



BAER® Your Complete Performance Brake Supplier!



Installation Instructions

Product: Extreme Plus / Pro Plus w/ no park brake

Instruction Part Number: 6000341

Rev Date: 09/18/09

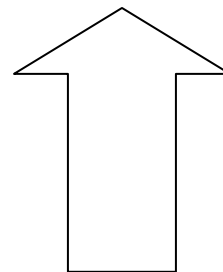
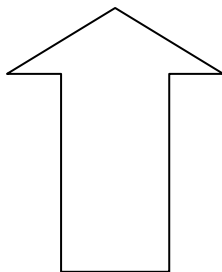
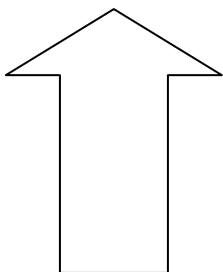
Vehicle

Make: General Fit for 9" rear axle

Model: All

Year(s): All

***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.***



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 LEFT side of vehicle always refer 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 Baer recommends jack stands rated for at least 2-tons.
- 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, as well as a safety catch can and protective eyewear. Other than these items, if unique or special tools are required they are listed in the section for that step.
- ALWAYS CONFIRM WHEEL FIT PRIOR TO BEGINNING INSTALLATION OF ANY BRAKE SYSTEM OR "UPSIZED" ROTOR UPGRADE! In addition to already having checked fit using the Baer Brake Fit Templates available online at www.baer.com, always place the actual corner assembly or a combination of the caliper assembly fit onto the rotor into the actual wheel to reconfirm proper clearance is available 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 performing wheel fit check to prevent cosmetic damage.**

Baer, Incorporated
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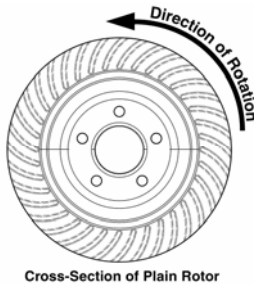
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- When installing rotors on any Baer Products be sure to follow the direction of rotation indicated on



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 all times 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 machined on the component 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 Tech Staff is available from 8:30-am to 5-pm Mountain Standard Time (Arizona does not observe Daylight Savings Time) at 602 233-1411 Monday through Friday.

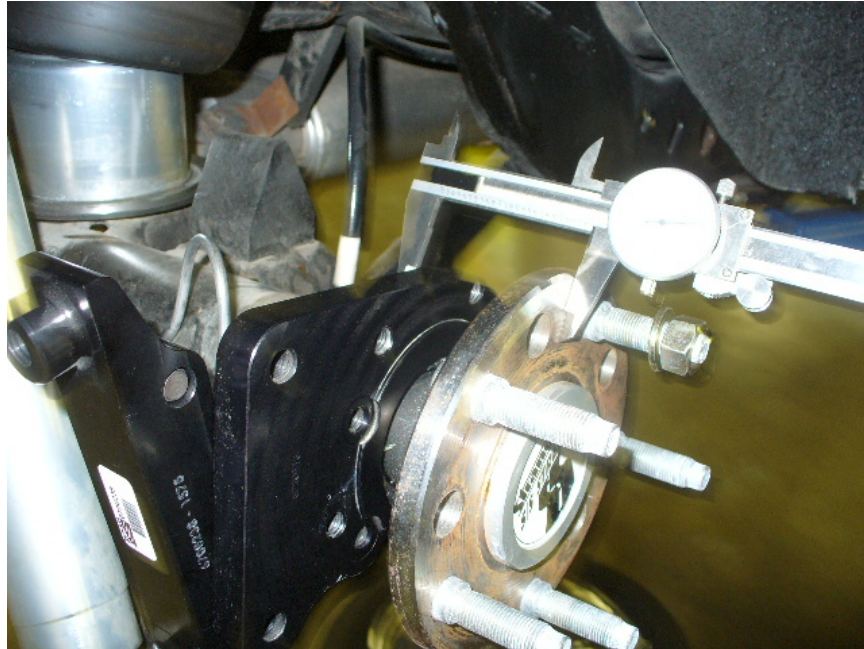
Determine which caliper location will be best for your application. The caliper can be mounted only one position in front or behind the axle centerline. This this bracket also will be your bearing retainer. If your axles have a retainer in place, this must be removed.

Install the bracket/bearing retainer using the supplied allen bolts, (Torino or Standard bearing: 3/8" x 3/4", torque to 45 ft-lbs) (Big bearing: 1/2" x 3/4", torque to 85).

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Note: Due to production tolerances, most often with early production 9" housings, the mounting holes on the axle tube for this bracket may not line up perfectly. This is due to using a t-bolt and lock nut with larger holes on the OE brake backing plate. The bracket supplied by Baer is machined to the correct dimensions specified by the manufacturers. If the bolts do not line up correctly, drill the holes on your housing out to the next larger drill size to gain alignment.

With the bracket in place, measure from the inside of this bracket to the outside of the axle flange as shown in the photo below! This is your "Standoff" measurement.



Measure Standoff

With the standoff measurement, find your range in the table below and select the shims indicated.

Standoff Range	Total Shim Requirement	Shim 1	Shim 2	Shim 3	Shim 4
2.600-2.585	0	---	---	---	---
2.585-2.555	0.030	+0.030	---	---	---
2.555-2.525	0.060	+0.060	---	---	---
2.525-2.485	0.100	+0.100	---	---	---
2.485-2.455	0.130	+0.100	+0.030	---	---
2.455-2.420	0.160	+0.100	+0.060	---	---
2.420-2.385	0.200	+0.100	+0.100	---	---
2.385-2.355	0.230	+0.100	+0.100	+0.030	---
2.355-2.325	0.260	+0.100	+0.100	+0.060	---
2.325-2.295	0.290	+0.100	+0.100	+0.060	+0.030
2.295-2.265	0.320	+0.100	+0.100	+0.060	+0.060
2.265-2.235	0.350	Use	All	Shims	

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These shims will be placed between the bracket/bearing retainer and the radial mount bracket. See the photo below for reference. The radial mount bracket will be bolted to the inside of the bearing retainer, with the part number facing outward. Place the shims, then tighten the bolts with no red Vibra-Tite coating snugly to allow measuring for caliper centering.



Shim Placement

Extreme Plus:

Be sure to have the proper spacers for your rotor diameter installed:

- 13.5" rotor-no spacer
- 14" rotor-0.250" spacer
- 15" rotor-0.750" spacer

Pro Plus and Extreme Plus:

Install the correct side rotor and secure with 2 lug nuts and washers to prevent scratching rotor hat.

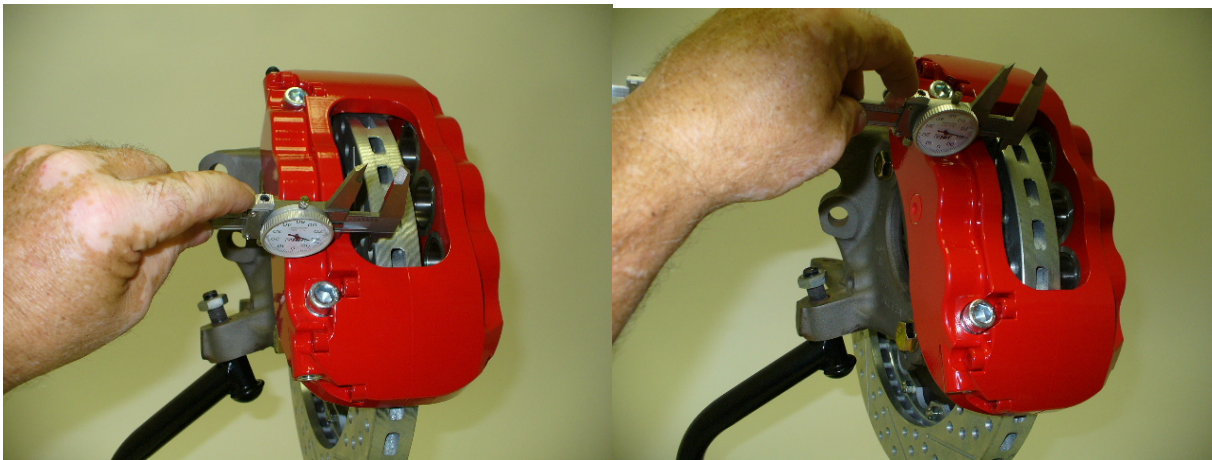
With pads removed, install correct caliper (bleeder screw points up), washers and retaining nuts or allen bolts. Snug these bolts for measuring caliper alignment.

Measure the gap from the rotor to caliper body at 4 points, top inside and outside, bottom inside and outside. See the photo on the next page for reference. Write down all measurements. Subtract the top inside measurement from top outside. This will require a shim at the top bracket bolt equal to half of this difference to center the caliper. For instance, inside measurement of .865", outside of .905" has a difference of .040 which would require a .020" shim installed to center. Do the same with the bottom measurements to center this also. Getting these gaps as close as possible, within .005", will keep the possibility of excessive noise to a minimum. This may require different thickness shims top and bottom.

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Pro Plus caliper installed without pads.



Measure top and bottom, inboard and outboard.

Select the desired shims from the kit provided. Remove the caliper. Loosen the bolts from the intermediate bracket. Install the appropriate shims, removing one bolt at a time, and snug the same bolts for fit check.

Reinstall the caliper and recheck gap measurements. Re-shim if necessary. When proper shimming has been achieved, remove caliper. Take the bolts from the intermediate bracket one at a time keeping the shims in place and replace with the 12mm bolts with red Vibra-tite coating. Torque to 85 ft-lbs.

If you do not have access to a dial caliper, these measurements can be made with pads installed using a feeler gauge between the rotor and pad. Take measurements from top inside and outside, then bottom inside and outside. Minimum clearance is .010" between pad and rotor, but equal gaps at all four locations is best. Follow the same procedure for shimming to center the caliper.

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Install pads in caliper and re-install over rotor. Replace washer and caliper retaining nuts and torque to 85 ft-lbs.

Install the Rear Hardline Retainer kit following the instructions included in the package.

Install the steel braid hose with one copper washer on each side of the banjo fitting as in the photo below. Finger tighten the banjo bolt. Connect the hose to the hardline and install the hose lock. 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.

Repeat this procedure for opposite side.

Follow bleeding instructions provided on separate sheet to complete installation.

For information on service parts, contact your Baer Brake Systems representative at 602-233-1411 from 8:30 to 5:00 MST, weekdays.