

Bosch 1150

Bosch OBD 1150 Trilingual Scan Tool User Manual

Model: 1150

1. INTRODUCTION

The Bosch OBD 1150 Trilingual Scan Tool is a diagnostic device designed for use on all 1996 and newer import and domestic vehicles (OBD II & CAN compliant), as well as 1994 and 1995 OBD II compliant vehicles. This tool provides comprehensive vehicle data to assist in diagnosing and resolving automotive issues.

Key features include:

- Over 15,000 generic and manufacturer-specific Diagnostic Trouble Code (DTC) definitions.
- Live real-time data with over 300 possible data PIDs (depending on vehicle).
- Ability to record and playback live data.
- Graphing of live data.
- ABS codes and definitions for most 1996-2013 GM, Ford, Chrysler, Toyota, Honda, Nissan, and Hyundai vehicles.
- AutoID feature for automatic vehicle identification (VIN#, make, model, year) for most 2000 and newer vehicles.
- Enhanced Engine and Transmission Codes.
- Read and erase DTCs, reset MIL, and turn off the Check Engine light.
- Battery, Alternator, and Charging System Monitor.
- Trilingual menu and code definitions (English, Spanish, French).
- Component Locator for text-based descriptions of component locations.
- Color display and ergonomic design for ease of use.
- Updateable via USB port.

2. SETUP

Follow these steps to prepare your Bosch OBD 1150 Scan Tool for use:

1. **Locate the OBD-II Port:** The OBD-II port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's service manual if you cannot locate it.

2. **Connect the Scan Tool:** Plug the scan tool's OBD-II connector firmly into the vehicle's OBD-II port. Ensure a secure connection.



Image 2.1: Standard location of a vehicle's OBD-II diagnostic port.

3. **Power On the Vehicle:** Turn the vehicle's ignition to the 'ON' position without starting the engine. The scan tool will power on automatically.
4. **Select Language (if prompted):** If this is the first use or after a reset, the tool may prompt you to select your preferred language (English, Spanish, or French). Use the navigation buttons to select and press 'ENTER'.



Image 2.2: The Bosch OBD 1150 Scan Tool connected to its OBD-II cable.

3. OPERATING INSTRUCTIONS

The Bosch OBD 1150 offers various diagnostic functions. Navigate through the menus using the UP/DOWN arrow buttons and confirm selections with the 'ENTER' button.

3.1. Reading Diagnostic Trouble Codes (DTCs)

1. From the main menu, select '**Read Codes**' and press 'ENTER'.
2. The tool will communicate with the vehicle's ECU and display any stored DTCs.
3. Use the UP/DOWN arrows to scroll through multiple codes if present. The display will show the code number and a brief description.
4. For more detailed definitions, refer to the comprehensive trilingual user manual included with the tool.

3.2. Erasing DTCs and Resetting MIL

Caution: Erasing DTCs will clear all diagnostic data. Ensure you have recorded any necessary information before

proceeding.

1. From the main menu, select '**Erase Codes**' and press 'ENTER'.
2. Confirm your selection when prompted. This action will clear the DTCs and turn off the Malfunction Indicator Lamp (MIL), also known as the Check Engine light.

3.3. Viewing Live Data

Live Data allows you to view real-time sensor, switch, and relay inputs while the engine is running.

1. From the main menu, select '**View Data**' and press 'ENTER'.
2. The tool will validate PIDs (Parameter IDs) and then display a list of available data streams.
3. Use the UP/DOWN arrows to scroll through various parameters such as engine speed, coolant temperature, fuel trim, and more.



Image 3.1: The scan tool displaying live data, including ABS TPS, ACC POS, BARO PRS, CALC LOAD, and CAT TEMP.

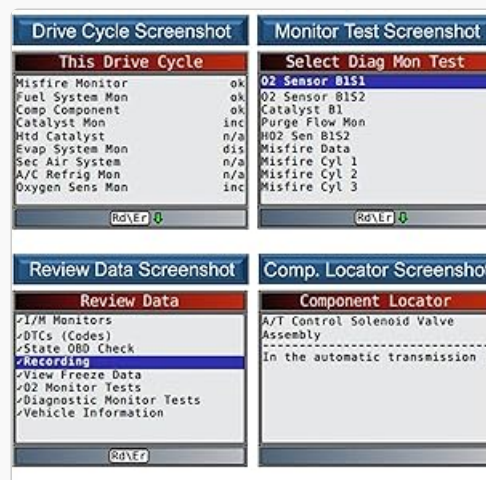


Image 3.2: Various diagnostic screens, including Drive Cycle, Monitor Test, Review Data, and Component Locator.

3.4. Freeze Frame Data

Freeze Frame Data is a snapshot of vehicle operating conditions at the moment a DTC was set.

1. From the main menu, select '**View Freeze Data**' and press 'ENTER'.
2. The tool will display parameters such as engine speed, vehicle speed, fuel system status, and more, captured when the fault occurred.

3.5. I/M Readiness Status

This function checks the status of the emission-related diagnostic monitors on the vehicle.

1. From the main menu, select '**I/M Status**' (or similar, depending on firmware) and press 'ENTER'.
2. The tool will display whether various monitors (e.g., Misfire Monitor, Fuel System Monitor, O2 Sensor Monitor) are 'OK' (completed), 'INC' (incomplete), or 'N/A' (not applicable).

3.6. Component Locator

The Component Locator provides text-based descriptions of where to find specific components on the vehicle.

1. From the main menu, select '**Component Locator**' and press 'ENTER'.
2. Follow the on-screen prompts to select the component you wish to locate.

4. MAINTENANCE

4.1. Software Updates

To ensure optimal performance and access to the latest vehicle data and DTC definitions, it is recommended to regularly update your scan tool's software.

1. Connect the scan tool to a computer using a USB cable.
2. Visit the official Bosch Automotive Tools website to download the latest update software.
3. Follow the on-screen instructions provided by the update software to install the new firmware.

4.2. Cleaning and Storage

- Clean the tool's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Store the tool in a dry, clean environment, away from extreme temperatures and direct sunlight.
- Ensure the cable is not kinked or damaged during storage.

5. TROUBLESHOOTING

If you encounter issues with your Bosch OBD 1150 Scan Tool, consider the following:

- **Tool Not Powering On:** Ensure the OBD-II connector is securely plugged into the vehicle's port and the vehicle's ignition is in the 'ON' position. Check the vehicle's battery voltage.
- **Communication Error:** Verify the vehicle is OBD-II compliant (1996 or newer for most models). Check the connection of the OBD-II cable. Try the tool on a different compliant vehicle if possible to rule out vehicle-specific issues.
- **Incorrect Code Definitions:** Ensure your tool's software is up to date. Outdated software may not have the latest DTC definitions.
- **Screen Issues:** If the screen is blank or unreadable, try adjusting the contrast settings (if available in the setup menu) or performing a software update.
- **Tool Freezes:** Disconnect the tool from the vehicle, wait a few seconds, and reconnect. If the issue persists,

perform a software update.

6. SPECIFICATIONS

| Feature | Description |
|--------------------------------|--|
| Model | OBD 1150 |
| Compatibility | All 1996 and newer import, domestic, diesel, and hybrid vehicles (OBD II & CAN), as well as 1994 and 1995 OBD II compliant vehicles. |
| DTC Definitions | Over 15,000 generic and manufacturer-specific. |
| Live Data PIDs | Over 300 possible (vehicle dependent). |
| ABS Code Coverage | Most 1996-2013 GM, Ford, Chrysler, Toyota, Honda, Nissan, and Hyundai vehicles. |
| Display | Color LCD screen. |
| Languages | English, Spanish, French. |
| Connectivity | USB port for updates. |
| Dimensions | 10.25 x 1.8 x 6.55 inches. |
| Item Weight | 12.2 ounces. |
| Power Source | Battery Powered. |
| Operating System (for updates) | Windows XP (and newer compatible systems). |

7. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Bosch OBD 1150 Trilingual Scan Tool, please refer to the documentation included with your product or visit the official Bosch Automotive Tools website. Bosch provides comprehensive support to ensure customer satisfaction.