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Z1 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)

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 350Z/G35 High Flow Intake Kit, consult with a Professional Mechanic, or contact Z1 Motorsports for more information.

PRODUCT OPTIONS:

TUBE COLORS:

Carbon



COUPLER COLORS:

Black
Red
Blue



Parts Included:

Item	Quantity	Description
1	1	Z1 Air Filter
2	1	Z1 Velocity Stack
3	1	“Z” Tube Intake Pipe
4	1	Large Hose Clamp
5	2	Z1 Coupler
6	4	Medium Hose Clamp
7	4	10mm Bolt
8	4	Locking Washer

TOOLS REQUIRED:

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- 10mm Socket/Wrench
- 8mm Nut Driver
- 12mm Socket/Wrench
- Ratchet
- Ratchet Extension (minimum 6")
- Silicone Spray

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 350Z / G35 High Flow Intake Kit and verify that ALL necessary hardware is present.

PROCEDURE:

1. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
2. Raise and support the hood of the vehicle.

NOTE: Use *Figure 1* below as a reference for Steps 3-8.

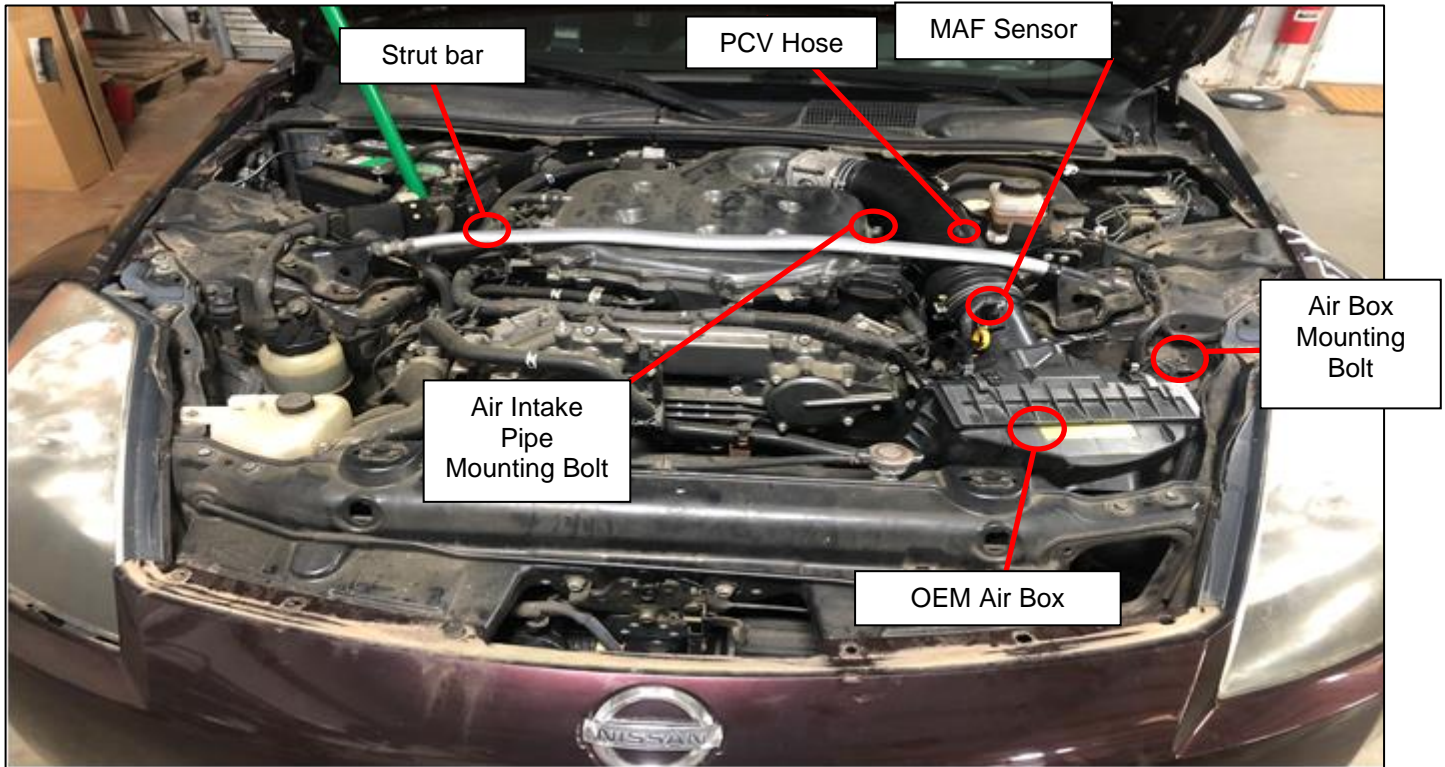


Figure 1

3. Remove the (6) six bolts and (2) two hex nuts which secure the Strut Bar to the chassis. Remove the Strut Bar and set it aside.
4. Unplug the MAF Sensor Connector and loosen the vehicle's electrical harness clips on the passenger side. *Figure 2.*

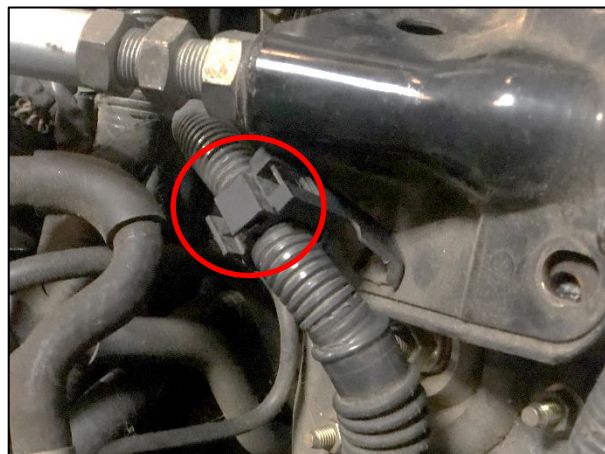


Figure 2

5. Remove the Air Box Mounting Bolt. *Figure 1.*
6. Remove the Air Intake Mounting Bolt. *Figure 1.*
7. Loosen the Hose Clamp at the Throttle Body.
8. Loosen the Hose Clamp and remove the PCV Hose from the Air Intake Piping.
9. Using a light pull motion, remove the Air Box, MAF Housing, and Air Intake Piping from vehicle as one unit. *Figure 3.*



Figure 3

10. Loosen the Hose Clamp connecting the Air Intake Piping to the MAF Housing.
11. Remove the Air Intake Piping from the Air Box and MAF Housing.
12. Remove the (4) four 10mm bolts connecting the MAF Housing to the Air Box and remove the MAF Housing.
13. Locate the Z1 Air Filter, Velocity Stack, (1) one Large Hose Clamp, (4) four 10mm bolts and (4) four Locking Washers. Insert the Velocity Stack into the Air Filter until it is completely flush with the top of the Air Filter. Silicone Spray may be needed to help install the Velocity Stack. *Figure 4.*

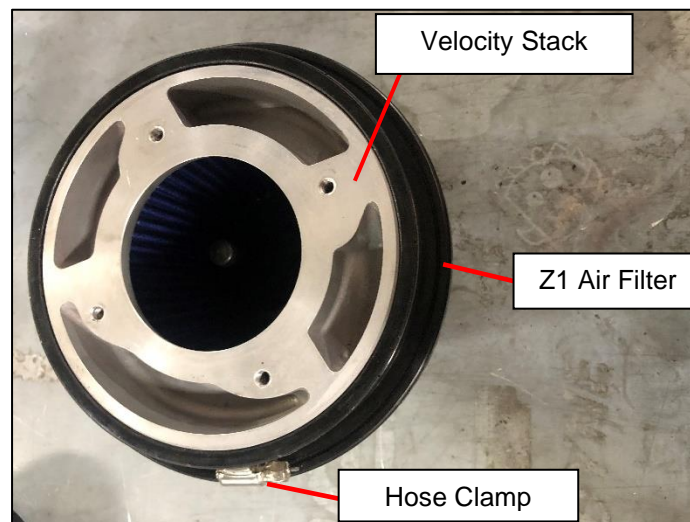


Figure 4

14. Install the Large Hose Clamp around the Air Filter and tighten to secure it. *Figure 4.*
15. Align the holes of the Velocity Stack with the holes of the MAF Housing. Install and tighten the supplied (4) four 10mm bolts and lock washers through the MAF Housing and Velocity Stack holes.
16. Locate (1) one Coupler and (1) one medium Hose Clamp. Install the Coupler onto the Throttle Body then install the Hose Clamp over the Coupler and tighten. *Figure 5.*



Figure 5

17. Locate (1) one “Z” Tube Intake Pipe, and (1) one medium Hose Clamp. Position the loose Clamp over the Throttle Body Coupler and slide in the “Z” Tube Intake Pipe. The PCV Hose Inlet should be facing downward on the “Z” Tube Intake Pipe. Do not tighten the hose Clamp at the Coupler yet.

NOTE: Use of Silicone Spray or another dissolvable lubricant is recommended for all assembly which involves silicone couplers and hoses.

18. Slide the PCV hose connecting to the Inlet Tube onto the “Z” Tube Intake Pipe.
19. Adjust the “Z” Tube as necessary and tighten the Hose Clamp at the Throttle Body.
20. Locate (1) one Coupler and (2) two medium Hose Clamps. Position the Coupler over the MAF Housing and place the Hose Clamp over the Coupler. Tighten the Hose Clamp to secure the Coupler to the MAF Housing.

21. Position (1) one Hose Clamp on the other end of the Coupler, but do not tighten the Hose Clamp yet. *Figure 6.*



Figure 6

22. Slide the Coupler with the MAF Housing and Air Filter onto the “Z” Tube Intake Pipe. The MAF Sensor should be facing upwards. Adjust as necessary and tighten the Hose Clamp on the Coupler.
23. Plug in the MAF Sensor Connector.
24. Re-install the Strut Bar.
25. Ensure all bolts and clamps are securely tightened and electrical connections are plugged back in. Inspect the vehicle for loose components or issues.
26. Start the vehicle. While at idle, check for leaks or faulty operation of Air Intake Kit.

27. Locate the C.A.R.B. Exemption Sticker. The sticker must be readily visible under the hood for an Emissions Inspector to easily see it when the vehicle is required to be tested for emissions. It is **NOT** recommended to affix the label to any equipment that is easily removable from the vehicle. Select a suitable location (underside of the hood, Radiator Shroud, Core Support, etc.). Clean the area to remove all debris and dust and apply the sticker to the vehicle. *Figure 7.*

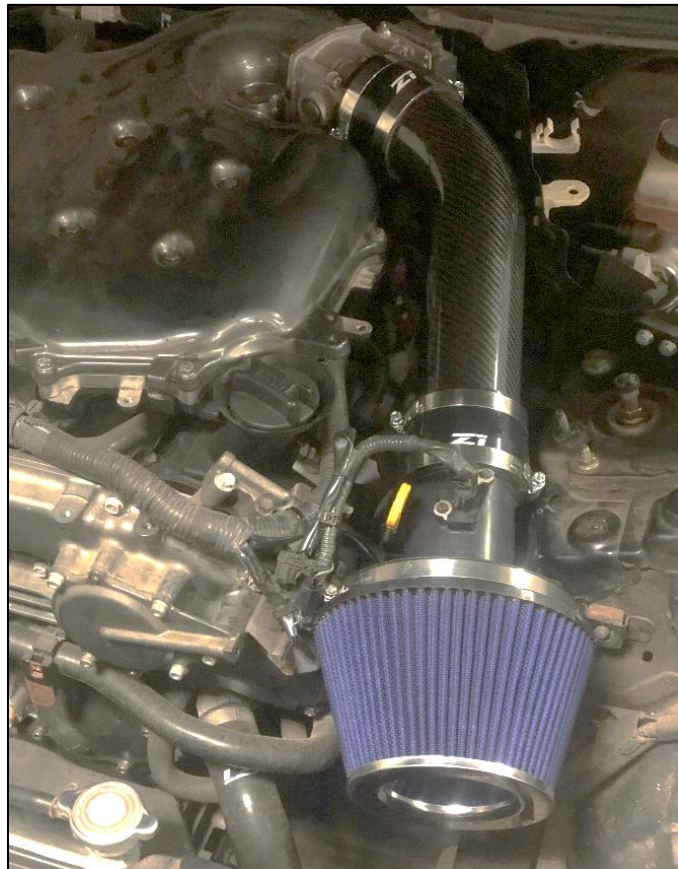


Figure 7

28. Inspect vehicle for loose tools/items

29. Lower hood of vehicle.

30. Perform a final test drive of vehicle.



END

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