



BULLY DOG

#1 IN PERFORMANCE

INSTALLATION MANUAL



Vehicle Application	Part #
Ford (6.0L) '03-'07	40300
GM (6.6.0 L) '01-'07	40300
Dodge (5.9 L) '03-'07	40300



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 66 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

The PMT is the most advanced vehicle downloader, controller, monitor and gauge in a single unit. This product is engineered to provide the most benefits and the greatest features of any combination of engine performance and monitoring enhancements in the automotive aftermarket. This product is easy to install on any applicable vehicle; all operations of the PMT take place in-cab and feature on-the-fly adjustments. This owners manual comes with both installation instructions and operating instructions. For free technical support and all product related questions call: 866-285-5936.

This instruction set outlines how to install and operate the PMT on the following:

***Dodge 5.9L Cummins
'03-'07***

***Ford 6.0L Power Stroke
'03-'07***

***GM 6.6L Duramax
'01-'07***



Be sure to update the PMT through the Update Agent before installing on your vehicle.

BILL OF MATERIALS

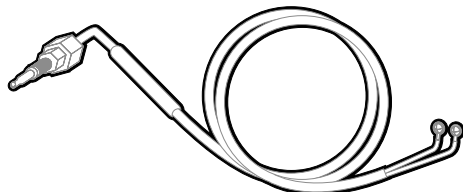
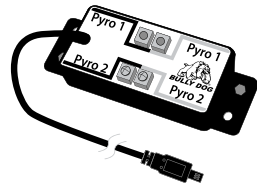
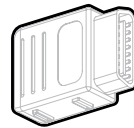
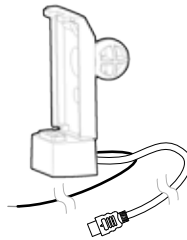
The list below includes by name the major parts included in your PMT package. The tools list indicates all of the tools necessary to complete the PMT install.

BILL OF MATERIALS

The PMT Head Unit
PMT Cradle w/ Cradle Cable & Power Wire
OBDII Adapter Plug
Dash Mount Assembly
Custom A-Pillar Mount Assembly
PCH Assembly w/PCH Cable
Pyrometer Cable
SD Card Reader

TOOLS NEEDED

- Flat Head Screwdriver
- Phillips Head Screwdriver
- Wire Strippers
- Electric Drill
- $\frac{5}{16}$ " Drill Bit
- $\frac{1}{8}$ " Pipe Tap
- $\frac{9}{16}$ " Wrench
- $\frac{5}{8}$ " Wrench
- Fuse Puller



PARTS DESCRIPTION

This section describes each of the parts in the Bill of Materials, the descriptions provide a physical set of attributes and a purpose for each part. The parts descriptions also list everything that is included in each assembly.

The PMT Head Unit

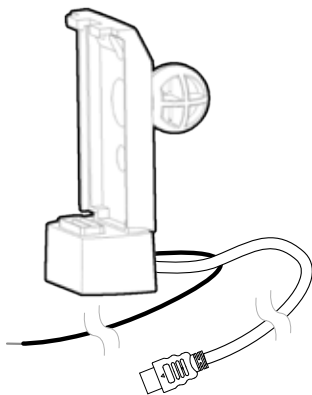
The main component is the PMT Head Unit. The Head Unit is the interface in which you control vehicle performance parameters. It is also the brains that will save vehicle activity and defuel a vehicle. Notice that the head unit has: seven total buttons, five on the left side and two on the right, a large color screen, an electronic plug for docking on the bottom and a snap hinge on the top also used for docking. Note that this is the last piece that you will install.

Note: PMT includes a SD card inserted in the side of the Head Unit.



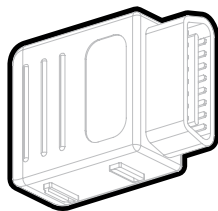
PMT Cradle with Cradle Cable and Power Wire

The cradle itself is the docking station for the PMT Head Unit. It acts as the means of communication for the PMT. Notice that two wires come out of the bottom back side of the cradle, the Cradle Cable and the Power Wire. During the installation, the Cradle Cable runs to the OBDII Adapter Plug and the Power Wire runs to the vehicle fuse box.



OBDII Adapter Plug

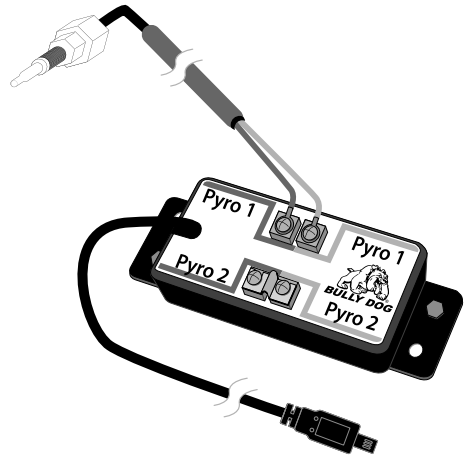
The OBDII Adapter is rectangular and has a total of four electronic ports. The largest port on the top of the adapter plugs into the vehicle OBDII port. The three smaller ports on the sides include: a Cradle Cable port on one side, and on the opposite side a 4 Pin PCH Cable port and a 5 Pin Peripheral port. The main purpose of the OBDII Adapter Plug is to act as a hub for all communication lines between the PMT and the vehicle.



Pyrometer Connection Head (PCH) Board Assembly

The PCH Board or Pyrometer Connection Head serves as a dock to connect the pyrometers into the PMT system. The PCH Board includes the ability to connect two pyrometers. Attached to the PCH Board housing is a cable with four pin plug which connects to the OBDII Adapter Plug. The list below includes all separate parts that make up the entire PCH Board Assembly.

- PCH Board
- Velcro
- (2) Self-tapping Sheet Metal Screws
- Pyrometer Cable



Dash/Windshield Mounting Assembly

This mounting assembly is recommended mainly for use on the dash of the vehicle, but can also be used in the same manner on the windshield of the vehicle. The assembly includes all parts and pieces necessary to mount the cradle, along with the PMT to the vehicle dash or windshield. The list below includes all parts and pieces of this assembly (must be assembled by installer):

- Mounting Base
- Top Cradle Arm
- Bottom Cradle Arm
- Top Aluminum Plate
- Bottom Steel Plate (threaded)
- (2) Flat-head Screws
- Double Stick Foam Tape.

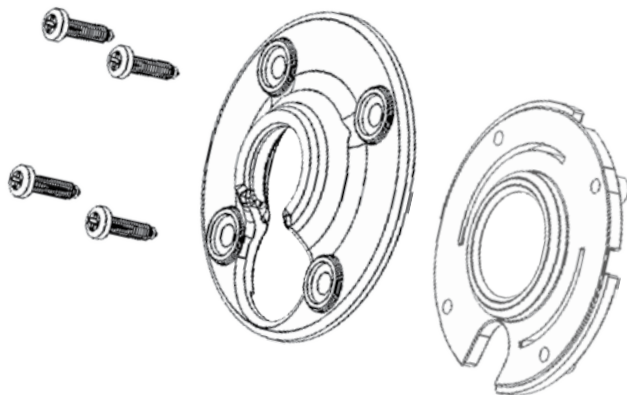


Custom A-Pillar Mount Assembly

This mounting assembly enables the PMT to be mounted on the Custom A-Pillar Pod on the driver's side of the vehicle. Using this mounting style does require that a Custom A-Pillar Pod be purchased from Bully Dog, but it also offers the cleanest install.

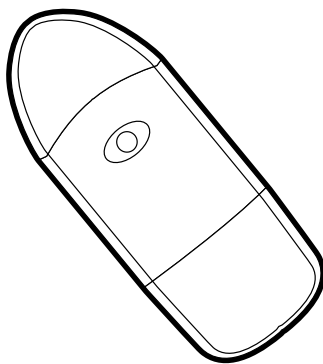
The Custom A-Pillar Mount Assembly includes:

- Front Mounting Plate
- Back Mounting Plate
- (4) Mounting Screws



USB to SD Card Adapter

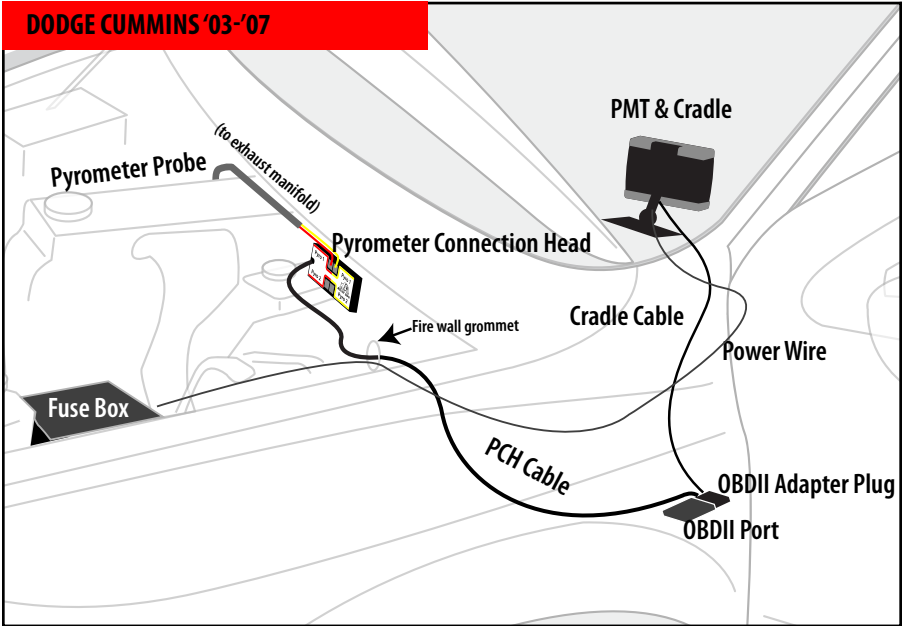
This Card Reader is used to update the PMT's SD memory card . It is used primarily for internet updates.



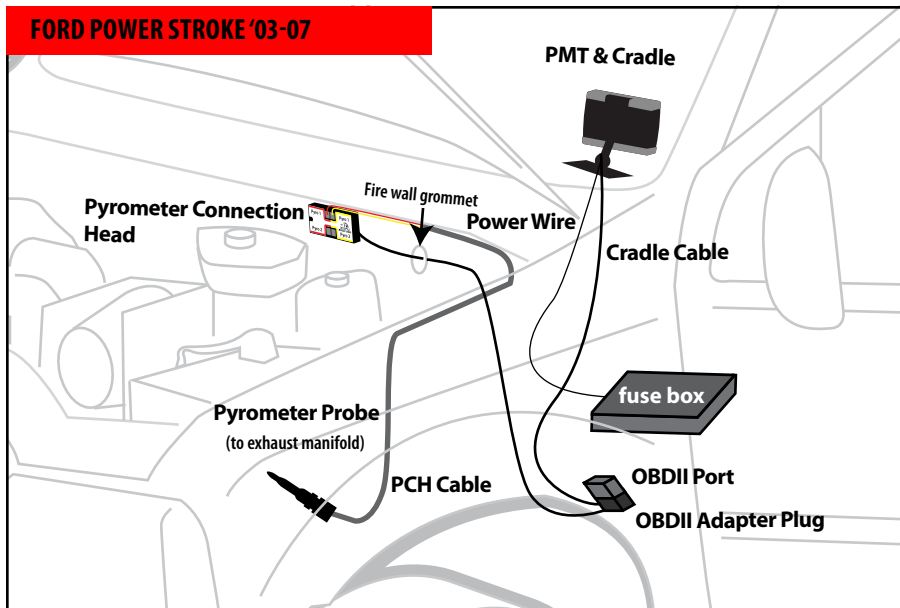
INSTALLATION OVERVIEW

The installation overview illustrates a totally installed and functional PMT system. This overview is meant to help reference the general location of installed parts and pieces of the PMT. Notice that there are three different overview diagrams. Each diagram is vehicle specific; one for Dodge, Ford and GM. The rest of the installation instructions will instruct how to install the PMT in detail.

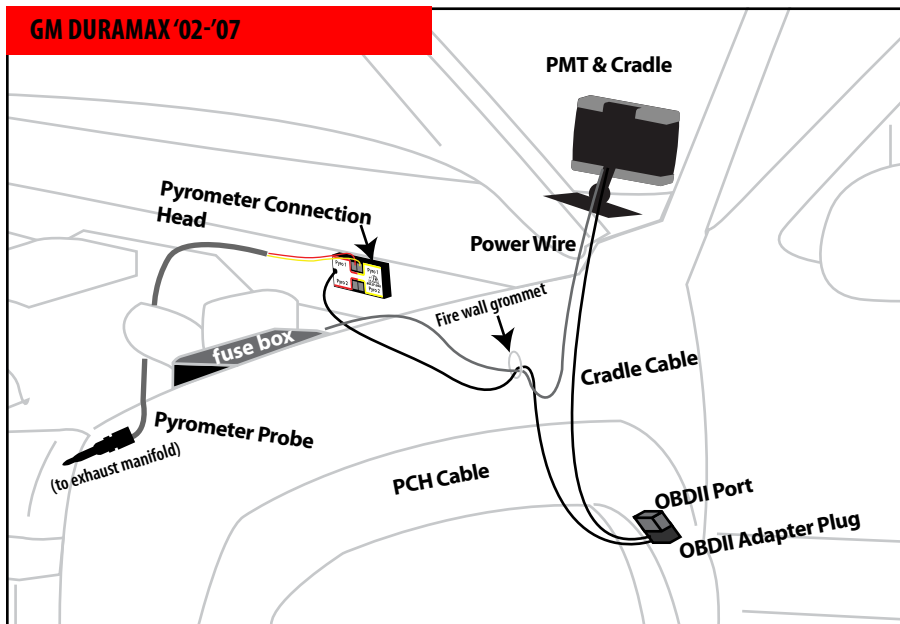
DODGE CUMMINS '03-'07



FORD POWER STROKE '03-'07



GM DURAMAX '02-'07



PMT INSTALLATION INSTRUCTIONS

These installation instructions are split into five sections. Each section provides a comprehensive description of installation for all vehicle applications. The five sections are:

- **SECTION 1:** Mounting the Cradle
- **SECTION 2:** Installing the Pyrometer and the PCH Board
- **SECTION 3:** Installing the OBDII Adapter
- **SECTION 4:** Installing the Power Wire
- **SECTION 5:** Proper docking and removal of the PMT from the Cradle

SECTION 1: MOUNTING THE CRADLE

In this section you will decide where to mount the PMT Cradle, so you are essentially choosing the location for the PMT inside the vehicle cab. First, decide which mounting style you will choose for the PMT; we offer three different styles of mounting:

1. Custom A-Pillar mounting (most recommended)
2. Dash mounting
3. Windshield mounting

The following mounting instructions outline how to mount the PMT, explaining each mounting style individually.

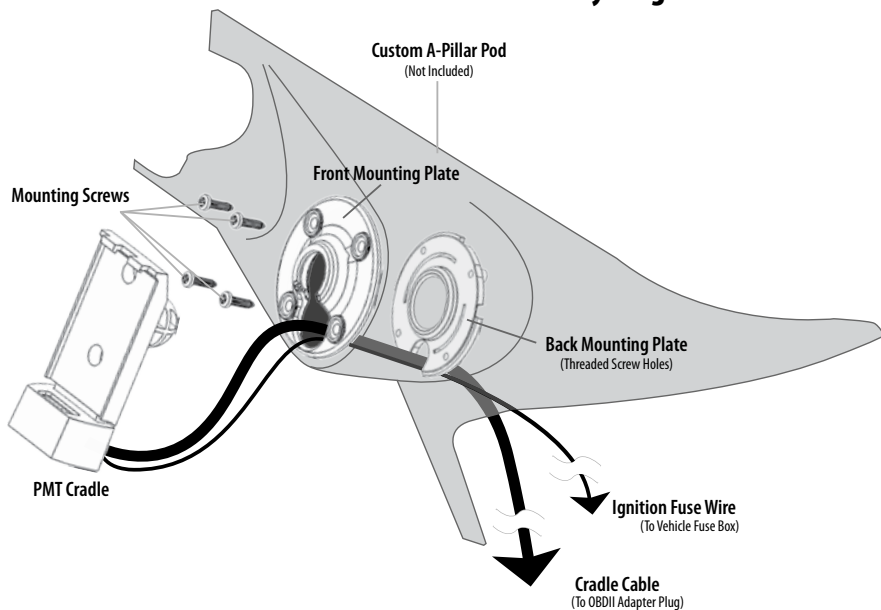
CUSTOM A-PILLAR MOUNTING

We recommend the Custom A-Pillar mounting style, because it makes for the best looking, most convenient and least intrusive mounting style. The Custom A-Pillar mounting style does require that a Custom A-Pillar Pod be purchased from Bully Dog; see part numbers and vehicle applications for a Custom A-Pillar Pod in the appendix. The Custom A-Pillar mounting assembly comes in separate pieces and first needs to be assembled before it is installed.

TO ASSEMBLE:

1. Gather the following parts to begin assembly:
 - PMT Cradle with Cradle Cable and Power Wire
 - Four Mounting Screws
 - Front Mounting Plate
 - Back Mounting Plate
 - Vehicle Specific A-Pillar Pod

Custom A-Pillar Pod Mount Assembly Diagram

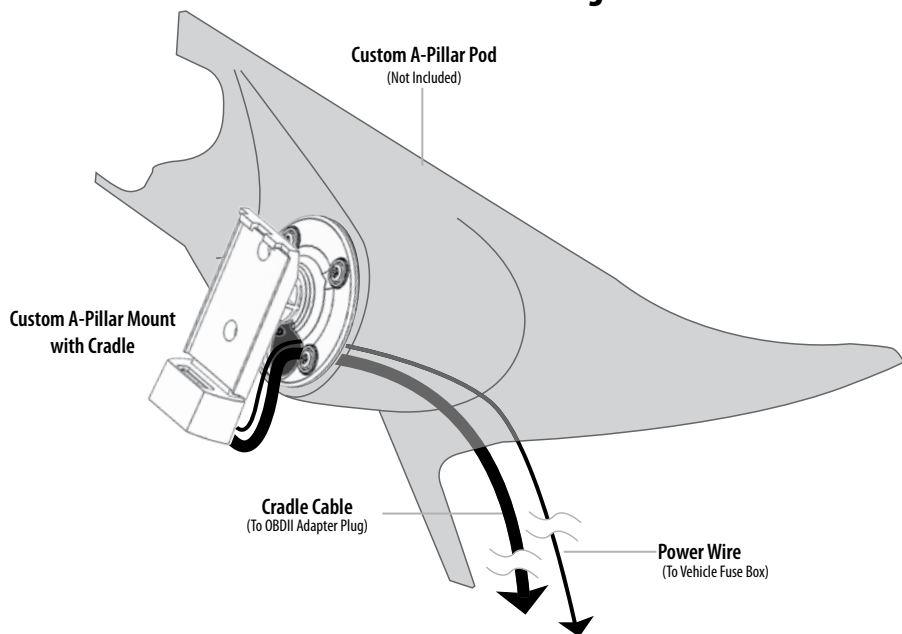


2. With all assembly pieces gathered, refer to the Pillar Pod Mount Assembly Diagram for a visual reference on how the assembly fits together. Steps 3 through 6 explain how to assemble the pieces, the A Pillar Mount Diagram shows what the assembled mounting style looks like.

Note that installation instructions for each vehicle specific Custom A-Pillar Pod are included with the Custom A-Pillar Pod, and are not described here.

3. Insert the ball that is on the back of the cradle into the lower hole on the front of the Front Mounting Plate and then shift the ball into the center of the Front Mounting Plate. Make sure that the extruded part of the Front Mounting Plate is facing the cradle when inserting the ball.
4. Run the Cradle Cable and Power Wire through the lower hole on the front of the Front Mounting Plate and then through the hole on the front side of the Custom A-Pillar Pod. Pull all of the slack in the Cradle Cable and Power Wire through the Front Mounting Plate and the Custom A-Pillar Pod.
5. With the Cradle still attached, put the Front Mounting Plate up to the hole on the Custom A-Pillar Pod, then place the Back Mounting Plate up to the backside of the hole on the Custom A-Pillar Pod. Make sure that the slot on the Back Mounting Plate is pointing downward like in the Custom A-Pillar Pod Mount Assembly Diagram so the Cradle Cable and Power Wire can get through the mount and down to the OBDII Adapter Plug and vehicle fuse box.
6. Use the four mounting screws to secure the connection of all pieces in the assembly. Tighten the screws all the way down. See the Custom A-Pillar Pod mount diagram, finished assembly should look identical.
7. To install the A-Pillar Pod Mount assembly on a vehicle refer to the instructions included with the Custom A-Pillar Pod.
8. Run the end of the Cradle Cable and Power Wire down through the driver's side of the vehicle dash and pull all of the extra slack in the cable down also. The Cradle Cable plug will need to be connected to the OBDII Adapter Plug and the Power Wire will need to be hooked to a fuse in the vehicle fuse box.

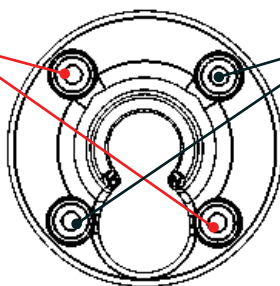
Custom A-Pillar Pod Mount Diagram



TIGHTENING THE CUSTOM A-PILLAR MOUNT SCREWS TIP

The four screws included with the Custom A-Pillar Mount work in pairs to perform two different functions in securing the cradle to the Custom A-Pillar Mount. See the diagram below for details in tightening the screws properly.

These two screw locations tighten the mount to the A-Pillar itself. Only completely tighten these screws down when the mount is in the A-pillar and the A-pillar is installed on the vehicle.



These two screw locations tighten the front and back mounting plates together to create a tight fit over the cradle ball. Use these two screws to adjust the tightness of the swivel effect of the cradle in the mount.

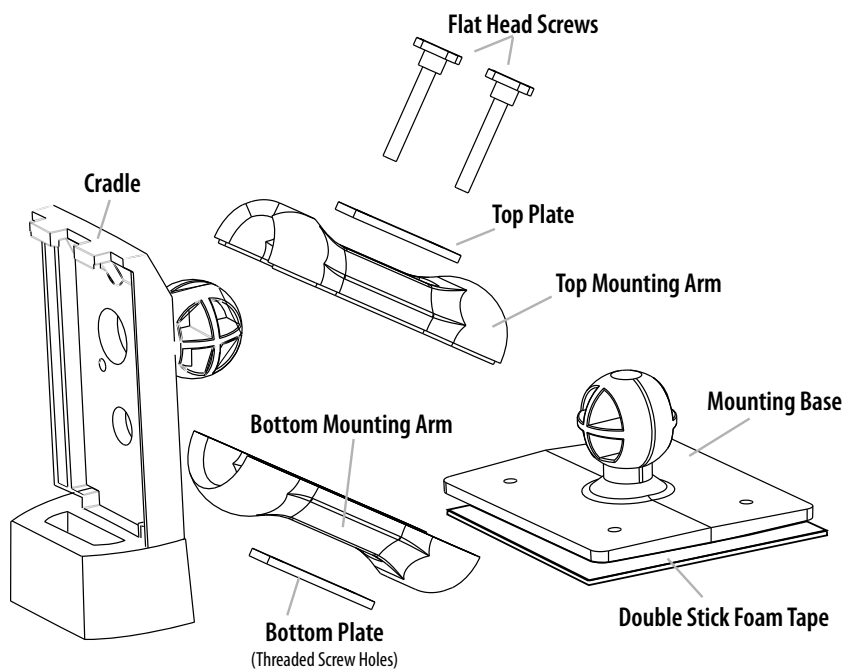
DASH MOUNTING

Dash mounting is a quick and easy way to mount the PMT. The dash mounting pieces do require some assembly. Dash mounting requires all parts in the dash mount assembly diagram (pg. 15).

TO ASSEMBLE:

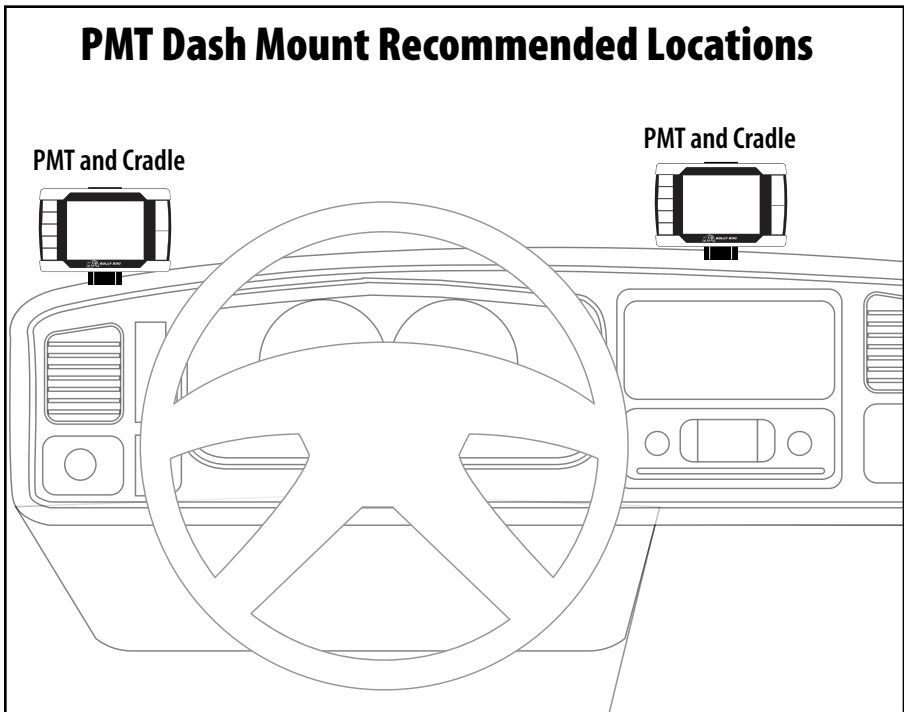
1. Gather the Dash Mounting assembly pieces:
 - Top Mounting Arm
 - Bottom Mounting Arm
 - The Cradle with Cradle Cable
 - Dash Mounting Base with Foam Tape
 - Top Plate
 - Bottom plate (with threads)
 - (2) Flat-Head Screws
2. Insert the metal top plate into the recessed area on top of the top mounting arm and hold it in place while inserting the bottom plate into the bottom mounting arm (note: the bottom plate has threaded screw holes).
3. Bring the arms together with the ends of the arms covering the ball on the cradle back and the ball on the mounting base. When together they will form two ball joints connected by a single arm.
4. Insert the two Flat-Head screws in the two holes in the top plate and then thread them into the bottom plate through both arm pieces. Hand tighten the screws just enough so that the assembly stays in one piece. You will fully tighten the screws once a mounting location on the dash has been located and a desired angle for mounting is chosen.

Dash Mount Assembly Diagram



TO MOUNT THE DASH ASSEMBLY:

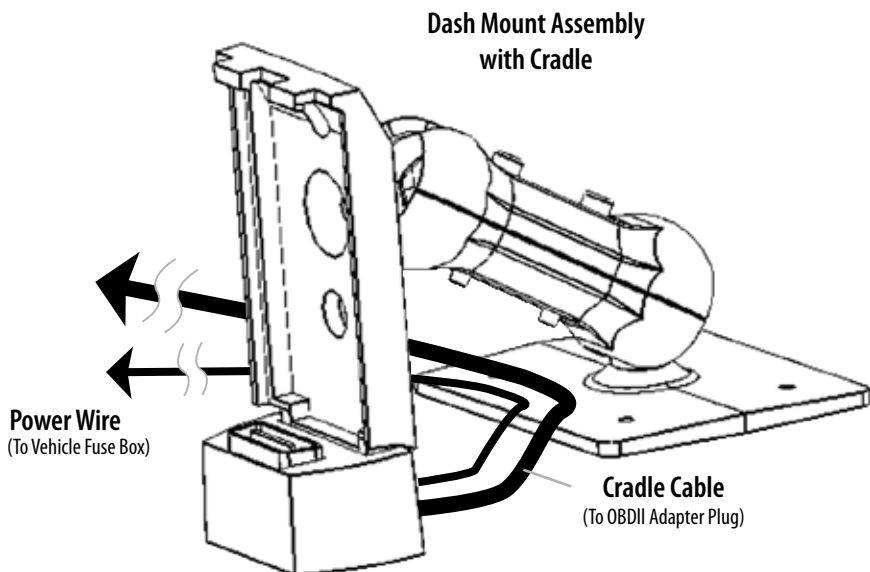
1. Use the PMT to gauge where on the dash of the vehicle you want the PMT to sit. See the dash mounting diagram for a quick example of the two recommended dash mounting locations.



TO MOUNT THE DASH ASSEMBLY: (CONTINUED)

2. Once a mounting location is chosen, determine the position of the PMT and direction the PMT will face by moving the ball and socket joints of the dash mount assembly. Once you find the right position tighten down the two Flat-Head screws to secure that position, the screws must be tightened sufficiently to hold the PMT in position.
3. Make sure that the mounting location on the dash is cleaned, preferably with isopropyl alcohol. Peel the backing off of the double stick foam tape on the bottom of the dash mounting base and stick the dash mount assembly along with the cradle to the dash. Press down firmly to ensure that the adhesive reaches full contact with the dash.
4. Run the end of the Cradle Cable down through the driver's side of the vehicle dash and pull all of the extra slack in the cable down also. The Cradle Cable Plug will need to be connected to the OBDII Adapter Plug and the Power Wire will need to be hooked to a fuse in the vehicle fuse box.

Dash Mount Diagram



WINDSHIELD MOUNTING

Follow the same instructions for the dash mount procedure; apply the same instructions to the windshield of the vehicle rather than the dash.

Introduction

Parts Description

PMT Installation

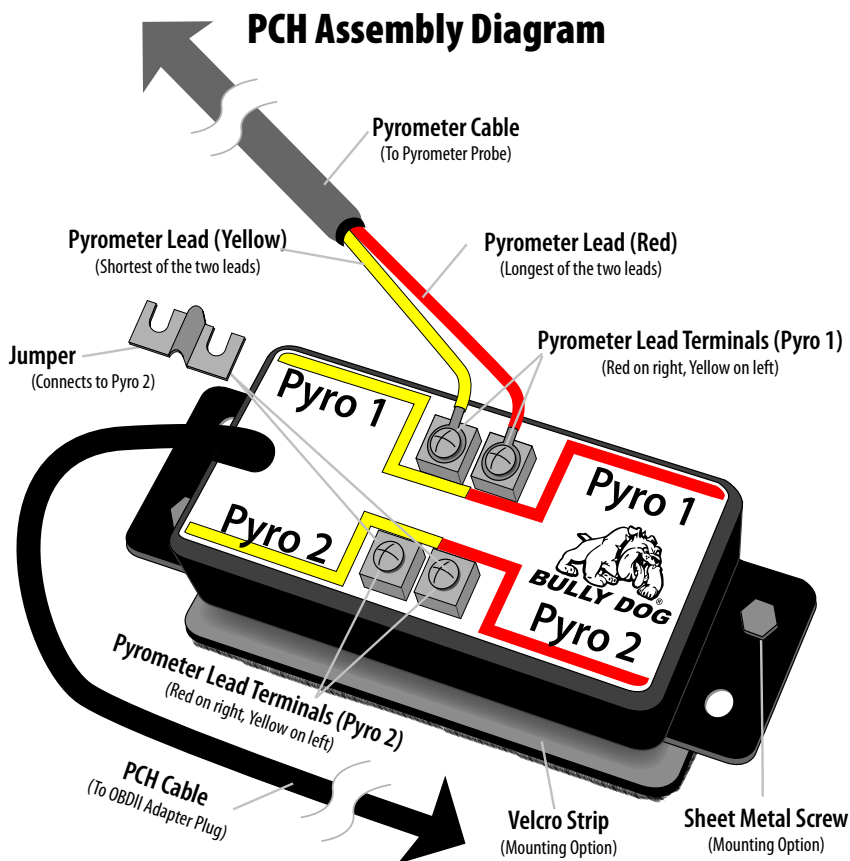
Operating Instructions

Internet Updates

Appendix

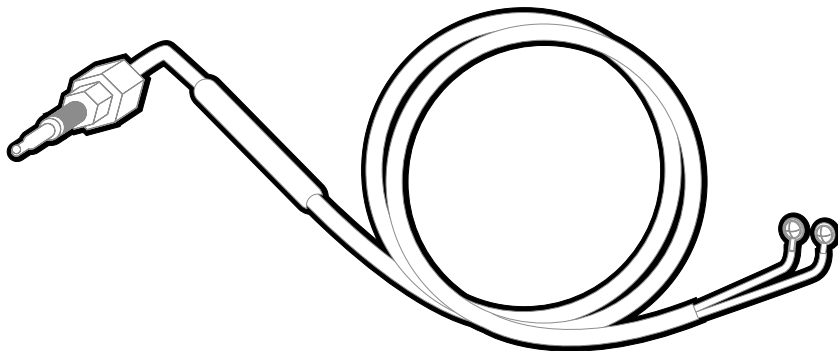
SECTION 2: INSTALLING THE PYROMETER AND THE PYROMETER CONNECTION HEAD (PCH)

The PCH Assembly Diagram provides a quick visual description of all parts and pieces needed to acquire pyrometer temperatures. The parts described in the diagram below will be referred to in this section of the installation instructions.



INSTALLING THE PYROMETER PROBE

In this section you will drill and tap the Pyrometer Probe in the exhaust, either pre-turbo or post-turbo as a means to collect exhaust gas temperatures (EGT). Exhaust gas temperatures indicate how hot the motor is getting and can be used to set safety defueling parameters (see Operating Instructions Set Pyrometer defuel Level on pgs. 51-52).



POST-TURBO VS. PRE-TURBO

You must decide between mounting the Pyro Probe either post-turbo or pre-turbo. The difference in location determines what temperatures will read on your PMT. Pre-turbo mounting is generally recommended because it provides more accurate EGT readings; the PMT is also capable of running both pre and post-turbo pyrometers simultaneously.

It is recommended that you mount both a pre-turbo and a post-turbo Pyrometer Probe if a vehicle is running more than 50 horsepower over stock. On screen, the PMT can display Pyro 1 and Pyro 2 which correspond to the Pyro 1 and 2 locations on the PCH board. It is very important to note if Pyro 1 is displaying pre or post-turbo exhaust gas temperatures, and the same for Pyro 2.

If installing a single Pyrometer Probe it is recommended that you install the probe pre-turbo on the Ford Power Stroke and GM Duramax, and post-turbo on the Dodge Cummins.

Whether you mount post-turbo or pre-turbo, you need to monitor your temperatures; know what is safe and when to back off. Use the Pyrometer Calibration Procedure in the Appendix for these instructions to figure out what your safety limits are.

PRE-TURBO MOUNT:

1. Drill a $\frac{5}{16}$ " hole into the exhaust manifold where all the exhaust runners of the manifold come together, just before the turbo exhaust inlet. Then tap the hole with a $\frac{1}{8}$ " pipe tap and mount the Pyrometer Probe in the hole. Use a $\frac{9}{16}$ " wrench to tighten the probe holder or tube fitting to the down tube. Then tighten the Pyro Probe Cap to the holder using a $\frac{5}{8}$ " wrench.
2. Run the Pyro Cable up to engine bay; let the end of the cable sit while installing the PCH Board.

WARNING: If any debris such as drill bits and metal shavings drop inside the manifold, we advise that the manifold be removed from the vehicle so that the debris can be removed before starting the vehicle again.



GM Pre-turbo Mount



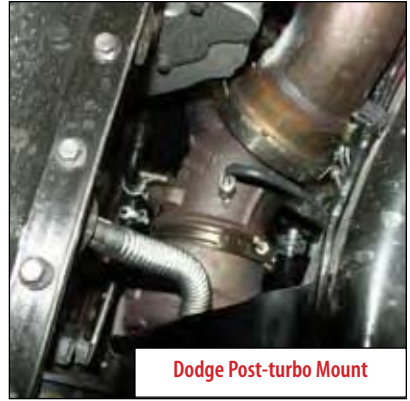
Ford Pre-turbo Mount

TOOL TIP, PRE-TURBO MOUNT

When drilling into the exhaust manifold, metal spews, shavings, and broken drill bits can fall inside. This can be hazardous to your turbo when the engine starts. Try doing four things to avoid this possible problem. One, use a high quality twist bit and a slow speed drill, about 500-800 rpm. Two, start with a small pilot bit about $\frac{1}{8}$ ", then use the full $\frac{5}{16}$ " bit after the smaller one has punched through. Three, grease your drill bit in addition to the normal lubricant, this will catch flying spews as they are cut. Four, just prior to punching through into the inside of the manifold, start the engine and build up exhaust pressure on the inside of the manifold (blows spews outside the manifold instead of letting them fall inside).

POST-TURBO MOUNT

1. Find a location on the exhaust pipe that is 3-6" downstream from the turbo charger output. Then drill a $\frac{5}{16}$ " hole and run a $\frac{1}{8}$ " pipe tap into the hole. Mount the Pyrometer Probe in the threaded hole using a $\frac{9}{16}$ " wrench to tighten the probe holder or tube fitting to the down tube. Then tighten the Pyro Probe Cap to the holder using a $\frac{5}{8}$ " wrench.
2. Run the Pyro Cable along the brim of the engine bay, and then let the end sit when installing the PCH Board.



INSTALLING THE PCH BOARD

The pyrometer that was installed will now have to be connected to the PCH Board, but first the PCH Board needs to be mounted in a secure location that both of the pyrometer ends can reach.

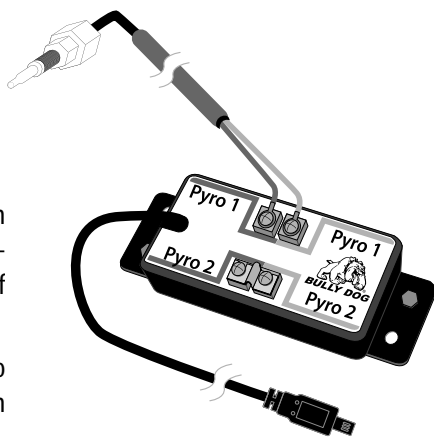
1. Gather all of the parts of the PCH Board assembly:

- Pyrometer Connection Head with PCH Cable
- Self-tapping Sheet Metal Screws
- Velcro
- Jumper
- Zip Ties

2. The PCH Board needs to be mounted in a location that is secure (away from extreme heat and moving parts), and in a location in which the end of the Pyrometer Cable can easily reach.

3. Use the sheet metal screws or Velcro, or both to securely attach the PCH Board to a safe location within the engine bay.

4. To connect the end of the Pyrometer Cable to the PCH Board, first remove the screw and nut on the end of the pyrometer leads, then remove the screws from the Pyro 1 heads on the PCH Board. Use those screws to secure the Pyrometer Cable leads to the PCH Pyro 1 heads, see the PCH Assembly Diagram (pg. 19) for a visual reference when connecting the pyrometer leads to the PCH Board.



Notice: Do not remove the jumper from the Pyrometer 2 location unless you are installing a second pyrometer.

If connecting two pyrometers keep track of which location, Pyro 1 or 2, each pyrometer was attached to on the PCH Board

5. Once the PCH Board is secure and the pyrometer(s) is/are connected to the PCH Board, use zip ties to secure the pyrometer cables away from extreme heat and moving parts.

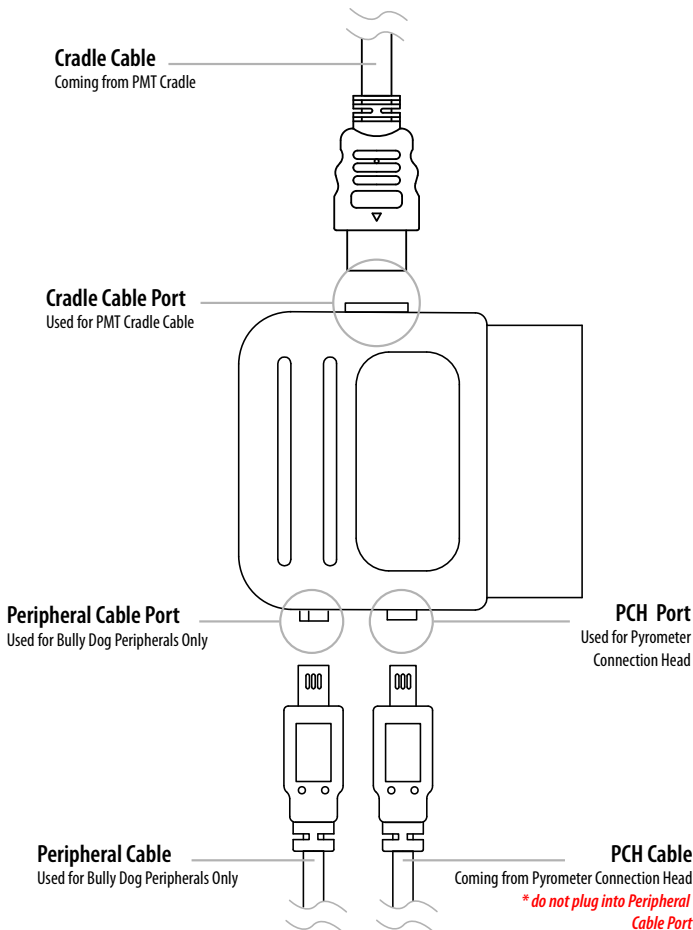
6. Run the end of the PCH Cable through the fire wall. It will need to be connected to the OBDII Adapter Plug. Use zip ties to secure all remaining cable left inside the engine bay.

SECTION 3: INSTALLING THE OBDII ADAPTER PLUG

In this step you will connect the Cradle Cable and the PCH Cable to the OBDII Adapter Plug and then plug the OBDII Adapter plug into the to the Vehicle OBDII port.

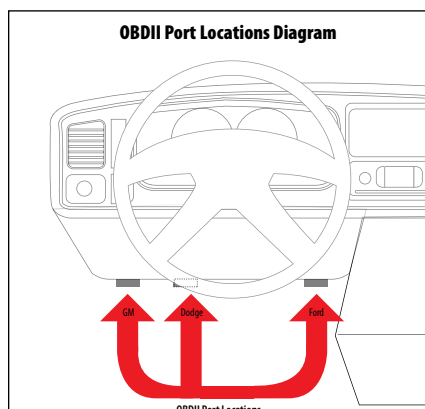
1. Locate the OBDII Adapter Plug.
2. Plug the Cradle Cable and the PCH Cable into the OBDII Adapter Plug. See the OBDII Adapter Plug Diagram for a visual description.

OBDII Adapter Plug Diagram

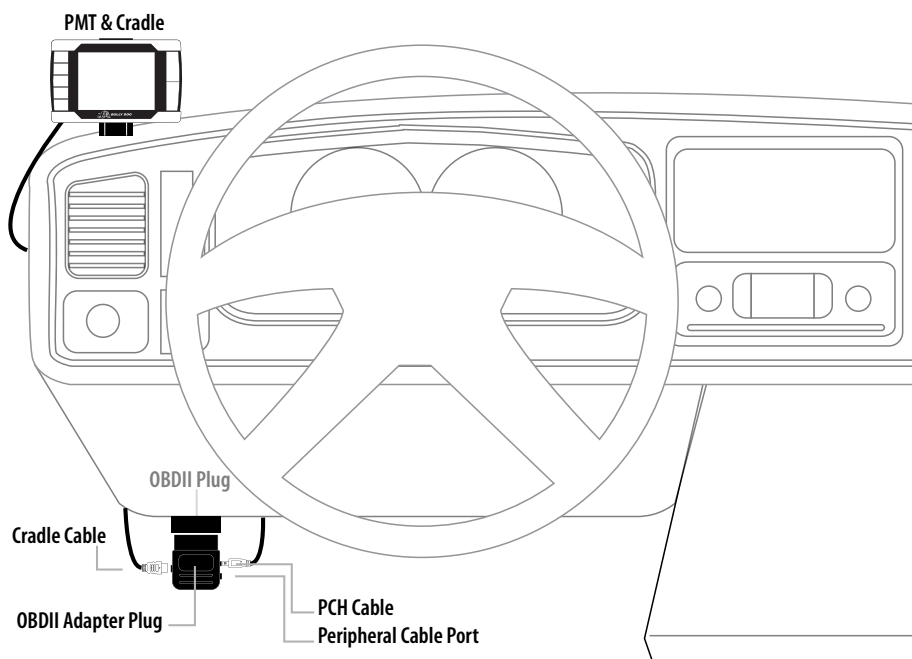


SECTION 3: INSTALLING THE OBDII ADAPTER PLUG

3. Locate the OBDII port on the vehicle; OBDII ports are located under the dash on the driver's side. These ports are located in different areas under the dash for different vehicle applications; see the OBDII port locations diagram.
4. Plug the OBDII Adapter Plug into the OBDII port; see the Installed OBDII Adapter Plug diagram for an example of the finished install.



OBDII Adapter Plug Installation Diagram

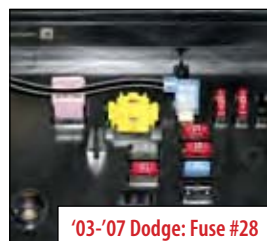


SECTION 4: INSTALLING THE POWER WIRE

In this section you will run the Power Wire coming from the PMT Cradle to the vehicle fuse box and connect it to the fuse locations specified below. The fuse location for the Power Wire is different on each vehicle application.

CONNECTING THE POWER WIRE:

1. Locate the fuse box: Ford fuse boxes are located under the dash inside the cab of the vehicle; Dodge and GM fuse boxes are located on the driver's side of the vehicle inside the engine bay. Please see your owner's manual for more details on fuse box locations. Once inside the fuse box, locate the appropriate fuse depicted in the vehicle-specific pictures below.

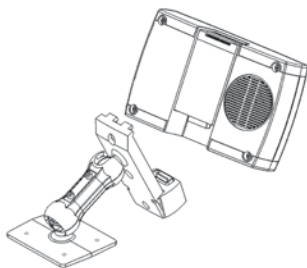


2. Remove the fuse, indicated in the pictures, and insert the fuse jack. Make sure that the fuse jack is placed on the dead side of the fuse to ensure that the PMT is protected by the fuse. Use a volt meter to verify the dead side of the fuse. With the fuse pulled and the truck powered on but not started, the volt meter should read 0 volts on the fuse jack to ground. Problems that can occur if the incorrect fuse is used for this connection: the power may stay on continuously even with the key off; or, the PMT can receive power at the incorrect time of the power-on/starting cycle of the vehicle.
3. If installing on a Dodge or a GM, run the power wire through the fire wall before preparing the Power Wire. Prepare the Power Wire by stripping the end of the wire about 1/4". Connect the blue 90° connector to the end of the Power Wire using crimping pliers.
4. Connect the Power Wire to the fuse jack, place the fuse back into the slot, and close the fuse box.

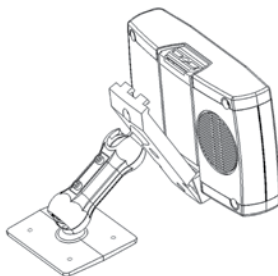
SECTION 5: HOW TO DOCK THE PMT (make sure that the vehicle key is off)

The PMT and cradle can be damaged if the PMT is not carefully placed onto the cradle. See the diagrams below for proper installation. Note that the diagrams show the PMT being docked on to the dash/windshield mounting styles, but the PMT docking instructions are the same for the A-Pillar mount as well.

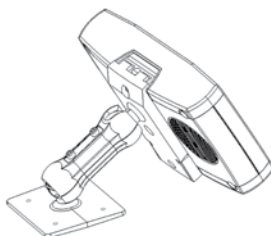
1. Make sure that the docking port on the bottom part of the cradle is flipped forward as far as it will go.



2. Dock the PMT onto the cradle.



3. Once docked, rotate the PMT back and snap it into the cradle.



Note: Check the cradle swivel to make sure that it is connecting up to the PMT correctly. The bottom of the swivel should be flush with the bottom of the PMT.

Removing the PMT:

1. When removing the PMT, simply press down on the top part of the PMT that snaps into the top of the cradle.
2. Rotate the PMT forward on the docking port.
3. Pull the PMT up and out of the cradle.

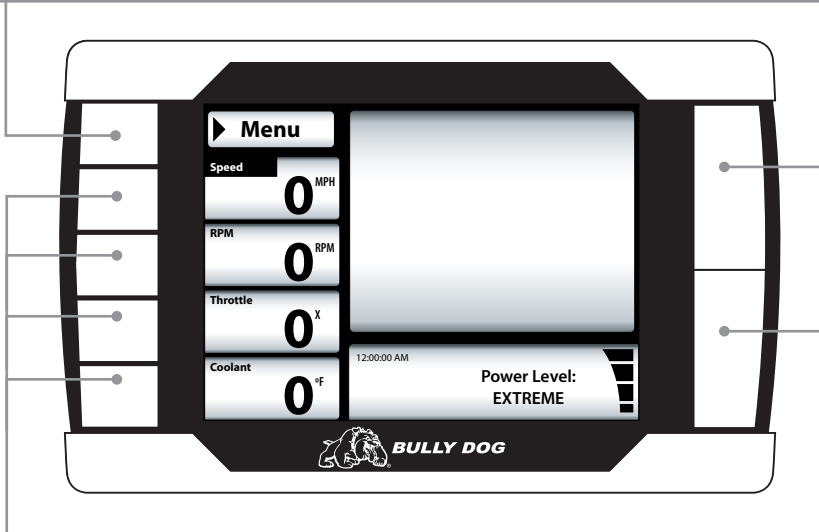
PMT OPERATING INSTRUCTIONS

These operating instructions are split into four sections:

- **SECTION 1:** Button Navigation
- **SECTION 2:** Set up Wizard
- **SECTION 3:** Exploring the General Display
- **SECTION 4:** Main Menu and Sub Menus

SECTION 1: BUTTON NAVIGATION

Press the top left button to enter the Main Menu, also use this button to exit menus.



Press any of the four buttons on the left to select items on the screen that coincide with the button position.

In general these buttons work as up and down buttons, they may also be used to select items on the screen which coincide with the buttons.

SECTION 2: SETUP WIZARD

The Setup Wizard will take you step by step through the vehicle selection process and download process. To start the setup wizard follow these three steps:

1. Properly dock the PMT onto the cradle as explained in Section 5 of the installation instructions.
2. Insert the key into the vehicle ignition and turn it to the run position. Do not turn the engine on at this point.
3. The PMT screen will now light up and the Setup Wizard will appear on the screen.

NOTICE: If this PMT has been previously installed on another vehicle the PMT will not go through the setup wizard, it will go straight to the Main Screen. To download under this situation you will need to navigate through the Main Menu to the Change Vehicle menu, select the correct vehicle, and then go into the Install Download screen to initiate a download.



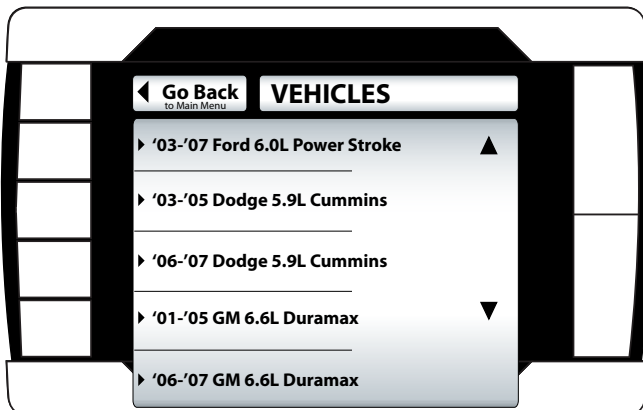
It is important that the information displayed throughout the setup wizard is read carefully before proceeding to the download process.

SETUP WIZARD STEP 1

VEHICLE SELECTION: What type of vehicle are you installing the Performance Management Tool on? You will need to know the make, model, year, engine type and engine displacement. Important, if you are not sure about the vehicle type, seek help from a certified Bully Dog products dealer or our in house technical support staff to identify the correct vehicle. The PMT will not be able to perform a download and will not monitor correctly if the correct vehicle type is not specified.



This diagram shows the vehicle selection screen, you should be able to identify your vehicle type in this menu.



SETUP WIZARD STEP 2

THE DOWNLOAD: You will need to decide whether to download now or later. When installing a download we recommend that you have access to technical assistance. Downloading the program later is not an issue, it is very easy to load and unload the download tunes from the vehicle at your convenience.



Opt in: To complete the download in the setup wizard process simply press the up arrow button to select "Yes." Then simply follow the on screen instructions to complete a download.



Opt out: If you choose to not download at this time you will still have monitoring capabilities even though no download has been entered into the vehicle. To download at a later time see the Install Download instructions when ready.

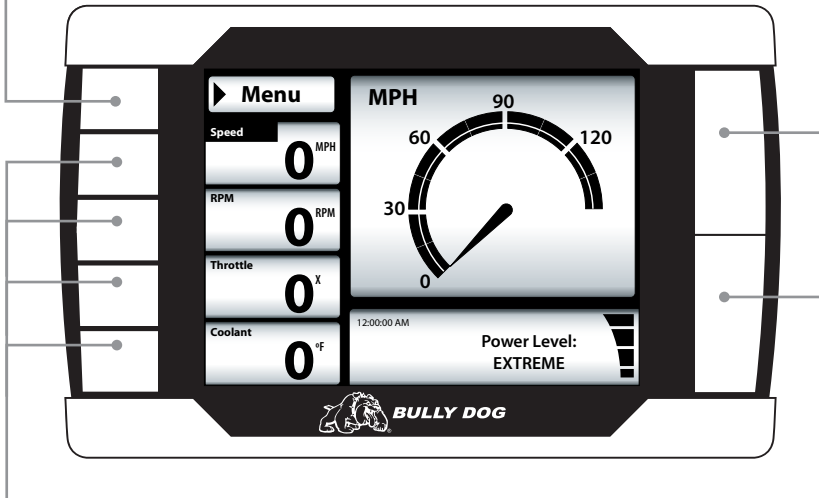
SECTION 3: EXPLORING THE MAIN SCREEN

The Main Screen is where you view all of the vehicle activity. In this section you will learn how to navigate the Main Screen and learn about all of the different parts of the Main Screen.

MAIN SCREEN NAVIGATION

Below are descriptions of how all of the PMT buttons work and what they do while in the Main Screen. The buttons perform different functions while in a menu or submenu.

Press the top left button to enter the Main Menu, also use this button to exit menus.



Press any of the four buttons on the left that coincide with the four vehicle parameters to display that particular vehicle parameter on the large gauge in the upper right side of the screen. Hold a button down to view the different graph types for the large gauge. See the different graph types on page 34.

Power Level Up

Power Level Down

Use the power level buttons to control power levels on-the-fly only while in the main screen

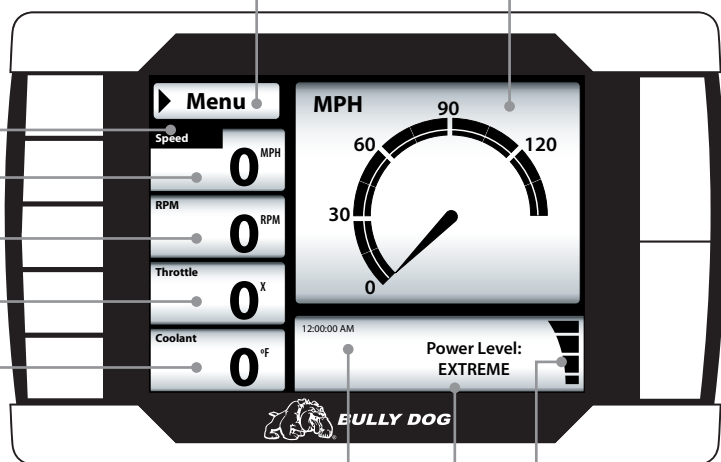
MAIN SCREEN PARTS DESCRIPTION

This section will describe all of the different parts of the Main Screen.

The black bar: The black bar highlights the title of one of the four displayed vehicle parameters to indicate that vehicle parameter is also being displayed on the large gauge.

Menu button: press to enter the main menu.

Large Gauge



Vehicle parameters: To change which vehicle parameter is displayed in the large gauge area simply press one of the four buttons next the preferred vehicle parameter.

Time Clock

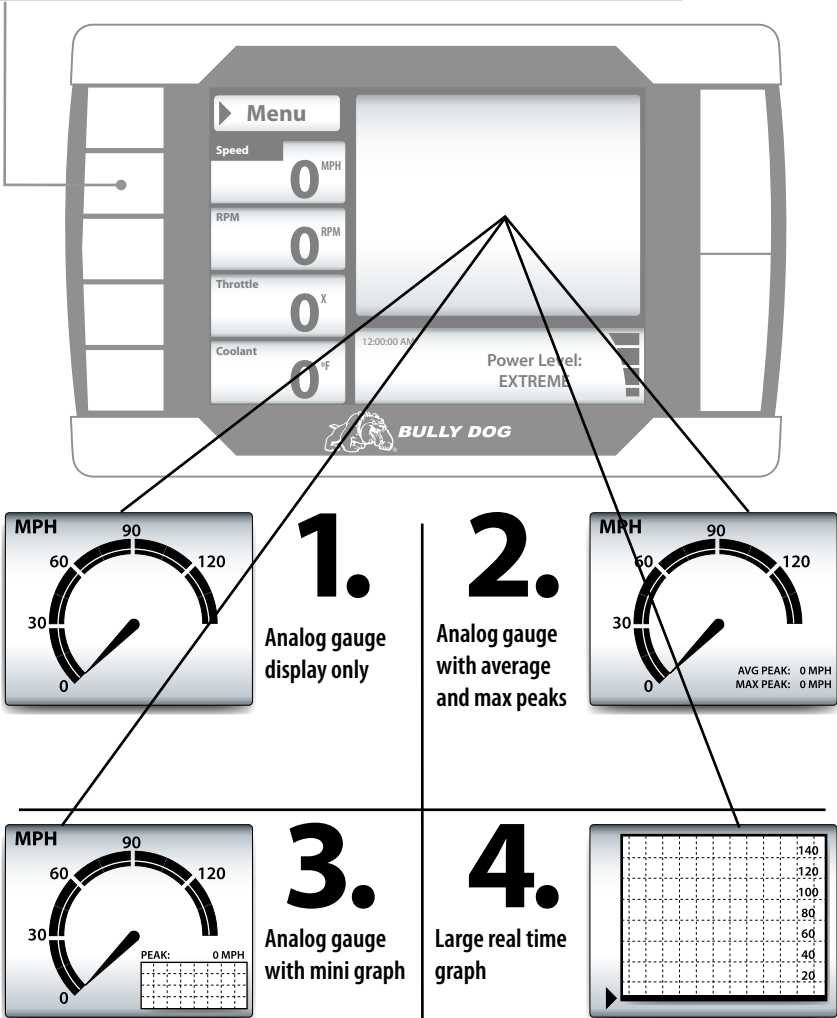
Power bar: indicates power

Power level text: Displays which power level is active, whether it be: Stock, Tow, Performance, Extreme, or Crazy Larry.

LARGE GAUGE DISPLAY TYPES

The large gauge area can be displayed in four different views.

Hold the button down next to the vehicle parameter currently displayed in the large gauge area to switch between the different large gauge display types.



SECTION 4: EXPLORING THE MENU SYSTEM

EXPLORING THE MAIN MENU

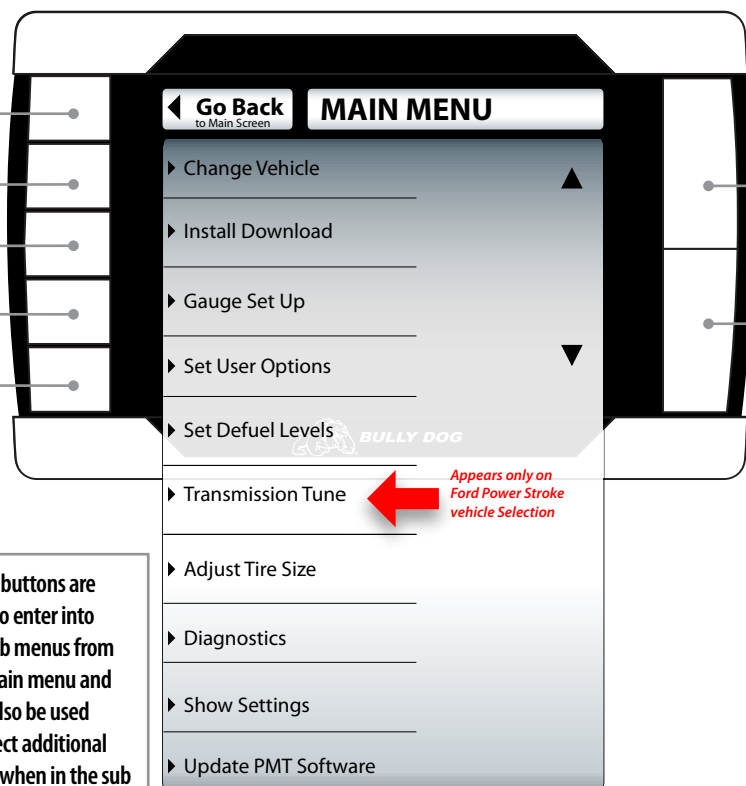
Section 4 will explore the entire menu system including: each main menu item and all of the sub menus to those main menu items.

MAIN MENU DESCRIPTION/NAVIGATION

The diagram below shows all of the Main Menu items and explains the Main Menu navigation.

This button is used to enter into the Main Menu from the main screen. While in any of the menus this button works as a back button.

Navigation through the main menu: Use the large Up & Down Buttons to page up and page down through all the Main Menu options.

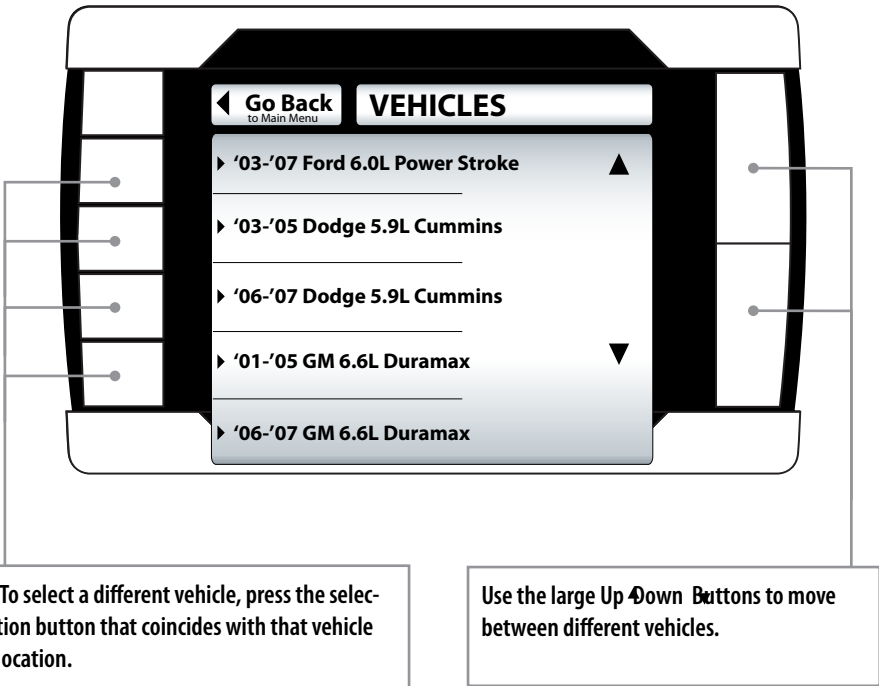


These buttons are used to enter into the sub menus from the main menu and may also be used to select additional items when in the sub menus.

CHANGE VEHICLE:

The Vehicles Menu is only used for two reasons:

1. The PMT is being transferred to a new vehicle, in which case it is very important that you make sure that the last vehicle was completely returned to stock before the transfer. The PMT will not work on the new vehicle unless the last vehicle was returned to stock.
2. If the wrong vehicle is selected when performing an install on a new vehicle during the Setup Wizard, you will have to use the Vehicles Menu to select the correct vehicle.



When you select a new vehicle type in the Change Vehicle Menu and intend to install a download into the vehicle you will need to do so through the Install Download Submenu from the Main Menu.

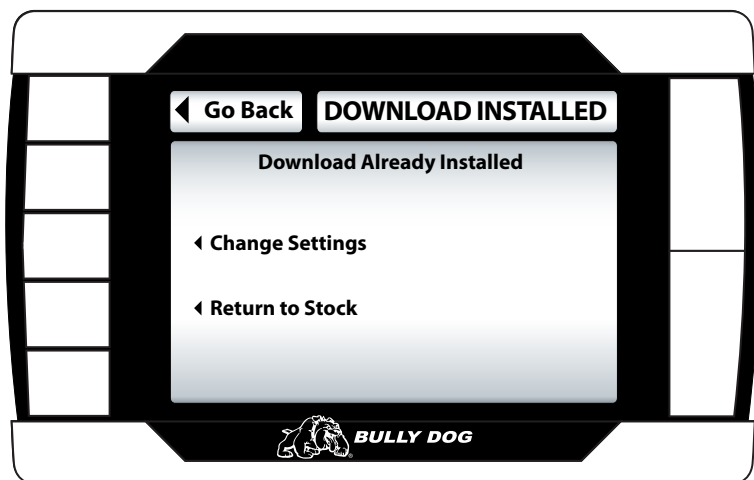
THE SD CARD MUST BE INSERTED IN THE SIDE OF THE PMT TO CHANGE VEHICLES.

INSTALL DOWNLOAD:

The install download option comes in use for three different reasons:

- 1. Install a download onto a stock vehicle:** If the vehicle is stock and you enter the install download menu, simply follow the screen prompts to install a download on the vehicle.
- 2. Change Download Settings:** If the vehicle already has a download on it from the PMT that is currently installed on that vehicle. You can perform another download to change the vehicle specific options contained in a download.
- 3. Return a vehicle to stock:** To completely return a vehicle to its factory stock conditions you need to select this option. This is highly recommended when taking the vehicle in for any kind of service.

This PMT screen shot shows what you will see if a download has already been entered into a vehicle.



Note before installing a download:

- Make sure that the PMT is properly docked in the cradle.
- Make sure that the harnesses have been properly installed.
- Make sure that the vehicle battery is fully charged.

THE SD CARD MUST BE INSERTED IN THE SIDE OF THE PMT TO DOWNLOAD TO A VEHICLE.

DOWNLOADING VEHICLE SPECIFIC FEATURES:

Each vehicle make has vehicle specific features that prompt you to opt into or opt out of during the download process. Those vehicle specific features are described for Ford, GM and Dodge in this section.

'03-'07 FORD 6.0L SPECIFIC FEATURE

SPEED LIMITER (FORD 6.0L)

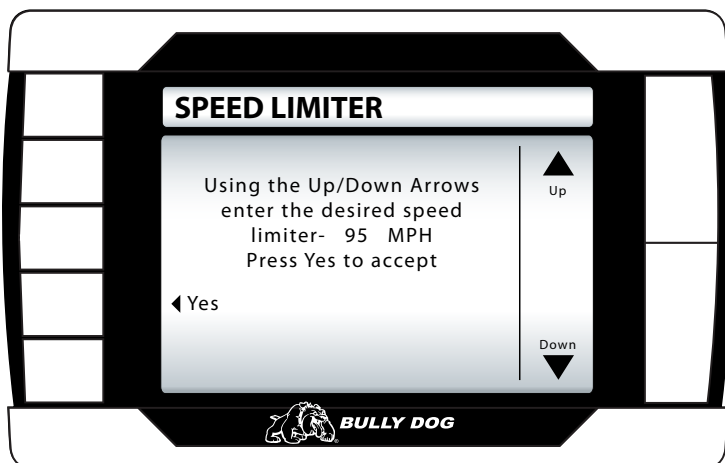
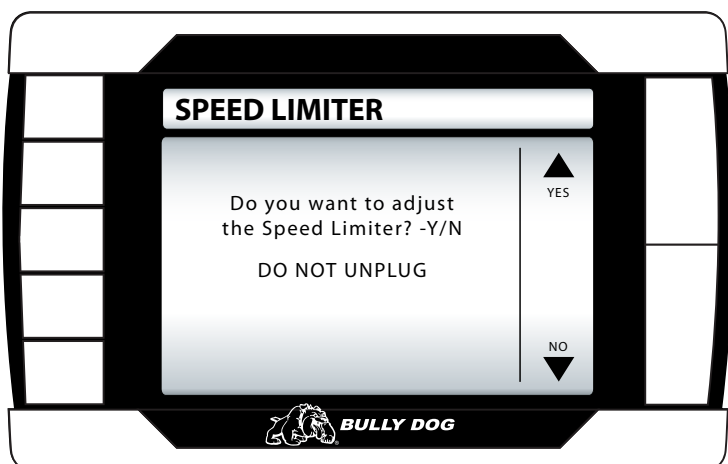
The PMT gives racing enthusiasts the option to remove the OEM speed limiter. This allows the vehicle to reach speeds in excess of where the OEM speed limiter was set. By selecting yes to remove the speed limiter you agree that your vehicle has tires rated for speeds in excess of 140 mph.



'02-'07 GM 6.6L SPECIFIC FEATURES (not applicable for 2001 model years)

SPEED LIMITER (GM 6.6L)

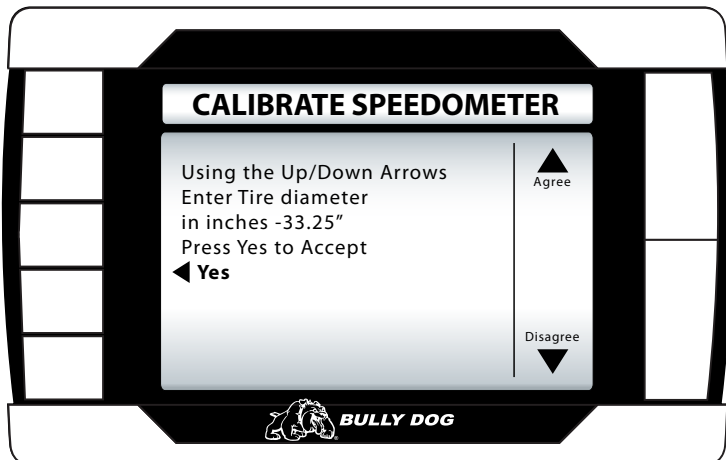
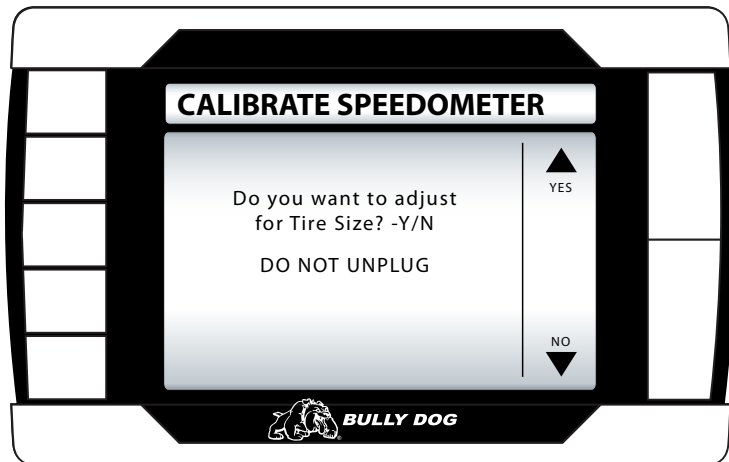
The PMT gives racing enthusiasts the option to adjust the OEM speed limiter. This allows the vehicle to reach speeds in excess of where the OEM speed limiter was set. By selecting yes to remove the speed limiter you agree that your vehicle has tires rated for speeds in excess of 140 mph. Use the up and down arrows to set the speed limiter to the desired mph in 5 mph increments from 50 mph to 135 mph.



CALIBRATING THE OEM SPEEDOMETER (GM 6.6L)

Program in the vehicle's exact tire size to adjust the OEM speedometer so that it will correctly display vehicle speeds. The downloader can adjust for tires ranging from 25" to 45".

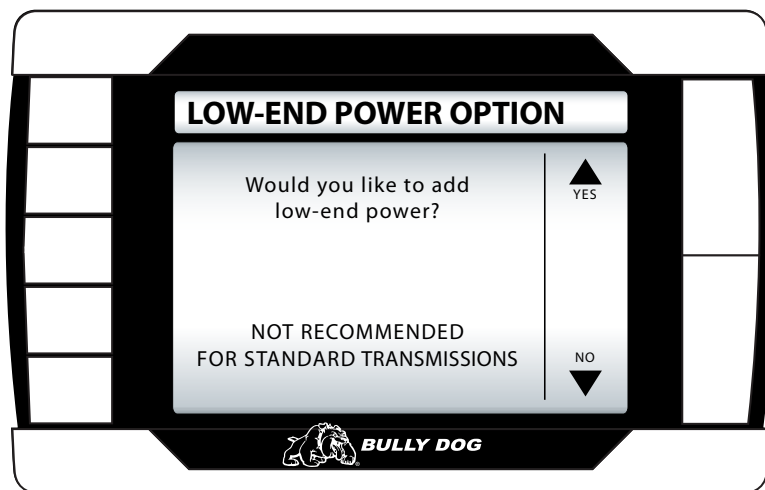
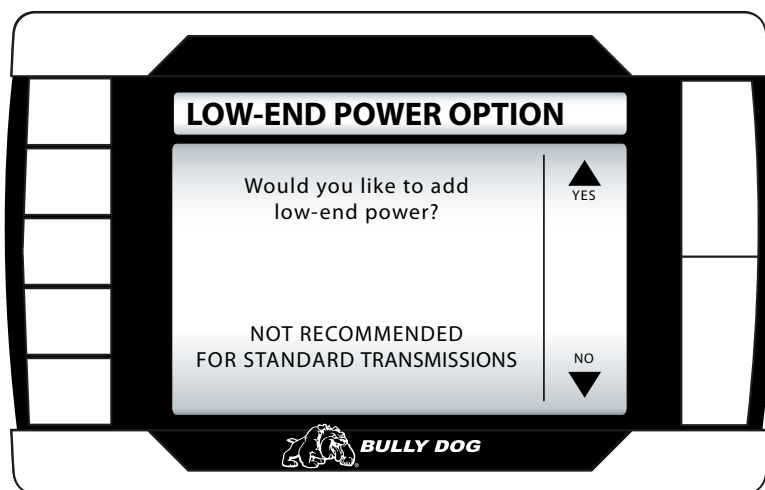
Note that adjusting the tire size over 35" may result in an ABS light turning on in the vehicle dash.



'03-'07 DODGE 5.9L SPECIFIC FEATURES (Recommended for automatic transmissions only)

LOW END POWER (Dodge 5.9L)

For improved throttle response on the bottom end of the rpm range.

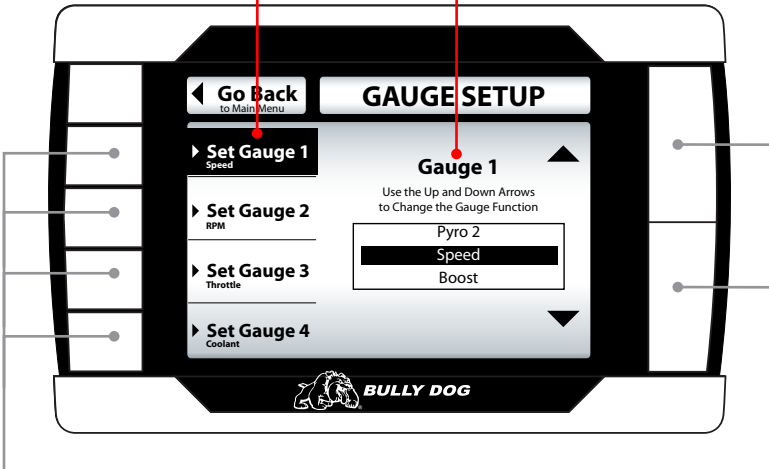


GAUGE SETUP

Enter to change the vehicle parameters displayed on the four gauge locations in the Main Screen. This is also where you can see all of the most up-to-date vehicle parameters available to your vehicle make and model after running an internet upgrade.

Selecting a vehicle parameter to display in a particular location is done by highlighting the gauge location and then highlighting the desired vehicle parameter.

Notice that upon entering the gauge setup menu that, Set Gauge 1, is highlighted in black. When a gauge location is selected it is highlighted in black on the left and it also appears above the vehicle parameter selection box.



To highlight a different gauge location press the selection button that coincides with that gauge location. So to select gauge location 1, press the second button down on the left hand side of the PMT. To select the 4th gauge location press the bottom button or the 5th button down on the left side.

Use the large Up ▲ Down ▼ Buttons to highlight a particular vehicle parameter for any of the gauge locations.

Once the correct vehicle parameter for a gauge location has been highlighted, you do not need to press another button to select that vehicle parameter. Simply highlighting the vehicle parameter makes it active in that location.

VEHICLE PARAMETERS

This diagram shows vehicle parameters which can be displayed on the PMT. Due to vehicle specific availability the diagram also indicates which vehicle parameters are available to each vehicle application.

FEATURES	FORD '03-'07	GM '06-'07	GM '01-'05	DODGE '06-'07	DODGE '03-'05
Pyro 1	X	X	X	X	X
Pyro 2	X	X	X	X	X
Boost Pressure	X	X	X	X	X
Speed	X	X	X	X	X
RPM	X	X	X	X	X
Coolant	X	X	X	X	X
IPW (injection pulse width)	X				
Throttle Position	X	X	X	X	X
Intake Temperature	X		X		X
Barometer					X
Battery Voltage	X		X		
Oil Temperature	X				
ICP (injection control pressure)	X	X	X	X	X
Transmission Temperature	X	X		X	

PMT VEHICLE PARAMETER DESCRIPTIONS

The following is a general list of vehicle parameters the PMT can display.

PYRO 1:

Reads the signal received from the Pyro 1 connection on the Outlook Main harness. This measurement is used to defuel the engine based on the Pyrometer Probe Calibration Procedure listed previously in the manual. This measurement is permanently displayed in the bottom left quadrant of the Outlook Screen.

PYRO 2:

Reads the signal received from the Pyro 2 connection on the Outlook Main harness. Use this feature to display EGT measurements from Pyro 2 on the screen.

SPEED:

Vehicle rate of travel in miles per hour. This feature does not change the OEM speedometer.

BOOST PRESSURE:

A measure of air pressure generated by the turbo that is being forced into the engine cylinder. Knowing the pressure will indicate how much stress is being put on the turbo and the engine itself. On a stock pickup at high acceleration, a turbo will generate 18 to 40 lbs. of boost depending upon year and make of vehicle.

ENGINE RPM:

Number of crank revolutions per minute.

COOLANT TEMPERATURE:

Temperature of the vehicle coolant.

INJECTION PULSE WIDTH:

Amount of microseconds that the injectors are engaged to deliver fuel to the engine.

THROTTLE POSITION:

Display real-time percentage between idle and full throttle.

INTAKE TEMPERATURE:

Air temperature after it has passed through the air filter and before it has entered the engine turbo.

BAROMETER:

Outside atmospheric pressure.

BATTERY VOLTAGE:

Current measurement of battery volts.

OIL TEMPERATURE:

Temperature of the vehicle's motor oil.

INJECTION CONTROL PRESSURE:

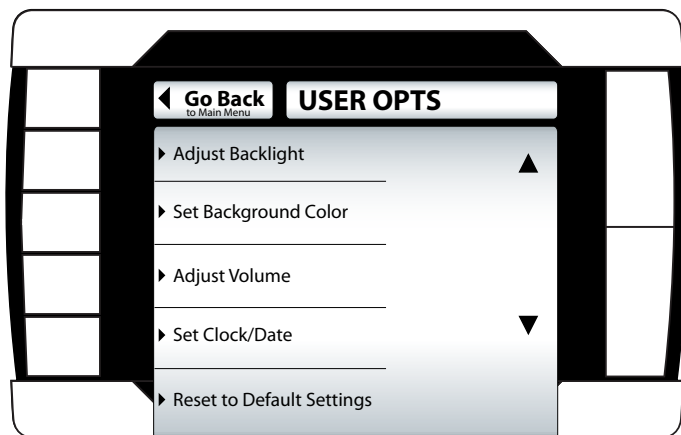
Amount of pressure used to deliver fuel to the engine through the injectors.

TRANSMISSION TEMPERATURE:

Temperature of the vehicle's transmission fluid.

USER OPTIONS

In this sub menu you get to personalize your PMT. The descriptions for all the user options are below. A more detailed description of each is on the following pages.

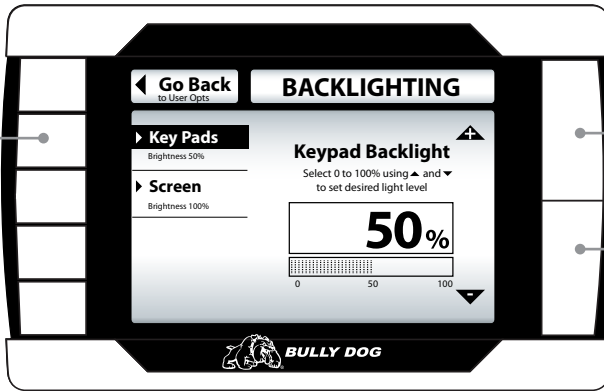


- **ADJUST BACKLIGHT:** Change screen backlighting and button backlighting.
- **SET BACKGROUND COLOR:** Choose between sixteen different colors for the menu.
- **ADJUST VOLUME:** Set button feedback volume.
- **SET CLOCK/DATE:** Change time and date that is displayed in the general view.
- **RESET TO DEFAULT SETTING:** Revert back to Bully Dog factory settings.

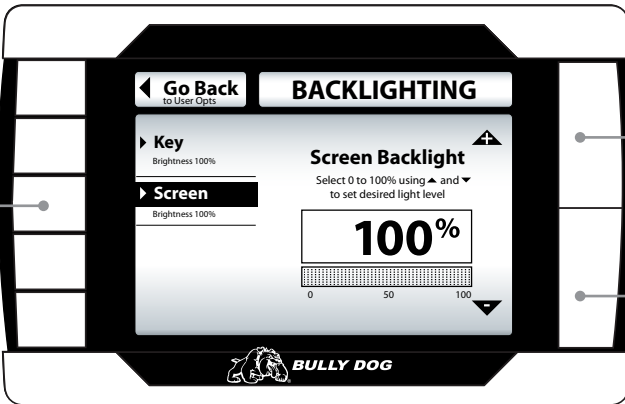
ADJUST BACKLIGHT

Highlight either keypad or screen and use the up and down buttons to adjust the lighting to your preference.

Use this button to select the Key Pads option.



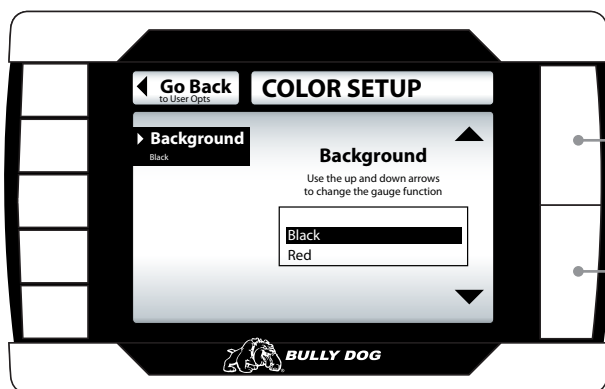
Use these buttons to adjust the backlight brightness level.



Use this button select the 'Screen' option.

ADJUST BACKGROUND COLOR

Use the up and down buttons to select a background color. The PMT background will pre-view each color background as you scroll up and down through the color options. When the preferred color is highlighted, exit the color menu to select the color.



Use the large Up Down Buttons to scroll up and down through the color options.

Available Color Backgrounds



Red



Orange



Yellow



Yellow Green



Green



Light Blue



Blue



Indigo



Violet



Gold



Clay



Brown



Olive



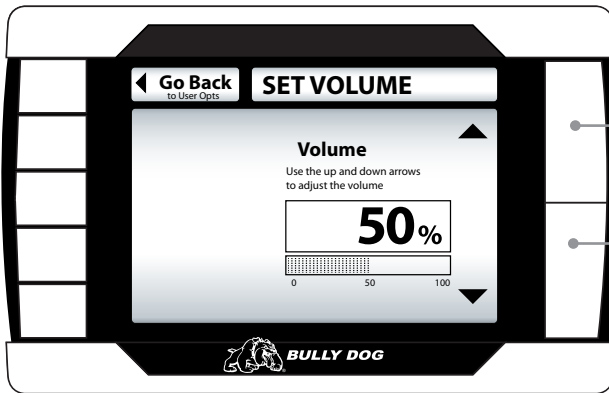
Sky



Black

ADJUST VOLUME SETTING

To adjust the sound volume for button feedback and voice calls, simply scroll up and down to adjust the volume from zero to one hundred.



Use the large Up Down Buttons to scroll up and down through the color options.

ADJUST TIME AND DATE SETTING

When the correct time is specified use the go right button to highlight SET, and then press the up button to set either the time or date.

Top Diagram: Time Selection

Use these buttons to select either time or date in order to change that information.

Use these buttons to move the selected values up and down.

Bottom Diagram: Date Selection

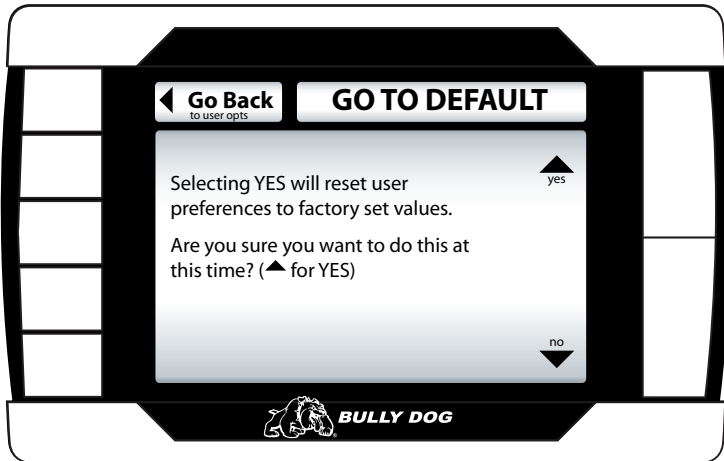
Press Go Right to move the selection box to the right.

Press Go Left to move the selection box to the left.

To set Time & Date highlight SET and press the 'up' button.

RESET TO DEFAULT SETTING

To reset the PMT to Bully Dog factory settings press the up button to select yes, to keep current settings back out of this menu by pressing the go back button or by pressing the down button to select no.



DEFUELING PARAMETERS

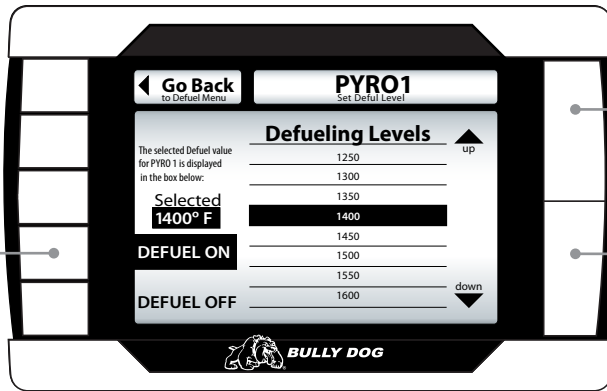
Set up defueling parameters based on a number of different vehicle parameters. In this menu you can also turn vehicle parameters off. The defueling parameters available are vehicle specific, so not all defueling parameters are available for every make and model.

Below is a list of all of the defueling capabilities for the PMT. All defueling options can be activated at the same time, all can be turned off, or a mix of on and off. Each defueling option is adjusted individually to be on or off and set to a particular defueling temperature.

Default Defueling Settings	
Pyro 1 Temperature Level	1250° F
Pyro 2 Temperature Level	OFF
Engine Coolant Temp Level	220° F
Boost Level	OFF
Transmission Temp Level	OFF
Oil Temperature	OFF

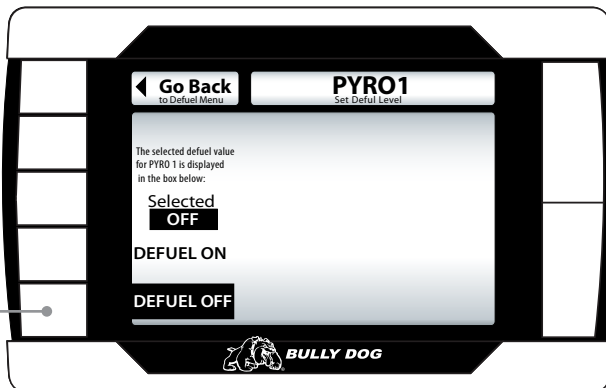
SET DEFUEL LEVELS:

When entering a setup menu for any of the defuel options the menu will have a list of defuel levels to select from based on that specific defuel parameter. The selected value is displayed on the left, to select a defuel level you need only highlight the amount and then exit the setup menu. To turn any particular defuel parameter off press the bottom left button.



Use this button to turn the defueling on.

Use the large Up Down Buttons to scroll up and down through the different sub menu items.

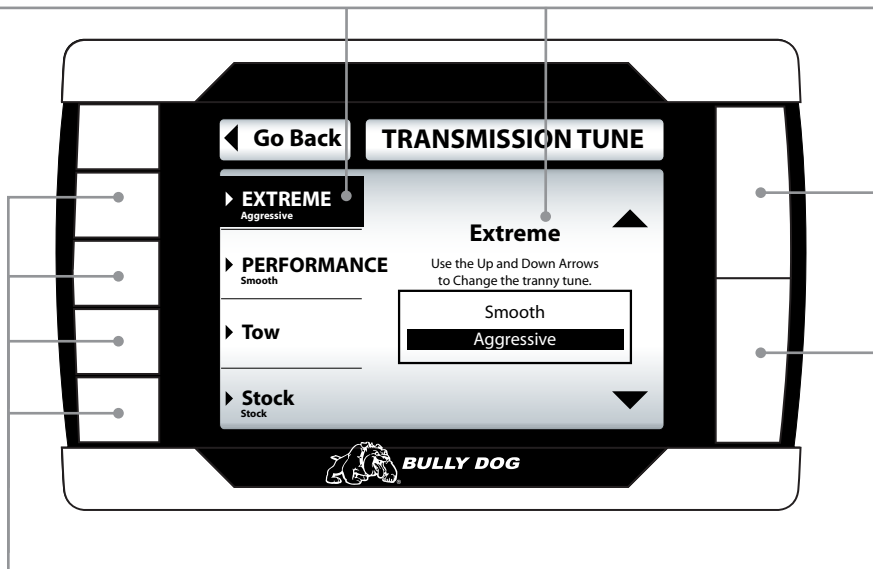


Use this button to turn the defueling off.

TRANSMISSION TUNE: FORD 6.0L ONLY

This allows you to set a specific transmission tune style for each on-the-fly power setting. There are three transmission tune styles available: stock, smooth, and aggressive. Not all of the tunes are available for every power setting.

Notice that upon entering the transmission tune menu that, Extreme, is highlighted in black. When a Power level location is selected it is highlighted in black on the left and it also appears above the transmission tune selection box.



Use these buttons to select the power level for which you want to set the transmission tune.

Use the Up ▲ and Down ▼ buttons to highlight the transmission tune that you would like to Use for each power level.

ADJUST TIRE SIZE

The tire size function allows you to adjust the speed that the PMT will display in one of the gauge locations to account for larger or smaller than stock tire sizes. The range of tire sizes that the PMT will adjust for starts at 28" and goes up to 39" and it adjusts in increments of .25".



Notice that the selected tire size is displayed in the box on the left side of the screen. Once the correct speed is highlighted simply press the go back button to exit. Your selection will automatically be saved.

Use the Up ▲ and Down ▼ buttons to scroll through the available tire sizes; highlight the tire size that fits what is currently mounted on the vehicle to display the speed accurately.

Default setting:

The default setting reads the speed directly off of the vehicle's computer. Use this setting if you have already calibrated the speedometer for larger or smaller aftermarket tires.

Notice that if a speedometer calibration has been performed on the vehicle that it will affect the value displayed on the PMT.

DIAGNOSTICS

This sub menu allows you to check vehicle Diagnostic Trouble Codes (DTCs). Upon entering this menu, the PMT will automatically begin to check the vehicle for DTCs and it will then display those DTCs on the PMT screen. Once it displays the DTCs value and description on the screen it will allow you to erase the DTCs from the vehicle.



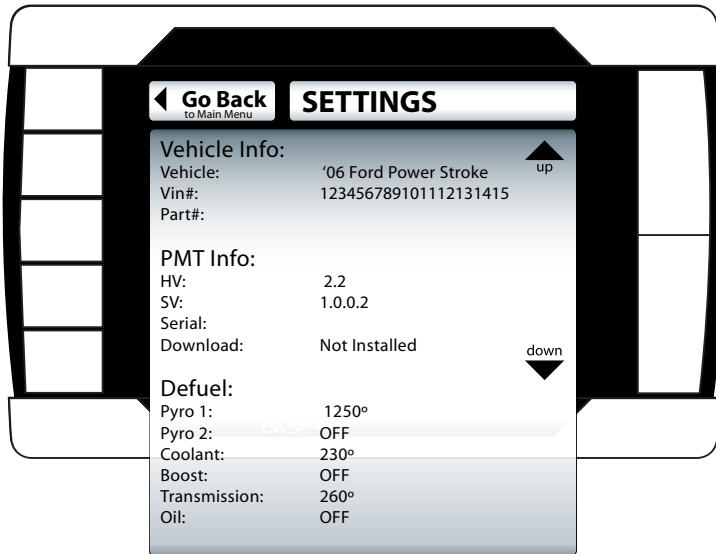
If no DTCs are displayed you can simply press the Go Back button to return to the main menu.



THE SD CARD MUST BE INSERTED IN THE SIDE OF THE PMT TO READ AND ERASE DTCs

SHOW SETTINGS:

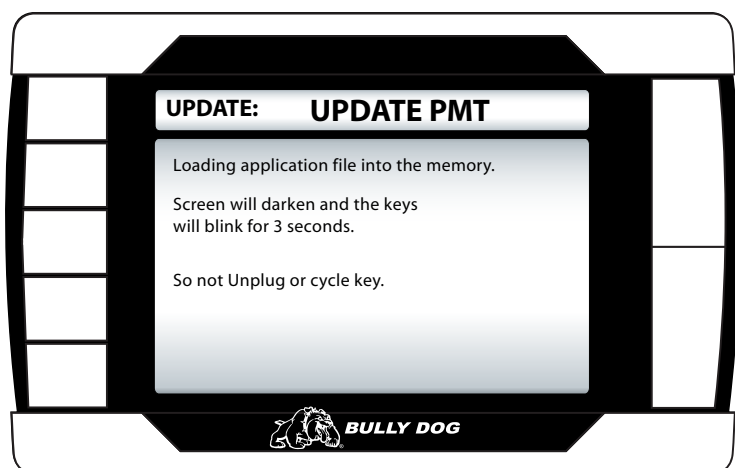
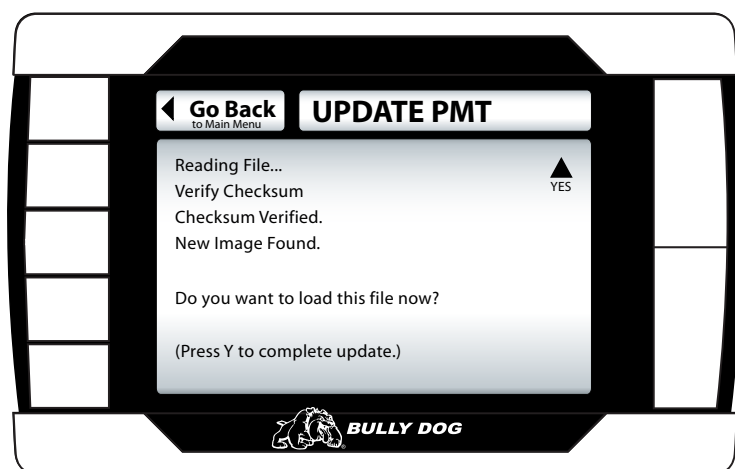
The Show Settings Menu will allow you to see vehicle information and also defuel settings. See the diagram below to see everything that is listed in this menu.



UPDATE PMT SOFTWARE

This sub menu is only used when a new internet update becomes available through our Update Agent, in which case you need to remove the SD Card and update it with the new information provided by the Update Agent. Once an SD Card has updated file information can be put back into the PMT and the PMT can be updated by entering into this sub menu.

Some updates will require that the PMT be returned to stock before the SD Card is removed and updated by the Update Agent. See the Version Information section in the Internet Updates portion for instruction on when it is necessary to return to stock and when updates can be performed without returning to stock.



THE SD CARD MUST BE INSERTED IN THE SIDE OF THE PMT TO UPDATE THE PMT SOFTWARE

NO SD CARD NOTICE: Screen capture below illustrates what will be seen on the screen when you try to update the PMT software without an SD card inserted.



IDENTICAL FILE NOTICE: This is what you will see when the information on the SD card matches the current file information on the PMT. If you are attempting to update the PMT, check the software versions and try again.



PMT INTERNET UPDATE INSTRUCTIONS

Internet Updates: There are three sections in the internet updates portion of this manual, each section is important to understanding and performing internet updates on the PMT.

- **SECTION 1: PMT VERSION INFORMATION:** *Before performing an internet update it is important to know how the version system works. You may or may not have to download the PMT/vehicle back to stock before performing an internet upgrade based on the version number.*
- **SECTION 2: THE UPDATE AGENT:** *This is Bully Dog's exclusive software program developed to update Bully Dog products via the internet. This software is required to update the PMT. This section will explain how to use the Update Agent to check product version info and where to obtain the Update Agent.*
- **SECTION 3: THE UPDATE PROCESS:** *This section explains how to update the PMT step by step using the SD card and the SD Card reader.*

SECTION 1: PMT VERSION INFORMATION

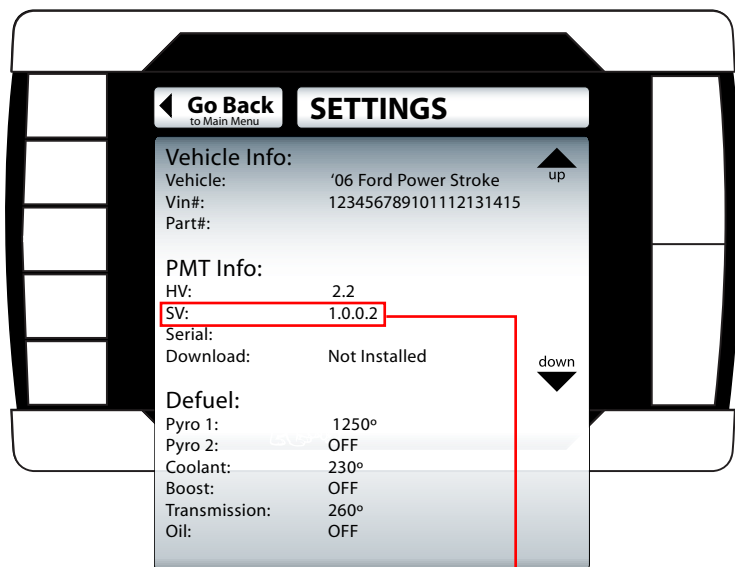
You may have to download the PMT/vehicle back to stock before performing an internet update. The change in the version number for any new update issued on the Update Agent can be checked and compared to the last version to tell if the vehicle needs to be returned to stock before an update is performed.

The PMT software versions contain four digits as seen below:

1.0.0.0

If any of the first three digits change in the PMT, then the PMT/vehicle must be downloaded back to stock before an internet update is possible.

If the fourth digit is the only digit that changes on a newly issued PMT version then it is not necessary to return the vehicle to stock.



Go to the Show Setting Menu to view current installed PMT software version.

SECTION 2: THE UPDATE AGENT

The PMT can only receive internet updates through the Update Agent. Therefore, internet updates must be performed on a PC with a strong internet connection.

To install the Update Agent on a PC visit: www.bullydog.com/download_center.php. This address will take you to the Bully Dog download center where a free copy of the Update Agent can be downloaded.

Besides updating the files on the PMT SD Card, the Update Agent can be used as a resource for checking software version information for the PMT. This information can be used to determine if an internet update is necessary for your particular vehicle.

USE THE UPDATE AGENT TO IDENTIFY THE LATEST PMT SOFTWARE VERSION:

To identify the latest software version available through the Update Agent, maximize the Update Agent to see the interface. Click on the View menu item on the Update Agent interface and then click on Latest Product Versions in the View menu. This will open a Notepad file which displays all of the version information on all of Bully Dog's electronic products. Use the file to compare the PMT version listed in that file to the version displayed on the PMT in the Show Settings sub menu.

USE THE UPDATE AGENT TO SEE WHAT CHANGED IN THE BETWEEN PMT SOFTWARE VERSIONS:

To see the version history, which is a summary of changes, scroll over the Version History tab and then select PMT in the drop down menu. That will then display a summary of changes that have taken place throughout the life of the PMT based upon version number.



SECTION 3: THE UPDATE PROCESS

Once you have checked the version history and downloaded the PMT/Vehicle back to stock, if needed, you are ready to perform the update to get the latest PMT software. Follow the process listed below to update the PMT software to the latest version.

1. Remove the SD Card from the PMT and gather the SD Card Reader. Insert the SD Card into the SD Card Reader.
2. Plug the SD Card Reader into a PC that has the Update Agent installed and the latest PMT software version downloaded. Note that the Update Agent will not automatically recognize the SD Card unless it is inserted into the SD Card Reader before the SD Card Reader is plugged into a PC.
3. Allow the Update Agent at least 10-20 seconds to auto recognize the SD Card. Once the Update Agent recognizes the SD Card and the Update Agent expands to display the software interface, highlight the PMT displayed in the devices menu and select Update.



4. With the SD Card updated, first remove the SD card reader from the PC, then remove the SD card from the SD card reader and return it to the PMT. Insert the SD Card into the SD Card slot on the PMT.
5. With the PMT docked to the PMT cradle turn the ignition to the on position, but do not start the engine.
6. On the PMT interface, navigate into the Main Menu and select the Update PMT Software sub menu.
7. Follow the screen prompts to update the PMT, do not unplug while performing the PMT update.
8. Once complete, depending on the change in version number, you may now need to install a download back onto the vehicle.

APPENDIX:

The appendix contains important information for the PMT and is split into five sections.

- **SECTION 1: PYROMETER CALIBRATION PROCEDURE**
- **SECTION 2: TRANSMISSION RELEARN PROCEDURES: FORD AND GM**
- **SECTION 3: CUSTOM A-PILLAR PART NUMBER INFORMATION**
- **SECTION 4: TROUBLESHOOTING/ERROR CODES**
- **SECTION 5: FORMATTING SD CARD**
- **SECTION 6: WARRANTY/DISCLAIMER**

SECTION 1: PYROMETER CALIBRATION PROCEDURE

BEFORE THIS STEP CAN BE COMPLETED, COMPLETELY INSTALL THE PMT AND ALL OF ITS COMPONENTS.

1. Vehicle must be set to Stock HP/TQ levels-meaning no HP/TQ modifications of any kind (downloader or plug-in modules).
2. Engine must be put under full load for as long as possible on the hottest day possible. It is suggested to drive up a hill or pull a trailer.
3. During a heavy load pull, record the highest reading.
4. Take that reading and add 150° to the high number and that will be your new defuel number that you do not want to exceed.

SECTION 2: TRANSMISSION RELEARN PROCESS

After completing the download process, it is recommended on a 6.6L Duramax with an automatic Allison and a 6.0L Ford Power Stroke with an automatic Torque Shift transmission, that the transmission be relearned. Relearning the transmission can help the transmission adjust to the higher levels of power offered by the PMT resulting in a better shifting transmission. Follow the vehicle specific procedures below to relearn the following transmissions.

GM 6.6L DURAMAX WITH ALLISON TRANSMISSION

1. At a $\frac{1}{4}$ throttle get up into 5th gear. Once you are in 5th gear, apply light pressure to the brake pedal until the truck is stopped.
2. At a $\frac{1}{2}$ throttle get up into 5th gear. Once you are in 5th gear, apply light pressure to the brake pedal until the truck is stopped.
3. At $\frac{3}{4}$ throttle get up into 5th gear. Once you are in 5th gear, apply light pressure to the brake pedal until the truck is stopped.
4. At full throttle get up into 5th gear. Once you are in 5th gear, apply light pressure to the brake pedal until the truck is stopped.
5. Go through the same process with the Tow Haul button on.

FORD 6.0L POWER STROKE AUTOMATIC TORQUE SHIFT TRANSMISSION

1. Come to a complete stop and put the downloader on its highest setting.
2. Moderately accelerate to 55 mph.
3. Allow the vehicle to shift into overdrive and while in overdrive, maintain a speed of 55 mph for 15 seconds.
4. Lightly apply the brake just enough to engage the brake lights, hold brake lights on while maintaining 55 mph for another 15 seconds.
5. Come to a complete stop for 20 seconds.
6. Repeat steps 3 through 5 five additional times.
7. Drive normally and enjoy.

SECTION 3 CUSTOM A- PILLAR PART NUMBER INFORMATION

PMT
Performance Management Tool
A-Pillar Pod Mount



DESCRIPTION	PART #
A-Pillar Pod Mount '03-'07 Ford	31302
A- Pillar Pod Mount '03-'07 Dodge Ram	32303
A- Pillar Pod Mount '01-'07 GM <i>with Speaker</i>	33303
A- Pillar Pod Mount '01-'07 GM <i>without Speaker</i>	33302

SECTION 4: PMT TROUBLESHOOTING

CONDITION	POSSIBLE SOURCES	ACTION
PMT will not turn on	Installation/ Connections	Make sure that the fuse jack is securely fastened to the fuse socket.
		Check that the fuse is working properly.
		Make sure that all of the harnesses are properly installed. If still not working, one of the harnesses could be defective.
Will only display pyrometer	Improper Truck Selection	Check and ensure the proper truck is selected.
		Make sure you have proper connections everywhere. Also, make sure that there are no bent pins in any of the connectors.
Will not adjust horsepower	Improper Truck Selection	Check and ensure the proper truck is selected.
Back light quit working	Loose Connections	Contact Technical Support if the PMT is otherwise functioning normal.
PMT will not display proper temperature EGTs	Pyrometer Probe Connections Incorrect	Check the orientation of the Pyrometer connections on the PCH to ensure that the Pyrometer leads are properly connected.

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

PMT ERROR CODES:

For error code information regarding any error codes that appear while operating the PMT visit the web address below:

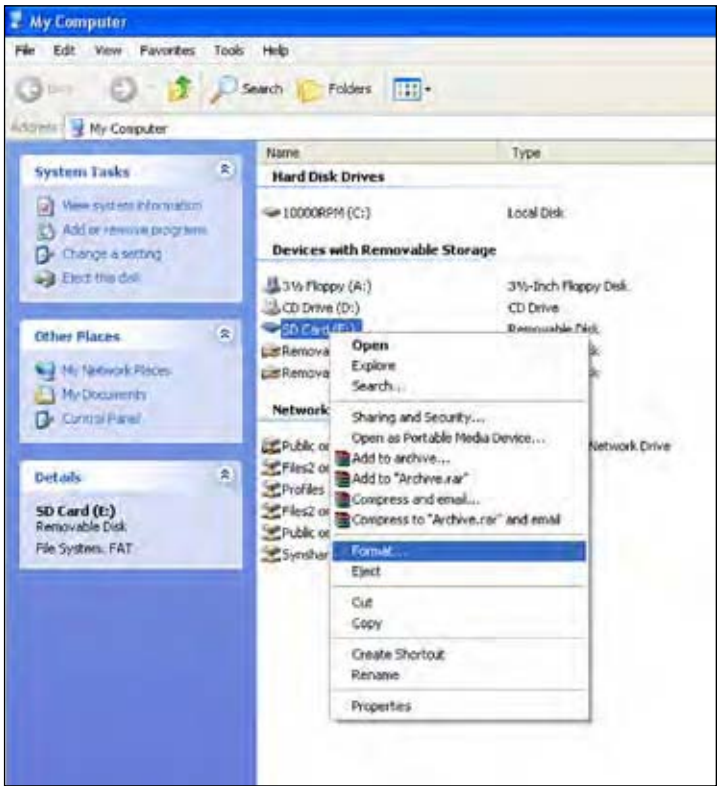
www.bulldog.com/PMT_Tech.php

SECTION 5: FORMATTING SD CARD

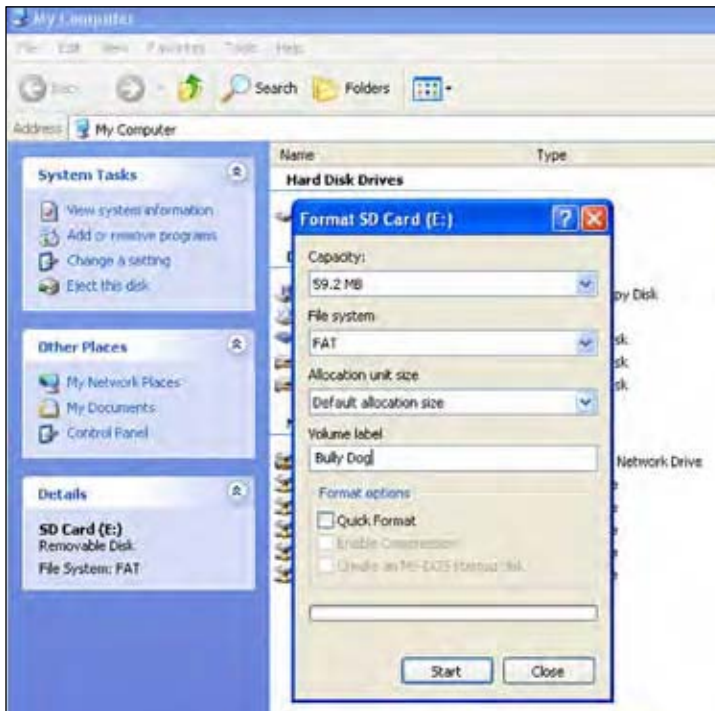
The SD card should only be taken out of the PMT to perform internet upgrades. It is the primary means of performing internet upgrades for the PMT.

In case an SD Card is lost or broken, a new SD Card can be purchased and used to update the PMT. However, the new card will need to be formatted to work with our internet update software, The Update Agent. The reason a new SD card needs to be formatted is so that the Update Agent will automatically recognize that SD Card when the SD card is plugged into a PC. Below are steps and diagrams showing how to format a new SD Card:

- 1. Plug the SD Card into a PC via the USB to SD Card Reader.
- 2. Open the My Computer function in Microsoft windows to see all of the devices and drives on that PC. Find the new SD Card in the list under the heading, “Devices with removable storage.”
- 3. Right click on the SD Card to show a drop down menu of options. In the drop down menu click on Format.



4. With the formatting dialog box open click the drop down men for "File System." Highlight and click on FAT.
5. Then change the Volume Label to read "Bully Dog," by typing it into the dialog box below that title.
- 6 Click "Start" to reformat the card with the new information.



7. After the reformat process is complete you need to visit our website to download a file that must be saved to the SD card. Visit <http://www.bulldog.com/Updateagent.php> and click on the link that says "SD Card ID file."



UPDATE AGENT

Download Center

Download the Update Agent today to get new updates & features in seconds!

FREE download, FREE Service.

CHOOSE ONE:

[Download Update](#)
[Download Update](#)
[Download Update](#)

The "UPDATE AGENT" supports the Triple Dog, Power Pup (Diesel & Gas) Downloaders as well as the Triple Dog Master Downloader.

- When prompted save this file to the SD card.
- Now unplug the card reader and plug it back into the PC and the Update Agent should recognize this SD Card.

Now whenever this card is plugged into any PC that has the Bully Dog Update Agent installed the Agent will automatically recognize the SD Card.

SECTION 6: 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.

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**

Cold Air Intakes



Fluid Damper



Custom OutLook Pod



Exhaust Systems



See more at: bullydog.com

Doc.# BD46010 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)