



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 21-550

2007

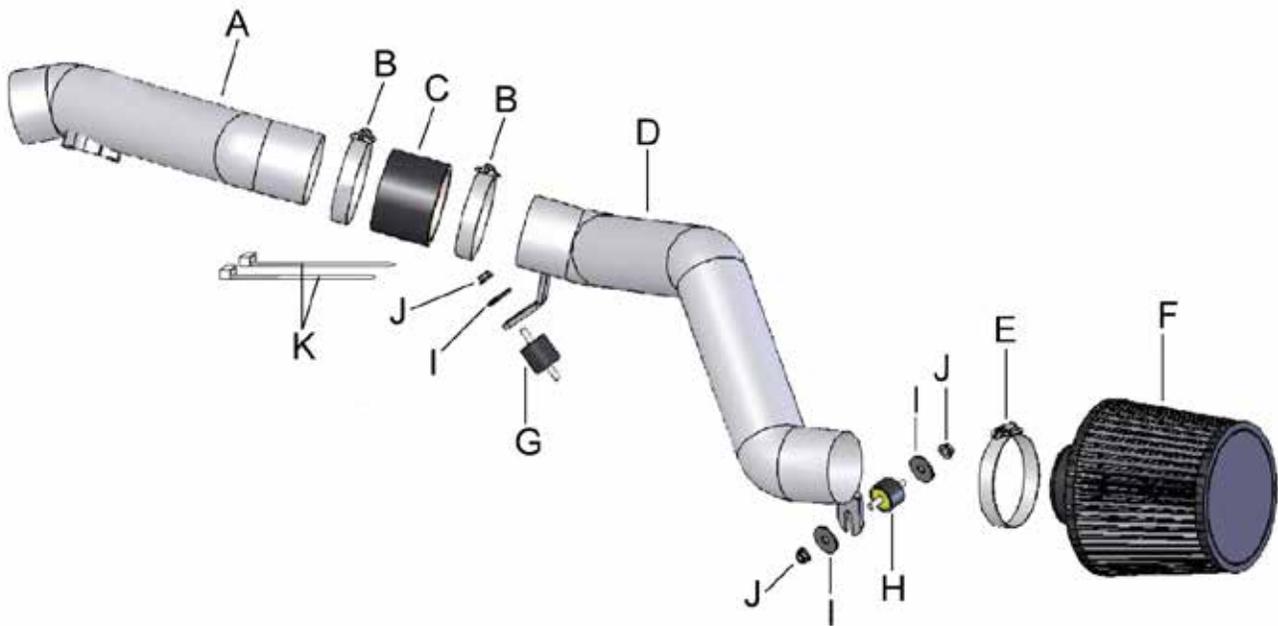
NISSAN Versa L4-1.8L

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**

PARTS LIST

A	UPPER PIPE, NISSAN VERSA 07	1	2-5502
B	1/2" BNDHOSE CLAMP,2.15-3.00"	2	9440
C	HOSE, SILICONE 2.50X2" BLACK	1	5-252
D	LOWER PIPE; 2007 NISSAN VERSA	1	2-5501
E	1/2" BNDHOSE CLAMP,2.31-3.25"	1	9444
F	ELEMENT PARTS KIT 2.50 X 5" DRY ELE	1	21-201DK
G	MOUNT, RUBBER 1" X 6MM	1	1228599
H	MOUNT,RUBBER 5/8" X 6MM	1	1228598
I	WASHER, 6MM SOFT MOUNT	3	08160
J	NUT, M6 HEX SERRATED	3	444.460.04
K	ZIP TIE,8" TREE PUSH-MNT	2	1-127



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.

The AEM® intake system is a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must return your vehicle to stock OEM air box and intake tract configuration. Failure to follow these instructions will void your warranty.

1. Preparing Vehicle

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

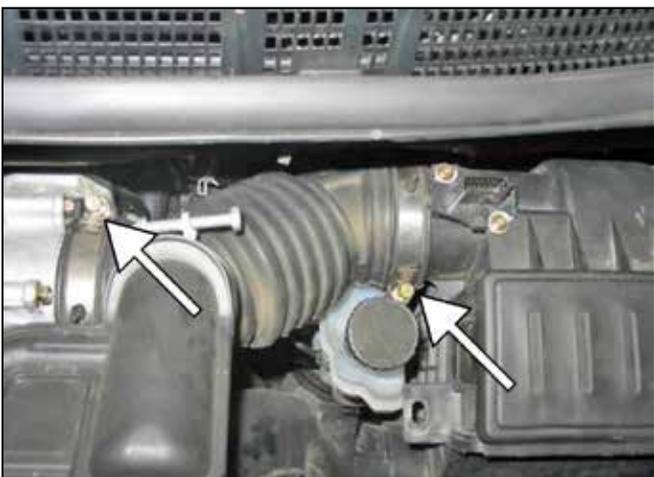
2. Removal of stock system



a. Remove the push-in tabs for the air inlet ducting. Unclip the air inlet ducting from the air inlet tube. Remove the air inlet ducting.



b. Unclip the Mass Air Flow (MAF) sensor wire harness connector and wire harness clip from the air box.



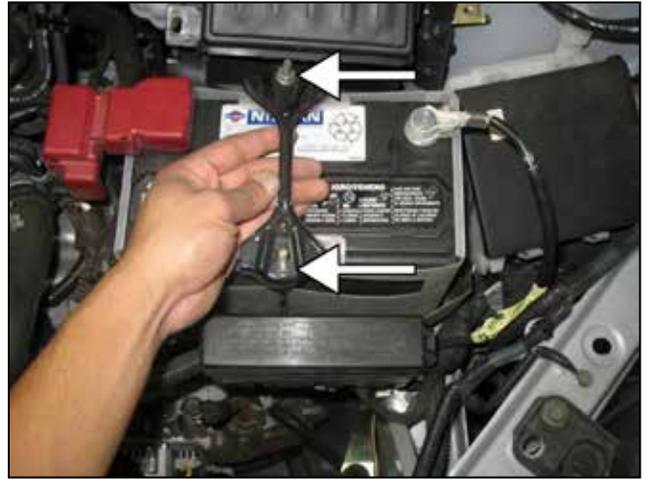
c. Loosen hose clamp at the air box and at the throttle body.



d. Unclasp the spring clamp for the crankcase breather tube. Remove the plastic resonator from the crankcase breather tube.



e. Unclip and remove the lower air ducting from the air box.



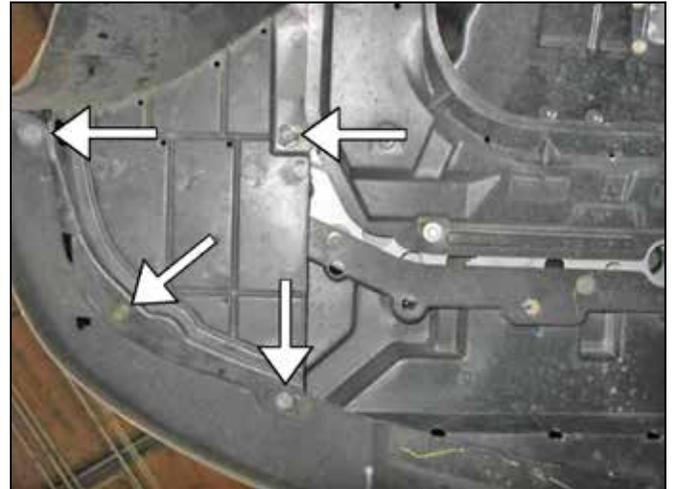
f. Loosen both nuts securing the J-hooks. Remove the J-hooks and battery bracket.



g. Cut the wire tie securing the ECU wire harness to the battery bracket.
NOTE: Careful not to cut the wire harness.



h. Loosen and remove both battery terminals. Remove the battery. With the battery removed, pull the air box out from the mounting grommets.



i. Raise the front of the vehicle with a jack. Refer to your owner's manual for proper jack and jack stand placement to properly support vehicle. Support your vehicle using properly rated jack stands before wheel removal or while working under the vehicle.
NEVER WORK UNDER A VEHICLE WITHOUT USING JACK STANDS.
Remove front driver side wheel according to owner's manual. Remove push-in tabs from the fender liner.

j. Remove remaining push-in tabs and mounting bolts to the fender liner and splash shield.

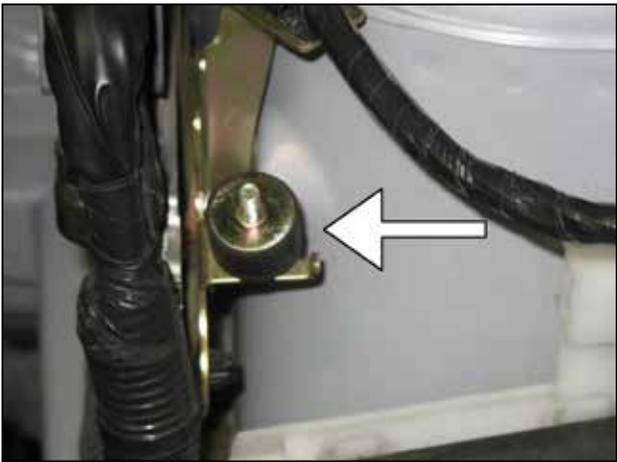
3. Installation of AEM® intake system.

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

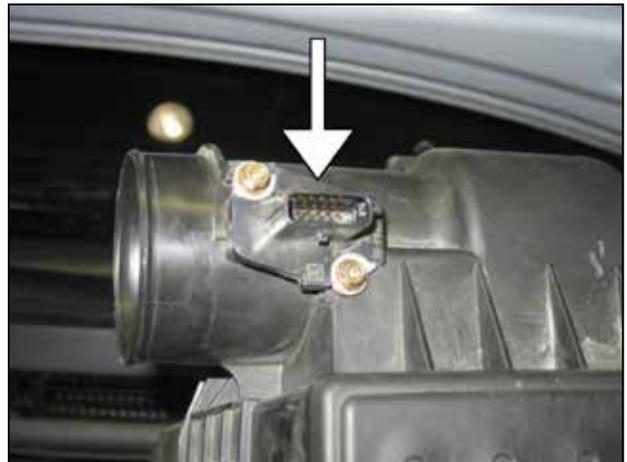


b. Insert the tree mount zip ties into the factory location on the battery bracket. Secure the ECU wire harness to the bracket. Cut off excess tie.

c. Reinstall the factory breather tube and air inlet tube.



d. Install the 5/8" rubber mount into the ECU bracket.



e. Loosen and remove the MAF Sensor mounting bolts and sensor from the air box.



f. Reinstall the MAF Sensor with factory bolts into the AEM® inlet pipe.



g. Insert the inlet pipe as shown.



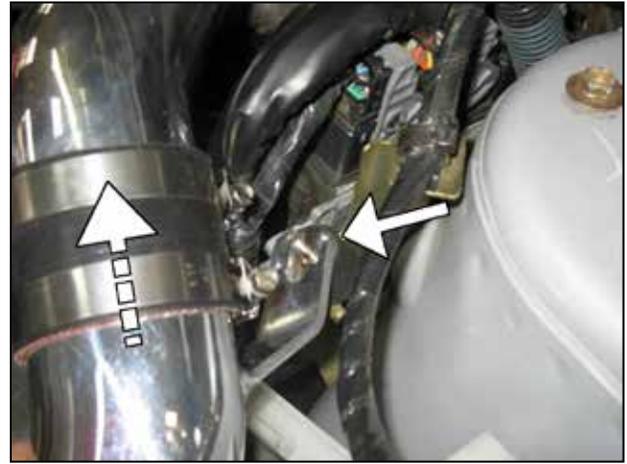
h. Attach the 1" rubber mount in the fender well. Secure the backside of the rubber mount with the M6 washer and M6 Nut.



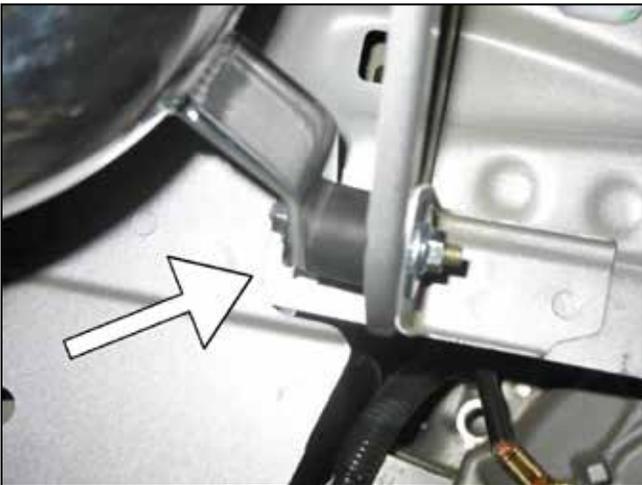
i. Attach the coupler and #40 hose clamps to the installed inlet pipe.



h. Attach the 1" rubber mount in the fender well. Secure the backside of the rubber mount with the M6 washer and M6 nut.



k. Insert the other end of the lower inlet pipe into the coupler. Readjust the lower bracket for alignment. Align the upper bracket to the 5/8" rubber mount.



l. Secure the lower bracket with the M6 washer and M6 nut to the rubber mount. Do the same for the upper bracket.



m. Attach the air filter element and secure with #44 hose clamp.



n. Plug in the MAF sensor connector.



AEM® intake system installed

4. Reassemble Vehicle

- a. **Fender liner and splash shield:** Install the fender liner, splash shield and any hardware that was removed in steps 2(i) through 2(j).
NOTE: Failure to install the fender liner will result in diminished performance and increase the potential for engine damage due to water ingestion in rainy conditions.
- b. **Wheel:** Install the driver side wheel using the factory torque specification (see owner's manual).
- 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.