



#311-770 Jr. Kit Instructions 2005-2010 Jeep Grand Cherokee 5.7L Hemi

Thank you for purchasing the Airaid Modular Intake System or Jr. Kit. 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 components were 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:

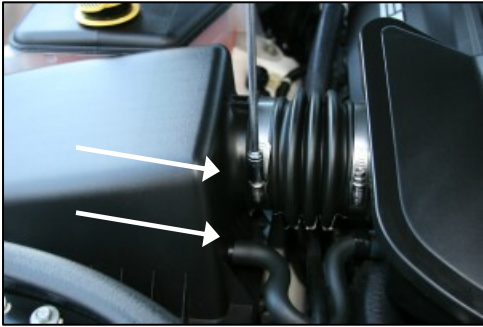
KIT170T	Modular Intake Tube	1
851-233	Airaid Premium Filter	1
KITCOUPLER03	Coupler 3 1/2"x 3"	1
KITHUMPHS03	Hump Hose 3 1/2"x3"	1
KIT770HP	Hardware & Instructions	1
-KITGRMT03	Grommet	1
-KIT110T	Nylon zip tie	1
-KITHS60	#60 Hose Clamp	4

Tools Required for this Installation:

10mm Socket
5/16" Socket, Extension, Ratchet,
Side Cutter Pliers



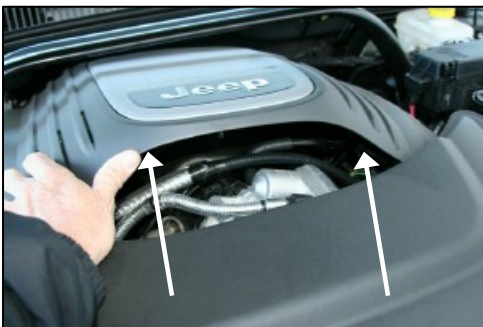
Installation Instructions. Read Me!



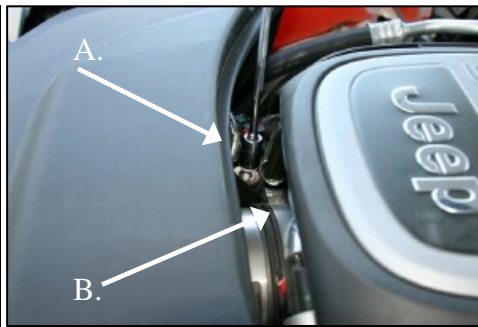
1. **Disconnect the negative battery cable.** Loosen hose clamp on air cleaner box lid. Carefully twist and remove the breather hose from the lid.



2. Remove oil fill cap and set aside.



3. Carefully lift the engine cover for access to the throttle body. *(There are only grommets that hold down the cover, no bolts.)*



4. A.) Using the 10mm socket, remove the bolt that holds the stock intake system. B.) Loosen the hose clamp that holds the coupler to the throttle body.



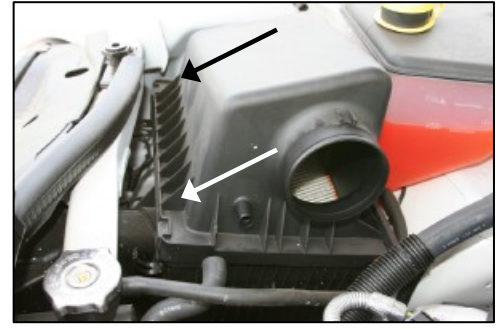
5. Carefully pull the intake towards you and rotate it so the bottom faces you, and cut the tie wrap that holds the breather tube, as shown.



6. Slide the clip off of the intake tube that holds the breather line.



7. Carefully twist and remove the temperature sensor from the stock intake tube. Remove the stock intake tube from the vehicle.



8. If you purchased an Airaid Jr. Kit, unhook the two clips and remove the factory air filter, and replace it with the Airaid Premium Filter supplied in the kit.



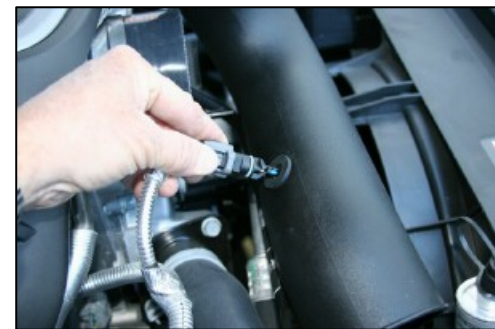
9. Reconnect the breather hose. Install the hump hose and two #60 hose clamps as shown. **Do not** tighten the clamps.



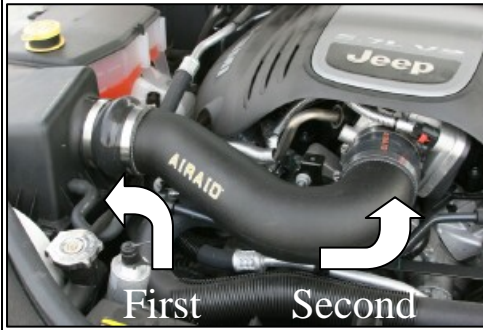
10. Install the coupler and two #60 hose clamps on the throttle body as shown. **Do not** tighten hose clamps. Fasten the factory breather hose to air conditioning line using the supplied zip tie.



11. Install the supplied grommet into Airaid MIT as shown.



12. Carefully install the temperature sensor into the Airaid MIT as shown. Make sure it's pushed all the way in and the plug is connected to the wire harness.



13. Install the MIT into the hump hose first, and then into the throttle body coupler. Adjust to fit, and tighten the hose clamps.



14. Re-install the engine cover by firmly pushing it back into the grommets.



15. Re-install the oil fill cap.

16. Check for any foreign material in the intake path. Re-check your work for tightness. **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: 10/26/10