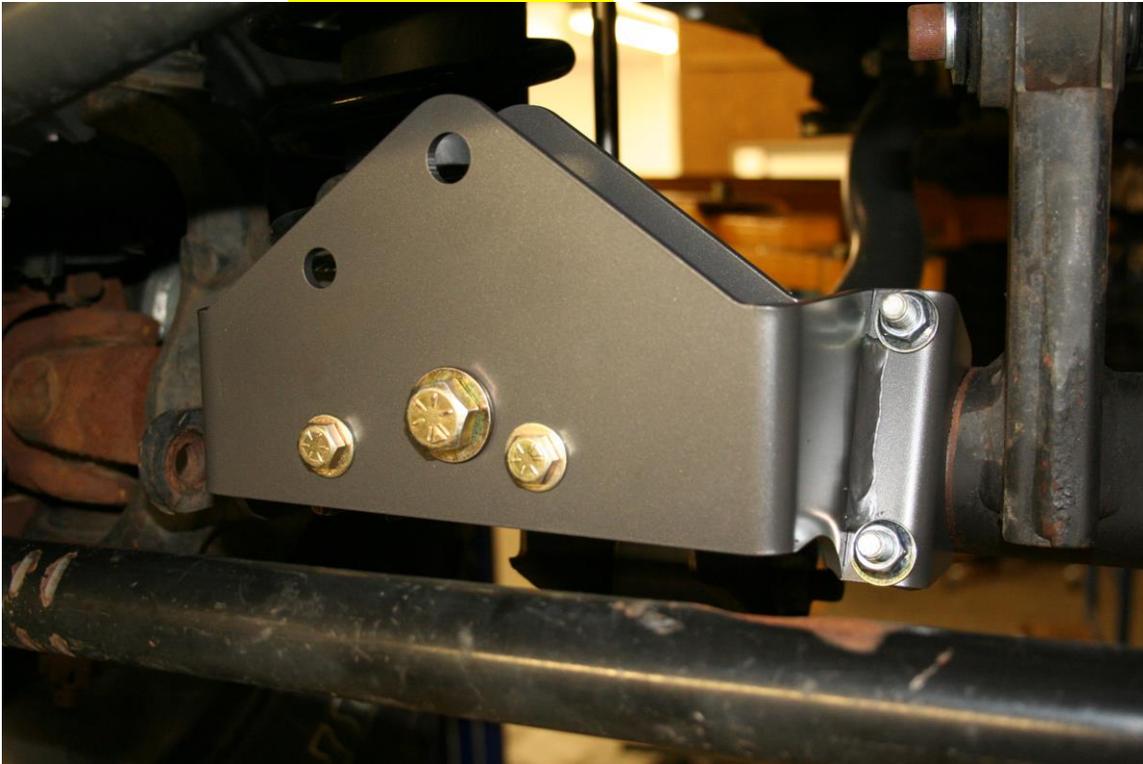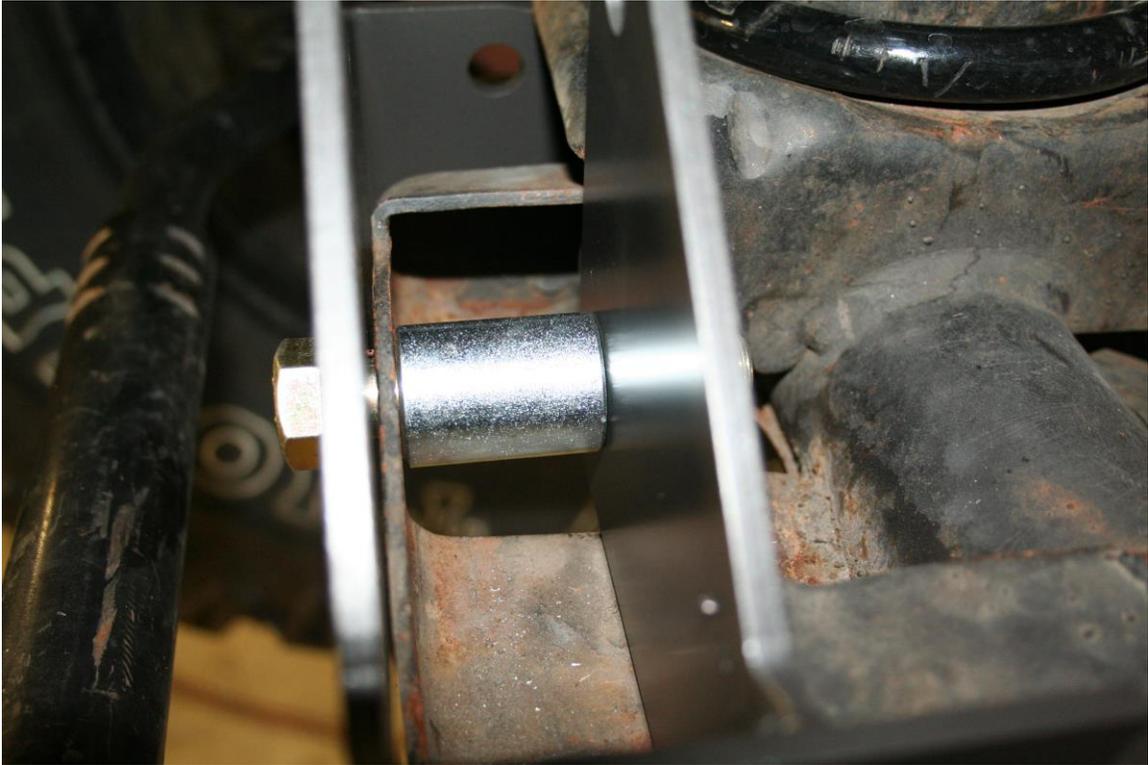
Detail view of track bar relocation bracket spacer installed

6. The anti-sway bar relocation bracket works in conjunction with the track bar relocation bracket to raise the anti-sway bar mounts by 1.75". This is required when using the Synergy Sway Bar Disconnect Kit. If you are relocating the anti-sway bar link mounts refer to step 7 & 8. If you want to keep the anti-sway bar links in the stock location, skip step 7 & 8 and refer to step 9.
7. Install one of the 1.5" spacers between the stock sway bar tab and the side of the track bar relocation bracket in the lower hole with a ½ x 3" bolt and top-lock nut; use a washer under the bolt head and nut. Refer to the picture below for assembly reference.
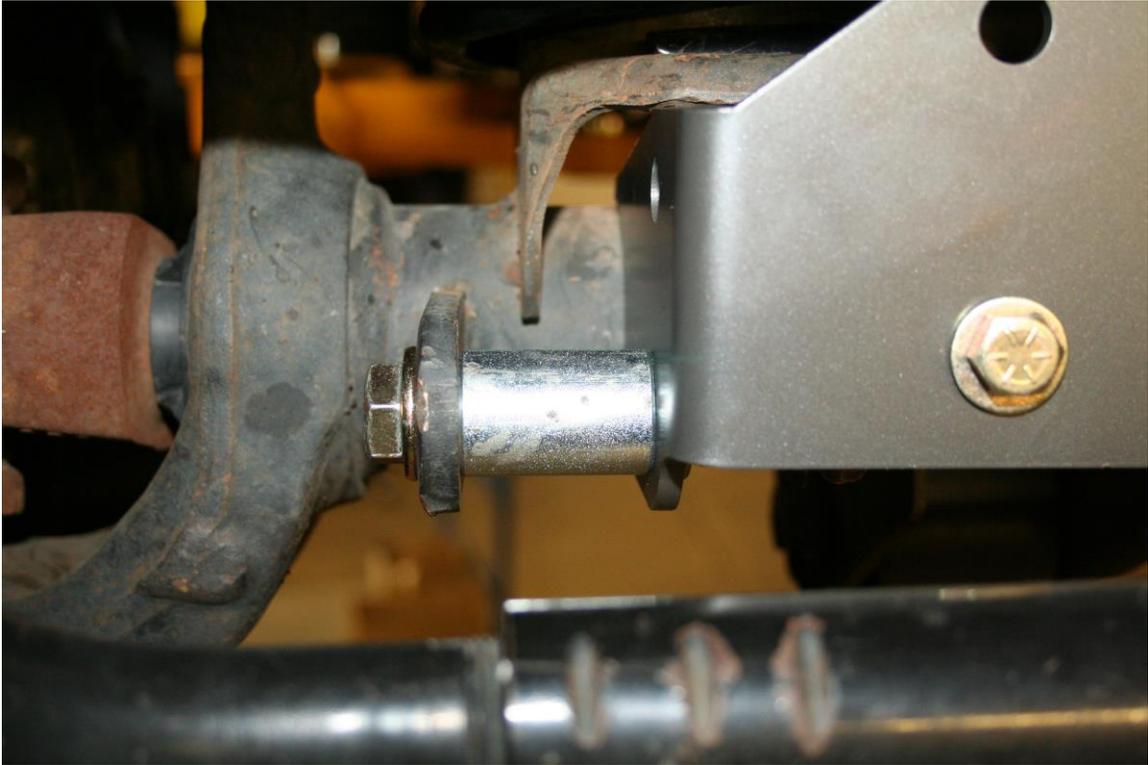
8. Install the driver side anti-sway bar relocation bracket using a 1.5"spacer and ½" x 3" bolt and top-lock nut; use a washer under the bolt-head and nut.

9. If you are not using the anti-sway bar relocation brackets and want to mount the sway bar links in the factory location, install the passenger side anti sway bar link between the track bar bracket and factory sway bar tab as shown below. Attach the driver side anti-sway bar link in the factory location.

10. The track bar relocation bracket also allows you to relocate the steering stabilizer to the top of the tie rod. Remove the steering stabilizer from the axle bracket and from the tie rod bracket.
11. Loosen the u-bolts on the tie rod steering stabilizer bracket and rotate it to the top of the tie rod as shown below. Tighten the u-bolts when finished.
    - NOTE – This can only be done on 2007-2010 models. 2011+ models require the use of 8003 Synergy Jeep JK Fox Steering Stabilizer Tie Rod Clamp.

12. Install the steering stabilizer to the tie rod bracket. Attach the shaft end of the steering stabilizer to the track bar relocation bracket using the factory nut and bolt and a ½ washer between the bushing and the track bar relocation bracket.
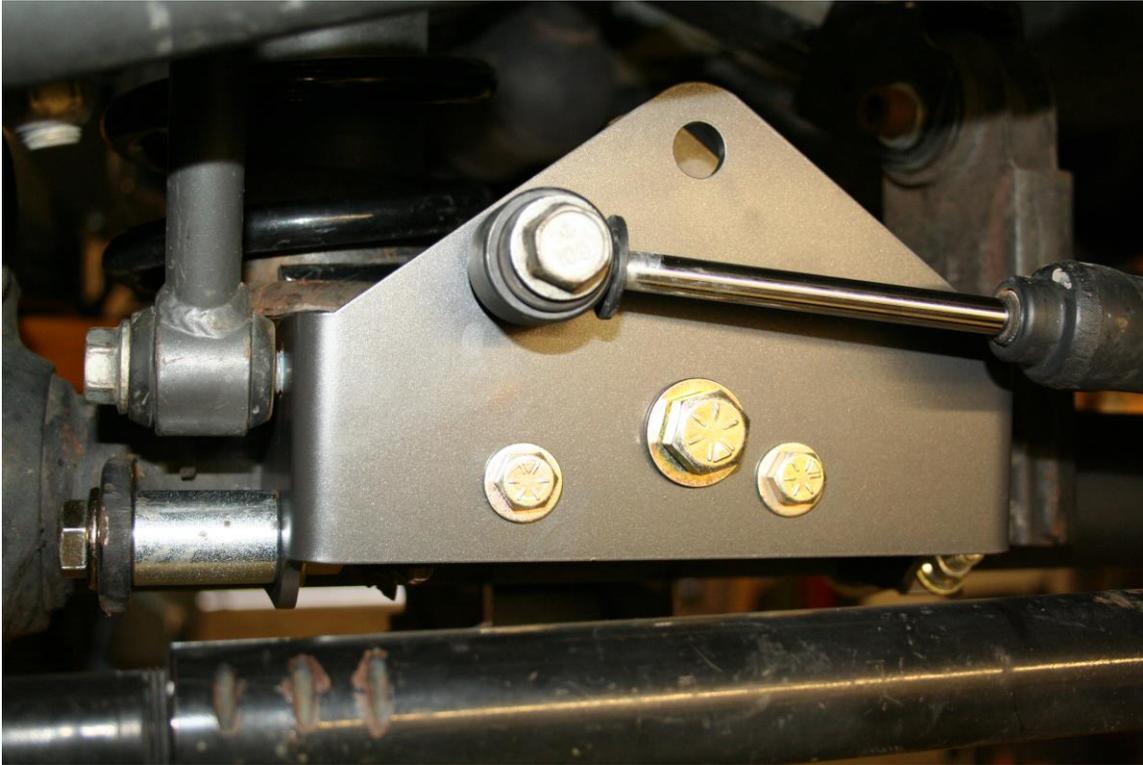
13. Reattach the track bar using the factory nut and bolt, it helps to have someone turn the steering wheel to align the track bar to the hole in the bracket.
14. Once all the hardware is installed in the track bar relocation bracket you can begin to torque all the hardware. Torque the 9/16 bolt to 150 ft-lbs, the ½" bolts to 90 ft-lbs, 3/8" bolts to 40 ft-lbs and the U-bolt nuts to 30 ft-lbs. Do not over tighten U-bolt nuts! Torque the factory track bar bolts to 125 ft-lbs and the factory anti-sway bar link bolts and steering stabilizer bolts to 90 ft-lbs. Remember to tighten the track bar frame mount bolt if you loosened it earlier.
15. You will probably have to re-center the steering wheel. Adjust the draglink to center the steering wheel. If the steering wheel is not centered the ESP light will come on, so make sure you adjust the draglink so the steering wheel is perfectly centered. This is accomplished by test driving and making the necessary adjustments. When driving in a straight line take note of which way the steering wheel need to turn to be centered. If the steering wheel needs to turn right to be centered, shorten the draglink. If the steering wheel needs to turn left to be centered, lengthen the draglink.
16. Installation is Complete.