



User's Manual

VD500



Safety precautions

To avoid body injury and damage to the device or your car, please read this manual carefully before using VD500.

The testing process described in the manual is generally the experience of technician. Safety precaution is required in most of the process to avoid body injury and damage to the device or your car. Read the vehicle maintenance manual before use this device and follow safety precautions.

- It generates CO and other poisonous air when engine is running. To avoid this kind of hurt, please repair the car in a well-air-ventilated place.
- When the engine is running, many parts (such as the coolant fan, pulleys, fan belt etc.) rotate at high speed. To avoid serious injury, always be aware of moving parts. Keep a safe distance from these parts as well as other potentially moving objects.
- Engine parts become very hot when the engine is running. Don't touch hot engine parts to avoid severe burns.
- Fuel and battery vapors are highly flammable. To prevent an explosion, keep all sparks, heated items and open flames away from the battery and fuel/ fuel vapors. Do not smoke near the vehicle during testing.

About VD500

1. Coverage

1.1 Supports for VW, AUDI, SKODA and SEAT, etc.

- 1) VD500 covers all 12V models.
- 2) It can test all protocols of UDS, TP20, TP16, KWP2000 and KWP1281.

1.2 Function Coverage

Basic functions:

- Read version information
- Read fault codes
- Erase fault codes

Special functions:

- Throttle Adaptation
- Service reset
- EPB Replace Brake pads

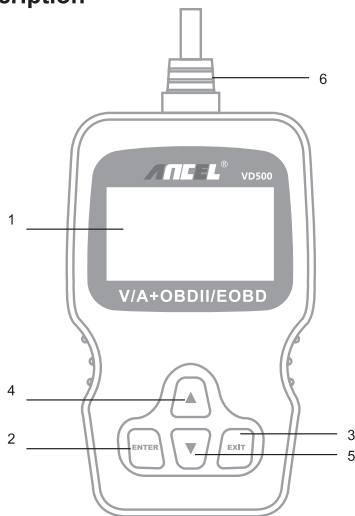
2. Specifications

- 1) Display: Backlit, 128 × 64 pixels display with contrast adjustment
- 2) Operating Temperature: 0 to 60°C (32 to 140°F)
- 3) Storage Temperature: -20 to 70°C (-4 to 158°F)
- 4) External Power: 8.0 to 18.0 V power provided via vehicle battery
- 5) Dimensions: 128*79*29 mm

3. Included

- 1) Scan Tool main unit
- 2) User's Manual
- 3) USB cable

4.Tool Description



1. LCD DISPLAY – Indicate test results. Backlit, 128 x 64 pixels display with contrast adjustment.

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. It is also used for exit DTC Lookup screen.

4. UP SCROLL BUTTON – Move up through menu and submenu items in menu mode. When more than one screen of data is retrieved, move up through the current screen to the previous screens for additional data.

5. DOWN SCROLL BUTTON – Move down through menu and submenu items in menu mode. When more than one screen of data is retrieved, move down through the current screen to next screens for additional data.

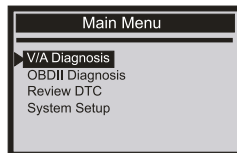
6. OBD II CONNECTOR – Connect the scan tool to the vehicle's Data Link Connector (DLC).

Operation instructions

1. Connect VD500

1.1 Turn the ignition on.

1.2 Locate the vehicle's 16-pin Data Link Connector (DLC).



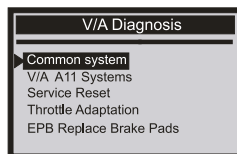
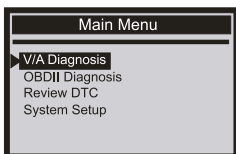
1.3 Main menu

- V/ A Diagnosis
- OBDII Diagnosis
- Review DTC
- System Setup

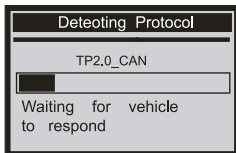
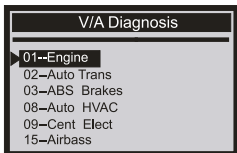
2. VD500 Features

2.1 V / A

Choose [V/A Diagnosis] then press [ENTER] button. The screen will display as follows:

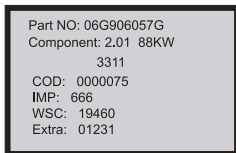
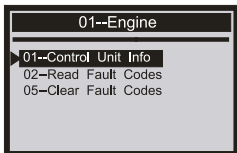


Press the following Engine system it will display as below:
 Select [01- Engine], press [ENTER] button will enter the engine diagnostic interface



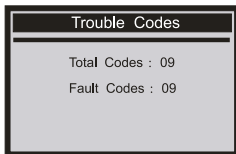
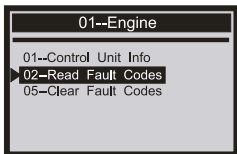
2.1.1 Read ECU Info

Choose [01-Control Unit Info] then press [ENTER] button. It will display as follows:



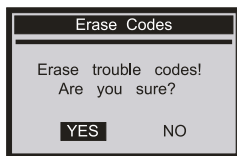
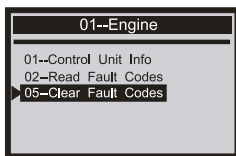
2.1.2 Read Fault Codes

Choose [02-Read Fault Codes] then press [ENTER] button. The screen will display fault codes as below:
 Move [up] or [down] button to check fault code.



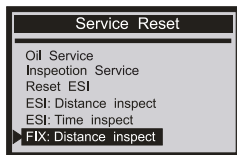
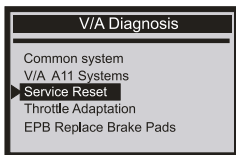
2.1.3 Clear Fault codes

Choose [05-Clear Fault Codes]. The screen will display as follows:



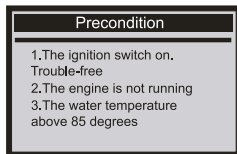
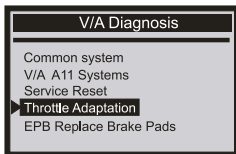
2.1.4 Service reset

Choose [Service reset] and then press [ENTER] button. The screen will display as follows:



2.1.5 Throttle Adaptation

Choose [Throttle Adaptation] then press [ENTER] button. The screen will display as the follows:



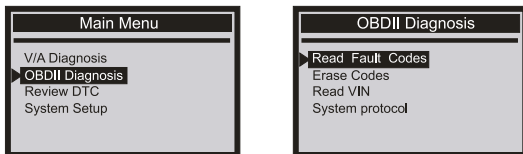
2.1.6 EPB Replace Brake pads

Choose [EPB Replace Brake pads] then press [ENTER] button.
The screen will display as follows:



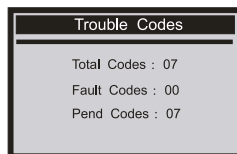
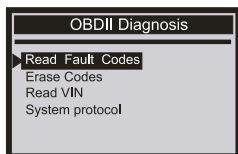
2.2 OBDII

Choose [OBDII Diagnosis] then press [enter] button. The screen will display as follows:

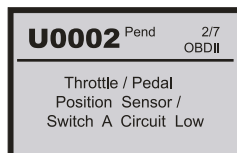
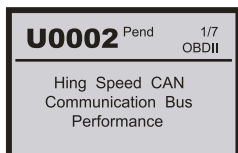


2.2.1 Read Fault codes

This function read DTCs from the vehicle's computer modules, there are two types of codes: Malfunction Indicator Lamp(MIL) Codes and pending codes MIL Codes: These codes cause the computer to illuminate the MIL when an emission related or drive ability fault occurs. The MIL is also known as the “service Engine Soon” or “Check Engine Lamp” MIL codes remain in the vehicle's memory until the fault is repaired.
Select [Read Fault Codes] and press [ENTER] button, The VD500retrieves the DTCs stored in the vehicle's computer modules. If there is fault, the number of fault codes will be displayed as follows:

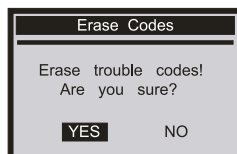
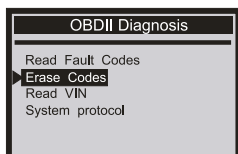


Press [ENTER] to view trouble codes. if there are more than two fault code, you can press up or down button to choose and read fault codes.



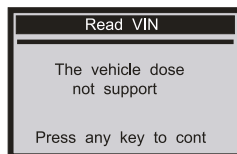
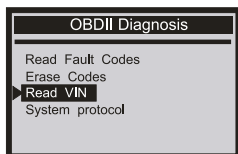
2.2.2 Erase Codes

Select [Erase Codes] and press the [ENTER] button. The screen will display as follows:

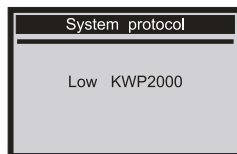
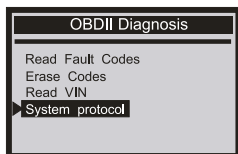


2.2.3 Read VIN codes

Select [VIN Codes] and press the [ENTER] button.

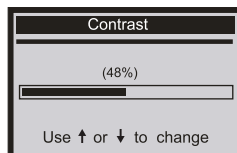
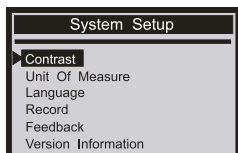


Choose [System protocol] and it displays as follows:



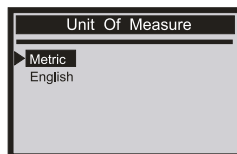
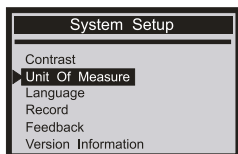
3. Contrast

Choose [Contrast] and it displays as follows:



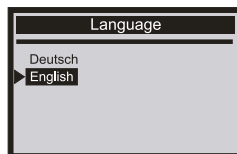
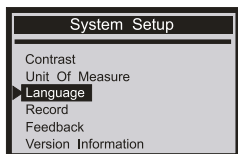
4. Unit Of Measure

Choose [Unit of Measure] and it displays as follows:



5. Language

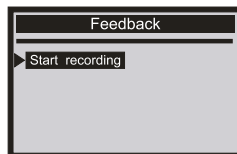
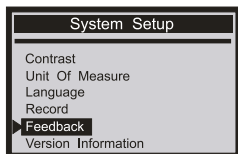
Choose [Language] and it displays as follows:



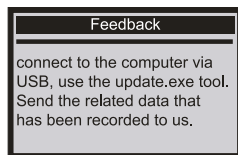
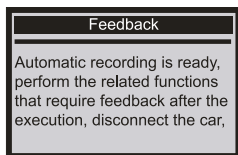
6. Feedback

**NOTE: Must open the [start recording] function every time.
The previous record will be deleted when you open the feedback.**

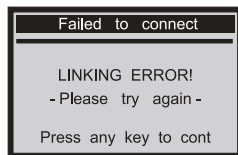
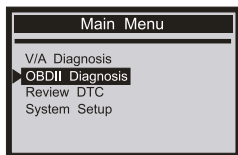
Choose Feedback and it displays as follows:



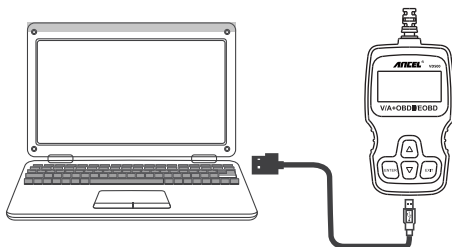
Choose [Start recording] and it displays as follows :



Next : Press EXIT Button several times and return to the main menu. For example: If there is something wrong with OBDII diagnosis during testing, choose [OBDII Diagnosis] menu to detecting again and it will record the data.



Download upgrade file on the computer from ANCEL website. Connect device with computer through USB cable.



Open the upgrade files ,choose “Update”.

Name	Date modified	Type	Size
bin	2017/1/9 15:13	File folder	
driver	2017/1/9 15:03	File folder	
README.txt	2017/1/9 14:57	Text Document	1 KB
Update.exe	2017/1/9 21:08	Application	8,134 KB

Click “Feedback”



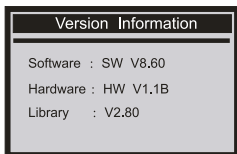
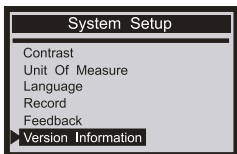
Send the Feedback.bin text to support@anceltech.com .

bin	2017/6/19 19:53
driver	2017/6/19 19:53
Feedback.bin	2017/6/15 20:16
help	2017/1/18 13:13
note	2017/6/19 19:55
README	2017/6/15 20:09
update	2017/5/9 11:51

Remark: In the above steps, keep the tool connect with computer.

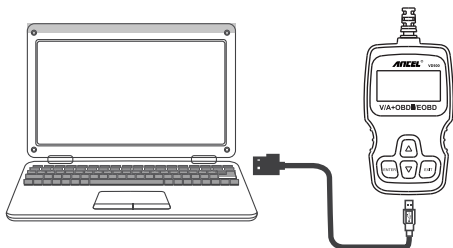
7. Version Information

Choose [Version Information] and it displays as follows:



8. 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.

Précautions de sécurité

Pour éviter les blessures corporelles et les dommages à l'appareil ou à votre voiture, veuillez lire attentivement ce manuel avant d'utiliser le VD500.

Le processus de test décrit dans le manuel est généralement l'expérience d'un technicien. Des précautions de sécurité sont nécessaires dans la plupart du processus pour éviter les blessures corporelles et les dommages à l'appareil ou à votre voiture. Lisez le manuel d'entretien du véhicule avant d'utiliser cet appareil et respectez les consignes de sécurité.

- Il génère du CO et de l'air toxique lorsque le moteur tourne. Pour éviter ce type de blessure, veuillez réparer la voiture dans un endroit bien aéré.
- Lorsque le moteur tourne, de nombreuses pièces (telles que le ventilateur de refroidissement, les poulies, la courroie du ventilateur, etc.) tournent à grande vitesse. Pour éviter des blessures graves, faites toujours attention aux pièces mobiles. Gardez une distance de sécurité de ces pièces ainsi que d'autres objets potentiellement mobiles.
- Les pièces du moteur deviennent très chaudes lorsque le moteur tourne. Ne touchez pas les pièces chaudes du moteur pour éviter de graves brûlures.
- Les vapeurs de carburant et de batterie sont hautement inflammables. Pour éviter une explosion, gardez toutes les étincelles, objets chauffés et flammes nues loin de la batterie et du carburant / vapeurs de carburant. Ne fumez pas près du véhicule pendant les tests.

À propos de VD500

1. couverture

1.1 Supports pour VW, AUDI, SKODA et SEAT, etc.

- 1) Le VD500 couvre tous les modèles 12V.
- 2) Il peut tester tous les protocoles de UDS, TP20, TP16, KWP2000 et KWP1281.

1.2 Couverture de fonction

Les fonctions de base:

- Lire les informations de version
- Lire les codes de défaut
- Effacer les codes d'erreur

Fonctions spéciales:

- Adaptation du papillon
- Réinitialisation du service
- EPB Remplacer les plaquettes de frein

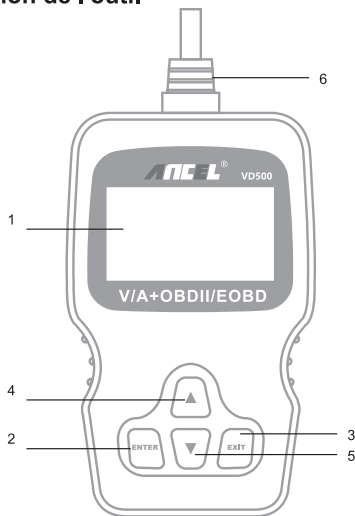
2. Spécifications

- 1) Affichage: Écran rétro-éclairé de 128 × 64 pixels avec réglage du contraste
- 2) Température de fonctionnement: 0 to 60°C (32 to 140°F)
- 3) Température de stockage: -20 to 70°C (-4 to 158°F)
- 4) Alimentation externe: 8,0 à 18,0 V fournie via la batterie du véhicule
- 5) Dimensions: 128*79*29 mm

3. inclus

- 1) Unité principale de l'analyseur
- 2) Manuel de l'utilisateur
- 3) USB câble

4. Description de l'outil



- 1. LCD DISPLAY - Indique les résultats du test. Rétro-éclairé, 128 x 64 pixels affichage avec réglage du contraste
- 2. TOUCHE ENTER - Permet de confirmer une sélection (ou une action) dans un menu.
- 3. BOUTON SORTIE - Annule une sélection (ou une action) d'un menu ou retourne au menu. Il est également utilisé pour quitter l'écran de recherche DTC.
- 4. BOUTON DE DÉFILEMENT - Défilement vers le haut dans les éléments de menu et de sous-menu en mode menu. Lorsque plusieurs écrans de données sont récupérés, déplacez haut de l'écran actuel aux écrans précédents pour des données supplémentaires.

5. BOUTON DE DÉFILEMENT VERS LE BAS - Permet de naviguer dans le menu éléments de sous-menu en mode menu. Lorsque plus d'un écran de données est récupéré, déplacez-vous de l'écran actuel vers les écrans suivants pour donnée supplémentaire.

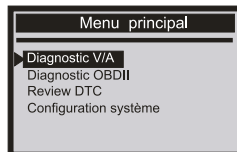
6. CONNECTEUR OBD II - Connectez l'outil de numérisation au véhicule Connecteur de liaison de données (DLC)

d'utilisation Instructions

1. Connectez VD500

1.1 Mettez le contact.

1.2 Localisez le connecteur de liaison de données (DLC) à 16 broches du véhicule.



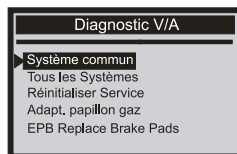
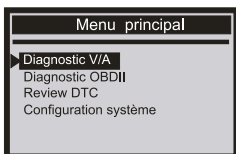
1.3 Principal menu

- V / A Diagnostic
- OBDII Diagnostic
- Review DTC
- Installation du système

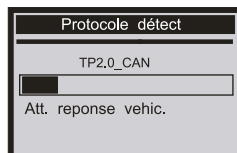
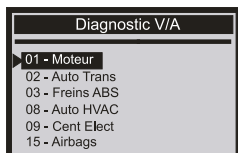
2. Caractéristiques du VD500

2.1 V / A

Choisissez [Diagnostic V / A] puis appuyez sur le bouton [ENTER].
L'écran s'affiche comme suit:

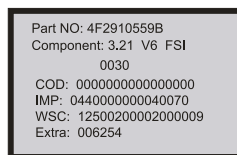
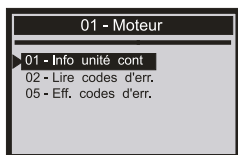


Appuyez sur le système de moteur suivant, il s'affichera comme suit:
Sélectionnez [01- Engine], appuyez sur le bouton [ENTER] pour accéder à l'interface de diagnostic du moteur.



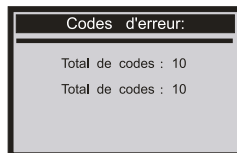
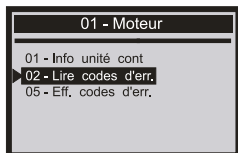
2.1.1 Lire les informations en écus

Choisissez [01-Control Unit Info], puis appuyez sur le bouton [ENTER]. Il s'affichera comme suit:



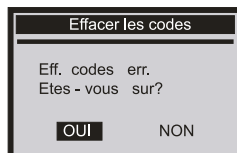
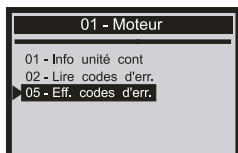
2.1.2 Lire les codes d'erreur

Choisissez [02-Read Fault Codes] puis appuyez sur le bouton [ENTER]. Le L'écran affichera les codes d'erreur comme ci-dessous:
Déplacez le bouton [haut] ou [bas] pour vérifier le code d'erreur.



2.1.3 Effacer les codes d'erreur

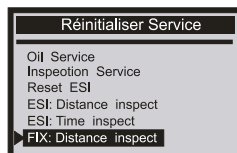
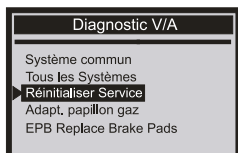
Choisissez [05-Clear Fault Codes]. L'écran s'affiche comme suit:



2.1.4 Réinitialisation du service

Choisissez [Service reset] puis appuyez sur le bouton [ENTER].

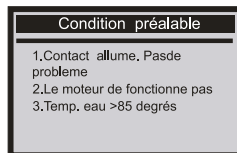
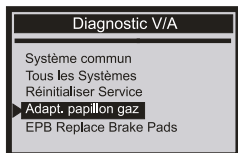
L'écran s'affiche comme suit:



2.1.5 Adaptation de la manette des gaz

Choisissez [Adaptation de la manette], puis appuyez sur le bouton [ENTER].

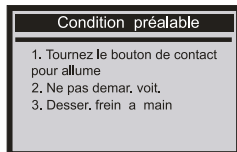
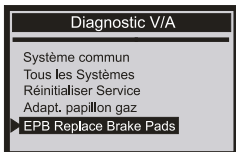
L'écran s'affiche comme suit:



2.1.6 EPB Remplacer les plaquettes de frein

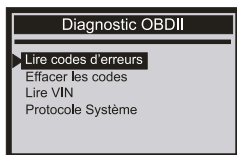
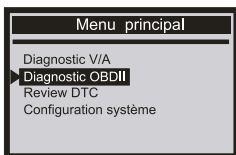
Choisissez [EPB Replace Brake pads] puis appuyez sur le bouton [ENTER].

L'écran s'affiche comme suit:



2.2 OBDII

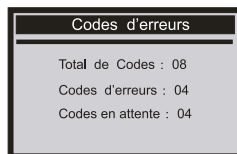
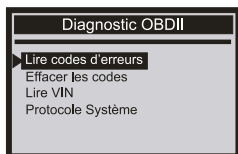
Choisissez [Diagnostic OBDII] puis appuyez sur le bouton [enter]. L'écran s'affiche comme suit:



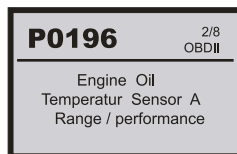
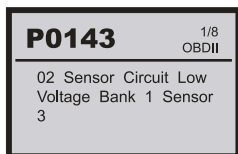
2.2.1 Lire les codes d'erreur

Cette fonction lit les DTC de l'ordinateur du véhicule. modules, il existe deux types de codes: Témoin d'anomalie (MIL) Codes et codes en attente Codes MIL: Ces codes provoquent l'ordinateur pour allumer le MIL en cas de problème d'émission ou d'aptitude à l'entraînement se produit. Le MIL est également connu sous le nom de «Service Engine Soon» ou «Check Témoin moteur », les codes MIL restent dans la mémoire du véhicule jusqu'à la faute est réparée.

Sélectionnez [Lire les codes de défaut] et appuyez sur le bouton [ENTER], le VD500 empêche le DTC stockés dans les modules informatiques du véhicule. S'il y a un défaut, le nombre de codes de défaut sera affiché comme suit:

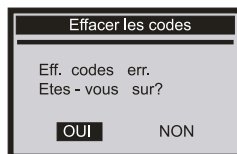
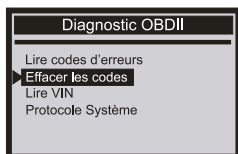


Appuyez sur [ENTER] pour afficher les codes de panne. s'il ya plus de deux codes d'erreur, vous pouvez appuyer sur le bouton haut ou bas pour choisir et lire les codes d'erreur.



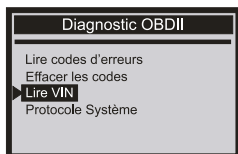
2.2.2 Effacer les codes

Sélectionnez [Erase Codes] et appuyez sur le bouton [ENTER]. L'écran s'affiche comme suit:



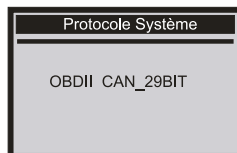
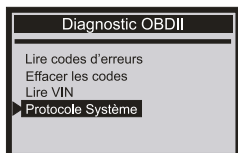
2.2.3 Lire les codes VIN

Sélectionnez [Codes VIN] et appuyez sur le bouton [ENTER].



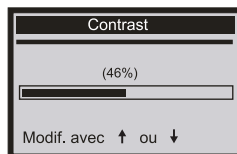
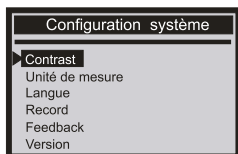
2.2.4 Protocole système

Choisissez [Protocole système] et l'affichage se présente comme suit:



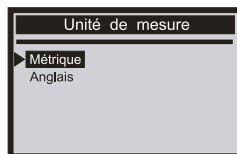
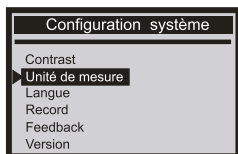
3. Contraste

Choisissez [Contraste] et l'affichage se présente comme suit:



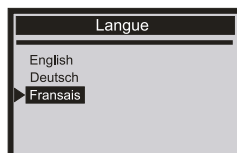
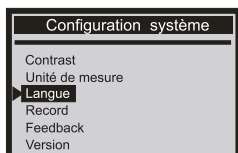
4. Unité de mesure

Choisissez [Unité de mesure] et il s'affiche comme suit:



5. Langue

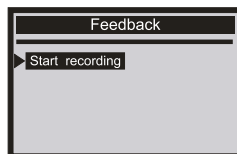
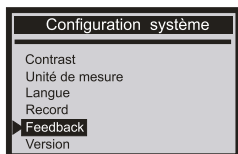
Choisissez [Langue] et cela s'affiche comme suit:



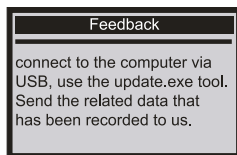
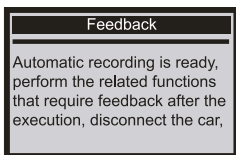
6. Feedback

REMARQUE: La fonction [démarrer l'enregistrement] doit être ouverte à chaque fois. L'enregistrement précédent sera supprimé lorsque vous ouvrez les commentaires.

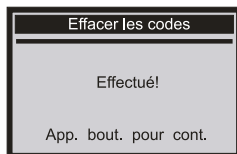
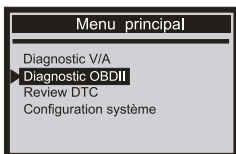
Choisissez Feedback et il s'affiche comme suit:



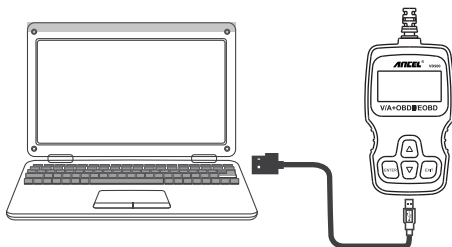
Choisissez [Démarrer l'enregistrement] et l'affichage se fait comme suit:



Suivant: Appuyez plusieurs fois sur le bouton EXIT pour revenir au menu principal. Par exemple: Si quelque chose ne va pas avec le diagnostic OBDII pendant le test, choisissez le menu [Diagnostic OBDII] pour détecter à nouveau et cela enregistrera les données.



Téléchargez le fichier de mise à niveau sur l'ordinateur à partir du site Web ANCEL. Connectez le périphérique à l'ordinateur via un câble USB.



Ouvrez les fichiers de mise à niveau, choisissez «Update».



Cliquez sur "Commentaires"



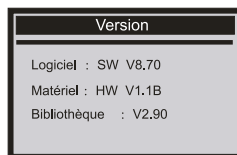
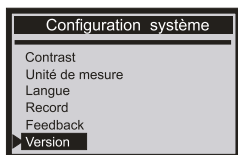
Envoyez le texte Feedback.bin à support@anceltech.com

bin	2017/6/19 19:53
driver	2017/6/19 19:53
Feedback.bin	2017/6/15 20:16
help	2017/1/18 13:13
note	2017/6/19 19:55
README	2017/6/15 20:09
update	2017/5/9 11:51

Remarque: dans les étapes ci-dessus, maintenez l'outil connecté à l'ordinateur.

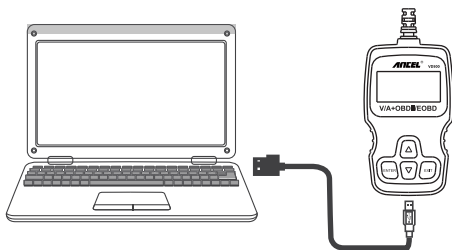
7. Informations sur la version

Choisissez [Informations sur la version] et l'affichage se présente comme suit:



8. Mise à jour

1. Veuillez connecter le périphérique et l'ordinateur avec un câble USB avant de procéder à la mise à niveau.



2. Le logiciel de mise à jour est uniquement pris en charge par Windows 7/8/10. (Win8 / 10 peut exécuter le logiciel de mise à jour directement, seul Windows 7 doit installer le pilote.)

3. Cliquez sur "install driver.bat" dans le fichier du pilote pour installer le pilote.

SAFETY PRECAUTIONS

To avoid body injury and damage to the device or your car, please read this manual carefully before using VD500.

The testing process described in the manual is generally the experience of technician. Safety precaution is required in most of the process to avoid body injury and damage to the device or your car. Read the vehicle maintenance manual before use this device and follow safety precautions.

- It generates CO and other poisonous air when engine is running. To avoid this kind of hurt, please repair the car in a well-air-ventilated place.
- When the engine is running, many parts (such as the coolant fan, pulleys, fan belt etc.) rotate at high speed. To avoid serious injury, always be aware of moving parts. Keep a safe distance from these parts as well as other potentially moving objects.
- Engine parts become very hot when the engine is running. Don't touch hot engine parts to avoid severe burns.
- Fuel and battery vapors are highly flammable. To prevent an explosion, keep all sparks, heated items and open flames away from the battery and fuel/ fuel vapors. Do not smoke near the vehicle during testing.

ÜBER VD500

1. Deckuzng

1.1 Unterstützungen für VW, AUDI, SKODA und SEAT, etc.

- 1) VD500 deckt alle 12-V-Modelle ab.
- 2) Es können alle Protokolle von UDS, TP20, TP16, KWP2000 und KWP1281 getestet werden.

1.2 Funktionsumfang

Basisfunktionen:

- Versionsinformationen lesen
- Fehlercodes lesen
- Fehlercodes löschen

Spezialfunktionen:

- Anpassung der Drosselklappe
- Service zurückgesetzt
- EPB Bremsbeläge ersetzen.

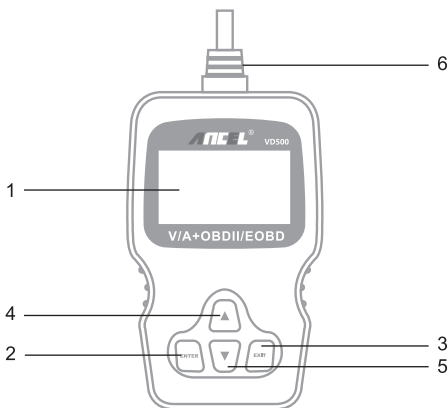
2. Spezifikationen

- 1) Display: Hintergrundbeleuchtetes Display mit 128 × 64 Pixel und Kontrasteinstellung
- 2) Betriebstemperatur: 0 to 60°C (32 to 140°F)
- 3) Lagertemperatur: -20 to 70°C (-4 to 158°F)
- 4) Externe Stromversorgung: 8,0 bis 18,0 V Stromversorgung über die Fahrzeugbatterie
- 5) Abmessungen: 128*79*29 mm

3. Inbegriffen

- 1) Hauptgerät des Scan-Tools
- 2) Benutzerhandbuch
- 3) USB-Kabel

4. Werkzeugbeschreibung



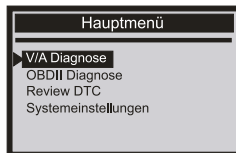
1. LCD-ANZEIGE - Testergebnisse anzeigen. Hintergrundbeleuchtung, 128 x 64 Pixel Display mit Kontrasteinstellung.
2. ENTER-TASTE - Bestätigt eine Auswahl (oder Aktion) aus einem Menü.
3. BEENDEN-TASTE - Abbrechen einer Auswahl (oder Aktion) aus einem Menü oder kehrt zum Menü zurück. Es wird auch zum Verlassen des DTC-Suchbildschirms verwendet.
4. UP SCROLL TASTE - Bewegt sich durch die Menü- und Untermenüpunkte nach oben im Menümodus. Verschieben Sie, wenn mehr als ein Bildschirm mit Daten abgerufen wird durch den aktuellen Bildschirm zu den vorherigen Bildschirmen für zusätzliche Daten.
5. ABWÄRTS-TASTE - Bewegen Sie sich durch Menü und nach unten Untermenüpunkte im Menümodus. Bei mehr als einem Bildschirm handelt es sich um Daten abgerufen, bewegen Sie sich im aktuellen Bildschirm nach unten, um zum nächsten Bildschirm zu gelangen zusätzliche Daten.
6. OBD II-ANSCHLUSS - Schließen Sie den Diagnose-Tester an das Fahrzeug an Data Link Connector (DLC).

Bedienungsanleitungen

1. Schließen Sie VD500 an

1.1 Zündung einschalten.

1.2 Suchen Sie den 16-poligen Data Link Connector (DLC) des Fahrzeugs.



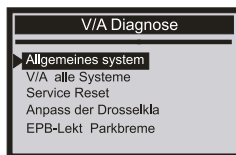
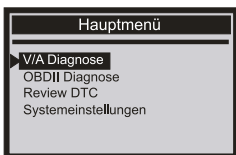
1.3 Hauptmenü

- V / A-Diagnose
- OBDII-Diagnose
- DTC überprüfen
- System konfiguration

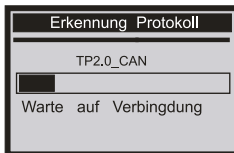
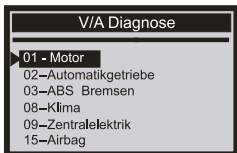
2. VD500-Funktionen

2.1 V / A

Wählen Sie [V / A-Diagnose] und drücken Sie dann die [ENTER] -Taste.
Der Bildschirm wird wie folgt angezeigt:

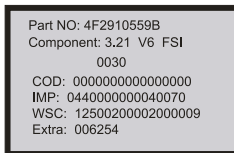
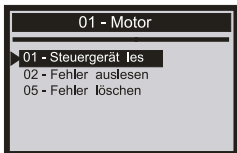


Drücken Sie auf das folgende Motorsystem, das wie folgt angezeigt wird:
Wählen Sie [01- Engine] und drücken Sie die [ENTER] -Taste, um die Engine aufzurufen Diagnoseschnittstelle



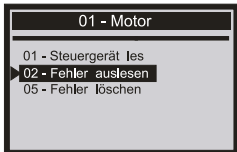
2.1.1 ECU Info lesen

Wählen Sie [01-Control Unit Info] und drücken Sie die [ENTER] -Taste.
Es wird wie folgt angezeigt:



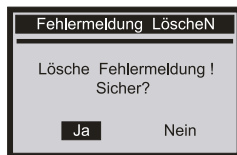
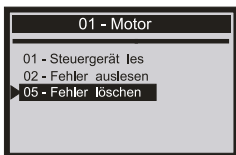
2.1.2 Fehlercodes lesen

Wählen Sie [02-Read Fault Codes] und drücken Sie die [ENTER] -Taste.
Auf dem Bildschirm werden folgende Fehlercodes angezeigt:
Bewegen Sie die [Auf] - oder [Ab] -Taste, um den Fehlercode zu überprüfen.



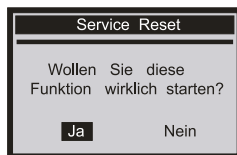
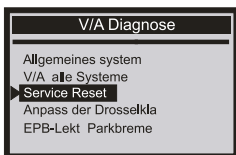
2.1.3 Fehlercodes löschen

Wählen Sie [05-Clear Fault Codes]. Der Bildschirm wird wie folgt angezeigt:



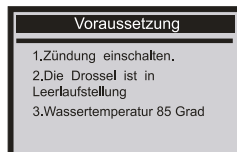
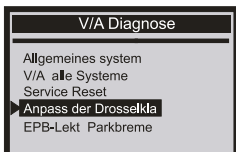
2.1.4 Service zurücksetzen

Wählen Sie [Service Reset] und drücken Sie die [ENTER] -Taste. Der Bildschirm wird Anzeige wie folgt:



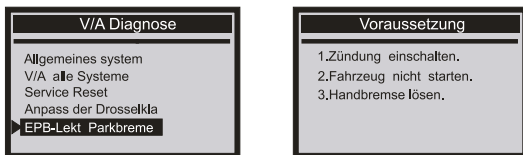
2.1.5 Anpassung der Drosselklappe

Wählen Sie [Gasanpassung] und drücken Sie die [ENTER] -Taste. Das Der Bildschirm wird wie folgt angezeigt:



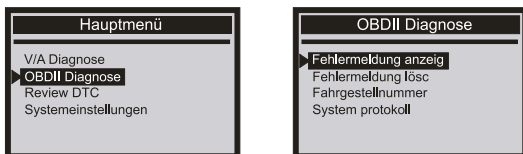
2.1.6 EPB Bremsbeläge ersetzen

Wählen Sie [EPB Replace Brake pads] und drücken Sie die [ENTER]-Taste. Der Bildschirm wird wie folgt angezeigt:



2.2 OBDII

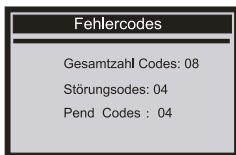
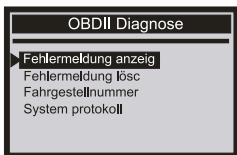
Wählen Sie [OBDII-Diagnose] und drücken Sie die Eingabetaste. Der Bildschirm wird angezeigt wie folgt:



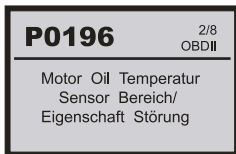
2.2.1 Fehlercodes lesen

Diese Funktion liest DTCs vom Fahrzeugcomputer. Module gibt es zwei Arten von Codes: Störungsanzeigelampe (MIL) Codes und anstehende Codes MIL-Codes: Diese Codes verursachen den Computer um die MIL zu beleuchten, wenn ein emissionsbezogener Fehler oder ein Fahrfähigkeitsfehler vorliegt tritt ein. Die MIL wird auch als "Service Engine Soon" oder "Check" bezeichnet. Die MIL-Codes der Motorleuchte bleiben im Speicher des Fahrzeugs gespeichert, bis die fehler ist behoben.

Wählen Sie [Read Fault Codes] (Fehlercodes lesen) und drücken Sie die [ENTER]-Taste. In den Computermodule des Fahrzeugs gespeicherte DTCs. Wenn ein Fehler vorliegt, wird die Anzahl der Fehlercodes wie folgt angezeigt:

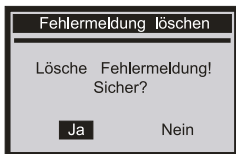
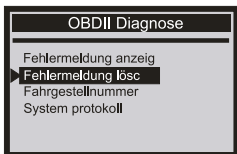


Drücken Sie [ENTER], um die Fehlercodes anzuzeigen. Wenn mehr als zwei Fehlercodes vorhanden sind, können Sie die Aufwärts- oder Abwärtstaste bis drücken Fehlercodes auswählen und lesen.



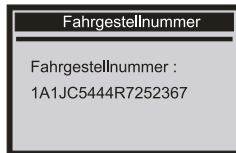
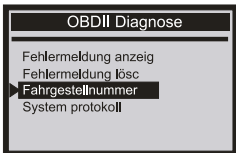
2.2.2 Codes löschen

Wählen Sie [Erase Codes] und drücken Sie die [ENTER] -Taste. Der Bildschirm wird angezeigt wie folgt:

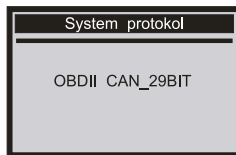
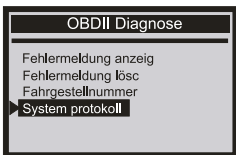


2.2.3 VIN-Codes lesen

Wählen Sie [VIN Codes] und drücken Sie die [ENTER] -Taste.

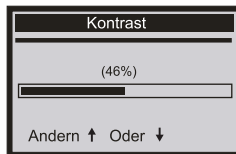
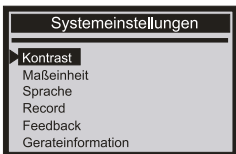


Wählen Sie [Systemprotokoll] und es wird wie folgt angezeigt:



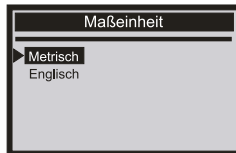
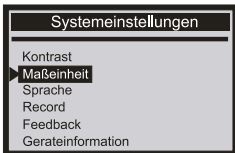
3. Kontrast

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



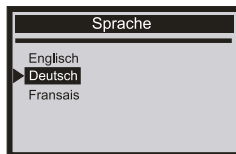
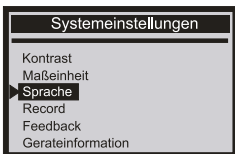
4. Unit Of Measure

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



5. Sprache

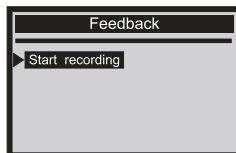
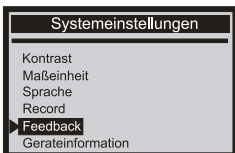
Wählen Sie [Sprache] und es wird wie folgt angezeigt:



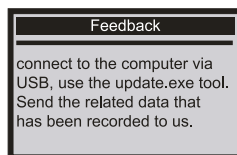
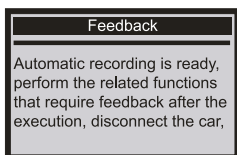
6. Rückmeldung

HINWEIS: Die Funktion [Aufnahme starten] muss jedes Mal geöffnet werden. Der vorherige Datensatz wird gelöscht, wenn Sie das Feedback öffnen.

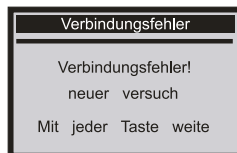
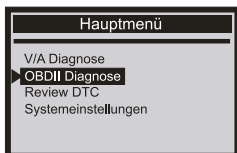
Wählen Sie Feedback und es wird wie folgt angezeigt:



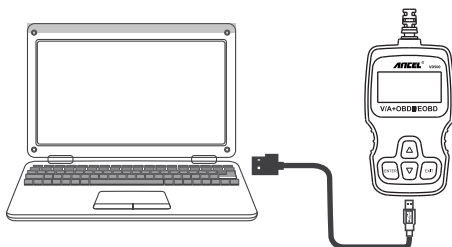
Wählen Sie [Aufnahme starten] und es wird wie folgt angezeigt:



Weiter: Drücken Sie mehrmals die EXIT-Taste und kehren Sie zum Hauptmenü zurück. Zum Beispiel: Wenn während des Tests etwas mit der OBDII-Diagnose nicht stimmt, wählen Sie zum erneuten Erkennen das Menü [OBDII-Diagnose], um die Daten aufzuzeichnen.



Laden Sie die Upgrade-Datei von der ANCEL-Website auf den Computer herunter. Verbinden Sie das Gerät über ein USB-Kabel mit dem Computer.



Öffnen Sie die Upgrade-Dateien und wählen Sie "Update".



Klicken Sie auf "Feedback"



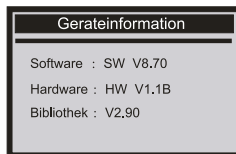
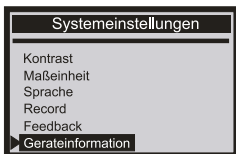
Senden Sie den Feedback.bin-Text an support@anceltech.com.

bin	2017/6/19 19:53
driver	2017/6/19 19:53
Feedback.bin	2017/6/15 20:16
help	2017/1/18 13:13
note	2017/6/19 19:55
README	2017/6/15 20:09
update	2017/5/9 11:51

Anmerkung: Stellen Sie in den obigen Schritten sicher, dass das Tool mit dem Computer verbunden ist.

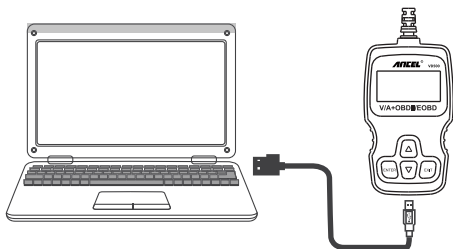
7. Versionsinformationen

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



8. Aktualisieren

1. Bitte verbinden Sie das Gerät und den Computer mit einem USB-Kabel, bevor Sie ein Upgrade durchführen.



2. Die Update-Software wird nur von Windows 7/8/10 unterstützt. (Unter Win8 / 10 kann die Aktualisierungssoftware direkt ausgeführt werden. Der Treiber muss nur unter Windows 7 installiert werden.)
3. Klicken Sie in der Treiberdatei auf "install driver.bat", um den Treiber zu installieren.

Precauciones de seguridad

To avoid body injury and damage to the device or your car, please read this manual carefully before using VD500.

El proceso de prueba descrito en el manual es generalmente la experiencia del técnico. Se requiere precaución de seguridad en la mayoría de El proceso para evitar lesiones corporales y daños al dispositivo o a su automóvil. Lea el manual de mantenimiento del vehículo antes de usar este dispositivo. y siga las precauciones de seguridad.

- Genera CO y otro aire venenoso cuando el motor está en marcha. Para evitar este tipo de daño, por favor repare el auto en un lugar bien ventilado.
- Cuando el motor está en marcha, muchas partes (como el ventilador del refrigerante, Las poleas, la correa del ventilador, etc.) giran a alta velocidad. Para evitar lesiones graves, Siempre esté atento a las partes móviles. Mantenga una distancia segura de estos partes así como otros objetos potencialmente móviles.
- Las piezas del motor se calientan mucho cuando el motor está en marcha. No toque las partes calientes del motor para evitar quemaduras graves.
- Los vapores del combustible y de la batería son altamente inflamables. Para evitar una explosión, Mantenga todas las chispas, elementos calientes y llamas alejadas de la batería. y combustible / vapores de combustible. No fume cerca del vehículo durante las pruebas.

Acerca de VD500

1. Cobertura

1.1 Soportes para VW, AUDI, SKODA y SEAT, etc.

- 1) VD500 cubre todos los modelos de 12V.
- 2) Puede probar todos los protocolos de UDS, TP20, TP16, KWP2000 y KWP1281.

1.2 Cobertura de funciones

Funciones básicas:

- Lea la información de la versión
- Lea los códigos de falla
- Borrar códigos de falla

Funciones especiales:

- Adaptación del acelerador
- Restablecimiento del servicio
- EPB Reemplace las pastillas de freno

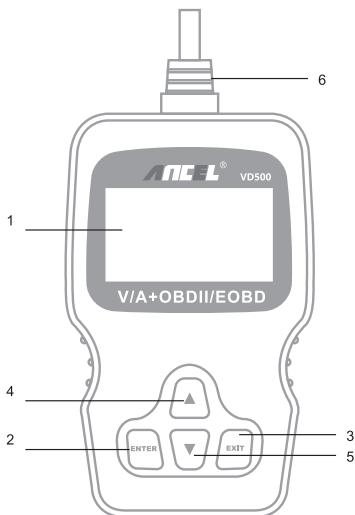
2. Especificaciones

- 1) Pantalla: retroiluminada, pantalla de 128 × 64 píxeles con ajuste de contraste
- 2) Temperatura de funcionamiento: 0 to 60°C (32 to 140°F)
- 3) Temperatura de almacenamiento: -20 to 70°C (-4 to 158°F)
- 4) Alimentación externa: 8.0 a 18.0 V de potencia proporcionada a través de la batería del vehículo
- 5) Dimensiones: 128*79*29 mm

3. Incluido

- 1) Unidad principal de la herramienta de escaneo
- 2) Manual del usuario
- 3) cable USB

4. Descripción de la herramienta



1. PANTALLA LCD - Indique los resultados de la prueba. Retroiluminado, 128 x 64 pixeles Display con ajuste de contraste.
2. BOTÓN INTRODUCIR - Confirmar una selección (o acción) desde un menú.
3. BOTÓN SALIR: cancela una selección (o acción) desde un menú o Vuelve al menú. También se utiliza para salir de la pantalla de búsqueda de DTC.
4. BOTÓN DE DESPLAZAMIENTO HACIA ARRIBA - Desplácese hacia arriba a través de los elementos de menú y submenú en el modo de menú. Cuando se recupera más de una pantalla de datos, mueva arriba a través de la pantalla actual a las pantallas anteriores para obtener datos adicionales.

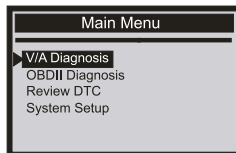
5. BOTÓN DE DESPLAZAMIENTO HACIA ABAJO: desplácese hacia abajo por el menú y Submenú de elementos en el modo de menú. Cuando más de una pantalla de datos es recuperado, desplácese hacia abajo a través de la pantalla actual a las siguientes pantallas para datos adicionales.
6. CONECTOR OBD II: conecte la herramienta de escaneo a la Conector de enlace de datos (DLC)

Instrucciones de operación

1. Conectar VD500

1.1 Encienda la ignición.

1.2 Localice el conector de enlace de datos (DLC) de 16 pines del vehículo.



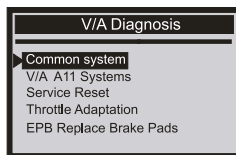
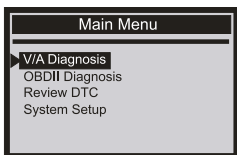
1.3 Menú principal

- Diagnóstico V / A
- Diagnóstico OBDDII
- Revisar DTC
- Configuración del sistema

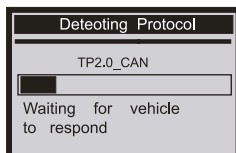
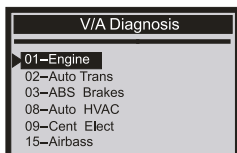
2. Características del VD500

2.1 V / A

Elija [V / A Diagnosis] y luego presione el botón [ENTER]. La pantalla se mostrará de la siguiente manera:

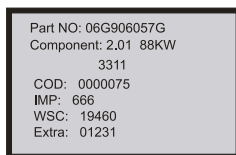
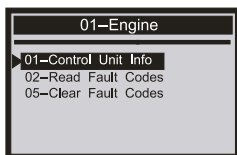


Presione el siguiente sistema de motor que se mostrará a continuación:
Seleccione [01- Motor], presione el botón [ENTER] para ingresar al motor
interfaz de diagnóstico



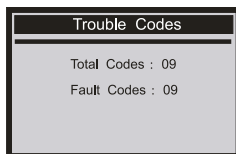
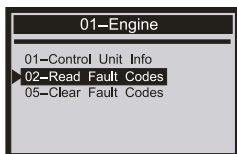
2.1.1 Leer información de la ECU

Elija [01-Control Unit Info] luego presione el botón [ENTER].
Se mostrará de la siguiente manera:



2.1.2 Leer códigos de falla

Elija [02-Read Fault Codes] luego presione el botón [ENTER]. Los la pantalla mostrará los códigos de falla de la siguiente manera:
Mueva el botón [arriba] o [abajo] para verificar el código de falla.



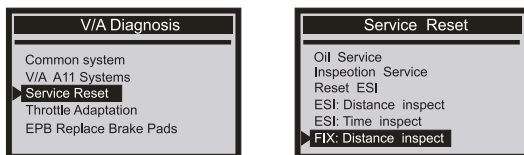
2.1.3 Borrar códigos de fallas

Elija [05-Clear Fault Codes]. La pantalla se mostrará de la siguiente manera:



2.1.4 restablecimiento del servicio

Elija [Service reset] y luego presione el botón [ENTER]. La pantalla mostrar de la siguiente manera:



2.1.5 Adaptación del acelerador

Elija [Adaptación del acelerador] y luego presione el botón [ENTER]. La pantalla se mostrará como sigue:



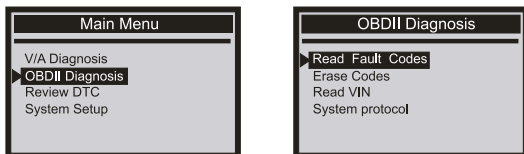
2.1.6 EPB Reemplace las pastillas de freno

Elija [EPB Reemplace las pastillas de freno] y luego presione el botón [ENTER]. La pantalla se mostrará de la siguiente manera:



2.2 OBDII

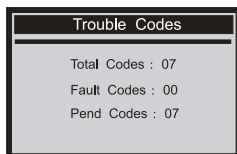
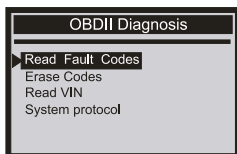
Elija [Diagnóstico OBDII] y luego presione el botón [enter]. La pantalla mostrará como sigue:



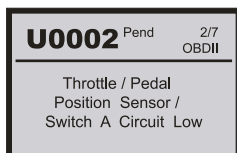
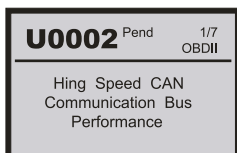
2.2.1 Leer códigos de falla

Esta función lee los DTC de la computadora del vehículo. módulos, hay dos tipos de códigos: Lámpara de indicador de mal funcionamiento (MIL) Códigos y códigos pendientes Códigos MIL: estos códigos hacen que la computadora para iluminar la MIL cuando un fallo relacionado con la emisión o la capacidad de la unidad falla ocurre. La MIL también se conoce como el "motor de servicio pronto" o "verificación Lámpara del motor "Los códigos MIL permanecen en la memoria del vehículo hasta que la culpa es reparada.

Seleccione [Leer códigos de falla] y presione el botón [ENTER], El VD500 recupera la DTC almacenados en los módulos informáticos del vehículo. Si hay un error, el número de códigos de error se mostrará de la siguiente manera:

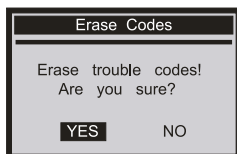
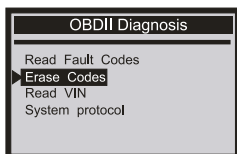


Presione [ENTER] para ver los códigos de problemas. Si hay más de dos códigos de falla, puede presionar los botones arriba o abajo para Elegir y leer códigos de falla.



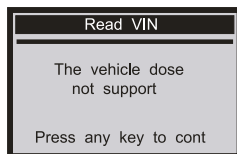
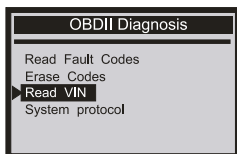
2.2.2 Borrar códigos

Seleccione [Borrar códigos] y presione el botón [ENTER]. La pantalla mostrará como sigue:



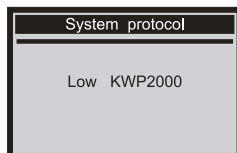
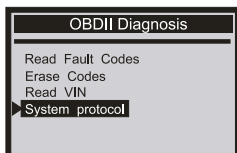
2.2.3 Leer códigos VIN

Seleccione [Códigos VIN] y presione el botón [ENTER].



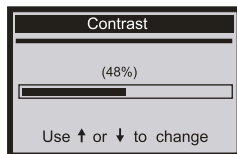
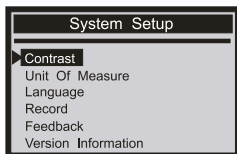
2.2.4 protocolo del sistema

Elija [Protocolo del sistema] y se muestra de la siguiente manera:



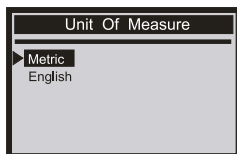
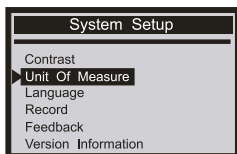
3.Contraste

Elija [Contraste] y se muestra de la siguiente manera:



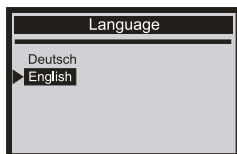
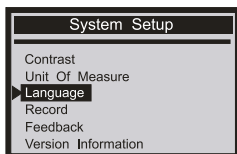
4.Unidad de medida

Elija [Unidad de medida] y se muestra de la siguiente manera:



5. Idioma

Elija [Idioma] y se muestra de la siguiente manera:

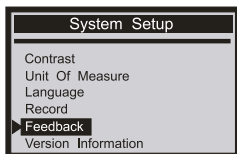


6. Feedback

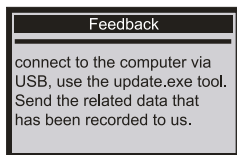
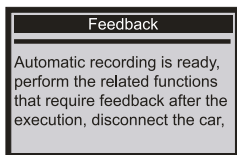
NOTA: Debe abrir la función [iniciar grabación] cada vez.

El registro anterior se eliminará cuando abra el comentario.

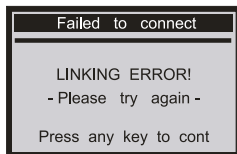
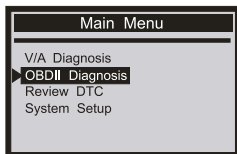
Elija Feedback y se muestra de la siguiente manera:



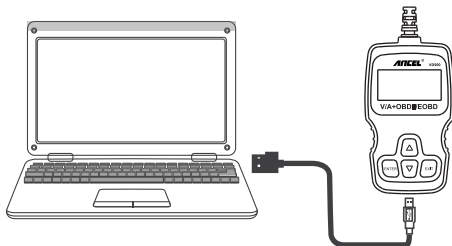
Elija [Iniciar grabación] y se muestra de la siguiente manera:



Siguiente: Presione el botón EXIT varias veces y regrese al menú principal. Por ejemplo: si hay algún problema con el diagnóstico OBDII durante la prueba, elija el menú [Diagnóstico OBDII] para volver a detectar y registrará los datos.



Descargue el archivo de actualización en la computadora desde el sitio web de ANCEL. Conecte el dispositivo con la computadora a través del cable USB.



Abra los archivos de actualización, seleccione "Actualizar".



Haga clic en "Comentarios"



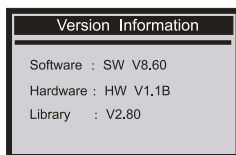
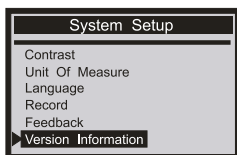
Envíe el texto de Feedback.bin a support@anceltech.com.

bin	2017/6/19 19:53
driver	2017/6/19 19:53
Feedback.bin	2017/6/15 20:16
help	2017/1/18 13:13
note	2017/6/19 19:55
README	2017/6/15 20:09
upate	2017/5/9 11:51

Observación: en los pasos anteriores, mantenga la herramienta conectada con la computadora.

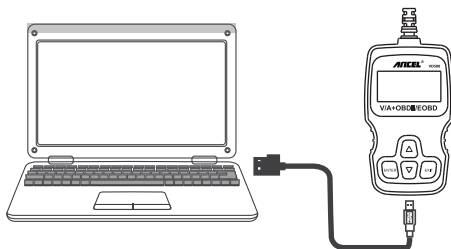
7. Información de la versión

Elija [Información de la versión] y se muestra de la siguiente manera:



8. Actualizar

1. Por favor, conecte el dispositivo y la computadora con un cable USB antes de actualizar.



2. El software de actualización solo es compatible con Windows 7/8/10. (Win8 / 10 puede ejecutar el software de actualización directamente, solo Windows 7 necesita instalar el controlador).

3. Haga clic en "instalar driver.bat" en el archivo del controlador para instalar el controlador.

Misure di sicurezza

Per evitare lesioni personali e danni al dispositivo o all'auto, leggere attentamente questo manuale prima di utilizzare VD500.

La procedura di test descritta nel manuale è generalmente l'esperienza del tecnico. La precauzione di sicurezza è richiesta nella maggior parte di il processo per evitare lesioni al corpo e danni al dispositivo o alla tua auto. Leggere il manuale di manutenzione del veicolo prima di utilizzare questo dispositivo e seguire le precauzioni di sicurezza.

- Genera CO e altra aria velenosa quando il motore è in funzione. Evitare questo tipo di ferita, si prega di riparare l'auto in un luogo ben ventilato.
- Quando il motore è in funzione, molte parti (come la ventola del liquido di raffreddamento, pulegge, cinture, ecc.) ruotano ad alta velocità. Per evitare gravi lesioni, essere sempre consapevoli delle parti mobili. Tieni una distanza di sicurezza da questi parti così come altri oggetti potenzialmente in movimento.
- Le parti del motore diventano molto calde quando il motore è in funzione. Non toccare le parti calde del motore per evitare gravi ustioni.
- Il carburante e i vapori della batteria sono altamente infiammabili. Per prevenire un'esplosione, tenere tutte le scintille, gli oggetti riscaldati e le fiamme aperte lontano dalla batteria e vapori di carburante / carburante. Non fumare vicino al veicolo durante i test.

Informazioni su VD500

1. Copertura

1.1 Supporti per VW, AUDI, SKODA e SEAT, ecc.

- 1) VD500 copre tutti i modelli a 12V.
- 2) Può testare tutti i protocolli di UDS, TP20, TP16, KWP2000 e KWP1281.

1.2 Copertura funzione

Funzioni base:

- Informazioni di lettura
- Leggere i codici di errore
- Cancellare i codici di errore

Funzioni speciali:

- Accoppiamento dell'acceleratore
- Ripristino del servizio
- Sostituisci i tasti della tastiera EPB

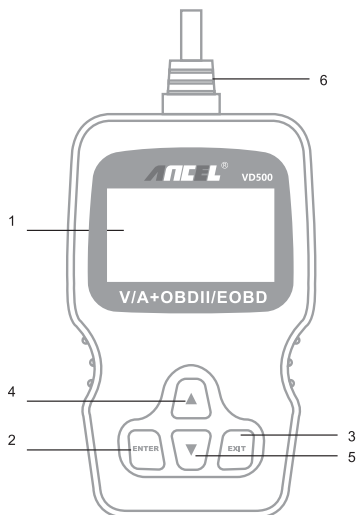
2. specifiche

- 1) Display: display retroilluminato, 128 × 64 pixel con regolazione del contrasto
- 2) Temperatura di funzionamento: 0 to 60°C (32 to 140°F)
- 3) Temperatura di stoccaggio: -20 to 70°C (-4 to 158°F)
- 4) Alimentazione esterna: alimentazione da 8.0 a 18.0 V fornita tramite batteria del veicolo
- 5) Dimensioni: 128*79*29 mm

3. Incluso

- 1) Scan Tool unità principale
- 2) Manuale utente
- 3) cavo USB

4. Descrizione dello strumento



1. DISPLAY LCD - Indica i risultati del test. Retroilluminato, 128 x 64 pixel display con regolazione del contrasto.

2. INVIO PULSANTE - Conferma una selezione (o azione) da un menu.

3. TASTO ESCI - Annulla una selezione (o azione) da un menu o ritorna al menu. Viene anche utilizzato per la schermata di ricerca DTC di uscita.

4. UP PULSANTE DI SCORRIMENTO - Spostarsi tra gli elementi del menu e dei sottomenu in modalità menu. Quando viene recuperata più di una schermata di dati, spostati attraverso la schermata corrente alle schermate precedenti per ulteriori dati.

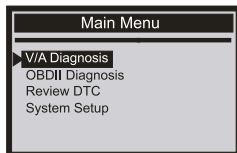
5. **PULSANTE SCORRIMENTO GIÙ** - Spostarsi verso il basso attraverso il menu e voci di sottomenu in modalità menu. Quando c'è più di una schermata di dati recuperato, spostati verso il basso attraverso la schermata corrente per le schermate successive dati aggiuntivi.
6. **CONNETTORE OBD II** - Collegare lo strumento di scansione al veicolo Data Link Connector (DLC)

Istruzioni di funzionamento

1. Connetti VD500

1.1 Accendere l'accensione.

1.2 Individua il connettore DLC (Data Link Connector) a 16 pin del veicolo.



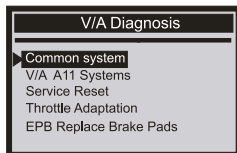
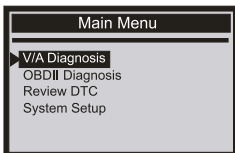
1.3 Menu principale

- I / O Diagnosis
- Diagnosi OBDII
- Review DTC
- Installazione del sistema

2. VD500 Caratteristiche

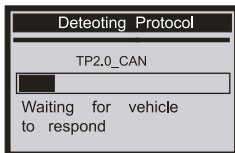
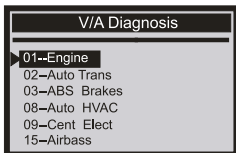
2.1 V / A

Scegliere [V / A Diagnosis] quindi premere il tasto [ENTER]. Lo schermo verrà visualizzato come segue:



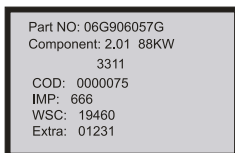
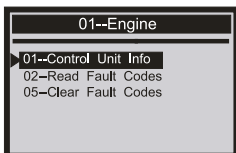
Premere il seguente sistema motore che verrà visualizzato come di seguito:

Selezionare [01-Engine], premere il pulsante [ENTER] per accedere al motore interfaccia diagnostica



2.1.1 Leggi le informazioni sulla ECU

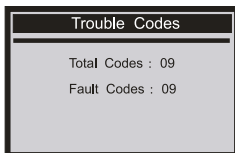
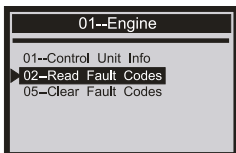
Scegliere [01-Info unità di controllo] quindi premere il tasto [ENTER]. Verrà visualizzato come segue:



2.1.2 Leggi i codici di errore

Scegliere [02-Read Fault Codes] quindi premere il tasto [ENTER]. Lo schermo mostrerà i codici di errore come di seguito:

Sposta il tasto [su] o [giù] per verificare il faultcode.



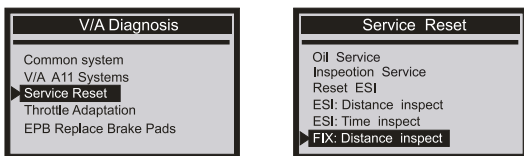
2.1.3 Cancella codici di errore

Scegliere [05-Clear Fault Codes]. Lo schermo verrà visualizzato come segue:



2.1.4 Ripristino del servizio

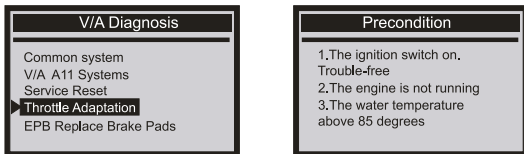
Scegliere [Servicereset] e quindi premere il tasto [ENTER]. Lo schermo lo farà mostra come segue:



2.1.5 Accoppiamento dell'acceleratore

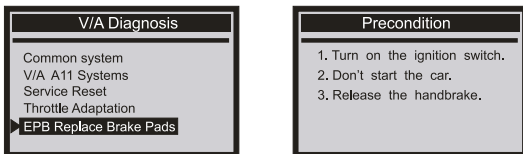
Scegliere [ThrottleAdaptation] quindi premere il tasto [ENTER].

Lo schermo verrà visualizzato come segue:



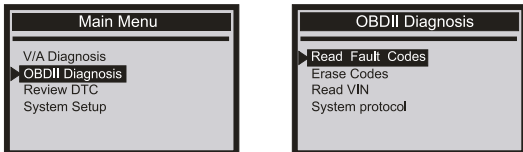
2.1.6 Sostituisci i tasti della tastiera EPB

Scegliere [EPB ReplaceBrakepads] quindi premere il tasto [ENTER]. Lo schermo mostrerà come segue:



2.2 OBDII

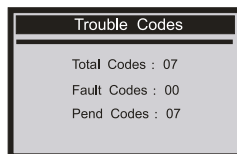
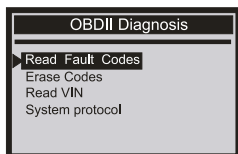
Scegliere [Diagnosi OBDII] quindi premere il tasto [invio]. Lo schermo verrà visualizzato come segue:



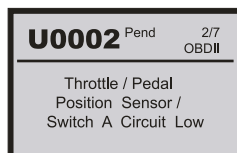
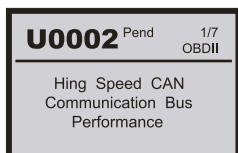
2.2.1 Leggi i codici di errore

Questa funzione legge i DTC dal computer del veicolo. In questi moduli, ci sono due tipi di codici: Malfunction Indicator Lamp (MIL) Codici e codici in sospeso. Codici MIL: questi codici causano il computer per illuminare il MIL quando si verifica un errore relativo alle emissioni o alla guida si verifica. Il MIL è anche noto come "servizio motore presto" o "controllo" Spia del motore. I codici MIL rimangono nella memoria del veicolo fino a quando il guasto è riparato.

Selezionare [Leggi codici guasto] e premere il tasto [ENTER], Il VD500 rimuove i DTC memorizzati nei moduli del computer del veicolo. In caso di errore, il numero di codici di guasto verrà visualizzato come segue:

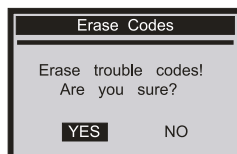
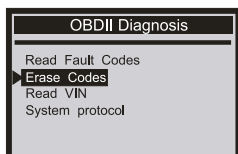


Premere [ENTER] per visualizzare i codici di errore. se sono presenti più di due codici di errore, è possibile premere il pulsante su o giù per scegli e leggi i codici difetto.



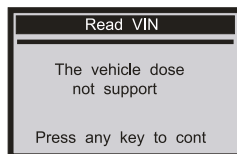
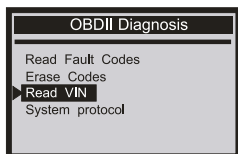
2.2.2 Cancella i codici

Selezionare [Cancella codici] e premere il tasto [ENTER]. Lo schermo verrà visualizzato come segue:

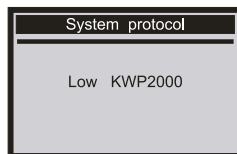
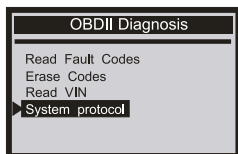


2.2.3 Leggi i codici VIN

Selezionare [Codici VIN] e premere il tasto [ENTER].

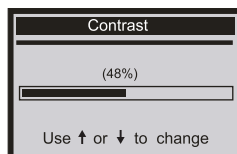
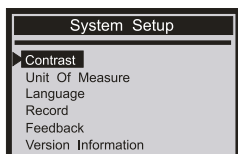


Scegliere [Protocollo di sistema] e viene visualizzato come segue:



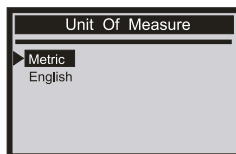
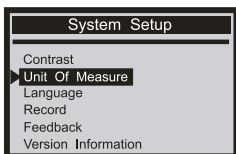
3. Contrasto

Scegli [Contrasto] e visualizza come segue:



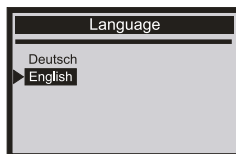
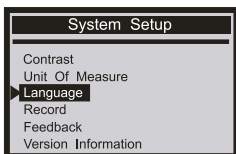
4. Unità di misura

Scegli [Unità di misura] e visualizza come segue:



5. linguaggio

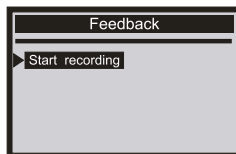
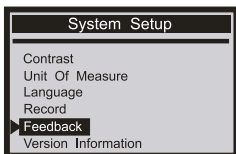
Scegli [Lingua] e visualizza come segue:



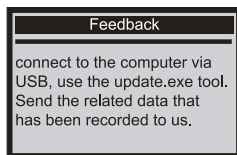
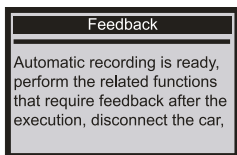
6. Risposta

NOTA: è necessario aprire la funzione [avvia la registrazione] ogni volta. Il record precedente verrà eliminato quando apri il feedback.

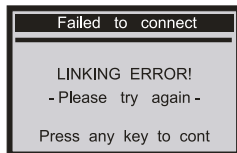
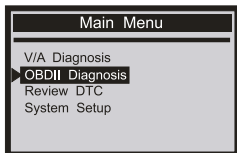
Scegli Feedback e viene visualizzato come segue :



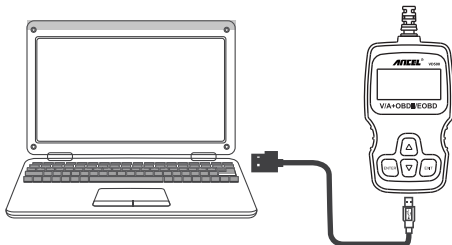
Scegli [Inizia registrazione] e viene visualizzato come segue:



Successivo: premere EXIT più volte e tornare al menu principale.
Forexample: se c'è qualcosa di sbagliato nella diagnosi di OBDII durante il test, selezionare il menu [Diagnosi OBDII] per rilevare di nuovo e registrerà i dati.



Scarica il file di aggiornamento sul computer da ANCEL website. Collega il dispositivo con il computer tramite il cavo USB.



Apri i file di aggiornamento, scegli "Aggiorna".



Fai clic su "Feedback"



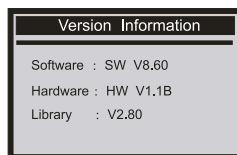
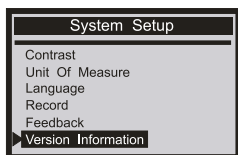
Invia il testo Feedback.bin a support@anceltech.com.

bin	2017/6/19 19:53
driver	2017/6/19 19:53
Feedback.bin	2017/6/15 20:16
help	2017/1/18 13:13
note	2017/6/19 19:55
README	2017/6/15 20:09
upate	2017/5/9 11:51

Nota: nei passaggi precedenti, mantenere lo strumento connesso al computer.

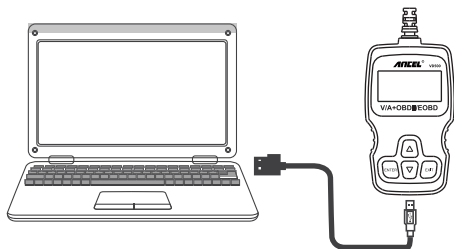
7. Informazioni sulla versione

Scegli [Informazioni sulla versione] e viene visualizzato come segue:



8. Aggiornare

1. Collegare il dispositivo e il computer con il cavo USB prima di eseguire l'aggiornamento.



2. Il software di aggiornamento è supportato solo da Windows 7/8/10. (Win8 / 10 può eseguire direttamente il software di aggiornamento, solo Windows 7 deve installare il driver).
3. Fare clic su "installa driver.bat" nel file del driver per installare il driver.

WARRANTY AND SERVICES

The following provides our standard warranty policy for all Ancel branded products

1. Limited One Year Warranty

1) THIS WARRANTY IS EXPRESSLY LIMITED TO THE PERSON WHO PURCHASE ANCEL PRODUCTS.

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

3) This warranty does not apply to damage caused by improper use, accident, abuse, improper voltage, service, fire, flood, lightning, or if the product was altered or repaired by anyone not the Technical Service Center. Consequential and incidental damages are not recoverable under this warranty.

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

2. Service Procedures

1) If you have any questions, please contact your local store, distributor or visit our website at www.anceltech.com .

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

OBDSPACE TECHNOLOGY CO., LTD

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