Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

ChipPower GS2 (220104112)

ChipPower GS2 Tuning Box Instruction Manual

For Mercedes Benz S-Class S 350/450/500 W221 (2005-2013)

1. Introduction

The ChipPower GS2 Tuning Box is an engine performance enhancement module designed to optimize your vehicle's engine parameters. This device aims to increase engine power and torque, improve fuel efficiency, and reduce turbo lag. It is compatible with vehicles equipped with Diesel Particulate Filters (DPF) and Gasoline Particulate Filters (GPF), and works with both key-start and keyless-start systems, as well as all types of gearboxes.

This manual provides essential information for the safe and correct installation, operation, and maintenance of your ChipPower GS2 Tuning Box.

2. Package Contents

Please verify that all components are present in your package:

- ChipPower GS2 Tuning Box module
- Vehicle-specific connection cable
- Instruction Manual (this document)
- Cable ties for securing



Image 2.1: Contents of the ChipPower GS2 Tuning Box package.

3. Safety Guidelines

- Ensure the vehicle's engine is turned off and cooled down before beginning installation.
- Disconnect the vehicle's battery before installation to prevent electrical damage.
- Always follow the specific installation instructions provided for your vehicle model.
- The ChipPower GS2 Tuning Box includes an engine protection function designed to prevent damage.
- If you are unsure about any step, consult a qualified mechanic or contact ChipPower customer support.
- Keep the module and cables away from hot engine parts, moving components, and sharp edges.

4. Setup (Installation Guide)

Installation of the ChipPower GS2 Tuning Box is designed to be quick and straightforward, typically taking 5 to 10 minutes. The module connects to specific sensors in your engine compartment.

4.1 Pre-Installation Steps

1. Ensure the engine is off and cool.
2. Open the vehicle's hood and locate the engine compartment.
3. Identify the correct sensor for connection. The GS2 module typically connects to the IAT (Intake Air Temperature), MAP (Manifold Absolute Pressure), or MAF (Mass Air Flow) sensor. Refer to your vehicle-specific instructions or consult the provided diagrams.



Image 4.1: Example of a MAP sensor.



Image 4.2: Example of a MAF sensor.



Image 4.3: The GS2 module connects to the IAT, MAP, or MAF sensor.

4.2 Connection Steps

1. Disconnect the original sensor plug from the vehicle's sensor.
2. Connect one end of the ChipPower GS2 cable to the vehicle's sensor.
3. Connect the other end of the ChipPower GS2 cable to the original sensor plug that was disconnected from the vehicle.
4. Ensure all connections are secure and click into place.



Image 4.4: Connecting the vehicle-specific cable.



Image 4.5: Secure connection points.

4.3 Securing the Module

Once connected, position the GS2 module in a safe location within the engine compartment, away from heat, moving parts, and moisture. Use the provided cable ties to secure the module and cables, ensuring they do not interfere with any engine components.

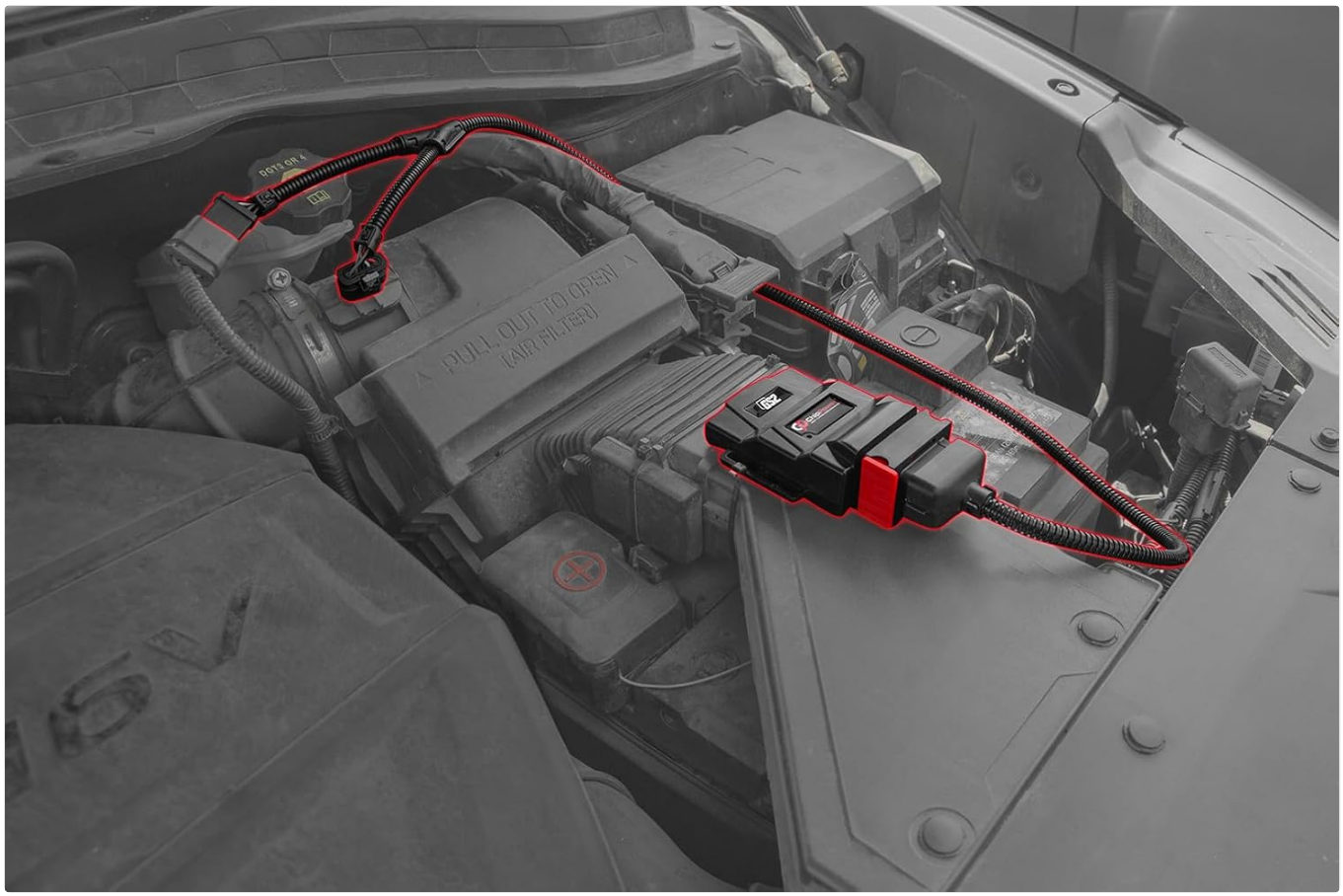


Image 4.6: Example of the module installed in the engine bay.

4.4 Adjustment (Optional)

The GS2 module may feature an adjustment screw for fine-tuning performance. If present, this allows for minor adjustments to the module's settings. Refer to specific instructions for recommended settings or consult customer support for guidance on adjustment.



Image 4.7: Adjustment screw on the GS2 module.

5. Operating Instructions

The ChipPower GS2 Tuning Box operates automatically once correctly installed. There are no user-adjustable settings required during normal operation after the initial setup. The module continuously optimizes engine parameters based on driving conditions.

Expected benefits include:

- Increased engine power and torque (up to 15%)
- Improved fuel efficiency
- Reduced turbo lag

6. Maintenance

The ChipPower GS2 Tuning Box is designed to be maintenance-free. No regular servicing or cleaning of the module is required. Ensure that the connections remain secure and the module is free from physical damage or excessive dirt accumulation during routine vehicle inspections.

7. Troubleshooting

If you experience any issues after installing the ChipPower GS2 Tuning Box, consider the following:

- **Check Connections:** Ensure all plugs are fully seated and secure. Loose connections are a common cause of issues.

- **Verify Sensor Type:** Confirm that the module is connected to the correct sensor (IAT, MAP, or MAF) as specified for your vehicle.
- **Revert to Stock:** If problems persist, disconnect the ChipPower GS2 module and reconnect the original sensor plug to return the vehicle to factory settings. This helps determine if the issue is related to the module.
- **Contact Support:** If troubleshooting steps do not resolve the issue, please contact ChipPower customer support for assistance.

8. Specifications

Feature	Detail
Model Number	GS2 (220104112)
Compatibility	Mercedes Benz S-Class S 350/450/500 W221 (2005-2013)
Performance Increase	Up to 15% power and torque
Fuel Efficiency	Improved
Turbo Lag	Eliminated
Filter Compatibility	FAP (DPF) and GPF compatible
Start System Compatibility	Key-start and keyless-start compatible
Gearbox Compatibility	Suitable for all gearbox types
Module Dimensions (approx.)	110 mm (H) x 90 mm (W) x 37 mm (D)
Cable Length (approx.)	1000 mm



Image 8.1: ChipPower GS2 module dimensions.

9. Warranty and Support

ChipPower is a European producer specializing in car tuning. The GS2 Tuning Box is designed with an engine protection function, ensuring that the installation does not void your vehicle's warranty. If the device is removed, the car's engine returns to its original factory settings.

Customer support is included with your purchase. For any questions regarding installation, operation, or troubleshooting, please contact ChipPower customer service. When contacting support, please provide your vehicle's make, model, year, and engine power to ensure accurate assistance.

For further assistance, please visit the official ChipPower website or refer to the contact information provided with your product packaging.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

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.

Submit question

Open the live page

https://manuals.plus/asin/B09YV9MBKN

More documents and user manuals: **https://manuals.plus/**