USER MANUAL

Bringing you Diagnostics solutions in one package.



Customer Support **01923 882 392**

supportuk@repairify.com

Trademarks

asTech® is a registered trademark of Repairify, Inc. in the United States and other countries. All other marks are trademarks or registered trademarks of their respective holders.

Copyright Information

Copyright © 2023 by Repairify, Inc., doing business asTech. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without prior written permission.

Important Information

Disclaimer of Warranties and Limitation of Liabilities
All information, illustrations, and specifications in this manual are based on the latest information available at the time of publication.
The right is reserved to make changes at any time without notice. We shall not be liable for any direct, special, incidental, or indirect damage or any economic consequential damage (including the loss of profits) due to the use of the document.

Important Safety Information

Warning: To avoid personal injury, property damage, or accidental damage to the product, read all the information in this section before using the product.

Work Area Safety

Keep the work area clean and well-lit. cluttered benches or dark areas may cause accidents.
DO NOT connect or disconnect the tool while the ignition is on, or the engine is running.
DO NOT attempt to operate the tool while driving the vehicle. Have a second person to operate the tool.
Before testing a vehicle, put the transmission in PARK (for automatic transmissions) or NEUTRAL (for manual transmissions). Engage the parking brake and check the tires.

NEVER smoke or allow a spark or flame in the vicinity of the battery or engine.
The vehicle should be tested in a well-ventilated work area, as vehicles may emit harmful fumes (including but not limited to hydrocarbons, carbon monoxide, nitrogen oxides, etc.).
DO NOT operate the tool in the presence of fire or explosive materials, such as flammable liquids, gases, or heavy dust.
Never leave the vehicle unattended while testing.
Keep a fire extinguisher suitable for gasoline, chemical, or electrical fires nearby.
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.
Keep bystanders, children, and visitors away while operating the tool.
This product is not a toy. DO NOT allow children to play with or near this tool.
Use as intended only. DO NOT modify.
Inspect before every use; DO NOT use if parts are loose or damaged.
DO NOT place the tool on any unstable surface.
Handle the tool with care. If the tool is dropped, check for damage and any other conditions that may affect its operation.

Keep the tool dry, clean, and away from oil, water, or grease. Use a mild detergent on a clean cloth to clean the outside of the tool when necessary.
Store the tool and accessories in a locked area out of the reach of children.
To avoid damaging the tool or generating false data, please ensure that the vehicle battery is fully charged and the connection to the OBD (On-Board Diagnostics)/DLC (Data Link Connector) port is clear and secure.
If the asTech® Link VCI (Vehicle Communication Interface) is not in use for an extended period, it is suggested to unplug the Link from the vehicle's DLC to conserve battery power.

Electrical Safety

Do not use the tool while standing in water.
Avoid body contact with ground surfaces such as pipes, radiators, ranges, and refrigerators.
Do not expose the tool or power adaptor to rain or wet conditions. Water entering the tool or power adaptor increases the risk of electric shock.
Personal Safety
Wear ANSI-approved eye protection when testing or repairing vehicles.
Do not wear loose clothing or jewelry. Keep hair, clothing, hands, tools, and test equipment away from moving or hot engine parts. Loose clothes, jewelry, or long hair can be caught in moving parts.
Do not use the tool while tired or under the influence of drugs, alcohol, or medication. Using the tool while impaired or under the influence can result in serious personal injury.
People with pacemakers should consult their physician(s) before using them. Electromagnetic fields near the pacemaker could cause pacemaker interference or pacemaker failure.
The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors that cannot be built into this product; they must be supplied by the operator.
There are no user-serviceable parts. Have the tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the equipment is maintained.
Please use the battery and charger included. There is a risk of fire or explosion if the wrong battery is used as a replacement.
Automotive batteries contain sulfuric acid, which is harmful to the skin. While working on vehicles, direct contact with the battery should be avoided whenever possible. Always keep ignition sources away from the battery.
Precautions on Operating Vehicle ECUs
Do not disconnect the battery or any wiring cables in the vehicle when the ignition switch is on, as this could cause damage to the sensors or the ECU.
Do not place any magnetic objects near the ECU. Disconnect the power supply to the ECU before performing any welding operations on the vehicle.
Use extreme caution when performing any operations near the ECU or sensors. Ground yourself when you disassemble PROM, otherwise, the ECU and sensors may be damaged by static electricity.
When reconnecting the ECU harness connector, be sure it is attached firmly, otherwise, electronic elements, such as ICs inside the ECU, can be damaged.

Using This Manual

Please note that the content presented in this manual is separate and distinct from the information and instructions provided in the asTech App Guide. While this manual focuses on device usage instructions and general guidelines, the asTech App offers a specialized platform with its own set of features, functionalities, and support resources.

This manual contains device usage instructions.
Some illustrations shown in this manual may contain modules and optional equipment that are not included in your system.
The following conventions are used.

Bold Text

Bold text is used to highlight selectable items such as buttons and menu options.
Example: Tap OK.

Notes

A NOTE provides helpful information such as additional explanations, tips, and comments.
Example: Note: Remember to remove the Link connector from the vehicle's OBD/DLC after use.

Warning

Warning messages indicate a hazardous situation that, if not avoided, could result in minor or moderate injury to the operator or bystanders.

Example: Warning: Retrieving and using DTCs (diagnostic trouble codes) for troubleshooting vehicle operations 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 service manual.

Danger

Danger messages indicate an imminently or potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or bystanders.
Example: Danger: If you must drive a vehicle to perform a troubleshooting procedure, always have a second person help you. Trying to drive and operate the diagnostic tool at the same time is dangerous and could cause a serious traffic accident.

Illustrations

Illustrations used in this manual are samples; the actual testing screen may vary for each vehicle being tested. Observe the menu titles and on-screen instructions to make the correct selection.

Table of Contents

Contents

1. Introduction 7
Product Profile 7
Package List – Check with Kieran 8
Components & Controls 9
asTech® ETR Diagnostic Tablet 9
asTech® Link/ VCI 10
Local Scans 10
Remote Scans 10
Technical Parameters 11
3. Initial Use 12
- Charging & Powering On 12
- Tablet Shortcuts 12
- Screen Layout 12
- Display Settings and Screen Brightness 13
- Language Options 13
- Screen Timeout 13
- Network Setup 13
- Connect to a Wireless Network 13
- Register & Update 14
- Connecting to WI-FI and Receiving Updates 14

4. Connections - Preparation 15
- Diagnosis 17

5. Start up! 20
6.1 Screen app 21
7. Diagnostics 22
- Performing an OEM Compatible Scan - Example 24
- Health Report 27
- How to Read Fault Code 29
- How to Clear Fault Code 29
- How to Read Data Stream 30
- Actuation Test 32
- Remote Diagnostics 33
- Service Functions 37
- Software update 41
- APP Settings 41

FAQ & Glossary 44
Glossary of Terms & Abbreviations 47
Warranty 48

1. Introduction

Product Profile

The ETR is a powerful, Android-based diagnostic tool, which has several production configurations, ranging from commercial vehicles (ETR10 optional only with HGV kit) to passenger vehicles.
It has the following features:

Diagnostics: This module allows you to use the VIN information of the currently identified vehicle to access its data (including vehicle information and historical diagnostic records) from the UK-based server to perform quick tests.

Diagnostic History: This function provides quick access to information on previously tested vehicles, and users can choose to view the test report or resume from the last operation, without the need to start from scratch.

Remote Diagnostics (ETR10 only).: A perfect and powerful remote diagnostics solution, developed by asTech. A technician can request a remote OEM diagnostic scan to be completed.

Service Functions: This module offers coding, reset, and relearn service functions to help vehicles get back to functional status after repair or replacement.

Software Support: This lets you update your diagnostic software online.

©Repairify 2025

Package List

The following packing list is for reference purposes only. For different destinations, the accessories may vary.

	**Display tablet** Indicates the test result.	1
	**asTech VCI Link device** Collects vehicle data and sends it to the tablet for analysis.	1
	**VCI diagnostic cable** Connects the asTech VCI to the OBD II vehicle's DLC.	1
	**Power adaptor** Charges the tablet via the AC outlet.	1
	**Data cable (Type A-Type B)** • Connects the asTech VCI to PC for J2534 reprogramming. •Connects the asTech VCI to the tablet for vehicle diagnosis.	1
	**Charging cable (Type A-Type C**) Connects the tablet to a PC for data exchange/backup	1
	**Ethernet cable** Used for network data transfer provides a stable connection when accessing remote services and can also be used to update the VCI.	1

©Repairify 2025

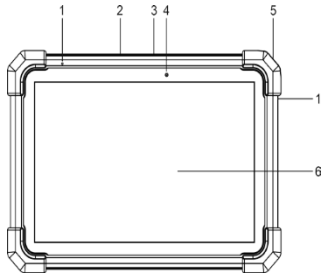
Components & Controls

There are two main components included in the All-In-One kit:

- asTech® ETR Diagnostic Tablet: the central processor and monitor for the system
- asTech® Link/ VCI: the vehicle communication interface that enables access to the vehicle data

asTech® ETR Diagnostic Tablet

The ETR Diagnostic Tablet acts as the central processing system, which is used to receive and analyze the live vehicle data from the asTech Link/ VCI.



1) Microphone

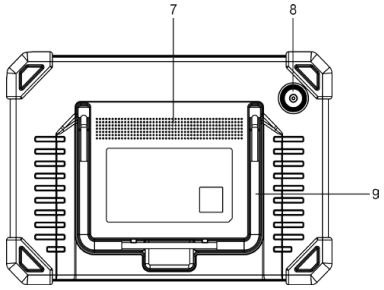
2) USB-A Port

- Connect to the asTech Link VCI to perform vehicle diagnostics via the USB cable.
- Connect to compatible add-on modules (such as Videoscope) or USB storage devices.
- USB-C Port - Connect to a PC for data exchange or backup.

3) Front Camera

4) POWER Button

- Press this button for three seconds to turn the ETR Diagnostic Tablet on.
- If the display is in standby mode, press the power button once to wake up the screen.
- Press and hold the power button for three seconds to power the tablet off.



- To do a hard reset, press and hold the power button for eight seconds.

- Screen - Displays test results and provides access to the asTech® App.

5) Speaker

6) Rear Camera

7) Adjustable Stand - Extend the stand and work comfortably at a tabletop or hang the tool on the steering wheel of the vehicle you are working on.

asTech® Link/ VCI

The asTech Link VCI features powerful functions and can be utilised in the following situations:

Local Scans

When using the asTech Link VCI (vehicle communication interface) for OEM Compatible or unverified scans, it needs to be connected to the ETR Diagnostic Tablet.

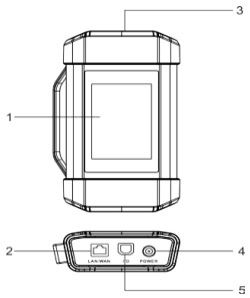
Note: An asTech OEM Compatible scan is done with aftermarket software, but it has been validated to deliver equivalent results when compared to the OEM scan.

Remote Scans

When used on its own, the asTech Link VCI needs to be connected to Repairify Remote Services, where customers can request remote OEM diagnostics.

J2534 Pass Thru

When used as a J2534 Pass Thru device, the asTech Link VCI must be connected to a computer that features OEM diagnostic software.



1) Touch Screen

2) LAN/WAN Port

Connect the asTech Link VCI to the internet.

3) OBD/DLC Port

Connect the asTech Link VCI to the vehicle’s OBD/DLC port via the diagnostic cable.

4) Data I/O Port
5) Connect the asTech Link VCI to the ETR Tablet to perform vehicle diagnostics.
6) Connect the asTech Link VCI to a PC when using the VCI as a J2534 Pass Thru device.

Technical Parameters

asTech ETR Diagnostic Tablet

- Operating system: Android
- Processor: 4-core 2.0GHz
- Memory: 4GB
- Storage: 128GB
- Screen: 8 and 10.1-inch capacitive touch screen with a resolution of 1280 x 800 pixels
- Camera: Front-facing 5.0MP camera + Rear-facing 8.0MP camera
- Network connectivity: WLAN/Wireless Internet (802.11a/b/g/n/ac) 2.4GHz/5GHz dual frequency, Bluetooth
- Working temperature: 32° - 122°
- Storage temperature: -4° - 158°

asTech Link

- Size: 204mm x 110mm x 45mm
- Working voltage: DC 9~36V
- Power consumption: ≤ 6W
- Network connectivity: WLAN/Wireless Internet, Bluetooth, or wired connection
- Working temperature: 32° - 122°

©Repairify 2025

3. Initial Use

- Charging & Powering On

1. Plug the power adapter cable into the ETR Diagnostic Tablet.
2. Connect the other end of the power adapter to an AC outlet.

If appears on the screen, it indicates that the ETR Diagnostic Tablet charging. If the icon changes to , it indicates that the battery is fully charged. Unplug the power adapter from the ETR Diagnostic Tablet when it is fully charged.

Note: If the battery remains unused for an extended period or the battery is completely discharged, the tool will not immediately power on when connected to power. Please charge the ETR Diagnostic Tablet for a period of five minutes and then turn it on.

Warning: Please use the included power adapter to charge your tool. The user is responsible for any damage or loss caused by using power adapters other than the one provided.

3. Press the POWER button for three seconds to turn the ETR Diagnostic Tablet on.
4. To turn off the ETR Diagnostic Tablet, press the POWER button for three seconds. An option menu will pop up on the screen; tap Power Off to turn the tool off.

- Tablet Shortcuts

Single tap: Select an item.

Double tap: Automatically fits the text to your screen.

Tap and hold: Tap and hold your selection on the screen to open an option menu.

Slide: Jump to different pages.

Drag: Tap the application icon and drop it to other location.

Spread apart and pinch: To zoom in manually, place two fingers on the screen and then spread them apart. To zoom out, place two fingers apart on the screen and then pinch them together.

- Screen Layout

The following on-screen buttons are available at the bottom of the screen:

Home: Navigates to the home screen.

Recent App: Displays the open applications.

VCI Connection: Shows whether the asTech Link VCI device is properly connected or not.

Screenshot: Captures the current screen.

- Back: Returns to the previous screen.

- Display Settings and Screen Brightness

Note: Reducing the brightness of the screen helps to conserve battery power.

1. On the home screen, tap Settings > Display > Brightness Level.
2. Drag the slider to adjust the brightness.

- Language Options

The ETR Diagnostic Tablet supports multiple system languages. To change the language of the tool, please do the following:

1. On the home screen, tap Settings > System > Language & Input > Languages.

Tap Add a Language and then choose the desired language from the list.

Tap and hold the desired language and drag it to the top of the screen, then release it. The system will reconfigure to the selected language.

- Screen Timeout

If nothing is done or selected within the defined standby period, the screen will lock automatically, and the system will switch to sleep mode to save power. To change the timeout period, please follow the next steps:

1. On the home screen, tap **Settings > Display > Advanced > Screen Timeout**.
2. Choose the desired sleep time.

- Network Setup

The tablet has built-in wireless connectivity that can be used to access the Internet. Once you're connected to a wireless network, you can register the tool, check for software updates, complete diagnostics, research trouble codes, and send emails.

- Connect to a Wireless Network

1. On the home screen, tap **Settings > Network & Internet > WLAN.**
2. Slide the WLAN switch to ON, and the ETR Diagnostic Tablet will search for available wireless networks.
3. Select a wireless network:

- If the selected network is not password protected, the tool will connect automatically.
- If the selected network is encrypted, a network password will be required.

4. When **Connected** appears, it indicates the wireless connection is complete.

Note: When a wireless connection is not required, this option should be disabled to conserve battery power.

- Register & Update

asTech registers, activates, and updates the ETR Diagnostic Tablet during fulfillment. If for some reason you are logged out of the Diagnostics App, please contact asTech Customer Service for assistance. Please make sure you regularly check for updates on your tablet and Link device.

- Note: The ETR Diagnostic Tablet has an auto-saving function. The Diagnostics App information is loaded onto the device during fulfillment, so the Diagnostics App should be available after unboxing and connecting to a wireless network.

- Connecting to WI-FI and Receiving Updates

Follow the steps below to ensure your device can receive updates. Confirm the tablet is connected to a stable network and Bluetooth is turned on.

1. Connect to Wi-Fi by swiping down from the top of the screen and long pressing the icon.
2. If no networks show up despite being in range, ensure that the toggle switch to the right of the “Use Wi-Fi” text is turned on (it should be green, not grey).
3. Tap on the network you wish to connect to, enter the network info required, and tap “Connect.”
4. To confirm Bluetooth is enabled, swipe down from the top of the screen. If the Bluetooth icon is green, Bluetooth is enabled. If it is grey, tap on the icon and Bluetooth should turn on.
5. If either Wi-Fi and/or Bluetooth will not turn back on, ensure that Airplane Mode is disabled by making sure the airplane icon is grey and not green.

Ensure that the correct process for connection is being followed and the VCI is connected to a network.

1. Turn the vehicle to Key-ON, Engine-OFF.
2. Plug the OBDII port into the asTech LINK.
3. Connect the LINK to the vehicle.
4. Press Remote Diagnostic > WLAN > Connect on asTech LINK.
5. The LINK will connect to the asTech server and search for any updates.
6. Once two blue checks marks are highlighted indicating Read VIN and Connect to Server, you are ready to scan using the ETR tablet.

* The LINK should automatically remember your network credentials and connect to WIFI.

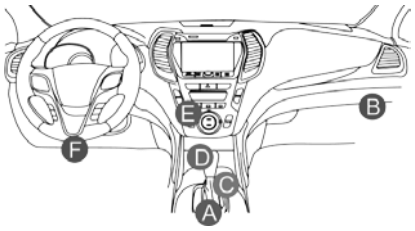
4. Connections - Preparation

To ensure that you are ready to complete diagnostic scans and other electronic repair events, please check the service information for each vehicle.

Normal testing conditions

- The ignition is on.
- The vehicle battery voltage range is 9-14V or 18-30V (ETR 10 exclusive).
- The throttle is in idle position.
- Find OBD/DLC location:

  For passenger cars, the OBD (On-Board Diagnostics)/DLC (Data Link Connector) port is usually located 12 inches from the center of the instrument panel, under or around the driver's side for most vehicles. For some vehicles with special designs, the OBD location may vary. Refer to the following figure for the expected location.



A. Opel, Volkswagen, Audi

B. Honda

C. Volkswagen

D. Opel, Volkswagen, Citroen

E. Changan

F. Audi, BMW, Chrysler, GM, Honda, Hyundai, Kia, Mazda, Mercedes-Benz, Mitsubishi, Nissan, Toyota, Volkswagen, and most other brands.

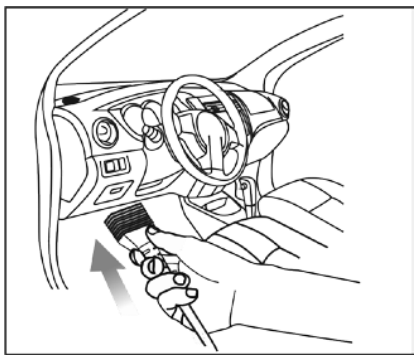
If the OBD/DLC port cannot be found, refer to the vehicle's service manual for the location. For commercial vehicles (ETR 10 only), the OBD/DLC port is usually located in the driver's cab.

©Repairify 2025

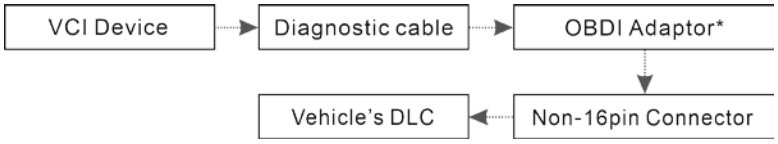
Vehicle Connection

The asTech Link VCI connection method used to connect to a vehicle's OBD/DLC port depends on the vehicle's configuration as follows:

For OBD II vehicles, connect the asTech Link VCI to vehicle's OBD/DLC port directly via the diagnostic cable.



For non-OBD II vehicles, proceed as follows:



Note: If the power supply on vehicle diagnostic port is insufficient or the power pin is damaged, you can power the tool in either of the two ways:

- Via a battery clamps cable: Connect one end of the battery clamps cable to the power jack of the OBD I adaptor box, and the other end to the vehicle's battery.
- Via cigarette lighter cable: Connect one end of the cigarette lighter cable to the power jack of the OBD I adaptor box, and the other end to the cigarette lighter receptacle.

• Diagnosis

Through communication between the ETR Diagnostics Tablet and asTech Link VCI, VIN (Vehicle Identification Number) information is easily captured and identified. Once the VIN is successfully identified, the Diagnostics App will retrieve it from the UK-based server, then it will guide the repairer to vehicle information.
The vehicle information page lists all historical diagnostic records of the vehicle, which provides vast insight into vehicle fault codes. Additionally, shortcuts to diagnostics are available on this page.

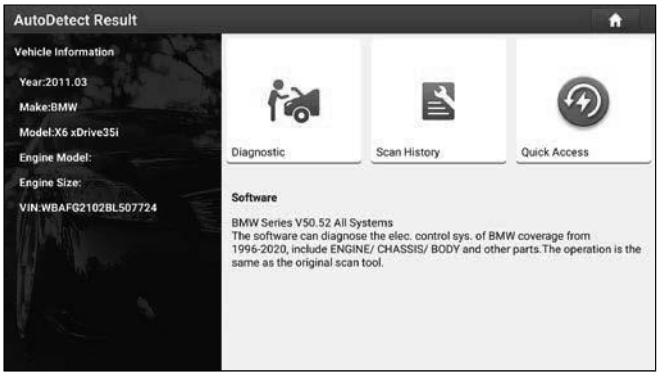
Notes:

- Before using this function, please ensure the asTech Link VCI device is properly connected to the vehicle's OBD/DLC port.
- A stable network connection is required for this function.

Follow the steps below to proceed.

1. Tap vehicle make or use Auto detectl on the Diagnostics App to start pairing with the asTech Link VCI device.
2. Once the pairing process is finished, the ETR Diagnostic Tablet will begin to read the VIN.
3. If the VIN is located within the remote database, the following screen will appear:

- Tap **Diagnostic** to start a new diagnostic session.



- Tap **Scan History** to view the vehicle's historical repair record. If records are available, they will be listed by completion date. If no records exist, the screen will show "No Record."
- To perform other functions, tap **Quick Access** to go to the diagnostic function selection screen. Choose the desired function to start a new diagnostic session.



- Tap View Record to view the details of the current diagnostic report.
- To perform other functions, tap Quick Access to go directly to the diagnostic function selection screen.
- Choose the desired function to start a new diagnostic session.

4. If the ETR cannot access the VIN information, users can enter the VIN manually:



Enter the VIN and tap **OK**. If the VIN exists on the remote server, the ETR will open the diagnostic function selection screen.

Tap ⛶ to open the VIN recognition module.



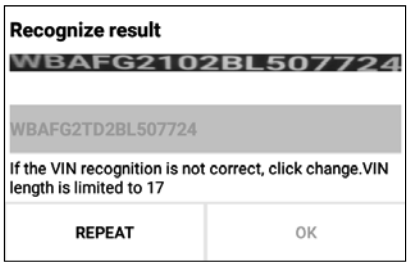
Place the VIN inside the viewfinder rectangle to scan it. The VIN can usually be found in the corner of the vehicle's dashboard, on the driver's door, or under the hood.

- Tap  to switch the display mode of the screen.

- Tap  to turn the camera on.
- Tap  to choose the VIN from the record list if the VIN of the vehicle has been scanned before.
- Tap  to input the VIN manually.
- Tap  to scan the VIN barcode. If the VIN barcode cannot be recognized, manually enter the VIN.
- Tap  to scan the VIN character. If the VIN character cannot be recognized, please manually enter the VIN.

- Note: In general, vehicle identification numbers are standardized—all 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. No other characters or spaces will be found in a VIN.

- After scanning, the screen will automatically display the result.



- If the VIN is incorrect, tap the result field to modify it, then tap **OK**.
- To scan the VIN again, tap **REPEAT**.

If the VIN exists on the remote server, the system will enter the diagnostic function selection screen.

5. Start up!

1. Connect your ETR tablet to the local wifi network.



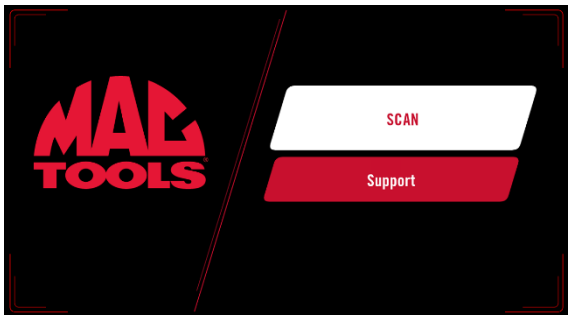
2. Open the Diagnostics app on the tablet home screen then call us on 01923 882 392 (option 2) and one of our technicians will activate your account.



3. You are now ready to perform a vehicle scan!

Press the Scan button to open the Diagnostics app.

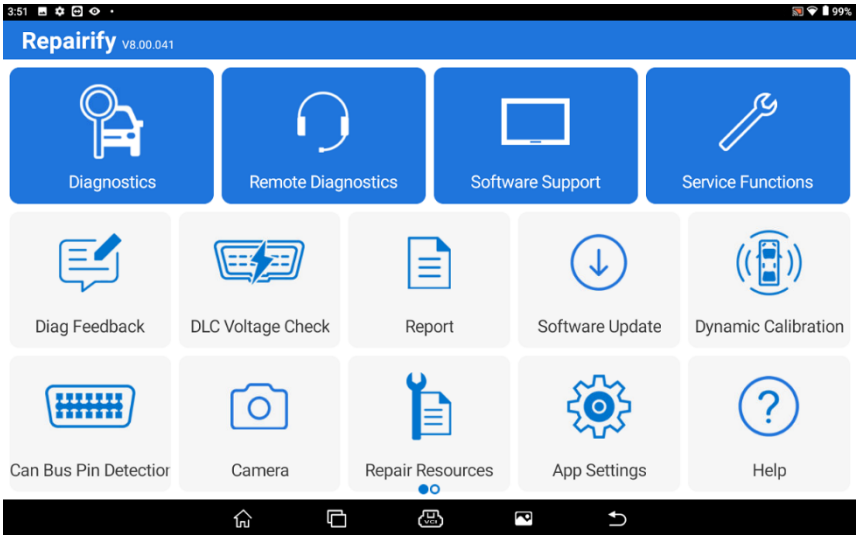
**Important: Regularly check to ensure they have the latest software.*



©Repairify 2025

6.1 Screen app

After opening the app, you will see the following screen. Here you will find buttons for different Diagnostics App main features.



Diagnostics – Allows Diagnosis and access reports from current /past tested vehicles as well as enabling resume from previous operation without starting all over again.

Remote Diagnostics – This option aims to help repair shops or technicians' access over the air remote diagnosis, reducing repair time. (Subscription/log is required)

Software Support - Request Help Ticket General, Diagnostic, system, Software Updates

Service Functions - Perform commonly used repair & maintenance services. Brake Reset, Oil maintenance Reset, steering angle, Reset, Battery Matching, ABS Bleeding, Electric Throttle Relearn, TPMS Reset Database, DPF Regen, Adaptive Lightning, Air level Calibration, Crank position sensor adaptive learning, Gearbox relearn, Immobilizer Reset, reset

Diag Feedback - Selecting this option will send 20 of the most recent diagnostic scan logs to technical support for analysis.

DLC Voltage Check - Voltage check via the OBD port to assure within accepted levels.

Report - Checks and manages diagnostic reports/live data recordings. Health, ADAS, Remote, Recorded Data

Software Update – Update the ETR App to the most current version, including APK.

Dynamic Calibrations – Adas

CAN BUS Pin Detection - Check CAN Bus functionality.

Camera - Capture repair photos to attach to your work file.

Repair Resources - Resources links that can be added for ease of use

APP Settings - astech Link, ADAS, Shop information, profile …

Help - astech Customer Service information, Vehicle coverage, about (updates, info.)

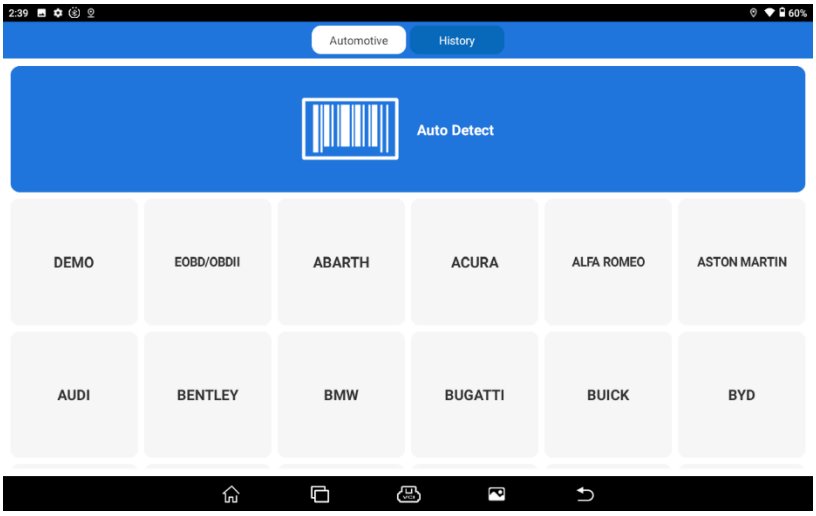
7. Diagnostics

The ETR device, when conducting an OEM-Compatible scan, can do more than just clear codes. Depending on the Year, Make, Model, and Trim (YMMT) of the vehicle connected, you'll have the ability to perform several Service Functions.

How to perform a Vehicle scan/read

Once the connection is established, you can now scan and read a vehicle through the system Topology and System List. After clicking on Diagnostics there are 2 options to establish a connection.

1. Via Auto Detect (this will automatically establish connection through the asTech Link or VCI and OBDII vehicle port.
2. Manual vehicle model selection (we recommend that the latest vehicle model version is selected)

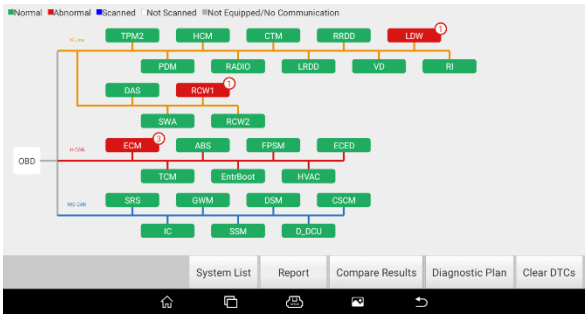


1. **System Topology** – Topology is the structure of a vehicle's network and a map of how the modules communicate with each other. Topology can show what modules the vehicle is equipped with and if any of the modules have faulty codes or Diagnostic Trouble Codes. This screen is where you'll find the buttons for the various Service Functions described briefly below.

2. **System List** – List of all the available modules for the YMM. Once the vehicle scan has been completed, this will show which modules the vehicle is equipped with, and can also enter the module for further diagnostics, if needed.

©Repairify 2025

On the system Topology you can Read, clear DTCs, as well as open, save and share reports.



REPORT

This option is used to view, delete, or share saved reports. When tapping Report, there are three options:

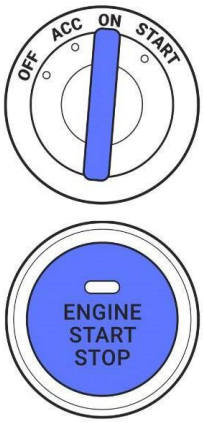
1. If the DTC result is saved on the Read Trouble Code page, the files will be available under the Health Reports tab.
2. If the user records parameters while reading the data stream, the Diagnostics App will save the file under the Recorded Data tab.
3. Remote Reports list all diagnostic reports generated with remote diagnostics, that are emailed to customers and stored in the Remote portal.

Note: Please refer to the asTech App for official diagnostics reports. The information under Report in the All-In-One App is meant for informational purposes only.

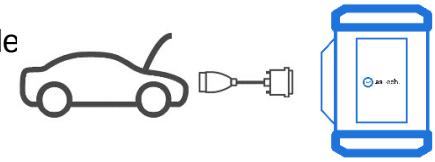
Once you have completed a scan, you will receive the report.

- **Performing an OEM Compatible Scan - Example**

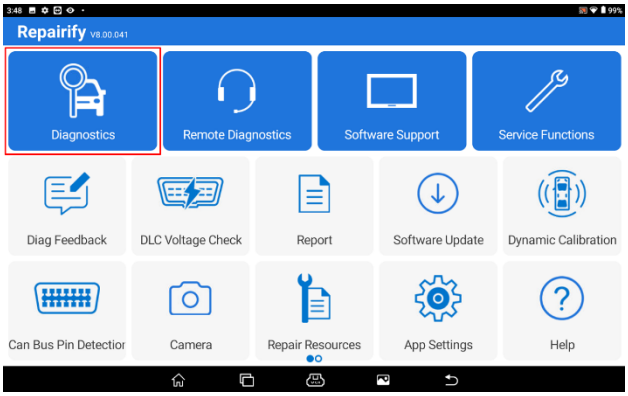
1 Set the vehicle ignition to “ON”.
For keyless ignition, follow the manufacturer’s recommendation; typically press and hold the ON button for 5-10 sec or press it twice.



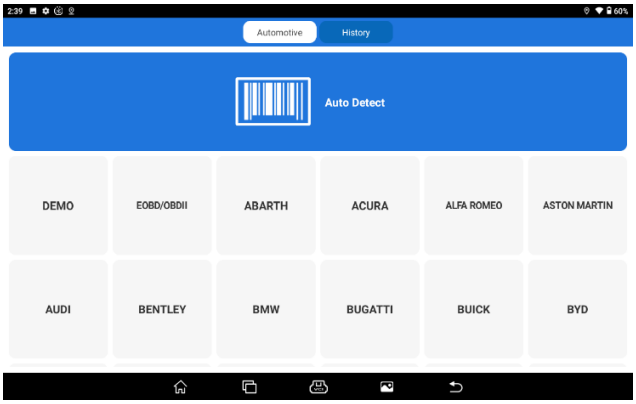
2 Connect the asTech Link or VCI device to the vehicle



3 Press the blue Diagnostics button to open the Connection app.



4 Select Auto Detect
to establish Connection.

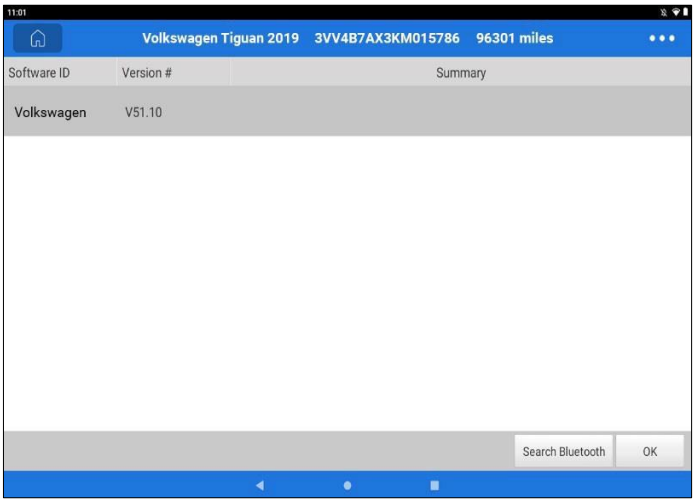


©Repairify 2025

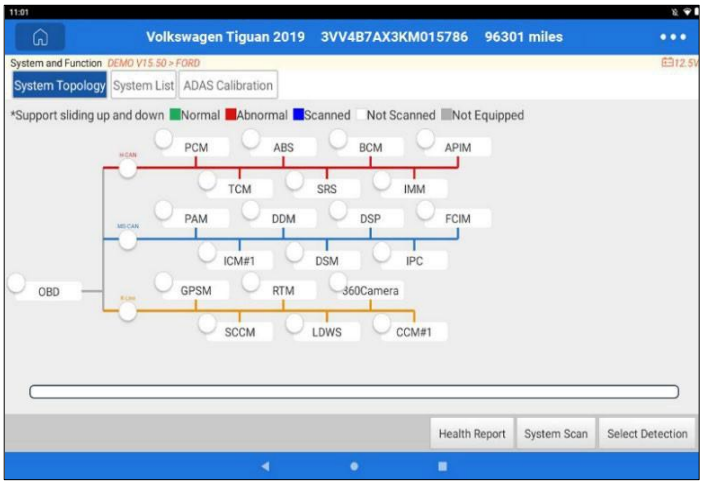
5 The following screen will show for 5-10 seconds.



6 Select the version you would like to use and Press **OK**.



7 Under the **System Topology**, select **Health Report** to scan your vehicle.

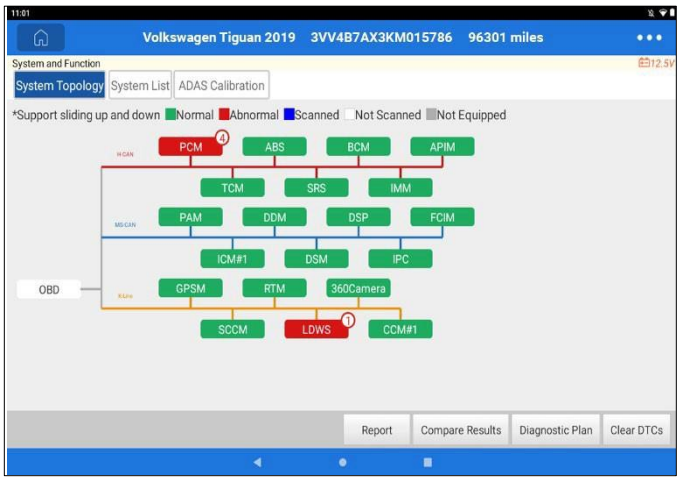


Once the **Health Report** is completed, you will see the status of each module.

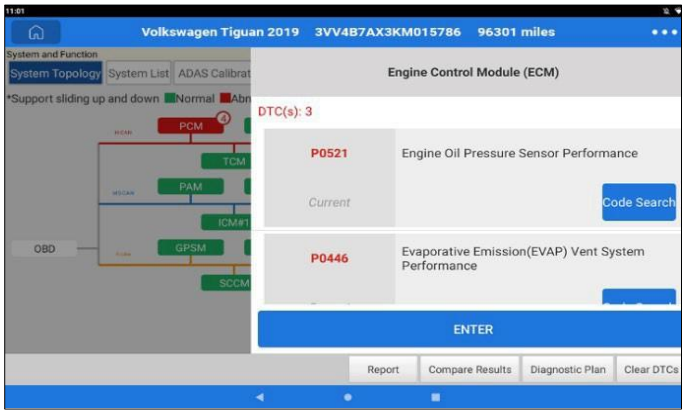
Green - Normal

Red - Abnormal

Gray - Not Equipped

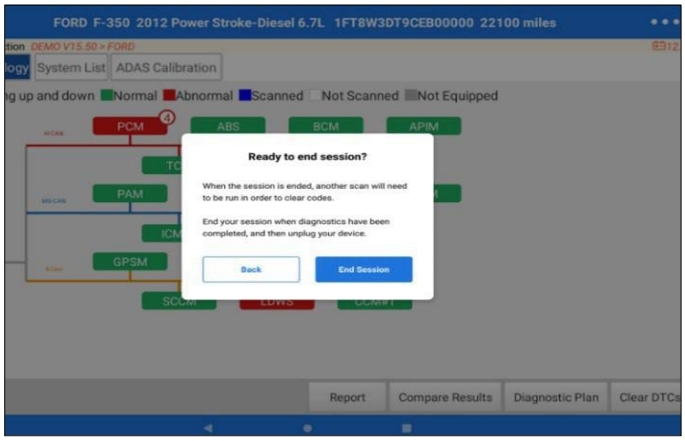


Select one of the modules highlighted red to view **DTCs.** Click the three dots in the upper right corner to go back to the System Topology page. *If an EOBD (Emissions On Board Diagnostics) is present, it may have emissions related codes.



Press **Report** and select **End Session** once you are satisfied with the scan.

You can also click the three dots in the upper right corner to go back to the asTech App.



©Repairify 2025

• Health Report

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

On the test item selection screen, tap Health Report and turn on the ignition switch, the system will start scanning the ECUs. Once the scanning process is complete, the following screen will appear:

The tested system with fault code appears in RED and the system functioning properly displays in GREEN (normally).

Warning: Diagnostic Trouble Codes or Fault Codes can be used to identify which engine systems or components that are malfunctioning. Never replace a part based only on the DTC definition. Retrieving and using DTCs for troubleshooting vehicle operation is only one part of an overall diagnostic strategy. Follow testing procedures (in vehicle's service manual), instructions and flowcharts to confirm the locations of the problem.

On-screen Buttons:

Enter: Tap to enter the diagnostic function selection screen.

(Search): Highlight certain diagnostic trouble code and tap it to retrieve it in the search engine.

Report: Tap to save the diagnostic result as a health report.

Note: Diagnostic report is classified into three categories: Pre-Repair report, post-repair report and Diagnostic Scan. No matter which types you saved the report as, the report type will be appended as a tag on the upper right corner of the diagnostic report for easier identification.

Tap to select the report type from the option list and input the required information, and then tap OK.

Note: To facilitate the comparison of the pre-repair and post-repair reports and get accurate test results, please make sure you saved the right type of diagnostic report.

To save the report as a common diagnostic report, select Diagnostic Scan.

Note: For workshop information, tap the input box to enter it. Alternatively, you can also set it in User Info -> Settings -> Shop Information.

Once you configured the information, it will be automatically generated every time you saved the diagnostic report. All vehicle and workshop information will be appended as tags on the diagnostic report.

To ignore the workshop information, tap SKIP to go to the report details screen.

On the report details screen, tap Save to save it. All diagnostic reports are saved in Reports -> Diagnostic Report.

Help: Tap to view the help information of the selected DTC item.

Compare Results: Tap to select the pre-repair report to compare. By comparison of the pre- and post- repair reports, you can easily identify which DTCs are cleared and which remain unfixed.

- Post indicates DTC status of post-repair.
- Pre indicates DTC status of pre-repair.

Note: Before performing this function, please make sure that:

- You have saved a pre-repair report of the currently tested vehicle, and
- You have already made some repairs and service and cleared the DTCs after the pre-repair report is generated. Otherwise, no differences exist between the pre- and post- repair reports.

Clear DTCs: Tap to clear the existing diagnostic trouble codes.

Note: 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 causes the DTC to set manifests itself.

System Scan

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

On the test item selection screen, tap System Scan, the system starts scanning the systems. Once the scanning process is complete, the following screen will appear.

Tap the desired system to go to the diagnostic function selection screen.

System Selection

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

On the test item selection screen, tap System Selection, the screen displays as follows:

Swipe the screen from the bottom to view the vehicle system on the next page.

Tap the target system (take Engine for example) to enter the diagnostic function selection screen.

Note: Different vehicles have different diagnostic menus.

• How to Read Fault Code

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

Caution: 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 service manual.

On the diagnostic function selection screen, tap Read Fault Code, the screen will display the diagnostic result.

On-screen Buttons:

Freeze Frame: When an emission-related fault occurs, certain vehicle conditions are recorded by the on-board computer. This information is referred to as freezing frame data. Freeze frame data includes a snapshot of critical parameter values at the time the DTC is set.

Help: Tap to view the help information.

Code Search: Tap to search for more information about the current DTC online.

Report: Tap to save the current data in text format. All reports are saved in Report -> Health Reports.

• How to Clear Fault Code

This function enables you to erase the codes from the vehicle after reading the retrieved codes from the vehicle and certain repairs have been carried out. Before performing this function, make sure the vehicle's ignition key is in the ON position with the engine off.

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 cause the DTC to set manifests itself.

On the diagnostic function selection screen, tap Clear Fault Code, the following screen will appear.

Tap YES, the system will automatically delete the currently existing trouble code.

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 the code using a factory diagnosis guide, then clear the code and recheck.

©Repairify 2025

• How to Read Data Stream

This option lets you view and capture (record) real-time Live Data. This data including current operating status for parameters and/or sensor information can provide insight on overall vehicle performance. It can also be used to guide vehicle repair.

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

Note: The real time (Live Data) vehicle operating information (values/status) that the on-board computer supplies to the tool for each sensor, actuator, switch, etc. is called Parameter Identification Data (PID).

On the diagnostic function selection screen, tap Read Data Stream, the following screen will appear.

On-screen Buttons:

Select Page: Tap to select all items of the current page.

Select All: Tap to select all items. To select certain data stream item, just check the box before the item name.

Unselect: Tap to deselect all data stream items.

OK: Tap to confirm and jump to the next step.

After selecting the desired items, tap OK to enter the data stream reading page.

Notes:

1. Tap the following popup will appear.

Here the user can set different display styles for each selected item.

indicates sticky top. If it is tapped, it will change into. On the data stream display screen, the data stream item with will be shown on the top of the selected data stream list. To remove it from the top of the list, just tap it again.

B indicates this item will be displayed in Bold.

A indicates this item will be displayed in Red.

2. Tap English or Metric to switch the measurement unit.

3. 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, it displays in blue (normal mode).

4. The indicator 1/X shown at 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 3 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 texts and shows in list format.

 Graph – Displays the parameters in waveform graphs.

 Combine – This option is mostly used in graph merge status for data comparison. In this case, different items are marked in different colors.

On-screen Buttons:

Graph (Single): Tap to view the parameter in waveform graph.

- Min/Max: Tap to define the maximum / minimum value. Once the value goes beyond the specified value, the system will alarm.

Graph: Tap to view the parameters in waveform graphs.

- Combine: This option is mostly used in graph merge status for data comparison. In this case, different items are marked in different colors (maximum 4 items can be displayed on the same screen simultaneously). If the graph is more than one page, swipe the screen from the left to jump to the next page.

- Value: Switches the current graph display mode to the Value display mode.

- Customize: Tap, a pull-down list of data stream items appears on the screen. Select / deselect the desired items, and then screen will display / remove the waveforms corresponding to these items immediately.

Report: Tap to save the current data in text format. All reports are saved in Reports -> Diagnostic Reports.

Record: Tap to start recording diagnostic data. Recorded live data can serve as valuable information to help you in troubleshooting vehicle problems.

Tap to end recording and save it. The saved file follows the naming rule: It begins with vehicle type, and then the product S/N and ends with record starting time (To differentiate between files, please configure the accurate system time).

All diagnostic records can be replayed from Reports -> Live Data Recordings.

• Actuation Test

This option is used to access vehicle-specific subsystem and component tests.

Available tests vary by vehicle manufacturer, year, and model.

During the actuation test, the display tablet outputs command the ECU to drive the actuators and then determines the integrity of the system or parts by reading the ECU data, or by monitoring the operation of the actuators, such as switching an injector between two operating states.

On the diagnostic function selection screen, tap Actuation Test, the following screen will appear: Insert Screen

Simply follow the on-screen instructions and make appropriate selections to complete the test.

Each time when an operation is successfully executed, complete displays.

©Repairify 2025

• Remote Diagnostics

This option enables technicians to access additional features, such as OEM scans, OEM Compatible scans, and reports. Once the account is setup and activated for Remote Services by Selecting the Remote Diagnostics button on the center of the ETR App this will direct users to the Remote Services App.

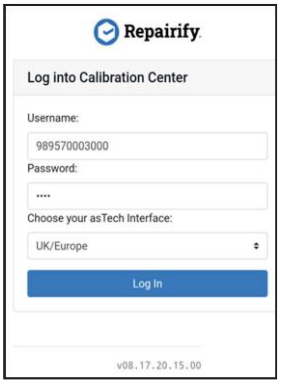
Remote Services Portal

Once the Remote Services App is opened, users will need to log in to start a new request. Please submit new requests by completing the following:

1. Verify that the asTech Link VCI is connected to the vehicle and the ETR Diagnostic Tablet. Both components will need to be connected to the Internet, either by wireless or wired connection.
2. Once the asTech Link VCI is connected, tap the Remote Diagnostics button on the ETR App and Log in your details.
3. Insert the username and password and tap LOG IN

Username: Device serial number
Password: Last 4 digits of the Serial number





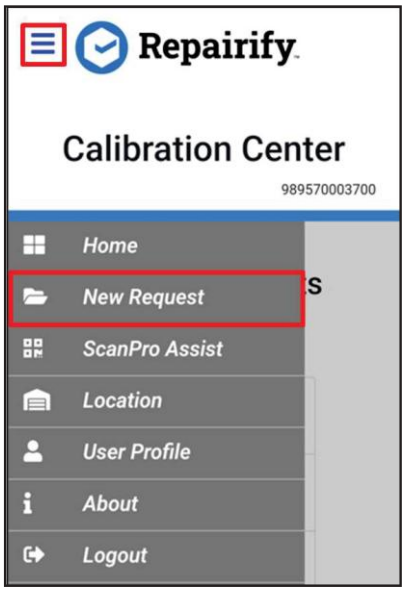


4. 4. On the next page select your name from the "Choose Contact"
5. drop-down list and select desired language and tap "Update

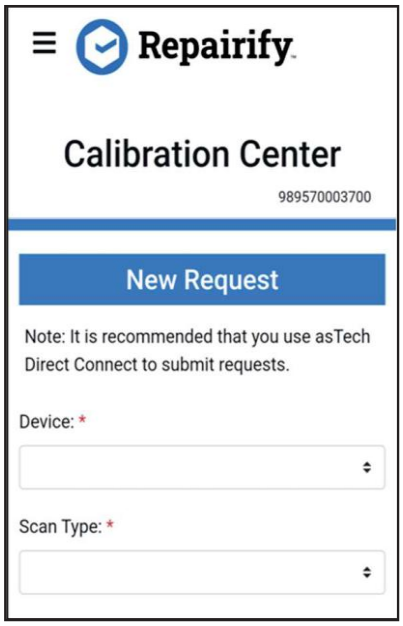
©Repairify 2025

Remote Services Request submission

Tap the Menu icon (3 blue lines) in the upper-left corner of the screen. Then select "New Request"

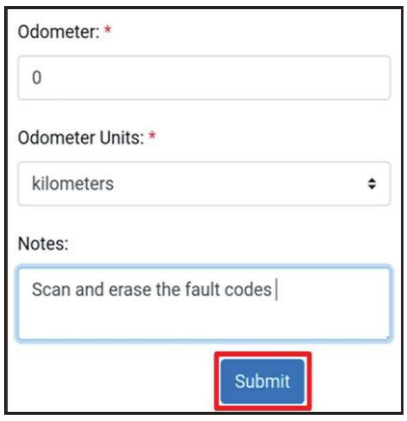


Select your device serial number in the device drop down and the ADAS Calibration for the scan type.



Complete the fields on this page and in the Notes box, explain what you need for the vehicle. What interventions have you already undertaken?

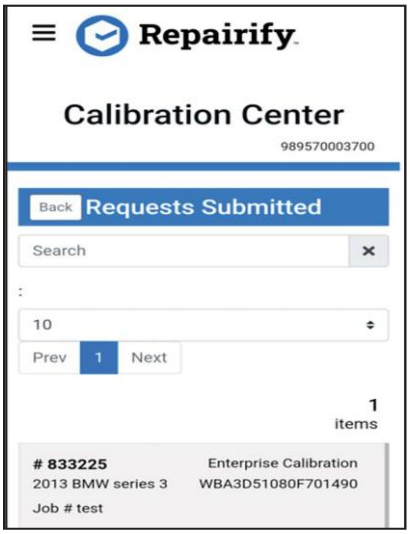
When complete select "submit".



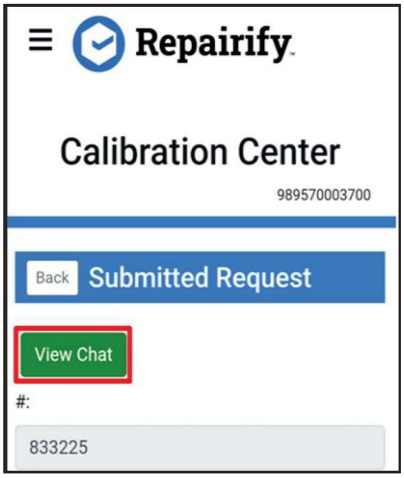
©Repairify 2025

Your request has been submitted to the queue.

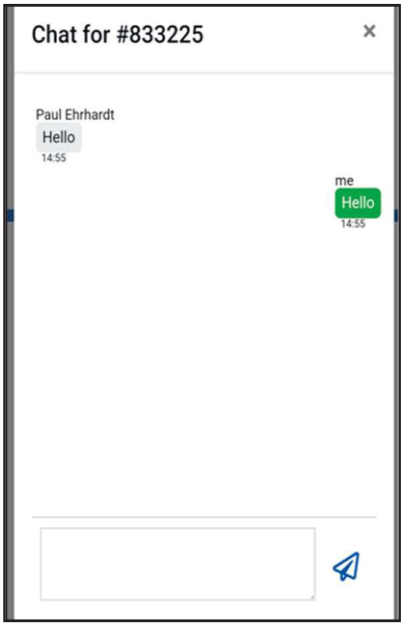
On the next page click on the case you have just submitted.



Click "view chat"



The chat will open, and you will be able to discuss it with an asTech technician. They will then connect to your ETR and begin the scan on your vehicle.



©Repairify 2025

Module Programming – This is for when a new module is, or going to be, installed and the technician must program the new module to configure to the vehicle. Some manufacturers have this function split into multiple selections.

ADAS Calibrations – A list of available ADAS calibrations for that specific vehicle. These will be performed under certain manufacturer-specific conditions, such as when a Forward-Facing Camera (Windshield Camera) has been removed from the vehicle due to a new windshield being installed.

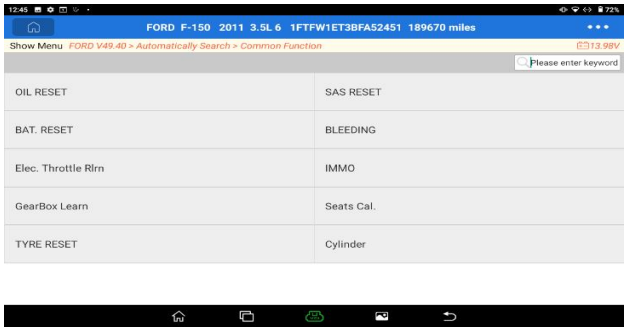
Again, the options will vary by YMMT, and different options may be available over time as we're continuously adding Service Functions to the tool.

And as always, if you find yourself unable to perform the desired Service Function car side, you can always switch over to an OEM scan and have one of our highly skilled technicians do it for you with the OEM tool.

©Repairify 2025

• Service Functions

Consists of a list of functions that include initializations, resets, and configurations. This allows the synchronization of newly installed parts and the module(s) that control them to ensure the new part is operating correctly. Each vehicle may have different functions available.
This also includes resets and initializations that don't require configuring modules. Examples would be oil light reset, ABS bleeding, passenger seat weight calibration, etc.... (Not available on every manufacturer/included in Special Functions on some manufacturers.)



Oil Reset Service - This function enables you to reset the oil life monitor, which calculates the optimal oil change interval depending on driving habits, weather, and other conditions.
It needs to be performed in the following cases:

- If the service light is on, run diagnostics first for troubleshooting. After running a diagnostic scan, reset the driving time or mileage to turn off the service light and start a new oil cycle.
- If the service light is not on, but you have changed the oil or the electric appliances that monitor oil life, you need to reset the service light.

Electronic Parking Brake Reset - This function enables you to reset the brake light after replacing the brake pad. It needs to be performed in the following cases:

- The brake pad(s) and brake pad wear sensors(s) were replaced.
- The brake pad indicator light is on.
- The brake pad sensor experienced a short circuit and is repaired.
- The servo motor is replaced.

Steering Angle Calibration - This function resets the steering angle to zero to ensure that the vehicle recognizes the steering angle correctly. This calibration needs to be performed after replacing the steering angle position sensor, after replacing steering system components, after completing a four-wheel alignment, or body repair.

To reset the steering angle, locate the relative zero-point position for the car to drive in a straight line. Taking this position as a reference, the ECU can calculate the accurate angle for left and right steering.

ABS Bleeding - This function allows you to perform various bi-directional tests to check the operating conditions of the Anti-Lock Braking System (ABS).
This operation needs to be performed in the following cases:

- When there is air in the ABS.
- Following ABS computer, ABS pump, brake master cylinder, brake cylinder, brake line, or brake fluid replacements.

Tire Pressure Monitor System Reset
This function can reset the tire pressure and turn off the Malfunction Indicator Lamp (MIL). This reset needs to be performed in the following cases:

- After the MIL turns on and maintenance is performed, this operation must be performed to reset the tire pressure sensor and turn off the MIL.
- When the tire pressure is low, there is a tire leak, the tire pressure monitor is replaced or installed, a tire is replaced, the tire pressure sensor is damaged, or a tire is replaced on a vehicle that features tire pressure monitoring.

Gear Learning - This function enables you to perform vehicle gear learning, which turns off the MIL. It needs to be performed in the following cases:

1. After the replacement of the engine ECU, crankshaft position sensor, or crankshaft flywheel.
2. DTC “gear not learned” is present.

Anti-Theft Key Matching - This function enables you to perform anti-theft key matching so the immobilizer control system can identify and authorize remote control keys.
This operation needs to be performed in the following cases:

- When the ignition key, ignition switch, instrument cluster, engine control unit (ECU), body control module (BCM), or remote-control battery is replaced.

Injector Coding - This function can write or rewrite the code for the corresponding cylinder in the ECU, allowing the control or correction of the cylinder injection quantity.

Injector coding needs to be performed in the following cases:

- After the ECU or injector is replaced.

Battery Maintenance System Reset - This function resets the monitoring unit of the car battery by clearing the original battery reading and matching the new reading to the current battery level. This operation needs to be performed in the following cases:

- The main battery has been replaced. Battery matching needs to take place after the replacement of the

main battery to clear information about the lack of power, helping to avoid false system information, which could cause the failure of some electronic auxiliary functions. If this reset is not done, the vehicle may automatically stop, the sunroof may not operate properly, or the windows may not open and close.

- The battery monitoring sensor is replaced. This sensor uses the battery matching function to pair the control module with the monitoring sensor, enabling accurate battery power detection. The reset also helps to prevent the misread of instrument prompts.

Diesel Particulate Filter (DPF) Regeneration -This function can help remove Particulate Matter (PM) from the DPF by using combustion oxidation methods, such as high-temperature heating combustion, fuel additives, catalyst reduction, and PM ignition combustion. This process helps to keep the performance of the filter stable.

DPF regeneration needs to be performed in the following cases:

- The exhaust back pressure sensor is replaced.
- The PM trap is removed or replaced.
- The fuel additive nozzle is removed or replaced.
- The catalytic oxidizer is removed or replaced.
- The DPF regeneration MIL is on, and maintenance is performed.
- The DPF regeneration control module has been replaced.

Electronic Throttle Position Matching

This function initializes the throttle actuator to return the learned values stored on the ECU to their initial state. By doing so, the movement of the throttle (or idle motor) can be more accurately controlled, thus allowing for the adjustment of the intake volume.

This procedure needs to be performed in the following cases:

- After replacing the ECU, the relevant characteristics of throttle operations have not been stored in the new ECU.
- If the ECU is powered off and its memory is lost.
- After replacing the throttle assembly.
- After replacing or disassembling the intake port. Otherwise, the idle speed control may be affected.
- If the intake volume and the idle control behavior change while in the same throttle opening position, although the idle throttle potentiometer behavior hasn’t changed.

Gearbox Matching - This function can complete gearbox self-learning and improve the quality of shifting. It needs to be performed when the gearbox is disassembled or repaired.

AFS (Adaptive Headlights) Reset - This function enables adaptive front-lighting system initialization.

Sunroof Initialization -This function can disengage the sunroof lock, enable memory functions to slide or tilt the sunroof, set an outside temperature threshold, etc.

Suspension Calibration - This function adjusts the vehicle body height sensor for level calibration. It needs to be performed in the following cases:

- When replacing the body height sensor or air suspension system control module.
- When the vehicle height is incorrect.

EGR Adaption - This function is used to learn the Exhaust Gas Recirculation (EGR) valve after it is cleaned or replaced.

Seat Calibration - This function is applied to match seats with memory functions in the event of seat replacement or repair.

Windows Calibration -This function is used to perform door window matching to recover ECU memory and the automatic ascending and descending functions.

Transport Mode -To lower vehicle power consumption, the user may perform the following operations: limit vehicle speed, disengage automatic functions, or disable the remote key. In this case, deactivating the transport mode is needed to reset the default functions.

Gas Particulate Filter (GPF) Regeneration - After the GPF is used for an extended period, fuel consumption is increased, and engine output power is reduced. In this case, GPF replacement or regeneration must be performed.

©Repairify 2025

- **Software update**

This module enables you to update the diagnostic software and Diagnostics App.

- Go to Software Update on the All-In-One App and tap the Downloaded tab.
- The Available tab displays a list of software that can be updated.

- **APP Settings**

This section allows Users to change some application settings and view software version information.

Profile - **This function allows users** to view and configure personal information.

VCI - This option allows users to manage activated asTech Link VCI devices. The asTech Link VCI device activated on this ETR Diagnostic Tablet will be displayed on this section.

VCI Management - This option is used to deactivate Bluetooth pairing to the asTech Link VCI.

Firmware Fix - Use this option to upgrade and fix the diagnostic firmware. During the fixing process, please do not turn off the power or switch to other features on the ETR Diagnostic Tablet.

Sample - This feature allows users to manage the recorded data stream sample files.

Units - This feature configures the measurement unit. The Metric System and English System are available.

.

Printer Set

This option is designed to establish a wireless connection between the ETR Diagnostic Tablet and a wireless printer (sold separately) to perform printing operations.
The All-In-One App is compatible with wireless printers**.**

For Wireless Printers:

Before printing, make sure the following conditions are met:

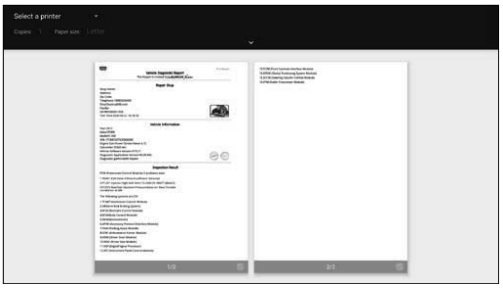
- The wireless printer is powered on and working normally.
- The print service plug-in associated with the printer is already installed on the ETR Diagnostic Tablet.

Follow the steps below to proceed:

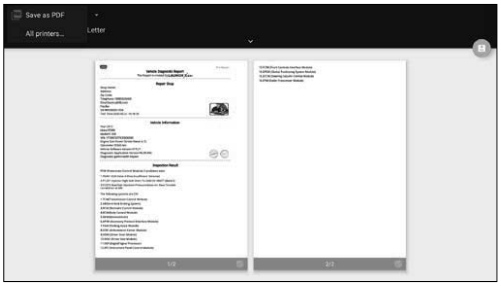
1. Set the default printer in **System**.
2. Go to **Other Modules > Tablet Settings > WLAN**, then set the WLAN switch to **Off**.
3. On the **Report** details page, tap .



4. Touch next to **Select a printer** on the upper left corner of the screen.



5. Select **All Printers > Add Printer** and enable the installed printer service. The system will start searching for all available wireless printers.



6. Select the desired wireless printer from the list. If the chosen printer is not password protected, the All-

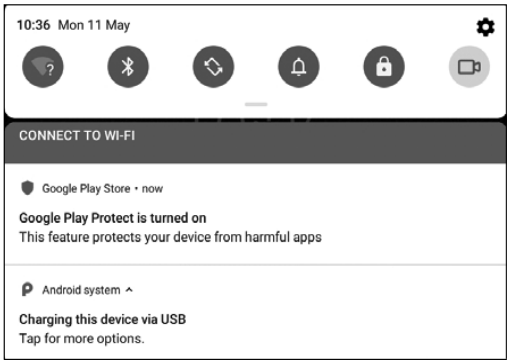
In-One Diagnostic Tablet can connect automatically. If the printer is encrypted, a password may be required. Refer to the wireless printer user manual to locate the default password.

7. Now the printer is ready for printing.
8. Alternatively, you can also choose **Save as PDF** to save the current diagnostic report as a PDF file.

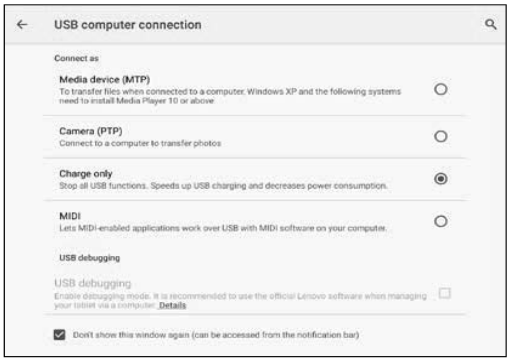
File Transfer

Users can transfer media files, screenshots, and the APK between a PC and the ETR Diagnostic Tablet.

1. Connect one end of the included charging/data cable to the charging/data I/O port of the ETR Diagnostic Tablet, and the other end to the USB port of the PC.
2. Swipe the screen from the top to open a pull-down option list.



3. Tap **Charging this device via USB**, then the following options will be displayed on the screen.



4. Select the checkbox for **Media device (MTP)** under the **Connect as** tab.
5. Now files can transfer between the ETR Diagnostic Tablet and the PC.

FAQ & Glossary

ETR Diagnostic Tablet

How can I save the tool's power?

- Turn off the screen while the tool is idle.
- Set a shorter standby time.
- Decrease the brightness of the screen.
- If wireless connection is not required, please turn it off.

Why is the ETR Diagnostic Tablet having a communication error with the vehicle ECU?

- Please confirm:
- Whether the asTech Link VCI is correctly connected.
- Whether the ignition switch is ON.
- If all checks are normal, submit the vehicle year, make, model, and VIN using the Feedback feature.

What should one do if the tool fails to enter the vehicle's ECU system?

- Please confirm:
- Whether the vehicle is equipped with this system.
- Whether the asTech Link VCI is correctly connected.
- Whether the ignition switch is ON.
- If all checks are normal, submit the vehicle year, make, model, and VIN using the Feedback feature.

How does a user reset the ETR Diagnostic Tablet?

 Warning: Resetting may cause data loss. Before doing so, make sure important data and information has been backed up. Do the following to reset the tablet:

Tap Settings > System > Reset options.

Tap Erase all data (factory reset).

Tap RESET TABLET.

Tap ERASE EVERYTHING to start the tool reset. It will automatically reboot.

What should I do if the language of the vehicle diagnostic software does not match the system language?

English is the default system language of the ETR Diagnostic Tablet. After the system language is set to the preferred language, please go to the update center to download the vehicle diagnostic software of the corresponding language.
If the downloaded diagnostic software is still displayed in English, it indicates that the software of the current language is under development.

What should I do if I accidentally logged out of the All-In-One App?

Please follow the steps below to proceed in case you are logged out:

1. Call asTech Customer Service to retrieve the password.
2. Tap the All-In-One application icon on the home screen.
3. Tap the **Login** button on the upper right corner of the screen.
4. Enter the password as provided.

asTech Link / VCI

What network conditions are required for asTech diagnostic services?

Remote operations require a network broadband of 100 MB or higher.

What does the word “delay” mean?

The delay message (network delay) indicates that the quality of the current network is not sufficient. Different colors represent different delay statuses:

Green: Indicates that the network is normal. It is recommended that the diagnostics operation be performed when the network status is green. Otherwise, communication with the vehicle may fail or incorrect system detection may occur.

Yellow: Indicates that the network is not stable.

Red: Indicates that the network delay is serious and not suitable for remote diagnostics. Alternatively, it can mean that the network is disconnected.

Why is the network connection so poor?

If the displayed network connection is poor, there may be too much network traffic. It is recommended to use a stable network for asTech remote services.

Why does a cloud icon appear on the upper right corner on the asTech Link VCI screen?

Some networks have firewall restrictions which lead to longer connection delays. This icon may appear if the system is connected to networks managed by communities or companies. It is recommended to use the networks directly installed by telecommunication operators where there is no firewall restriction.

Is it necessary to start the car after the diagnostic system starts working?

For some vehicle conditions, the restart will provide a more detailed analysis after OBD diagnostics.

Can I charge the asTech Link VCI through an external DC power supply?

No. The asTech Link VCI obtains power only through a vehicle’s OBD diagnostic port. Getting power through an external DC power supply could result in system malfunction.

How do you update the asTech Link?

After the asTech Link is powered on and connected to a network, the message, “upgrade now?" will be displayed if a new system version is available. Tap “Yes” to start updating, then wait until the update is complete.

©Repairify 2025

Glossary of Terms & Abbreviations

ABS – Anti-Lock Brake System
AC – Alternating Current
ADAS –Advanced Driver Assistance Systems
AFS – Adaptive Front-Lighting System
CAN – Controller Area Network
Communication Protocol – Allows different systems and sensors in a vehicle to communicate. There are currently five protocols:

- CAN Bus
- J1850 VPW
- ISO 9141-2
- J1850 PWM
- ISO 14230 KWP

DC – Direct Current
DLC – Data Link Connector: The 16-pin connector on the vehicle allows communication between a computer system and the diagnostic tool.

DPF – Diesel Particulate Filter
DTC – Diagnostic Trouble Code: A code stored in the computer system's memory that helps to identify the fault that is causing the MIL to activate.

Drive Cycle – A set of driving procedures that, when met, provide the Enabling Criteria for the I/M Monitors to run and complete their diagnostic tests.

Freeze Frame Data – A digital representation of the engine and/or emissions system conditions present when a fault code was recorded.

Generic Code – A DTC that applies to all OBD II-compliant vehicles.
I/M – Inspection and Maintenance
I/M Readiness – An indication of whether a vehicle's emissions-related systems are operating properly and are ready for Inspection and Maintenance testing.

IMMO – Immobilizer
LCD – Liquid Crystal Display
LED – Light Emitting Diode
Manufacturer Specific Code – A DTC that applies only to OBD II-compliant vehicles made by a specific manufacturer.

MIL – Malfunction Indicator Lamp: The vehicle's "Check Engine" warning light that activates when a DTC is stored.

OBD I – On-Board Diagnostics Version 1
OBD II – On-Board Diagnostics Version 2
OEM – Original Equipment Manufacturer

PID – Parameter Identification Data: Data sent from the vehicle's control modules to the diagnostic tool.

PDF – Portable Document Format

TPMS – Tire Pressure Monitor System

VCI – Vehicle Communication Interface

WLAN – Wireless Local Area Network

Warranty

This warranty is expressly limited to people who purchase asTech products for purposes of resale or use in the ordinary course of the buyer's business.

For purchased units, the asTech ETR is warranted against defects in materials and workmanship for two years (12 months) from the date of activation.

For subscription units, the asTech ETR is warranted against defects in materials and workmanship while the subscription is active and continuous. Failure to satisfy the terms of the subscription agreement could result in a void warranty.

This warranty does not cover any abuse, alteration, or use other than for which it was intended, or used in a manner inconsistent with the user instructions. The exclusive remedy for any automotive meter found to be defective is repair or replacement, and asTech shall not be liable for any consequential or incidental damages.

The final determination of defects shall be made by asTech in accordance with stipulated procedures.

Statement:

asTech reserves the right to make any change to product designs and specifications without notice. The actual object may differ from the descriptions in this manual in physical appearance, color, or configuration. We have tried our best to make the descriptions and illustrations in this manual as accurate as possible, and defects are inevitable. If you have any questions, please contact asTech Customer Service. asTech does not bear any responsibility arising from any misunderstanding.

©Repairify 2025