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### Installation Instructions

Product: SS4+ Front Disc Spindle

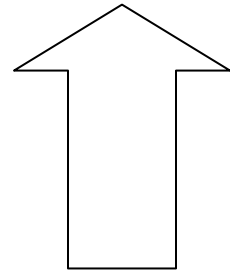
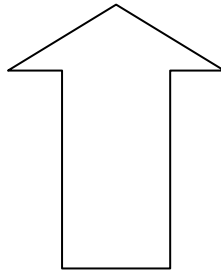
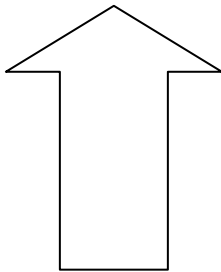
Instruction Part Number: 6000417

### Vehicle

Revision Date: 28 June 2012

Make: Ford  
Model: Mustang  
Year(s): 05+

**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.**



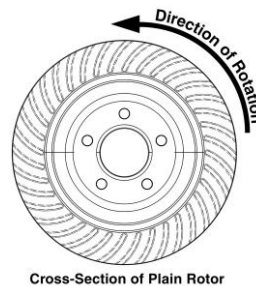
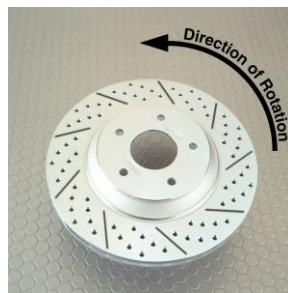
### Notices – Read and Follow BEFORE ATTEMPTING INSTALLATION

- 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](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 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.**

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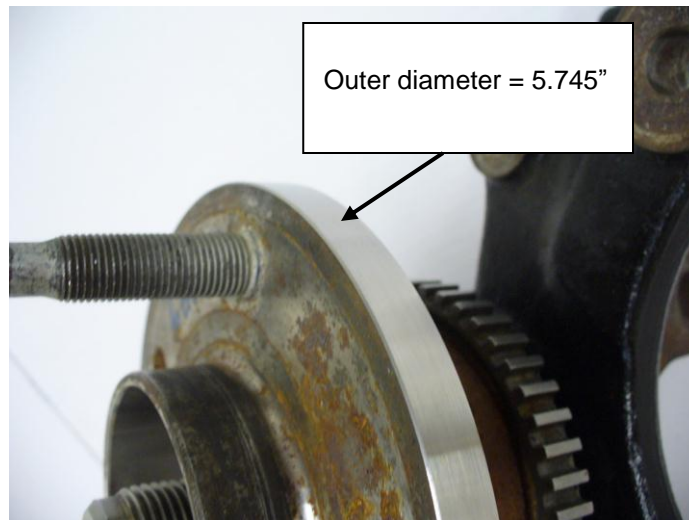
- When installing rotors on any Baer Products be sure to follow the direction of rotation indicated on the rotor hat area with either an arrow, or an "L" for left, or an "R" for right, or both. "L" or, left always indicates the driver's side of US spec vehicles. Images shown are "L" left rotors:



- 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.

## INSTALLATION:

1. Separate the fluid hose from the hardline using a line wrench to avoid damage to the nut. Cap the hardline with the supplied vinyl cap. Remove the hose lock and separate the hose from the frame bracket.
2. Remove the bolts from the caliper and slide the caliper with the hose attached, off the rotor.
3. Remove the rotor from the spindle and thoroughly clean the hub and caliper mount holes. Next, remove the debris shield as this reduces air flow to the brakes and prevents cooling.  
**Installation Note:** The outer diameter of the hub must be 5.745" or smaller for any SS4 direct bolt-on system so that the new Baer rotor can fit smoothly on it. If this is not the case then the hub will need to be removed and the outer diameter machined to 5.745".



4. If needed, reinstall the hub back onto the spindle, ensuring that the spindle is clean and free from any damage. Carefully slide the correct side rotor on the hub and secure it with one lug nut and one washer. This will prevent scratching of the rotor hat.
5. Install the correct side caliper to the spindle with two 12mm X 30mm VT bolts and two 7/16" washers. Torque to 83 ft·lbs. See photo below:

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\*\* Note: All or most S4 Calipers are made with dual bleeders for orientation depending on the setup.

6. Finger tighten the banjo bolt. Connect the hose to the hardline and install the hose lock.  
**\*\*\* IMPORTANT: Position the hose to avoid interference with the wheel and suspension components.** Tighten fitting and banjo bolt to 15-20 ft-lbs.
7. Repeat these steps for the other side and recheck all attachment points and fittings.

Refer to Bleeding and Rotor Seasoning procedures contained on a separate sheet or on our website, [www.baer.com](http://www.baer.com).

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