



# **BULLY DOG**

**#1 IN PERFORMANCE**

## **INSTALLATION MANUAL**



Triple Dog E3 for Gasoline Powered Applications

Part Number: 40506



## UPDATING THE PRODUCT ONLINE

Always update your product before installing on a vehicle using the Update Agent internet update software. Get a free copy of the Update Agent online at [bullydog.com](http://bullydog.com). See the system requirements below for running the Update Agent on your PC. Sorry the Update Agent is not Mac compatible.

Hardware & Software requirements for the Update Agent include:

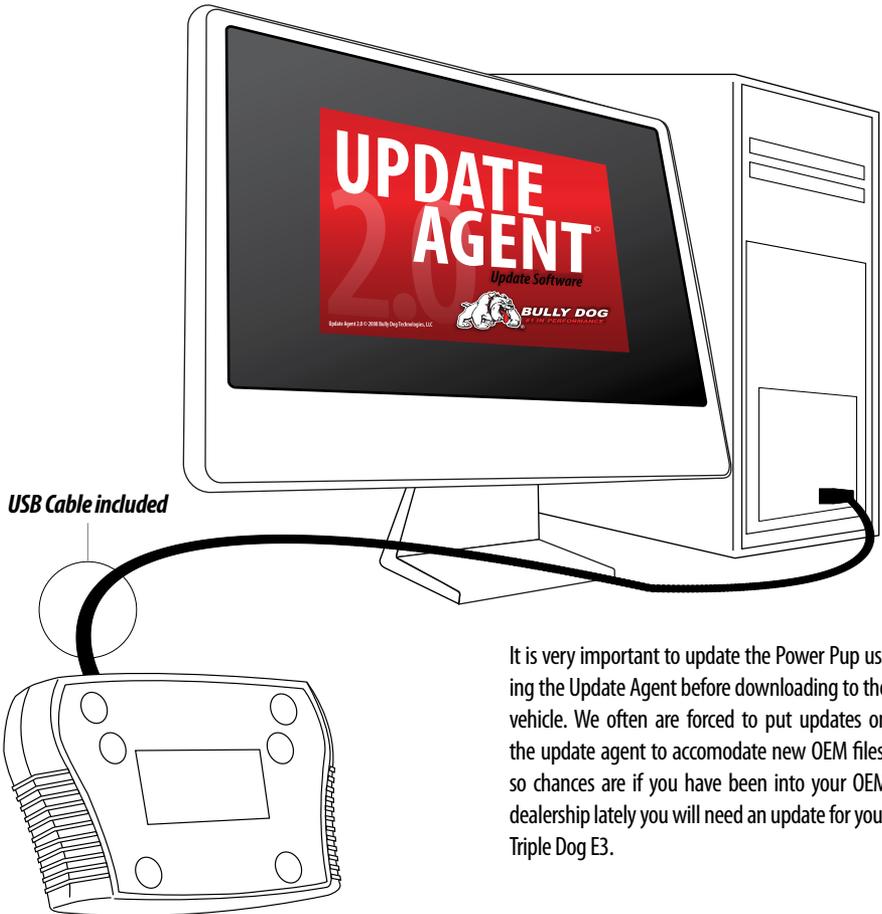
Windows™ XP, 2000, NT or Vista

Microsoft .Net framework version 2.0 re distributable package (x86)

64 MB minimum of RAM

200 MB free space on hard drive recommended

56 K minimum internet connection, DSL or cable connection strongly recommended



It is very important to update the Power Pup using the Update Agent before downloading to the vehicle. We often are forced to put updates on the update agent to accommodate new OEM files, so chances are if you have been into your OEM dealership lately you will need an update for your Triple Dog E3.

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## INTRODUCTION

Congratulations on purchasing the Triple Dog E3™, our low cost solution to rising fuel prices. The Triple Dog E3 is designed to improve efficiency on your gasoline powered vehicle. We achieve this by loading more efficient engine tuning software into the vehicles computer; we even include a tune for vehicles running E85 ethanol. The result is usable increases in horsepower and improve fuel economy. Triple Dog E3 also carries some special features like: Calibrating the OEM speedometer for larger aftermarket tires and reading and erasing Diagnostic Trouble Codes. Our rigorous development and testing processes ensures a quality product that produces positive results.

**SEE OUR VEHICLE APPLICATION CHART ON THE NEXT PAGE TO IDENTIFY YOUR VEHICLE APPLICATION.**

This product is extremely easy to install. All installation takes place inside the cab of the vehicle through the OBDII port. For installation questions or guidance contact your local dealer or distributor. You can also contact the Bully Dog tech support group Monday-Friday, 8am-5pm Mountain Standard Time.

**Bully Dog Technical Support: (866) 285-5936.**

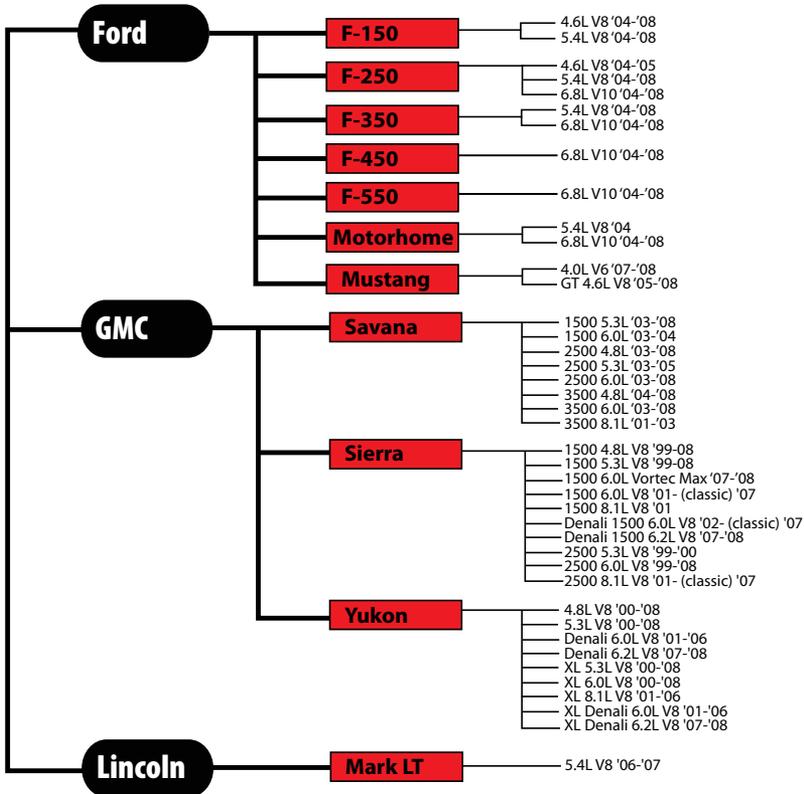
Installation of this product can take up to 20 minutes. We strongly suggest that installation of the Triple Dog E3™ be done when the vehicle is not in need of use. We highly recommend that this product be installed during normal business hours: 8am to 3pm Mountain Standard Time to avoid any inconveniences associated with installation issues. Installation of the program into the vehicle ECM is an easy but delicate process. The download process, if interrupted, can create issues which may add time to complete a successful install.

## PRODUCT FEATURES

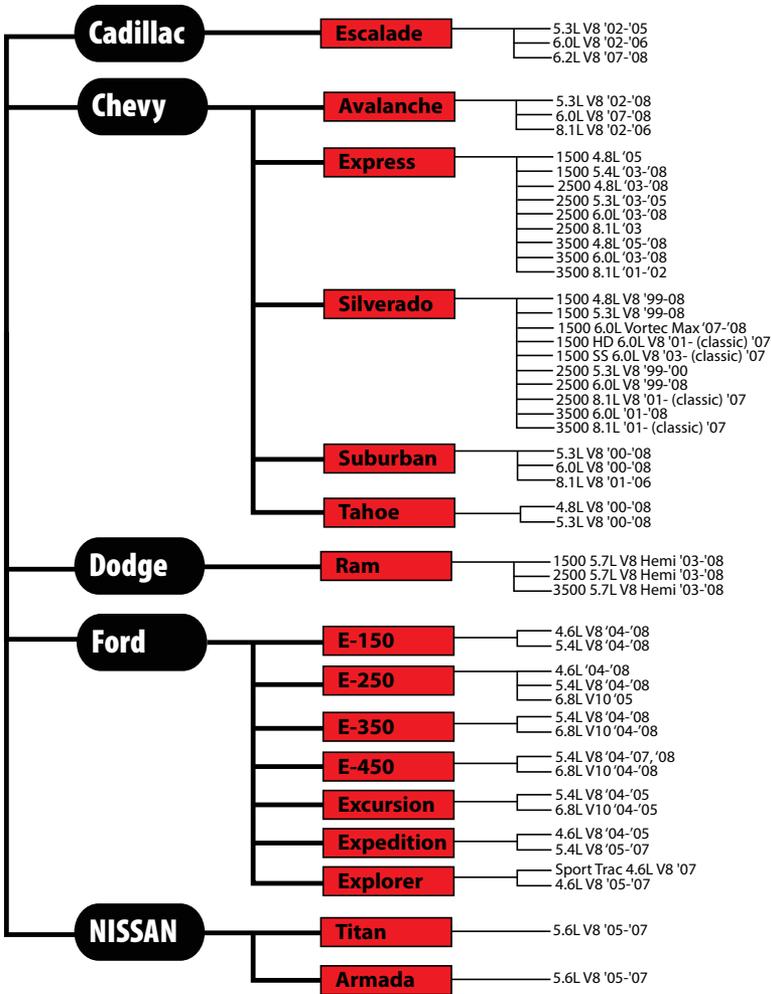
- **Engine Tuning:** one Economy tune and one Flex Fuel tune.
- **Adjust Speed limiter:** This feature allows you to adjust the top speed that a vehicle is able to go, use this feature to lower a vehicles top speed and achieve better fuel economy.
- **Calibrate Speedometer (Tire Size):** Calibrate OEM speedometer to aftermarket tires and or wheels. This feature may not exist for all vehicles.
- **Read and Erase Diagnostic Trouble Codes.**
- **View Settings:** Menu item that shows exactly how all of the features above are setup.

If your vehicle is not on this chart do not attempt installation of the Triple Dog Gas without checking the Bully Dog website at [www.bullydog.com](http://www.bullydog.com) or calling our tech support line at (866) 285-5936.

## Triple Dog E3 Gas (part 40506) Applications



# Triple Dog E3 Gas (part 40506) Applications



## BILL OF MATERIALS

The list and diagram shown below includes all of the hard parts required for installation of the product on the vehicle, and updating the product online.

### BILL OF MATERIALS

Triple Dog E3™ Downloader  
OBDII Cable  
USB Cable (Used for Internet Updates)

### TOOLS REQUIRED

Fuse Puller or  
Needle Nose Pliers (If applicable)



# Installation Precautions

(VERY IMPORTANT)

## INSTALLATION PRECAUTIONS: (VERY IMPORTANT)

**It is important to take some precautions before downloading, changing settings, or returning to stock. These precautionary steps to installing the Triple Dog E3™ will help ensure that downloads are successful.**

1. Before installation, always update the Triple Dog E3™ online using our Update Agent. The Triple Dog E3™ is an online program that loads the latest vehicle programs from our web site to the Triple Dog E3.
2. Only install during recommended install time. (Monday-Thursday 8am-3pm Mountain Standard Time)
3. Do not install while the vehicle is in a remote location or when the vehicle is immediately needed for transportation. In the unlikely event that installation fails, the installer may need resources such as computer access and internet access to complete installation.
4. Allow up to one hour for installation. The Triple Dog E3™ easily installs in under 30 minutes. However, allocate at least an hour for installation in case any problems are encountered during installation.
5. Before installation, always make sure that the batteries have a full charge. It is even a good idea to have a battery charger nearby in case the batteries start draining. If the batteries lose their charge during a download, the download will fail.
6. Before installation, turn off all electronics inside the vehicle including: headlights, heater, air conditioning, stereo, any DVD players, etc. Failing to turn off all electronics may prevent a successful download.
7. Before installation always pull all of the recommended fuses seen in the section labeled "Fuse information," in this instruction manual.
8. During installation it is very important that the Triple Dog E3™ is not disrupted. If the download is disrupted the vehicle may not start and the download process must be restarted. In worst case scenarios the Triple Dog E3™ will have to perform a recovery process which adds even more time to the installation process.

**The information above is extremely important to successful use of the Triple Dog E3**

### **IMPORTANT**

*It is not recommended that this product be used in conjunction with any other electronic module or downloader that is intended to increase horsepower.*

*Performance products must always be removed before taking the vehicle in for any kind of service. The Bully Dog software will be lost if an OEM scan tool is used to reflash the engine computer.*

## FUSE INFORMATION GM '99-'06 ONLY

***Before installing a download into the vehicle always pull the fuses mentioned below for the GM applications mentioned below. Be sure to replace all of the fuses back into the vehicle fuse box once a download has been completed.***

### **'99-'02 GM C/K w/4.8/5.3/6.0/8.1L Engines**

**Remove these Fuses from the Fuse Box Located Inside the Vehicle** (located near the driver's side dash)

- #1 - SEO ING (Special Eq. Options/Ignition)
- #16 - SEO ACCY (Special Eq. Options/Accessories)
- #29 - RDO1 (Radio)
- #30 - RAP2 (Relay Power)

**Remove these Fuses from the Fuse Box Located Under the Hood**

- #60 - TBC (Body Computer)

### **'03-'06 GM C/K w/4.8/5.3/6.0/8.1L Engines**

**Remove these Fuses from the Fuse Box Located Inside the Vehicle** (located near the driver's side dash)

- #16 - SEO ACCY (Special Eq. Options/Accessories)
- #17 - TBC 2B (Body Computer)
- #18 - TBC 2C (Body Computer)
- #20 - TBC ACCY (Body Computer)
- #23 - TBC 2A (Body Computer)

**Remove these Fuses from the Fuse Box Located Under the Hood**

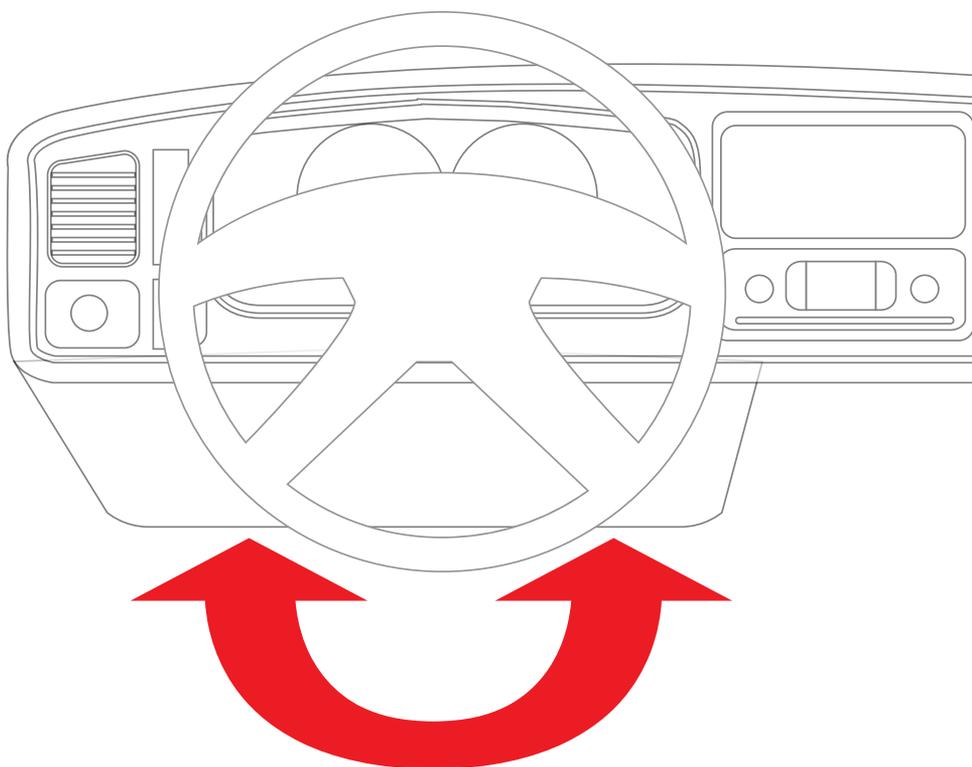
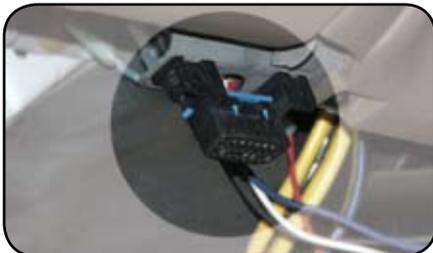
- #16 - TBC BATT (Body Computer)
- #38 - TBC IGN1 (Body Computer)
- #50 - Radio
- #58 - INFO

***Replace all fuses after the download is complete!***

## INSTALLATION INTRODUCTION/OBDII PORT

*This is a very simple product to install and operate; all operations take place inside the cab of the vehicle with the Triple Dog E3™ hooked up to the OBDII port. Operating the Triple Dog E3™ does not require any mechanical background. This product does not limit the amount of times that a download can be entered and removed from a vehicle, but it will only work on one vehicle at a time.*

*The diagram below illustrates the general location of the OBDII port on any of the vehicles listed in the vehicle application chart.*



### **OBDII Port Location**

**All OBDII ports are located under the dash on the drivers side of the vehicle.**

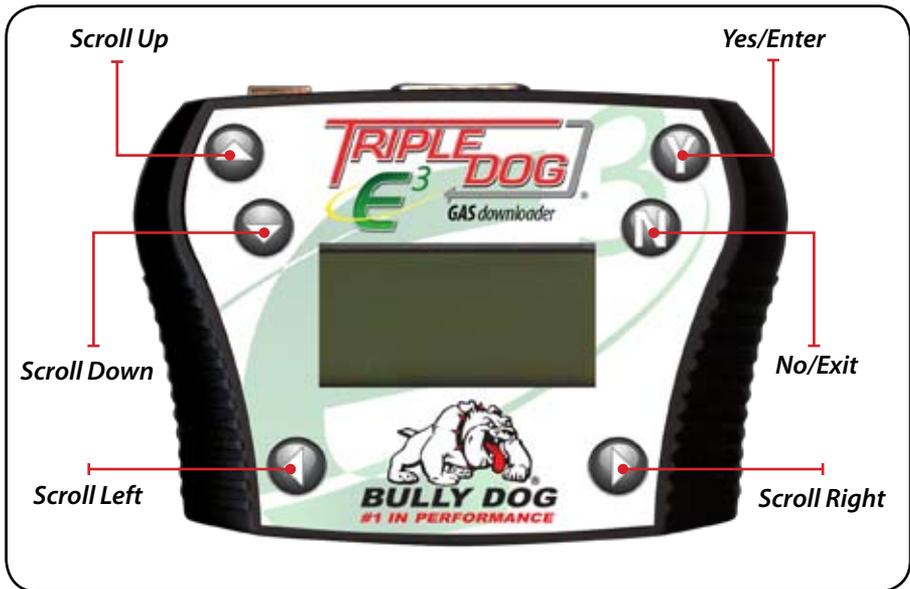
## GETTING STARTED (STARTING THE DOWNLOADER/NAVIGATION)

To get started, with any of the Triple Dog E3 functions, follow the steps below:

1. Make sure that your key is in the ignition and in the off position before you plug the downloader into the vehicle's OBDII port. The downloader will later prompt you to turn the key to the on/run position.
2. Connect the OBDII cable that comes with the downloader into the top of the downloader and then into the OBDII port.
3. The downloader will light up to display the opening screen, and then it will go to a vehicle selection screen. While in the vehicle selection screen select your vehicle make.
4. After you select your vehicle the downloader will then display the Main Menu. See the main menu on the next page.



This Diagram illustrates how to use the buttons on the front of the downloader to navigate through the menu systems and screen prompts given on the downloader.



## VEHICLE SELECTION SCREEN

*The Triple Dog E3 will display the vehicle selection screen the very first time you plug it into an OBD II port. When the vehicle selection screen appears simply select the vehicle make that fits your vehicle application. Once the correct vehicle is selected the Triple Dog will display the Main Menu. The Main Menu is shown and described on the next page.*



### ***• If the wrong vehicle is selected follow these steps:***

1. After initially selecting the wrong vehicle wait for the downloader to display the Main Menu.
2. Once in the Main Menu select "Change Vehicle."
3. The downloader will display the vehicle selection menu. Simply highlight the correct vehicle and press the "Y" button. Then wait for the downloader to load the correct vehicle and it will then display the Main Menu.

## MAIN MENU OPTIONS

The Triple Dog E3 will display the main menu as seen below after going through the vehicle selection process. The Main Menu will display all of the following options, see the following pages for a full description of each menu item.



**CHANGE VEHICLE:** Select this option to navigate to the Vehicle Selection screen and choose a new vehicle type.

**INSTALL DOWNLOAD:** Select this option to begin the download process. Once the download process has begun it will take 15-20 minutes to complete, the process will include selecting desired power level and selecting different parameters in the vehicle specific features.

**DTC MENU:** Select this option to view and erase diagnostic trouble codes. This option should be used if the vehicle gauge cluster is displaying a "Check Engine," light.

**SETTINGS:** choose this option to view the current downloader configuration.

## CHANGE VEHICLE

Once Selected the Change Vehicle Option will display the Vehicle Selection Screen. This feature should be used if:

1. The wrong vehicle has been selected
2. If the Triple Dog E3 is being transferred to a new vehicle.

The Change Vehicle Option will only appear in the Main Menu if the Triple Dog E3 is not installed on a vehicle.



## INSTALL DOWNLOAD

To begin the downloading process select the "Install Download" option from the main menu and follow the screen prompts. The flow chart below shows an example of the download process as an illustration of each screen seen during the download process. Always follow the installation precautions before downloading, changing settings, or returning a vehicle to stock. Here are the items covered in this section:

- Download Sequence flow chart
- Engine Tuning
- Adjusting Speed Limiter
- Calibrating Speedometer
- Changing Download Settings
- Returning to Stock

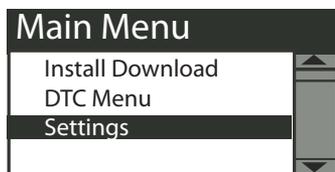
Turn key to the "ON" position when the Downloader calls for it.

Do not start the engine unless the instructions or the downloader specifically call for it.

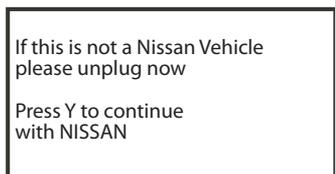


### DOWNLOAD SEQUENCE FLOW CHART:

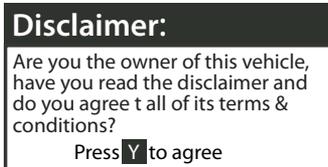
This diagram illustrates the entire download sequence screen by screen, if these screen shots do not match exactly what is on your screen it is because there are slight variations between vehicles. Simply follow the onscreen instructions on the Triple Dog E3 and continue the download process.



From the Main menu select Install Download to initiate the download process.



Press "Y" to continue. Do not under any circumstances proceed if the vehicle is not displayed on this screen.



Press "Y" to agree to the disclaimer and proceed with the download.



Turn the key to the run position and wait for the downloader to establish communication.

The Download Sequence is continued on the next page.

### Reading Engine

Please wait  
DO NOT UNPLUG!

50%

Do not disturb the Triple Dog E3.

### Verifying File

Please wait  
DO NOT UNPLUG!

17%

Do not disturb the Triple Dog E3.

### Power Level

Select Level

Economy

Press Y to Accept

Select the Desired Engine Tune at this point.

### Speed Limiter

Press Y to modify  
Speed Limiter  
Press N to use  
Stock Speed Limiter

Press "Y" to opt into adjusting speed limiter.  
Press "N" to continue with factory settings.

### Speed Limiter

Select speed

70

Press Y to Accept

This screen only appears if opted into adjusting speed limiter. Choose value by pressing "Y".

### Tire Size

Press Y to modify Tire size  
press N to use Stock tire size

Press "Y" to opt into adjusting tire size. Press "N" to continue with factory settings.

### Tire Size

Select size

36.00

Press Y to Accept

This screen only appears if opted into adjusting tire size. Choose value by pressing "Y".

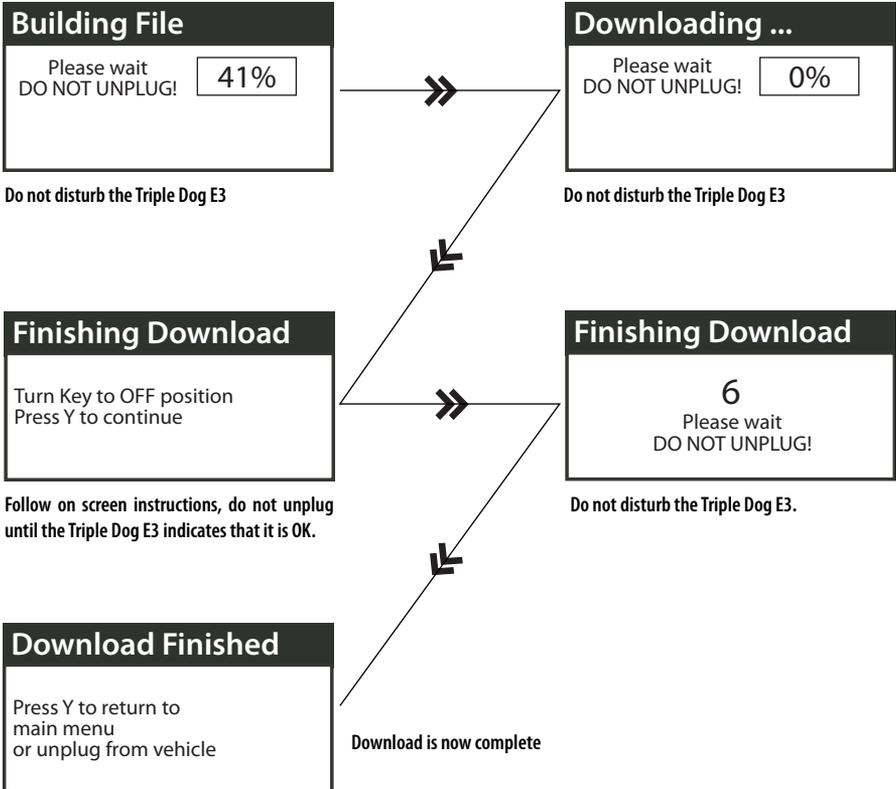
### Processing Calibration

Please wait  
DO NOT UNPLUG!

9%

Do not disturb the Triple Dog E3.

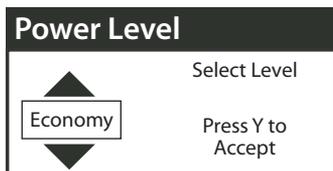
The Download Sequence is continued on the next page.



## ENGINE TUNING (CHOOSE A PERFORMANCE ENGINE TUNE):

The Triple Dog E3 contains two engine tunes, both packed with performance and fuel economy. It is important to pay attention to the restrictions of each engine tune, do not run the Flex Fuel (Ethanol) tune unless the vehicle is rated by the OEM to run Flex fuel and note that this tune is designed for E85.

Use the Up and Down arrows to highlight an option, press "Y" to select.



**Flex Fuel** – Select this option for an optimum efficiency Flex Fuel tune; designed for E85.

**Economy** – Select this option for a boost in fuel economy and medium performance gains, run any grade of fuel with this setting.

**Stock** – Select stock to utilize other Triple Dog E3 features without affecting horsepower.

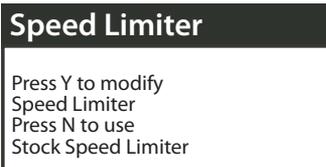
## \*SPEED LIMITER/SPEED GOVERNOR:

The OEM speed limiter will limit the vehicle to a top speed that is determined by the OEM. This feature enables changing the OEM speed limiter to a higher point or lower point. By selecting "Yes," to modify the speed limiter you agree that your vehicle has tires, suspension, and any other necessary modifications rated for speeds in accordance with the adjustment made.

Note: Each vehicle application has different limitations to which the speed limiter can be adjusted. See the table below for general limitations by make:

*\* feature not available on every vehicle application.*

Speed Limiter adjustment by make		
Make	Minimum	Maximum
Dodge	50 mph	200 mph
Ford/Lincoln	40 mph	126 mph
GM	50 mph	135 mph
Nissan	40 mph	180 mph



To activate and utilize the speed limiter download feature, the feature must be activated during the download.



## \*CALIBRATE OEM SPEEDOMETER FOR TIRE SIZE:

Adding a different sized tire than the stock OEM tire size will cause the speedometer to read incorrect speeds. The Triple Dog E3 Downloader can calibrate the OEM speedometer to read correctly depending on the vehicle and depending on how drastic the modified tire size is; each vehicle has limitations.

Note: Each vehicle application has different limitations to which the speedometer can be calibrated for tire size. See the table below for general limitations by make:

*\*feature not available on every vehicle application.*

Tire Size Adjustment by make		
Make	Minimum	Maximum
Dodge	23"	45"
Ford/Lincoln	24"	35"
GM	25"	45"
Nissan	NA	NA

## Tire Size

Press Y to modify  
Tire Size  
Press N to use  
Stock Tire Size

Press Y to calibrate the speedometer, Press Y to run the factory settings.

## Tire Size

Select size  
36.00  
Press Y to  
Accept

## CHANGING DOWNLOAD SETTINGS/ RETURNING TO STOCK SETTINGS:

To return the vehicle to stock or to change any of the Download settings: Engine Tune, Speed Limiter, or Tire Size follow the steps below.

1. Select Install Download from the main menu
2. Follow the screen prompts on the downloader screen.
3. When the following Screen prompt appears you will need to select "Y" to Change settings or "N" to return to stock.

After you have taken your original vehicle back to stock, you can install the Triple Dog E3™ in a different vehicle. Before installing however, update the product online using the Update Agent. Before installing the Triple Dog E3 on a different vehicle, be certain that the new vehicle fits within the range of vehicle applications that are compatible with the part number and software version number associated with the Triple Dog E3.

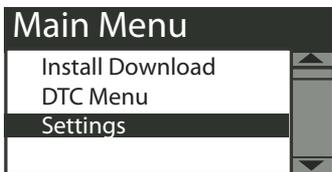
## Already Downloaded

This Vehicle Has a Download  
Already Installed  
Y to Change Download Settings  
N to Return to Factory Stock

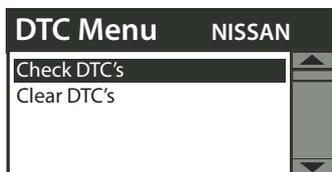
## DTC MENU

*DTCs or diagnostic trouble codes are warnings saved on the engine computer that generally point to a particular malfunction in the vehicle. DTCs are an excellent method of diagnosing a vehicle, in fact this method is used by the OEM.*

*To read or erase DTCs start by selecting "DTC menu" from the main menu. Once in the DTC menu you will find two options to choose from: Check DTCs and Clear DTCs. See the description for each below.*



Select the DTC Menu item from the main menu to enter the DTC Menu.

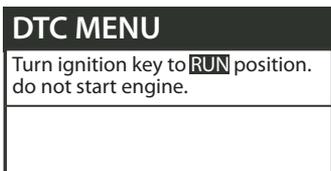


Select either Check DTC's or Clear DTC's from the DTC menu to use either function.

### CHECK DTCs:

This function will look for any diagnostic trouble codes stored in the engine computer and will display all of the codes on the Triple Dog E3 screen. Notice that most codes are accompanied by a description of the code. The diagram below illustrates the checking DTCs process screen by screen.

Once the DTCs have been checked and are displayed on the screen they can be erased within this function by pressing "Y". Press "N" to exit into the main menu.



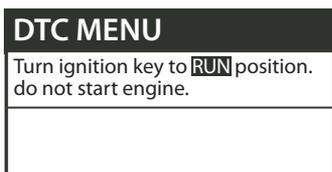
Turn the key to the run position and wait for the downloader to establish communication.



On this screen, scroll down to view all DTCs. Press "Y" to erase the DTCs, Press "N" to exit back into the main menu without erasing the codes.

### ERASE DTCs:

This function will simply erase whatever DTCs are found on the vehicle computer without displaying any of the DTCs on the screen. The diagram below illustrates the Erasing DTCs process screen by screen.



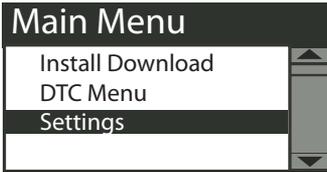
Turn the key to the run position and wait for the downloader to establish communication.

Choosing this function will automatically erase the DTCs on the vehicle and then exit directly back into the Main Menu.

## SETTINGS MENU

Enter the settings menu to see how all of the downloader features are setup. All of the following features can be checked using this menu item.

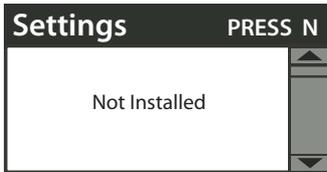
### OCTANE (ENGINE TUNE) & TIRE SIZE:



Select the setting menu item.

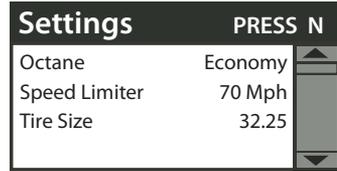


### NO DOWNLOAD INSTALLED



If there is no download installed on the vehicle following screen will appear.

### WITH DOWNLOAD INSTALLED

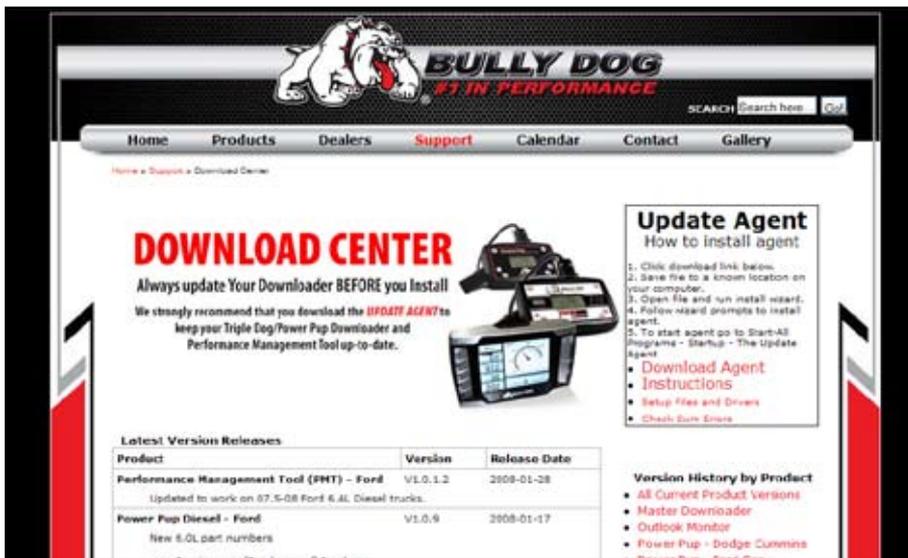


With download installed the settings menu will display Octane, Speed Limiter & Tire Size settings currently programmed into the vehicle.

## UPDATE AGENT

**IMPORTANT:** The information on this page is applicable to all vehicles.

Since the release of the Triple Dog E3™, we have continued to add new vehicle models and features to it. New vehicle applications and features are added to the Triple Dog E3™ at no additional charge. Simply visit Bully Dog's web site [www.bullydog.com/download\\_center.php](http://www.bullydog.com/download_center.php) to access the Download center to obtain the latest software version available for the Triple Dog E3™ downloader.



**DOWNLOAD CENTER**  
Always update Your Downloader BEFORE you Install!  
We strongly recommend that you download the **UPDATE AGENT** to keep your Triple Dog/Power Pop Downloader and Performance Management tool up-to-date.

**Update Agent**  
How to install agent

1. Click download link below.
2. Save file to a known location on your computer.
3. Open file and run install wizard.
4. Follow wizard prompts to install agent.
5. To start agent go to Start-All Programs - StartUp - The Update Agent

- Download Agent Instructions
- Setup Files and Drivers
- Check Burn Errors

**Latest Version Releases**

Product	Version	Release Date
Performance Management Tool (PMT) - Ford Updated to work on 07.5-08 Ford 6.4L Diesel trucks.	V1.0.1.2	2009-01-28
Power Pop Diesel - Ford New 6.0L part numbers	V1.0.9	2009-01-17

**Version History by Product**

- All Current Product versions
- Master Downloader
- Outlook Monitor
- Power Pop - Dodge Cummins
- Power Pop - Ford

The most efficient way of keeping up-to-date with Bully Dog product versions is to use the Update Agent. The Update Agent is a software program developed by Bully Dog Technologies specifically designed to update Bully Dog products. The Update Agent is easy to use, it can be loaded on any windows based PC running Windows XP or newer. The Update Agent is attainable free of charge at the Bully Dog Download Center or by ordering a CD ROM through a Bully Dog distributor.



## TRIPLE DOG E3™ TROUBLESHOOTING

CONDITION	POSSIBLE SOURCES	ACTION
Downloader displays: <b>Update Needed</b>	Installation	If the downloader displays <b>Update Needed</b> during installation try updating the product using the Update Agent software. once updated try installing again.
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. Replace the fuse if blown.
Downloader displays Checksum error during initial install	Installation	Unplug Triple Dog E3 and try again. If problem continues, update the product using the Update Agent software and try again.
Where is Product Serial # Located?:	Location	There is a sticker on the back of the downloader. It is also displayed on the screen when the unit is first plugged in.

For more information on up-to-date troubleshooting guide for the Triple Dog E3™, go to [www.bullydog.com/Product\\_Updates.php](http://www.bullydog.com/Product_Updates.php)

### WARRANTY INFORMATION:

Warranty information for the Triple Dog E3™ downloader can be found in the Triple Dog E3™ package along with this instruction set. Warranty information can also be found on the web at:

[www.bullydog.com](http://www.bullydog.com)

# **UNLEASH THE POWER**

## **WITH BULLY DOG PERFORMANCE PRODUCTS**

T Shirts



Intake Systems



Exhaust Systems



Fuel Reformulator



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

**Doc.# BD40506 v1.0.0**

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)