



# **BULLY DOG**

**#1 IN PERFORMANCE**

## **INSTALLATION MANUAL**



**Rapid Flow Induction**

Vehicle Application	Part Number
'03,'04,'06,'07 Ford 6.0L Power Stroke	#51100
'05 Ford 6.0L Power Stroke	#51101





# STOP!

## **TROUBLESHOOTING:**

If you have questions during the installation of this product, please visit [www.bullydog.com/Product\\_Updates.php](http://www.bullydog.com/Product_Updates.php).

The latest version of these instructions can be found at the same location. Please review the Troubleshooting section on page before calling technical support to cover most common issues. Technical support is available by calling 866-bully-dog (866-285-5936).

## **TABLE OF CONTENTS**

<b>INTRODUCTION .....</b>	<b>PG. 2</b>
<b>BILL OF MATERIALS .....</b>	<b>PG. 2</b>
<b>REMOVING THE STOCK INTAKE .....</b>	<b>PGS. 3-4</b>
<b>INSTALLING THE RFI .....</b>	<b>PGS. 5-7</b>
<b>FILTER MAINTENANCE .....</b>	<b>PG. 8</b>
<b>WARRANTY &amp; DISCLAIMER .....</b>	<b>PG. 10</b>

## INTRODUCTION

Introduction: The following instruction set covers installation and maintenance of the Rapid Flow induction system for 2003-2007 6.0L Ford Power Strokes. Notice that the installation process for the 2005 model year 6.0L has installation differences from the rest of the model years.

### PREFILTER RECOMMENDED

Recommended with this kit but not included is a Bully Dog prefilter which can be purchased through a local Bully Dog dealer. A prefilter blocks large particles and insects from becoming lodged in the filter ribs, this keeps air flow at a maximum and makes cleaning much easier.



### BILL OF MATERIALS

RFI Housing  
Filter  
Band clamp  
Star Torx Bit (not in exclude '05)

### TOOLS NEEDED

Pliers  
Flat head screw driver  
Bit Driver - (exclude '05)



## REMOVING THE STOCK INTAKE

1. Disconnect the coolant overfill hose, this will make the removal of the stock intake easier.



2. Disconnect the Mass Air Flow sensor:

- ('03, '04, '06, '07) Using a bit driver and the torques bit included unscrew the torques screws that hold the mass air flow sensor onto the air intake tube. Once the screws are out pull the mass air flow sensor out of the tube, disconnect it from the harness holder and move it aside while completing the installation.



- 2005 The mass air flow sensor sits in a grommet that holds it in place on the intake exit tube. Remove the MAF sensor by simply pulling up on the sensor, then disconnect it from the harness holder and move it aside while completing the installation. Also remove the grommet that holds the MAF sensor in place from the stock intake, that grommet will need to be installed on the RFI along with the MAF sensor.



3. Locate the Air Filter Restriction Gauge on the back of the stock intake housing. Remove the Air Filter Restriction Gauge from the stock intake by simply pulling back on the gauge, it is held in by a rubber grommet and will pull out easily. Once out disconnect it from its communication harness and set it aside.



4. Loosen the band clamp that connects the intake exit hose to the turbo inlet hose and disconnect the tubes.



5. Once the tubes are disconnected the entire air intake assembly can be removed from the vehicle as one piece. Pull the back end of the air intake up first, once the back end of the intake is above the coolant overfill reservoir the front of the intake can be slid back and finally lifted out from its stock location and removed.



## INSTALLING THE RFI

### PRE-INSTALLATION PROCEDURE

On 2005 models remove the rubber grommet that holds the Mass Air Flow sensor in place from the stock intake housing. Install the rubber grommet into the RFI in the pre-drilled hole on the intake outlet tube.



1. Notice the two holes at the bottom of the intake seat inside the engine bay. When setting the RFI into place, the rods on the bottom of the RFI will need to set into the two holes.



2. Set the front end of the RFI into the engine bay and snug it up to the radiator, then slide the back side of the intake down into place. Make certain that the rods on the bottom of the RFI have correctly set into the holes on the bottom of the intake seat.



3. Connect the RFI tube up to the stock turbo inlet hose. Use the stock band clamp to secure the connection; this will require the use of a flat head screw driver.



4. Installing the Mass Air Flow sensor:

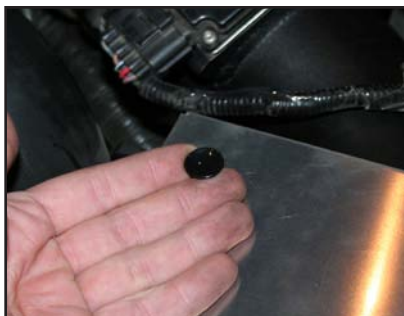
- ('03, '04, '06, '07): Set the MAF (mass air flow) sensor onto the RFI air outlet tube in the same manner that it was installed on the stock intake tube. Secure the MAF sensor to the RFI using the stock toques screws.



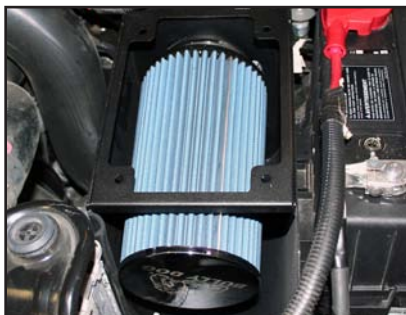
- 2005 The MAF sensor must be installed in a particular direction, the MAF sensor must be installed perpendicular to the flow of air to take a proper air flow reading. This is important to note and will affect how well the vehicle runs after installation is complete. Set the MAF (mass air flow) sensor onto the RFI air outlet tube in the same manner that it was installed on the stock intake tube.



5. Remove the lid from the RFI by pulling upward on the black snaps on top of the lid. Remove the lid the same way whenever performing maintenance on the filter.



6. With the lid off install the filter onto the intake outlet tube and secure it using the band clamp that is included with the filter. If also installing a prefilter put the prefilter over the air filter before installing the air filter. Once the filter is secure the lid can be placed back over the intake.



## FILTER MAINTENANCE:

The intake system should be cleaned at least every three months; in dusty climates the filter should be cleaned more often. Cleaning the intake is a two part process, the first part of the process involves the physical cleaning of the filter with soap and water and the second part involves oiling the filter. To properly clean the filter a Bully Dog cleaning kit should be used. Cleaning kits are available at any Bully Dog dealer.

### PART 1, CLEANING THE FILTER:

1. Remove filter from filter housing. Clean the filter housing if necessary.
2. Begin the cleaning process by ridding the filter of any dirt by lightly tapping it. Then brush away any loose particles with a soft-bristle brush. This step can usually be avoided with the use of a prefilter.
3. Spray cleaner generously over entire filter and let soak for 10 minutes.
4. Thoroughly rinse the filter with regular tap water (avoid high-pressure hoses). Flush from the inside out or clean side to the dirty side to prevent dirt from entering the filter.
5. Let the filter air dry before oiling, do not use any method to speed up the drying process. Using a blow dryer or compressed air can cause the filter to disfigure which would then allow particles to pass through the filter.

### CLEANING KIT



### PART 2, OILING THE FILTER:

1. Apply a small amount of oil to the soft bristle brush and spread the oil over the filter. Be sure to apply a small amount of force so not to damage the filter element.
2. Continue applying oil to the filter using a soft bristle brush until the entire filter is covered in an even amount of oil, just enough to give the filter a solid blue color. Apply enough oil to make the filter a solid and uniform blue, but do not go beyond that.
3. Allow oil to sit for 20 minutes. Re-oil any dry spots that appear. Do not oil filter excessively. Excessive oiling can cause damage to intake sensors.



## **WARRANTY & DISCLAIMER**

### **REMEMBER, THIS IS A PERFORMANCE PRODUCT, USE AT YOUR OWN RISK.**

*This product is not intended to be used to break the law.*

Do not use this product until you have carefully read the following agreement. This agreement sets forth the terms and conditions for the use of this product. The installation of this product indicates that the buyer has read and understands this agreement and accepts the terms and conditions. Never exceed recommended vehicle or tire top speed ratings.

### **DISCLAIMER OF LIABILITY**

Bully Dog Technologies, LLC. Its distributors, jobbers, and dealers (hereafter Seller) shall be in no way responsible for the product's proper use and service. THE BUYER HERBY WAIVES ALL LIABILITY CLAIMS.

The Buyer acknowledges that he is not relying on the Sellers skill or judgment to select or furnish goods suitable for any particular purpose and that there are no liabilities which extend beyond the description on the face hereof, and the Buyers hereby waives all remedies or liabilities expressed or implied, arising by law or otherwise, (including without any obligation of the Seller with respect fitness, merchantability and consequential damages) or whether or not occasioned by the Seller's negligence.

The Seller disclaims any warranty and expressly disclaims any liability for personal injury or damages. The Buyer acknowledges and agrees that the disclaimer of any liability for personal injury is a material term for this agreement and the Buyer agrees to indemnify the Seller and to hold the Seller harmless from any claim related to the item of the equipment purchased. Under no circumstances will the Seller be liable for any damages or expenses by reason of use or sale of any such equipment.

The Seller assumes no liability regarding the improper installation or misapplication of its products. It is the installer's responsibility to check for proper installation and if in doubt contact the manufacturer.

The Buyer is solely responsible for all warranty issues from the manufacturer.

### **LIMITATION OF WARRANTY**

BULLY DOG TECHNOLOGIES, LLC. (Hereafter "Seller") gives Limited Warranty as to description, quality, merchantability, and fitness for any particular purpose, productiveness, or any other matter of Seller's product sold herewith. The Seller shall be in no way responsible for the products proper use and service and the Buyer hereby waives all rights other than those expressly written herein. This warranty shall not be extended, altered or varied except be a written instrument signed by Seller and Buyer.

The Warranty is Limited to one (1) year from the date of sale and limited solely to the parts contained within the products kit. All products that are in question of Warranty must be returned prepaid to the Seller and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by BULLY DOG TECHNOLOGIES, LLC.

Under no circumstances will the Seller be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or reinstallation of this product or any other contingent expenses.

Under no circumstances will the Seller be liable for any damage or expenses incurred by reason of the use or sale of any such equipment.

IN THE EVENT THAT THE BUYER DOES NOT AGREE WITH THIS AGREEMENT: THE BUYER MAY PROMPTLY RETURN THIS PRODUCT, IN A NEW AND UNUSED CONDITION, WITH A DATED PROOF OF PURCHASE TO THE PLACE OF PURCHASE WITHIN TEN (10) DAYS FROM DATE OF PURCHASE FOR A FULL REFUND.

THE INSTALLATION OF THIS PRODUCT INDICATES THAT THE BUYER HAS READ AND UNDERSTANDS THIS AGREEMENT AND ACCEPTS ITS TERMS AND CONDITIONS.

Bully Dog Technologies, LLC is a team built on integrity that is dedicated to leading the vehicle performance industry with an uncompromising code of ethics demonstrated in the soundness of its employees, excellent customer service and superior products.

# **UNLEASH THE POWER**

## **WITH BULLY DOG PERFORMANCE PRODUCTS**

### **Downloaders**



### **Intake Systems**



### **Custom OutLook Pod**



### **Exhaust Systems**



***See More at: [bullydog.com](http://bullydog.com)***

***Doc.# BD50012 Version 1.0.0***

For a full listing of Diagnostic Trouble Codes go to: [www.bullydog.com/DTC.php](http://www.bullydog.com/DTC.php)



**BULLY DOG**

**For Free Technical Support**

**Call: 866-bullydog (866-285-5936)**