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6.7 cummins egr delete instructions

how to perform an EGR delete on your 2013-2018 Dodge Ram 6.7L Cummins you're detailed step-by-step instructions. Improve your truck's performance and fuel efficiency using the SPELAB EGR delete kit. Discover tools, materials, benefits, and common troubleshooting tips. 1. Introduction The 2013-2018 Dodge Ram 6.7L Cummins EGR delete process is crucial for enhancing your truck's performance. Removing the EGR system lead to better fuel efficiency and improved engine power. However, it's important to ensure this modification is legal in your area before proceeding. Why Delete the EGR? The EGR (Exhaust Gas Recirculation) system recirculates a portion of your exhaust gases back into the engine. While this helps reduce emissions, it can also lead to carbon buildup and reduced engine performance over time. By deleting the EGR system, you can prevent these issues and enhance your truck's reliability and power. Disclaimer: Before you begin, check your local laws and regulations regarding EGR deletes. This modification may not be legal in all areas. Always comply with local regulations to avoid any legal issues. Ready to transform your truck's performance? Let's dive into the tools and materials you'll need. 2. Tools and Materials To successfully complete the EGR delete on your 2013-2018 Dodge Ram 6.7L Cummins, you'll need a specific set of tools and materials. Here's what you'll require: SPELAB 6.7 Cummins EGR Delete Kit Brand:SPELAB SKU:SPES04077BK-RH SPES04077BL Weight:2510g Type:EGR Delete Color:Black/Rose/Silver Fitment:2013-2018 Dodge Ram 2500 3500 6.7L Cummins Diesel Additional:2013+ EGR Relocation Kit Basic Tools Required Screwdrivers:Flathead and Phillips Wrenches:Various sizes Pry Bars:For leverage and removal Electrical Connectors:For secure connections Dodge Ram 2500 3500 6.7L Cummins Diesel Buy Now Using these tools and materials, you'll be able to perform the EGR delete efficiently. SPELAB's EGR delete kit for the 6.7 Cummins is designed to provide a seamless fit and superior performance enhancement. Ready to take the next step? Preparation Before diving into the EGR delete process, it's essential to prepare your work area and ensure you have everything in place. Proper preparation ensures a smooth and efficient installation. Safety Precautions Disconnect the Battery:Always start by disconnecting the battery to prevent any electrical accidents. Wear Safety Gear:Use gloves and safety glasses to protect yourself from debris and chemicals. Lifting the Truck Use Ramps or a Jack-Lift the truck to provide adequate working space underneath. Ensure the vehicle is securely supported before beginning any work. With these preparation steps, you're ready to begin the EGR delete process. Let's move on to the detailed instructions. Ready to get hands-on? Let's move on to the step-by-step instructions for using the 6.7 Cummins EGR delete kit. 4. Step-by-Step Instructions for 6.7 Cummins EGR Delete Kit Performing an EGR delete on your 2013-2018 Dodge Ram 6.7L Cummins involves several steps. Follow these instructions carefully to ensure a successful installation. Remove the Engine Cover:Start by removing the engine cover to access the EGR components. Disconnect Sensors:Unplug the sensors connected to the engine cover. Unplug and Remove the EGR Pipe:Disconnect the EGR pipe by removing the clamps and bolts holding it in place. Clean the Surface:Use a razor blade to clean the mounting surface, ensuring no gasket material falls into the engine. Installing the Cummins EGR Delete Blocker Plate Install the Blocker Plate:Place the blocker plate from the SPELAB 6.7 Cummins EGR delete kit on the intake elbow. Ensure the O-rings are installed. Secure with Bolts:Use the provided bolts to secure the blocker plate in place. Removing the Air Intake Pipe Remove Clamps and Bolts:Disconnect the clamps and bolts securing the air intake pipe. Handle the Coolant Line:Carefully maneuver the pipe under the coolant line to remove it. Remove Heat Shields:Take off the heat shields to gain access to the EGR cooler and other components. Removing the Cummins EGR Cooler Unbolt the EGR Cooler:Remove the bolts holding the EGR cooler in place. Manage Coolant Leakage:Carefully lift and remove the EGR cooler, ensuring minimal coolant spillage. Remove the EGR Bracket:Unbolt and remove the EGR bracket. Install the Blocker Plate:Place the new blocker plate from the kit, using the factory gasket and provided bolts. Unplugging the Throttle Valve Unplug the Throttle Valve:Locate and disconnect the throttle valve. Use a mirror for better visibility. Zip-Tie Connectors:Secure the connectors out of the way with zip ties. These steps cover the main process of using the EGR delete kit for the 6.7 Cummins. Make sure each step is completed correctly to ensure optimal performance. With the EGR components removed, let's move on to upgrading the exhaust system. 5. Upgrading the Exhaust System with EGR Delete 6.7 Cummins Upgrading your exhaust system is a crucial step in the EGR delete process. This ensures that your truck operates efficiently and benefits fully from the EGR delete. Removing the Factory Exhaust Disconnecting Sensors:Begin by unplugging all sensors along the exhaust system. Ensure you handle each sensor carefully to avoid damage. Unbolting Exhaust Sections:Start at the back and unbolt the exhaust sections. Use penetrating fluid on stubborn bolts to make the process easier. Work your way towards the front, unbolting each section. Installing the Aftermarket Exhaust Aligning the New Exhaust:Layout out the new exhaust system from the SPELAB kit. Ensure all pieces are present and properly aligned. Securing the New Exhaust:Attach the new exhaust to the truck, starting from the front. Use the clamps provided to secure each section. Ensure each piece is snug but allows for slight adjustments. Checking for Exhaust Leaks:Once the entire system is installed, start the engine and feel around the exhaust connections for any leaks. Tighten any loose connections if necessary. This step-by-step process will help you efficiently upgrade your exhaust system. Ensure all connections are secure and there are no leaks for optimal performance. With the new exhaust system in place, it's time to tune your truck. Let's move on to the tuning process. 6. Tuning the Truck with Cummins EGR Delete Kit Tuning your truck after installing the EGR delete kit is crucial for optimizing performance. Using EFI Live Tuning Option Connecting the Bypass Cable:If you have a 2018 truck, you'll need to install a bypass cable. Locate the OBD plug under the dash, pop it out, and connect the bypass cable. Licensing and Programming the Autocal:Plug the Autocal device into the OBD connector. Ensure the truck is set to run, and turn off all accessories like the fan and stereo. Follow the on-screen instructions. After the tuning is complete, start the truck and ensure it runs smoothly. Drive it gently initially to allow the transmission control module to relearn the shift points. Tuning your truck correctly is essential for ensuring that the EGR delete kit 6.7 Cummins operates at its best. With the tuning complete, let's move on to the testing and final adjustments. 7. Testing and Final Adjustments for EGR Delete Kit Cummins After installing the EGR delete kit and tuning your truck, it's essential to perform some final tests and adjustments to ensure everything is functioning correctly. Reconnecting the Battery Reconnect the Battery:Ensure the battery is securely reconnected. This step is crucial for powering all the truck's systems. Starting the Engine Turn on the ignition and start the engine. Listen for any unusual sounds and ensure the engine runs smoothly. Checking for System Errors Monitor the Dashboard:Look for any warning lights or error messages on the dashboard. Address any issues that arise immediately. Check for Exhaust Leaks:Run your hands along the exhaust clamps and connections to feel for any leaks. Tighten connections if necessary. Adjusting Settings as Needed Fine-Tuning the Setup:Make any necessary adjustments to the EGR delete components and the exhaust system. Ensure all parts are secure and functioning as expected. These final steps are crucial to ensuring your EGR delete kit for the 6.7 Cummins operates flawlessly. Through testing and adjustments will guarantee optimal performance and reliability. With the installation and testing complete, let's move on to discussing the product information and benefits. 8. Product Information and Benefits Choosing the right EGR delete kit for your 6.7 Cummins is essential for achieving the best performance and reliability. Here's why the SPELAB EGR delete kit stands out: SPELAB EGR delete kit for 6.7 Cummins Features High-Quality Materials:The SPELAB EGR delete kit is made from top-quality materials, ensuring durability and long-lasting performance. The kit includes all necessary components for a complete installation. Enhanced Performance:Removing the EGR system improves engine efficiency and power. The SPELAB kit is designed to maximize these benefits, providing a noticeable boost in performance. Improved Fuel Efficiency:By eliminating the EGR system, your truck's engine can operate more efficiently, leading to better fuel economy. Customer Reviews and Testimonials:SPELAB's EGR delete kit has received positive feedback from numerous customers. Many users have reported significant improvements in their truck's performance and reliability. Customer Testimonials: "After installing the SPELAB EGR delete kit, my 2016 Ram 6.7L Cummins runs smoother and has more power. Fuel efficiency has also improved!" - John D. "The SPELAB kit was easy to install and came with everything I needed. Highly recommend it for anyone looking to delete their EGR." - Sarah M. Investing in the SPELAB EGR delete kit for your 6.7 Cummins ensures you get a reliable, high-performance upgrade that enhances your truck's capabilities. With the product benefits highlighted, let's address common troubleshooting issues and frequently asked questions. 9. Troubleshooting and FAQs for Cummins EGR Delete Even with a high-quality kit like SPELAB's EGR delete kit for 6.7 Cummins, you might encounter some issues "How to delete EGR 6.7 Cummins" during or after installation. Here are some common troubleshooting tips and frequently asked questions to help you out. Common Issues and Solutions Issue: Engine Warning Light Solution:Ensure all sensors are properly disconnected and any required dummy connectors are installed. Double-check all electrical connections. Issue: Exhaust Leak Solution:Inspect all exhaust connections and clamps. Ensure everything is tight and properly aligned. Use a flashlight to spot any gaps or misalignments. Issue: Poor Performance Post-Tuning Solution:Verify that the correct tuning file was used and that the bypass cable was installed correctly. Ensure the truck's battery was fully charged during the tuning process. FAQ Q1: Is it legal to perform an EGR delete on my 2013-2018 Dodge Ram 6.7L Cummins? A1: EGR deletes may not be legal in all areas. Always check your local emissions laws and regulations before performing an EGR delete. Q2: What do I need to install the SPELAB EGR delete kit? A2: Basic tools required include screwdrivers, wrenches, pry bars, and electrical connectors. The SPELAB kit comes with all necessary components for the installation. Q3: How long does it take to install the EGR delete kit myself? A3: The installation process can take several hours, depending on your mechanical skill level. It's recommended to set aside a full day for the installation. Q4: Will deleting the EGR system void my truck's warranty? A4: Modifying your truck's emissions system, including performing an EGR delete, can void the manufacturer's warranty. Check with your dealer before proceeding. Q5: Can I install the EGR delete kit myself? A5: Yes, the SPELAB kit is designed for DIY installation and comes with detailed instructions. However, if you're not comfortable working on your truck, consider hiring a professional. Q6: What are the benefits of an EGR delete? A6: Benefits include improved engine performance, better fuel efficiency, and reduced carbon buildup. The SPELAB EGR delete kit is specifically designed to enhance these aspects. Q7: Do I need to tune my truck after installing the EGR delete kit? A7: Yes, tuning is essential after performing an EGR delete to ensure the truck operates correctly and to optimize performance. The EFI Live tuning option is recommended. Q8: Will the EGR delete kit affect my truck's fuel economy? A8: Yes, removing the EGR system can improve fuel efficiency as the engine runs more efficiently without the recirculated exhaust gases. Q9: Can I revert the EGR delete if needed? A9: Yes, the process is reversible. However, it will require reinstalling the original EGR components and retuning the truck. Q10: What should I do if I encounter an engine warning light after the EGR delete? A10: Double-check all sensor connections and ensure dummy connectors are installed where needed. If the issue persists, consult the SPELAB support team or a professional mechanic.