

AUTOPHIX[®]

USER'S MANUAL

9000



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.
- Put the transmission in PARK (for automatic transmission) or NEUTRAL (for manual transmission) and make sure the parking brake is engaged.
- 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:

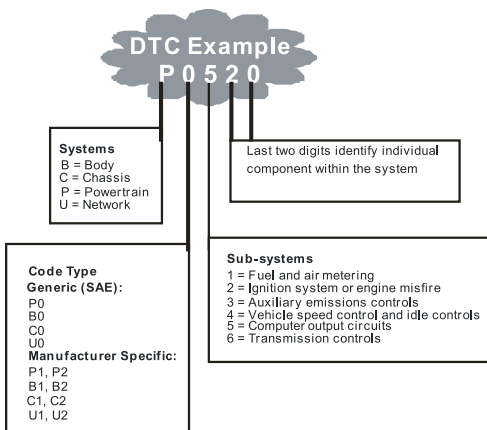


Figure 1-2: Explanation of a diagnostic trouble code.

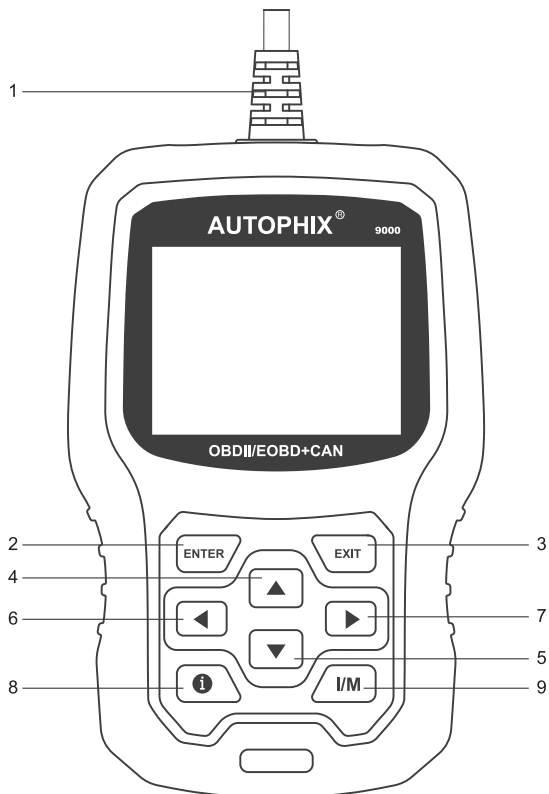
2.3 Location of the Data Link Connector (DLC)

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 - Autophix 9000



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

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

3.EXIT 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	Spark	DTC	0
MIL		PdDTC	0
MIS	∅	EVAP	∅
FUE	✓	AIR	∅
CCM	✓	O2S	✗
CAT	✓	HRT	✗
HCAI	∅	EGR	∅

Remarks:

MIL Yellow- Dashboard MIL ON

MIL Gray-Dashboard MIL OFF

∅ -not support

✓ -complete

✗ -not complete

3.2 Specifications

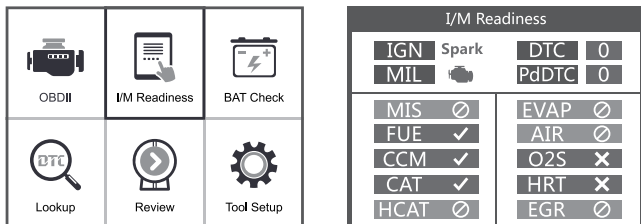
- 1) Display: 2.8” TFT 262K true color
- 2) Operating Temperature: 0 to 50 C (32 to 140 F°)
- 3) Storage Temperature: -20 to 70 C (-4 to 158 F°)
- 4) External Power: 8 to 36V power provided via vehicle battery
- 5) Dimensions: 155.30 x 97.60 x 31.80 mm
- 6) Weight: 0.45kg

3.3 Accessories Included

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

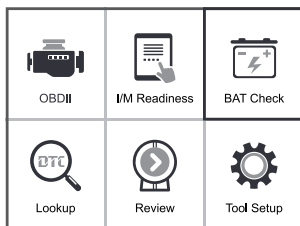
3.4 I/M

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 :

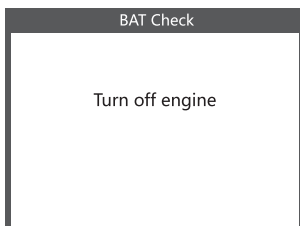


3.5 BAT Check

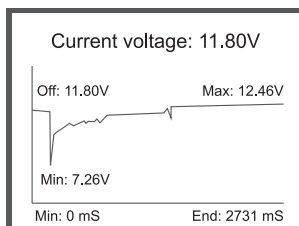
The function is used to read real time battery voltage. From the Main Menu, use the LEAF/ RIGHT scroll button to select the BAT menu and press the ENTER button. the screen will display the interface as shown below:



Please turn off the engine.



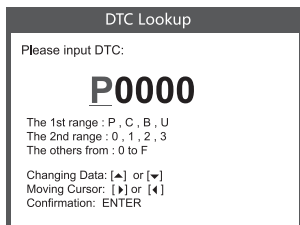
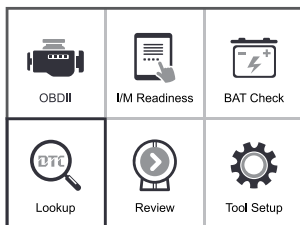
When press[ENTER]button and Start detection, it's display interface:



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 ENTER button.



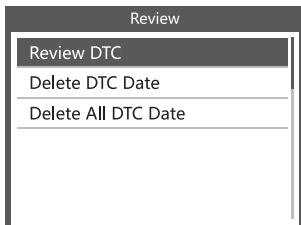
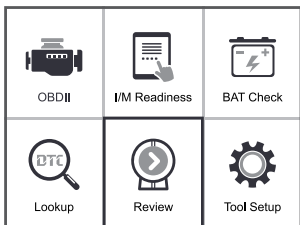
For manufacturer specific codes , you'll need to select a vehicle make on an additional screen to look for DTC definitions.

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 EXIT button.

3.7 Review

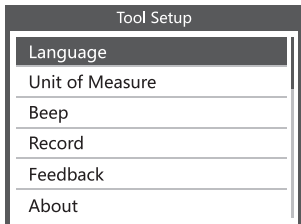
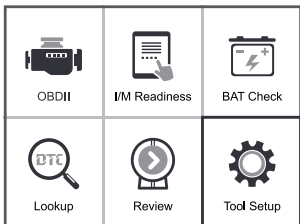
This function is used to review the recorded DTC. Select Review in the Main Menu and press Enter and the screen will display the interface as shown below:



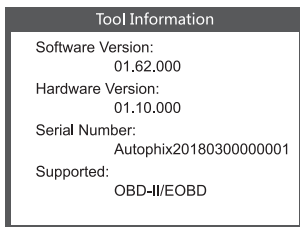
3.8 Tool Setup

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) Feedback.
- 6) About: Product information.

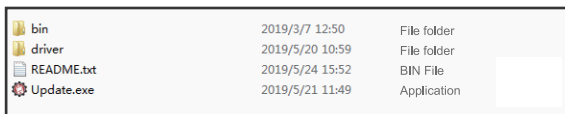


Choose [About] and it displays as follow :

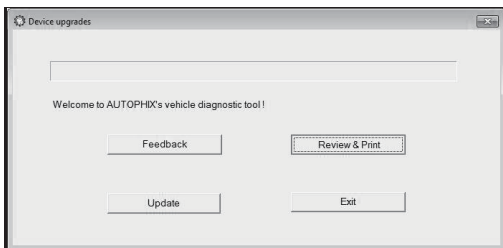


3.9 Review&Print diagnostic reports

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



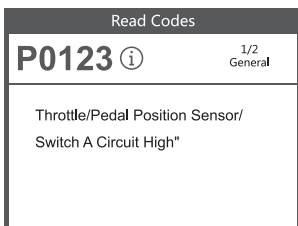
4. Click "Review&Print" and automatically generate diagnostic reports.




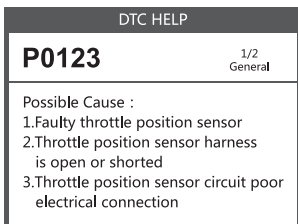
```
DTCs Records - Notepad
File Edit Format View Help
01 VIN: WDD2211562A155070
DTCNUMBER: 02
P0030 HO2S Heater Control Circuit Bank 1 Sensor 1
P0040 O2 Sensor Signals Swapped Bank 1 Sensor 1/Bank 2 Sensor 1
02 VIN: L5GHL52DX2S140440
DTCNUMBER: 04
P0021 A Camshaft Position - Timing Over-Advanced or System Performance Bank 2
P0070 Ambient Air Temperature Sensor Circuit A
P0110 Intake Air Temperature Sensor 1 Circuit Bank 1
P0850 Park/Neutral Switch Input Circuit
```

3.10 Help Function

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



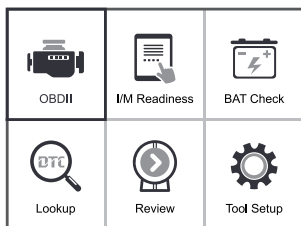
2. If users view the help icon picture in the menu, please press the help function key  , it can read more about the codes information, and why this fault codes occurred. The screen will display the help information as shown below:



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 ENTER to enter Main Menu . UP /DOWN button to select Diagnostics from the menu.



View Data	
J1850 VPW	×
J1850 PWM	×
ISO 15765-4 CAN11Bit	×
ISO 15765-4 CAN29Bit	×
ISO 14230 KWP	×
ISO 14230 KWP5BPS	...
ISO 9141-2	...
Entering system please wait...	

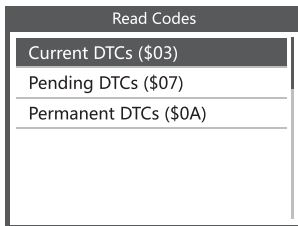
- 6) Press ENTER to confirm.

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

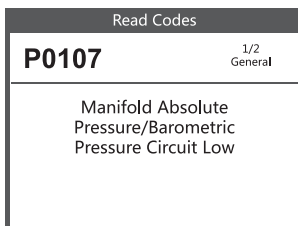
- Verify that the ignition is ON;
- Check if the scan tool's OBD II connector is securely connected to the vehicle's DLC;
- Turn the ignition 'off' and wait for about 10 seconds. Turn the ignition back to 'on' and repeat the procedure from step 5.

4.1 Read Codes

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



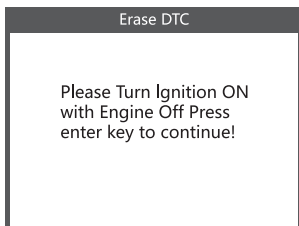
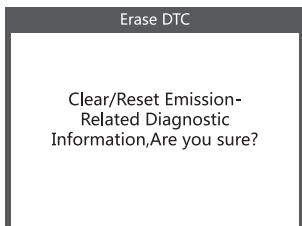
2) According to the above figure to select different item by pressing UP or DOWN and press ENTER to confirm.



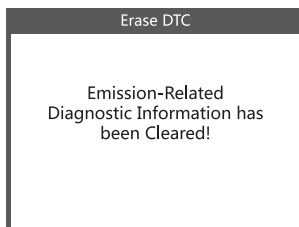
3) After viewing all the codes, you can press EXIT to return to the previous menu.

4.2 Erase Codes

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



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

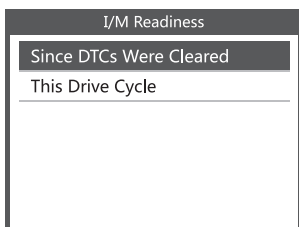
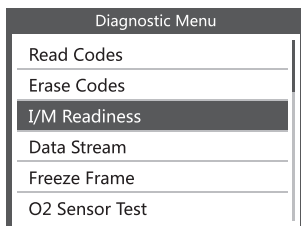


Notes:

- 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 ENTER, 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 ENTER, 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 system 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 ENTER button to confirm, the screen will display the interface as shown below:

Diagnostic Menu
Read Codes
Erase Codes
I/M Readiness
Data Stream
Freeze Frame
O2 Sensor Test

Datastream
View All Items
Select Items
View Graphic Items

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

PID07
Get supported data stream.Loading...

FUELSYSA	0L
FUELSYSB	N/A
LOAD_PCT	0.0%
ECT	53°C
SHRTFT1	32.8%
LONGFT1	0.0%

Choose [select items] and press enter button. After that, press enter button again, shown as follow:

Select Datastream	
[✓]	Fuel system 1 status
[✓]	Fuel system 2 status
[✓]	Calculated LOAD Value
[✓]	Engnie Coolant Temperature
[✓]	Short Term Fuel Trim-Bank1

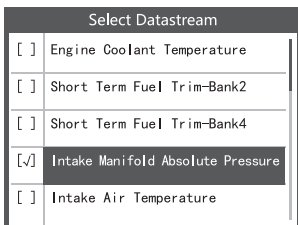
After selected items and press exit, the screen will display as follow:

Selected Datastream	
FUELSYSA	OL
FUELSYSB	N/A
LOAD_PCT	0.0%
ECT	53°C
SHRTFT1	32.8%

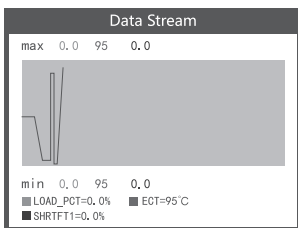
If you want to know means of the abbreviation data, you can press the ENTER Button, the screen will display the interface as shown below:

FUELSYSA
Fuel system 1 status

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



Press EXIT to return to display :



Max lines is 3.

Press EXIT to return to previous menu.

You can view all data stream items or select a certain item of live data with a graph.

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:

Diagnostic Menu	
Read Codes	
Erase Codes	
I/M Readiness	
Data Stream	
Freeze Frame	
O2 Sensor Test	

On-Board Monitoring	
DTC that caused required freeze frame data storage	P2122
Fuel system 1 status	N/A
Fuel system 2 status	N/A
Calculated LOAD Value	0.0%
Engine Coolant Temperature	0°C

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

4.6 O2 sensor test

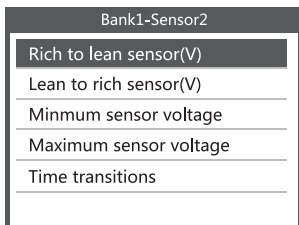
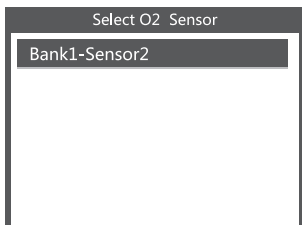
OBD II regulations set by the SAE require that relevant vehicles monitor and test the oxygen (O₂) sensors to identify problems related to fuel efficiency and vehicle emissions. These tests are not on-demand tests and they are done automatically when engine operating conditions are within specified limits. 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 ENTER and the Screen will display as shown below.

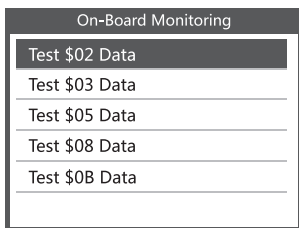
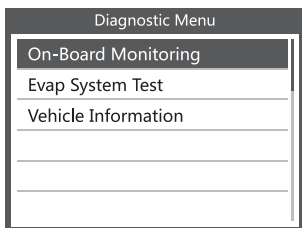
Press ENTER button, the screen will display as shown below (Data will be different everytime) :



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 ENTER and the screen will display as shown below (Data will be different everytime):



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

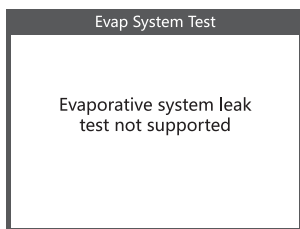
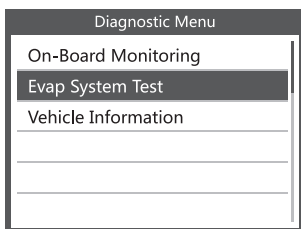
On-Board Monitoring	
Component ID	\$5e
Limit Type	Max
Test Value	33733
Minimum Limit	-----
Status	Pass

Press EXIT to return to Diagnostic Menu.

4.8 EVAP System Test

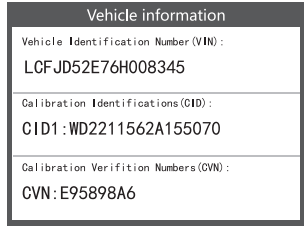
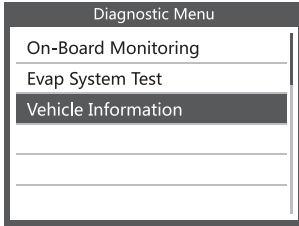
The EVAP test function lets you initiate a leak test for the vehicle's EVAP system. The device does not perform the leak test, but signals to vehicle's on-board Computer to initiate the test. Before using the system test function, refer To The vehicle's service repair manual to determine the procedures necessary to stop the test.

Select EVAP System Test and press ENTER, the screen will display the relative information about EVAP system. Some vehicle manufacturers do not allow External devices to control vehicle system. If the car supports this function, it will display as below:



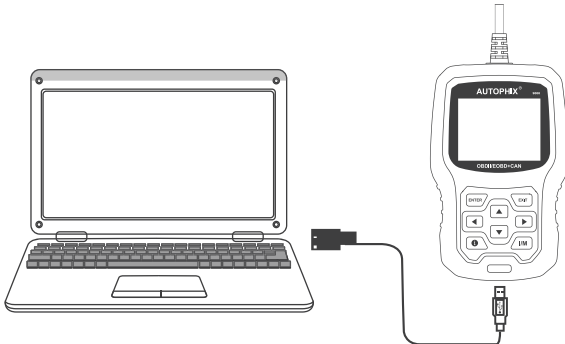
4.9 Vehicle Info

Select [Vehicle Info] and press ENTER, the screen will display the information, such as VIN (Vehicle identification Number), CID (Calibration ID) and CVN (Calibration verification number), as shown below (different cars will shown different data) :



Press EXIT to return to Diagnostic Menu.

5. Update

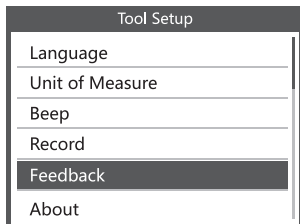
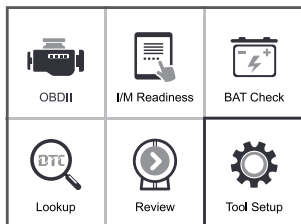


1. Please connect device and computer with USB cable before upgrading.
2. The update software is only supported by windows 7/8/10. (Win8/10 can run update software directly, only windows 7 need to install the driver.)
3. Click "install driver.bat" in the driver file to install the driver.

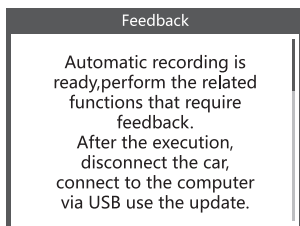
6. Feedback

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:



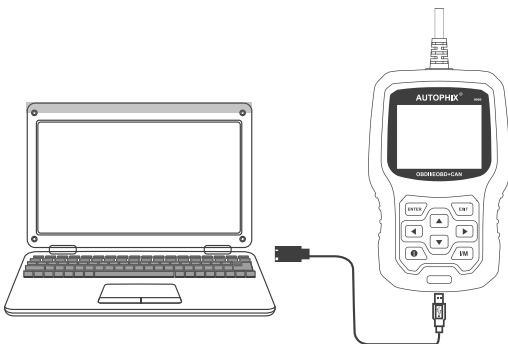
Next : Press EXIT Button and return to the main menu.

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 AUTOPHIX website.

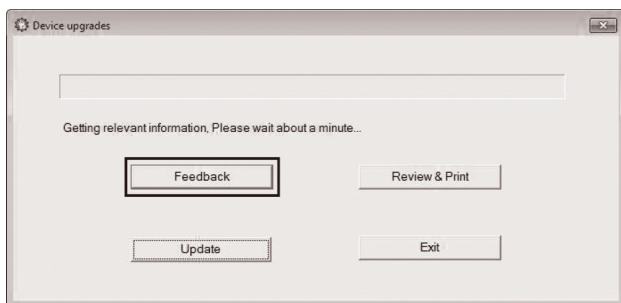
The device is connected with computer through USB cable.



Choose "Update" file and it displays as follow:

 bin	2019/3/7 12:50	File folder	
 driver	2019/5/20 10:59	File folder	
 README.txt	2019/5/24 15:52	BIN File	
 Update.exe	2019/5/21 11:49	Application	

Click "Feedback" and it displays as follow:



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

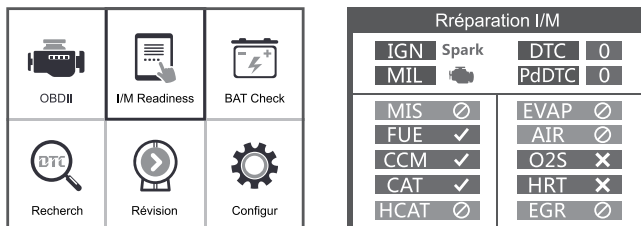
Name	Date modified	Type	Size
Unspecified (6)			
bin	2017/4/11 21:32	File folder	
driver	2017/4/11 21:32	File folder	
feedback.bin	2017/6/20 13:40	BIN File	0 KB
README.txt	2017/1/9 14:57	Text Document	1 KB
Update.exe	2017/5/12 14:47	Application	9,166 KB

9000 French Manual



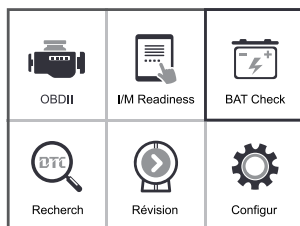
1 I / M

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:

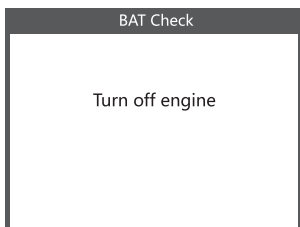


1.1 Contrôle BAT

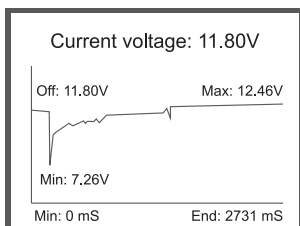
La fonction est utilisée pour lire la tension de la batterie en temps réel. De la main Menu, utilisez le bouton de défilement LEAF / DROIT pour sélectionner le menu BAT et appuyez sur le bouton ENTER. l'écran affichera l'interface comme indiqué ci-dessous:



S'il vous plaît éteindre le moteur.



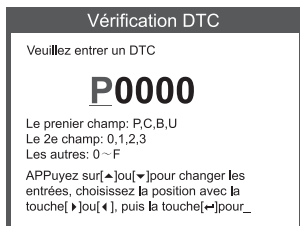
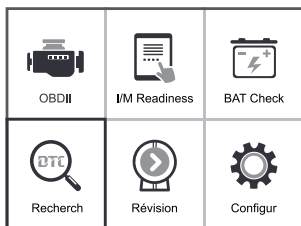
Lorsque vous appuyez sur le bouton [ENTER] et démarrez la détection, son interface d'affichage:



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 ENTER.



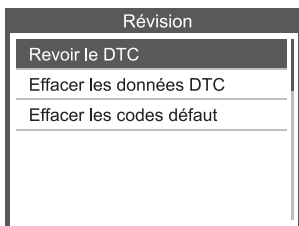
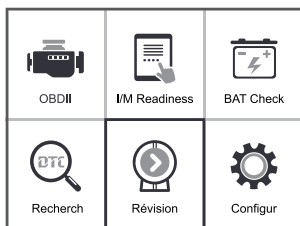
Pour les codes spécifiques du fabricant, vous devez sélectionner une marque de véhicule. sur un écran supplémentaire pour rechercher les définitions de DTC.

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 EXIT.

1.3 Révision

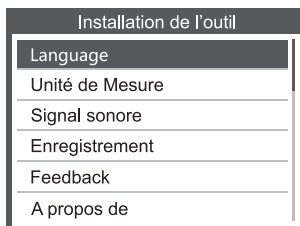
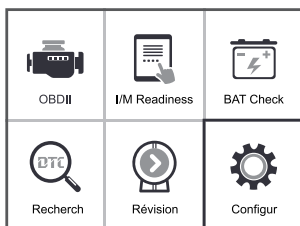
Cette fonction permet d'examiner le DTC enregistré. Sélectionnez Review dans le Menu principal et appuyez sur Entrée. L'écran suivant apparaît:



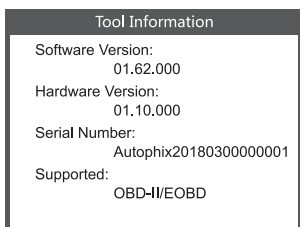
1.4 Configuration de l'outil

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

- 1) Select Language: Sélectionne la langue souhaitée.
- 2) Unité de mesure: Définissez la mesure en anglais ou en métrique.
- 3) Beep Set: Active / désactive le bip.
- 4) Record: ON / OFF l'enregistrement.
- 5) commentaires.
- 6) À propos de: Informations sur le produit.

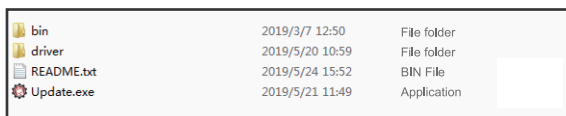


Choisissez [À propos de] et il s'affiche comme suit:

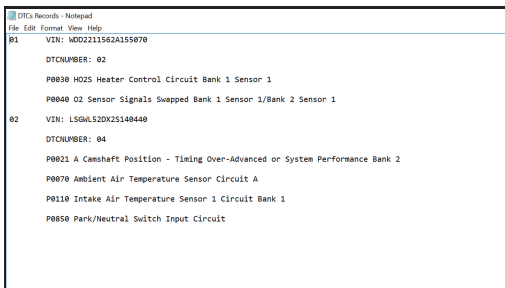
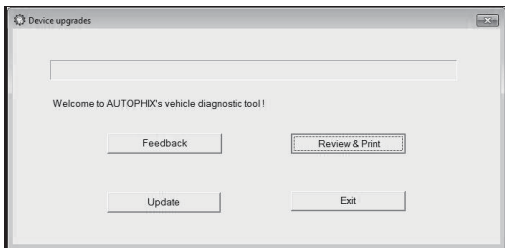


1.5 Examiner et imprimer les rapports de diagnostic

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

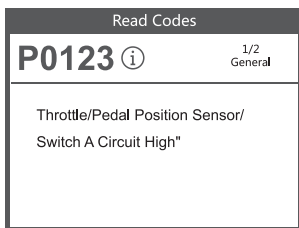


4. Cliquez sur «Examiner et imprimer» et générez automatiquement des rapports de diagnostic.

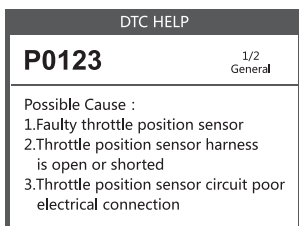


1.6 Fonction d'aide

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



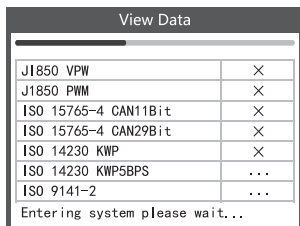
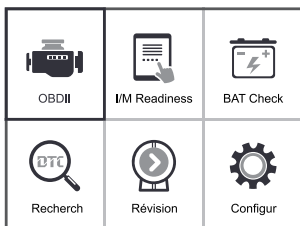
2. Si les utilisateurs affichent l'icône d'aide dans le menu, appuyez sur la touche de fonction d'aide pour en savoir plus sur les informations relatives aux codes et sur les causes de ces codes d'erreur. L'écran affichera les informations d'aide comme indiqué ci-dessous :



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 ENTER pour accéder au menu principal. Bouton HAUT / BAS pour sélectionner Diagnostics du menu.



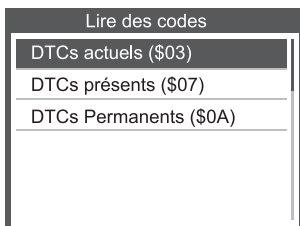
- 6) Appuyez sur ENTER pour confirmer.

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

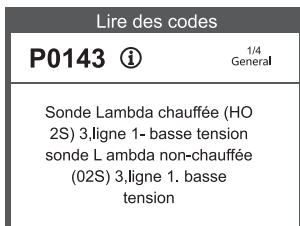
- Vérifiez que le contact est allumé;
- Vérifiez si le connecteur OBD II de l'outil d'analyse est correctement branché sur le DLC du véhicule;
- Coupez le contact et attendez environ 10 secondes. Tournez le contact à nouveau et répétez la procédure à partir de l'étape 5.

2.1 Lire les codes

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



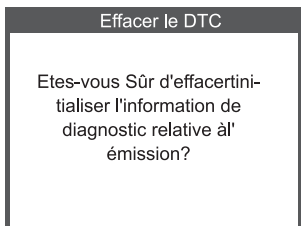
2) Selon la figure ci-dessus, sélectionnez un élément différent en appuyant sur UP ou DOWN et appuyez sur ENTER pour confirmer.



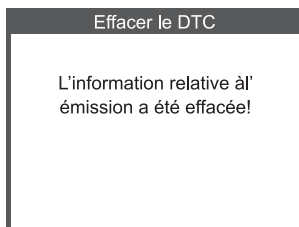
3) Après avoir visualisé tous les codes, vous pouvez appuyer sur EXIT pour revenir au menu principal. menu précédent.

2.2 Effacer les codes

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



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

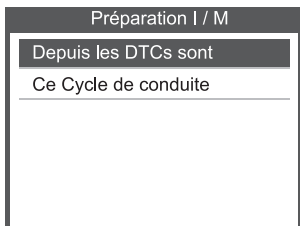
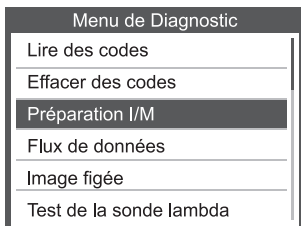


Remarques:

- 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 revérifier.

2.3 État de préparation I / M

Sélectionnez I / M Readiness et appuyez sur ENTER, 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 ENTER, comme suit:

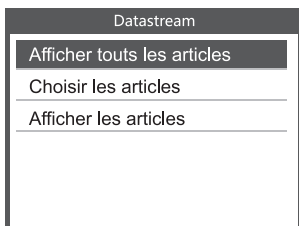
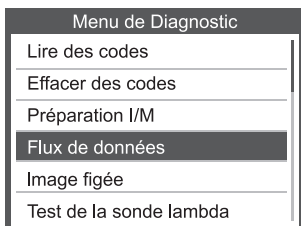
Surveillance des ratés dallumage	N/A
Fuel SYStem monitor	N/A
Surveillance du composant global	N/A
IMHC catalyst monitor	OK
NOX aftertreatment monitor	INC
Boost pressure system monitor	N/A
Exhaust gas sensor monitor	OK
PM filter monitor	M/A
EGR and/or VVT system monitor	M/A

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

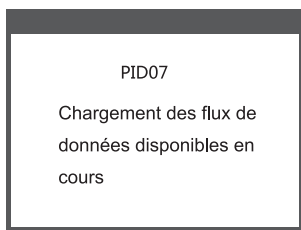
2.4 Flux de données

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

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



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



FUELSYSA	0L
FUELSYSB	N/A
LOAD_PCT	0. 0%
ECT	53°C
SHRTFT1	32. 8%
LONGFT1	0. 0%

Choisissez [select items] et appuyez sur le bouton enter. Après cela, appuyez sur Entrée bouton à nouveau, comme suit:

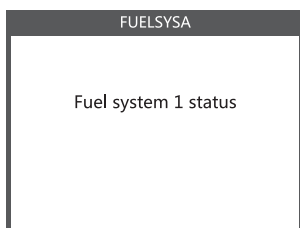
Select Datastream

<input checked="" type="checkbox"/>	Fuel system 1 status
<input checked="" type="checkbox"/>	Fuel system 2 status
<input checked="" type="checkbox"/>	Calculated LOAD Value
<input checked="" type="checkbox"/>	Engnie Coolant Temperature
<input checked="" type="checkbox"/>	Short Term Fuel Trim-Bank1

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

Selected Datastream	
FUELSYSA	0L
FUELSYSB	N/A
LOAD_PCT	0. 0%
ECT	53°C
SHRTFT1	32. 8%

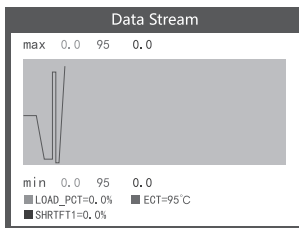
Si vous voulez connaître le moyen des données d'abréviation, vous pouvez appuyer sur le bouton ENTER, l'écran affichera l'interface comme indiqué ci-dessous:



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

Select Datastream	
[]	Engine Coolant Temperature
[]	Short Term Fuel Trim-Bank2
[]	Short Term Fuel Trim-Bank4
[✓]	Intake Manifold Absolute Pressure
[]	Intake Air Temperature

Appuyez sur EXIT pour revenir à l'affichage:



Max lignes est 3.

Appuyez sur EXIT pour revenir au menu précédent.

Vous pouvez afficher tous les éléments de flux de données ou sélectionner un élément de données en direct avec un graphique.

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:

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

On-Board Monitoring	
DTC that caused required freeze frame data storage	P2122
Fuel system 1 status	N/A
Fuel system 2 status	N/A
Calculated LOAD Value	0.0%
Engine Coolant Temperature	0°C

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

2.6 test du capteur d'O2

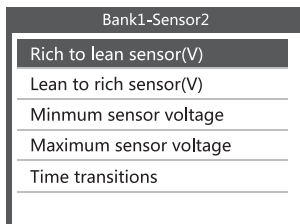
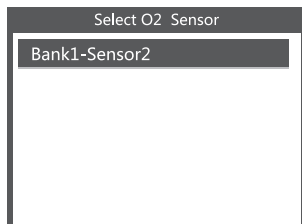
Les réglementations OBD II définies par la SAE exigent que les véhicules concernés surveillent et testent les capteurs d'oxygène (O₂) pour identifier les problèmes liés à l'efficacité énergétique et aux émissions des véhicules. Ces tests ne sont pas des tests à la demande et sont effectués automatiquement 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".

Sélectionnez O₂ Sensor Test dans le menu Diagnostic et appuyez sur ENTER. L'écran s'affichera comme indiqué ci-dessous.

Appuyez sur la touche ENTER, l'écran s'affiche comme indiqué ci-dessous (les données être différent à chaque fois):



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.

Sélectionnez Surveillance intégrée dans le menu de diagnostic et appuyez sur ENTREE, puis sur l'écran s'affiche comme indiqué ci-dessous (les données seront différentes à chaque fois):

Menu de Diagnostic
Surveillance embraquée
Contrôle du système de
Information du véhicule

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

Vous pouvez utiliser les boutons UP ou DOWN pour sélectionner un élément et appuyer sur ENTER.

l'écran s'affiche comme indiqué ci-dessous (les données seront différentes à chaque fois):

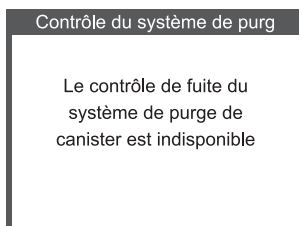
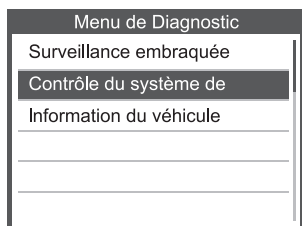
On-Board Monitoring	
Component ID	\$5e
Limit Type	Max
Test Value	33733
Minimum Limit	-----
Status	Pass

Appuyez sur EXIT pour revenir au menu de diagnostic.

2.8 Test du système EVAP

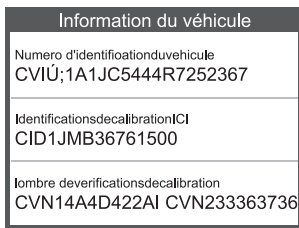
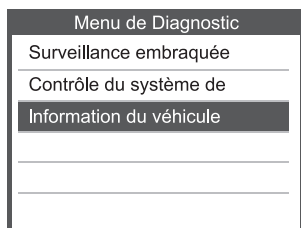
La fonction de test EVAP vous permet de lancer un test de fuite pour le véhicule Système EVAP. L'appareil n'effectue pas le test d'étanchéité, mais

envoie un signal à l'ordinateur de bord du véhicule pour lancer le test. Avant d'utiliser la fonction de test du système, reportez-vous à la section Le manuel de réparation du véhicule déterminer les procédures nécessaires pour arrêter le test. Sélectionnez EVAP System Test et appuyez sur ENTER. L'écran affiche le informations relatives sur le système EVAP. Certains constructeurs automobiles ne laissez pas les appareils externes contrôler le système du véhicule. Si la voiture supporte cette fonction, elle s'affiche comme ci-dessous:



2.9 Information sur le véhicule

Sélectionnez [Infos véhicule] et appuyez sur ENTER, l'écran affichera le informations, telles que VIN (numéro d'identification du véhicule), CID (ID d'étalonnage) et CVN (numéro de vérification de l'étalonnage), comme indiqué ci-dessous (différentes voitures afficheront des données différentes):



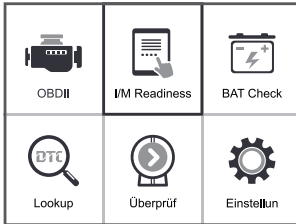
Appuyez sur EXIT pour revenir au menu de diagnostic.




1 I / M

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 ENTER. Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:

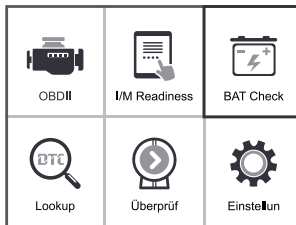


I/M Bereitschaft			
IGN	Spark	DTC	0
MIL		PdDTC	0
MIS	<input type="checkbox"/>	EVAP	<input type="checkbox"/>
FUE	<input checked="" type="checkbox"/>	AIR	<input type="checkbox"/>
CCM	<input checked="" type="checkbox"/>	O2S	<input checked="" type="checkbox"/>
CAT	<input checked="" type="checkbox"/>	HRT	<input checked="" type="checkbox"/>
HCAT	<input type="checkbox"/>	EGR	<input type="checkbox"/>

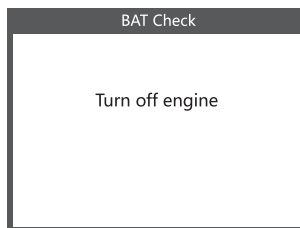
1.1 BAT-Check

Die Funktion dient zum Ablesen der Batteriespannung in Echtzeit.

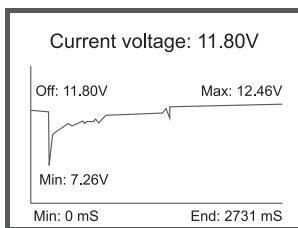
Verwenden Sie im Hauptmenü die Navigationstaste BLATT / RECHTS, um das Menü BAT auszuwählen, und drücken Sie die Taste ENTER. Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:



Bitte stellen Sie den Motor ab.



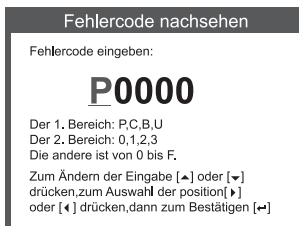
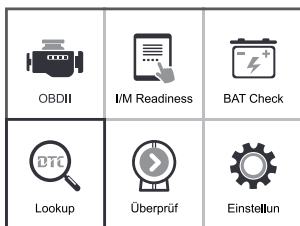
Wenn Sie die [ENTER] -Taste drücken und die Erkennung starten, wird Folgendes angezeigt:



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 ENTER-Taste.



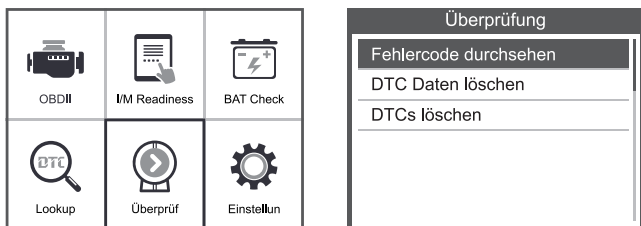
Für herstellerspezifische Codes müssen Sie auf einem zusätzlichen Bildschirm eine Fahrzeugmarke auswählen, um nach DTC-Definitionen zu suchen.

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

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

1.3 Überprüfung

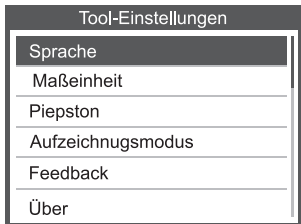
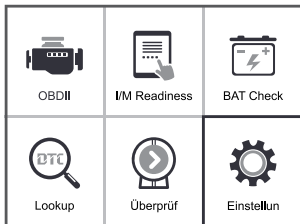
Diese Funktion wird verwendet, um den aufgezeichneten DTC zu überprüfen. Wählen Sie im Hauptmenü die Option "Überprüfen" und drücken Sie die Eingabetaste. Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:



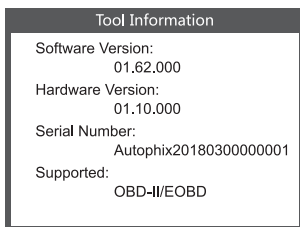
1.4 Werkzeugeinrichtung

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

- 1) Sprache auswählen: Wählt die gewünschte Sprache aus.
- 2) Maßeinheit: Stellen Sie das Maß auf Englisch oder Metrisch ein.
- 3) Beep Set: Schaltet den Beep ein / aus.
- 4) Aufnahme: Aufnahme ein- / ausschalten.
- 5) Rückmeldung.
- 6) Über: Produktinformationen.

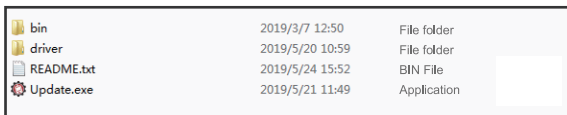


Wählen Sie [About] und es wird wie folgt angezeigt:

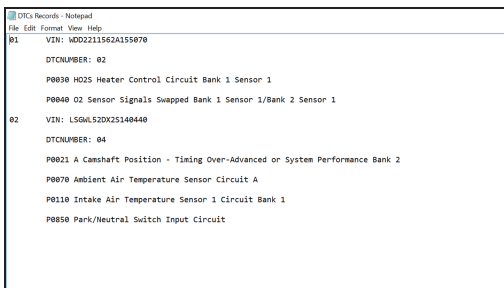
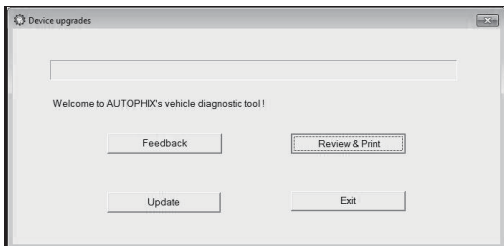


1.5 Überprüfen und Drucken von Diagnoseberichten

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

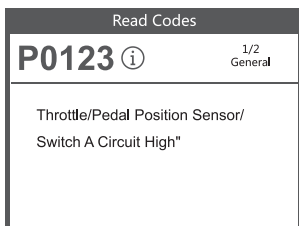


4. Klicken Sie auf "Überprüfen & Drucken" und erstellen Sie automatisch Diagnoseberichte.

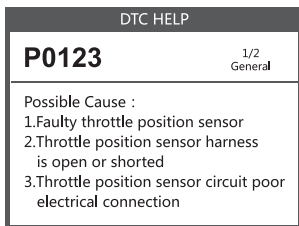


1.6 Hilfefunktion

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



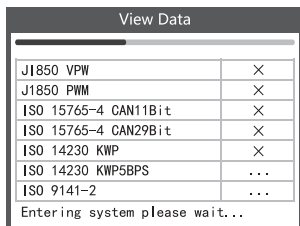
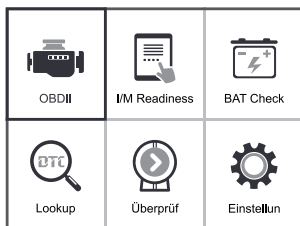
2. Wenn Benutzer das Hilfesymbol im Menü anzeigen, drücken Sie bitte die Hilfefunktionstaste, um mehr über die Codeinformationen und den Grund für diese Fehlercodes zu erfahren. Auf dem Bildschirm werden die folgenden Hilfeinformationen angezeigt:



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 ENTER, um das Hauptmenü aufzurufen. UP / DOWN-Taste zur Auswahl Diagnose aus dem Menü.



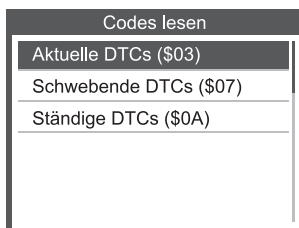
- 6) Bestätigen Sie mit ENTER.

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

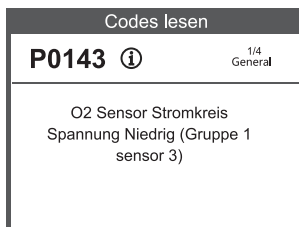
- Vergewissern Sie sich, dass die Zündung eingeschaltet ist.
- Überprüfen Sie, ob der OBD II-Stecker des Diagnose-Testgeräts fest angeschlossen ist der DLC des Fahrzeugs;
- Schalten Sie die Zündung aus und warten Sie ca. 10 Sekunden. Drehe die Die Zündung wieder einschalten und den Vorgang ab Schritt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

2.1 Codes lesen

- 1) Wählen Sie Codes lesen und drücken Sie ENTER im Diagnosemenü. Wenn einige Codes vorhanden sind, werden auf dem Bildschirm die folgenden Codes angezeigt:



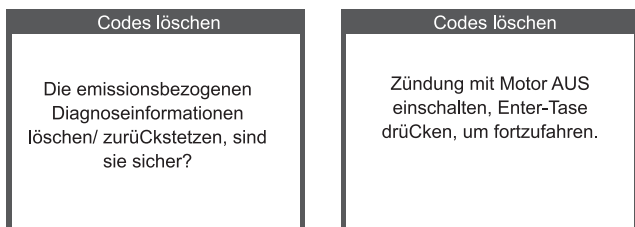
- 2) Wählen Sie gemäß der obigen Abbildung einen anderen Menüpunkt durch Drücken von UP oder DOWN und drücken Sie ENTER zur Bestätigung.



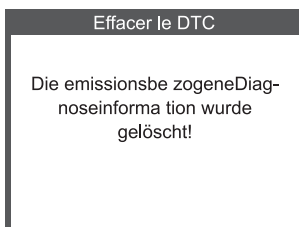
- 3) Nachdem Sie alle Codes angezeigt haben, können Sie EXIT drücken, um zum Menü zurückzukehren vorheriges Menü.

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 ENTER 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 ENTER. Auf dem Bildschirm wird angezeigt Schnittstelle wie unten gezeigt:

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

I/M Bereitschaft
Seit dem löschen von DTC
Dieser Fahrzyklus

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

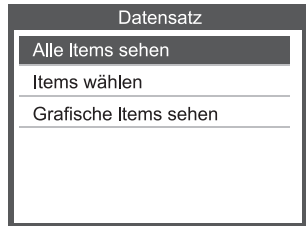
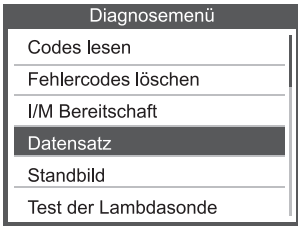
I/M Bereitschaft	
Überwachung I Fehlzünduns	N/A
Überwachung Kraf tstoffversorgung	N/A
Überwachung Bauteile	N/A
Überwachung NMHC- Katalysator	In Ordnu
Überwachung NOxNachbehandlung	INC
ÜberwachungLadedrucksystem	N/A
Überwachung Absassensor	In Ordnu
Überwachung PM-Filter	N/A
Überwachung AGR . und/oderVVT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

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

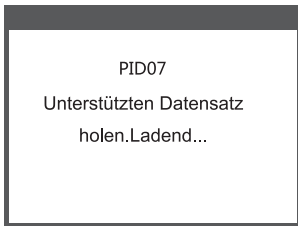
2.4 Datenstrom

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

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



Wählen Sie [View All Items] und drücken Sie die ENTER-Taste. Der Bildschirm wird angezeigt Zeigen Sie die Benutzeroberfläche wie folgt an:



FUELSYSA	OL
FUELSYSB	N/A
LOAD_PCT	0.0%
ECT	53°C
SHRTFT1	32.8%
LONGFT1	0.0%

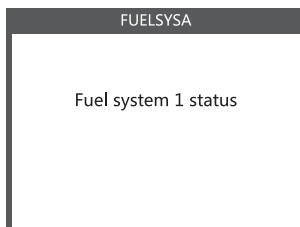
Wählen Sie [Elemente auswählen] und drücken Sie die Eingabetaste. Drücken Sie danach erneut die Eingabetaste, wie folgt:

Select Datastream	
[✓]	Fuel system 1 status
[✓]	Fuel system 2 status
[✓]	Calculated LOAD Value
[✓]	Engnie Coolant Temperature
[✓]	Short Term Fuel Trim-Bank1

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

Selected Datastream	
FUELSYSA	0L
FUELSYSB	N/A
LOAD_PCT	0. 0%
ECT	53°C
SHRTFT1	32. 8%

Wenn Sie die Abkürzungsdaten kennen möchten, drücken Sie die ENTER-Taste. Auf dem Bildschirm wird die folgende Benutzeroberfläche angezeigt:

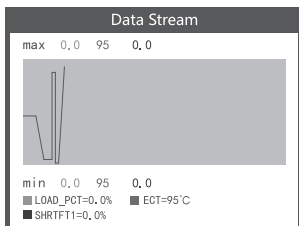


Drücken Sie die EINGABETASTE, um [Grafikelemente anzeigen] im Menü Datenstrom auszuwählen.

Nach den ausgewählten Elementen wird auf dem Bildschirm die abgebildete Benutzeroberfläche angezeigt unten:

Select Datastream	
[]	Engine Coolant Temperature
[]	Short Term Fuel Trim-Bank2
[]	Short Term Fuel Trim-Bank4
[✓]	Intake Manifold Absolute Pressure
[]	Intake Air Temperature

Drücken Sie EXIT, um zur Anzeige zurückzukehren:



Max Zeilen ist 3.

Drücken Sie EXIT, um zum vorherigen Menü zurückzukehren.

Sie können alle Datenstromelemente anzeigen oder ein bestimmtes Element der Live-Daten auswählen mit einem Diagramm.

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:

Diagnostic Menu
Read Codes
Erase Codes
I/M Readiness
Data Stream
Freeze Frame
O2 Sensor Test

On-Board Monitoring	
DTC that caused required freeze frame data storage	P2122
Fuel system 1 status	N/A
Fuel system 2 status	N/A
Calculated LOAD Value	0.0%
Engine Coolant Temperature	0°C

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

2.6 O2-Sensortest

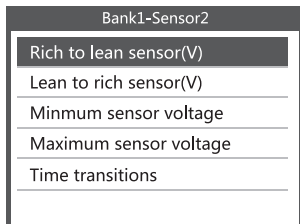
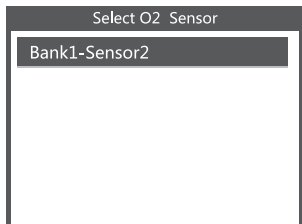
Die von der SAE festgelegten OBD II-Vorschriften verlangen, dass die entsprechenden Fahrzeuge Überwachen und testen Sie die Sauerstoffsensoren (O 2), um Probleme im Zusammenhang mit der Kraftstoffeffizienz und den Fahrzeugemissionen zu erkennen.

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 unterstützt 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".

Wählen Sie im Diagnosemenü die Option "O2-Sensortest" und drücken Sie die EINGABETASTE. Daraufhin wird der unten abgebildete Bildschirm angezeigt.

Drücken Sie die ENTER-Taste. Der Bildschirm wird wie folgt angezeigt (die Daten ändern sich jedes Mal):



2.7 Bordmonitortest

Mit dieser Funktion können die Ergebnisse der On-Board-Diagnoseüberwachung ausgelesen werden. Tests für bestimmte Komponenten / Systeme. Wählen Sie im Diagnosemenü die Option On-Board-Überwachung, und drücken Sie die EINGABETASTE. Daraufhin wird der folgende Bildschirm angezeigt (die Daten sind unterschiedlich) jedes Mal):

Diagnosemenü
On-Board-Überwachung
Test EVAP-System
Fahrzeug Information

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

Sie können mit den AUF- oder AB-Tasten einen Menüpunkt auswählen und ENTER drücken. Der Bildschirm wird wie folgt angezeigt (die Daten sind unterschiedlich) jedes Mal):

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

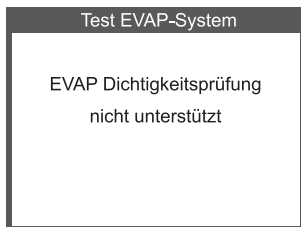
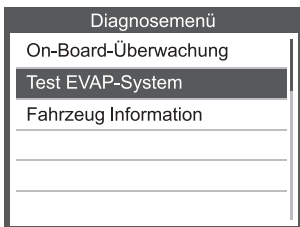
Drücken Sie EXIT, um zum Diagnosemenü zurückzukehren.

2.8 EVAP-Systemtest

Mit der EVAP-Testfunktion können Sie eine Dichtheitsprüfung für das Fahrzeug durchführen EVAP-System. Das Gerät führt keine Dichtheitsprü-

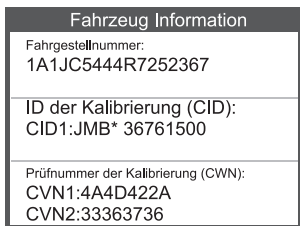
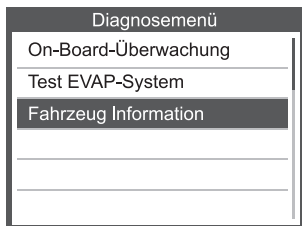
fung durch, sondern signalisiert dem Bordcomputer des Fahrzeugs, die Prüfung zu starten. Bevor Sie die Systemtestfunktion verwenden, lesen Sie das Wartungshandbuch des Fahrzeugs, um die zum Stoppen des Tests erforderlichen Verfahren zu ermitteln.

Wählen Sie EVAP-Systemtest und drücken Sie die EINGABETASTE. Auf dem Bildschirm werden die relativen Informationen zum EVAP-System angezeigt. Einige Fahrzeughersteller erlauben externen Geräten nicht, das Fahrzeugsystem zu steuern. Wenn das Auto diese Funktion unterstützt, wird Folgendes angezeigt:



2.9 Fahrzeuginfo

Wählen Sie [Fahrzeuginfo] und drücken Sie ENTER. Auf dem Bildschirm wird angezeigt Informationen wie VIN (Vehicle Identification Number), CID (Kalibrierungs-ID) und CVN (Kalibrierungsüberprüfungsnummer), wie unten gezeigt (verschiedene Fahrzeuge zeigen unterschiedliche Daten an):



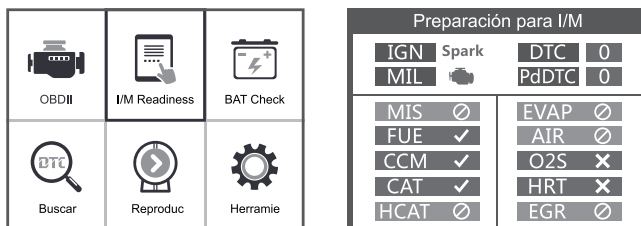
Drücken Sie EXIT, um zum Diagnosemenü zurückzukehren.

9000 Spanish Manual



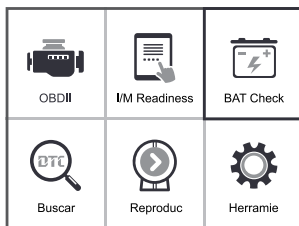
1 I / M

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 :

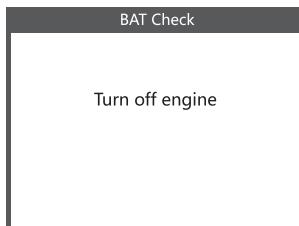


1.1 Cheque de BAT

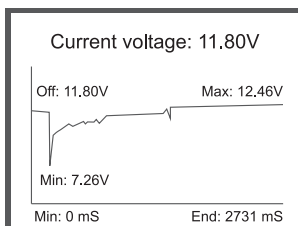
La función se utiliza para leer el voltaje de la batería en tiempo real. Desde el principal Menú, use el botón de desplazamiento HOJA / DERECHA para seleccionar el menú BAT y presione el botón ENTER. La pantalla mostrará la interfaz como se muestra a continuación:



Por favor apaga el motor.



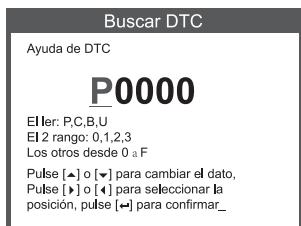
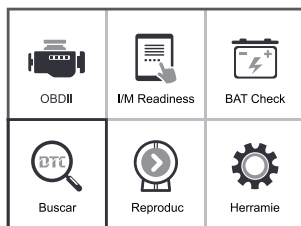
Cuando se presiona el botón [ENTER] y comienza la detección, se muestra la interfaz:



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 ENTER.

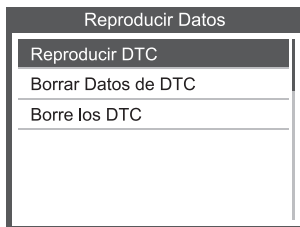
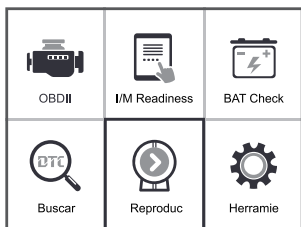


Para los códigos específicos del fabricante, deberá seleccionar una marca de vehículo en una pantalla adicional para buscar definiciones de DTC. Si no se pudo encontrar la definición (SAE o específica del fabricante), el La herramienta de escaneo muestra "¡No se encontró la definición de DTC! Por favor,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

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

1.3 Revisión

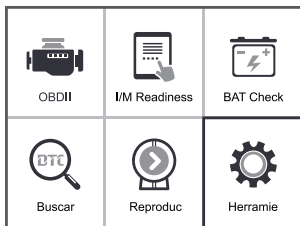
Esta función se utiliza para revisar el DTC grabado. Seleccione Revisar en el Menú principal y presione Entrar y la pantalla mostrará la interfaz como se muestra a continuación:



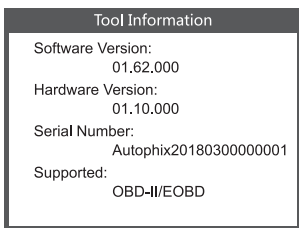
1.4 Configuración de la herramienta

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

- 1) Select Language: selecciona el idioma deseado.
- 2) Unit of Measure: establezca la medida en inglés o métrico.
- 3) Beep Set: Activa / desactiva el pitido.
- 4) Record: ON / OFF el registro.
- 5) Feedback.
- 6) About: Información del producto.

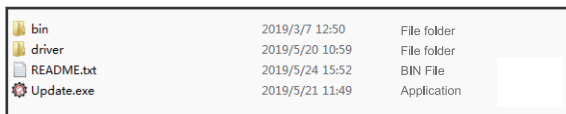


Elija [About] y se muestra como sigue :

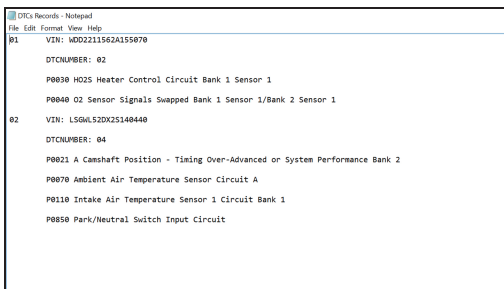
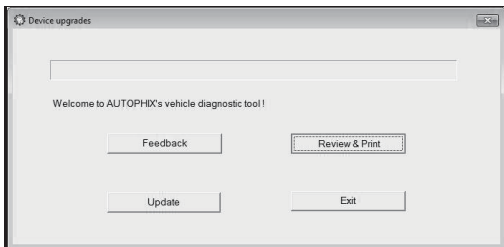


1.5 Revisar e imprimir informes de diagnóstico

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

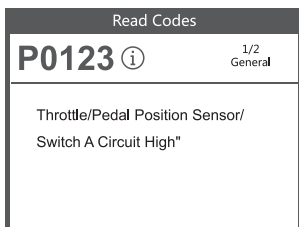


4. Haga clic en "Revisar e imprimir" y genere automáticamente los informes de diagnóstico.

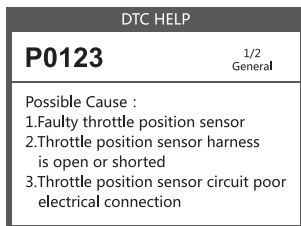


1.6 Función de ayuda

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



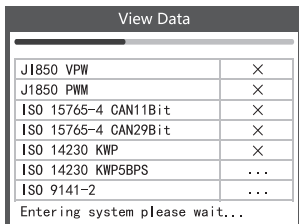
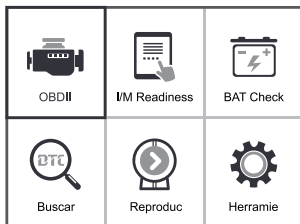
2.Si los usuarios ven la imagen del ícono de ayuda en el menú, presione la tecla de función de ayuda, puede leer más sobre la información de los códigos y por qué ocurrió este error. La pantalla mostrará la información de ayuda como se muestra a continuación:



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 ENTER para entrar al Menú Principal. Botón ARRIBA / ABAJO para seleccionar Diagnóstico desde el menú.



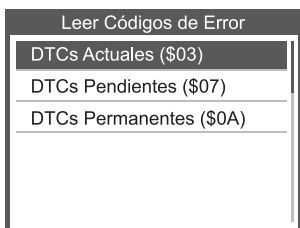
- 6) Presione ENTER para confirmar.

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

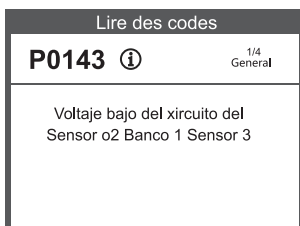
- Verifique que el encendido esté en ON;
- Compruebe si el conector OBD II de la herramienta de escaneo está bien conectado a el DLC del vehículo;
- Apague la ignición y espere unos 10 segundos. Gire el encienda nuevamente en 'on' y repita el procedimiento desde el paso 5.

2.1 leer códigos

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



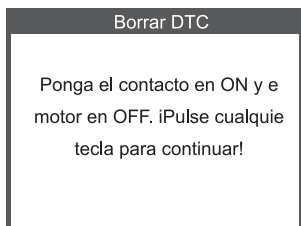
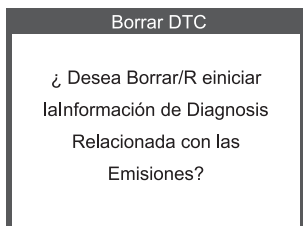
2) De acuerdo con la figura anterior para seleccionar un elemento diferente, presione ARRIBA o ABAJO y presione ENTER para confirmar.



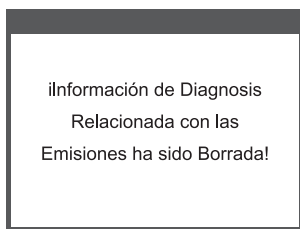
3) Después de ver todos los códigos, puede presionar SALIR para regresar a la menú anterior.

2.2 Borrar códigos

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



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

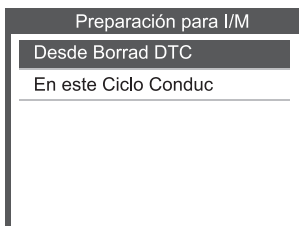
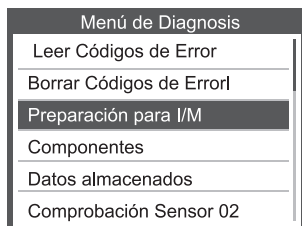


Notas:

- 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 ENTER, 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 ENTER, que se muestra a continuación:

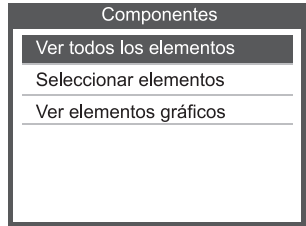
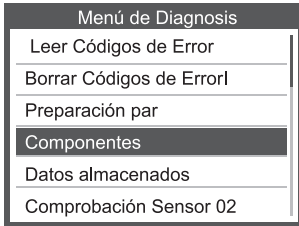
Preparación para I/M	
Fallos de Encendido	N/A
Sistema de Combustible	N/A
Control de Componente	N/A
CatalizadorIMHC	OK
post-tratamiento del NOX	TMO
Sistema de Presión del Turbo	N/A
Sensor de Cas de Escape	OK
Filtro PM	N/A
Sistema EGR y/o VVT	N/A

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

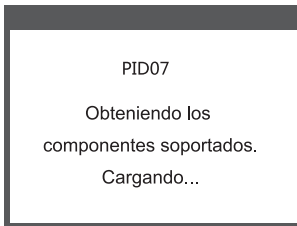
2.4 Flujo de datos

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

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



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



FUELSYSA	0L
FUELSYSB	N/A
LOAD_PCT	0.0%
ECT	53°C
SHRTFT1	32.8%
LONGFT1	0.0%

Elija [seleccionar artículos] y presione el botón de entrar. Después de eso, presiona enter botón de nuevo, que se muestra a continuación:

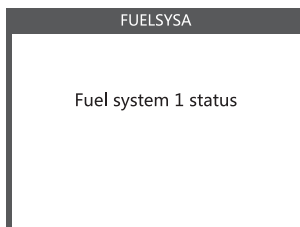
Select Datastream

<input checked="" type="checkbox"/>	Fuel system 1 status
<input checked="" type="checkbox"/>	Fuel system 2 status
<input checked="" type="checkbox"/>	Calculated LOAD Value
<input checked="" type="checkbox"/>	Engnie Coolant Temperature
<input checked="" type="checkbox"/>	Short Term Fuel Trim-Bank1

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

Selected Datastream	
FUELSYSA	0L
FUELSYSB	N/A
LOAD_PCT	0. 0%
ECT	53°C
SHRTFT1	32. 8%

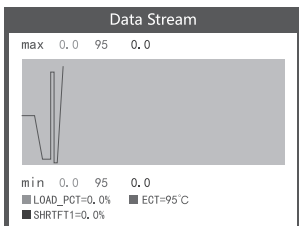
Si desea conocer los medios de los datos de abreviatura, puede pulsar Botón ENTER, la pantalla mostrará la interfaz como se muestra a continuación:



Presione ENTER para seleccionar [Ver elementos gráficos] en el menú de flujo de datos, después de los elementos seleccionados, la pantalla mostrará la interfaz como se muestra abajo:

Select Datastream	
[]	Engine Coolant Temperature
[]	Short Term Fuel Trim-Bank2
[]	Short Term Fuel Trim-Bank4
[✓]	Intake Manifold Absolute Pressure
[]	Intake Air Temperature

Presione SALIR para volver a mostrar:



Las líneas máximas son 3.

Presione SALIR para regresar al menú anterior.

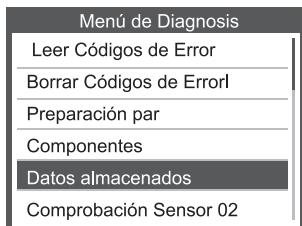
Puede ver todos los elementos de flujo de datos o seleccionar un determinado elemento de datos en vivo con una gráfica.

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:



The screenshot shows the 'On-Board Monitoring' interface with the following data:

DTC that caused required freeze frame data storage	P2122
Fuel system 1 status	N/A
Fuel system 2 status	N/A
Calculated LOAD Value	0.0%
Engine Coolant Temperature	0°C

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

2.6 prueba de sensor de O2

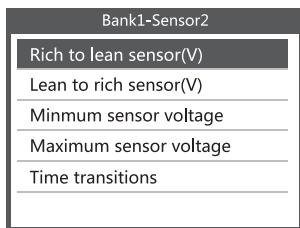
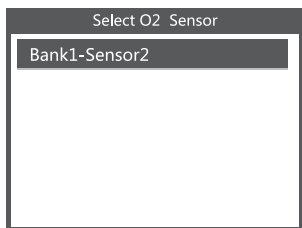
Las regulaciones OBD II establecidas por la SAE requieren que los vehículos relevantes monitorear y probar los sensores de oxígeno (O 2) para identificar problemas relacionados con la eficiencia del combustible y las emisiones del vehículo. Estas pruebas no son pruebas a pedido y se realizan automáticamente 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".

Seleccione O2 Sensor Test en el menú Diagnóstico y presione ENTER y la tecla La pantalla se mostrará como se muestra a continuación.

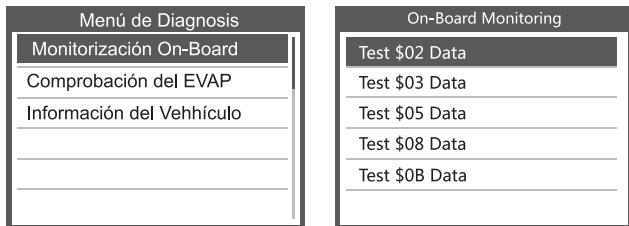
Presione el botón ENTER, la pantalla se mostrará como se muestra a continuación (los datos ser diferente cada vez):



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.

Seleccione Monitoreo a bordo en el Menú de diagnóstico y presione ENTER y la pantalla se mostrará como se muestra a continuación (los datos serán diferentes cada vez):



Seleccione Monitoreo a bordo en el Menú de diagnóstico y presione ENTER y la pantalla se mostrará como se muestra a continuación (los datos serán diferentes cada vez):

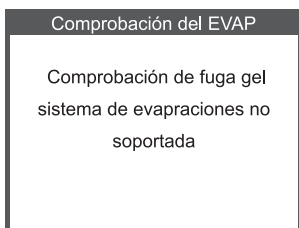
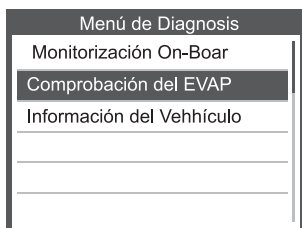
On-Board Monitoring	
Component ID	\$5e
Limit Type	Max
Test Value	33733
Minimum Limit	-----
Status	Pass

Presione SALIR para regresar al Menú de Diagnóstico.

2.8 Prueba del sistema EVAP

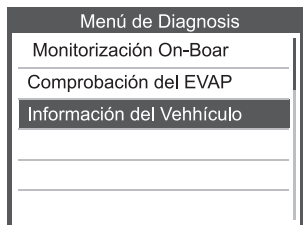
La función de prueba EVAP le permite iniciar una prueba de fugas para el vehículo Sistema EVAP. El dispositivo no realiza la prueba de fugas, pero señala a Ordenador a bordo del vehículo para iniciar la prueba. Antes de usar el función de prueba del sistema, consulte el manual de reparación del

servicio del vehículo para Determinar los procedimientos necesarios para detener la prueba. Seleccione EVAP System Test y presione ENTER, la pantalla mostrará el Información relativa sobre el sistema EVAP. Algunos fabricantes de vehículos No permita que los dispositivos externos controlen el sistema del vehículo. Si el coche Es compatible con esta función, se mostrará como a continuación:



2.9 Información del vehículo

Seleccione [Información del vehículo] y presione ENTER, la pantalla mostrará el información, como VIN (Número de identificación del vehículo), CID (ID de calibración) y CVN (número de verificación de calibración), como se muestra A continuación (diferentes coches mostrarán datos diferentes):



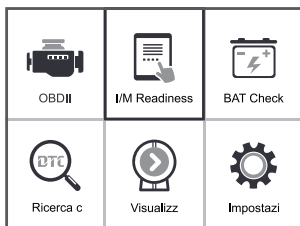
Presione SALIR para regresar al Menú de Diagnóstico.



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.

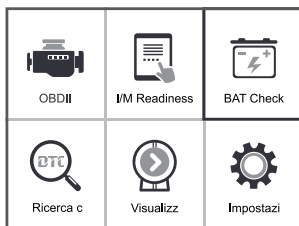
Scegli [I / M] e visualizza come segue:



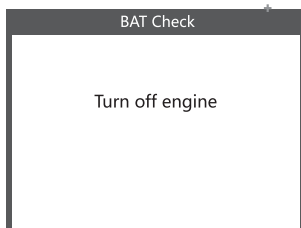
Сервисные интервалы			
IGN	Spark	DTC	0
MIL		PdDTC	0
MIS	<input type="checkbox"/>	EVAP	<input type="checkbox"/>
FUE	<input checked="" type="checkbox"/>	AIR	<input type="checkbox"/>
CCM	<input checked="" type="checkbox"/>	O2S	<input checked="" type="checkbox"/>
CAT	<input checked="" type="checkbox"/>	HRT	<input checked="" type="checkbox"/>
HCAT	<input type="checkbox"/>	EGR	<input type="checkbox"/>

1.1 Controllo BAT

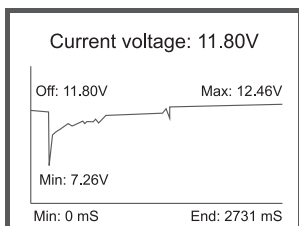
La funzione viene utilizzata per leggere la tensione della batteria in tempo reale. Dal principale Menu, utilizzare il pulsante di scorrimento LEAF / RIGHT per selezionare il menu BAT e premere il tasto ENTER. lo schermo mostrerà l'interfaccia come mostrato di seguito:



Si prega di spegnere il motore.



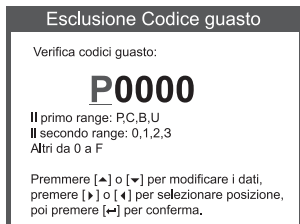
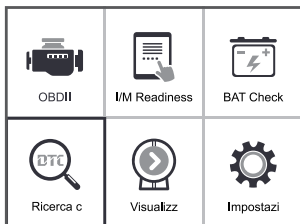
Quando premi il pulsante [ENTER] e avvia il rilevamento, è l'interfaccia di visualizzazione:



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 INVIO.



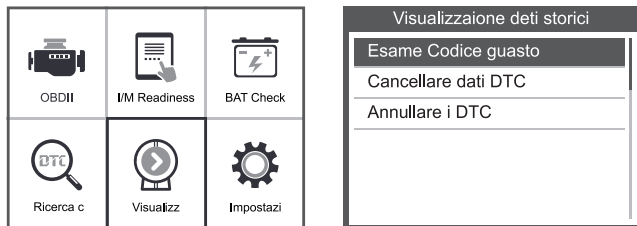
Per i codici specifici del produttore, dovrai selezionare una marca di veicolo su una schermata aggiuntiva per cercare le definizioni DTC.

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 EXIT.

1.3 Revisione

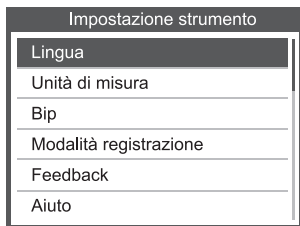
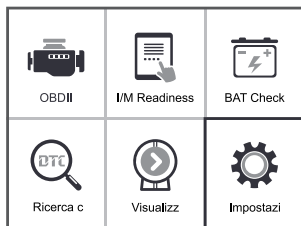
Questa funzione viene utilizzata per rivedere il DTC registrato. Seleziona Controlla nel Menu principale e premere Invio e lo schermo visualizzerà l'interfaccia come mostrato di seguito:



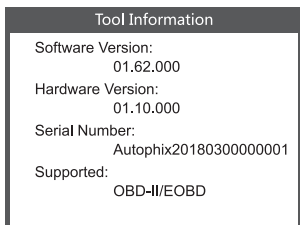
1.4 Configurazione dello strumento

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

- 1) Seleziona lingua: seleziona la lingua desiderata.
- 2) Unità di misura: impostare la misura su inglese o metrica.
- 3) Set beep: attiva / disattiva il segnale acustico.
- 4) Registra: ON / OFF la registrazione.
- 5) Feedback.
- 6) Informazioni su: informazioni sul prodotto.

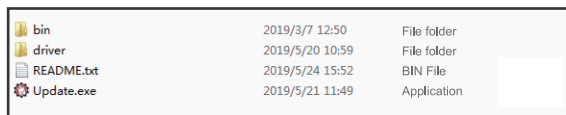


Scegli [About] e visualizza come segue:

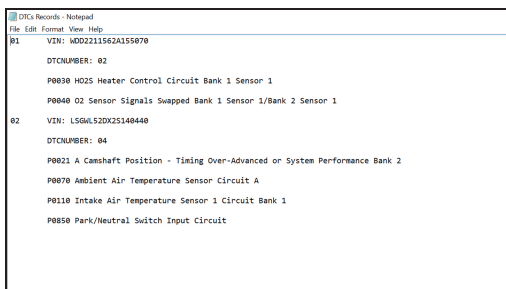
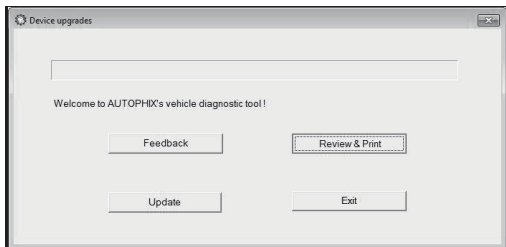


1.5 Controlla e stampa i report diagnostici

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

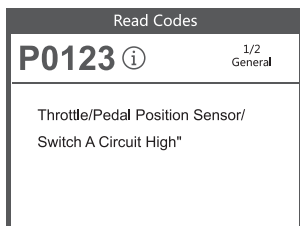


4. Fare clic su "Controlla e stampa" e generare automaticamente rapporti diagnostici.

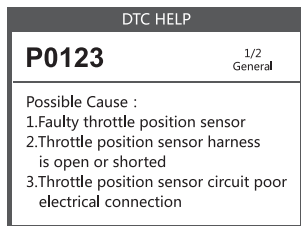


1.6 Funzione di guida

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



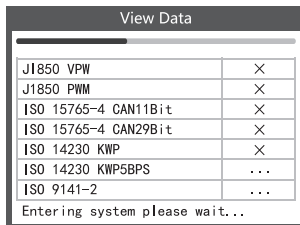
2. Se gli utenti visualizzano l'immagine dell'icona di aiuto nel menu, premere il tasto funzione di aiuto, può leggere di più sulle informazioni sui codici e sul motivo per cui si sono verificati questi codici di errore. Lo schermo mostrerà le informazioni della guida come mostrato di seguito:



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.



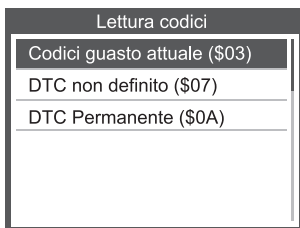
- 6) Premere ENTER per confermare.

Se "LINKING ERROR!" messaggio visualizzato sul display.

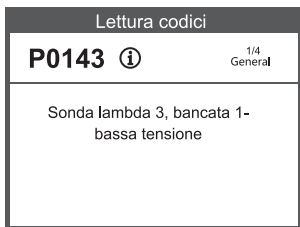
- Verificare che l'accensione sia su ON;
- Controllare se il connettore OBD II dello strumento di scansione è collegato saldamente al DLC del veicolo;
- Disinserire l'accensione e attendere circa 10 secondi. Gira il riaccendere su 'on' e ripetere la procedura dal punto 5.

2.1 Codici di lettura

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



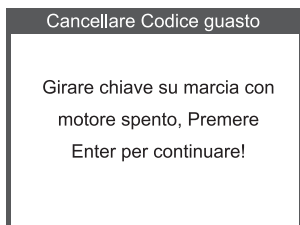
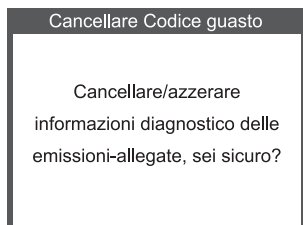
2) In base alla figura sopra, selezionare una voce diversa premendo UP o DOWN e premere ENTER per confermare.



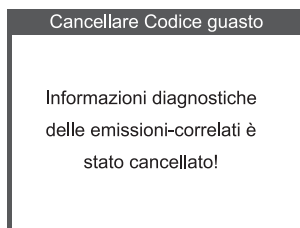
3) Dopo aver visto tutti i codici, è possibile premere EXIT per tornare al menu menu precedente.

2.2 Cancella codici

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



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

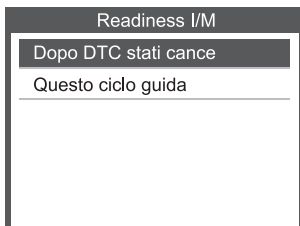
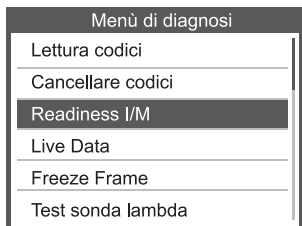


Gli appunti:

- 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 ENTER, lo schermo mostrerà il interfaccia come mostrato di seguito:



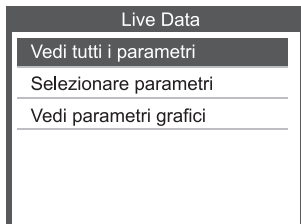
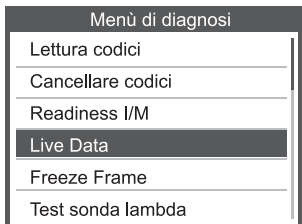
La disponibilità I / M è di testare Misfire / Fuel system / Comprehensive componente, è possibile utilizzare i pulsanti SU o GIÙ per selezionare e premere INVIO, mostrato come segue:

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

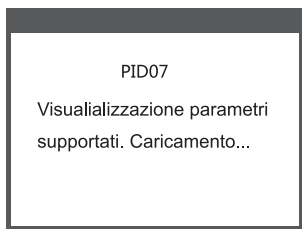
N / A significa non disponibile su questo veicolo, INC significa incompleto o no pronto, OK significa Completato o Monitor Ok.

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 ENTER per confermare, lo schermo sarà mostra l'interfaccia come mostrato di seguito:



Selezionare [Visualizza tutti gli elementi] e premere il pulsante ENTER, lo schermo sarà mostra l'interfaccia come mostrato di seguito:



FUELSYSA	0L
FUELSYSB	N/A
LOAD_PCT	0.0%
ECT	53°C
SHRTFT1	32.8%
LONGFT1	0.0%

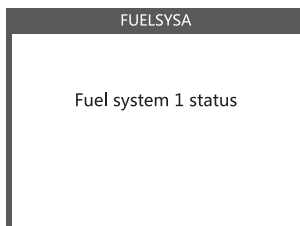
Scegli [seleziona elementi] e premi il pulsante Invio. Quindi, premere Invio di nuovo, come mostrato di seguito:

Select Datastream	
[✓]	Fuel system 1 status
[✓]	Fuel system 2 status
[✓]	Calculated LOAD Value
[✓]	Engnie Coolant Temperature
[✓]	Short Term Fuel Trim-Bank1

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

Selected Datastream	
FUELSYSA	0L
FUELSYSB	N/A
LOAD_PCT	0. 0%
ECT	53°C
SHRTFT1	32. 8%

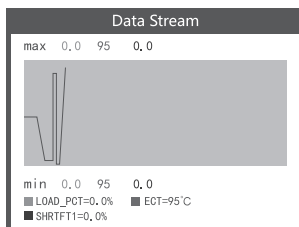
Se si desidera conoscere i mezzi dei dati di abbreviazione, è possibile premere il tasto Tasto ENTER, lo schermo mostrerà l'interfaccia come mostrato di seguito:



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

Select Datastream	
[]	Engine Coolant Temperature
[]	Short Term Fuel Trim-Bank2
[]	Short Term Fuel Trim-Bank4
[✓]	Intake Manifold Absolute Pressure
[]	Intake Air Temperature

Premere EXIT per tornare alla visualizzazione:



Le linee massime sono 3.

Premere EXIT per tornare al menu precedente.

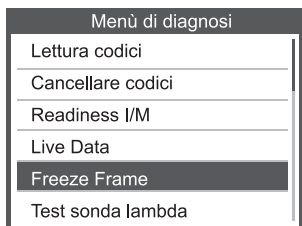
È possibile visualizzare tutti gli elementi del flusso di dati o selezionare un determinato elemento di dati live con un grafico.

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:



On-Board Monitoring	
DTC that caused required freeze frame data storage	P2122
Fuel system 1 status	N/A
Fuel system 2 status	N/A
Calculated LOAD Value	0.0%
Engine Coolant Temperature	0°C

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

2.6 Test del sensore O2

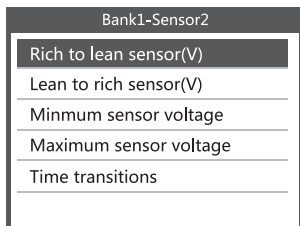
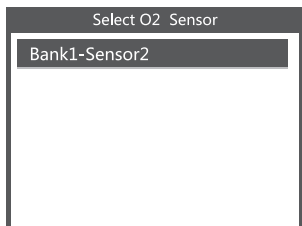
I regolamenti OBD II stabiliti dalla SAE richiedono che i veicoli interessati monitorare e testare i sensori di ossigeno (O2) per identificare i problemi relativi all'efficienza del carburante e alle emissioni dei veicoli. Questi test non sono test su richiesta e vengono eseguiti automaticamente quando 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".

Selezionare Test sensore O2 nel menu Diagnostica e premere ENTER e il tasto Lo schermo verrà visualizzato come mostrato di seguito.

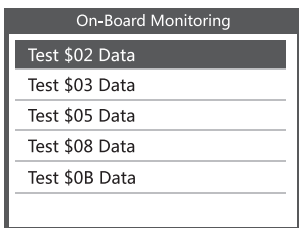
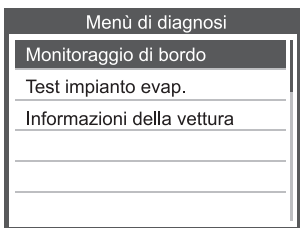
Premere il pulsante ENTER, lo schermo verrà visualizzato come mostrato di seguito (i dati verranno visualizzati essere diverso ogni volta):



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.

Selezionare Monitoraggio integrato nel menu Diagnostica e premere INVIO e lo schermo verrà visualizzato come mostrato di seguito (i dati saranno diversi ogni volta):



È possibile utilizzare il pulsante SU o GIÙ per selezionare una voce e premere INVIO, lo schermo verrà visualizzato come mostrato di seguito (i dati saranno diversi ogni volta):

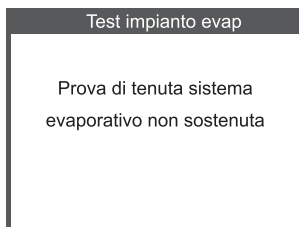
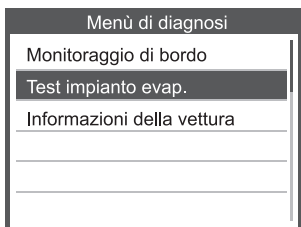
On-Board Monitoring	
Component ID	\$5e
Limit Type	Max
Test Value	33733
Minimum Limit	-----
Status	Pass

Premere ESCI per tornare al menu di diagnostica.

2.8 Test del sistema EVAP

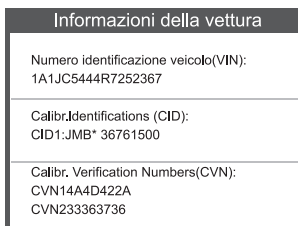
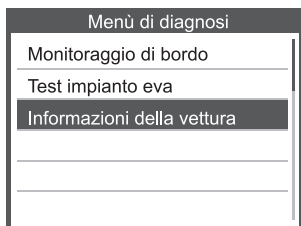
La funzione di test EVAP consente di avviare un test di tenuta per il veicolo Sistema EVAP. Il dispositivo non esegue il test di tenuta, ma segnala al

computer di bordo del veicolo per avviare il test. Prima di usare il funzione di test del sistema, consultare il manuale di riparazione del veicolo a determinare le procedure necessarie per interrompere il test. Selezionare EVAP System Test e premere ENTER, lo schermo mostrerà il informazioni relative sul sistema EVAP. Alcuni produttori di veicoli non consentire a dispositivi esterni di controllare il sistema del veicolo. Se la macchina supporta questa funzione, verrà visualizzato come di seguito:



2.9 Informazioni sul veicolo

Selezionare [Informazioni veicolo] e premere ENTER, lo schermo mostrerà il informazioni quali VIN (Vehicle identification Number), CID (ID di calibrati- one) e CVN (numero di verifica della calibrati- one), come mostrato sotto (diverse auto mostreranno dati diversi):



Premere ESCI per tornare al menu di diagnostica.

Warranty and Service

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AUTOPHIX electronic product is warranted against defects in materials and workmanship for one year (12 months) from 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 AUTOPHIX shall not be liable for any consequential or incidental damages.

Final determination of defects shall be made by AUTOPHIX in accordance with procedures established by AUTOPHIX. No agent, employee, or representative of AUTOPHIX has any authority to bind AUTOPHIX to any affirmation, representation, or warranty concerning AUTOPHIX automotive meters, except as stated herein.

Service Procedures

If you have any questions, please contact your local store, distributor or visit our website [www. autophix.com](http://www.autophix.com) .

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

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