



BAER® Your Complete Performance Brake Supplier!



Installation Instructions

Product: Ext+ Front

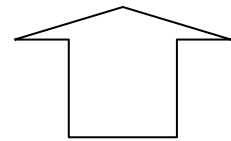
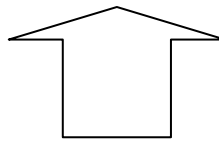
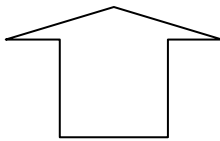
Instruction Part Number: 6000037

Vehicle

Revision Date: 26 December 2013

Make: Ford / Lincoln
Model: F150 / Expedition / Navigator 4WD / 2WD
Year(s): 97-03

ATTENTION: Read this before going any farther! Returns will not be accepted for ANY installed PART or ASSEMBLY. Use great care to prevent cosmetic damage when performing wheel fit check. In the event that a product must be returned, please contact Baer Customer Service for a RMA Number.



Notices – Read and Follow BEFORE ATTEMPTING INSTALLATION

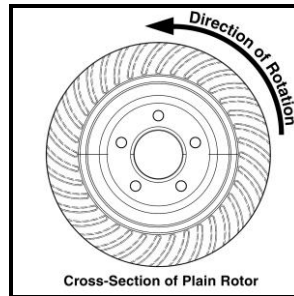
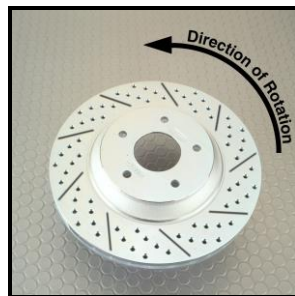
- All installations require proper safety procedures and protective eyewear.
- All installations assume basic mechanical skill and a factory service manual for the vehicle on which the installation is to be performed.
- All references to the “left” side of the vehicle correlate to the driver’s side of the vehicle.
- Any installation requiring you to remove a wheel or gain access under the vehicle requires use of jack stands appropriate to the weight of the vehicle. In all cases, jack stands rated for a minimum of 2-tons is recommended.
- A selection of hand tools sufficient to engage in the installation of these products is assumed, and is the responsibility of the installer to have in his/her possession prior to beginning this installation. All installations, which require removal of hydraulic hoses and/or bleeding of the brakes, require appropriate fitting/line wrenches, safety catch can, and protective eyewear. Other than these items, if unique or special tools are required they will be stated appropriately in the installation step.
- ALWAYS CONFIRM WHEEL FIT PRIOR TO BEGINNING INSTALLATION OF ANY BRAKE SYSTEM OR “UPSIZED” ROTOR UPGRADE! In addition to checking wheel fitment (available online at www.baer.com), always place the actual corner assembly or a combination of the caliper assembly onto the rotor, and into the actual wheel. This procedure will reconfirm proper clearance between the caliper and the wheel before proceeding with the actual installation.
- Returns will **not** be accepted for systems that have been partially or completely installed. Use extreme care when checking wheel fitment to prevent any cosmetic damage.

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- When installing new Baer rotors, be sure to follow the direction of rotation indicated on the rotor hat area with either an arrow, or an "L" for left, or an "R" for right, or both. "L" or left always indicates the driver's side of US spec vehicles. Images shown are "L" left rotors:



- A proper professional wheel alignment is required for any system requiring replacement of the front spindles, or tie rod ends. Follow factory prescribed procedures and specifications unless otherwise indicated.
- At any point, stop the installation if anything is unclear, or the parts require force to install. Consult directly with Baer Technical Staff in such instances to confirm details. Please have these instructions, as well as the part number of the component (part numbers are machined into the brackets) that is proving difficult to install, as well as the make, model, and year (date of vehicle production is preferred) of your vehicle available when you call. Baer's Technical Staff is available from 8:30a.m. - 5:00p.m. Mountain Standard Time (Arizona does not observe Daylight Savings Time) by phone: (602)-233-1411 Monday through Friday.

INSTALLATION:

1. Disconnect and cap the brake hose from the caliper. Discard the copper washers as new washers are provided with your system and are a "one time use only" item.
2. Remove OE caliper and rotor. Thoroughly clean hub surface (or spindle pin on 2WD) and caliper mounting surface to ensure proper seating of the new rotor and intermediate bracket.
3. Check Baer intermediate bracket fit on spindle. On some spindles, casting flash may interfere with proper alignment of the bracket. This may be removed with a grinder or file. Remove enough material to allow 0.050" clearance. Clear away debris after grinding.
4. Mount the new intermediate bracket to the **outboard** side of the spindle using your original caliper bolts. **4WD Models Only: Use 0.025" shims between the bracket and spindle!** Torque the bolts to 110 ft-lbs.
5. Install the correct spacers on each radial mount stud located on the intermediate bracket. See, Table 1 to determine what spacers will be required for your system:

Rotor Diameter (in.)	Spacer thickness (in.)
14	0.350
15	0.850

Table 1: Required spacers for various rotor diameters

2WD Models Only:

Install the new Baer hub following Ford factory rotor hub bearing installation procedures. The bearings are new and pre-packed with synthetic grease. Use your OE washer and castle nut with the new cotter pin provided. Also, use your OE dust cap.

6. Install the correct side rotor using three lug nuts and washers to prevent scratching the hat.
7. With pads in place, install the new caliper and secure with the supplied caliper washers and 12 point nuts. Torque each nut to 75 ft-lbs.
8. Install new copper washers on the original hose banjo fitting and attach to the adaptor already installed on your new caliper. ****IMPORTANT: Position the hose to avoid interference with the wheel and suspension components through the entire range of motion.** Tighten fitting and banjo bolt to 15-20 ft-lbs.
9. Repeat these steps for the other side and recheck all attachment points and fittings.

Refer to Bleeding and Pad Bedding & Rotor Seasoning Procedures contained on a separate sheet, or on www.baer.com

For service components and replacement parts contact your Baer Brake Systems Tech Representative.