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ChipPower GS1

ChipPower GS1 Tuning Box Instruction Manual

For BMW 3 Series E36 (316, 318 i/is/Ti) 1990-2000



1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your ChipPower GS1 Tuning Box. Please read this manual thoroughly before installation and use to ensure proper function and safety. The ChipPower GS1 Tuning Box is designed to optimize engine performance and fuel efficiency for compatible vehicles. It is suitable for gasoline (LPG) engines and certain diesel engines.



Image 1.1: The ChipPower GS1 Tuning Box module with its connecting cable and quick connector.

2. PACKAGE CONTENTS

Upon opening the original packaging, verify that all components are present:

- ChipPower GS1 Tuning Box
- Vehicle-specific connection cable with quick connectors
- Instruction manual (available in 12 languages)
- Cable ties for secure installation



Image 2.1: Contents of the ChipPower GS1 Tuning Box package, including the module, connection cable, cable ties, and instruction manuals.

3. COMPATIBILITY

This ChipPower GS1 Tuning Box is compatible with the following vehicle models:

- **BMW 3 Series E36:** 316 i/is/Ti, 318 i/is/Ti
- **Model Years:** 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000

The module is compatible with all types of gearboxes (manual and automatic) and vehicles equipped with DPF/GPF filters.



Image 3.1: The GS1 module is compatible with DPF/GPF systems and various gearbox types, as indicated by the icons.



Image 3.2: Visual examples of compatible gearbox types, including automatic and manual transmissions.

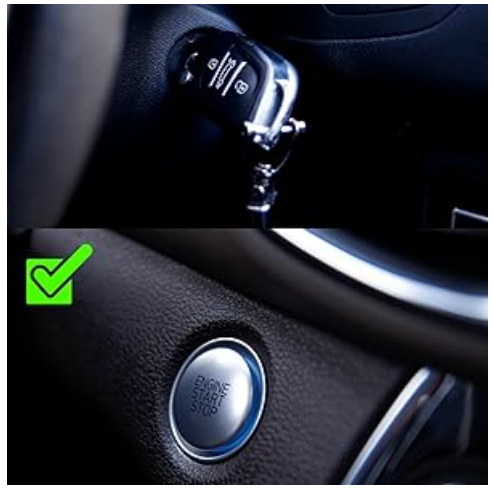


Image 3.3: Examples of compatible vehicle ignition systems, including traditional key ignition and push-button start.

4. SETUP AND INSTALLATION

The ChipPower GS1 Tuning Box is designed for quick and straightforward installation without specialized tools or the need to cut wires. It connects directly into the engine compartment.

4.1 Pre-Installation Steps

1. Ensure the vehicle's engine is turned off and cool.
2. Locate the appropriate sensor in your engine compartment for connection. Refer to the vehicle-specific instructions provided in your package.

4.2 Connecting the Module

1. Identify the vehicle's sensor connector.
2. Disconnect the original sensor connector.
3. Connect one end of the ChipPower GS1 cable to the vehicle's sensor.
4. Connect the other end of the ChipPower GS1 cable to the disconnected original sensor connector.
5. Connect the main ChipPower GS1 module to the cable. Ensure all connections click securely into place.



Image 4.1: Detailed view of the quick connectors used for installation, showing the male and female ends.



Image 4.2: A visual guide demonstrating the secure connection process of the module to the cable, ensuring a firm 'click'.

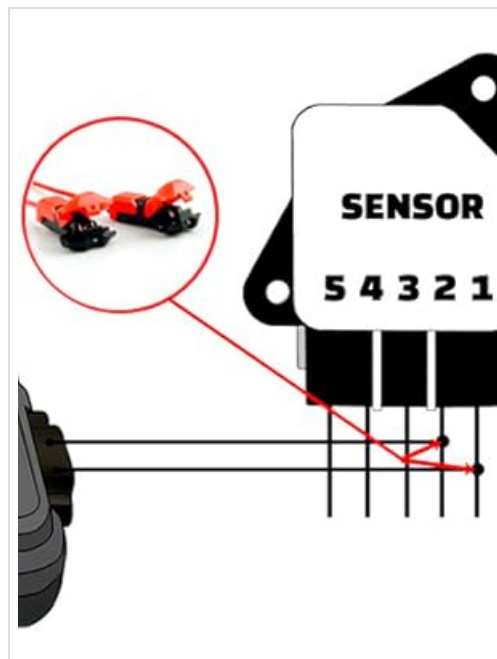


Image 4.3: Schematic diagram illustrating how the ChipPower GS1 connects to the vehicle's sensor wiring.



Image 4.4: Visual comparison showing the correct type of quick connector to use for installation versus an incorrect type.

4.3 Securing the Module

Once connected, use the provided cable ties to secure the ChipPower GS1 module and its cables in a safe location within the engine compartment, away from moving parts or excessive heat.

5. OPERATING INSTRUCTIONS

The ChipPower GS1 Tuning Box is a digital device that is ready for use immediately after installation. It operates by optimizing engine parameters to achieve increased power and torque, along with improved fuel economy.

5.1 Performance Adjustment

The GS1 module allows for adjustment of its performance output. Refer to the specific instructions included in your package for details on how to adjust the settings to match your preferences. This adjustment typically involves a dial or switch on the module itself.

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.

HYUNDAI CRETA 2.0 110kW 1500ps

PDF

www.chippower.co

Image 5.1: The ChipPower GS1 module, highlighting its individually tuned nature and the availability of specific fitting instructions.

6. MAINTENANCE

The ChipPower GS1 Tuning Box requires minimal maintenance. Periodically check the connections to ensure they remain secure and free from corrosion or damage. Keep the module clean and dry.

6.1 Removal

If you wish to remove the tuning box, simply disconnect it from the vehicle's wiring. Once removed, the vehicle's engine control unit (ECU) will revert to its factory settings without any lasting changes.

7. TROUBLESHOOTING

If you encounter any issues after installing the ChipPower GS1 Tuning Box, consider the following:

- **No noticeable change in performance:** Verify that all connections are secure and properly seated. Ensure the module's performance setting is adjusted as desired.
- **Engine warning light:** Double-check all connections. If the light persists, remove the tuning box and see if the issue resolves. Contact customer support if the problem continues.
- **Rough idling or unusual engine behavior:** Immediately remove the tuning box and revert to factory settings. Re-install carefully, ensuring all steps are followed. If the issue persists, consult a qualified mechanic.

For further assistance, refer to the contact information in the Support section.

8. SPECIFICATIONS

| Feature | Specification |
|--------------------------|---|
| Model | GS1 |
| Brand | ChipPower |
| Compatibility | BMW 3 Series E36 (316, 318 i/is/Ti) 1990-2000 |
| Engine Types | Gasoline (LPG), select Diesel engines |
| Installation Type | Plug-and-Play (Mounting on socket) |
| Output Type | Digital |
| Performance Increase | Up to 15% power and torque |
| Fuel Economy Improvement | 10% to 15% |
| Weight | 72 Grams |
| Dimensions (Module) | Approx. 90mm (L) x 70mm (W) x 37mm (H) |
| Measurement Range | 600 - 7000 U/min (RPM) |
| Max Rated Temperature | 100 Degrees Celsius |



Image 8.1: The ChipPower GS1 module held in a hand, illustrating its compact size.



Image 8.2: Technical diagram showing the dimensions of the ChipPower GS1 module and its connecting cable.

9. WARRANTY AND SAFETY

ChipPower tuning boxes are designed with an engine protection function. Installation of the GS1 module will increase engine power without voiding your vehicle's warranty. Upon removal, the vehicle will revert to its original factory settings.

ChipPower specializes in automotive tuning, ensuring product quality and reliability.

10. SUPPORT

For technical assistance, installation queries, or troubleshooting, please refer to the contact information provided in your product packaging or visit the official ChipPower website.

