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Carrollton, GA 30116

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## 370Z / G37 Solid Differential Bushing Set Installation Manual



### **PROLOGUE:**

Study these instructions completely and thoroughly before proceeding to assemble. Installation can be completed using common tools and automotive procedures. 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 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 when servicing your vehicle. If you have any questions regarding the installation or various components included with the Z1 Motorsports 370Z /G37 Solid Differential Bushing Set, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

## Parts Included:

| Item | Quantity | Description                            |
|------|----------|--|
| 1    | 1        | Rear Solid Differential Bushing        |
| 2    | 2        | Front Upper Solid Differential Bushing |
| 3    | 2        | Front Lower Solid Differential Bushing |

## Recommended Tools:

- Ratchet
- Assorted metric Sockets
- Hammer
- Rubber Mallet
- 34mm Socket (Deep)
- Z1 Solid Differential Bushing Install Tool
- Torque Wrench

## 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.

### **\*BEFORE YOU BEGIN!**

*Remove contents from the Z1 Motorsports 370Z / G37 Solid Differential Bushing Set and verify that ALL necessary hardware is present. Z1 Recommends freezing all Differential Bushings before installation. This will allow the material to contract and ease the installation process.*

## Procedure:

1. Assure the car's engine is turned off and place transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply Parking Brake.
2. Raise and support vehicle. Locate proper jacking points on vehicle's Chassis (Refer to vehicle's Owner's Manual).
3. Please refer to Nissan 370Z Factory Service Manual (FSM) for Differential assembly removal procedure. Subframe assembly without Differential is as shown:



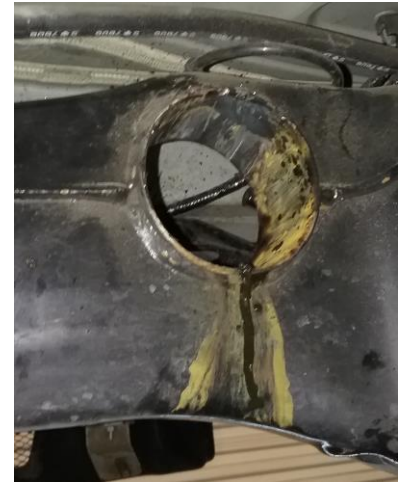
4. Remove Factory Rear Differential Bushing.

**Note:** Rear Bushing is hydraulic-filled and will leak oil once broken.

5. Clean Bushing Area of Subframe. Remove sharp edges that may be present.

6. Locate Z1 Solid Rear Differential Bushing.

7. Install Solid Rear Differential Bushing. Place Bushing at front side of Subframe and orient such that tapered end is facing the rear of vehicle. Use of the Z1 Differential Bushing Install Tool is recommended for installation of Solid Differential Bushing. If you have purchased a Differential Bushing Installation tool, please refer to the instructions provided.



**Note:** Do NOT use a hammer to Tap Solid Bushing into position.

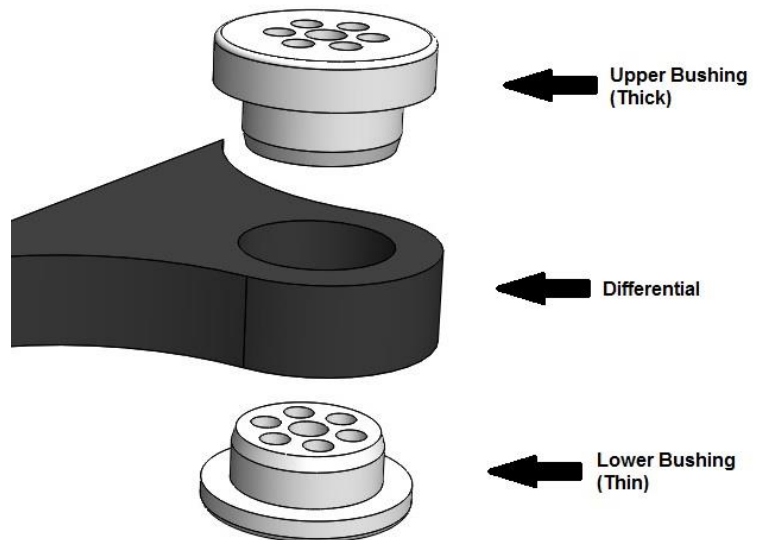
8. Using a 34mm Socket (or equivalent) and Hammer, tap factory Front Differential Bushings out of the differential.

9. Using a Rubber Mallet, tap Z1 Front Differential Bushings into differential (as shown).

10. Please refer to Nissan 370Z Factory Service Manual (FSM) for Differential assembly installation procedure.

11. Carefully lower vehicle.

12. 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