



34935 Flyover Ct. Bakersfield, CA 93308
Phone: (661) 588-8085 | Fax: (661) 588-8295

INSTALL INSTRUCTIONS:
2017-2018 Ford F250/350/450
Super Duty Brake Line Kit
SKU: 120-90588

PARTS LIST FOR SKU: 120-90588

QTY.	PART #	DESCRIPTION
1	8545	2017 FSD Brake Line Drop Bracket Drivers
1	8546	2017 FSD Brake Line Drop Bracket Passenger
2	-	5/16"-18 x 3/4" Lg. Hex Head Cap Screw
2	-	5/16"-18 Locknut
4	-	5/16" SAE Flat Washer
8	H-63124	6" black cable ties



WARNING

Please read this entire instruction sheet before beginning installation. Proper installation of these components requires a qualified mechanic. Always wear safety glasses when using power tools, and take appropriate precautions when working under a vehicle. If these instructions are not properly followed you may jeopardize your, and your passenger's safety, and severe frame, suspension or tire damage may also result from improper installation.

REQUIREMENTS

- Installation requires a qualified mechanic
- A lift is required to perform the installation of these products and always ensure the vehicle is properly supported before attempting installation or serious injury may occur.
- Read instructions carefully and study the pictures before attempting installation.

TECHNICAL INFORMATION

- Check the parts and hardware packages against the parts list to assure that your kit is complete
- Each lift kit, and options to lift kits, are packaged separately. Therefore installation procedures are covered in separate instructions. Familiarize yourself with each specific set of instructions before beginning.
- Follow the OE specifications when replacing or re-installing OE fasteners, retainers, and hardware specified in the OEM manual

INSTALLATION

1. Before starting, secure the rear tires to prevent vehicle from moving, but do not lift at this time. With the vehicle remaining on the ground, remove the brake line bracket mounting bolt from both driver and passenger brake line brackets (Figure 1 A/B).

Figure 1A: OE Brake Line Bracket



Figure 1B: OE Brake Line Bracket, Bolt Removed



2. Remove the ABS line from both driver and passenger side OE brake line brackets by pulling the rubber boot out of the containment slot (Figure 2 A/B).

Figure 2A: Passenger ABS Line Removal

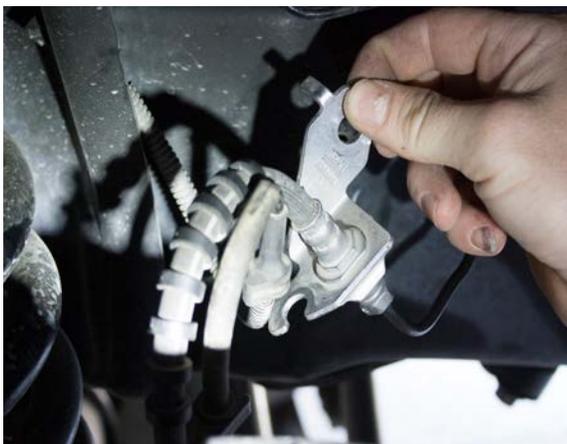


Figure 2B: Driver ABS Line Removal



3. Install the Cognito brake line brackets (Part # 8546 & 8545) to the frame by inserting the alignment tab into alignment hole and rotating the bracket mounting hole into position. Attach to the frame using the OE bolt removed in step 1, and torque to OE torque specifications (Figures 3 & 4).

Figure 3: Passenger Brake Line Bracket



Figure 4: Driver Brake Line Bracket



4. Once the brake line brackets are in place, carefully bend the OE hard lines to align the OE mounting tab with the Cognito brake line mounting holes. Do not twist the OE mounting tab when bending the lines, this will loosen the brake line fitting. Assemble using (1) 5/16"-18 x 3/4" Lg. cap screw with (1) 5/16" SAE flat washer between the bolt head and mounting bracket. Torque to 24 ft.-lbs. using (1) 5/16"-18 locknut with (1) 5/16" SAE flat washer between the locknut and mounting bracket. Repeat for opposing side brake line mounting.
5. Once the brake lines are securely mounted, insert the driver side ABS line rubber boot into the Cognito bracket containment slot (Figure 5). Use the supplied 6" black cable ties to secure the driver and passenger ABS lines in an orientation to prevent chaffing or wear (Figure 6).

Figure 5: Passenger Side ABS Line Installed



Figure 6: Driver Side ABS Line Routing



6. Once the brake lines are in place, turn the steering wheel all the way to passenger side of vehicle and check to make sure the brake lines are not interfering with springs, brackets, or tires. Repeat with the wheels turned all the way to the driver side of the vehicle.

WARRANTY / RETURN POLICY / SAFETY

Cognito Limited Lifetime Warranty

Cognito Motorsports, Inc. hereinafter “Cognito,” warrants to the original retail purchaser, that its suspension products are free from workmanship and material defects for as long as the purchaser owns the vehicle on which the product(s) were originally installed. This warranty will be void if any modifications are made to the components, including alterations to the surface finish, i.e.; painting, powder coating, plating, and/or welding, or if they are improperly installed. Cognito truck suspension products are not designed nor intended to be installed on “competition” vehicles used in race applications, stunt or for exhibition purposes that are outside of the intended operating conditions specified by the manufacturer. Racing and competition are defined as any contests between two or more vehicles; or vehicles competing individually on off road circuits in timed events (whether or not such contests are for an award or prize).

This warranty does not include coverage for police, taxi, government or commercial vehicles, and the warranty does not cover Cognito products sold outside of the USA. Cognito’s obligations under this warranty are specified and applied at its sole discretion, and warranty coverage is limited to repair or replacement of the defective product(s). Any and all costs of removal, installation or reinstallation; freight charges, incidental or consequential damages associated with the covered products are expressly excluded from this warranty.

The following items are exempt from Cognito limited warranty coverage: bushings, bump stops, tie-rod ends (Heim joints) and limiting straps. These parts are “consumables” and designed to wear as a normal part of their duty cycle, therefore they are not considered defective when worn. The aforementioned products are warranted separately against defects in workmanship, for 60 days from the date of purchase. As a condition of warranty validation, respective Cognito suspension components must be installed as a complete system (not combined with non-Cognito hardware or ancillary parts). Any substitutions or omission of required components will void the warranty. Some minor cosmetic wear and imperfections may occur to parts during shipping, which is not covered under this warranty. This limited warranty does not apply to any components that have been subjected to collision damage, negligence, alteration, abuse, or misuse, and coverage does not extend to products manufactured by third-party companies. Cognito reserves the right to supersede, discontinue, or change the design, finish, part number and/or application of its parts when deemed necessary, without notice.

Return Policy

Product returns will not be accepted without prior written approval from an authorized Cognito representative. All products being returned must be shipped via trackable, prepaid freight. Returned products are subject to a 25% percent restocking fee. The eligible return period for products purchased directly from Cognito is 30 days from the verified date when the product(s) were originally received by the purchaser.

Product Safety Advisory

The installation of Cognito steering and suspension components will modify your vehicle’s original factory equipment and geometry, which may cause it to handle differently than a stock (unaltered) vehicle. Installation of these components is not intended to strengthen nor reinforce the vehicle’s frame, nor are they designed to increase rollover protection. It is necessary to periodically inspect all suspension and drive train components for proper attachment, torque specifications, operation, and for any potential unusual wear or damage. Installation of these parts will modify the height of the vehicle and may raise the center of gravity. Modifying vehicle height combined with off road operation may increase your vehicle’s susceptibility to rollover conditions, which may cause serious injury or death. Many states regulate allowable vehicle height modifications, and it is your responsibility to know and comply with the legal requirements specified by the laws where you reside. Modifications to your vehicle’s ride height may also affect the ride quality, driver input response, trackability and handling, and wear to your vehicle’s suspension components and tires.