Laser 5091

Laser 5091 OBDII/EOBD Code Reader & Reset Tool User Manual

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your Laser 5091 OBDII/EOBD Code Reader & Reset Tool. This device is designed to assist in diagnosing vehicle issues by reading and clearing diagnostic trouble codes (DTCs), viewing live data, and performing other essential diagnostic functions for OBDII/EOBD compliant vehicles.

2. PRODUCT FEATURES

The Laser 5091 offers a range of functionalities to simplify vehicle diagnostics:

- **Multi-lingual Settings:** Supports Dutch, English, French, German, Hungarian, Italian, Polish, Portuguese, Spanish, and Swedish. Additional languages may be downloadable.
- **EOBD Fault Code Clearing:** Capable of clearing EOBD fault codes and resetting engine lights.
- **CAN Protocol Support:** Compatible with CAN protocol for EOBD compliant vehicles (petrol from 2001, diesel from 2004).
- **Freeze Frame Data Retrieval:** Accesses freeze frame data, which records vehicle conditions at the time a fault code was set.
- **Live Sensor Data:** Reads, records, and plays back live sensor data for real-time monitoring.
- **Large Screen Display:** Features a large screen for improved viewing of data and graphical representations.
- **Internal Memory:** Allows for saving and reviewing diagnostic data off the vehicle.
- **P1xxx Code Library:** Includes an internal library of manufacturer-specific P1xxx codes.
- **Compliance:** CE & UKCA compliant.

3. DEVICE OVERVIEW

The Laser 5091 features an intuitive interface with a clear display and tactile buttons for navigation and

function selection.

Figure 1: Front view of the Laser 5091 OBDII/EOBD Code Reader, showing the display screen, navigation buttons, and function keys such as READ, ERASE, I/M, BACK, HELP, and ENTER.

The device is equipped with a durable casing and a standard OBDII connector cable for direct connection to your vehicle's diagnostic port.

Figure 2: The Laser 5091 device, illustrating its compact design and the integrated OBDII connector cable.

4. GETTING STARTED (SETUP)

Follow these steps to prepare your Laser 5091 for use:

1. **Locate the OBDII Port:** The OBDII (On-Board Diagnostics II) port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual if you cannot find it.

2. **Connect the Tool:** With the vehicle's ignition off, firmly plug the Laser 5091's OBDII connector into the vehicle's OBDII port.

3. **Power On:** Turn the vehicle's ignition to the 'ON' position (do not start the engine). The code reader will automatically power on and establish communication with the vehicle's onboard computer.

4. **Language Selection:** If prompted, select your preferred language from the multi-lingual menu options.

5. BASIC OPERATION

Once connected, the main menu will appear. Use the arrow keys to navigate and the ENTER button to select options.

5.1. Reading Diagnostic Trouble Codes (DTCs)

1. From the main menu, select **'Diagnostics'** or **'Read Codes'**.

2. The tool will scan the vehicle's systems for stored, pending, and permanent DTCs.

3. Codes will be displayed on the screen. Use the arrow keys to scroll through them. Each code typically includes a description.

5.2. Erasing Diagnostic Trouble Codes (DTCs)

Warning: Clearing DTCs will also clear freeze frame data and reset monitor status. Ensure you have recorded all necessary information before proceeding. Clearing codes does not fix the underlying problem.

1. After reading codes, select **'Erase Codes'** or **'Clear DTCs'** from the menu.

2. Confirm your selection when prompted.

3. The tool will clear the codes and turn off the Malfunction Indicator Lamp (MIL), also known as the 'Check Engine' light.

5.3. Viewing Live Data

1. Select **'Live Data'** from the main menu.

2. The tool will display real-time sensor data from the vehicle's engine control unit (ECU). This can include engine RPM, vehicle speed, oxygen sensor readings, coolant temperature, and more.

3. Use the arrow keys to scroll through different data parameters. Some parameters may be displayed graphically.

5.4. I/M Readiness Status

I/M (Inspection/Maintenance) Readiness indicates whether the various emissions-related systems on the vehicle are operating correctly and have completed their self-tests. This is often required for emissions testing.

1. Select **'I/M Readiness'** from the main menu.

2. The tool will display the status of each monitor (e.g., O2 Sensor Monitor, Catalyst Monitor). A 'Ready' status indicates the test is complete.

5.5. DTC Lookup

If you encounter a code that is not automatically described, you can use the DTC Lookup function.

1. Select **'DTC Lookup'** from the main menu.
2. Manually enter the diagnostic trouble code using the device's buttons.
3. The tool will provide a generic description of the code.

6. MAINTENANCE

Proper care ensures the longevity and reliability of your Laser 5091 tool.

- **Cleaning:** Use a soft, dry cloth to clean the device. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tool in a clean, dry environment, away from extreme temperatures and direct sunlight.
- **Cable Care:** Avoid bending or twisting the OBDII cable excessively. Inspect the cable and connector for damage before each use.

7. TROUBLESHOOTING

If you encounter issues with your Laser 5091, refer to the following common problems and solutions:

- **Tool Does Not Power On:**
  - Ensure the OBDII connector is firmly plugged into the vehicle's port.
  - Verify the vehicle's ignition is in the 'ON' position.
  - Check the vehicle's fuse for the OBDII port (consult your vehicle's manual).

- **Communication Error:**
  - Confirm the vehicle is OBDII/EOBD compliant (petrol vehicles from 2001, diesel from 2004).
  - Ensure the ignition is 'ON' and the engine is off.
  - Try connecting to a different OBDII compliant vehicle to rule out a vehicle-specific issue.
  - Inspect the OBDII cable and connector for any damage.

- **Codes Not Clearing:**
  - Ensure the underlying fault has been repaired. If the fault persists, the code will reappear.
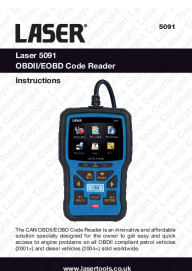 - Follow the 'Erasing Diagnostic Trouble Codes' procedure carefully.

8. SPECIFICATIONS

Specification	Detail
Brand	Laser
Model Number	5091
Item Weight	1.1 pounds
Product Dimensions	1.97 x 6.93 x 10.31 inches
Power Source	Corded Electric (via OBDII port)
Manufacturer	The Tool Connection Ltd

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Laser Tools website. Keep your proof of purchase for warranty claims.

Related Documents - 5091

	[Laser 5091 OBDII/EOBD Code Reader User Manual](#) Comprehensive user manual for the Laser 5091 OBDII/EOBD Code Reader, covering setup, operation, diagnosis, updating, printing, and troubleshooting for DIYers. Learn how to connect, read codes, view live data, and maintain your device.
	[Laser 5091 OBDII/EOBD Code Reader User Manual](#) Comprehensive instructions for the Laser 5091 OBDII/EOBD Code Reader, covering its features, operations, and system setup for efficient vehicle diagnostics.
	[Laser 5089 OBDII/EOBD Code Reader User Manual](#) Comprehensive user manual for the Laser 5089 OBDII/EOBD Code Reader. Learn about its features, safety precautions, diagnostic functions, updates, and troubleshooting for efficient vehicle diagnostics.
	[Laser 5089 OBDII/EOBD Code Reader User Manual](#) User manual for the Laser 5089 OBDII/EOBD Code Reader, covering features, safety, operation, diagnosis, updates, and troubleshooting for DIY vehicle diagnostics.
	[LASER 7728 OBDII/EOBD Fault Code Reader - User Manual](#) Comprehensive user manual for the LASER 7728 OBDII/EOBD Fault Code Reader, detailing features, operating instructions, diagnostic trouble codes, and warranty information.
	[LASER OBDII/EOBD Code Reader (00-) User Manual and Instructions](#) User manual for the LASER OBDII/EOBD Code Reader (00-), providing instructions on its features, operation, safety precautions, and troubleshooting. Covers reading and clearing DTCs, viewing datastream and freeze data, I/M readiness status, vehicle information, and updating the device.