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ChipPower CS1

ChipPower CS1 Performance Chip User Manual

For Lexus LS 400 (XF10) 180 kW 245 HP (1989-1995) Gasoline Models

1. Introduction

The ChipPower CS1 Performance Chip is an electronic device designed to optimize engine performance in compatible vehicles. This manual provides essential information for the proper installation, operation, and maintenance of your CS1 chip, ensuring safe and effective use.
This device is specifically compatible with Lexus LS 400 (XF10) 180 kW 245 HP gasoline models manufactured between 1989 and 1995.

2. Safety Information

- 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. Reconnect only after installation is complete.
- Always follow the specific installation instructions provided with your product.
- Do not attempt to modify the chip box or its wiring. Unauthorized modifications can void the warranty and cause damage.
- The ChipPower CS1 operates within the manufacturer's performance limits and includes an engine protection function.
- If you are unsure about any step of the installation process, consult a qualified mechanic or contact ChipPower technical support.

3. Package Contents

Verify that all items listed below are present in your package:

- ChipPower CS1 Chip Box (in protective cover)
- Connection Cable with Quick Splice Connectors
- User Manual (this document)
- 4 Zip Ties



Image: Contents of the ChipPower CS1 package, showing the chip box, connection cable, user manual, and zip ties.

4. Setup and Installation

The installation of the ChipPower CS1 is designed to be straightforward and does not require specialized tools or a mechanic. Follow these steps carefully:

1. **Prepare the Vehicle:** Ensure your vehicle's engine is off and has cooled down. Disconnect the negative terminal of the car battery.
2. **Locate the Sensor:** Identify the correct sensor in your engine compartment where the chip will be connected. Refer to the specific installation diagram provided with your product for your Lexus LS 400 (XF10).
3. **Connect the Cable:** Use the provided connection cable with quick splice connectors. These connectors allow for a secure connection without cutting wires. Ensure the connection is firm and correct.

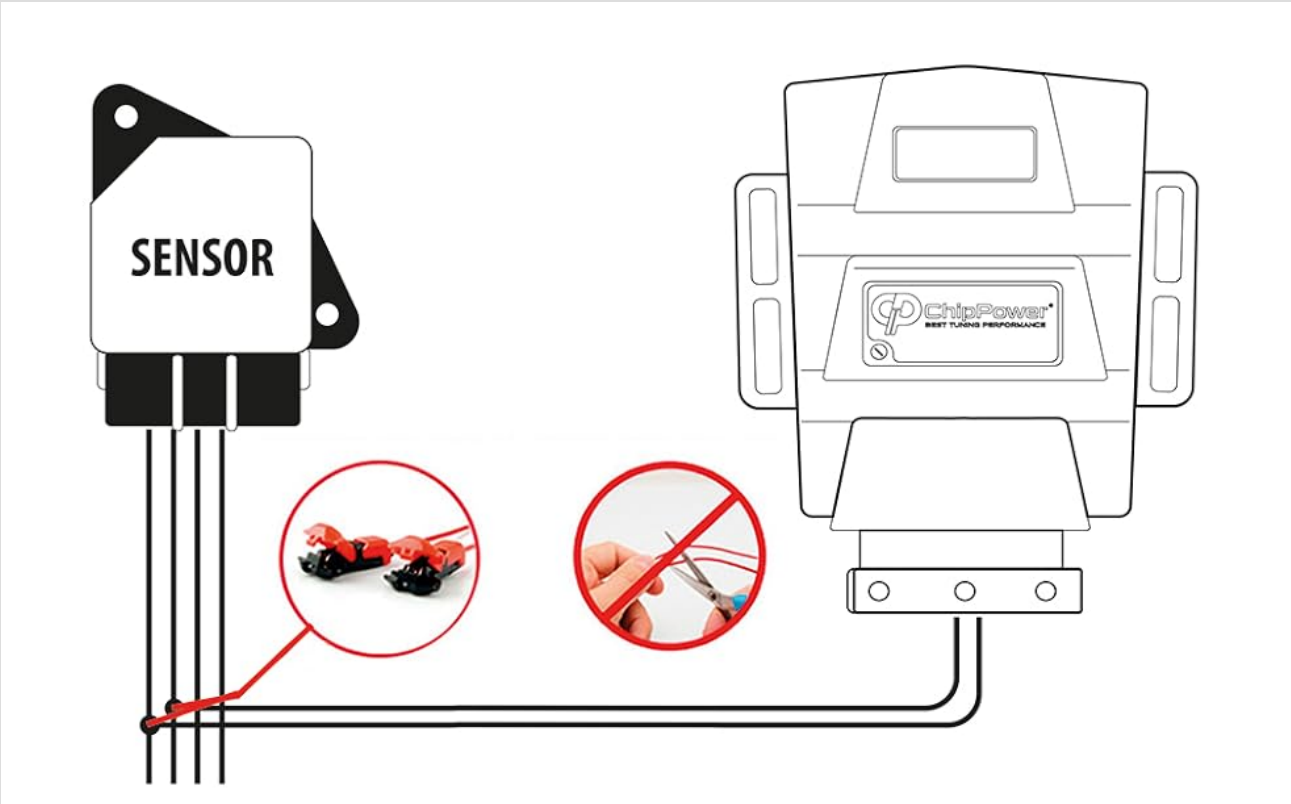


Image: Installation diagram illustrating the connection of the ChipPower CS1 to a vehicle sensor using quick splice connectors, emphasizing no wire cutting is required.

4. **Secure the Chip Box:** Once the cable is connected to the sensor, plug the other end into the ChipPower CS1 box. Use the provided zip ties to secure the chip box and excess cabling in a safe location away from heat, moving parts, and moisture.



Image: The ChipPower CS1 chip box with its connected cable, ready for securing in the engine bay.

5. **Reconnect Battery:** Reconnect the negative terminal of the car battery.
6. **Initial Drive:** The device reaches full efficiency after approximately 200 kilometers of driving.

Important: The quick splice connectors are designed for easy and secure connection. Ensure they are properly closed to establish a reliable electrical contact.



Image: Close-up view of the quick splice connectors, demonstrating their design for professional, quick, and secure connections without cutting wires.

5. Operating Instructions

Once correctly installed, the ChipPower CS1 operates automatically. It continuously optimizes engine parameters to enhance performance and fuel efficiency.

- The chip works by modifying signals from various sensors, leading to increased torque (up to 15-20%) and potential fuel savings (10-15%).
- You may notice improved acceleration and a more responsive throttle.
- The device reaches its full operational efficiency after approximately 200 kilometers of driving as it adapts to your vehicle's specific characteristics.

6. Adjustment

The ChipPower CS1 is fully adjustable, allowing you to fine-tune its performance to your preference. To adjust the chip:

1. Locate the adjustment screw on the chip box.
2. Using a small screwdriver, carefully turn the screw to increase or decrease the performance setting.
3. Make small adjustments and test the vehicle's performance to find your desired setting.



Image: The ChipPower CS1 chip box showing the adjustment port and a screwdriver, indicating how to fine-tune the device's settings.

7. Maintenance

The ChipPower CS1 is designed for maintenance-free operation. However, consider the following:

- Periodically check the connections to ensure they remain secure.
- Keep the chip box clean and free from excessive dirt or moisture.
- Do not open the chip box, as this may void the warranty.

8. Troubleshooting

If you experience any issues after installing the ChipPower CS1, consider the following:

- **No noticeable change in performance:**
  - Ensure all connections are secure and properly made.
  - Verify that the chip is correctly adjusted (refer to Section 6).
  - Remember that full efficiency is reached after approximately 200 kilometers of driving.
- **Engine warning light:**
  - Double-check all connections.
  - If the issue persists, remove the chip and return the vehicle to factory settings. If the warning light disappears, contact technical support.
- **Vehicle returns to factory settings after removal:** This is normal behavior. The chip does not permanently alter your vehicle's ECU.

For further assistance, please contact ChipPower technical support.

9. Specifications

Brand	ChipPower
Model	CS1
Compatible Vehicle	Lexus LS 400 (XF10) 180 kW 245 HP (1989-1995) Gasoline
Manufacturer Part Number	260000478
Item Weight	72 g
Parcel Dimensions	26 x 17.2 x 7 cm



Image: Technical drawing showing the dimensions of the ChipPower CS1 chip box (88mm x 60mm x 21mm) and the length of its cable (1000mm).

10. Warranty and Support

ChipPower products are designed with quality and reliability in mind.

- **Engine Protection:** The CS1 chip includes an engine protection function, ensuring safe operation within the manufacturer's performance reserves. Installation does not void your vehicle's warranty.
- **Technical Support:** Comprehensive technical support is included with your purchase. If you have any questions or require assistance with installation or operation, please contact ChipPower customer service.
- **Returns:** Upon removal, the vehicle will return to its factory settings, leaving no trace of the chip's presence.

For contact information, please refer to the packaging or the official ChipPower website.

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