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› MOOKAKA 12.3-inch Digital Instrument Cluster User Manual for Toyota Land Cruiser LC100 and Lexus LX470 (2002-2007)

## MOOKAKA 12.3 inch Instrument Cluster Digital Dashboard

# MOOKAKA 12.3-inch Digital Instrument Cluster User Manual

For Toyota Land Cruiser LC100 & Lexus LX470 (2002-2007)

## 1. INTRODUCTION AND OVERVIEW

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MOOKAKA 12.3-inch Digital Instrument Cluster. This advanced display system is designed to upgrade the dashboard experience in compatible vehicles, offering enhanced information display and functionality.

### 1.1 Applicable Vehicle Models

- Toyota Land Cruiser LC100 (2002-2007)
- Lexus LX470 (2002-2007)

Please ensure your vehicle model and year match the specifications above for proper compatibility.

# For Toyota LC100 LX470 LCD instrument panel 2002-2007



Non-destructive  
installation



There modes



No programming  
required



Image 1.1: Overview of the MOOKAKA 12.3-inch Digital Instrument Cluster, emphasizing its compatibility and ease of installation for Toyota LC100 and Lexus LX470 models from 2002-2007. Key features like non-destructive installation, multiple display modes, and no programming requirement are highlighted.

## 2. SETUP AND INSTALLATION

The MOOKAKA Digital Instrument Cluster is designed for a plug-and-play, non-destructive installation. No cutting or modification of original vehicle wiring is required.

### 2.1 Package Contents

Before beginning installation, verify that all components are present:

- 12.3-inch Digital Instrument Cluster Unit
- Power Cable
- Necessary connection cables
- Installation tool (if included)

# Product Real Shots



*Image 2.1: Various views of the MOOKAKA Digital Instrument Cluster components, including the main display unit, its rear panel with connectors, and the plastic housing, illustrating the complete product package.*

## 2.2 Installation Steps

1. **Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected to prevent electrical damage.
2. **Remove Original Instrument Cluster:** Carefully use an appropriate installation tool to disassemble and remove the original instrument cluster from your vehicle's dashboard. Refer to your vehicle's service manual for specific removal procedures if needed.
3. **Disconnect Original Wiring:** Unplug the power cord and any other connectors from the original instrument cluster.
4. **Connect New Unit:** Connect the provided power cable and other necessary cables from the MOOKAKA Digital Instrument Cluster to the corresponding ports in your vehicle. Ensure all connections are secure.
5. **Install New Unit:** Carefully place the new digital instrument cluster into the dashboard opening. Ensure it fits correctly and is securely mounted.
6. **Reconnect Battery:** Reconnect the vehicle's battery.
7. **Test Functionality:** Turn on the vehicle's ignition and verify that the new instrument cluster powers on and displays information correctly.

For optimal performance, it is recommended to have the installation performed by a qualified professional.

### 3. OPERATING INSTRUCTIONS

The MOOKAKA Digital Instrument Cluster provides a clear and comprehensive display of your vehicle's information. It integrates seamlessly with your vehicle's existing systems.



Image 3.1: The MOOKAKA 12.3-inch Digital Instrument Cluster actively displaying various vehicle parameters such as speed, engine RPM, current gear, time, and other essential driving information within a vehicle's dashboard.

#### 3.1 Basic Operation

- **Power On/Off:** The unit powers on automatically with the vehicle's ignition and powers off when the ignition is turned off. The system features a quick boot-up time of approximately 2.0 seconds.
- **Information Display:** The 12.3-inch LCD screen displays critical driving information including:
  - Speed (digital and analog representation)
  - Engine RPM
  - Fuel consumption (real-time and average)
  - Mileage (total and trip)
  - Tire pressure (if supported by vehicle)
  - Turn signals
  - Gear position (P, R, N, D, L)
  - Time and ambient temperature

- Fault code indications
- Body tilt angle (four-wheel drive display)



Image 3.2: The digital instrument cluster displaying real-time fuel consumption dynamically, providing visual feedback on vehicle efficiency.

### 3.2 Steering Wheel Control

Utilize the 'BC' button on your vehicle's steering wheel to navigate and set various functions of the instrument cluster. This includes changing display themes, adjusting settings, and accessing different information screens.

### 3.3 Language Support

The instrument cluster supports multiple languages for user interface and information display.

# TEN KINDS OF LANGUAGE

Support 10 Languages let you enjoy Personalization experience



Image 3.3: The digital instrument cluster showcasing its support for ten different languages, including Spanish, German, Russian, Korean, Japanese, English, Italian, and Arabic, allowing for a personalized user experience.

## 4. MAINTENANCE

To ensure the longevity and optimal performance of your MOOKAKA Digital Instrument Cluster, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to gently wipe the screen and surrounding surfaces. Avoid abrasive cleaners, solvents, or harsh chemicals that could damage the display or finish.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Software Updates:** Periodically check the manufacturer's website or contact support for any available software updates that may improve performance or add new features.

## 5. TROUBLESHOOTING

If you encounter any issues with your digital instrument cluster, refer to the following common troubleshooting steps:

- **No Power/Display:**
  - Check all cable connections to ensure they are securely plugged in.
  - Verify the vehicle's battery is properly connected and charged.

- Ensure the vehicle's ignition is on.
- **Incorrect Information Display:**
  - Restart the vehicle to reset the system.
  - Confirm that the unit is correctly configured for your specific vehicle model.
- **Steering Wheel Control Issues:**
  - Ensure the steering wheel control wiring is correctly connected.
  - Verify that the 'BC' button is functioning correctly on your steering wheel.
- **Fault Code Indication:**
  - If a fault code appears, consult your vehicle's service manual or a qualified mechanic for diagnosis and resolution. The instrument cluster displays these codes but does not interpret them.

If the issue persists after attempting these steps, please contact customer support for further assistance.

## 6. SPECIFICATIONS

Feature	Specification
Display Size	12.3 inches
Display Type	Full LCD IPS Screen
Applicable Models	Toyota Land Cruiser LC100, Lexus LX470 (2002-2007)
Installation Type	Plug and Play, Non-destructive
Boot-up Time	Approximately 2.0 seconds
Supported Languages	Spanish, English, Chinese, German, Russian, Korean, Japanese, Italian, Arabic
Product Dimensions (L x W x H)	17.72 x 9.25 x 20.87 inches

## 7. WARRANTY AND SUPPORT

MOOKAKA stands behind the quality of its products.

### 7.1 Product Warranty

This MOOKAKA Digital Instrument Cluster comes with a **one-year warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use.

### 7.2 Customer Support

We offer **lifetime after-sales service** for this product. If you have any questions, require technical assistance, or experience any issues not covered in this manual, please do not hesitate to contact our customer support team. Refer to your purchase documentation or the MOOKAKA official website for contact information.