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› [LAUNCH Creader 3001 OBD2 Scanner, Engine Fault Code Reader Mode 6 CAN Diagnostic Scan Tool for All OBDII Protocol Cars Since 1996, Lifetime Free Update](#)

LAUNCH CR3001

LAUNCH Creader 3001 OBD2 Scanner User Manual

Model: CR3001 | Brand: LAUNCH

INTRODUCTION

The LAUNCH Creader 3001 is a powerful and user-friendly OBD2 diagnostic scan tool designed to help vehicle owners and technicians quickly identify and resolve engine-related issues. This device supports all OBDII protocols and is compatible with most 1996 and newer US-based, 2000 and newer EU-based, and 2008 and newer Asian cars. It offers a comprehensive set of OBD2 functions, including reading and clearing fault codes, I/M readiness status testing, viewing live data streams, and more, ensuring your vehicle remains in optimal condition and passes emission tests.



Figure 1: LAUNCH Creader 3001 OBD2 Scanner with its diagnostic menu displayed.

SETUP AND CONNECTION

The LAUNCH Creader 3001 is a "PLUG AND PLAY" scan tool, making setup straightforward. No complex installation is required. Simply connect the device to your vehicle's OBDII port.

Steps for Initial Setup:

1. Locate the OBDII port in your vehicle. This port is typically found under the dashboard on the driver's side. Refer to your vehicle's owner's manual if you have difficulty locating it.
2. Ensure the vehicle's ignition is in the "ON" position (engine can be off or running, depending on the desired diagnostic function).
3. Connect the 2.5-foot long diagnostic cable from the Creader 3001 to the vehicle's OBDII port. The device will power on automatically.

4. The main menu will appear on the screen, ready for operation.



Figure 2: Connecting the LAUNCH Creader 3001 to a vehicle's OBDII port.

OPERATING INSTRUCTIONS

The Creader 3001 provides various diagnostic functions accessible through its intuitive menu. Use the navigation buttons (Up, Down, OK, Back) to select options.

1. Read and Clear Codes

This function allows you to retrieve Diagnostic Trouble Codes (DTCs) from the vehicle's engine control unit (ECU) and clear them after repairs. The device includes a built-in DTC definition lookup library.

- From the main menu, select "Read Codes" to view current, pending, or historic fault codes.
- To clear codes, select "Erase Codes". Confirm the action when prompted. This will turn off the Malfunction Indicator Light (MIL) or "Check Engine Light" on your dashboard.

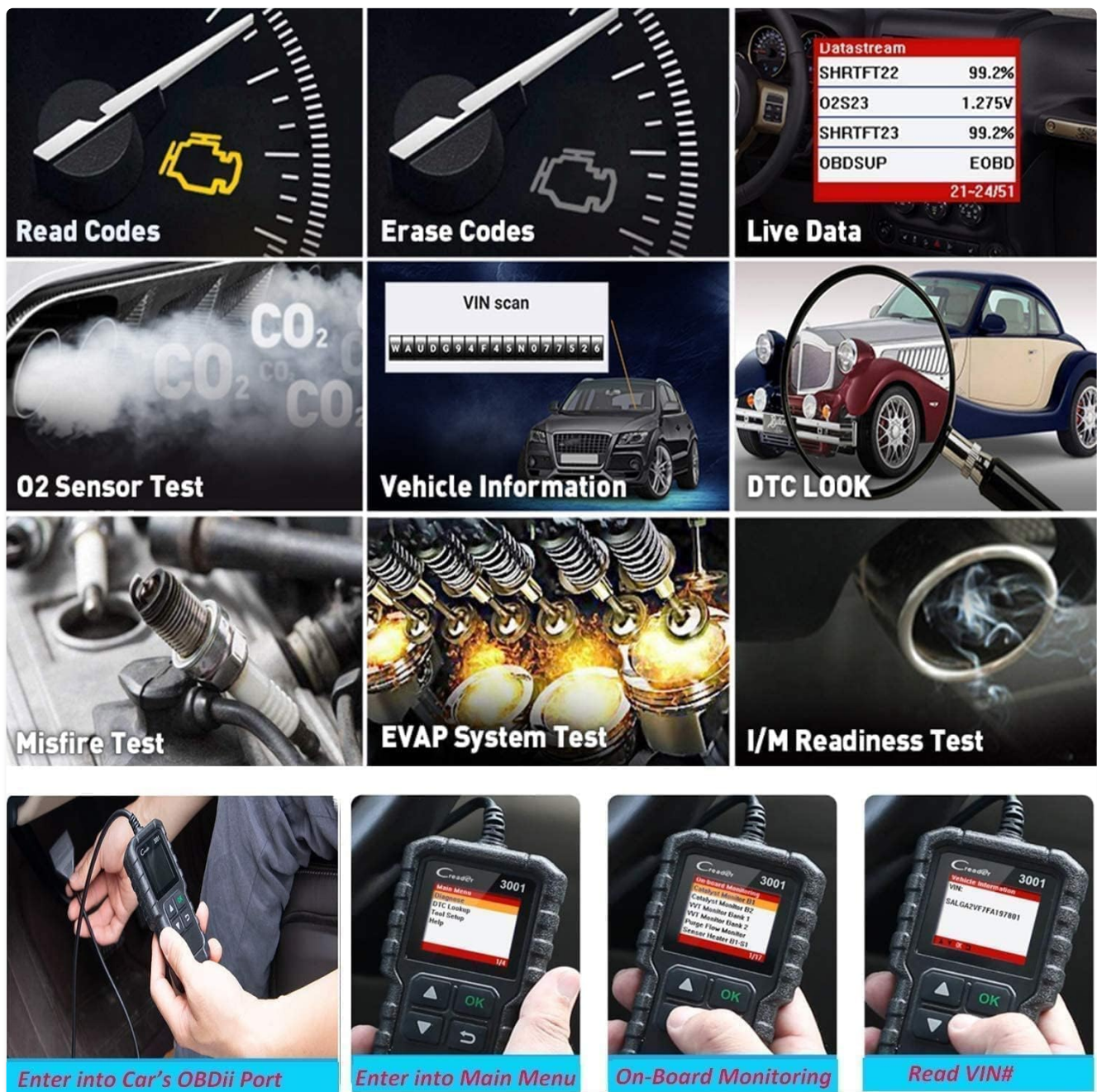


Figure 3: The "Read Codes" menu on the Creader 3001 display.

Your browser does not support the video tag.

Video 1: Demonstration of how to read and clear codes using the LAUNCH Creader 3001.

2. I/M Readiness Status Test

This function checks the status of emission-related monitors (e.g., misfire system, fuel system) to ensure they are ready for an emissions test. This helps you pass smog checks easily.

- Select "I/M Readiness" from the diagnostic menu.
- The screen will display the status of various monitors as "OK" (complete) or "INC" (incomplete).



Figure 4: Display showing the I/M Readiness status for various vehicle systems.

3. View Freeze Frame Data

When an emission-related fault occurs, the ECU records certain vehicle parameters at the moment the fault is detected. This "freeze frame" data provides a snapshot of the operating conditions, aiding in diagnosis.

- Select "Freeze Frame" to view the recorded data.

4. View Live Data Stream

This function displays real-time operational data from the vehicle's sensors and components, such as engine RPM, vehicle speed, oxygen sensor readings, and more. This is crucial for quick detection of vehicle failures.

- Select "Data Stream" to view live sensor data.



Diagnostic Menu	
Read Codes	
Erase Codes	
I/M Readiness	
Data Stream	
Freeze Frame	
O2 Sensor Test	
1/9	

Diagnostic Menu	
On-Board Monitoring	
Evap-System(Mode\$ 8)	
Vehicle Information	
2/9	

DTC Lookup	
Please input DTC:	
P0000	
[▲] - change input.	
[▼] - select position.	
[OK] - confirm.	
▲ ▼ OK □	

Monitor Status	
DTCs in this ECU	0
Readiness OK	7
Readiness INC	0
Readiness N/A	3
Datastream count	57
Protocol Type	CAN
▲ ▼ OK □	

I/M Readiness	
Misfire monitor	OK
Fuel system	OK
Comp.component	OK
Catalyst monitor	INC
1~4/10	

About OBD	
WHAT IS OBD?	
OBD-II Modes	
Vehicle Coverage	
3/3	

Language	
English	
Français	
Español	
Deutsch	
Русский	
Italiano	
1/7	

Datastream	
SHRTFT22	99.2%
O2S23	1.275V
SHRTFT23	99.2%
OBDSUP	EOBD
21~24/51	

Rich to lean sensor	
Test ID	\$05
Value	0.180s
Min	0.000s
Max	1.500s
Status	Pass
▲ ▼ OK □	

Figure 5: Example of live data stream display on the Creader 3001.

5. O2 Sensor Test

This test monitors and retrieves results of O2 sensor tests for the most recently completed tests from the vehicle's on-board computer.

- Select "O2 Sensor Test" to view the results.

LAUNCH Creader 3001 COMPARISON CHART



Creader 3001



AD310



AL319



AL519

	Need Registered	NO	NO	NO	NO
	IP Limited	NO	Unlimited	Unlimited	Unlimited
	Vehicle List	OBDII / EOBD	OBDII / EOBD	OBDII / EOBD	OBDII / EOBD
	Free Language	EN DE FR ES IT RU PT	EN DE FR ES IT RU PT	EN	EN
	Unit of Measure	●	●	●	●
	DTC Lookup	●		●	●
	I/M Readiness	●	●	●	●
	Data Stream	●	●	●	●
	Freeze Frame	●	●	●	●
	Read Fault Codes	●	●	●	●
	Erase DTC	●	●	●	●
	O2 Sensor Test	●			
	ON-Board Monitor Test	●			●
	Evap System(mode\$ 8)	●			●
	Vehicle Information	●	●	●	●

Figure 6: O2 Sensor Test results displayed on the Creader 3001.

6. EVAP System Test (Mode \$08)

The EVAP test function initiates a leak test for the vehicle's Evaporative Emission System. This helps identify issues with fuel vapor leaks.

- Select "Evap System Test" to perform this diagnostic.

LAUNCH Creader 3001 COMPARISON CHART



Creader 3001



AD310



AL319



AL519

	Need Registered	NO	NO	NO	NO
	IP Limited	NO	Unlimited	Unlimited	Unlimited
	Vehicle List	OBDII / EOBD	OBDII / EOBD	OBDII / EOBD	OBDII / EOBD
	Free Language	EN DE FR ES IT RU PT	EN DE FR ES IT RU PT	EN	EN
	Unit of Measure	●	●	●	●
	DTC Lookup	●		●	●
	I/M Readiness	●	●	●	●
	Data Stream	●	●	●	●
	Freeze Frame	●	●	●	●
	Read Fault Codes	●	●	●	●
	Erase DTC	●	●	●	●
	O2 Sensor Test	●			
	ON-Board Monitor Test	●			●
	Evap System(mode\$ 8)	●			●
	Vehicle Information	●	●	●	●

Figure 7: EVAP System Test results on the Creader 3001.

7. On-Board Monitor Test (Mode \$06)

This function retrieves test results for emission-related powertrain components and systems that are not continuously monitored.

- Select "On-Board Monitor Test" to view these results.

8. Identify VIN Information

The Creader 3001 can read the vehicle's information, including the Vehicle Identification Number (VIN), Calibration ID (CALID), and Calibration Verification Number (CVN).

- Select "Vehicle Info" to display this data.



Figure 8: Screen displaying vehicle identification information.

Your browser does not support the video tag.

Video 2: General instructions for using the LAUNCH Creader 3001.

MAINTENANCE AND UPDATES

The LAUNCH Creader 3001 is designed for durability and ease of use. To ensure its longevity and optimal performance, follow these simple maintenance guidelines:

- Keep the device clean and dry. Avoid exposure to extreme temperatures or moisture.
- Store the device in a safe place when not in use to prevent physical damage.
- The Creader 3001 offers **Lifetime Free Updates**. Connect the device to a computer using the provided USB cable to download and install the latest software from the LAUNCH official website. This ensures compatibility with new vehicle models and improved diagnostic capabilities.

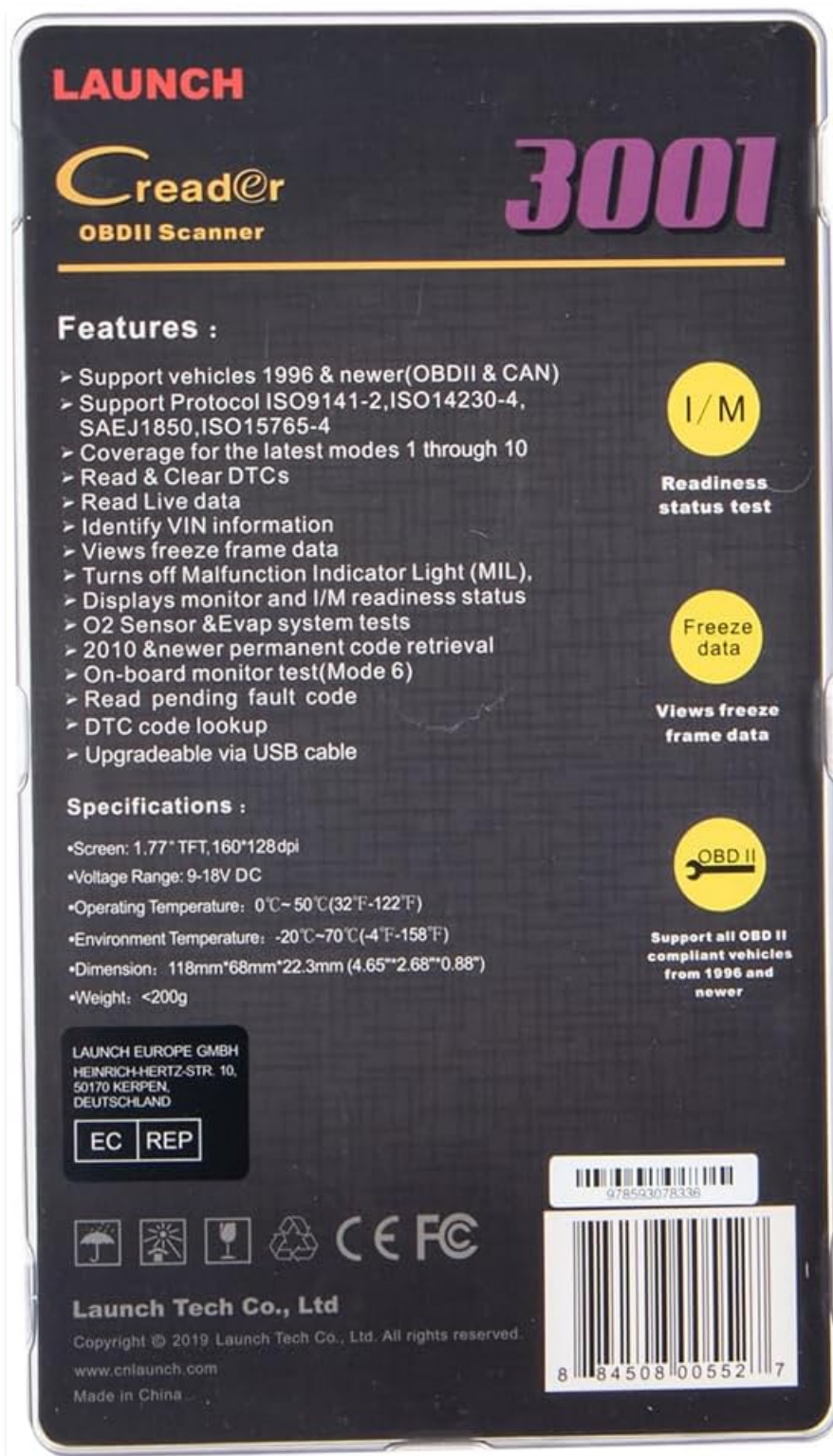


Figure 9: The LAUNCH Creader 3001 packaging, showing the device and USB cable for software updates.

TROUBLESHOOTING

If you encounter issues with your LAUNCH Creader 3001, consider the following common scenarios:

- **Device Not Powering On:** Ensure the OBDII cable is securely connected to both the scanner and the vehicle's OBDII port. Verify the vehicle's ignition is in the "ON" position.
- **"Check Engine Light" Remains On After Clearing Codes:** This may indicate that the underlying issue causing the fault code has not been resolved, or the vehicle's ECU requires a drive cycle to confirm the repair. Ensure all repairs are complete before attempting to clear codes again.
- **Unable to Connect to Vehicle:** Check if your vehicle is OBDII compliant (most US-based vehicles since 1996,

EU-based since 2000, Asian-based since 2008). Ensure the cable is not damaged.

- **Slow Code Reading:** Ensure the device software is up to date. Performance can be optimized with the latest firmware.
- **Received a Broken or Used Product:** If you receive a product that appears broken or used, please contact customer support immediately for a replacement.

SPECIFICATIONS

Feature	Detail
Brand	LAUNCH
Model	CR3001 (Launch Creader 3001)
Product Dimensions	2.68"L x 0.88"W x 4.65"H
Item Weight	8 ounces
Operating System Compatibility	Windows 7, Windows 10 (for updates)
Supported Protocols	J1859-41.6, J1850-10.4, ISO9141, KWP2000 (ISO 14230), CAN (ISO 11898)
Display	1.77" TFT, 160x128dpi
Operating Voltage	9-18V DC
Operating Temperature	0°C - 50°C (32°F - 122°F)
Environment Temperature	-20°C - 70°C (-4°F - 158°F)
Supported Languages	English, French, German, Spanish, Russian, Italian, Polish



Figure 10: Back of the LAUNCH Creader 3001 packaging, detailing specifications.

WARRANTY AND SUPPORT

LAUNCH is committed to providing high-quality products and excellent customer service.

- **Warranty:** The LAUNCH Creader 3001 comes with a 5-year warranty.
- **Money Back Guarantee:** If you are not satisfied with your OBD2 scanner for any reason, you may return it for a 100% no-questions-asked refund.
- **Lifetime Free Updates:** Benefit from continuous software improvements and expanded vehicle compatibility with lifetime free updates.
- **Customer Support:** For any product-related inquiries, technical assistance, or support, please contact us via email at obdbox21@163.com. Please provide your car model, year, and the functions needed for faster assistance.

<div><div>LAUNCH CReader 3001 Manual</div><div></div></div>	<div>Launch CReader 3001 User Manual: Comprehensive Guide for Vehicle Diagnostics</div> <div>Explore the Launch CReader 3001 User Manual for detailed instructions on vehicle diagnostics, OBD II codes, readiness monitors, and tool setup. Essential guide for automotive technicians and enthusiasts.</div>
<div><div>LAUNCH CReader VII+ Upgrade Process</div><div><div><div></div><div></div><div></div></div></div></div>	<div>LAUNCH CReader VII+ Upgrade Process Guide</div> <div>A step-by-step guide on how to upgrade the LAUNCH CReader VII+ automotive diagnostic scan tool using a TF card or USB cable. Includes software download, installation, and registration instructions.</div>
<div><div>10 Things You Must Know Before Purchase</div><div><div></div></div></div>	<div>LAUNCH CRP123X OBD2 Scanner: Key Information Before Purchase</div> <div>Essential guide covering 10 crucial points for LAUNCH CRP123X OBD2 scanner users, including compatibility, updates, warranty, usage tips, and included accessories. Learn about product features, support, and return policies.</div>
<div><div>FAQS for LAUNCH CRP123E</div><div><div></div></div></div>	<div>LAUNCH CRP123E FAQs: Troubleshooting and Support</div> <div>Frequently Asked Questions for the LAUNCH CRP123E automotive diagnostic tool, covering updates, registration, language support, features, package contents, troubleshooting, and more.</div>
<div><div>V101002</div><div>2023-10-18</div></div>	<div>LAUNCH Creader VII+ & Creader VIII User's Manual - Automotive Diagnostic Tool Guide</div> <div>Comprehensive user manual for LAUNCH Creader VII+ and Creader VIII automotive diagnostic scanners. Learn about OBD II diagnostics, system scanning (ABS, SRS, TCM, ENG), DTC reading/clearing, live data, safety precautions, and software updates.</div>
<div><div>LAUNCH Creader Professional 123i User Manual</div><div><div></div></div></div>	<div>LAUNCH Creader Professional 123i User Manual - Comprehensive Guide</div> <div>Explore the features and operation of the LAUNCH Creader Professional 123i automotive diagnostic tool. This user manual provides detailed instructions on vehicle diagnosis, system checks, updates, and settings.</div>

