KOBRA Products 8542040079

KOBRA OBD2 Scanner Car Code Reader Model 8542040079 Instruction Manual

Comprehensive Guide for Vehicle Diagnostics

1. Introduction

This manual provides detailed instructions for the operation and maintenance of your KOBRA OBD2 Scanner Car Code Reader, Model 8542040079. This device is designed to assist in diagnosing vehicle issues by reading and clearing Diagnostic Trouble Codes (DTCs) and turning off the Check Engine Light (CEL).

2. Product Overview

The KOBRA OBD2 Scanner is a handheld diagnostic tool featuring a clear display, navigation buttons, and a standard 16-pin OBD2 connector. It is designed for ease of use and quick vehicle diagnosis.



Image 2.1: KOBRA OBD2 Scanner Car Code Reader, Model 8542040079.

2.1 Components

- **LCD Display:** Shows diagnostic information and menu options.
- **Enter Button:** Confirms selections and actions.
- **Scroll Button:** Navigates through menu options and data.
- **OBD2 Connector Cable:** Connects the scanner to the vehicle's OBD2 port.

3. Setup

Follow these steps to connect and power on your KOBRA OBD2 Scanner:

1. **Locate the OBD2 Port:** The 16-pin Data Link Connector (DLC) is typically located under the dashboard on the driver's side. Refer to your vehicle's owner's manual if you cannot find it.
2. **Connect the Scanner:** With the vehicle's engine turned off, firmly plug the scanner's OBD2 connector into the vehicle's DLC. Ensure a secure connection.



Image 3.1: The 16-pin OBD2 connector.

3. **Turn on Ignition:** Turn the vehicle's ignition key to the 'ON' position (do not start the engine). The scanner will power on automatically.

4. **Initial Screen:** The scanner will display the KOBRA logo. Press the 'Enter' button when prompted to proceed to the main menu.



Image 3.2: Visual guide for initial setup and operation.

4. Operating Instructions

4.1 Reading Diagnostic Trouble Codes (DTCs)

After setup, the main menu will typically show '1. DTC'.

1. Use the 'Scroll' button to navigate through menu options if 'DTC' is not the first option.
2. Select 'DTC' and press 'Enter'.
3. The scanner will communicate with the vehicle's onboard computer. If codes are present, they will be displayed on the screen. If no codes are found, the device will indicate 'NO CODE'.

4. Record any displayed codes. These codes correspond to specific vehicle issues. The scanner has a database of over 3000 code definitions, including generic and manufacturer-specific codes.



Image 4.1: Scanner in use, connected to a vehicle's OBD2 port.

4.2 Clearing Diagnostic Trouble Codes (DTCs)

After addressing the underlying issue that caused the DTC, you can clear the codes and turn off the Check Engine Light.

1. From the main menu, scroll to the option for 'Erase Codes' or 'Clear DTCs' (this may be option 2 or similar).
2. Press 'Enter' to confirm.
3. The scanner will prompt for confirmation. Confirm to clear the codes.
4. The Check Engine Light should turn off. If the underlying issue is not resolved, the light may reappear.



Image 4.2: Representation of clearing the Check Engine Light.

5. Compatibility

The KOBRA OBD2 Scanner is compatible with a wide range of vehicles:

- Works with all 1996 and newer vehicles (US, European, and Asian).
- Supports all OBDII / EOBD compliant vehicles.
- Supports CAN, VPW, PWM, ISO, and KWP 2000 protocols.



Image 5.1: KOBRA OBD2 Scanner compatibility with various car brands.

6. Specifications

Feature	Specification
Model Number	8542040079
Item Weight	6.4 ounces
Package Dimensions	7.48 x 5.28 x 1.18 inches
Supported Protocols	CAN, VPW, PWM, ISO, KWP 2000
Connectivity	Wired OBD2 16-pin connector
Operating System	Proprietary (Internal)

7. Troubleshooting

If you encounter issues with your KOBRA OBD2 Scanner, consider the following:

- **'Link Error' or No Communication:**
  - Ensure the OBD2 connector is firmly seated in the vehicle's DLC.
  - Verify the vehicle's ignition is in the 'ON' position (engine off).
  - Check the vehicle's fuse for the OBD2 port. A blown fuse can prevent communication.
  - Ensure the vehicle is OBD2 compliant (1996 or newer for US vehicles).
- **Scanner Does Not Power On:**
  - Confirm the OBD2 connector is properly connected. The scanner draws power from the vehicle's port.
  - Check the vehicle's battery voltage; a low battery might affect power supply to the OBD2 port.
- **Codes Reappear After Clearing:**
  - This indicates that the underlying vehicle fault has not been resolved. Clearing codes only turns off the light; it does not fix the problem.
  - Further diagnosis and repair of the vehicle's system are required.

8. Maintenance

To ensure the longevity and proper function of your KOBRA OBD2 Scanner:

- Keep the device clean and dry. Avoid exposure to extreme temperatures or moisture.
- Store the scanner in a protective case when not in use to prevent damage to the screen or connector.
- Do not attempt to open or modify the device, as this will void the warranty.
- Always turn off the vehicle's engine before plugging in or unplugging the scanner.

9. Warranty and Support

KOBRA Products offers a **1-year money-back guarantee** for this OBD2 Scanner. If the product does not meet your expectations, please contact customer service for assistance.
For technical support or warranty claims, please refer to the contact information provided with your purchase or visit the official KOBRA Products website.



Image 9.1: KOBRA OBD2 Scanner features and warranty information.

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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

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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