



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

## INSTALLATION INSTRUCTIONS

**PART NUMBER:**

**21-686C**

(Gun Metal Grey Finish)

**21-686P**

(Vacuum Metalized Chrome - VMC)

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2006-2011 HONDA Civic L4-1.8L C.A.R.B. E.O. # D-670-21

**Excludes GX models**

## PARTS LIST

**Description Qty. Part Number**

A	Zip Tie, 8" Tree Push-Mnt	1	1-127
B	1" X 6 mm Rubber Mount	2	1228599
C	Upper Intake Pipe	1	2-6861C/AP
D	Lower Intake Pipe	1	2-6862C/AP
E	3/4" Hose Clamp	2	4093-5
F	1 1/16" Hose Clamp	2	08411
G	M6 Serrated Nut	2	444.460.04
H	2.50" X 3.00" Silicone Hose	1	5-250
I	2.50" X 2.00" Silicone Hose	1	5-252
J	6 mm Washer	2	08160
K	5/8" ID Hose	1	5-7007
L	3/8" ID Hose	1	5-1018
M	1/4" Convoluted Slit	1	3-2009
N	2.50" MAF Insert	1	9-686
O	#40 Hose Clamp	4	9440
P	#44 Hose Clamp	1	9444
Q	2.50" X 5" Dryflow Filter	1	21-201DK



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.

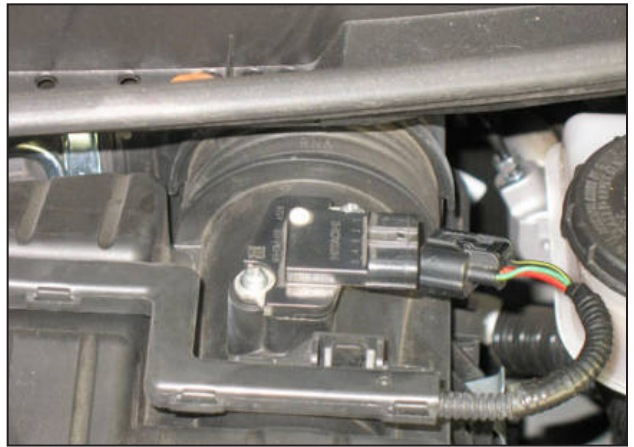
## 1. Preparing Vehicle

- 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 negative battery terminal.
- e. Do not discard stock components after removal of the factory system.

## 2. Removal of Stock System



a. Stock air box system installed.



b. Disconnect the mass airflow sensor harness from the mass airflow sensor.



c. Remove the wire harness from the clips located on the air box lid.



d. Unclip the metal clips securing the air box lid to the lower air box.



e. Remove the lid from the vehicle.



f. Disconnect the PCV hard line from the rubber inlet.



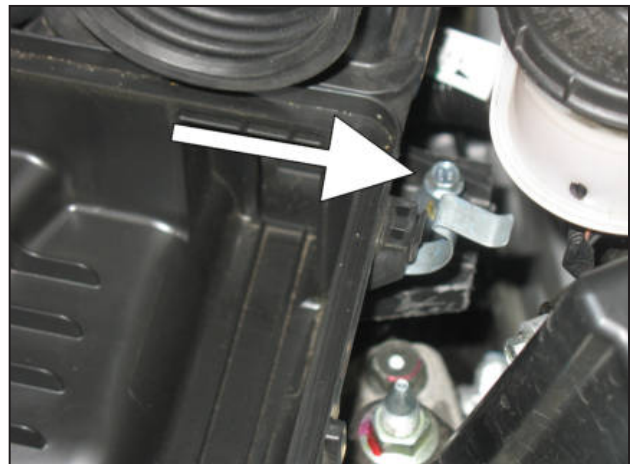
g. Disconnect the PCV hose from the valve cover.



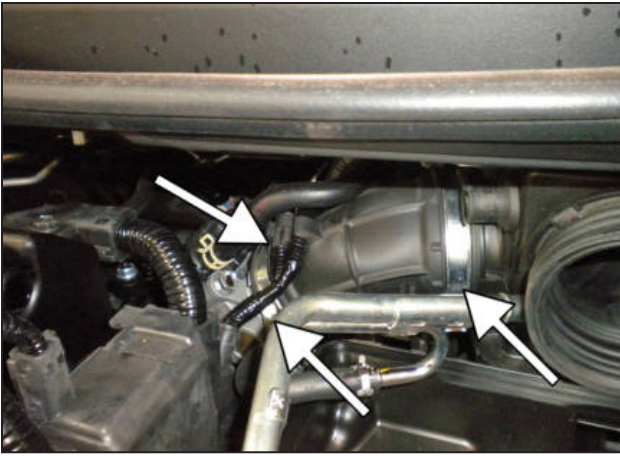
h. Remove the stock panel air filter.



i. Remove the front bolt securing the stock air box.



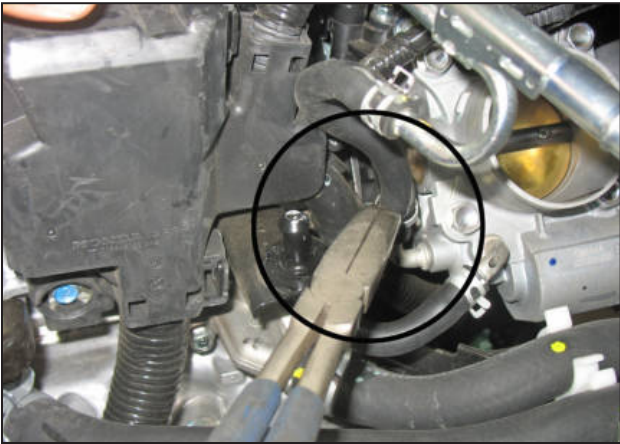
j. Remove the second bolt securing the stock air box to the vehicle.



k. Loosen the hose clamp securing the stock inlet tube to the throttle body and air box. Also remove the wire harness from the inlet tube.



l. Disconnect the rubber inlet duct from the front of the air box, then remove the air box from the vehicle. Remove the inlet tube from the throttle body.



m. **CAUTION: Ensure the engine is completely cool before removing the coolant hose, or hot coolant will escape from the cooling system and cause injury or damage. Be sure to capture any lost coolant in a clean container.** Remove the coolant hose connected to the throttle body (This hose is connected to the hard line that is attached to the PCV hard-line).



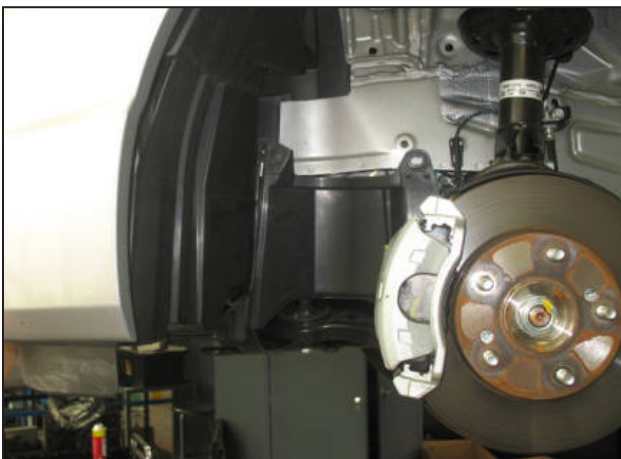
n. Remove the other side of the coolant line connected to the engine.



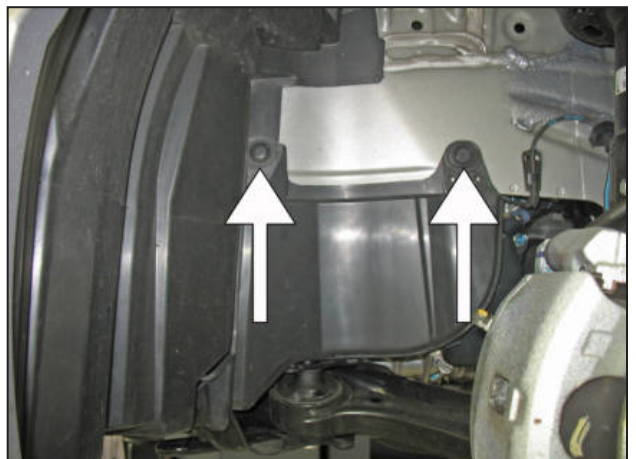
o. Disconnect the positive terminal and loosen the two nuts securing the battery tie down. Remove the battery tie down and the battery.



p. Remove the two bolts securing the lower inlet tube to the vehicle.



q. 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 the front driver side wheel.



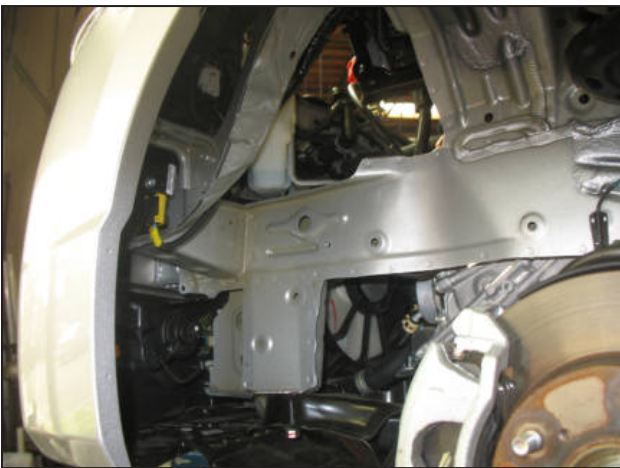
r. Remove the two clips shown.



s. Remove all the clips securing the fender liner to the front of the vehicle and move it out of the way as shown.



t. Remove the two bolts securing the lower resonator to the vehicle.



u. Remove the resonator assembly from the vehicle.



v. Remove the mass air flow (MAF) sensor from the lid of the stock air box.

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

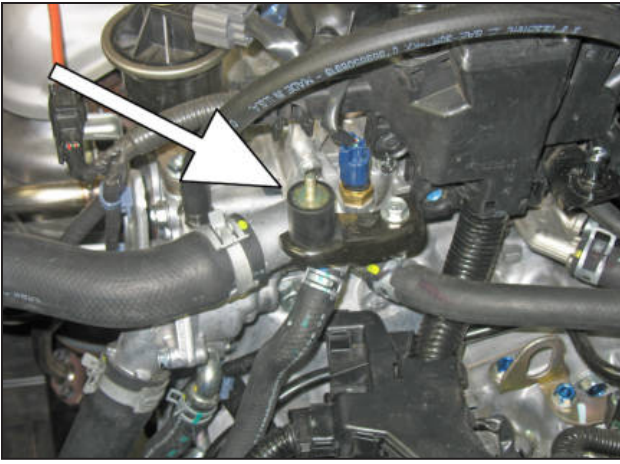
a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



b. Use the supplied 3/8" hose to replace the coolant line removed in steps 2m and 2n and secure it using the 2 supplied hose clamps.



c. Install the 2.50" X 2.00" silicone hose on the throttle body and loosely secure two #9440 hose clamps.



d. Thread one rubber mount into the stock mounting location.



e. Using the stock bolts, secure the MAF sensor to the upper intake pipe.



f. Install the supplied air flow straightener and orient as shown. The fins should be perpendicular to the MAF sensor.



g. Install the 2.50" X 3.00" silicone hose onto the upper intake pipe as shown.



h. Insert the upper intake pipe into the silicone hose installed on the throttle body.



i. Align the bracket with the rubber mount installed in step 3d.



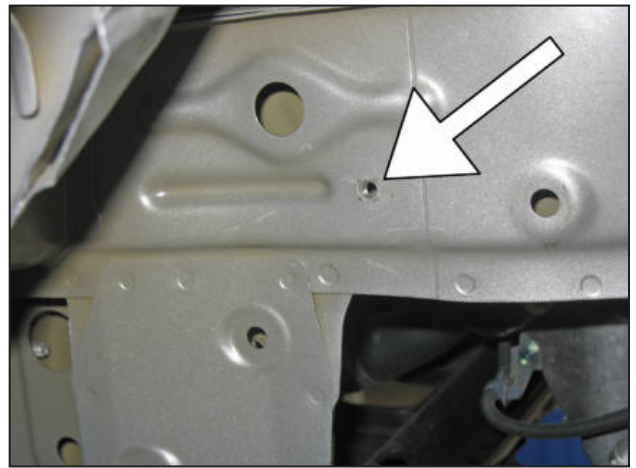
j. Loosely tighten the #9440 hose clamp to secure the intake pipe onto the throttle body.



k. Install the washer and serrated nut on the rubber mount to sandwich the bracket.



l. Install the 5/8" hose onto the upper intake pipe nipple and the valve cover nipple. Secure each end with a 1 1/16" hose clamp.



m. Install the second rubber mount in the thread hole exposed in step 2u.



n. Install the lower intake pipe aligning the bracket with the installed rubber mount. Loosely secure the bracket with a supplied washer and serrated nut.



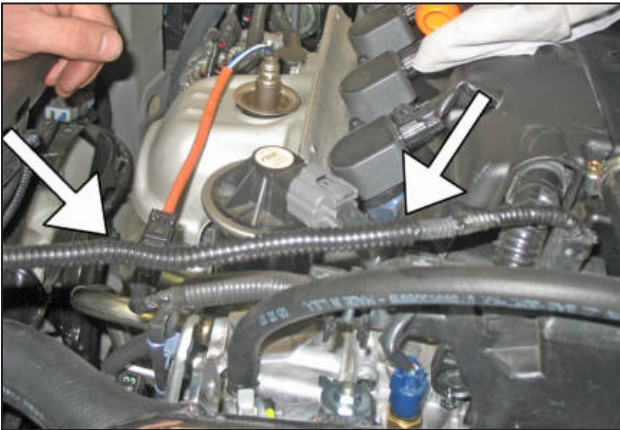
o. Align the lower intake pipe with the upper intake pipe and orient as shown. Insert the lower intake pipe into the upper intake pipe's coupler and loosely secure the #9440 hose clamp.



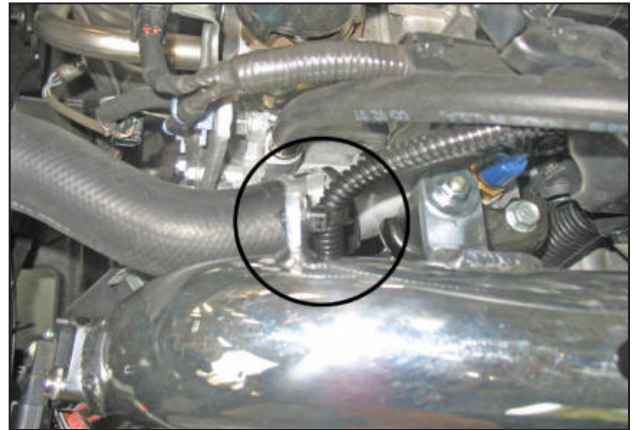
p. Secure the AEM® air filter onto the end of the lower intake pipe with the #9444 hose clamp. Position the intake pipes for best fitment and tighten all hose clamps and rubber mount assemblies.



q. Remove the hard plastic casing on the MAF sensor harness to expose the wires.



r. Use the supplied convoluted slit loom to cover the wires that were exposed in the previous step.



s. Insert the tree-push mount zip tie into the bracket of the upper intake pipe bracket. Secure the MAF sensor harness as shown and trim the excess zip tie. Plug the MAF harness connector into the MAF sensor.



t. Trim the fender liner to clear the intake pipe. Install the fender liner and any hardware that was removed during steps 2r and 2s.

**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.**



Stock air box system installed



AEM® intake system installed

#### 4. Reassemble Vehicle

- a. **Wheel:** Install the driver's side wheel using the factory torque specification (see owner's manual).
- b. Replenish any coolant that was lost during the removal of the coolant hose during steps 2m and 2n.
- c. Reinstall the battery, secure the battery tie down and reconnect the positive battery terminal.
- d. 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.
- e. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- f. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- g. Reconnect negative battery terminal and start engine. Let 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. AEM Induction Systems requires cleaning the intake system's air filter element every 100,000 miles. When used in dusty or off-road environments, our filters will require cleaning more often. We recommend that you visually inspect your filter once every 25,000 miles to determine if the screen is still visible. When the screen is no longer visible some place on the filter element, it is time to clean it. To clean, purchase our Synthetic air filter cleaner, part number 99-0624 and follow the easy instructions.
- 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](mailto: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.