



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# INSTALLATION INSTRUCTIONS

## PART NUMBER: 21-545

---

2002-2006

NISSAN Altima V6-3.5L

C.A.R.B. E.O. # D-670

---

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

## PARTS LIST

Description	Qty.	Part Number
Air Filter Assy. 2.75 X 5" Dry Ele.	1	21-202DK
Upper Pipe	1	2-496
Lower Pipe	1	2-497
Adaptor, MAF	1	2-641
Hose, Adapter 2.75/3.00 X 3"	3	5-273
Hose; 5/8"ID X 22"L	1	5-7022
Mount, Rubber 1" X 6MM	1	1228599
Washer, 6mm Soft Mount	1	559999
Nut, M6 Hex Serrated	1	444.460.04
1/2" Bnd. Hose Clamp,2.56"-3.50"	4	9448
1/2" Bnd. Hose Clamp,2.31-3.25"	3	9444
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.

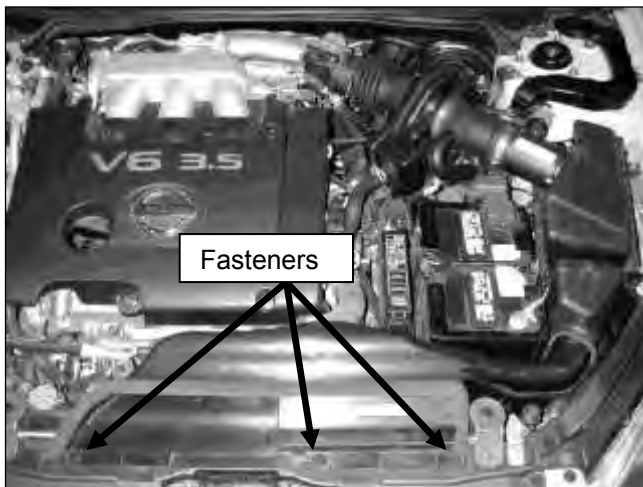
## 1. Preparing Vehicle

- 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 all negative battery terminals.
- 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.

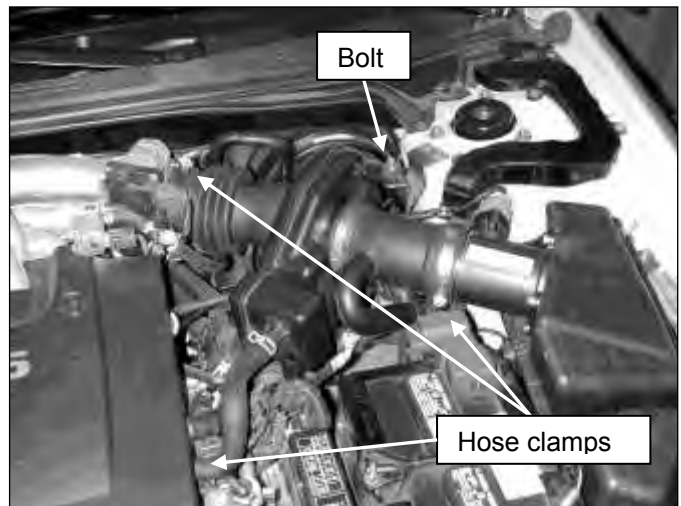
**NEVER WORK UNDER A VEHICLE WITHOUT USING JACK STANDS.**

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

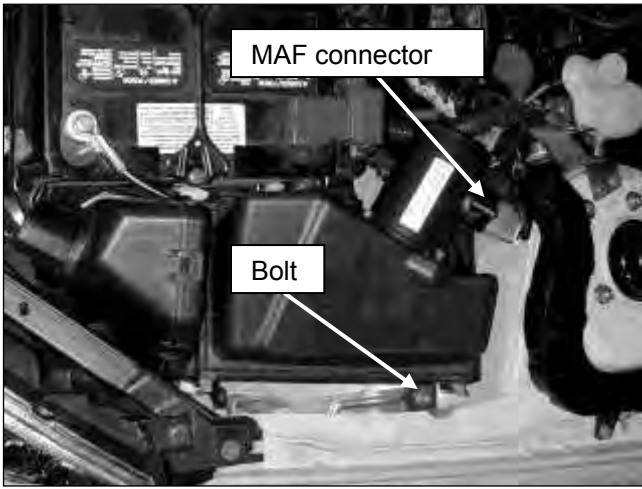
## 2. Removal of stock system



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



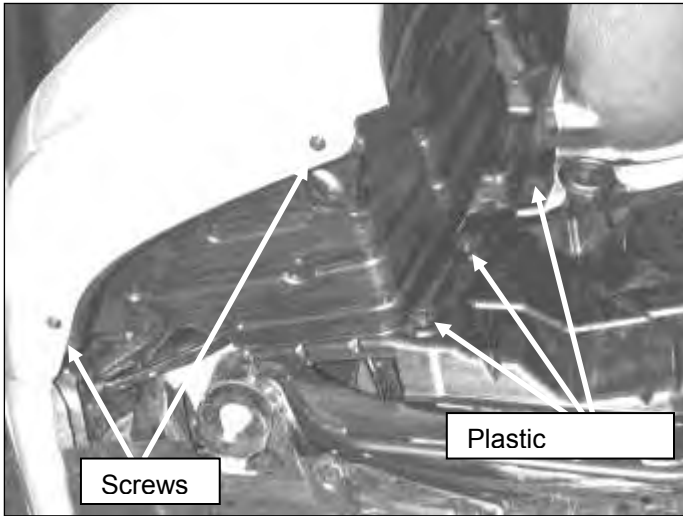
b. Remove the bolt securing the connector tube to the chassis, loosen the hose clamps as shown, and remove the connector tube assembly.



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 liner. Remove the fender liner to gain access to the inner front bumper.



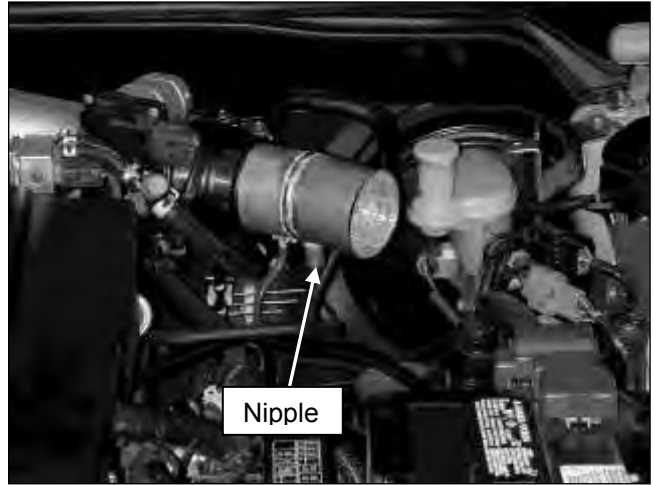
f. Loosen the two indicated bolts, and remove the intake air silencer chamber.

### 3. Installation of AEM® intake system.

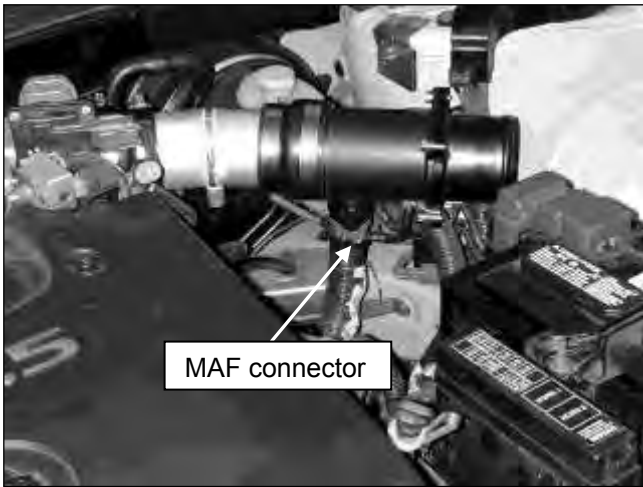
- a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



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



- c. Install the upper intake pipe, with the nipple pointing down. Using the supplied coupler and two hose clamps install as shown.



- d. Install the MAF sensor on the upper pipe using an included coupler and hose clamps, with the sensor connector facing down, as shown. Reconnect the MAF Sensor.



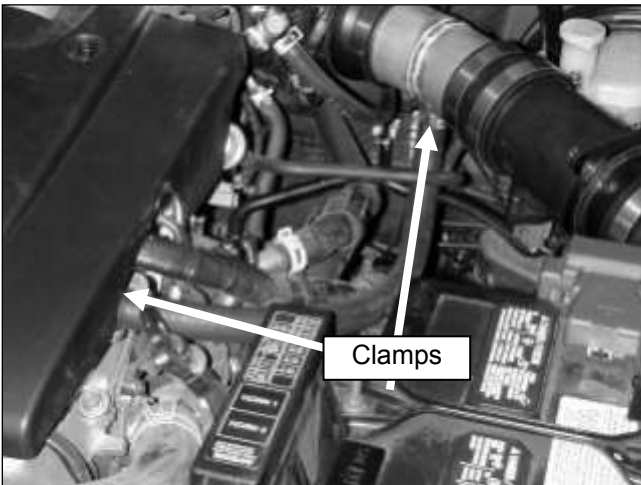
- e. Install the supplied rubber isolator on the inner fender, as shown.



f. Install the lower pipe onto the MAF adaptor, using an included coupler and hose clamps.



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



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



i. Reinstall the inner fender liner. Some trimming of the factory inner plastic may be necessary to clear the rubber mount.

#### 4. Reassemble Vehicle

- a. **Wheel:** Install the driver's 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<sup>®</sup> 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<sup>®</sup> 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.