

# AIR AID®

## INTAKE SYSTEMS

### # 400-131-1 INSTALLATION INSTRUCTIONS 2003-2007 Ford Powerstroke 6.0L

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! The air filter is reusable and should be cleaned periodically using the Airaid Filter Tune-Up Kit.

*Thank you for selecting Airaid.*



#### Packing List:

720-128	Airaid Premium Filter	1
KIT131CAB	Airaid Cool Air Box	1
KIT131T	Airaid Tube	1
KIT131TPC	Top Panel	1
KITWSTRIP02	Weather Strip 27 1/2"	1
KIT131HP	Hardware Pack	1
- KIT15DHC3050	1/4-20x1/2" Button Head	9
- KIT09FWZ019	1/4" Flat Washer	9
- KIT131MOUNT	Black Hose Mount	1
- KITGRMT09	Grommet	1

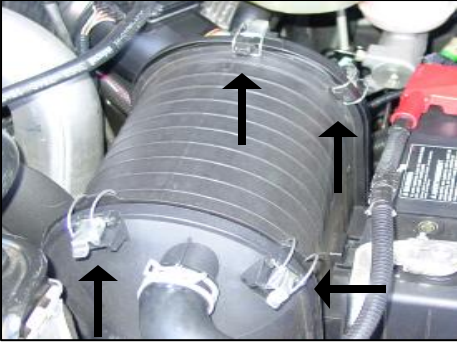
#### Packing List continued:

- KIT131RIVET	Billet Rivet/Box Mount	2
- KITBIT#T20	T-20 Security Bit	1
-KIT10BHCP63	8/32x5/8" Button Head	2
-KIT131G	Gasket	1

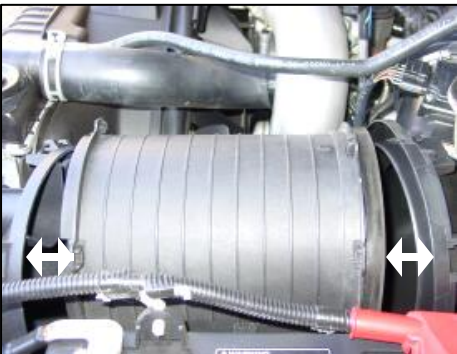
#### Tools Required for this Installation:

Flat Head Screwdriver
5/32" & 3/32" Allen Wrench
5/16" Socket
1/4" Socket & Driver
T-20 Security Bit (Included)

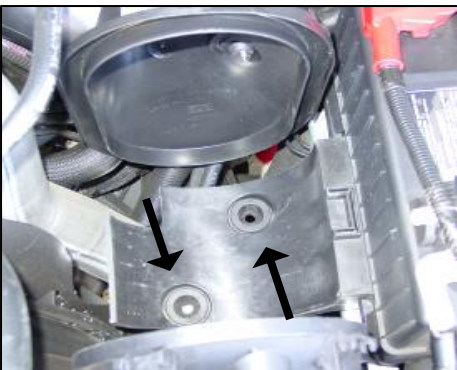
## Installation Instructions. Read Me!



1. Disconnect negative battery cables. Disconnect and remove all four factory clips on the factory airbox.



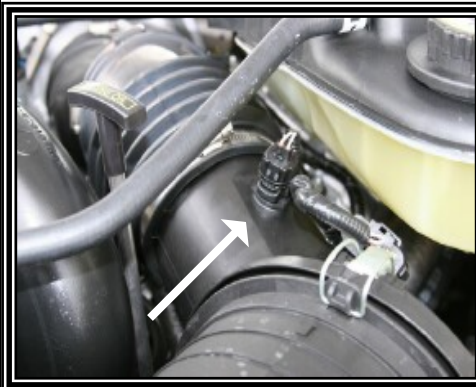
2. Remove factory air filter by separating the inlet and outlet sections of the assembly.



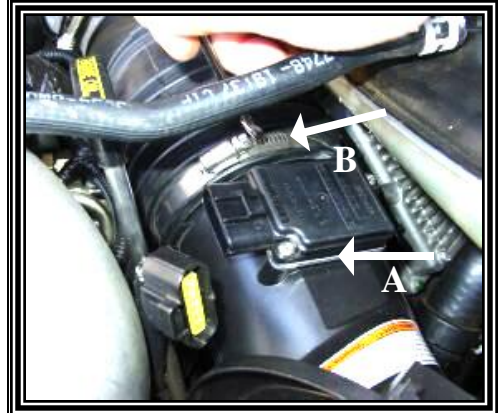
3. The filter is held in place by two rubber grommets on the bottom. (Note: make sure factory grommets remain in lower air box support.)



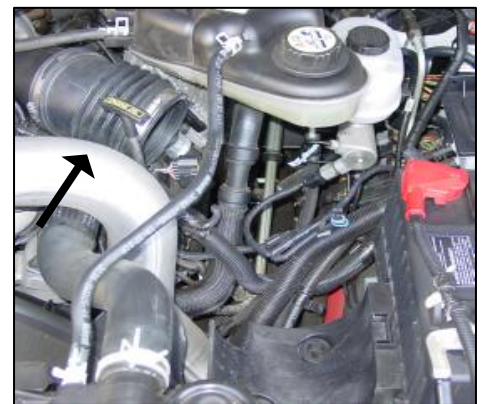
4. Disconnect electronic filter restriction gauge connector and remove the restriction gauge, and rubber grommet. (Note: retain these parts for later use.) Remove air filter inlet tube and hose assembly. **USE CAUTION** when removing these elements, as it is a tight fit. Be careful not to tear the factory insulation around the radiator support.



5. **STOP AND LOOK!** If you have a temperature sensor like this, proceed to step # 8. The early production 2005 F-250 and F-350 6.0 diesel trucks either came with a temperature sensor, or they came with a Mass Air Flow sensor. These pictures will help you determine which sensor you have. Whichever sensor you have, this Airaid Intake System will fit.

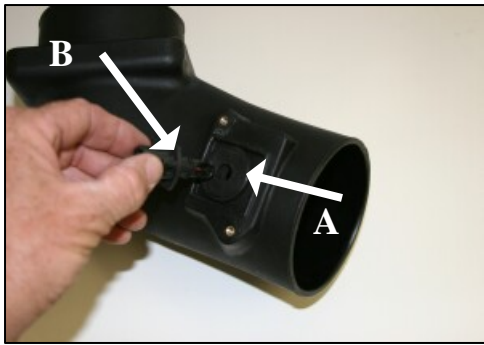


6. **IF YOU HAVE A MASS AIR FLOW SENSOR LIKE THIS, A.)** Disconnect the electrical connector, and remove the two screws using the supplied T-20 security bit, and remove the sensor. (Retain the sensor for later use.) **B.)** Using a 5/16" socket loosen the hose clamp on the end of the intake tube.

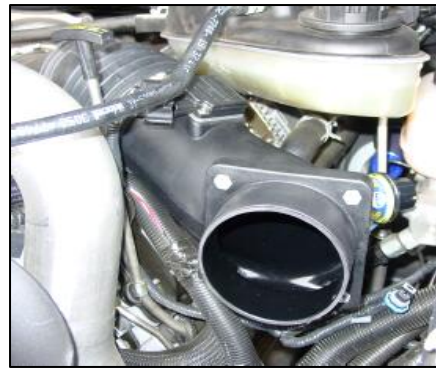


7. Remove complete factory air filter tube assembly. (Note: do not remove flexible turbo inlet hose from turbo housing.)





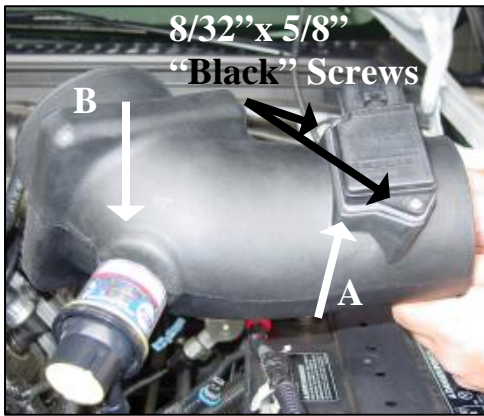
8. A.) If you have the temperature sensor shown in step #5, install the supplied grommet as shown above. B.) Install the factory air temperature sensor as shown, and then the factory grommet and filter restriction gauge. Skip to step #10.



10. Slide the Airaid filter tube into factory flexible turbo inlet hose. (Note: Do not tighten hose clamp until assembly is complete.) Reconnect the sensor to the factory plug. (Either the temperature sensor or the mass air sensor, which ever you have.)



13. Tighten the hose clamp on the flexible turbo inlet tube.



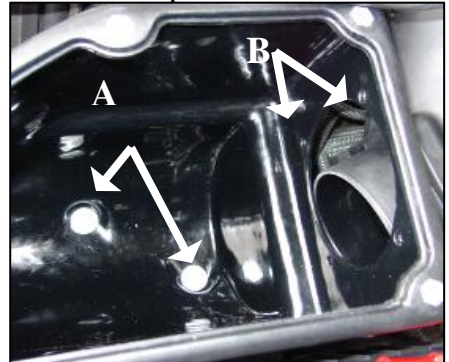
9. A.) If you have the sensor shown in step # 6, install the gasket and sensor using 2 (black) 8/32" x 5/8" screws. B.) Install the factory grommet and filter restriction gauge.



11. A.) Install the Airaid Cool Air Box by inserting the long extension of the box into the radiator support. (Note: Make sure the cold air box inlet is not blocked by factory insulation.) B.) Insert air filter adapter into air box hole.



14. Factory tolerances may vary between the mass air sensor and the coolant reservoir,. Therefore, it may be necessary to loosen the two 5/16" bolts and adjust the reservoir for better clearance.



12. A.) Insert the supplied aluminum pins thru the airbox into the factory grommets. B.) Using 4 supplied stainless steel 1/4" x 20 Allen bolts and washers, mount the air filter tube to the airbox.



15. Install the Airaid Premium Filter onto the air filter adapter inside of the airbox, and tighten the hose clamp.





16. Install the black panel onto the top of the airbox using the 5 supplied stainless steel 1/4" x 20 Allen bolts and washers.



17. Install the supplied weather strip on the top of the panel. (*Hint: Start at one end of the panel and work to the other end.*)



18. Spread the supplied hose mount over the radiator overflow hose and insert thru the hole in the side of the panel.

19. Make sure intake path is clear of all debris, Check alignment of the Airaid Intake Tube, and tighten all clamps, brackets, and bolts. Inspect overall work, and check hood clearance. **Reconnect both negative battery cables.**

*Before*



*After!*



**Don't Forget Your  
AIRAID Filter  
Tune-Up Kit!**



**P/N 790-550**

Instructions Revision  
Date: 7/28/06