



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

## INSTALLATION INSTRUCTIONS

### PART NUMBER: 22-474

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2007	SUBARU	Impreza WRX STi	H4-2.5L	SEE * NOTE
2004-2006	SUBARU	Impreza WRX STi	H4-2.5L	C.A.R.B. E.O. # D-670
2007	SUBARU	Impreza WRX	H4-2.5L	SEE * NOTE
2006	SUBARU	Impreza WRX	H4-2.5L	C.A.R.B. E.O. # D-670
2002-2005	SUBARU	Impreza WRX	H4-2.0L	C.A.R.B. E.O. # D-670
2005-2006	SAAB	9-2X	H4-2.5L	SEE * NOTE
2005	SAAB	9-2X	H4-2.0L	C.A.R.B. E.O. # D-670
2004-2005	SUBARU	Forester	H4-2.5L	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
Air Filter Assy. 2.75 X 5" Dry	1	21-202DK
Short Pipe	1	2-4741
Hose, Hump 2.75/2.75x3.00"	1	5-575
Mount, Rubber 1" X 6mm	1	1228599
Zip Tie, 8" Tree Push-Mnt.	1	1-127
Washer, 6mm Soft Mount	2	559999
Nut, M6 Hex Serrated	2	444.460.04
1/2" Bnd. Hose Clamp, 2.31-3.25"	2	9444
1/2" Bnd. Hose Clamp, 2.56"-3.50"	2	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.

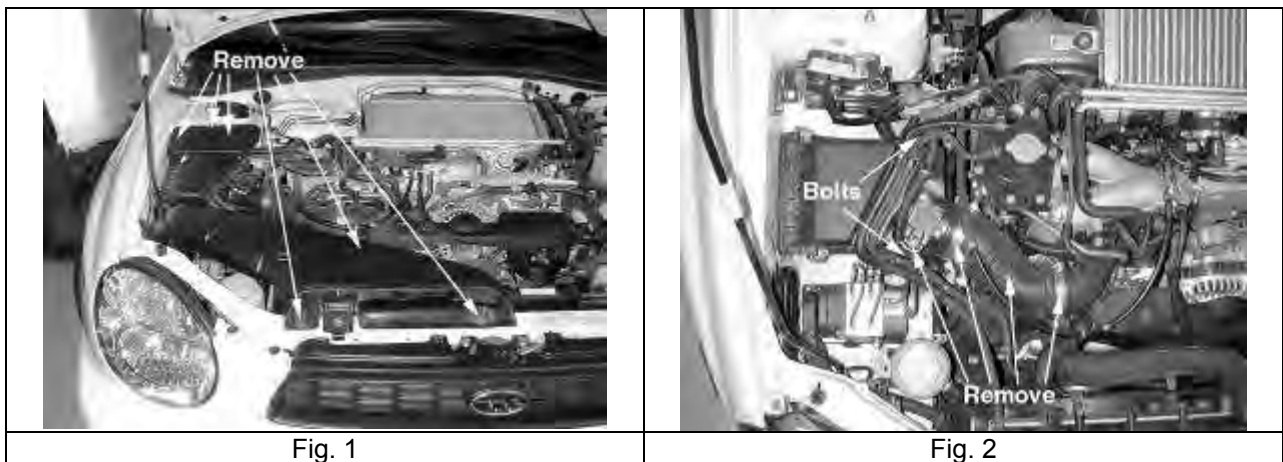
## 1. Preparing Vehicle

- 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. Above the air box, remove the two twist locks and plastic cover.
- b. Remove the two mounting bolts holding the air inlet scoop and remove the scoop from the vehicle. (Fig.1)
- c. Loosen the two hose clamps on the stock air inlet tube and remove it.  
**NOTE: The cable for the cruise control unit is held in place by a clip that is molded in to the stock air inlet tube. Be sure to remove the cable from this clip before removing the tube from the vehicle.**
- d. Unplug the harness from the MAF sensor. Remove the coolant hoses from the clips molded into the top of the air box.
- e. Down on the frame rail, on either side of the air box, are the bolts that hold the air box in place. Remove the two bolts and the air filter box assembly.

**NOTE: Reinstall the bolts after removing the air box. (Fig.2)**



- 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.**
- g. Remove the two plastic clips holding the wheel well liner to the underside of the vehicle's passenger side bumper. (Fig. 3) Your splash shield may look different if it's a 2004, if so you will only remove one clip.
- h. With the front wheels turned all the way to the right, locate the plastic clips just forward of the suspension holding the liner to the passenger side wheel well and remove them. (Fig.4)



Fig. 3

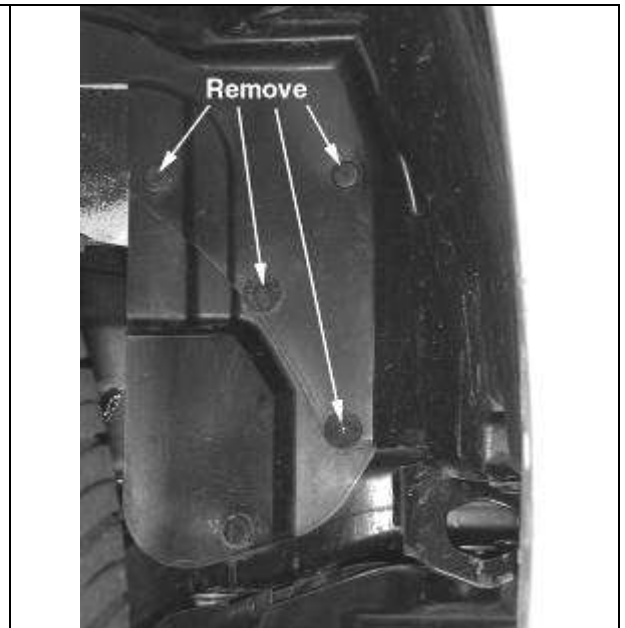


Fig. 4

- i. Remove the nut holding the resonator box to the inner fender. (Fig. 5)
- j. Pull the wheel well liner down and towards the back of the car. Locate the bracket, just behind the driving light, holding the resonator box on the underside of the passenger's side bumper cavity. Remove the nut and the resonator box from the vehicle. (Fig. 6)

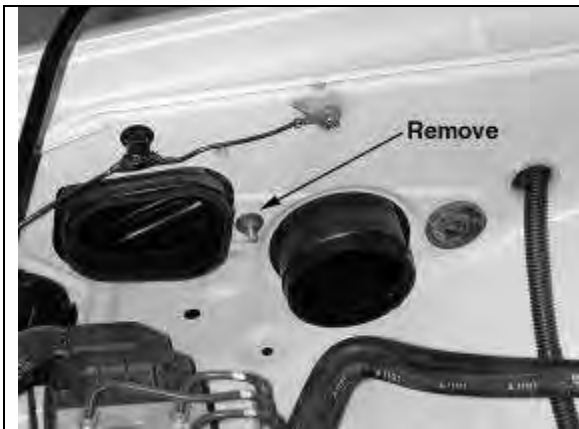


Fig. 5



Fig. 6

### 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. Check to see 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 hose onto the turbo inlet tube using a hose clamp. (Fig. 7)
- d. Install the rubber mount assembly. Secure to the fender with washer and serrated nut. Loosely attach washer and serrated nut to engine bay side of rubber mount. (Fig. 8)

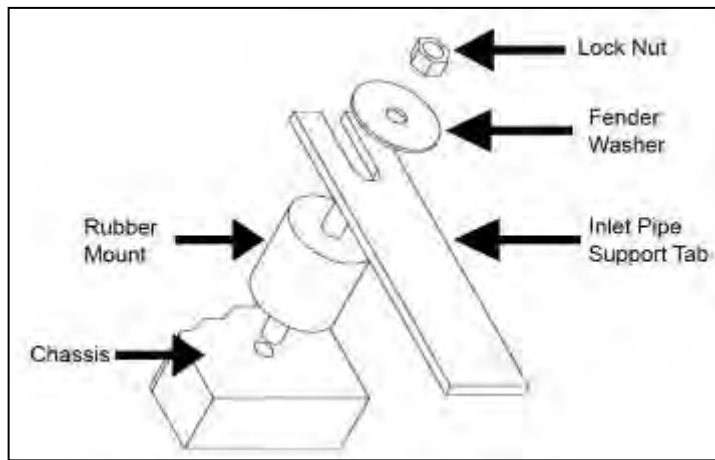


Fig. 7

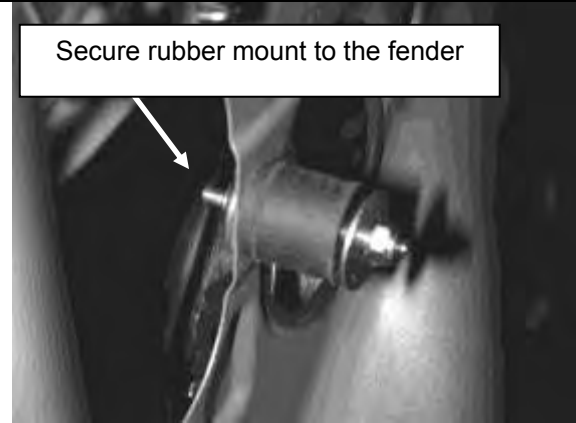


Fig. 8

- e. Remove the MAF sensor from the stock air box assembly. (Fig. 9)
- f. Using the screws removed in (d), install the MAF sensor on to the AEM® inlet pipe.
- g. Install the filter on the end farther from the MAF sensor. Leave the hose clamp loose. (Fig. 10)

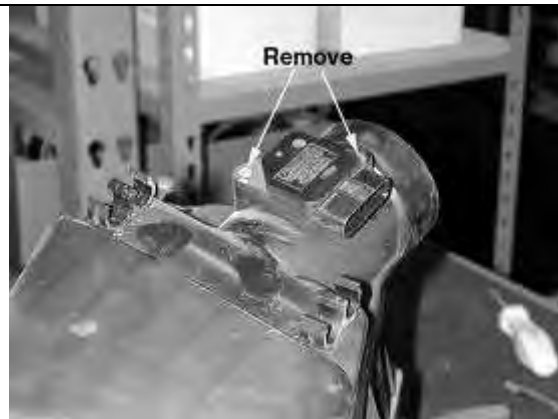


Fig. 9

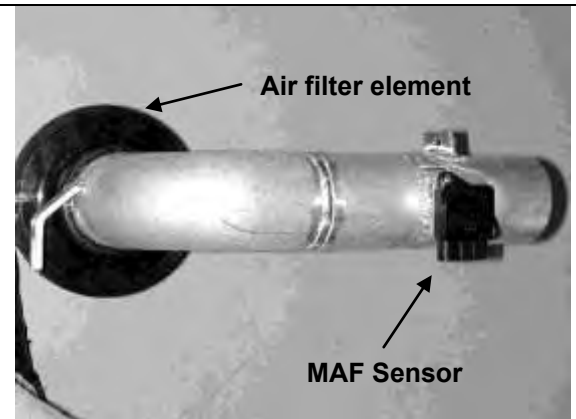


Fig. 10

- h. From the engine compartment, install the Inlet tube.  
**NOTE: The coolant hoses should be below and cruise control cable should be above the AEM® air inlet pipe.**
- i. Slide the inlet pipe into the coupler hose first with the second hose clamp. The MAF sensor plug should be towards the front of the car. Align the bracket with the rubber mount.
- j. Make sure you have the correct placement of all the components for mounting the inlet pipe properly.
- k. Secure the cruise control line with the push mount zip tie. Push into bracket to secure. Trim excess as necessary.

**NOTE: This is not used in the STi models. (Fig. 11)**



Fig. 11



Fig. 15

- l. Plug the harness back into the MAF sensor.
- m. Your AEM® intake system's installation should look similar to Fig. 16.
- n. Reinstall the wheel well liner and all plastic clips that were removed in prior steps.

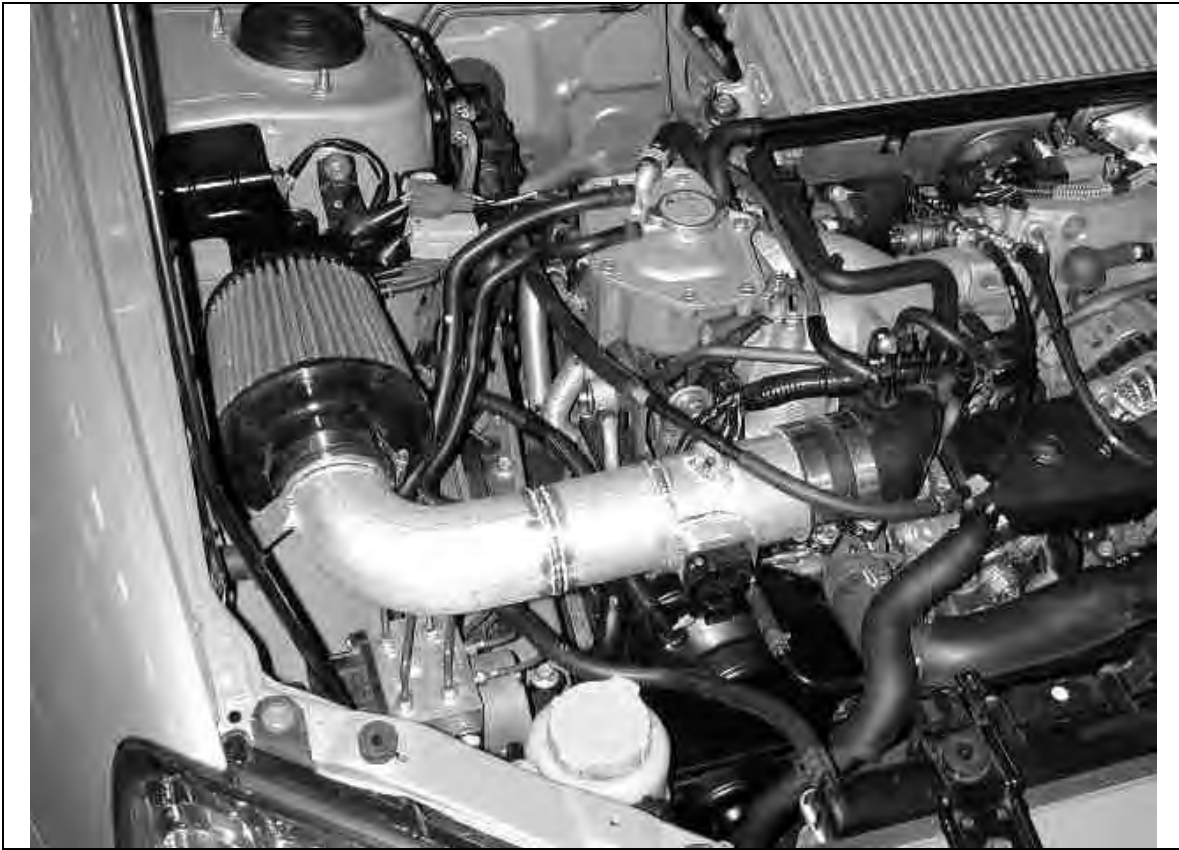


Fig. 16

#### 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<sup>™</sup> 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.