



BULLY DOG

#1 IN PERFORMANCE

INSTALLATION MANUAL



Rapid Flow Induction

Vehicle Application

'03-'07 Dodge Cummins 5.9L

Part Number

52101



STOP!

TROUBLESHOOTING:

If you have questions during the installation of this product, please visit 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).

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INTRODUCTION

Introduction: The following instruction set covers installation and maintenance of the Rapid Flow induction system for 2003-2007 Dodge Cummins 5.9L.

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
Torx bit
(2) Replacement screw
Swing Arm

TOOLS NEEDED

Flat head screw driver
Phillips screw driver
10mm socket and wrench
Bit driver



REMOVING THE STOCK INTAKE

1. Using a flat head screwdriver, loosen the band clamp that holds the intake tube onto the stock filter housing. Disconnect the intake tube from the intake housing.



2. Remove the two screws holding the Mass Air Flow sensor onto the filter housing outlet using the special torx bit included in the kit along with a bit driver. Remove the Mass Air Flow sensor and put it aside until you are ready to install it onto the Bully Dog RFI. Be careful when handling this sensor as it is fragile and expensive to replace.

3. Using a 10mm socket, remove the nut that holds the filter housing arm on to the bolt above the passenger side headlamp. Save the nut, it will be used to secure the RFI.



4. Remove the stock filter housing from the engine bay by simply pulling upward on the housing, the whole assembly will remove in one single piece.

5. Remove the rubber grommet from the stock air box arm and install it onto the new RFI filter housing.

INSTALLING THE RFI

1. Set the RFI filter housing into the engine bay. Line up the metal posts on the bottom of filter housing to the post holes in the engine bay.



3. Connect the intake hose over the RFI Outlet. Secure the connection using a flat head screw driver.

4. Insert the Mass Air Flow sensor into the air sensor hole on the RFI outlet. Secure the MAF sensor using the two replacement screws with a phillips screw driver.

5. Locate the swing arm and the 10mm nut included with the RFI. Install rubber grommet from the stock intake arm into the hole at the end of the swing-arm of the new RFI.



6. Place the swing arm over the anchor bolt above the passenger side headlight just like the stock intake, and then attach the other end to the threaded stud on the intake filter housing. Secure the swing arm using the nut from the stock system and the nut that is included with the RFI, both are 10mm nuts.

7. Place the air filter onto the outlet tube inside the filter housing. Secure the filter using a flat head screw driver to tighten the provided band clamp around the end of the filter.



8. Finally place the lid over the filter housing and secure the lid using the black button on the intake lid.

FILTER MAINTENANCE:

The intake system should be cleaned at least once 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.

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.

CLEANING KIT



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

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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.

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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.

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Doc.# BD50015 Version 1.0.0

For a full listing of Diagnostic Trouble Codes go to: www.bullydog.com/DTC.php



BULLY DOG

For Free Technical Support

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