



# INTAKE MANIFOLD INSTALLATION INSTRUCTIONS

FOR USE ON  
2003 - 2007 FORD  
6.0L POWERSTROKE<sup>(R)</sup>

(LARGEMOUTH MODEL 3 1/2" INLET)

\*NOTE: 2004 FOR OFFROAD USE ONLY.



FASTCORE LLC  
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MADE IN THE USA.

[www.cfmpius.com](http://www.cfmpius.com)



Dear Customer,

Congratulations on your purchase of the world's highest performance and most technologically advanced intake manifold on the market for the Powerstroke Diesel.

For customer service please e-mail [service@cfmplus.com](mailto:service@cfmplus.com) or call our Customer Service Department at 760-598-2478 between 8:00 am and 4:00 pm Pacific Standard Time.  
Thank you.

**INSTALLATION PRACTICES**

WARNING: 

**Please read this entire manual before you start and follow all instructions.**

WARNING: 

**Before you begin any work, please disconnect the ground cable/cables from the battery/batteries of your truck.**

WARNING: 

**Do not begin this installation unless your engine is completely cool.**

WARNING: 

**Please do not over-tighten fasteners.**



## REMOVAL OF THE STOCK INTAKE:

**Note:** 2004 models are for offroad use only, as the EGR system will not operate after installation of the CFM+ Intake. 2003 models have a dummy EGR system that can be freely removed.

1.) Loosen the boost hose clamp at the elbow and pull off the boost hose off of the stock elbow.

2.) On all models remove the 4 retaining bolts that secure the intake elbow to the engine, remove the elbow.

**Note:** Steps 3 & 4 are for 2003-2004 models only.

3.) 2003-2004 models require that the two wiring plugs to the EGR valve plate be unplugged and the wires be secured out of harm's way with the supplied tie strap. On 2003 models the wires are not functional. Verify this by looking into the female portion of the plugs on the EGR valve plate to make sure there are no metal contacts within the socket. On 2004 models, unplugging these wires will set a code but not a check engine light. The code does not cause any issues related to driveability or performance. To remedy the code, contact Elite Diesel at: (719) 647-0232 and request their 2004 Throttle Plate Removal Kit, part number 60TPR.

4.) 2003-2004 models: Remove the 3 additional lower bolts that retain the EGR valve plate to the engine and remove it. Set it aside as this part will not be reused.

5.) On all models wipe clean the intake elbow mating surface on the engine, being careful not to let any debris enter the engine.

stock intake elbow





## STOCK INTAKE REMOVEAL CONTINUED:

- 6.) Next undo the two toggle clamps at the rear of the air box assembly.
- 7.) Disengage the two tabs on the lower backside portion of the air box assembly from the slots located on the rear cover.
- 8.) Remove the air box assembly and cover from the truck and set aside for later use.
- 9.) Next remove the stock intercooler tube by loosening the clamp located at the intercooler. Remove this clamp and set aside for later use. The stock tube will not be reused.

## CFM+ LARGEMOUTH INTAKE INSTALLATION

**CAUTION:** Never use any gasket sealants when installing this intake with the supplied foam over aluminum gasket.

**Installation Tip:** Before installing the boost hoses onto the supplied steel intercooler tube, rub a small amount of liquid soap inside the openings of the boost hoses. This will allow for a much easier install.

- 1.) Begin by installing the two supplied boost hoses onto the supplied intercooler tube using the supplied clamps. Do not tighten these clamps only snug them, the hoses should still be able to move if needed.
- 2.) Next feed the intercooler tube down through the engine compartment, small diameter end first. Using the clamp that you set aside from step 9 of the stock removal instructions, slide the boost hose connection onto the intercooler outlet but do not tighten the clamp. See figure 1

**Figure 1:**

Supplied intercooler tube with boost hose connected at intercooler outlet.



## CFM+ LARGEMOUTH INTAKE INSTALLATION CONTINUED:

3.) You can now install the CFM+ Intake by placing the 4 supplied flanged bolts into the CFM+ intake elbow.

4.) Slip the supplied gasket up around the bolts and against the bottom surface of the CFM+ intake elbow. See Figure 2.

Figure 2:



5.) Next carefully place the CFM+ intake elbow in position on the engine and finger tighten all 4 bolts.

6.) Snug down evenly all 4 bolts then torque to 10 N-M or 90 in-lb.

7.) With CFM+ Intake now in place, inspect the alignment of it with the installed intercooler tube and boost hose. If adjustment is needed, rotate the tube until it is better aligned.

8.) Next push the boost hose onto the CFM+ intake elbow and torque all 4 clamps to 10 N-M or 90 in-lbs.

9.) Re-install the airbox assembly in the reverse order it was removed.

10.) Reconnect the battery cables.

*CFM+ LargeMouth Installed*



**[www.cfmplus.com](http://www.cfmplus.com)**

## WARRANTY INFORMATION

### CFM+ Limited Warranty

Fastcore LLC warrants the replacement of CFM+ Intake due to defects in material and/or workmanship according to the following conditions:

The CFM+ Intake is warranted to the original retail purchaser only and is limited for one year from the original date of purchase. This warranty is not transferable.

This warranty is limited to replacing the defective Intake without charge and Fastcore LLC shall in no event be responsible for consequential or special damages. Labor and transportation charges are not included.

Proof of purchase and date of purchase are required to validate protection under this limited warranty.

Any Intake that has been modified or the insert threads that have been stripped or cross threaded is not covered by this limited warranty.

This Intake is not intended for use in any competitive event or activities. This limited warranty is void where the Intake has been used in any of these ways.

Claims must be made through Fastcore LLC and defective part must be returned for evaluation.

***This warranty is expressly in lieu of any other warranties, expressed or implied, including implied warranty of merchantability or fitness for a particular purpose.***

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For warranty and return information please visit our web site at ***www.cfmplus.com*** and click on the customer service link.



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For God so loved the world that He gave His one and only Son, that whoever believes in Him shall not perish but have eternal life. John 3:16