

Z1 A60 TITAN COLD AIR INTAKE INSTALLATION MANUAL



This Installation Manual is intended for the following models:	
2004-2015	Nissan Titan

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 Off-Road A60 Titan Cold Air Intake, consult with a Professional Mechanic or contact Z1 Off-Road for more information.

PARTS INCLUDED:

Item	Quantity	Description
1	1	Intake Tube
2	1	MAF Gasket
3	1	MAF Flange
4	1	Airbox
5	2	Airbox Grommet
6	1	Filter (w/ worm gear clamp)
7	1	Filter Grommet
8	1	Fender Grommet
9	1	Throttle Body Coupler
10	2	Pinch Hose Clamps
11	2	HD Hoseclamp - Worm Gear Clamp
12	1	Crankcase Ventilation Hose 1
13	1	Crankcase Ventilation Hose 2
14	2	M4 x 14mm Bolts

TOOLS REQUIRED:

- Pliers
- Ratchet
- 10mm Socket/Wrench
- 3mm Allen Key/Bit
- Flat-head Screwdriver
- Philips-head Screwdriver

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.

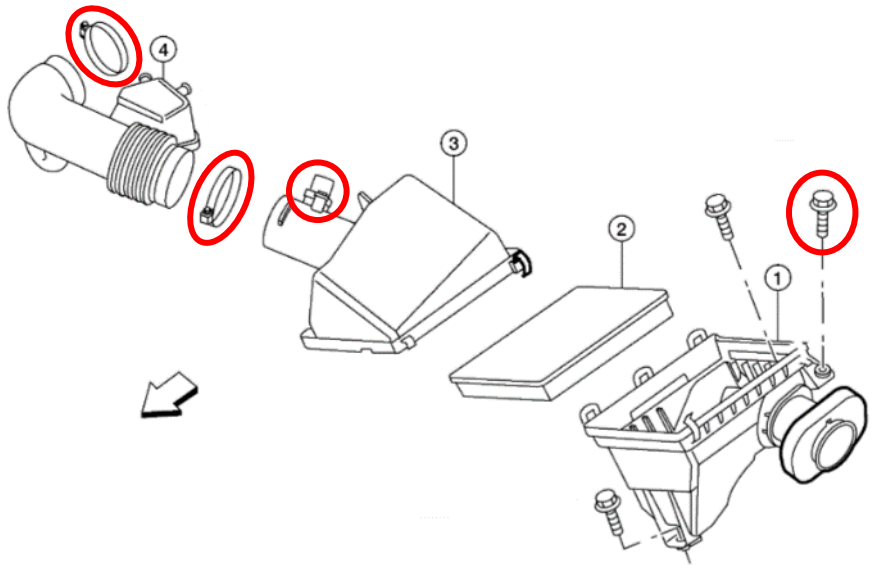
BEFORE YOU BEGIN:

Remove contents from the Z1 Off-Road A60 Titan Cold Air Intake Kit and verify that ALL necessary hardware is present.

PROCEDURE:

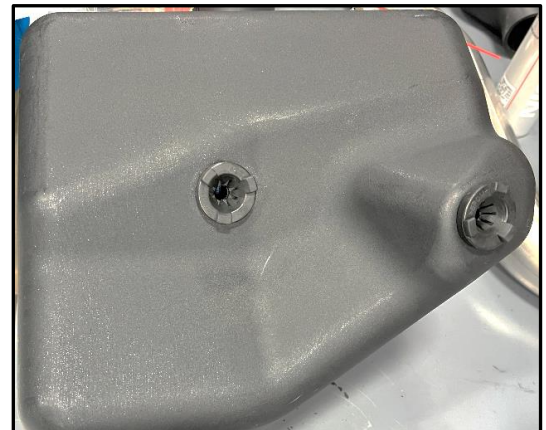
1. Assure the car's ignition is in the OFF position and the NEGATIVE (-) battery terminal is disconnected.
2. Place the transmission in Park position (or in Reverse gear if equipped with a manual transmission). Apply the parking brake.
3. Unlatch and raise vehicle's hood.

4. If present, remove (2) bolts on engine cover and remove engine cover from vehicle.
5. Loosen hose clamps and remove the (2) hoses connected to the resonance chamber on the air intake tube (4). Remove the other end of the hoses from the valve covers.
6. Disconnect MAF connector just behind air box (circled at right).
7. Loosen both hose clamps on air intake tube (circled at right).
8. Remove air intake tube from throttle body and air box.



9. Remove (1) bolt connecting air box to chassis (circled above).
10. Pull up to remove air box assembly. There are (2) grommets in the air box that slide over (2) bolts on the chassis. Do not remove these bolts as they will be used later.
11. Locate Z1 Airbox, (2) airbox grommets, fender grommet, and filter grommet.

12. Install the (2) small airbox grommets into the holes on the bottom of the Z1 airbox (as shown at right).
13. Position fender grommet in large hole in driver fender with the longer end pointing towards the engine bay and Z1 logo on top (as shown below).
14. Install the large round fender grommet into the large hole on the Z1 airbox, making sure the grommet is seated on the inside and outside of the box (as shown below).



15. Install airbox assembly into vehicle. Make sure the fender grommet sits around the inlet port on the airbox, and the bottom air box grommets sit on the studs in the chassis.



16. Locate Z1 Intake Tube, filter, (2) HD hoseclamps, throttle body coupler, MAF gasket, MAF flange, and (2) M4 x 14mm screws.
17. Attach the larger side of the coupler to the short end of the Z1 intake tube, secure with (1) HD hoseclamp (as shown below).
18. Attach the filter to the longer straight end of the Z1 intake tube, secure with hoseclamp supplied with filter (as shown below).
19. Remove (2) screws and transfer MAF sensor from OEM intake tube to new Z1 intake tube. Be sure to use the new provided M4 x 14mm screws, as well as the provided MAF gasket and flange (as shown below).

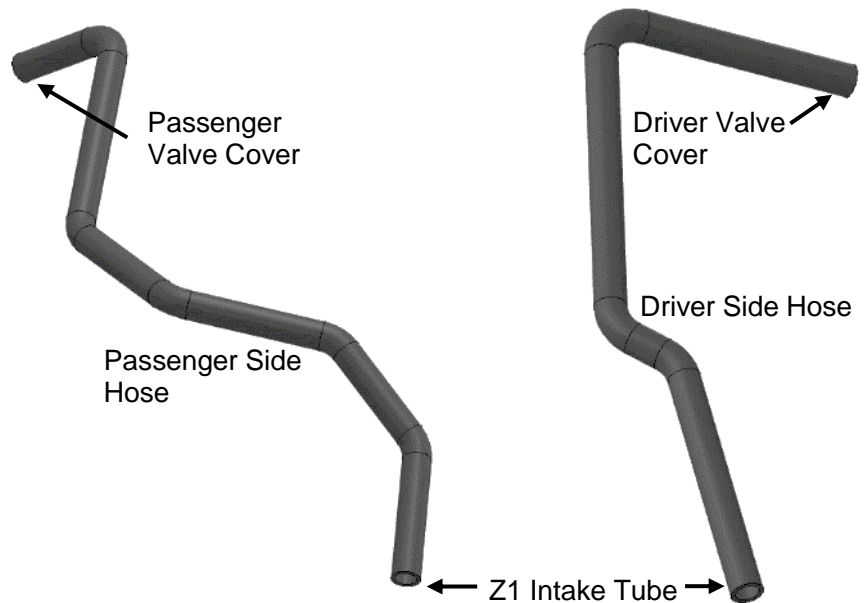


Note: Ensure arrow is pointing in the direction of airflow.

20. Install filter and intake tube assembly into airbox making sure the filter is seated on the filter grommet in the airbox.
21. With (1) HD hoseclamp, install the throttle body coupler onto the throttle body. Do not tighten clam yet.
22. Locate both new Z1 crankcase ventilation hoses.

23. Install the new hoses onto their respective valve covers according to the diagram at right, using the same ports the OEM hoses were removed from in step # 5.

24. Reusing the OEM hose clamps, attach the new Z1 crankcase ventilation hoses to the Z1 air intake tube.



25. Reconnect MAF sensor connector that was removed in step # 6.
26. Tighten hose clamp at throttle body.
27. Completed installation of the Z1 Off-Road Titan Cold Air Intake should look as shown below:



28. Inspect vehicle for loose tools/items.
29. Start vehicle. While at idle, check for leaks or faulty operation of Z1 air intake system.
30. Lower hood of vehicle.
31. Perform a final test drive of vehicle.

END

Additional Technical Support:
Contact Z1 Off-Road at info@z1offroad.com
Or call 678-839-8019 between 9am and 6pm ET