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19 GT Update  
20-27 Review ..... GT DIESEL About gt preview of the main stages of installation 1. Update gt. This step is very important!!! See page 20 for more information. 2. Physically install gt. See page 28 for more information. 3. Set the melody on your car. See page 32 for more information. IMPORTANT NOTE: You must remove the Bully Dog engine settings before taking your car for any type of service. There are also other important points to remove the melody. Please see page 38 for more information. GT DIESEL Car Apps This list of car apps is up-to-date for GT software version 1.13.3. Check the GT product page [www.bullydog.com](http://www.bullydog.com) to check for new apps. CHEVROLET/IGMC EXPRESS/SAVANNA 6.6L 2006-2014 KODIAK/TOPKICK 6.6L 2008-2010 SIERRA/SILVERADO 6.6L 2001-2014 FORD EXCURSION 6.0L 2003-2006 7.3L 1999-2003 F 250-350 6.0L 2003-2007 6.4L 2008-2010 6.7L 2011-2014 \*NO 2013 CAB &AMP;AMP; CHASSIS 7.3L 1999-2003 DODGE RAM 2500-3500 5.9L 2003-2007 6.7L 2007-2013 RAM 4500-5500 5.9L 2003-2007 6.GT LIST Your GT package should contain the following items: 1. GT Head Unit 5. Fuse Tap part number: 40420-1.6. Fuse Spade 2. OBDII adapter plug-in part number: 40400-105 7. Micro SD card part number: 40410-10 8. Micro SD memory card reader 3. HDMI Cable Part Number: 40410-10 Part Number: 40400-100 4. Wire Power Part Number: 40400-101 8. Windshield mounting details number: 40400-102 4.GT DETAILS The main gt unit the main component of the sensor tuner is the main unit. It has a screen and buttons that allow you to access all the functions and functions of the tuner. GT Front: GT has seven capacitive touch buttons. A capacitive touch is a button style that is sensitive to having a finger. Capacitive buttons do not need to be pressed, just touch to activate. The front of the GT main unit is equipped with a 2.4 inch LCD screen. GT Rear: The 1 OBDII adapter plug GT assembly connects to your car through a diagnostic port that is located under a dash on the driver's side. The OBDII adapter connection connects to the diagnostic port on your vehicle and has a connection the HDMI cable that connects to the back of the GT main unit. Illustration and numbered list below contain more details about other parts of this important part of the GT. GT DIESEL Parts Assembly Description 1.GT diesel button navigation feature 1. Press the button on the top left to enter the main menu, also use this button to exit the menu. Function 2. Press any of the four buttons on the left side of the GT adjacent to one of the vehicle settings on the screen will display this option in the large caliber area. Function 3. Keep any of the four buttons all the time to change the large caliber style, there are four different styles that appear. This GT home screen image has a driving trainer selected for Large caliber. You can change which caliber appears in the upper-right corner of the home screen by holding down one of the buttons on the left side of the GT unit you see the type of sensor you want. Menu: Press to enter the home menu. Large caliber vehicle settings: To change the vehicle setting displayed in a large caliber area, simply press one of the four buttons next to the desired vehicle option. GT DIESEL Available options – All models These options are presented in the order in which they appear in the main menu. If there are no options in the main menu, you should update gt. See pages 20-27 for more information about updating your GT. Change vehicle This option allows you to select the type of vehicle from which it will be used. Pyro 1 &amp;amp;amp;amp; 2 Both pyro 1 and pyro 2 measure exhaust temperature. The only difference between them is the location of the temperature sensor. These temperature readings are used to adjust the level of defecation and warning, which can help protect the engine from heat damage. Availability and location of factory installed pyrometers vary depending on the vehicle and the year. All GT's and new diesel pickups, which are equipped with OEM diesel filters, also include factory-mounted pyrometer sensors. GT DIESEL Performance Testing This feature offers drag races the ability to complete 1 1 4 miles and 0-100 MPH performance tests. You can also download stored tests from your GT to your computer and analyze it using bully dog performance testing software. The software is available by free download from [www.bullydog.com](http://www.bullydog.com). For more information about performance testing software, see page 41. SPECIAL NOTE: Street racing is illegal and extremely dangerous. Driving Coach is a special feature designed for your fuel efficiency dashboard and information center. It provides and real-time audio feedback on driving efficiency and where energy is lost. Driving coach will help you understand the optimal conditions for your particular vehicle using real-time surveillance, giving you the power to maximize your car's fuel economy. GT DIESEL Driving Trainer Settings (Continued) Speedometer accuracy First. Change the sensor settings so the speed appears on the main display screen. For more information about changing the information displayed on the display home screen, see page 9. Next: Go to a safe place where you can perform a speed test. Make sure the speed limit is at least 60 mph. Here are two different ways to find out your car's actual speed: Method 1. GPS 1. Check the accuracy of the average economy reads on gt at least once every changing season. There are many reasons to check and adjust the average fuel economy, here's one example: the fuel supplied at gas stations in winter contains on average 1.3% less energy than the fuel supplied during the warmer months. This means that the same amount of liquid goes into the reservoir, but it is 1.3% less effective, on average. GT SETTING DIESEL CAR Select Pro Source Select or Factory Installed or Hoolligan Dog Pyrometers. Set Bowl levels Set the temperature level at which the extra power level settings on your GT are automatically switched off to protect the motor from damage. You can also turn off each of these settings completely. This is appropriate if the sensor is not available for this option, or if you don't want this option to be controlled by GT. Set the background theme Change display colors on your GT. Adjust the backlight Change brightness for both day and night GT. To change the mode between night and day, hold down both the right buttons (up and down buttons) when you are working on the general sensor display. Set GT DIESEL animation options User settings Turn the wave effect on or off. This effect creates ripples on the screen every time you press a button. SPECIAL GT DIESEL features The following features are not available for all vehicles. View the chart in the Product Dashboard for a complete list of features available for specific vehicles. You can access the Product Newsletter by clicking on the link below: 2061\*%20Disee%20products%20information%20sheet%20v%204%20.pdf Chevrolet/GMC DPF Burn-Off (2007.5 – 2009 Chevy/GM 6. These settings cannot be adjusted by OTF (On the Fly). You can change them only by starting this process again and selecting change settings when prompted by GT. The following features are not available for all vehicles, and your rights as an owner to use after-sales products without voiding the warranty for the next SEMA (Specialized Equipment Equipment) Association website: GT New GT is covered for one year after the date of purchase. This warranty covers the repair of factory defects; it does not cover accidental damage or discharge of services. Overview. FREQUENTLY ASKED QUESTIONS ABOUT UPDATES Why do I need to update my GT? Because it's very important! These are just some of the reasons: GT DIESEL Update GT 1. Vehicle manufacturers regularly change parts numbers and other information the GT needs to know to communicate effectively with your computer engine. If the GT does not have updated information, it may not work correctly with your vehicle. GT DIESEL Update GT Basic steps for upgrading (Short version) You can find a more detailed description of this process on pages 22-25. 3. Run the Update Agent. 2. Connect the Micro SD card to your computer. 3. Select the vehicle app and let the agent search. 4. Click the Update button. 5. After the upgrade is complete, place the micro SD card in GT.6. Update the GT from the SD card by selecting GT Software Update from the main menu. What you need to update gt.1.GT GT update (Detailed Steps for Windows) The following instructions are for Microsoft Windows computers. Please see page 27 for apple computer instructions. Remove the melody from your car 1. If the ingtone isn't already installed, go to step 2. 2. Information about the removal of the melody can be found on pages 38-40. 3. For verification information to see if the melody is set, see <ad><ad> Change the melody <ad2><ad2><ad2><ad2> Connect a micro SD card to your computer that has internet access 1.GT DIESEL Update GT (Detailed Steps for Windows) The following instructions are for Microsoft Windows computers. 4. You can download the installation - Run the application - you do not need to leave it. - If you receive pop-up messages asking for permission to install, click the buttons to allow your computer to complete the update agent installation. (Detailed steps for Windows) 5. Start the program. - If you have just installed it, the agent is already working. - You can show the update agent by right-clicking the icon in the system tray in the lower-right corner of the screen and then clicking Show Agent. - Or you can stop the previous instance of the update agent and open a new one - any option is the winner. GT DIESEL Update GT (Detailed Steps for Windows) 8. Note: This step depends on how you connected the bully dog to the computer. - If a micro SD card is connected to your computer - Disconnect it from the computer and plug it into GT. - Then turn on the GT by connecting it to your computer or vehicle and returning the key to Run. - If gt is connected to your computer - Press the second key from top left to exit USB mode. Update Agent won't install Q.Why my computer is opening full of weird characters when I install the update agent? GT DIESEL Troubleshooting Update A. Your computer is not up to date and must first start Windows Update. For more information about how to start Windows Update, see pages 42 through 48. The update agent does not recognize my Micro SD card Q. Why does the update agent not recognize that the micro SD card is connected to my computer? A.GT DIESEL UPDATE is your GT (Detailed Steps for Apple) 1. Get your car back in stock. For detailed instructions on this process, see pages 38-40. 2. Connect the micro SD card to the computer. - Connect a micro SD card using a card reader. OR - Connect the GT to a Micro SD card insalled with a USB cable. Do not use an HDMI cable to update gt.3. Format the micro SD card in the FAT file system. 4. Go to the Bully Dog website and click on the link for update Agent.Be sure to check the list and description of the included parts on pages 4-6. Short preview This is a short list of basic installation steps. For more specific information about each step, see the next section. 1. Connect the OBDII adapter plug to the port under the dash. 2. Connect the power cord to the fuse and connect it to the adapter plug. 3. Run the HDMI cable under the dash. 4. Mount and connect GT GT DIESEL Physical installation Detailed instructions 1. Connect the OBDII adapter plug to the OBDII port. For a detailed description of the different parts of the OBDII adapter plug, see page 6. -> Locate the OBDII port in your vehicle. As shown in the illustration, the specific location of the port can vary between different vehicles, but it is always somewhere under the driver's side dash. The OBDII port will have the same shape as the end of the adapter plug. Detailed instructions (continuation) 3. Run the HDMI cable under the dash. This step will help you install the HDMI cable in a way that is discreet, stylish, and it helps protect the GT. 1. Connect one end of the HDMI cable to the port on the OBDII adapter plug. 2. Run the middle of the cable through a dash on the driver's side, so that the end of the cable comes out near A-pillar GT diesel Additional mounting options Bully Dog has created alternative mounting solutions that will allow you to mount the GT in even more convenient places. Ram Mirror-Mate Parts Numbers: 31600 and 33600 RAM Mirror-Mate mount kit will allow you to mount the GT directly under the rear view mirror. This heavy mounting solution provides easy and intuitive access to your GT without blocking the driver's appearance. Y. In use the extra horsepower and other benefits of setting up your car, you need to take advantage of install download. The process is basically the same when you set, change settings or return to stocks. Caution! This option actively reprograms the engine computer in your vehicle - if the process is interrupted due to poor training, you will have problems that prevent you from using the GT or the ability to drive your vehicle within days. GT DIESEL installation of important setup preparation steps (continued) Make sure the battery is charged, make sure the battery is fully charged before loading. It's worth having a charger ready to connect to your car if batteries start to lose charge when you install the boot. Removing fuses This step is vital for successful installation on some vehicles, but is not required on others. The following pages contain information about which fuses to pull out to allow the GT to set the melody on the engine computer on specific vehicles. If the fuses are not pulled out, the melody is likely to hang during the installation process. Fuses can be replaced when the melody is installed. GT DIESEL Setting ingtone 99-01 Ford 7.GT DIESEL Important: This fuse is inside the engine compartment on the driver side of the vehicle 2003-2005 Duramax Fuse Scheme Remove fuses before installation -> TBC BATT -> TBC IGN1 -> Radio -> INFO 351. Follow the steps before installing -> Update gt by using the Update Agent (pages 20 through 27) -> Physical installation (pages 28-31) -> Set the training melody (pages 32-35). GT DIESEL How to set the melody 2. Return the key to the Run position. (DON'T start the engine) 3. Go to home menu 4. Select Install downloads 5. Follow the instructions on the GT screen that will include the following steps: -> During Installation 1, you'll need to return the key to different positions, and then press Continue.GT DIESEL to troubleshoot installation errors during installation 1. Note the code number and all the information displayed on the screen. 2. Unplug and update the instructions on pages 20-27. 3. Make sure that you have disabled all after-market electronics and taken all important training steps. See pages 32-35 for more information. 4. Try to install the download again. 5. If the error occurs again, contact technical support. What does this mean? Deleting a melody and returning to stock are different ways to describe the same thing: writing original (stock) information to the engine computer, so it uses the settings it used before installing your GT. It also sends a GT signal to tell it that it's no longer installed on the vehicle, allowing you to set the melody later. GT will not allow you to set if the melody is already installed on the vehicle. GT DIESEL Removal - Return to stock How to return to stock. IMPORTANT NOTE: Both methods are very similar to installing a melody on your car, so you should make the same preparations and take the same precautions. This means time and place, making sure that the battery is charged by pulling the fuses (if necessary), turning off after-market electronics, etc. See pages 32-35 for more information if I don't go back to stocks? Here are some common examples: - If you take your car for maintenance, they will flash the engine computer. Even if you ask them not to, any dealer or store will do so automatically - it's standard procedure for any vehicle they see and they really can't help themselves from following this entrenched habit. What they are doing is actually writing an updated file over any information that is currently stored on your computer engine. GT DIESEL More information Calibration of pyrometer What is pyrometer calibration? Pyro Calibration is a way to find the best temperature for GT bowl movement or warning settings for your car. This will help you prevent damage to the heat of your engine. How to calibrate your pyrometer 1. Return your truck to the warehouse by removing the melody. See pages 38-40 for more information. 2. Find a steep hill with a long road and a high speed limit. 3. Wait for a hot day. 4. Place a heavy load on your car. 5. Windows Update Windows XP 1. Click the Start button. GT DIESEL Additional Information 2. Click All Apps 3. Click Windows Update 4.GT more information about Windows Update (continued) Windows XP 5. If your computer doesn't have the latest software update, your browser displays a pop-up panel as shown below. If you see this message on your computer, click the panel, and then click Install ActiveX Management. If you don't see this message on your computer, go to step 6. 6. When the Internet Explorer security warning appears, click install. 7. Click the Install Now button. 8.Windows Update (continued) Windows XP 9. At this point, you have two options: -> Express: Select this option if you prefer automatic updating and have time to wait for all updates to finish downloading and installing. Depending on how many updates are required, it may take several hours. It is likely that you will have to restart your computer in the middle of the process and may even have to run a quick upgrade more than once before your computer is fully updated. GT DIESEL More information about Windows Update (continued) Windows XP 12. After that, your computer downloads and installs updates for Windows Update software. After you finish downloading and installing updates on your computer, you are prompted to restart your computer. To proceed to the next step in the upgrade process, you must restart the computer. 13. After you restart your computer, repeat steps 12.3 and 9 (open Windows Update, and then click Custom). Windows Update (continued) Windows XP 14. After checking for the latest updates for your computer, the service Update displays a list of available updates. First, scroll down and clear any high priority update that you can already choose from. GT DIESEL Additional information 15. Once you've cleared other updates, click on the software optionally. 16. Select the Check box to select the Microsoft .NET Framework 3.5 Service Pack 1 and the .NET Framework 3.5 Family Update (KB951847) (KB951847) DIESEL More information about Windows Update (continued) Windows XP 17. After the .NET Framework 3.5 service pack is selected, click Browse and install the updates. 18. Make sure that the .NET Framework is the only update selected, and then click Install Updates. Windows Update (continued) Windows XP 19. Windows will download the .NET Framework 3.5 update package. Windows also automatically initializes the installation of the update. This step may take a few minutes and it may seem that your computer is stuck, but it is ok and the computer will continue to process automatically when it is ready. GT DIESEL More information Then, your computer will start installing updates. Again, this process may take several minutes to get started. GT DIESEL Technical Support Communication works Monday-Friday, 8 m - 5 p.m., mountain standard time. The telephone number for technical support communication is (940)783-9915. When contacting technical support, you must have all the following items: -> Your GT tuner -> Your car -> A computer with USB internet access mode When you connect a GT to your computer using a USB cable, it switches to USB mode. In order to use the upgrade agent, keep the GT in USB mode if you notice a rough shift 6.0L Duramax or 6.0L Powerstroke vehicles after setting up your computer engine, you can help your transmission adjust to additional horsepower by following the Relearn transfer process described below. Transmission will also be automatically adjusted after about 150 miles of regular driving if you prefer not to complete the re-training process. GT DIESEL Transfer Relearn Process GM 6.0L Duramax with Allison Transfer 1.GT Diesel FREQUENTLY ASKED QUESTIONS/TROUBLESHOOTING Engine Warm-up Mode Q. My engine is stuck in warm-up mode and I can't change the power level. What is happening and how can I fix it? AV Is a feature we've included in the GT to help people, especially fleet managers, ensure their vehicles warm up properly before additional power level settings can be used. In some vehicles, this option does not turn off when it should, either because the sensor is not present or the setting is too high. My car won't close after returning to Q. My truck doesn't run after I've removed the tune. How to fix it? A. Follow these steps to have your truck running with the ingtone removed: 1. Make sure you've done all the preparation steps on pages 32-35. GT DIESEL FAS/Troubleshooting2. Go to the main menu on GT.3. Scroll down and select Show options.4. Check that the GT is displayed next to download. -> Recovery. Go to step 4.GT frequently asked questions diesel / troubleshooting DPF Remove Q. Will GT delete my DPF? No. Hoolligan dog does not offer DPF to remove. The bully dog will never offer a DPF to remove. Crazy Larry Q. Can I get crazy Larry to tune in to my GT? A. No. Crazy Larry is no longer available. Due to EPA rules, it will not be offered again. I am 1. I Feel the extra power of Q. Why can't I feel the extra power of a horse? AV If your car was just returned from the dealer, you may have forgotten to return the vehicle to the warehouse. Page 24b..... 2.16Viewing the main installation steps

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