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› THINKCAR THINKOBD 100 OBD2 Scanner User Manual

THINKCAR TKB01

THINKCAR THINKOBD 100 OBD2 Scanner User Manual

Your guide to operating and maintaining your THINKOBD 100 diagnostic tool.

1. PRODUCT OVERVIEW

The THINKCAR THINKOBD 100 is a powerful and user-friendly OBD2/EOBD car code reader designed to help DIYers and mechanics diagnose engine and emission-related problems. It features a 1.77-inch LCD color display and supports all 10 modes of OBD2 functions, including DTC Lookup, I/M Readiness, and Live Data.



Image: The THINKCAR THINKOBD 100 OBD2 Scanner, showing its compact design and color display.

2. SETUP GUIDE

2.1 Package Contents

Before you begin, please ensure all items are present in your package:

- THINKCAR THINKOBD 100 Unit
- User Manual
- USB Cable (for updates, if applicable)

2.2 Initial Connection

Follow these steps to connect your THINKOBD 100 to your vehicle:

1. Locate your vehicle's 16-pin OBD2 Data Link Connector (DLC). This is typically found under the dashboard on the driver's side.

2. Ensure the vehicle's ignition is in the 'ON' position (engine can be off or running).
3. Plug the THINKOBD 100's OBD2 connector firmly into the vehicle's DLC. The device will power on automatically.

PLUG IN AND DISPLAY

Easy to Use With Simple Steps



Diagnostic Menu	
Read Code	
Erase Codes	
I/M Readiness	
Data Stream	
Freeze Frame	
▲ ▼ OK ↶	

Diagnostic Menu	
On-Board Monitoring	
Evap-System(Mode\$ 8)	
Vehicle Information	
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DTC Lookup	
Please input DTC:	
	P 0 0 0 0
[▲] - change input	
[▼] - select position	
[OK] - confirm	
▲ ▼ OK ↶	

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

I/M Readiness	
Misfire monitor	OK
Fuel system	OK
Fuel System	OK
Comp.component	OK
Catalyst monitor	OK
1/4	

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

Datastream	
SHRTFT22	99.2%
O2S23	1.275V
SHRTFT23	99.2%
OBDSVP	EOBD
▲ ▼ OK ↶	

Rich to lean sensor	
Teas ID	\$05
Value	0.180s
Min	0.000s
Max	0.150s
Status	Pass
▲ ▼ OK ↶	

Image: Illustration of the THINKOBD 100 being plugged into a vehicle's OBD2 port, demonstrating the simple plug-and-display operation.

3. OPERATING INSTRUCTIONS

3.1 Navigating the Device

The THINKOBD 100 features a user-friendly interface with dedicated buttons for navigation:

- **UP/DOWN Buttons:** Navigate through menu options.
- **OK Button:** Confirm selection or enter a submenu.
- **RETURN Button:** Go back to the previous screen or exit a function.



Image: The main menu of the THINKOBD 100, showing options like Diagnose, DTC Lookup, Setup, and Help.

3.2 Full OBD2 Functions

The THINKOBD 100 supports all 10 modes of OBD2 diagnostics:

- **Read Codes:** Displays Diagnostic Trouble Codes (DTCs) and their descriptions.
- **Erase Codes:** Clears DTCs from the vehicle's computer and turns off the Malfunction Indicator Light (MIL).
- **Live Data:** Displays real-time data stream from the vehicle's sensors.
- **Freeze Frame:** Shows a snapshot of vehicle conditions when an emission-related fault occurred.
- **I/M Readiness:** Checks the readiness of the emission monitoring system.
- **O2 Sensor Test:** Retrieves O2 sensor monitor test results.
- **On-Board Monitor Test:** Retrieves test results for emission-related powertrain components and systems.
- **EVAP System Test (Mode \$8):** Initiates a test of the evaporative emission control system.
- **Vehicle Information:** Retrieves vehicle identification number (VIN), calibration ID (CALID), and calibration verification number (CVN).

- **DTC Code Look-up:** Provides detailed descriptions of generic (P0, P2, P3, B0, C0, U0) and manufacturer-specific (P1, P3, B1, C1, U1) codes.

FULL OBD2 FUNCTIONS



Image: A visual representation of the full OBD2 functions supported by the THINKOBD 100, including Read Codes, Clear Codes, Live Data, and more.

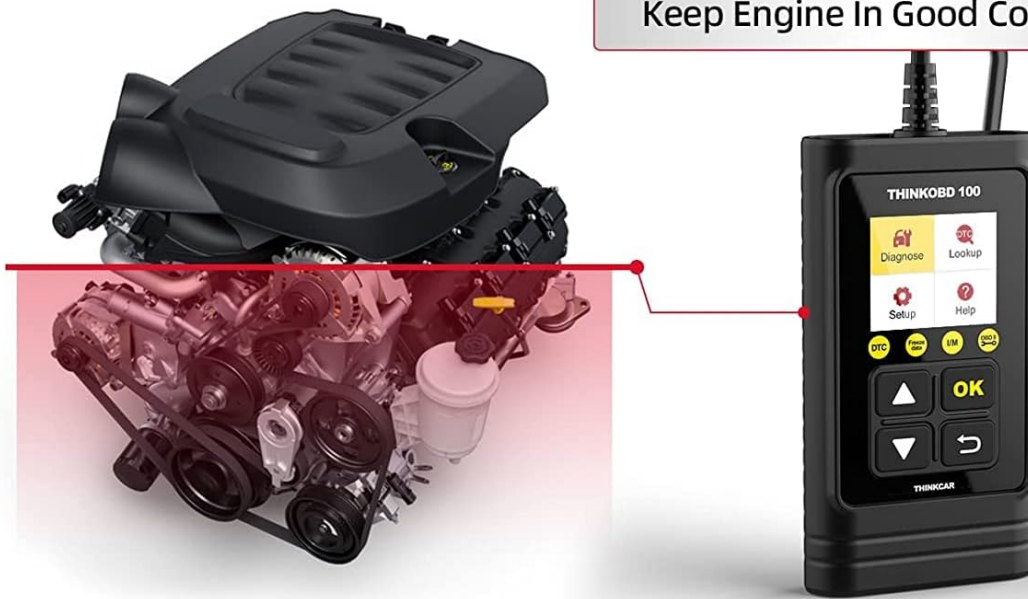
3.3 Checking Engine Light (MIL)

The Malfunction Indicator Light (MIL), commonly known as the Check Engine Light, illuminates when the vehicle's onboard diagnostic system detects a problem. The THINKOBD 100 can help you understand and manage this light:

- **Read Codes:** Use this function to identify why the MIL is on. The device will display the specific DTCs.
- **Erase Codes:** After addressing the underlying issue, use this function to clear the DTCs and turn off the MIL. Note: Clearing codes without fixing the problem will likely result in the MIL reappearing.

CHECK ENGINE LIGHT (MIL)

Keep Engine In Good Condition



Erase Engine Fault Code



Turn Off Engine Light



Image: A diagram illustrating how the THINKOBD 100 can be used to check the engine light (MIL) and then erase the engine fault code to turn off the light.

3.4 DTC Lookup

The DTC Lookup function allows you to quickly find detailed descriptions of Diagnostic Trouble Codes without needing to search online. Simply input the code displayed on the screen, and the device will provide its meaning.

DTC LOOKUP

Don't Need to Search Online



Image: The DTC Lookup screen on the THINKOBD 100, showing how to input a code and receive its description directly on the device.

3.5 I/M Readiness (Smog Check)

I/M Readiness indicates whether the various emission-related systems on the vehicle are operating correctly and are ready for inspection and maintenance testing (smog check). A 'Ready' status means all monitors have completed their diagnostic cycles. If a monitor is 'Not Ready', it may require further driving cycles.

I/M REDINESS (SMOG CHECK)



Rich to lean sensor

Teas ID	\$05
Value	0.180s
Min	0.000s
Max	0.150s
Status	Pass

I/M Readiness

Misfire monitor	OK
Fucl system	OK
Fucl System	OK
Comp.component	OK
Catalyst monitor	OK

1/4

Image: The I/M Readiness (Smog Check) screen of the THINKOBD 100, displaying the status of various emission monitors like Misfire, Fuel System, and Catalyst.

4. MAINTENANCE

4.1 Cleaning and Storage

- Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Store the device in a dry, cool place, away from direct sunlight and extreme temperatures.
- Keep the OBD2 connector free from dust and debris.

4.2 Software Updates

Periodically check the THINKCAR official website for software updates. Updates can improve performance, add new features, or enhance vehicle compatibility. Connect the device to a computer via the USB cable for any available updates.

5. TROUBLESHOOTING

If you encounter issues with your THINKOBD 100, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Loose connection to DLC; Vehicle ignition not ON; Vehicle battery low.	Ensure the OBD2 connector is firmly plugged in. Turn vehicle ignition to 'ON'. Check vehicle battery.
Communication error with vehicle.	Incorrect protocol; Faulty DLC; Non-OBD2 compliant vehicle.	Verify vehicle is OBD2 compliant (most vehicles 1996 and newer). Check DLC for damage. Try on another OBD2 compliant vehicle.
Cannot clear codes.	Engine not running; Underlying fault still present.	Ensure engine is running. Fix the underlying issue causing the DTCs before attempting to clear.
Screen is frozen.	Software glitch.	Disconnect the device from the vehicle, wait a few seconds, then reconnect.

6. TECHNICAL SPECIFICATIONS

- **Model:** TKB01
- **Display:** 1.77-inch LCD Color Screen
- **Operating Voltage:** 9-18V DC (from vehicle OBD2 port)
- **Dimensions:** Approximately 18 x 12 x 5 cm
- **Weight:** Approximately 270 g
- **Supported Protocols:** ISO 14230-4 (KWP2000), ISO 15765-4 (CAN), ISO9141-2 (iso), ISO14229 (uds), SAEJ1850 (VPW&PWM)
- **Supported Languages:** English, Italian, Japanese, Spanish, French, Portuguese, Russian, German
- **Operating System:** Android 11.0 (internal system)

SUPPORT MOST WORLDWIDE VEHICLE SINCE 1996

ISO 14230-4 (KWP2000)
ISO14229 (uds)

ISO 15765-4 (CAN)
SAEJ1850 (VPW&PWM)

ISO9141-2 (iso)

1996

US-based



2000

EU-based



2008

Asia-based



Supports 8 Languages



English



Italian



Japanese



Spanish



French



Portuguese



Russian



German

Image: Information on the THINKOBD 100's compatibility, showing support for various OBD2 protocols and 8 different languages.

7. WARRANTY AND SUPPORT INFORMATION

The THINKCAR THINKOBD 100 comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official THINKCAR website. For technical support, product inquiries, or service requests, please contact THINKCAR customer service through their official channels. Ensure you have your product model number (TKB01) and purchase details ready when contacting support.

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

Open the live page

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