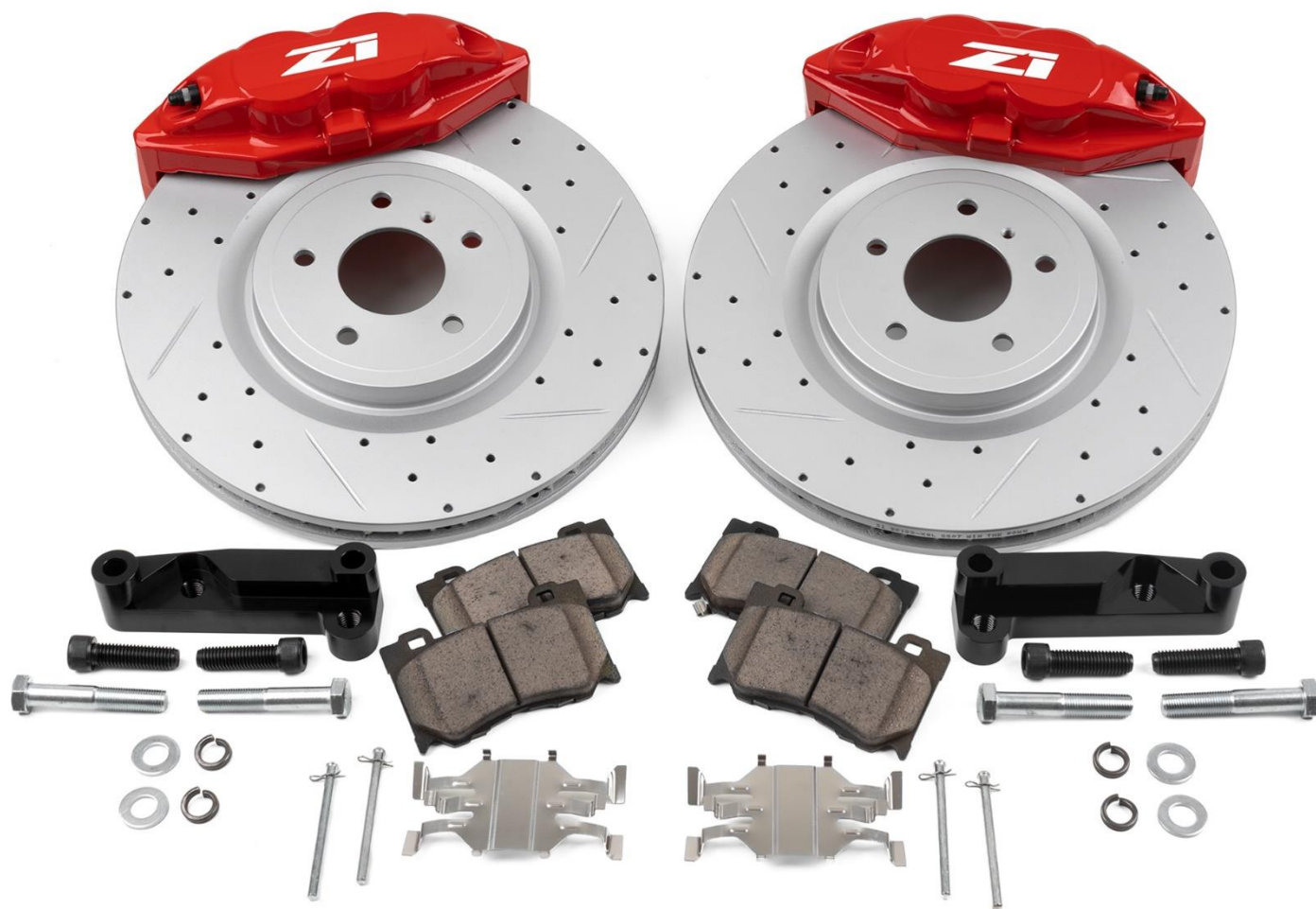


Z1 300ZX STREET FORGED/AKEBONO FRONT BIG BRAKE KIT INSTALLATION MANUAL



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 Front Big Brake Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Caliper - Driver
2	1	Caliper - Passenger
3	1	Rotor - Driver
4	1	Rotor - Passenger
5	1	Brake Pads & Hardware
6	2	300ZX- Big Brake Kit BBK Hard Lines
7	1	300ZX Big Brake Kit Front Bracket - Driver
8	1	300ZX Big Brake Kit Front Bracket - Passenger
9	2	Reusable Zip Tie
10	4	9/16" Lock Washer – Black Oxide
11	4	M12 x 50mm Bolt
12	4	M14 Flat Washer
13	4	M12 Lock Washer
14	4	M12 x 24mm OD Flat Washer
15	4	M14 x 80mm Bolt
Optional Parts		
16	1	Stainless Steel Brake Lines - Z32
17	1	Brake Fluid

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- 14mm Socket/Wrench
- 15mm Socket/Wrench
- Torque Wrench
- Channel Lock Pliers

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 Front Big Brake Kit and verify that ALL necessary hardware is present.

PROCEDURE:

Disassembly:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Loosen front wheel lug nuts but DO NOT remove them.
3. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
4. Raise the vehicle's hood.
5. Remove front wheels.
6. With the front wheels removed, begin the disassembly of the stock 300ZX brake system:
 - a. Disconnect the front brake lines from the brake caliper (use caution when handling brake fluid)
 - b. Unbolt the TWO 19mm Bolts securing the Brake Caliper to the King Pin. Save these bolts as they will be reused!
 - c. Unbolt the two 12mm bolts securing the brake line bracket to the king pin. Save this bracket and bolts, they will be reused!
 - d. Remove the stock Brake Rotors from the Hub Assembly.

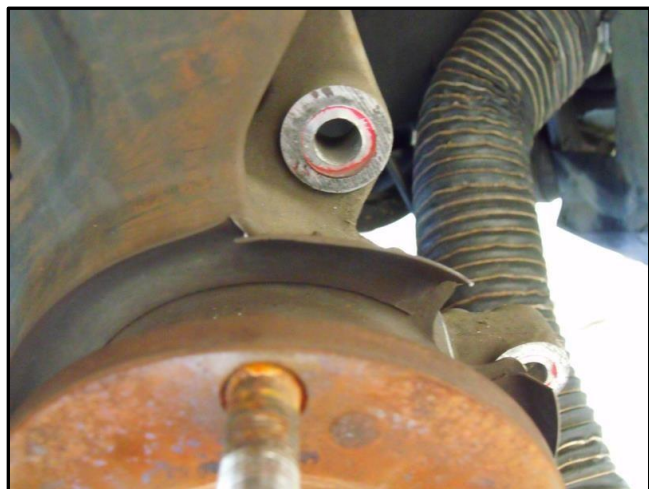
Installation Note #1:

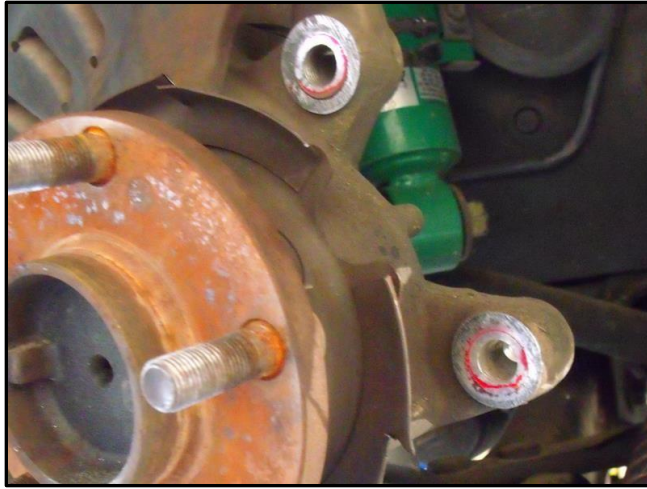
At this point, if you are planning on installing new, aftermarket or the optional Z1 Motorsports SS Brake Lines, it would be recommended that they are installed now before continuing on with the installation.

Installation:

In order to install the Z1 Motorsports 300ZX Big Brake Kit Brake Caliper Adapter Brackets, the factory dust shields must either be removed completely or slightly modified to clear two bolts. It is not necessary to remove the dust shields in order to properly install this big brake kit.

Referring to the images below, two sections of the dust shield must be trimmed away:



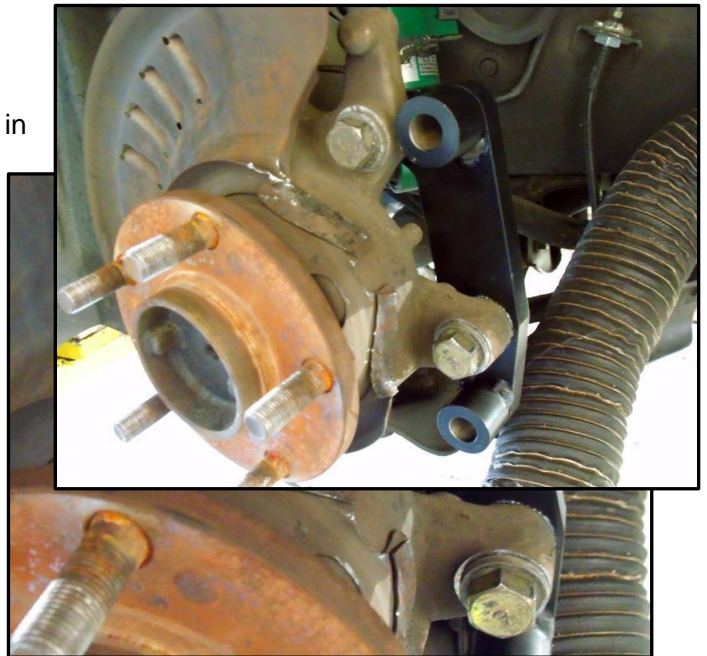


7. Locate the two Z1 Motorsports 300ZX Big Brake Kit Brake Caliper Adapter Brackets and the Stock Brake Caliper bolts removed in Step #6B.

Installation Note #2:

The Z1 Motorsports 300ZX Big Brake Kit Brake Caliper Adapter Brackets can only be installed one way. There is a RIGHT SIDE and a LEFT SIDE. Make sure that the Welded Spacers are facing towards the outside of the vehicle. Be sure to line up the threaded holes on the adapter bracket with the holes on vehicle's King Pin (The factory mounting points for the OEM 300ZX Brake Caliper).

8. After positioning the Brake Caliper Adapter Bracket, insert the factory Nissan brake caliper bolt through the original mounting points for the stock brake caliper. Evenly torque the two bolts in



repeating series to ensure that the bracket is bolted on properly.

9. Locate the two 370Z Sport Front Rotors.

10. Install the rotors, using 2 or 3 lug nuts to secure the rotors to the vehicle. This will also allow the rotors to be completely vertical, preparing you for the next step #12.

Installation Note #3:

If you opted to remove the factory front caliper dust shield, you may skip to Step #14 to continue the installation.

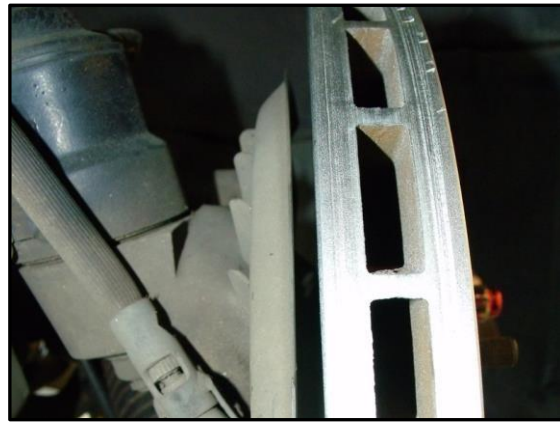
11. Turn the steering wheel so that you are looking at the rear of the brake assembly (You should be looking at the Dust Shield and Out Tie Rod End).

12. Slowly rotate the brake rotor. While doing so, note the gap between the top edge of the dust shield and the inside face of the brake rotor. Ensure that the dust shield IS NOT touching the brake rotor. If it is touching the Brake Rotor, you can pry the dust shield away. This may take a little adjusting to make the gap sufficient.

DUST SHIELD CONTACTING ROTOR!



DUST SHIELD ADJUSTED (NO CONTACT)



13. Locate the following pieces:

- a. Big Brake Kit Front Brake Calipers
- b. Retaining Clips
- c. Retaining Pins
- d. Big Brake Kit Brake Pads

14. Assemble the Front Brake Calipers before installing them onto the vehicle.

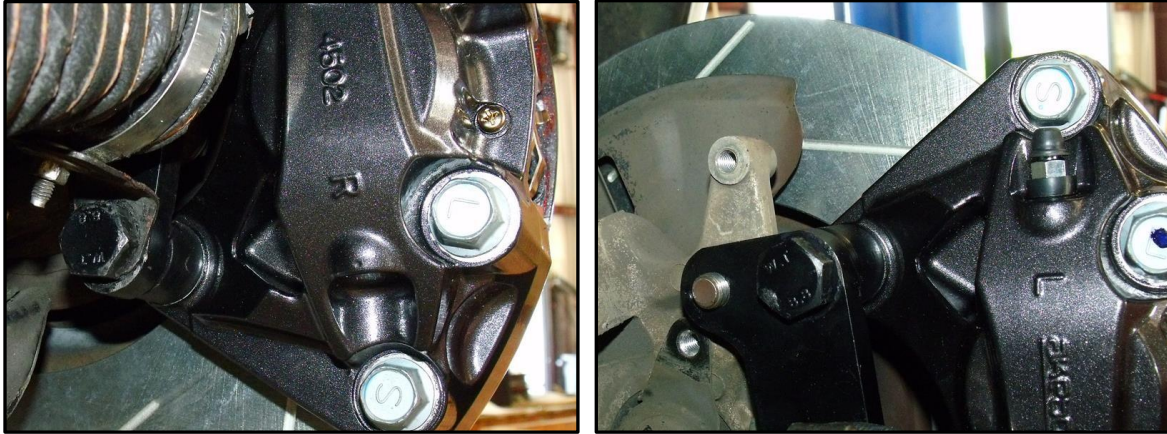
Installation Note #4:

If you are using an upgraded, NON-Nissan Brake Pad, you will NOT use the included shims. These shims are for OEM Nissan and NISMO Brake Pads only.

It is recommended that some sort of Brake Disc Quiet Compound is placed on the back side of the brake pads. This can be purchased from any local auto parts store.

15. Locate the two 22mm Brake Caliper Adapter Bolts, and high collar lock washers.

16. Attach the assembled Big Brake Kit Brake Caliper to vehicle and bolt it down using the supplied 22mm Brake Caliper Adapter Bolts and high collar lock washers. Check clearance to rotor on all parts.



17. Locate the Z1 Motorsports Big Brake Kit Brake Line Adapters. Using the appropriate sides, attach the adapter to the caliper and brake line.
18. Double check all fasteners.
19. Bleed the brake system
20. Re-install the front wheels and the previously removed brake line brackets.
21. Perform a final test drive of the vehicle.

END

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