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BULLY DOG

For Free Technical Support

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



BULLY DOG

#1 IN PERFORMANCE

INSTALLATION MANUAL



Vehicle Application	Part#
Rapid Flow 4" Aluminized Dual Exhaust 5.9L Dodge Cummins '04.5-'07	182224





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 9 before calling technical support to cover most common issues. Technical support is available by calling 866-bullydog (866-285-5936).

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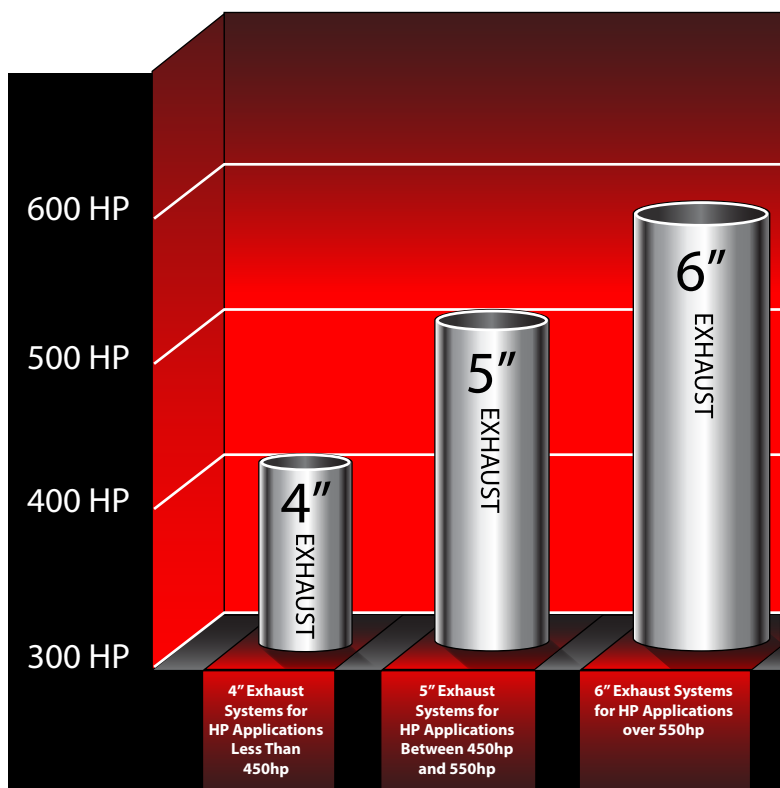
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INTRODUCTION

The Bully Dog Rapid Flow Exhaust Systems have been specially designed to allow the lowest mandrel bends in the industry. The lower mandrel bends allow increased air flow which reduces exhaust temperatures and burns more fuel in the combustion chamber. This results in adding additional horsepower and fuel economy. This instruction set covers the 4" Rapid Flow Aluminized Dual Exhaust designed specifically for the 5.9L Cummins.

Note: This instruction set and the Rapid Flow Exhaust system included is made exclusively for the 5.9L Cummins '04.5-'07.

BULLY DOG'S RULE OF THUMB FOR EXHAUST SIZES



BILL OF MATERIALS

1. 48" Straight Pipe
2. 24" Straight Pipe
3. Muffler
4. Y-Pipe
5. Passenger Front Piece Tail Pipe
6. Passenger Tail Pipe Tip
7. Driver Front Piece Tail Pipe
8. Driver Tail Pipe Tip
9. Hanger Bracket (2 pieces)
10. Clamps (6 Pieces)
11. Hangers (4 Pieces)

A. FRONT OF MUFFLER

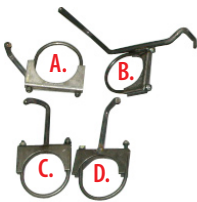
B. REAR OF MUFFLER

C. PASSENGER TAIL PIPE TIP

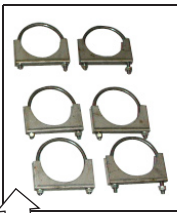
D. DRIVER TAIL PIPE TIP

TOOLS NEEDED

- 9/16" Wrench
- Sawzall
- Silicone Spray Lubricant
- Channel Locks



11.



10.



REMOVAL OF STOCK EXHAUST SYSTEM

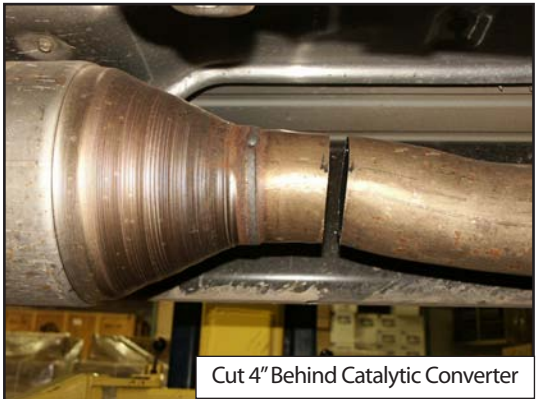
In these steps you will remove the stock exhaust system.

IMPORTANT: It is illegal in all 50 states to remove the catalytic converter.

1. Use a sawzall to cut the exhaust directly behind the muffler.



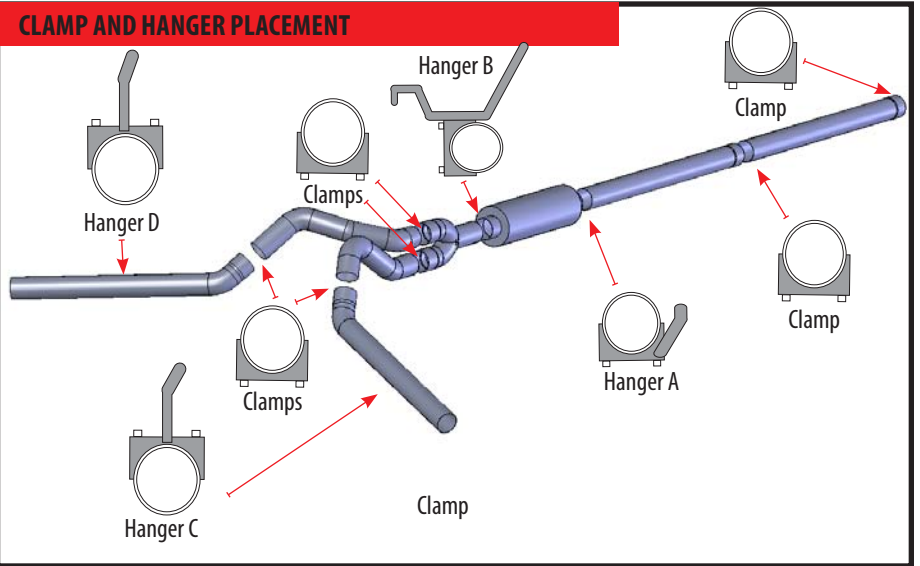
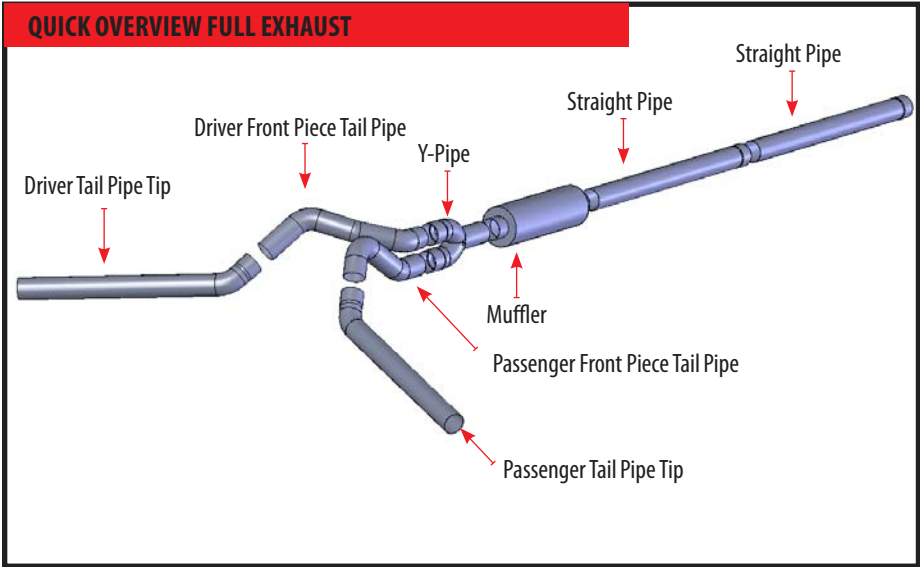
2. Use a sawzall to cut the exhaust 4" behind the Catalytic Converter.



3. To make removing the Hangers an easier process it is recommended that you use a silicone spray lubricant to spray each of the rubber hangers holding the stock exhaust.

4. Remove each piece of the stock exhaust system, including the stock exhaust hangers.

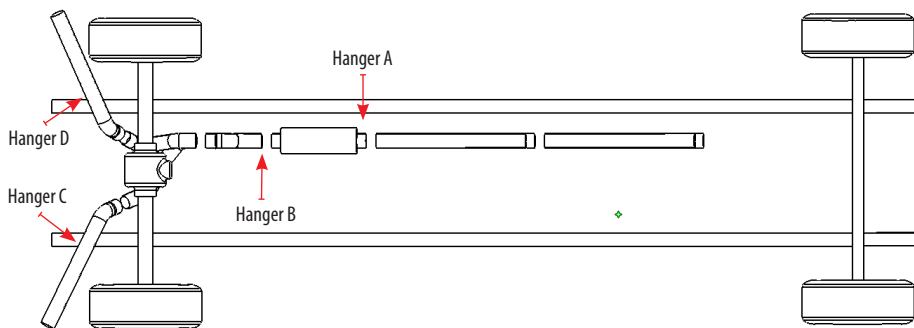




INSTALLATION OF THE BULLY DOG RAPID FLOW EXHAUST SYSTEM

In these steps you will install the Rapid Flow Exhaust System. Bully Dog's Exhaust Systems are one-cut system, meaning that you should only have to cut one pipe or less if installed correctly.

IMPORTANT: Do Not over-tighten Clamps. Too much torque will result in deformation of the exhaust. For best results when doing the installation, tighten the Clamps enough to hold the exhaust pieces in place, but don't tighten down until the entire exhaust system is installed.



1. It is suggested that before installing the system on the truck, the Rapid Flow Exhaust System be laid out on a large flat surface to acknowledge the location of each piece.

2. Hang each of the hangers. Hangers A & B will serve dual purposes, acting as both hangers and clamps. Hanger A will hold the front of the muffler and Hanger B will hold the rear of the muffler. Hanger C will hold the Passenger Tail Pipe Tip and Hangers C & D will hold the Driver Tail Pipe Tip. Before hanging Hanger D you will need first attached the Hanger Bracket onto the Frame. No drilling is necessary as there is already a hole in the frame at the correct location. Shown is Hanger C & Hanger D location which is directly across the frame.

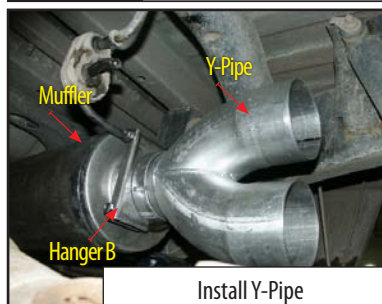


Note: At this point you will skip installing the other Straight Pipe and start at the Muffler and work back toward the rear of the vehicle.

3. Hang the Muffler from Hangers A & B.



4. Install the "Y" piece into the back of the Muffler. Secure by tightening Hanger B.



5. Install the Passenger Front Piece Tail Pipe by sliding it into the bottom junction point of the Y-Pipe. Secure with a Clamp. At this point do not tighten completely to allow for adjustments.

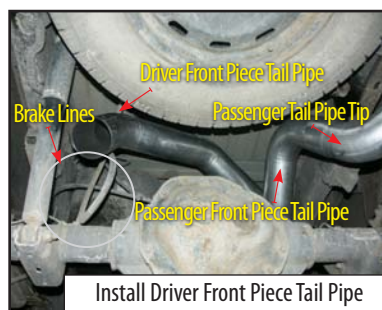
6. Install the Passenger Tail Pipe Tip and hang from Hanger C.

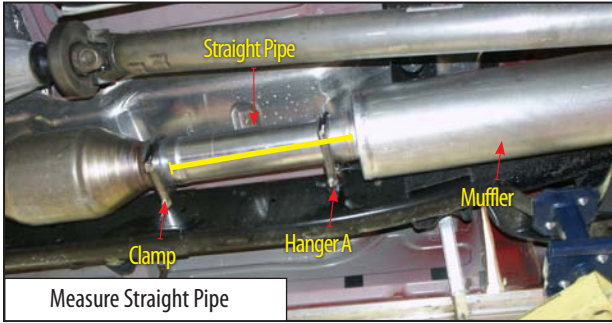


7. Install the Driver Tail Pipe Tip into the top junction point of the Y-Pipe. You may need to zip-tie the brake lines away from the exhaust, otherwise the heat may melt them.

8. Install the Driver Tail Pipe Tip and hang for Hanger D.

9. Snug up the Hangers to hold the system in place but do not tighten completely as the system may need to be adjusted in future steps





Measure Straight Pipe



Complete System Installed



Complete System Installed with Stainless Steel Tips

8. At this point it is time to install the Straight Pipe. You will need to measure and cut the Straight Pipe for the final fit. Keep in mind on both systems when you make your final cut you will need to leave an extra 3 inches of overlap when you cut the Straight Pipe.

9. Once the entire exhaust system is installed, inspect the system to ensure that no part of the exhaust is in direct contact with the chassis or body; adjustments may be necessary.

10. Return to each of the Clamps and tighten with a 9/16" wrench. Do not over tighten the Clamps.

11. Stainless Steel Tips are available from Bully Dog to give your truck that polished, classy look.

4" Systems

Part Number: 180466



Part Number: 180450



Part Number: 180291



TROUBLESHOOTING/FAQ

CONDITION	POSSIBLE SOURCES	ACTION
Which is better a 4" exhaust or a 5" exhaust system?	General	It really depends on the application. A bigger exhaust system will allow more airflow and lower exhaust temperatures. However too large of an exhaust system without other increases in horsepower will lower back pressure and give the vehicle a sluggish start. Bully Dog recommends a 4" Rapid Flow Exhaust system for horsepower applications under 450 hp. 5" Rapid Flow Exhaust Systems are recommended for applications running between 450 to 550 horsepower.
Exhaust Rattle	Exhaust Sounds	Either one of the Clamps is not tight or the exhaust is coming in contact with the chasis or body. Adjust the exhaust to ensure that no contact is made.

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 THIRTY (30) 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.