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**ChipPower GS2**

# ChipPower Performance Tuning Box GS2 User Manual

Model: GS2 | Compatible with Saab 9-3 Mk1 I 2.0T 2.3T Gasoline

## 1. Introduction

The ChipPower GS2 Performance Tuning Box is designed to optimize your vehicle's engine performance. This device increases engine power and torque, improves acceleration, and can contribute to fuel savings. It also helps to eliminate turbo lag, providing a more responsive driving experience. The GS2 is compatible with DPF/GPF systems and works with both key and keyless car starter systems, as well as all types of gearboxes.
ChipPower has been specializing in auto tuning since 2008, providing reliable and safe products. Our chip boxes are engineered with an engine protection function to ensure the safety and longevity of your vehicle's engine.

## 2. Safety Information

Your safety and the protection of your vehicle's engine are paramount. The ChipPower GS2 tuning box is equipped with an integrated engine protection function. This ensures that the device operates within safe parameters, preventing any damage to your engine. Installation of the chip box does not void your vehicle's warranty, and upon removal, the car's engine management system reverts to its factory settings.
The product complies with CE, UKCA, and RoHS safety standards.
**Always ensure the engine is turned off and the ignition is disengaged before performing any installation or adjustment procedures.**

## 3. Package Contents

Please verify that all the following items are included in your ChipPower GS2 package:

- ChipPower GS2 Tuning Box
- Dedicated Connection Cable (vehicle-specific)
- User Manual (this document)
- Zip Ties for securing cables




Image: The complete ChipPower GS2 package, showing the tuning box, the custom connection cable, zip ties, and the instruction manual.

## 4. Setup and Installation

The ChipPower GS2 is a Plug & Drive device designed for quick and simple installation, typically taking 5-15 minutes. No special tools or mechanic's workshop assistance are required. Follow these steps carefully:

1. **Locate the Sensor:** Identify the correct sensor in your car's engine bay. Depending on your car's brand and model, this will typically be the MAP (Manifold Absolute Pressure), MAF (Mass Air Flow), or IAT (Intake Air Temperature) sensor. Refer to your vehicle's specific service manual if unsure.
2. **Disconnect the Original Sensor Plug:** Carefully disconnect the original electrical plug from the identified sensor.
3. **Connect the ChipPower Cable:** Connect the dedicated ChipPower connection cable between the original sensor and the disconnected plug. The cable is designed with specific connectors to ensure a correct fit.
4. **Connect to the GS2 Tuning Box:** Plug the other end of the ChipPower connection cable into the GS2 tuning box. Ensure all connections are secure and click into place.
5. **Secure the Device and Cables:** Use the provided zip ties to secure the GS2 tuning box and all cables away from hot or moving engine parts. Ensure the device is mounted in a stable position.




Image: Installation diagram illustrating how the ChipPower GS2 connects in-line with the vehicle's sensor.

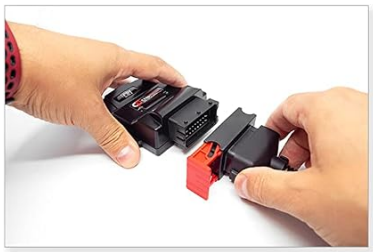











Image: Detailed view of the connection process, showing the cable being securely attached to the car's sensor.




Image: Example of a ChipPower GS2 tuning box installed within an engine bay, demonstrating proper cable routing.

## 5. Operating Instructions

Once installed, the ChipPower GS2 tuning box operates automatically. There are no additional controls or settings required for basic operation. The device will begin optimizing engine parameters as soon as the vehicle is started.

## 6. Performance Adjustment

The ChipPower GS2 features an adjustment screw that allows for fine-tuning of the performance settings. This screw is located on the side of the tuning box and can be accessed with a small screwdriver.

- Turning the screw clockwise (towards '+') increases the performance level.
- Turning the screw counter-clockwise (towards '-') decreases the performance level.

**Start with the factory default setting and make small adjustments, testing the vehicle's response after each change. Avoid extreme adjustments without understanding their impact on vehicle performance.**




Image: Close-up of the GS2 tuning box highlighting the adjustment screw for fine-tuning performance.

## 7. Maintenance

The ChipPower GS2 tuning box requires minimal maintenance. Periodically inspect the connections to ensure they remain secure and free from dirt or moisture. Ensure the device and cables are not exposed to excessive heat or physical damage.

## 8. Troubleshooting

If you experience any issues after installing the ChipPower GS2, consider the following troubleshooting steps:

- **Check Connections:** Ensure all connections between the tuning box, the dedicated cable, and the car's sensor are firm and properly seated.
- **Verify Sensor Type:** Double-check that the tuning box is connected to the correct sensor (MAP, MAF, or IAT) for your specific vehicle model.
- **Reset to Factory Settings:** If issues persist, remove the ChipPower GS2 tuning box and reconnect the original sensor plug directly. This will return your vehicle to its factory settings. If the problem resolves, contact ChipPower support for further assistance.
- **Adjustment Setting:** If performance is not as expected, try adjusting the performance screw slightly (see Section 6) to find an optimal setting.

## 9. Specifications

| Feature | Detail |
|---|---|
| Model Number | GS2 |
| Manufacturer | ChipPower |
| Compatibility | Saab 9-3 Mk1 I 2.0T 2.3T Gasoline (2001-2003) |
| Safety Ratings | CE, UKCA, RoHS |
| Installation Time | Approx. 5-15 minutes |
| Dimensions (GS2 Box) | Approx. 110 mm (L) x 90 mm (W) x 37 mm (H) |
| Cable Length | Approx. 1000 mm |




Image: Technical drawing with dimensions of the GS2 tuning box and its cable.

## 10. Warranty and Support

As a European manufacturer, ChipPower stands behind the quality of its products. The GS2 tuning box is designed with engine protection features, ensuring that its use does not invalidate your vehicle's warranty. Should you remove the device, your car's engine management system will revert to its original factory settings.
For technical support, installation guidance, or any questions regarding your ChipPower GS2 tuning box, please refer to the official ChipPower website or contact their customer service directly. Contact information can typically be found on the product packaging or the manufacturer's website.

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**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**

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