



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# INSTALLATION INSTRUCTIONS

## PART NUMBER: 22-417

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1999-2000 HONDA Civic Si L4-1.6L

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
Element Parts Kit 2.75 X 5" Dry Ele.	1	21-202DK
Short Pipe	1	2-4171
Hose, Silicone 2.75x3" Blk.	1	5-275
Mount, Rubber 1" X 6mm	1	1228599
Grommet, 3/8"	1	784633
Grommet, 1/2"	1	784634
Hose; 3/8"ID X 2"L	1	5-1002
Washer, 6mm Soft Mount	1	559999
Nut, M6 Hex Serrated	1	444.460.04
Hose Clamp, 3/4"	2	4093-5
1/2" Bnd. Hose Clamp, 2.31-3.25"	2	9444
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.**

## **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**

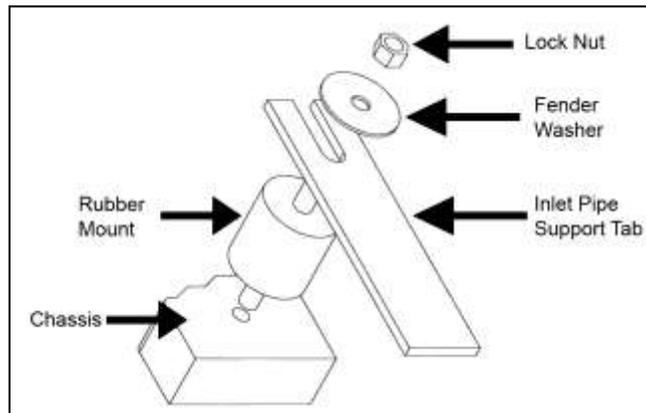
- a. Disconnect breather hose and any vacuum lines (if they are present) from the air inlet tube.
- b. **CAUTION: Ensure the engine is completely cool before removing the coolant hose, or hot coolant will escape from the cooling system and cause injury or damage. Be sure to capture any lost coolant in a clean container.**  
Disconnect the water bypass hose from throttle body or the fast idle thermo valve, if equipped; located at the lower portion of the throttle body. Disconnect the opposite side of the water bypass hose, which runs to either the intake manifold or the water outlet neck. Remove the entire water bypass hose and breather hose assembly from the vehicle. Disconnect the intake air bypass control valve hose where applicable.
- c. Loosen and remove the air inlet tube from the throttle body.
- d. Loosen and remove the stock air box from the vehicle.

**NOTE: It is not necessary to remove the stock resonator from inside the fender well.**

## **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. Some applications use an Inlet Air Temperature (IAT) sensor. If your application uses this sensor, then one of the rubber grommets that are included in the kit must be installed in the pipe. Install the 1/2" I.D. rubber grommet into the corresponding hole. Be sure that it is fully seated so as to prevent an air leak.
- c. Some applications retain the O.E. PCV breather pipe. If the O.E. PCV pipe lines up with a hole then install the 3/8" I.D. grommet into the hole. If the O.E. PCV pipe lines up with a nipple then move to the next step.
- d. Install one black connector hose on the throttle body end of the inlet pipe. That is the end closer to the breather nipple, or the end that is closest to the hole for the IAT sensor.
- e. Install two hose clamps on the connector hose and just snug them down on the hose.
- f. Slide the throttle body end of the inlet pipe onto the throttle body.
- g. Gently tighten the hose clamps so that the pipe can still be rotated.
- h. **NOTE: If your application does not have a support tab then skip to step 3i.**  
Some applications have a support tab that is welded onto the inlet pipe.
- i. The support tab on the inlet pipe will line up with a threaded hole on the inner fender well. Install the rubber isolator mount and attach the air inlet tube onto 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 AEM<sup>®</sup> intake system. Below on the next page is a diagram of how the rubber mount should be installed.**



- i. Install the air filter.
  - i. Install the AEM<sup>®</sup> air filter onto the end of the inlet tube. Push the air 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. Be sure to leave ample clearance between the air filter and any surrounding components.
- j. Connect the breather hose between the valve cover and the inlet pipe using the breather hose and two clamps supplied with the kit. Connect the new supplied water bypass hose and clamps to the throttle body or the fast idle thermo valve, where equipped, and either the intake manifold or the water outlet neck disconnected earlier.
 

**NOTE: Replace any coolant recovered during hose removal by replenishing the recovery tank.**
- k. Install the IAT sensor into the grommet that it lines up with.
- l. If your O.E. PCV breather pipe lines up with a grommet then slide the pipe into the grommet. If your O.E. PCV breather pipe lines up with a nipple, install the 2" long breather hose and secure it with the supplied hose clamps.

**NOTE: On 99-00 Honda Civic SI models the adjustment of the inlet pipe is especially critical. Be sure to check for hood clearance before closing the hood. If more hood clearance is required, simply rotate the pipe until the desired amount of hood clearance is achieved.**

#### 4. Reassemble Vehicle

- a. 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.
- b. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- c. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- d. 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<sup>®</sup> 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.