

# Z1 370Z / G37 AIR INTAKE UPGRADE KIT INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2009-2020	Nissan 370Z
2008-2015	Infiniti G37
2014-2016	Infiniti Q60

## NOTICE:

The following kit has been developed and tested with US Model 370Zs. Repositioning, modification, and/or removal of front-end components may be required when used on a Nismo Edition Model 370Z or other models.

## 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 370Z / G37 Air Intake Upgrade Kit, consult with a Professional Mechanic or contact Z1 Motorsports for more information.

## **Parts Included:**

Common Components		
Item	Quantity	Description
1	2	Pop Charger Filter Element with Clamp
2	2	Velocity Stack with Hardware
3	2	3.0" Velocity Stack Upgrade Adapter
Z1 Upgrade Kit		
Item	Quantity	Description
4	2	Hose Clamp, 3"
5	2	Hose Clamp, 2.5"
6	2	Silicone Reducer, 3"
Stillen Upgrade Kit		
Item	Quantity	Description
7	4	Hose Clamp, 3"
8	2	Silicone Coupler, 3"

## **TOOLS REQUIRED:**

- Hydraulic Jack
- (2) 2-Ton (or greater) Jack Stands
- Ratchet
- Ratchet Extension(s)
- Wheel Chock
- Flat-head Screwdriver
- Gloves
- Silicone Spray
- 10mm Socket
- 14mm Socket
- 8mm Nut Driver

## **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 370Z / G37 Air Intake Upgrade Kit and verify that ALL necessary hardware is present.

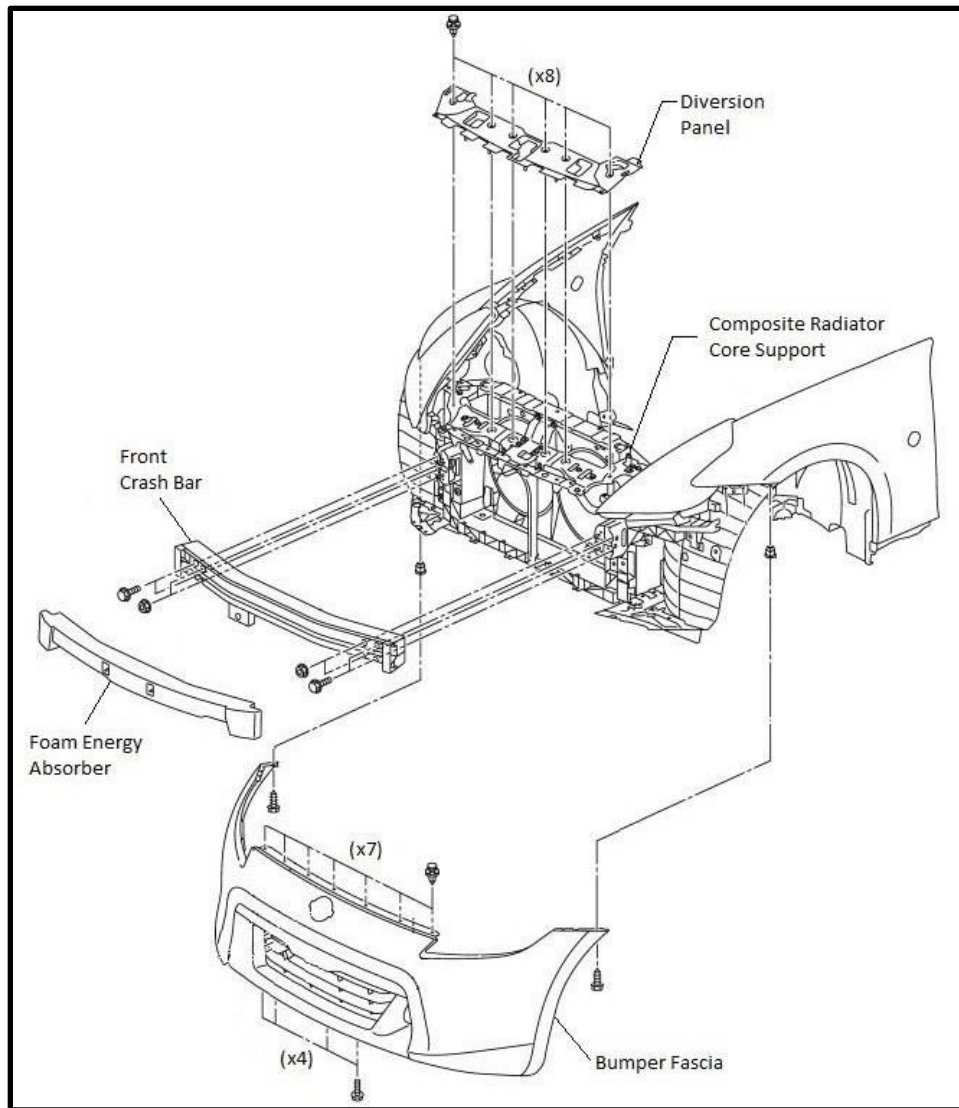
## **PROCEDURE:**

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. Locate proper jacking points on vehicle's chassis (refer to vehicle's Owner Manual). Raise and support vehicle using jack & jack stands.

4. Unlatch and raise vehicle's hood. Apply hood prop.

Use the diagram below as reference for the following steps:

Note: Steps 5-9 refer to 370Z models. Please refer to Factory Service Manual for other models.



5. Remove (4) bolts located along center which attaches lower windage tray to bumper fascia.
6. Remove plastic clips and peel back front wheel liner to reveal (1) mounting screw at each side of vehicle which mounts bumper fascia to the vehicle. Remove mounting screws.

Note: Turn front wheels of vehicle to the inside of the side you are working on for increased accessibility.

7. Remove (7) plastic clips attaching bumper to top center of composite radiator core support.
8. With a light pull motion, carefully remove bumper fascia from vehicles and set aside.
9. Remove air filters from existing intake kit.
10. Remove (4) bolts and (4) hex nuts securing front crash bar to chassis. Remove and set aside crash bar.

11. Install modified crash bar.

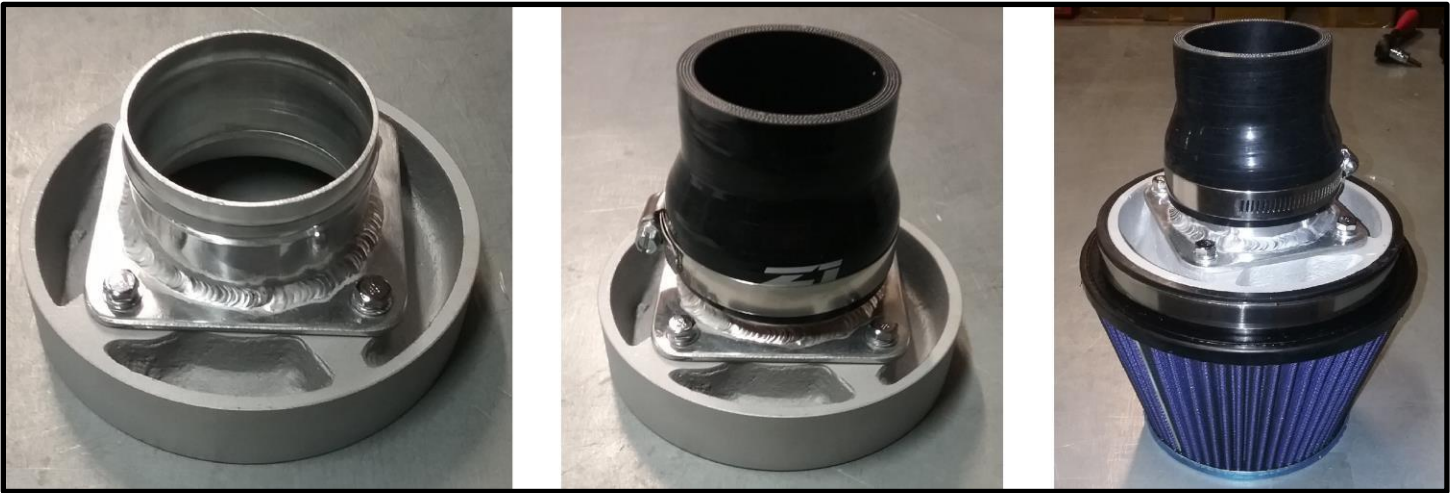
Note: See images provided on last page for specifications on how to modify the OEM front crash bar. Z1 also offers a modification service with a 10 day lead time. Do NOT drive your vehicle without a front crash bar.

12. Locate Z1 Air Intake Upgrade Kit components. Place Z1 Velocity Stack to 3" coupler adapter behind velocity stack. Insert (4) bolts through adapter and thread into velocity stack (as shown). Tighten.

13. Slide Silicone Reducer and clamp over Velocity Stack Adaptor (as shown). Tighten clamp.

Note: Use of Silicone Spray may ease fitment of silicone components onto all tube fittings.

14. Slide Z1 Air Filter Element with Clamp over Velocity Stack (as shown). Tighten Clamp.



15. Insert Z1 2.5" diameter union onto existing air intake hose. Slide clamp over hose. Tighten clamp.

Note: this step only applied to Z1 Motorsports and similar brand of air intake kits.

16. Slide reducer & clamp of the velocity stack assembly over the union or existing air intake piping. Tighten clamp.

17. Repeat steps #12 through 16 for the opposite side air filter assembly.

Completed assembly of 370Z air intake upgrade kit should look as shown:



18. Start vehicle. While at idle, check for leaks or faulty operation of air intake kit.
19. Follow steps #5 through #9 in reverse order to re-install front bumper fascia.
20. Locate the C.A.R.B. exemption sticker. The sticker must be readily visible under the hood in order 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.



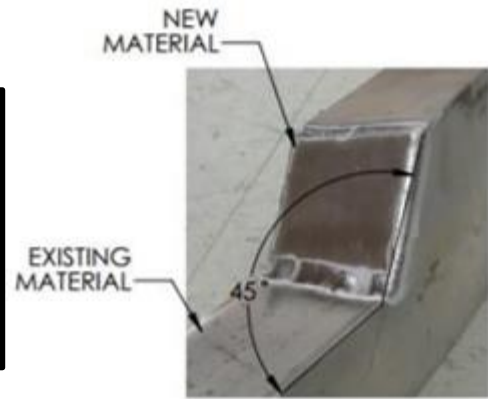
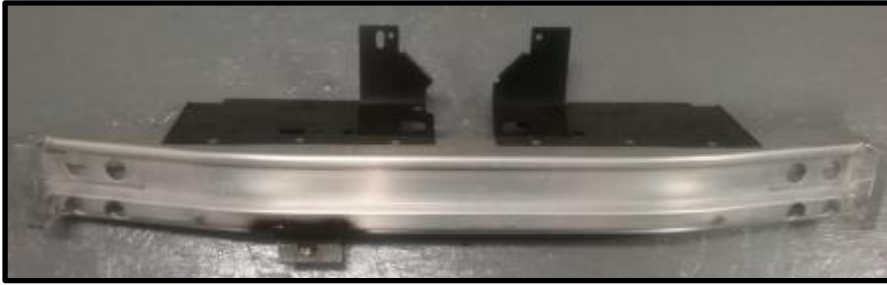
21. Select a suitable location (strut tower, underside of hood, radiator shroud or core support, etc.). Clean the area to remove all debris and dust. Apply the sticker to vehicle.
22. Inspect vehicle for loose tools/items
23. Lower hood of vehicle.
24. Properly lower vehicle from jack stands.

**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

## 370Z Crash Bar Modification Specifications

Note: Nismo model vehicles have a plate riveted to the crash bar (as shown). To utilize the Z1 Air Intake Kit, this plate will need to be modified or removed.



WELDING DETAIL

