

# BAER

## BRAKE SYSTEMS



### Installation Manual

**Part Number: 6000383**

**Product: Pro+ 14" Front**

**Vehicle Make: GM**

**Model: Trailblazer / SSR**

**Revised: 7/24/19**

**Years: All**

#### **READ THIS BEFORE STARTING**

Returns will not be accepted for ANY installed PART or ASSEMBLY.  
Use great care in preventing cosmetic damage when performing  
wheel fit check.

The recipient indemnifies Baer Inc. for all liabilities or losses  
incurred in connection with the recipient modifying or alter-  
ing Baer Inc. product during installation.

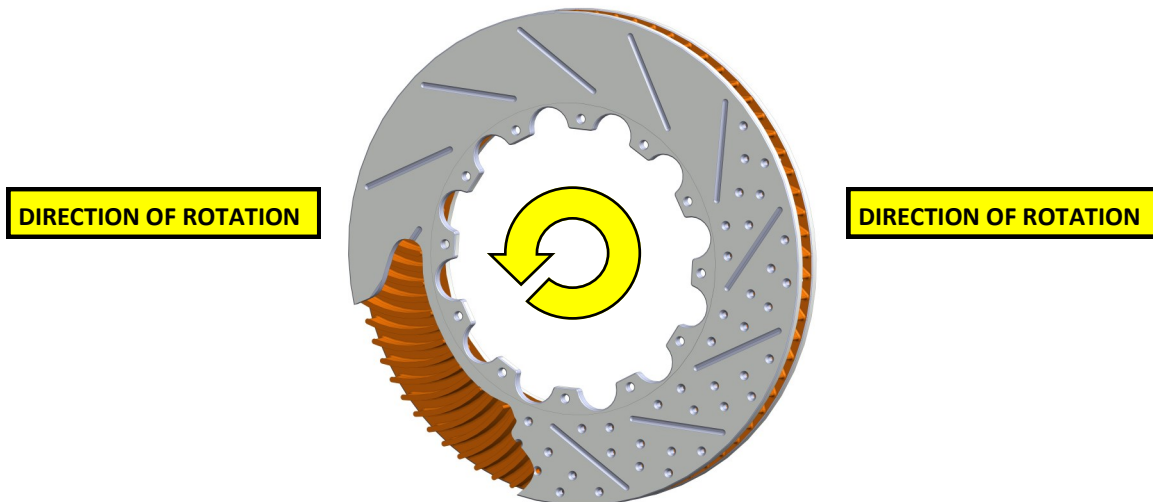


#### **Read and Follow BEFORE ATTEMPTING INSTALLATION**

- ♦ **All installations require proper safety procedures and protective eyewear.**
- ♦ **All installations should be performed by qualified personnel using 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 recommended ratings for jack stands should be 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.**
- ♦ **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.**



- ◆ ALWAYS PERFORM A COMPATABILITY TEST PRIOR TO BEGINNING THE 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](http://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 confirm proper clearance is available between the caliper and the wheel before proceeding with the actual installation.



- ◆ 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 U.S. spec vehicles. Image above is of a “L” left rotor. NOTE: Slots and drill patterns sweep forward and internal vanes sweep rearward.
- ◆ A professional wheel alignment is mandatory following the installation of any system requiring replacement of the front spindles, or tie rod ends. Return the vehicle to factory specifications unless otherwise indicated.
- ◆ Stop the installation if something seems 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.



### **IMPORTANT INSTALLATION NOTE:**

These systems are designed around the Original Equipment spindles with all hardware in place, including the debris shield. If aftermarket spindles are used it is imperative to keep the debris shield in place between the spindle and hub as this affects the caliper centering over the rotor. Modifications may be needed to aftermarket spindles and or alternate hardware for installation of a Baer Brake System. Call Baer for assistance.

1. Disconnect the fluid hose from the caliper and remove the copper crush washers from the banjo bolt. These are a one time use item, new copper crush washers are provided. To prevent fluid from dripping during installation, a smooth jawed hose crimper can be used to stop the fluid flow. Do not use vise grip pliers as these can damage the hose. **See Figure 1.**



**Figure 1**

2. Remove the bolts securing the caliper to the spindle (18mm socket or wrench) and slide the caliper off of the rotor. Save the bolts as these will be reused.
3. Remove the rotor from the hub. Clean the hub face, the hub rotor register and the caliper mounting surfaces to ensure the new Baer components will seat properly. **See Figure 2 - Yellow Arrows**



4. **The factory debris shield must be trimmed to avoid contact with the new caliper and rotor.** The modified debris shield must remain in place to allow the caliper to center over the rotor properly. Arrows indicate area to be trimmed. **See Figure 2 - White Arrows**

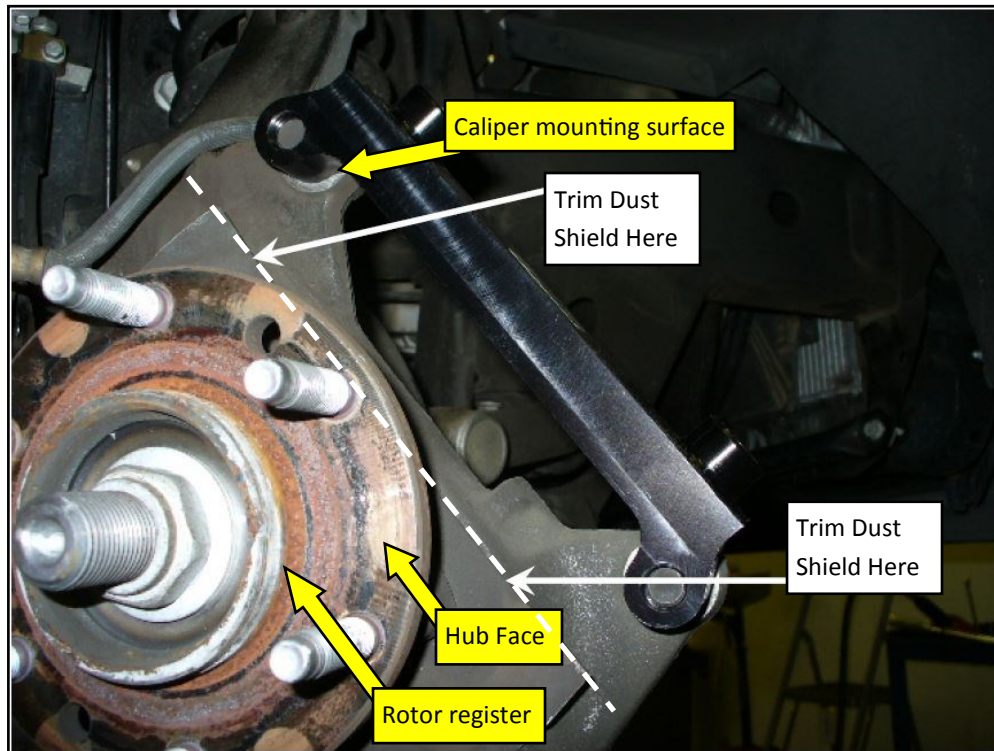


Figure 2

5. Remove the intermediate bracket from the new Baer caliper (installed for ease of shipping). Using the factory caliper bolts, install the new bracket to the outboard side of the spindle as shown in **Figure 2**. The engraved part number will face outwards. Torque the bolts to 110 ft lbs.

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

7. With the pads installed, place the correct side caliper (bleeder pointing up) and secure with the supplied 12mm socket head bolts. Check for any clearance issues between the caliper body and the rotor. If all is good, use a 10mm allen socket and torque the bolts to 85ft lbs.

8. Using the new banjo bolts and crush washers, attach the original hose to the Baer caliper. Position the hose to prevent interference with the wheel, tire and all other suspension components. Once verified, torque the banjo bolt to 15ft lbs.



9. Repeat these steps for the other side of the vehicle and recheck all attachment points and fittings.
10. Refer to the Bleeding and Rotor Seasoning/Pad Bedding procedures contained on a separate sheet, or on [www.baer.com](http://www.baer.com).
11. For service components and replacement parts contact your Baer Brake Systems Tech Representative.



Right front complete!

Refer to Bleeding and Rotor Seasoning procedures outlined on a separate sheet.

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

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