



BULLY DOG

INSTALLATION MANUAL

RAPID FLOW

Cold Air Intake



Applications

Dodge 5.9L Cummins '03-'07

RFI Part Number

52102



POWER



FUEL ECONOMY

ECONOMY



STOP!

TROUBLESHOOTING:

Technical support is available by calling 1-940-783-9915.

Tech support by phone is available Monday-Friday 8am-5pm Mountain Standard Time.

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INTRODUCTION

This instruction set outlines the description and installation of the Rapid Flow Cold Air Intake for the Dodge 5.9L Cummins '03-'07. Installation of this intake takes about 20 minutes and requires only basic tools.

For additional question or product information visit our website www.bullydog.com or call Bully Dog technical support at 1-940-783-9915.

Parts Included and Tools Needed:

This section displays the parts included in the package and the tools needed to properly install the system.

Parts Included

Air Intake Enclosure Lid	52102-1
Air Intake Enclosure Bottom	52102-2
Air intake Tube.....	52102-3
Worm Drive Clamp 5.5" max or 140mm.....	52102-94
Screw 8-32 x 1/2" black oxide pan head (2).....	51103-94
Worm Drive Clamp 5.0" max or 125mm.....	51104-7
Air filter w/band clamp	51202-5
Intake enclosure pegs (2)	52102-6
Universal air intake latch (4).....	5-50000 latch
Literature Pack	LITPAC
Silicone Coupler Elbow 114mm x 6mm x105mm x 150mm.....	51202-4
T20 Tamper Proof Torx Bit.....	229120

Tools needed

Flat Head Screwdriver

Phillips Screwdriver

Bit Driver

13mm Socket and Wrench (*optional*)



Parts Description:

This section describes each part and any special features of each part that need to be noted to assist with installation. All parts will be referred to during installation by the names used in this section.

The Lid: We have designed our kit with a removable lid. This lid design utilizes OEM style lid latches that require no tools to remove so direct access to the air filter is made easy.

The RFI base: The base to the enclosure that holds the filter has a couple of features to note. The first is the circular hole on the back of the base, this hole is where the RFI tube will snap into the base and hold secure the air filter. The second important part of the base to take special notice of are the mounting pegs that are located on the bottom of the filter housing base. The mounting pegs are used to secure the base to the mounting plate within the engine bay.



Intake Tube: The intake tube installs between the air box and the turbo inlet.



Silicon Tubing: High quality 3 ply silicon tubing.



Band Clamps: Connects and holds all tubing in place.



Stainless Black Oxide Screws: The two Phillips style stainless black oxide screws are included with the kit are used to secure the Temp. sensor to the air intake tube.



Air Filter and Clamp: The air filter included is an ISO 5011 certified eight layer oil filter. The air filter is secured onto the end of the air intake tube using the filter clamp and a flat-head screwdriver.

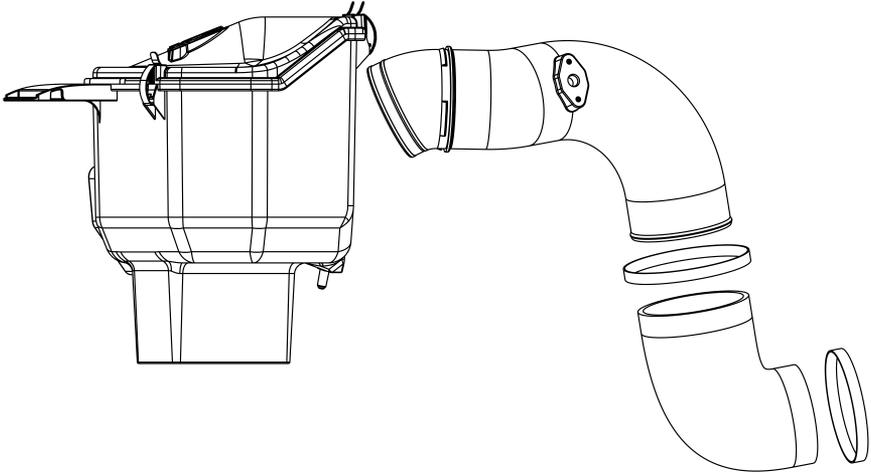


Security Torx Bit: This bit is included for convenience; the mass air flow sensor is attached to the stock intake tube using security Torx screws. If this bit is lost it can be ordered.

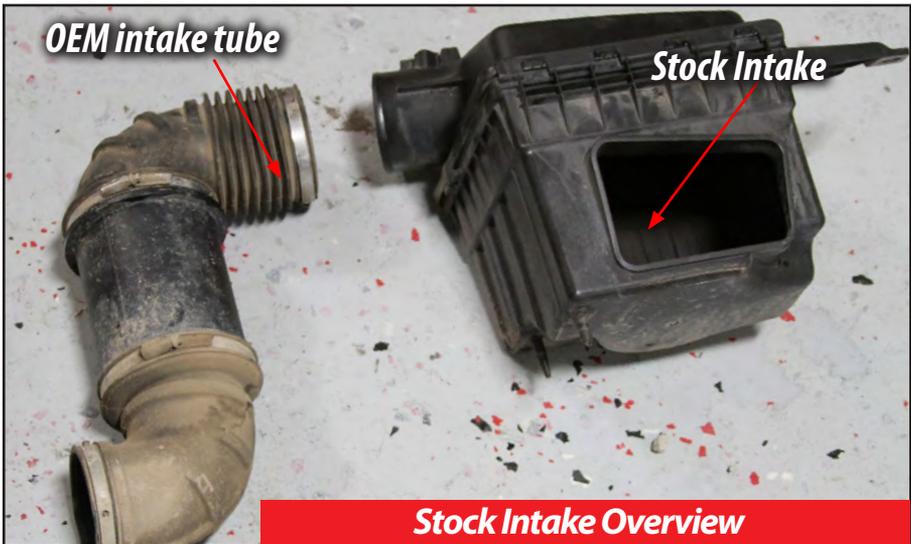


Installation Overview:

Installation is very simple, it is separated into three parts: Removing the Stock Intake, Preparing the Rapid Flow Cold Air Intake for installation, and Installing the system. The complete installation of the Rapid Flow Cold Air Intake system should total about 20 minutes. The assembly diagram below shows how the parts of the intake fit together in sequence.



Stock Intake Overview Diagram: The stock intake can be seen in the picture below. Notice the important parts of the stock air intake that are labeled in the diagram below. These items are referred to throughout these instructions.



Stock Intake Removal

Stock Intake Removal:

1. Unplug the temperature sensor plug.



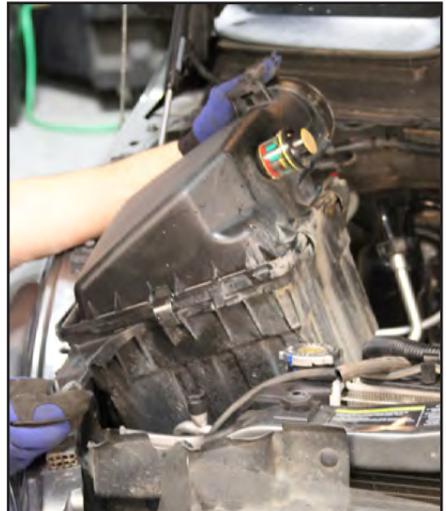
2. Loosen the band clamp at the turbo connection and then pull the coupler off the turbo. Next, loosen the band clamp at the stock box connection and completely remove the intake tube.



3. Detach the coolant line by the stock intake and move out of the way being sure to keep the tube end up right.



4. Remove and set aside the 10mm nut at the end of the stock intake arm and remove the stock intake box.



Intake Installation Prep.

1. Remove grommet assembly for the end of the stock arm and install it onto the Bully Dog intake box.



2. Snap Bully Dog tube in the Bully Dog box. Install the temperature sensor using the provided Phillips screws. **DO NOT USE STOCK SCREWS**



Installation

1. Install the coupler with the band clamps onto the turbo inlet. The smaller band clamp goes to the turbo connection and the larger band clamp is for the tube connection. Do not tighten band clamps yet.



2. Install the Bully Dog box/tube assembly. Guide the tube into the coupler along with the pegs into the stock grommets. Install the Bully Dog box arm with the grommet in it onto the stock connection. Secure the arm on the Bully Dog Box with the 10mm stock nut .



3. Reconnect the coolant line that you removed earlier.



4. Adjust coupler for fitment and tighten band clamps.



5. Install filter and reconnect temperature sensor plug.



6. Install intake lid and latch secure.



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



Bully Dog PreFilter

The time between scheduled filter maintenance can be extended. Using a PreFilter will prevent all large debris from getting into the ribs of the filter. When using the prefilter only fine dust particles make it through the prefilter and onto the exterior of the filter. Thus when using a prefilter, scheduled cleaning is much easier and filter life is even positively effected.



AIR FILTER PREFILTER

- Extend Time Between Cleanings
- Hydrophobic Material Repels Water
- Protects Cone Filter from Large Debris
- Maintains Filter Airflow Between Cleanings



Check out more of our **ADRENALIN PUMPING** products!

Triple Dog GT



Pre Filter



Cleaning Kits



Clothing



BULLY DOG

Free Technical Support at: 1-940-783-9915

See More at: bullydog.com