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Revisions			
Rev.	Description	Date	Approved
-	Initial Release Per ECO 22-028	5/4/2022	KB



Front Track Bar Bracket

Installation Instructions

Applications:
 2018+ Jeep JL Wrangler
 2020+ Jeep JT Gladiator



TITLE:	
FRONT TRACK BAR BRACKET INSTALLATION INSTRUCTIONS	

SIZE	DWG NO:	REV
A	8855-11-INST	-
SCALE: N/A		PAGE 1 OF 9



FRONT TRACK BAR 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

8855-11 Part Title

QTY	Part Number	Description
1	885511-PC	JL FRONT TRACK BAR BRACKET, POWDER COATED
1	885502-01-PC	JL FRONT SWAY BAR LINK RELOCATION TAB, POWDER COATED
1	885503-PL	JL FRONT TRACK BAR BRACKET, NUT TAB, PLATED
1	805504-PL	FRONT TRACK BAR SPACER, 1.4" LONG, PLATED
1	805503-PL	FRONT TRACK BAR SPACER, 1.5" LONG, PLATED
1	UB-6C-315-425	U-BOLT, 1.58 RADIUS X 4.38"
1	NA	M14-2.00 X 80MM HEX HEAD BOLT, CLASS 10.9, ZINC PLATED
1	NA	M14-2.00 X 70MM HEX HEAD BOLT, CLASS 10.9, ZINC PLATED
2	NA	M12-1.75 X 40MM HEX HEAD BOLT, CLASS 10.9, ZINC PLATED
2	NA	M14-2.00 TOP LOCK NUT, CLASS 10.9, ZINC PLATED
2	NA	M12-1.75 TOP LOCK NUT, CLASS 10.9, ZINC PLATED
4	NA	M14 FLAT WASHER, CLASS 10.9, ZINC PLATED
4	NA	M12 FLAT WASHER, CLASS 10.9, ZINC PLATED
1	NA	1/2-13 X 3.0", HEX HEAD BOLT, GRADE 8, ZINC PLATED
1	NA	1/2" FLAT SAE WASHER, GRADE 8, ZINC PLATED
2	NA	NYLOCK NUT, 3/8-16, ZINC PLATE
2	NA	3/8" FLAT SAE WASHER, GR8, ZINC PLATED

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.
- To avoid bump steer, this bracket **MUST** be used with the 8800-01 draglink in the flipped position, or a knuckle that flips the drag link to the top like the Reid JL001L-F/JL001R-F.
- You must use a minimum of 3" of front bump stop extension (PN:8057-10) to prevent the track bar and bracket from hitting the bottom of the frame at full compression travel.
- This bracket must be used with some form of sway bar disconnects and is designed to work with the 8859-11 Front Sway Bar Links. Suspension systems designed to work with the steering correction kit will allow enough suspension travel to overwhelm the stock Rubicon electronic sway bar system and cause sway bar link or mount failure.
- This bracket can also be used with the 8807-03 or 8807-04 Synergy Steering Stabilizer Relocation kits by substituting the lower through bolt for the stud in the relocation kits.

TOOLS REQUIRED

- 18mm, 21mm, 22mm Sockets and Wrenches
- 3/4" Sockets and Wrenches
- Prybar
- Torque Wrench

ESTIMATED INSTALLATION TIME

1.5 Hours

INSTALLATION

1. Installation can be done on the ground or in the air on a lift. Pulling the wheels and tires off will allow you more room to work, but it isn't required for installation. Disconnect the sway bar links from the axle mounts on each side of the axle and rotate the sway bar and end links up out of the way.
2. Remove the steering stabilizer followed by the front axle track bar bolt and pull the track bar up out of the bracket. Support the passenger side of the track bar by tying up the end so it does not fall down in your way while working on the axle. See **Figure 1**.



Figure 1. Trackbar End Supported

3. Place the Synergy Front Track Bar Bracket over the factory track bar mount on the front axle of the Jeep. The Synergy bracket should overlap the front of the factory mount and fit over the sway bar mounting tab. See **Figure 2**.

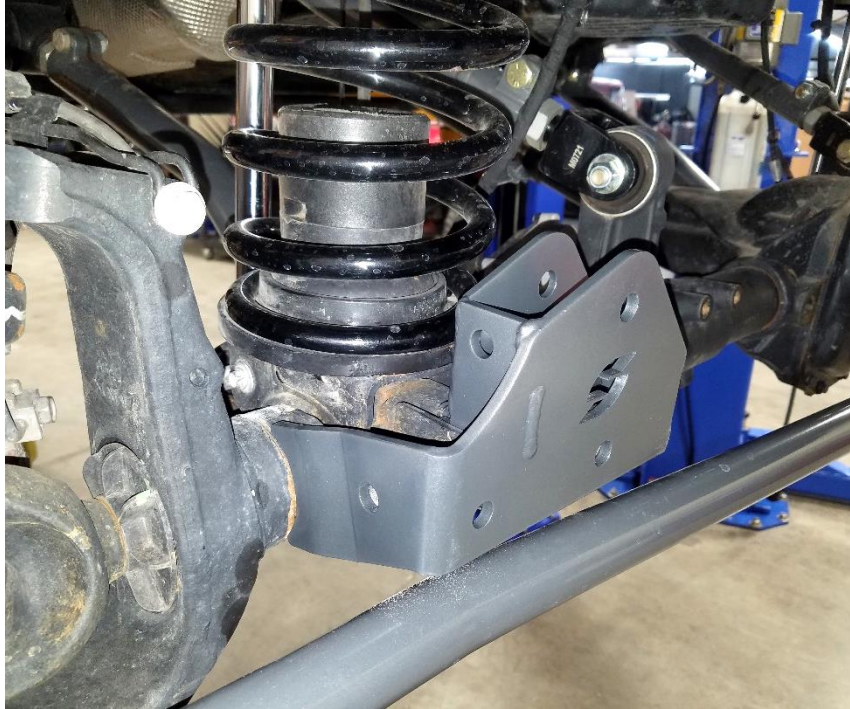


Figure 2. Synergy Bracket Loosely Installed on Axle

4. Insert the shorter 805504-PL 1.4" long spacer inside the Synergy bracket and factory track bar mount where the factory track bar bolt goes. Install the M14-2.00 x 80mm long bolt with a washer on it in the lower hole of the Synergy bracket and through the factory track bar bolt holes. The bolt should pass through the Synergy bracket, factory mount, spacer, Synergy mount, and exit the back of the factory mount. Use another washer and an M14-2.00 top lock nut to keep the bolt from falling out. Do not tighten yet. See **Figure 3**.

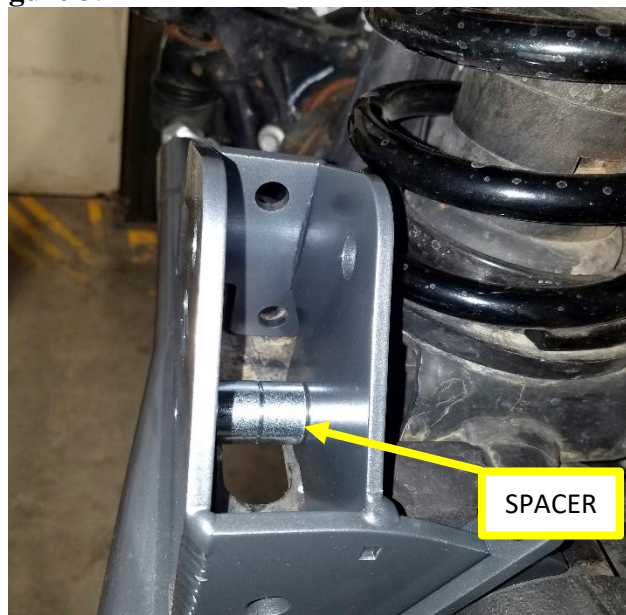


Figure 3. Spacer Installed Inside Bracket

5. Install the longer 805503-PL 1.5" spacer in the factory sway bar location and put the 1/2-13 x 3.0" long bolt and washer through the sway bar mounting holes in the side of the bracket. Insert the included 885503-PL nut tab inside the bracket, from the top down, and hand tighten. See **Figure 4 and 5**.

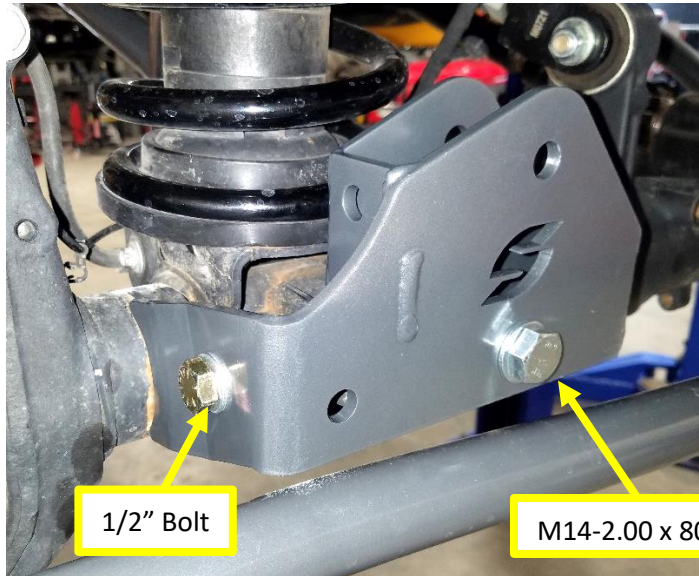


Figure 4. 1/2" Bolt Through Side

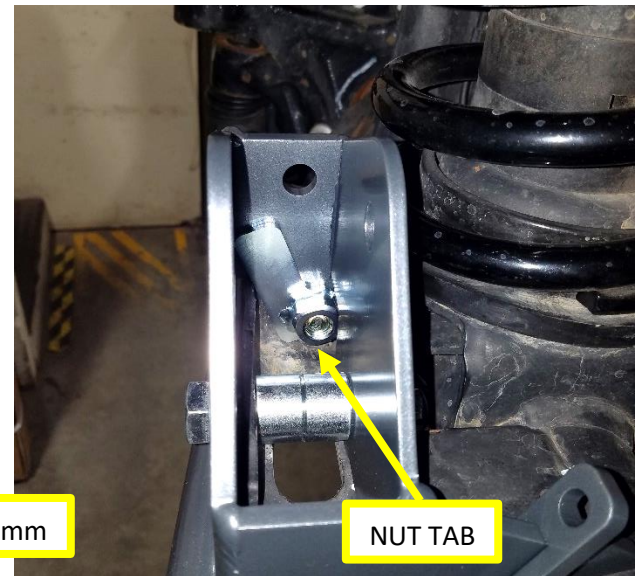


Figure 5. Nut Tab on Inside of Bracket

6. Use a 10mm wrench or socket and remove the screw on the passengers side of the Front Axle Disconnect skid plate as shown in **Figure 6**.

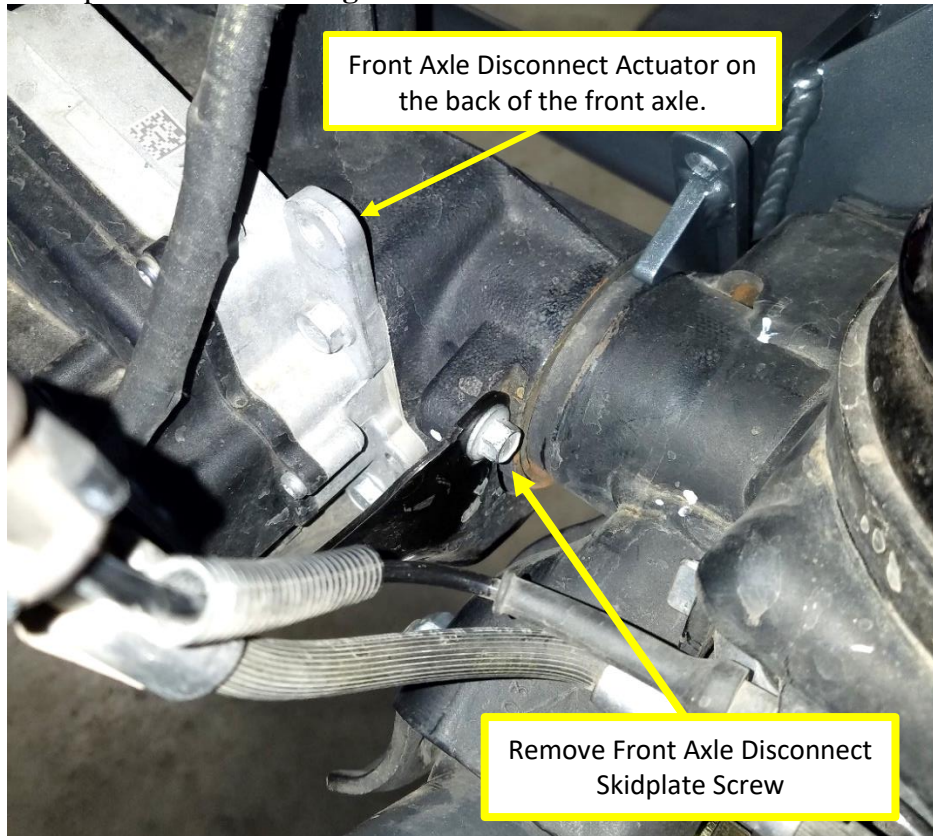


Figure 6. Temporarily Remove the Front Axle Disconnect Skidplate Screw

- The U-bolt goes around the axle tube and into the holes in the bracket on the driver's side of the bracket. Use the two 3/8 nylock nuts and washers to secure it. Leave loose at this time.
- Reinstall the screw for the Front Axle Disconnect skidplate.
- Drop the track bar down into the Synergy bracket and use the M14-2.00 x 70mm, remaining 14mm washers, and an M14-2.00 top lock nut to hold the track bar in place. You may have to lower the axle relative to the chassis or adjust the length of the track bar if you have an adjustable track bar in order to get the bolt hole and track bar to line up properly.
- Torque all the bolts in the bracket to specification. Torque both M14-2.00 bolts to 125lb-ft, and torque the 1/2"-13 bolt to 80lb-ft. Torque the U-bolt nuts to 30lb-ft. Do not over tighten the U-bolt nuts! See **Figure 7**.

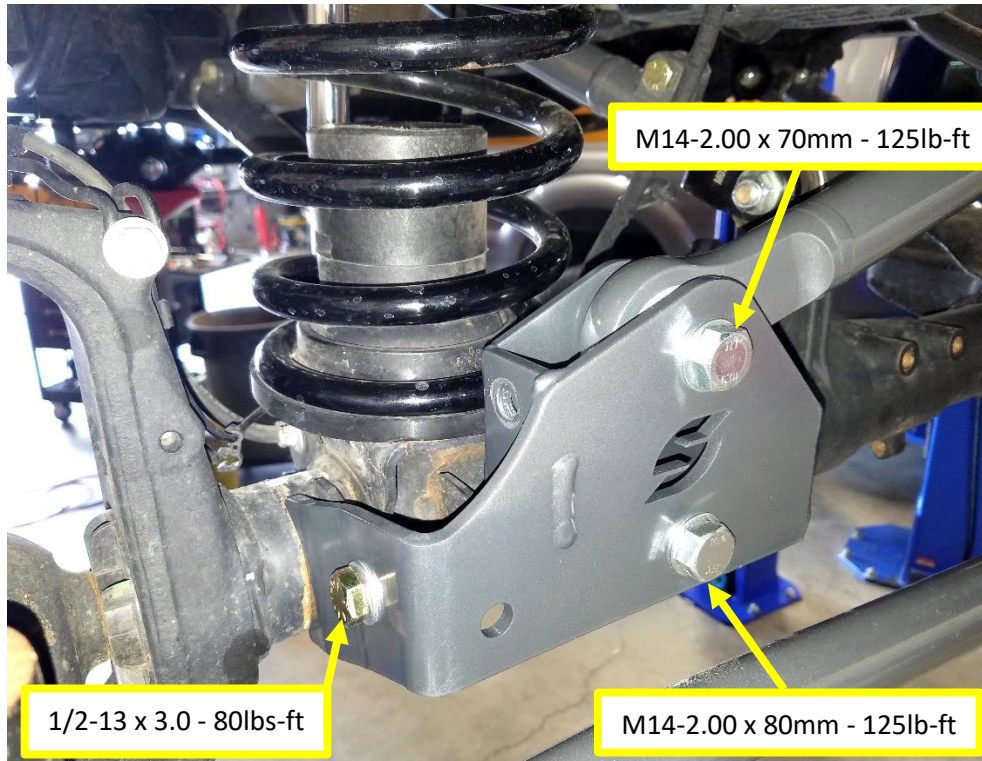


Figure 7. Track Bar Installed into Bracket

- Install the 885502-01-PC Synergy Sway Bar Relocation Bracket on the driver's side of the front axle. Installation is best done with the driver's side spring removed, but may be done with it in place. These instructions assume the bracket is being used with Synergy springs. If using with a stock lower spring isolator, the isolator must be trimmed as shown in **Figures 8 and 9**.



Figures 8 and 9. Trimming Stock Lower Spring Isolator

12. The Synergy Sway Bar Relocation Bracket has a radius to accommodate the axle tube. Insert the relocation bracket between the factory axle side sway bar link bracket and the coil spring mount on the driver's side. It may be necessary to tap the bracket into place using a soft face hammer.
See Figure 10.

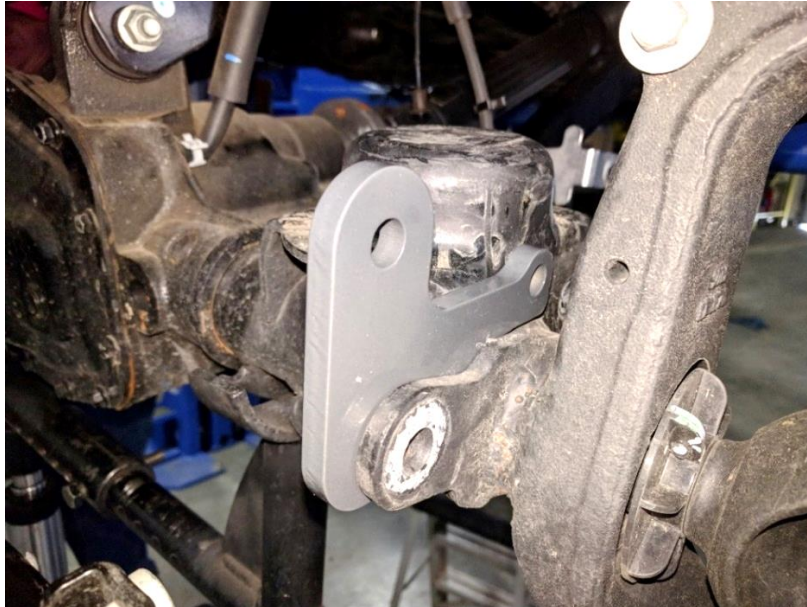


Figure 10. Sway Bar Link Relocation Bracket Orientation

13. Align the inner Synergy Sway Bar Link Relocation Bracket hole with the hole in the lower spring perch. Loosely install an M12 bolt through the spring perch and the Synergy Sway Bar Link Relocation Bracket. Use a washer under the head of the bolt and under the nut. Install the hardware with the bolt head facing 'in', towards the center of the vehicle.
14. It may be necessary to use a soft face mallet (or a block of wood with a metal hammer) in order to get the stock sway bar mount hole to line up. Once the forward hole is aligned, loosely install an M12 bolt through the stock sway bar mount and the Synergy Sway Bar Link Relocation Bracket.
15. Use a washer under the head of the bolt and under the nut. Install the M12 bolt with the bolt head facing 'out' towards the wheel. **Figure 11** shows a correctly installed bracket.

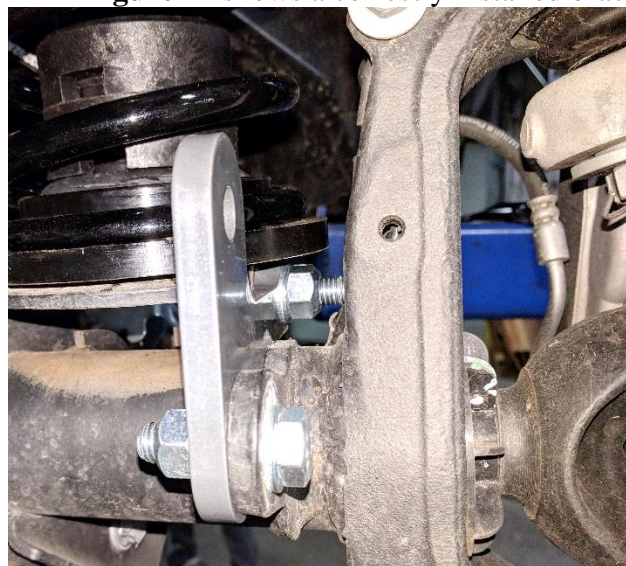


Figure 11. Correctly Installed Bracket

16. Torque the M12 bolts and nuts to 70lb-ft.

17. At this point you can install your choice of sway bar disconnect links. We highly recommend using the Synergy Manufacturing 8859-10 Sway Bar Links with Quick Disconnects. The bushing end of the link attaches to the upper hole in the Synergy Sway Bar Relocation Bracket, on the inside of the bracket (towards the center of the vehicle). If using the Synergy 8859-10 Sway Bar Links with Quick Disconnects, torque the pin nut to 80lb-ft. **Figure 12.** shows a correctly installed link on the driver side of the vehicle using the Synergy Sway Bar Disconnect Pin.



Figures 12. Correctly Installed Driver's Side Sway Bar End Link

18. Install the passenger side sway bar end link into the upper hole in the side of the Synergy Front Track Bar Relocation Bracket. If using the Synergy Sway Bar Disconnect Pin, torque the pin nut to 80lb-ft. See **Figure 13.**

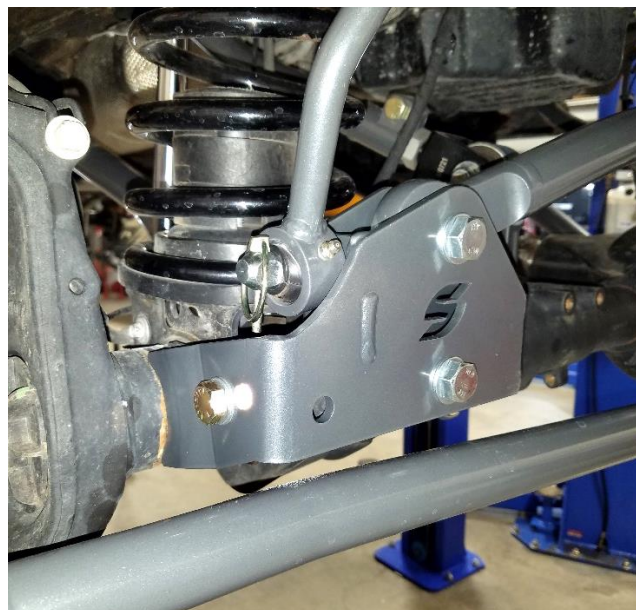


Figure 13. Sway Bar Link Installed on Bracket

19. Installation is now complete. Check bolt torques after approximately 100 miles.



Table 1. Vehicle Bolt Torques

Bolted Joint Location	Wrench Size	Torque
Lug Nuts	21mm (OEM)	125lb-ft
M14-2.00 bolts, all	22mm	125lb-ft
1/2-13 x 3.0" bolt	3/4"	80lb-ft
Synergy Sway Bar Disconnect Studs	3/4"	80lb-ft