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damages, so certain of the above limitations or exclusions may not apply to you (the Consumer). This limited warranty gives the Consumer specific legal rights and the Consumer may also have other rights which vary from state to state.

Safety Information

For your own safety and the safety of others, and to prevent damage to the equipment and vehicles, read this manual thoroughly before operating your tool. The safety messages presented below and throughout this user's manual are reminders to the operator to exercise extreme care when using this device. Always refer to and follow safety messages and test procedures provided by vehicle manufacturer. Read, understand and follow all safety messages and instructions in this manual.

Safety Message Conventions Used

We provide safety messages to help prevent personal injury and equipment damage. Below are signal words we used to indicate the hazard level in a condition.

A DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or to bystanders.

Indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

Important Safety Instructions

And always use your tool as described in the user's manual, and follow all safety messages.

- Do not route the test cable in a manner that would interfere with driving controls.
- Do not exceed voltage limits between inputs specified in this user's manual.
- Always wear ANSI approved goggles to protect your eyes from propelled objects as well as hot or caustic liquids.
- Fuel, oil vapors, hot steam, hot toxic exhaust gases, acid, refrigerant and other debris produced by a malfunction engine can cause serious injury or death. Do not use the tool in areas where explosive vapor may collect,

such as in below-ground pits, confined areas, or areas that are less than 18 inches (45 cm) above the floor.

- Do not smoke, strike a match, or cause a spark near the vehicle while testing and keep all sparks, heated items and open flames away from the battery and fuel / fuel vapors as they are highly flammable.
- Keep a dry chemical fire extinguisher suitable for gasoline, chemical and electrical fires in work area.
- Always be aware of rotating parts that move at high speed when an engine is running and keep a safe distance from these parts as well as other potentially moving objects to avoid serious injury.
- Do not touch engine components that get very hot when an engine is running to avoid severe burns.
- Block drive wheels before testing with engine running. Put the transmission in park (for automatic transmission) or neutral (for manual transmission). And never leave a running engine unattended.
- Do not wear jewelry or loose fitting clothing when working on engine.

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1 Using This Manual

We provide tool usage instructions in this manual. Below are the conventions we used in the manual.

1.1 Bold Text

Bold text is used to highlight selectable items such as buttons and menu options.

Example:

Select Diagnostic from the Home screen of the i70TS application.

1.2 Symbols and Icons

1.2.1 Solid Spot

Operation tips and lists that apply to specific tool are introduced by a solid spot •.

Example:

When VIN hotkey is selected, a menu that lists all available options displays. Menu options include:

- Automatic Read
- Scan VIN
- Manual Entry

1.2.2 Arrow Icon

► An arrow icon indicates a procedure.

Example:

To connect to wall plug:

- 1. Connect the USB charge cable to scanner and plug it to the wall socket.
- 2. Press the power switch of the scan tool to power it on; meanwhile the scanner tool starts charging automatically also.

1.2.3 Note and Important Message

Note

A NOTE provides helpful information such as additional explanations, tips, and comments.

Example:

NOTE

Test results do not necessarily indicate a faulty component or system.

Important

IMPORTANT indicates a situation, which if not avoided, may result in damage to the test equipment or vehicle.

Example:

IMPORTANT

Do not soak scanner as water might find its way into the scanner.

2 Introduction

The brand new Android scan tool **i70TS** inherits the same Foxwell advantages in car fault diagnostic tech, such as multi manufacturer coverage, service functions and accurate test data, making it the perfect tool for busy garages or workshops, who need the latest technology at unbeatable value.

2.1 Scanner Descriptions

This section illustrates external features, ports and connectors of the scanner.



Figure 2-1 Front View

1 7" LCD IPS Capacitive Touch Screen- shows menus, test results and operation tips.

2 Power Status Indicator - indicates the power status of the scanner.



Figure 2-2 Top View

③ **Power Switch** - turns on the scanner, goes to sleep mode or wake up the scanner from sleep mode, press and hold for 3 seconds for emergency shutdown.

④ **USB Type-C Port** - connects to wall plug to charge the scanner and can be used for data transfer.

(5) USB Port - provides a USB connection for the external storage devices, oscilloscope or video scope etc.

IMPORTANT

Do not use solvents such as alcohol to clean display. Use a mild nonabrasive detergent and a soft cotton cloth.

2.2 Accessories

This section lists the accessories that go with the scanner. If you find any of the following items missing from your package, contact your local dealer for assistance.



Table 2-1 Accessories

2.3 Technical Specifications

Item	Description
Screen	7" diagonal, daylight readable color LCD screen; 1024*600 pixel
Operation System	Android 9.0
Processor	Quad-CORE, 1.3GHz
Memory	1GB
SSD Hard drive	32GB
Communication interface	Built-in WIFI 802.11 b/g/n Wireless LAN USB2.0 OTG/standard USB 2.0 HOST

	Bluetooth specification v2.1+EDR; Bluetooth 4.0 Low Energy (LE) (10-20 m)
Camera	5 megapixels rear-facing
Built-in Battery	4000mAh, Lithium-polymer battery, chargeable via 5V USB power supply
Protocols	ISO9141-2, ISO14230-2, ISO15765-4, K/L lines, Double K Line SAE-J1850 VPW,SAE-J1850PWM,CAN ISO 11898, High-speed, Middle-speed, Lows-peed and Single wire CAN, KW81, KW82, GM UART, UART Echo Byte Protocol, Honda Diag-H Protocol, TP2.0, TP1.6, SAE J1939, SAE J1708,Fault-Tolerant CAN, CAN FD, DOIP
Working Temperature	-10 to 70°C
Storage Temperature	-20 to 80°C
Operating Humidity	5%-95% Non-Condensing
Dimensions	205*135*30mm (L*W*H)
Weight	0.87kg (Main unit)

Table 2-2 Technical Specifications

3 Getting Started

This section describes how to power on/down the scanner, provides brief introductions of applications loaded on the scanner and display screen layout of the scan tool.

3.1 Powering up the Scanner

Before using the **i70TS** applications (including updating the scanner), please make sure to provide power to the scanner.

The unit operates on any of the following sources:

- Internal Battery Pack
- External Power Supply

3.1.1 Internal Battery Pack

The tablet scanner can be powered with the internal rechargeable battery. The fully charged battery is capable of providing power for 5 hours of continuous operation.

NOTE

Please turn off the tablet to save power when not use.

3.1.2 External Power Supply

The tablet can also be powered from a wall socket using the USB charging adapter. The tablet also charges its internal battery pack through USB Type-C cable.

3.2 Shutting Down the Scanner

All vehicle communication must be terminated before shutting down the scanner. Exit the Diagnostic application before powering down.

- To shut down the scanner:
 - 1. Press and hold the Power button of the scanner for 5 seconds.
 - 2. Click the **Power off** to shut down or **Reboot** to restart.

3.3 Screen Layout of Home Screen

After the scanner turning on, the screen show main menu of the application.



Figure 3-1 Sample Home Screen

3.3.1 Application Menu



Figure 3-2 Sample Application Screen

14 Automotive Diagnostic & TPMS Scanner i70TS User's Manual V1.0 This section briefly introduces the applications that are preloaded into the scanner:

- **Diagnostic** leads to test screens for diagnostic trouble code information, freeze frame, live data and ECU information.
- TPMS leads to screens for TPMS function.
- OE leads to screens for OE number of tpms sensors.
- Maintenance leads to screens for common used special functions like Oil light reset, EPB, BRT, and DPF etc.
- Update leads to screens for Foxwell ID registration and updating the scanner.
- Data Manager leads to screens for saved screenshots, pictures and test reports, and playing back live data, as well as debug logging data.
- My Account displays your Foxwell ID information like registered products and personal information and allows for sending us feedbacks about the scanner.
- **Remote Control** leads to TeamViewer to get remote support from Foxwell team or remote vehicle diagnostic.
- Settings leads to screens for adjusting default settings to meet your own preference and view information about the scanner.
- Functions Query the functions of model supported by the scanner.
- VCI Manager VCI firmware update.

3.3.2 Diagnostic Menu

Touch **Diagnostic** at the **i70TS** application menu, and the Diagnostic menu will display. The operations of the buttons of Diagnostic menu are described in the below table.



Figure 3-3 Sample Diagnostic Menu Screen

No.	Name	Description			
1	Back	Back to the previous screen.			
2	Home	Back to the Application Menu.			

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3	VIN	Shortcut for VIN reading menu, which typically includes Automatic Read, Scan VIN and Manual Entry.
4	Search	Lets you search a vehicle make quickly.
5	History	Displays the tested vehicle records.
6	Area	Displays car makes from different origins like America, Asia, Europe and Chinese.

Table 3-1	Title Bar	of Diagnostic	Menus
-----------	-----------	---------------	-------

4 Vehicle Identification

This section illustrates how to use the scanner to identify the specifications of the vehicle under test.

The vehicle identification information presented is provided by the ECM of the vehicle being tested. Therefore, certain attributes of the test vehicle must be entered into the scan tool to ensure the data displays correctly. The vehicle identification sequence is menu driven. Simply follow the screen prompts and make a series of choices. Each selection you make advances you to the next screen. Exact procedures may vary somewhat by vehicle.

It typically identifies a vehicle by any of the following means:

- VIN Reading
- Manual Selection

NOTE

Not all identification options listed above are applicable to all vehicles. Available options may vary by vehicle manufacturer.

4.1 Vehicle Connection

To connect to vehicle power:

1. Locate the data link connector (DLC). The DLC is generally located under the dash on the driver side of the vehicle.



Figure 4-1 Vehicle Connection Screen

- 2. Attached the diagnostic cable to the scanner and tighten the captive screws to ensure good connection.
- 3. Connect a correct adapter to the data cable according to the vehicle being serviced and plug it into the vehicle DLC.

Switch the ignition key to the ON position.

4.2 VIN Reading

VIN button () on the title bar is a shortcut for VIN reading menu, which includes **Automatic Read**, **Manual Entry**, eliminating the need for navigating through complicated car identification process.

(•	VIN	KC 🛜 100% 🖬 08:58
1	Automatic Read		
2	Manual Entry		

Figure 4-2 Sample VIN Hotkey Screen

4.2.1 Automatic Read

Automatic Read allows to identify a vehicle by automatically reading the vehicle identification number (VIN).

- To identify a vehicle by Automatic Read:
 - 1. Select Diagnostic from home screen of the i70TS application.
 - 2. Click VIN and choose Automatic Read from the option list.

3. When the scan tool builds connection with the vehicle, the VIN number displays. If the Vehicle Specification or VIN code is correct, press the ${\bf OK}$ to continue

	*	VIN		VC 😌 💎 100% 🗎 08:59
8	Automatic Read			
8	Manual Entry			
		Stanning protocol:TP2.0(500K)		
			Cancel	

Figure 4-3 Sample Automatic Read Screen

4. If it takes too long to get the VIN code, press **Cancel** to stop and input the VIN manually. Or if failed to identify the VIN, please input the VIN manually or click **Cancel** to quit.

	÷.	VIN	VC1 🧇 1001 🗎 09:00
-		Manual Entry	
8	Manual Entry		
		The VIN number of the vehicle is not identified. Please input the VIN manually.	
		VIN	
		OK Cancel	

Figure 4-4 Sample Automatic Read Screen

4.2.2 Manual Entry

Manual Entry allows to identify a vehicle by inputting VIN manually.

. To identify a vehicle by Manual Entry:

- 1. Select **Diagnostic** from home screen of the **i70TS** application.
- 2. Click VIN and choose Manual Entry from the option list.
- 3. Press Keyboard button to input a valid VIN code and press **OK** to continue.

				VC' 🗇 100% 🗎 09:06
٠				
2	Manual Entry			
	VIN			
		ок	Cancel	

Figure 4-5 Sample Manual Entry Screen

4.3 Manual Selection

Select vehicle brand you are to test, and two ways of getting to the diagnostic operations are available.

- Smart VIN
- Manual Selection

	BMW V2.30.009	0.0V	A	٠	8	-	VC 🛜 100% 🕈 09:07
Start Nev	v Session						
1 Sma	artVIN						
2 Man	ual Selec	ction					

Figure 4-6 Sample Vehicle Entry Screen

4.3.1 Smart VIN

Smart VIN allows to identify a vehicle by automatically reading the vehicle identification number (VIN).

- ▶ To identify a vehicle by Smart VIN:
 - 1. Select **Diagnostic** from home screen of the **i70TS** application.
 - 2. A screen with vehicle manufacturers displays. Select the area where the vehicle manufacturer from. A menu of all vehicle manufacturers displays. Or tap the **Search** box to search the car you are to test.

	ŝ		Q Search		VC6 奈 100% 🖻 09:08	
History		DEMO	OBDII	ABARTH	ACURA	
All	×	DEMO	OBDI	ADARTH	ACORA	
America		ALFA	ASTONMARTIN	AUDI	BAICHUANSU	
Asia		<				
Europe		BAICMOTOR	BAICSENOVA	BAICWEIWANG	BENTLEY	
China						
		BJEV	вмw	BRILBMW	BRILLIANCE	

Figure 4-7 Sample Vehicle Selection Screen

3. Choose SmartVIN option to start reading the VIN automatically.

			òò		A					
	tari New	Session								
٠	Sma	rtVIN								
2	Man	ual Selec	tion			Read	VIN inform	nation		
	$\widehat{\mathbb{R}}_{ij}^{M_{e}}$ Reading VIN number									

Figure 4-8 Sample Smart VIN Screen

4. After the scan tool builds connection to the vehicle, the VIN number displays. If the Vehicle Specification or VIN code is correct, press the **OK** to continue. If incorrect, please enter a valid VIN number manually.

4.3.2 Manual Vehicle Selection

Manual Selection identifies a vehicle by making several selections according to certain VIN characters, such as model year, and engine type.

To identify a vehicle by manual vehicle selection:

- 1. Select Diagnostic from home screen of the i70TS application.
- 2. A screen with vehicle manufacturers displays. Select the area where the vehicle manufacturer is from. A menu of all vehicle manufacturers displays. Or tap the **Search** box to search the car you are to test.
- 3. Choose Manual Selection option from the list.
- 4. On each screen that appears, select the correct option until the complete vehicle information is entered and the menu of controller selection displays.

V2.30.009	•		۰	•	•		И	100 	09.28					
Start New Season	• •	ew 130.009	0.00		•	a	-	Ľ		VC	🕆 1005 🛢 1	9:25		
SmartVIN	Start New Season	n • Serier	•	BMW V2:30.009			۰			E.	3	VCL 💎	1025 🖹 09:29	
Manual Selection	Search His	story :	Statt New S	Seacion - Series	Model series	• BMV V2.3				•		-		VCL 🗢 102% 🛙 09:31
	1 Serie	s	Search	History :		Stat New Sensor -	1							
	2 Serie	s	E 30			Quick Sc	an							
	3 Serie	s	2 E36			2 Control /	Modules							
	4 Serie	s	E46											
	5 Serie	s	4 E90	/E91/E92	2/E93									
			0											

Figure 4-9 Sample Manual Vehicle Selection Screen

4.4 Vehicle History

Vehicle History keeps records of tested vehicles and allows restarting the diagnosis of a vehicle without the need to do vehicle identification again.

- To identify a vehicle by Vehicle History:
 - 1. Select **Diagnostic** from home screen of the **i70TS** application.
 - 2. Select **History** button at the top of the diagnostic page and the diagnostic records will display.



Figure 4-10 Sample History Record Screen

- 3. Choose the vehicle model you want to test from the list.
- 4. Click the Diagnostic button at the bottom bar to go to vehicle test page.

	Vehicle History	VC6 🦈 100% 🖬 09:52
Title		
3 Series_E36		
Customer Information		
First Name :	Last Name :	Client
Vehicle Information		
Year:	VIN :	
Brand : BMW	Mileage :	
Model : 3 Series_E36	Area :	
Sub-Model :	Plate Number :	
	Diagnostic	Edit Delete Back

Figure 4-11 Sample History Record Screen

5 Diagnosis

This section illustrates how to use the scanner to read and clear diagnostic trouble codes, view live data readings and ECU information on controllers installed, perform special functions such as actuation and coding, and perform vehicle services and maintenance on Asia, European and USA vehicle brands.

5.1 Vehicle Identification

When you completed the identification of vehicle, you have to identify the control modules installed in the vehicle. There are two ways to identify the controllers installed in a car:

- Quick Scan
- Control Modules

	DEMO V1.10.010	0.0V	A	٠	ð	-	VC 🛜 🕫 100% 🖻 09:55
Select Appli	cation > Diagn	osis					
Quic	k Scan						
2 Con	trol Modu	ules					

Figure 5-1 Sample Diagnosis Screen

NOTE

Not all identify options listed above are applicable to all vehicles. Available options may vary by the year, model, and make of the test vehicle.

5.1.1 Quick Scan

Quick Scan performs an automatic system test to determine which control modules are installed on the vehicle and provides diagnostic trouble codes (DTCs) overview. Depending on the number of control modules, it may take a few minutes to complete the test.

- To perform an automatic system scan:
 - 1. Press Quick Scan option to start.
 - 2. To pause the scan, press the Pause button on the screen.

◆ DEMO V1.10.010 0.00	• •	•	VC' 🧟 100% 🛙 09:56
Select Application > Diagnosis > Quick Scan	66%		
System Name	00%	Status/Count	
AIRCON(Air conditioner)		Fault 4	•
EPS(Motor driven power steering)		Fault 8	•
BCM(Body control module)		Fault 12	-
ABS/ESP(ABS/ESP)		Scanning	
VIN : Car Information : DEMO		Pause Save	Report Erase

Figure 5-2 Sample Quick Scan Screen

3. At the end of successful automatic controller scan, a menu with a list of **DTC** displays and click ▼ button to the right to view DTC descriptions.

The DE	MO 0.010	• •	i 💌	2	VC' 🧟 🦈 100% 🖻 09:58
Select Application	> Diagnosis > Quick Scan				
System Nam	ie		Sta	itus/Count	
Engine	e(Engine control)		Fa	ult 5	•
Airbag	(Airbag control)		Fa	ult 3	
ID	Status	Description			
B1651	Active	Crash recorded in driver	side airbag(Replace SR	SCM)	
B1490	History	OCS(Occupant classifica	ition system) defect		
B1388	History	STPS(Seat track position	a sensor)-Driver open or	short to battery	
VIN : Car Information : D	ЕМО			Save	Report Erase

Figure 5-3 Sample Quick Scan Complete Screen

4. Press **Report** to create an overview of installed control units and their system status, or press **Save** to save the report. Press **Erase** to clear the information.

		ŵ						VCS 🕾 100% 🖬 09:59
Seinct Apph	cation = Diagno	na - Que	K Scan					1
								0
O En	gine(Eng	ine o	Plate Numb	er	_			
🛛 Air	bag(Airb	ag co	Thate Humb	C1				
		Status	Color					
81651		Active	Status		Unsel	status	•	
B1490)	listory				ок	Cancel	
B1388.	,	listory		STPS/Sentime	k position sensor	Dover open or st	hort to hattrify.	-
								Report Erase

Figure 5-4 Sample DTC Save Screen

► PEMO		s 🔊 100% 🗎 10:06
Select Application > Diagnosis > Quick Scan		
System Name	Status/Count	
Engine(Engine control)	Fault 5	•
Airbag(Airbag control)	Fault 3	•
AIRCON(Air conditioner)	Fault 4	
EPS(Motor driven power steering)	Fault 8	
BCM(Body control module)	Fault 12	*
VIN : Car Information : DEMO	Save R	eport Erase

Figure 5-5 Sample Report Screen

+	DEMO		* e		Z	VC'₀ 奈 100% 1 0:05
Select	Application > Diagnosis > Quick Sca	n				
Syste	m Name			St	atus/Count	
۰	Engine(Engine contr	rol)		P	ass No Fau	It
2	Airbag(Airbag contr	ol)		P	ass No Fau	lt
8	AIRCON(Air conditio	oner)		P	ass No Fau	lt
٥	EPS(Motor driven p	ower steering)		P	ass No Fau	lt
5	BCM(Body control n	nodule)		P	ass I No Fau	lt
VIN : Car info	rmation : DEMO				Sav	e Report Erase

Figure 5-6 Sample Erase Screen

5. When running auto scanning, you can press **Pause** and select the system you would like to test. When the scanner has established connection with the vehicle, the Function Menu displays.

◆ DEM0 V1.12.010 85V	٠	8			VC	🎸 🦈 100% 🖻	10:07	
Select Application > Diagnosis > Quick Scan		DEMO V1.10.010	0.04	•	٠	Ð	~	VC 🗢 100% 🛢 10:09
System Name	Select Appli	cation > Functi-	on Menu					
Engine(Engine control)	Rea	d Codes						
Airbag(Airbag control)	2 Clea	ır Codes						
AIRCON(Air conditioner)	3 Live	Data						
EPS(Motor driven power steering)	4 ECU	Informa	ition					
VIN : Carl Information : DEMO								

Figure 5-7 Sample Function Menu Screen

5.1.2 Control Modules

Control Modules displays all controllers available of the vehicle manufacturer. The controllers listed on the menu do not mean that they are installed on the vehicle. It is useful for technicians who are familiar with the vehicle specifications.

To select a system to test:

1. Press **Control Modules** from the menu and a controller menu displays.

	DEM0 V1.10.010	0.0V	A	٠	8	*	VC / 🕫 100% 🖻	10:10
Select A	pplication > Diagno	sis > Contro	I Modules					
Searc	h History :						Search	٩
🔳 Er	igine							
2 Ai	rbag							
3 AI	RCON							
4 EF	PS							
5 BC	CM							

Figure 5-8 Sample Control Modules Screen

2. Select a system to test. When the scanner has established connection with the vehicle, the **Function Menu** displays.

4	•	DEM0 V1.10.010	0.0V	^	٠	8	F	VC6 😤 100% 🗎 10:11
Sel	ect Applic	ation > D(agno	sia ≻ Control Moc	lules > Engine > Fun	ction Menu			
٠	Read	Codes						
2	Clear	Codes						
3	Live	Data						
4	ECU	Informa	tion					

Figure 5-9 Sample Function Menu Screen

5.2 Diagnostic Operations

After a system is selected and the scanner establishes communication with the vehicle, the Function Menu displays. Generally the menu options are:

- Read Codes
- Clear Codes
- Live Data
- ECU Information

NOTE

Not all function options listed above are applicable to all vehicles. Available options may vary by the year, model, and make of the test vehicle.

5.2.1 Read Codes

Read Codes menu lets you read trouble codes found in the control unit. There are 4 types of code status:

- Present/Permanent/Current
- Pending
- History

Present/Permanent/Current codes stored in a control module are used to help identify the cause of a trouble or troubles with a vehicle. These codes have occurred a specific number of times and indicate a problem that requires repair.

Pending codes are also referred to as maturing codes that indicate intermittent faults. If the fault does not occur within a certain number of drive cycles (depending on vehicle), the code clears from memory. If a fault occurs a specific number of times, the code matures into a DTC and the MIL illuminates or blinks.

History codes are also referred to as past codes that indicate intermittent DTCs that are not currently active. Code history is number of engine starts since DTC(s) were first detected (to see if they are current or intermittent).

Self-diagnostic lets you manually activate system tests that check for DTCs. Usually it includes a KOEO (Key-on, engine-off) test and a KOER (key-on, engine-running) test.

- To read codes from a vehicle:
 - Press Read Codes from Select Diagnostic Function menu. A code list including code number and its description displays. The red icon (?) means there is help information available for the code. The green icon * means there is freeze frame available.

	•	DEMO V1.10.010	0.0V		8		2	VC' 🤝	100% 🗎 10:12
Sel	lect Applic	ation > Diagn	osis > Contro	I Modules > Engine > Function Menu >	Trouble Codes				
ID				Status	Descri	ption			
1	P003	30 *	* 0	Active	H02S	heater con	trol circuit	bank 1 sense	or 1
2	P209	96 •	* 7	History	Post c	atalyst fue	l trim syste	em too lean b	ank 1
3	P013	30 =	* 0	Active	02 ser	nsor circuit	bank 1 se	ensor 1	
4	<u>P061</u>	16 +	* 0	History	Starter	r relay circi	uit low		
5	P033	35 #	* 0	Active	Cranks	shaft positi	on sensor	A circuit	
VIN Carl	: Informatic	an : DEMO					Freeze F	rame Help	Save

Figure 5-10 Sample Trouble Code Screen

• Freeze Frame - select one fault code from the code list and click Freeze Frame button at the bottom bar. The screen will display freeze frame detail data, a snapshot of critical vehicle operating conditions automatically recorded by the on-board computer at the time of the DTC set. It is a good function to help determine what caused the fault.

DEMO 01.10.010 000 000 000 000	8 8 2	VC'₀ 奈 100% ∎ 10:14
Select Application > Diagnosis > Control Modules > Engine > Function Menu > Tr	ouble Codes > P0030	
Name	Value	Unit
MIL status indicator(MIL by DTC)	OFF	
Battery voltage	12.4	v
Engine cooling fan-Low	ON	
Boost pressure sensor	2992	hPa
Air mass flow	90	ka/h
VIN : Car Information : DEMO		Save

Figure 5-11 Sample Freeze Frame Screen

• **Help** - select one fault code from the code list and click **Help** button on the screen. The screen will display the detailed descriptions about the fault code and repair guide.

+	DEMO V1.10.010	i		\$	-			VC ^ℓ ₆
Servet Appl	inanon - Diagnas	in - Cor	and the other states of the	and per block a Tra	des Partes			
					P0030			
P 00	<u>30</u> *	0	[General Info The normal o Oxygen Sens	perating to				k 1 sensor 1
2 <u>P20</u>	96 *	0	1562°F). The of time requi PCM provide	HO2S hea red for fue	ater greatly I control to	decrease become	s the amoun active. The	Jo reall bank 1
B <u>P01</u>	<u>30</u> *	•	adjust curren When the HO low and the c	2S is cold	, the value	of the resi		1
B P06	16 *	0	if the temper	ature in th	e resistor (of the sens	or rises, the	
							ок	
FI 203	35 🕸	0	Activ	a	Cirank	Shalillinasii	ion sensor /	carcuit
VIN : Car Informat								ime Help Save

Figure 5-12 Sample DTC Help Screen

- 2. Slide up and down to view additional information when necessary.
- 3. Press Save to store DTC information. Press 🗟 to print the information if

need be. Press S to exit.

5.2.2 Clear Codes

Clear Codes menu lets you to clear all current and stored DTCs from a selected control module. Also it erases all temporary ECU information, including freeze frame, so make sure that the selected system is completely checked and serviced by technicians and no vital information will be lost before clearing codes.

NOTE

- To clear codes, make sure that the ignition key is switched to ON with the engine off.
- Clear Codes does not fix the problem that caused the fault! DTCs should only be erased after correcting the condition(s) that caused them.

► To clear codes:

1. Press Clear Codes from Select Diagnostic Function menu.

	DEM0 V1.10.010	0.0V	A	٠	Ð	•	VC' 😤 100% 🛢 10:22
Select App	lication > Diagnos	is ≻ Control Mos	ktes > Engine > Fun	ction Menu			
1 Rea	ad Codes						
2 Cle	ar Codes						
3 Live	e Data						
ECU	J Informat	ion					

Figure 5-13 Sample Function Menu Screen

- 2. Follow the on-screen instructions and answer questions about the vehicle being tested to complete the procedure.
- 3. Check the codes again. If any codes remain, repeat the Clear Codes steps.

5.2.3 Live Data

Live Data menu lets you view real time PID data in text and plot formats, learn good sensor data and compare them with faulty data, and record live data from a selected vehicle electronic control module.

There are two ways to select the PID data of control module:

- All Data
- Custom List

•	DEMO V1.10.010	0.00	A	٠	ē	-	2	VC ? 100% 1 0:23
ect Applica	ation > Diagnos	iis > Control Mod	ules > Engine > Funct	ion Ménu				
Read	Codes							
Clear	Codes							
Live [Data							
ECU I	Informat	tion						
	Read Clear Live I	v1.10.010 Read Codes Clear Codes Live Data	VI.10010 Cov ect Application - Diagnosis - Control Med Read Codes Clear Codes	V110010 Dav et Agelication - Diagonis - Control Modules - Engine - Fuert Read Codes : Clear Codes : Live Data	V110010 DV et Agelfaattins - Diagoosis - Control Moddes - Engine - Fuerton Menu Read Codes Clear Codes Live Data	V1.0012 Day Pages - Engine - Function Manu et Agelication - Diagnostis - Control Modules - Engine - Function Manu Read Codes Clear Codes Live Data	V 11001 Dayrous - Control Modules - Engine - Function More Read Codes Clear Codes Live Data	VI 10 010 CONTRACTOR MODULES - Engine - Function Menu Read Codes Clear Codes Live Data

Figure 5-14 Sample Function Menu Screen

5.2.3.1 All Data

All Data menu lets you view all live PID data from a selected control module.

- To view all live PID data:
 - 1. Press **Select ALL** for select all live PID data and press **Deselect ALL** to deselect all items.

	DEMO V1.10.010 0.0V		٠	ē	PH	2	VC's 🦈 100% 🖬 10:2	25
Select Appli	cation > Diagnosis > Control	Modules > Engine > Func	tion Menu > Cus	utom list				
1 MIL	status indicator	(MIL by DTC)					C)
2 Batt	ery voltage						c)
Eng	ne cooling fan-l	_ow					C)
d Boo	st pressure sens	sor					C)
5 Air r	nass flow						C)
VIN : Car Inform	ation : DEMO						Select All OK	

Figure 5-15 Sample Function Menu Screen

2. Press **OK** to complete the selection and all readings will be displayed in text format by default.



Figure 5-16 Sample Live Data Selection Screen

	DEMO 0.00	8	•	VC' 🦈 100% 🗎 10:27
Select Applic	ation \geq Diagnosia \succ Control Modules \geq Engine \Rightarrow Function Menu \geq	Custom list > Live data		
	None	Nor	e	
Text	Name		Value	Unit
	MIL status indicator(MIL by DTC)		OFF	
r	Battery voltage		12.4	V
Graph	Engine cooling fan-Low		ON	
	Boost pressure sensor		3019	hPa
VIN : Car informatic	n : DEMO		History Re	cord Save Pause

Figure 5-17 Sample Live Data Screen

Name	Description
Help	To provide help information of a PID
То Тор	To move a data line to the top of Data List screen
History	To view the previous live data records or test reports
Record	To make record of live data
Save	To save live data of current frame
Pause	To stop recording live data

Table 5-1 Live Data Screen Button Screen

• Learn Mode: gives you the ability to learn good live sensor data values during idle, KEKO, acceleration, deceleration, part load and heavy load on each vehicle comes into your shop and records them for future

reference. Click the dropdown list at the upper left of the screen to enter to choose a working condition to learn.

Text	None	None	
	Learn - Idle		
	Learn - KOEO	Value	Unit
	Leam - Acceleration	OFF	
	Learn - Deceleration	10.4	14
l=0=	Learn - Part Load	12.4	V
Graph	Learn - Heavy Load	ON	
	Boost pressure sensor	3019	hPa

Figure 5-18 Sample Learn Mode Screen

• **Compare Mode** - If that vehicle comes in is with a problem, you can easily compare the faulty sensor and parameter readings to the good readings, and you will be alarmed when a faulty sensor reading is detected.

F	DEMO V1.10.010	 	ē		2	VC' 🗢 100%	10:29	
Select Applic	ation > Diagnosis > Control Modules	> Engine > Function Menu > Cu	istom list > Live d	ata				
	None		•	None				
				Compare - Idl	e			
Text	Name			Compare - KOEO				
	MIL status indicato	or(MIL by DTC)		Compare - Acceleration				
	Battery voltage		Compare - Deceleration					
lono	battery voltage		Compare - Part Load					
Graph	Engine cooling fan-	Low		Compare - Heavy Load				
	Boost pressure ser	nsor		30	005	hPa		
VIN : Car informatic	n : DEMO			Top Hist	tory Reco	ord Save	Pause	

Figure 5-19 Sample Live Data Screen

- 3. Swipe the screen up and down to view additional information when necessary.
- 4. To move a data line to the top of Data List screen, just tap the line to select and then press the button **To Top**. To view data records or test reports, and press the button **History**. To make records of live data, just tab the button **Record**, and press **Pause** to stop recording at any time. To save the data, tap the **Save** icon.
- 5. To view live PID in graph format, press the tab **Graph**, and the plot displays. To view another PID plot, tab the name of a plot and a list of available PIDs display. Select one from the dropdown box and the plot changes to the newly selected PID.



Figure 5-20 Sample PID Graph Screen

• **Multi-graphs:** displays the parameters in waveform graphs, giving you the 'real picture' of what's going on in the vehicle. You can view up to 4 parameter graphs simultaneously.



Figure 5-21 Sample Multi-graphs Screen

• Merge Graph: merges multiple PID plots into one coordinate, so you can easily see how they affect each other, providing you with the most comprehensive and functional look at live data possible.



Figure 5-22 Sample Merge Graph Screen

5.2.3.2 Custom List

Custom List menu lets you to minimize the number of PIDs on the data list and focus on any suspicious or symptom-specific data parameters.

To create a custom data list:

- 1. Press **Custom List** from the menu to display all available parameters from the selected control module.
- 2. The custom data stream selection screen displays. Tap the lines you wish to select. The numbers showing on the right side indicates the order of selection and the live data will show as this order.



Figure 5-23 Sample Custom List Selection Screen

- 3. To deselect an item, tap the line again. Alternatively, tap **SELECT ALL** or **Deselect ALL** to select or deselect all items at once.
- 4. Press **OK** to complete the selection, and all selected items display.

Text	None	None	
	Name	Value	Unit
	Battery voltage	12.5	V
	Engine cooling fan-Low	OFF	
Graph	MIL status indicator(MIL by DTC)	ON	
	Boost pressure sensor	3047	hPa

Figure 5-24 Sample Live Data Screen

5.2.3.3 Record data

Data Record is for recording the running data of the current control module.

- To Record Data
 - 1. Press **Record** button to record all selected live data, then it will show the record time and frames.

	DEMO 000	a 🖬 🛛	VC: 🛜 100% 🖬 10:43
Select Applic	ation = Diagnosis = Control Modules = Engine = Function Menu = Custom III	st > Live data	
	None	None	3
Text	Name	Value	Unit
	MIL status indicator(MIL by DTC)	ON	
	Battery voltage	12.5	V
Graph	Engine cooling fan-Low	OFF	Time: 00:00:11
	Boost pressure sensor	3047	Frame: 23 hPa
/iN : Car Informatic	n: DEMO Help	To Top History	Stop Save Pause

Figure 5-25 Sample Live Data Record Screen

2. Press **Stop** button to create a record, then press **OK** to save the record into Data Playback of Data Manager.

		ŵ						
Seinct Applic	ation > Diagnos							
	None							
Text			Unit					
	MIL sta	atus	DEMO-20	210626-1043	105			
				sk me again				
	Battery	volt	You can re	V				
Graph	Engine	000				ок	Canc	cel
	Boost	oressure s	ensor			3	019	hPa
VIN : Car informatio	n : DEMO			H	elp To	Top Hist	ory Re	cord Save Pause

Figure 5-26 Sample To Stop Live Data Record Screen

5.2.4 ECU Information

ECU Information screen displays the identification data of the control module under test, such as the control module identification string and the control module coding.

To read ECU information:

1. Press ECU Information from Select Diagnostic Function menu.

	•	DEM0 V1.10.010	0.0V	^	٠	Ð	-	VCG 🗢 100% 🖬 10:45
Sel	lect Applica	ation > Diagnos	is > Control Mod	ules > Engine > Funct	tion Menu			
٠	Read	Codes						
2	Clear	Codes						
3	Live	Data						
4	ECU	Informat	lion					

Figure 5-27 Sample Function Menu Screen

2. A screen with detailed information of the selected control module displays.

	•	DEMO V1.10.010	0.0V		٠	ē	-	2	VC' 🗢 100% 🖬 10:46
Sel	lect Appli	ication > Diagno	sis > Control Mo	dules > Engine > Func	tion Menu > El	DU information			
٥	Veh	icle man	ufacturer	ECU hardwa	re numbe	er	Hyu	ndai_EU_01	032
2	ECU	ROM ID					Hyu	ndai_D1.7T	CU2
									Save

Figure 5-28 Sample ECU Information Screen

- 3. Press \blacksquare to print the information if need be. Press \bigcirc to exit.
- 4. Press **Save** to store ECU information screen and Press **OK** to complete save or Press **Cancel** to give up.



Figure 5-29 Sample ECU Information save Screen

6 Maintenance

This section gives brief instructions of the most commonly required service and maintenance operations. Typical service operation screens are a series of menu driven executive commands. Follow on-screen instructions to complete the operation.

Available service and maintenance options include:

- Oil Light Reset
- EPB Service
- Battery Configuration
- DPF Regeneration
- TPS/TBA
- SAS Calibration
- CVT
- Gear Learn
- TPMS Relearn
- Injector coding
- ABS Bleeding
- Key Programming/ Immobilizer

6.1 Oil Light Reset

Oil Light Reset menu allows you to reset the service lamps on the instrument cluster. The Service Indicator System is designed to alert the driver when the vehicle is due for a service.

Oil service reset methods are determined by the vehicle being tested. Depending on the vehicle being tested, any of the following means displays:

- Oil Reset with One Button applicable to GM models only. It offers quick and simple oil service reset with the click of one button.
- Manual Reset almost all Asian vehicles and most American and European vehicles have mechanical oil service indicator reset. The service tool does not have to communicate with the vehicle being tested, but guides you to complete the service manually by providing step-by-step on-screen instructions.

When Manual Reset is selected and the vehicle being tested identified, a procedure opens on the screen. Scroll with arrow keys to read the entire procedure and performing the necessary steps as directed by the on-screen instructions. The exact order of the test operation steps may vary depending on the test vehicle. Be sure to follow all on-screen instructions. The manual reset procedure can be interrupted and aborted if the ignition key position is changed.

• Auto Reset - Auto Reset is a bi-directional communication procedure directed by the service tool. The service tool displays guides for you
through the process. A number of instructions that require a response to continue display, including an option to clear any stored codes once the interval has been reset. Follow the on-screen instructions.

6.2 Electronic Parking Brake (EPB) Service

EPB Service menu allows you to perform the service and maintenance of brake systems, including deactivation and activation of the brake control system, bleeding brake fluid, opening and closing brake pads, and setting brakes after disc or pad replacement, on multiple brands of vehicles where electronic brake systems are fitted.

Some tests display a command to the operator. For example, if "Pressing Brake Pedal" displays, the operator has to press and hold the brake pedal and then continue. Actual tests vary by vehicle manufacturer, year, make.

Typical special test options include:

- Deactivate/Activate SBC/EPB systems allows to deactivate brakes for further service or maintenance work on brake systems or activate brakes when service or maintenance work on brake systems are completed.
- Adaptation on Audi A8 allows to set new pad thickness of rear brakes calipers after changing brake discs & pads on Audi A8 models.
- Replace hydraulic brake systems fluid/bleed brake system on Mercedes SBC vehicles allows to change brake fluid/bleed brake system.
- Perform service reset and service position on BMW EPB vehicles allows to do the CBS reset and CBS correction for front brake and rear brake.
- **Perform activation/service work on Volvo PBM vehicles** allows to perform installation check, applying parking brake, releasing parking brake, activating service mode and exiting service mode.
- Reset memory on Toyota EPB vehicles allows to clear the learned memory of the EPB ECU.
- Perform brake cable replacement and electric parking brake replacement allows to fit in or remove the brake cable safely, adjust brake cable's tension and calibrate the electric parking brake replacement.
- Save and write clutch pedal programming on Renault EPB vehicles allows to save clutch pedal programming on Renault vehicles fitted with manual gearbox. After this command is activated, the tool allows to "flash" the electric parking brake unit with the saved clutch data.
- Perform control function and reset function on Opel EPB vehicles allows to apply/release park brake cable service, provide park brake cable service replacement procedures and calibrate the parking brake systems after brake service.

- Sensor calibration on Honda EPB vehicles allows to program the current output value of each sensor into the electric parking brake unit.
- Provides parking brake unjam procedure and perform longitudinal accelerometer calibration on Land Rover EPB vehicles allows to drive the electronic park brake so it is unjamed in the releasing direction and then drive it into mounting position or the latching position; also allows to perform longitudinal accelerometer calibration.

- EPB systems must be deactivated before carrying out any maintenance/service work on the brakes such as changing of pads, discs and calipers.
- Use proper tools to avoid the risk of body injuries of mechanics and technicians and damage to the brake system.
- Make sure the vehicle is properly blocked after deactivation of the systems.

6.3 Battery Replacement (BRT)

BRT menu lets you to have new battery validated, clear faults from the dashboard and display current battery details of the vehicle such as Audi, BMW, Citroen, Peugeot, Seat, Skoda, Volvo, VW and Ford.

- 1. Replace the old battery with the new one. Ensure the key is not in the ignition.
- 2. Connect the scanner to the vehicle's 16 pin Data Link Connector (DLC) with the diagnostic cable.
- 3. Boost the device and select BRT; it will display all the vehicle makes available. Choose your vehicle make and follow the scanner instruction to start.
- Sensor calibration on Honda EPB vehicles allows to program the current output value of each sensor into the electric parking brake unit.
- **Perform BRT on Citroen/Peugeot cars** make several selections to confirm your car model, and then complete the battery replacement following on-screen instructions.
- Perform BRT on Audi/VW/Seat/Skoda cars after communicating with vehicles, there's two options under Replace battery menu Validate battery and Display data.

- **Validate battery** menu lets you to recode the new battery to the vehicle's ECU and to turn off dashboard warning lights. The on-screen instructions would guide you step by step to complete the replacement.

- **Display Data** menu lets you to check the battery information or battery replacement records

• Perform BRT on BMW/Volvo cars - after making several selections to confirm your vehicle model, you can select Display data, Validate Battery or Clear codes from Function menu.

6.4 Diesel Particulate Filter (DPF) Regeneration

DPF Regeneration menu lets you perform the DPF cleaning to clear the blockage through continuous burning of the particulates captured in the DPF filter. When a DPF regeneration cycle is completed, the DPF light automatically goes off.

6.5 Throttle Body Alignment (TPS/TBA)

It's very common to see a customer pull into the shop with a Volkswagen or Audi that just will not idle correctly. One of the possible causes is that the throttle position is not known. When the motion range is not known, the ECU simply has no idea where to set the throttle. The ECU must know the full range of motion of the throttle in order for it to properly control the engine. Using the throttle position sensors in the throttle body, the ECU learns the full open and full closed positions through various states (idle, part throttle, WOT) known as a Throttle Body Alignment (TBA).

6.6 Steering Angle Sensor (SAS) Calibration

SAS Calibration menu lets you perform calibration of the Steering Angle Sensor, which permanently stores the current steering wheel position as straight-ahead in the sensor EEPROM. On successful calibration of the sensor, its fault memory is automatically cleared.

6.7 Continuous Variable Transmission (CVT)

This function is used to reset the compensation code and initialize the ECT after a solenoid valve or valve body assembly has been replaced.

6.8 Gear Learning

The crankshaft position sensor learns crankshaft tooth machining tolerance and save to the computer to more accurately diagnose engine misfires. If tooth learning is not performed for a car equipped with Delphi engine, the MIL turns on after the engine is started. The diagnostic device detects the DTC P 1336 'tooth not learned'. In this case, you must the diagnostic device to perform tooth learning for the car. After tooth learning is successful, the MIL turns off.

After the engine ECU, crankshaft position sensor, or crankshaft flywheel is replaced, or the DTC 'tooth not learned' is present, tooth learning must be performed.

6.9 TPMS Relearn

After the tire pressure MIL turns on and maintenance is performed, the tire pr essure resetting function must be performed to reset tire pressure and turn o ff the tire pressure MIL.

6.10 Injector Coding

Write injector actual code or rewrite code in the ECU to the injector code of the corresponding cylinder so as to more accurately control or correct cylinder injection quantity. After the ECU or injector is replaced, injector code of each cylinder must be confirmed or re-coded so that the cylinder can better identify injectors to accurately control fuel injection.

6.11 ABS Bleeding

Anytime the brake system is opened to replace components such as calipers, wheel cylinders, the master cylinder, or brake lines or hoses, air gets inside. The air has to be removed by bleeding the brakes if you want a firm brake pedal. Air trapped in the lines, calipers or wheel cylinders will make the pedal feel soft and spongy. Air is compressible, so when the brakes are applied any air bubbles in the system must first be compressed before the hydraulic fluid will transmit pressure to apply the brakes.

6.12 Key Programming/Immobilizer

The transponder key is an aftermarket option that can be programmed for a number of vehicles. Also known as a chip key or ignition key, this key offers a level of convenience and security for your car. If your car is equipped with a chip key system, only a programmed key can turn on the ignition in your vehicle.

7 TPMS Service Operations

The TPMS application is used to check the TPMS sensor conditions, program the Foxwell sensor T10, perform the TPMS Relearn procedure and basic TPMS diagnostic functions.

7.1 Navigation

Tap the **TPMS** button from the home menu, the Vehicle Menu will appear. Select the area where the vehicle manufacturer is from then select the

specific vehicle to perform TPMS service. Or tap the **Search** box to search the car you are to test.

TPMS V3.01.005		Q Search		
History	Acura	Daewoo	Honda	Hyundai
All America	Infiniti	Isuzu	КІА	Lexus
Asia 🕨				
Europe	Mazda	Mitsubishi	Mahindra	Nissan
China	Renault Samsung	Scion	Suzuki	Subaru

Figure 7-1 Sample Vehicle Menu Screen

History keeps records of tested vehicles and allows restarting the diagnosis of a vehicle without the need to do vehicle identification again.



Figure 7- 2 Sample Vehicle Selection Screen

7.1.1 TPMS Service Screen Layout

The TPMS service typically include three functions:

Trigger/ Programming/ Learn Help

	Programming			Learn Help		
	ID(HEX) 🔻	P(Kpa) 🔻	Freq(MHz)	T(°C) 🔻	BS	
1						
2	FR					
3	RR					
4	RL					

Figure 7-3 Sample TPMS Service Screen Layout

7.2 Trigger Operations

The sensor trigger function allows activating of TPMS sensor to view sensor data such as sensor ID, tire pressure, tire temperature, sensor battery, sensor position, and sensor frequency.

To Trigger TPMS sensor

- 1. Tap Trigger Tab.
- 2. Tap the desired wheel position on the vehicle thumbnail. Hold the Display Tablet with the 😃 symbol (in the top right corner) close to the tire sidewall near the valve stem, and then press the Trigger button. The Display Tablet will send low frequency signal to trigger the sensor.
- 3. The sensor data of the selected wheel will display on the table of the screen once the sensor is successfully activated and decoded.

Trigger		Programming			Learn Help	
		ID(HEX) 🔻	P(Kpa) 🔻	Freq(MHz)	T(°C) 🔻	BS
	1	FL 003E1204	2	433	27	NA
	2	FR 00285E09	2	433	28	NA
	3	RR 000FFA8C	2	433	26	NA
	4	RL				
	4	RL				

Figure 7-4 Sample Trigger TPMS Screen

NOTE:

The Display Tablet will perform TPMS check in a sequence of FL (front left), FR (front right), RR (rear right), RL (rear left) and SP (spare, if any).

4. Wheel with a feedback icon, red or green vertical rectangle, indicates sensor trigger has been finished. Refer to Table 7- 5 for details.

lcon	Result	Description
(green)	Sensor activated successful	TPMS sensor is successfully activated and decoded. The table on the right side of the screen displays the sensor information.
(red)	Sensor activated failed	If the search period expires and no sensor is activated or decoded, the sensor may be mounted incorrectly or cannot function. The table on the right side of the screen displays "Failed". If as sensor with a duplicate ID has been read, the screen displays a message "Sensor ID duplicated". In the case, repeat the test procedure.

Figure 7- 5 Possible results for triggering

7.2 Programming Operations

The programming function is used to program the sensor data to the Foxwell sensor T10 and replace the faulty senor (poor battery life or malfunction). The **i70TS** is easy to use with a proven efficiency and guaranteed accurate results.

There are four options available when programming Foxwell sensor T10 using the Display Tablet: Manual Create, Clone by Activation, Automatic Create (1-16), Clone by OBD.

TPMS V3.01.001		;	8 8			
TPMS > Asia > Toyota > 4 Runner > 20	Progran	-		gnosis	Lea	ırn Help
				ID(HEX) 🔻		
	1	FL			4 ?	
	2	FR			ф (р	
	3	RR			ت ۱	
	4	RL			Ö R	
_	5	SP			Ō	
IN : Sar Information : TPMS	Manual cre	ate	Clone by Activation	Automatic cre	ate(1-16)	Clone by OBD

Figure 7- 6 Sample Programming Function Screen

Main Section

Column 1 - displays wheel positions

Column 2 - displays programming IDs Column 3 🔄 - displays the retrieved sensor IDs by activation Column 3 🛜 - displays the retrieved sensor IDs by OBD

NOTE:

Programming function will only work with Foxwell sensor T10. Currently, there are two models available: Clamp-in Sensor and Snap-in Sensor, both with two types, one with 433MHz frequency, and one with 315MHz frequency. The Clamp-in Sensor is taken as an example in this manual. Please choose the proper Foxwell T10 sensor when programming.

7.2.1 Manual Create

This function allows you to manually enter sensor IDs. You can enter a random ID or the original sensor ID.

NOTE:

Do not enter the same ID for different sensors.

- To manual create
 - 1. Tap the Programming tab.
 - 2. Select the specific wheel on the screen.
 - 3. Tap Manual Create button.

4. Enter the characters in the prompted screen. Tap OK to finish and save the sensor ID, or Cancel to exit.

Manu Manu	al create						
TPMS - Asia - Toyo Trigge Please	e input 7 bit	ID 12345	567				arn Help
•))					Cancel	ОК	
	7	8	9	С	Ø		
	4	5	6	D	163		
	1	2	3	E			
	0	А	В	F	4		





Figure 7-7 Sample ID Input Screen

1. Place the proper Foxwell sensor T10 near the top right of the Display Tablet to start programming.



< 100 V3	us 01.001	 A 	Ð	2	
TPMS + Asia + 1	Toyota = 4 Runner	- 2020.01~2021.12(Clamp I	n 315MHz)		
Tri	gger	Programming	g Di	agnosis	Learn Help
	1				
-0	Progr	amming: Success	I)		
					ок
		4 RL			ā †
	_	t, cp		_	Ō

Figure 7-8 Sample Manual Create Function Screen

If multiple sensors were detected, will pop up message to remind remove the excess sensors.

o nota royota ritanitor	2020.01~2021.12(Clamp in 31	5MHz)		
Trigger	Program		Diagnosis	Learn Help	3
			ID(HEX) 🔻		
	1			心 奈 A2B36	
	2	FR		Ф (¢	
	3	RR		ū	
	4	RL		ф ();	
		SP		Ō	

Figure 7-9 Sample Manual Create Function Screen

7.2.2 Clone by Activation

This function allows user to bypass OBD II and automatically write in the retrieved original sensor data to the Foxwell sensor T10. It is used after the original sensor is triggered.

To perform Clone by Activation, user needs active the installed sensor firstly, if succeed, the sensor ID will display.

	- 2020.01~2021.12(0	-		
Trigger	Program	nming	Diagnosis	Learn Help
			ID(HEX)	
	1			📥 🛜 А2В3659
	2	FR		¢،
	3	RR		<mark>ت</mark> ج
	4	RL		ŭ ©
				Ğ

Figure 7-10 Sample Clone by Activation Function Screen

Then put the Foxwell T10 sensor that need to be programmed close to the device 0-20cm and sensors that not need to be programmed beyond 100cm.





+	TPMS	÷ 0	5			
TPMS - A	ala - Toyota - 4 Runner	- 2020.01~2021.12(Clamp in 3	15MHz)			
	Trigger	Programming	Diag	gnosis	Learn He	lp
	1	Ma				
-1)		ramming: Success				
	B -				ок	
		4 RL			ă ©	
		5 SP			Ō	

Figure 7-11 Sample Clone by Activation Function Screen

7.2.3 Automatic Create (1-16)

This function is designed to program the Foxwell sensor T10 by applying random IDs created according to the test vehicle, when it is unable to obtain the original sensor ID.

To Automatic Create

1. Tap Programming tab.

2. Select the specific wheel on the screen.

3. Tap the Automatic Create functional button on the screen.

4. Place the proper Foxwell sensor T10 near the top right of the Display Tablet to write the new created sensor ID into the Foxwell sensor T10.



Figure 7-12 Sample Automatic Create Function Screen

After programming is finished, the new programmed MX-Sensor ID will display on Column 2 of the table.

7.2.4 Copy by OBD

This function allows users to write the saved sensor information into Foxwell sensor T10 after performing Copy by OBD function, the sensor ID will appear

on the table in Programming screen. Select the specific wheel on the screen, and then tap Copy by OBD button.



Figure 7-13 Sample Copy by OBD Function Screen

Place the proper Foxwell sensor T10 near the top right of the Display Tablet, and tap OK to start programming the saved sensor information to the Foxwell T10. The programmed sensor ID will appear on Column 2 of the table.

7.3 Learn Help

This function introduces the relevant information of the sensor, such as manufacturer, sensor frequency, OE number, learning type, learning method and learning steps etc. The OEM sensor information and specification, and relearn procedure for each vehicle will display on the right side of the screen.

The Learning method of TPMS mainly includes:

OBD relearn, Automatic relearn, Static relearn, Clone Sensor.



Figure 7-13 Sample Learn Help Screen

7.3.1 OBD Relearn



Figure 7-14 Sample OBD Learn Help Screen

To perform OBD Relearn

1. Install the tire pressure sensor correctly.

2. Inflate all the tires to the rated value in the nameplate(usually on the door or door frame).

- 3. Using the TPMS tool, activate each sensor.
- 4. Turn on the ignition on (to ON/RUN/START).

5. Connect the TPMS tool to the OBDII interface, and use OBD relearn function to write the sensor ID.

6. Keep the ignition switch on (ON/RUN/START) and reactivate each sensor in turn.

7. Turn off and then turn on the ignition on.

8. Drive the vehicle at a speed of not less than 30 km/h for at least 10 minutes, to ensure that the tire pressure system works normally (the tire pressure light is off).

NOTE:

Different models have different OBD relearn methods. Please read the relearn procedure carefully before performing the relearn function.

7.3.2 Automatic Relearn



Figure 7- 15 Sample Automatic Relearn Help Screen

To perform Automatic Relearn

1. Install the tire pressure sensor correctly.

2. Park for at least 15 minutes.

3. Inflate all the tires to the rated value in the nameplate(usually on the door or door frame).

4. Turn on the ignition on (to ON/RUN/START).

5. Operate the instrument panel to let the vehicle enter the automatic relearn mode (if need).

6. Drive the vehicle at a speed of 30-100 km/h for at least 15 minutes, to ensure that the tire pressure system works normally (the tire pressure light is off).

NOTE:

Different models have different Automatic relearn methods. Please read the <u>relearn procedure carefully before performing the relearn function</u>.

7.3.3 Static Relearn



Figure 7- 15 Sample Automatic Relearn Help Screen

To perform Static Relearn

1. Install the tire pressure sensor correctly.

2. Inflate all the tires to the rated value in the nameplate(usually on the door or door frame).

3. Turn on the ignition switch (turn to ON/RUN/START).

4. Operate the instrument panel to let the vehicle enter the static relearn mode(if need). Usually the horn will beep twice and the left light will be on.

5. Complete the learning process according to the device or multimedia display screen. If successful, the horn will beep once.

6. Drive the vehicle for at least 15 minutes, to ensure that the tire pressure system works normally (the tire pressure light is off).

NOTE:

Different models have different static relearn methods. Please read the relearn procedure carefully before performing the relearn function.

7.4.4 Clone Sensor

Use one of the following method to copy according to the actual situation.

1. Copy by activation

2. Copy by manually input the sensor IDs. (notice the data format is decimal or hexadecimal)



Figure 7- 15 Sample Automatic Relearn Help Screen

8 Data Manager

Data Manager menu let you review stored screenshots and test reports, playback recorded live data and other saved files.

Typical menu options include:

- Image
- PDF
- Data Playback
- Data Record
- Report

	Data Manager	VC6 🤝 100% 🖻 10:59
Image		>
PDF		>
Data Playback		>
Data Record		>
E Report		>

Figure 8-1 Sample Data Manager Screen

8.1 Image

Image option leads to screens for review of stored screenshots. In case a failure of **i70TS** application or the Android system occurs, please just take a screenshot and send it to our team to help with the troubleshooting.

Typical menu options include:

- Diagnostic Screenshot
- System Screenshot

•	Image	VC6 🤝 100% 🛱 11:00
Diagnostic Screenshot		>
System Screenshot		>

Figure 8-2 Sample Screenshots type

8.1.1 How to Save an Image

- ▶ To take a screenshot:
 - 1. If want to save data of current screen, press 🔳 at the title bar to take a screenshot.

	DEMO V1.10.010	0.0V	•	٠	ē	-	VC' 🗟 100	11:01
Select Appl	ication > Diagno	sis > Control I	Modules					
Search	History :						Search	٩
Eng	ine							
2 Airb	ag							
3 AIR	CON							
4 EPS								
5 BCN	1							

Figure 8-3 Sample Screenshot Screen

2. Add a description of the image, and press the **OK** to save, cancel button to give up.



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8.1.2 Review Image

- To review the screenshots:
 - 1. Press Data Manager from home screen of i70TS diagnostic application.
 - 2. Press **Image** and all available pictures will be displayed.
 - 3. Press **Diagnostic Screenshot** for application menu screenshot or Press **System Screenshot** for system menu screenshot, then all available pictures will be displayed.

£	D	iagnostic Screenshot	KC6 🗢 100% 🛙 11:03
Image: Section 1 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2 Image: Section 2	An an an Anna Anna Anna Anna Anna Anna Anna		
			Back

Figure 8-5 Sample Browse Picture Screen

- 4. Press any available picture for review.
- 5. To delete a picture, tap button **Delete** and answer **OK** to delete. Press **Print** to print the pictures and press **Rename** to change the picture name.



Figure 8-6 Sample Edit Picture Screen

6. Long press the screen to edit all pictures like Rename or Delete.

•		Diagn	ostic	Screensho	t		VC¦	11:05
In the second se	Transition T	Norther Radia Radia Radia Radia Radia Radia Radia Radia Radia						
				Select All	Rename	Delete	Cancel	Back

Figure 8-7 Sample All Pictures Edit Screen

8.2 PDF Report

PDF option leads to screens for review of the vehicle test reports. You just need to press the PDF icon on the test screen, add a description and press **OK** button to save.

8.2.1 How to Create a PDF Report

- To create a PDF report:
 - 1. Press Data Manager from home screen of i70TS diagnostic application.
 - 2. Press Report from Data Manager.
 - 3. Press any reports saved.



Figure 8-8 Sample of Reports Screen

4. Press Save to save changes. Press PDF to create PDF file.

•	Report	VC6 🗢 100% 🖻 11:08
Vehicle Information		
Make: DEMO	VIN:	Plate Number:
Model:	Mileage:	Color:
Year:	Capacity:	Status: Pre Scan
Engine:	Reference:	Date: 26.06.2021
Automatic scanning results		
System Name		Status/Count
		Save PDF Cancel

Figure 8-9 Sample of Report edit Screen

5. If press PDF, the PDF review screen will be displayed. Press **Print** to print the report or press **Email** to share the report.

•	DEMO-AutoS	can-202	10626-110909.pdf		VC 🛜 🤋 100% 🖬 11:09
		Vehicle Diagnos	is layor.		
	Verlage Selection	-	Perchanter		
	1.000 March 1.000	an and	100		
		Lanette.	Trans Per lan		
	term.	Page 1	In JOINS		
	Adoratic son	ning results			
	Search Asia		Relation 1		
			March March		
	to the product of				
	to Physics and		No. 1		
			the st		
			10.0		
	a respect to the		100.0		
	B. Philipping and				
	Inglow(Inglow -				
	transformer and the second sec				
	11	Inter Statements	market men		
	1.000				
		the growth			
			And the second s		
				Print	Email Back

Figure 8-10 Sample of Report edit Screen

8.2.2 Review PDF Report

- ▶ To review the PDF reports:
 - 1. Press Data Manager from home screen of i70TS diagnostic application.
 - 2. Press PDF and all available PDF files will be displayed.

	PDF	KC 🕫 🕫 100% 🖬 11:10
DEMO-AutoScan-20210626-110909.pdf		2021-06-26 11:09:12
DEMO-VersionInfo-20210626-110745.pdf		2021-06-26 11:07:46
DEMO-VersionInfo-20210626-110714.pdf		2021-06-26 11:07:18
		Back

Figure 8-11 Sample Browse PDF Screen

3. Long press the screen to edit all PDF files like Rename or Delete the files.

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Figure 8-12 Sample Edit PDF Screen

8.3 Data Playback

The **Data Playback** option leads to screens for review of recorded live data. Playing back a recording is just like using the scan tool on a live vehicle. It let you review live data in text, graph and graph merging formats. Playback speed and direction (forward or reverse) can also be controlled.

To review recorded live data:

- 1. Press Data Manager from home screen of i70TS diagnostic application.
- 2. Press Data Playback and all available records display.



Figure 8-13 Sample Data Playback Records Screen

3. Press any records to view the details.

	•	Data Playback	VC¦ 奈 100% 🖬 11:14
٠	MIL status indicator(MIL by DTC)		0
2	Battery voltage		0
3	Engine cooling fan-Low		0
4	Boost pressure sensor		0
5	Air mass flow		0
6	Accelerator nertal nosition sensor		0
		Select All Deselect	ct OK Back

Figure 8-14 Sample Data Playback Selections Screen

4. To view parameter graphs, press the **Graph** tab. And to merge the graphs, press the tab **Merge Graph** or press the tab **Multi Graph** to view multiple plots.



Figure 8-15 Sample Graph Screen

- 5. To move forward or reverse back of the playing, just drag the progress bar forward or reverse. Press the III button to stop.
- 6. Long press the record to **Rename** or **Delete** the records.

	Data Playback	VC6 奈 100% 🖬 11:17
OEMO-20210626-104305.txt		2021-06-26 10:44:29
	Deselect Rename	Delete Cancel Back

Figure 8-16 Sample Edit Data Playback Screen

9 My Account

This section introduces user account registration, login, device activation and other information.

When **My Account** application is selected, a menu with available options displays.

My Account Menu options typically include:

- My Account
- My Products
- Feedback and Suggestions

	My Account	KC 💿 100% 🔮 08:02
My Account		>
My Products		>
U Feedback and Suggest	ions	>
	Sign In	

Figure 9-1 Sample My Account Screen

9.1 Registration

If you are new to FOXWELL, please register a FOXWELL ID first either by

- Registering with the built-in client;
- Or registering through our website with the URL:

http://www.foxwelltech.us/register.html

9.1.1 Register with Built-in Client

You are allowed to create a Foxwell ID with the built-in client.

To register with built-in client:

1. Press **My Account** or **Update** from home screen of **i70TS** diagnostic application, the user login page will show, then press **Free registration** button to register an account.

		VC¦ 奈 100% ✿
R Email or Foxwell ID		
Password		
Stay signed in	Forget password	
Sigr	ı İn	
Free regi	stration	
	Password Stay signed in Sign	Password

Figure 9-2 Sample Update Client Main Screen

2. Enter the User Name (use one of your existing mail addresses as user name), and press Send Code button for get a verification code, Foxwell will send a 4-digit verification code to the email you just entered.

•	Register User	VCG 🗢 100% 🖬 08:11
User Name•	@foxwelltech.com	
	The email is available for registration!	
Verification Code•	2914	Sent(10S)
	0	
Password*	The password contains at least one letter and a number, and is 6-16 bits long.	
	Password Strength: Weak	
Confirm Password		
	By creating an account, you agree to Foxwell's Conditions of Use and Privacy Notice.	
	Free registration	

Figure 9-3 Sample ID Registration Screen

3. Get the security code in your mailbox, input the code as verification code. Then create a password and click Free Registration to complete.

•	Register User	KC 🗧 🕫 100% 🖬 08:11
User Name•	@foxwelltech.com	
	The email is available for registration!	
Verification Code-	2914	Sent(10S)
	0	
Password*		
	The password contains at least one letter and a number, and is 6-16 bits long.	
	Password Strength: Weak	
Confirm Password+	{	
	0	
	Ø By creating an account, you agree to Foxwell's Conditions of Use and Privacy Notice.	
	Free registration	

Figure 9-4 Sample ID Registration Screen

4. "The account has been created successfully" message will appear if you registered successfully.



Figure 9-5 Sample Registration Done Screen

5. The serial number will show after registration. Click **Submit** to activate the product or press **S** to back.

Activate Serial Number	KC 🕫 100% 🕯 08:16
i50	
Submit	

9.1.2 Register through Website

- ▶ To register through our website:
 - 1. Visit Foxwell official website www.foxwelltech.us and press **Register** icon, or go to the registration page by selecting **Support** from home page and then click **Register**.



Figure 9-6 Sample Website Register Screen



Figure 9-7 Sample Website Register Screen

2. Enter one of your email addresses as your user ID and click the **Send Code** button. We will send a 4-digit verification code to the email you just entered. Find the security code in your mailbox, input the code, create a password and click Free Registration to complete.

	CREATE AN	ACCOUNT	
	Email address		
	Verification code	Send code	
nes I.	Password		
a de la companya de La companya de la comp	Confirm password	ing and the star spin ingener 7	
	By creating an account, you agree Privacy Notice.	to Foxwell's Conditions of Use and	
	Free regi	istration	

Figure 9-8 Sample Create Account Screen

3. Sign in to the **Member Center**, click **New Registration**, input the right serial number and click **Submit** to activate the product.

* Serial Number :	please input your serial number	0
	please input your serial number	
	Submit Reset	

Figure 9-9 Sample Product Register Screen

9.2 Sign in

Press **My Account** or **Update** from home screen of **i70TS** diagnostic application, the user login page will show, enter your FOXWELL ID and password, and press **Sign in** button to sign in.

•			VC6 🛜 100% 🗎 (
	R Email or Foxwell ID		
	Password		
	Stay signed in	Forget password	
	Sign In		
	Free registra	tion	

Figure 9-10 Sample Sign in Screen

9.2.1 Product activate

If you are logging in for the first time, it will prompt and guide you to activate the current device while sign in successfully.

To activate product

1. Press **OK** button to activate product and press **Cancel** to back.



Figure 9-11 Sample Product Activation Screen

2.Click Submit to continue the activation and press So to give up activation.

•	Activate Serial Number	VC 🛜 🕸 37% 🗳 04:41
	Submit	

Figure 9-12 Sample Product Activation Submit Screen

3. "Product is activated successfully" message will appear if activate successfully.



Figure 9-13 Sample activate success Screen

9.3 My Account

My Account option allows you to check and modify or complete your account information including user name, e-mail, telephone, address and so on.



Figure 9-14 Sample My Account Screen

9.4 My Products

This option let you activate a new product and manage activated products including serial number and expiration date.

	My Ad	ccount	VC6 🤝 🕸 98% 🖻 06:35
S/		S/N Manag	ement
	Serial Number		
	Sul	omit	

Figure 9-15 My Product Screen

9.5 Feedback and suggestions

This option allows you to log on your e-mail and send feedback and suggestions about Foxwell products.

NOTE

Please download e-mail client on the i70TS before using this function.

To send feedback and suggestions about Foxwell products:

- 1. Press **My Account** from home screen of the **i70TS** diagnostic application.
- 2. Press **Feedback and Suggestions** option to show Feedback page, there are two options--Diagnosis Feedback and General Feedback.



Figure 9-16 Sample feedback record Screen

3. Select **Diagnosis Feedback** or **General Feedback** for creating a feedback. Select the type of error and some necessary content and problem description or attachments. Press **Save** button to save the feedback. Or press Email button to send if you have an email account.

e seu sous a	72					
Error Type Selectio	n					
VIN reading error/						
VIN reading error	Make / Model error	Decoding VIN error	Active Test error	System	Communication error	
Reading Codes error	Clearing Codes erro	or Data Stream error	Special Functio	n error	Translation error	
Any other error						
Description & Rema	arks					
Please accurately des	cribe the nature and det	ails of the problem.				

Figure 9-17 Sample Feedback Edit Screen



Figure 9-18 Sample Email Select Screen

10 Update

The scanner can be updated to keep you stay current with the latest development of diagnosis. This section illustrates how to register and update your scan tool. You can register both on Foxwell website or by the built-in update client.

NOTE

Before registration and updating, please make sure your network works correctly and the tablet is fully charged or connect to external power supply.

10.1 Automatic Update

When the automatic update is enabled, an update symbol is displayed in the upper right corner if any software version is released.

• • •		VC6 🛜 100% 🖻 08:51		
History	DEMO	OBDII	ABARTH	ACURA
All 🕨	52mo	0001		Addina
America	ALFA	ASTONMARTIN	AUDI	BAICHUANSU
Asia	<	AGTONMARTIN		DAIGHOANGO
Europe	BAICMOTOR	BAICSENOVA	BAICWEIWANG	BENTLEY
China				
	BJEV	BMW	BRILBMW	BRILLIANCE

Figure 10-1 Sample Automatic Update Screen

▶ To automatic update or refer to 11.4 Automatic Update:

1. Press Settings from home screen of the i70TS diagnostic application.

2. Select Automatic Update, then set automatic update notice enable.

10.2 Manual Update

▶ To update the diagnostic application:

- 1. Press **Update** of **i70TS** diagnostic application, and the update client starts up automatically.
- 2. The available updates display. Click the check box(s) in front of the software you wish to update and then click the **Update** button to download.
- 3. When all the items are updated, an "Update Done" message displays.

NOTE

Please make sure your network works correctly and the tablet is fully charged or connect to external power supply.

(5)		Update			VC	후 45% 🚔 09:0
ASTONMARTIN	V1.40.003 🔻	2MB	2021/06/12	Upda	ate content >	Upgrade successful
AUTOVIN	V1.10.005 💌	1MB	2021/06/12	Upda	ate content >	Upgrade successful
FERRARI	V1.40.005 🔻	3MB	2021/06/12	Upda	ate content >	Latest
LEXUS	V1.45.001 🔻	10KB	2021/06/12	Updi	ate content >	Latest
MASERATI	V1.40.005 🔻	ЗМВ	2021/06/12	Updi	ate content >	Upgrade successful
	V1 21 002 💌	0140	2023/06/12	Hod	No contont >	Upgrade
0 software updates Serial number:005011000231				Refresh	Upgrade All	Back

Figure 10-2 Sample Update Screen

11 VCI Manager

VCI Firmware Update

This application allows you to update the firmware of i70TS.

To update the firmware:

- 1. Click the **Update** application on the **i70TS** home screen.
- 2. Check and download the firmware package.
- 3. Click the VCI Manager application on the i70TS home screen.
- 4. Click **Update** option to update the firmware.



Figure 11-1 Sample firmware update option Screen

- 5. Check the battery level to ensure that the battery level should be greater than 20%.
- 6. Press **Retry** button and it will start update automatically if there is an update available. If update failed, please follow the on-screen instructions to troubleshoot and repeat the update.



Figure 11-2 Sample Firmware Update Screen

7. "VCI firmware successfully message" will appear if update successfully.



Figure 11-3 Sample Firmware Update successfully Screen

NOTE

If there is a firmware update available, the update file will be downloaded and saved automatically when you try to update the diagnostic software. And you will be prompted to upgrade the firmware.

12 Settings

This section illustrates how to program the scanner to meet your specific needs.

When Settings application is selected, a menu with available service options displays. Menu options typically include:

- Unit
- Language
- Font Size
- Sort Tiles
- Remote control
- Automatic Update
- System Settings
- General
- Uninstall Vehicle Software
- Clear app data
- Print Settings
- About

12.1 Units

Selecting **Unit** opens a dialog box that allows you to choose between Imperial customary or metric units of measure.

To change the unit setup:

- 1. Press Settings from home screen of the i70TS diagnostic application.
- 2. Press Unit and available unit system display.
- 3. Select a unit system.

12.2 Language

Select Language opens a screen that allows you to choose system language.

- To configure system language:
 - 1. Press **Settings** from home screen of the **i70TS** diagnostic application and select **Language**. Then all available language options display.
 - 2. Select your preferred language to change.

12.3 Font Size

This option allows you to change the font size of application.

- ► To change font size:
 - 1. Press Settings from home screen of the i70TS diagnostic application, and then select Font Size.
 - 2. Select your preferred font size, then press Confirm to change, or press Back to give up.

12.4 Sort Tiles

This option allows you to change the sort for Brand of vehicles. There are two sorting methods available by alphabet or by frequency of use.

- To change sort
 - 1. Press Settings from home screen of the i70TS diagnostic application, and select Sort Tiles.
 - 2. Select your preferred sort order.

12.5 Remote control

This option allows you to select a tool of remote control. There are two remote tools available TeamViewer QuickSupport or AnyDesk.

- To change remote control
 - 1. Press Settings from home screen of the i70TS diagnostic application, then select Remote control.
 - 2. Select your preferred tool.

12.6 Automatic Update

This option allows you to enable/disable automatic update notice. If it is enabled, an orange update mark will show on the upper right of the diagnostic software icon whenever there is a new version available

12.7 System Settings

This option provides you a direct access to the Android system settings, like sound, display, system security and etc. Refer to Android documentation for more information.

12.8 General

This option lets you to turn on/off the prompt when saving a file or login & registration when started the scanner.

12.9 Uninstall Vehicle Software

This option allows you to uninstall the vehicle software installed in the scanner.

To uninstall a vehicle software:

- 1. Tap Settings application on home screen of i70TS.
- 2. Tap the Uninstall Vehicle Software option on the option list.
- 3. Choose the vehicle software you want to delete or choose Select All.



Figure 12-1 Sample Uninstall Vehicle Software Screen

4. Press **Cancel** to quit or and press **OK** to uninstall.



Figure 12-2 Sample Uninstall Vehicle Software Screen

12.10 Clear app data

Generally, after the application running for a period of time, some cache data will be generated. As time goes by, the cached data will become larger and larger, which will affect the operation of the device. This option allow you to clear the cache data of the app.

12.11 Print Settings

This option allows you to print any data or information anywhere and anytime either via PC network or Wi-Fi.

- To setup the printer connection:
 - 1. Tap the Settings application on home screen of i70TS.
 - 2. Tap the **Printing Settings** option on the option list.

	Settings	VC6 🤝 🕯 37% 🛱 04:30
System Settings		>
General		>
Uninstall Vehicle Software		>
Clear app data		2.38 MB >
Print Settings		>
(i) About		>

Figure 12-3 Sample Print Settings Screen

3. Tap **Print Plugin Manager** and turn on the Mopria Print Service, then **i70TS** will search for available printers automatically.

×	Print Service Manager	?
You nee	ed a Print Service Plugin installed & enabled to print.	
moprie	Mopria Print Service Mopria Alliance	Enabled
	HP Print Service Plugin HP Inc.	<u>+</u>
brother	Beath as to develop a load	<u>+</u>
SAMSUN	Samsung Print Service Plugin Samsung Electronics Co., Ltd.	<u>+</u>
Canon	Canon Print Service	<u>+</u>
EPSO	Epson Print Enabler Selko Epson Corporation	<u>+</u>



4. Select Mopria Print Service. Press O for return.



Figure 12-5 Sample Setting of Print Service Manager Screen 5. Choose the right printer. Press O for return.

÷	Mopria Print Service	C	ξ	÷
	On		•)
7	HP LaserJet MFP M227fdw (6239A9) 192.168.6.107		(0
7	HP LaserJet Pro M329 [F72A0B] 192.168.14.24		C	٩)
7	DIRECT-0C-HP M329dw LJ fa:0d:ac:f7:2a:0c			

Figure 12-6 Sample of Printer Screen

6. Select a available printer, then press **PRINT TEST PAGE** button at the right-bottom. Press ○ for return.



Figure 12-7 Sample of Printer test

7. Choose the file or report you want to print and press the print icon^{II}. Click on the red marked part to select an available printer. Click the blue marked part to make more settings for the printer, such as paper size, number of copies, etc.

192.168.14.24									
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Figure 12-8 Sample of File Printing Screen

NOTE

- 1. Please make sure the printer and the **i70TS** in the same Wi-Fi or Network when printing.
- 2. If Mopria Print Service driver can't workable for your printer, please download the driver to work for your printer on Print Service Manager.

12.12 About

Selecting **About** option opens a screen that shows information about the **i70TS**, such as serial number, hardware and software version and etc.

- To view information of your scan tool:
 - 1. Press About from home screen of the i70TS diagnostic application.
 - 2. A screen with detailed information of the scanner displays.

	About	VC 🗇 🕸 37% 🛱 04:35
Hardware Version		V0.00.000
Software Version		V1.07.029.alpha
Operating System Version		0.1.9
Serial Number		i70PS33000002
Production Date		2021-05-22
Disclaimer		>

Figure 12-9 Sample Tool Information Screen

13 Remote Support

Remote Control enables you to get remote support from Foxwell with TeamViewer when you have issues with Foxwell products.

There are two remote control tools TeamViewer QuickSupport and Any Desk. About how to set the tool of default, please refer to 10.5 Remote control.

TeamViewer QuickSupport

To use QuickSupport for to remote control:

1. Click the **Remote Control** icon on the main menu of the **i70TS** to start TeamViewer QuickSupport. Press ○ for return.

TeamViewer QuickSupport		
How to connect to this device	Your ID 198 029 322 SEND MY ID	0
 Ready to connect (secure connection) 		

Figure 13-1 Sample QuickSupport Screen

2. Send your ID to us to let our team to take control your tablet.