

THINKCAR THINKSCAN 641

THINKCAR THINKSCAN 641 Wireless OBD2 Scanner Diagnostic Tool User Manual

Model: THINKSCAN 641

1. PRODUCT OVERVIEW

The THINKCAR THINKSCAN 641 is a wireless OBD2 diagnostic tool designed for comprehensive vehicle system analysis. It provides diagnostic functions for Engine, Transmission, ABS, and SRS Airbag systems, along with full OBD2 modes and 10 essential maintenance reset services. The device features a touchscreen interface and connects wirelessly via Bluetooth to the vehicle's OBD-II port.

1.1 Package Contents

- THINKCAR THINKSCAN 641 OBD2 Scanner (x1)
- Bluetooth Connector (x1)
- Product Manual (x1)

1.2 Device Components

Familiarize yourself with the main components of your THINKSCAN 641 device:

- **OBD Interface:** Port for the Bluetooth connector.

2. SETUP

2.1 Initial Connection

To begin using your THINKSCAN 641, follow these steps to establish a connection with your vehicle:

1. Locate your vehicle's OBD-II port, typically found under the dashboard on the driver's side.
2. Plug the included Bluetooth 5.0 VCI Dongle into the vehicle's OBD-II port.
3. Turn on the vehicle's ignition (engine off, key on).
4. Power on the THINKSCAN 641 handheld unit by pressing and holding the Power/Screen Lock Button for 3 seconds.
5. The device will automatically attempt to connect via Bluetooth. A stable connection should be established within 3 seconds.

Help You Ace Your Emissions Test

Save on unnecessary mechanic fees and pass your smog test yourself.



Image: Bluetooth VCI Dongle connected to the vehicle's OBD-II port.

2.2 Automatic Vehicle Identification (AutoVIN)

The THINKSCAN 641 supports AutoVIN functionality, which automatically identifies your vehicle's information upon connection. If AutoVIN fails for your specific vehicle model, you can manually enter the vehicle information to proceed with diagnostics.

2.3 Software Updates

The device supports lifetime free software updates via Wi-Fi. Ensure your device is connected to a stable Wi-Fi network to download and install the latest software versions, which include new vehicle models and improved functionalities.



Image: Lifetime Free Update icon.

2.4 Instructional Video: How to Use

Your browser does not support the video tag.

Video: This video demonstrates the basic steps for connecting and using the THINKCAR THINKSCAN 641 diagnostic tool, including menu navigation and initiating a scan.

3. OPERATING INSTRUCTIONS

3.1 4-System Diagnostics

The THINKSCAN 641 provides in-depth diagnostics for four core vehicle systems:

- **Engine System:** Reads and clears engine fault codes, views live data, and performs various engine-related tests.
- **Anti-lock Braking System (ABS):** Diagnoses ABS issues, reads and clears ABS fault codes, and performs ABS bleeding.
- **Supplemental Restraint System (SRS/Airbag):** Detects and clears airbag system fault codes, and performs SRS resets.
- **Transmission System:** Analyzes transmission performance, reads and clears transmission fault codes.

THINKCAR 641 OBD2 SCANNER HELP YOU BETTER OWN YOUR RIDE

4 Systems Diagnostics

- Life time Free Update
- 10+ Special Functions
- Auto Scan & Auto VIN
- FCA AutoAuth & CAN FD

Bluetooth Connection

- Full OBD2 Modes
- Battery Voltage Display
- 100000+ Vehicles
- 28 Languages
- 4 in 1 Live Data
- 118+ Car Brands

Ideal for:

- DIY Car Owners
- Home Mechanic
- Maintenance Technician
- Professional Mechanic
- Small Repair Shop
- DIY Enthusiasts

4.3" Touch Screen | 3150 mAh Battery | 32G ROM | Type C Charging | Convenient Buttons | And More

Image: Overview of 4-System Diagnostic capabilities.

3.2 Full OBD2 Modes

The device supports all 10 OBD2 test modes, offering comprehensive diagnostic capabilities:

- **Read Codes:** Displays Diagnostic Trouble Codes (DTCs).
- **Clear Codes:** Clears DTCs and resets monitors.
- **Live Data:** Shows real-time data stream from vehicle sensors.
- **Freeze Frame:** Stores a snapshot of vehicle operating conditions when an emission-related fault occurs.
- **I/M Readiness:** Checks the status of emission-related monitors.
- **O2 Sensor Test:** Retrieves O2 sensor monitor test results.
- **On-Board Monitor Test:** Retrieves results for emission-related powertrain components and systems.
- **EVAP System Test:** Initiates a test of the Evaporative Emission Control System.
- **Vehicle Information:** Retrieves vehicle identification number (VIN), calibration ID, and calibration verification number (CVN).
- **DTC Lookup:** Provides detailed explanations for diagnostic trouble codes.

FULL OBD2 MODES FUNCTIONS



Image: Full OBD2 Modes functions display.

3.3 10 Maintenance Reset Functions

The THINKSCAN 641 includes 10 specialized maintenance and reset functions:

- **ABS Bleeding:** Bleeds air from the brake system.
- **Airbag (SRS) Reset:** Resets the airbag system after repairs.
- **Battery Matching:** Registers a new battery to the vehicle's ECU.
- **Brake Pad Reset:** Resets the brake pad life after replacement.
- **DPF Regeneration:** Initiates the Diesel Particulate Filter regeneration process.
- **Electronic Throttle Adaptation:** Relearns the throttle body position.
- **Injector Coding:** Codes new injector numbers to the ECU.
- **Oil Service Reset:** Resets the oil service light after an oil change.
- **Steering Angle Reset:** Resets the steering angle sensor.
- **TPMS Reset:** Resets the Tire Pressure Monitoring System.

10 Full Upgraded Maintenance Reset Functions

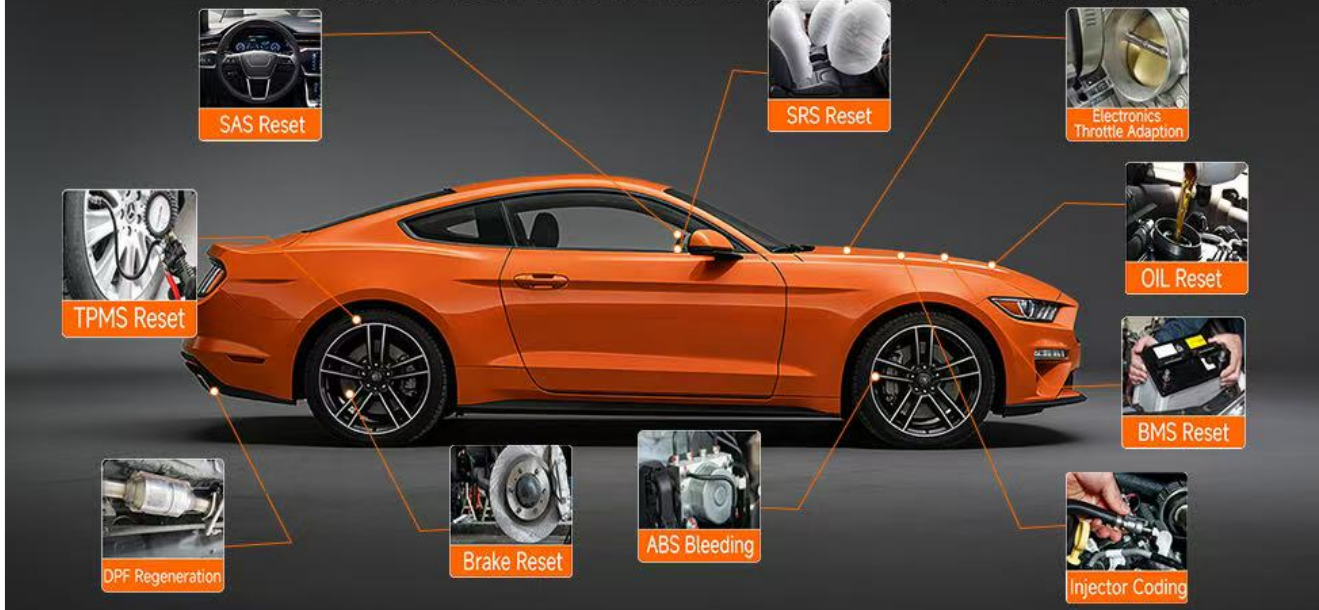


Image: 10 Maintenance Reset Functions.

3.4 Live Data Graphing

The device allows for real-time graphing of multiple sensor readings simultaneously, aiding in the diagnosis of intermittent issues and performance analysis.



Image: Live Data Stream icon.

3.5 Vehicle Compatibility

The THINKSCAN 641 is compatible with all OBDII-compliant vehicles manufactured in 1996 or later, covering over 118 automotive brands. It also supports the CAN FD protocol and FCA AutoAuth certification. Note that access to FCA AutoAuth requires a separate purchase and is currently supported for Renault, Nissan, and Chrysler brands.

Wide compatibility

Free Update
for lifetime

4-in-1 scanner for
118+ vehicles brands



28 Languages

EU-Based Cars Since 2000



Abarth, Alfa Romeo, Aston Martin, Audi, BMW, Bentley, Bugatti, Citroën, Dacia, DR, Ferrari, Fiat, Fiat (Brazil), Iveco, Jaguar, Land Rover, Lancia, Lamborghini, Maserati, Maybach, Mercedes-Benz, Mini, Opel, Opel (South Africa), Peugeot, Porsche, Renault, Rolls Royce, Volkswagen (VW), Volkswagen (VW) CV, Vauxhall, Volvo

USA-Based Cars Since 1996



Buick, Buick (China), Cadillac, Cadillac (China), Chevrolet, Chrysler (China), Chrysler, Dodge, Ford, Ford (Europe), GM, GM (Brazil), Jeep, Lincoln

Asian-Based Cars Since 2008



DFSK, FAW(Tianjin), FAW Car, Foton, GWM, Geely, Gonow, Haima, JAC, JMC Refine, JAC, Jetour, Jintong, Jolyon, Karry, MG(SAIC), Maxus, Trumpchi, Qoros, ZX Auto, Zotye, Luogon, JKCO, United Pakistan, Vinfast, BAIC, BYD, Brilliance, Changan, Changhe, Changan Suzuki, Chery, Cowin, Di Aolus, J, Dafaitasu, DPV(Fengeng), FUSO, Hino, Honda, Infiniti, Isuzu, Isuzu(Thailand), Lexus, Mazda, Mitsubishi, Nissan, Suzuki, Suzuki(Indo), Toyota, Aura, Kia (Iran), Kia(Korea), Kia Plus, Renault(Korea), Force, Mahindra(India), Maruti(India), Tata, Tata(India), Ford(Australia), Holden(Australia), Perodua (Malaysia), Proton, Proton(Malaysia), GAZ, IZH, VAZ

Image: Wide compatibility with various car brands and regions.

4. MAINTENANCE

4.1 Routine Maintenance Resets

Utilize the 10 maintenance reset functions to perform routine service tasks and clear corresponding indicator lights after repairs. This includes tasks such as oil service resets, brake pad replacements, and battery registrations.

4.2 Software Updates

Regularly check for and install software updates via Wi-Fi to ensure your device has the latest vehicle coverage and diagnostic capabilities. Updates are provided free for life.

5. TROUBLESHOOTING

5.1 Clearing Fault Codes

When a fault code is detected, it is crucial to diagnose and fix the underlying issue before clearing the code. Clearing codes without addressing the root cause will likely result in the fault code reappearing.

THINKCAR 641 OBD2 SCANNER HELP YOU BETTER OWN YOUR RIDE

4 Systems Diagnostics **Bluetooth Connection**

Life time Free Update **10+ Special Functions** **Auto Scan & Auto VIN** **FCA AutoAuth & CAN FD**

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4.3" Touch Screen 3150 mAh Battery 32G ROM Type C Charging Convenient Buttons And More

Image: Reminder to fix vehicle faults before clearing codes.

5.2 AutoVIN Failure

If the AutoVIN feature does not automatically identify your vehicle, proceed by manually entering the vehicle's information (make, model, year) to continue with the diagnostic process.

5.3 User Interface Navigation

While the device is designed for ease of use, some advanced functions may require familiarity with diagnostic procedures. Refer to the built-in DTC Lookup Library for code definitions and consult the online customer service for further assistance if needed.

6. SPECIFICATIONS

Feature	Specification
Brand	THINKCAR
Model Number	THINKSCAN 641
Power Source	Battery Powered
Operating System	Android 8.1
Screen Size	4.3 Inches
Language	English (supports 23 languages)
Automotive Fit Type	Universal Fit
Item Weight	0.9 Pounds

Feature	Specification
Connectivity	Bluetooth 5.0 (Wireless)
Updates	Lifetime Free Updates via Wi-Fi
Supported Protocols	OBDII, CAN FD, FCA AutoAuth (separate purchase for specific brands)

7. WARRANTY AND SUPPORT

7.1 Manufacturer's Warranty

The THINKCAR THINKSCAN 641 comes with a 3-year manufacturer's warranty, ensuring coverage for potential defects or malfunctions.

7.2 Technical Support

Lifetime free technical support is provided for the THINKSCAN 641. For assistance, you can access the built-in online customer service feature directly from the device. This allows for direct communication with professional support staff to resolve any queries or issues.

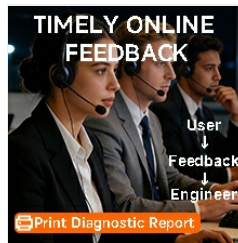


Image: Timely Online Feedback and Support.