



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 21-677

2007-2008 NISSAN 350Z V6-3.5L C.A.R.B. E.O. # D-670-2

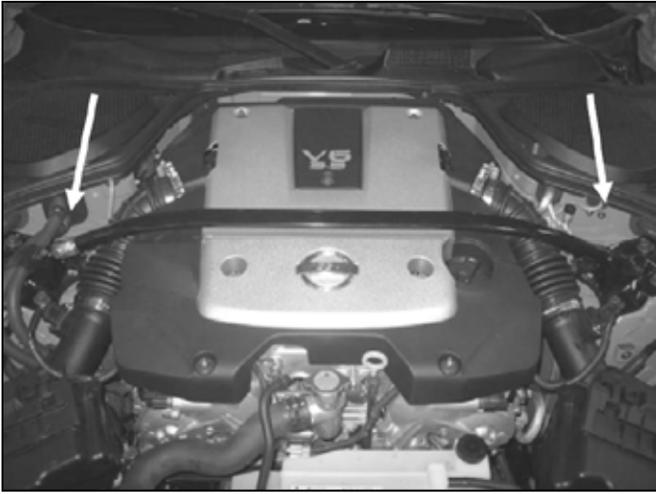
* **NOTE: Legal in California only for racing vehicles which may never be used upon a highway**

Read and understand these instructions **BEFORE** attempting to install this product. Failure to follow installation instructions and not using the provided hardware may damage the intake tube, throttle body and engine.

1. Preparing Vehicle

- a. Make sure vehicle is parked on level surface.
- b. Set parking brake.
- c. If engine has run in the past two hours, let it cool down.
- d. Disconnect negative battery terminal.
- e. Do not discard stock components after removal of the factory system.

2. Removal of stock system



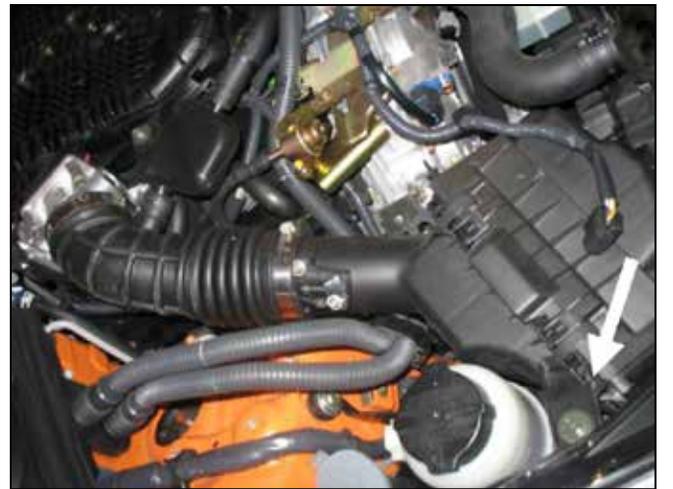
a. Stock intake system. Loosen and remove the bolts and nut on each side of the strut tower bar. Unclip the wire harness from each side. Remove strut tower bar.



b. Loosen and remove the mounting bolts and nuts from the engine covers. Remove the engine covers.



c. Unplug the Mass Air Flow (MAF) Sensor connector and unclip from the air box. Repeat for the driver side.



d. Loosen and remove the air box mounting bolt. Loosen the hose clamp at the throttle body. Disconnect the breather hose. Remove inlet tube and air horn mounted in the radiator support.



e. Loosen and remove the air box mounting bolt. Loosen the hose clamp at the throttle body. Disconnect the breather hose. Remove inlet tube and air horn mounted in the radiator support.



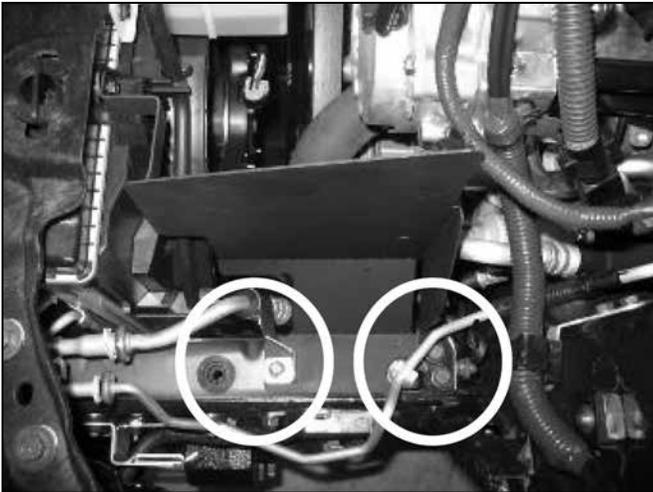
f. Loosen and remove the four A/C line bracket mounting bolts and the rubber grommet that is in between the brackets.



g. Loosen and remove screw that secures the radiator fan to the radiator. This applies to both the driver and passenger side.

3. Installation of AEM® intake system.

a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



b. Loosen and remove screw that secures the radiator fan to the radiator. This applies to both the driver and passenger side.



c. **Passenger side:** Insert the heat shield as shown. Secure with new hardware for the base of the heat shield and the factory radiator support bracket.



d. Install the rubber mounts on to the brackets on both pipes. Secure with a 6MM fender washer and M6 nut.



e. Install Venturi into both pipes as shown.



f. Remove the MAF sensors from the factory inlet tubes. Install the MAF sensors into the AEM inlet pipes, use factory hardware.
Note the air flow direction.



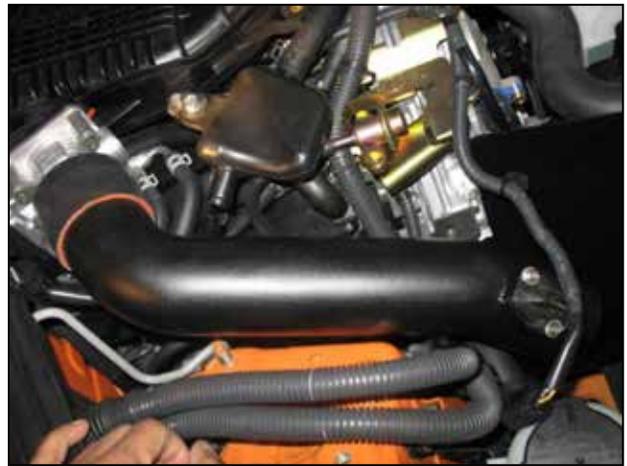
g. Attach the coupler to both pipes. Place the two size 44 couplers on each coupler.



h. Insert the pipe as shown. Align the pipe bracket with the rubber mount. Then align the coupler with the throttle body.



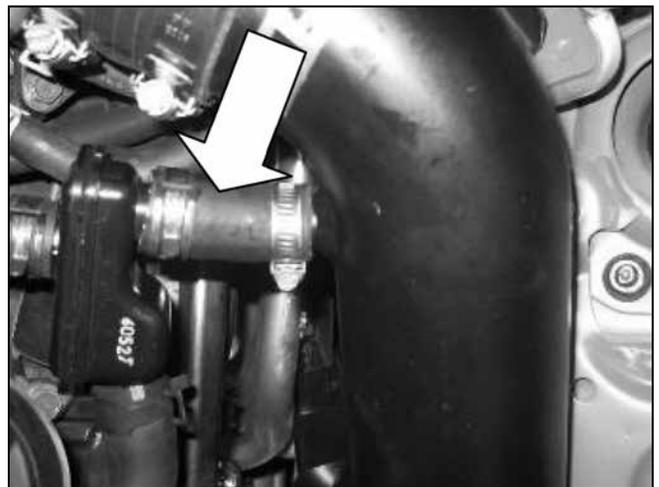
i. Push the coupler onto the throttle body.



j. Attach the filter and secure with #48 hose clamp. Reconnect the MAF sensor connector.



k. Connect the 5/8" hose from the crankcase vents to the intake pipes on both sides (Driver side: 1.75" length, Passenger side: 2" length). Secure with the factory clamp on the plastic nipple and a 1" hose clamp on the pipe side.



l. Check for clearance. Secure the rubber mount to the shield with a 6MM fender washer and M6 nut.



m. Attach the foam gasket to the top of the shields on both the passenger and driver side.



n. Insert the factory MAF wire harness clips into the oval shaped holes on the shields, this applies to both sides.



AEM® intake system installed

4. Reassemble Vehicle

- a. **Engine Cover:** Install the engine cover and necessary hardware removed in steps 2b.
- b. **Strut tower bar:** Install strut tower bar.
- c. Position the inlet pipes for the best fitment. Be sure that the pipes or any other components do not contact any part of the vehicle. Tighten the rubber mount, all bolts, and hose clamps.
- d. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- e. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- f. Reconnect negative battery terminals and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.

5. CARB Sticker Placement

- a. The C.A.R.B. exemption sticker, (attached), must be visible under the hood so that an emissions inspector can see it when the vehicle is required to be tested for emissions. California requires testing every two years, other states may vary.

6. Service and Maintenance

- a. It is recommended that you service your AEM® Dryflow™ filter every 20,000 miles for optimum performance. Use AEM Dryflow cleaning kit part # 21-110.
- b. Use aluminum polish to clean your polished AEM® intake tube.
- c. Use window cleaner to clean your powder coated AEM® intake tube. **(NOTE: DO NOT USE aluminum polish on powder coated AEM intake tubes).**

For technical inquiries
e-mail us at
sales@aemintakes.com
or
call us at
800.992.3000

AEM Air Intake System Warranty Policy

AEM® warrants that its intake systems will last for the life of your vehicle. AEM will not honor this warranty due to mechanical damage (i.e. improper installation or fitment), damage from misuse, accidents or flying debris. AEM will not warrant its powder coating if the finish has been cleaned with a hydrocarbon-based solvent. The powder coating should only be cleaned with a mild soap and water solution. Proof of purchase of both the vehicle and AEM intake system is required for redemption of a warranty claim.

This warranty is limited to the repair or replacement of the AEM part. In no event shall this warranty exceed the original purchase price of the AEM part nor shall AEM be responsible for special, incidental or consequential damages or cost incurred due to the failure of this product. Warranty claims to AEM must be transportation prepaid and accompanied with dated proof of purchase. This warranty applies only to the original purchaser of product and is nontransferable. Improper use or installation, use for racing, accident, abuse, unauthorized repairs or alterations voids this warranty. AEM disclaims any liability for consequential damages due to breach of any written or implied warranty on all products manufactured by AEM. Warranty returns will only be accepted by AEM when accompanied by a valid Return Merchandise Authorization (RMA) number. Credit for defective products will be issued pending inspection. Product must be received by AEM within 30 days of the date RMA is issued.

If you have a warranty issue, please call (800) 992-3000 and our customer service department will assist you. A proof of purchase is required for all AEM warranty claims.