



T-201 Pro

Transmission Diagnostic Instrument

Product manual/Warranty card

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Introduction

Copyright information

Without the written consent of T-201 Pro, any company or individual may not copy and backup this instruction manual in any form (electronic, mechanical, photocopy, record or other forms).

Disclaimer

All information, specifications and illustrations in this instruction manual are the latest as of publication deadline currently. Xtruck reserves the rights to make changes without any further notice. The contents in the Instruction Manual have been carefully reviewed. The concrete operations are subject to the diagnostic software.

The company shall not be liable for any direct, indirect, special and other incidental damages or any indirect economic damages. Note: Before using the device, please read this Instruction Manual carefully, especially the safety precautions should be treated seriously.

Safety information

For your own and the safety of others, to avoid damage to the device and the vehicle, all personnel operating the device must read the safety precautions mentioned in this operation guide.

Due to the variety of tools, components and techniques used in vehicle inspection, and the different ways in which personnel operate, this Instruction Manual cannot predict or provide safety recommendations for every situation. It is the responsibility of the automotive inspection technician to have a full understanding of the vehicle and the vehicle system under test, and to select reasonable methods and test procedures for testing.

Please refer to and follow the safety information provided by the vehicle or the device manufacturer and applicable test procedures before using it.

Please use the device in accordance with this operation guide, and read, understand, and follow all safety information and instructions in the operation Guide.

Section 1 Product introduction

1.1 VCI appearance



Front of VCI



Back of VCI




Main test wire connection port



USB connection port

1.2 Product connector accessories

 Main test wire	 Universal jumper Box -II	 Multifunction wire jumper
 USB to Type-C data wire	 24V power adapter	

1.3 Actual product connection demonstration

Bluetooth connection



Wired connection

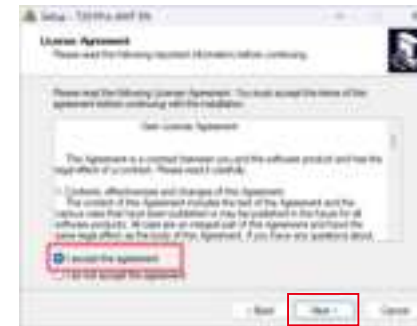


Section 2 Software installation

- It can be installed on windows PC. Open the T-201 Pro installation package to install it.



- Click "Next" to proceed, select "I accept the agreement" and click "Next" until the installation is completed, as shown below:

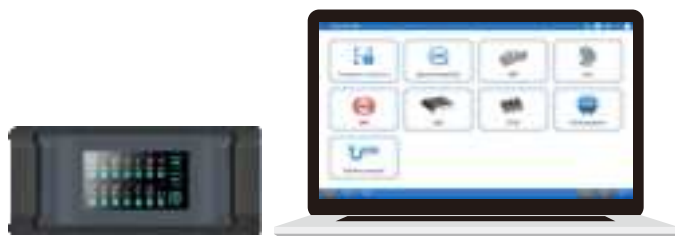


- After the installation, click [Finish], and the startup icon of T-201 Pro software will be generated on the desktop, as shown below:



Section 3 The usage of the product

T-201 Pro covers the detection of automatic transmission or retarder of Fast, ZF, Voith, Eaton, Dongfeng, FAW, SINOTRUK and other automatic transmission, retarder diagnosis, special functions, transmission self-learning, clutch related services self-learning, parameter configuration, status detection, data writing and other functions.



3.1 Connection methods

Note on the connection method of the product: The connection detection method of the product is wired connection and Bluetooth connection. The system will automatically identify the connection method when entering the detection menu after the host is powered on. As shown in the picture below:

The icon in Fig.1 indicates that the connection with the VCI is not connected or the connection fails. When this icon appears, it is necessary to check whether the wired connection between the VCI and the host is normal, and whether the power supply of the VCI is normal. After checking, click this icon, and the system will reconnect, as shown in Fig.2, the wired connection is successful.



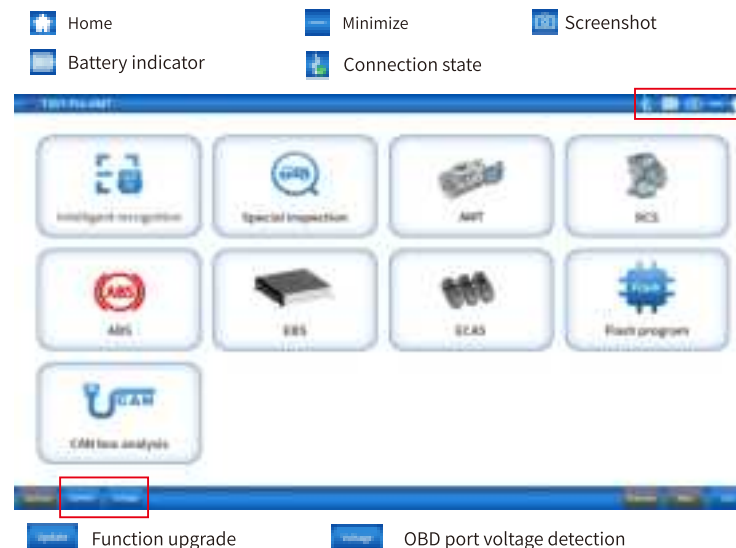
Fig. 1



Fig. 2

3.2 Using methods and menu selection

Double-click on the computer desktop to open the software icon, you can enter the home page of T-201 Pro as shown below:



• Function upgrade

Click the [Update] button in the lower left corner of the home page, and then the page will jump to the function upgrade dialog box, which is the version upgrade of resource file, gearbox, hydraulic retarder, anti-lock brake, electronic braking system, air suspension and brush, as shown below:



• Function upgrade

Plug the OBD port of the VCI into the OBD diagnostic seat on the car, click the [voltage] button in the lower left corner of the home page, then the page will jump to the OBD port voltage detection dialog box, click [View] to detect the pin voltage of the OBD diagnostic seat on the vehicle, as shown below:



3.3 Function introduction

Diagnostic function:

Take the ZF TraXon gearbox as an example to briefly demonstrate the system functions.

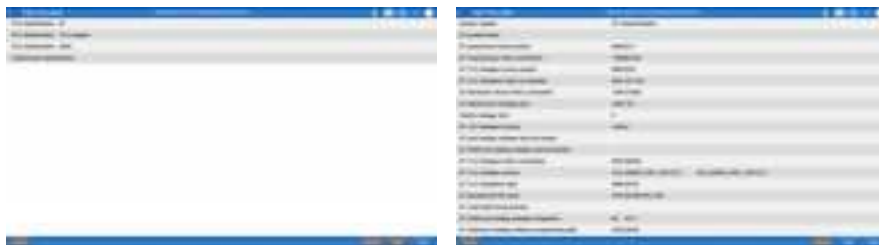
The path for entering the diagnostic system:

AMT - ZF - ZF TraXon gearbox, as shown below:



【Version information】

Read the version information to view TCU identification - ZF, TCU identification -TCU supplier, TCU identification -OEM, Transmission identification. Different transmission types have different version information.



【Read fault code】

Reading the fault code can understand the fault information of the current gearbox, and the user can judge the fault point according to the fault information, and quickly find the problem for maintenance.



【Read data stream】

For monitoring the real-time operation conditions of the vehicle, the user can judge the problem point according to the changes of the vehicle data flow and the fault code display, and better assist the user to judge the operating conditions of the entire vehicle.



【Special function】

Shift gears dynamically, Force shifting test, Clutch services, Transmission services, Configuration and other transmission testing services.



【Special Function】- Clutch service

Accelerated clutch adaptation (clutch self-learning), Contact point indication (clutch half-node learning), New clutch installed, Used clutch installed, Manual entry of clutch closing point, Delete clutch overload entries, Clutch separating behavior test.



【Special Features】- Transmission service

Compressed air supply for vehicle, Tilt sensor calibration (slope sensor self-learning), Calculate the rDyn coefficient (recalculate the rolling radius parameter, Piston leak test, Check selector actuator, Reset automatic error activation.



Packing list of T-201 Pro

Category	Name	Quantity	Category	Name	Quantity
Host class	VCI	1	Accessory class	Cigarette lighter	1
	Main test wire	1		Battery clamp wire	1
	Universal jumper Box -II	1		Safety tube 5A	2
	Multifunction wire jumper	1		Qualified Certificate	1
	USB to Type-C data wire	1		Product manual/ Warranty card	1
	24V power adapter	1		Plastic toolbox	1
				Carton	1



Warranty card

Warranty clause:

Welcome you to choose the company's series of products, in order to better use the product, we recommend that you maintain your products, and each use in accordance with the instructions of the user manual to operate, if your use meets this requirement, you have the product will be able to provide you with more long-term quality service.

1. In accordance with the following terms and conditions, and you have activated the machine or user registration, complete your real information, if the product has defects in materials or workmanship, the company will provide product warranty service.

2. You confirm that you have carefully read the product warranty terms, otherwise the company will be your online registration of perfect information as you have agreed to and accepted the warranty terms.

3. Your products must be purchased through the company's authorized product distributor. For products purchased through non-normal channels, the purchaser shall bear the cost of product maintenance services.

4. Product the following items: product instruction for use, inner and outer packing, easy loss items don't belong to the warranty scope.

5. From the date of purchase of the product (subject to the valid purchase certificate and valid warranty card of the product), if the product has a performance failure that is not caused by human damage, you can choose to repair the product or replace the same model of the product within one month. You can enjoy the free warranty service of the main engine and VCI connector within one year, and the warranty of other accessories is three months.

6. Products in the following either case, your product will not be able to enjoy free warranty service:

(1) Failure, defect or defect not caused by the quality of the company's products; Including your use of the product in accordance with the product instructions, improper operation of the product, impact, drop, self-disassembly, connection of improper parts, improper transportation or storage of the product, resulting in pressure damage, corrosion and rust caused by infiltration of liquid or food.

(2) Natural wear of products: including but not limited to shell, accessories, etc.

(3) Product host serial number and warranty card product serial number does not match, product quality inspection label or bar code is removed, altered or damaged.

(4) Repairs and modifications not approved by the company.

7. The product quality problem or malfunction in warranty, you can take the following measures:

(1) You can self-check the product according to the product help information, if there is no hardware quality problem, you can try to upgrade the product.

(2) You can call the company's customer service hotline to get the correct service information.

(3) After obtaining an effective reply from the company, you must send the product to the address designated by the company for repair and maintenance, otherwise your product can not be repaired and maintained in time, and if it is lost, the consequences are at your own risk.

8. Products in the process of warranty service, you will bear the products delivered or sent to the company designated place before the related expenses: including product packaging, transportation, transportation, insurance, etc.

9. According to the terms of this warranty you enjoy free warranty service is the product defects within the warranty period of the loss of the only proof; For your legitimate rights and interests, please carefully read and properly keep this warranty card.

10. All product warranty information, product function and change in the specification, will be published on the company's latest promotional materials and website, without prior notice.

Return receipt

Product name: **T-201 Pro** Product model: _____

Product serial number: _____ Sale date: _____

Unit address: _____

Phone/Fax: _____ Dealer confirmation: _____

Company name (seal): _____ Dealer phone: _____

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- * Reorient or relocate the receiving antenna.
- * Increase the separation between the equipment and receiver.
- * Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- * Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement.

The device can be used in 0mm exposure condition, compliance with exposure requirements.

Only in the stated conditions, the device is shown to fully comply with the FCC RF Exposure requirements of KDB 447498.