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ChipPower GS1

ChipPower GS1 Power Chip User Manual

For Volkswagen Golf Mk3 III 3 1.8 (1991-2002)

INTRODUCTION

This manual provides instructions for the installation and use of the ChipPower GS1 Power Chip, designed to optimize engine performance and fuel efficiency for Volkswagen Golf Mk3 III 3 1.8 models manufactured between 1991 and 2002. The GS1 Power Chip is a digital device intended for vehicles with a unit injector system.

SAFETY INFORMATION

- Ensure the vehicle's engine is off and cooled down before beginning installation.
- Disconnect the vehicle's battery before installation to prevent electrical issues. Reconnect after installation is complete.
- Handle all components with care. Avoid forcing connectors.
- The ChipPower GS1 Power Chip includes an engine protection function.
- If you are unsure about any step, consult a qualified mechanic.

PACKAGE CONTENTS

Verify that all items are present in your package:

- ChipPower GS1 Power Chip module
- Connection cable with quick connectors, adapted for your vehicle
- Cable ties for secure installation
- User manual (this document)



Figure 1: Contents of the ChipPower GS1 Power Chip package.

SETUP AND INSTALLATION

The ChipPower GS1 Power Chip is designed for straightforward, plug-and-play installation without the need for specialized tools or cutting wires. The device connects within the engine compartment. Each chip is individually tuned and supplied with connectors and fitting instructions specific to your engine model, engine size, engine power, and year of manufacture.



The chip is individually tuned.

We select connectors and fitting instructions exactly for your engine.

Please, provide the following details:

- **model.**
- **engine size (L or cc),**
- **engine power: (BHP, PS,CV or kW),**
- **year of manufacture.**



Figure 2: The ChipPower GS1 is individually tuned for specific vehicle parameters.

1. **Locate the Sensor:** Identify the appropriate sensor in your vehicle's engine compartment where the chip will connect. The connection cable is designed to fit specific sensors. Refer to the provided vehicle-specific instructions for the exact sensor location.



Figure 3: Example sensor connection diagram.

2. **Connect the Cable:** Attach the provided connection cable to the identified sensor. Ensure the connectors click securely into place. The installation process is designed to be simple, as shown in the visual guide below.



Figure 4: Detail of the quick connector system.



Figure 5: Step-by-step connection process.

3. **Connect the Chip Module:** Plug the ChipPower GS1 module into the other end of the connection cable. Ensure a firm connection.



Figure 6: ChipPower GS1 module connected.

4. **Secure the Module and Cables:** Use the provided cable ties to securely fasten the ChipPower GS1 module and all cables away from moving parts, heat sources, and sharp edges within the engine compartment.
5. **Reconnect Battery:** Reconnect the vehicle's battery.
6. **Verify Installation:** Start the engine and check for any warning lights. If any issues arise, refer to the Troubleshooting section.



Figure 7: ChipPower GS1 Power Chip and connector assembly.

OPERATING INSTRUCTIONS

Once installed, the ChipPower GS1 Power Chip operates automatically. It optimizes engine parameters to increase power and torque by up to 15% and can improve fuel economy by 10-15%. No further user interaction is required after installation.

The chip is compatible with various gearbox types (manual and automatic) and DPF/GPF systems.



Figure 8: Chip compatibility with DPF/GPF and various gearboxes.

MAINTENANCE

The ChipPower GS1 Power Chip requires no specific maintenance. Ensure that the module and cables remain securely fastened and free from damage during routine vehicle inspections.

TROUBLESHOOTING

- **Engine Warning Light:** If an engine warning light appears after installation, check all connections to ensure they are secure. Disconnect and reconnect the battery to reset the vehicle's ECU. If the light persists, remove the chip and consult a mechanic.
- **No Performance Change:** Verify that the chip is correctly installed and all connections are firm. Ensure the chip is compatible with your specific vehicle model and engine specifications.
- **Removing the Chip:** To revert to factory settings, simply disconnect the ChipPower GS1 module and its connection cable from the vehicle. The vehicle's original parameters will be restored automatically.

SPECIFICATIONS

Feature	Detail
Model	ChipPower GS1 Power Chip
Compatibility	Volkswagen Golf Mk3 III 3 1.8 (66 kW / 90 hp), 1991-2002
Power/Torque Increase	Up to 15%
Fuel Economy Improvement	10-15%
Installation Type	Plug-and-play, no wire cutting
Engine Protection	Integrated function
Weight	72 g
Dimensions (Module)	Approximately 110 mm (H) x 90 mm (W) x 37 mm (D)
Manufacturer Reference	260000152



Figure 9: ChipPower GS1 Power Chip dimensions.

WARRANTY AND SUPPORT

ChipPower products are designed to enhance vehicle performance without compromising engine integrity. The installation of the GS1 Power Chip does not void your vehicle's warranty, as factory settings are restored upon removal. For technical assistance or further inquiries, please refer to the contact information provided with your purchase documentation or visit the official ChipPower website.

