



## Installation Instructions

For Part Numbers:

- 310-148 720-440 Airaid Oiled Media Filter
- 311-148 721-440 SynthaMax Dry Media Filter - Red
- 312-148 722-440 SynthaMax Dry Media Filter - Black
- 313-148 723-440 SynthaMax Dry Media Filter - Blue

1999-04 Jeep Grand Cherokee  
4.7L V8

### Component Identification

|     |                         |   |
|-----|-------------------------|---|
| 1.  | Airaid Premium Filter   | 1 |
| 2.  | Cool Air Dam            | 1 |
| 3.  | Tube Adapter            | 1 |
| 4.  | Modular Intake Tube     | 1 |
| 5.  | Urethane Hump Hose      | 1 |
| 6.  | Silicone Reducer Hose   | 1 |
| 7.  | Weather Strip 28 1/2"   | 1 |
| 8.  | 1/4-20 Button Head Bolt | 2 |
| 9.  | 1/4" Flat Washer        | 2 |
| 10. | 1/4" Lock Washer        | 2 |
| 11. | #52 Hose Clamp          | 1 |
| 12. | #56 Hose Clamp          | 1 |
| 13. | #60 Hose Clamp          | 2 |
| 14. | #16 Black Speed Clamp   | 1 |
| 15. | Airaid Decal            | 1 |



Full color instructions can be viewed on our web site at [Airaid.com](http://Airaid.com).



1. Disconnect the negative battery cable, and then loosen both of the hose clamps to factory tube connecting factory air filter assembly to factory air box silencer.



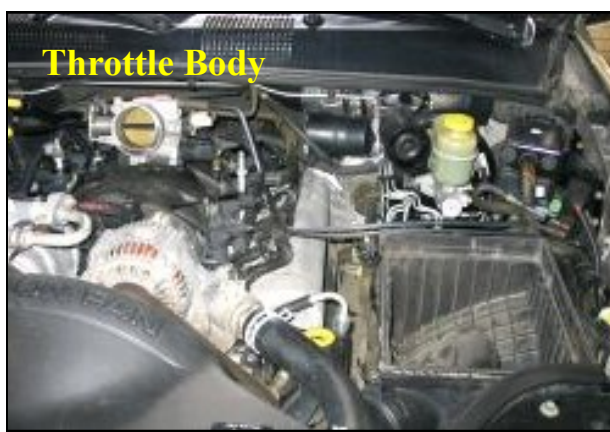
2. Remove the factory air filter box lid, accordion tube, and air filter. (Note: leave factory air filter base installed in vehicle)



3. Disconnect the breather hose from the factory air box silencer.



4. Loosen the hose clamp on the throttle body & both 10mm bolts securing factory air box silencer to intake manifold. Remove the factory air box silencer from engine compartment.



5. Remove the factory air box silencer coupler from the throttle body.



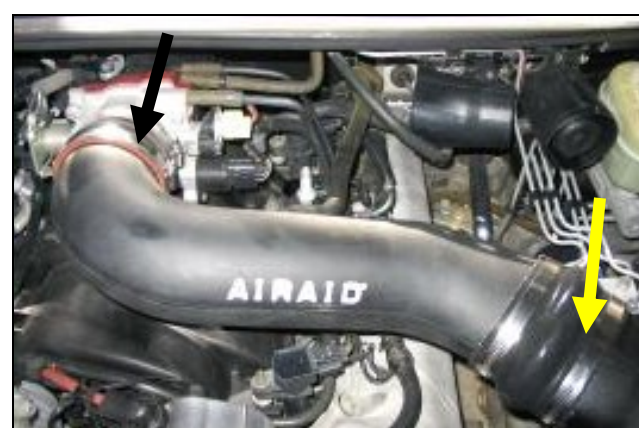
6. Using the two 1/4-20 bolts and washers provided, fasten the black plastic filter adapter to the Airaid Cool Air Dam. Apply the Airaid Foil Decal onto the Panel as shown.



7. Position the Airaid Cool Air Dam in place of the factory air box and snap into place.



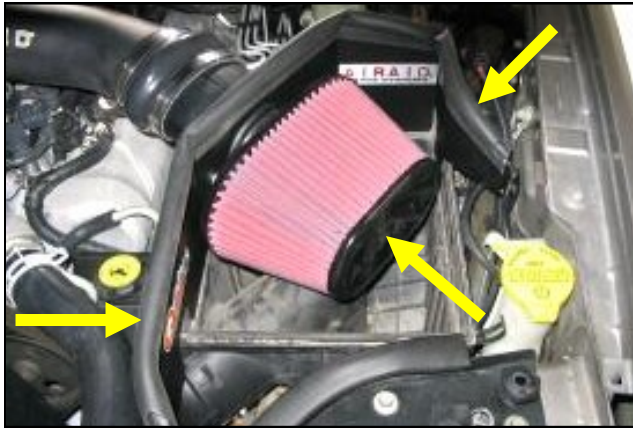
8. Slide the urethane hump hose and hose reducer onto the Modular Intake Tube. Use the two #60 hose clamps on the hump hose and a #56 & #52 hose clamp on the big & small ends of the reducer.



9. Position the Modular Intake Tube assembly to connect the reducer to the throttle body and the hump hose to the Airaid Cool Air Dam. (Note: leave the hose clamps loose until final assembly)



**10.** Connect the factory breather hose to the Modular Intake Tube & secure hose with the #16 black speed clamp provided.



**11.** Mount the Airaid Premium filter & weather strip onto the Cool Air Dam. (Hint: start the weather strip at a corner and work towards the ends).

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

**13.** Reconnect the negative battery cable.

Thank you for purchasing the Airaid Intake System. 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! The air filter is reusable and should be cleaned periodically.

## FILTER IDENTIFICATION

720-440 Airaid Oiled Media  
722-440 Airaid SynthaMax Dry Media Filter - Black

721-440 Airaid SynthaMax Dry Media - Red  
723-440 Airaid SynthaMax Dry Media - Blue

**For your Oiled media filter we suggest using the AIRAID Filter Tune-Up Kit!**



P/N 790-551 Aerosol Spray  
P/N 790-550 Squeeze Spray

**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.

