

# Z1 300ZX STREET FORGED/AKEBONO REAR BIG BRAKE KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

1990-1996

Nissan 300ZX

## PROLOGUE:

Study these instructions completely before proceeding to assembly. The installer must have a thorough knowledge of automotive systems operation. If unfamiliar with any of the concepts outlined in this instruction, we recommend the installation be completed by a qualified professional.

## WARNING!

Extreme caution should be taken when performing maintenance or performance upgrades to your vehicle. Please observe and abide by any Warning or Caution labels placed on the various components and tools used when servicing your vehicle. If you have any questions regarding installation or the various components included with the Z1 Motorsports 300ZX Street Forged/Akebono Rear Big Brake Kit, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Driver Side Caliper
2	1	Passenger Side Caliper
3	1	Driver Side Rotor
4	1	Passenger Side Caliper
5	1	Brake Pads with Hardware Kit
6	1	Rear Left Adapter
7	1	Rear Right Adapter
8	4	M12 x 1.25 Flanged Hex Head Screw, 50mm
9	4	M10 x 1.25 Flanged Hex Head Screw, 35mm
Optional Parts		
10	1	Stainless Steel Brake Lines
11	1	Brake Fluid

## **TOOLS REQUIRED:**

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Assorted Metric Wrenches
- Assorted Metric Sockets
- Torque Wrench
- Channel Lock Pliers
- Cutoff Wheel/Equivalent Tool

## **SAFETY REQUIREMENTS:**

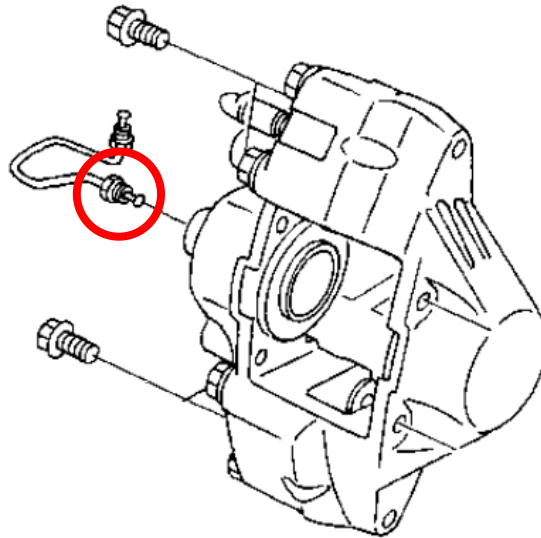
- Always wear safety glasses and any necessary protective garments. If using any fluids, chemicals, or solvents, a respirator is recommended.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- Always use properly rated jack stands when working under your vehicle.
- Always keep limbs and parts away from moving drivetrain parts.
- Only operate drivetrain in safe space and well-ventilated areas.

## **BEFORE YOU BEGIN:**

Remove contents from the Z1 Motorsports 300ZX Street Forged/Akebono Rear Big Brake Kit and verify that ALL necessary hardware is present.

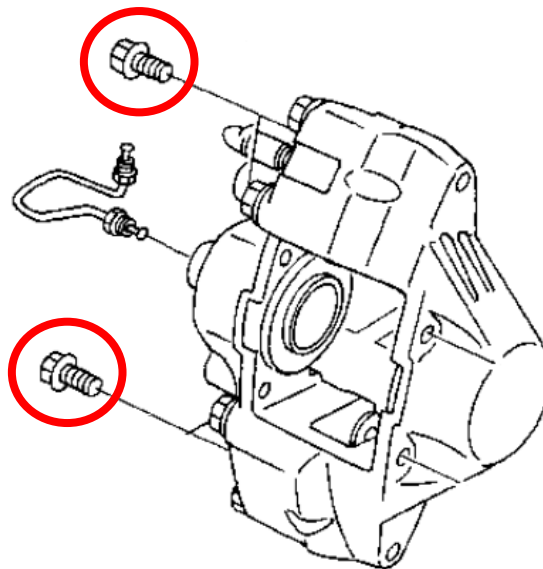
## **PROCEDURE:**

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Loosen but do not remove the lug nuts on the rear wheels.
3. Locate the proper jacking points on the vehicle's chassis (refer to the Vehicle's Owner's Manual). Raise and support the vehicle using a jack and jack stands.
4. Remove the rear lug nuts and wheels from the vehicle.
5. Starting on the Driver side of the vehicle, disconnect the Rear Hard Brake Line from the Caliper. Brake Fluid will leak out, avoid contact with painted surfaces and catch/clean any spilled fluid immediately. *Figure 1.*



*Figure 1*

6. Unbolt the (2) two bolts that secure the Caliper to the Knuckle. Retain these bolts as they will be reused. *Figure 2.*



*Figure 2*

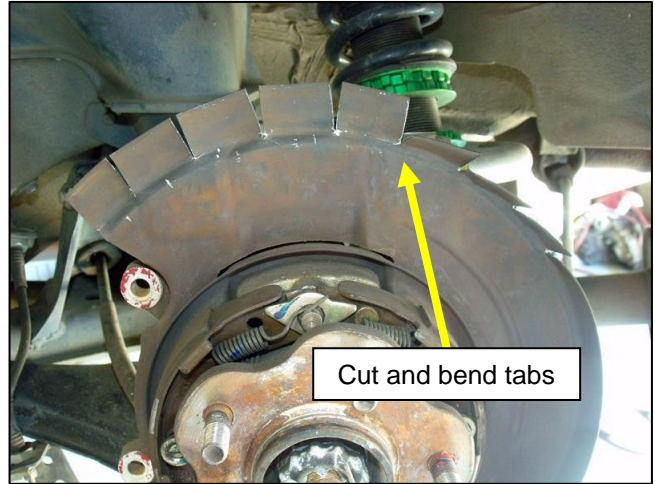
7. Remove the OE Caliper from the vehicle.
8. Remove the Rear Rotor from the vehicle.
9. If you are NOT swapping to Stainless Steel Brake Lines, skip to *Step 11*. Remove the OE Brake Line from the Brake Hard Line near the Caliper and on the Chassis Side. It will be held on with Retaining Clips, keep these clips as they will be reused. Clean up any spilled Brake Fluid. *Figure 3*.
10. Locate the Z1 Stainless Steel Rear Brake Lines. If you have both front and rear Brake Lines, the rear lines are the shorter ones. Install the ends onto the Caliper Side and Chassis Side Hard Lines and secure with the OE Retaining Clip. *Figure 3*.



*Figure 3*

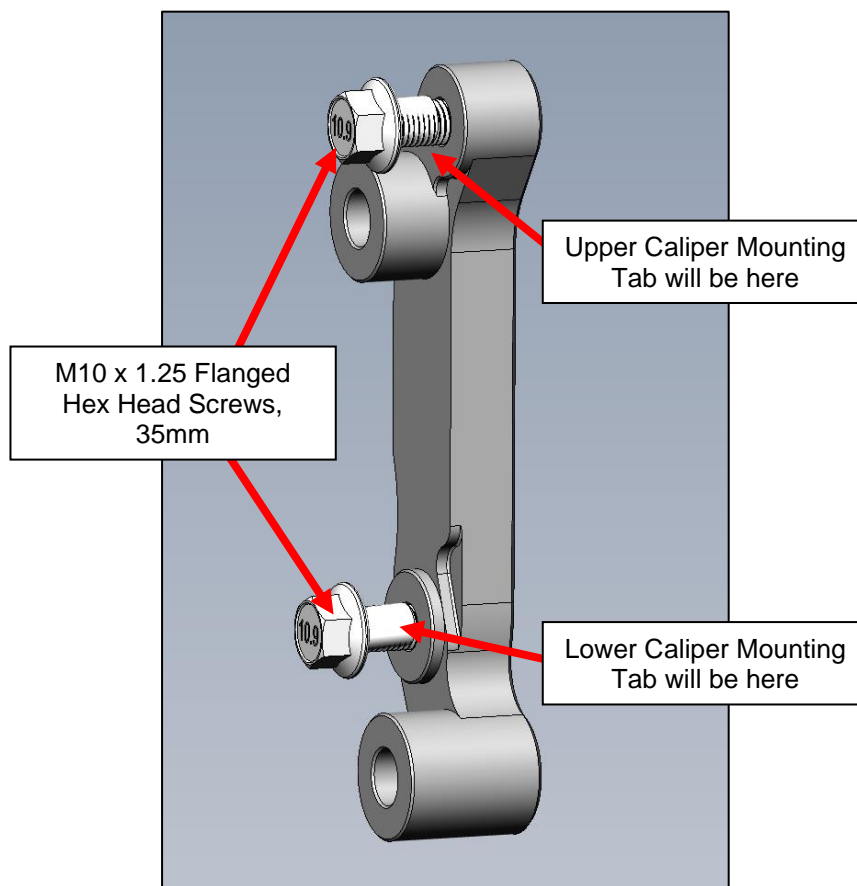


11. The Rear Dust Shield must either be completely removed or trimmed with a Cutoff Wheel/equivalent tool to clear the bigger Rotor and Caliper Bracket. Refer to *Figure 4* below as a guide on how to trim the Dust Shield.



*Figure 4*

12. Locate the Rear Left Adapter and (2) two M10 x 1.25 Flanged Hex Head Screws, 35mm. Install the Bracket behind the Rear Knuckle and insert the M10 Bolts through the OE Caliper Mounting Points and into the Adapter. Torque the bolts to **38 ft-lbs**. *Figure 5*.



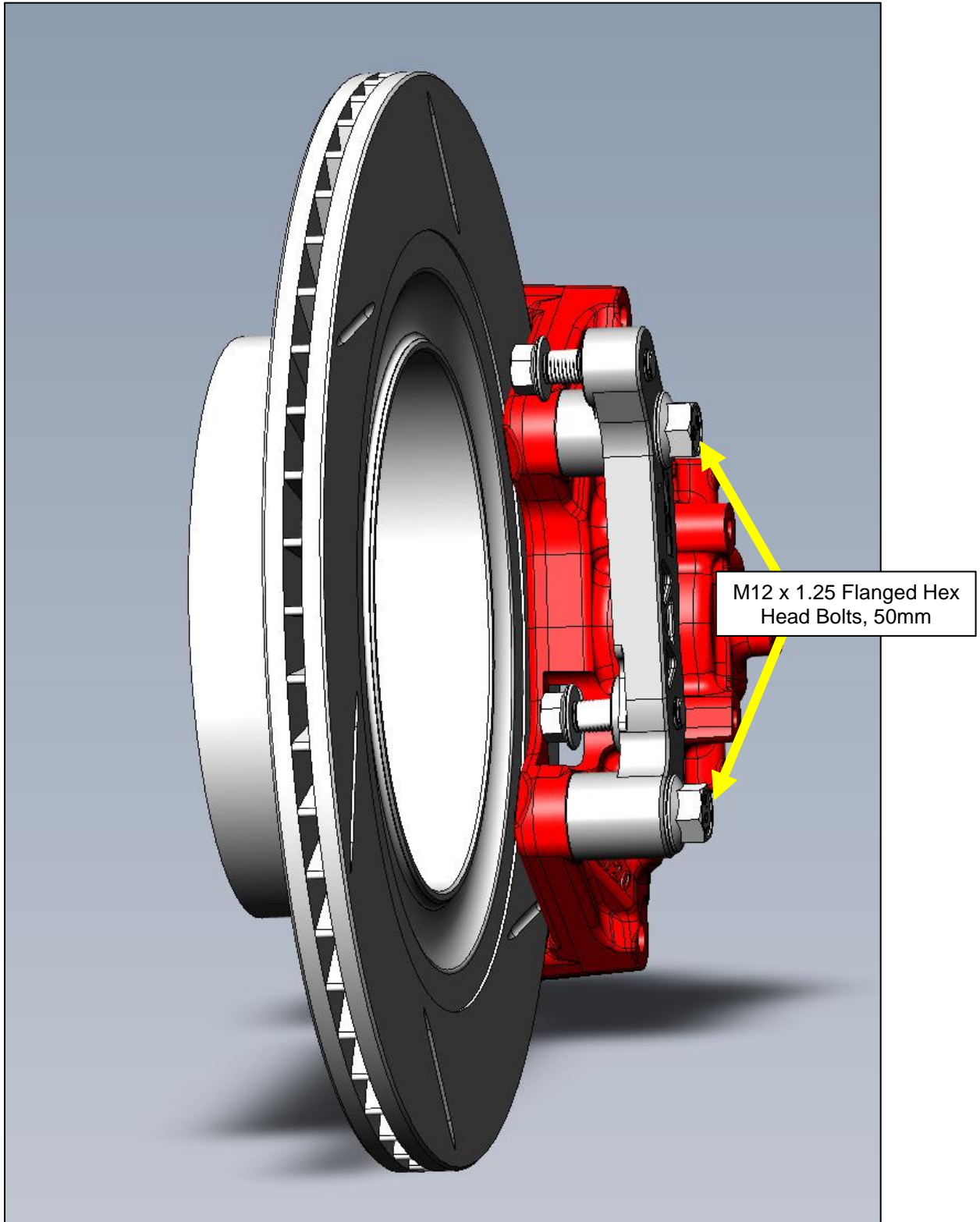
*Figure 5*

13. Locate the Driver Side Rear Rotor. Place the Rotor on the Wheel Hub and secure with a few Lug Nuts. Tighten the Lug Nuts to fully seat the rotor and check for contact between the Rotor and the Dust Shield. Clearance the Dust Shield more if necessary. *Figure 6*.



*Figure 6*

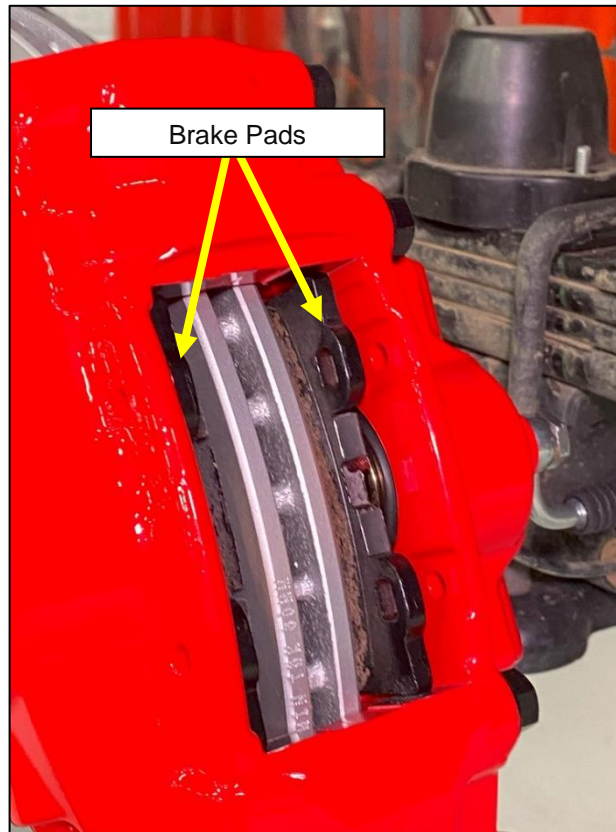
14. Locate the Driver Side Rear Caliper and (2) two M12 x 1.25 Flanged Hex Head Bolts, 50mm. Install the Caliper onto the Bracket and over the Rotor, making sure the Bleeder Ports are facing upwards. Secure from the inboard side with the M12 Bolts. Torque the M12 Bolts to **62 ft-lbs.** *Figure 7.*



*Figure 7*



15. Install the OE Hard Brake Line into the back of the Caliper.
16. Locate (1) one set of Rear Brake Pads and the Hardware Kit. Apply a coat of Brake Grease to the back of the Brake Pads and insert (1) one Brake Pad into each side of the Caliper. Ensure that the Brake Pad surface faces the Rotor. *Figure 8.*



*Figure 8*

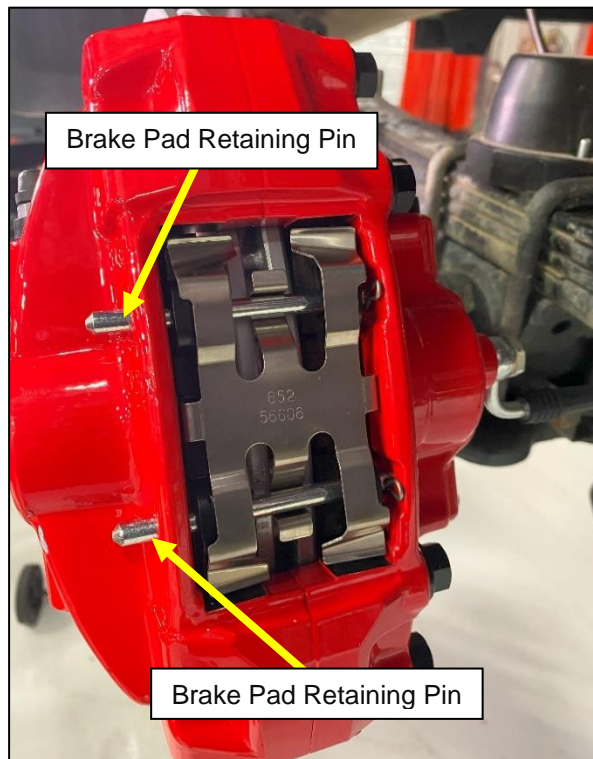
17. Locate (1) one Brake Pad Retainer. Insert it onto the Brake Pads as shown. *Figure 9.*



*Figure 9*

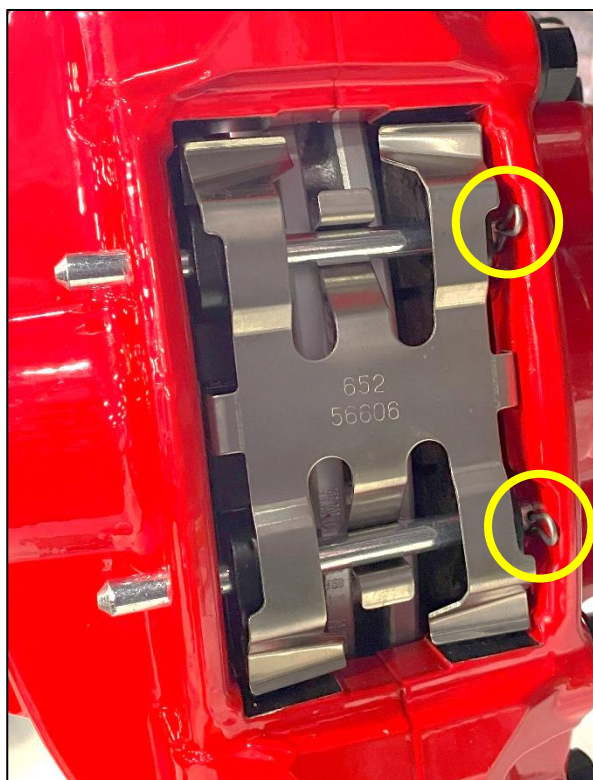


18. Locate (2) two Brake Pad Retaining Pins. Insert them through the inside of the Caliper as shown below. They will need to go through the ears of the Brake Pad and over the middle tab of the Pad Retainer. The Pins may need to be slightly tapped with a hammer to go through the Caliper. *Figure 10.*



*Figure 10*

19. Locate (2) two Cotter Pins. Insert them through the Brake Pad Retaining Pins installed in *Step 18*. The Retaining Pins may need to be rotated to allow access to the Cotter Pin Holes. *Figure 11.*



*Figure 11*

20. Repeat *Steps 5-19* for the other side of the vehicle.
21. Bleed the Brakes according to the Factory Service Manual (FSM) starting with the Passenger Side Rear Brake. The Calipers have (2) two Bleeders each, both must be bled, starting with the inside Bleeders. If you are also installing a Front Brake Kit, wait until those are installed before bleeding.
22. Reinstall the Rear Wheels and Lug nuts.
23. Safely lower the vehicle from jack stands.
24. Take vehicle for test drive, test brake function before going onto street.
25. Bed Brake Pads according to manufacturers instructions.

**END**

**Additional Technical Support:**  
Contact Z1 Motorsports at [info@z1motorsports.com](mailto:info@z1motorsports.com)  
Or call 770-838-7777 between 9am and 6pm ET