



Equipped with AEM® Dryflow™ Filter
No Oil Required!

INSTALLATION INSTRUCTIONS

PART NUMBER: 21-8600

2006-2008

HONDA Ridgeline V6-3.5L

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

PARTS LIST

Description	Qty	Part Number
Air Filter Assy. 3.25 X 9" Dry Ele.	1	21-2109DK
Inlet Pipe	1	2-86001
Hose; 5/16ID X 15"L	1	5-2015
Hose, Adapter 3.25/3.00 X 2.25"	1	5-323
Hose; 1/2"ID X 15"L	1	5-5015
Zip Tie, 6 Long	1	1-113
Zip Tie, 8" Tree Push-Mnt.	1	1-127
Mount, Rubber 1" X 6mm	1	1228599
Washer, 6mm Soft Mount	1	08160
Nut, M6 Hex Serrated	1	444.460.04
1/2" Bnd. Hose Clamp, 3.15"-4.00"	1	9456
1/2" Bnd. Hose Clamp, 2.90"-3.75"	1	9452
1/2" Bnd. Hose Clamp, 2.56"-3.50"	1	9448
Hose Clamp, 3/4"	2	4093-5
Hose Clamp, 1"	2	99024.032

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



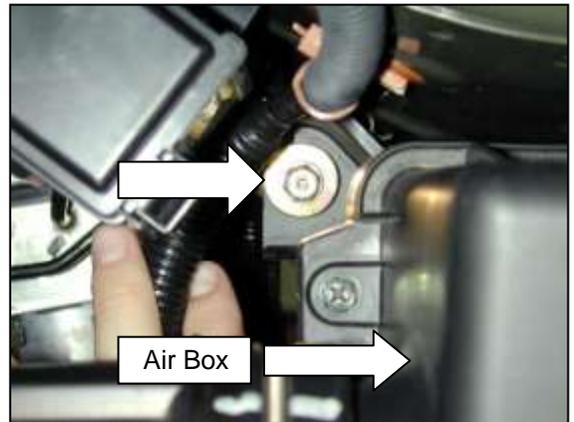
a. Stock air box system configuration.



b. Remove the plastic intake air duct by removing the three plastic retaining clips. Be sure not to lose or damage any of these parts as they will be reinstalled.



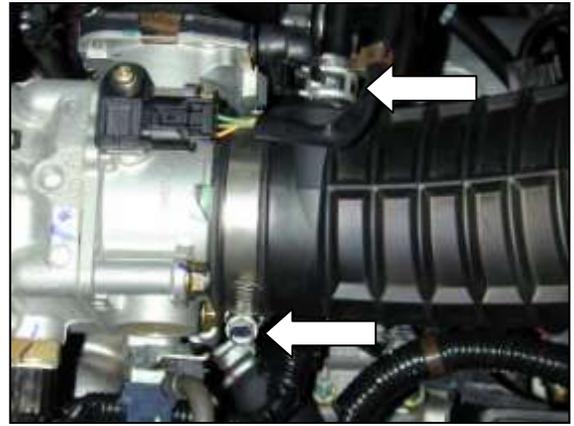
c. Remove the plastic intake air duct by removing the three plastic retaining clips. Be sure not to lose or damage any of these parts, they will be reused in installation.



d. Remove the rear mounting bolt holding the stock air box in place.



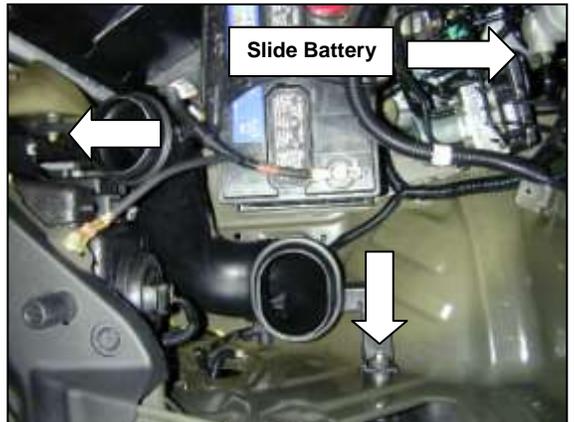
e. Unclip the wiring harness from the inlet air hose.



f. Loosen the hose clamp on the throttle body. Remove the valve cover breather hose from the air inlet pipe by compressing the flanges on the retaining clip and sliding the hose out.



g. Remove the remaining bolt securing the air box to the chassis. Carefully remove the air box from the vehicle by lifting it straight up off the lower inlet tube.

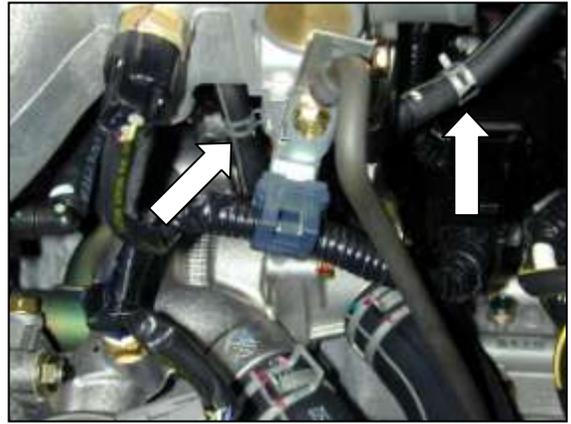


h. Remove the two bolts securing the lower inlet tube to the truck body. In order to remove the tube, loosen the battery hold down brackets and slide the battery forward for clearance. Once the inlet tube is removed, move the battery back to its original location and secure.



i. **CAUTION: Ensure the engine is completely cool before removing the coolant hose, or hot coolant will escape from the cooling system and cause injury or damage. Be sure to capture any lost coolant in a clean container.**

The next step will be to remove the metal tubing loom, which will include the breather hose, coolant hose and a bracket holding the TBM wire harness. Make sure to note proper hose routing. (Place a rag under the loom as coolant will leak from the lower hose).



j. Closer view of tubing loom routing. Use pliers to slide the spring clamps over the breather and coolant hoses. A flat-head screwdriver may be needed to pry the hoses off the coolant line nipples.



k. Remove the short rubber hose attached to the valve cover breather nipple.



l. Stock 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 provided 5/16" hose where the factory coolant line was removed. Use the supplied 3/4" hose clamps to secure the hose.



d. Install the rubber mount where the lower inlet tube was previously removed.



c. Check to see that the inside of the inlet pipe and air filter are clean and free from any foreign objects and/or obstructions. Install the supplied push in zip tie in the bracket as shown.



e. Install the silicone reinforced adapter over the throttle body and secure using a # 48 hose clamp.



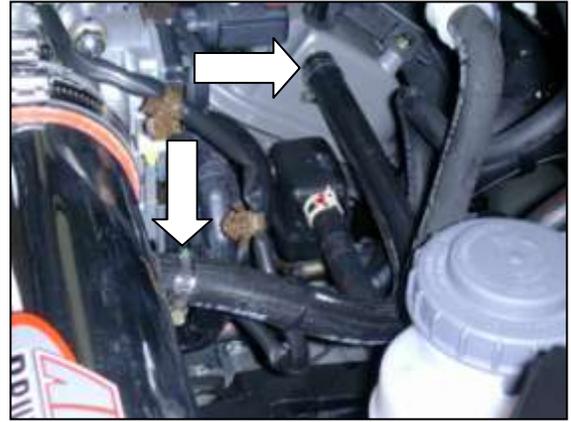
f. Install the AEM® intake pipe into the previously installed coupler.



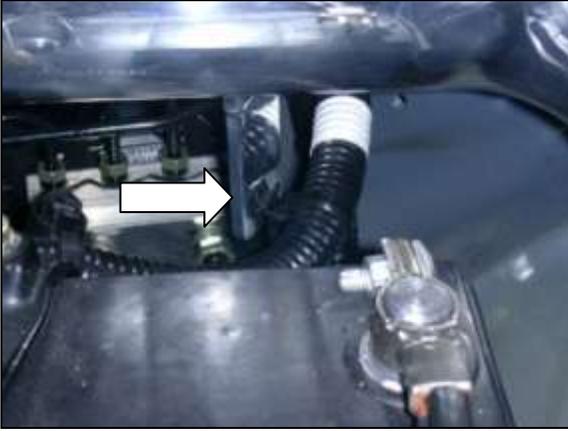
g. Guide the bracket on the intake pipe over the stud on the rubber mount. Once aligned, install the supplied washer and nylok nut onto the stud. Do not tighten until fitment is complete.



h. Install the AEM® air filter on to the end of the inlet tube. Push the air filter over the inlet pipe until the stop in the air filter is reached. Once proper fitment is achieved, install the supplied hose clamp to secure the filter onto the inlet pipe.



i. Install the supplied ½" breather hose between the intake pipe and the valve cover as shown. Use the supplied 1" hose clamps to secure. Secure the TBM wire harness to the valve cover breather hose using the supplied zip tie.



j. Secure the battery wiring harness to the intake pipe using the previously installed zip tie.



k. Install the stock air inlet duct using the three plastic connectors previously removed.



Stock air box system installed



AEM® intake system installed

4. Reassemble Vehicle

- Coolant:** Replace any coolant that was recovered during the hose removal in step 2i by replenishing the recovery tank.
- 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.
- Check for proper hood clearance. Re-adjust pipes if necessary and re-tighten them.
- Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- 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

- 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).**