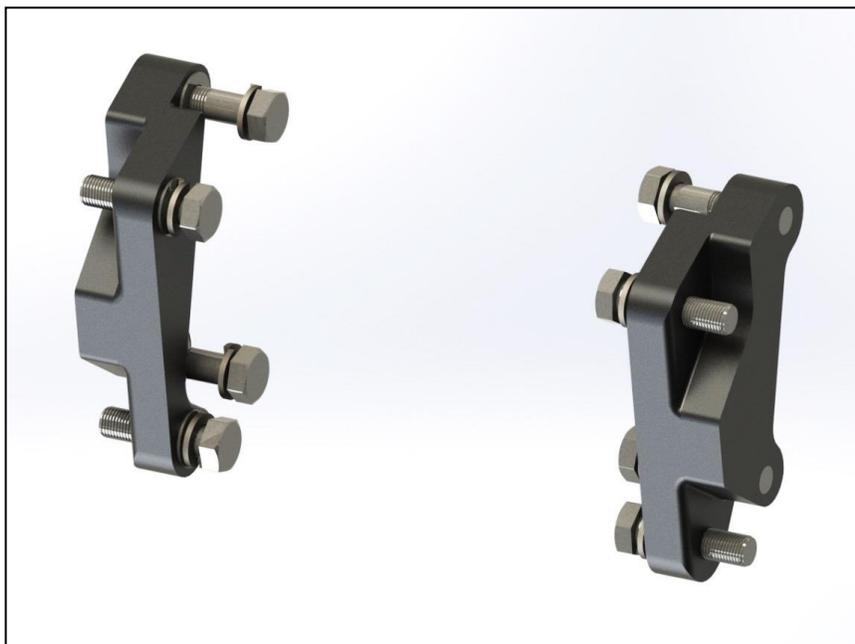




## Z32 / 300zx Front 12.75" Brake Bracket Installation Manual



**Note:**

*Because this bracket combines a rotor which is larger than what the OEM caliper was designed for, the geometry of the brake pad will not make complete contact with the rotor. Expect up to 4mm of pad overhang along the outside of the rotor. Brake performance will not be affected; Z1 has ran this combination on multiple cars through many years without issue.*

**IMPORTANT:**

Extreme caution should be taken when performing ANY 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 to service your vehicle.

**PROLOGUE:**

Study these instructions completely and thoroughly before proceeding to assembly. Installation can be completed using common tools and automotive procedures. The installer must have a thorough knowledge of automotive brake system operation. If unfamiliar with any of the concepts outlined in these instructions, we recommend the installation be completed by a qualified professional.

The information contained in this publication is accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. If you have any questions regarding the installation or the various components included with the Z1Motorsports™ Z32/300zx Brembo Brake Rotor Conversion Bracket Kit, consult with a qualified professional or contact Z1 Motorsports directly for more information at 770 838 7777 or z1motorsports.com.

**BRAKE FLUID WARNING!** Please be aware that Brake Fluid will damage any painted surfaces if left for an extended period of time. Use extreme caution when handling parts or painted body panels after coming into contact with Brake Fluid. Clean up spills or leaks as quickly as possible to prevent damage to the finish of the various suspension and body components.

### Parts Included:



- 1 Driver Side Brake Bracket
- 1 Passenger Side Brake Bracket
- 4 M12-1.25 x 45mm Grade 8.8 Hex Cap Bolts
- 4 M12-1.25 x 50mm Grade 8.8 Hex Cap Bolts
- 8 1/2" ID Lock Washers
- 8 1/2" ID Flat Washers
- 1 Installation Manual

### Additional Parts Needed (Optional\*):

- 1 OEM Brembo Nissan 350Z / Infiniti G35 Front Brake Rotors (New; Used or Aftermarket)

*\* Optional hardware may also be purchased from Z1 Motorsports*

### Safety Requirements:

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

### Installation:

1. Park the car and apply the parking brake. Use a wheel chock to reduce the possibility of unintended vehicle movement.
2. Raise and support your vehicle using jack and jack stands. Lift vehicle at the proper jacking points (Refer to vehicle's Owner's Manual).
3. Remove both front wheels.
4. Begin disassembly of the stock 300zx brake system:
  - a. Unbolt the TWO 19mm Bolts securing the Brake Caliper to the King Pin.
  - b. Remove Brake Rotors from the Hub Assembly.
  - c. Depress the brake caliper pistons so that they are at their widest position.

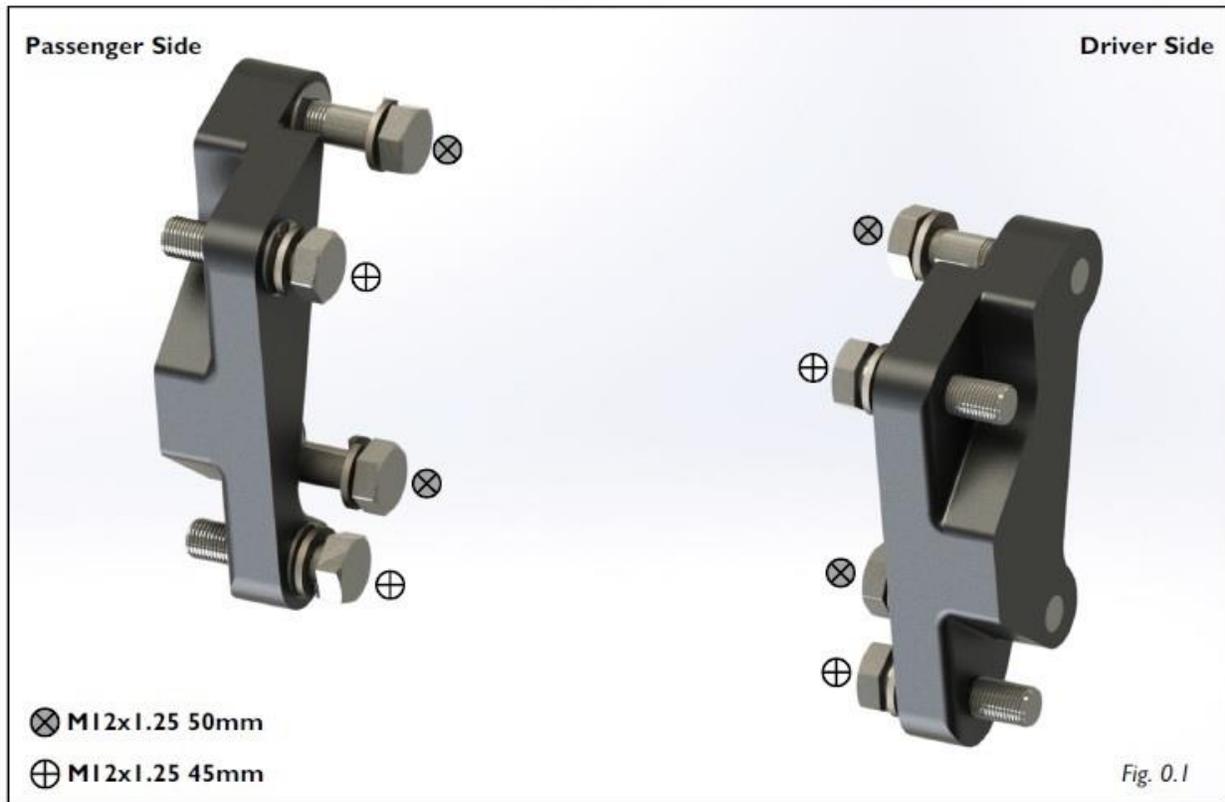
#### Installation Note #1:

*Be careful when depressing the brake caliper pistons. DO NOT damage the brake caliper piston dust seals. Pay close attention to the Brake Master Cylinder Reservoir. Displaced brake fluid will fill up the reservoir. If fluid has been added the system it may leak out onto the body panels. Be sure to clean up all Brake Fluid spills immediately.*

5. Locate the two Z1 Motorsports 300zx Brembo Brake Brackets.

#### Installation Note #2:

*The Z1 Motorsports 300zx Brembo Brake Brackets are specific to Driver and Passenger sides. Refer to Figure 0.1 for bracket positions.*



6. Align the Brake Bracket with the holes on vehicle's King Pin (The factory mounting points for the OEM 300zx Brake Caliper)
7. Insert the (2) M12-1.25 x 50mm bolts (with lock washer & flat washer) though King Pin and thread into the Brake Bracket. It is recommended that a thread locking compound (Loctite ®) is used. Evenly torque the two bolts in repeating series between 50 ~ 55 ft/lbs to ensure that the bracket is bolted on properly.
8. Install the 12.75" Brake Rotor onto the hub assembly. Using a set lug nuts, torque the lug nuts between 72 ~ 87 ft/lbs. This will ensure that the rotor is properly seated during the installation of the brake caliper. This is required so that the proper spacing is achieved between the brake caliper and the rotor.
9. Seat the brake caliper over the Rotor and align threaded holes with Brake Bracket holes.
10. Insert the (2) M12-1.25 x 45mm bolts through the Brake Brackets and thread into the original mounting points of the stock brake caliper. It is recommended that a thread locking compound (Loctite ®) is used. Evenly torque the two bolts in repeating series between 72 ~ 87 ft/lbs to ensure that the bracket is bolted on properly.
11. Check the clearance between the rotor disc and the front brake dust shield. If you see that the disc is coming in contact with the dust shield, pry/bend the shield away to create the appropriate amount of clearance.
12. Repeat steps # 4 through 11 to opposite side front brake caliper.
13. Re-install any previously removed hardware and wheels.
14. Perform a final test drive of the vehicle.

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