

Z1 URETHANE DIFFERENTIAL BUSHING SET INSTALLATION MANUAL



| This Installation Manual is intended for the following models: | |
|--|--------------|
| 2003-2008 | Nissan 350Z |
| 2009-2020 | Nissan 370Z |
| 2003-2007 | Infiniti G35 |
| 2007-2015 | Infiniti G37 |
| 2014-2016 | 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 Urethane Differential Bushing Set, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

Parts Included:

| Item | Quantity | Description |
|------|----------|---|
| 1 | 1 | Urethane Rear Differential Bushing |
| 2 | 1 | Rear Differential Bushing Collar |
| 3 | 2 | Front Upper Urethane Differential Bushing (if applicable) |
| 4 | 2 | Front Lower Urethane Differential Bushing (if applicable) |
| 5 | 2 | Front Differential Bushing Sleeve (if applicable) |
| 6 | 2 | Front Differential Washer (if applicable) |

TOOLS REQUIRED:

- Ratchet
- Assorted Metric Sockets
- Hammer
- Z1 OEM Differential Bushing Removal Tool
- Rubber Mallet
- 34mm Deep Well Socket
- Torque Wrench
- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands

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 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 Urethane 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 ignition is in the OFF position and the NEGATIVE (-) battery terminal is disconnected.
2. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
3. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.
4. Please refer to Nissan Factory Service Manual (FSM) for differential assembly removal procedure.

Subframe assembly without differential is as shown:



- Remove factory rear differential bushing. Z1 recommends use of the Z1 OEM Differential Bushing Removal Tool to remove the OEM bushing. If you have purchased a Z1 OEM Differential Bushing Removal Tool, please refer to the instructions provided.

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

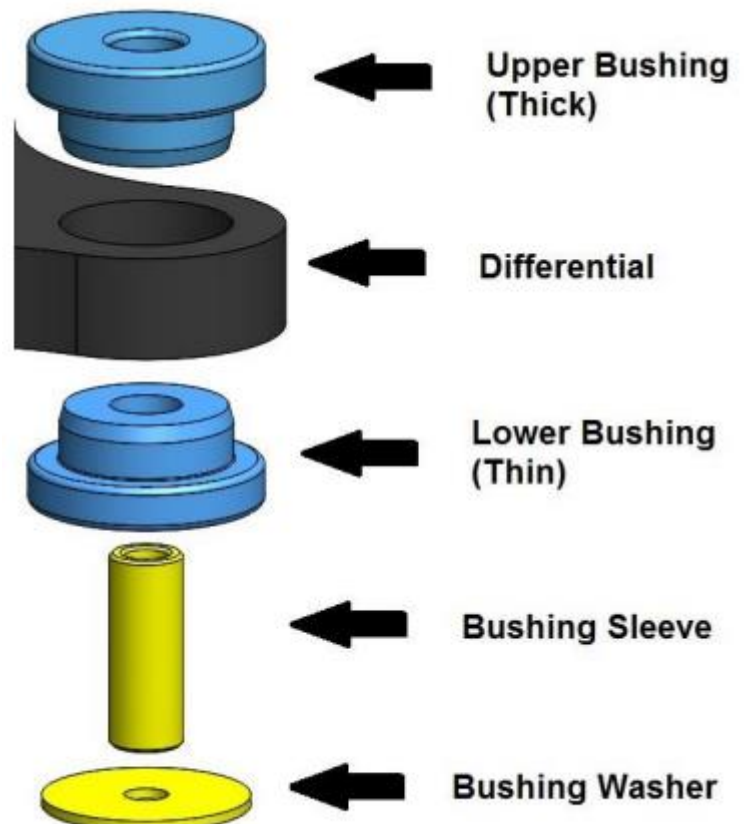
- Clean bushing area of subframe. Remove sharp edges that may be present
- Locate Z1 Rear Urethan Differential Bushing. Place bushing at front side of subframe and orient such that tapered end is facing the rear of vehicle.
- Using a rubber mallet, tap rear differential bushing into subframe.
- Locate rear differential collar. Insert collar through bushing from backside of subframe. Be careful not to push bushing out of subframe as you tap.
- Using a rubber mallet, tap collar into bushing until it is flush with bushing.



Note: Assure bushing and collar are flush inside of subframe.

The following instructions are for installing Z1 Front Urethane Differential Bushing Set. If you have purchased the Z1 Rear Urethan Bushing Only, skip to step 15.

- Using a 34mm socket (or equivalent) and a hammer, tap factory front differential bushings out of differential.
- Clean bushing area of subframe. Remove sharp edges that may be present.
- Press upper and lower differential bushings into differential (as shown).
- Locate and press bushing sleeve through upper and lower bushings.
- Please refer to Nissan FSM for differential assembly installation procedure.
- Carefully lower vehicle.
- Perform a final test drive of the vehicle.



Note: Be sure to use supplied Z1 Bushing Washers if you have installed Z1 Front Differential Bushings.

END

Additional Technical Support:

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