



JT Rear Brake Line Kit Part Number 10053

How to install the 10053 Rear Brake Line Kit on a Jeep Gladiator JT.

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INTRODUCTION

This guide will walk through the correct installation procedure for the Grimm OffRoad JT Rear Brake Line Kit.

Consumer Warning

All Grimm OffRoad products must be installed by a competent and qualified individual in accordance with the installation instructions intended for the product. Incorrectly installed products will void any warranties and may result in damage to the product or damage to the vehicle it was installed on. Read any provided instructions or guides and watch any available videos before attempting installation. If there are any questions, please contact Grimm OffRoad before starting installation.

Many products require the vehicle be properly raised and supported off the ground. The installer is responsible for confirming that this may be done in a safe manner and the correct equipment is available to perform the installation. Grimm OffRoad installation instructions assume the installer is able to properly and safely lift the vehicle.

Vehicles that have been modified will not perform the same as a stock vehicle. It is incumbent upon the owner of the vehicle to be aware of the differences the modifications will make to the driving characteristics of the vehicle. These may include (but are not limited to): changes in handling, braking, rollover angle, incompatibilities with the factory anti-lock braking systems, stability control systems, or traction control systems.



TOOLS:

- [Jack \(Recommended\)](#) (1)
- [Jack Stand \(Recommended\)](#) (4)
- [Torque Wrench](#) (1)
- [10mm Socket/Wrench](#) (1)
- [12mm Flare Nut Wrench](#) (1)
- [16mm Open End Wrench](#) (1)
- [15mm Socket/Wrench](#) (1)
- [19mm Wrench](#) (1)
- [Screw Driver \(Flat Head\)](#) (1)
- [Hammer](#) (1)
- [Punch](#) (1)
- [Dyke Cutters](#) (1)
- [DOT Brake Fluid](#) (1)
- [Shop Towels](#) (1)
- [Zip Tie](#) (10)





PARTS:

- [Rear Brake Line](#) (2)
- [Copper Washer](#) (4)



Step 1 — Included Parts



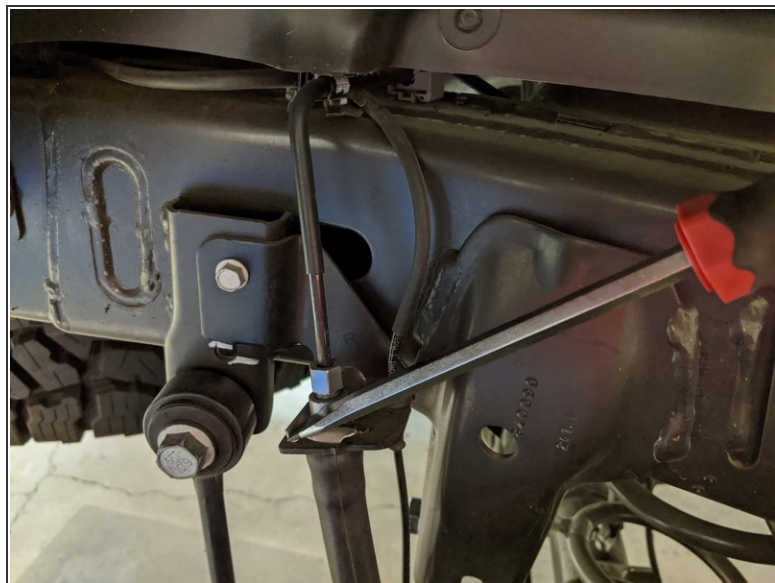
-  Verify that all parts shown in the picture are present.
-  The brake lines are not side specific, so either brake line can be used on either side.

Step 2 — How To Install



-  These brake lines are best to install with the suspension fully extended on a vehicle lift or on jack stands. This way you can route and secure the brake lines and wheel speed sensors in a manner that prevents them from being over-extended.
-  It is advised to read the instructions thoroughly before beginning. Brake fluid will begin leaking when the stock brake lines are removed so it is best to work quickly to get the new brake lines installed.

Step 3 — Disconnect Wiring & Brake Line



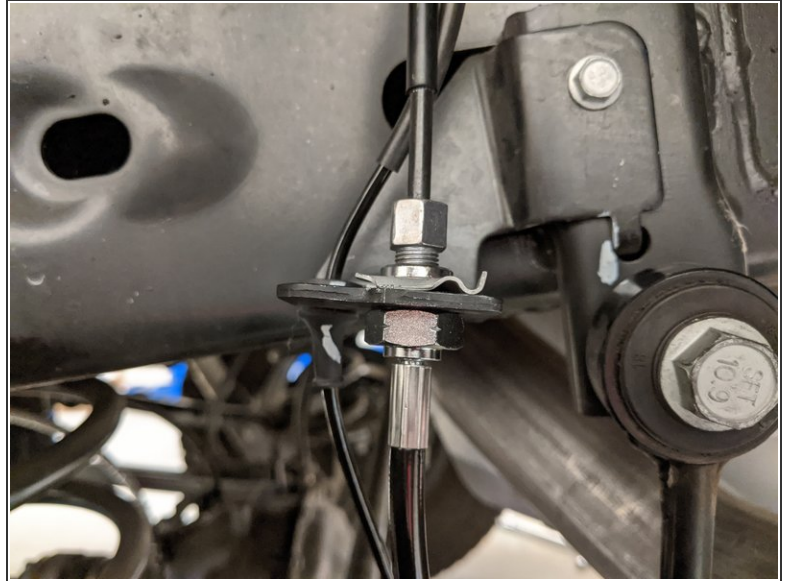
- Unclip the wheel sensor wire from the brake line first.
- Pop the brake line securing clip off the frame side bracket with a flat head screw driver or punch and a small hammer.

Step 4 — Remove and Replace Caliper Side Fitting



- We recommend pinching off the factory brake hose close to the caliper with a pair of hose pinch off pliers. If these are not available, a pair of needle nose Vice Grip pliers, or a pair of conventional needle nose pliers with a zip tie around the handles can work.
- ⓘ Be prepared to catch and clean up brake fluid.
- Use a 15mm wrench/socket to remove the brake line bolt at the caliper.
- Replace the brake line with the new Grimm OffRoad brake line using two new copper washers, one on each side of the banjo fitting, at the caliper bolt.
- ⓘ Make sure the banjo fitting is oriented correctly to make use of the built in stops on the caliper for tightening the banjo fitting. The driver side brake line should be exiting towards the back of the vehicle and the passenger side brake line should be exiting towards the front of the vehicle.
- Torque the caliper side bolt with a 15mm socket to 26 lb-ft [35 Nm]

Step 5 — Install New Brake Line at Frame



- Loosen the frame-side hard line fitting with a 12mm flare nut wrench and a 16mm open end wrench. Remove the factory brake line.
- ⓘ Be prepared to catch and clean up brake fluid.
- Insert new Grimm OffRoad brake line through the frame side bracket like the factory line. Thread the hard line nut into the Grimm OffRoad brake line. Often the first threads on the hard line nut are slightly deformed and care must be used to make sure the threads are started correctly and not cross threaded.
- Fully tighten the connection using a 12mm flare wrench and a 19mm open end wrench. The flared fitting has seated when the Grimm OffRoad swivel fitting no longer swivels.
- Re-install the clip to secure the brake line in the frame side bracket.

Step 6 — Completing Installation



- The wheel speed sensor wire can be unclipped from the axle side bracket to give it more slack.
- Zip tie the wheel speed sensor wire to the new brake line.
- Repeat for the other side.
- Bleed the brakes according to the Factory Service Manual.

Installation is complete!

With any modified vehicle, or any vehicle used offroad, it is a good idea to check bolt torques periodically and visually inspect components regularly.