



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 21-546

2002-2006 NISSAN Altima L4-2.5L C.A.R.B. E.O. # D-670

C.A.R.B. E.O. # D-670 excludes 2004 MY LEV II SULEV 4NSXV02.585A, 2005 MY LEV II SULEV 5NSXV02.585A and 2006 MY LEV II SULEV 6NSXV02.585A model year vehicles

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

PARTS LIST

Description	Qty	Part Number
Upper Pipe	1	2-504
Middle Pipe	1	2-505
Lower Pipe	1	2-506
Adaptor, MAF	1	2-641
Mount, Rubber 1" X 6mm	1	1228599
Nut, M6 Hex Serrated	1	444.460.04
Washer, 6mm Soft Mount	1	08160
Air Filter Assy. 2.75 X 5" Dry Ele.	1	21-202DK
1/2" Bnd. Hose Clamp, 2.31-3.25"	6	9444
1/2" Bnd. Hose Clamp, 2.56"-3.50"	3	9448
Hose, Silicone 2.75x3" Blk.	2	5-275
Hose, Adapter 2.75/3.00 X 3" Bl.	2	5-273
Hose; 5/8"ID X 22"L	1	5-7022
Hose Clamp, 1"	2	99024.032

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.

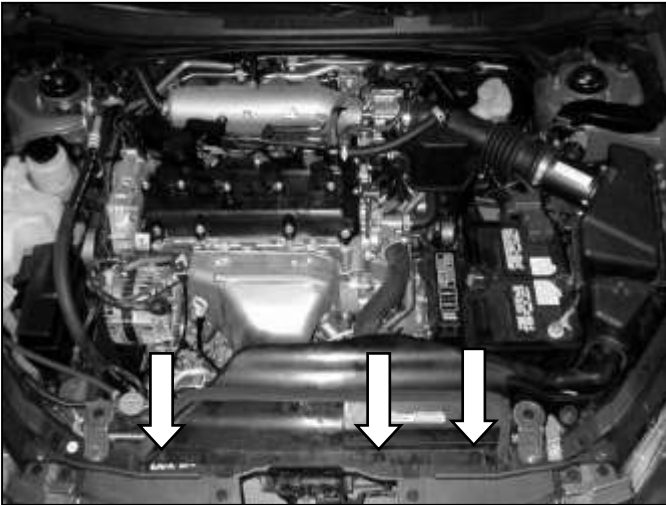
The AEM® intake system is a performance product that can be used safely during mild weather conditions. During harsh and inclement weather conditions, you must return your vehicle to stock OEM air box and intake tract configuration. Failure to follow these instructions will void your warranty.

Be sure to verify the emissions family # 5NSXV02.5G5A. This information is available on the right side of the opened hood, on the emissions sticker. If your car does not have this emissions family number this kit was not designed for your vehicle and will not be C.A.R.B. exempt.

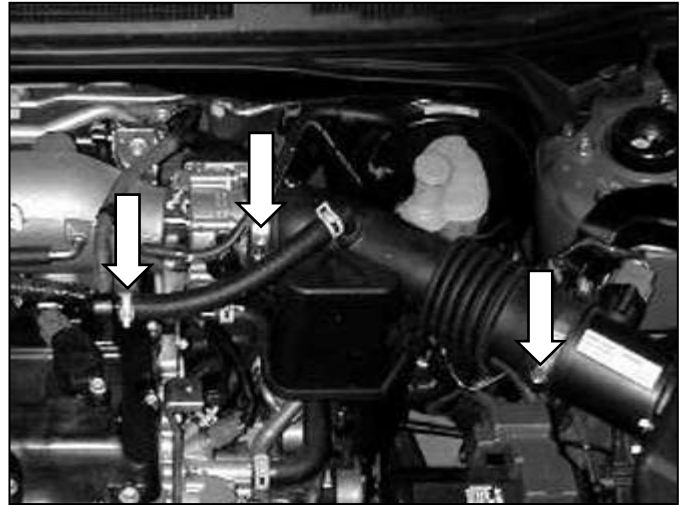
1. Preparing Vehicle

- 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. 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.
- i. Remove driver side wheel.
- f. Do not discard stock components after removal of the factory system.

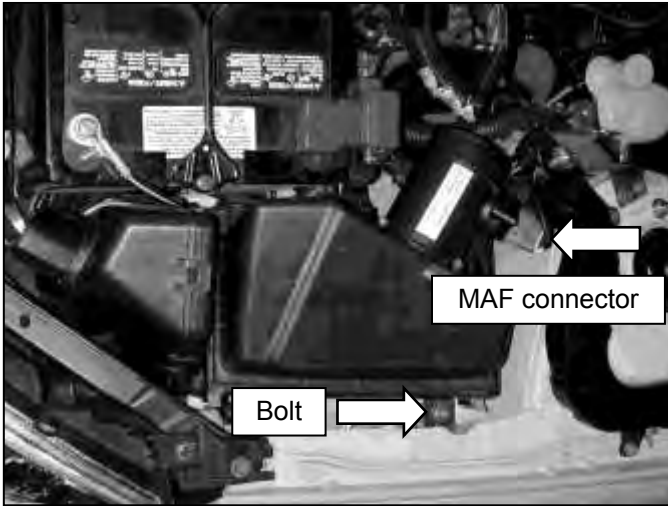
2. Removal of stock system



a. Remove the three plastic fasteners that secure the air scoop and then remove it.



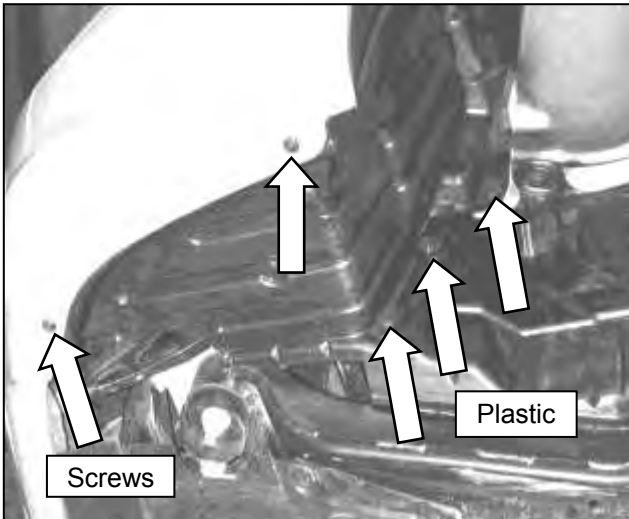
b. Squeeze stock hose clamp and remove hose from valve cover. Loosen the hose clamps as shown. Then remove the connector tube assembly.



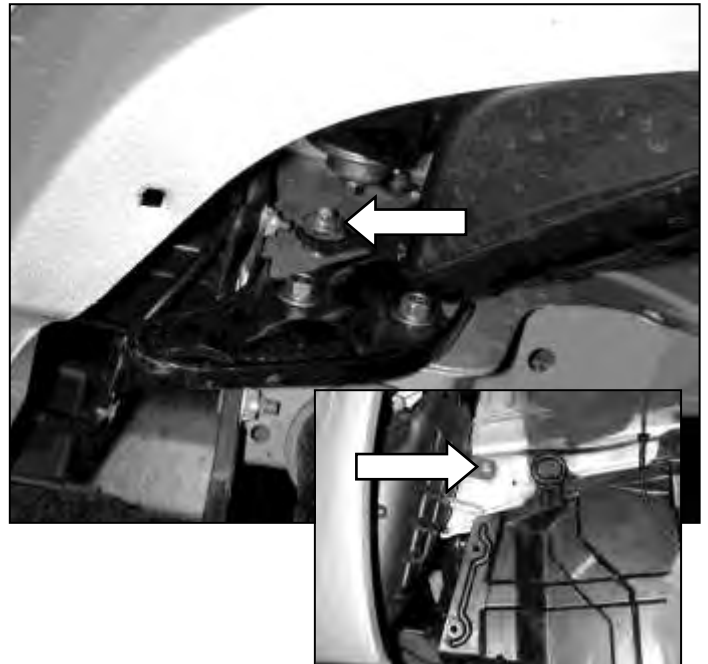
c. Loosen the indicated bolt, unplug the MAF connector and remove the air filter assembly.



d. Loosen the four bolts, and remove the MAF sensor from the air filter assembly.



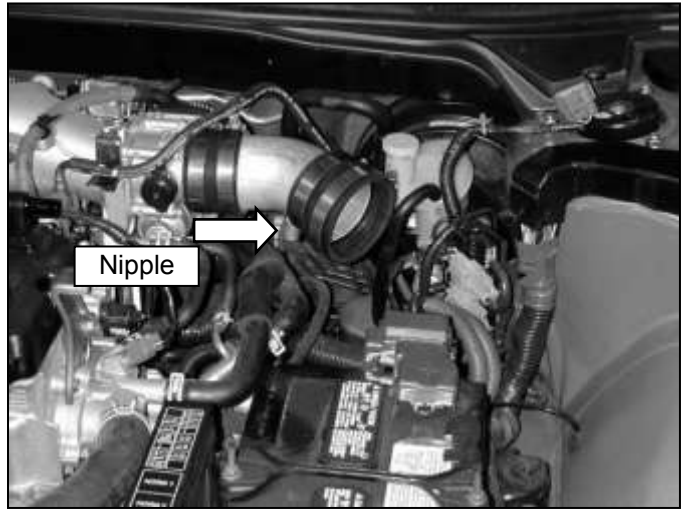
e. Remove the three plastic fasteners and two screws securing the inner fender. Move the fender liner to gain access to the inner front bumper.



f. Loosen the two indicated bolts, and remove the intake air silencer chamber.

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.

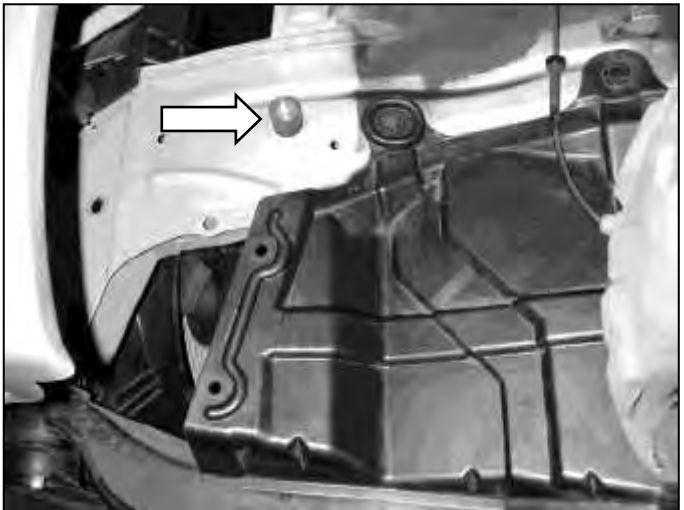


b. Bolt the adaptor to the MAF sensor using the factory bolts.

c. Install the upper intake pipe with the nipple pointing downward. Secure using the supplied couplers and hose clamps as shown.



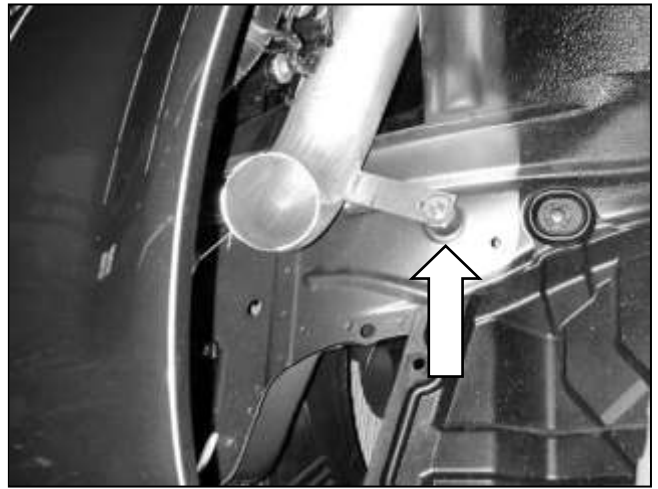
d. Install the MAF sensor assembly onto the upper intake pipe using the supplied coupler and hose clamps. Ensure the sensor connector is facing downward as shown. Reconnect the MAF sensor once the intake pipe is properly positioned.



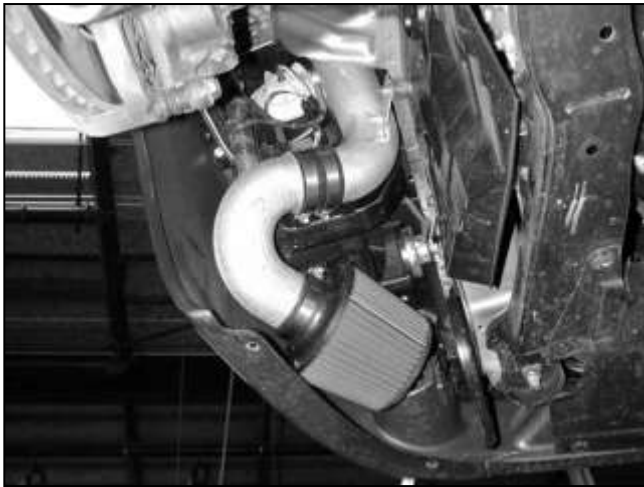
e. Install the supplied rubber isolator on the inner fender as shown.



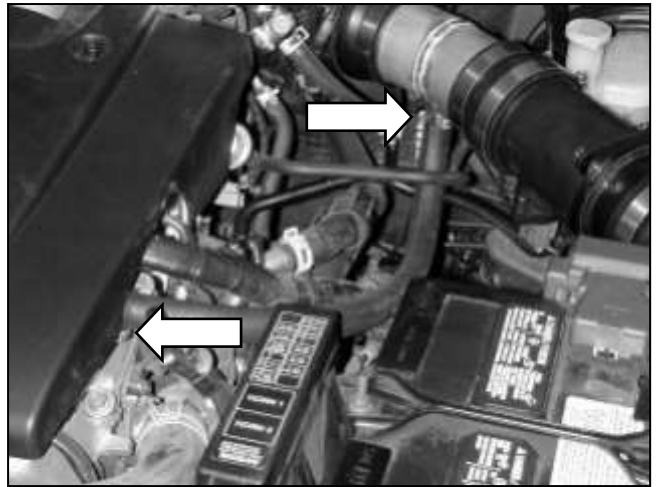
f. Install the middle intake pipe onto the MAF sensor adaptor. Loosely secure using the supplied coupler and hose clamps.



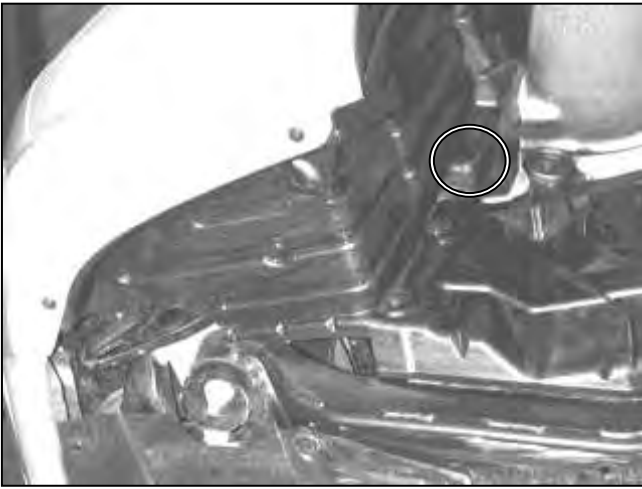
g. Secure the lower intake pipe to the rubber isolator using the supplied serrated nut and washer.



h. Install the air filter onto the longer leg of the lower intake pipe. Install the lower intake pipe assembly onto the middle intake pipe using the supplied coupler and hose clamps.



i. Install the included 5/6" breather hose onto the cam cover vent and the nipple on the upper intake pipe using the supplied 1" hose clamps.



j. Install the fender liner and any hardware that was removed in step 2e. Some trimming of the fender liner may be necessary so that the rubber mount assembly installed in step 3g has adequate clearance.

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.

4. Reassemble Vehicle

- a. **Wheel:** Install the driver side wheel using the factory torque specification (see owner's manual).
- b. 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.
- c. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- d. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- e. 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.