LAUNCH CRP129HD

LAUNCH CRP129HD Heavy Duty Truck Scanner User Manual

Model: CRP129HD

1. Introduction

The LAUNCH CRP129HD is a heavy-duty truck scanner designed for 24V commercial vehicles. It offers comprehensive diagnostic capabilities, including OE-level all systems diagnostics, various service functions, and full OBD/EOBD/OBDII functions. This tool is suitable for a wide range of heavy-duty vehicles and diesel engines, providing efficient and accurate fault detection and maintenance support.
Key features include:

- OE-Level All Systems Diagnostic for 56+ commercial vehicle brands.
- 7+ Professional Service Functions: DPF Regen, Urea Drive (DEF), Oil Reset, Injector Coding, Speed Limit Adjustment, Cylinder Deactivation Compression, Clutch Learning.
- Full HD OBD/EOBD/OBDII Functions for both 24V trucks and 12V cars.
- Smart Diagnostic Features: Auto VIN & Scan, 4-IN-1 Live Data Graphing, Data Record & Playback, Diagnostic Report Sharing, DTC Library, and Online Feedback.
- Wide Vehicle Compatibility: Supports OBD2/CAN, J1587, J1708, and J1939 protocols.
- Powered by Android 8.1 OS with a 4-inch touchscreen and button interface.
- 2-Year Free Software Updates via Wi-Fi.

2. Setup

2.1 Unboxing and Components

Carefully unpack the LAUNCH CRP129HD scanner and verify all components are present. The package should contain:

- 1 * LAUNCH CRP129 HD Main Unit
- 1 * OBD 16-PIN Diagnostic Cable
- 1 * OBD Adapter
- 3 * Diagnostic Connectors (CAT 9-PIN, OBD 6-PIN, Type II OBD 9-PIN)
- 1 * Quick Start Guide & 1 * User Manual

- 1 * Carrying Box

Note: A Type-C charging cable is not included.

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Video: LAUNCH CRP129 HD Heavy Duty Truck Scanner - Packing List. This video demonstrates the contents of the product package, including the main unit, cables, and connectors.

2.2 Initial Power On and Configuration

The device is battery-powered. Ensure it is sufficiently charged before first use. Upon powering on, follow the on-screen prompts to configure language, time zone, and Wi-Fi settings. Connecting to Wi-Fi is essential for software updates and accessing online features.



Image: The main unit of the LAUNCH CRP129HD scanner, showing its robust design and display.



Image: Rear view of the LAUNCH CRP129HD scanner, displaying the serial number (987780109691) and product specifications.

3. Operating Instructions

3.1 Connecting to a Vehicle

The CRP129HD supports various diagnostic protocols including OBD2/CAN, J1587, J1708, and J1939. Use the appropriate diagnostic connector (OBD 6-PIN, OBD 9-PIN, or CAT 9-PIN) and the OBD 16-PIN diagnostic cable to connect the scanner to the vehicle's diagnostic port. Ensure a secure connection before proceeding.

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Video: LAUNCH CRP129 HD Heavy Truck Scanner. This video demonstrates the connection process and initial use of the scanner with a heavy-duty truck.

3.2 All Systems Diagnostic

The scanner provides OE-level full system diagnostics for all available modules in commercial vehicles, including Engine, ABS, SRS, SAS, Transmission, TPMS, ESP, EVAP, BMS, Drivetrain, ATA, Aftertreatment, and more. To perform a full system scan:

1. Turn on the vehicle's ignition.
2. Select "Diagnose" from the main menu.
3. Choose "Auto VIN" for automatic vehicle identification (for 2006+ models) or manually select the vehicle brand and model.
4. Initiate the "System Scan" to read all available modules.
5. The scanner will display fault codes (DTCs), ECU information, and live data streams.



Image: Screenshot of the scanner's interface showing the "All System Diagnostic" function, including options for reading and clearing codes, live data, and ECU information.

Your browser does not support the video tag.

Video: Full System Diagnostic of LAUNCH CRP129 HD. This video provides a detailed walkthrough of performing a full system diagnostic scan using the CRP129HD.

3.3 Special Service Functions

The CRP129HD offers several specialized service functions to assist with vehicle maintenance and repair:

- **DPF Regeneration:** Initiates and monitors the Diesel Particulate Filter regeneration process. Applicable to Cummins, Detroit, Caterpillar, International, Volvo, Paccar, Isuzu, Fuso, Hino, Perkins, and more.
- **Urea Drive (DEF):** Manages and diagnoses issues related to the Diesel Exhaust Fluid system.
- **Oil Reset:** Resets the oil service light after an oil change.
- **Injector Coding:** Codes new injector replacement values into the ECU.
- **Speed Limit Adjustment:** Modifies the vehicle's speed limiter settings.

- **Cylinder Deactivation Compression:** Performs tests related to cylinder deactivation and compression.
- **Clutch Learning:** Conducts clutch adaptation procedures.

Access these functions by navigating to "Diagnose > Brand > System > Special Function" on the device. Note that specific functions may vary by vehicle model. Always check compatibility.



Image: Display of the scanner's "7+ Service Functions" menu, showing options like DPF Regeneration, Oil Reset, and Injector Coding.

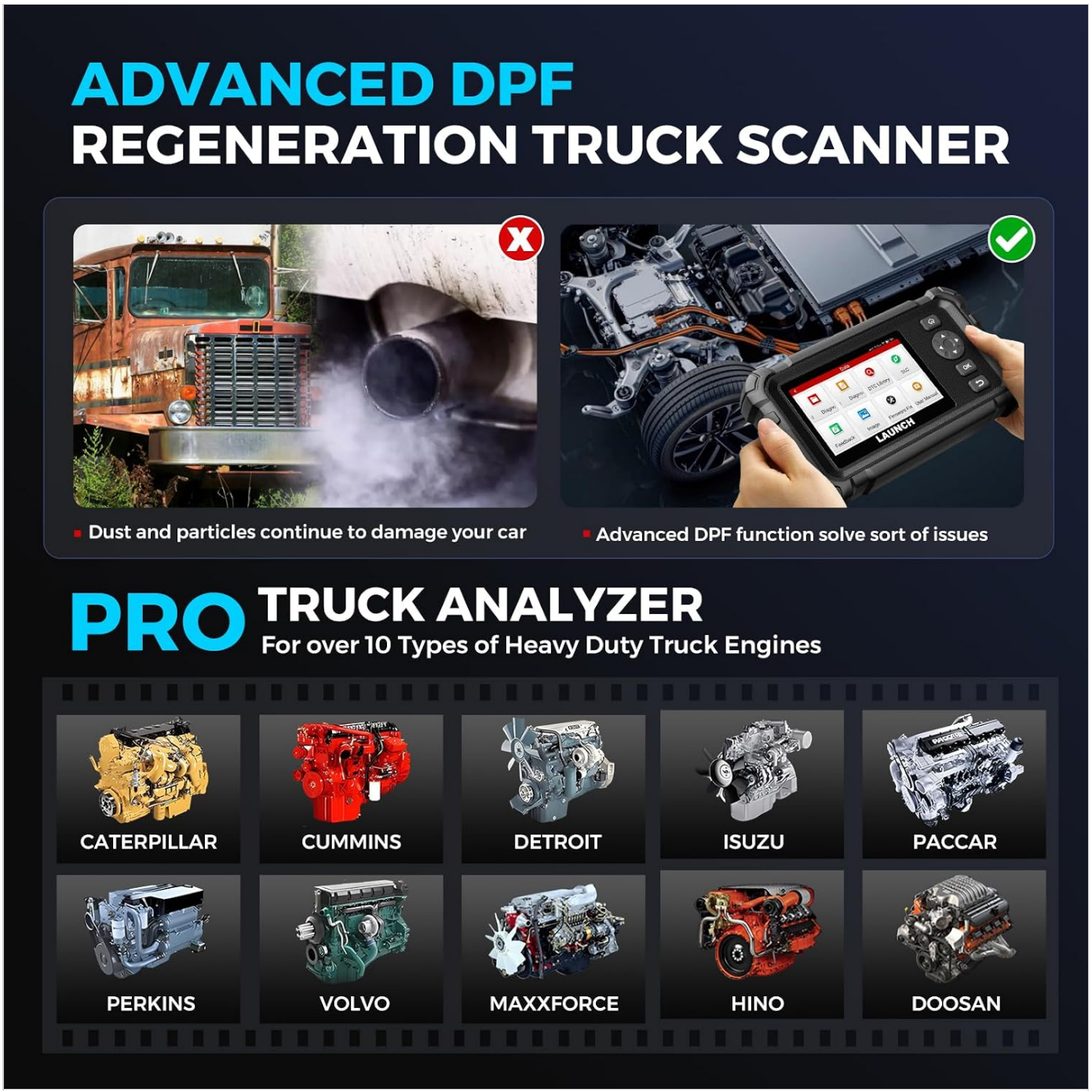


Image: Illustration of the DPF Regeneration function in action, showing the scanner connected to a vehicle and addressing DPF issues.

3.4 OBD/EOBD/OBDII Functions

The CRP129HD also functions as a 2-in-1 code reader for both 24V trucks (HD OBD, supporting J1939 and J1708 protocols) and 12V cars (OBDII/EOBD). Standard OBDII functions include:

- Read/Clear Codes
- Live Data Stream
- I/M Readiness
- Freeze Frame Data
- O2 Sensor Test
- On-Board Monitoring Test
- EVAP Test
- Vehicle Information (VIN, CID, CVN)



Image: Visual representation of the scanner's capability as a 3-in-1 code reader, supporting both heavy-duty trucks and passenger cars with various diagnostic functions.

4. Maintenance

4.1 Software Updates

The CRP129HD comes with 2 years of free software updates. Regular updates ensure compatibility with new vehicle models, bug fixes, and enhanced functionalities. To update the software:

1. Ensure the device is connected to a stable Wi-Fi network.
2. From the main menu, select "Update" or "One-Click Wi-Fi Update".
3. Follow the on-screen instructions to download and install the latest software versions.



Image: Screenshot highlighting user-friendly features, including the "One-Click WiFi Update" option on the scanner's interface.

4.2 Cleaning and Storage

Keep the scanner clean by wiping it with a soft, damp cloth. Avoid using abrasive cleaners or solvents. Store the device in its carrying box in a dry, cool place away from direct sunlight and extreme temperatures when not in use.

5. Troubleshooting

This section addresses common issues and provides solutions.

5.1 Common Issues and Solutions

- **Device not powering on:** Ensure the battery is charged. Connect the device to a power source using a compatible Type-C cable (not included).
- **Connectivity issues:** Verify that the diagnostic cable is securely connected to both the scanner and the vehicle's OBD port. Ensure the vehicle's ignition is on.

- **Auto VIN fails:** If automatic VIN detection fails, manually select the vehicle brand and model from the diagnostic menu.
- **Software bugs or unexpected behavior:** Perform a software update via Wi-Fi. If the issue persists, use the "Online Feedback" feature to report the problem to technical support.

5.2 DTC Library and Code Search

The built-in DTC Library allows you to quickly look up definitions for diagnostic trouble codes. For more in-depth information or repair tips, use the "Code Search" function which can link to online resources.



Image: Overview of smart diagnostic features, including DTC Lookup, Online Feedback, and Remote Assistance options.

5.3 Frequently Asked Questions (FAQs)

Q: What should I do if the received product is broken or used?

A: Some returns may be marked as sellable by Amazon, leading to an used item being received. Please contact us via obdbox21@163.com, and we will arrange a replacement.

Q: Will the topology map work after two years free upgrade?

A: Yes, it will still work. Updates primarily fix bugs, optimize existing functions, add new features, and expand model compatibility.

Q: Who should I contact to solve my problem?

A: Please contact us directly via our email provided on the detail page:obdbox21@163.com. Do not contact LAUNCH Tech USA, as they are an overseas branch and do not offer support to Amazon customers.

6. Specifications

Feature	Detail
Brand	LAUNCH
Model Number	CRP129HD
Power Source	Battery Powered
Operating System	Android 8.1
Screen Size	4 inches
Product Dimensions (L x W x H)	12.7"L x 5.3"W x 11"H
UPC	884508003806
Included Components	Main Unit, OBD 16-PIN Cable, OBD Adapter, Quick Start Guide, User Manual, Carrying Box, CAT 9-PIN, OBD 6-PIN, Type II OBD 9-PIN Connectors
Automotive Fit Type	Universal Fit (24V Commercial, 12V Passenger)

7. Warranty and Support

7.1 Warranty Information

The LAUNCH CRP129HD comes with a **5-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
Additionally, the product includes a **90-day return and replacement policy** from the date of purchase.

7.2 Technical Support

For technical assistance, questions, or troubleshooting, please contact our support team directly. We offer **24/7/365 technical support** and a **5-Year Quality Backup** service.
Contact Email: obdbox21@163.com
When contacting support, please provide your product model (CRP129HD) and serial number (found on the back of the device, e.g., 987780109691) to expedite assistance.
Note: Please contact the provided email for support. Do not contact LAUNCH Tech USA for Amazon purchases.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question