

AIR RAID®

INTAKE SYSTEMS

311-144 INSTALLATION INSTRUCTIONS

91-95 Jeep Wrangler 4.0L

(Does Not Fit Vehicles With Optional Anti-Lock Brakes)

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:

701-452	Airaid Premium Filter	1
KIT144MAFC	MAF Panel Black	1
KIT144BPC	Bottom Panel Black	1
KIT144BC	Brace	1
KIT144T	Plastic Intake Tube	1
KITWSTRIP02	Weather Strip 32"	1
KITHUMPHOSE03	Hump Hose	1
KIT COUPLER08	Coupler	1
KITHOSE01	1/2"x10" Hose	1
KIT144HPS	Hardware & Instructions	1
- KIT09FWZ019	1/4" Flat Washer	4
- KIT6NWSAPZ	#6 Flat Washer	5
- KIT6CNKEPZ	6-32 Keps Nut	5
- KIT6C31MXPPZ	6-32 x 5/16" Screw	5

Packing List (cont'd):

- KIT25C62HCSS	1/4-20 x 5/8" Hex Bolt	3
- KIT25CNNES	1/4-20 Lock Nut	3
- KITGRMT05	Grommet	1
- KITHS48	#48 Hose Clamp	2
- KITHS60	#60 Hose Clamp	2
- KITSNP16M4	Black Speed Clamp	3
- KITSNP14M4	Black Speed Clamp	2
- KIT09FEZ025125	1/4" Fender Washer	2
- KITFITTING09	1/4"NPTx1/2" Barbed Fitting	1
- KITHOSE06	3/8"x4" Hose	1

Tools Required for this Installation:

Phillips Screwdriver, Flat Blade Screwdriver
10mm Socket, 5/16", 7/16" Sockets & Ratchet

Installation Instructions. Read Me!



1. Disconnect negative battery cable. Remove factory valve cover breather hose from airbox, and valve cover.



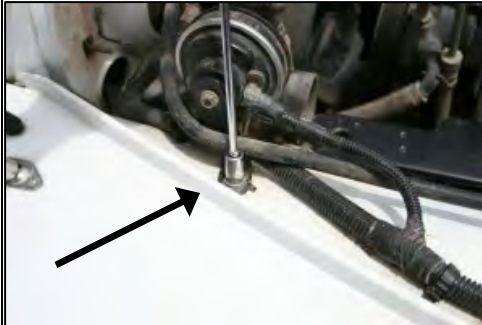
2. Unhook vacuum line from airbox, and remove from vehicle at the canister below the master cylinder. (Save for later use.)



3. Pry open the plastic clamp that holds the factory intake tube to the throttle body. Unhook the 3 metal latches on the airbox that hold it to the mounting plate, and remove the intake assembly.



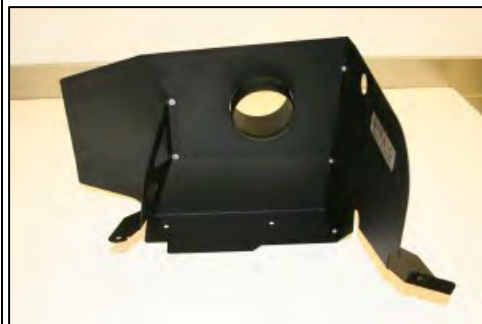
4. Remove the two grommets from the airbox mounting plate.



5. Using a 10mm socket, remove the horn bolt. (Save for later use.)



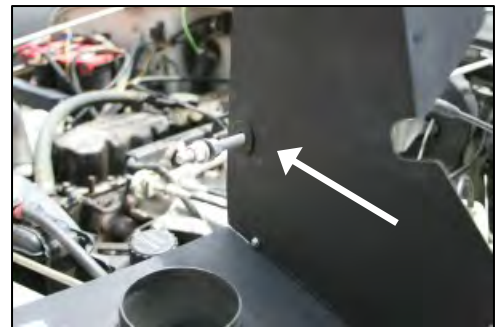
6. Carefully remove wire loom clamp from hole in fender.



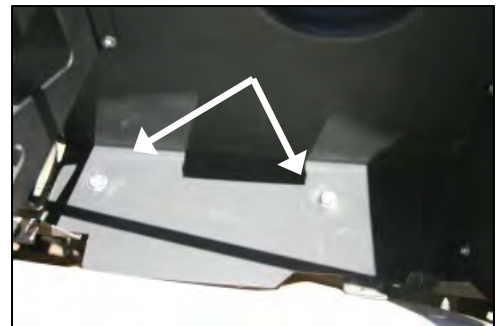
7. Assemble the Cool Air Dam as shown using the 5 screws, washers, and nuts provided.



8. Using a 9/16" wrench, loosen the nut on the radiator rod support, and lift it up.



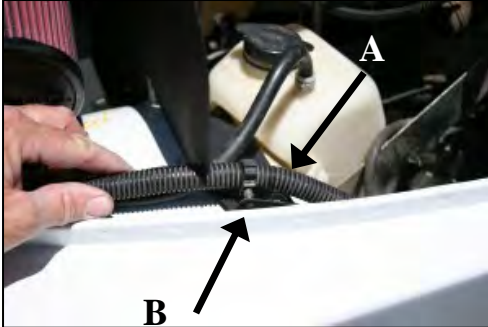
9. Carefully slide the CAD over the support rod, and then slide the supplied grommet over the rod, and into the hole in the CAD as shown. Rotate the CAD and place into position on the factory airbox mount. Reinstall the radiator support rod, and tighten the nut.



10. Install two 1/4"-20 bolts and washers thru the top, and fender washers and nuts on the bottom, where the factory grommets were removed.



11. Slide the **CAD** bracket under the horn mount and reinstall the factory bolt from step 5.



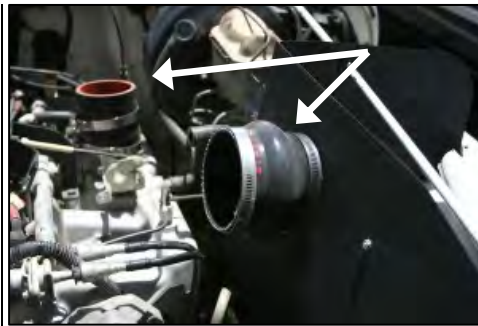
12. A) Using a 1/4"-20 bolt, washers, and nut, bolt the **CAD** to the fender. B) Install the wire loom clamp into the hole in the **CAD**, as shown.



13. Remove the factory hose from step 2, and install the new 3/8"x 4" hose on the end of the vacuum line as shown. Reinstall vacuum line. (Refer to step 2.)



14. Install the 1/4" barbed fitting into the intake tube.



15. Install hump hose on **CAD** with #52 hose clamps, and the coupler on the throttle body with #44 hose clamps as shown.



16. Slide intake tube into the hump hose first, and then into the coupler. Adjust for a good fit, and tighten hose clamps. Slide vacuum hose on barbed fitting, and install speed clamp as shown.



17. Replace the factory breather hose with 1/2"x10" rubber hose between valve cover and intake tube using speed clamps as shown.



18. Install the Airaid Premium Filter and the weather strip on the **CAD**, as shown. (Hint: start the weather strip near the radiator support and work towards the back of the vehicle.)

19. Double check your work, make sure all nuts, bolts, and clamps are securely fastened. Make sure there is no foreign material in the intake path. **Re-connect 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