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Autel MK908P

Autel MaxiCom MK908P Scanner Instruction Manual

Brand: Autel | Model: MK908P

1. Introduction

The Autel MaxiCom MK908P is an advanced diagnostic scan tool designed for comprehensive vehicle analysis and maintenance. This device offers extensive coverage for a wide range of vehicle models from 1996 to 2022, providing OE-level diagnostics, ECU programming, and coding capabilities. It is equipped with a robust hardware configuration to ensure efficient and reliable performance in professional automotive repair environments.

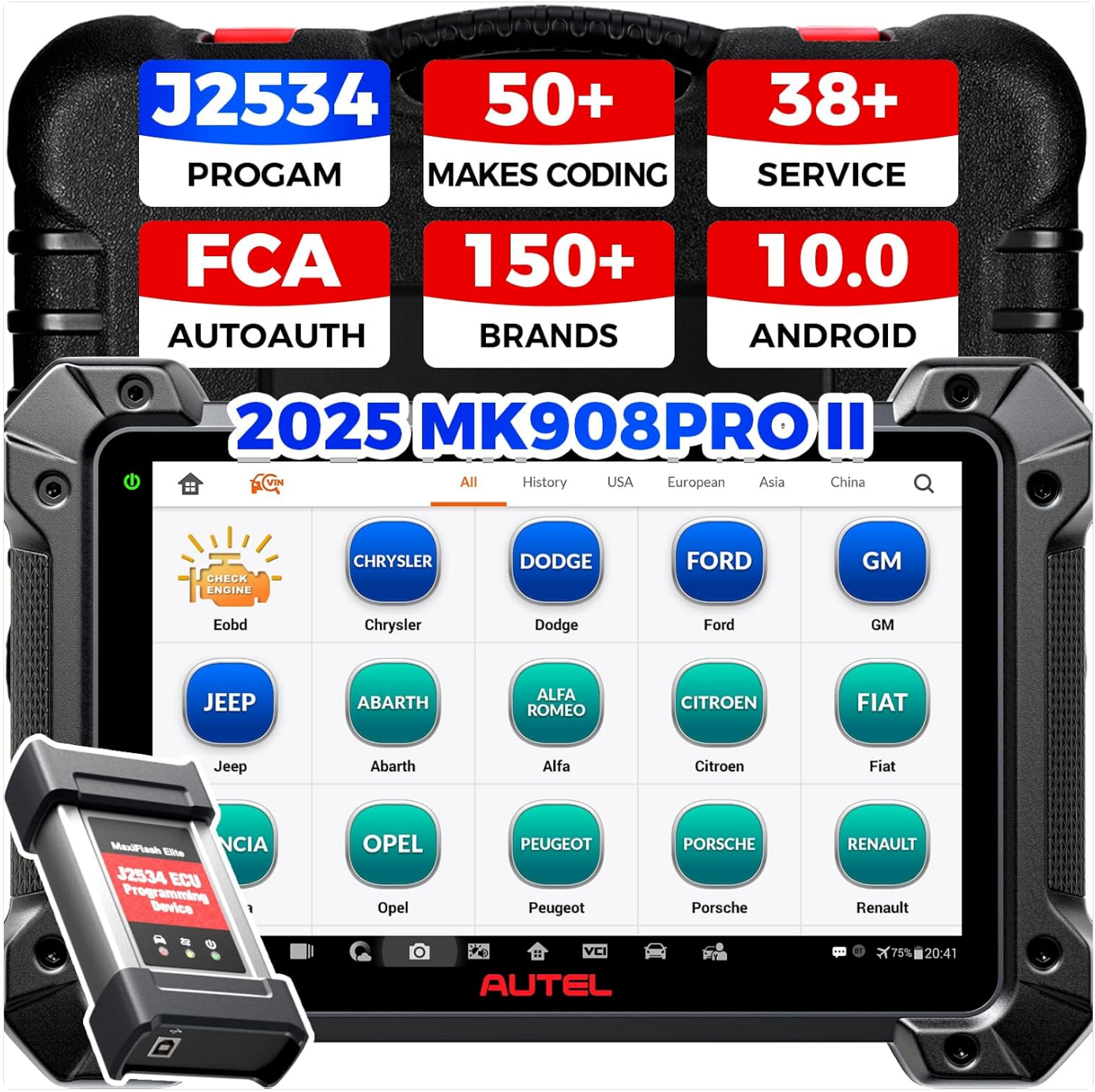


Figure 1: Autel MaxiCom MK908P Diagnostic Scanner. This image displays the main unit of the Autel MaxiCom MK908P scanner, highlighting its key features such as J2534 programming, extensive vehicle coverage, and multiple service functions.

Key features include J2534 Programming, advanced ECU Coding, Bi-Directional Control, and over 36 specialized service functions. The MK908P also supports AutoAuth for FCA SGW vehicles, allowing access to protected modules for diagnostics and functions.

2. Setup

2.1 Initial Power-On and Configuration

1. Ensure the device is fully charged or connected to a power source.
2. Press and hold the power button to turn on the device.
3. Follow the on-screen prompts to select your language, time zone, and Wi-Fi network. A stable internet connection is crucial for software updates and online functions.

2.2 Connecting to Vehicle

The MK908P utilizes the MaxiFlash Elite J2534 Pass-Thru Interface for vehicle communication. This interface connects the diagnostic tablet to the vehicle's OBDII port.

1. Locate the vehicle's OBDII port (typically under the dashboard).
2. Connect one end of the main diagnostic cable to the MaxiFlash Elite J2534 interface.
3. Connect the other end of the main diagnostic cable to the vehicle's OBDII port.
4. Ensure the MaxiFlash Elite J2534 interface is powered on and communicating with the MK908P tablet (via Bluetooth or USB cable).



Figure 2: Autel MaxiFlash Elite J2534 Interface. This image shows the J2534 Pass-Thru Interface, which is essential for connecting the diagnostic tablet to the vehicle for communication and programming.

3. Operating Instructions

3.1 Full System Diagnostics

The MK908P performs OE-level diagnostics across all available vehicle systems, including Engine, Transmission, ABS, Airbag, TPMS, BCM, and more. It can read and clear Diagnostic Trouble Codes (DTCs), display live data streams, and perform active tests.



Figure 3: Full System Diagnosis and Bi-Directional Control. This image illustrates the comprehensive diagnostic capabilities of the MK908P, including AutoVIN, DTC reading, live data, and active tests.

The device supports AutoVIN 2.0 technology for quick vehicle identification. Live data can be viewed in various formats, including graphical displays, to monitor vehicle performance in real-time.



Figure 4: 5-in-1 Live Data Display. This image shows the scanner's ability to display multiple live data parameters simultaneously for detailed analysis.

3.2 ECU Programming & Coding

The MK908P offers advanced ECU programming and coding functionalities, allowing users to:

- Reprogram adaptive data to certain components after repairs or replacements.
- Customize vehicle settings and unfold hidden features.
- Disable annoying functions to improve car performance.
- Perform online coding for specific brands like Porsche, VW, Audi, and Skoda.



Figure 5: ECU Programming & Coding. This image highlights the factory-level programming and advanced coding functions available on the MK908P.

The device also supports personalization features for various car brands.

Figure 6: Personalization Feature. This image shows the scanner's capability to personalize vehicle settings.

Component matching is also supported for proper integration of new parts.



Figure 7: Component Matching. This image depicts the component matching function, crucial for integrating new or replaced modules.

3.3 Service Functions

The MK908P provides over 36 repair and maintenance functions, making it suitable for various automotive service needs. These include, but are not limited to:

- Oil Reset
- TPMS (Tire Pressure Monitoring System) Reset
- ABS Bleeding
- EPB (Electronic Parking Brake) Service
- SAS (Steering Angle Sensor) Calibration
- Injector Coding
- BMS (Battery Management System) Reset
- Suspension Calibration
- Throttle Adaptation



Figure 8: 38 Maintenance Service Functions. This image showcases a selection of the numerous maintenance services available on the MK908P.

3.4 AutoAuth Access and Online Functions

The MK908P offers full access to protected FCA (Chrysler, Dodge, Jeep, Alfa Romeo, Fiat) vehicles from 2017 onwards via an authenticated AutoAuth account. This allows for diagnostics, bi-directional functions, active tests, and relearns on these vehicles by bypassing the SGW module.

Newly launched online functions allow the tool to obtain data directly from the server for tasks such as online account login service for VW, Audi, Skoda, online configuration for Renault, and online coding for Porsche.

The device also supports VAG Guided Functions, providing step-by-step assistance for complex diagnostics on Volkswagen, Audi, Skoda, and other VAG models.

3.5 Data Management and Reporting

The MK908P facilitates efficient data management, including pre-scan and post-scan reports. Pre-scan identifies vehicle issues before repair, while post-scan verifies all systems are functioning correctly prior to customer release, saving costs and increasing satisfaction.



Figure 9: Pre & Post Scan with WiFi Print. This image highlights the ability to generate and print detailed diagnostic reports.

All diagnostic reports can be saved to the cloud server, allowing for easy viewing, printing, or sharing to phones, tablets, and PCs by scanning a QR code or sending via text message and email.



Figure 10: Cloud Data Management. This image illustrates the cloud-based system for managing and sharing vehicle diagnostic data.

4. Maintenance

To ensure the longevity and optimal performance of your Autel MaxiCom MK908P scanner, regular maintenance is recommended:

- **Software Updates:** Keep the device's software updated to ensure compatibility with the latest vehicle models and access to new functions. The device provides 1-year free updating.
- **Cleaning:** Regularly clean the screen and exterior of the device with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
- **Battery Care:** The device is equipped with a 15000mAh battery. For optimal battery life, avoid extreme temperatures and fully discharge and recharge the battery periodically.
- **Storage:** Store the device in its protective case in a cool, dry place when not in use.

The MK908P also supports battery testing when used with compatible accessories like the BT506 (sold separately).



Figure 11: Battery Test Feature. This image shows the scanner's capability to perform battery tests, which can be useful for vehicle maintenance.

5. Troubleshooting

If you encounter issues with your Autel MaxiCom MK908P scanner, consider the following common troubleshooting steps:

- **No Power:** Ensure the device is charged or connected to a working power outlet. Check the power adapter and cable for damage.
- **Communication Error:** Verify that the MaxiFlash Elite J2534 interface is securely connected to both the vehicle's OBDII port and the tablet. Ensure Bluetooth communication is active or the USB cable is properly connected.
- **Software Glitches:** Restart the device. If the issue persists, check for available software updates. Note that not updating the software will not affect normal functions, but updates often include bug fixes and performance improvements.
- **Online Function Issues:** Confirm a stable internet connection. Some online functions require specific vehicle data or subscriptions.

The device features a

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