



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

## INSTALLATION INSTRUCTIONS

**PART NUMBER: 21-515**

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2003-2006 HONDA Element L4-2.4L

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

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

## PARTS LIST

| Description                         | Qty. | Part Number |
|-------------------------------------|------|-------------|
| Upper Pipe, Honda Element           | 1    | 2-572       |
| Lower Pipe, Honda Element           | 1    | 2-573       |
| Grommet, 3/8"                       | 1    | 784633      |
| Hose, Silicone 2.75x2" Black        | 2    | 5-272       |
| 1/2" Bnd. Hose Clamp,2.31-3.25"     | 4    | 9444        |
| Air Filter Assy. 2.75 X 5" Dry Ele. | 1    | 21-202DK    |
| Mount, Rubber 1" X 8mm              | 1    | 1228560     |
| Mount, Rubber 1" X 6mm              | 1    | 1228599     |
| Nut, M8 Hex Serrated                | 1    | 444.460.08  |
| Nut, M6 Hex Serrated                | 1    | 444.460.04  |
| Washer, 8mm Soft Mount              | 1    | 559960      |
| Washer, 6mm Soft Mount              | 1    | 559999      |
| Coupler, Oil Trap                   | 1    | 8-135       |
| Spring Clamp, Oil Trap              | 1    | 8-700       |
| Neoprene,1/16" X 4" X 2" Adhes.     | 1    | 8-126-2     |
| 1/2" Bnd. Hose Clamp,2.56"-3.50"    | 1    | 9448        |

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<sup>®</sup> 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 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.**

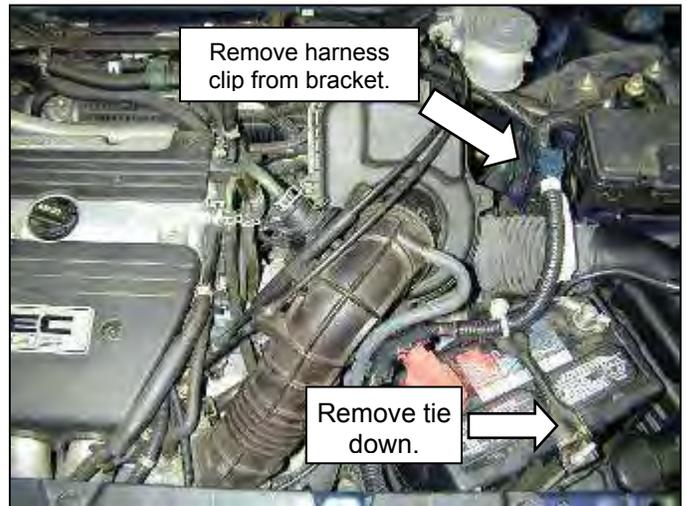
- f. Remove the driver side wheel.
- g. Remove the driver side fender liner from under bumper up to center of the wheel well.
- h. Do not discard stock components after removal of the factory system.

### 2. Removal of stock system

For illustration purposes the bumper was removed in the installation instructions. The installation of the intake system does not require the bumper to be removed, but you may remove it if you wish.



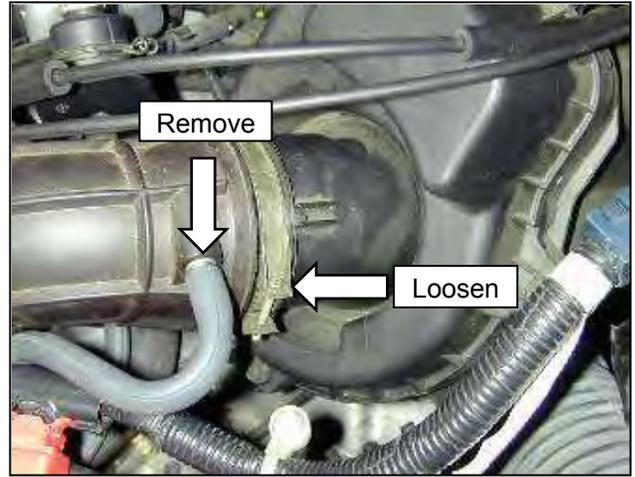
a. Remove bolt for battery ground.



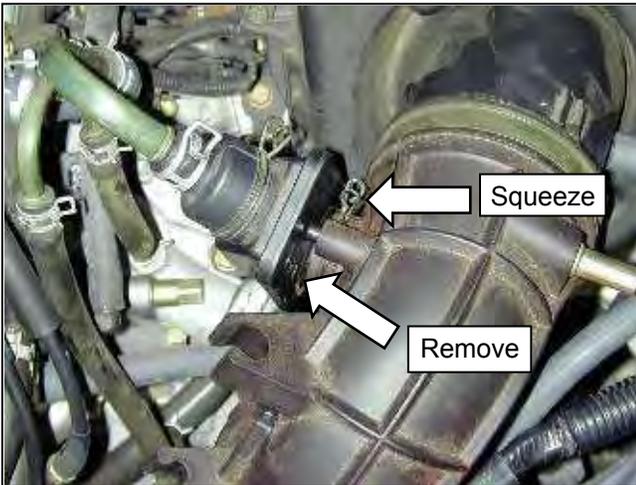
b. Disconnect both battery terminals. Loosen and remove battery tie down.



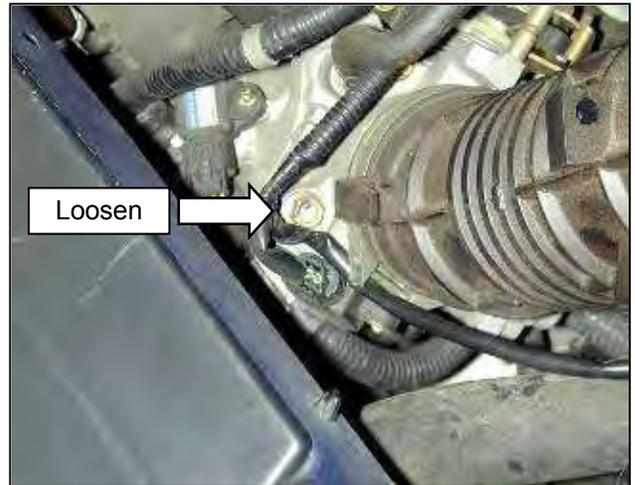
c. Remove battery from tray.



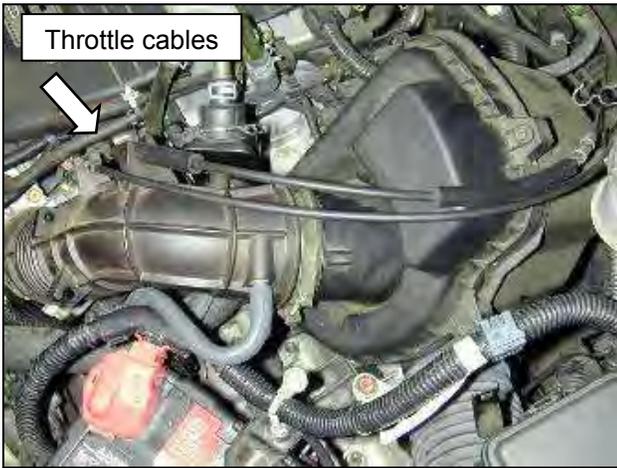
d. Loosen clamp at the air box, but do not remove. Remove breather hose from inlet tube only.



e. Squeeze the clamp and remove oil trap from the inlet air tube. Also remove the IAT from the intake tube; it is located just to the left of the oil trap.



f. Loosen clamp at throttle body, but do not remove.



g. Unhook throttle cables from inlet tube.



h. Remove the stock inlet tube.



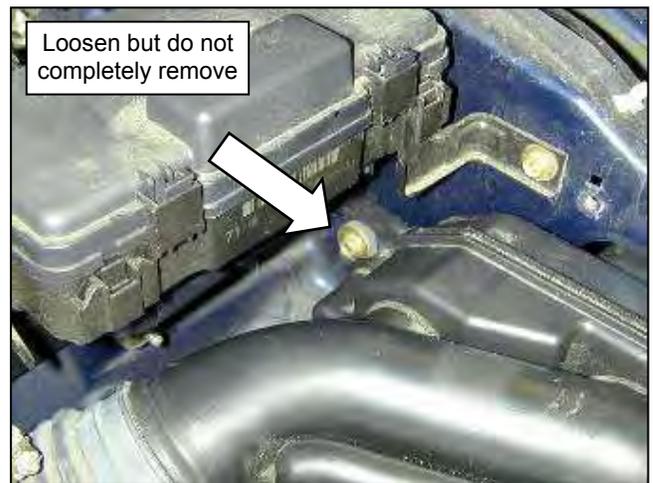
i. Loosen 2 bolts on the left side of the air box.



j. Loosen 1 bolt on the right side of the air box.



k. Remove the stock air box entirely.



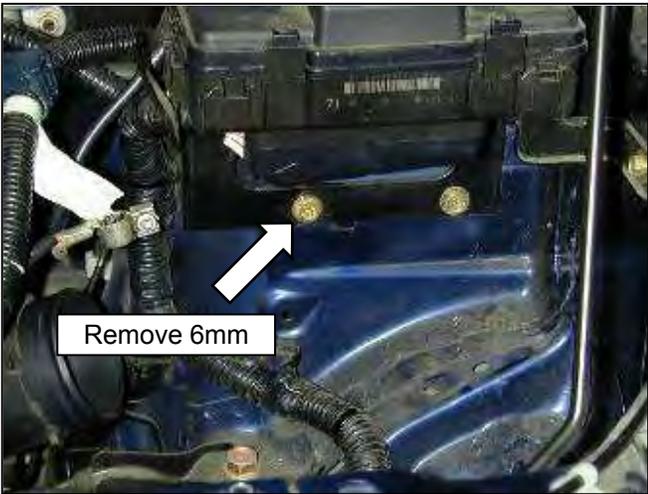
l. Loosen the bolt located above to the left of the resonator.



m. Loosen the bolt located above and to the right of the resonator.



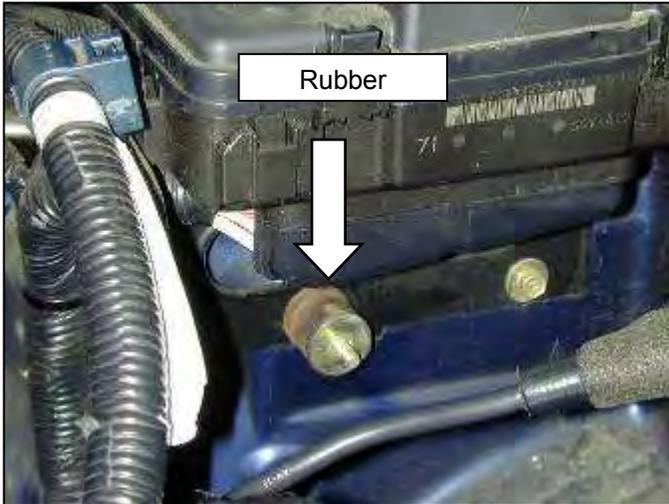
n. Remove the resonator.



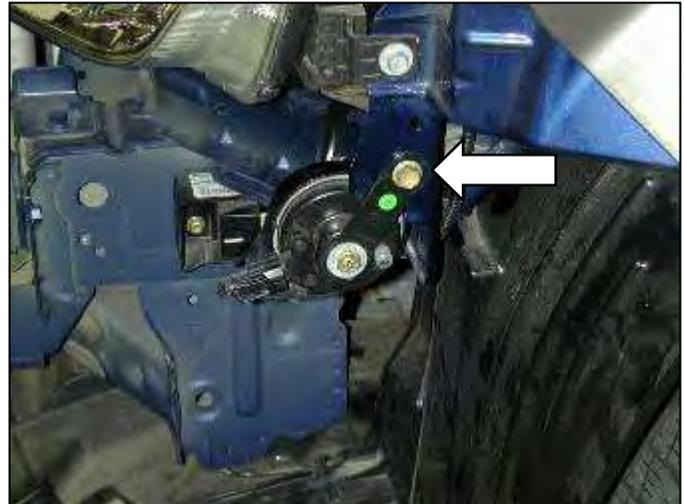
o. Remove left bolt from fuse box bracket.

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

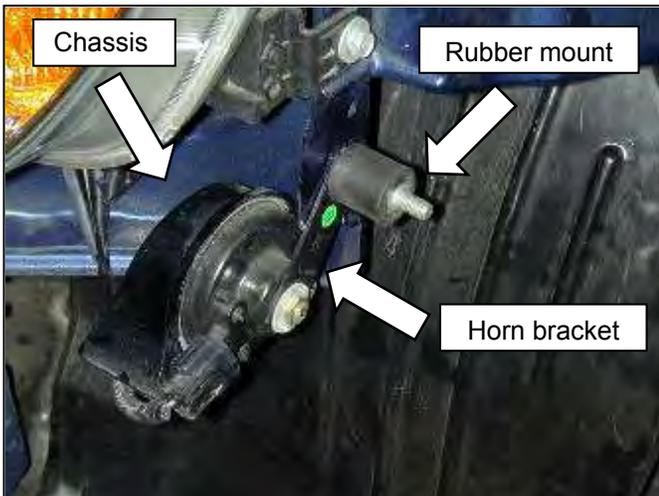
a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



b. Install 6mm rubber mount.



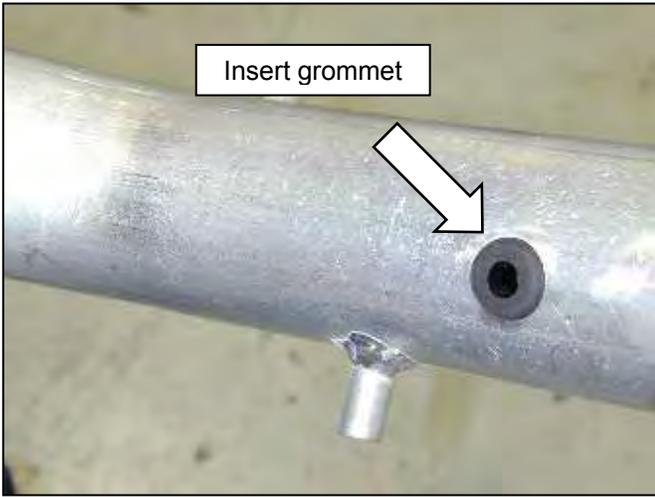
c. Remove 8mm bolt that secures the horn to the chassis.  
**NOTE: The horn sits inward toward the chassis.**



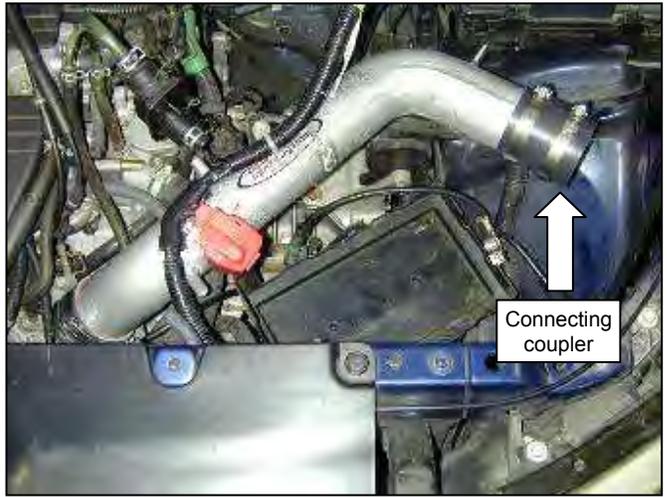
d. Install 8mm rubber mount through horn bracket into the chassis.



e. Attach the coupler to the throttle body with hose clamps as shown. Tighten only the clamp on the throttle body.



f. Insert supplied grommet into underside of upper intake pipe.



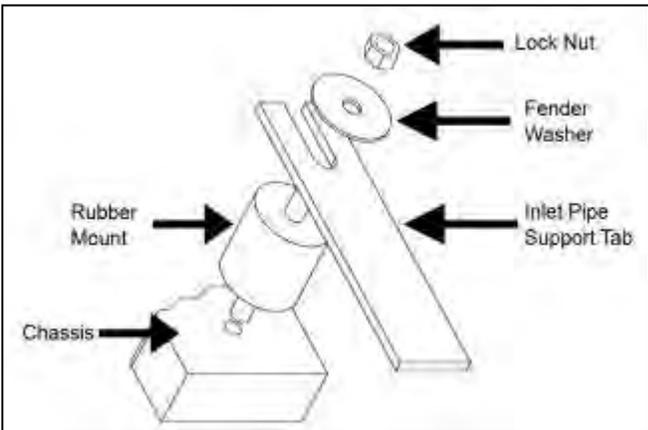
g. Install upper pipe with connecting coupler and clamps. Leave clamps loose.



h. Secure bracket to rubber mount with 6mm washer and nylok nut and tighten. Refer to diagram below for proper rubber mount installation.



i. Install lower pipe from below, up through the frame rail hole and into coupler. Push the pipe all the way together. Do not fully tighten clamps.





j. Install the lower pipe bracket onto the 8mm rubber mount. Install the air filter and secure with a hose clamp. Adjust the intake pipes so they do not come in contact with any part of the vehicle. Tighten the connecting clamps, 8mm washer and nylok nut. Check the fender liner and air filter and ensure there is about 1/8"-1/2" clearance.



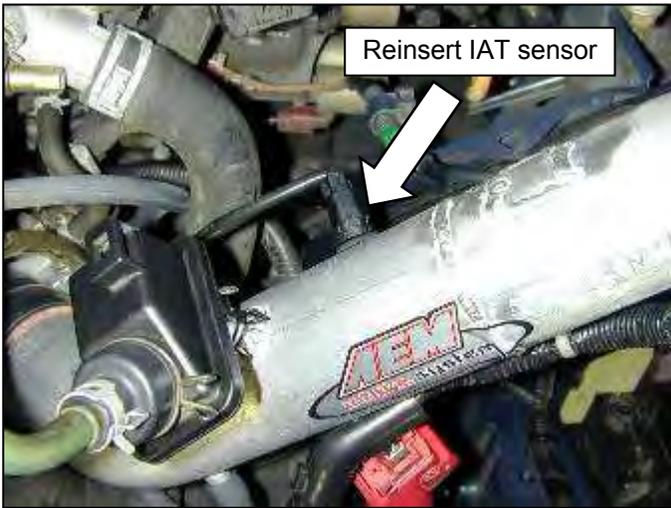
k. Remove spring clamp from stock inlet tube.



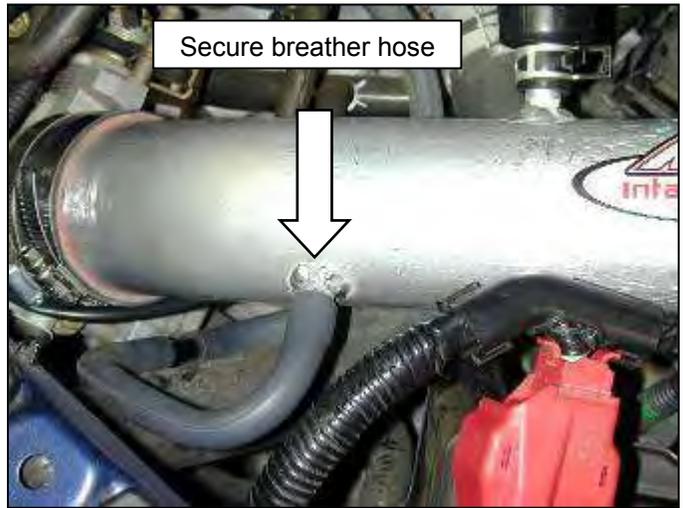
l. Attach the supplied oil trap coupler to the oil trap and secure with the clamp from step 2e.



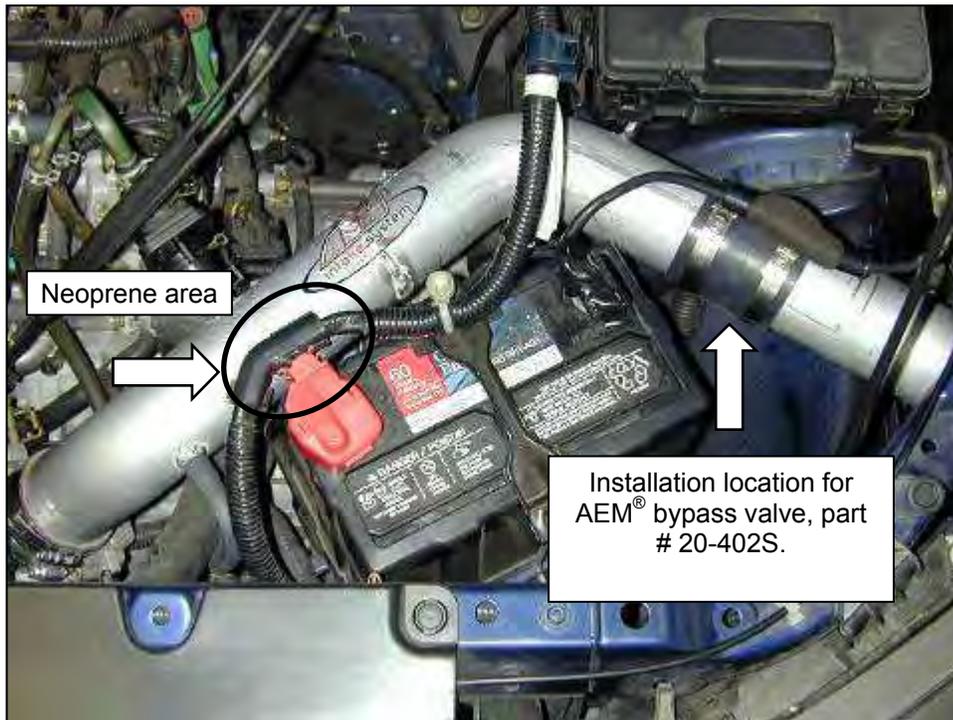
m. Secure the oil trap coupler to the nipple on the intake pipe with the provided spring clamp.  
**NOTE: It is required that the oil trap be installed for legal installation of this intake system.**



n. Reinsert the IAT sensor into the grommet on the back under side of the intake pipe. Use care to avoid pushing the grommet through the hole.



o. Reattach the stock breather hose.



p. Install the battery and battery tie down. Attach battery cables and ground to the chassis. Install the supplied neoprene patch onto the upper intake pipe just behind the positive battery terminal. Once completed the AEM® intake system for your vehicle should look like the image shown.  
**NOTE: If you choose to install an AEM® bypass valve (sold separately), it should be installed in the specified location as shown in the image above.**

#### 4. Reassemble Vehicle

- a. **Fender liner:** Install the driver side fender liner and any hardware that was removed.
- 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 and positive battery terminals. Start engine and 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<sup>®</sup> intake tube.
- c. Use window cleaner to clean your powder coated AEM<sup>®</sup> intake tube. **(NOTE: DO NOT USE aluminum polish on powder coated AEM intake tubes)**

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| For technical inquiries<br>e-mail us at<br>sales@aemintakes.com<br>or<br>call us at<br>800.992.3000 |
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#### 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.