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LAUNCH CRE305

LAUNCH CRE305 OBD2 Diagnostic Scanner User Manual

1. Introduction

This manual provides detailed instructions for the proper use and maintenance of your LAUNCH CRE305 OBD2 Diagnostic Scanner. The CRE305 is a professional diagnostic tool designed to assist in identifying and resolving vehicle issues related to the engine, Anti-lock Braking System (ABS), and Supplemental Restraint System (SRS). It also offers various reset services and comprehensive OBD2 functions.

2. Product Overview

The LAUNCH CRE305 is an advanced diagnostic device featuring a 4-inch touchscreen and an Android 6.0 operating system, ensuring a smooth and responsive user experience. It supports a wide range of vehicle models and offers essential diagnostic and maintenance functions.



Image 1: The LAUNCH CRE305 diagnostic scanner, illustrating its compact design and highlighting its capabilities for SRS, Engine, and ABS diagnostics, along with reset services and one-touch updates.

Key Features:

- **Engine, ABS, and SRS System Diagnostics:** Read and clear fault codes, view live data, and perform system-specific tests.
- **Optional Reset Services:** Choose 5 from 16 popular maintenance functions, including Oil Reset, Brake Reset, SAS Reset, BMS Service, TPMS Reset, DPF Regeneration, IMMO Service, Throttle Matching, Injector Coding, Gear Learning, ABS Bleeding, Air Suspension Matching, Gearbox Reset, Sunroof Reset, Headlamp Fitting, and EGR Adaption. Note: The 5 selected services cannot be changed after initial selection.
- **Full OBD2 Functions:** Supports all 10 OBD2 test modes for comprehensive emission-related diagnostics.
- **AutoVIN Technology:** Automatically identifies vehicle information for quick and accurate diagnostics.
- **One-Touch Update:** Easy software updates via Wi-Fi.
- **Multilingual Support:** Menu available in English, French, Spanish, German, Italian, Russian, Portuguese, Japanese, Korean, and Chinese.

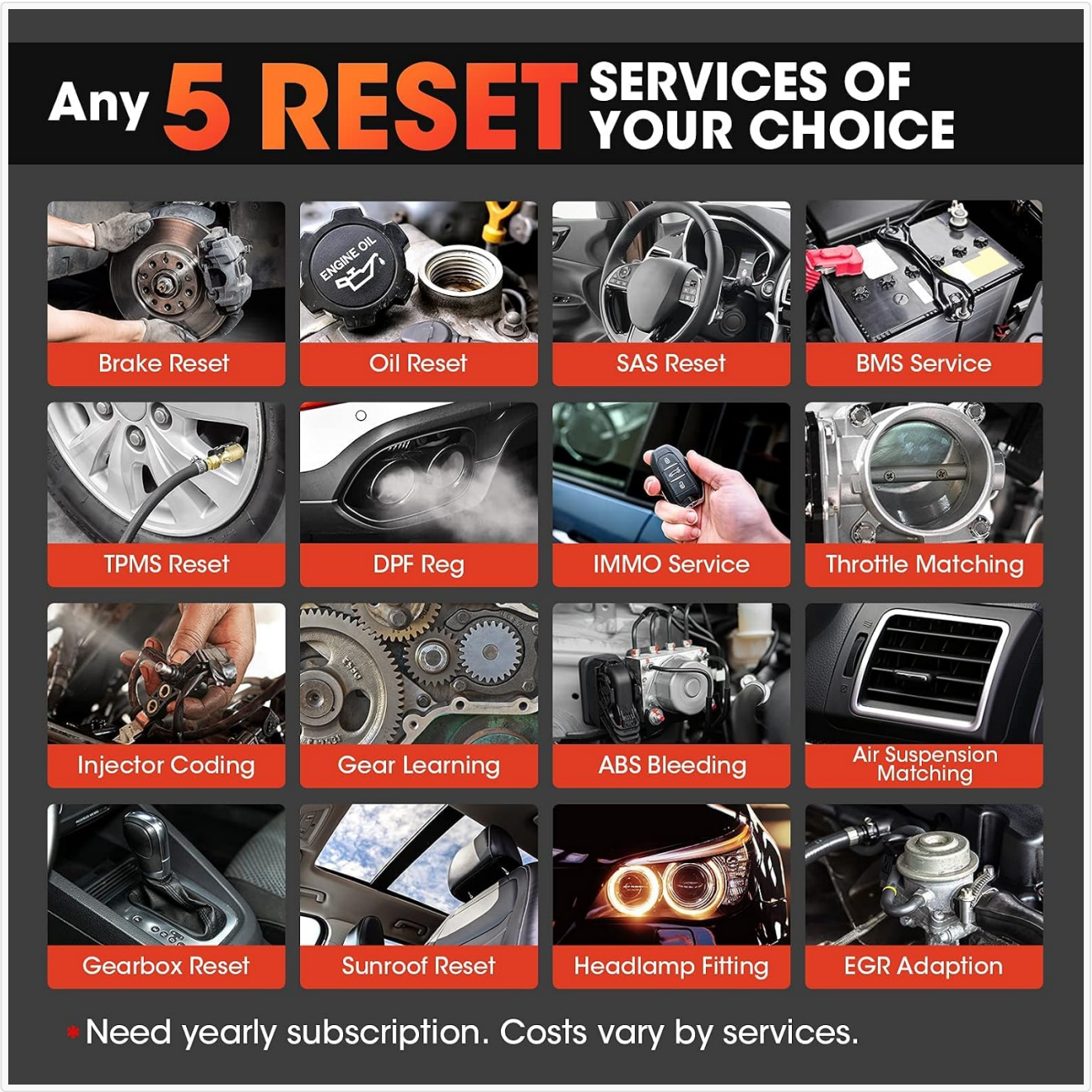


Image 2: An illustration of the 16 available reset services, from which users can select 5 for their LAUNCH CRE305 device. These services cover various vehicle maintenance tasks.



Image 3: Visual representation of the LAUNCH CRE305 performing diagnostics on ABS, SRS, and Engine systems, indicating its ability to detect potential issues, monitor running status, and pinpoint trouble areas.

3. Setup

3.1 Initial Power-On

1. Ensure the device battery is sufficiently charged. The device includes a Lithium-polymer battery.
2. Press and hold the power button located on the device until the screen illuminates.
3. Follow the on-screen prompts to select your preferred language and time zone.

3.2 Connecting to the Vehicle

1. Locate the vehicle's OBD2 port, typically found under the dashboard on the driver's side.
2. Connect the diagnostic cable from the CRE305 scanner to the vehicle's OBD2 port.
3. Turn the vehicle's ignition to the 'ON' position (engine off). The scanner will automatically power on or prompt you to do so.

3.3 Software Updates

It is recommended to update the software regularly to ensure optimal performance and access to the latest vehicle data and functions.

1. Connect the CRE305 to a Wi-Fi network via the 'Settings' menu.
2. Navigate to the 'Upgrade' icon on the main screen.
3. Tap 'One-Touch Update' to check for and install available updates.



Image 4: The LAUNCH CRE305 display showing the language selection interface, emphasizing its Android 6.0 operating system, AutoVIN feature, one-touch update capability, and responsive 4-inch touchscreen.

4. Operating Instructions

4.1 General Navigation

The CRE305 operates on an Android 6.0 system with a 4-inch touchscreen. Navigate through menus by tapping icons and swiping. Use the back button (if present) or on-screen navigation to return to previous screens.

4.2 OBD2 Diagnostics

The device supports all 10 modes of OBD2 diagnostics, allowing for comprehensive emission-related testing.

1. From the main menu, select 'OBD II'.
2. The scanner will automatically connect to the vehicle and display a menu of OBD2 functions.
3. **Read Codes:** Displays Diagnostic Trouble Codes (DTCs) and their descriptions.
4. **Erase Codes:** Clears DTCs from the vehicle's computer. This will also turn off the Check Engine Light (MIL).
5. **Live Data:** Displays real-time data streams from the vehicle's sensors.
6. **Freeze Frame:** Shows a snapshot of vehicle operating conditions at the time an emission-related fault occurred.
7. **I/M Readiness:** Checks the status of emission-related monitors.
8. **O2 Sensor Test:** Retrieves O2 sensor monitor test results.
9. **On-Board Monitor Test:** Retrieves results for emission-related powertrain components and systems that are not continuously monitored.
10. **Component Test:** Allows for testing of specific components.
11. **Vehicle Information:** Retrieves vehicle identification number (VIN), calibration ID, and calibration verification number (CVN).



Image 5: The LAUNCH CRE305 interface showing the full range of OBDII diagnostic modes, including Live Data, Freeze Frame, O2 Monitor Test, I/M Readiness, On-Board Monitor Test, Component Test, Vehicle Information, Read/Erase Codes, and EVAP Test.

4.3 System Diagnostics (Engine, ABS, SRS)

The CRE305 can diagnose three core vehicle systems:

1. From the main menu, select 'Diagnose'.
2. The system will attempt to identify the vehicle using AutoVIN. If AutoVIN fails, you may need to manually select the vehicle make, model, and year.
3. Select the desired system for diagnosis: 'Engine', 'ABS', or 'SRS'.
4. The scanner will perform a scan and display fault codes, live data streams, and other relevant information for the selected system.
5. Data can be recorded, graphed, and replayed for detailed analysis.
6. Diagnostic reports can be generated and printed via a Windows PC.

4.4 Reset Services

The CRE305 offers 5 optional reset services chosen from a list of 16. These services are crucial for vehicle maintenance and component replacement.

1. From the main menu, select 'Reset'.
2. Choose the specific reset function you wish to perform (e.g., Oil Reset, Brake Reset).
3. Follow the on-screen instructions to complete the service.

Important Note: The 5 special functions chosen during initial setup cannot be modified later. Annual subscriptions may apply and vary based on the selected service options.



Image 6: The LAUNCH CRE305 displaying its data management capabilities, including scan results, live data streams, and diagnostic record options, with an illustration of printing a report.

5. Maintenance

5.1 Device Care

- Keep the device clean and free from dust and moisture. Use a soft, dry cloth for cleaning.

- Avoid exposing the device to extreme temperatures or direct sunlight.
- Do not use abrasive cleaners or solvents.

5.2 Software Updates

Regularly check for and install software updates as described in Section 3.3 to ensure the device has the latest vehicle coverage and diagnostic functions.

5.3 Battery Care

- Charge the device fully before first use.
- If the device will not be used for an extended period, charge it to approximately 50% and store it in a cool, dry place.
- Avoid completely draining the battery frequently.

6. Troubleshooting

If you encounter issues with your LAUNCH CRE305, refer to the following common troubleshooting steps:

- **Device not powering on:** Ensure the battery is charged. Connect the device to the vehicle's OBD2 port or a power adapter.
- **No communication with vehicle:** Verify the OBD2 cable is securely connected to both the scanner and the vehicle's port. Ensure the vehicle's ignition is in the 'ON' position. Check if the vehicle is OBD2 compliant (most vehicles sold in the US since 1996, EU gasoline vehicles after 2001, EU diesel vehicles after 2004, and Asian vehicles since 2008).
- **Incorrect vehicle identification (AutoVIN):** If AutoVIN fails, manually select the vehicle make, model, and year from the menu.
- **Software issues:** Perform a software update (Section 3.3). If problems persist, contact technical support.

7. Specifications

Feature	Specification
Model Number	CRE305-EU
Operating System	Android 6.0
Screen Size	4 Inches (480 * 800P)
Power Source	Battery powered (1 Lithium-polymer battery included)
Item Weight	640 g
Package Dimensions	28 x 22.1 x 5.6 cm
Supported Languages	EN, FR, ES, DE, IT, RU, PO, JP, KR, CN
UPC	632111339580, 632111339603



Image 7: An overview of the extensive car model coverage supported by the LAUNCH CRE305, including vehicles from Asia, Europe, America, and Australia, encompassing various types like cars, SUVs, minivans, and light-duty trucks.

8. Warranty and Support

LAUNCH offers professional after-sales services for the CRE305 diagnostic scanner.

- **Technical Support:** 24/7 technical assistance is available for any operational or technical queries.
- **Returns and Replacements:** The product is eligible for returns or replacements within 30 days of purchase.

For support, please refer to the contact information provided with your product packaging or visit the official LAUNCH website.

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