



## Installation Instructions

For Part Numbers:

- 400-162 700-445 Airaid Oiled Media Filter
- 401-162 701-445 SynthaMax Dry Media Filter - Red
- 402-162 702-445 SynthaMax Dry Media Filter - Black
- 403-162 703-445 SynthaMax Dry Media Filter - Blue

2004-06 Ford F-150 4.6L 3 Valve  
(Does NOT fit 2 Valve or Heritage body)



### Component Identification

1.	Airaid Premium Filter	1
2.	MAF Panel Black	1
3.	Bottom Panel Black	1
4.	Filter Adapter	1
5.	Weather Strip 24 3/4"	1
6.	Modular Intake Tube	1
7.	Silicone Reducer	1
8.	Urethane Hump Hose	1
9.	5/8" x 20" Rubber Hose	1
10.	Bushing	3
11.	Gasket 4.5"	1
12.	1/4" - 20 x 7/8" Bolt	5
13.	1/4" - 20 Nut	5
14.	1/4" Flat Washer	12
15.	6-32 x 5/16" Screw	7
16.	#6 Flat Washer	7
17.	6-32 Keps Nut	7
18.	M6 - 1 x 25 Hex Bolt	1
19.	Rubber Grommet	2
20.	Long Bracket	1
21.	#19 Speed Clamp	2
22.	#80 Hose Clamp	2
23.	#56 Hose Clamp	1
24.	#48 Hose Clamp	1
25.	Black Hose Mount	1

Full color instructions can be viewed on our web site at [Airaid.com](http://Airaid.com). Use the **Product Search** function to find your part number, and click **View Details**.



**1. Disconnect negative battery cable.**  
Unclip factory filter housing from intake assembly.



**2. Remove air filter and air box from vehicle.**



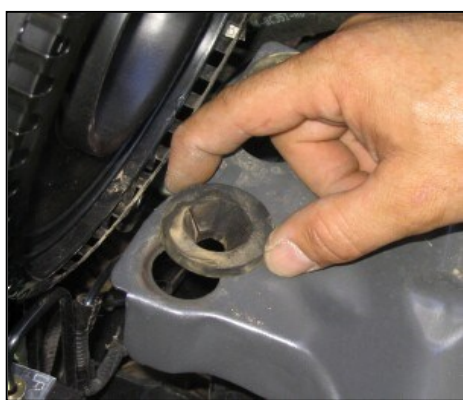
**3. Assemble the Airaid Cool Air Dam assembly** using the supplied #6 screws, washers and nuts as shown above.



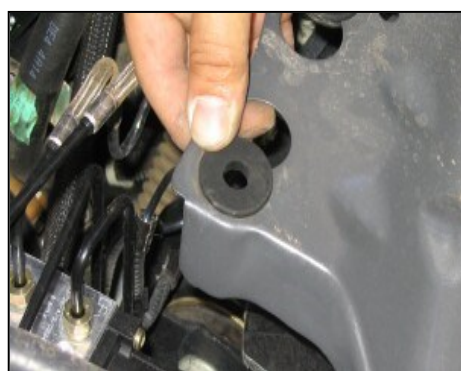
**4. Assemble the Airaid Filter Adapter plate** using the supplied 1/4 inch bolts, washers, spacers and nuts provided as shown above.



**5. Install the supplied gasket on the Airaid filter adapter** as shown.



**6. Remove the two factory grommets from the body and discard.**



**7. Install the supplied rubber grommets in place of the factory grommets** previously removed.



**8. Install the Airaid Cool Air Dam assembly on vehicle** using the factory intake tube clamp.



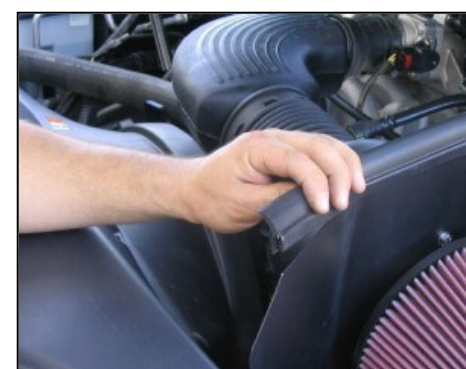
**9. Mount the Airaid Cool Air Dam assembly to the vehicle** using the supplied metric bolt and washer and the factory bolt hole as shown above.



**10. Finish mounting the Airaid Cool Air Dam assembly to body** using the supplied 1/4" nuts, bolts, washers and long bracket as shown. *Note: The long bracket must be mounted under the factory mounting plate and grommets.*



**11. Mount the Airaid air filter on to the filter adapter** using the supplied hose clamp.



**12. Install the supplied weather strip on the top edge of the Airaid Cool Air Dam.** *Note: The weather strip is pre cut to the proper length. Start from one end and work your way around to the other end to insure even placement.*



13. Mount the factory coolant hose to the inner fender using the supplied black plastic hose mount and washer as shown above.



14. Disconnect valve cover breather hose from factory intake tube and valve cover.



15. Loosen hose clamps connecting the factory intake tube to the air filter assembly and throttle body.



16. Remove the factory intake tube assembly from engine.



17. Install the supplied urethane hump hose and two #80 hose clamps on factory air filter assembly. Leave hose clamps loose until final assembly.



18. Install supplied silicone reducer on end of throttle body. Install #48 hose clamp on small end of the reducer and #56 hose clamp on the big end of the reducer. Leave hose clamps loose until final assembly.



19. Install the Airaid Modular Intake Tube on engine.



20. Tighten hose clamps on both ends of the Modular Intake Tube.



21. Install the supplied rubber hose on the Modular Intake Tube. Connect the other end of the hose to the valve cover. Secure both ends of the hose with the supplied speed clamps.



22. Double-check your work to be certain that all nuts, bolts, and clamps are securely fastened. Check for proper hood clearance before shutting hood.

23. 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

700-445 Airaid Oiled Media  
702-445 Airaid SynthaMax Dry Media - Black

701-445 Airaid SynthaMax Dry Media - Red  
703-445 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



**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.