



BULLY DOG

#1 IN PERFORMANCE

INSTALLATION MANUAL



Vehicle Application	Part #
GM 6.6L Duramax '01-'07	43568





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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INTRODUCTION

Welcome to the world of increased power and performance from the leader in performance, Bully Dog Technologies. You have purchased Bully Dog's Power Pup designed specifically for the GM Duramax engines. The Power Pup Downloader is a very simple tool to operate. All operations take place inside the cab with the downloader plugged into the OBDII port.

Note: This set of instructions and the GM Duramax Power Pup Downloader included were designed exclusively for '01-'07 GM Duramax 2500 and 3500 pickup trucks. The Power Pup will also work on '06-'07 GM Duramax 4500 and 5500 engines.

IMPORTANT: Do not use this product in conjunction with any other electronic chip, tuner or downloader that is intended to enhance vehicle performance.

BILL OF MATERIALS

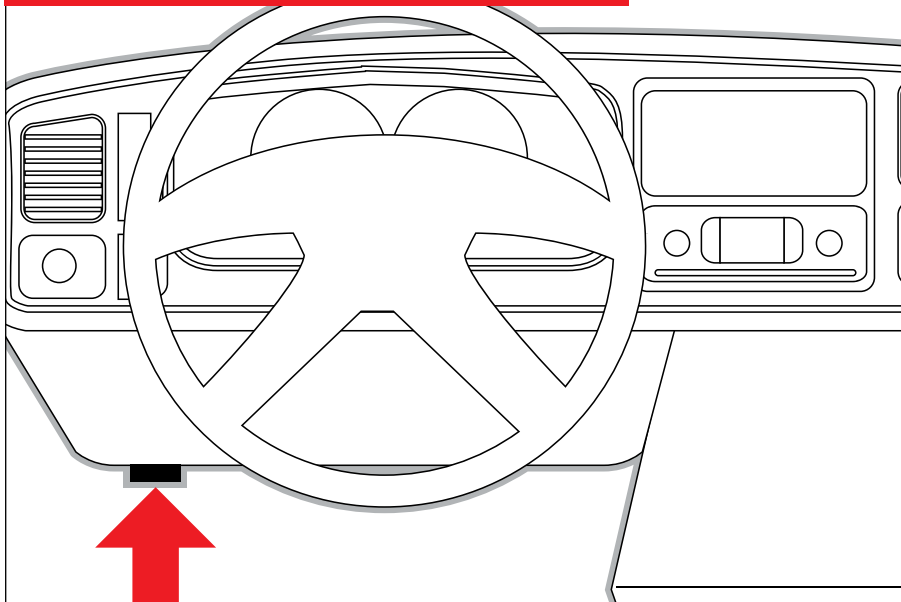
1. Power Pup Downloader
2. OBDII Cable

TOOLS REQUIRED

- Fuse Puller or Needle Nose Pliers (If applicable)



OBD II PORT LOCATION



This is a very simple product to operate; all operations take place inside the cab of the vehicle with the downloader hooked up to the OBDII port. Operating the Power Pup does not require any mechanical background. Refer to this instruction booklet for general guidelines throughout the download process to determine the different features available for your vehicle.

IMPORTANT: before connecting the Power Pup to the OBDII port, check to make see if the fuses need to be removed first.

REMOVING FUSES FOR '01-'02 GM DURAMAX VEHICLES

IMPORTANT: Skip the steps on this page if your vehicle is not an '01-'02 GM 6.6L Duramax.

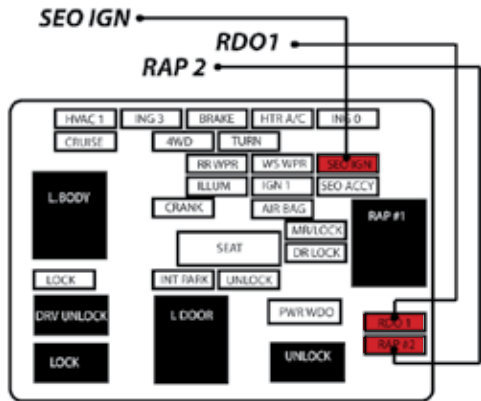
WARNING: Failure to remove the fuses while downloading the programs into the computer may result in computer hardware failure.

Note: Use your fuse puller included with your vehicle or a pair of needle nose pliers to pull the fuses.

This Fuse Box is located inside of the vehicle by the steering wheel.

•'01-'02 Duramax: The diagram at right shows the fuses that must be removed prior to downloader installation.

- SEO IGN
- RD01
- RAP2



'01-'02 Interior Fuse Box

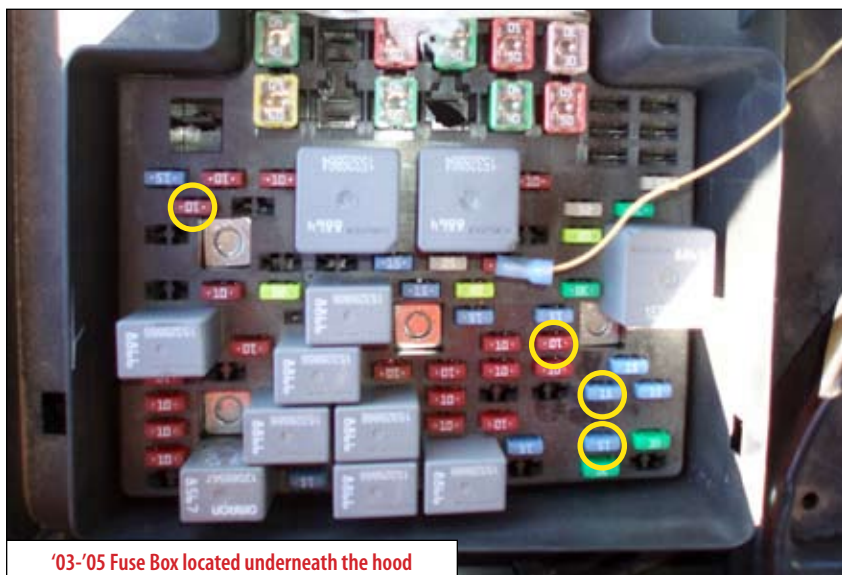
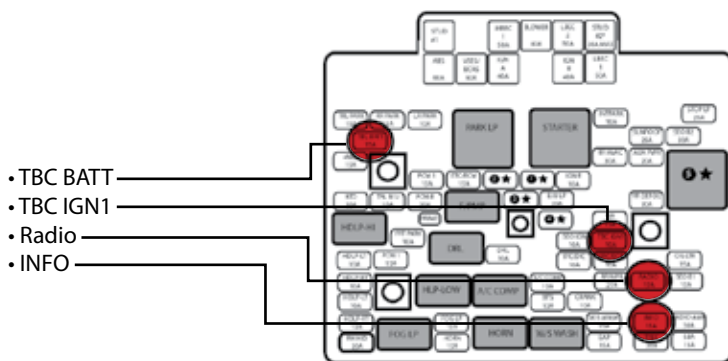
REMOVING FUSES FOR '03-'05 GM DURAMAX VEHICLES

IMPORTANT: Skip the steps on this page if your vehicle is not an '03-'05 GM 6.6L Duramax.

WARNING: Failure to remove the fuses while downloading the programs into the computer may result in computer hardware failure.

This Fuse Box is located underneath the hood on the drivers' side of the vehicle.

- **'03-'05 Duramax:** Refer to the diagram below to see the fuses that must be removed prior to downloader installation.



'03-'05 Fuse Box located underneath the hood

OPERATING INSTRUCTIONS (INITIAL DOWNLOAD)

IMPORTANT: The steps on this page are performed on all vehicles.



1. Make sure that your key is in the ignition in the off position before you plug the downloader into the vehicle. The downloader will later prompt you to turn the key to the run position.
2. Connect the cable that comes with the downloader into the top of the downloader and then into the OBDII port. The OBDII port is the diagnostic port located underneath the steering wheel on the driver side of the vehicle.
3. The downloader will light up to display the first screen. Then follow the instructions given to you on the screen of the downloader. The rest of these instructions cover the main points of operating the downloader, but do not cover screen to screen guidance.



SCREEN OPTIONS

DOWNLOADER:

Select this option to download a power program, remove the vehicle speed limiter, and adjust tire size.

Select the downloader option from the main menu and turn the key to the run position without starting the vehicle. The downloader will then read and save the vehicle's stock information.

DTCS:

Select this option to view and erase diagnostic trouble codes.

POWER LEVEL

Once the read is complete the downloader will display a list of power settings available. Use the up/down arrows to move through and select a power program.



SPEED LIMITER

The downloader gives racing enthusiasts the option to remove the OEM speed limiter on the LB7 and LLY models 2002 to 2005. On 2006 LLY and LBZ models this feature is fully adjustable allowing you to set the speed limiter to a specific speed. This allows the vehicle to reach speeds in excess of where the OEM speed limiter was set, usually at 96 mph. By selecting yes to remove the speed limiter you agree that your vehicle has tires, suspension, and any other necessary modifications rated for speeds in excess of 140 mph.

IMPORTANT: This modification is intended for race purposes only, and should never be used on a public road or highway.

SPEEDOMETER ADJUSTMENT

On models '02-'05 LB7 and LLY, the downloader offers the ability to adjust the OEM speedometer to read correct speeds with aftermarket larger tires. The downloader can make accurate adjustments for all tire sizes ranging from 25" to 45".

WARNING: adjusting the tire size to exceed 35" will cause the ABS light to turn on.

Note: Speed Limiter feature is not available on '01 models.

RETURNING TO STOCK

Plug in the downloader and select the download option from the main menu. Once in the power level selection menu, highlight "Stock" and press "Y". Then follow the instruction set out on the downloader. When finished, the downloader will have returned the vehicle to stock power level with the speed limiter in tact and the speedometer reacting to a stock tire size.



DTC FUNCTION (DIAGNOSTIC TROUBLE CODE)

Once selected from the main menu, the DTC function will display all diagnostic trouble codes on your vehicle. This function allows you to read and erase trouble codes off of the vehicle's ECU. To erase DTCs simply press "Y" and all DTC codes will be erased. If no DTCs are displayed, then just unplug the downloader and cycle the key.



RECOVERY MODE

If the download is disrupted during the download process, it is likely that the vehicle will need to be recovered. To recover the vehicle, turn the key to the off position and plug the Power Pup into the OBD II port and follow the on screen instructions. Once the vehicle is recovered, you can resume the download process safely.

TRIPLE DOG TROUBLESHOOTING

CONDITION	POSSIBLE SOURCES	ACTION
Downloader says unknown part #	Installation	If the downloader says unknown part# when you try to install, go to the downloader center on www.bullydog.com and get the latest version. If problem continues, call tech support.
Downloader doesn't light up when plugged into OBDII	Installation	If the downloader doesn't light up when plugged into the OBDII, check the cigarette lighter fuse. More than likely this fuse has blown.
Checksum error during initial install	Installation	Try unplugging the downloader and trying again. If problem persists, go to Bully Dog website, get latest upgrades and try again.

For more information on up-to-date troubleshooting guide for the Outlook, go to www.bullydog.com/Product_Updates.php



POWER TABLE
Horsepower Figures on this Chart are derived from a 2006 Duramax LBZ.

POWER INCREASE	HORSEPOWER	DESCRIPTION	RECOMMENDED USE
138 hp 294 ft-lbs	458 hp 936 ft-lbs	Extreme	Racing. must use pyro and boost gauges. Modified transmission highly recommended.
89 hp 193ft-lbs	409 hp 835 ft-lbs	Performance	Driving and light towing. Must use pyro and boost gauges.
54 hp 134 ft-lbs	374 hp 776 ft-lbs	Tow/ Economy	Every day driving and towing; under normal driving conditions may increase fuel economy.
0	320 hp 642 ft-lbs	Stock	Choose the stock setting to return to stock.

You Choose Between any of the Available Power Levels by Scrolling through the Menu on the Power Pup and then pressing 'Y' to Choose.

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 waivers 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

Doc.# BD43003 v1.0.1

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)