



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER:

21-412B	(Blue Finish)
21-412C	(Gun Metal Grey Finish)
21-412P	(Vacuum Metalized Chrome-VMC)
21-412R	(Red Finish)

1997-2001 ACURA Integra Type R L4-1.8L 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 3.00 X 5" Dry Ele.	1	21-203DK
Inlet Pipe	1	2-417
Hose, Silicone 3.00x3" Blk.	1	5-300
Mount, Rubber 1" X 6mm	1	1228599
Hose; 1/2"ID X 10"L	1	5-5010
Washer, 6mm Soft Mount	1	08160
Nut, M6 Hex Serrated	1	444.460.04
1/2" Bnd. Hose Clamp, 2.56"-3.50"	2	9448
Hose Clamp, 3/4"	2	4093-5
Hose Clamp, 1"	2	99024.032
Hose; 5/16ID X 16"L	1	5-2016

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

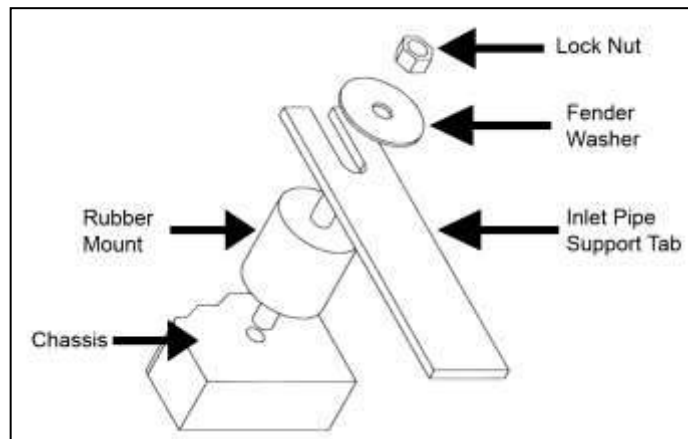
- a. Remove the stock airbox assembly and attaching hardware from inside the fender well.
- b. Disconnect the breather hose from the air inlet tube.
- c. **NOTE: The engine should be cool before performing this step so that HOT coolant is not released out of the engine. Be sure to capture any lost coolant in a clean container.**
Disconnect the water bypass hose from throttle body or the fast idle thermo valve, where equipped, located at the lower portion of the throttle body. Disconnect the opposite end 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.
- d. Loosen and remove the air inlet tube from the throttle body.
- 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.
 - i. Remove the lower front splashguard.
 - ii. Remove the front passenger side wheel and remove the inside splashguard / inner fender liner.
- f. Remove the resonator from underneath the fender well.

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 one black connector hose onto the throttle body end of the inlet pipe, this is the end closest to the breather nipple.
 - i. Install the two #48 hose clamps on the connector hose and loosely tighten.
- c. Install the other connector hose on the opposite end of the inlet pipe. Loosely secure the connector hose onto the inlet pipe with the provided hose clamps.
 - i. Install the inlet pipe by inserting the lower end of the pipe into the vacant area where the resonator transfer tube was previously installed. On models equipped with AC, you will have to slightly bend the AC line so the inlet pipe has clearance, failure to do so may cause damage to the inlet pipe or AC line.

- ii. 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 inlet pipe's bracket onto the rubber mount. Install the large fender washer and the lock nut onto the rubber isolator mount's stud, loosely tighten.

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



- iii. At this point you should be able to align the inlet pipe so that:

1. The connector hose to the throttle body is not twisted.
2. The rubber isolator mount is not under excessive stress as to lead to premature failure.

- iv. Tighten all hose clamps and the lock nut to secure the inlet pipe's bracket to the rubber isolator mount.

- d. Install the air filter onto the lower end of the inlet pipe. Position the air filter so that it is not in contact with any part of the vehicle, then tighten the hose clamp so it is secured to the inlet pipe.
- e. Connect the breather hose to the inlet pipe using the provided connector hose and two hose clamps.
- f. Connect the supplied water bypass hose to the throttle body or fast idle thermo valve and the opposite end to the intake manifold or water outlet neck (where equipped). Secure each end of the water bypass hose with a hose clamp.

NOTE: Replace any coolant recovered during the hose removal by replenishing the recovery tank.

4. Reassemble Vehicle

- a. **Fender liner and lower front splashguard:** Install the fender liner, lower splashguard and any hardware that was removed in steps 2ei. and 2eii.

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 passenger 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 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. 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 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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