

Intake Installation Instructions

2003-2008 Dodge Ram 1500 5.7L V8

2003-2008 Dodge Ram 1500 4.7L Magnum V8

2003-2008 Dodge Ram 2500 5.7L V8

- Tools Required:**
- 8mm socket
 - 10mm socket
 - 13mm socket
 - 10mm wrench
 - 13mm wrench
 - 5/16" nut driver or Flat Blade Screwdriver

- Parts List**
- 1- Intake tube
 - 1- Air Filter
 - 1- Heat Shield
 - 1- Rubber Vibration Mount
 - 2- M8 Fender washers
 - 2- M8 Lock Nut
 - 1- 3.5" Coupler (5.7L)
 - 1- 3.25"-3.5" coupler (4.7L)
 - 3- 3.5" Clamps
 - 2- 3/4" Clamps
 - 24"- 3/4" Hose
 - 2"- Rubber Seal
 - 35"- Rubber liner
 - 1- Small Grommet
 - 1- Large Grommet
 - 1- Hose sleeve
 - 1- Plug



Step 1
Safety First! Before you begin your installation disconnect the negative terminal on your battery. Verify all components listed are present before beginning your installation.



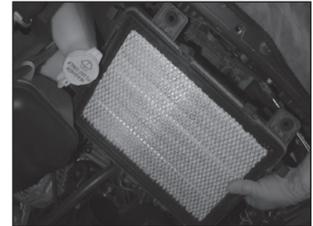
Step 2
Start by loosening the clamps securing the OE intake tube to the intake plenum and the air box.



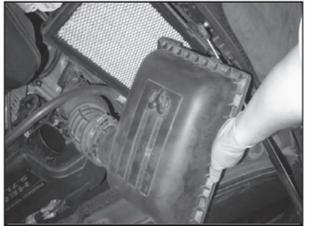
Step 3
Unclip the upper air box cover.



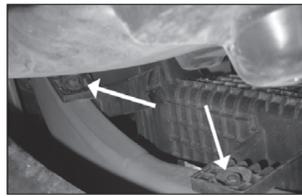
Step 6
Use a 13mm socket remove the two bolts that secure the air box support bracket. Set bolts to the side for later use.



Step 5
Grab the air box from both sides and pull up and out. The air box is held in place with rubber grommets.



Step 4
Remove the air box cover and intake tube.



Step 7
Remove the 8 screws securing the inner fender on the passenger side. Push out the plastic wire clip attached to the rear of the inner fender. Remove the inner fender.



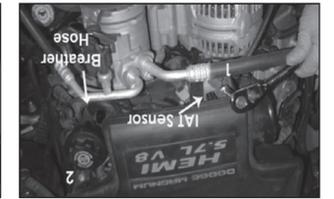
Step 8
Remove the two 13mm bolts securing the air box support bracket. Remove the air box support bracket.



Step 9
Disconnect the LAT sensor connector (if equipped). Loosen the two 10mm bolts securing the plenum. Loosen the clamp at the throttle body. Disconnect the breather hose from the oil filler neck on 5.7L engine or from the rear breather tube on the 4.7L engine.



Step 10
Lift and remove the plenum cover. Remove the orange o-ring surrounding the throttle body.



Step 11
Install the 3.5" coupler (5.7L engine) or the 3.25"-3.5" reducing coupler (4.7L engine) on the throttle body and secure with the supplied clamp. Install a second clamp but do not tighten at this time.



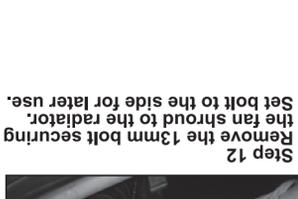
Step 12
Remove the 13mm bolt securing the fan shroud to the radiator. Set bolt to the side for later use.



Step 13
Insert the bracket end of the tube into the heat shield. It will be necessary to rotate the tube as it is inserted into the hole to clear the bracket. Insert the other end into the coupler. Do not tighten the clamp yet. Place the bracket over the rubber vibration mount stud and install the supplied lock nut and fender washer (do not fully tighten yet). Reconnect the LAT sensor (if equipped).



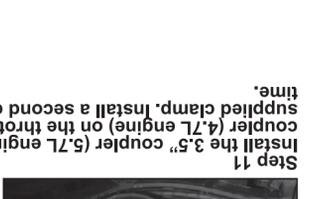
Step 14
Attach the rubber seal and the rubber liner to the heat shield as shown. Fully secure using a fender washer and lock nut.



Step 15
Install the heat shield using one of the bolts removed in step 6, one of the bolts removed in step 8, and the fan shroud bolt removed in step 13.



Step 16
Remove the LAT sensor (if equipped - some 4.7L models do not have this sensor) from the stock plenum by gently twisting counterclockwise. Remove the o-ring from the sensor. Insert the supplied rubber grommet into the intake tube. Install the sensor into the grommet, using care not to push the sensor, install the supplied plug into the hole in the intake tube.



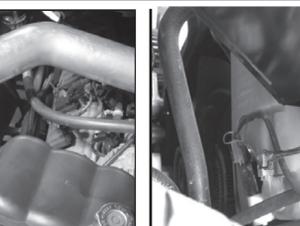
Step 17
Insert the bracket end of the tube into the heat shield. It will be necessary to rotate the tube as it is inserted into the hole to clear the bracket. Insert the other end into the coupler. Do not tighten the clamp yet. Place the bracket over the rubber vibration mount stud and install the supplied lock nut and fender washer (do not fully tighten yet). Reconnect the LAT sensor (if equipped).



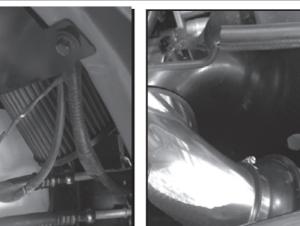
Step 18
On 5.7L engines, cut breather hose to ten inches, install on the oil filler tube and secure with the supplied clamp. On 4.7L engines, install supplied hose sleeve on rear breather tube fitting, install the breather hose over the sleeve, and secure with the supplied clamp. Install the other end to the intake tube with the supplied clamp.



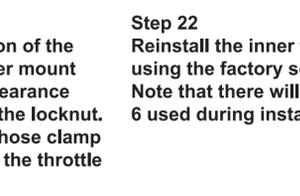
Step 19
Insert the air filter by sliding it up from below and secure with the supplied clamp. Insert correct picture.



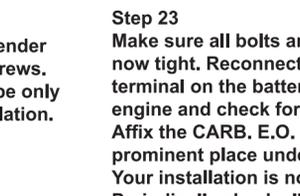
Step 20
Check filter for clearance with wires and hoses. If necessary, use the included large grommet and place in the shield. Disconnect the wires and hose from the washer pump and reroute through the grommet.



Step 21
Adjust the position of the tube on the rubber mount for best fit and clearance and fully tighten the locknut. Fully tighten the hose clamp on the coupler at the throttle body.



Step 22
Reinstall the inner fender using the factory screws. Note that there will be only 6 used during installation.



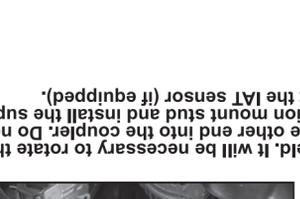
Step 23
Make sure all bolts and clamps are now tight. Reconnect the negative terminal on the battery. Start up the engine and check for any air leaks. Affix the CARB, E.O. sticker in a prominent place under the hood. Your installation is now complete. Periodically check all clamps and brackets.



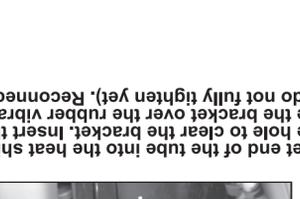
Step 24
Adjust the position of the tube on the rubber mount for best fit and clearance and fully tighten the locknut. Fully tighten the hose clamp on the coupler at the throttle body.



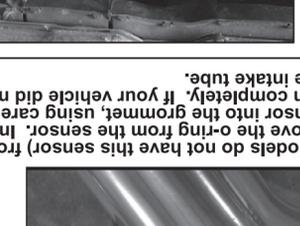
Step 25
Install the heat shield using one of the bolts removed in step 6, one of the bolts removed in step 8, and the fan shroud bolt removed in step 13.



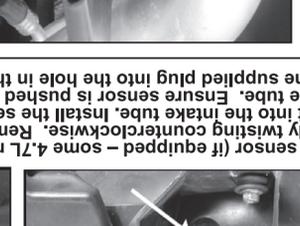
Step 26
Remove the LAT sensor (if equipped - some 4.7L models do not have this sensor) from the stock plenum by gently twisting counterclockwise. Remove the o-ring from the sensor. Insert the supplied rubber grommet into the intake tube. Install the sensor into the grommet, using care not to push the sensor, install the supplied plug into the hole in the intake tube.



Step 27
Insert the bracket end of the tube into the heat shield. It will be necessary to rotate the tube as it is inserted into the hole to clear the bracket. Insert the other end into the coupler. Do not tighten the clamp yet. Place the bracket over the rubber vibration mount stud and install the supplied lock nut and fender washer (do not fully tighten yet). Reconnect the LAT sensor (if equipped).



Step 28
Attach the rubber seal and the rubber liner to the heat shield as shown. Fully secure using a fender washer and lock nut.



Step 29
Check filter for clearance with wires and hoses. If necessary, use the included large grommet and place in the shield. Disconnect the wires and hose from the washer pump and reroute through the grommet.



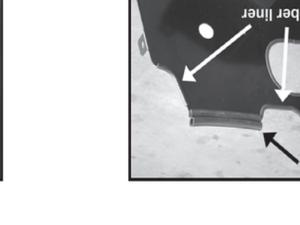
Step 30
Adjust the position of the tube on the rubber mount for best fit and clearance and fully tighten the locknut. Fully tighten the hose clamp on the coupler at the throttle body.



Step 31
Install the heat shield using one of the bolts removed in step 6, one of the bolts removed in step 8, and the fan shroud bolt removed in step 13.



Step 32
Remove the LAT sensor (if equipped - some 4.7L models do not have this sensor) from the stock plenum by gently twisting counterclockwise. Remove the o-ring from the sensor. Insert the supplied rubber grommet into the intake tube. Install the sensor into the grommet, using care not to push the sensor, install the supplied plug into the hole in the intake tube.



Step 33
Insert the bracket end of the tube into the heat shield. It will be necessary to rotate the tube as it is inserted into the hole to clear the bracket. Insert the other end into the coupler. Do not tighten the clamp yet. Place the bracket over the rubber vibration mount stud and install the supplied lock nut and fender washer (do not fully tighten yet). Reconnect the LAT sensor (if equipped).