



Equipped with AEM® Dryflow™ Filter  
No Oil Required!

# INSTALLATION INSTRUCTIONS

**PART NUMBER: 21-8012**

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2003-2005 HUMMER H2 V8-6.0L

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

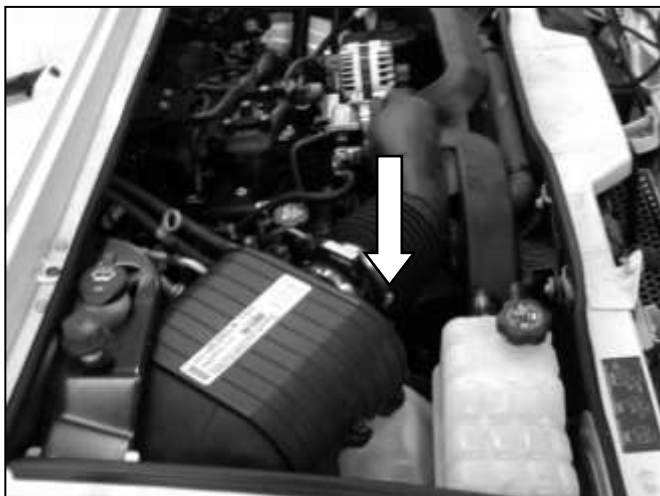
Description	Qty.	Part Number
Air Filter Assy. 6.00 X 9" Dry Ele.	1	21-2099DK
Inlet Pipe	1	2-80121
Heat Shield	1	20-80123
Hose, Adapter 4.0/3.75x3.0" Bl.	1	5-438
Elbow, 4.00 Tight 90 Deg	1	5-490
Edge Trim, 12"	2	8-4012
Adapter, A/F GM	1	9-7000N
Mount, Rubber 1" X 8mm	1	1228560
Rubber Edge Trim 16"	1	8-3016
Washer, 8mm Soft Mount	2	559960
Nut, M8 Hex Serrated	2	444.460.08
1/2" Bnd. Hose Clamp, 4.125-7.00"	1	94104
1/2" Bnd. Hose Clamp, 3.56"-4.50"	4	9464

**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.**

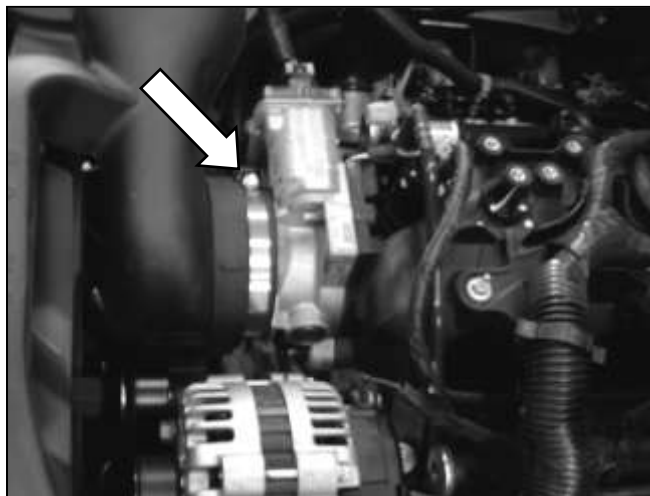
## **1. Preparing Vehicle**

- 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.

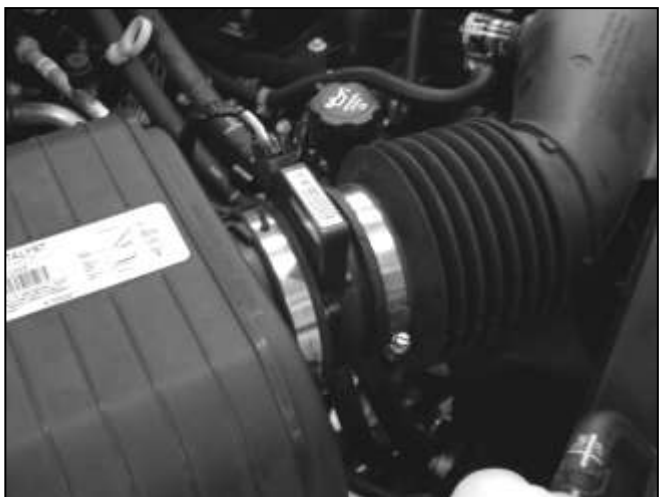
## **2. Removal of stock system**



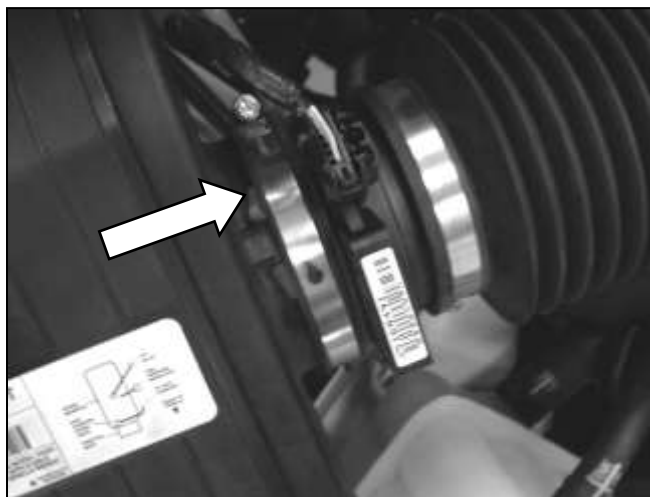
a. Loosen hose clamp on the MAF side of the inlet hose.



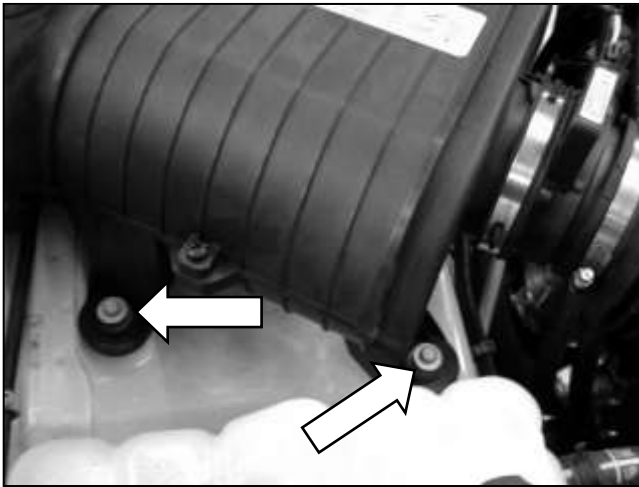
b. Loosen hose clamp on throttle body.



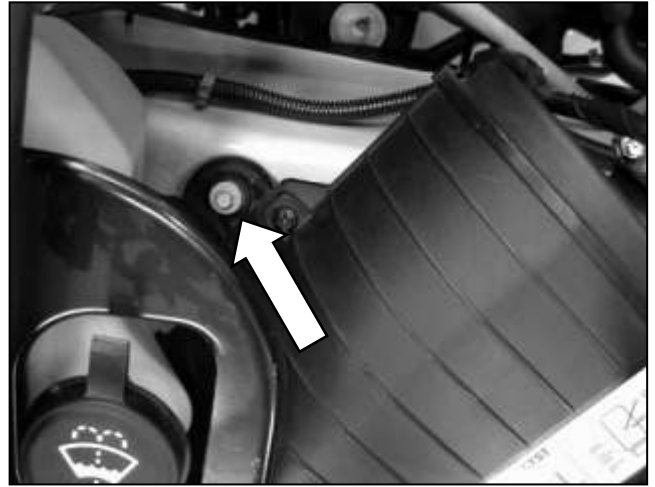
c. Loosen the hose clamp connecting the MAF sensor to the air box.



d. Unplug MAF sensor.



e. Loosen 2 of the bolts holding in the stock air box.



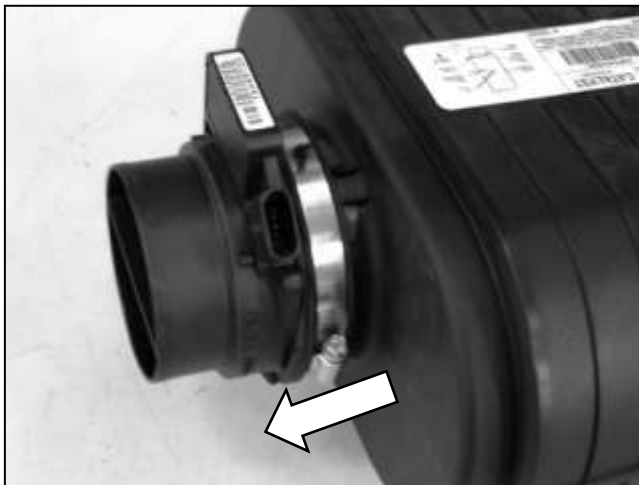
f. Loosen the third bolt holding in the stock air box.



g. Remove the stock air tube from the throttle body up to the air box.



h. Remove stock air box.



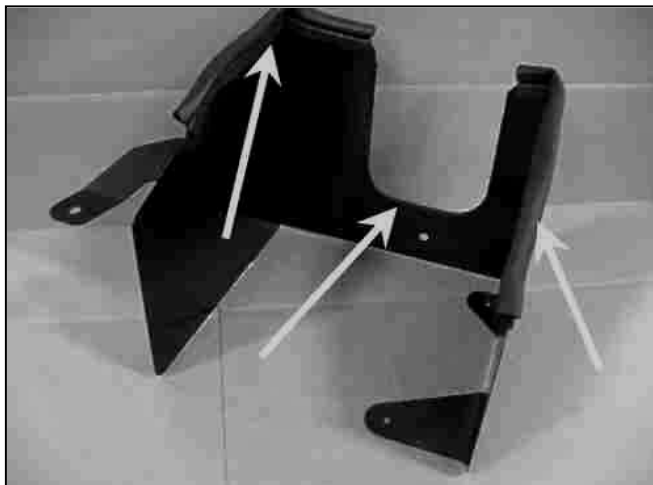
i. Remove the MAF sensor from the stock air box.



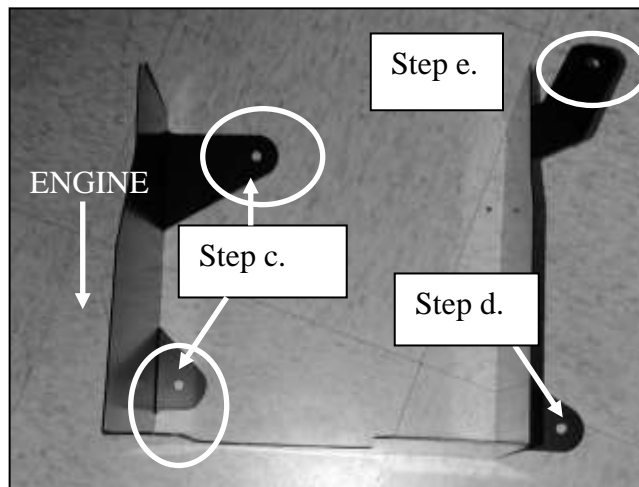
j. Remove bolt closest to the front of the car, near the windshield wiper reservoir.

### 3. Installation of AEM® intake system.

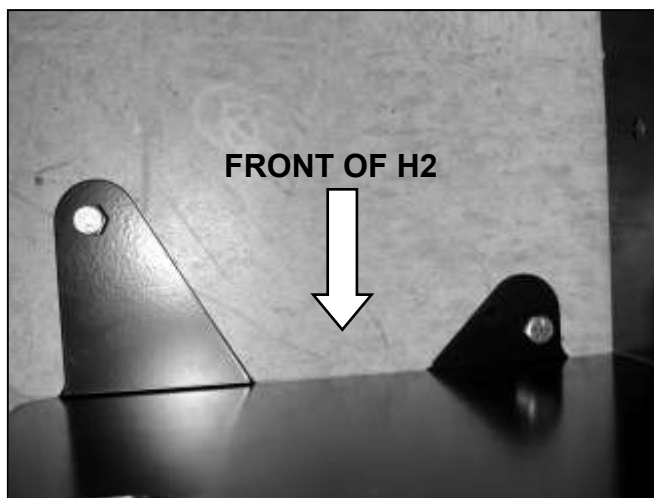
- a. When installing the intake system, do not completely tighten the hose clamps or mounting hardware until instructed to do so.



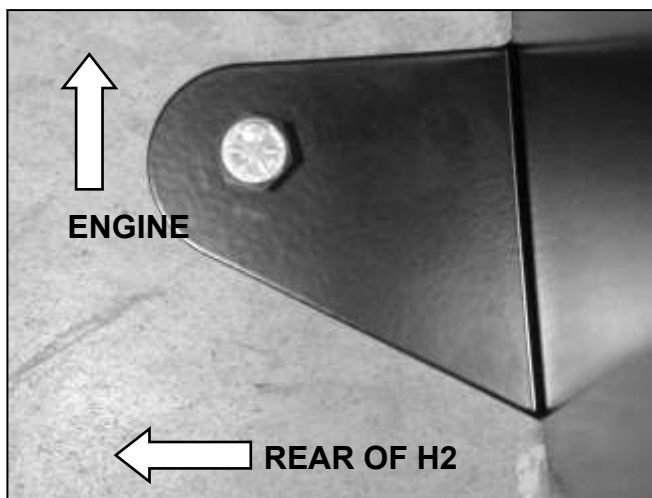
b. Install the sponge gasket (8-4012) to the upper edges of the heat shield and the rubber edge trim (8-3016) to the opening of the heat shield as shown above.



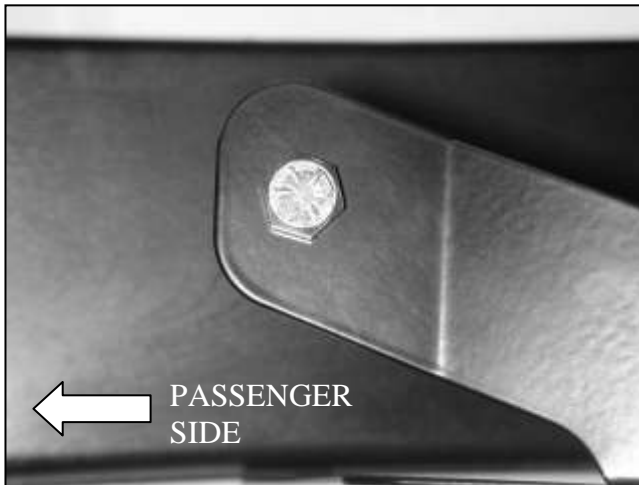
c. Take note of the mounting locations. Stock bolts will be used to install at the stock locations. (Steps in picture refer to installation process)



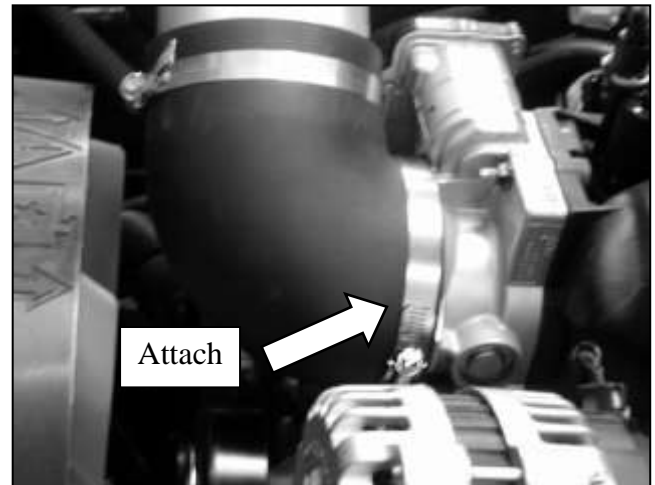
d. Align heat shield mounting holes with the mounting holes left by the factory air box. Secure heat shield with factory bolts. Refer to step 2e in the removal process and step 3c in the installation process.



e. The third hole is located near the window washer bottle. Refer to step 2f in the removal process, and step 3c in installation process.



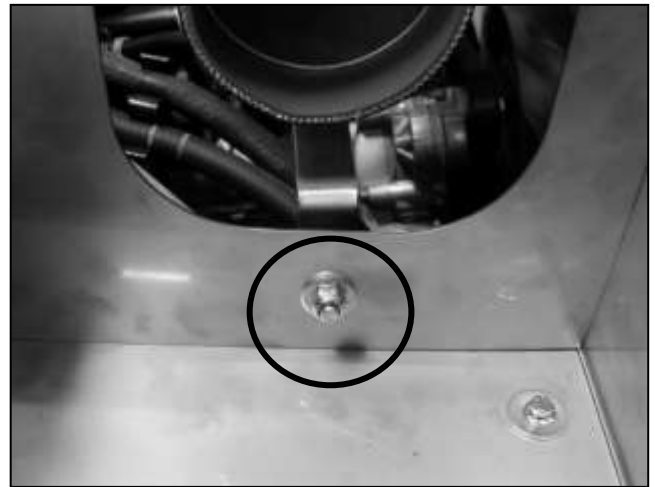
f. The fourth hole is located near the bracket on top of the window washer bottle. Refer to step 2j in the removal process, and step 3c in the installation process.



g. Attach the 90-degree coupler. The short end of the coupler-attaches to the throttle body.



h. Insert the inlet pipe into the 90-degree coupler. Secure with provided hose clamps.



i. Secure the rubber mount to the heat shield as shown.



j. Assemble the air filter and adapter as shown.



k. Attach the MAF sensor assembly and coupler to the air filter-adapter assembly.



l. Attach the air filter assembly to the intake pipe and secure. Plug in MAF sensor.



m. Ensure the radiator hose clears the underside of the inlet 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<sup>®</sup> 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<sup>®</sup> intake tube.
- c. Use window cleaner to clean your powder coated AEM<sup>®</sup> 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<sup>®</sup> 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.