

Z1 A60 TITAN COLD AIR INTAKE INSTALLATION MANUAL



This Installation Manual is intended for the following models:

2004-2015

Nissan Titan (A60)

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 Box
2	1	Intake Tube
3	1	MAF Gasket
4	1	MAF Flange
5	2	Airbox Grommet
6	1	Air Filter w/ Clamp
7	1	Filter Grommet
8	1	Fender Grommet
9	1	Throttle Body Coupler
10	2	Hose Clamps
11	2	HD Worm Gear Clamp
12	1	PCV Hose 1
13	1	PCV Hose 2
14	2	M4 x 0.7 Bolt, 14mm
15	3	M6 x 1.0 Flanged Bolt, 10mm
16	1	Airbox Bracket
17	1	Isolating Mount
18	1	Isolating Mount Insert
19	1	Vibration Damping P-Clamp

TOOLS REQUIRED:

- Ratchet
- Ratchet Extension(s)
- Assorted Metric Sockets
- Assorted Metric Wrenches
- Screwdrivers
- Allen/Hex Keys
- Pliers

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.
- Always turn the ignition to the OFF position and disconnect the NEGATIVE battery terminal.
- 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 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. Open and support the hood of the vehicle.
3. If present, remove the (2) two bolts on the Engine Cover and remove the Engine Cover from the vehicle.
4. Loosen the (2) two Hose Clamps securing the Intake Tube to the Air Box and Throttle Body. *Figure 1.*

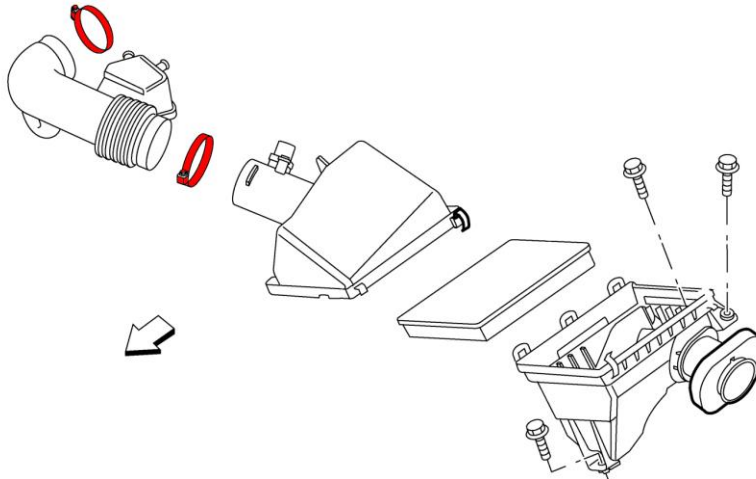


Figure 1

5. Remove the (2) two PCV Hoses connected to the Intake Tube and remove the other ends from the Valve Cover. *Figure 2.*

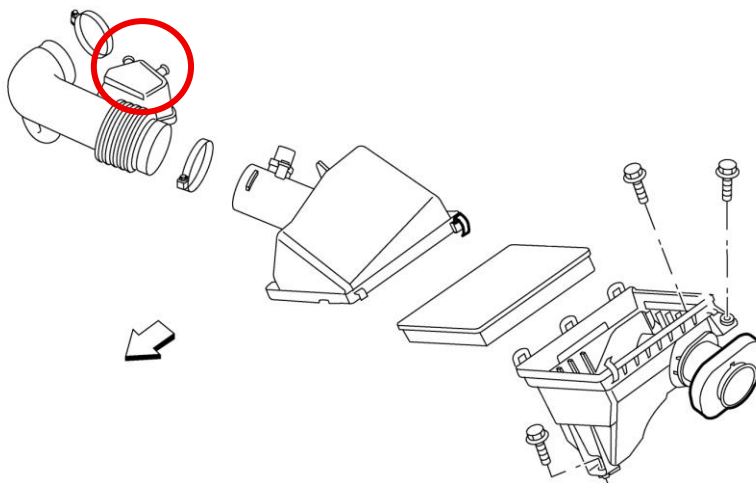


Figure 2

6. Disconnect the MAF Sensor Connector behind the Air Box. *Figure 3.*

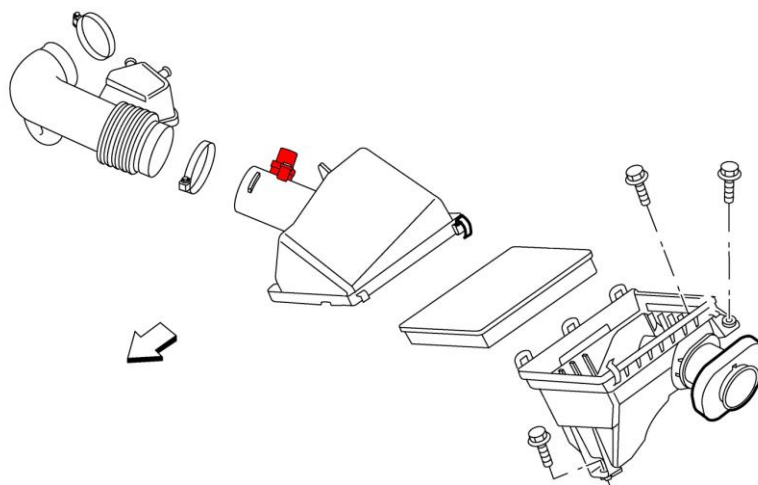


Figure 3

7. Remove the Air Intake Tube from the Throttle Body and OE Airbox. *Figure 4.*

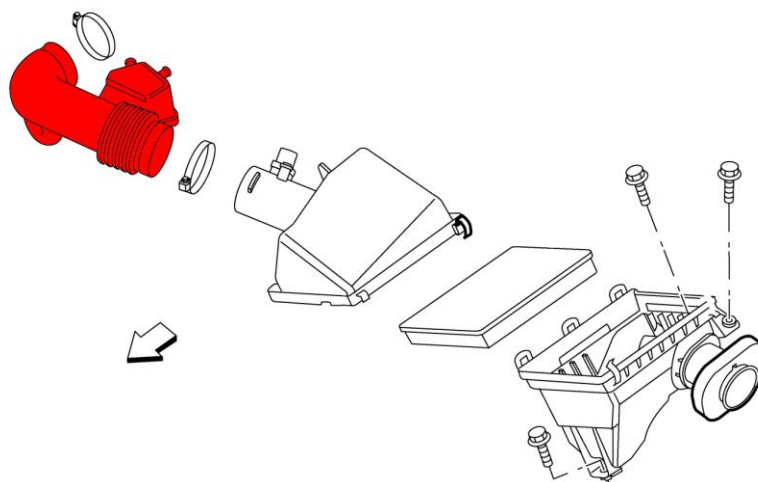


Figure 4

8. Remove the (1) one bolt securing the Airbox to the chassis of the vehicle. *Figure 5.*

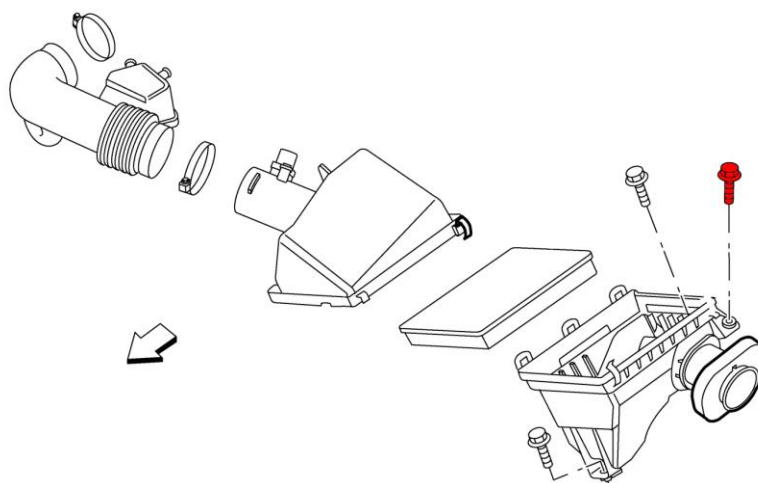


Figure 5

9. Pull up and remove the Airbox assembly. There are (2) two grommets in the Airbox that slide over (2) two bolts on the chassis. Do not remove these bolts as they are reused with the new Z1 Airbox.
10. Locate the Z1 Airbox, Airbox Bracket and (2) two M6 x 1.0 Flanged Bolts, 10mm. Attach the Bracket to the back of the Airbox with the (2) two M6 Bolts as shown. **DO NOT** overtighten the bolts as it can crack the Airbox. *Figure 6.*



Figure 6

11. Locate the Vibration Damping P-Clamp and M6 Socket Head Screw. Loosely attach the P-Clamp to the back of the Airbox as shown. This Clamp will secure the Differential Breather if you desire to keep it. *Figure 7.*



Figure 7

12. Locate the Isolating Mount and the Mount Insert. Install the Insert into the Isolating Mount, then install the Isolating Mount into the Airbox Bracket. *Figure 8.*



Figure 8

13. Locate the (2) two Airbox Grommets. Install them into the bottom of the Z1 Airbox. *Figure 9.*



Figure 9

14. Locate the Filter Grommet. Install the Grommet into the large circular hole of the Z1 Airbox. Make sure that it is properly seated on both the inside and outside of the Airbox. *Figure 10.*



Figure 10

15. Locate the Fender Grommet. Install the Grommet into the large opening on the Driver Side Fender. Make sure the longer end is within the engine bay and the Z1 Logo is on top. Ensure that the Grommet is fully seated on both sides of the fender. *Figure 11.*



Figure 11

16. Install the Z1 Airbox into the vehicle. Make sure the Airbox Grommets properly seat on the (2) two OE Bolts and that the inlet port of the Airbox goes into the Fender Grommet. *Figure 12.*



Figure 12

17. Locate the remaining M6 x 1.0 Flanged Bolt, 10mm. Install it through the Isolating Mount on the back of the Airbox and into the OE Bracket to secure the Airbox. *Figure 13.*



Figure 13

18. Locate the Z1 Intake Tube, Throttle Body Coupler and (1) one HD Worm Gear Hose Clamp. Place the Coupler onto the short end of the Intake Tube and secure with the Hose Clamp. *Figure 14.*



Figure 14

19. Attach the Air Filter to the other end of the Intake Tube and secure with the Hose Clamp on the Filter. *Figure 15.*

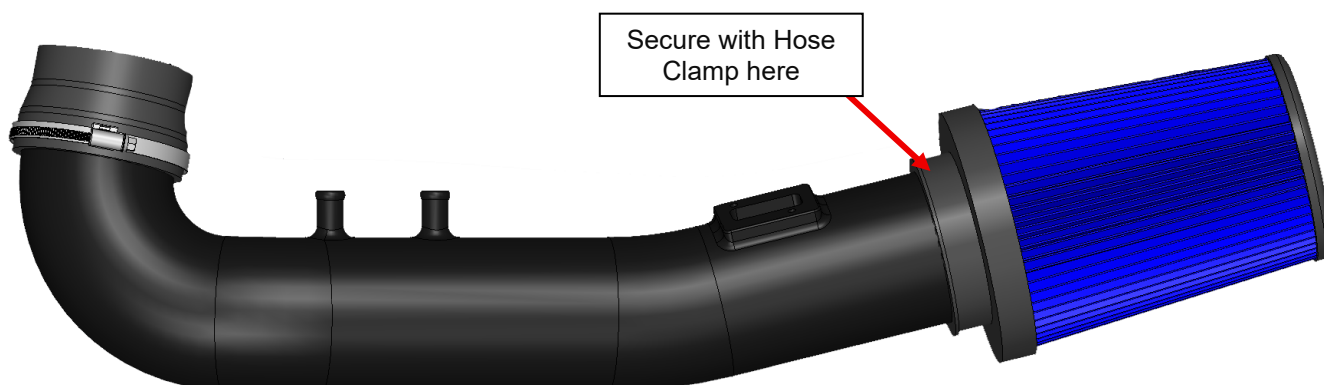


Figure 15

20. Remove the (2) two OE Screws securing the MAF Sensor to the OE Intake Tube and remove the MAF Sensor.
21. Transfer the MAF Sensor to the Z1 Intake Tube with a MAF Gasket and Flange. Make sure to orient it properly so the Arrow → is facing the direction of air flow. Use the new M4 x 0.7 Screws, 14mm to secure the MAF to the Intake Tube. *Figure 16.*

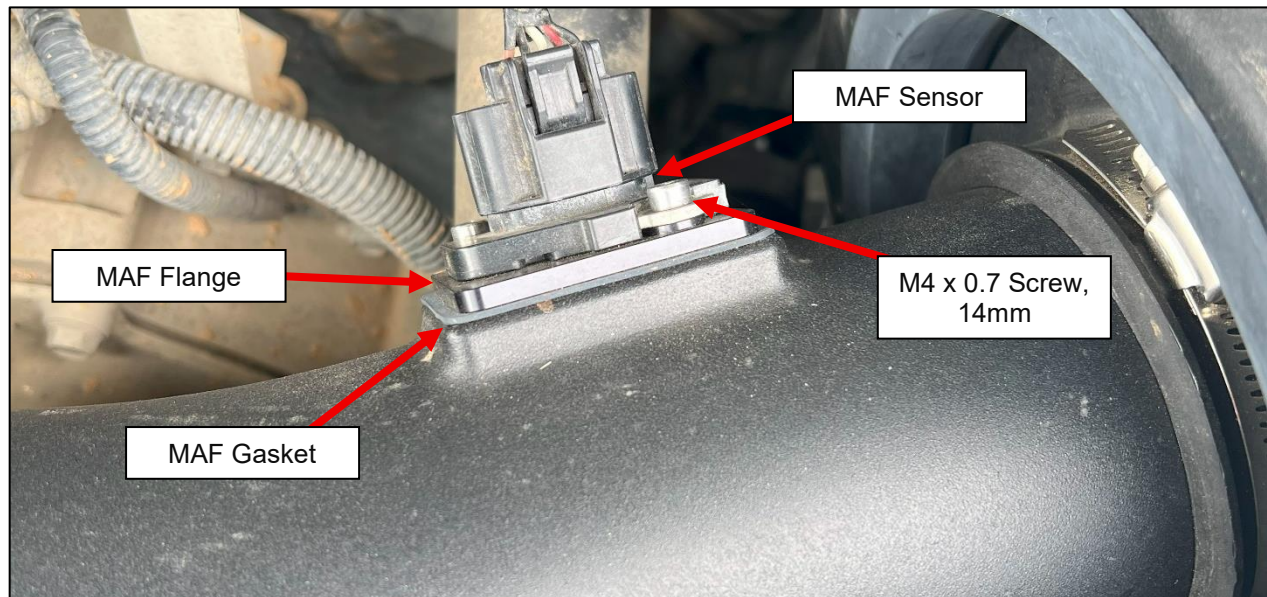


Figure 16

22. Install the Intake Tube Assembly into the Airbox, making sure the Filter is seated on the Filter Grommet in the Airbox. *Figure 17.*
23. Secure the Throttle Body Coupler onto the Throttle Body and loosely secure with the last HD Worm Gear Hose Clamp.
24. Locate both PCV Hoses. Install the Hoses onto their respective Valve Cover Ports using *Figure 17* below.

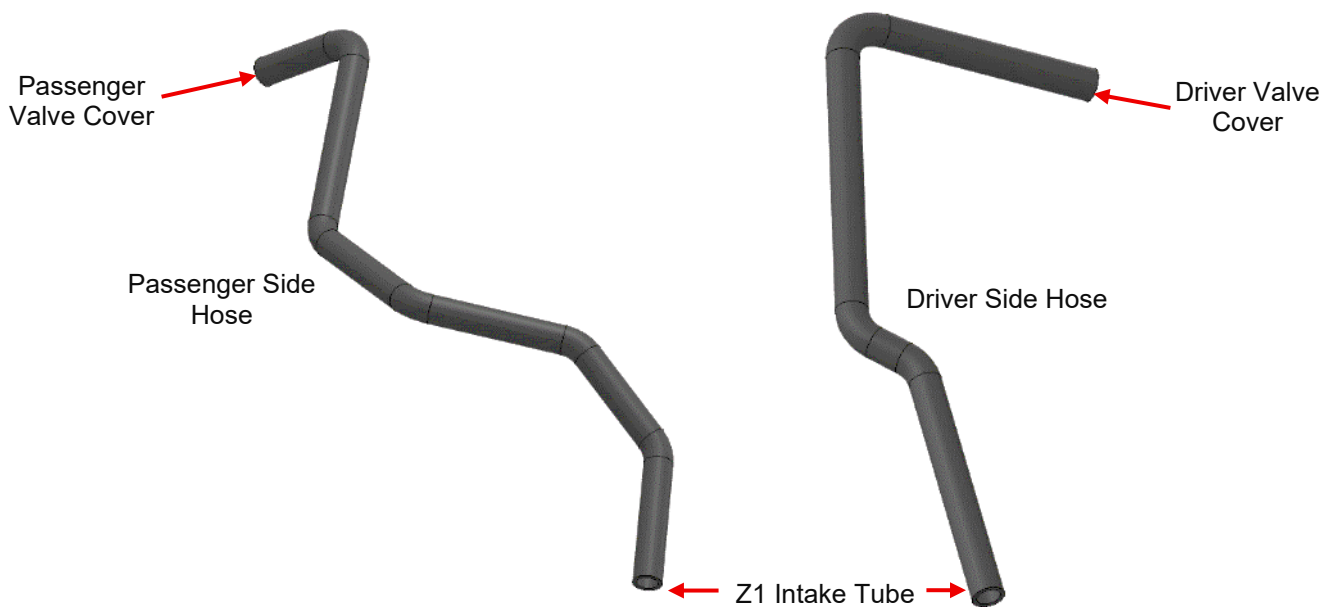


Figure 17

25. Reuse the OE Hose Clamps to secure the other end of the PCV Hoses to the Intake Tube.
26. Reconnect the MAF Sensor Connector that was disconnected in *Step 6*.
27. Tighten the Hose Clamp at the Throttle Body.
28. Route the Differential Breather Tube through the Vibration Damping P-Clamp on the back of the Airbox and tighten the bolt to secure it.
29. Start the vehicle. While idling, check for leaks or faulty operation of the Z1 Air Intake System.
30. Perform a final test drive of the vehicle.



Final installed Z1 A60 Titan Air Intake System

END

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