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ChipPower CRS 200010591

ChipPower CRS Performance Chip User Manual

Model: CRS 200010591 for PT Cruiser 2.2 CRD (2000-2010 Diesel)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your ChipPower CRS Performance Chip. The CRS module is designed to optimize the performance of your PT Cruiser 2.2 CRD diesel engine, enhancing power and torque output. Please read this manual thoroughly before installation and use to ensure proper function and safety.

The ChipPower CRS module is a plug-and-play tuning solution that connects to your vehicle's common rail system. It is specifically calibrated for the PT Cruiser 2.2 CRD diesel engine models manufactured between 2000 and 2010.

2. Safety Information

- Always ensure the vehicle's ignition is off and the engine is cool before beginning any installation or maintenance.
- Disconnect the vehicle's battery before working on electrical components to prevent electrical shock or damage.
- Ensure all connections are secure and properly seated to prevent disconnections during vehicle operation.
- Route all wiring away from hot engine components, moving parts, and sharp edges to prevent damage to the cables.
- Do not attempt to modify the ChipPower CRS module. Unauthorized modifications will void the warranty and may cause damage to your vehicle.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.

3. Package Contents

Verify that all items listed below are present in your package:

- ChipPower CRS Performance Chip Module
- Vehicle-specific wiring harness with connectors
- Cable ties for securing wiring

- Instruction manual (this document)



Figure 3.1: Contents of the ChipPower CRS Performance Chip package.

4. Specifications

Feature	Detail
Model	CRS
Part Number	200010591
Compatibility	PT Cruiser 2.2 CRD (2000-2010 Diesel)
Module Dimensions (approx.)	110 mm (Length) x 70 mm (Width) x 37 mm (Height)
Harness Length (approx.)	1000 mm
Manufacturer	ChipPower



Figure 4.1: Detailed dimensions of the ChipPower CRS module and its wiring harness.

5. Setup and Installation

Follow these steps carefully to install your ChipPower CRS Performance Chip. Refer to the images for visual guidance.

1. **Preparation:** Ensure your vehicle's engine is turned off and has cooled down. Open the hood and locate the common rail pressure sensor on your engine. This sensor is typically found on the fuel rail.
2. **Disconnect Original Connector:** Carefully disconnect the original electrical connector from the common rail pressure sensor.
3. **Connect ChipPower Harness:** Take the ChipPower CRS wiring harness. Connect one end of the harness to the vehicle's original common rail pressure sensor. Connect the other end of the harness to the original vehicle connector that you just removed. Ensure both connections click securely into place.

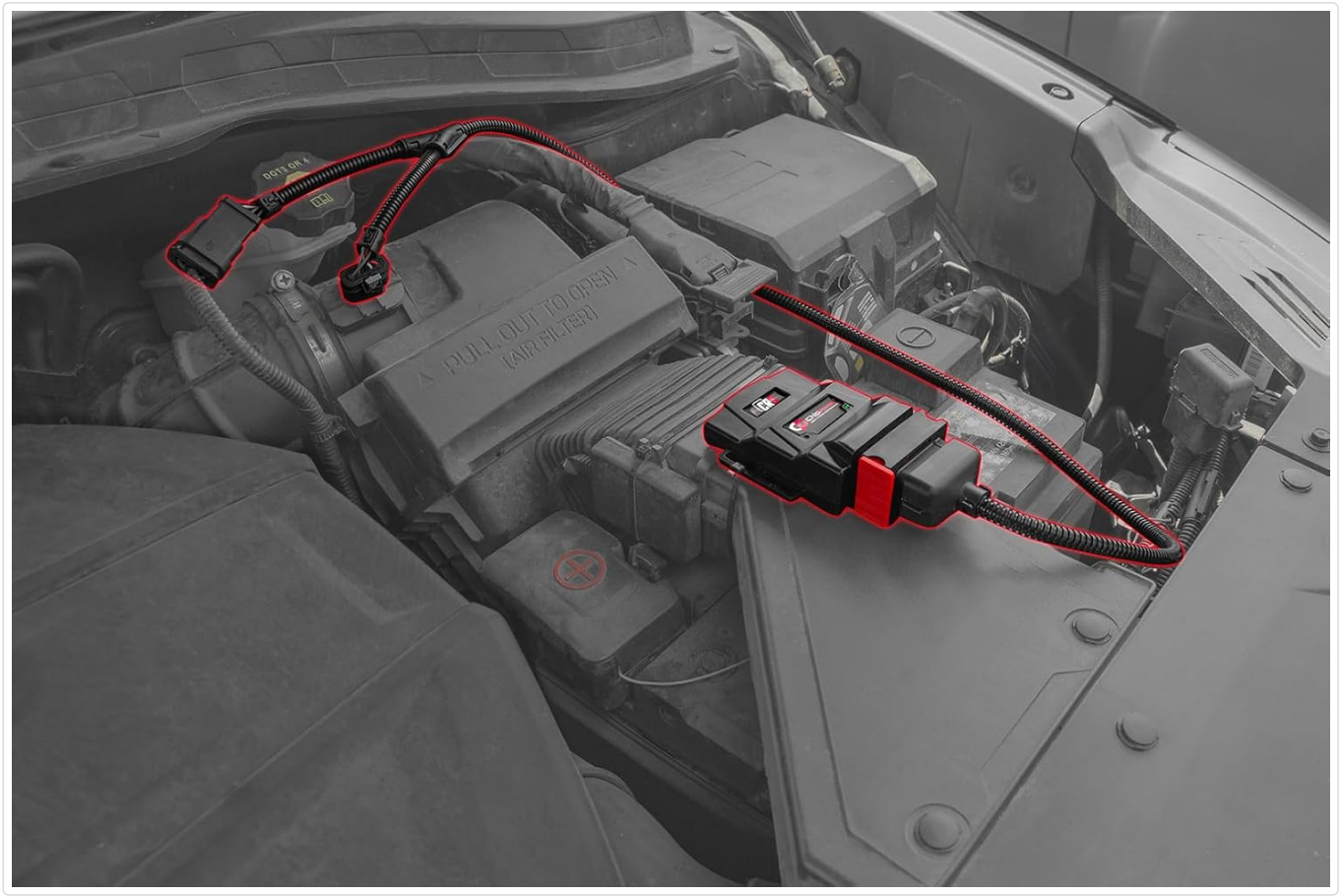

Figure 5.1: General overview of the ChipPower CRS module and harness connected within the engine bay.



Figure 5.2: Step-by-step illustration of how to securely connect the harness connectors until they click.

4. **Mount the Module:** Find a suitable, secure location in the engine bay to mount the ChipPower CRS module. Ensure it is away from excessive heat, moving parts, and moisture. Use the provided cable ties to secure the module and neatly route any excess wiring.
5. **Verify Installation:** Double-check all connections to ensure they are firm and correctly installed. Ensure no wires are pinched or exposed to potential damage.



Figure 5.3: The compact size of the ChipPower CRS module, making it easy to find a mounting location.



Figure 5.4: The ChipPower CRS module is individually tuned for specific vehicle models, ensuring optimal performance.

6. Operating Instructions

The ChipPower CRS Performance Chip is designed for 'Plug&Drive' operation, meaning it begins functioning automatically once installed. There are minimal user interactions required after initial setup.

- **Power On:** Once installed, turn on your vehicle's ignition. The green LED indicator on the CRS module should illuminate, indicating it is powered and active.
- **Performance Adjustment:** The CRS module comes pre-tuned for your specific vehicle. However, it features a fine-tuning screw that allows for minor adjustments to the performance characteristics.



Figure 6.1: Location of the adjustment screw on the ChipPower CRS module. Turning clockwise increases performance, counter-clockwise decreases it.

- To adjust, use a small screwdriver to gently turn the screw. Turning clockwise generally increases performance, while turning counter-clockwise reduces it.
- Make small adjustments and test the vehicle's performance before making further changes. Avoid extreme adjustments.

7. Maintenance

The ChipPower CRS Performance Chip is designed to be maintenance-free. However, periodic checks are recommended:

- **Connection Check:** Periodically inspect all electrical connections to ensure they remain secure and free from corrosion.
- **Wiring Inspection:** Check the wiring harness for any signs of wear, fraying, or damage. Ensure it remains properly routed and secured.
- **Module Cleanliness:** Keep the module clean and free from excessive dirt or debris. Use a dry cloth to wipe it down if necessary.

8. Troubleshooting

If you encounter issues with your ChipPower CRS module, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Module LED not lit	No power to the module; loose connection.	Check all connections to ensure they are fully seated. Ensure the vehicle's ignition is on.
No noticeable performance change	Incorrect installation; module setting too low.	Re-check installation steps. Adjust the fine-tuning screw slightly clockwise (refer to Section 6).
Engine warning light illuminates	Module setting too high; vehicle fault.	Adjust the fine-tuning screw slightly counter-clockwise. If the light persists, disconnect the module and check if the warning light clears. If it does not, consult a mechanic.
Rough idling or hesitation	Module setting too high or incompatible.	Adjust the fine-tuning screw slightly counter-clockwise. If the issue persists, disconnect the module and contact support.

If you are unable to resolve an issue using this guide, please contact ChipPower customer support.

9. Warranty and Support

For information regarding the product warranty, please refer to the official ChipPower website or the warranty card included with your purchase. Keep your proof of purchase for warranty claims.

For technical support, installation assistance, or any other inquiries, please contact ChipPower customer service through their official website or the contact information provided in your product documentation.

Website: www.chippower.co.uk (Example, please refer to actual product documentation for correct URL)

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