



Quick Start Guide | Guide de démarrage rapide | GUÍA de inicio rápido

ET9150

ADV2 DIAGNOSTIC SCAN TOOL

OUTIL DE DIAGNOSTIC INTELLIGENT ADV2

HERRAMIENTA DE DIAGNÓSTICO INTELIGENTE ADV2



If you have questions or comments, contact us.

Pour toute question ou tout commentaire, nous contacter.

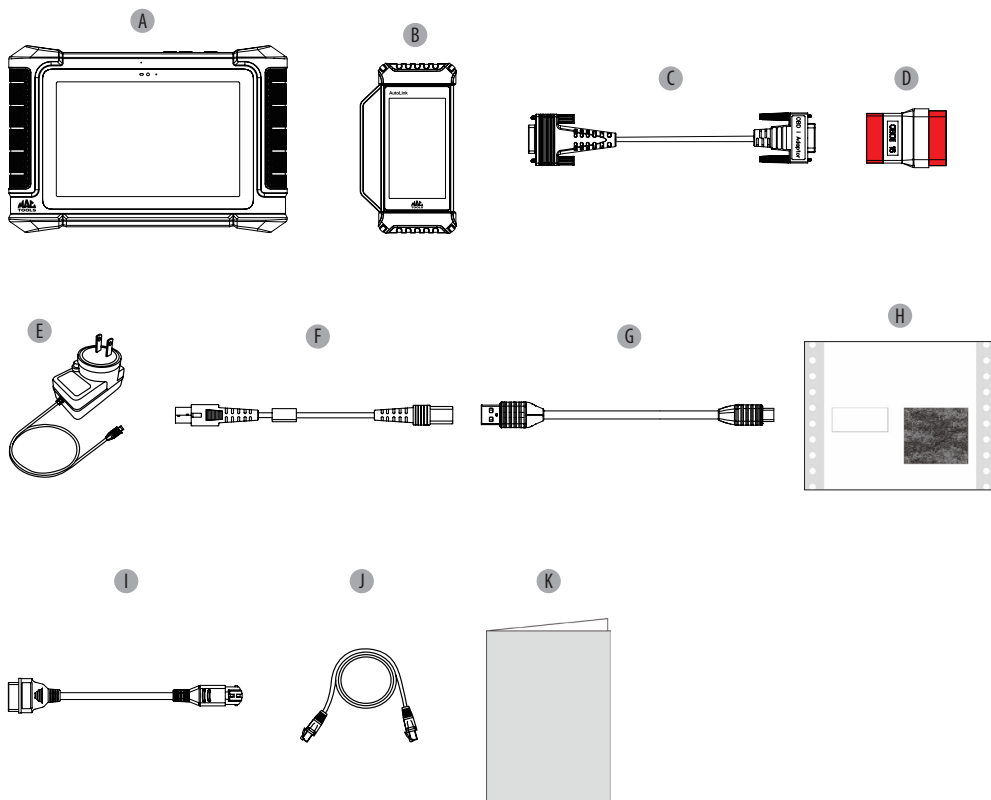
Si tiene dudas o comentarios, contáctenos.

MACTOOLS.COM

1-800-662-8665

English (<i>original instructions</i>)	1
Français (<i>traduction de la notice d'instructions originale</i>)	14
Español (<i>traducido de las instrucciones originales</i>)	21

Packing List



A ET9150 Scan Tool

B ET9150 VCI

C VCI Data Cable

D OBD II Adapter

E Power Adapter

F Type A to Type B Data Cable

G Type A to Type C Cable

H Private & Confidential Sheet

I Motorsports Adapter Kit

J Network Cable

K Quick Start Guide

A ET9150 outil de diagnostic intelligent

B ET9150 VCI

C Ligne de données VCI

D Adaptateur OBD II

E Adaptateur secteur

F Câble de données Type A vers Type B

G Câble Type A vers Type C

H Formulaire privé de confidentialité

I Kit adaptateur motorsports

J Câble réseau

K Guide de démarrage rapide

A ET9150 herramienta de diagnóstico inteligente

B ET9150 VCI

C Línea de datos VCI

D Adaptadores OBD II

E Adaptadores de alimentación

F Cable de datos de tipo A a tipo B

G Cable de tipo A a tipo C

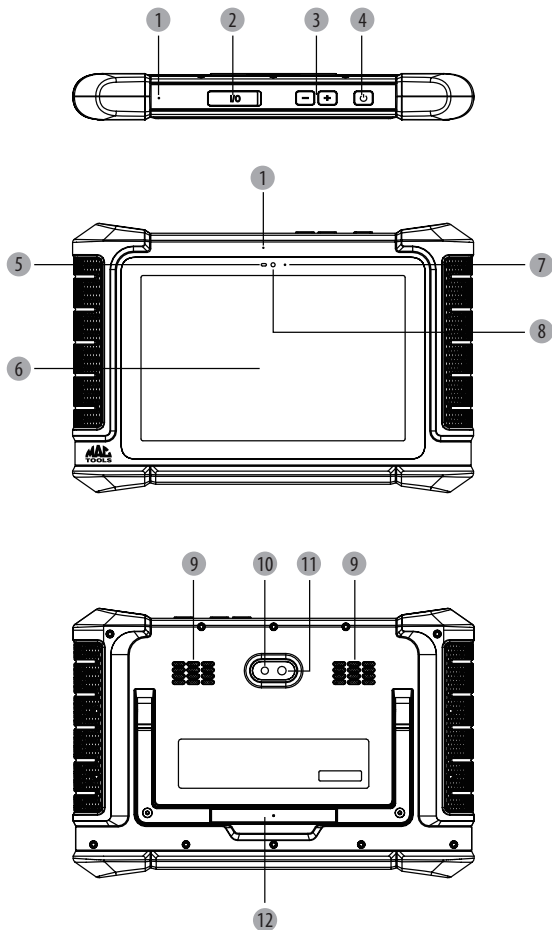
H Formulario de confidencialidad privada

I Kit de adaptadores para motorsports

J Cable de red

K Guía de inicio rápido

Fig. L ET9150 Scan Tool

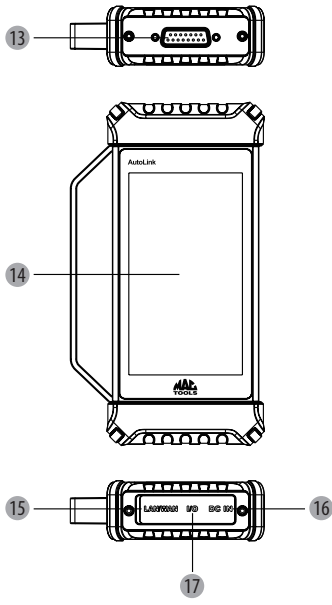


- 1 Microphone
- 2 Type-A Port & Type-C Port
- 3 Volume Buttons
- 4 POWER Key
- 5 Ambient Light Sensor
- 6 Touch Screen
- 7 Charging LED
- 8 Front Camera
- 9 Speakers
- 10 Camera Flash
- 11 Rear Camera
- 12 Adjustable Stand

- 1 Microphone
- 2 Port USB Type-A & Port USB Type-C
- 3 Boutons de volume
- 4 Touche Alimentation
- 5 Capteur de lumière ambiante
- 6 Ecran d'affichage
- 7 Témoin de chargement
- 8 Caméra avant
- 9 Haut-parleurs
- 10 Flash Caméra
- 11 Caméra arrière
- 12 Kickstand réglable

- 1 Micrófono
- 2 Puerto USB tipo A & Puerto USB tipo C
- 3 Botones de Volumen
- 4 Botón de Encendido
- 5 Sensores de luz ambiente
- 6 Pantalla de Visualización
- 7 Indicador de carga
- 8 Cámara Delantera
- 9 Altavoces
- 10 Flash de la Cámara
- 11 Cámara Trasera
- 12 Soporte Ajustable

Fig. M ET9150 VCI(Vehicle Communication Interface)



- 13 DB-15 Diagnostic Connector
- 14 Touch Screen
- 15 LAN/WAN Port
- 16 I/O Port
- 17 DC-IN Port

- 13 DB-15 connecteur de diagnostic
- 14 Ecran tactile
- 15 Port LAN/WAN
- 16 Port d'E / S de données
- 17 Prise d'alimentation DC-IN

- 13 Conector de diagnóstico DB-15
- 14 Pantalla Táctil
- 15 Puerto LAN/WAN
- 16 Puerto de E/S de datos
- 17 Conector de alimentación DC-IN

Fig. N

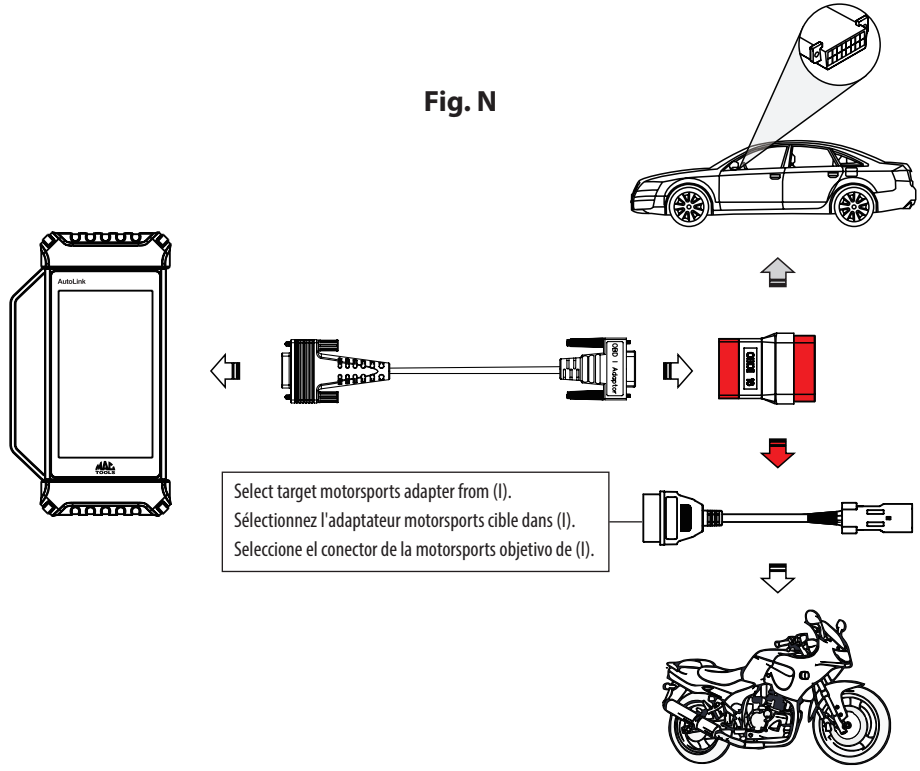


Fig. 0

Fig. 0-En-1

Password Login

Email Login

Username

Password

Login

Login means you agree

Service Agreement

Privacy Policy

Set/Reset Password

New Registration

Fig. 0-En-2

Password Login

Email Login

Email

CAPTCHA

CAPTCHA

Login-Register

Automatic registration and login after new verification, clicking LOGIN confirms that you have signed the

Service Agreement

Privacy Policy

Fig. 0-En-3

Reminder

No bound VCI is obtained by your login account. Choose to diagnose offline or activate the VCI.

Activate VCI

Diagnose offline

Fig. 0-En-4

Serial Number

Activation Code

ACTIVATE

Your VCI's 12 digit serial number and 8 digit Activation Code can be found in the envelope pictured below.

Fig. 0-Fr-1

Connexion par Mot de Passe

Connexion par E-mail

Nom d'utilisateur

Mot de passe

Connexion

Se connecter signifie que vous acceptez

Contrat de service

Politique de confidentialité

D'opter/Réinitialiser le mot de passe

Nouvelle enregistrement

Fig. 0-Fr-2

Connexion par Mot de Passe

Connexion par E-mail

Email

CAPTCHA

CAPTCHA

Connexion - Enregistrement

Enregistrement et connexion automatiques après nouvelle vérification; cliquer sur CONNEXION confirme que vous acceptez les

Contrat de service

Politique de confidentialité

Fig. 0-Fr-3

Rappel

Aucun VCI n'est lié par votre compte de connexion. Choisissez de diagnostiquer hors ligne ou activer le VCI.

Activer la VCI

Diagnostic hors ligne

Fig. 0-Fr-4

Numéro de série

Code d'activation

ACTIVER

Le code d'activation à 8 chiffres et le numéro de série à 12 chiffres de votre connecteur peuvent être trouvés dans l'enveloppe illustrée ci-dessous.

Fig. 0

Fig. 0-Es-1

Login con Contraseña

Login con Email

Nombre de usuario

Contraseña

Iniciar sesión

Iniciar sesión significa que estás de acuerdo

Acuerdo de servicio

Política de Privacidad

Establecer / Restablecer Contraseña

Nuevo registro

Fig. 0-Es-2

Login con Contraseña

Login con Email

Email

CAPTCHA

CAPTCHA

Iniciar Sesión-Registrarse

Registro e inicio de sesión automáticos tras la nueva verificación. Al hacer clic en INICIAR SESIÓN,

confirma que has aceptado el

Acuerdo de servicio

Política de Privacidad

Fig. 0-Es-3

Recordatorio

No se obtiene VCI vinculado por su cuenta de inicio de sesión. Elija para diagnosticar fuera de línea o activar el VCI.

Activar VCI

Diagnosticar sin cone..

Fig. 0-Es-4

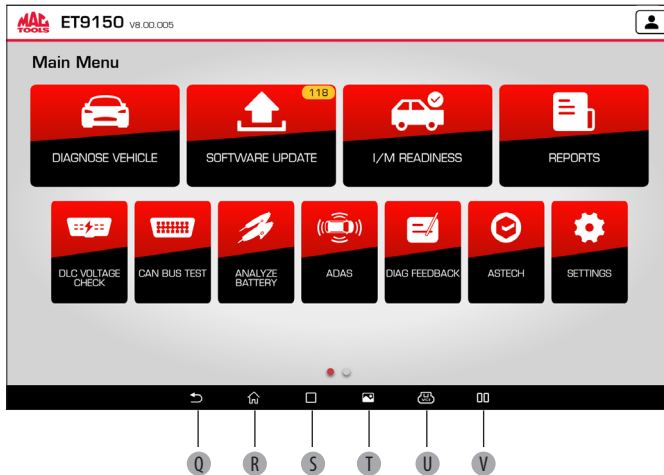
Número de serie

Código de activación

ACTIVAR

El número de serie de su conector (12 dígitos) y el código de activación (8 dígitos), los encontrará en el sobre.

Fig. P System Bar



- Q Back Key
- R Home Key
- S Application Manager Key
- T Screen Capture Key
- U VCI Connection Status Indicator
- V Split-screen Key

- Q Touche Retour
- R Touche Accueil
- S Touche Gestionnaire d'applications
- T Touche Capture d'écran
- U Indicateur d'état de connexion VCI
- V Touche Écran partagé

- Q Tecla Atrás
- R Tecla Inicio
- S Tecla Administrador de aplicaciones
- T Tecla Captura de pantalla
- U Indicador de estado de conexión VCI
- V Tecla Pantalla dividida

Fig. W Working Principle (Vehicle Diagnosis)

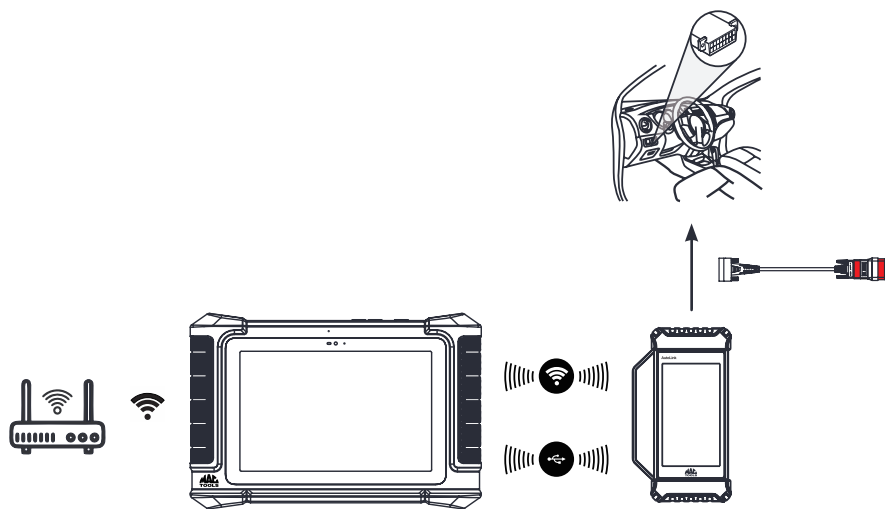
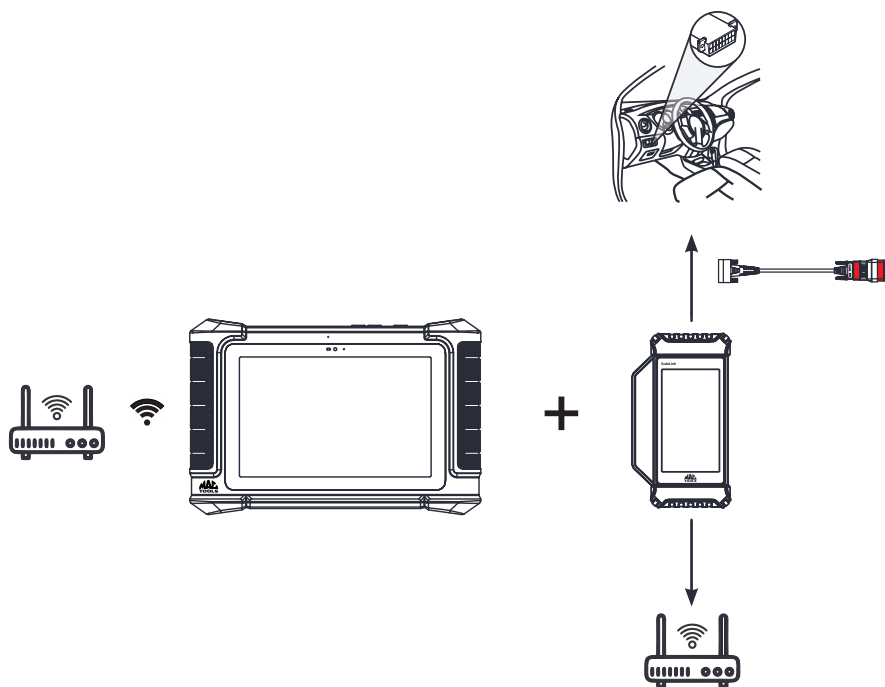


Fig. X Working Principle (AsTech Remote Diagnosis)



**WARNING: Read all safety warnings and all instructions.**

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.



WARNING: To reduce the risk of injury, read the instruction manual.

Intended Use

This scan tool provides system diagnosis, full OBDII/ EOB diagnosis, various service functions, remote diagnosis and some powerful add-on modules. **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. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if 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 drive wheels before testing with the engine running.
- Always place 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 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 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:



Read instruction manual before use.



Federal Communications Commission, tested to comply with FCC standard.



Waste Electrical and Electronic Equipment separate collection.

Compliance Information

FCC ID: 2ANWFET9150

FCC ID: 2ANWFET9150VCI

IC: 23237-ET9150

IC: 23237-ET9150VCI

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 into 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 licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This device complies with Canadian CAN ICES-3(B)/NMB-3(B).

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.

Register & Update

If it is the first time you have used this tool, you need to get it online to register the tool. Follow the steps below to proceed:

1. Power on the tool by pressing the POWER button on the tool.
NOTE: If the battery remains unused for a long period of time or the battery is completely discharged, it is normal that the tool will not power on while being charged. Please charge it for a period of 5 minutes and then turn it on. Only use the included power adaptor to charge the tool.
2. On the home screen, tap Settings -> Network & Internet -> Internet.
3. Slide the WLAN switch to ON. The system starts searching for all available wireless LANs.
4. Choose the desired WLAN access point / network, key (network password). If the network you chose is open, you can connect directly. If the selected network is encrypted, you have to enter the right security password.
5. After the network connection is done, tap ET9150 app to launch it.
6. Tap Login, the popup (Fig. 0-En-1) will appear.
7. There are two methods available for users to login: Password login and Email login.
8. If you have not registered any authorized account of MAC TOOLS scan tool, please use Email login. Tap New Registration, the popup (Fig. 0-En-2) will appear.
Input the Email address, tap CAPTCHA and enter the received verification code. Tap Login-Register to continue.
A. If no scan tools are bound to this Email before, follow the steps below to proceed:
 - 1). The system will prompt you to set a new password. After the password is set, you can use the email and password on the Password login screen to log in the diagnostic app in the future.
 - 2). After the popup appears (Fig. 0-En-3), tap ACTIVATE VCI to go to the next step.
 - 3). Input the 12-digit Product Serial Number and 8-digit Activation Code (can be obtained from the password envelope), and then tap ACTIVATE (Fig. 0-En-4).
 - 4). After the VCI device is successfully activated, the system automatically enter the update center. Tap Update to update all available software.
 B. If there are scan tools bound to this Email, a list of the bound VCIs will pop up on the screen. In this case,
 - 1). Tap Activate. Input the Product Serial Number and Activation Code, and then tap Activate.
 - 2). Go to Software Update to update all available software.
9. If you have an authorized account of MAC TOOLS scan tool, please use Password login. Input the username and password (If you forgot the password, tap Set/Reset Password to set a new one), and tap Login to login the diagnostic system.
NOTE: After the registration is successfully complete, the wireless communication between the tool and the VCI device is automatically established and user has no need to configure it again.

Job Menu

The job menu includes the following function modules.

Menu Options	
Diagnose Vehicle	This function allows you to perform vehicle/powersports diagnosis, special functions (reset) and check scan history.
Software Update	Updates vehicle diagnostic software and APK.
I/M Readiness	Checks whether or not the various emissions-related systems on the vehicle are operating properly, and are ready for Inspection and Maintenance testing.
Reports	Checks all kinds of saved health reports and recorded data.
DLC Voltage Check	Performs a check of the vehicle's battery to ensure the system is operating within acceptable limits.
CAN BUS Test	Detects the voltage of the passenger vehicle OBD II diagnostic socket pins and the supported protocol types to help technicians judge the OBD II diagnostic interface.
Analyze Battery	Allows you to fix battery detection faster and easier. It needs to work with the ET2900 battery clamps (sold separately).
ADAS	Enables you to effectively and accurately calibrate a wide range of camera-based & radar-based driver assistance systems, e.g. the front camera for the lane departure warning system, the radar sensor for the ACC (Adaptive Cruise Control) or the camera for adaptive headlights. It needs to work with the specific ADAS calibration tool (sold separately).
Diag Feedback	Feedbacks the last 20 diagnostic logs for timely technical assistance.
ASTECH	This function helps repair shops or mechanics to diagnose vehicles remotely, allowing for improved efficiency and faster repairs.
Settings	Makes some system settings.
Video Scope	Allows you to check those unseen parts of engine, fuel tank, and braking system etc. It needs to work with the compatible Videoscope (sold separately).
ET3550	Allows you to trigger TPMS sensor, program TPMS sensor, perform the relearning procedure. It needs to work with the ET3550 device (sold separately)
Tread Master	This function can accurately and quickly detect the vehicle tire tread and analyze tire wear. It needs to work with the compatible tire tread depth examiner (sold separately).

OPERATION

This scan tool will perform the following functions:

- Wifi enabled
- Read vehicle information
- Read DTCs
- Clear DTCs
- Read dynamic data streams
- Freeze frame data
- Actuator test*
- Special functions
- Support CAN2.0/CANFD(Controller Area Network Flexible Data Rate)/DoIP/J2534/RP1210/D-PDU
- Print or email data wirelessly
- Color graph
- Vehicle code lookup
- Vehicle data record and replay
- ECU Coding
- I/M Readiness
- CAN BUS Pin Detection
- One-click to update software and APK
- Instant access to Identifix massive repair data & cases
- AsTech remote diagnosis
- Add-on modules

*Only applicable for vehicles that support this test.

Connection

Connecting to a Vehicle

- Confirm the tool is running the latest available software and the vehicle voltage range is 9V-18V.
 - Turn the vehicle ignition to the OFF position.
1. Locate 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 under the driver's side dash board of most vehicles.
 2. If the DLC cannot be located, refer to the vehicle's user manual for the location.
 3. Connect one end of the VCI data cable (C) to the diagnostic connector (13) of the VCI, and the other end to the OBD II adapter (D). Tighten the captive screws.
 4. Connect the OBD II adapter into the vehicle's DLC socket. Refer to Fig. N.
 5. Turn the vehicle ignition to the ON position.

Connecting to a Motorcycle

- Confirm the tool is running the latest available software.
 - Turn the ignition to the OFF position.
1. Refer to the service manual of the motorcycle for the DLC location.
 2. Refer to Fig. N to make connection. Select the appropriate adapter from the motorsports adapter kit (I) according to the motorsports brand and then connect it to the OBD II adapter (D).
 3. Connect the motorsports adapter into the motorsports's DLC socket. Other connection methods shall also apply.
 4. Turn the ignition switch on.

System Diagnosis

This function is specially designed to diagnose electronic control systems of single vehicle model. ET9150 supports Smart (Auto Detect) Diagnosis and Manual (Manual Select) Diagnosis covering full system diagnosis.

Refer to Fig. W for the working principle of the vehicle diagnosis.

NOTE: The diagnostics operations of motorsports are same as those of the passenger cars.

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

Auto Detect

1. Tap Auto Detect, the system will automatically start decoding the vehicle VIN (Vehicle Identification Number).

NOTE: To detect more and accurate VINs, a stable WLAN network connection is highly recommended for this function.

2. If the system successfully obtains the VIN information, it will enter the autodetect result page. Otherwise, it will enter the manual diagnosis mode.

NOTE: If the automatic detection can not identify the vehicle, please try to connect to the network. Not all cars support the Auto Detect function due to auto manufacturers' settings.

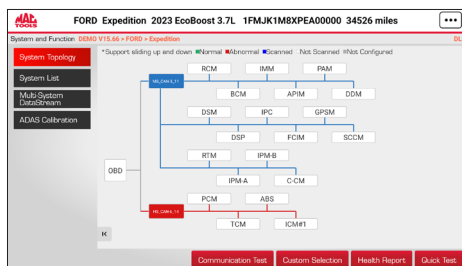
Manual Select

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.

Use the DEMO program as an example to demonstrate how to diagnose a vehicle.

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



Menu Description:

System Topology: Displays all available vehicle systems in form of topology structure.

System List: Displays all available vehicle systems in form of list.

Multi-System Data Stream: Quickly previews the target data streams of multiple systems in thumbnail.

ADAS Calibration: Performs ADAS calibration operations. It is extracted from the system list as a functional module and provides a quick access to ADAS system.

In the system topology or system list mode, user can perform the following

operations:

Communication Test

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

Custom Selection (Manual System Detection)

This function allows you to manually select the system and perform the related diagnostic functions.

Health Report

This function enables you to quickly access all the electronic control units of the vehicle and generate a detailed report about vehicle health.

Quick Test

This function allows you to quickly scan all the electronic control units of the test vehicle.

Select Custom Selection, and select the desired system to enter the test function selection screen.

NOTE: Different vehicles have different diagnostic menus.

A. Read Fault Code

This function can read the Diagnostic Trouble Codes (DTCs) in the ECU memory, quickly identifying the cause of the vehicle breakdown.

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:

- Freeze Frame:** Take a snapshot of specific data streams for verification when the DTC occurs.
- Help:** Tap to view the help information.
- Code Search:** Tap to search for more information about the current DTC online.
- Code Assist:** Tap to retrieve it from the professional repair database.
- Report:** Tap to save the current data in text format. All diagnostic reports can be accessed from **Reports -> Health Reports**.

NOTE: The diagnostic report is categorized into three types: Pre-Repair report, Post-Repair report, and Diagnostic Scan. Regardless of the type under which the report is saved, a corresponding tag indicating the report type will be appended to the upper right corner for convenient identification.

B. Clear Fault Code

This function can erase the codes from the vehicle. Please make sure the vehicle's ignition key is in the ON position with the engine off before the operation.

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.

C. Read Data Stream

This option retrieves and displays live data and parameters from the vehicle's ECU.

CAUTION: If you must drive the vehicle to perform a troubleshooting procedure, ALWAYS have a second person assist you. Attempting to drive and operate the diagnostic tool at the same time is dangerous, and could cause a serious traffic accident.

On-Screen Buttons:

- Select Page:** Tap to select all items of the current page.
 - Select All:** Tap to select all available items. To select 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.
- Select Read Data Stream, the system will display data stream items.
 - After selecting the desired items, select OK to enter the data stream reading page.

FORD Expedition 2023 EcoBoost 3.7L 1FMJK1M8XPEA00000 34526 miles					
Data Stream: 0200 VTS 46 - P200 - Expeditions - PCM/PCM/Engine Control Modules					
Name	Value	Standard Range	English	Units	
Accelerator Pedal Position D	15.29	0 - 100	%		W
Accelerator Pedal Position E	15.69	0 - 100	%		W
Accelerator Pedal Position Sensor 1	0.78	0 - 5	V		W
Accelerator Pedal Position Sensor 2	0.39	0 - 5	V		W
Barometric Pressure	14.925	0 - 17.58	psi		W
Clutch Pedal Position	0	0 - 100	%		W
Recorded Data Compare Sample Save Sample Graph Reports Record					

NOTE: 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.

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 (default):** Shows parameters with numbers and lists.
- Graph:** Displays parameters with wave patterns.
- Combine:** The graphs can be merged for easier comparisons.

On-screen Buttons:

- : Tap to set different display style for each selected item.
- : Tap to view the waveform graph of the current data stream item.
- Recorded Data:** Quickly access to the Recorded Data, which collects all recorded data stream files.
- Compare Sample:** Tap to select the saved Data Stream Sample files. All values you customized and saved during the sampling process will be imported into the Standard Range column for comparison.
- Save Sample:** Allows you to personalize the standard range of live data stream items and save it as a sample file. Each time you utilize data stream items, you can retrieve the corresponding sample data for comparative analysis.
- Graph:** Displays parameters (maximum 8 items) with wave patterns.
 - Tap < on the right side of the screen to deselect the running items / select other items.
 - Tap Value to view the data displayed in values.
 - Tap Combine to merge graphs for easier comparisons (A maximum of 4 values can be merged).
- g. Report:** To save the current data stream. All diagnostic reports can be accessed from **Reports -> Health Reports**.
- h. Record:** To record and save the Live Data as valuable information to help

troubleshooting and diagnostics. All diagnostic records can be viewed by selecting **Reports -> Recorded Reports**.

D. Read Freeze Frame

This function can read the Diagnostic Trouble Codes (DTCs) in the ECU memory, helping quickly identify the cause of the vehicle breakdown.

E. Actuation Test

This option is used to access vehicle-specific subsystem and component tests. Available tests vary by vehicle manufacturer, year, and model.

F. Special Functions

This option offers coding, reset, relearn, and more service functions to help vehicles get back to functional status after repair or replacement. Available tests vary by vehicle manufacturer, year, and model.

Diagnostic History

The History function offers convenient access to previously tested vehicles, allowing users to resume from the last operation without needing to start anew.

Simply tap Diagnose Vehicle -> History on the Home Menu, and all diagnostic records will be displayed on the screen in chronological order by date.

Reports

This option allows you to view, delete, or share saved reports or recorded data.

If the DTC result is saved on the Read Trouble Code page, the files will be listed under the Heath Reports tab. Additionally, if the user records running parameters while reading data stream, the tool will save the file under the Recorded Reports tab.

Diagnostic Feedback

If you encounter any unsolved problems in the diagnostic process, you can send the last 20 test records to us by using this feature for timely technical assistance.

Tap Diag Feedback, the following options will appear:

- **Diagnostic Feedback:** To show the tested vehicle model list.
- **History:** To view all diagnostic feedback and check the processes.
- **Offline-list:** This feature presents all diagnostic feedback logs that have not been successfully submitted due to network failure. The failed logs are queued for automatic re-upload once the tablet establishes a stable network connection.

Our technical support will handle your feedback as quickly as possible.

Service Function

1. Select Service Function. 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

1. Auto reset follows the principle of sending command from the tool to vehicle's ECU to do resetting.
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.

Software Update

Tap Software Update on the Job Menu.

The *Available* tab displays a list of software that can be updated.

If you only intend to update the frequently used software, go to the *Downloaded* tab.

Tap Update to start downloading. After download is finished, the software packages will be installed automatically.

Note: All software is updated periodically. It is recommended to check regularly for updates and install the latest software version for the best service, functions and experience.

AsTech (Remote Diagnostics)

The asTech system is powerful remote diagnostics solution developed by Repairify, Inc.

The system consists of asTech Connect C (Customer) dongle, asTech Service Platform and asTech Connect B (Business) dongle.

ET9150 VCI can also work as a remote diagnosis module, which is compatible with the asTech Connect C dongle.

When working in the remote diagnosis mode, it does not communicate with the scan tool, but must be networked to receive and execute commands from the remote asTech Connect B. Users can use the AsTech module on the tool to post remote diagnostic requests.

For detailed working principle of AsTech remote diagnosis, refer to Fig. X.

Settings

General

This function enables you to set some general options, including measurement unit, expiration reminder and auto update etc.

VCI

This option allows you to check all your activated VCI devices.

If several VCI devices are activated on this tool, a list of VCI devices will be displayed on the screen.

Once you choose the device that belongs to other account, you have to log out, and then input the right account to continue.

- If the current VCI comes across communication failure, tap Firmware Fix to update and fix the diagnostic firmware. During fixing, please do not cut power or switch to other interfaces.
- If you skipped the Activate VCI step in process of sign-up, tap Activate VCI. Input the Serial Number and Activation Code (can be found from the included Password Envelope), and then tap Activate to activate it.

Account & Shop Information

This function enables you to set personal information, shop information, reset password and log out/login etc.

Manage Software

This function allows you to check the due date of software package subscription service and auto repair database. If expiry, user can choose to renew the subscription online with subscription renewal card.

Display

This function allows you to set the icon size and display rule of the vehicle software.

Manage Software Data

This function allows you to view and configure personal information.

A. Hide & Remove Software

This feature allows you to hide/clear the diagnostic software that is not frequently used.

NOTE: Removing the software may entirely delete it from the scan tool. If you encounter space constraints on the tool and certain software is unused, you can use this feature to remove it.

B. Backup

This feature lets you back up the important data to external storage device.

C. Restore

This feature lets you restore the important data from external storage device.

D. Clear Diagnostic Application Cache

This feature is used to clear the App cache. After clearing cache, the system will restart the App.

E. Sample

This feature allows you to manage the recorded data stream sample files.

Printer Set

This function allows you to set the printer for printing reports.

Before printing, make sure the Wi-Fi printer is powered on and working normally. Follow the steps below to proceed:

1. Set the WLAN switch to ON.
2. Tap the desired Wi-Fi printer hotspot to connect.
3. On the report details page, tap Print.
4. Tap next to Select a printer to select the desired Wi-Fi printer from the list. If the chosen Wi-Fi printer hotspot is enabled, the scan tool can connect to it directly. If it is encrypted, a password may be required. See the Wi-Fi printer user manual for the default password.
5. Now the printer is ready for printing.

Data Transfer

This function allows you to upload/download data.

About

The software version information and disclaimer are included.

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 into a 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 4380 Old Roberts Rd. Columbus, OH 43228 | 800. MACTOOLS, 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 at 4380 Old Roberts Rd. Columbus, OH 43228 | 800. MACTOOLS 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 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.

ADV2 DIAGNOSTIC SCAN TOOL Warning

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 into 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.

Specific Absorption Rate (SAR) information:

This ADV2 DIAGNOSTIC SCAN TOOL meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: ET9150 (FCC ID: 2ANWFET9150) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for properly worn on the body is 0.910W/kg. This device was tested for typical body-worn operations with the back of the handset kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

IC Warning

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

- (1) This device may not cause interference
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient un émetteur et/ou un récepteur exempt de licence qui est conforme aux normes RSS exemptes de licence du Canada (Innovation, Science et Développement Économique). Son fonctionnement est soumis aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences
- (2) Cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Toute modification ou changement non expressément approuvé par la partie responsable de la conformité pourrait invalider l'autorité de l'utilisateur à exploiter l'équipement.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 into 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.

Remarque : Cet équipement a été testé et se conforme aux limites d'un appareil numérique de classe B, conformément à la partie 15 des règles de la FCC. Ces limites visent à offrir une protection raisonnable contre les interférences nocives dans une installation résidentielle. Cet équipement génère, utilise et peut rayonner de l'énergie radiofréquence, et si son installation et son utilisation ne respectent pas les instructions, il peut causer des interférences nocives aux communications radio. Cependant, il n'y a aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si cet équipement cause effectivement des interférences nocives à la réception radio ou télévisée, ce qui peut être déterminé en allumant et éteignant l'équipement, l'utilisateur est encouragé à essayer de corriger les interférences en suivant une ou plusieurs des mesures suivantes :

- Réorienter ou déplacer l'antenne de réception.
- Augmentez la distance entre l'équipement et le récepteur.
- Connectez l'équipement à une prise sur un circuit différent de celui auquel le récepteur est connecté.
- Consultez le concessionnaire ou un technicien radio/TV expérimenté pour obtenir de l'aide.

Specific Absorption Rate (SAR) information:

This ADV2 DIAGNOSTIC SCAN TOOL meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

Informations sur le taux d'absorption spécifique (SAR) :

Cette Outil de diagnostic ADV2 SCAN répond aux exigences gouvernementales en matière d'exposition aux ondes radio. Ces directives sont basées sur des normes élaborées par des organisations scientifiques indépendantes à travers des évaluations scientifiques périodiques et approfondies. Les normes incluent une marge de sécurité substantielle conçue pour garantir la sécurité de toutes les personnes, qu'elles soient de tout âge ou en bonne santé.

RF Exposure Information and Statement

The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: ET9150 (IC: 23237-ET9150) has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification for properly worn on the body is 0.910W/kg. This device was tested for typical body-worn operations with the back of the handset kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Informations et déclaration sur l'exposition aux ondes radio

La limite SAR des États-Unis (FCC) est de 1,6 W/kg en moyenne sur un gramme de tissu. Types d'appareils : L'ET9150 (IC: 23237-ET9150) a également été testé par rapport à cette limite SAR. La valeur SAR la plus élevée signalée sous cette norme lors de la certification du produit pour un port approprié sur le corps est de 0,910 W/kg. Cet appareil a été testé pour des opérations typiques portées sur le corps avec l'arrière du téléphone maintenu à 0 mm du corps. Pour maintenir la conformité avec les exigences d'exposition RF de la FCC, utilisez des accessoires qui maintiennent une distance de séparation de 0 mm entre le corps de l'utilisateur et l'arrière du téléphone. L'utilisation de clips de ceinture, de goussets et d'accessoires similaires ne devrait pas contenir de composants métalliques dans leur assemblage. L'utilisation d'accessoires qui ne satisfont pas à ces exigences peut ne pas être conforme aux exigences d'exposition RF de la FCC et devrait être évitée.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

Les opérations dans la bande de 5,15 à 5,25 GHz sont limitées à un usage uniquement en intérieur.

ADV2 DIAGNOSTIC SCAN TOOL VCI Warning

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 into 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 equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC Warning

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

- (1) This device may not cause interference
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient un émetteur et/ou un récepteur exempt de licence qui est conforme aux normes RSS exemptes de licence du Canada (Innovation, Science et Développement Économique). Son fonctionnement est soumis aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences
- (2) Cet appareil doit accepter toute interférence, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's

authority to operate the equipment.

Tout changement ou modification non expressément approuvé par la partie responsable de la réglementation de l'OCDE peut faire perdre à l'utilisateur le droit d'utiliser l'appareil.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to 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 in accordance with 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 into 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.

Remarque: cet appareil a été testé pour répondre aux limites des appareils numériques de classe B conformément à la partie 15 des règles de la Federal Communications Commission des États - Unis. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans les installations résidentielles. L'appareil génère de l'énergie RF utilisée et rayonne, ce qui peut causer des interférences nocives pour les communications radio s'il n'est pas installé et utilisé conformément aux instructions. Cependant, aucune Garantie contre les interférences dans une installation spécifique. Si l'appareil cause des interférences nuisibles à la réception de la radio ou de la télévision, qui peuvent être déterminées en éteignant et en allumant l'appareil, l'utilisateur est encouragé à tenter de corriger les interférences par une ou plusieurs des mesures suivantes:

- redirection ou repositionnement de l'antenne de réception.
- augmenter l'espacement entre l'appareil et le récepteur.
- Connecter l'appareil à une prise sur un circuit différent de celui auquel le récepteur est connecté.
- consultez votre revendeur ou un technicien radio / tv expérimenté pour obtenir de l'aide.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

L'appareil est conforme aux limites d'exposition aux radiations spécifiées par la IC pour les environnements non contrôlés. La distance entre le radiateur et le corps doit être d'au moins 20 cm lors de l'installation et du fonctionnement de l'appareil.

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