AUTOOL CS603 / CS605 / CS606

Auto Diagnostic Scanner

User Manual

AUTOOL®

FC CE ♻ RoHS
Made In China

COPYRIGHT INFORMATION

TABLE OF CONTENTS

- -

PRODUCT INTRODUCTION

- -

Technical specifications

Screen Display	7'Color
Dimension (LxWxH)	240x160x110mm
Gross Weight	0.85kg
OS Platform	Linux
Card Memory	16G
Input Voltage	DC 12V

- -

Cable connection for on-board diagnosis
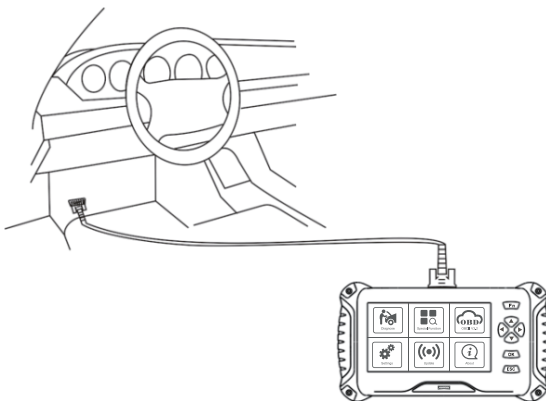
⚠ **Connection**

▶ To connect the CS603 / CS605 / CS606 main unit with the main cable to get power supply from the car via OBDII-16 connector.

PRODUCT STRUCTURE

**Structure
diagram**
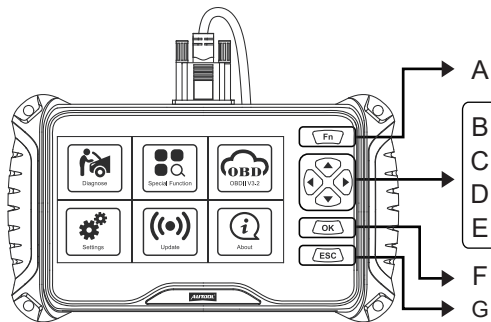
A	FN Key	B	Up button
C	Down button	D	Left button
E	Right button	F	OK button
G	ESC button		
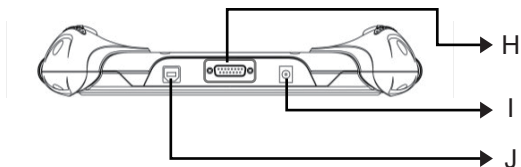
H	For main cable connection	I	Power port
J	For USB connection		

OPERATIONS INSTRUCTION

- -

FN Key
(3-in-1 Func-
tions defined)

FN #1 : Selection

- Press FN key to select the items in live data function.
- After pressing OK, the live data will be displayed in graphic.

IGN RUN START SW	ON
IGN STSRT SW	OFF
Ignition Start Switch Filter Switch State	OFF
√ MAP Vacuum	0.00 (in Hg)
√ Map Volts	4.92 (Volts)

FN #2 : Show/Hide keyboard

- Press FN key to show or hide the keyboard.

Input Channel Number													
0	1	2	3	4	5	6	7	8	9	。	BACK		
Q	W	E	R	T	Y	U	I	O	P	,	ENTER		
A	S	D	F	G	H	J	K	L	)	-		UP	
Z	X	C	V	B	N	M	/	*	(	_	LE	DN	RI
abc		SPACE											

FN #3: Shift operation area

- Different operation areas can be switched among each other by pressing the FN key during the special testing.

5

Auto Shutdown (ASD) Relay	
Auto Shutdown (ASD) Relay Control State	
Off	F1
On	F2
Toggle	F3

BACK	F1	F2

- Press FN key, the display area will be highlighted as above.
- Press the up and down button to view more information.

Auto Shutdown (ASD) Relay	
Auto Shutdown (ASD) Relay Control State	
Off	F1
On	F2
Toggle	F3

BACK	F1	F2

- Press FN key, the function area will be highlighted as above.
- Press the left and right button to actuate more test.

Main menu
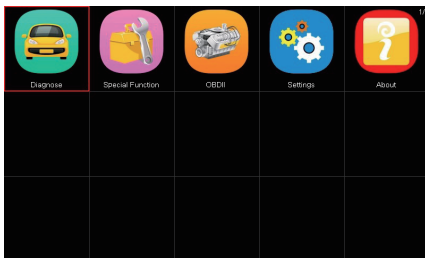
- **Diagnose:**
  To access specific diagnosis function directly base on selection of the areas as well as the car makes.

6

- **Special Functions:**
  To provide 5 common use service resets for the professional workshop repairs.

- **OBDII V3.0:**
  10 modes of OBDII test for cars after 1996 and newer including read / erase codes, view live data, view freeze frame data, view I / M readiness, O2 monitor test etc.

- **Settings:**
  To provide the system setting, including Language , logging, unit setting and Bluetooth setting.

- **Update:**
  To access online software update for full coverage. Internet update via WI-FI.

- **About:**
  To provide the system information menu.

Diagnose - Region selection
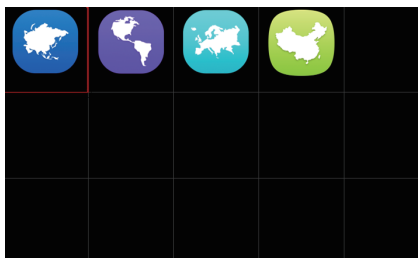
Diagnose - Vehicle coverage

Please note that the VT100 is a vehicle-specific car diagnostic tool. Therefore, it only supports vehicles of a specific car group, which depends on the pre-installed car brand software. For the blank version machine, please contact us to install your selected car brand software.

American	**Vehicle coverage:** GM, FORD, CHRYSLER.
Asian	**Vehicle coverage:** TOYOTA, LEXUS, HONDA, ACURA, NISSAN, INFINITI, HYUNDAI, KIA, SUBARU, ISUZU, SUZUKI, MAZDA, MITSUBISHI,etc.
Chinese	**Vehicle coverage:** BYD, CHANA, CHEYR, GEELY, GWM, LIFAN, etc.
European	**Vehicle coverage:** BMW, MERCEDES-BENZ, CITROEN, VOLVO, PEUGEOT, FIAT, OPEL, LANDROVER, AUDI, JAGUAR, VAUXHALL, VOLKSWAGEN, RENAULT, etc.

Diagnose - Vehicle identification

CHRYSLE	
1	**Automatic selection**
2	**Manual selection**

- **Automatic selection**
  The diagnostic system features the latest VIN-based Auto VIN Scan function to identify CAN vehicles in just one touch, which allows the technician to quickly detect vehicles, scan all the diagnosable ECUs on every vehicle and run diagnostics on the selected system.

- **Manual selection**
  This mode of vehicle selection is menu driven; you can make a series of choices, Each selection you make advances you to the next screen. A Back button returns you to the previous screen. Exact procedures may vary somewhat by various vehicles being serviced.

Diagnose - Control unit

Control Unit	
1	**Powertrain Control Module**
2	**Transmission Control Module**
3	**Anti Lock Brakes**
4	**AirBag**

- This option allows you to manually locate a required control system for testing through a series of choices. Follow the menu driven procedures and make proper selections; the application will guide you to the diagnostic function menu after a few choices you're made.

Diagnose - Function selection

Powertrain Control Module	
1	**Computer identification**
2	**Read fault code**
3	**Clear fault code**
4	**Read data stream**

The Function Menu options vary slightly for different vehicles. The function menu may include:

- **Computer identification:**

  Provides the retrieved ECU information in detail. An information screen opens upon selection.

- **Read fault code:**

  Displays detailed information of DTC records retrieved from the vehicle control module.

- **Clear fault code:**

  Erases DTC records and other data from the test vehicle's ECU.

- **Read data stream:**

  Retrieves and displays data stream and parameters from the vehicle's ECU.

Diagnose - ECU information

Vehicle Information	
Model Year	**2010.00**
ECU Part No.	**68045613AE**
Body Style	**Station Wagon**
Vehicle Line	**RT**
VIN-Original	**2D4RN4DE0AR 473865**

- The function retrieves and displays the specific information for the tested control unit, including unit type, version numbers and other specifications. The sample Vehicle Information screen displays as above.

- During an active test, the tester outputs commands to the ECU in order todrive the actuators. This test determines the integrity of the system or parts by reading the engine ECU data, or by monitoring the operation of the actuators, such as switching a solenoid, relay, or switch, between two operating states.

**Diagnose -
Read fault
code**

Fault code list	
P0522	Engine Oil Pressure Sensor
U0141	Low Communication with IPM (FCM/TIPM) [Active]
P0685	ASD/Main Control Circuit [Active]
P0627	Fuel Pump Control Circuit/Open

- This function retrieves and displays the DTCs from the vehicle's control system. The Fault code list screen varies for each vehicle being tested. On some vehicles, freeze frame data can also be retrieved for viewing. The sample Read Codes screen displays as above.

**Diagnose -
Clear fault
code**

Information
Do you want to erase all the fault code (s)?

| Yes | No |

- After reading the retrieved codes and making appropriate vehicle repairs, use this function to clear fault code.

**Diagnose -
Data stream**

CHRYSLER	
Current Fuel Shutoff	**ASD**
SKIM VTA Invalid Key Received Fault Posted	**False**
NGC Should Shut Off Fuel	**Fuel On**
SKIM/VATA Has Completed	**False**
IGN RUN START SW	**On**

- When this function is selected, the screen displays the data list for the selected module. The items available for any control module vary by vehicle. The parameters display in the order that they are transmitted by the ECM, so expect variation between vehicles.

**Special
function**
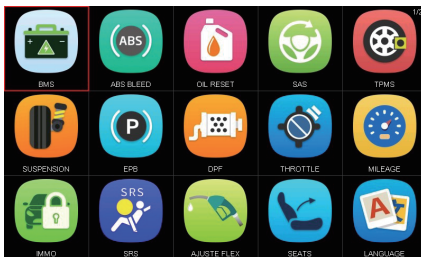
- These functions perform various component adaptations, allowing you to recalibrate or configure certain components after some maintenance or replacement.

**Definition
of special
function**

- **Oil Light Reset**
  This function allows you to perform reset for the Engine Oil Life system, which calculations An optional oil life change interval depending on the vehicle driving conditions and climates. The Oil Life Reminder must be reset every time the oil is changed,

so the system can calculate when the next oil change is required.

- **EPB Reset**

  This function has a multitude of usages to maintain the electronic braking system safely and effectively. The applications include deactivating and activating the brake control system, assisting with brake fluid control, opening and closing brake pads, and setting brakes after disc or pad replacement, etc

- **ABS Bleeding**

  This function allows you to perform various bi-directional tests to check the operating conditions of Anti-lock Braking System (ABS).

  (1) When the ABS contains air, the ABS bleeding function must be performed to bleed the brake system to restore ABS brake sensitivity.

  (2) If the ABS computer, ABS pump, brake master cylinder, brake cylinder, brake line, or brake fluid is replaced, the ABS bleeding function must be performed to bleed the ABS.

- **Throttle Relearn**

  This function enables you to make initial settings to throttle actuators and returns the "learned" values stored on ECU to the default state. Doing so can accurately control the actions of regulating throttle (or idle engine) to adjust the amount of air intake.

- **SAS Reset**

  To reset the steering angle, first find the relative zero point position for the car to drive in straight line. Taking this position as reference, the ECU can calculate the accurate angle for left and right steering. After replacing the steering angle position sensor, replacing steering mechanical parts (such as steering gearbox, steering column, end tie rod, steering knuckle), performing four-wheel alignment, or recovering car body, you must reset the steering angle.

- -

About

Product Serial Number: VT1000002
Register Password: VTTXCN02
Firmware Version: 7001.7048
System Software Version: 5.72
(NOT SUPPORT USB MODE)

- **About :**
  Display the system information including the register password, firmware version, system software version and company information.

- -

OBDII function

Please Select the Nameplate:	
[1]	**Read Current Trouble Code**
[2]	**Clear Trouble Code**
[3]	**Read Current Data**
[4]	**Read Pending Trouble Code**
[5]	**Read Freeze Frame Data**
[6]	**Readiness Tests**
[7]	**On-Board Monitoring Test**
[8]	**Read System Information**

This section describes the various functions of each option:

- Stored codes are the current emission-related DTCs from the ECM of the vehicle. OBD II/EOBD Codes have a priority according to their emission severity, with higher priority codes overwriting lower priority codes.

- This option is used to clear all emission-related diagnostic data

such as, DTCs, Freeze frame data and manufacturer-specific enhanced data from the vehicle's ECM, and reset the I/M Readiness Monitor Status for all vehicle's ECM.

- This function displays the real time PID data from ECU. Displayed data includes analog inputs and outputs, digital inputs and outputs, and system status information broadcast on the vehicle data stream.

- These are codes that were generated during the last drive cycle, but before the DTC actually sets, two or more consecutive drive cycles are needed. The service is to assist the service technician after a vehicle repair and after clearing diagnostic information, by expect or see differences between makes.

- Typically, the stored frame is the last DTC that occurred. Certain DTCs that have a greater impact on vehicle emission, have a higher priority. The top prioritized DTC is the one for which the freeze frame records are retained.

- This function is used to check the readiness of the monitoring system. It is an excellent function to use prior to having a vehicle inspected for state emissions compliance. Select I/M readiness to display a sub menu with two choice.

- Use this option to view the result of On-Board Monitor tests. The tests are useful after servicing or after erasing a vehicle's control module memory.

- The option displays the vehicle identification number (VIN), the and other information of the test vehicle.

DTC library ● DTC search function

Log upload function ● "Feedback" (log upload function)

Setting
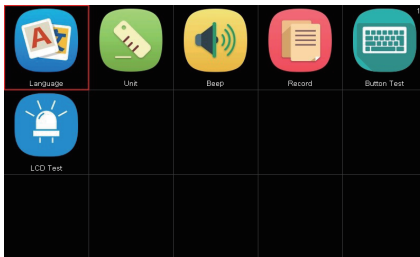
Language	Display multi-languages function menu. Total 18 languages optional. Only 2 languages loaded before delivery: English + local language
Unit	Display unit setting menu. Unit includes: Metric and English units. Press OK to change the unit setting selection.
Beep	Display beep setting menu. Beep includes: On and Off. Press OK to change the beep setting selection.
Record	Display record setting menu. Record includes: On and Off. Press OK to change the record setting selection. This function allows data recording during the car testing.
Button Test	Display button function menu. Press the FN key for 2 seconds to quit the button test.
LCD Test	Display LCD test function menu. Press ESC to quit the LCD test.

FAQ

Why cannot install AUTOOL update client correctly?

● After installing the AUTOOL Update Client software, the system won't accept the serial number for the auto scanner.

⚠ NOTE

▶ You need to connect auto scanner to PC with the USB cable before software download.

Why the vehicle linking error?

● A communication error occurs if the auto scanner fails to communicate with the vehicle ECU. Follow the steps to check the connections:

  (1) Verify the ignition is ON.

  (2) Check the cable or connector is securely connected to the vehicle DLC.

  (3) Turn the ignition off and wait for about 10 seconds and turn the ignition back to ON and continue the testing.

  (4) Verify the control module is not defective.

Why the device doesn't power up?

● If the auto scanner won't power up or operate correctly in any other way, follow the steps to check the connections:

  (1) Check the connector properly inserted to the socket seat.

  (2) Check the DLC pins bent or broken.

  (3) Clean the DLC pins if necessary.

Why the device have no permission to update?

● Please contact the local distributor to get authorization.

Why cannot find the WIFI name?

● The device can only display the Wifi name consisting of English character or numbers.

How to set Wifi if the mobile is iPhone 11 or higher version?

● Click the Settings from the iPhone mobile to access Personal Hotspot. Click Allow Others to Join and input Wi-Fi Password and meanwhile switch on Maximize Compatibility.

Settings   Personal Hotspot

Personal Hotspot on your iPhone can provide Internet access to other devices signed into your iCloud account without requiring you to enter the password.

Allow Others to Join ⬤

Wi-Fi Password   12345678 ›

Allow other users or devices not signed into iCloud to look for your shared network "Oliver " when you are in Personal Hotspot settings or when you turn it on in Control Center.

Maximize Compatibility ⬤

Internet performance may be reduced for devices connected to your hotspot when turned on.

TO CONNECT USING WI-FI
1. Choose "Oliver" from the Wi-Fi settings on your computer or other device.
2. Enter the password when prompted.

Warranty

12 - Month Limited Warranty

- AUTOOL warrants to the original retail purchaser of this AUTOOL auto scanner, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within twelve (12) months period from the date of delivery, such defects will be repaired, or replaced (with new or rebuilt parts) with Proof of Purchase, at the Company's option, without charge for parts or labor directly related to the defects.

- The Company shall not be liable for any incidental or consequential damages arising from the use, misuse, or mounting of the auto scanner. Some states do not allow limitation on how long an implied warranty lasts, so the above limitations may not apply to you.

This warranty does not apply to:

- Product subject to abnormal use or conditions, accident, mishandling, neglect, unauthorized alternation, misuse, improper installation or repair or improper storage;
- Products whose mechanical serial number or electronic serial number has been removed, altered or defected;
- Damage from expose to excessive temperatures or extreme environmental conditions;
- Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- Defects in appearance, cosmetic, decorative or structural items such as framing and non operative parts;
- Product damaged from external causes such as fire, dirt, sand, battery leakage, blown fuse, theft or improper usage of any electrical source.

⚠ IMPORTANT

▶ All contents of the product may be deleted during the process of repair. You should create a back-up copy of any contents of your product before delivering the product for warranty service.

- -

Update instructions and procedures

Update

**Via WIFI
Update via WIFI mode**

**Via USB
Update via USB mode**

UPDATE
Searching Wifi ...
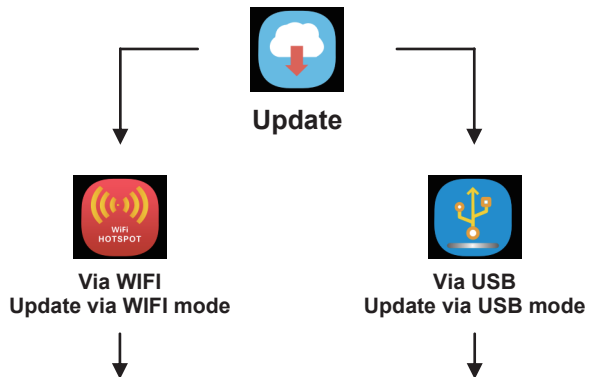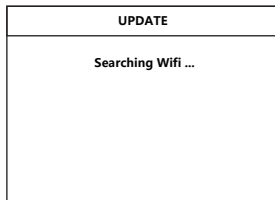
Step 1
Searching WIFI signal
after selecting the WIFI icon.

↓

Please Select the Nameplate:		
[1]	Internet Telcel HH41NH_BE7B	e4:e1:30:82:8e:7b	80
[2]	PRD	c0:b4:7d:63:ae:94	88
[3]	PRD_Wi-Fi5	c0:b4:7d:f3:ae:99	78
[4]	AUTOOL 5G	f4:2a:7d:50:a6:88	77
[5]	FEIKEYY	64:6e:97:a4:71:b8	76

Step 2
The system will list all
HOTSPOT on site.

↓

PASSWORD
1a2345

0	1	2	3	4	5	6	7	8	9	.
q	w	e	r	t	y	u	i	o	p	,
a	s	d	f	g	h	j	k	l	)	-
z	x	c	v	b	n	m	/	*	(	_
ABC	SPACE	Backspace

Step 3
Input the password if necessary.

↓

INFORMATION
1. Make sure the update client has been installed in your PC (Windows 7/8/10 only). **2.** Make sure the device and your PC connect with USB cable. **3.** Press "OK", the device will restart and enter the update mode. **4.** Run the update client in your PC,
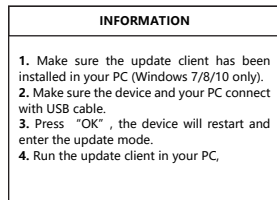
Step 1
The information mentioned above
will be displayed during the update.

↓

PC — USB

Step 2
Connect the PC to CS603 / CS605 /
CS606 main unit with USB cable.

↓

Downloads
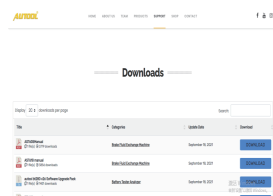
Step 3
Visit the website
www.autooltech.com

↓

UPDATE
Connecting Wifi ...

Step 4
Connecting the WIFI
during the testing.

VdiagUpdate Client 8.0 Installation

Ready to Install
Setup is now ready to begin installing the Update Client
on your computer.

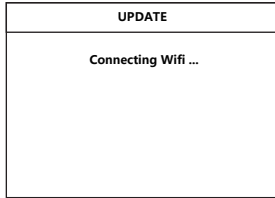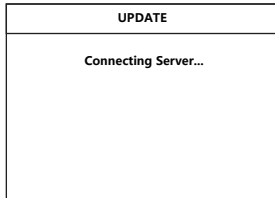Click Install to continue with the installation, or click Back if you want to review or change any settings.

Destination folder:
C:\Vdiagtool\Vdiag Update Client

Additional shortcuts:
Create a Desktop icon

< Back   Next >   Cancel

Step 4
Download AUTOOL Update Client
to PC according to the instructions.

UPDATE
Connecting Server...

Step 5
Connect the Server as above.

Registration

Name		Address	
Phone		Contact	
Fax		Position	
		Website	
		Email	

Reset   Submit
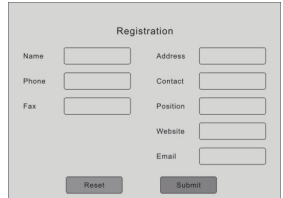
Step 5
Input the necessary information
during the first registration.

UPDATE				
√	[1]	AMFORD, EUR FORD	5.82	37.81MB
	[2]	BENZ	4.22	19.54MB
√	[3]	BMW	3.7	7.01MB
	[4]	CHANA	3.14	4.29MB

Step 6
Select the car makes for update
according to the demands.

Update Selected   Update All

| ALFA | ALFA 1.1   2017-7-02-21 | 2.41 MB | Download |
| | V1.1 the software can diagnose the electric control system of Alfa Romeo | | |

| AM FORD | AM FORD 1.1   2017-7-02-17 | 3.44 MB | Download |
| | V1.1 can read American vehicle that include Ford,Lincoln and Mercury | | |

| AUDI | AUDI 1.12   2017-7-02-17 | 5.37 MB | Download |
| | V1.12 The version can diagnose AUDI up to 2015,including Audi A1,Audi A3,Audi A4,Audi A5,Audi A6,Audi A8,Audi Q3,the Audi A4,Audi TT and so on. | | |

Step 6
Select the car makes for update
according to the demands.

DESCRIPTION OF ACCESSORIES

- -

Name	Name
Nylon tool bag	Main unit
Main cable with OBDII-16	USB cable
User Manual	

MAINTENANCE SERVICE

- -

Our products are made of long-lasting and durable materials, and we insist on perfect production process. Each product leaves the factory after 35 procedures and 12 times of testing and inspection work, which ensures that each product has excellent quality and performance.

- -

Maintenance   To maintain the performance and appearance of the product, it is recommended that the following product care guidelines be read carefully:

- Be careful not to rub the product against rough surfaces or wear the product, especially the sheet metal housing.

- Please regularly check the product parts that need to be tightened and connected. If found loose, please tighten it in time to ensure the safe operation of the equipment. The external and internal parts of the equipment in contact with various chemical media should be frequently treated with anti-corrosion treatment such as rust removal and painting to improve the corrosion resistance of the equipment and extend its service life.

- Comply with the safe operating procedures and do not overload the equipment. The safety guards of the products are complete and reliable.

- Unsafe factors are to be eliminated in time. The circuit part should be checked thoroughly and the aging wires should be replaced in time.

- Adjust the clearance of various parts and replace worn (broken) parts. Avoid contact with corrosive liquids.

- When not in use, please store the product in a dry place. Do not store the product in hot, humid, or non-ventilated places.

WARRANTY

From the date of receipt, we provide a three-year warranty for the main unit and all the accessories included are covered by a one-year warranty.

Warranty access

- The repair or replacement of products is determined by the actual breakdown situation of product.
- It is guaranteed that AUTOOL will use brand new component, accessory or device in terms of repair or replacement.
- If the product fails within 90 days after the customer receives it, the buyer should provide both video and picture, and we will bear the shipping cost and provide the accessories for the customer to replace it free of charge. While the product is received for more than 90 days, the customer will bear the appropriate cost and we will provide the parts to the customer for replacement free of charge.

These conditions below shall not be in warranty range

- The product is not purchased through official or authorized channels.
- The product breakdown because the user does not follow product instructions to use or maintain the product.

We AUTOOL pride ourselves on superb design and excellent service. It would be our pleasure to provide you with any further support or services.

Disclaimer

All information, illustrations, and specifications contained in this manual, AUTOOL resumes the right of modify this manual and the machine itself with no prior notice. The physical appearance and color may differ from what is shown in the manual, please refer to the actual product. Every effort has been made to make all descriptions in the book accurate, but inevitably there are still inaccuracies, if in doubt, please contact your dealer or AUTOOL after-service centre, we are not responsible for any consequences arising from misunderstandings.

RETURN & EXCHANGE SERVICE

Return & Exchange

- If you are an AUTOOL user and are not satisfied with the AUTOOL products purchased from the online authorized shopping platform and offline authorized dealers, you can return the products within seven days from the date of receipt; or you may exchange it for another product of the same value within 30 days from the date of delivery.

- Returned and exchanged products must be in fully saleable condition with documentation of the relevant bill of sale, all relevant accessories and original packaging.

- AUTOOL will inspect the returned items to ensure that they are in good condition and eligible. Any item that does not pass inspection will be returned to you and you will not receive a refund for the item.

- You can exchange the product through the customer service center or AUTOOL authorized distributors; the policy of return and exchange is to return the product from where it was purchased. If there are difficulties or problems with your return or exchange, please contact AUTOOL Customer Service.

China	400-032-0988
Oversea Zone	+86 0755 23304822
E-mail	aftersale@autooltech.com
Facebook	https://www.facebook.com/autool.vip
YouTube	https://www.youtube.com/c/autooltech