



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

## INSTALLATION INSTRUCTIONS

### PART NUMBER: 21-452

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2005	FORD	Focus	L4-2.0L
2004	FORD	Focus	L4-2.3L

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**AEM® bypass valves are not compatible with this intake system (part number 21-452)  
DO NOT attempt to install an AEM bypass valve on this intake system!**

LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES  
WHICH MAY NEVER BE USED, REGISTERED  
OR LICENSED FOR USE UPON A HIGHWAY.

See [aemintakes.com](http://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
Upper Pipe	1	2-582
Lower Pipe	1	2-583
Hose, Adapter 2.75/3.00 X 3" Bl.	1	5-273
Hose, Adapter 3.25/3.00 X 2.25"	1	5-323
Mount, Rubber 1" X 6mm	1	1228599
Bolt, Hex/Flange M6-1 X 20	2	1-2038
Washer, 6mm Soft Mount	2	08160
Nut, M6 Hex Serrated	2	444.460.04
1/2" Bnd. Hose Clamp, 2.31-3.25"	1	9444
1/2" Bnd. Hose Clamp, 2.56"-3.50"	2	9448
1/2" Bnd. Hose Clamp, 2.90"-3.75"	2	9452

**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. 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 driver side wheel.
  - f. Do not discard stock components after removal of the factory system.

## 2. Removal of stock system



a. Factory airbox system installed.



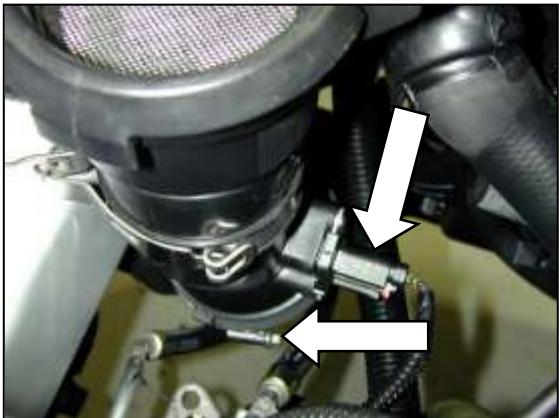
b. Release the fitting on the inlet pipe nipple and loosen the hose clamp at the throttle body.



c. Loosen the two bolts that secure the upper airbox.



d. Remove the upper airbox and the bolt in the frame rail. Release the metal clamp from the Mass Air Flow (MAF) sensor housing.



e. Unplug the MAF sensor. Loosen the hose clamp at the bottom of the MAF housing.



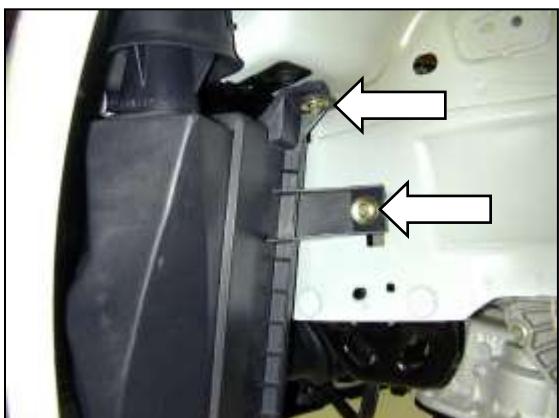
f. Remove the MAF sensor housing and confirm that the air straightener is still attached to the lower opening.



g. From underneath the vehicle, remove the two screws that secure the splash shield.



h. Pull the air snorkel from the splash shield and remove the splash shield.



i. Remove the two screws near the upper rear section of the lower airbox.



j. Remove the screw in the upper front section of the lower airbox. Remove the lower airbox.

### 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 the rubber reducer with two hose clamps onto the throttle body.



d. Attach the silicone reducer onto the MAF sensor housing.



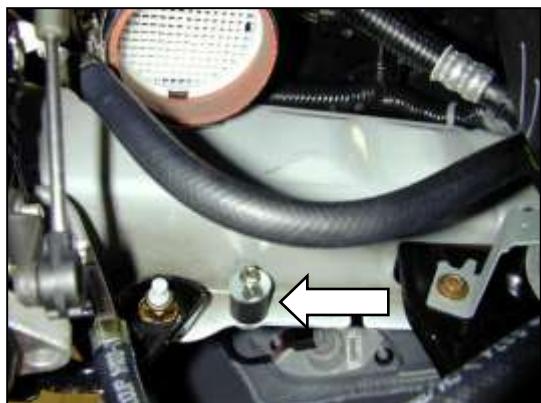
f. Connect the MAF sensor wire harness to the MAF sensor.



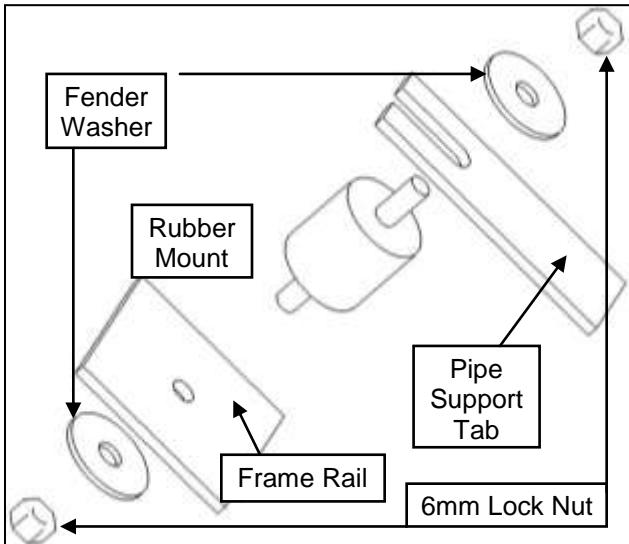
c. Secure the upper inlet pipe to MAF housing with the supplied bolts.



e. Install the upper intake pipe onto the throttle body. Attach the breather hose to the intake pipe's nipple.



g. Install the rubber mount into the frame rail with a supplied washer and lock nut.



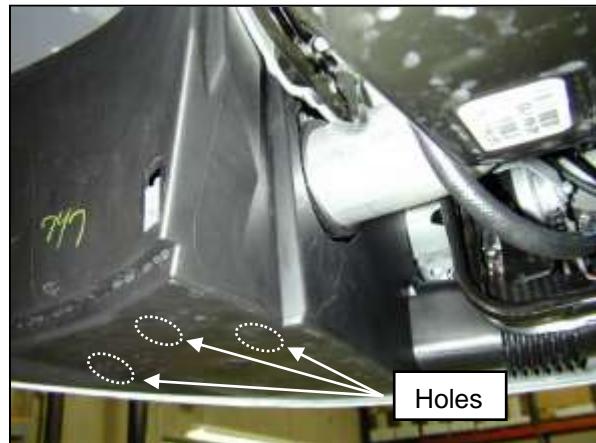
h. Proper installation of the rubber mount assembly.



i. Install the lower intake pipe into the lower coupler of the MAF sensor housing. Align the intake pipe's bracket with the rubber mount secured to the frame rail.



j. Secure the AEM® air filter onto the end of the lower intake pipe with the provided hose clamp.



k. Reinstall the splash shield. Drill  $\frac{1}{2}$ " holes in the bottom of the splash shield to facilitate water drainage.

**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.**



AEM® intake system installed

#### 4. Reassemble Vehicle

- a. **Fender liner:** Install the fender liner and any hardware that was removed during step 2g.  
**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 driver 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 the negative battery terminals and start engine. Let the vehicle idle for 3 minutes. Perform a final inspection before driving the vehicle.
- g. Please note that AEM® bypass valves will not work with this application (part number 21-452). The use of a bypass valve could have adverse effects on the performance of the system.

#### 5. 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](mailto: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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