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Installation Instructions

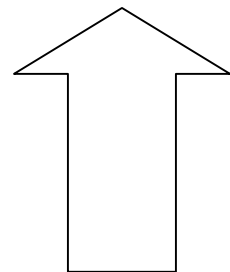
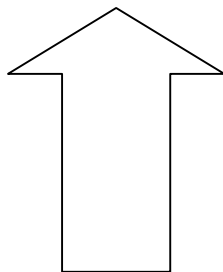
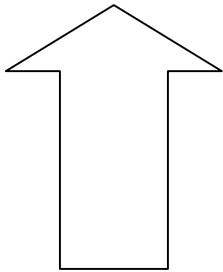
Product: Rear Iron Sport

Instruction Part Number: 6000144

Vehicle

Make: Chrysler
Model: Dana / 8 3/4
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.**



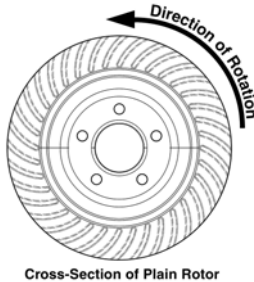
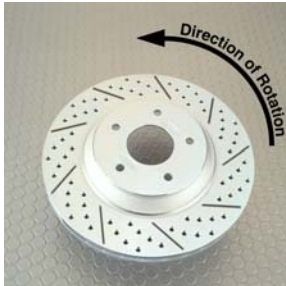
Notices – Read and Follow BEFORE ATTEMPTING INSTALLATION

- 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.**

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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.

With a **3/8" line wrench** remove the fluid line from the wheel cylinder and cap with supplied vinyl cap.

Remove the drum from the axle. If the drum is tight on the axle, a firm blow with a large hammer will dislodge the minor corrosion between the drum and axle.

Unbolt and remove the axle retaining bolts and remove axle. This is a good time to check condition of bearings and seals. Replace if necessary.

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Disconnect the park cables from the body, leaving them attached to the backing plates. Remove backing plate & shoe assembly complete, no disassembly required.

Thoroughly clean all mounting surfaces to insure proper seating of Baer components.

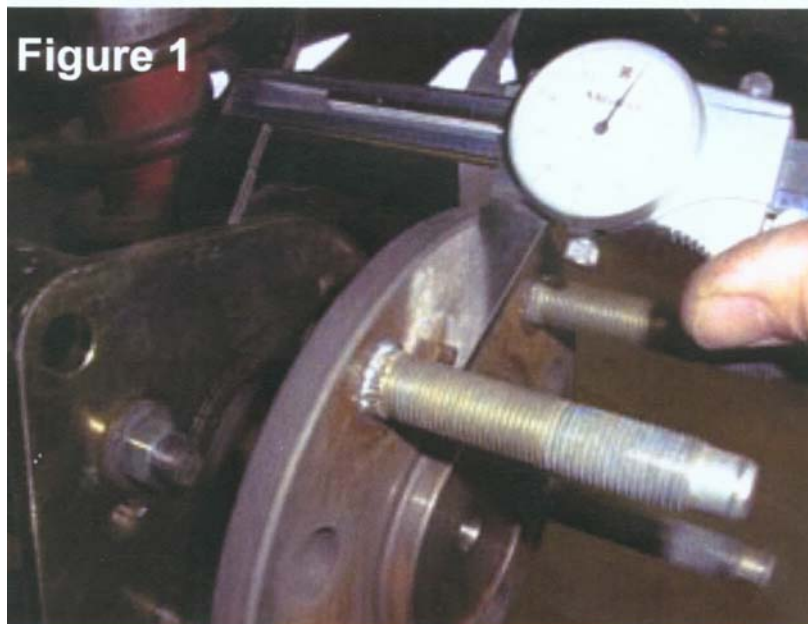
Install the caliper bracket (left side shown- part # 671---- is left 672---- is right) mounting the caliper at the 2 o'clock position, the right side will be at 10 o'clock. The scalloped side of the bracket will face outboard.



Shown with Sport bracket, Iron sport slightly different.

The bracket is built to accommodate several different positions for the caliper. Check for clearance with sway bars, shocks and other non-factory suspension components.

Install the axle and torque nuts to 35 ft-lbs.



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Measure axle standoff (refer to figure one, previous page) to obtain shim requirement for your axle housing. The shim stack (combination of shims 1 thru 4) will be required between the caliper anchor and the Baer caliper bracket for proper caliper centering.

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	

Install the correct side rotor and secure with one lug nut and washer to avoid scarring the hat.

Install the correct side caliper (bleeder screw pointing up) with the shims between the caliper anchor and bracket. Secure with the correct length 12mm bolts supplied with your system. Torque the bolts to 85 ft-lbs. Check the clearance between the caliper anchor and the rotor. A minimum of .030" is necessary on both sides.

Install the "Hardline Retaining Kit" following the instructions contained in the packet. Tighten fittings and banjo bolt to 15-20 ft-lbs.

Check for adequate clearance between steel braid hose and all suspension components and wheel.

Repeat this procedure for other side.

Install park cables, if supplied, into the calipers and into the body in the stock location.

Refer to Bleeding and 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.