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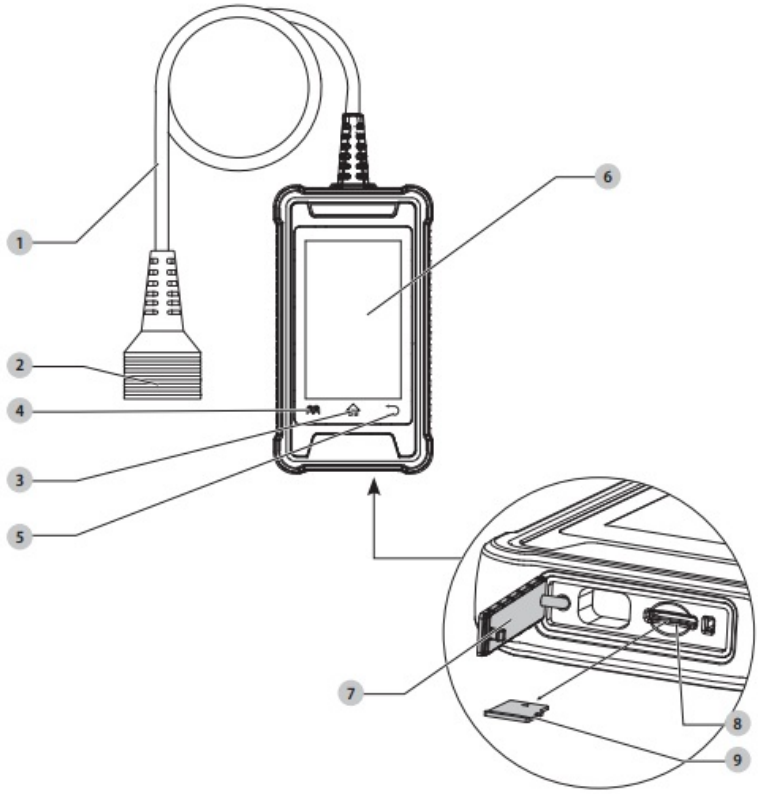
MAG TOOLS ET1600 Elite Code Reader

Specifications

- **Model:** ET1600
- **Manufacturer:** MACTOOLS.COM
- **Contact:** 1-800-662-8665
- **Language:** English

Product Overview



1. Diagnostic cable
2. DLC connector
3. Home butto
4. Settings button
5. ESC/EXIT button LCD screen
6. Cover
7. Micro SD card slot
8. Micro SD card

WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fir,,e and/or serious injury.
WARNING: To reduce the risk of injury, read the instruction manual

Intended Use

This code reader provides full OBDII/ EOBD diagnostic functions. DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to

hazardous situations and your risk of personal injury or property damage.
DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
NOTICE: Indicates a practice not related to personal injury which, if not avoided, may result in property damage. (Used without word) Indicates a safety-related message

GENERAL SAFETY INSTRUCTIONS

IMPORTANT SAFETY CONSIDERATIONS

WARNING: Before operating this device, be sure to read all content within this manual, ensuring that you understand the operating procedures, maintenance requirements, and all safety warnings. All users shall have an understanding of the product, its operating characteristics, and safety operating instructions before operating this device. Safety information shall be emphasized and understood.

WARNING: ALWAYS use safety glasses. Every day, yay eyeglasses are NOT safety glasses. Also, use a face or dust mask if the cutting operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:

- ANSI Z87.1 eye protection (CAN/CSA Z94.3)

WARNING:

- Study, understand, and follow all instructions before operating this device.
- No modifications shall be made to this product.
- Failure to heed these markings may result in serious personal injury/ property damage.
- Chock the drive wheels before testing with the engine running.
- Always place the transmission in park for automatic transmissions or neutral for manual transmissions, and ensure the parking brake is engaged.
- Keep a dry chemical fire extinguisher suitable for gasoline, chemical,l and electrical

fires within the work area.
- Ensure the ignition is in the off position before connecting or disconnecting any test equipment.
- Do not connect or disconnect any test equipment with the ignition on or engine running.
- Do not exceed the voltage limits between inputs specified in this instruction manual.

The label on your tool may include the following symbols. The symbols and their definitions are as follows.s

- Read the instruction manual before use.
- Federal Communications Commission, tested to comply with the FCC standard.
- Waste Electrical and Electronic Equipment separate collection.

This equipment has been tested and found to comply with the limits for a Class B digital device, under part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada’s license-exempt RSS(s). Operation is subject to the following two conditions:

- This device may not cause interference.

- This device must accept any interference, including interference that may cause undesired operation of the device..

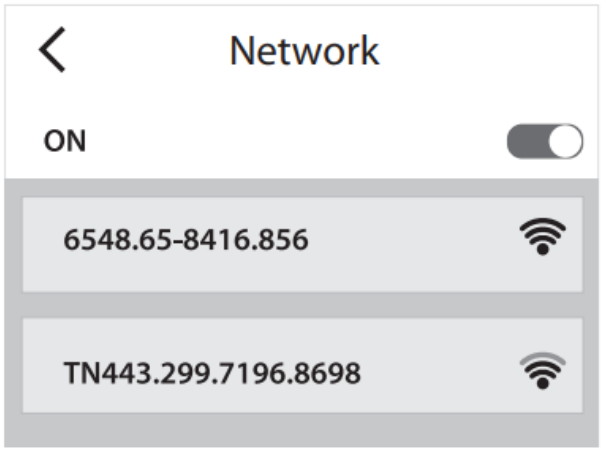
ASSEMBLY AND ADJUSTMENTS

Prior to each use, a visual inspection shall be made to the device by checking for abnormal conditions including cracks, leaks, and damaged, loose, or missing parts.

Connecting to Wifi

If it is the first time you have used this tool, you need to create some system settings.

1. Power on the tool by connecting the diagnostic cable to the vehicle's DLC.
2. The screen displays a welcome page.
3. Select Start to go to the next step.
4. Choose the desired system language, and select Next.
5. Choose the desired time zone, and select Next to enter the WLAN setup screen.
6. Slide the switch to ON. The system starts searching for all available wireless LANs.
7. Choose the desired WLAN access point/network, key (network password).
8. If the network you chose is open, you can connect directly.



9. If the selected network is encrypted, you have to enter the right security password.
   NOTE: If you choose Ignore in the WLAN setup, it will go into the date setting page. If the tool has been properly connected to the Internet, the system will automatically obtain the correct network date and time and move to the next step.
10. After the network connection is done, select Next Step to configure workshop information. Input the required information, and select Next Step.
    Note: After the tool is configured, the system will append it to the report every time a report is successfully generated.

11. Carefully read all terms and conditions of the user agreement, check the box before agreeing to all the above terms, and select OK fto inish the sign-up process and navigate to the Job Menu.

Select and Download the Reset Software

A total of three selectable special function software programs are available for download and use free of charge.

1. Select the desired software and go to Upgrade to download.
2. After downloading, it will appear in the Reset module.

NOTE:

- Be careful to select the reset software since you can not change it immediately after downloading it.
- The selected reset software is free to use for the first year. It can be updated at any time during this period. If it expires, it will be disabled. In this case, the user needs to renew the subscription via the Subscription Renewal Card. All software is updated periodically. It is recommended to update and install the latest software version for the best service, functions, and experience.
- To subscribe to other special function software, go to the Mall on the Job Menu to purchase it..

Job Menu

The job menu includes the following function modules

Menu Options

Diagnose	Configures the tool to operate as a professional diagnost ic tool.

OBD II	This option presents a quick way to check for DTCs, isol ate the cause of the illuminated. Ed. Malfunction Indicator Lamp (MIL), check monitor status p rior to emissions certification testing, verify repairs, and perform a number of other services that are emission rel ated.
Reset	This function allows you to perform different kinds of co mmon special functions.
Upgrade	To update the vehicle diagnostic software and APK. **NOTE:** This function requires a stable WLAN network co nnection.
Data	To review the report and data that be saved. Report and data can be stored automatically before device power off .
Settings	To manage data and make some system settings, includ ing network setup, workshop information, and brightness etc.

Upgrade

This function allows you to update the diagnostic app and software. All software is updated periodically.

NOTE: Ensure the Wi-Fi connection is strong and stable while updating.

1. It is recommended to check regularly for updates and install the latest software version for the best service, functions and experience.
2. Select Upgrade on the job menu to enter the update center.
3. By default, all diagnostic software is selected.
4. To deselect certain software, select unselect, and then check the box next to the vehicle model.
5. Select update to start downloading.
   NOTE: It may take several minutes to finish.
6. Once the download is finished, the software packages will be installed automatically.

Firmware Fix

WARNING: Do not disconnect, cut power, or switch to other interfaces while upgrading firmware.

1. Use this item to upgrade and fix diagnostic firmware.

Mall

This function allows you to subscribe to other vehicle diagnostic software and reset software that are not preinstalled on the tool. All diagnostic software in the mall covers full systems and full functions excluding online programming and coding etc. Different vehicle software is tagged with a different price.

1. Select Mall to open the online software store.
2. Select the target software and follow the on-screen instructions to finish the transaction.
   NOTE: The software service belongs to the virtual goods. It becomes immediately effective from the date of the successful transaction and it does not accept the refund.
3. Confirm the order information when making payments.
4. The subscribed software is free to use for one year. After it expires, it will become disable,,d and you will need to renew the subscription to reactivate it.

Settings

Units of measurement

- Designed to set the measurement unit. Metric units and Standard units are available.

Automatic detection on connect

- Enables you to determine whether to start an automatic VIN detection once the tool is properly connected to the vehicle’s DLC.

Brightness

- Allows you to set the screen brightness. Reducing the brightness of the screen is helpful to conserve power. Sound
- Lets you adjust the volume and other sound settings.Network
- Once WLAN is set to ON, the tool will consume more power. While it is unused, set it OFF to save power. While WLAN is unused, turn the unit OFF to conserve power.
- The tool has a built in WLAN module that can be used to get online. Once you’re online, you can register your tool and update the diagnostic software and APK.
    1. Slide the switch to ON, the system starts searching for all available WLANs.
    2. Choose the desired WLAN access point/network to connect.

Time Zone

- Allows you to set the time zone.

Language

- The tool supports multiple languages. Use this option to change the system language to the target language.

Workshop Information

- Allows you to add a personalized tag on the diagnostic reports. After configured the system will append it on thereport every time a report is successfully generated.

Recovery

WARNING: Resetting may cause data loss.

- Reset this tool to the default factory setting.

Clean Up

- Clear some cache files and free up storage space. After the clean up, the tool will reboot automatically.

Screen Capture

- When set to ON, a floating screenshot icon will appear on the screen. Select it to capture the current screen. All screenshots are saved under Settings -> Data ->Image.

About

- Displays the hardware configuration information of the tool and the license agreement. Data

Diagnostic Record

- If a user records the running parameters or waveform graphs while reading the data stream, it will be saved as diagnostic records and appear under this tab.
    - Select a diagnostic record to enter and select the desired data stream items, and select OK to jump to the playback page.

On-Screen Buttons

- **The graph** displays the parameters in waveform graphs.
- **Combined**, this option is mostly used in the graph merge status for data comparison. In this case, different items are marked in different colors.
- **Value**: This is the default mode, which displays the parameters in text and shows them in a list format.
- **Frame playback** plays back the recorded data stream items frame by frame. Once it is in frame playback mode, this button changes into auto-playback.
- **Frame playback** plays back the recorded data stream items. Once it is in auto-playback mode, this button changes into frame playback.

Diagnostic Report

- Stores all diagnostic reports generated in the process of vehicle diagnosis.
- Diagnostic reports are sorted by date and make. If there are too many reports stored, select search to filter and quickly locate them.

DTC Library

- Retrieve the detailed description of a certain DTC from the local DTC database.
    - Swipe the screen upwards / downwards to alter the value, then select OK. The screen will display the definition of the DTC.

DLC (Data Link Connector) Location

- Find the location of the vehicle’s DLC.

Image

- View and manage all screenshots. Feedback
- Send feedback on your diagnostic problems to Mac Tools® for analysis and troubleshooting.
- IF you select Feedback, the following three options will be displayed on the screen:
- **Feedback**: Select a tested vehicle model to enter the feedback screen.
    - Select Choose File to open the target folder and choose the desired diagnostic logs.
    - Choose the failure type and fill in the detailed failure description in the blank text box, and your telephone or email address. After inputting, select Submit Result to send it to Mac Tools®.
- **History**, select it to view all diagnostic feedback records. Different process states are marked with different colors.
- **Offline list**, select it to display all diagnostic feedback logs which have not been submitted successfully due to network failure. Once the tool gets a stable network signal, it will be uploaded to the remote server automatically.

Firmware Fix

WARNING: Do not disconnect, cut power, or switch to other interfaces while upgrading firmware.

- Use this item to upgrade and fix diagnostic firmware.

User Manual

- This user manual is integrated into the tool for your reference

OPERATION

This code reader will perform the following functions:

- Wifi enabled
- Mode $01-$0A
- Read dynamic data streams and MIL
- Read the readiness status
- Freeze frame data
- Read current DTCs
- Clear DTCs
- Read pending DTCs
- Read permanent DTCs
- O2 sensor test*
- On-board monitor test*
- Read vehicle information
- Print or email data wirelessly
- Vehicle battery/alternator charging monitor
- EVAP system test
- Color graph
- Vehicle code lookup
- OBD II database help
- Vehicle data record and replay
- Enhanced powertrain coverage for domestic and Asian
- Ford OBD II on-demand tests (Injector buzz, KOEO, KOER, etc.)
- Battery and Oil Light Reset

- European SRS/Airbag Codes and Definitions
- ABS enhanced live datastream for GM®, Ford® a,nd Toyota®
- Engine and transmission enhanced live data stream for GM® and Ford®
- EPB Caliper Retract for most Audi®/VW®
- Brake bleed test for Ford®, GM®, Chrysler®, and Toyota®
- Steering angle reset for GM® and Nissan®
- BMW brake zeroing test (resets brake pad wear sensor)

Only applicable for vehicles that support this test.

Connecting to a Vehicle

- Confirm the tool is running the latest available software.
- Turn the vehicle ignition to the OFF position.
- Input voltage range: 9V-18V.
- The throttle should be in a closed position.

1. Locate the vehicle's DLC socket.
   NOTE: The DLC (Diagnostic Link Connector) is typically a standard 16-pin connector. Usually it is located under the steering wheel or the driver's side dashboard of most vehicles.
2. If the DLC cannot be located, refer to the vehicle's owner's manual for the location.
3. Connect the DLC connector 2 into the vehicle's DLC socket.
4. Turn the vehicle ignition to the ON position.

System Diagnosis

This function is specifically designed to diagnose the electronic control systems of a single vehicle model. The following vehicle systems are supported:

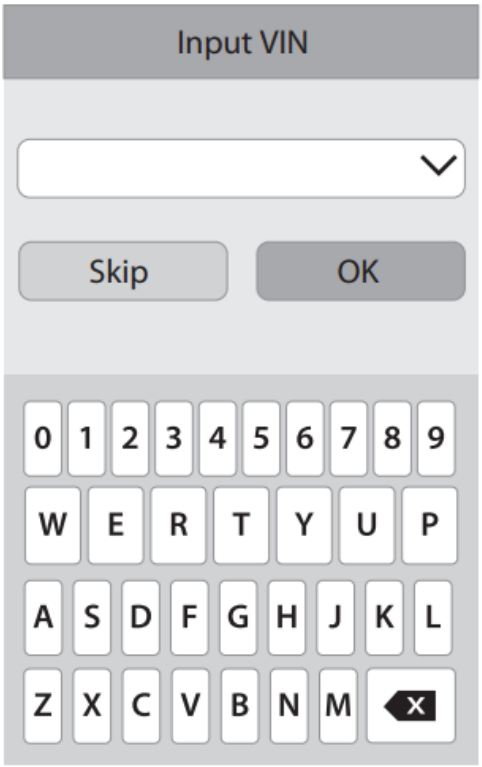
- ABS (Anti-lock Braking System)
- SRS (Supplemental Inflatable Restraint System)

Smart Diagnosis (Auto Detect)

CAUTION: Do not connect or disconnect any test equipment with ignition on or engine

running.

1. After connection, turn the ignition key ON, and the system enters auto-detect mode.
   NOTE: Please ensure the Automatic detection on connect in Settings is set to O.
   NOTE: To detect more and accurate VINs, a stable WLAN network connection is highly recommended for this function.
2. Once the system successfully obtains the VIN (Vehicle Identification Number) information of the currently identified vehicle, it will continue scanning the vehicle systems.
3. After the scanning is complete, a diagnostic report will be automatically generated in the Settings -> Data -> Diagnostic Report.
4. If the tool fails to access the VIN information, the following pop-up will appear on the screen.



5. Input the VIN, and select OK. The system will automatically identify the vehicle model. If the vehicle VIN is successfully decoded, it will perform autodiagnosis until a diagnostic report is automatically output. Otherwise, it will enter manual diagnosis mode.

NOTE:

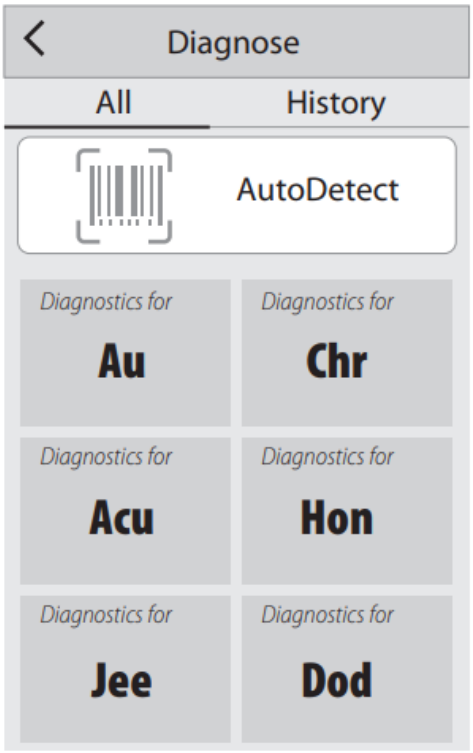
- The most recognizable location for this number is in the top left corner of the vehicle's dashboard. Other locations include the driver's door or post and the firewall under the

hood.

- -In general, all vehicle identification numbers are standardized and contain 17 characters.
- VIN characters may be capital letters A through Z and numbers 1 through 0; however, the letters I, O, and Q are never used to avoid mistakes of misreading.
- No signs or spaces are used in the VIN

Manual Diagnosis

1. If the tool can not obtain the VIN information, you can also perform vehicle diagnosis manually.In this mode, you need to execute the menu driven command and then follow the on-screen instruction to proceed.
   NOTE: For vehicles manufactured by different vendors, it is possible that there are different diagnostic menus. For details, please follow the instructions on the screen to proceed.



System Demo

Use the demo function as an example to demonstrate how to diagnose a vehicle. Vehicle diagnostic software with full systems and full functions can be purchased in the Mall.

1. Select diagnostic software version.

2. Select DEMO to go to the next step.
3. Select the desired vehicle model.
4. Follow the prompts on the screen to continue.

System Scan

This option allows you to quickly scan which systems are installed on the vehicle.

System Selection

This option allows you to manually select the test system and function step by step.

1. Select System Selection, and select the desired system, ABS, for example, to enter the test function selection screen.
   NOTE: Different vehicles have different diagnostic menus.

Read Fault Code

This function displays the detailed information of DTC records retrieved from the vehicle's control system.

1. Select Read Fault Code, the screen will display the diagnostic result.
   NOTE: Retrieving and using DTCs for troubleshooting vehicle operation is only one part of an overall diagnostic strategy. Never replace a part based only on the DTC definition. Each DTC has a set of testing procedures, instructions, and flow charts that must be followed to confirm the location of the problem. This information can be found in the vehicle's service manual.

On-Screen Buttons

- **HELP:** Select to view the help information.
- **CODE:** Select it to search for more information about the current DTC online.
- **REPORT:** To save the current data in text format. All diagnostic reports can be accessed from Settings -> Data -> Diagnostic Report.

Clear Fault Code

After reading the retrieved codes from the vehicle and certain repairs have been carried out, you can use this function to erase the codes from the vehicle. Before performing

this function, please be sure the vehicle's ignition key is in the ON position with the engine off.

NOTE

- If you plan to take the vehicle to a Service Center for repair, DO NOT erase the codes from the vehicle's computer. If data is erased, valuable information that might help the technician troubleshoot the problem will also be erased.
- Clearing DTCs does not fix the problem(s) that caused the code(s) to be set. If proper repairs to correct the problem that caused the code(s) to be set are not made, the code(s) will appear again, and the check engine light will illuminate as soon as the problem that caused the DTC to set manifests itself.

Read Data Stream

This option retrieves and displays live data and parameters from the vehicle's ECU. On-Screen Buttons:

SELECT ALL: Select it to select all items of the current page. To select a certain data stream item, just check the box before the item name.
UNSELECT: Select it to deselect all data stream items.
OK: Select it to confirm and jump to the next step.

1. Select Read Data Stream, the system will display data stream items.
2. After selecting the desired items, select OK to enter the data stream reading page.

NOTES

- If the value of the data stream item is out of the range of the standard reference value, the whole line will display in red. If it complies with the reference value, will display in blue.
- The indicator 1/X shown on the bottom of the screen stands for the current page / total page number. Swipe the screen from the right / left to advance / return to the next / previous page.

There are three types of display modes available for data viewing, allowing you to view

various types of parameters in the most suitable way.

- **VALUE:** This is the default mode, which displays the parameters in text and shows them in a list format.
- **GRAPH:** displays the parameters in waveform graphs.
- **COMBINE:** This option is mostly used in the graph merge status for data comparison. In this case, different items are marked in different colors.

On-Screen Buttons

- Select this button to view the waveform graph of the current data stream item.
- **COMBINE:** Select this button to view a pull-down list of the data stream items appearing on the screen. Select the necessary items. A maximum of four items can be selected at the same time. The screen will display the waveforms corresponding to these items immediately.
- **REPORT:** Select to save the current data as a diagnostic report. All diagnostic reports can be accessed from Settings -> Data -> Diagnostic Report. The tool logs the Date of Report, the date and time at which the report was created, and assigns a unique report number.
- **RECORD:** Select to record and save live data. Recorded live data can serve as valuable information to help you in troubleshooting and diagnosing vehicle problems. The saved file follows the naming rule: It begins with vehicle type, then the record starting time, and ends with .x431. To differentiate between files, please configure the accurate system time. All diagnostic records can be viewed by selecting Settings -> Data -> Diagnostic Record.

OBD II Diagnosis

This option presents a quick way to check for DTCs, isolate the cause of the illuminated MIL (malfunction indicator lamp), check monitor status prior to emissions certification testing, verify repairs, and perform a number of other services that are emission related.

1. From the job menu, select OBD II to enter the system. The screen will automatically navigate to the monitor status screen.
2. Select OK, and the following function list will appear:

Read Codes

1. Identify which section of the emission control system has malfunctioned.

Erase Codes

CAUTION: Before performing this function, please be sure the vehicle's ignition key is in the ON position with the engine OFF.

1. After reading the retrieved codes from the vehicle and certain repairs have been carried out, you can use this function to erase the codes from the vehicle.

NOTE: Before performing this function, ensure to retrieve and record the trouble codes.
NOTE: After clearing, you should retrieve trouble codes once more or turn ignition on and retrieve codes again. If there are still some trouble codes in the system, please troubleshoot thecode using a factory diagnosis guide, then clear the code and then recheck.

I/M Readiness

1. An important part of a vehicle's OBD II system is the readiness monitors, which are indicators used to find out if all of the emissions components have been evaluated by the OBD II system. They are running periodic tests on specific systems and components to ensure that they are performing within allowable limits.
2. Currently, there are eleven OBD II readiness monitors (or I/M Monitors) defined by the U.S. Environmental Protection Agency (EPA). Not all monitors are supported in every vehicle and the exact number of monitors in any vehicle depends on the motor vehicle manufacturer's emissions control strategy.

Continuous Monitors

1. Some of the vehicle components or systems are continuously tested by the vehicle's OBD II system, while others are tested only under specific vehicle operating conditions. The continuously monitored components listed below are always ready:
    - Misfire
    - Fuel System

- Comprehensive Components (CCM)

2. Once the vehicle is running, the OBD II system is continuously checking the above components, monitoring key engine sensors, watching for engine misfire, and monitoring fuel demands.

Non-Continuous Monitors

1. Unlike the continuous monitors, many emissions and engine system components require the vehicle to be operated under specific conditions before the monitor is ready. These monitors are termed non-continuous monitors and are listed below.w
    - EGR System
    - O2 Sensors
    - Catalyst
    - Evaporative System
    - O2 Sensor Heater
    - Secondary Air Injection
    - Heated Catalyst
    - A/C system
2. I/M refers to inspection and maintenance that is legislated by the Government to meet federal clean-air standards. I/M Readiness indicates whether or not the various emissions-related systems on the vehicle are operating properly and are ready for inspection and maintenance testing.
3. The purpose of the I/M readiness monitor status is to indicate which of the vehicle's Monitors have run and completed their diagnosis and testing, and which ones have not yet run and completed testing and diagnosis of their designated sections of the vehicle's emissions system.
4. The I/M readiness monitor status function also can be used after repair of a fault has been performed to confirm that the repair has been performed correctly, and or to check for monitor run status.

Data Stream

1. Retrieves and displays live data and parameters from the vehicle's ECU.

View Freeze Frame

1. When an emission-related fault occurs, certain vehicle conditions are recorded by the onboard computer. This information is referred to as freeze frame data.
2. Freeze Data is a snapshot of the operating conditions at the time of oofan emission-relatedt fault.
   NOTE: If DTCs were erased, freeze data may not be stored in vehicle memory, depending on the vehicle.

O2 Sensor Test

1. The results of O2 sensor test are not live values but instead the results of the ECU's last O2 sensor test. For live O2 sensor readings, refer to any of the live sensor screens such as graph screen.
2. Not all test values are applicable to all vehicles. The list generated will vary depending on vehicle. Not all vehicles support the oxygen sensors screen.

On-Board Monitor Test

1. This function can be utilized to read the results of onboard diagnostic monitoring tests for specific components/systems.

EVAP System Test

1. The EVAP test function lets you initiate a leak test for the vehicle's EVAP system. The tool does not perform the leak test, but signals to the vehicle's onboard computer to initiate the test. Before using the system test function, refer to the vehicle's service repair manual to determine the procedures necessary to stop the test.

Vehicle Info

This option displays the vehicle information, such as VIN (Vehicle Identification Number), CID (Calibration ID) and CVN (Calibration Verification Number)Compatible with ET2900 Bluetooth Battery Clamps (Optional Accessory, Sold Seperately) MAC Tools ET1600 elite code reader can pair with ET2900 (sold separately) after upgrading the software. You can operate all functions of ET2900 from the MAC Tools ET1600 Elitecode reader.

History

Once a vehicle diagnosis is performed, the tool will record every detail of the diagnostic session. The history function provides direct access to the previously tested vehicles, and users can resume from the last operation without needing to start from scratch.

1. Select history on the diagnosis main menu screen. All diagnostic records will be listed on the screen in date sequence.
2. Select the vehicle model to view the details of the last diagnostic report.
3. To delete certain diagnostic history, select it and then select delete. To delete all historical records, select “select all” and then select delete.
4. Select quick access to directly navigate to the function selection page of the last diagnostic operation. Choose the desired option to proceed.

Reset (Special Functions)

1. Select reset. All available reset software will be listed on the screen.
2. Select the desired reset software and follow the on-screen instructions to proceed. There are two methods to perform the reset procedures
    - Manual reset
    - Auto

Reset

1. Auto reset follows the principle of sending a command from the tool to the vehicle’s ECU to reset.
2. For manual reset, users just follow the onscreen instructions to select appropriate execution options, enter correct data or values, and perform necessary actions. The system will guide you through the complete performance for various service operations.

Repairs

Any tool that needs repair, is found to be worn, or operates abnormally SHALL BE REMOVED FROM SERVICE UNTIL REPAIRED. It is recommended that necessary repairs be made by a manufacturer’s authorized repair facility if repairs are permitted by the manufacturer.

Alterations

WARNING: Because of potential hazards associated with this type of equipment, no modifications shall be made to the product.

Storage

Store in a dry location not subject to excessively cold or hot temperatures.

Maintenance

Your code reader has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

Cleaning

WARNING: Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool in liquid.

Accessories

WARNING: Since accessories, other than those offered by Mac Tools, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only Mac Tools recommended accessories should be used with this product. Recommended accessories for use with your tool are available at extra cost from your local dealer or authorized service center. If you need assistance in locating any accessory, please contact Mac Tools, 701 East Joppa Road, Towson, MD 21286, call 1-800-662-8665, or visit our website: www.mactools.com.

Register

Thank you for your purchase. Register your product now for:

- **WARRANTY SERVICE:** Registering your product will help you obtain more efficient warranty service in case there is a problem with your product.
- **CONFIRMATION OF OWNERSHIP:** In case of an insurance loss, such as fire, flood or theft, your registration of ownership will serve as your proof of purchase.

- **FOR YOUR SAFETY:** Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.

Two-Year Limited Warranty

For warranty terms, go to www.mactools.com/pages/warranty-and-returns. To request a written copy of the warranty terms, contact Customer Service Tools, 505 North Cleveland Avenue, Westerville, Ohio 43082, or call 1-800-MAC-TOOLS (1-800-622-8665).

LATIN AMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country-specific warranty information contained in the packaging, call the local company, or see the website for warranty information.

FREE WARNING LABEL REPLACEMENT: If your warning labels become illegible or are missing, call 1-800-MAC-TOOLS (1-800-622-8665) for a free replacement.

FAQs

Q: What should I do if the device shows an error message?

A: If you encounter an error message, refer to the troubleshooting section of the manual for possible solutions. If the issue persists, contact customer support for assistance.

Q: How often should I calibrate the device?

A: Calibration frequency may vary based on usage. It is recommended to perform calibration checks periodically or as advised in the maintenance section of the manual.

Documents / Resources

	MAG TOOLS ET1600 Elite Code Reader [pdf] User Guide ET1600, ET1600 Elite Code Reader, Elite Code Reader, Code Reader, Reader

References

- Mac Tools® Professional Automotive Tools Official Site
- Mac Tools® Professional Automotive Tools Official Site
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