



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 22-470

2000-2001	SUBARU	Impreza	H4-2.5L	C.A.R.B. E.O. # D-670
2000-2001	SUBARU	Impreza	H4-2.2L	C.A.R.B. E.O. # D-392-18

* **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	2-4701
Hose, Silicone 2.75x3" Blk.	1	5-275
Hose; 1/2"ID X 16"L	1	5-5016
Connector, Plastic 1/2" Blk.	1	8-117
1/2" Bnd. Hose Clamp, 2.31-3.25"	2	9444
1/2" Bnd. Hose Clamp, 2.56"-3.50"	1	9448
Hose Clamp, 1"	2	99024.032

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. Loosen the hose clamp on the throttle body and the two bolts holding the air box to its brackets.
- b. Locate all the mounting bolts and nuts holding the resonator box and remove them.
- c. Remove the resonator assembly, stock air inlet tube and air filter box assembly from the vehicle. Be sure to disconnect the 3 breather hoses from the stock air box assembly before removing it. **(Fig. 1a & 1b)**
- d. Unbolt and remove the two brackets that originally held the air filter box assembly in place. The bracket bolts will be reused during the installation of the AEM[®] intake system. **(Fig. 2)**

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. Ensure that the inside of the AEM[®] inlet pipe and air filter are clean and free from any debris or obstructions.
- c. Install the 2.75" coupler onto the throttle body using a 2.75" hose clamp.
- d. Place the other 2.75" hose clamp onto the other end of the coupler.
- e. Slide the throttle body end of the AEM[®] inlet pipe into the coupler on the throttle body. The throttle body end is the end nearest to the breather hose nipples on the AEM[®] inlet pipe.
- f. Connect the passenger side valve cover breather hose to the nipple on the straight section of the AEM inlet pipe. Reuse the factory hose clamp.
- g. Install the AEM[®] air filter onto the inlet pipe using a 2.75" hose clamp.
- h. Align the mounting bracket on the AEM[®] inlet pipe to the threaded hole on the intake manifold. Using one of the bracket bolts, attach the SRS mounting bracket to the intake manifold. **(Fig. 3)**
- i. Replace the crank case breather hose with the supplied 1/2" hose. Cut the hose to the proper length. Make sure the hose is free of kinks. **(Fig. 4a & 4b)**
- j. On the new breather hose, reuse the factory hose clamp on the crankcase side and use one of the 1" hose clamps supplied on the inlet pipe side.
- k. Place the supplied extension tube half way into the driver's side valve cover breather hose. Reuse the factory hose clamp. **(Fig. 5a)**
- l. Take the remaining 1/2" hose that was supplied in the kit and cut to the proper size between the inlet pipe and the extension tube. **(Fig. 5b)**



Fig. 1a



Fig. 1b

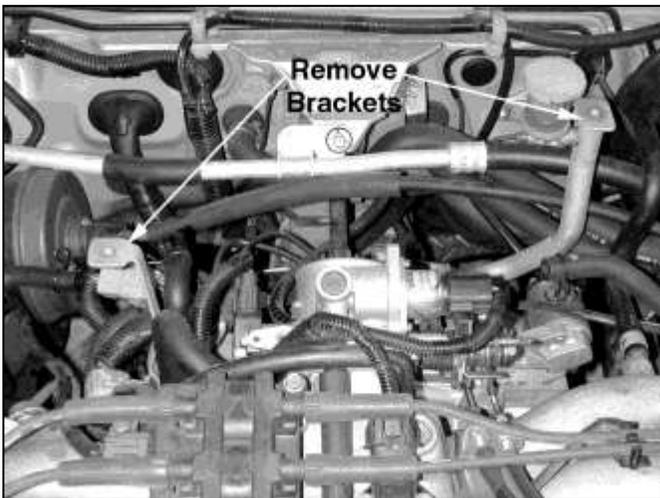


Fig. 2



Fig. 3

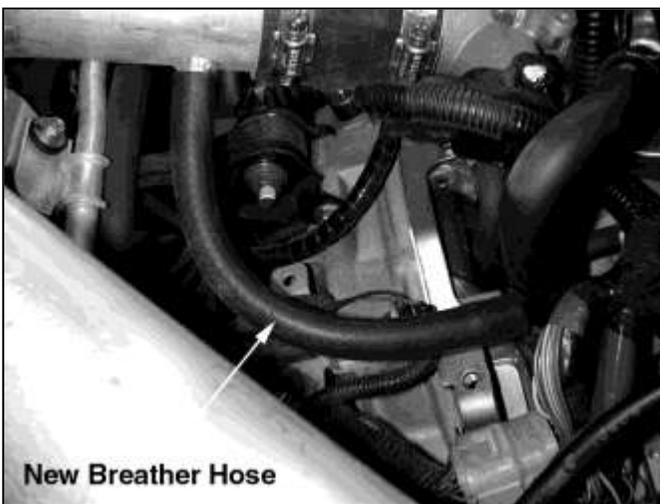


Fig. 4a

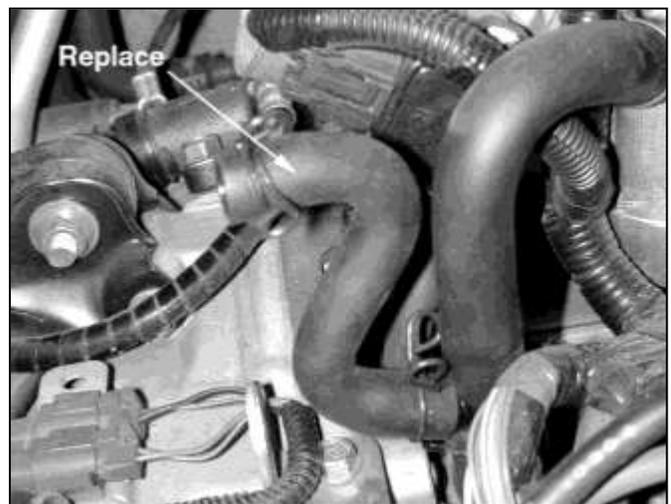


Fig. 4b

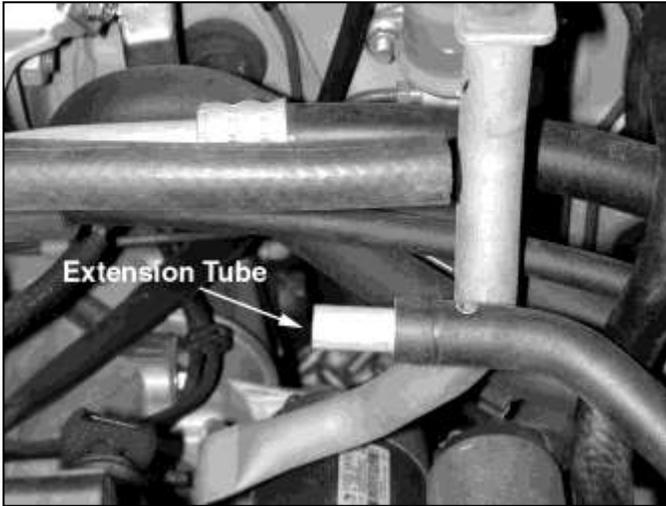


Fig. 5a

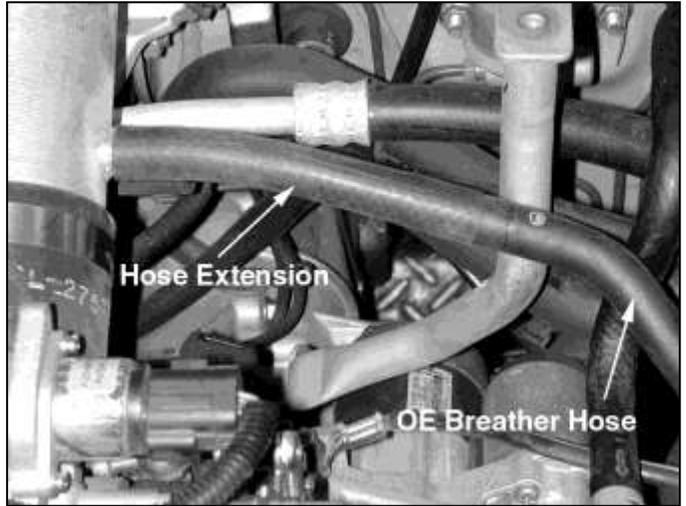


Fig. 5b



AEM® intake system installed

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[®] 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[®] 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.