Model CS330

AUTOOL® CS 330

User Manual

OBDII Car Diagnostic Scanner

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Any changes or updates to the product or software contents will be subject to company discretion.

材质: 105g 铜版纸
尺寸: 70 x 90 mm
印刷: 单黑双面印刷
装订方式: 骑马钉装订
(封面内页留白)

Introduction

Thank you very much for choosing AUTOOL CS330 OBDII Car Diagnostic Scanner. We believe that this comprehensive user manual will provide some information you don't know at a glance but questions, please feel free to contact us via offiecer@autoboltech.com or send a message to the factory.

Package Includes

User Manual
Warranty Card

Safety Precautions and Warnings

To avoid damage to the vehicle or injury to yourself, please read the user manual carefully before using the product. Improper use of the product may jeopardize safety or a minimum whatever working or vehicle.

1. Always perform a vehicle test drive to verify scan results.
2. Do not attempt to operate or observe the non-vehicle driving or vehicle. Operating or observing the non-vehicle driving or vehicle may cause distraction and cause a fatal accident.
3. Never select any protection that meets vehicle standards.
4. Operate the vehicle in a well-ventilated area since Exhaust gases are Poisonous.
5. Put the transmission in Park (for automatic transmission) or neutral (for manual transmission) and make sure the parking brake is engaged.
6. Keep the tool dry, clean, free from oil/water or grease, use a mild detergent on a piece cloth to clean the outside of the scan tool, when necessary.

General Information

1. What is OBD II Service?

The OBD II system is designed to monitor emission control systems and key engine components by performing either continuous or periodic tests of critical parameters to ensure that they do not exceed the limits established by the vehicle manufacturer. Information is provided to the vehicle operator via a malfunction indicator lamp (MIL) to indicate that a vehicle malfunction has occurred and to signal that service is required. The system will also store important information about the last emission-related fault detected to assist in the repair of the vehicle. The OBD II system provides a wealth of detailed information about vehicle operation designed to help you quickly and accurately diagnose and repair your vehicle.

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

2. What Is Data Link Connector?

The DLC (Data Link Connector) is a standard 16-pin connector and the pin-outs are defined as follows:

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

3. OBD II Definitions

Diagnostic Trouble Codes (DTCs) are standardized alphanumeric codes that identify a particular diagnostic area in the vehicle. The first character in the code is alphanumeric, followed by three numerical characters. The DTCs are defined by the Society of Automotive Engineers (SAE) and the International Organization for Standardization (ISO). The SAE and ISO have defined many, but not all, of the DTCs that are available on vehicles. The last two digits of the DTC refer to the specific fault for which information is being stored. The manufacturer has the option to define the last four digits for any of the DTCs that are not defined by the SAE and ISO. The SAE and ISO have also defined many of the emission-related parameters that are available on OBD II compliant vehicles. The SAE and ISO have also defined a set of Diagnostic Test Modes that must be supported by the vehicle control module. The Diagnostic Test Modes and the standard DTCs that are supported by a particular vehicle can be retrieved using a generic OBD II scan tool. Some of the DTCs and parameters are not supported on all vehicles, since each manufacturer has the option to define certain parameters and all of the DTCs that are not defined by the SAE and ISO. The SAE and ISO have also defined a set of Diagnostic Test Modes that must be supported by the vehicle control module. The Diagnostic Test Modes and the standard DTCs that are supported by a particular vehicle can be retrieved using a generic OBD II scan tool. Some of the DTCs and parameters are not supported on all vehicles, since each manufacturer has the option to define certain parameters and all of the DTCs that are not defined by the SAE and ISO.

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

Figure 1-4: Location of a diagnostic trouble code.

4. Definitions OBD II

Modules of the Controller Area Network (CAN) are identified by two hexadecimal digits, the first for the module type and the second for the instance of that module. The module type is defined as follows:

- 00 = Engine
- 01 = Transmission
- 02 = Shift Control
- 03 = Brakes
- 04 = Stability Control
- 05 = Restraints
- 06 = Instrument Panel
- 07 = Vehicle Information
- 08 = Vehicle Control
- 09 = Body Control
- 0A = Suspension
- 0B = Miscellaneous
- 0C = Miscellaneous
- 0D = Miscellaneous
- 0E = Miscellaneous
- 0F = Miscellaneous

5. Using the Scan Tool

1. Set the Ignition - OFF.
2. Locate the 16-pin data link connector (DLC) for your vehicle.
3. Plug the scan tool cable into the DLC connector.
4. Turn the ignition ON.
5. Follow the instructions in the menu to access the vehicle's OBD II diagnostic system.
6. Select the appropriate vehicle system to be tested.
7. Select the appropriate test to be performed.
8. Follow the instructions on the scan tool to view the test results.
9. Select other tests to be performed.
10. Turn the ignition OFF when finished testing the vehicle.
11. Unplug the scan tool from the vehicle DLC.

Figure 1-5: The DLC connector (left) can be found in the area of the car interior seen at right (black arrow).

Figure 1-6: Location of a diagnostic trouble code.

6. Specifications

- Display: 2.4" TFT color screen
- Operating Temperature: 32 to 122°F (0 to 50°C)
- Storage Temperature: -40 to 158°F (-40 to 70°C)
- Power Source: Vehicle DLC Power Supply 9.0V-18.0V
- Dimensions: 6.3" x 3.5" x 1.0" (160 x 90 x 25 mm)
- Weight: 0.7lbs (0.3kg)

7. Language

1. From the main menu, use the UP/DOWN scroll button to select the Language and press ENTER.

8. Contrast

1. From the main menu, use the UP/DOWN scroll button to select Contrast and press ENTER.

2. Press ENTER to save your settings and return to the previous menu.

9. Unit of Measure

1. From the main menu, use the UP/DOWN scroll button to select Unit of Measure.

2. From the unit of measure menu, use the UP/DOWN scroll button to select the desired unit of measure.
3. Press ENTER to save your settings and return to the previous menu.

10. Date and Time

1. From the Date and Time menu, use the UP/DOWN scroll button to select the desired unit of measure.

2. Press ENTER to save your settings and return to the previous menu.

11. Beep

1. From the Beep menu, use the UP/DOWN scroll button to select Beep and press ENTER.

2. Press ENTER to save your settings and return to the previous menu.

12. Auto Power Off

1. From the Auto Power Off menu, use the UP/DOWN scroll button to select the desired time period.

2. Press ENTER to save your settings and return to the previous menu.

13. Screen Saver

1. From the Screen Saver menu, use the UP/DOWN scroll button to select the desired time period.

2. Press ENTER to save your settings and return to the previous menu.

14. Select Language

1. Select the Language menu, use the UP/DOWN scroll button to select the language and press ENTER.

15. View Frame Frame

When an embedded/fitted dual screen, certain vehicle conditions are recorded and stored in the memory. The recorded information is displayed in a frame. View Frame Mode is a segment of the operating conditions at the time of an emission-related fault.

Editing a Frame:
1. Turn the ignition off.
2. Turn the ignition on.
3. Select Video Mode.
4. Press and hold the UP button for more than 2 seconds.

If the car is unable to communicate with the vehicle's ECU (Engine Control Unit), the following error message will appear on the display:

1. Turn the ignition off.
2. Check if the scan tool's OBDII connector is well-plug connected to the vehicle's DLC port (Data Link Connector).
3. Turn the ignition back on and try again.

If the error message still appears, please check the following:

1. Check if the scan tool's OBDII connector is well-plug connected to the vehicle's DLC port (Data Link Connector).
2. Turn the ignition off and wait for about 10 seconds. Turn the ignition back to the ignition on and try again.

Note:
- The function is performed with key on engine off. Do not start the engine.
- Before performing this function, make sure to retrieve and record the fault codes