

AIR RAID®

INTAKE SYSTEMS

301-149 INSTALLATION INSTRUCTIONS

2002-05 Dodge Ram 4.7L

NOTE: DOES NOT FIT 2006 AND NEWER DODGE RAM

Thank you for purchasing the Airaid Intake System. Please read the instruction manual carefully before proceeding with the installation. Contact Airaid @ (800) 498-6951 8:00 AM - 5:00 PM MST weekdays for questions regarding fit or instructions that are not clear to you. Your Airaid Intake System was carefully inspected and packaged. Check that no parts are missing, or were damaged during shipping. If any parts are missing, contact Airaid. The air filter element is protected from direct exposure to water and debris; care should be taken not to drive through deep water. WATER INGESTION IS THE DRIVERS RESPONSIBILITY!

Thank you for selecting Airaid.



Packing List:

KIT925T	Modular Intake Tube	1
KITHUMPHS01	Urethane Hump Hose	1
701-445	Airaid Premium Filter	1
KIT125-1DC	Cool Air Dam	1
KITWSTRIP02	Weather Strip 33 1/4"	1
KIT149HPS	Hardware & Instructions	1
- KITHS56	#56 Hose Clamp	1
- KITHS60	#60 Hose Clamp	2
- KITSNP16M4	#16 Speed Clamp	3
- KITSNP19M4	#19 Speed Clamp	1
- KITSNP24GHS	#24 Speed Clamp	1

Packing List (cont'd):

- KITGRMT01	Grommet Plug for 2002	1
- KITGRMT02	Grommet 2003-2004	1
- KITHOSE01	1/2" x 4 1/2" Hose	1
- KITELBOW01	90° Plastic Elbow	1
- KIT106CAP	Rubber Hose Cap	1
- KIT125-1CAP	Black Rubber Cap	1

Tools Required for this Installation:

Flat Head Screwdriver
10mm Wrench

Installation Instructions Read Me!



1. Disconnect the negative battery cable and loosen the two hose clamps on the factory air tube



2. **2004-05 Models Only:** Disconnect the factory breather hose from the factory air box lid.



3. Unsnap and remove the factory air box lid, tube, & factory air filter.



4. Loosen and remove the two 10mm bolts holding on the factory throttle body air chamber intake assembly.



hose on the back of the factory throttle body air chamber.



6. **2003-05 Models Only:** Disconnect air temperature sensor wire on back of factory throttle body air chamber and remove sensor. Retain sensor for later use with the Airaid Intake System.



7. Unsnap the factory intake assembly from front of bracket and remove assembly from vehicle. (*Note: leave the factory coupler on the throttle body*)



8. **2002 Models Only:** Install rubber grommet plug into the hole on the side of the Airaid tube.



9. **2003-2005 Models Only:** Install rubber grommet w/thru hole and insert the factory air temperature sensor into the grommet.



10. Position the Airaid Cool Air Dam in place of the original air box lid. Snap in place.

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- 11.** Mount the Airaid Premium filter inside the Cool Air Dam & secure with hose clamp provided. In addition, install the weather strip hood seal on the Cool Air Dam. (*Hint: begin in a corner and work it on toward the ends*)



- 12.** Install urethane hump hose onto the Airaid tube and secure using a # 60 hose clamp provided.



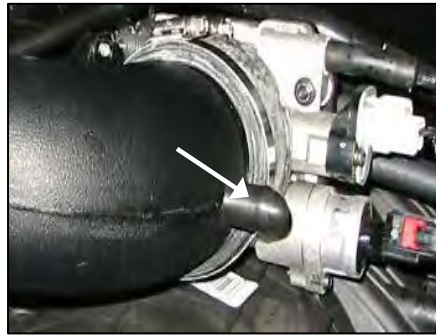
- 13.** Position Airaid tube into place by connecting hump hose to Airaid Cool Air Dam and connect the other end of the tube to the factory throttle body coupler. Utilize the #60 hose clamps on the hump hose and #56 hose clamp on the factory coupler.



- 14.** Re-connect air temperature sensor connector to the sensor in the Airaid tube.



- 15.** 2002 & 2003 Models Only: Use the 90° plastic elbow provided, connect the factory breather hose with the 4 1/2" hose to the Airaid tube & secure using the three #16 black Speed clamps.



- 16.** 2004-05 Models Only: Slide the provided rubber cap over the nipple at the throttle body end of the Airaid tube.



- 17.** 2002 & 2003 Models Only: Slip the black rubber cap over the nipple on the Cool Air Dam and secure using the #19 Speed clamp provided.



- 18.** 2004-05 Models Only: Connect the factory breather hose to the Airaid Cool Air Dam & secure using the #24 Speed clamp provided.

- 19.** Double check your work to be certain that all nuts, bolts, and clamps are securely fastened.

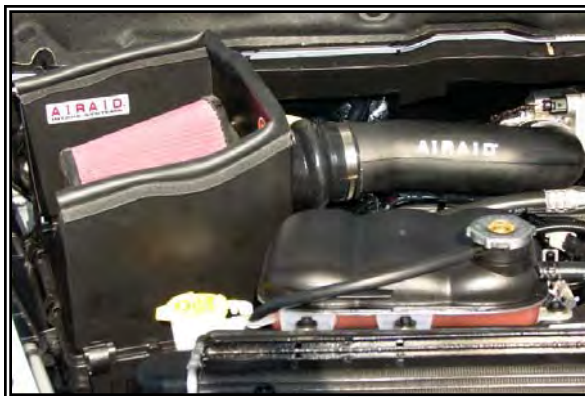
- 20.** Reconnect the negative battery cable.



Before



After!



SynthaMax®

Do Not Oil

Synthamax Air Filters do not require oil. Service air filter as needed by cleaning with common non-petroleum all-purpose household cleaner and water. Simple Green®, Formula 409® or equivalent works great. Apply cleaner to outside of air filter and allow to soak. Then flush filter clean from the inside out with a garden hose and repeat steps if necessary. Do not apply high pressure water or air to clean filter. Allow filter to air dry and reinstall.

Instructions Revision
Date: 10/25/10