

## INSTALLATION INSTRUCTIONS

PART NUMBER: 6000799

VEHICLE MAKE: DODGE

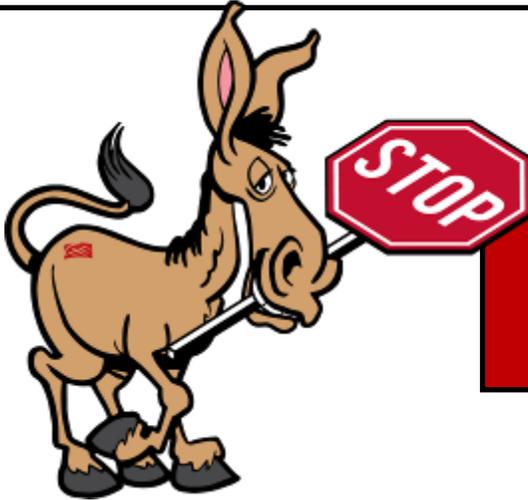
MODEL: RAM 1500 NEW BODY STYLE (6 LUG)

YEARS: 2019-2024

PRODUCT: GENERAL BIG CLAW REAR

REVISION: REVISION B

REVISION DATE: 17 FEBRUARY, 2025



### READ BEFORE CONTINUING!

Returns will not be accepted for ANY installed PART or ASSEMBLY. Use great care in preventing cosmetic damage when performing wheel fit check. If a product must be returned, please contact Baer customer service for an 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 FITMENT BEFORE BEGINNING INSTALLATION OF ANY BRAKE SYSTEM OR “UPSIZED” ROTOR UPGRADE!** In addition to checking wheel fitment of this system with the wheel fitment template (available online at [www.Baer.com](http://www.Baer.com)), always place the actual corner assembly or a combination of the caliper assembly on the rotor, and into the actual wheel with great care to prevent cosmetic damage. 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 of brake components.** Wheel fitment should be verified before installation using a wheel fitment template supplied at [www.Baer.com](http://www.Baer.com)
- When installing new Baer rotors, be sure to follow the direction of rotation indicated on the rotor hat area with either an arrow, an “L” for left, or an “R” for right, or both. “L” always indicates the rotor for the driver side of US spec vehicles. Follow the rotor installation and rotation instructions included in the promo pack (P/N 6020101) included with your system when installing rotors. **Failure to properly install rotors will not allow for proper function of the brake system and can cause heat related fatigue and failure.**

- Note: Baer recommends taking photos of the brake system before disassembly and during each step of the disassembly process. Photos may allow technical support to better assist given any necessary troubleshooting.**
- If anything becomes unclear or any parts require force to install at any point during the installation, stop immediately and consult directly with Baer technical staff. Please have these instructions and the part number of the components that is/are proving difficult to install. Please provide technical staff with the make, model, and year (date of vehicle production is preferred) of your vehicle. Baer's technical staff is available by phone (602.233.1411) or email (ContactUs@Baer.com) from 8:30 AM - 5:00 PM MST (Mountain Standard Time) Monday - Friday (Arizona does not observe Daylight Savings Time).



# IMPORTANT

## YOU MUST PERFORM THESE STEPS BEFORE BEGINNING INSTALLATION OF THE REAR BIG CLAW ON YOUR 2019-2024 RAM 1500 (6 LUG)

1. Turn on accessory power.
2. On the central digital display, navigate to *SETTINGS>BRAKES>BRAKE SERVICE*.
3. Press the *Brake Service* option.
4. A dialogue will appear, asking "Would you like to retract Park Brakes to allow for brake system service?"
5. Select "Yes".

Activating brake service mode is an essential first step when servicing the rear brakes on these vehicles as it releases the electronic park brake mechanism. This allows the rear caliper piston to be retracted when replacing/servicing the rear brakes.

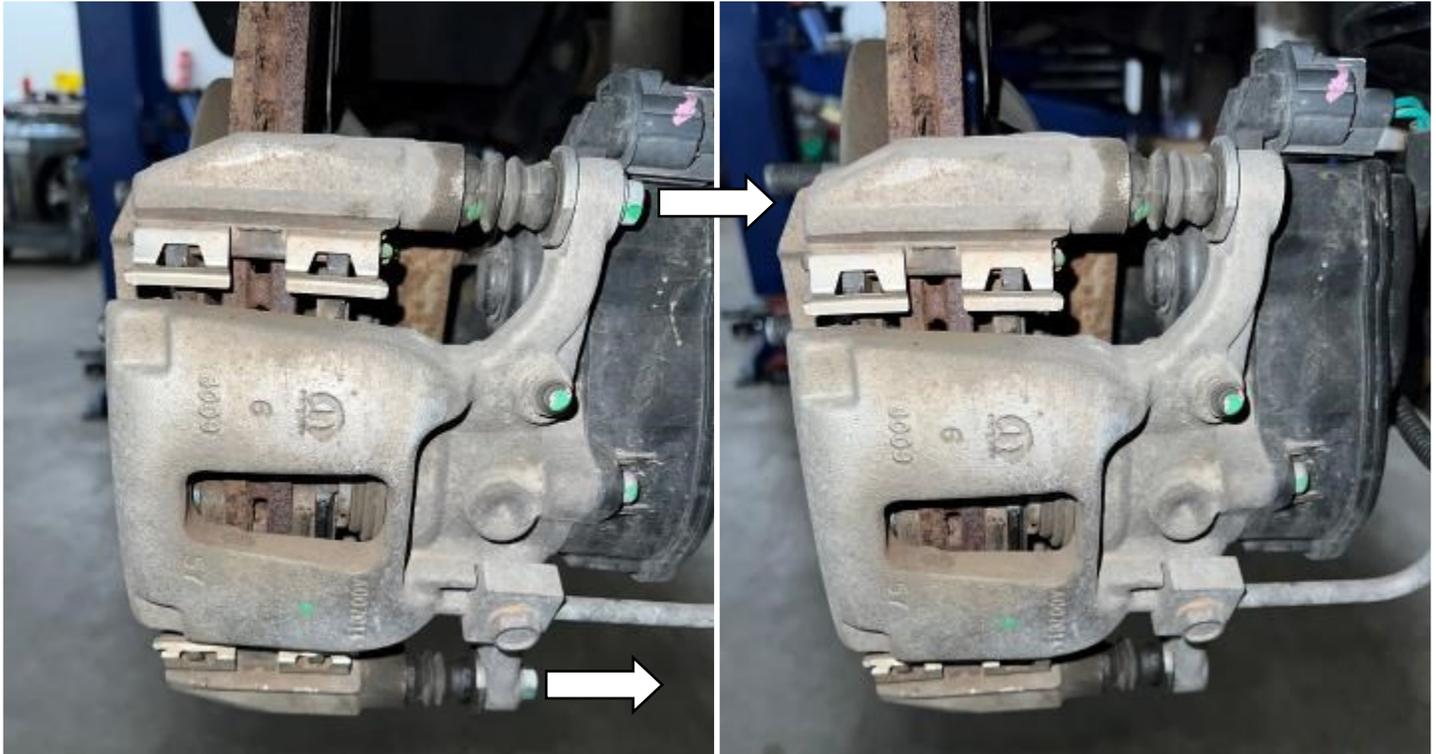
TO EXIT BRAKE SERVICE MODE FOLLOWING THE COMPLETION OF THIS INSTALLATION, FOLLOW THE STEPS DETAILED BELOW. ONLY PERFORM THE FOLLOWING STEPS ONCE INSTALLATION IS COMPLETE. PERFORMING THESE STEPS WITHOUT ANYTHING IN THE CALIPER (brake rotor) TO CAPTURE THE REAR CALIPER PISTON COULD CAUSE THE PISTON TO OVER-EXTEND AND DISLodge ITSELF FROM THE REAR CALIPER. IF THE PISTON DISLodGES ITSELF FROM THE REAR CALIPER, IT MUST BE SERVICED TO HAVE IT REINSTALLED AND THE BRAKE SYSTEM MUST BE BLED.

1. Turn on accessory power.
2. Press and hold the brake pedal.
3. While holding the brake pedal, pull the park brake switch to engage the electronic parking brake.
4. A dialogue will appear on the central digital display stating "Park Brake reset. Brake Service exit complete."

At this point, the parking brake is now active again and the vehicle is safe for normal operation.

**REMOVAL OF FACTORY BRAKE COMPONENTS**

1. Carefully lift and support the rear end of the vehicle. It is recommended to place wheel chocks behind the front wheels before lifting the rear end of the vehicle to prevent the vehicle from rolling during installation.
2. Remove the rear wheels from the vehicle.
3. Unbolt the brake caliper body from the caliper bracket. This will require you to remove the sliding pin bolts from the caliper assembly. **DO NOT** unbolt the brake hose from the caliper body, doing so will open the brake system and require you to bleed the brakes following installation. Set the sliding pin bolts to the side as they will be used to re-secure the caliper body to the new Big Claw anchor brackets.



4. Unclip the parking brake wire from the brake hose at the shown attachment points.



**REMOVAL OF FACTORY BRAKE COMPONENTS CONTINUED**

5. Once removed, carefully support the caliper body tucked inside the wheel well. **DO NOT** allow the caliper body to hang, suspended by the brake hose as it may damage the brake hose.

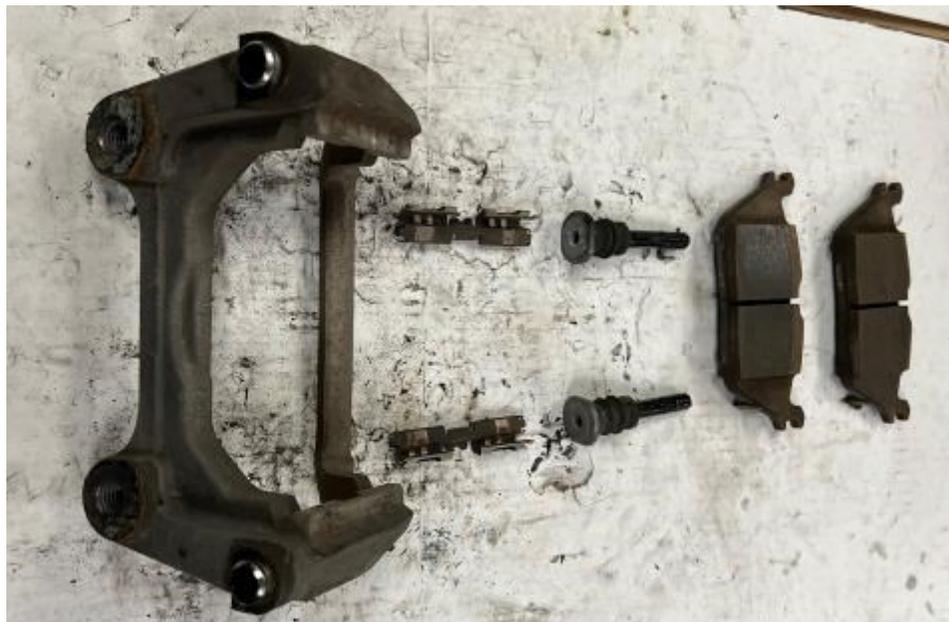


**REMOVAL OF FACTORY BRAKE COMPONENTS CONTINUED**

5. Unbolt and remove the caliper anchor bracket assembly from the vehicle and place on an adequate work platform to perform the next step. The factory caliper anchor brackets will not be used with any of the new brake components in this system, however it is recommended that they are stored for future safekeeping. Set the factory caliper anchor bracket mounting hardware (typically flange bolts) to the side as they will be used to secure the new caliper anchor brackets to the vehicle.



6. Carefully remove the brake pads and brake pad abutment hardware from the caliper bracket. Store the caliper sliding bolts off to the side in a safe location as they will be utilized with the new Big Claw anchor brackets in this system.



**REMOVAL OF FACTORY BRAKE COMPONENTS CONTINUED**

7. Remove the factory brake rotor from the wheel hub and carefully inspect the rotor mounting face of the wheel hub for debris/damage. Clean any debris present on the rotor mounting face of the wheel hub and replace any damaged wheel hub components as necessary.



8. You may now begin installation/preparation of the new Big Claw brake components.

### BIG CLAW ANCHOR BRACKET PREPARATION

1. It is recommended to install all of the necessary components into the new Big Claw anchor brackets before mounting them on the vehicle as it can be done easily on an adequate work platform/bench.
2. Carefully remove the rubber boots from the caliper sliding pins. Clean the factory caliper sliding pins with warm water and dish soap to prevent damaging any rubber components or finish on the pins.



3. Apply a thin, even coating of the supplied silicone grease to the clean pins. **Clean your hands, or replace gloves if any lubricant residue is present to prevent contact with the friction surface of new brake pads during installation.**



**BIG CLAW ANCHOR BRACKET PREPARATION CONTINUED**

4. Reinstall the rubber boots back on the caliper sliding pins, making sure the boot is fully seated in the groove on the pin.
5. Install the caliper sliding pins into the Big Claw anchor bracket, ensuring the boot is fully seated in the grooves on the Big Claw anchor bracket.

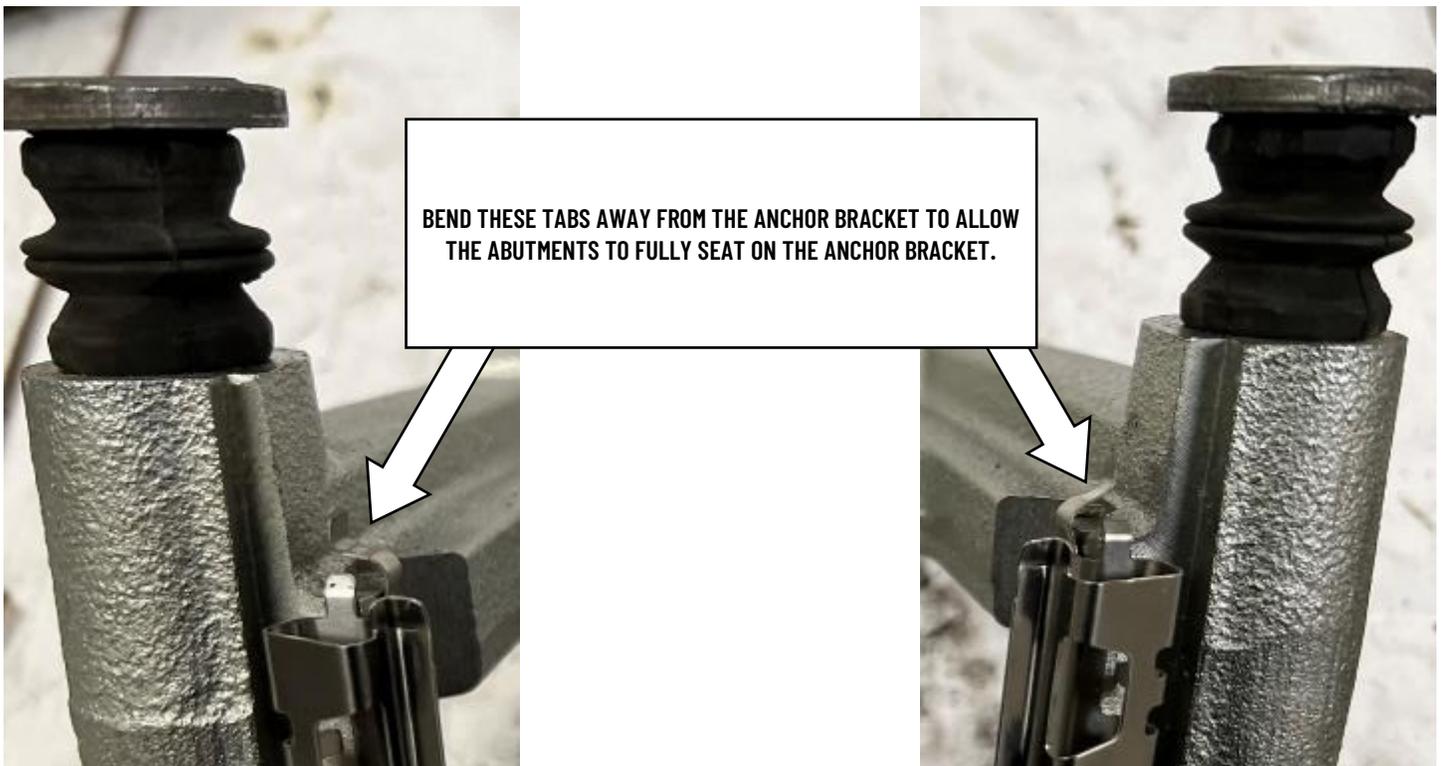


**BIG CLAW ANCHOR BRACKET PREPARATION CONTINUED**

4. Install the abutment (brake pad) hardware to the Big Claw anchor brackets.



5. Bend the innermost tabs of the abutment hardware away from the anchor bracket as shown to ensure the abutment hardware is fully seated on the Big Claw anchor bracket.



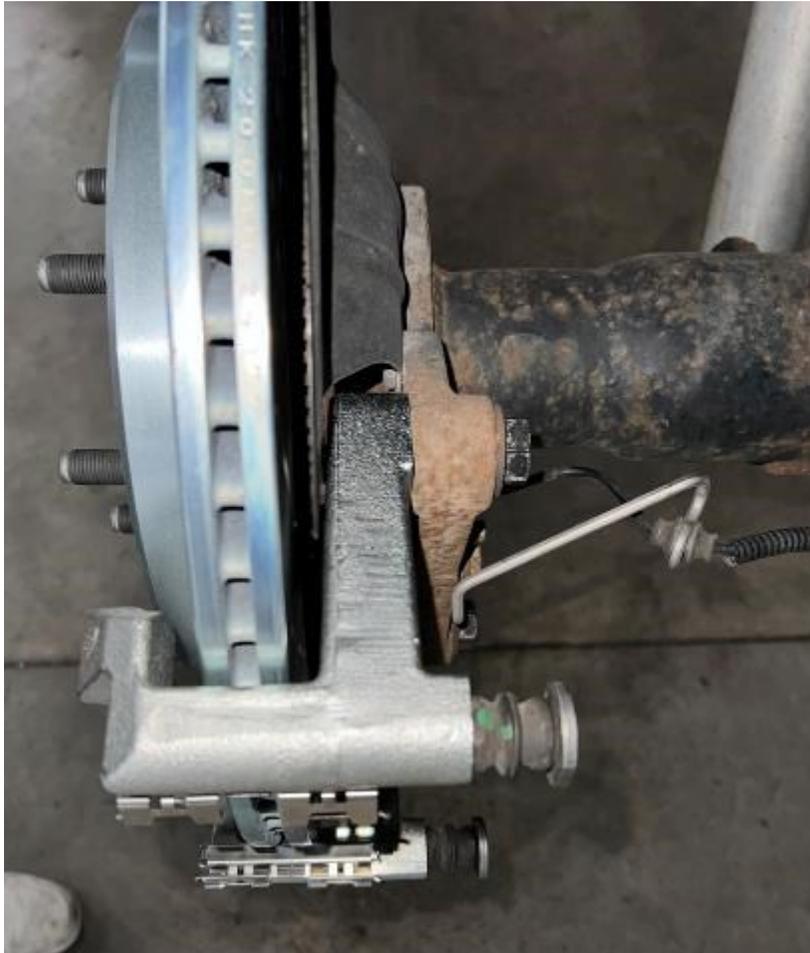
**BIG CLAW ROTOR INSTALLATION**

1. Install the correct side rotor to the wheel hub and secure with the factory retaining screw. Refer to the "*ROTOR DIRECTION AND INSTALLATION*" instructions contained within the promo packet provided with this system to ensure you install the correct side rotor.



**BIG CLAW ANCHOR BRACKET INSTALLATION**

1. Install the prepared Big Claw anchor bracket to the vehicle and secure with the factory hardware. The Big Claw anchor bracket mounts to the vehicle in the same location as the factory anchor bracket.



2. Torque the mounting hardware to the factory recommended torque spec to secure the prepared Big Claw anchor bracket to the vehicle.
3. Rotate the rotor multiple times to ensure there is no contact between the Big Claw anchor bracket and the rotor. The abutment hardware may contact the rotor as you rotate it, if this happens, the hardware can be bent away from the rotor with a set of pliers.

**BIG CLAW ANCHOR BRACKET INSTALLATION CONTINUED**

4. Install the brake pads to the Big Claw anchor bracket. It is highly recommended that new pads are installed when new rotors are being installed on a vehicle.



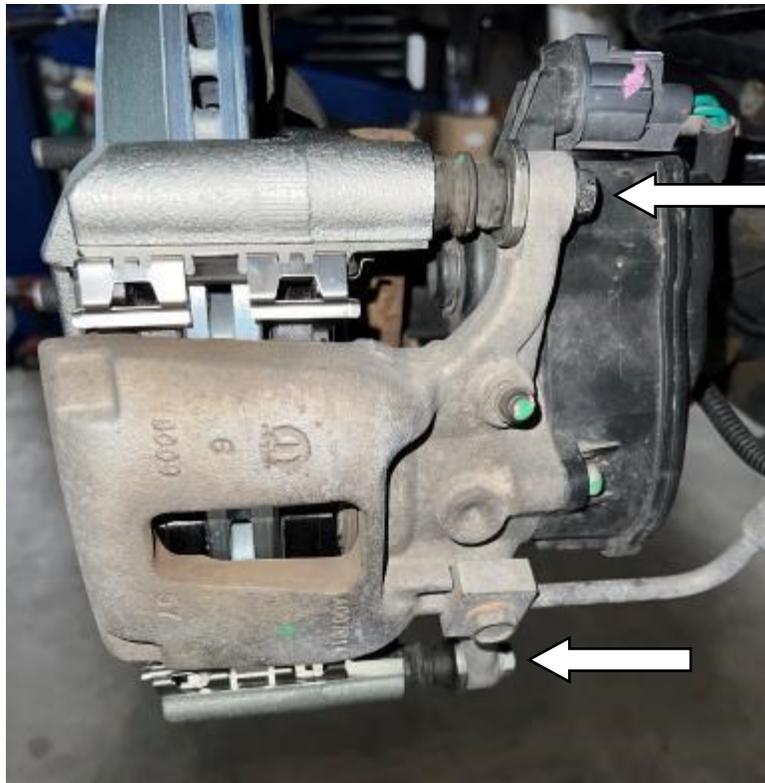
5. **Make sure no lubricant residue is present on the friction surface of the brake pads or rotor, this will significantly decrease performance of the brakes and potentially lead to harm or injury. If there is any lubricant residue present on the friction surface of the brake pads or rotor, properly clean said surface(s) with an appropriate brake clean product before installing on and operating the vehicle.**

**CALIPER BODY INSTALLATION**

1. Retract the piston inside the caliper with an appropriate tool.



2. Press the brake pads on the prepared Big Claw anchor bracket firmly against the rotor and reinstall the caliper body to the prepared Big Claw anchor bracket. Secure with the factory sliding pin bolts.



3. Torque the mounting hardware to the recommended factory torque spec to secure the caliper body to the prepared Big Claw anchor bracket.
4. Reattach the parking brake wire to the brake hose at the four attachment points shown on page 4 of this instruction.

**CALIPER BODY INSTALLATION CONTINUED**

5. Reinstall the rear wheels and torque the lug nuts to the factory torque spec to properly secure the wheels.
6. Disable brake service mode, following the steps detailed in the second section on page 3 of this instruction.
7. Refer to the *"ROTOR SEASONING AND PAD BEDDING INSTRUCTIONS"* contained within the promo packet provided with this system to ensure the rotors are properly seasoned and the brake pads are properly bedded for optimal braking performance.

**NOTE: It is important to verify wheel fitment for spare wheels. This system is larger than the stock brake system and wheel fitment must be verified for spare wheels.**