

User's Manual



Safety Precautions and Warnings

To prevent personal injury or damage to vehicles and / or the scan tool, read this user's manual first carefully and observe the following safety precautions at a minimum whenever working on a vehicle:

- Always perform automotive testing in a safe environment.
- Do not attempt to operate or observe the tool while driving a vehicle, Operating or observing the tool will cause driver distraction and could cause a fatal accident.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area. Exhaust gases are poisonous.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
- Put the transmission in P (for A/T) or N(M/T) and make sure the parking brake is engaged.
- Keep a fire extinguisher suitable for gasoline /chemical / electrical fires nearby.
- Don't connect or disconnect any test equipment while the ignition is ON or the engine is running.
- Keep the scan tool dry, clean free from oil/ water or grease. Use a mild detergent on a clean cloth to clean the outside of the scan tool when necessary.

About M100

1. JDiag M100 Motorcycle Scanner

1.1 M100 Moto Scanner Universal Motorcycle Scan Tool

- 1) M100 Moto Scanner is the new generation Handheld Motorcycle diagnostics tool, it covers virtually all major manufacturers' diagnostic functions. It helps the technician to diagnose problems and make repairs faster; many common procedures are written into the tool so the technician can follow them (injectors, ignition, coils, fuel pump, etc.).
- 2) It allows the technician to perform factory service procedures such as re-setting the service light, encoding keys, unlocking the immobilizer and configuring the immobilizer/alarm, making injection adjustments (COTrimmer), adjusting the throttle valve position sensor (TPS), re-setting auto adaptive parameters, and making idling adjustments.
- 3) The tool shows live data, displays ECU data, reads stored faults (history) or live data (RPM, battery voltage, throttle angle).

2. Features & Function:

2.1 Features

- Handheld operation, convenient and flexible to use.
- Support for SD cards to store data and upgrades.
- Reserved CAN bus interface.
- 3.2-inch color screen, clear display.
- Dynamic data with numerical and waveform.

2.2 Function

- Read system information
- Read fault code
- Freeze data
- Actuators test
- Trouble shooting guidance
- Anti-theft system test
- Read data stream
- Erase fault code
- CO idle speed adjustment
- ABS system test
- Tire pressure system test

3. Specifications



Power	DC10–15V
Operating Current	250mA
Storage temperature	-10 C to 85 C
Operating temperature	0 C to 70 C
Humidity	<90%
Upgrade Ports	USB port
Communication ports	COM port










4. Included



- 1) Scan Tool main unit
- 2) User's Manual
- 3) USB cable

5. Tool Description



- 1). **OBDII Connector** – Connects the scan tool to the vehicle's data link connector– DLC
- 2). **LCD Display** – Displays menus and test results.
- 3).  **Green LED** – indicates that engine System are running normally , The number of monitors on the vehicle which are active and performing their diagnostic testing is in the allowed limit, and no DTCs are present.
- 4).  **Yellow LED** – indicates there is a possible problem , A Pending DTC is present or some of the vehicle's emission monitors have not run their diagnostic testing.

- 5).  Red LED – indicates there is a problem in one or more of the vehicle's system , The Red LED is also used to show that DTCs are present , DTCs are shown on the scan tools emission monitors have not run their diagnosis testing.
- 6).  EXIT BUTTON – Return to previous menu.
- 7).  F1 BUTTON – Provides help information and Code Breaker function.
- 8).  F2 BUTTON –
- ① One – Click I/M Readiness key (OBDII&EOBD)
 - ② Backspace function (VW) .
- 9).  LEFT SCROLL BUTTON – Move cursor left for selection or turn page up when more than one page is displayed.
- 10).  UP SCROLL BUTTON – Move cursor up for selection.
- 11).  OK BUTTON – Confirms a selection or action from a menu list.
- 12).  RIGHT SCROLL BUTTON – Move cursor right for selection, or turn page down when more than one page is displayed.
- 13).  DOWN SCROLL BUTTON – Move cursor down for selection.

14).  +  – Press both buttons together to perform screen capture .

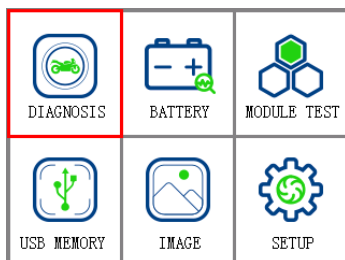
15). **USB CCONNECTOR** – Connects the scan tool to the PC for printing and upgrading.

Operation instructions

1. Connect M100

1.1 Turn the ignition on.

1.2 Locate the Moto Data Link Connector(DLC).



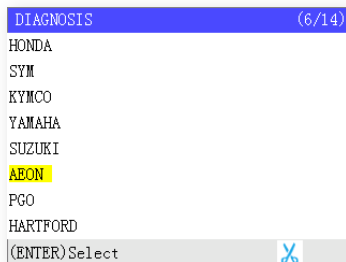
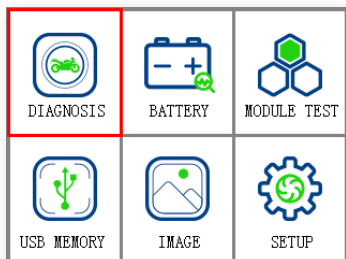
1.3 Main menu

- Diagnosis
- Battery
- Module Test
- Usb Memory
- Image
- Setup

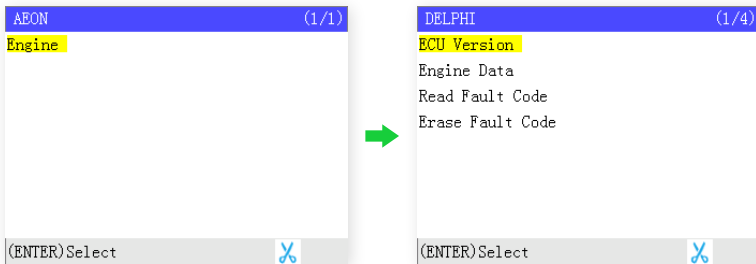
2. V600 Features

2.1 Diagnosis (Take AEON as sample)

Choose [Diagnosis] then press [OK] button. The Screen will display as follows:

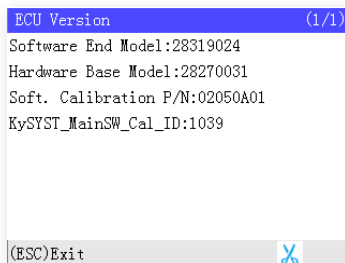


Select [AEON], press [OK] button. The screen will display as below:



2.1.1 ECU Version

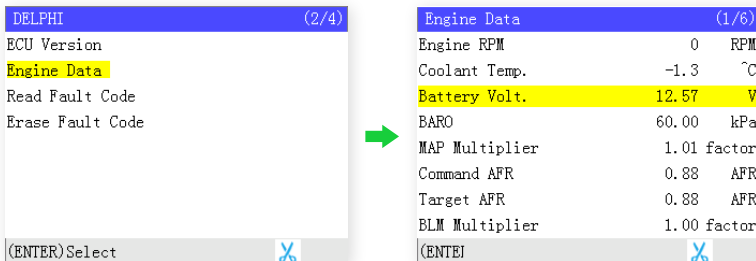
Choose [ECU Version] then press [OK] button. The Screen will display as follows:



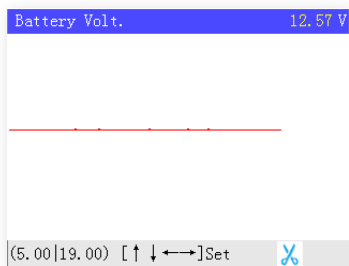
2.1.2 Engine Data

Current data is the numeric figures of the working status for motor engine, through this data we can know whether motor normally.

Choose [Engine Data] then press [OK] button. The Screen will display as follows:

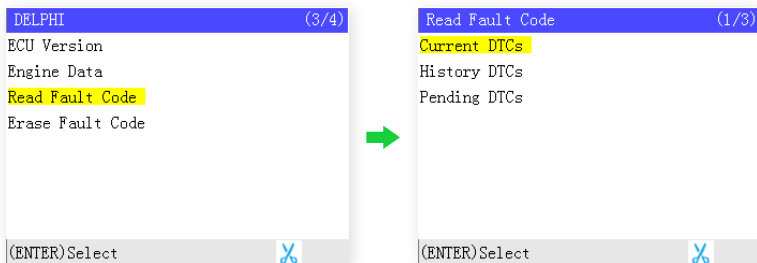


In the current page, you can press YES to enter waveform function, it is able to display numerical changes of the selected item. As below:

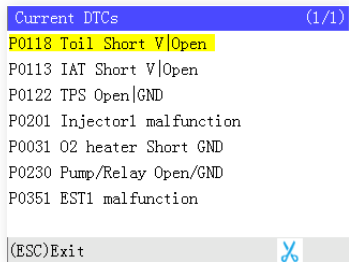


2.1.3 Read Fault Code

Choose [Read Fault Code] then press [OK] button. The Screen will display as follows:

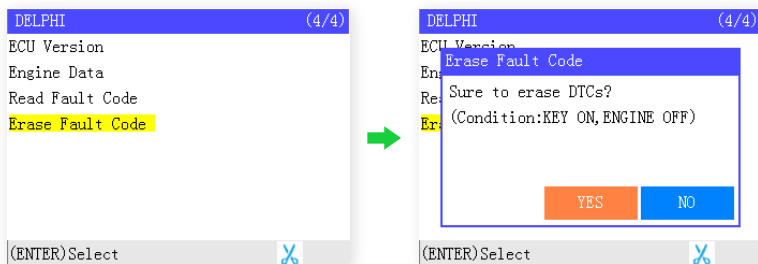


Select [Current Fault Code], press [OK] button. The screen will display as below:



2.1.4 Erase Fault Code

Choose [Erase Fault Code] then press [OK] button. The Screen will display as follows:

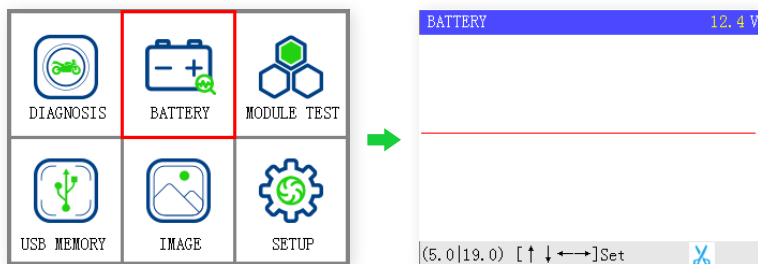


Note ! before erase fault code please switch on the key and not to start engine.

Press **Yes** to erase fault code.

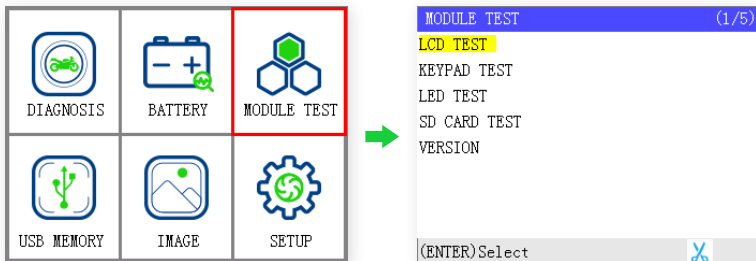
2.2 Battery

Choose [BATTERY] then press [OK] button. The Screen will display as follows:



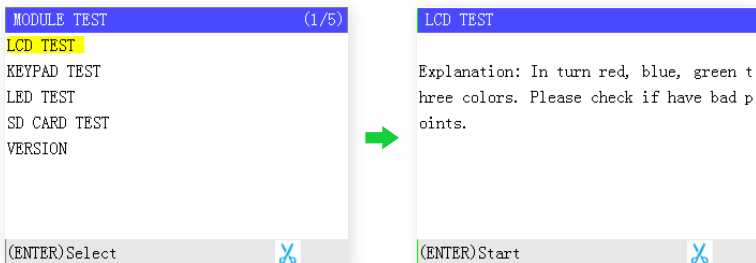
2.3 Module Test

Choose [MODULE TEST] then press [OK] button. The Screen will display as follows:



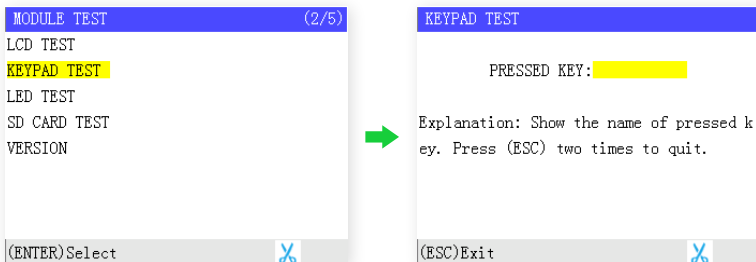
2.3.1 LCD Test

Choose [LCD TEST] then press [OK] button. The Screen will display as follows:



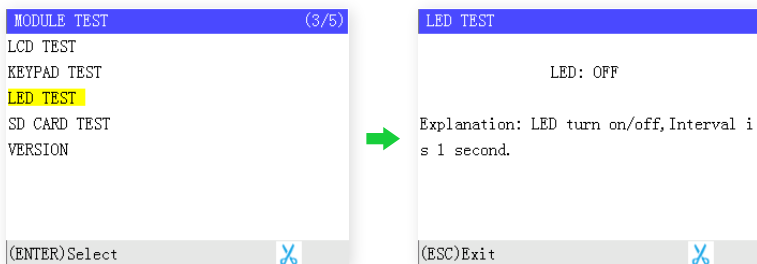
2.3.2 KEYPAD Test

Choose [KEYPAD TEST] then press [OK] button. The Screen will display as follows:



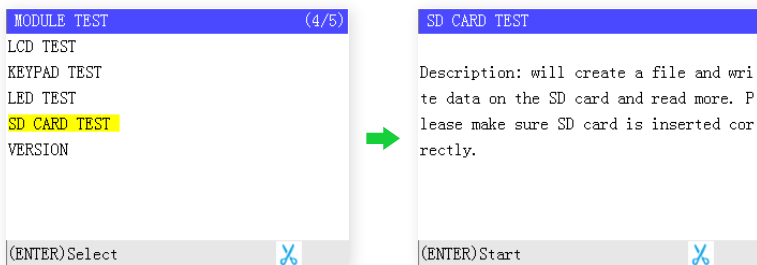
2.3.3 LED Test

Choose [LED TEST] then press [OK] button. The Screen will display as follows:



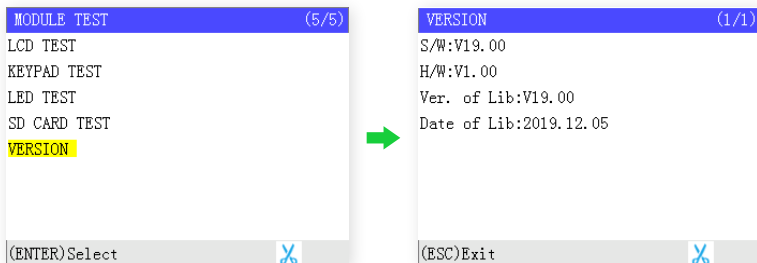
2.3.4 SD CARD TEST

Choose [SD CARD TEST] then press [OK] button. The Screen will display as follows:



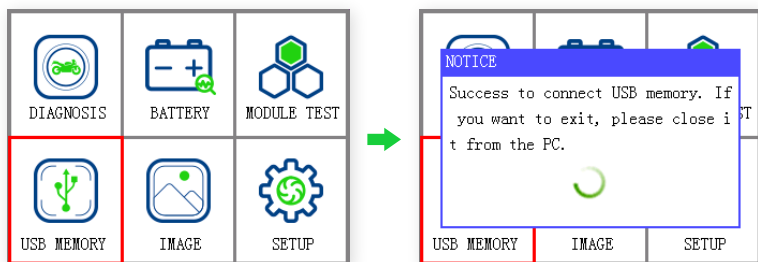
2.3.5 VERSION

Choose [VERSION] then press [OK] button. The Screen will display as follows:



2.4 USB MEMORY

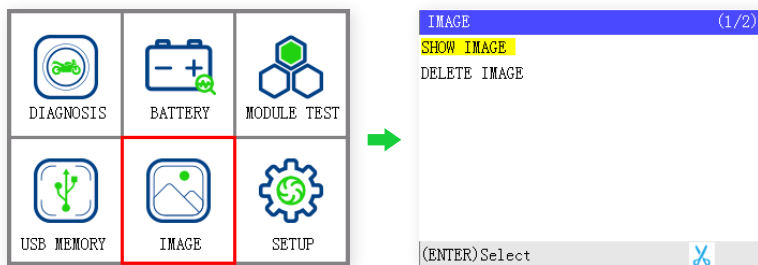
Choose [USB MEMORY] then press [OK] button. The Screen will display as follows:



Note: Select USB storage and connect USB cable with computer , then computer will detect device storage automatically .

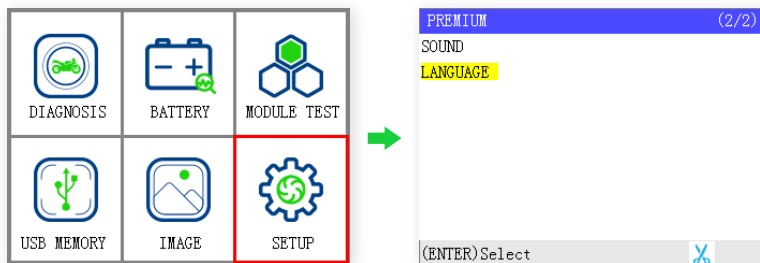
2.5 IMAGE

Choose [IMAGE] then press [OK] button. The Screen will display as follows:



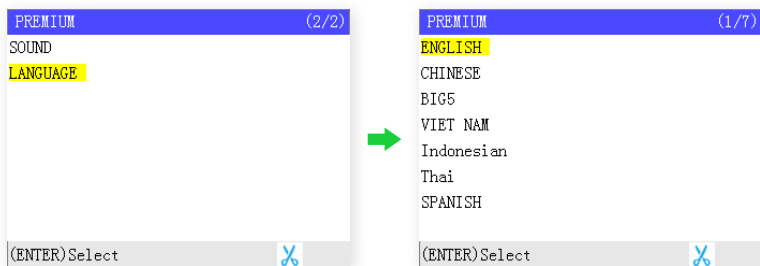
2.6 SETUP

Choose [SETUP] then press [OK] button. The Screen will display as follows:



2.6.1 Language Setting

Choose [LANGUAGE] then press [OK] button. The Screen will display as follows:



Update Mode

1. Update Mode

This function allows you to update the scan tool software and DTC library through a computer.

·To update your scan tool you need the following items.

1. Scan tool.
2. PC or laptop with USB ports.
3. USB CABLE

- 1) Download the upgrade files from JDiag website : www.jdiag.org.
- 2) Connect device with computer via USB cable.
- 3) Enter [USB MEMORY] – Select USB storage.
- 4) Copy the upgrade files to the device storage card.

Note: Please backup your files before update.



2. Service Procedures

If you have any questions, Please contact your local store, distributor or visit our website www.jdiag.org

If it necessary to return the scan tool for repair,
Contact your local distributor for more information.

JDiag Electronics Technology Co.,Ltd.

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Tel: +86-755-21005135

Web: www.jdiag.org

Add: 3rd Floor, building 4, binxianghua industrial park,
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RoHS
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