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› TOPDON Phoenix Lite 2 Bidirectional Scan Tool User Manual

TOPDON Phoenix Lite2

TOPDON Phoenix Lite 2 Bidirectional Scan Tool User Manual

Model: Phoenix Lite2

1. INTRODUCTION

The TOPDON Phoenix Lite 2 is a powerful bidirectional scan tool designed for comprehensive automotive diagnostics. Featuring an Android 10.0 operating system, an 8-inch LCD display, and a robust 12600mAh battery, it offers OE-level full system diagnostics, ECU coding, and over 34 maintenance services. This manual provides essential information for setting up, operating, and maintaining your device to ensure optimal performance.

2. WHAT'S IN THE BOX

- OBD2 Scanner (Phoenix Lite 2 tablet)
- User Manual
- Power Adaptor
- USB Cable

INCLUDED ADAPTERS and ACCESSORIES

Abundant adapters and accessories to get more done



Figure 2.1: Included Adapters and Accessories for the Phoenix Lite 2.

3. SETUP AND GETTING STARTED

1. **Power On:** Press and hold the power button to turn on the Phoenix Lite 2 tablet.
2. **Language Selection:** Follow the on-screen prompts to select your preferred language.
3. **Wi-Fi Connection:** Connect the device to a stable Wi-Fi network for software updates and online functions.
4. **Account Registration:** Register your TOPDON account or log in if you already have one. This is essential for activating the device and receiving updates.
5. **MDCI Activation:** Activate the MDCI (Main Diagnostic Communication Interface) using the serial number and activation code provided with your device.

Video 3.1: Initial setup and activation process for the Phoenix Lite 2.

4. KEY FEATURES AND OPERATING INSTRUCTIONS

4.1 OE-Level All System Diagnostics

The Phoenix Lite 2 provides comprehensive OE-level diagnostics for over 200 vehicle models. It can perform ECU lookup, read and clear fault codes, and read data streams across all vehicle systems, including Engine, Transmission, Airbag, ABS, ESP, and TPMS.

OE-LEVEL
ALL SYSTEM DIAGNOSTICS

Provide OE-level all system diagnostics for vehicle health status of **200+** models.

200+

TOPDON

Scan

VINSCAN AB Recently American European Asian Chinese

DEMO	EDSO/OBDI	ABARTH	ACURA	ALFA ROMEO
ASTON MARTIN	AUDI	SENOIA (BAIC)	WEIANG (BAIC)	BJEV
BAIC	BENTLEY	BMW	BRELLIANCE	BUGATTI

Phoenix Lite 2

ECU Lookup
Read & Clear Fault Codes
Read Data Streams

Figure 4.1: Overview of OE-Level All System Diagnostics capabilities.

4.2 Bidirectional Control

This feature allows the scan tool to send commands to the vehicle's ECU and control actuators to perform specific actions. This is crucial for verifying diagnoses and pinpointing problem areas, such as testing fuel injectors, coolant fans, or windows.

BI-DIRECTIONAL CONTROL

Perform individual tests for a specific subsystem or component to check if the actuator functions well.



Figure 4.2: Examples of Bidirectional Control in action.

4.3 Online/ECU Coding

The Phoenix Lite 2 supports online/ECU coding for various vehicle brands (e.g., VW, SEAT, SKODA, PORSCHE, BENZ, BMW). This function is used to match and code newly replaced ECUs and can unlock hidden functions like auto-folding mirrors or horn alerts.

ONLINE/ECU Coding

Components Matching & Unlock Hidden Functions



Figure 4.3: Online/ECU Coding interface and supported vehicle brands.

4.4 34+ Maintenance Service Functions

The tool offers a wide range of maintenance services, including Oil Reset, EPB Reset, DPF Regeneration, Gear Learning, Suspension Reset, Throttle Adaptation, and Windows Calibration, among others. These functions are designed to assist with professional auto maintenance tasks.

34+ MAINTENANCE SERVICE FUNCTIONS

Vary by vehicle's make, model, and year.



- | | |
|---------------------------|-------------------------------------|
| 9. Turbocharging Matching | 22. Odometer Calibration |
| 10. Sunroof Reset | 23. Seat Calibration |
| 11. Suspension Reset | 24. STOP/START |
| 12. Gearbox Reset | 25. Reset AIRBAG |
| 13. AFS Headlamp Reset | 26. Transport Mode |
| 14. Gear Learning | 27. TIRE Reset |
| 15. TPMS Reset | 28. Windows Calibration |
| 16. A/F Reset | 29. Clutch Matching |
| 17. ADBLUE Reset | 30. ECU Reset |
| 18. Coolant Bleed | 31. FRM Matching |
| 19. EGR Reset | 32. Gateway Module Data Calibration |
| 20. Language Change | 33. Rainfall Light Sensor |
| 21. NOx Sensor Reset | 34. |

Figure 4.4: Examples of available maintenance service functions.

4.5 V.A.G Guided Function

For VW, SKODA, and SEAT vehicles, the V.A.G Guided Function provides step-by-step procedures for matching, calibrations, and basic settings, simplifying complex diagnostic processes.

V.A.G GUIDED FUNCTION

Skip the security access code and channel numbers to perform matching, calibrations, and more settings.



Figure 4.5: Visual representation of the V.A.G Guided Function.

4.6 FCA AutoAuth Gateway Access

The Phoenix Lite 2 supports FCA Gateway Access, enabling enhanced diagnostics on modern FCA vehicles (Chrysler, Dodge, Jeep, Alfa Romeo, Fiat). This allows for clearing DTCs, performing active tests, reading codes, and monitoring live data.

4.7 Health Report and Clear Fault Code

The