



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER:

21-475B (Blue Finish)

21-475C (Gun Metal Grey Finish)

21-475P (Vacuum Metalized Chrome-VMC)

21-475R (Red Finish)

2005-2006 SUBARU Legacy GT H4-2.5L Turbo

C.A.R.B. E.O. # D-670-15

2005-2006 SUBARU Outback XT H4-2.5L Turbo

C.A.R.B. E.O. # D-670-15

PARTS LIST

Description	Qty.	Part Number
Element Parts Kit 2.75 X 5" Dry Ele.	1	21-202DK
Splash Shield	1	20-475
Inlet Pipe	1	2-590
Hose, Hump 2.75/2.75x3.00"	1	5-575
Mount, Rubber 5/8" X 6mm	2	1228598
Zip Tie,8" Tree Push-Mnt.	1	1-127
Bolt, Socket 8-32 X 1/2"	2	1-2028
Bolt, Hex/Flange M6-1 X 20	2	1-2038
Washer, 6mm Soft Mount	1	08160
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"	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.

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.

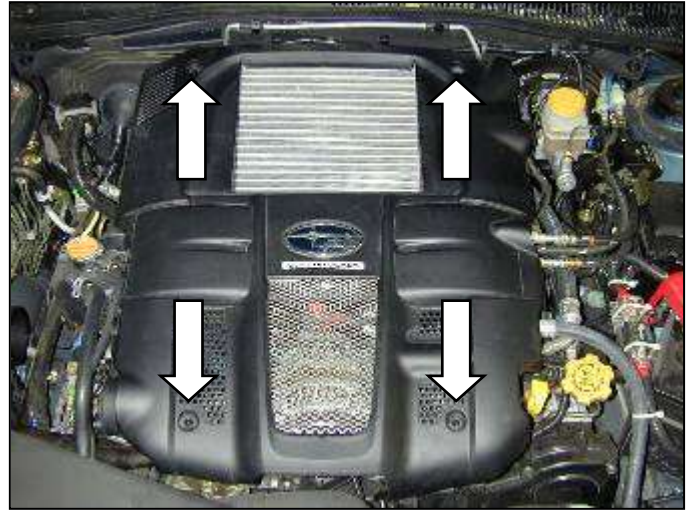
1. Preparing Vehicle

- 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. Factory air box system installed.



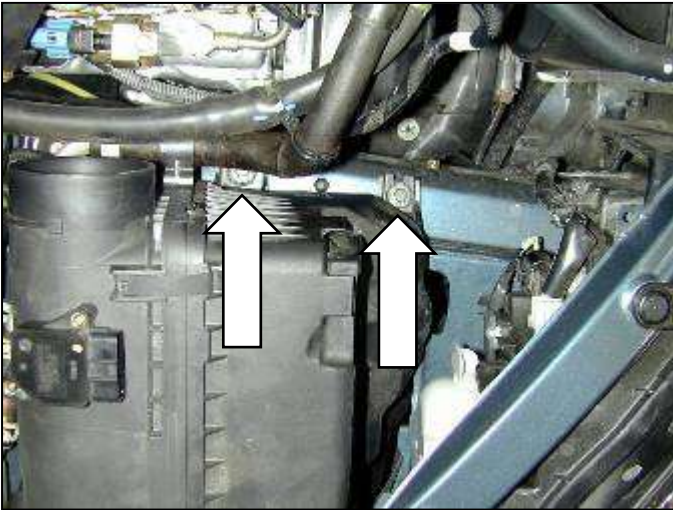
b. Remove four plastic tabs securing engine cover. Remove engine cover. Retain tabs.



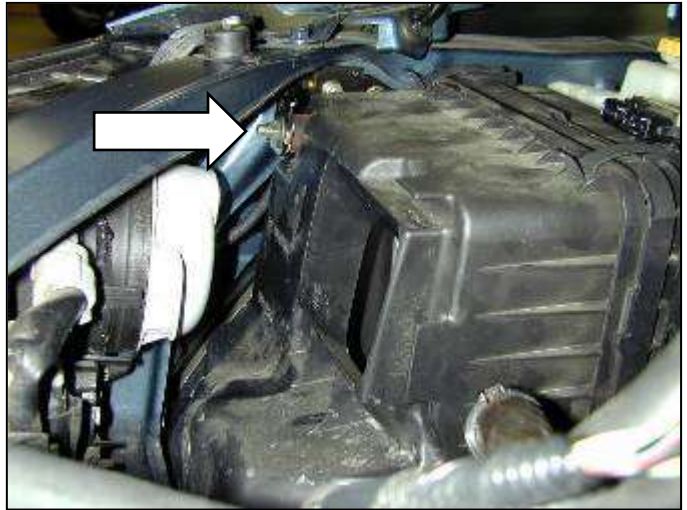
c. Remove two bolts to the air box air duct. Remove air duct.



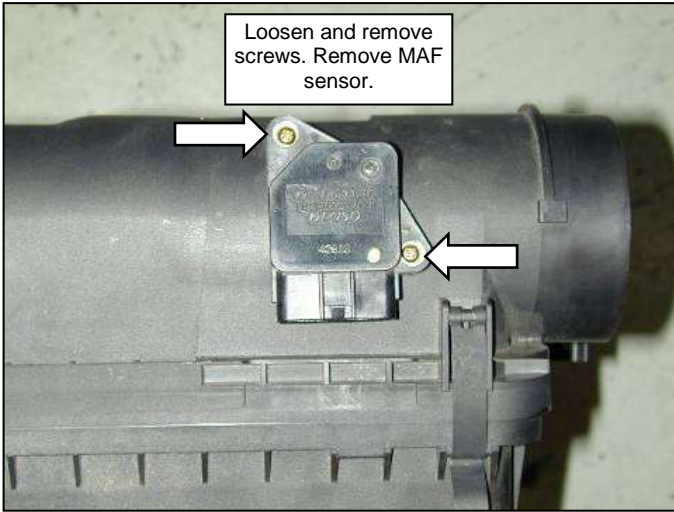
d. Unplug the MAF sensor.



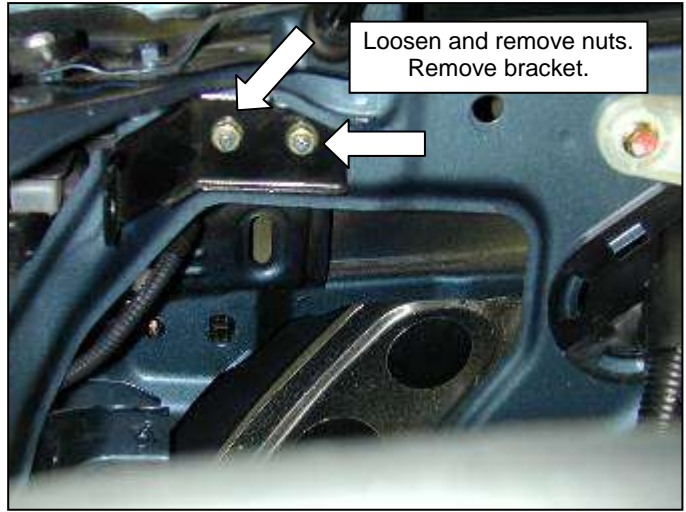
e. Loosen and remove bolts. Retain bolts.



f. Loosen and remove nut. Remove air box assembly.



g. Remove MAF sensor. Be careful not to damage this sensor. Set aside in a safe area.



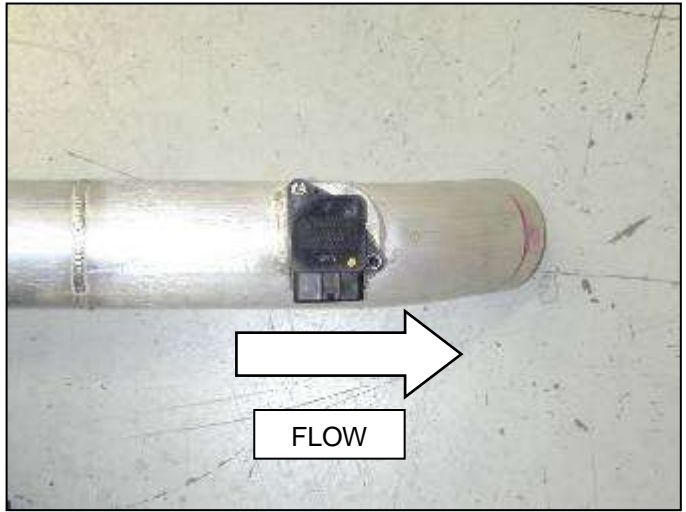
h. Loosen and remove nuts securing air box mounting bracket. Remove the bracket.

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. Attach 2.75" hump hose to the plastic turbo inlet. Attach hose clamps but do not tighten.



c. Insert the MAF sensor into the intake pipe. Tighten with provided hardware.



d. Attach the air filter and tighten.



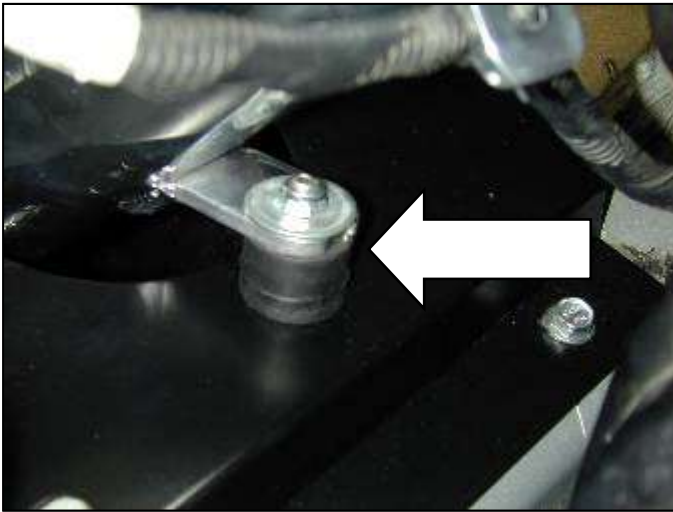
e. Insert rubber mount into the heat shield.



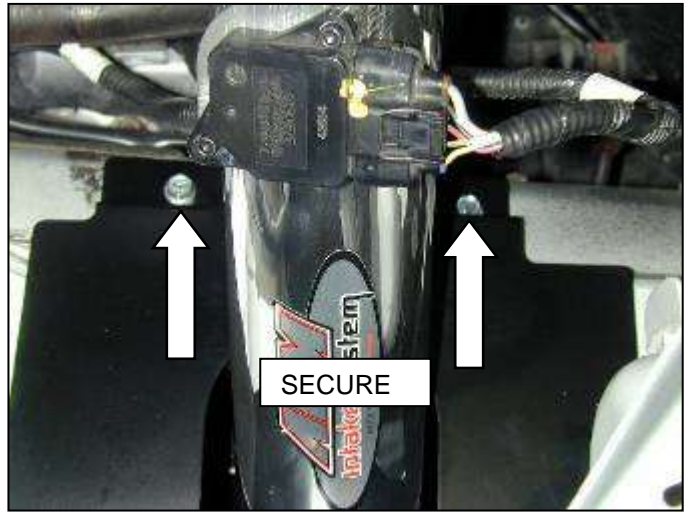
f. Secure rubber mount with washer and Nylok nut. Place the intake into the cavity left by the air box filter first.



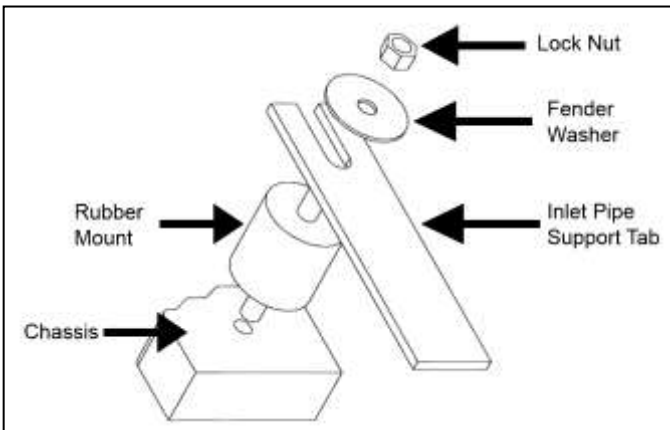
g. Place the heat shield over the intake pipe. Secure the heat shield to the upper two mounting studs left by the air box bracket.



i. Check clearance around the pipe. Secure the bracket to the rubber mount. See diagram below.



j. Secure lower half of the heat shield using the factory bolts.



k. Plug in MAF Sensor. Secure MAF sensor with push-in zip tie to the tab on the underside of the intake pipe.

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).**