

AIR RAID®

INTAKE SYSTEMS

401-162 INSTALLATION INSTRUCTIONS

2004-06 Ford F-150 4.6L (Does not fit Heritage body)

Thank you for purchasing the Airaid Intake System. Please read the instruction manual carefully before proceeding with the installation. Contact Airaid at (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:

701-445	Airaid Premium Filter	1
KIT1411MAFC	MAF Panel Black	1
KIT1411BPC	Bottom Panel Black	1
KIT114FAC	Filter Adapter	1
KITWSTRIP02	Weather Strip 24 3/4"	1
KIT941T	Modular Intake Tube	1
KITDCR02	Silicone Reducer	1
KITHUMPHS08	Urethane Hump Hose	1
KITHOSE02	5/8" x 20" Rubber Hose	1
KIT162HPS	Hardware & Instructions	1
-KIT114B	Bushing	3
-KIT114G	Gasket 4.5"	1
-KIT25C87HCSS	1/4 - 20 x 7/8" Bolt	5
-KIT25CNES	1/4 - 20 Nut	5
-KIT09FWZ019	1/4" Flat Washer	12
-KIT6C31MXPPZ	6-32 x 5/16" Screw	7
-KIT6NWASAPZ	#6 Flat Washer	7
-KIT6CNKEPS	6-32 Keps Nut	7

Packing List (cont'd):

-KIT60C250HCS	M6 - 1 x 25 Hex Bolt	1
-KITGRMT05	Rubber Grommet	2
-KIT115B	Long Bracket	1
-KITSMP19M4	#19 Speed Clamp	2
-KITHS80	#80 Hose Clamp	2
-KITHS56	#56 Hose Clamp	1
-KITHS48	#48 Hose Clamp	1
-KIT131MOUNT	Black Hose Mount	1

Tools Required for this Installation:

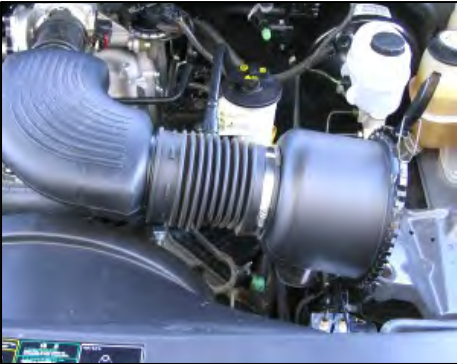
Flat Head Screwdriver
10mm, 5/16", 7/16" socket



Installation Instructions. Read Me!



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 ¼” 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.

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.

