

LAUNCH CRP123

LAUNCH Scan Tool CRP123 OBDII Cable Instruction Manual

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1. INTRODUCTION

This manual provides instructions for the LAUNCH CRP123 OBDII Main Cable. This cable is designed to connect compatible LAUNCH diagnostic scan tools, such as the CRP123, CRP129, Creader VII+, and Creader VIII, to a vehicle's On-Board Diagnostics II (OBDII) port for diagnostic purposes.

The cable facilitates communication between the scan tool and the vehicle's Electronic Control Unit (ECU), enabling the retrieval of diagnostic trouble codes (DTCs), live data streams, and other vehicle information.

2. SETUP

2.1 Package Contents

- 1 x LAUNCH CRP123 OBDII Main Cable

2.2 Connecting the Cable

1. **Locate the OBDII Port:** The OBDII port is typically located under the dashboard on the driver's side of the vehicle. Refer to your vehicle's owner's manual for the exact location.
2. **Connect to Scan Tool:** Plug the 15-pin connector end of the LAUNCH CRP123 OBDII Main Cable into the corresponding port on your LAUNCH CRP123, CRP129, Creader VII+, or Creader VIII scan tool. Ensure a secure connection.
3. **Connect to Vehicle:** Plug the OBDII connector end of the cable into the vehicle's OBDII port. Ensure the connection is firm.
4. **Power On:** Once both ends of the cable are securely connected, power on your LAUNCH scan tool. The tool should automatically establish communication with the vehicle's ECU.



Image 1: The LAUNCH CRP123 OBDII Main Cable, showing its coiled black cable and the 15-pin connector designed to interface with compatible LAUNCH scan tools.

3. OPERATION

The LAUNCH CRP123 OBDII Main Cable acts as a conduit for data transfer between your vehicle and the diagnostic scan tool. Its operation is passive; the cable itself does not perform diagnostic functions but enables the scan tool to do so.

3.1 Using with Your Scan Tool

1. **Vehicle Ignition:** Ensure the vehicle's ignition is in the "ON" position (engine can be off or running, depending on the diagnostic procedure).
2. **Scan Tool Interface:** Follow the on-screen prompts and instructions provided by your specific LAUNCH scan tool (CRP123, CRP129, Creader VII+, or Creader VIII) to perform diagnostic tasks.
3. **Data Retrieval:** The cable will transmit data such as Diagnostic Trouble Codes (DTCs), live sensor data, freeze frame data, and vehicle information to your scan tool for analysis.

4. **Disconnecting:** After completing diagnostic procedures, power off the scan tool, then carefully disconnect the cable from the vehicle's OBDII port and the scan tool.

4. MAINTENANCE

Proper care and maintenance will extend the lifespan of your LAUNCH CRP123 OBDII Main Cable.

- **Cleaning:** Wipe the cable and connectors with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the cable in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the cable loosely to prevent kinks or damage to the internal wires.
- **Handling:** Always grasp the connector housing when plugging or unplugging the cable. Avoid pulling directly on the cable itself, as this can damage the internal wiring or strain relief.
- **Inspection:** Periodically inspect the cable and connectors for any signs of wear, cuts, bends, or corrosion. If damage is observed, replace the cable to ensure reliable operation and prevent potential issues with your scan tool or vehicle.

5. TROUBLESHOOTING

If you encounter issues while using the LAUNCH CRP123 OBDII Main Cable, consider the following troubleshooting steps:

- **No Communication with Vehicle:**
 - Ensure both ends of the cable are securely connected to the scan tool and the vehicle's OBDII port.
 - Verify the vehicle's ignition is in the "ON" position.
 - Check the cable for visible damage (cuts, kinks, bent pins). A damaged cable may prevent communication.
 - Confirm the scan tool is powered on and functioning correctly.
 - Test the cable on a different compatible vehicle or with another known-good scan tool, if available, to isolate the issue.
- **Intermittent Connection:**
 - Ensure connectors are clean and free of debris or corrosion.
 - Avoid excessive movement or strain on the cable during use.
 - Check for loose internal wiring by gently flexing the cable near the connectors. If the connection drops, the cable may be faulty.
- **Scan Tool Error Messages:**
 - Refer to your specific LAUNCH scan tool's manual for error code definitions and troubleshooting steps related to communication issues.

If troubleshooting steps do not resolve the issue, the cable may need replacement. Contact LAUNCH customer support for further assistance.

6. SPECIFICATIONS

Model	CRP123 (X431 Main Cable)
Compatibility	LAUNCH CRP123, CRP129, Creader VII+, Creader VIII

Connector Type (Scan Tool)	15-pin D-sub (DB15)
Connector Type (Vehicle)	OBDII (16-pin J1962)
Color	Black
Power Source	Corded Electric (via vehicle OBDII port)
Item Weight	0.352 ounces (approx. 10 grams)
Package Dimensions	6.5 x 6 x 1.25 inches
UPC	777451883307

7. WARRANTY INFORMATION

The LAUNCH CRP123 OBDII Main Cable comes with a **one-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product is free from defects in material and workmanship under normal use.

The warranty does not cover damage caused by misuse, accident, unauthorized modification, or improper installation. For warranty claims or further details, please contact LAUNCH customer support.

8. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries regarding your LAUNCH CRP123 OBDII Main Cable, please contact LAUNCH customer support.

Visit the official LAUNCH website for contact information and additional resources: [LAUNCH Official Store](#)

