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ChipPower GS1

ChipPower GS1 Tuning Box Instruction Manual

For BMW Z4 E85/E86 2.2 2.5 3.0 i/Si (2003-2009)

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ChipPower GS1 Tuning Box. This device is designed to optimize engine performance and fuel efficiency for compatible BMW Z4 E85/E86 models. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Safety Information

- The ChipPower GS1 Tuning Box includes an engine protection function to safeguard your vehicle's engine.
- Installation of this device does not void your vehicle's warranty.
- Upon removal of the device, your vehicle will revert to its original factory settings.
- Always ensure the vehicle's ignition is off and the engine is cool before attempting installation or removal.
- 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 GS1 Tuning Box
- Special vehicle-specific cable with quick connection fittings
- Instruction manual (in 12 languages)
- Cable ties for secure installation



Image 3.1: Contents of the ChipPower GS1 Tuning Box package, including the module, cables, ties, and manual.

4. Setup and Installation

The ChipPower GS1 Tuning Box is designed for quick and straightforward installation without the need for specialized tools or cutting wires. It is compatible with gasoline (GPL) engines and certain diesel engines.

4.1. Pre-Installation Steps

- Ensure your vehicle is turned off and the engine is cool.
- Locate the engine compartment where the tuning box will be connected.
- Identify the specific sensor connection points for your BMW Z4 E85/E86 model, as detailed in the included vehicle-specific instructions.



Image 4.1: The ChipPower GS1 module and accompanying instructions, emphasizing the need to provide specific vehicle details (model, engine size, engine power, year of manufacture) for individual tuning.

4.2. Connecting the Module

- Connect the vehicle-specific cable to the ChipPower GS1 Tuning Box. Ensure the connection is secure and you hear a 'click' if applicable.
- Locate the corresponding sensor in your engine compartment.
- Disconnect the original sensor plug and connect the ChipPower cable in between, creating a bypass. The quick connection fittings are designed for this purpose.
- Secure the module and cables using the provided cable ties to prevent movement or contact with hot engine parts.



Image 4.2: Detailed view of the quick connection process for the ChipPower GS1 Tuning Box, showing how the module integrates with existing sensor wiring.

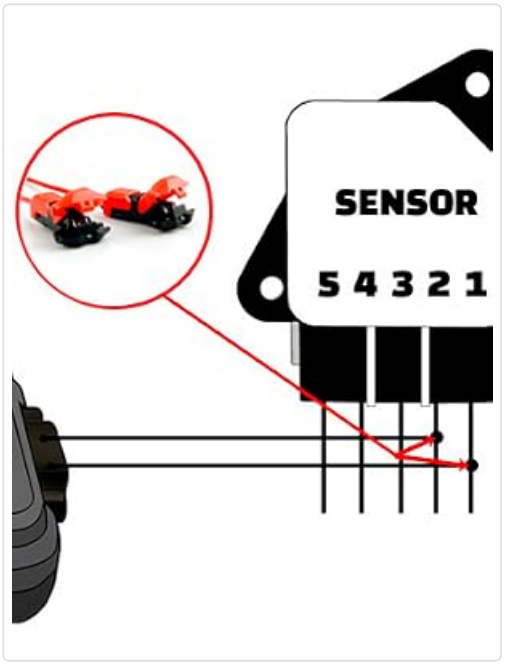

Image 4.3: Visual representation of the quick installation process, highlighting the ease of connecting the module.



Image 4.4: Close-up of the quick connection cable, designed for easy and secure attachment without modifications to original wiring.



Image 4.5: The ChipPower GS1 module shown in a vehicle interior, indicating compatibility with DPF/GPF systems and all types of gearboxes (manual and automatic).



Image 4.6: Step-by-step visual guide demonstrating the simple connection of the ChipPower GS1 module by hand.



Image 4.7: The compact size of the ChipPower GS1 module, easily held in one hand, indicating its discreet installation potential.



Image 4.8: The ChipPower GS1 module, indicating its adjustable nature for fine-tuning performance.



Image 4.9: Illustration confirming the ChipPower GS1's compatibility with all types of gearboxes, both manual and automatic.

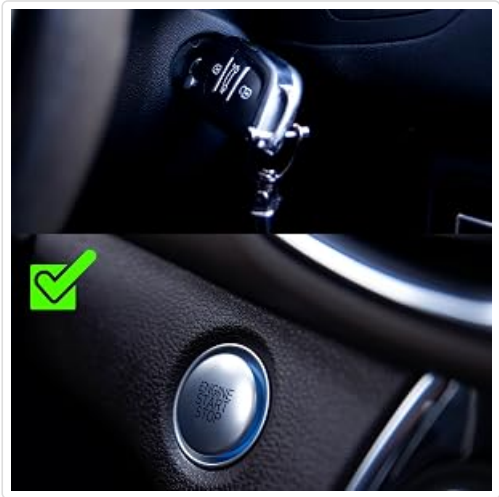

Image 4.10: Visual confirmation of the ChipPower GS1's compatibility with both traditional key ignition and modern keyless start systems.



Image 4.11: A close-up view of the ChipPower GS1 power chip module, highlighting its internal components.



Image 4.12: Another perspective of the ChipPower GS1 power chip, showcasing its design.

5. Operating Instructions

Once installed, the ChipPower GS1 Tuning Box operates automatically to optimize your engine's performance. The device is digital and ready for use immediately after installation.

5.1. Performance Adjustment

The ChipPower GS1 allows for adjustment of its performance output. Refer to the detailed vehicle-specific instructions included in your package for guidance on how to fine-tune the settings to your preference. This adjustment typically involves a small dial or switch on the module itself.

6. Maintenance

The ChipPower GS1 Tuning Box requires minimal maintenance. Ensure the module and its connections remain clean and free from debris. Periodically check the cable ties to ensure the module is securely fastened and not exposed to excessive heat or moisture.

7. Troubleshooting

- **Engine Warning Light:** If an engine warning light appears after installation, first re-check all connections to ensure they are secure. If the light persists, remove the tuning box and revert to factory settings. Contact ChipPower support for further assistance.
- **No Performance Change:** Verify that the module is correctly installed and the connections are firm. Ensure the performance setting on the module is adjusted to your desired level.
- **Reverting to Factory Settings:** To return your vehicle to its original factory settings, simply disconnect and remove the ChipPower GS1 Tuning Box and reconnect the original sensor plug.

8. Specifications

Feature	Detail
Model	GS1

Feature	Detail
Compatibility	BMW Z4 E85/E86 2.2 2.5 3.0 i/Si (2003-2009)
Engine Type	Gasoline (GPL) and select Diesel engines
Performance Increase	Up to 15% power and torque
Fuel Economy	10-15% fuel saving
Weight (item)	72 g
Package Dimensions	26 x 17.2 x 7 cm
Module Dimensions (approx.)	110 mm (L) x 70 mm (W) x 37 mm (H)
Power Source	Electric cable
Manufacturer	ChipPower
Manufacturer Part Number	260000303



Image 8.1: Technical drawing showing the dimensions of the ChipPower GS1 module and its connecting cable.



Image 8.2: The ChipPower GS1 module shown connected, illustrating its compact and integrated design.

9. Warranty and Support

ChipPower specializes in automotive tuning and stands behind the quality of its products. The GS1 Tuning Box is designed to work without affecting your vehicle's warranty. For any questions, technical assistance, or support, please refer to the contact information provided in your product packaging or visit the official ChipPower website.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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