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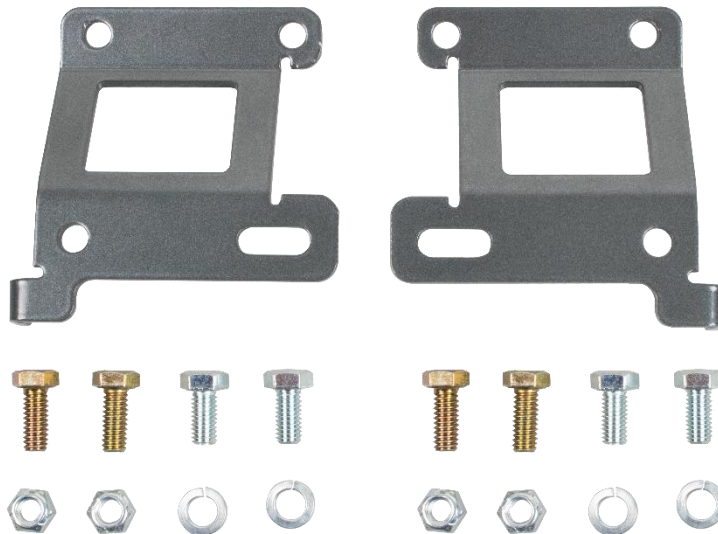
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FORD SUPER DUTY FRONT BRAKE LINE RELOCATION BRACKET

Installation Instructions

Applications:
2005+ Ford F250/F350 4X4



TITLE:
FORD SUPER DUTY FRONT BRAKE LINE RELOCATION INSTALL INSTRUCTIONS

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FORD SUPER DUTY FRONT BRAKE LINE 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 – Front Brake Line Relocation Bracket

8682-01 Ford SD 05+ Front Brake Line Relocation Bracket		
QTY	Part Number	Description
1	868201-01L-PL	Ford SD, 05-21, Front Brake Line Relocation Bracket, Left Plated
1	868201-01R-PL	Ford SD, 05-21, Front Brake Line Relocation Bracket, Right Plated
2	HC8-5-03	5/16-18 X 3/4 GRADE 8 BOLT
2	NSC-5	5/16-18 STOVER NUT
2	HM08-1.25-16-8.8	M8-1.25X12 HEX HED BOLT
2	WL-M08	M8 LOCK 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.
- This installation can be performed with the vehicle raised on a lift or on level ground. It is not necessary to remove the tires, tires were removed for clarity and ease of installation.

Tools Needed

- 10mm, 13mm socket and ratchet
- 13mm wrench
- Jack

Estimated Installation Time:

~30 Minutes

Installation

1. Starting on the driver's side, remove the vacuum hose on the bottom of the bracket, if your truck is equipped with auto locking front hubs, and remove the 10mm head screw holding the brake line bracket in place. See **Figure 1**.

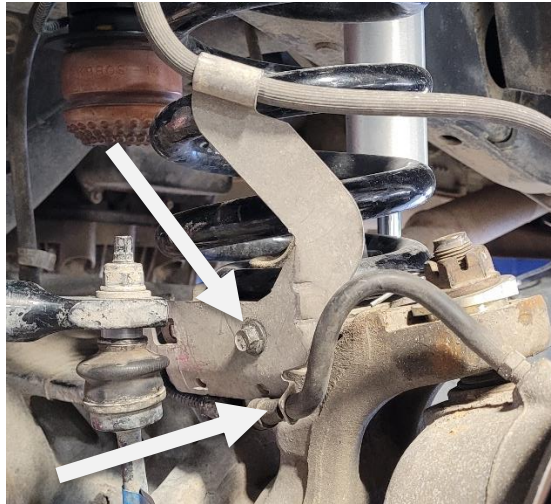


Figure 1. Remove the Vacuum Line and 10mm Head Bolt

2. Clean out the inner hole on the lower spring perch of any foreign material. If using compressed air, be sure to use safety glasses. See **Figure 2**.



Figure 2. Cleaning the Inner Hole



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3. Install the Synergy front brake relocation bracket using the supplied M8 screw and lock washer and factory M8 screw, torque to 13 ft. lbs. The slot should face inward and the bend should be forward sloping. Attached the factory bracket to the Synergy bracket with the supplied 5/16" screw and nut, torque to 13 ft lbs. **See Figure 3.**

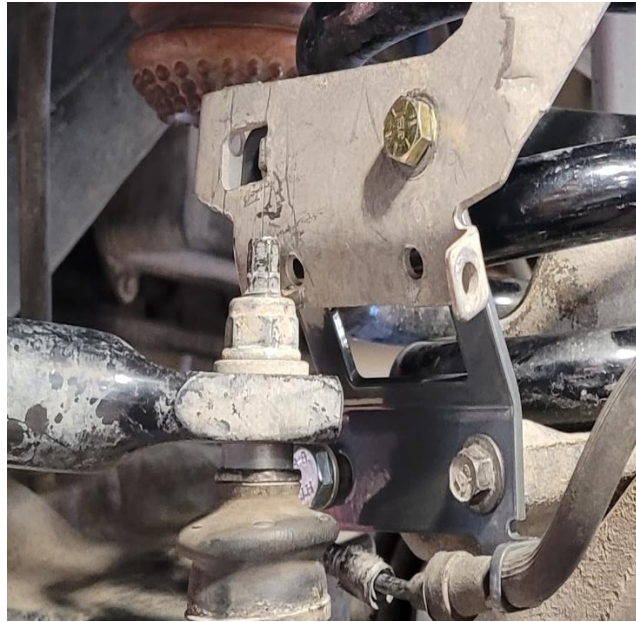


Figure 3. Correct Orientation of Driver Side Bracket.

4. Pull around 1/2" to 3/4" of brake hose through the factory brake line bracket towards the caliper, **As Shown in Figure 4.**



Figure 4. Brake Hose Pulled.



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5. Jack the vehicle up by the frame until the suspension is fully drooped. Verify the knuckle turns lock to lock without the brake hose becoming overly tight. Adjust the brake hose in the bracket to ensure both ends are not being pulled too tight. If the brake hose cannot be satisfactorily adjusted through all ranges in travel, a longer brake hose must be installed.
6. Perform the same operations on the other side of the truck.

Installation is complete!

