



ROUSH Performance Air Induction Kit

Pt # R07060085-18-AA

C. A. R. B. EO # D-418-14

Application: 2003 – 2007 Ford F-250 / F-350 with Powerstroke 6.0L Diesel

Installation Instructions

Before installing your ROUSH Performance Product(s), read through the entire installation procedure and check to make sure all items are present. Contact ROUSH Customer Service at 1-800-59-ROUSH, 9:00 AM to 5:00 PM weekdays, for missing parts, any questions regarding fit or instructions that are unclear to you.

The air filter element is protected from direct exposure to water and debris. Care should be taken to avoid deep water. WATER INGESTION IS THE DRIVERS RESPONSIBILITY. The Premium Air Filter Element in this kit is reusable and should be cleaned periodically using a generic Air Filter Cleaner and Recharging Kit available at most performance auto parts stores.



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Packing List for Air Induction Kit # R07060085

Part Description	Part Number	Qty
Installation Instructions	R07060090	1
C.A.R.B. EO Label #D-418-14		1
ROUSH Premium Filter		1
Cool Air Box		1
Tube Adapter		1
Top Panel		1
Weather Strip 27 1/2"		1
Hardware Kit		1
1/4"-20 x 1/2" Bolt		9
1/4" Flat Washer		9
#8-32 x 5/8" Button Head Bolt		2
Plastic Hose Mount		1
Grommet		1
Billet Rivet		2
Gasket		1
Torx T-20 Security Bit		1

Tools required for this installation:

- Flat Head Screw Driver
- 5/16"-1/4" Drive Socket
- 1/4" -1/4" Drive Socket
- 1/4" Drive Ratchet and Short Extension
- 5/32" & 3/32" Allen Wrenches

LIMIT OF LIABILITY STATEMENT

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. ROUSH Performance Products (RPP) reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

SAFETY REQUIREMENTS

STOP! READ IMPORTANT SAFETY CAUTIONS AND WARNINGS BEFORE PROCEEDING.

IMPORTANT SAFETY NOTICE

Appropriate disassembly, assembly methods and procedures are essential to ensure the personal safety of the individual performing the kit installation. Improper installation due to the failure to correctly follow these instructions could cause personal injury or death. Read each step of the installation manual carefully before starting the actual installation.

1. Always wear safety glasses for eye protection.
2. Place ignition switch in the OFF position.
3. Always apply the parking brake when working on a vehicle.
4. Block the front and rear tire surface to prevent unexpected vehicle movement.
5. If working without a lift, always consult vehicle manual for correct lifting specifications.
6. Operate the engine only in well-ventilated areas to avoid exposure to carbon monoxide.
7. Do not smoke or use flammable items near or around the fuel system.
8. Use chemicals and cleaners in well-ventilated areas.
9. Batteries produce explosive gases, which can cause personal injury. Therefore, do not allow flames, sparks or flammable substances to come near the battery.
10. Keep hands and any other objects away from the radiator fan blades.
11. Keep yourself and your clothing away from moving parts when the engine is running.
12. Do not wear loose clothing or jewelry that can get caught in rotating parts or scratch surface finishes.
13. Allow the engine, cooling system, brakes and exhaust to cool before working on a vehicle.

WORK SAFELY!

Perform this installation on a good clean level surface for maximum safety and with the engine turned off.



1. Disconnect both negative battery cables. Disconnect and remove all four factory clips on the factory air box.



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



3. A) The air filter section is held in place by two rubber grommets on the bottom. *(Note: Make sure the two factory grommets remain in the lower air box support.)*
B) Remove the 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.



4. Disconnect the electronic filter restriction gauge connector and remove the restriction gauge and rubber grommet from the factory air inlet tube. *(Note: Retain these parts for later use.)*



STOP AND LOOK!

5. **If you have an air temperature sensor like this (white arrow)**, disconnect the electrical connector and remove the air temperature sensor. *(Note: Retain the temperature sensor for later use.)*
Proceed to Step #8.
(Note: The early production 2005 F-250 and F-350 6.0L 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 Air Induction Kit will fit.)



6. **If you have a mass air flow sensor like this,**

A) Disconnect the mass air flow sensor electrical connector and then using the supplied Torx T-20 Security Bit, remove the two screws and remove the mass air flow sensor.

(Note: Retain the mass air flow sensor for later use.)

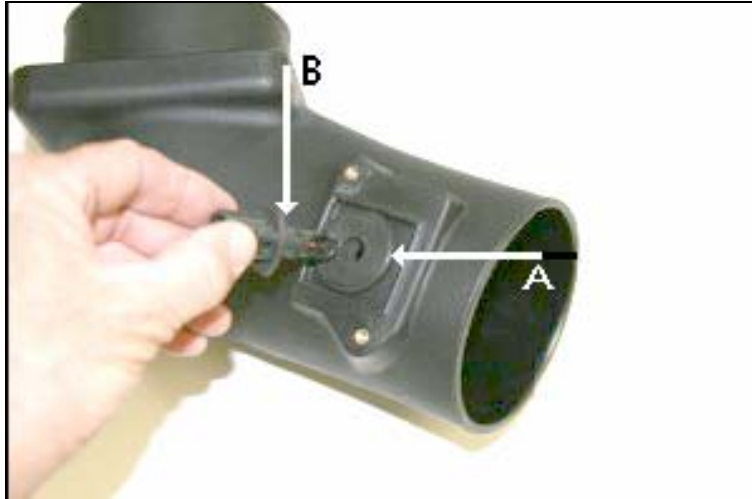
B) Using a 5/16" socket loosen the hose clamp on the end of the intake tube.



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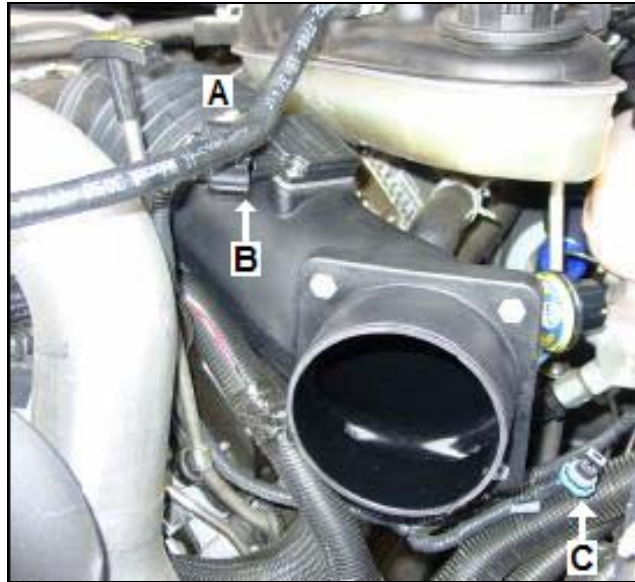
7. Remove complete factory air filter tube assembly. (*Note: Do not remove flexible turbo inlet hose from turbo inlet housing.*)



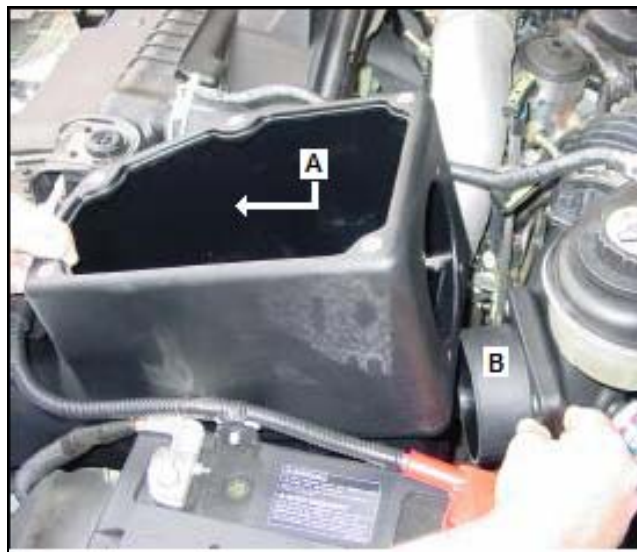
8. If you have the air temperature sensor shown in Step #5,
 - A) Install the supplied Grommet into the Tube Adapter as shown.
 - B) Install the factory air temperature sensor as shown.
 - C) (*Not shown, see B of next picture*) Install the factory grommet and filter restriction gauge, from Step #4.Proceed to Step #10.



9. If you have the mass air flow sensor shown in Step #6,
 - A) Install the Gasket and mass air flow sensor onto the Tube Adapter using two supplied 8-32 x 5/8" Screws. **Do not use the removed factory screws.**
 - B) Install the factory grommet and filter restriction gauge as shown, from Step #4.

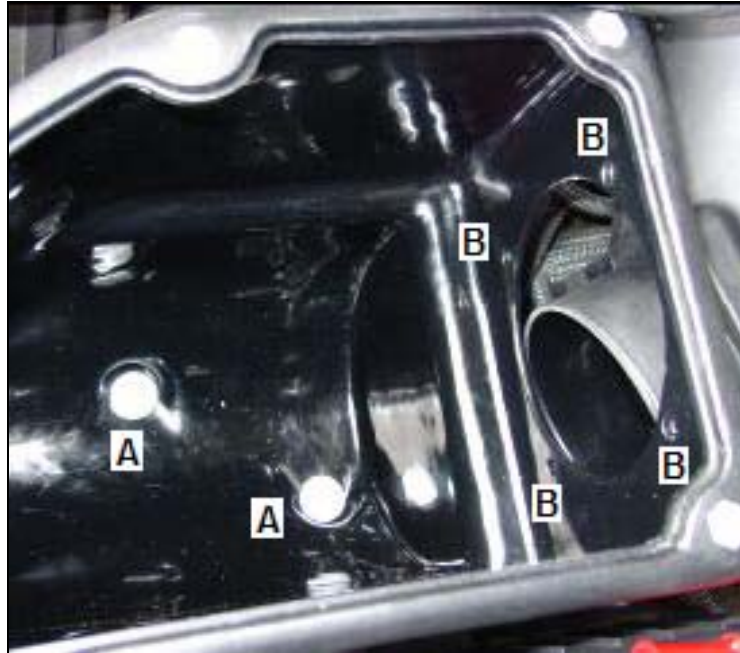


10. A) Slide the Tube Adapter into the factory flexible turbo inlet hose.
(Note: Do not tighten hose clamps until assembly is complete.)
B) Reconnect the (mass air flow or temperature) sensor electrical connector.
C) Reconnect the filter minder Connector.



11. A) Install the Cool Air Box by inserting the long extension of the box into the radiator support. *(Note: Make sure the new Cool Air Box inlet is not blocked by factory insulation.)*

B) Insert the flanged end of the Tube Adapter into the Cool Air Box.



12. A) Insert the two supplied Billet Rivets through the Cool Air Box openings (bottom) and into the factory grommets.
B) Using four supplied 1/4"-20 x 1/2" Bolts and four 1/4" Flat Washers, mount the Tube Adapter to the Cool Air Box.



13. Tighten the hose clamps on the factory flexible turbo inlet hose.

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



15. Install the ROUSH Premium Filter onto the Tube Adapter inside the Cool Air Box and tighten the supplied Hose Clamp.



16. Install the Top Panel onto the top of the Cool Air Box using five supplied 1/4"-20 x 1/2" Bolts and five 1/4" Flat Washers.



17. Install the supplied Weather Strip on the top edge of the Cool Air Dam Assembly.
(Note: The Weather Strip is pre-cut to the proper length. Start from one end and work your way to the other end to ensure even placement.)



18. Spread the supplied Black Hose Mount over the radiator overflow hose and insert the barbs through the hole in the side of the Top Panel as shown.



19. Make sure intake path is clear of all debris. Check alignment of Tube Adapter. Tighten all clamps, brackets, and bolts. Inspect overall work and check hood clearance.

20. Reconnect both negative battery cables.



21. Included with your ROUSH Intake system kit is a sticker with a California Air Resources Board (C. A. R. B.) Executive Order (E. O.) number. This sticker must be placed in plain view inside of the engine compartment. Failure to do so may prevent you from passing a smog test.

Congratulations!!! You have completed the installation of the ROUSH Performance Products, Air Induction Kit. It is recommended that you save all parts removed from your vehicle during the installation of this kit.

WARRANTY

All retail parts carry a 90-day warranty from the date of purchase. This warranty covers defects in materials or workmanship, and does not include (i) normal wear and tear, environmental conditions, improper installation; (ii) road hazards, misuse, abuse, neglect, accidents, collision, fire, theft, freezing, vandalism, riot, explosion, or objects striking the vehicle; (iii) misusing the vehicle, such as driving over curbs, overloading, racing, or using the vehicle as a stationary power source; (iv) altering, disassembling or modifying the parts; (v) defects caused or induced by failures, breakdowns, or damage by other parts, components or the vehicle; (vi) subjecting the parts to excessive moisture or water or any motor vehicle fluids (e.g.: oil, anti-freeze, battery acid, brake fluid, etc.); (vii) acts of God, natural disasters and other similar causes beyond the reasonable control of ROUSH; or (viii) application of chemicals that affect the parts. This Limited Warranty does not cover surface deterioration of paint, trim, and appearance items that result from use and/or exposure to the elements, such as stone chips, scratches, bird droppings, lightning, hail, windstorm, dings, dents, earthquake, road salt, tree sap, water or flood.

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