

ANCEL[®]

USER'S MANUAL

AD530



1. Safety Precautions and Warnings

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

- Turn the ignition off first, then connect 16-pin to plug, then turn the ignition on.
- Always perform automotive testing in a safe environment.
- Do not attempt to operate or observe the tool while driving a vehicle. Operating or observing the tool will cause driver distraction and could cause a fatal accident.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
- Operate the vehicle in a well ventilated place: Exhaust gases are Poisonous.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
- Keep a fire extinguisher suitable for gasoline/chemical/electrical fires nearby.

Keep the scan tool dry, clean, free from oil/water or grease. Use a

- mild detergent on a clean cloth to clean the outside of the scan tool, when needed.

2. General Information

2.1 On-Board Diagnostics (OBD) II

The first generation of On-Board Diagnostics (called OBD I) was developed by the California Air Resources Board (CARB) and implemented in 1988 to monitor some of the emission control components on vehicles. As technology evolved and the desire to improve the On-Board Diagnostic system increased, a new generation of On-Board Diagnostic system was developed. This second generation of On-Board Diagnostic regulations is called "OBD II".

The OBD II system is designed to monitor emission control systems and key engine components by performing either continuous or periodic tests of specific components and vehicle conditions. When a problem is detected, the OBD II system turns on a warning lamp (MIL) on the vehicle instrument panel to alert the driver typically by the phrase "Check Engine" or "Service Engine Soon". The system will also store important information about the detected malfunction so that a technician can accurately find and fix the problem. Here below follow three pieces of such valuable Information:

- 1) Whether the Malfunction Indicator Light (MIL) is commanded 'on' or 'Off';
- 2) Which, if any, Diagnostic Trouble Codes (DTCs) are stored;
- 3) Readiness Monitor status.

2.2 Diagnostic Trouble Codes (DTCs)

OBD II Diagnostic Trouble Codes are codes that are stored by the on-board computer diagnostic system in response to a problem found in the vehicle. These codes identify a particular problem area and are intended to provide you with a guide as to where a fault might be occurring within a vehicle. OBD II Diagnostic Trouble Codes consist of a five-digit alphanumeric code. The first character, a letter, identifies which control system sets the code. The other four characters, all numbers, provide additional information on where the DTC originated and the operating conditions that caused it to be set. Below is an example to illustrate the structure of the digits:

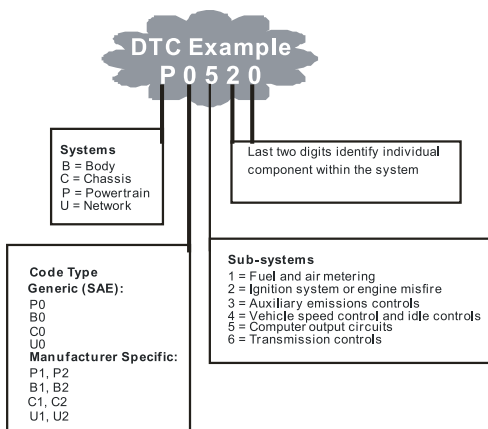


Figure 1-2: Explanation of a diagnostic trouble code.

2.3 Location of the Data Link Connector (DLC)

The DLC (Data Link Connector or Diagnostic Link Connector) is the standardized 16-pin connector where diagnostic scan tools interface with the vehicle's on-board computer. The DLC is usually located 12 inches from the center of the instrument panel (dash), under or around the driver's side for most vehicles. If the Data Link Connector is not located under the dashboard, a label should be there revealing its location. For some Asian and European vehicles, the DLC is located behind the ashtray and the ashtray must be removed to access the connector. If the DLC cannot be found, refer to the vehicle's service manual for the location.

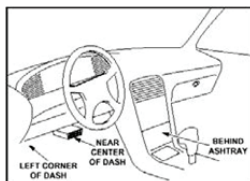
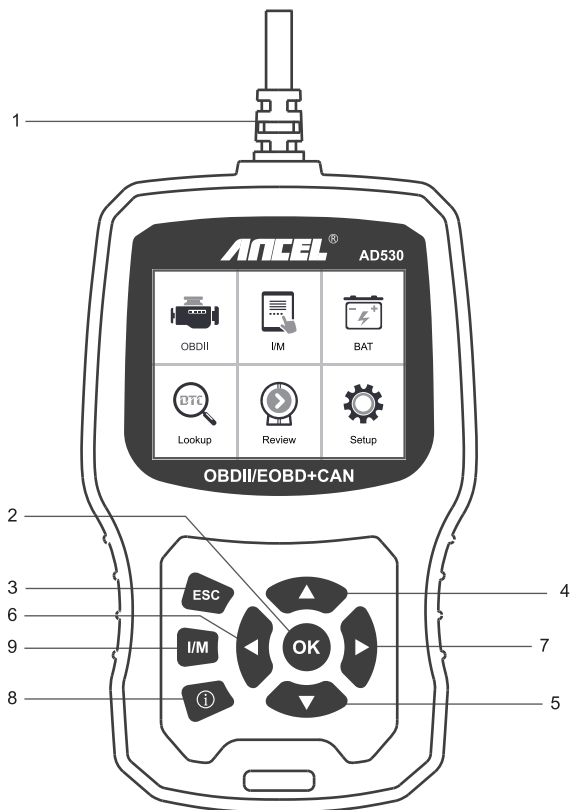


Figure 1-3: The DLC connector (left) can be found in the area of the car interior seen at right (black arrow).

3. Using the Scan Tool

3.1 Tool Description - ANCEL AD530



1. OBDII Connector- Connect the tool to the vehicle's Data Link Connector(DLC).

2. OK BUTTON- Confirm a selection (or action) from a menu.

3. ESC BUTTON- Cancel a selection (or action) from a menu or returns to the menu.

4. UP BUTTON - Moves up through menu and submenu items in menu mode.

5.DOWN BUTTON- Moves down through menu and submenu items in menu mode.

6. LEFT BUTTON- When looking up datastream, if the datastream display more than one screen, or turn page up or down when more than one page is displayed.

7. RIGHT BUTTON- When looking up datastream, if the datastream display more than one screen, or turn page up or down when more than one page is displayed.

8. HELP BUTTON- Provides help information ,Press the help button will obtain more the fault code explanation.

9. “I/M” BUTTON- Quick State Emissions readiness check and drive cycle verification.

I/M Readiness			
IGN	Compression		
CtDTC	6	PdDTC	4
MIL		NCAT	X
MIS	Ø	BP	Ø
FUEL	Ø	EGS	✓
CCM	Ø	PM	Ø
HCCAT	✓	EGR	Ø

Remarks:

MIL Yellow- Dashboard MIL ON

MIL Gray-Dashboard MIL OFF

Ø -not support

✓ -complete

X -not complete

3.2 Specifications

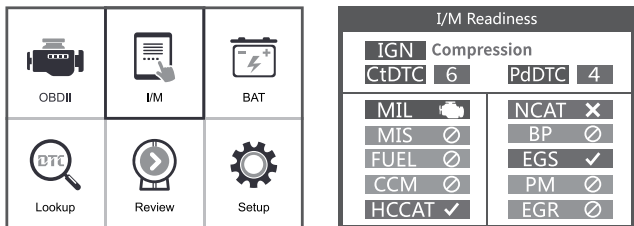
- 1) Display: 2.8” TFT 262K true color
- 2) Operating Temperature: 0 to 60 C (32 to 140 °F)
- 3) Storage Temperature: -20 to 70 C (-4 to 158 °F)
- 4) External Power: 8.0 to 18.0V power provided via vehicle battery
- 5) Dimensions: 152*92*28mm
- 6) Weight: 0.45kg

3.3 Accessories Included

- 1) User's Manual -- Instructions on tool operations.
- 2) USB cable - Used to upgrade the scan tool.

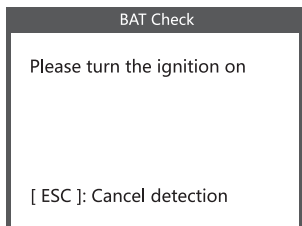
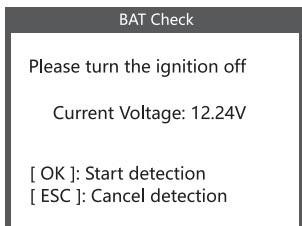
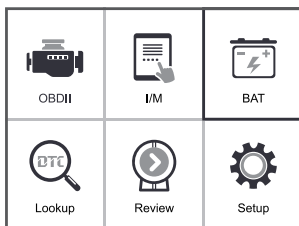
3.4 I/M

A snapshot of the emission systems operations for all OBD II vehicles - i.e., misfire monitor, evap systems monitor and more. Choose [I/M] and it displays as follow :

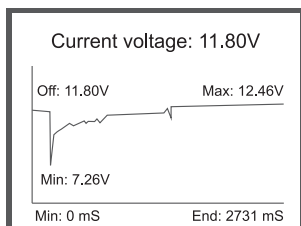


3.5 BAT Check

The function is used to read real time battery voltage. From the Main Menu, use the LEAF/ RIGHT scroll button to select the BAT menu and press the OK button. the screen will display the interface as shown below:



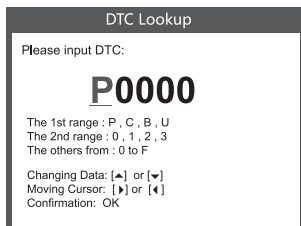
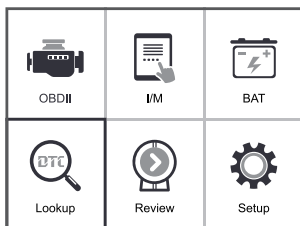
When press[OK]button and Start detection, it's display interface:



3.6 DTC Lookup

The DTC Lookup function is used to search for definitions of Code stored in the built-in Code library.

- 1) From the Main Menu, use the LEFT /DOWN scroll button to select the Code Lookup and press the OK button.



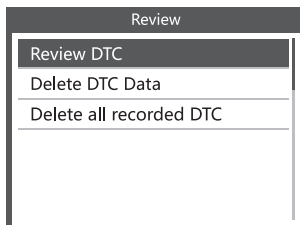
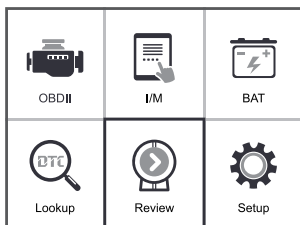
For manufacturer specific codes , you'll need to select a vehicle make on an additional screen to look for DTC definitions.

If definition could not be found (SAE or Manufacturer Specific), the scan tool displays "DTC definition not found! Please refer to vehicle service"manual !"

- 2) To exit to the Main Menu, press the ESC button.

3.7 Review

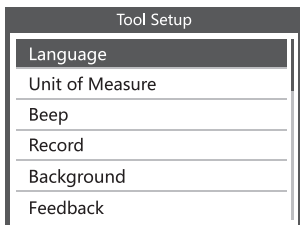
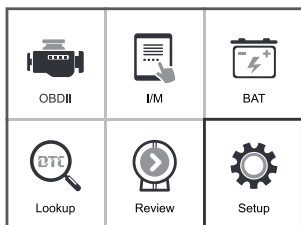
This function is used to review the recorded DTC. Select Review in the Main Menu and press Enter and the screen will display the interface as shown below:



3.8 Tool Setup

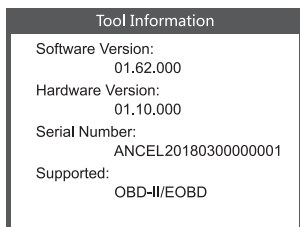
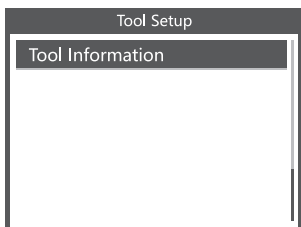
The scan tool allows you to make the following adjustments and settings:

- 1) Select Language: Selects the desired language.
- 2) Unit of Measure: Set measure to English or Metric.
- 3) Beep Set: Turns ON/OFF beep.
- 4) Record: ON/OFF the Record.
- 5) Background.
- 6) Feedback.



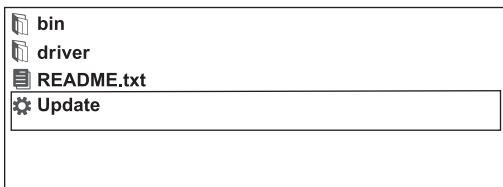
7) Tool Information.

Choose [Tool Information] and it displays as follow :

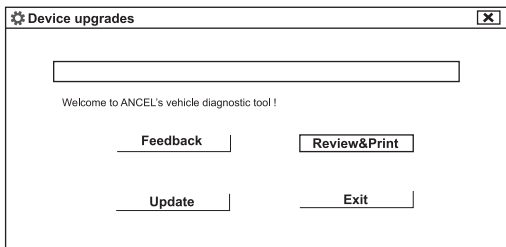


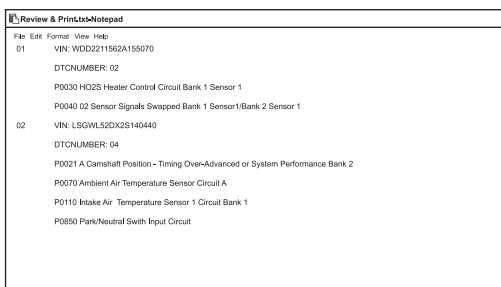
3.9 Review&Print diagnostic reports

1. Download upgrade file from ANCEL website.
2. The device is connected with computer through USB cable.
3. Open the "update" application.



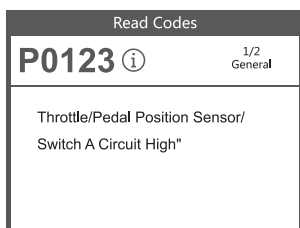
4. Click "Review&Print" and automatically generate diagnostic reports.



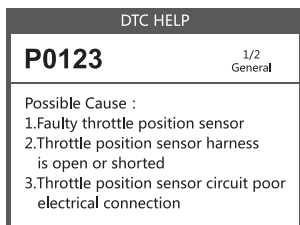


3.10 Help Function

1. When the device reads the fault codes, the screen will display the codes as shown below:



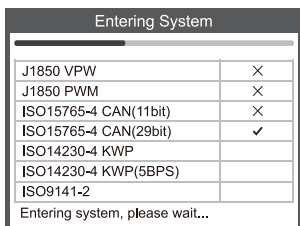
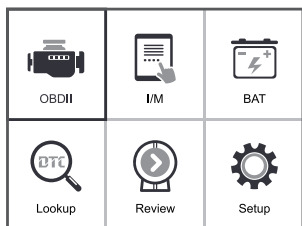
2. If users view the help icon picture in the menu, please press the help function key , it can read more about the codes information, and why this fault code occurred. The screen will display the help information as shown below:



4. OBD II Diagnostics

CAUTION: Don't connect or disconnect any test equipment with ignition on or engine running.

- 1) Turn the ignition off.
- 2) Locate the vehicle's 16-pin Data Link Connector (DLC).
- 3) Plug the scan tool cable connector into the vehicle's DLC.
- 4) Turn the ignition on. Engine can be off or running.
- 5) Press OK to enter Main Menu . UP /DOWN button to select Diagnostics from the menu.



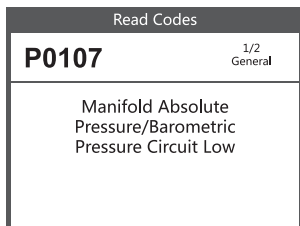
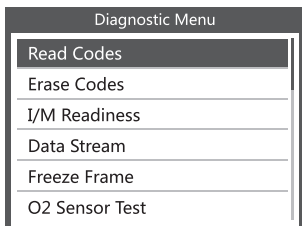
- 6) Press OK to confirm.

If "LINKING ERROR!" message shows on the display.

- Verify that the ignition is ON;
- Check if the scan tool's OBD II connector is securely connected to the vehicle's DLC;
- Turn the ignition 'off' and wait for about 10 seconds. Turn the ignition back to 'on' and repeat the procedure from step 5.

4.1 Read Codes

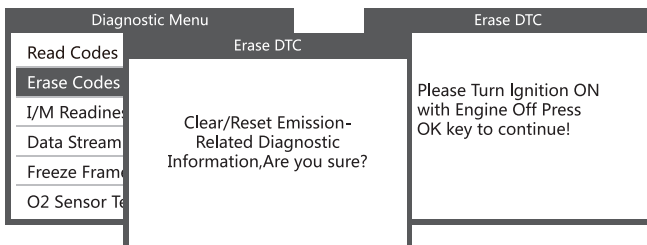
- 1) Select Read Codes and press OK in Diagnostic Menu. If there are some codes, the screen will display the codes as shown below:



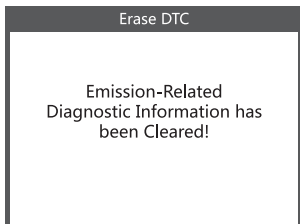
2) After viewing all the codes, you can press ESC to return to the previous menu.

4.2 Erase Codes

1) Select Erase Codes, the screen will display the interface as shown below. Press OK to erase DTC's, and the screen will display the interface as shown below:



2) According to the above figure to press OK and the screen will display the interface as shown on the next page:

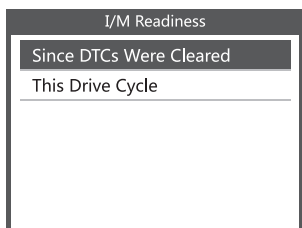
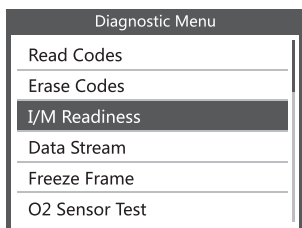


Notes:

- Before performing this function, make sure to retrieve and record the trouble codes.
- 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 codes using a factory diagnosis guide, then clear the codes and recheck.

4.3 I/M Readiness

Select I/M Readiness and press OK , the screen will display the interface as shown below:



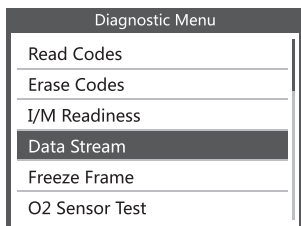
I/M readiness is to test Misfire / Fuel system / Comprehensive component, You can use UP or DOWN button to select and press OK , shown as follow :

I/M Readiness	
Misfire monitor	N/A
Fuel system monitor	N/A
Comprehensive component monitor	OK
Catalyst monitor	N/A
Heated catalyst monitor	N/A
Evaporative system monitor	N/A
Secondary air system monitor	N/A
Oxygen sensor monitor	INC
Oxygen sensor heater monitor	INC
EGR and/or VVT syetem monitor	INC

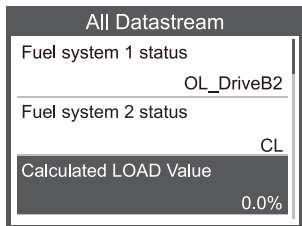
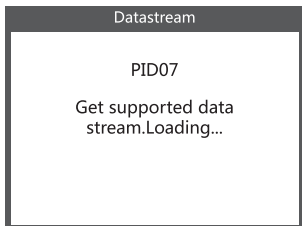
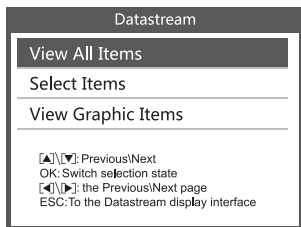
N/A means not available on this vehicle, INC means incomplete or not ready, OK means Completed or Monitor Ok.

4.4 Data Stream

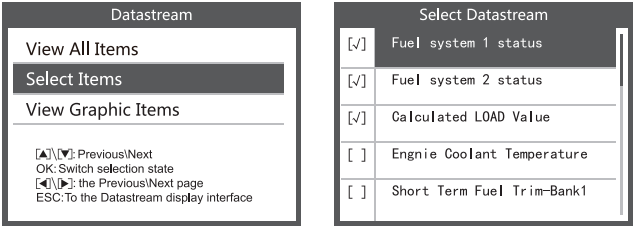
Press UP or DOWN button to select Data Stream in Main Menu interface and then press OK button to confirm, the screen will display the interface as shown below:



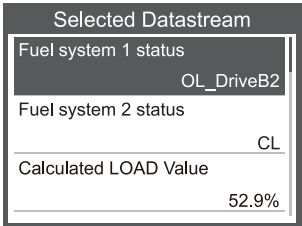
Select [View All Items] and press OK button, the screen will display the interface as shown below:



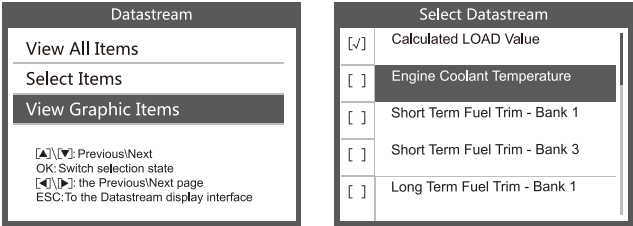
Choose [Select Items] and press OK button. After that, press OK button again, shown as follow:



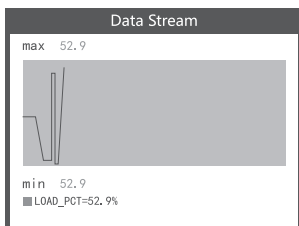
After selected items and press ESC, the screen will display as follow:



Press OK to select [View Graphic Items] in Data stream menu, after selected items, the screen will display the interface as shown below:



Press ESC to return to display :



Max lines is 3.

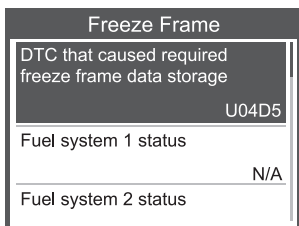
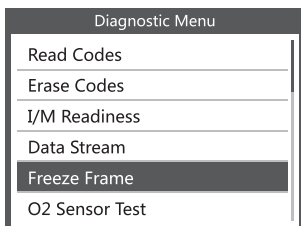
Press ESC to return to previous menu.

4.5 View Freeze Frame

When an emission-related fault occurs, a snapshot of current vehicle parameter are recorded by the ECU.

Note: if DTCs were erased, Freeze Data may not be stored in vehicle.

Select Freeze Frame in main menu interface, the screen will display the interface as shown below:



You can use UP/ DOWN button to view the data. Press ESC to return to Diagnostic Menu.

4.6 O2 sensor test

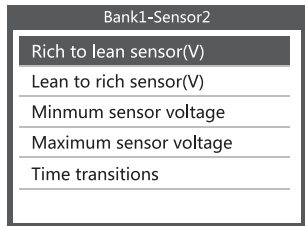
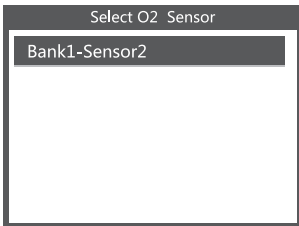
OBD II regulations set by the SAE require that relevant vehicles monitor and test the oxygen (O2) sensors to identify problems related to fuel efficiency and vehicle emissions. These tests are not on-demand tests and they are done automatically when engine operating conditions are within specified limits. These test results are saved in the on-board computer's memory.

The O2 Sensor Test function allows retrieval and viewing of O2 sensor monitor test results for the most recently performed tests from the vehicle's on-board computer.

The O2 Sensor Test function is not supported by vehicles which communicate using a controller area network (CAN). For O2 Sensor Test results of CAN-equipped vehicles, see chapter "On-Board Mon. Test".

Select O2 Sensor Test in Diagnostic menu and press OK and the Screen will display as shown below.

Press OK button, the screen will display as shown below (Data will be different everytime) :



4.7 On-board monitor test

This function can be utilized to read the results of on-board diagnostic monitoring . Tests for specific components/systems.

Select On-board Monitoring in Diagnostic Menu and press OK and the screen will display as shown below (Data will be different everytime):

Diagnostic Menu	
On-Board Monitoring	
Test or Component	
Vehicle Information	

On-Board Monitoring	
Test \$02 Data	
Test \$03 Data	
Test \$05 Data	
Test \$08 Data	
Test \$0B Data	

You can use UP or DOWN button to select an item and press OK , the screen will display as shown below (Data will be different everytime):

On-Board Monitoring	
Compnent ID	\$5e
Limit Type	Max
Test Value	33733
Minimum Limit	-----
Status	Pass

Press ESC to return to Diagnostic Menu.

4.8 Test or Component (Evap System Test)

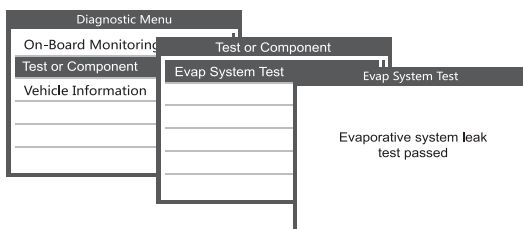
The OBD2 system monitors the fuel system for fuel vapor leakage to ensure that no hydrocarbons (HC) leak into the atmosphere. EVAP monitor does two things:

1. Ensure that the gasoline vapor is sent to the intake pipe at the right time, and mixed with the air to enter the engine for combustion.
2. Prevent fuel vapor in the fuel pipe from leaking into the atmosphere and polluting the environment.

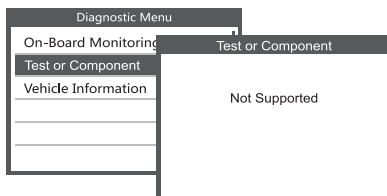
[Evap SystemTest] function:

The external diagnostic device can't control the fuel evaporation control (EVAP) of the OBD system, and the diagnostic device only displays its status and test results.

If the car supports this function, it will display as below:

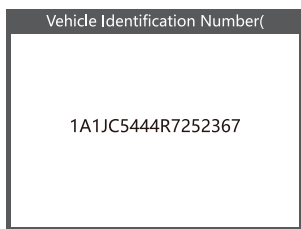
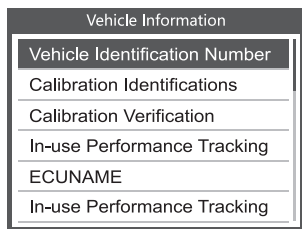
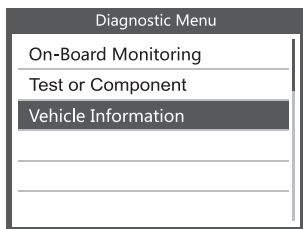


If the car not supported the function ,it will display as below:



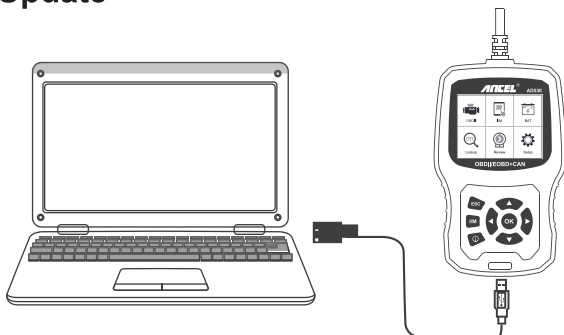
4.9 Vehicle Information

Select [Vehicle Information] and press OK. The screen displays information such as (Vehicle Identification number), (Calibration Identifications), and (Calibration Verification), as shown below (different data will be displayed for different vehicles):



Press ESC to return to Diagnostic Menu.

5. Update



- 1) Download the update software and unzip the file.
- 2) Connect the device to the computer via USB cable.
- 3) The update software is only supported by 7/8/10/11. In Windows 7, you need to install the driver, in Windows 8/10/11, you can run the update software directly.

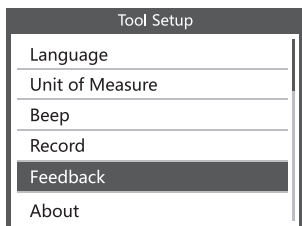
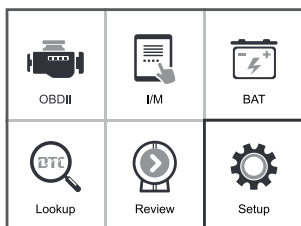
Note:

The update software is only supported by windows 7/8/10/11, but not supported by windows XP and macOS. If you do not understand the upgrade steps in the instructions, please contact us.

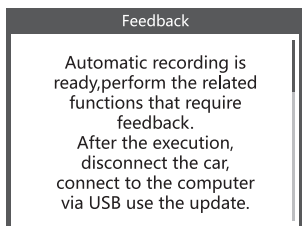
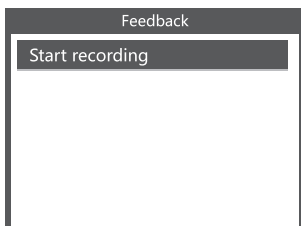
6. Feedback

1. When the [OBDII] function shows connected error with vehicle, please using the feedback function.

Choose [Feedback] and it displays as follow:



Choose [Start recording] to open record function and it displays as follow:



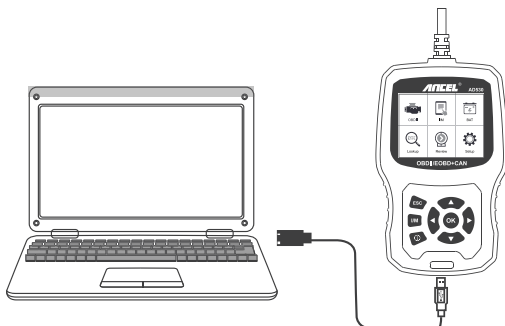
Next : Press ESC Button and return to the main menu.

Choose [OBDII] menu to detecting again and it will record the data.

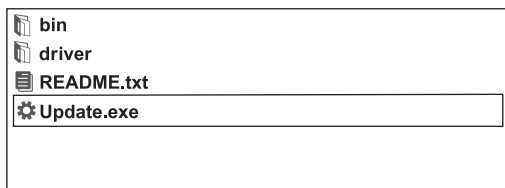
2. Transfer data to your computer and generate feedback file.

Download upgrade file on the computer from ANCEL website.

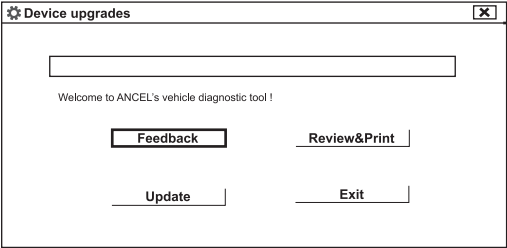
The device is connected with computer through USB cable.



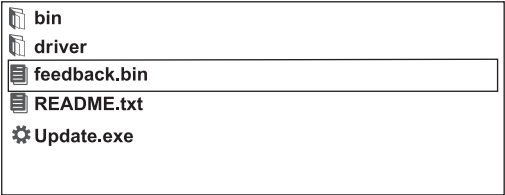
Choose "Update" file and it displays as follow:



Click “Feedback” and it displays as follow:



Please send the feedback.bin file to support@anceltech.com.

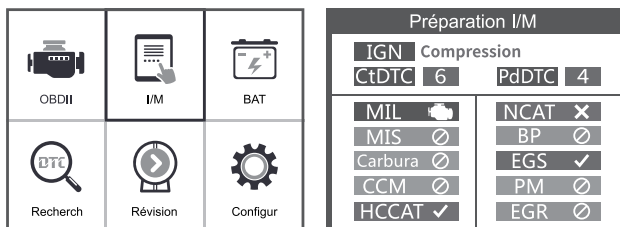


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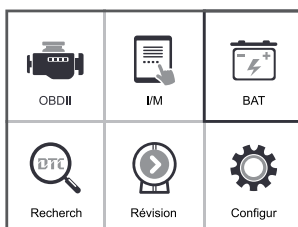
1. I / M

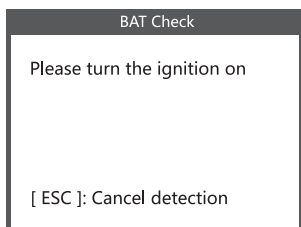
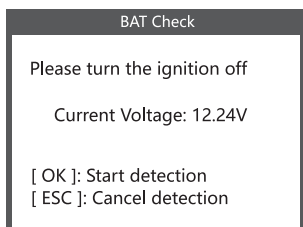
Un instantané des opérations des systèmes d'émission pour tous les véhicules OBD II - c'est-à-dire un moniteur de ratés d'incendie, un moniteur de systèmes d'évacuation et plus encore. Choisissez [I / M] et il s'affiche comme suit:



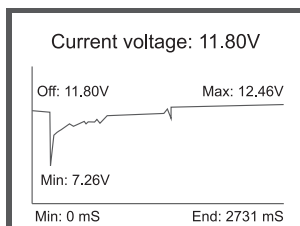
1.1 Contrôle BAT

La fonction est utilisée pour lire la tension de la batterie en temps réel. De la main Menu, utilisez le bouton de défilement LEAF / DROIT pour sélectionner le menu BAT et appuyez sur le bouton OK. L'écran affichera l'interface comme indiqué ci-dessous:





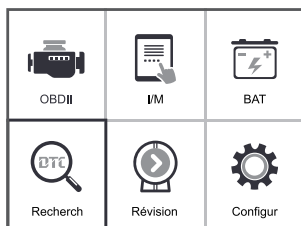
Lorsque vous appuyez sur le bouton [OK] et démarrez la détection, son interface d'affichage:



1.2 Recherche DTC

La fonction de recherche de DTC est utilisée pour rechercher des définitions de code stockés dans la bibliothèque de codes intégrée.

- 1) Depuis le menu principal, utilisez le bouton de défilement GAUCHE / BAS pour sélectionner la recherche de code et appuyez sur la touche OK .



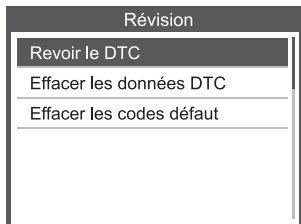
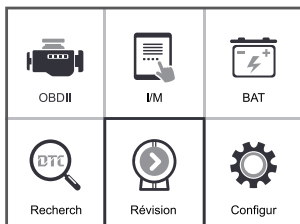
Pour les codes spécifiques du fabricant, vous devez sélectionner une marque de véhicule. sur un écran supplémentaire pour rechercher les définitions de DTC.

Si la définition n'a pas pu être trouvée (spécifique au fabricant ou au SAE), le outil d'analyse affiche "définition du DTC non trouvée! Veuillez vous reporter au véhicule service manuel !"

2) Pour quitter le menu principal, appuyez sur le bouton ESC.

1.3 Révision

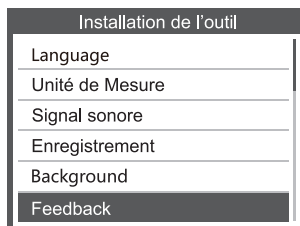
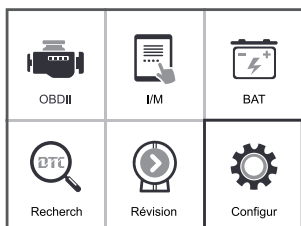
Cette fonction permet d'examiner le DTC enregistré. Sélectionnez Review dans le Menu principal et appuyez sur Entrée. L'écran suivant apparaît:



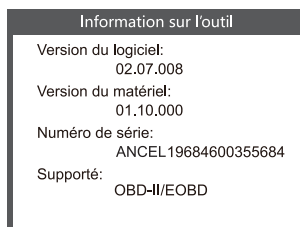
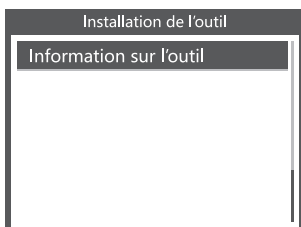
1.4 Configuration de l'outil

L'outil d'analyse vous permet d'effectuer les ajustements suivants. réglages:

- 1) Langage: Sélectionne la langue souhaitée.
- 2) Unité de mesure: Définissez la mesure en anglais ou en métrique.
- 3) Signal sonore: Active / désactive le bip.
- 4) Enregistrement: ON / OFF l'enregistrement.
- 5) Background.
- 6) Feedback.
- 7) Information sur l'outil: Informations sur le produit.

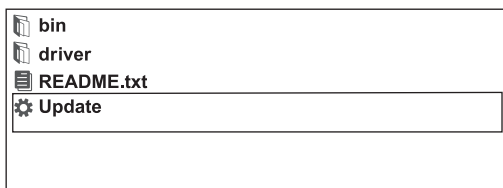


Choisissez [Information sur l'outil] et il s'affiche comme suit:

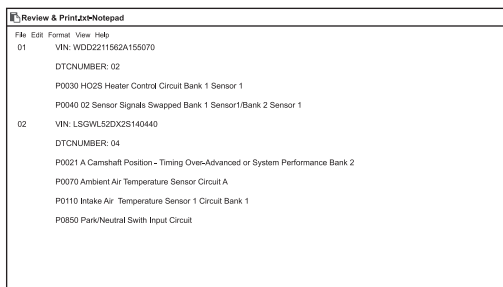
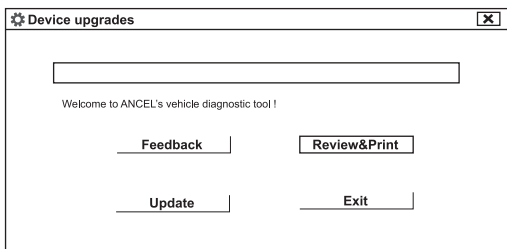


1.5 Examiner et imprimer les rapports de diagnostic

1. Téléchargez le fichier de mise à niveau à partir du site Web ANCEL .
2. Le périphérique est connecté à l'ordinateur via un câble USB.
3. Ouvrez l'application «update».

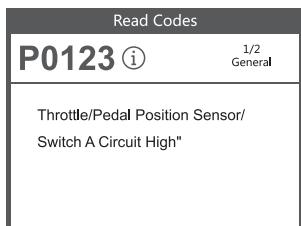


4. Cliquez sur «Examiner et imprimer» et générez automatiquement des rapports de diagnostic.

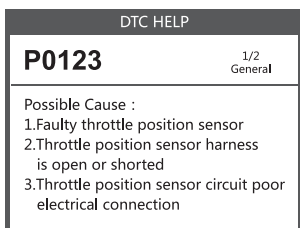


1.6 Fonction d'aide ⓘ

1. Lorsque l'appareil lit les codes d'erreur, l'écran affiche le message codes comme indiqué ci-dessous:



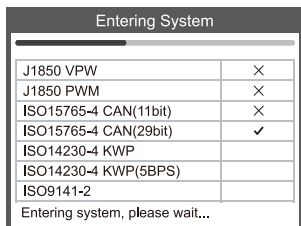
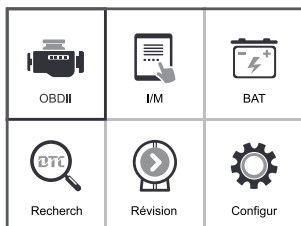
2.Si les utilisateurs affichent l'icône d'aide dans le menu, appuyez sur la touche de fonction d'aide pour en savoir plus sur les informations relatives aux codes et sur les causes de ces codes d'erreur. l'écran affichera les informations d'aide comme indiqué ci-dessous:



2. Diagnostics OBD II

ATTENTION: Ne connectez ou déconnectez aucun équipement de test avec allumage ou moteur en marche.

- 1) Coupez le contact.
- 2) Localisez le connecteur de liaison de données (DLC) à 16 broches du véhicule.
- 3) Branchez le connecteur du câble du scanner dans le DLC du véhicule.
- 4) Mettez le contact. Le moteur peut être éteint ou en marche.
- 5) Appuyez sur OK pour accéder au menu principal. Bouton HAUT / BAS pour sélectionner Diagnostics du menu.



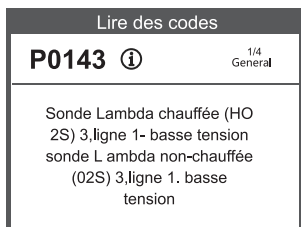
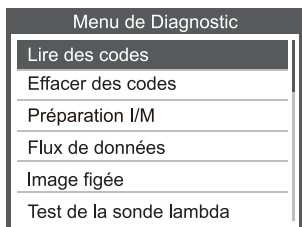
- 6) Appuyez sur OK pour confirmer.

Si "LINKING ERROR!" le message s'affiche à l'écran.

- Vérifiez que le contact est allumé;
- Vérifiez si le connecteur OBD II de l'outil d'analyse est correctement branché sur le DLC du véhicule;
- Coupez le contact et attendez environ 10 secondes. Tournez le rallumez à nouveau et répétez la procédure à partir de l'étape 5.

2.1 Lire les codes

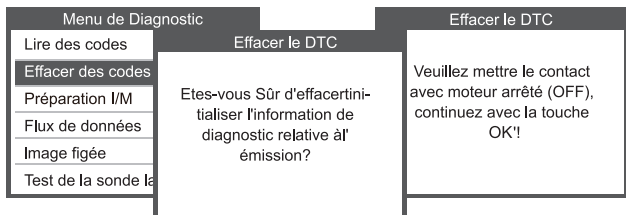
1) Sélectionnez Lire les codes et appuyez sur OK dans le menu de diagnostic. S'il y a quelques codes, l'écran affichera les codes comme indiqué ci-dessous:



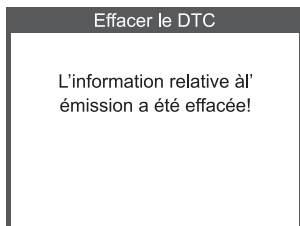
2) Après avoir visualisé tous les codes, vous pouvez appuyer sur ESC pour revenir au menu principal. menu précédent.

2.2 Effacer les codes

1) Sélectionnez Effacer les codes, l'écran affichera l'interface comme indiqué au dessous de. Appuyez sur OK pour effacer les DTC, et l'écran affichera le interface comme indiqué ci-dessous:



2) Selon la figure ci-dessus, appuyez sur OK pour que l'écran affiche l'interface comme indiqué à la page suivante:

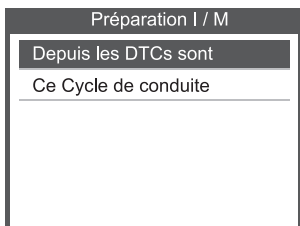
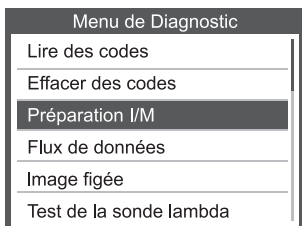


Remarques:

- Avant d'exécuter cette fonction, assurez-vous de récupérer et d'enregistrer le codes de panne.
- Après avoir effacé, vous devriez récupérer les codes de problème une fois de plus ou tourner allumer et récupérer à nouveau les codes. S'il y a encore des problèmes codes dans le système, veuillez corriger les codes en utilisant une usine guide de diagnostic, puis effacer les codes et révérier.

2.3 État de préparation I / M

Sélectionnez I / M Readiness et appuyez sur OK , l'écran affiche le interface comme indiqué ci-dessous:



L'état de préparation I / M consiste à tester les ratés / le système d'alimentation / complet composant, vous pouvez utiliser les boutons HAUT ou BAS pour sélectionner et appuyer sur OK , comme suit:

Préparation I / M	
Surveillance des ratés d'allumage	N/A
Fuel SYStem monitor	N/A
Surveillance du composant global	N/A
IMHC catalyst monitor	OK
NOX aftertreatment monitor	INC
Boost pressure system monitor	N/A
Exhaust gas sensor monitor	OK
PM filter monitor	M/A
EGR and/or VVT system monitor	M/A

N / A signifie non disponible sur ce véhicule, INC signifie incomplet ou non Prêt, OK signifie Terminé ou Surveiller OK.

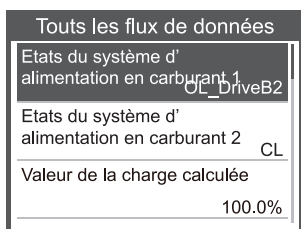
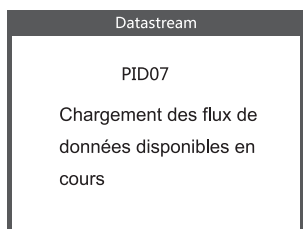
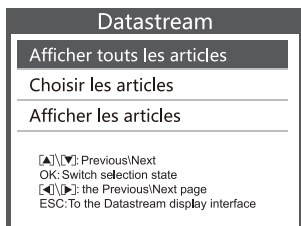
2.4 Flux de données

Appuyez sur les boutons UP ou DOWN pour sélectionner le flux de données dans le menu principal.

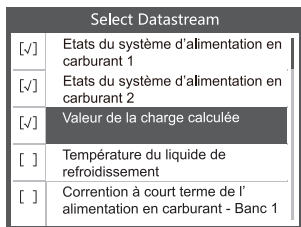
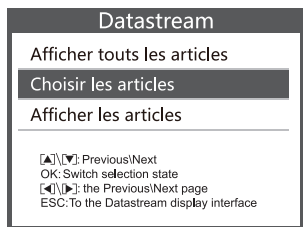
l'interface, puis appuyez sur le bouton OK pour confirmer, l'écran affichera l'interface comme indiqué ci-dessous:

Menu de Diagnostic	
Lire des codes	
Effacer des codes	
Préparation I/M	
Flux de données	
Image figée	
Test de la sonde lambda	

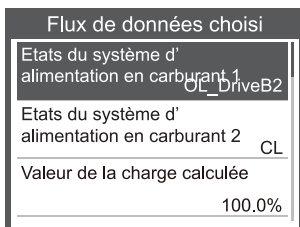
Sélectionnez [Afficher tous les articles] et appuyez sur le bouton OK .
afficher l'interface comme indiqué ci-dessous:



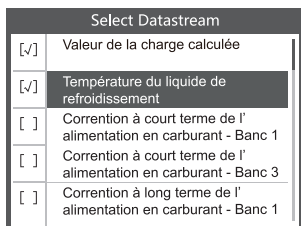
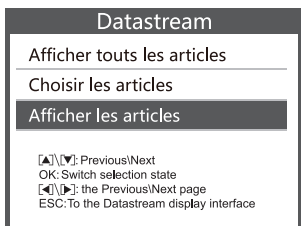
Choisissez [choisir les articles] et appuyez sur le bouton enter. Après cela, appuyez sur Entrée bouton à nouveau, comme suit:



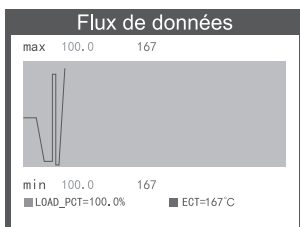
Après avoir sélectionné les éléments et appuyé sur Quitter, l'écran s'affiche comme suit:



Appuyez sur OK pour sélectionner [Afficher les articles] dans le menu Flux de données. après sélection des éléments, l'écran affichera l'interface comme indiqué au dessous de:



Appuyez sur ESC pour revenir à l'affichage:



Max lignes est 3.

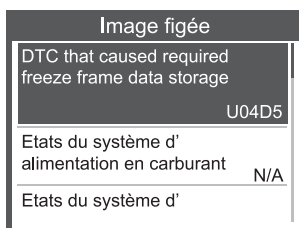
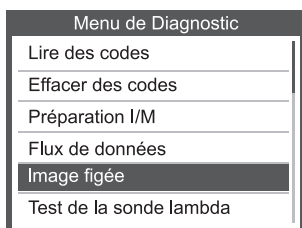
Appuyez sur ESC pour revenir au menu précédent.

2.5 View Freeze Frame

Lorsqu'un défaut lié aux émissions se produit, un instantané du véhicule actuel Les paramètres sont enregistrés par l'ECU.

Remarque: si les codes d'anomalie ont été effacés, les données gelées ne peuvent pas être stockées dans le véhicule.

Sélectionnez Freeze Frame dans l'interface du menu principal, l'écran affichera l'interface suivante:



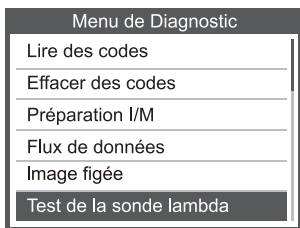
Vous pouvez utiliser les boutons UP / DOWN pour afficher les données. Appuyez sur ESC pour revenir au menu de diagnostic.

2.6 test du capteur d'O2

Les réglementations OBD II définies par la SAE exigent que les véhicules concernés surveiller et tester les capteurs d'oxygène (O2) pour identifier les problèmes liés à l'efficacité énergétique et aux émissions des véhicules. Ces tests ne sont pas des tests à la demande et sont effectués automatiquement lorsque le moteur fonctionne les conditions sont dans les limites spécifiées. Ces résultats de test sont enregistrés dans la mémoire de l'ordinateur de bord.

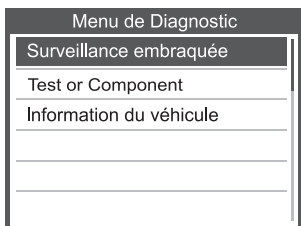
La fonction de test de capteur O2 permet de récupérer et de visualiser le capteur O2 surveiller les résultats des derniers tests effectués à partir du l'ordinateur de bord du véhicule.

La fonction de test de sonde O2 n'est pas prise en charge par les véhicules communiquer en utilisant un réseau de contrôleur (CAN). Pour capteur O2 Résultats des tests des véhicules équipés CAN, voir chapitre "Moniteur intégré". Tester".



2.7 Test du moniteur embarqué

Cette fonction peut être utilisée pour lire les résultats de diagnostics intégrés surveillance . Tests pour des composants / systèmes spécifiques.



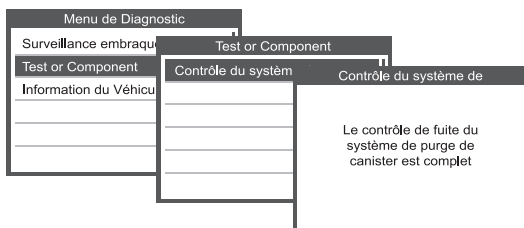
2.8 Test du système EVAP

Le système OBD2 surveille le système de carburant pour les fuites de vapeur de carburant pour s'assurer qu'aucune fuite d'hydrocarbures (HC) dans l'atmosphère. Le moniteur EVAP fait deux choses :

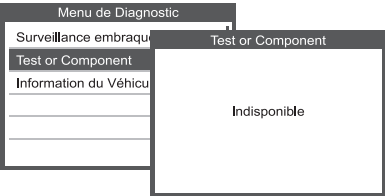
1. Assurez-vous que la vapeur d'essence est envoyée au tuyau d'admission au bon moment, et mélangée avec l'air pour entrer dans le moteur pour la combustion.
2. Empêcher la vapeur de carburant dans le tuyau de carburant de fuir dans l'atmosphère et de polluer l'environnement fonction [Evap SystemTest] :

Le dispositif de diagnostic externe ne peut pas contrôler le contrôle de l'évaporation de carburant (EVAP) du système OBD, et l'appareil de diagnostic n'affiche que son état et les résultats des tests.

Si la voiture prend en charge cette fonction, elle s'affichera comme ci-dessous :

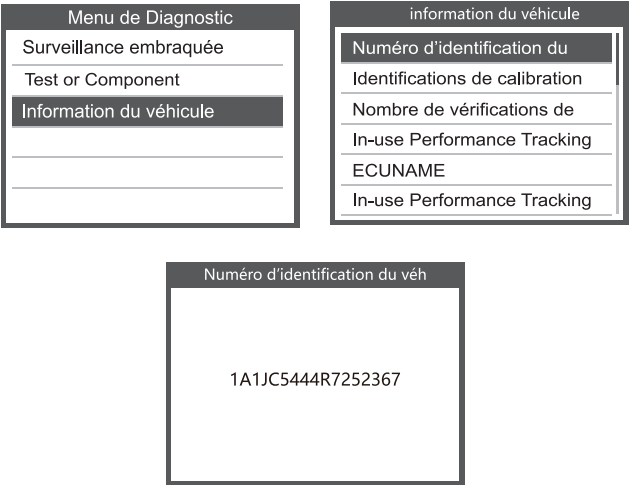


Si la voiture ne prend pas en charge la fonction, elle s'affichera comme ci-dessous:



2.9 Information du Véhicule

Sélectionnez [informations sur le véhicule] et appuyez sur OK. L'écran affiche des informations telles que (numéro d'identification du véhicule), (Identifications de calibration) et (Nombre de Vérifications de l'étalonnage) comme suit (différentes voitures seront affichées données différentes):

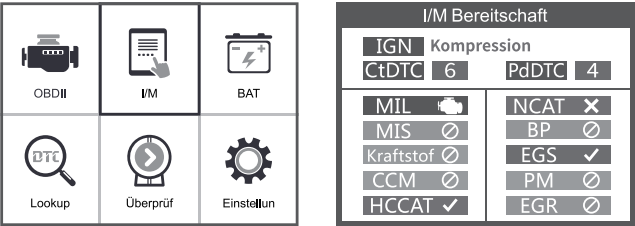


Appuyez sur ESC pour revenir au menu de diagnostic.

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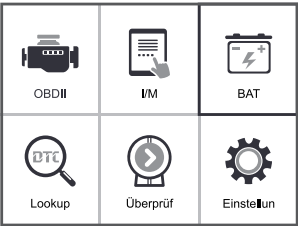


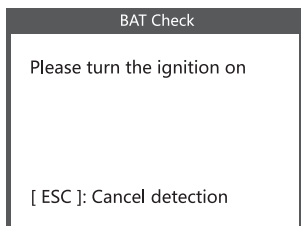
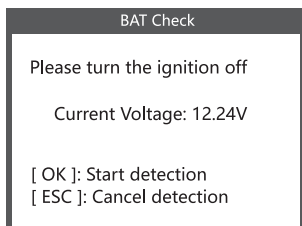
Die Funktion dient zum Ablesen der Batteriespannung in Echtzeit.
Verwenden Sie im Hauptmenü die Navigationstaste BLATT / RECHTS, um das Menü BAT auszuwählen, und drücken Sie die Taste OK . Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:



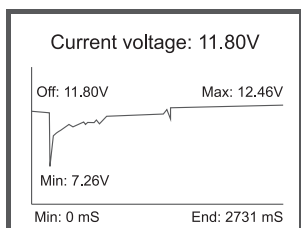
1.1 BAT-Check

Die Funktion dient zum Ablesen der Batteriespannung in Echtzeit.
Verwenden Sie im Hauptmenü die Navigationstaste BLATT / RECHTS, um das Menü BAT auszuwählen, und drücken Sie die Taste OK . Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:





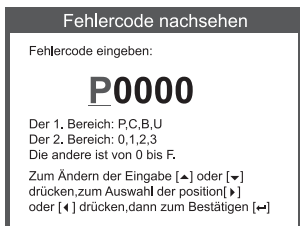
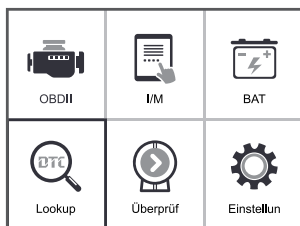
Wenn Sie die [OK] -Taste drücken und die Erkennung starten, wird Folgendes angezeigt:



1.2 DTC-Suche

Die DTC-Suchfunktion wird zum Suchen nach Codedefinitionen verwendet in der eingebauten Codebibliothek gespeichert.

- 1) Wählen Sie im Hauptmenü mit der Navigationstaste LINKS / RUNTER die Codesuche aus und drücken Sie die OK -Taste.



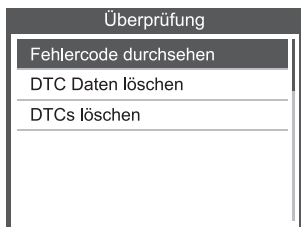
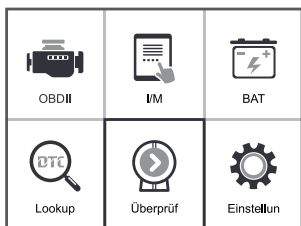
Für herstellerspezifische Codes müssen Sie auf einem zusätzlichen Bildschirm eine Fahrzeugmarke auswählen, um nach DTC-Definitionen zu suchen.

Wenn die Definition nicht gefunden werden konnte (SAE oder hersteller-spezifisch), wird die Diagnose-Tester zeigt "DTC-Definition nicht gefunden! Bitte Fahrzeug-Service" Handbuch beachten! "

2) Um zum Hauptmenü zurückzukehren, drücken Sie die ESC-Taste.

1.3 Überprüfung

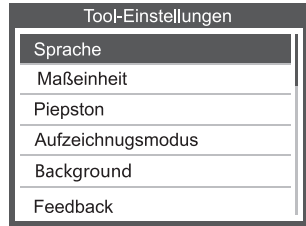
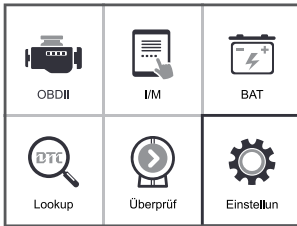
Diese Funktion wird verwendet, um den aufgezeichneten DTC zu überprüfen. Wählen Sie im Hauptmenü die Option "Überprüfen" und drücken Sie die Eingabetaste. Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:



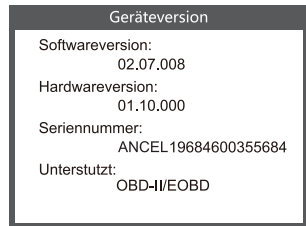
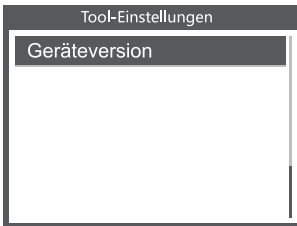
1.4 Werkzeugeinrichtung

Mit dem Diagnose-Tester können Sie die folgenden Einstellungen vornehmen und die Einstellungen:

- 1) Sprache: Wählt die gewünschte Sprache aus.
- 2) Maßeinheit: Stellen Sie das Maß auf English oder Metrisch ein.
- 3) Piepston: Schaltet den Beep ein / aus.
- 4) Aufzeichnungsmodus: Aufnahme ein- / ausschalten.
- 5) Background.
- 6) Feedback.
- 7) Geräteversion: Produktinformationen.

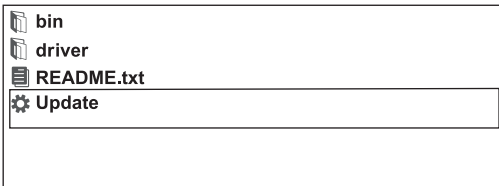


Wählen Sie [Geräteversion] und es wird wie folgt angezeigt:

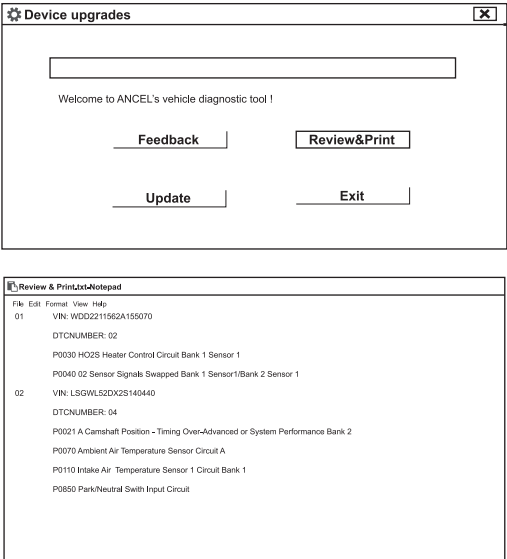


1.5 Überprüfen und Drucken von Diagnoseberichten

1. Laden Sie die Upgrade-Datei von der ANCEL-Website herunter.
2. Das Gerät ist über ein USB-Kabel mit dem Computer verbunden.
3. Öffnen Sie die Anwendung "Update".

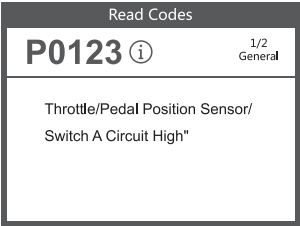


4. Klicken Sie auf "Überprüfen & Drucken" und erstellen Sie automatisch Diagnoseberichte.

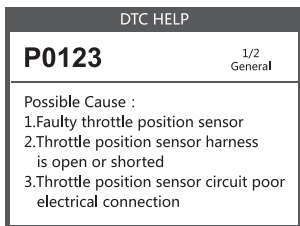


1.6 Hilfefunktion

1. Wenn das Gerät die Fehlercodes liest, wird auf dem Bildschirm die Meldung angezeigt Codes wie unten gezeigt:



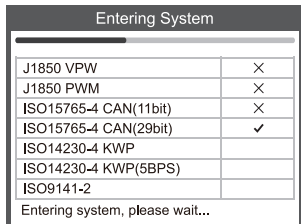
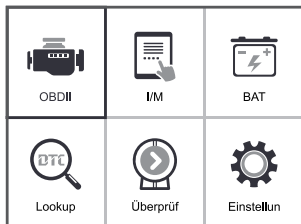
2. Wenn Benutzer das Hilfesymbol im Menü anzeigen, drücken Sie bitte die Hilfefunktionstaste, um mehr über die Codeinformationen und den Grund für diese Fehlercodes zu erfahren. Auf dem Bildschirm werden die folgenden Hilfeinformationen angezeigt:



2. OBD II-Diagnose

VORSICHT: Schließen Sie keine Testgeräte an Zündung ein oder Motor läuft.

- 1) Schalten Sie die Zündung aus.
- 2) Suchen Sie den 16-poligen Data Link Connector (DLC) des Fahrzeugs.
- 3) Stecken Sie den Stecker des Diagnose-Tester-Kabels in den DLC des Fahrzeugs.
- 4) Zündung einschalten. Der Motor kann ausgeschaltet sein oder laufen.
- 5) Drücken Sie OK , um das Hauptmenü aufzurufen. UP / DOWN-Taste zur Auswahl Diagnose aus dem Menü.



- 6) Bestätigen Sie mit OK .

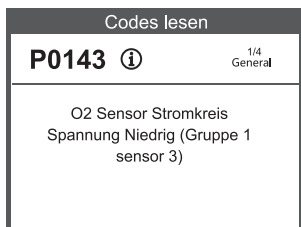
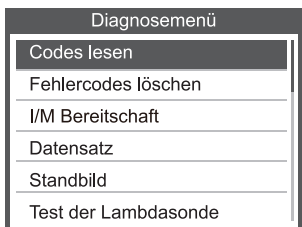
Wenn "LINKING ERROR!" Meldung erscheint auf dem Display.

- Vergewissern Sie sich, dass die Zündung eingeschaltet ist.
- Überprüfen Sie, ob der OBD II-Stecker des Diagnose-Testgeräts fest angeschlossen ist der DLC des Fahrzeugs;
- Schalten Sie die Zündung aus und warten Sie ca. 10 Sekunden. Drehe die Die Zündung wieder einschalten und den Vorgang ab Schritt 5 wiederholen.

2.1 Codes lesen

1) Wählen Sie Codes lesen und drücken Sie OK im Diagnosemenü.

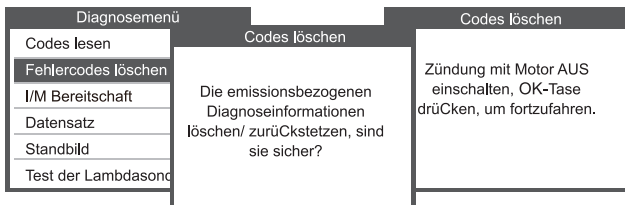
Wenn einige Codes vorhanden sind, werden auf dem Bildschirm die folgenden Codes angezeigt:



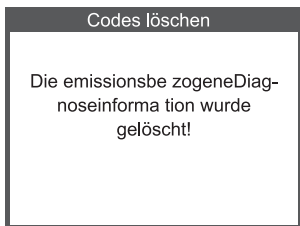
2) Nachdem Sie alle Codes angezeigt haben, können Sie ESC drücken, um zum Menü zurückzukehren vorheriges Menü.

2.2 Codes löschen

1) Wählen Sie Erase Codes (Codes löschen). Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt. Drücken Sie die EINGABETASTE, um die DTCs zu löschen. Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:



2) Nach der obigen Abbildung drücken Sie OK und der Bildschirm zeigt die auf der nächsten Seite gezeigte Oberfläche an:

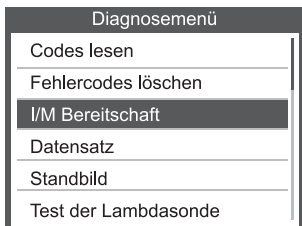


Anmerkungen:

- Stellen Sie vor dem Ausführen dieser Funktion sicher, dass Sie die Fehlercodes abrufen und aufzeichnen.
- Nach dem Löschen sollten Sie die Fehlercodes erneut abrufen oder wenden Zündung ein und Codes wieder abrufen. Wenn es noch Ärger gibt Codes im System. Beheben Sie die Fehler in den Codes mithilfe einer werkseitigen Diagnoseanleitung. Löschen Sie dann die Codes und überprüfen Sie sie erneut.

2.3 I / M-Bereitschaft

Wählen Sie I / M Readiness und drücken Sie OK . Auf dem Bildschirm wird angezeigt Schnittstelle wie unten gezeigt:



I / M-Bereitschaft ist es, Fehlzündungen / Kraftstoffsystem / Umfassende zu testen Komponente können Sie mit den Tasten AUF und AB auswählen und drücken OK , wie folgt dargestellt:

I/M Bereitschaft	
Überwachung I Fehlzünduns	N/A
Überwachung Kraf tstoffversorgung	N/A
Überwachung Bauteile	N/A
Überwachung NMHC- Katalysator	In Ordnu
Überwachung NOxNachbehandlung	INC
ÜberwachungLadedrucksystem	N/A
Überwachung Absassensor	In Ordnu
Überwachung PM-Filter	N/A
Überwachung AGR , und/oderVVT	N/A

N / A bedeutet für dieses Fahrzeug nicht verfügbar, INC bedeutet unvollständig oder nicht bereit, OK bedeutet abgeschlossen oder Monitor OK.

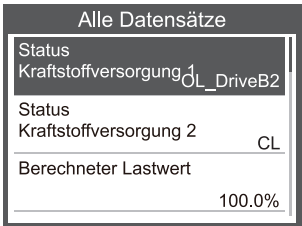
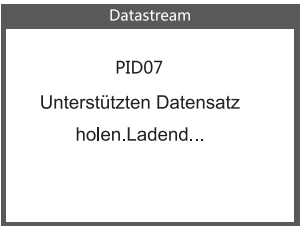
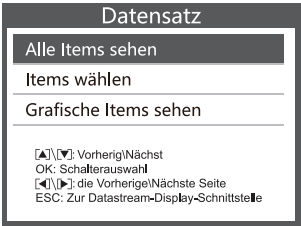
2.4 Datenstrom

Drücken Sie die UP- oder DOWN-Taste, um Datenstrom im Hauptmenü auszuwählen.

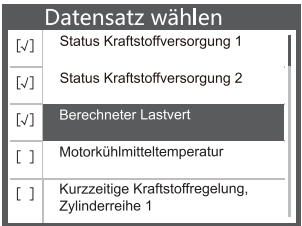
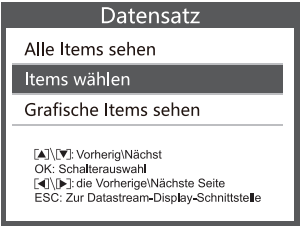
Drücken Sie die OK -Taste, um zu bestätigen, dass der Bildschirm angezeigt wird Zeigen Sie die Benutzeroberfläche wie folgt an:

Diagnosemenü	
Codes lesen	
Fehlercodes löschen	
I/M Bereitschaft	
Datensatz	
Standbild	
Test der Lambdasonde	

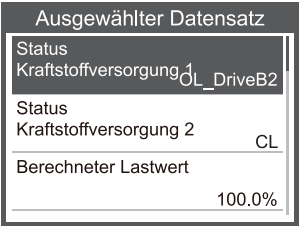
Wählen Sie [Alle Items sehen] und drücken Sie die OK -Taste. Der Bildschirm wird angezeigt Zeigen Sie die Benutzeroberfläche wie folgt an:



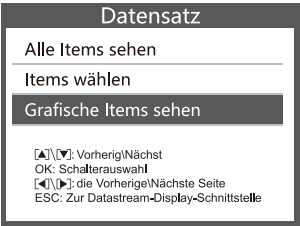
Wählen Sie [Items wählen] und drücken Sie die Eingabetaste.
Drücken Sie danach erneut die Eingabetaste, wie folgt:



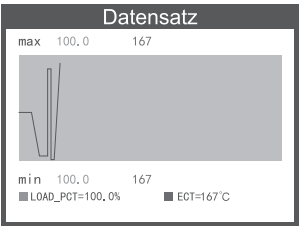
Nach Auswahl der Elemente und Drücken von Beenden wird der Bildschirm wie folgt angezeigt:



Drücken Sie die EINGABETASTE, um [Grafische Items sehen] im Menü Datenstrom auszuwählen.
Nach den ausgewählten Elementen wird auf dem Bildschirm die abgebildete Benutzeroberfläche angezeigt unten:



Drücken Sie ESC, um zur Anzeige zurückzukehren:



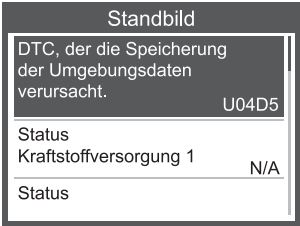
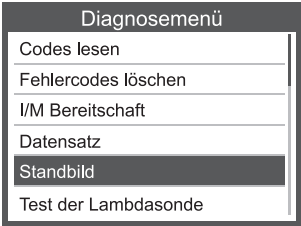
Max Zeilen ist 3.
Drücken Sie ESC, um zum vorherigen Menü zurückzukehren.

2.5 Freeze Frame anzeigen

Wenn ein emissionsbezogener Fehler auftritt, wird eine Momentaufnahme der aktuellen Fahrzeugparameter von der ECU aufgezeichnet.

Hinweis: Wenn die DTCs gelöscht wurden, werden möglicherweise keine Einfrierdaten im Fahrzeug gespeichert.

Wählen Sie im Hauptmenü die Option „Standbild“. Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:



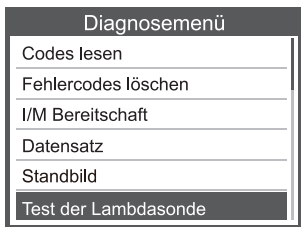
Mit den Tasten AUF / AB können Sie die Daten anzeigen. Drücken Sie BEENDEN, um zum Diagnosemenü zurückzukehren.

2.6 O2-Sensortest

Die von der SAE festgelegten OBD II-Vorschriften verlangen, dass die entsprechenden Fahrzeuge überwachen und testen Sie die Sauerstoffsensoren (O2), um Probleme im Zusammenhang mit der Kraftstoffeffizienz und den Fahrzeugemissionen zu erkennen.

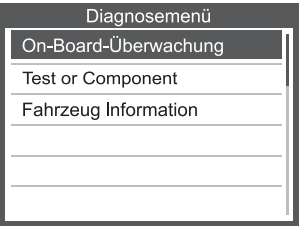
Diese Tests sind nicht auf Anfrage Tests und sie werden automatisch bei laufendem Motor durchgeführt. Die Bedingungen liegen innerhalb der angegebenen Grenzen. Diese Testergebnisse werden im Speicher des Bordcomputers gespeichert. Mit der Funktion O2-Sensortest können die Testergebnisse des O2-Sensormonitors für die zuletzt vom Bordcomputer des Fahrzeugs durchgeführten Tests abgerufen und angezeigt werden.

Die Funktion O2-Sensortest wird von Fahrzeugen mit nicht unterstützter Kommunikation über ein Controller Area Network (CAN). Informationen zu den Testergebnissen für O2-Sensoren von mit CAN ausgestatteten Fahrzeugen finden Sie im Kapitel "On-Board-Mon.Test".



2.7 Bordmonitortest

Mit dieser Funktion können die Ergebnisse der On-Board-Diagnoseüberwachung ausgelesen werden. Tests für bestimmte Komponenten / Systeme.



2.8 Test or Component

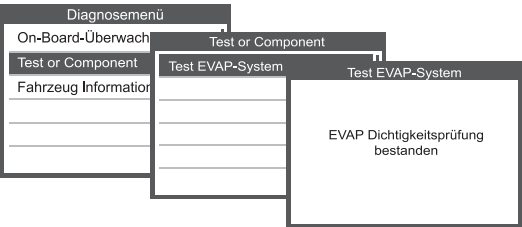
Das OBD2-System überwacht das Kraftstoffsystem auf Kraftstoffdampflecks, um sicherzustellen, dass keine Kohlenwasserstoffe (HC) in die Atmosphäre austreten. Der EVAP-Monitor macht zwei Dinge:

1. Stellen Sie sicher, dass der Benzindampf zum richtigen Zeitpunkt in das Ansaugrohr geleitet und mit der Luft gemischt wird, um zur Verbrennung in den Motor einzutreten.
2. Verhindern, dass Kraftstoffdampf in der Kraftstoffleitung in die Atmosphäre austritt und die Umwelt verschmutzt [Evap SystemTest]

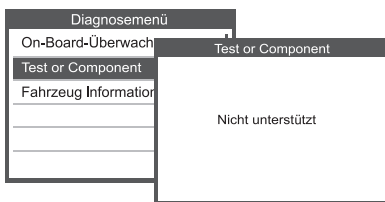
-Funktion:

Das externe Diagnosegerät kann die Kraftstoffverdampfungssteuerung nicht steuern (EVAP) des OBD Systems, und das Diagnosegerät zeigt nur seinen Status und Testergebnisse an.

Wenn das Auto diese Funktion unterstützt, wird es wie folgt angezeigt:

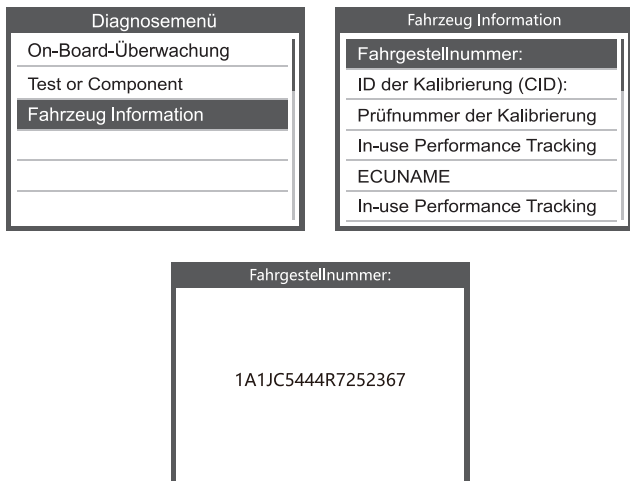


Wenn das Auto die Funktion nicht unterstützt, wird sie wie folgt angezeigt:



2.9 Fahrzeug Information

Wählen Sie [Fahrzeuginformationen] und drücken Sie OK. Der Bildschirm wird angezeigt Informationen wie (Fahrzeugidentifikationsnummer), (Kalibrierung Identifikationen) und (Kalibrierungsüberprüfung), wie unten gezeigt (Für verschiedene Fahrzeuge werden unterschiedliche Daten angezeigt):



Drücken Sie ESC, um zum Diagnosemenü zurückzukehren.

AD530 Spanish Manual



1 I / M

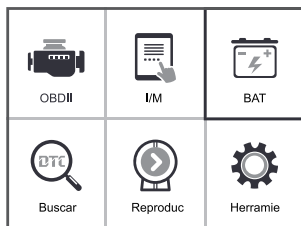
Una instantánea de las operaciones de los sistemas de emisión para todos los vehículos OBD II, es decir, el monitor de encendido incorrecto, el monitor de sistemas evap y más. Elija [I / M] y se muestra como sigue :

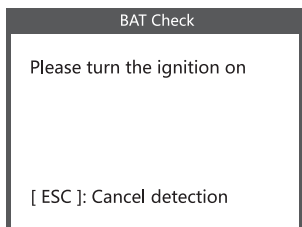
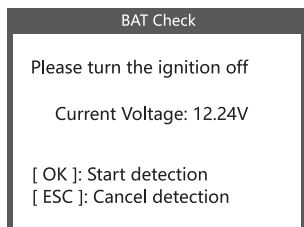


Preparación para I/M			
IGN	Compresión		
CtDTC	6	PdDTC	4
MIL		NCAT	✗
MIS	⊘	BP	⊘
FUEL	⊘	EGS	✓
CCM	⊘	PM	⊘
HCCAT	✓	EGR	⊘

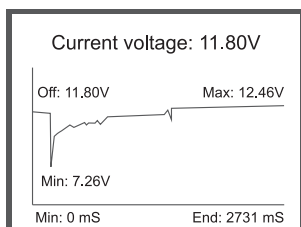
1.1 Cheque de BAT

La función se utiliza para leer el voltaje de la batería en tiempo real. Desde el principal Menú, use el botón de desplazamiento HOJA / DERECHA para seleccionar el menú BAT y presione el botón OK. La pantalla mostrará la interfaz como se muestra a continuación:





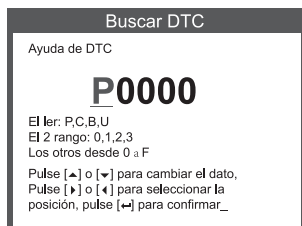
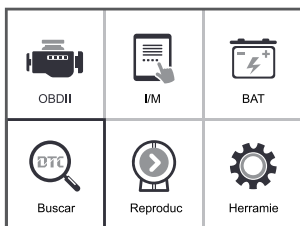
Cuando se presiona el botón [OK] y comienza la detección, se muestra la interfaz:



1.2 Búsqueda DTC

La función de búsqueda de DTC se utiliza para buscar definiciones de código almacenado en la biblioteca de códigos incorporada.

- 1) En el Menú principal, use el botón de desplazamiento IZQUIERDA / ABAJO para seleccionar el código de búsqueda y presione el botón OK .

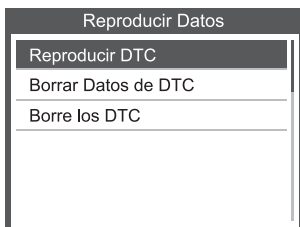
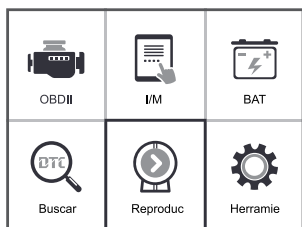


Para los códigos específicos del fabricante, deberá seleccionar una marca de vehículo en una pantalla adicional para buscar definiciones de DTC. Si no se pudo encontrar la definición (SAE o específica del fabricante), el La herramienta de escaneo muestra "¡No se encontró la definición de DTC! Por favor, consulte el vehículo manual de servicio !"

2) Para salir al Menú principal, presione el botón SALIR.

1.3 Revisión

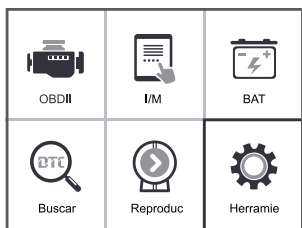
Esta función se utiliza para revisar el DTC grabado. Seleccione Revisar en el Menú principal y presione Entrar y la pantalla mostrará la interfaz como se muestra a continuación:



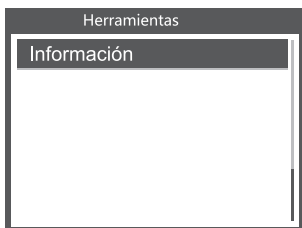
1.4 Configuración de la herramienta

La herramienta de escaneo le permite hacer los siguientes ajustes y ajustes:

- 1) Idioma: Selecciona el idioma deseado.
- 2) Unidad Medida: establezca la medida en inglés o métrico.
- 3) Avisador Acústico: Activa / desactiva el pitido.
- 4) Grabar: ON / OFF el registro.
- 5) Background.
- 6) Feedback.
- 7) Información: Información del producto.

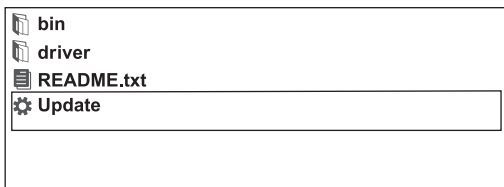


Elija [Información] y se muestra como sigue :

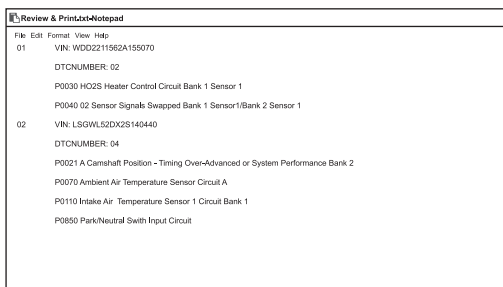
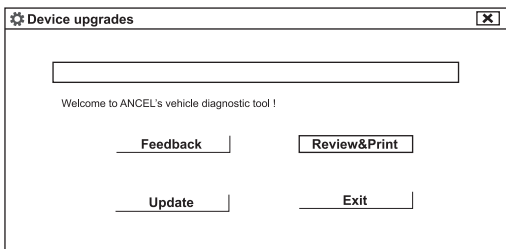


1.5 Revisar e imprimir informes de diagnóstico

1. Descargue el archivo de actualización del sitio web de ANCEL.
2. El dispositivo está conectado con la computadora a través del cable USB.
3. Abra la aplicación "actualizar".

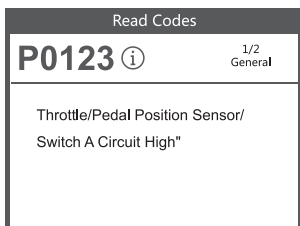


4. Haga clic en "Revisar e imprimir" y genere automáticamente los informes de diagnóstico.

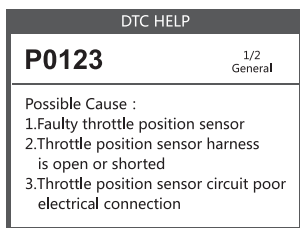


1.6 Función de ayuda ⓘ

1. Cuando el dispositivo lea los códigos de falla, la pantalla mostrará el códigos como se muestra a continuación:



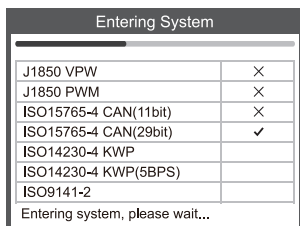
2.Si los usuarios ven la imagen del ícono de ayuda en el menú, presione la tecla de función de ayuda, puede leer más sobre la información de los códigos y por qué ocurrió este error. La pantalla mostrará la información de ayuda como se muestra a continuación:



2. Diagnóstico OBD II

PRECAUCIÓN: No conecte ni desconecte ningún equipo de prueba con encendido o motor en marcha.

- 1) Apague la ignición.
- 2) Localice el conector de enlace de datos (DLC) de 16 clavijas del vehículo.
- 3) Enchufe el conector del cable de la herramienta de escaneo en el DLC del vehículo.
- 4) Encienda la ignición. El motor puede estar apagado o en marcha.
- 5) Presione OK para entrar al Menú Principal. Botón ARRIBA / ABAJO para seleccionar Diagnóstico desde el menú.



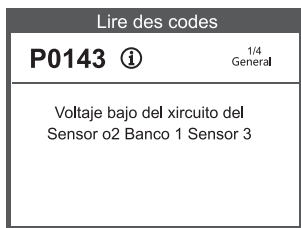
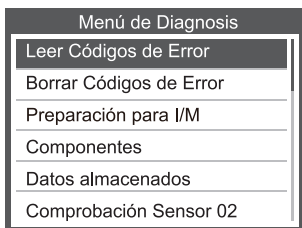
- 6) Presione OK para confirmar.

Si "¡ERROR DE ENLACE!" el mensaje se muestra en la pantalla.

- Verifique que el encendido esté en ON;
- Compruebe si el conector OBD II de la herramienta de escaneo está bien conectado a el DLC del vehículo;
- Apague la ignición y espere unos 10 segundos. Gire el encienda nuevamente en 'on' y repita el procedimiento desde el paso 5.

2.1 leer códigos

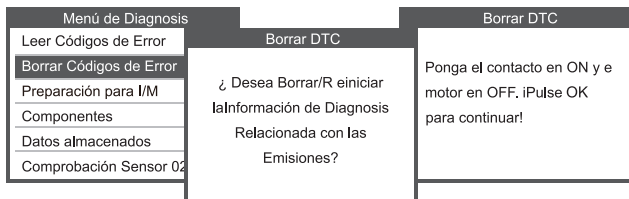
1) Seleccione Leer códigos y presione OK en el Menú de diagnóstico. Si hay Hay algunos códigos, la pantalla mostrará los códigos como se muestra a continuación:



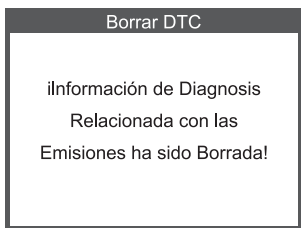
2) Después de ver todos los códigos, puede presionar SALIR para regresar a la menú anterior.

2.2 Borrar códigos

1) Seleccione Borrar códigos, la pantalla mostrará la interfaz como se muestra abajo. Presione OK para borrar los DTC, y la pantalla mostrará el interfaz como se muestra a continuación:



2) De acuerdo con la figura anterior para presionar OK y la pantalla mostrar la interfaz como se muestra en la página siguiente:

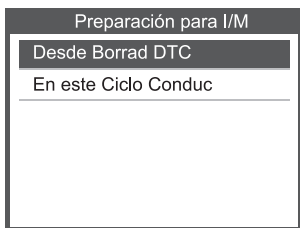
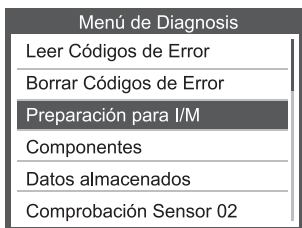


Notas:

- Antes de realizar esta función, asegúrese de recuperar y registrar la códigos de problemas.
- Después de borrar, debe recuperar los códigos de problemas una vez más o Encienda y recupere los códigos nuevamente. Si todavía hay algun problema códigos en el sistema, solucione los códigos utilizando una fábrica Guía de diagnóstico, luego borre los códigos y vuelva a verificar.

2.3 Preparación I / M

Seleccione I / M Readiness y presione OK , la pantalla mostrará el interfaz como se muestra a continuación:



La preparación de I / M es probar Misfire / Fuel system / Comprehensive componente, puede usar los botones ARRIBA o ABAJO para seleccionar y presionar OK , que se muestra a continuación:

Preparación para I/M	
Fallos de Encendido	N/A
Sistema de Combustible	N/A
Control de Componente	N/A
Catalizador/MHC	OK
post-tratamiento del NOX	TMO
Sistema de Presión del Turbo	N/A
Sensor de Cas de Escape	OK
Filtro PM	N/A
Sistema EGR y/o VVT	N/A

N / A significa que no está disponible en este vehículo, INC significa incompleto o no listo, OK significa Completado o Monitorear Ok.

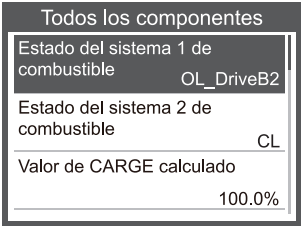
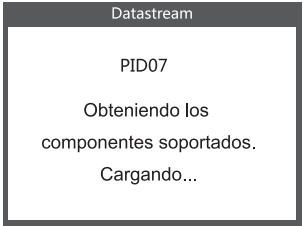
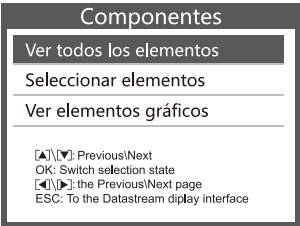
2.4 Flujo de datos

Presione el botón ARRIBA o ABAJO para seleccionar Transmisión de datos en el Menú principal.

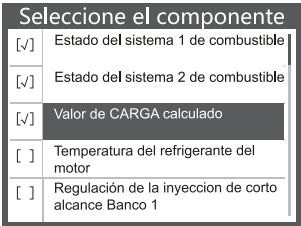
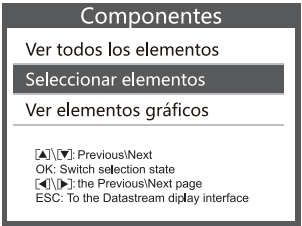
interfaz y luego presione el botón OK para confirmar, la pantalla mostrar la interfaz como se muestra a continuación:

Menú de Diagnóstico	
Leer Códigos de Error	
Borrar Códigos de Error	
Preparación par	
Componentes	
Datos almacenados	
Comprobación Sensor 02	

Seleccione [Ver todos los elementos] y presione el botón OK , la pantalla mostrar la interfaz como se muestra a continuación:



Elija [Seleccionar elementos] y presione el botón de OK. Después de eso, presiona OK botón de nuevo, que se muestra a continuación:



Después de los elementos seleccionados y presione ESC, la pantalla se mostrará de la siguiente manera:

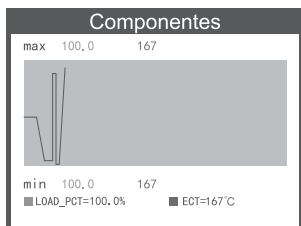
Componente Seleccionado	
Estado del sistema 1 de combustible	OL_DriveB2
Estado del sistema 2 de combustible	CL
Valor de CARGE calculado	
	100.0%

Presione OK para seleccionar [Grafische Items sehen] en el menú de flujo de datos, después de los elementos seleccionados, la pantalla mostrará la interfaz como se muestra abajo:

Componentes	
Ver todos los elementos	
Seleccionar elementos	
Ver elementos gráficos	
[A] \ [V]: Previous\Next OK: Switch selection state [4] \ [5]: the Previous\Next page ESC: To the Datastream display interface	

Seleccione el componente	
[✓]	Valor de CARGA calculado
[✓]	Temperatura del refrigerante del motor
[]	Regulación de la inyeccion de corto alcance Banco 1
[]	Regulación de la inyeccion de corto alcance Banco 3
[]	Regulación de la inyeccion de largo alcance Banco 1

Presione ESC para volver a mostrar:



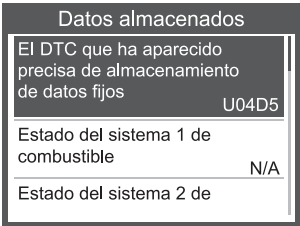
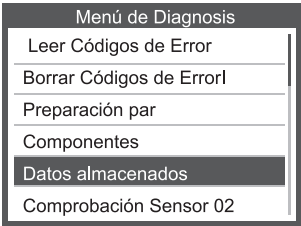
Las líneas máximas son 3.
Presione ESC para regresar al menú anterior.

2.5 Ver congelar marco

Cuando se produce una falla relacionada con las emisiones, una instantánea del vehículo actual Los parámetros son registrados por la ECU.

Nota: si se borraron los DTC, es posible que los datos de congelación no se almacenen en el vehículo.

Seleccione Congelar fotograma en la interfaz del menú principal, la pantalla mostrará el interfaz como se muestra a continuación:



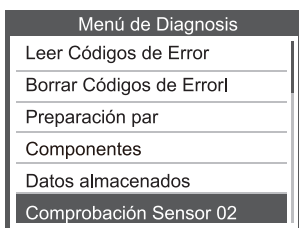
Puede usar el botón ARRIBA / ABAJO para ver los datos. Presione ESC para regresar a Menú de diagnóstico.

2.6 prueba de sensor de O2

Las regulaciones OBD II establecidas por la SAE requieren que los vehículos relevantes monitorear y probar los sensores de oxígeno (O2) para identificar problemas relacionados con la eficiencia del combustible y las emisiones del vehículo. Estas pruebas no son pruebas a pedido y se realizan automáticamente cuando las condiciones de operación del motor están dentro de los límites especificados. Los resultados de estas pruebas se guardan en la memoria de la computadora a bordo.

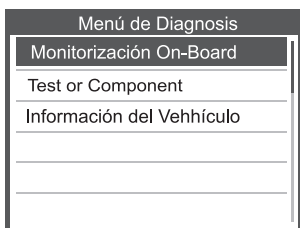
La función de prueba del sensor de O2 permite recuperar y ver el sensor de O2 monitorear los resultados de las pruebas de las pruebas realizadas más recientemente desde Ordenador de a bordo del vehículo.

La función de prueba del sensor de O2 no es compatible con vehículos que comunicarse utilizando una red de área del controlador (CAN). Para sensor de o2 Resultados de las pruebas de vehículos equipados con CAN, consulte el capítulo "Mon. A bordo". Prueba".



2.7 Prueba de monitor a bordo

Esta función se puede utilizar para leer los resultados del diagnóstico a bordo. vigilancia . Pruebas para componentes / sistemas específicos.



Presione ESC para regresar al Menú de Diagnóstico.

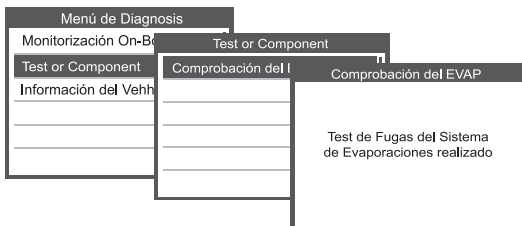
2.8 Test or Component

El sistema OBD2 supervisa el sistema de combustible en busca de fugas de vapor de combustible para garantizar que no se filtren hidrocarburos (HC) a la atmósfera. El monitor EVAP hace dos cosas:

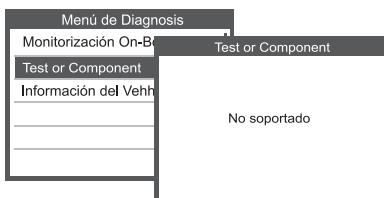
1. Asegúrese de que el vapor de gasolina se envíe a la tubería de admisión en el momento adecuado y se mezcle con el aire para ingresar al motor para la combustión.
2. Evite que el vapor de combustible en la tubería de combustible se filtre a la atmósfera y contamine el medio ambiente Función [Evap SystemTest]:

El dispositivo de diagnóstico externo no puede controlar el control de evaporación de combustible (EVAP) del sistema OBD, y el dispositivo de diagnóstico solo muestra su estado y los resultados de la prueba.

Si el automóvil admite esta función, se mostrará a continuación:

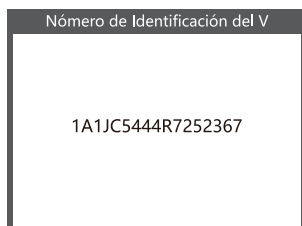
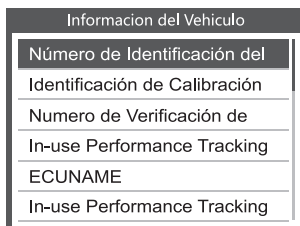
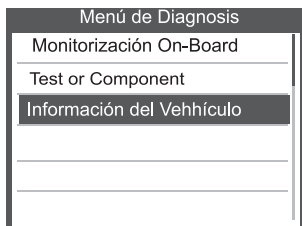


Si el automóvil no admite la función, se mostrará a continuación:



2.9 Información del vehículo

Wählen Sie [Fahrzeuginformationen] und drücken Sie OK. Der Bildschirm wird angezeigt Informationen wie (Fahrzeugidentifikationsnummer), (Kalibrierung Identifikationen) und (Kalibrierungsüberprüfung), wie unten gezeigt (Für verschiedene Fahrzeuge werden unterschiedliche Daten angezeigt):



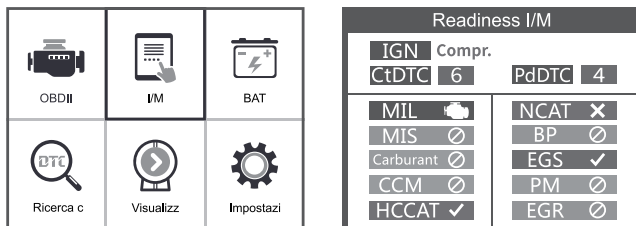
Presione ESC para regresar al Menú de Diagnóstico.

AD530 Italian Manual



1 I / M

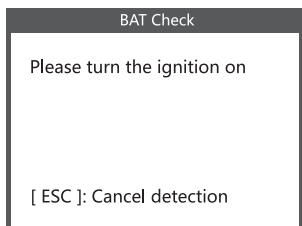
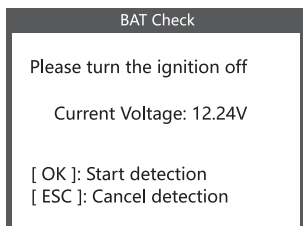
Un'istantanea delle operazioni dei sistemi di emissione per tutti i veicoli OBD II, ad esempio un monitor di misfire, un sistema di evap monitor e altro. Scegli [I / M] e visualizza come segue:



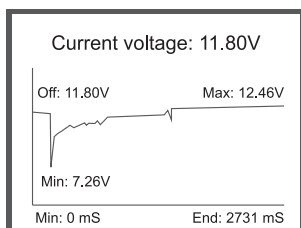
1.1 Controllo BAT

La funzione viene utilizzata per leggere la tensione della batteria in tempo reale. Dal principale Menu, utilizzare il pulsante di scorrimento LEAF / RIGHT per selezionare il menu BAT e premere il tasto OK. lo schermo mostrerà l'interfaccia come mostrato di seguito:





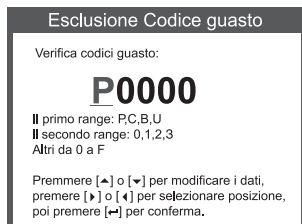
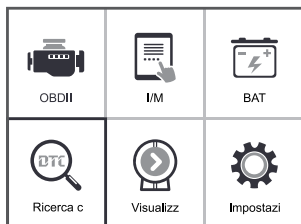
Quando premi il pulsante [OK] e avvia il rilevamento, è l'interfaccia di visualizzazione:



1.2 Ricerca DTC

La funzione Ricerca DTC viene utilizzata per cercare definizioni di codice memorizzato nella libreria di codici incorporata.

- 1) Dal menu principale, utilizzare il pulsante di scorrimento SINISTRA / GIÙ per selezionare la ricerca del codice e premere il pulsante OK.



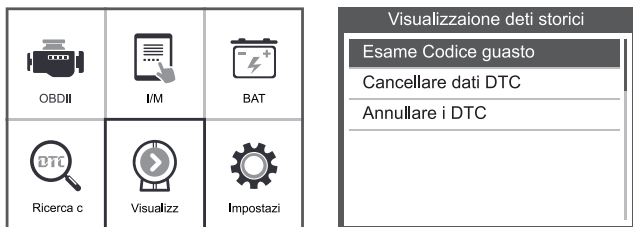
Per i codici specifici del produttore, dovrai selezionare una marca di veicolo su una schermata aggiuntiva per cercare le definizioni DTC.

Se la definizione non è stata trovata (SAE o specifica del produttore), il visualizza lo strumento di scansione "Definizione DTC non trovata! Si prega di fare riferimento al veicolo manuale di servizio !"

2) Per uscire dal menu principale, premere il tasto ESC.

1.3 Revisione

Questa funzione viene utilizzata per rivedere il DTC registrato. Seleziona Controlla nel Menu principale e premere Invio e lo schermo visualizzerà l'interfaccia come mostrato di seguito:



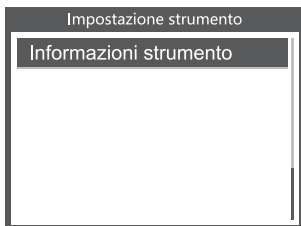
1.4 Configurazione dello strumento

Lo strumento di scansione consente di effettuare le seguenti regolazioni e impostazioni:

- 1) Lingua: seleziona la lingua desiderata.
- 2) Unità di misura: impostare la misura su inglese o metrica.
- 3) Bip: attiva / disattiva il segnale acustico.
- 4) Modalità registrazione: ON / OFF la registrazione.
- 5) Background.
- 6) Feedback.
- 7) Informazioni strume not: Informazioni sul prodotto.

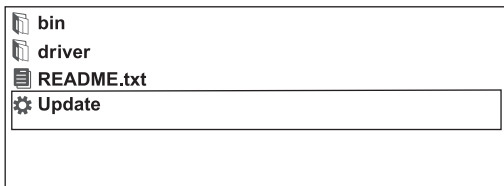


Scegli [Informazioni strumento] e visualizza come segue:

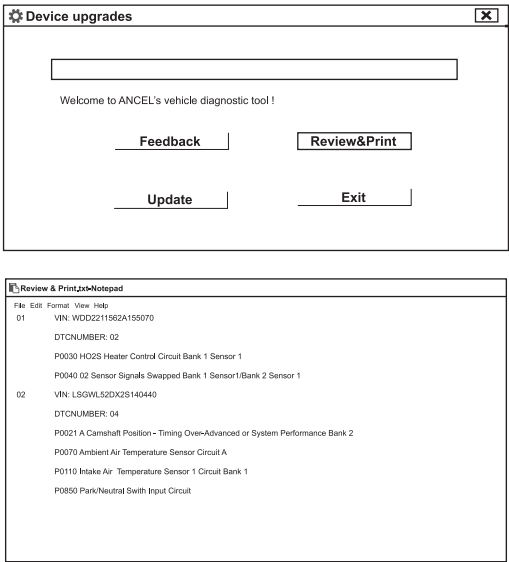


1.5 Controlla e stampa i report diagnostici

1. Scarica il file di aggiornamento dal sito Web di ANCEL.
2. Il dispositivo è collegato al computer tramite cavo USB.
3. Apri l'applicazione "aggiorna".

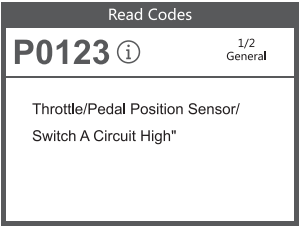


4. Fare clic su "Controlla e stampa" e generare automaticamente rapporti diagnostici.

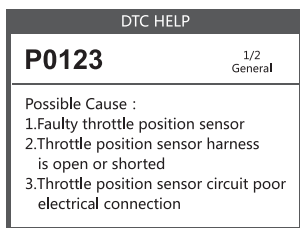


1.6 Funzione di guida ⓘ

1. Quando il dispositivo legge i codici di errore, sullo schermo viene visualizzato il simbolo codici come mostrato di seguito:



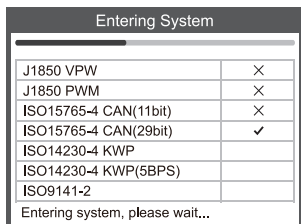
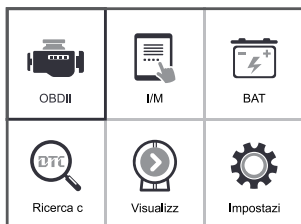
2. Se gli utenti visualizzano l'immagine dell'icona di aiuto nel menu, premere il tasto funzione di aiuto, può leggere di più sulle informazioni sui codici e sul motivo per cui si sono verificati questi codici di errore. lo schermo mostrerà le informazioni della guida come mostrato di seguito:



2. Diagnostica OBD II

ATTENZIONE: non collegare o scollegare alcun dispositivo di prova con accensione o motore in funzione.

- 1) Disinserire l'accensione.
- 2) Individuare il connettore DLC (Data Link Connector) a 16 pin del veicolo.
- 3) Inserire il connettore del cavo dello strumento di scansione nel DLC del veicolo.
- 4) Inserire l'accensione. Il motore può essere spento o in funzione.
- 5) Premere INVIO per accedere al menu principale. UP / DOWN per selezionare Diagnostica dal menu.



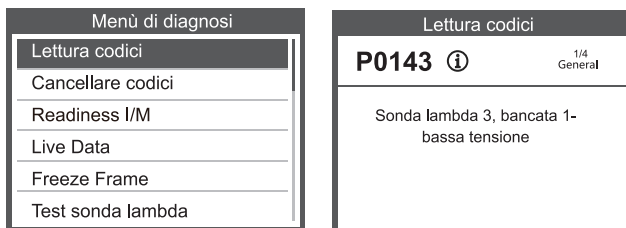
- 6) Premere OK per confermare.

Se **"LINKING ERROR!"** messaggio visualizzato sul display.

- Verificare che l'accensione sia su ON;
- Controllare se il connettore OBD II dello strumento di scansione è collegato saldamente il DLC del veicolo;
- Disinserire l'accensione e attendere circa 10 secondi. Gira il riaccendere su 'on' e ripetere la procedura dal punto 5.

2.1 Codici di lettura

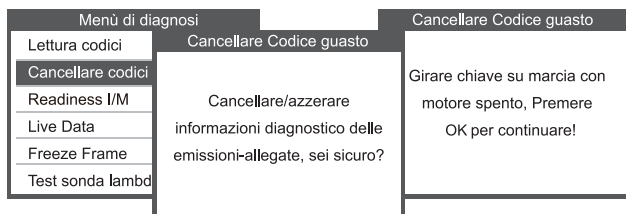
1) Selezionare Leggi codici e premere OK nel menu di diagnostica. Se ci sono alcuni codici, lo schermo mostrerà i codici come mostrato di seguito:



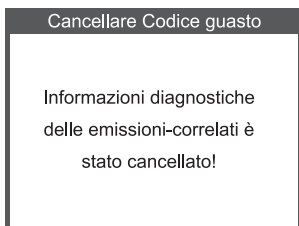
2) Dopo aver visto tutti i codici, è possibile premere ESC per tornare al menu menu precedente.

2.2 Cancella codici

1) Selezionare Cancella codici, lo schermo mostrerà l'interfaccia come mostrato sotto. Premere OK per cancellare DTC e sullo schermo verrà visualizzato il simbolo interfaccia come mostrato di seguito:



2) In base alla figura sopra, premere OK e lo schermo sarà mostrata l'interfaccia come mostrato nella pagina seguente:

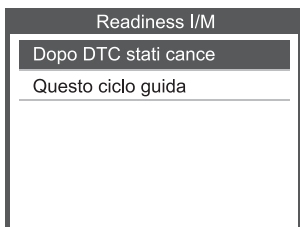
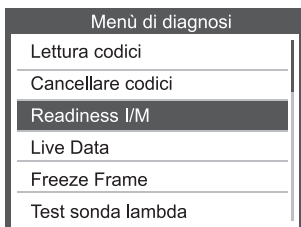


Gli appunti:

- Prima di eseguire questa funzione, assicurarsi di recuperare e registrare il file codici di difficoltà.
- Dopo la cancellazione, dovresti recuperare i codici di difficoltà ancora una volta o girare accensione e recuperare nuovamente i codici. Se ci sono ancora problemi codici nel sistema, si prega di risolvere i codici utilizzando una fabbrica guida alla diagnosi, quindi cancellare i codici e ricontrollare.

2.3 Prontezza I / M

Selezionare I / M Readiness e premere OK , lo schermo mostrerà il interfaccia come mostrato di seguito:



La disponibilità I / M è di testare Misfire / Fuel system / Comprehensive componente, è possibile utilizzare i pulsanti SU o GIÙ per selezionare e premere OK, mostrato come segue:

Readiness I/M	
Misfire	N/A
Fuel system .	N/A
Comprehensive component	N/A
NMHC catalyst	OK
NOx aftertreatment	INC
Boost pressure system	N/A
Exhaust gas sensor	OK
PM filter	N/A
EGR and/or VVT system	N/A

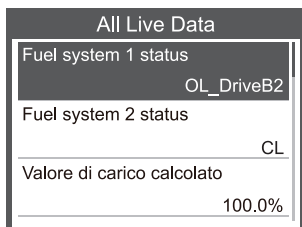
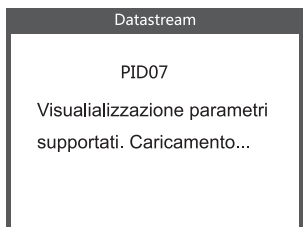
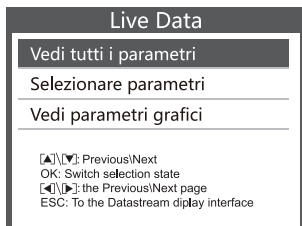
N / A significa non disponibile su questo veicolo, INC significa incompleto o no pronto, OK significa Completato o Monitor Ok.

2.4 Flusso di dati

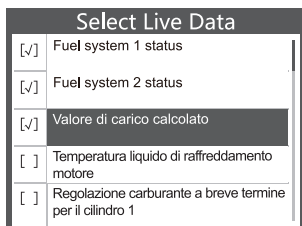
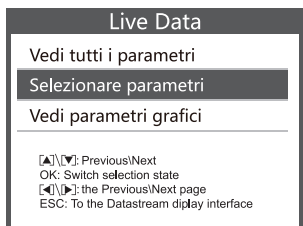
Premere il pulsante SU o GIÙ per selezionare il flusso di dati nel menu principale interfaccia e quindi premere il tasto OK per confermare, lo schermo sarà mostra l'interfaccia come mostrato di seguito:

Menù di diagnosi	
Lettura codici	
Cancellare codici	
Readiness I/M	
Live Data	
Freeze Frame	
Test sonda lambda	

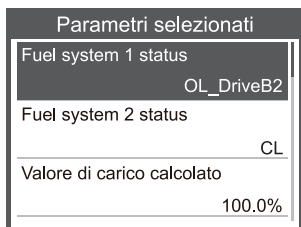
Selezionare [Vedi tutti parametri] e premere il pulsante OK , lo schermo sarà mostra l'interfaccia come mostrato di seguito:



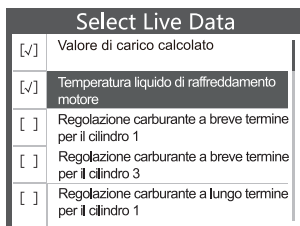
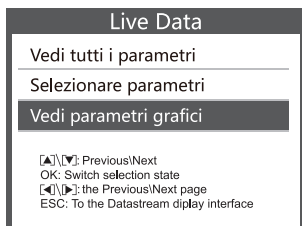
Scegli [Selezionare parametri] e premi il pulsante OK . Quindi, premere OK di nuovo, come mostrato di seguito:



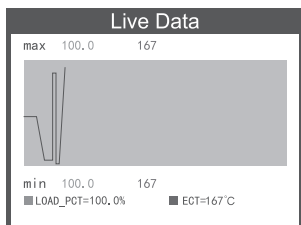
Dopo le voci selezionate e premi ESC, lo schermo mostrerà come segue:



Premere OK per selezionare [Vedi parametri grafici] nel menu del flusso di dati, dopo gli elementi selezionati, lo schermo mostrerà l'interfaccia come mostrato sotto:



Premere ESC per tornare alla visualizzazione:



Le linee massime sono 3.

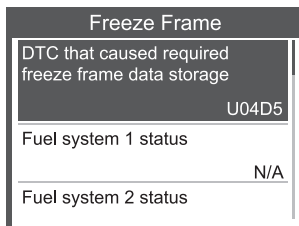
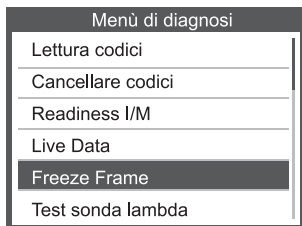
Premere ESC per tornare al menu precedente.

2.5 View Freeze Frame

Quando si verifica un guasto relativo alle emissioni, un'istantanea del veicolo corrente parametro sono registrati dalla ECU.

Nota: se i DTC sono stati cancellati, Freeze Data non può essere memorizzato nel veicolo.

Selezionare Freeze Frame nell'interfaccia del menu principale, lo schermo mostrerà l'interfaccia come mostrato di seguito:



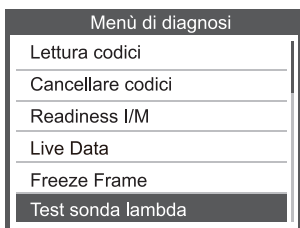
È possibile utilizzare il pulsante SU / GIÙ per visualizzare i dati. Premere ESC per tornare al menu di diagnostica.

2.6 Test del sensore O2

I regolamenti OBD II stabiliti dalla SAE richiedono che i veicoli interessati monitorare e testare i sensori di ossigeno (O2) per identificare i problemi relativi all'efficienza del carburante e alle emissioni dei veicoli. Questi test non sono test su richiesta e vengono eseguiti automaticamente quando le condizioni di funzionamento del motore sono entro i limiti specificati. Questi risultati dei test vengono salvati nella memoria del computer di bordo.

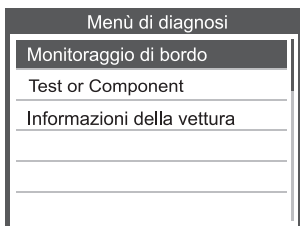
La funzione Test sensore O2 consente il recupero e la visualizzazione del sensore O2 monitorare i risultati dei test per i test più recenti eseguiti dal computer di bordo del veicolo.

La funzione Test sensore O2 non è supportata dai veicoli che comunicare utilizzando una controller area network (CAN). Per sensore O2 Risultati dei test dei veicoli equipaggiati con CAN, vedere il capitolo "On-Board Mon. Test".



2.7 Test del monitor di bordo

Questa funzione può essere utilizzata per leggere i risultati della diagnostica di bordo monitoraggio. Test per componenti / sistemi specifici.



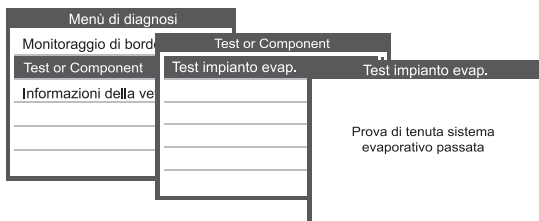
2.8 Test or Component

Il sistema OBD2 monitora il sistema del carburante per le perdite di vapore del combustibile per assicurare che nessun idrocarburo (HC) perda nell'atmosfera. Il monitor EVAP fa due cose:

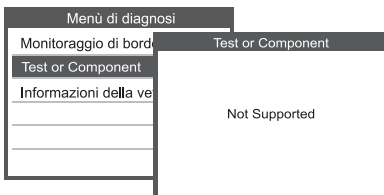
1. Assicurarsi che il vapore della benzina venga inviato al tubo di aspirazione al momento giusto e miscelato con l'aria per entrare nel motore per la combustione.
2. Evitare che i vapori del carburante nel tubo del carburante perdano nell'atmosfera e inquinino l'ambiente [Evap SystemTest] funzione:

Il dispositivo diagnostico esterno non può controllare il controllo dell'evaporazione del carburante (EVAP) del sistema OBD, e il dispositivo diagnostico visualizza solo il suo stato e i risultati dei test.

Se l'auto supporta questa funzione, verrà visualizzato come segue:

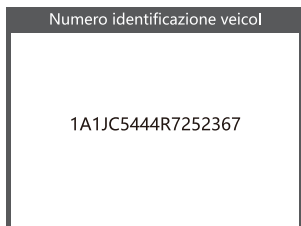
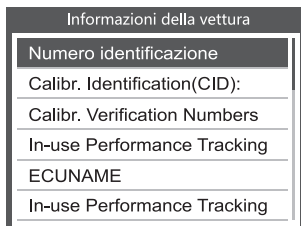
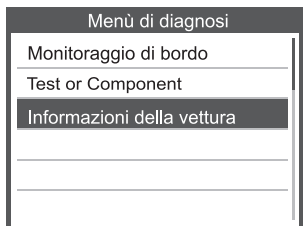


Se l'auto non supporta la funzione, verrà visualizzato come di seguito:



2.9 Fahrzeug Information

Selezionare [Informazioni sul veicolo] e premere INVIO. Lo schermo viene visualizzato informazioni quali (Numero di identificazione del veicolo), (Calibrazione Identificazioni) e (Verifica della calibrazione), come mostrato di seguito (verranno visualizzati dati diversi per veicoli diversi):



Premere ESC per tornare al menu di diagnostica.

Warranty and Service

Limited One Year Warranty

THIS WARRANTY IS EXPRESSLY LIMITED TO PERSONS WHO PURCHASE ANCEL AD530 PRODUCTS FOR PURPOSES OF RESALE OR USE IN THE ORDINARY COURSE OF THE BUYER'S BUSINESS.

ANCEL AD530 code reader is warranted against defects in materials and workmanship for one year (12 months) from the date of delivery to the user.

This warranty does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use. The exclusive remedy for any automotive meter found to be defective is repair or replacement, and ANCEL AD530 shall not be liable for any consequential or incidental damages.

Service Procedures

If you have any questions, please contact your local store distributor.

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

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E-mail: support@anceltech.com

Website: www.anceltech.com



Séparez les éléments avant de trier