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Gas Part #40415 Not legal for sale or use in California on pollution-controlled vehicle Doc. 40415-99 v1.6 CONTENTS Updating the GT .....						18-25 Overview .....		18-19 FAQs about Updating .....		18 Basic Steps to Update (Short Version) .....	
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option. Either option will work; however, some of the updates completed during the Express update cannot be uninstalled, so you should be sure for choosing that option. 40415 GT GAS 10. Windows will check your computer for updates: NOTE that this can take several seconds or several minutes Your computer might generate an Internet Explorer pop up message about information and privacy. Click Yes. (You might also want to check the box as shown in the picture to prevent your computer from showing the pop up again.) 11. Your computer might prompt you to upgrade some components of Windows Update. If you see the screen below, click Download and install Now, as shown below. If your computer does not display this screen, skip to step 14. 42 40415 GT GAS MORE INFORMATION Windows Update (continued) Windows XP 12. Your computer will then download and install the updates for the Windows Update software. When your computer has nished downloading and installing the updates, you will be prompted to restart your computer. You must restart in order to proceed to the next step in the update process. 13. Once your computer has restarted, repeat steps 1,2,3, and 9 (open Windows Update and click Custom). 43 MORE INFORMATION Windows Update (continued) Windows XP 40415 GT GAS 14. After checking for the latest updates for your computer, Windows Update will display a list of updates that are available. First, scroll down and clear any of the High Priority updates that may already be selected. 15. Once you have cleared the other updates, click on Software, Optional. 16. Click the box to select the Microsoft .NET Framework 3.5 Service Pack 1 and .NET Framework 3.5 Family Update (KB951847) x86. 44 40415 GT GAS MORE INFORMATION Windows Update (continued) Windows XP 17. Once the .NET Framework 3.5 Service Pack is selected, click on Review and Install Updates. 18. Make sure that the .NET Framework is the only update selected, then click Install Updates. 45 MORE INFORMATION Windows Update (continued) Windows XP 40415 GT GAS 19. Windows will download the .NET Framework 3.5 Service Pack update. Windows will also automatically initialize the installation of the update. This step could take a few minutes and it might seem like your computer is stuck, but this is normal and your computer will continue the process automatically when it is ready. 20. Once the .NET installation is complete, click Restart Now. 21. Once your computer has restarted, the update process is Complete! You can now install and run the Bully Dog Update Agent and update your GT. For more information about updating your GT, see pages 18-24. Then, your computer will begin installing the update. Again, this process can take several minutes to get started. Eventually, your computer will move forward with installing the .NET Framework update. 46 40415 GT GAS CONTACTING TECHNICAL SUPPORT Technical Support is open Monday-Friday, 8 a.m. – 5 p.m., Mountain Standard Time. The phone number to contact technical support is (940)783-9915. You should have all of the following items available when contacting technical support: • Your GT tuner • Your vehicle • A computer with internet access USB MODE When you connect your GT to your computer via a USB cable, it enters USB Mode. In order to use the Update Agent, keep the GT in USB Mode. If you want to use your computer to power the GT and allow you to access some of the GT's functions when it is not connected to your vehicle, you can Abort USB Mode. In order to Abort USB Mode, press the second key from the top on the left side, as shown in the picture below: 47 MORE INFORMATION Pyrometer Calibration What is Pyrometer Calibration? Pyro calibration is a way to nd the best temperature to use for the GT temperature warning setting for your vehicle. This will help you prevent heat damage to your engine. How to Calibrate Your Pyrometer 1. Return your truck to stock by uninstalling the tune. See pages 39-41 for more information. 2. Find a steep hill with a long road and a high speed limit. 3. Wait for a hot day. 4. Set up a heavy load on your vehicle. 5. Haul the load to the top of the hill. 6. Check the pyrometer temperature. 7. Add 150°F. 8. Change the temperature warning setting under Main Menu > Vehicle Setup > Set Warning Levels. 40415 GT GAS 48 40415 GT GAS FAQS/TROUBLESHOOTING My GT Won't Turn Off Q. I have turned my vehicle off and removed the key - everything else has turned off. Why won't my GT turn off? A. The power switch on the OBDII adapter plug is in the "wrong" position. If you want the GT to turn on and off along with the rest of your vehicle, you will need to make sure that the power switch is in the "correct" position and that the power cable is installed correctly. See page 27 for more information about installing the power cable. My Vehicle Won't Start after I installed the Download Q. My vehicle won't start after I installed the download, what happened and how do I fix this? A. The GT encountered a problem when it was writing to the engine computer. Follow these steps to resolve the problem: 1. Return the vehicle to stock. See page pages 35-37 for more information about this step. Test to see if the engine starts. 2. Update the GT. See pages 18-25, for more information about this step. 3. Install the download again. Test to see if the engine starts. 4. Contact technical support if the problem persists. See page 47 for more information about contacting technical support. My Vehicle Won't Start after Returning to Stock Q. My vehicle won't start after I uninstalled the tune. How do I fix this? A. Follow these steps to get your truck running with the tune uninstalled: 1. Make sure that you have completed all of the preparation steps on pages 30 - 2. Go to the Main Menu on the GT. 3. Scroll down and choose the Show Settings Option. 4. Check what the GT is showing next to Download. • Recovery: go to the next step. • Installed or Not Installed: Contact technical support - see page 47 for more information about contacting technical support. 5. Go back to the Main Menu 6. Choose the Install Download option 7. Conrm that you want to complete the Recovery. 8. Follow the onscreen instructions. 9. Once the recovery is complete, try to start your vehicle. 10. If your vehicle still will not start, contact technical support - see page 47 for more information about contacting technical support. Note: If the Recovery process completes successfully, your vehicle is returned to stock. You will not need to do another step to uninstall the tune or return the truck to stock. If the Show Setting screen still shows Recovery next to Download, contact technical support to have the unit reset (there will not be a charge to reset from Recovery Mode). 49 My Vehicle isn't Listed under Change Vehicle Q. Why isn't my vehicle included in the list under the Change Vehicle option? A. Chevrolet owners should choose the GMC option that matches the year of their vehicle. If your vehicle is very new or very old, you may need to update (see page 18) or your vehicle may not be supported yet. What Kind of Increased Performance Can I Expect? Q. How much extra horsepower will my vehicle get? What can I expect for fuel efficiency improvements? A. See page 2 for information about additional horsepower. Many people do find that the increased horse power helps them get the most mileage out of their fuel as possible. However, since fuel efficiency varies so much between different vehicles and drivers, there is no way to accurately predict fuel mileage increases. To get the best gas mileage possible, make sure to calibrate and use the Driving Coach to improve your driving habits. See pages 12-14 for more information about the Driving Coach. Crazy Larry Q. Can I get the Crazy Larry tune on my GT? 40415 GT GAS A. No. Crazy Larry is no longer available. Due to EPA regulations, it will not be offered again. I Don't Feel Extra Power Q. Why can't I feel the extra horse power? A. A. You may be expecting to feel the same change in horse power on a gas vehicle that our tuners provide for diesel vehicles. The additional horsepower available for a gas vehicle is not as high as it is for diesel vehicles, so you may not be able to feel it the same way as on a diesel; however the additional horsepower will still help the vehicle accelerate and maintain speed. See page 43 for more information about the different power level tunes that are available for gas vehicles. Also, if your vehicle has recently been serviced, you might have forgotten to return the vehicle to stock. See pages 39-41 for more information on returning to stock. See page 41 for more information on checking to see if your vehicle was returned to stock and what to do if it was not returned to stock. 50 Installing a Bully Dog GT tuner on your diesel vehicle is an excellent way to enhance its performance, improve fuel efficiency, and monitor vital engine parameters. This blog will walk you through the step-by-step process of safely installing the tuner. Let's get started! What Is a Bully Dog GT tuner Diesel? The Bully Dog GT (Gauge Tuner) is a performance-enhancing device designed to improve the overall efficiency and output of diesel engines. It interfaces with the vehicle's engine management system to optimize performance metrics such as fuel delivery and ignition timing.Expected Performance Improvements Installing a Bully Dog GT tuner can lead to several noticeable improvements in a diesel engine's performance: Increased Horsepower: By optimizing the engine's air/fuel ratio and increasing turbo pressure, the tuner can significantly boost horsepower, providing more power for towing and acceleration. Improved Fuel Efficiency: The tuner adjusts the engine's operation for optimal fuel usage, which can result in better mileage, particularly beneficial for long-distance and heavy-duty driving.Tools Needed To install the Bully Dog GT tuner on a diesel engine, you will need the following tools: Screwdrivers: Both flathead and Phillips head. Socket Set: Various sizes to accommodate different bolt heads. Torque Wrench: To ensure all fittings are tightened to specifications. Wire Strippers and Connectors: For any necessary electrical connections.Safety Precautions Before beginning the installation, follow these safety measures to prevent any accidents or damage: Disconnect the Battery: Make sure the vehicle's engine is off and disconnect the battery to avoid any electrical shorts or shocks during installation. Wear Protective Gear: Wear gloves and safety goggles to protect yourself from accidental spills and debris. Ensure a Stable Work Environment: Work on a flat surface and ensure the vehicle is securely parked and cannot move.How To Install Bully Dog GT tuner Diesel? Step by Step Guide Enhancing your vehicle's performance with a Bully Dog GT tuner involves a straightforward installation process. By following these detailed steps, you can optimize your diesel engine for better horsepower and fuel efficiency. Below is a comprehensive guide to properly installing and configuring your Bully Dog GT tuner.Step 1: Mount the Device Mount the tuner where it is easily visible to the driver without obstructing the view of the road. Ideal spots include the dashboard or near the center console. This placement not only ensures easy accessibility but also keeps the device within convenient view for monitoring and adjustment. Secure the device using the provided mounting hardware, such as adhesive pads, suction cups, or screws. Ensure the mount is stable and firmly attached to prevent the tuner from moving while driving, which could lead to distractions or impair the functionality of the device.Step 2: Connect the Wiring Harness Locate the OBD-II port in your vehicle, typically found under the dashboard near the steering column. Connect the tuner's wiring harness to this port, making sure the connection is tight and secure to ensure reliable operation and data transmission between the tuner and the vehicle's computer. Carefully route the wires from the tuner to the OBD-II port, securing them with wire ties to avoid contact with moving parts or heat sources. Proper wire management prevents damage and interference with normal vehicle operations, ensuring the installation is both safe and professional.Step 3: Power and Configure the Tuner Connect the tuner to a power source according to the manufacturer's guidelines, which may involve wiring it to a fuse box or directly to the battery. This setup ensures the tuner receives the steady power supply necessary for its operation. Turn on the tuner and follow the on-screen prompts to complete the initial setup, which may include configuring the settings according to your preferences. If the tuner indicates that updates are available, connect to Wi-Fi or another internet source to download and install these updates, optimizing your device's performance and capabilities.Step 4: Program the Vehicle Select a suitable tuning program from the tuner's menu to match your vehicle's needs and your performance expectations. This could range from increased horsepower for enhanced performance to improved fuel efficiency for economic driving. Follow the tuner's instructions to install the selected program. The installation process might temporarily affect the vehicle's operation, typically indicated by the vehicle cycling on and off. Once the program is installed, verify its success on the tuner's display and make any final adjustments required to ensure optimal performance and integration with your vehicle's systems.Common Issues Troubleshooting Encountering issues during or after installing your Bully Dog GT tuner can be frustrating, but many common problems have simple solutions. Here's a quick guide to troubleshooting some frequent challenges that users might face. Follow these steps to resolve issues and get your tuner back to optimal performance.1. Device Not Powering Up If the tuner does not power up, first check all connections to ensure they are secure and properly connected. Verify that the tuner is correctly plugged into the OBD-II port and that the power source is active. Additionally, check the vehicle's fuses to ensure none have blown, as a blown fuse can prevent the device from receiving power.2. Error Messages or Inconsistent Performance Should the tuner display error messages or exhibit erratic behavior, resetting the device can often resolve these issues. Disconnect it from the power source and OBD-II port, wait a few minutes, and then reconnect everything. If problems persist, updating the tuner's software may be necessary to correct any software glitches or compatibility issues.3. Connection Issues with the Vehicle's Computer If the tuner fails to communicate properly with the vehicle's computer, ensure the firmware is up to date, as outdated software can lead to compatibility issues. Double-check that the harness connection to the OBD-II port is secure. If the problem continues, consulting the manufacturer's support for guidance tailored to your specific vehicle model and tuner version may be required.Maintenance and Updates Regular maintenance of your tuner includes keeping it clean and checking for physical wear. Ensure that the device and its connections remain dust-free and the mounting area is intact to prevent any loosening or vibration. Regularly check for software updates to maintain optimal performance and feature access. Updates can address bugs, improve interface efficiency, and ensure compatibility with the latest vehicle models and specifications.Conclusions In conclusion, taking the time to properly install and maintain your Bully Dog GT tuner not only ensures optimal performance but also enhances your overall driving experience. With the right approach, you can maximize your vehicle's efficiency and power, proving that smart technology paired with diligent care can lead to substantial long-term benefits for any diesel engine enthusiast.