



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

## **INSTALLATION INSTRUCTIONS**

### **PART NUMBER:**

**21-414B (Blue Finish)**

**21-414C (Gun Metal Grey Finish)**

**21-414P (Vacuum Metalized Chrome-VMC)**

**21-414R (Red Finish)**

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1996-2000 HONDA Civic EX L4-1.6L C.A.R.B. E.O. # D-670-15

**Intake systems for vehicles listed are 50  
state legal. See AEMIntakes.com for CARB  
status on each part for a specific vehicle.**

## PARTS LIST

Description	Qty.	Part Number
Element Parts Kit 2.50 X 5" Dry Ele.	1	21-201DK
Inlet Pipe	1	2-412
Mount, Rubber 1" X 6mm	1	1228599
Grommet, 3/8"	2	784633
Vacuum Cap, 3/8"	1	8-101
Plug, Plastic 5/8"	1	8-102
Washer, 6mm Soft Mount	1	08160
Nut, M6 Hex Serrated	1	444.460.04
1/2" Bnd. Hose Clamp, 2.15-3.00"	2	9440
1/2" Bnd. Hose Clamp, 2.31-3.25"	1	9444
Hose, Silicone 2.50x2" Black	1	5-252

**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. Do not discard stock components after removal of the factory system.

## **2. Removal of stock system**

- a. Remove the stock air box assembly and attaching hardware from inside the fender well.
- b. Disconnect breather hose from the air inlet tube.
- c. Disconnect air temperature sensor harness from the air inlet tube.
  - i. Remove the sensor from the air inlet tube and set aside to prevent accidental damage.
- d. Disconnect Fuel Injection Air Control Valve vacuum line.
- e. Loosen and remove the air inlet tube from the throttle body.
- f. 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.

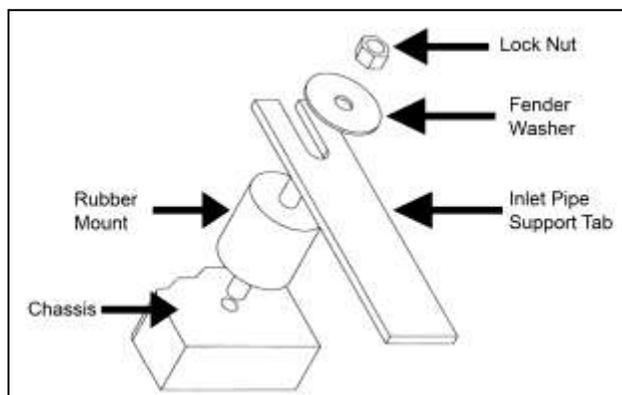
**NEVER WORK UNDER A VEHICLE WITHOUT USING JACK STANDS.**

- i. Remove the lower front splashguard.
  - ii. Remove the front right wheel and remove the inside splashguard (inner fender liner).
- g. Remove the resonator from underneath the vehicle.

## **3. Installation of AEM<sup>®</sup> 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 two rubber grommets in the appropriate hole. The smaller of the two goes in the hole that is closer to the throttle body end of the intake pipe.
- c. Install one connector hose on the throttle body end of the inlet tube. That is the end closest to the breather nipple.
  - i. Install two hose clamps on the connector hose and snug them down on the hose.
- d. Install the intake pipe into the engine compartment by first inserting the intake pipe into the hole exposed from the removal of the resonator.
- e. Attach the intake pipe to the throttle body while slowly turning or twisting the intake pipe so it does not touch any surrounding components along its path.
  - i. If required, tighten the hose clamps slightly, ensuring that the hose clamps are loose enough so that the intake pipe can be rotated during the remainder of the installation.
  - ii. The support tab on the intake pipe will line up with a threaded hole on the inner fender well. Install the rubber isolator mount and attach the intake pipe to the rubber mount. Install the large fender washer and the lock nut onto the isolator mount stud and snug it down.

**NOTE: Failure to install the rubber mount will void all warranties of the intake system. Below on the next page is a diagram of how the rubber mount should be installed.**



- f. Install the AEM<sup>®</sup> air filter on to the end of the inlet tube. Push the filter on around 2 inches over the inlet pipe and install one hose clamp to secure the filter on to the inlet pipe. Once fitment is checked, you can either push the filter on to the inlet pipe more or less depending on clearances. Tighten the hose clamp after this is done.
- g. Check the placement of the intake pipe for proper alignment. Ensure the intake pipe does not interfere with the function of any other accessory or make contact with any components along its path.
  - i. Tighten the rubber isolator lock nut.
  - ii. Tighten the hose clamps on the throttle body.
- h. Gently slide the O.E. PCV breather pipe into the 3/8" rubber grommet (closest to the throttle body). A small amount of oil may aid the installation of the O.E. PCV breather pipe as it is slid into the grommet.
- i. Install the air temperature sensor into the rubber grommet furthest from the throttle body. Connect the harness to the air temperature sensor.
- j. Reinstall the Fuel Injection Air Control Valve vacuum line to the nipple exposed on the intake pipe (Located in between the two grommets).

#### 4. Reassemble Vehicle

- a. **Fender liner and Lower Front Splashguard:** Install the fender liner, lower splashguard and any hardware that was removed in steps 2f i. and 2f ii.  
**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 front right 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.
- 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 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<sup>®</sup> 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.

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