

# Z1 TRACK BIG BRAKE KIT - FRONT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2003-2008	Nissan 350Z
2009-2020	Nissan 370Z
2023+	Nissan Z
2003-2007	Infiniti G35
2008-2015	Infiniti G37
2014+	Infiniti Q50
2017+	Infiniti Q60

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

## **PARTS INCLUDED:**

Item	Quantity	Description
1	1	Brake Pads
2	1	Z1 Track Front Brake Caliper - Left
3	1	Z1 Track Front Brake Caliper - Right
4	1	Z1 2 Piece Track Front Rotor - Right
5	1	Z1 2 Piece Track Front Rotor - Left
6	2	Z1 Track Front Brake Caliper Hardware
7	2	Z1 Track Front Caliper Bracket
8	2	M8 x 90mm Hex Head Bolt
9	2	M8 Flat Washer
10	4	M12 Flat Washer
11	4	M12 x 75mm Allen Head Bolt
Optional Items		
12	1	Z1 Stainless Steel Brake Lines
13	2	Brake Fluid

## **TOOLS REQUIRED:**

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Brake Line Flare Nut Wrench
- 8mm Socket/Wrench
- 10mm Socket/Wrench
- 14mm Socket/Wrench
- 15mm Socket/Wrench
- 22mm Socket/Wrench
- 7/16" Allen/Hex Bit or Wrench
- 10mm Allen/Hex Bit or 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 Z1 Track Big Brake Kit – Front 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.

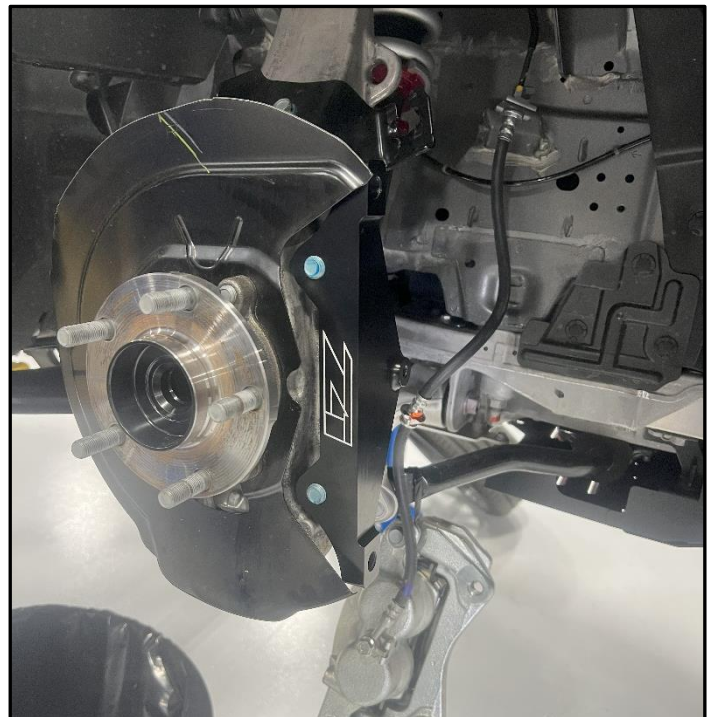
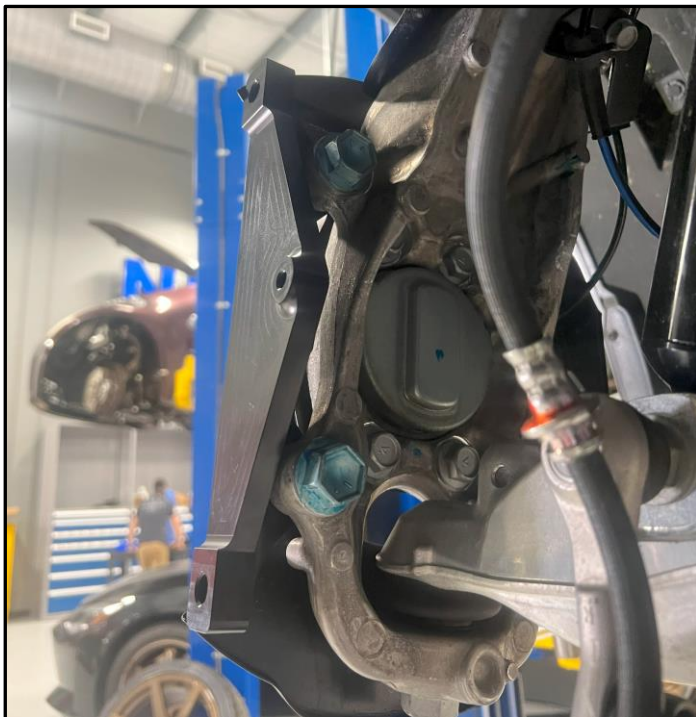
2. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
3. Raise the vehicle's hood
4. Remove front wheels
5. With the front Wheels removed, begin the disassembly of the stock brake system:
  - a. Disconnect the front brake lines from the brake caliper (use caution when handling brake fluid as it will damage any painted surface).
  - b. Unbolt the TWO bolts securing the brake caliper to the spindle. Retain the hardware as it will be reused.
  - c. 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 the installation*

**Installation:**

6. Clean the hub surface with a wire brush before mounting the new rotor. Install the left and right side accordingly.
7. 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.
8. Locate the two Z1 Motorsports Brake Caliper Adapter Brackets and the stock brake caliper bolts removed in Step #5B. You will need the factory caliper bolts for the next step.
9. Position the brake caliper bracket onto the steering knuckle. Insert the bolt through the original mounting points for the stock brake caliper, but from the outboard side into the bracket (the bolts are a tight fit into the factory spindle). Evenly torque the two bolts in repeating series to ensure that the bracket is bolted on properly. Torque the bolts to 98ft-lbs.



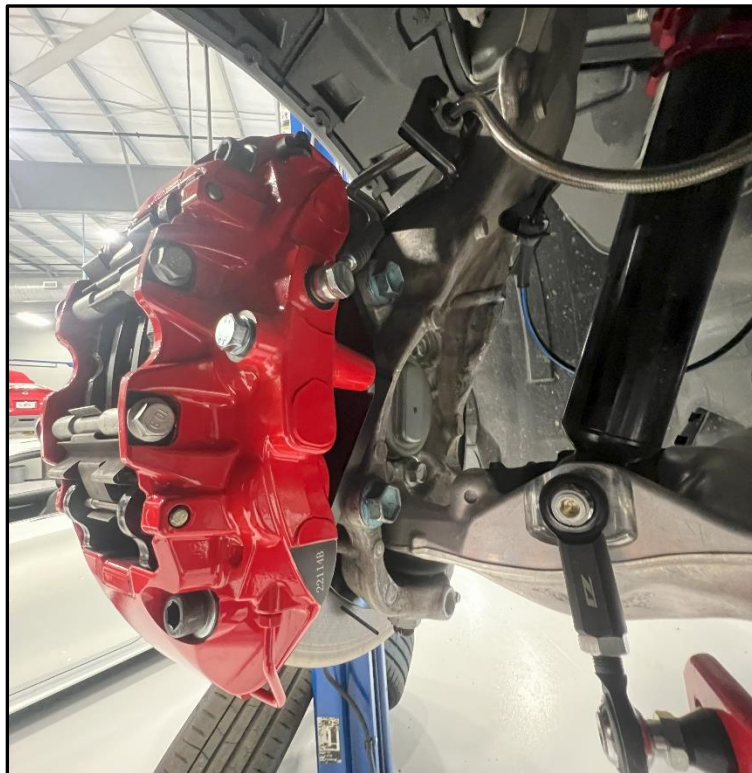
**Installation Note #3:**

10. 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).
11. 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 trim or pry the dust shield away. Reference the images on the previous page as those dust shield are trimmed. This may take a little adjusting to make the gap sufficient.
12. Locate the following pieces:
  - a. Front Track Brake Calipers
  - b. Retaining Clips
  - c. Retaining Pins
  - d. Brake Pads
13. Assemble the Front Brake Calipers and pads before installing them onto the vehicle.

**Installation Note #4:**

*It is recommended that some sort of brake disc quiet compound or grease is placed on the back side of the brake pads. This can be purchased from any local auto parts store. Some pad kits will include it.*

14. Locate the provided (4) M12 Allen brake caliper bolts, (4) M12 washers, (2) M8 bolts, and (2) M8 washers.
15. With a washer on each bolt, attach the assembled brake caliper to the brake caliper bracket that was installed in step # 9 using outer holes and the Allen bolts. Torque to 74ft-lbs.
16. With a washer on the bolt, attach the M8 bolt through the center mounting hole of the brake caliper to the brake caliper bracket. Torque to 18ft-lbs.



17. Secure the brake line to the rear of the caliper.

18. Double check all fasteners.
19. Bleed the brake system.
20. Re-install the front wheels and the previously removed brake line brackets. Factory lug-nut torque 80ftlbs. for aftermarket lug nuts or conical seat lug-nuts torque to 93ft-lbs.
21. Test brake pedal pressure and perform a final test drive of the vehicle. Re-check lug-nut torque after test drive.

**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