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Part#: 103001

**Front Extended Brake Lines**

2005 Ford Super Duty 8" Brake lines

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## READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.

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**SAFETY WARNING** BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known.

### INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety. Note: This installation can be done with or without the front wheels installed. Access to the brake lines is better with the wheel removed but it is not necessary.

Note: Perform this installation on one side of the vehicle at a time.

2. Disconnect the front rubber brake line from the hard line at the frame. Disconnect the rubber line from the frame mount.
3. Disconnect the rubber brake line from the caliper by remove the banjo bolt. Retain bolt and discard original crush washers.
4. Install a new crush washer on the OE banjo bolt and install the bolt in the end of the new stainless steel brake line followed by a second crush washer. Attach the entire assembly to the caliper and torque the bolt to 20 ft-lbs. (Figure 1)
5. Route brakeline through OE brakeline hanger. Attach to axle with OE hardware. (Figure 2)

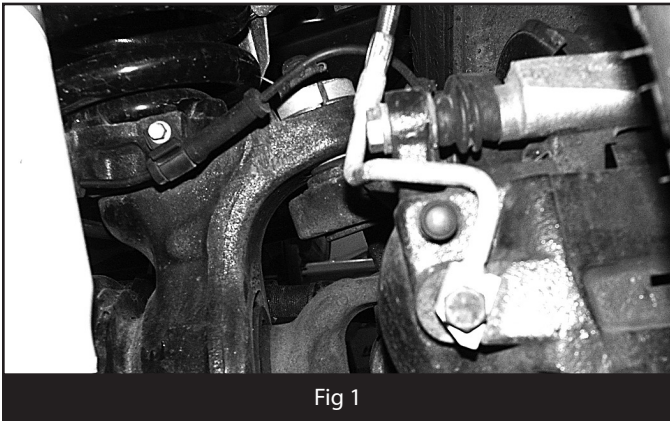


Fig 1

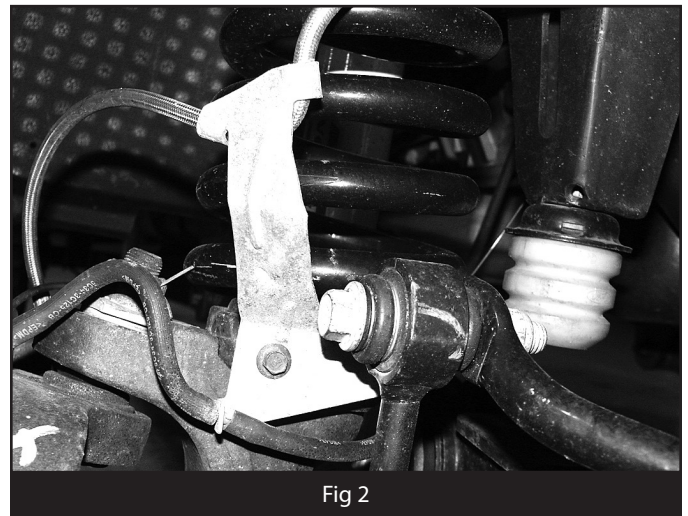


Fig 2

6. Remove old brake hanger (where flex line meets hard line), and install new brakeline bracket with OE hardware. Note: Z-shaped bracket (02029) goes on the passenger's side, L-shaped bracket (02028) goes on drivers side. (Figure 3-4)

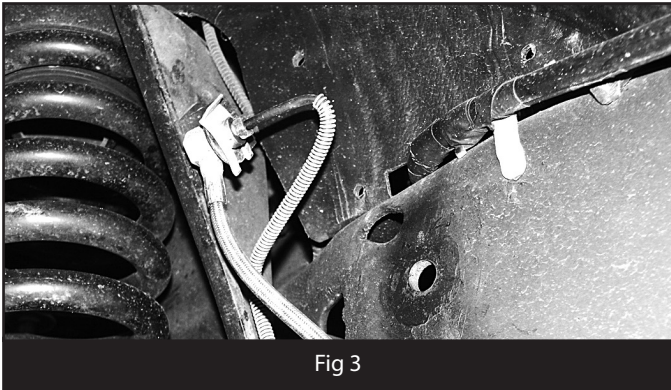


Fig 3

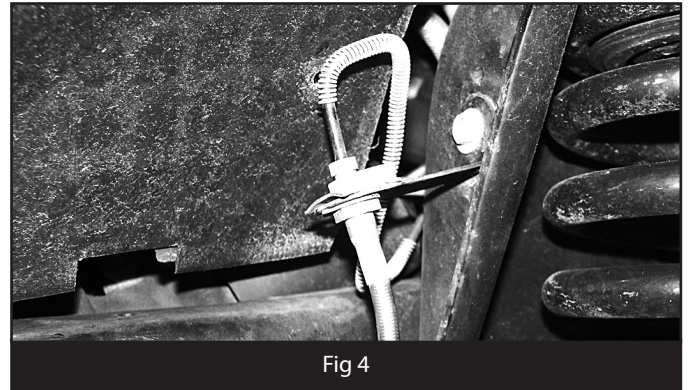


Fig 4

7. Route the new line up to new bracket so that it will not rub against any heated or rotating objects. Run the fitting of the brake line in the new bracket and attach to the hard line. Tighten securely.
8. Retain the new line to the bracket with the provided retaining clip.
9. Repeat on other side of the vehicle.
10. Completely bleed the brake system starting with the brake furthest away from the master cylinder. Check the brake fluid level. Inspect for leaks.
11. Cycle steering and check for proper clearances and no interference.