

# Z1 MOTORSPORTS VQ35DE 75MM THROTTLE BODY UPGRADE KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2003-2006	Nissan 350Z
2003-2007	Infiniti G35 Coupe
2003-2006	Infiniti G35 sedan
2003-2008	Infiniti FX35

## 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 VQ35DE 75mm Throttle Body Upgrade Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

## **Parts Included:**

Item	Quantity	Description
1	1	Wiring Harness
2	1	Throttle Body Adapter
3	1	Gasket, Throttle Body Side (Larger Gasket)
4	1	Gasket, Intake Manifold Side (Smaller Gasket)
5	4	Socket Head Bolt, M6x1.0, 20mm
6	4	Socket Head Bolt, M6x1.0, 55mm
7	1	Z1 75mm Throttle Body

## **TOOLS REQUIRED:**

- Ratchet
- Ratchet Accessories
- Screwdriver
- 5mm Allen Bit

## **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 VQ35DE 75mm Throttle Body Upgrade Kit and verify that ALL necessary hardware is present.

## **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. Unlatch and raise vehicle's hood. Apply hood prop.
4. Remove intake piping from vehicle.
5. Remove factory throttle body from intake manifold by removing (4) socket head bolts.

Note: Do not touch or move the "butterfly valve" (the large plate at the center of the throttle body) during any part of installation.

6. Install throttle body adapter by bolting adapter to intake manifold using supplied 20mm bolts. Be sure to install the "intake manifold side" gasket between adapter and intake manifold. Torque to 7ft-lbs.

7. Install 75mm throttle body using (4) supplied 55mm bolts. Be sure to install the “throttle body side” gasket between throttle body and adapter. Torque to 7ft-lbs.
8. Plug the green connector on the adapter harness into stock wiring harness.
9. Plug the black connector on the adapter harness into the 75mm throttle body.
10. Reinstall intake.

Note: Be sure to tighten all clamps. Assure the MAF is plugged in if removed during step 4.

11. Perform the Accelerator Pedal Released Position Learning, Throttle Valve Closed Position Learning, and Idle Air Volume Learning procedures by following the steps provided in your Factory Service Manual (FSM). This can be found in the “EC” section of your vehicles FSM, under the “Basic Service Procedures” section. Please note this process involves doing a timed “Pedal Dance” inside of the car, and may take a couple of tries to get correct.
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