



Mountain Goat Series™

Spohn Performance, Inc.

494 E Lincoln Ave | Myerstown, PA 17067

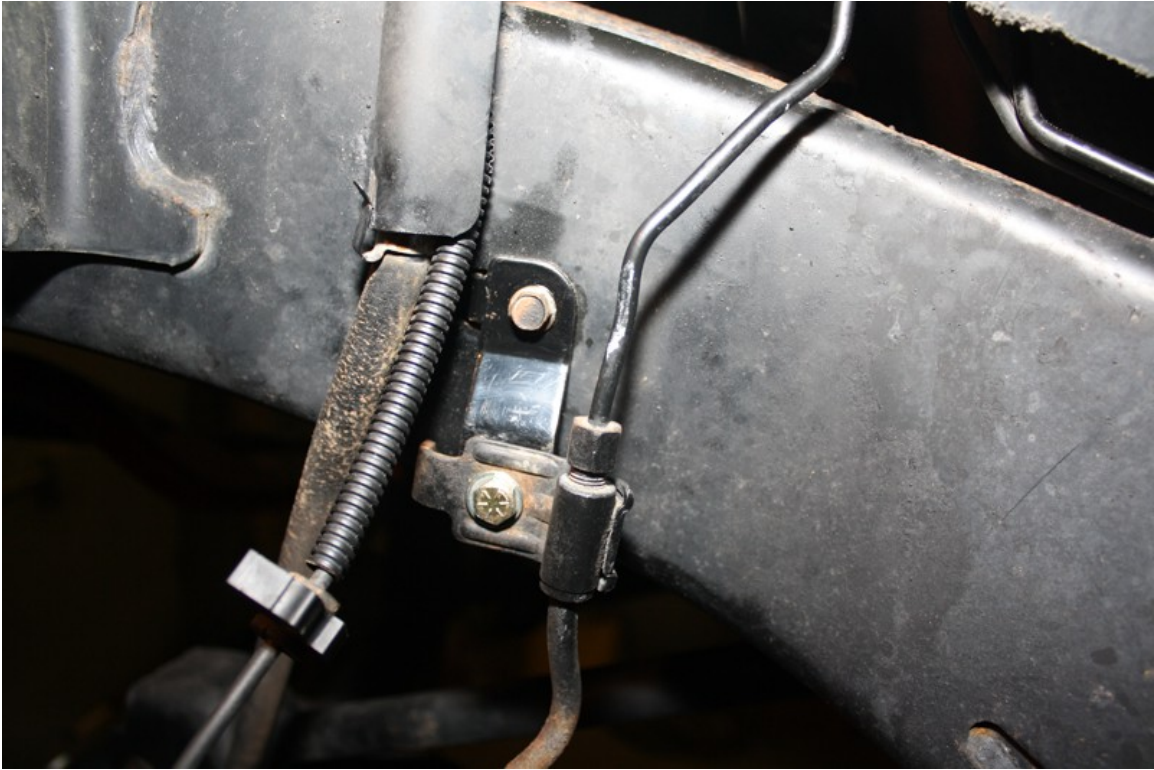
1-888-365-6064 | www.mtgoatseries.com

**Part# JK-FRBLBK1 – Front & Rear Brake Line Extension Brackets
Jeep® JK Wrangler**

FRONT INSTALLATION INSTRUCTIONS

1. Begin by jacking up the front of the vehicle and then place jack stands under the frame to safely support the vehicle.
2. Raise and evenly support the front axle housing with a hydraulic jack to relieve any tension from the mounting bolts. Simulate the normal ride height.
3. Remove both front wheels.
4. **On the driver's side:** Using a 10mm wrench remove the factory front brake line retainer clamp from the frame in the area of the top of the front wheel well. Retain the factory hardware.
5. Using the supplied 1/4" bolt with a flat washer under the bolt head install the factory brake mounting clamp to the bottom of the Mountain Goat Series™ front brake line extension bracket. On the back side install another flat washer and then a 1/4" nylock nut and install loosely using 7/16" wrenches (see Picture 1 below).
6. Pull back the plastic wheel liner and unclip the driver's side brake line as shown in Picture 2 below. The brake line bends will then need to be straightened to lengthen the brake line until the Mountain Goat Series™ front brake line extension bracket can be bolted to the factory mounting hole in the frame as shown in Picture 1 below. Be very careful when bending the front brake line that you do not crimp it shut.
7. Install the driver's side Mountain Goat Series™ front brake line extension bracket (the bent tab goes to the front, see Picture 1 below) to the frame by re-using the factory mounting hardware and fully tighten using a 10mm wrench. Then fully tighten the factory front brake line retainer clamp to the bottom of the Mountain Goat Series™ front brake line extension bracket using a 7/16" socket and wrench.
8. **On the passenger's side:** Using a 10mm wrench remove the factory front brake line retainer clamp from the frame in the area of the top of the front wheel well. Retain the factory hardware.
9. Using the supplied 1/4" bolt with a flat washer under the bolt head install the factory brake mounting clamp to the bottom of the Mountain Goat Series™ front brake line extension bracket. On the back side install another flat washer and then a 1/4" nylock nut and install loosely using 7/16" wrenches (see Picture 3 below).
10. You will need to bend (by hand) the passenger's side front brake line until you are able to mount the Mountain Goat Series™ front brake line extension bracket to the factory mounting hole in the frame (see Picture 3 below). Be very careful when bending the front brake line that you do not crimp it shut.
11. Install the passenger's side Mountain Goat Series™ front brake line extension bracket (the bent tab goes to the front, see Picture 3 below) to the frame by re-using the factory mounting hardware and fully tighten using a 10mm wrench. Then fully tighten the factory front brake line retainer clamp to the bottom of the Mountain Goat Series™ front brake line extension bracket using a 7/16" socket and wrench.
12. Re-install both front wheels and then safely lower the vehicle to the ground.
Installation is complete.

Picture 1 - Driver's Side Front Brake Line Extension Bracket Shown Installed



Picture 2 – Driver's Side Brake Line



Picture 3 - Passenger's Side Front Brake Line Extension Bracket Shown Installed



REAR INSTALLATION INSTRUCTIONS

1. Begin by jacking up the rear of the vehicle and then place jack stands under the frame to safely support the vehicle.
2. Raise and evenly support the rear end housing with a hydraulic jack to relieve any tension from the mounting bolts. Simulate the normal ride height.
3. Remove both rear wheels.
4. On the driver's side: Using a 10mm wrench remove the factory rear brake line retainer clamp from the frame in the area of the top of the rear wheel well. Retain the factory hardware.
5. Install the driver's side Mountain Goat Series™ rear brake line extension bracket (angles to the rear, see Picture 1 below) to the frame by re-using the factory mounting hardware and fully tighten using a 10mm wrench.
6. You will need to bend (by hand) the rear brake line until you are able to mount the factory rear brake line clamp in the bottom hole on the Mountain Goat Series™ rear brake line extension bracket. Make sure you have proper clearance with the rear sway bar as well and bend/tweak the rear brake line in this area so it does not interfere with the rear sway bar. Be sure to check the passenger's side rear brake line to rear sway bar clearance at full suspension droop as that will be the area with the closest clearance (see Picture 2 below). Be very careful when bending the rear brake lines that you do not crimp them shut.
7. Using the supplied 1/4" bolt with a flat washer under the bolt head install the factory brake mounting clamp to the bottom of the Mountain Goat Series™ rear brake line extension bracket. On the back side install another flat washer and then a 1/4" nylock nut and fully tighten using 7/16" wrenches.
8. Repeat Steps 4-7 on the passenger's side.
9. Re-install both wheels and then safely lower the vehicle to the ground. Installation is complete.

Picture 1 - Driver's Side Rear Brake Line Extension Bracket Shown Installed



Picture 2 - Passenger's Side Rear Sway Bar To Rear Brake Line Clearance Shown

Shown At Full Droop – Suspension Hanging





Mountain Goat Series™

Spohn Performance, Inc.
494 E Lincoln Ave | Myerstown, PA 17067
1-888-365-6064 | www.mtgoatseries.com

Product Information

MAINTENANCE INFORMATION: It is the buyer's responsibility to have all suspension, drivetrain, steering and other aftermarket components checked for proper tightness and torque after the first 100 miles and every 3,000 miles thereafter.

DISCLAIMER: Neither the seller nor the manufacturer will be liable for any loss, damage or injury directly or indirectly arising from the use of or inability to determine the use of these products. Before using, the user shall determine the suitability of the products for its intended use, and the user shall assume all responsibility and risk in connection therewith.

WARNING TO DRIVER: This vehicle has been modified to enhance off-road performance and has unique handling characteristics. Use in harsh environments can cause extreme stress on the components. The vehicle should be inspected after being off-road to make sure that all of the components are in working order and safe to travel on the highway. All fasteners should be checked so that they are at the correct torque specifications as the vibration and stresses from off-road use may cause critical fasteners to work loose. Extra care should be taken to inspect the critical components, suspension, steering and brake systems. During each oil change components such as control arms, track bars, tie rod ends, etc. should be greased and checked for excessive wear. Any worn components should be replaced. When returning to the pavement always set or restore tire air pressure to the factory recommendation and connect or engage any disabled sway bar mechanisms. Because of the higher center of gravity and larger tires, this vehicle handles and reacts differently than many passenger cars, both on and off-road. You must drive it safely! Extreme care should be taken to prevent vehicle rollover or loss of control, which can result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers. Generally, braking performance and capabilities are decreased when significantly larger/heavier tires are used, especially when used in combination with transfer case low-range reduction kits. Take this into consideration while driving. Do not add, alter or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the product purchased. Mixing component brands is not recommended. Spohn Performance, Inc. (Mountain Goat Series™) will not be responsible for any altered product or any improper installation or use of our products. We will be happy to answer any questions concerning the design, function and correct use of our products. It is ultimately the buyer's responsibility to have all bolts and nuts checked for tightness after the first 100 miles and then every 3,000 miles. Wheel alignment, steering system, suspension and drive line systems must be inspected by a qualified professional mechanic at least every 3,000 miles.