



Equipped with AEM® *Dryflow™ Filter*  
No Oil Required!

## INSTALLATION INSTRUCTIONS

**PART NUMBER: 21-8018**

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2006	HUMMER	H3	L5-3.5L	C.A.R.B. E.O. # D-670-2
2004-2006	CHEVROLET	Colorado	L5-3.5L	C.A.R.B. E.O. # D-670-2
2004-2006	GMC	Canyon	L5-3.5L	C.A.R.B. E.O. # D-670-2

## PARTS LIST

Description	Qty.	Part Number
Air Filter Assy. 3.00 X 9" Dry Ele.	1	21-2039DK
Inlet Pipe	1	2-80181
Heat Shield	1	20-8019
Hose, Adapter 3.00/3.25x3" Blk.	1	5-320
Hose; 1/2"ID X 12"L	1	5-5012
Mount, Rubber 1" X 8mm	1	1228560
Cap, Press Reg.	1	8-107
Connector, Plastic 5/16" Straig.	1	8-148
Hose; 5/16ID X 8"L	1	5-2008
Bolt, Hex M8-1.25 X 20mm	2	1-2034
Washer, 8mm Soft Mount	4	559960
Nut, M8 Hex Serrated	3	444.460.08
1/2" Bnd. Hose Clamp, 2.56"-3.50"	1	9448
1/2" Bnd. Hose Clamp, 2.90"-3.75"	2	9452
Hose Clamp, 1"	2	08407
Edge Trim, 23"	1	8-4023

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



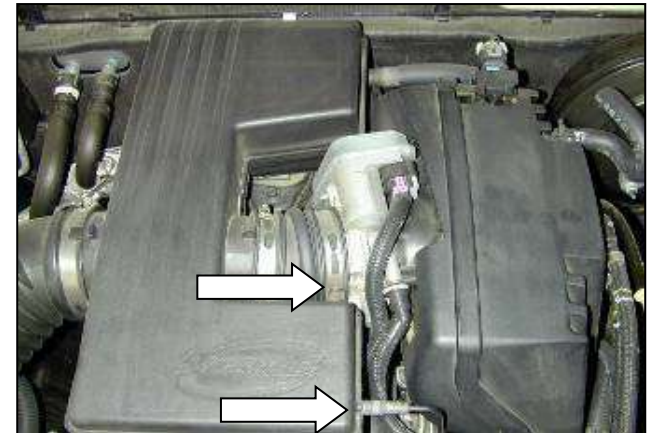
a. Factory air box system installed.



b. Unplug the wire harness from the Mass Air Flow (MAF) sensor. Remove the two screws retaining the MAF sensor and carefully remove the MAF sensor.



c. Loosen the hose clamp on the stock air box. Remove the air box by removing the two bolts and the nut securing it. Lift air box out of vehicle.



d. Loosen the hose clamp on the throttle body attached to the stock intake resonator. Unplug the small breather hose connected to the front of the resonator. On 2006 and new trucks the small breather hose is not present.



e. Remove the two bolts on the air resonator. Lift the resonator up and remove the breather hose from the valve cover. Remove the small breather hose from the front of the resonator and remove the resonator.



f. Factory air box system removed.

### 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 supplied rubber mount on to the AEM® heat shield using one each of the supplied washers and locknuts.



c. Install the AEM® heat shield using the two supplied bolts and washers and the original air box mounting nut. Install rubber edge trim to the top of the heat shield.



d. Install the MAF Sensor using the original mounting screws. Use caution to avoid damaging the o-ring.



e. Install the reducing coupler on the end of the intake pipe using the #48 hose clamp.



f. Slide the bracket side of the pipe through the heat shield hole. Align the coupler with the throttle body and secure using the #52 hose clamp.



g. Align the intake pipe bracket with the rubber mount on the heat shield. Use the supplied washer and nylok nut to partially secure.



h. Check to be sure that the AEM<sup>®</sup> air filter is clear from and debris. Attach the air filter to the end of the AEM<sup>®</sup> intake pipe as shown.



i. Attach the supplied 1/2" hose between the intake pipe and the valve cover as shown. Trim to fit and secure using the supplied hose clamps.



j. Insert the supplied plastic barb fitting into the end of the small breather hose removed in step 2d. Attach the supplied 5/16" hose between the plastic barb fitting and the intake pipe. For the 2006 and newer trucks refer to step 3k.



k. For 2006 and newer trucks you will need to plug off the smaller nipple located in the front of the pipe.



I. Position the AEM<sup>®</sup> intake for best fitment. Be sure that the pipe or any other component is not in contact with any part of the vehicle. Tighten the hose clamps at the throttle body. Tighten the nut on the mounting bracket. Re-adjust pipe if necessary. Re-connect the MAF wire harness.



Factory air box system installed



AEM<sup>®</sup> intake system installed

#### 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.
- b. Most General Motors trucks (including Chevrolet) have the Vehicle Emissions Certification Information (VECI) label affixed to the air filter box. In order to be compliant with California emissions laws, the label MUST remain in the engine compartment. If the Vehicle Emission Control Information label is removed during modification, a new replacement label must be obtained and installed in a readily visible position in the engine compartment. The label shall not be affixed to any equipment which is easily detached from the vehicle. We recommend that the label is affixed to the underside of the hood adjacent to the hood latch. The label is Vehicle Identification Number dependent and can be ordered from the vehicle dealership. In order to receive the proper decal please bring your VIN with you. Failure to have the VECI under the hood may result in failure of a pre-registration smog test.

## 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<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).**