



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 21-451

2002-2004 FORD Focus SVT L4-2.0L

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 3.00 X 5" Dry Ele.	1	21-203DK
Upper Pipe	1	2-494
Lower Pipe	1	2-495
Hose; 5/8"ID X 21"L	1	5-7021
Hose, Silicone 2.75x2" Black	1	5-272
Hose, Adapter 2.75/3.00 X 3" Bl.	1	5-273
Mount, Rubber 1" X 6mm	1	1228599
Hose; 5/32"ID X 3"L	1	5-3003
Bolt, Socket 8-32 X 5/16 SS	2	1-2023
Washer, 6mm Soft Mount	2	559999
Nut, M6 Hex Serrated	2	444.460.04
1/2" Bnd. Hose Clamp, 2.90"-3.75"	1	9452
1/2" Bnd. Hose Clamp, 2.31-3.25"	3	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.

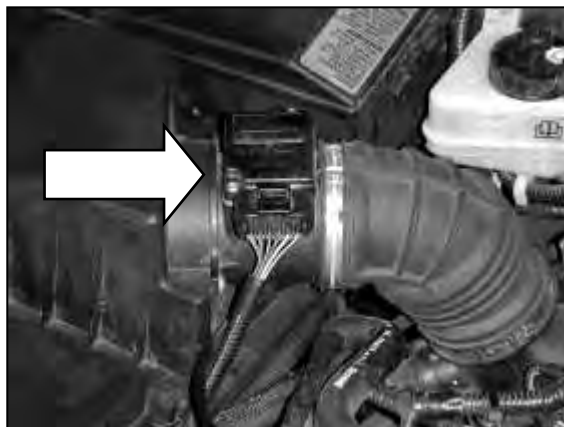
1. Preparing Vehicle

- 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 the negative and positive 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 the wiring harness from the MAF Sensor.



c. Remove the clamp securing the primary inlet tube to the throttle body.



d. Disconnect the breather hose from the vehicle.



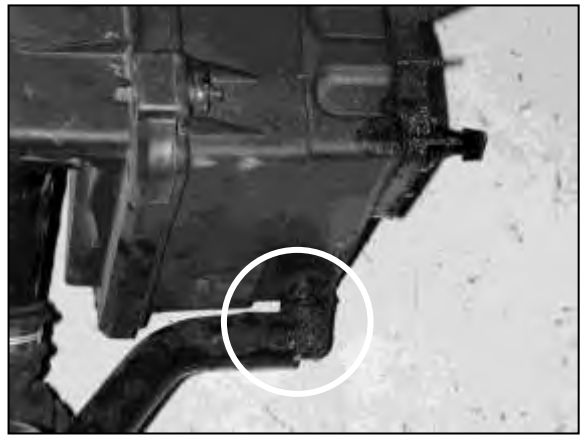
e. Remove the factory air box assembly from the vehicle.



f. Factory air box assembly removed from the vehicle.



g. Remove the MAF sensor from the factory inlet tube.



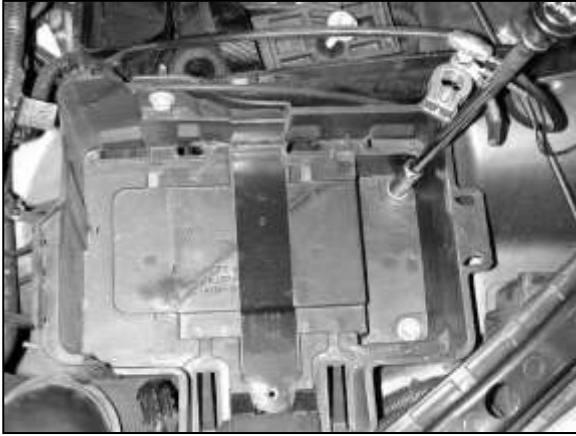
h. Remove the 90 degree plastic fitting from the air box assembly.



i. Remove the battery cover from the vehicle.



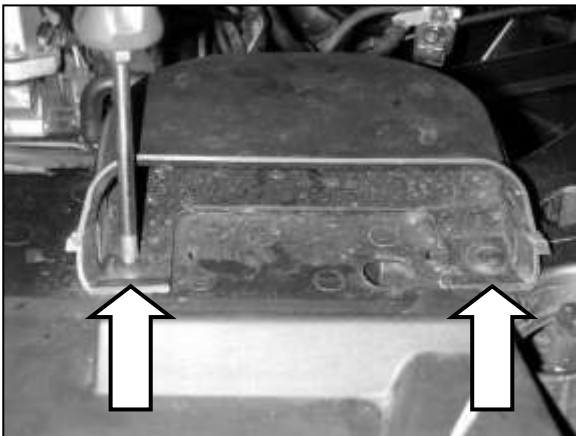
j. Disconnect the battery. Remove the battery from the vehicle.



k. Remove the battery tray from the vehicle.



l. Remove the lower intake pipe tab from the grommet hole.



m. Remove the two bolts securing the air inlet duct from the vehicle.



n. Remove the lower intake pipe assembly from the vehicle.

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. 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.

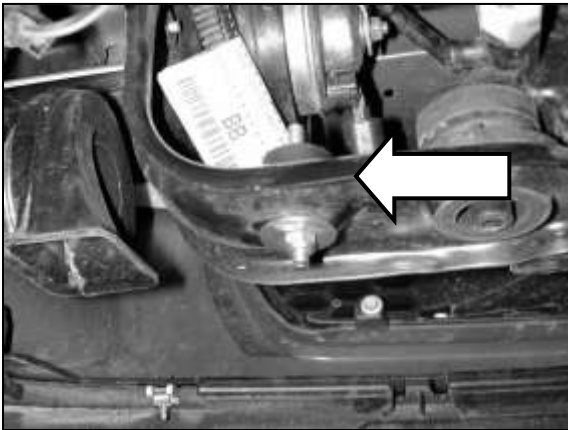
NEVER WORK UNDER A VEHICLE WITHOUT USING JACK STANDS.



c. Install the 2.75" connector hose on the throttle body using the supplied hose clamps.



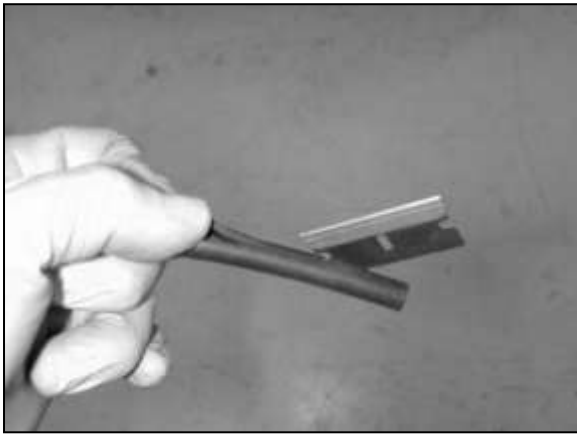
d. Install the 2.75" to 3" connector hose on the end of the upper intake pipe using the supplied hose clamp. Install the MAF sensor onto the intake pipe.



e. Install the rubber mount on the lower radiator mount.



f. Install the upper intake pipe in place as shown.



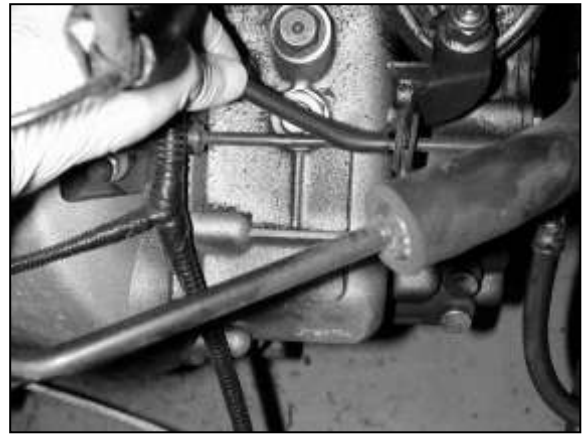
g. Cut the liner hose down the center of one side. Be careful not to cut all the way through the hose.



i. Install the 90 degree plastic fitting in the intake pipe.



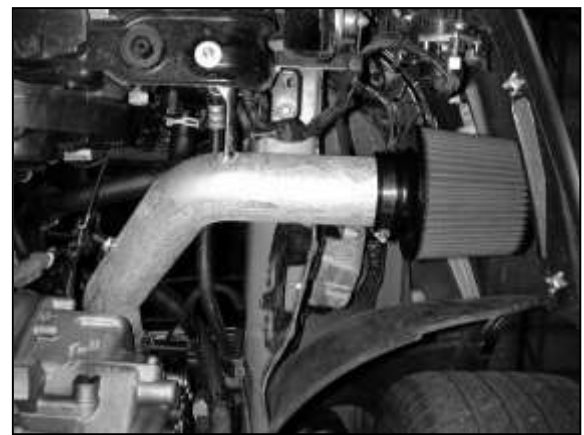
k. Install the lower intake pipe bracket on the rubber mount previously installed in step 3e.



h. Install the hose over the hydraulic line on the transmission to help protect it from wear.



j. Install the lower intake pipe in the vehicle.



l. Install the air filter on the lower intake pipe.



m. Install the new breather hose.



n. Plug in the wiring harness to the MAF sensor.



AEM Intake system installed

4. Reassemble Vehicle

- a. **Battery:** Install the battery tray, battery and battery cover.
 - i. **NOTE: When the battery has been disconnected and reconnected, some abnormal drive symptoms may occur while the vehicle relearns its idle characteristics. The vehicle may need to be driven 10 miles or more to relearn the idle curve.**
- b. 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.
- c. Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- d. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- e. 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.