

VW/AUDI Diagnostic Software User Guide

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LAUNCH

1. Brief

1.1 About Document

This document briefly introduces the diagnostic socket position and software menu of VW/AUDI car models.

1.2 Application Range

This document is applicable for VW/AUDI software users, including VW/AUDI diagnostic software developing engineer, technical engineer and customer.

1.3 Attention

With the upgrading of VW/AUDI diagnostic software, this document may vary.

2. Content

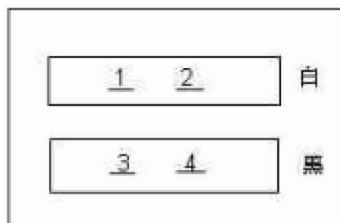
2.1 Content Description

2.1.1 Applicable Car Models

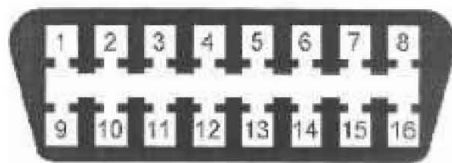
- 1). AUDI: A1, A3, A4, A5, A6, A7, A8, TT, Q5, Q7, R8.
- 2). VW: JETTA, BORA, MAGOTAN, GOLF, SAGITAR, CADDY, BEETLE, LAVIDA, PASSAT, POLO, GOL, PHAETON, TIGUAN, TOURAN, TOUAREG, SHARAN, SCIROCCO, AMAROK, EOS, FOX.

2.1.2 Diagnostic Socket

- 1). 4PIN Diagnostic Socket: Appears in old Audi 100 and Audi 200 models.



- 2). 16PIN Diagnostic Socket: Appears in Audi A4, A6, A8, Q7 and most VW models, such as JETTA, BORA, PASSAT, etc.



2.1.3 Diagnostic Socket Position

- 1). JETTA: On rear right side of fuse box of Instrument Panel. It's necessary to remove the cover under the Instrument Panel.
- 2). BORA: Under the speaker of central console. It's necessary to open a small panel under the speaker.
- 3). AUDI 100: On rear left side of engine compartment.
- 4). PASSAT: On right side of Park Switch. It's necessary to open a small concave cover.
- 5). For those unmentioned models, it's generally under the steering wheel.

2.1.4 Software Menu

- 1). After downloading, it displays the software menu as below:
 - A). Control Module: It lists all the systems to be tested. Usually, it is suggested to select this menu for VW/AUDI software test.
 - B). System Scan: Directly scan car configured systems. Since old car models have too many systems, it may take long time. Here no scan to VW/AUDI Double K-Line System (If 35 Central Lock System of AUDI A6 (03) cannot be scanned, please directly select 35 Central Lock System in the Control Module to perform the test).
 - C). Workshop Code Setting: Set up workshop code, which is used when perform code function.
 - D). Special Functions: Some special functions are separately listed under this menu for user's convenience.
 - E). Diagnostic Socket Position: Introduce the position of diagnostic socket.
 - F). Service Help: Help for the service of some special functions.
 - G). Channel Information: Basic adjustment of VW/AUDI systems, channel match and channel information.



2). After selecting "Control Module", the interface displays as below:



Here lists "Full Car Status Collection" and all systems. Currently, VW/AUDI car models support test for 102 systems. Under this menu, user can directly select the system to be tested. After selecting the corresponding system, it displays all the functions of this system. Selecting "Full Car Status Collection"

can only diagnose CAN models. When performing the system scan to VW/AUDI CAN models, it will list the system configuration and system status.

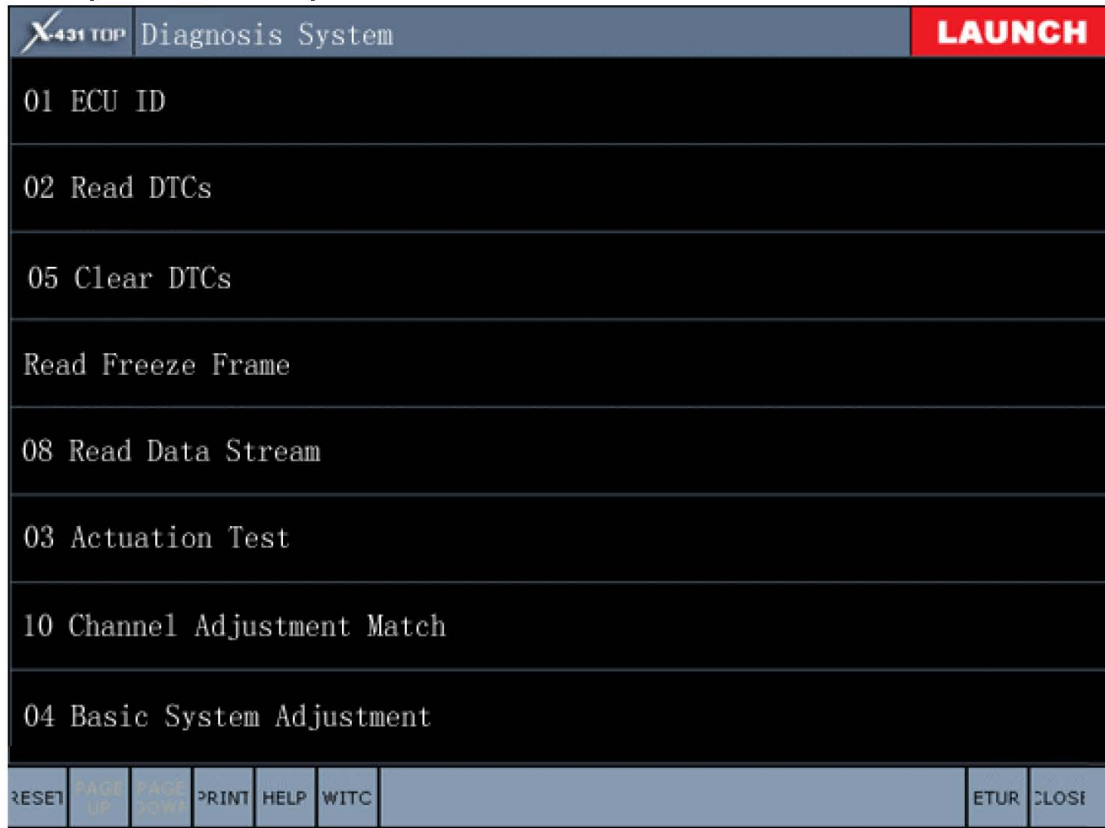
3). After selecting "Full Car Status Collection", the interface displays as below:

X431 TOP Diagnosis System						LAUNCH
System Status List						
Clear DTCs - All Systems						
Transfer Mode ON						
Transfer Mode OFF						
RESET	PAGE UP	PAGE DOWN	PRINT	HELP	WITC	ETUR CLOSE

4). When selecting "System Status List", it will list equipped systems and the status of each system. Interface as below:

X431 TOP Diagnosis System						LAUNCH
01	Engine System	OK				
02	Automatic Transmission	OK				
03	Brake System	OK				
08	Air Conditioning/Heating	OK				
25	Immobilizer	OK				
47	Audio System	OK				
15	Supplemental Restraint System	OK				
16	Steering System	OK				
RESET	PAGE UP	PAGE DOWN	PRINT	HELP	WITC	ETUR CLOSE

- 5). Users can perform the test according to the current system condition. Below function interface is the same as the interface when directly select system to test. System function interface as below:



- 6). When system and protocol types are different, the specific functions may also differ.

3. Examples

It is required to enter Channel Number when performing functions of Data Stream, Basic Adjustment and Channel Adjustment Match. This is one feature of VW/AUDI car models. But inexperienced service person may have no idea how to enter this Channel Number. Under the menu of "Channel Information", there's channel explanation for some systems. In addition, when customer performs one special function, it may need to carry out several functions to complete. Take the function of Steering Angle Sensor Reset for example. Customer needs to select "16 Safe Login" in 03 Brake System first and enter login password "40168". After successful login, select 04 Basic System Adjustment and select "060" channel to adjust. This function can only be successful after all these steps. Besides, many functions require certain preconditions to carry out. In conclusion, it is very import to learn related information to test VW/AUDI cars. We shall accumulate experience during the practice.