



TPMS Diagnostic Tool

O-Genius

User's Manual

ID COPY Patent Number

1.8031064C3

2.I522602

3.CN101881699B

4.JP5463568



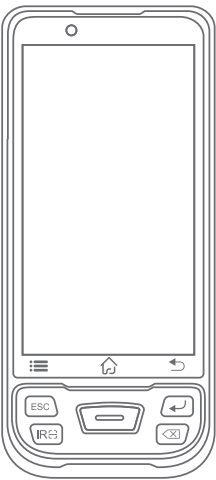
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service@orange-electronic.com

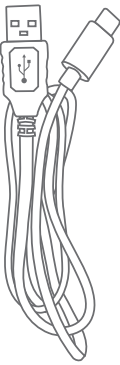
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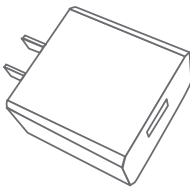
Specifications



O-Genius



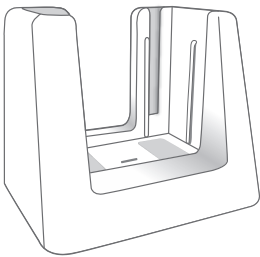
Power Cable



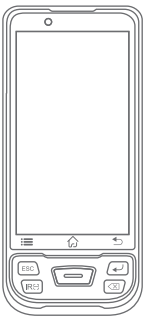
Power Adapter



OBD II Dongle
(Refer as OBD below)



Charge stand



Operating System	Android 9.0
Processor	Octa-core processor (2.0 GHz)
Memory	3GB RAM & 32GB ROM
Display	5" High Resolution IPS 1280x720
Camera	13 MP
Connectivity	Wi-Fi; Bluetooth 5.0; Type C (USB 2.0)
Power	3.8V lithium-polymer battery ; 7500 mAh
Operating Temperature	-10°C to 50°C (4°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)



Operating Voltage	DC 12V
Operating Current	<50mA
Bluetooth	5.0
Operating Temperature	- 30 °C to 75°C (-22°F to 167°F)
Storage Temperature	- 40 °C to 85°C (-40°F to 185°F)

【Warranty Period】

The main unit of this product is covered by a 2-year warranty; however, the built-in battery (or accessories) is limited to a 1-year warranty.

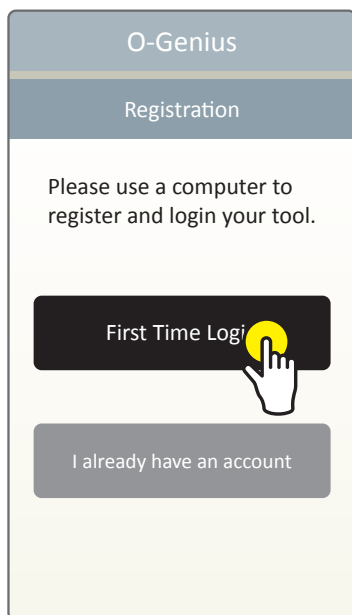
【Exclusions from Warranty】

Batteries are consumable components. Normal degradation in battery capacity and performance due to aging, usage frequency, and time elapsed constitutes ordinary wear and tear and is not covered under this warranty. However, hardware failures caused by manufacturing defects—such as inability to charge or battery swelling—are eligible for free repair or replacement within the applicable warranty period.

Create an account

1 Connect to WiFi

1. Select language
2. Please confirm "Privacy Policy"
3. Connect to WiFi
4. Click "First time login"



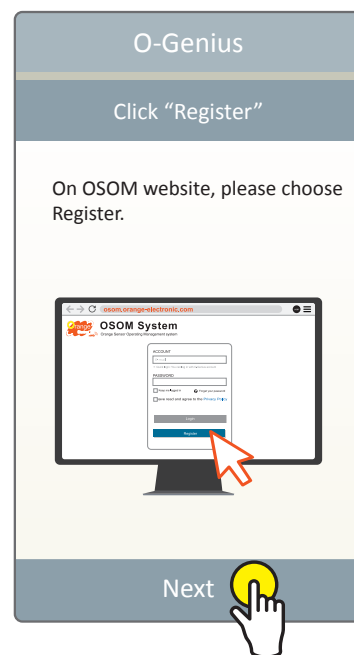
2 Search or enter the OSOM URL

Find a computer with internet access, and enter the following address: osom.orange-electronic.com



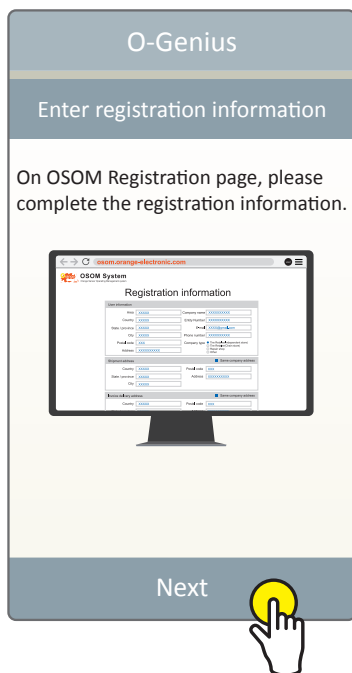
3 Click "Register"

Click the register button on the OSOM website home page.



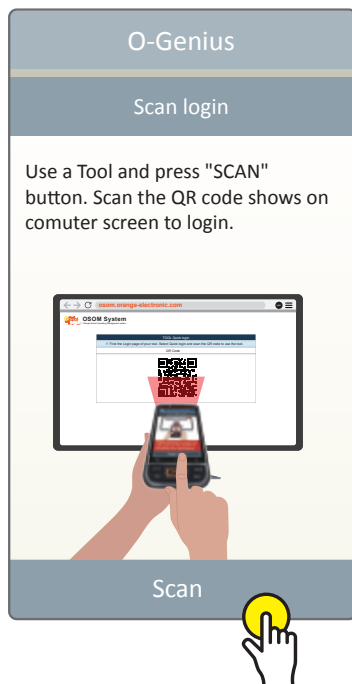
4 Enter registration information

Enter the required information on the signup pages.



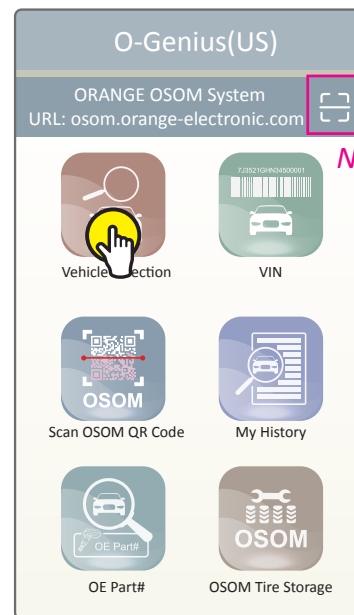
5 Scan login

Please use TOOL to click the scan button and scan a QR Code on your computer screen to log in



6 Completed

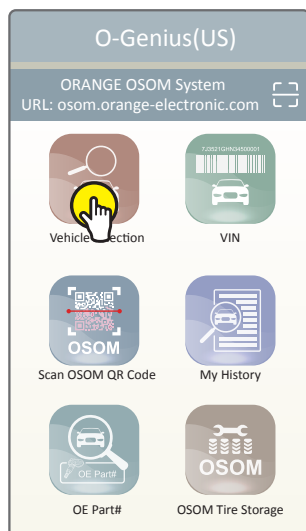
After registration, the account will be bound to the tool serial number. If you forget your account, please contact customer service for assistance.



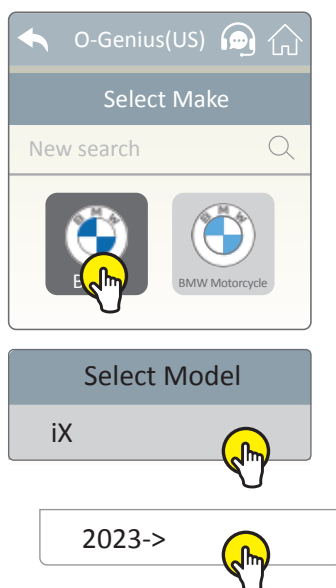
Note1: If you forgot the account and password of OSOM system on PC. Click this button to scan the OSOM QR code to log in.

Read Sensor

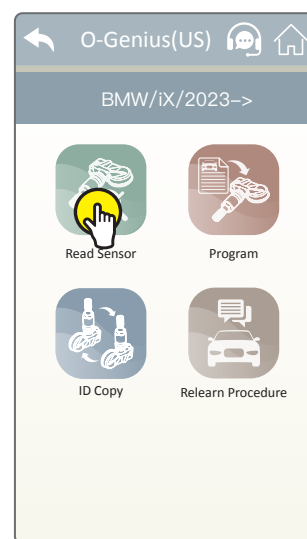
1 Select vehicle by different methods.



2 Select Make, Model, Year

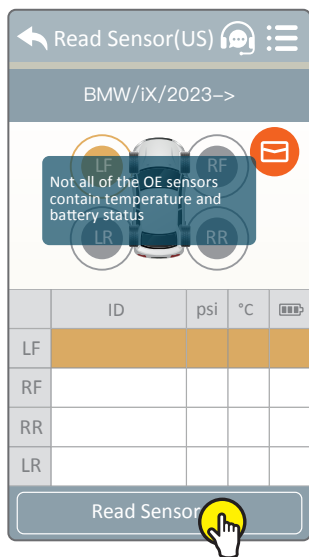


3 Select "Read Sensor"

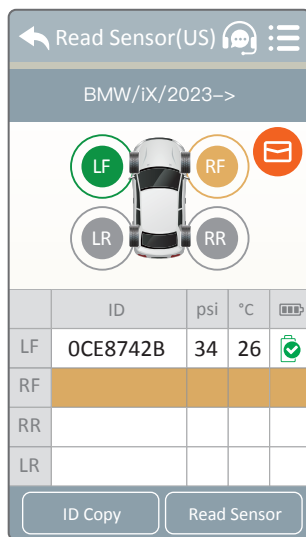


4 Select "Read Sensor"

Select "Read Sensor", to check the sensor.

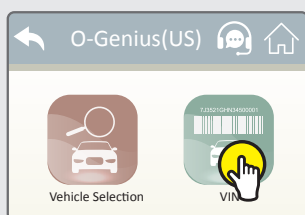


5 Completed



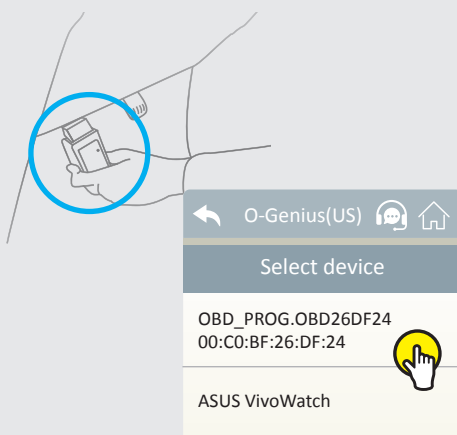
Note2* Scan VIN to get vehicle information

1. Select "VIN"

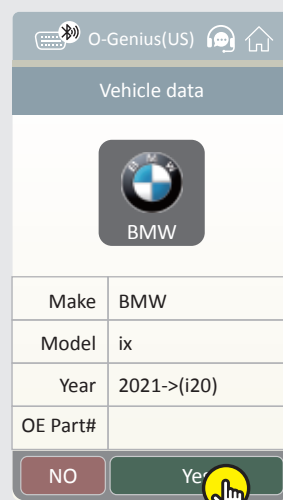


2. Connect to OBD

- * Turn ignition to ON, engine off
- * Then plug in OBD

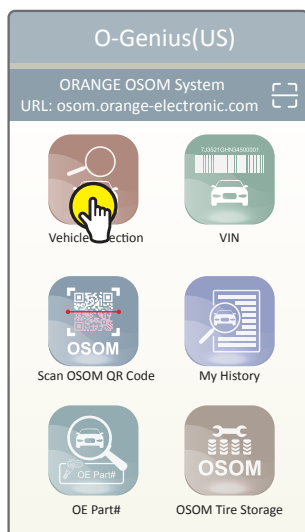


3. Obtain the vehicle information

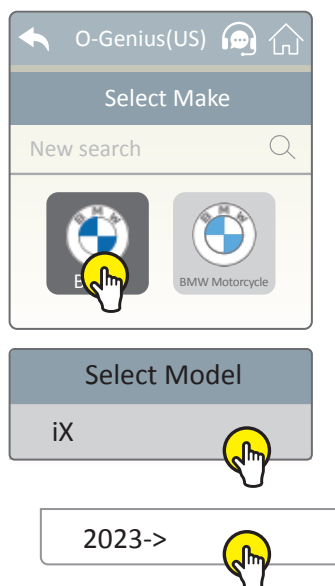


Program

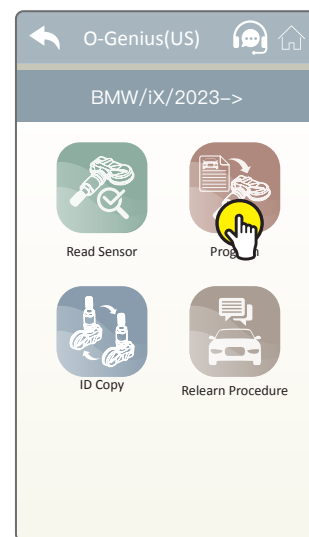
1 Select vehicle by different methods.



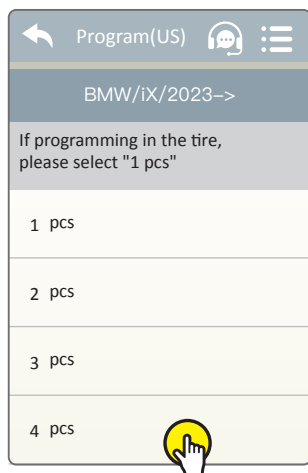
2 Select Make, Model, Year



3 Select "Program"



4 Select of the sensor quantity



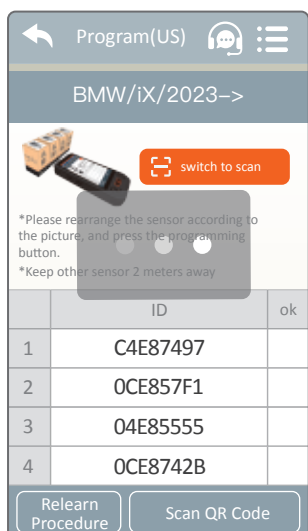
5 Select enter ID method



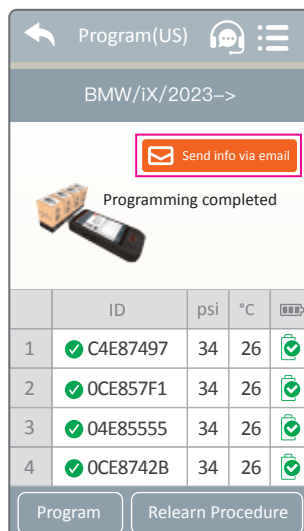
6 Scan the QR Code



7 Program automatically once all sensor IDs were scanned.



8 Completed



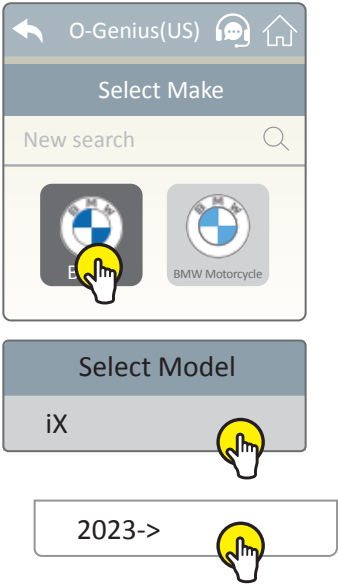
Click "Send info via email" can keep the programming data(ID number, tire pressure, MMY, Time) to your mail.

ID-Copy- Single Program

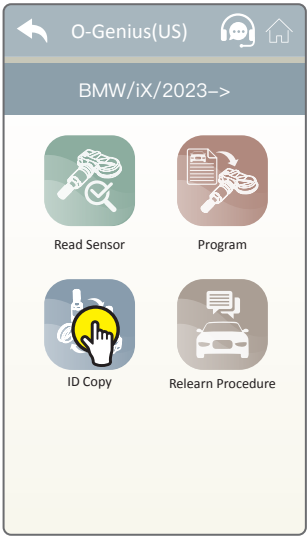
1 Select vehicle by different methods.



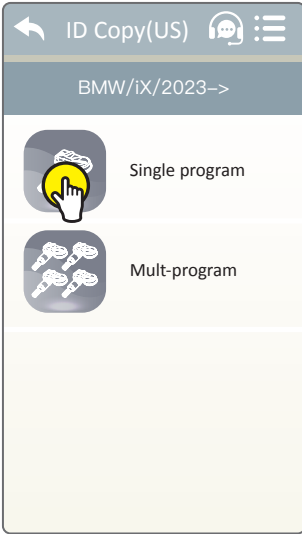
2 Select Make, Model, Year



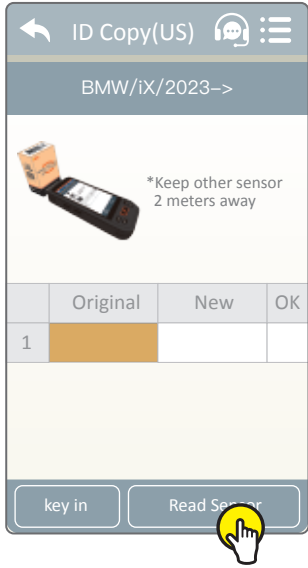
3 Select "ID Copy"



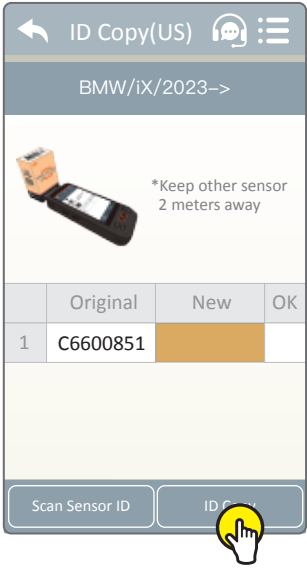
4 Select "Single Program"



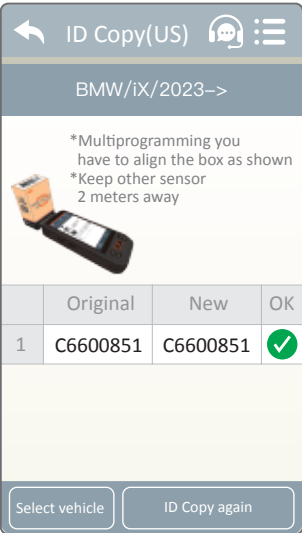
5 Select "Read Sensor"



6 Click "ID Copy"



7 Completed

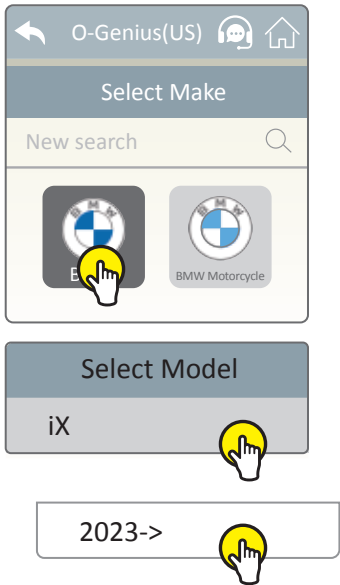


ID-Copy- Multi Program

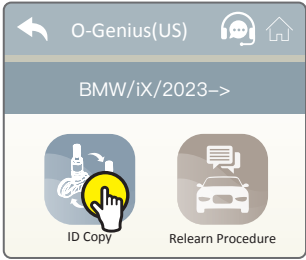
1 Select vehicle by different methods.



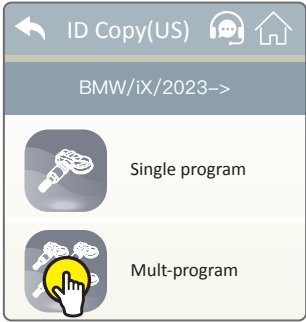
2 Select Make, Model, Year



3 Select "ID Copy"

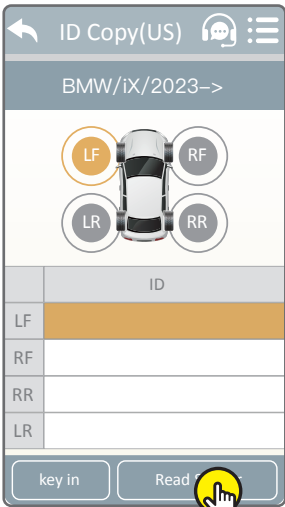


Select "Multi Program"

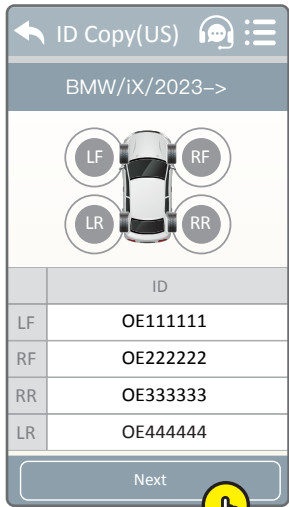


4 Read sensor ID

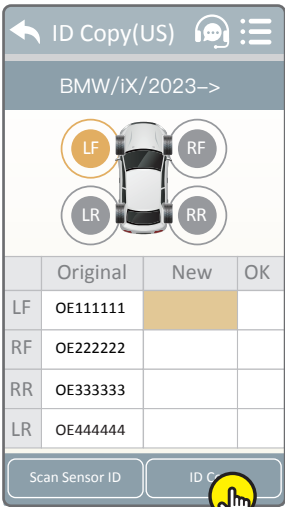
Start at the front left tire and read the sensor IDs clockwise. (LF, RF, RR, LR)



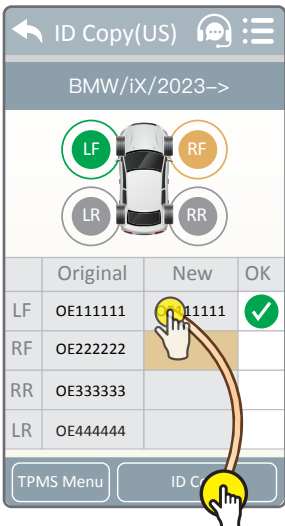
5 Select "Next"



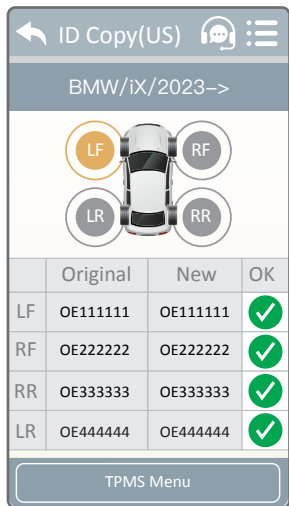
6 Select "ID Copy"



7 Select next tire position and click "ID Copy"

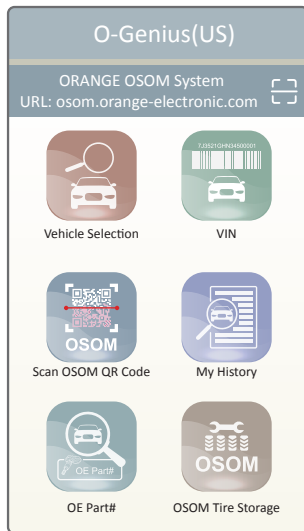


8 Completed

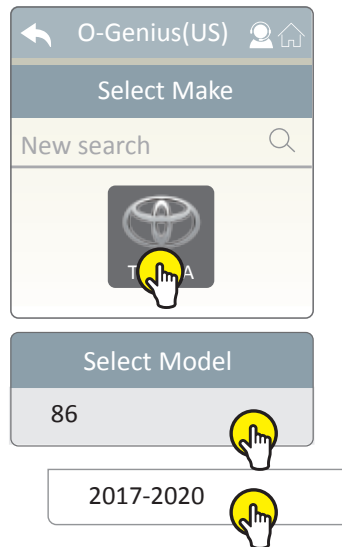


Retrieve ID

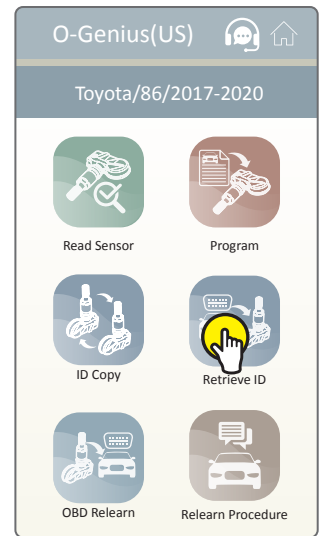
1 Select vehicle by different methods.



2 Select "Vehicle Selection"

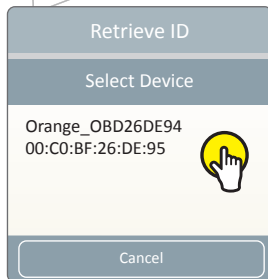


3 Select "Retrieve ID"

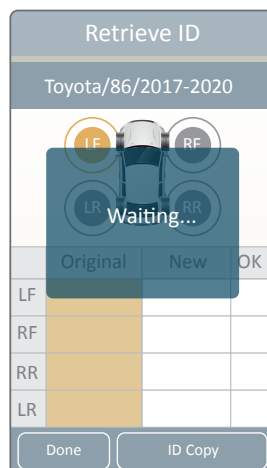


4 Connect to OBD

1. Turn ignition to ON, engine off, then plug in OBD
2. System will detect OBD device. Please click "Orange_OBDXX"



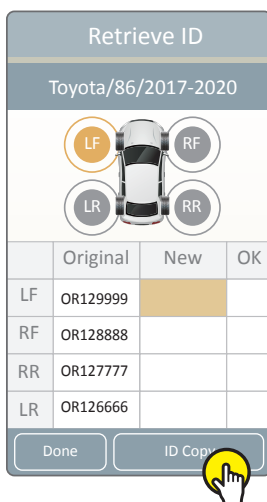
5 OBD reads Original Sensor ID



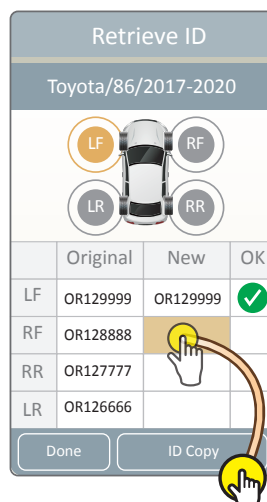
6 Remove OBD device



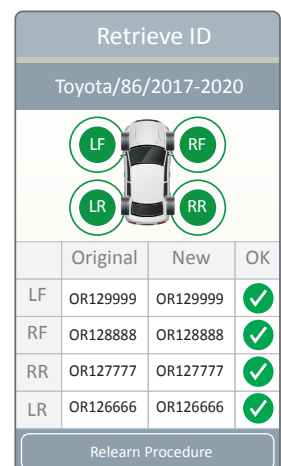
7 Select "ID Copy"



8 Select next tire position and click "ID Copy"

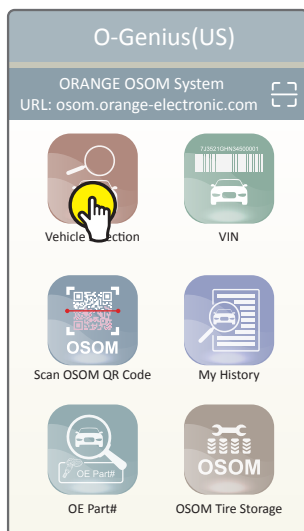


9 Completed

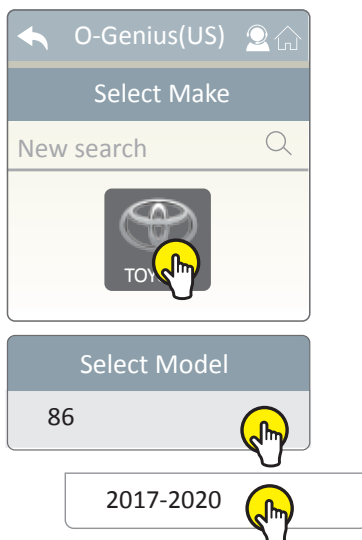


OBd Relearn

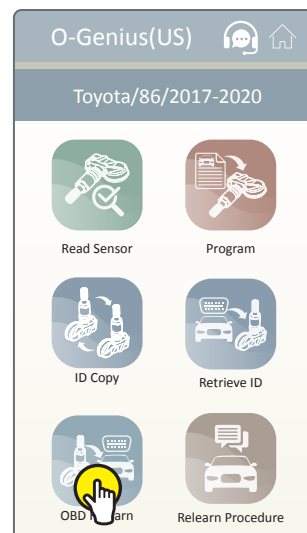
1 Select vehicle by different methods.



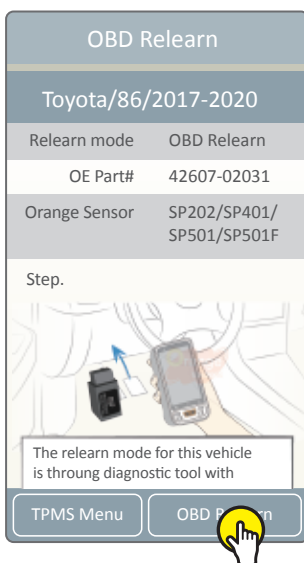
2 Select Make, Model, Year



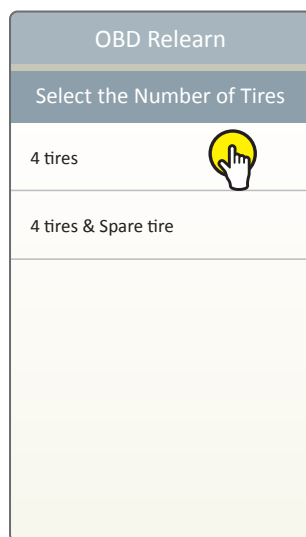
3 Select "OBd Relearn"



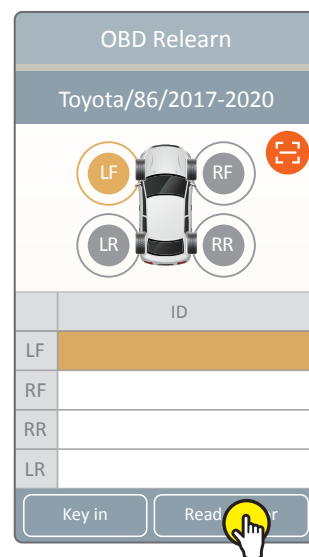
4 Select "OBd Relearn"



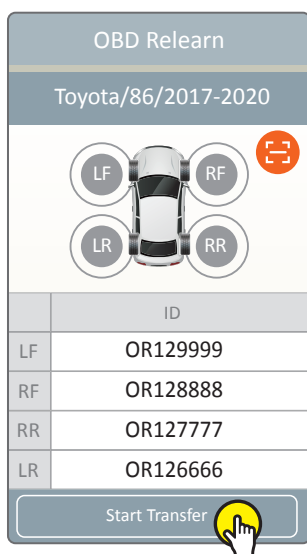
5 Select the Number of Tires



6 Select "Read Sensor"



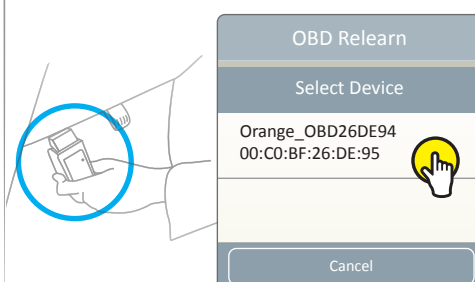
7 Select "Start Transfer"



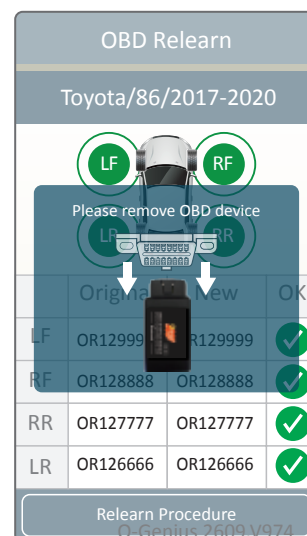
8 Connect to OBd

1. Turn ignition to ON, engine off, then plug in OBd
2. System will detect OBdII device. and click it.

*Sensor ID and Tire position data are transferred to OBd separately.



9 Completed

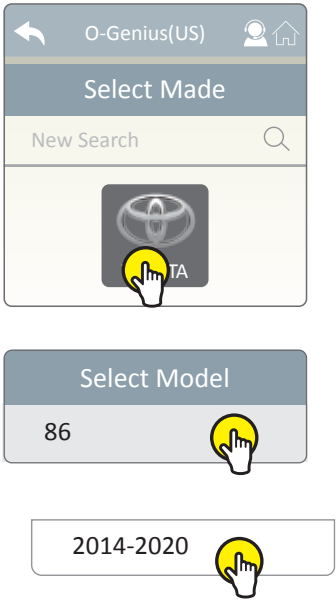


Relearn Procedure

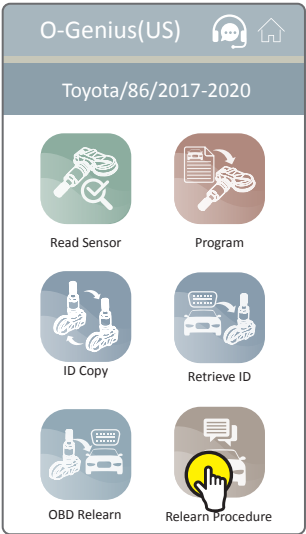
1 Select vehicle by different methods.



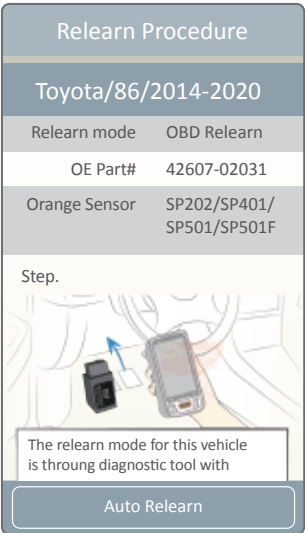
2 Select Make, Model, Year



3 Select "Relearn Procedure"



4 Completed



OE Part#

1 Select "OE Part#"



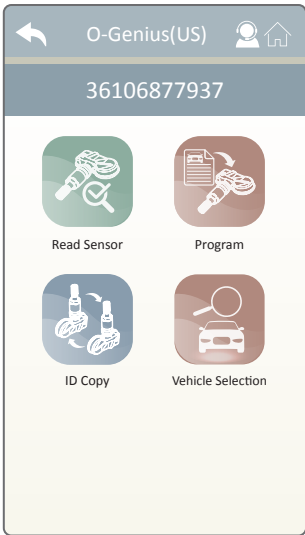
2 Key in "OE-Part"



3 Select OE Part



4 Completed

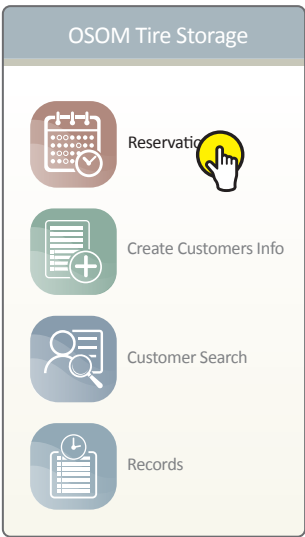


OSOM Tire Storage

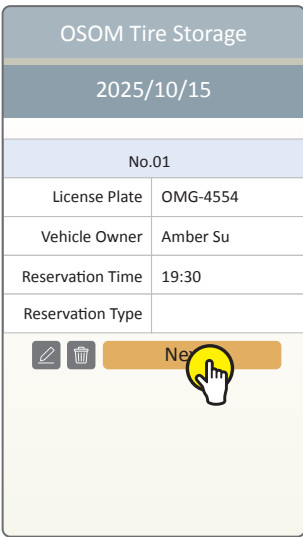
1 Select “OSOM Tire Storage”



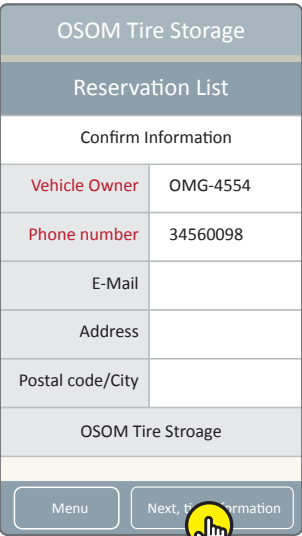
2 Select “Reservation List”



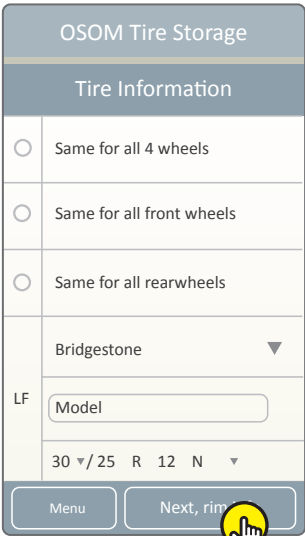
3 Select “Next”



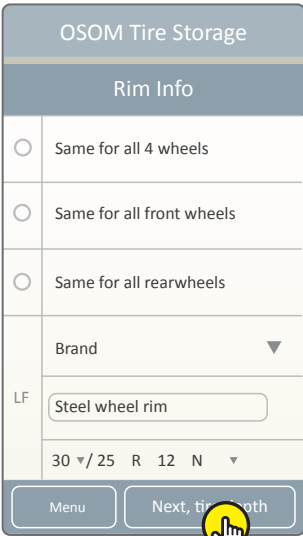
4 Check reservation list



5 Check tire information



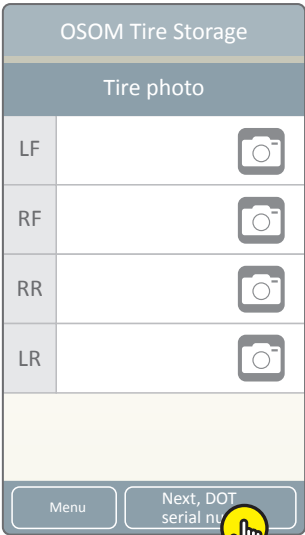
6 Check Rim info



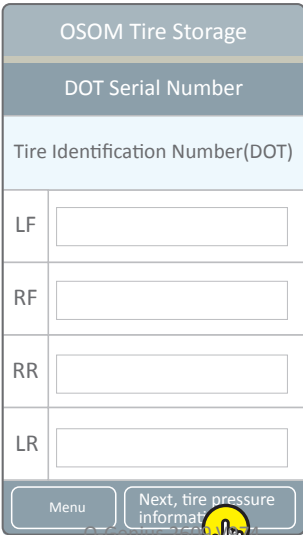
7 Enter tire depth



8 Take a photo of tire



9 Enter DOT Serial Number



10 Select “Read sensor”

Read Sensor

BMW/iX/2023-->

LF

RF

LR

RR

Not all of the OE sensors contain temperature and battery status

	ID	psi	°C	
LF				
RF				
RR				
LR				

Read Sensor

11 Select “Next”

Read Sensor

BMW/iX/2023-->

LF

RF

LR

RR

Not all of the OE sensors contain temperature and battery status

	ID	psi	°C	
LF	OCE8742B	34	26	OK
RF	OCE8753B	34	26	OK
RR	OCE8767B	34	26	OK
LR	OCE8787B	34	26	OK

MenuNext

12 Select “Save”

OSOM Tire Storage

Reservation List

Confirm Information

Vehicle Owner	OMG-4554
Phone number	34560098
E-Mail	
Address	
Postal code/City	

OSOM Tire Stroage

EditSave

13 Completed

OSOM Tire Storage

Reservation List

Create Customers Info

Customer Search

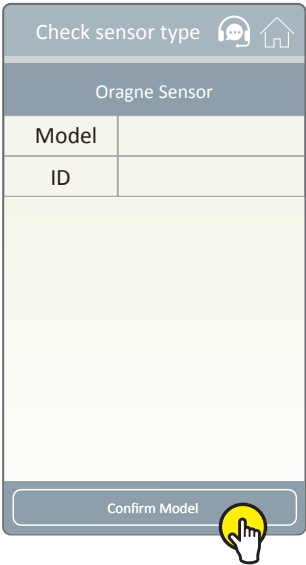
Records

Check Sensor Type

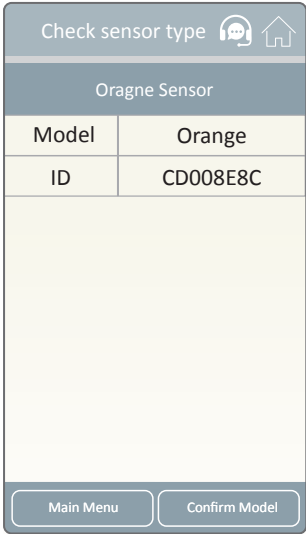
1 Select “Check Sensor Type”



2 Click “Confirm Model”

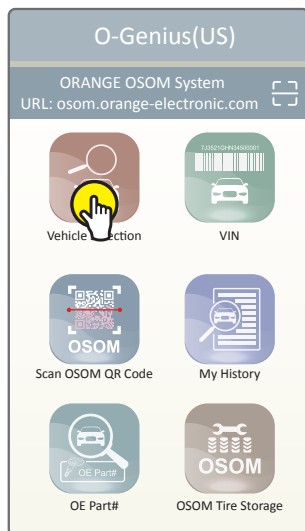


3 Completed

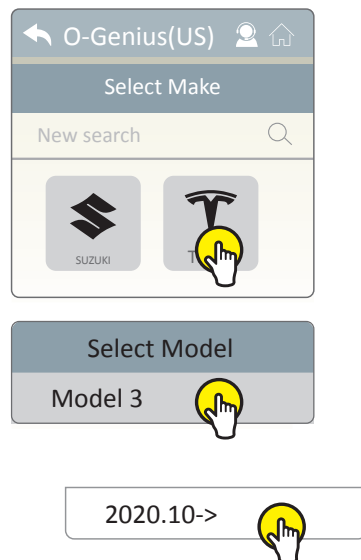


Update Bluetooth TPMS

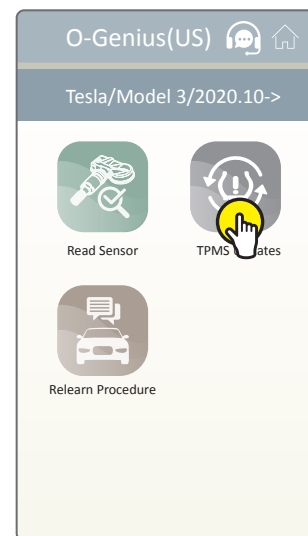
1 Select vehicle by different methods.



2 Select Make, Model, Year

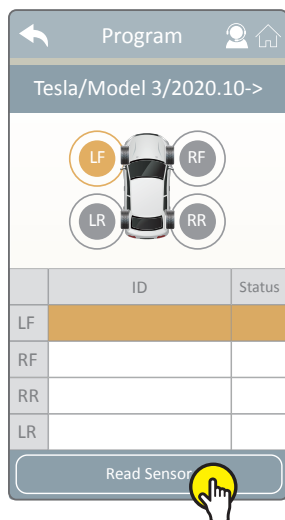


3 Select "TPMS Updates"

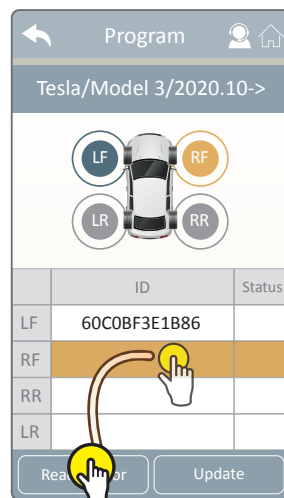


4 Select "Read Sensor"

Place the top of O-Genius at the tire position where the valve is for updating.

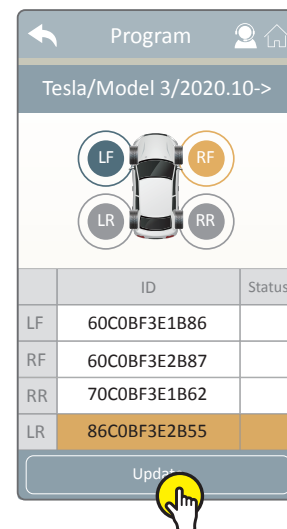


5 Select next tire and press "Read Sensor"

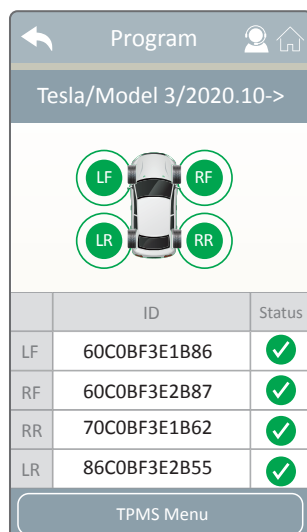


6 Get All sensor IDs

Press "Update" to update.



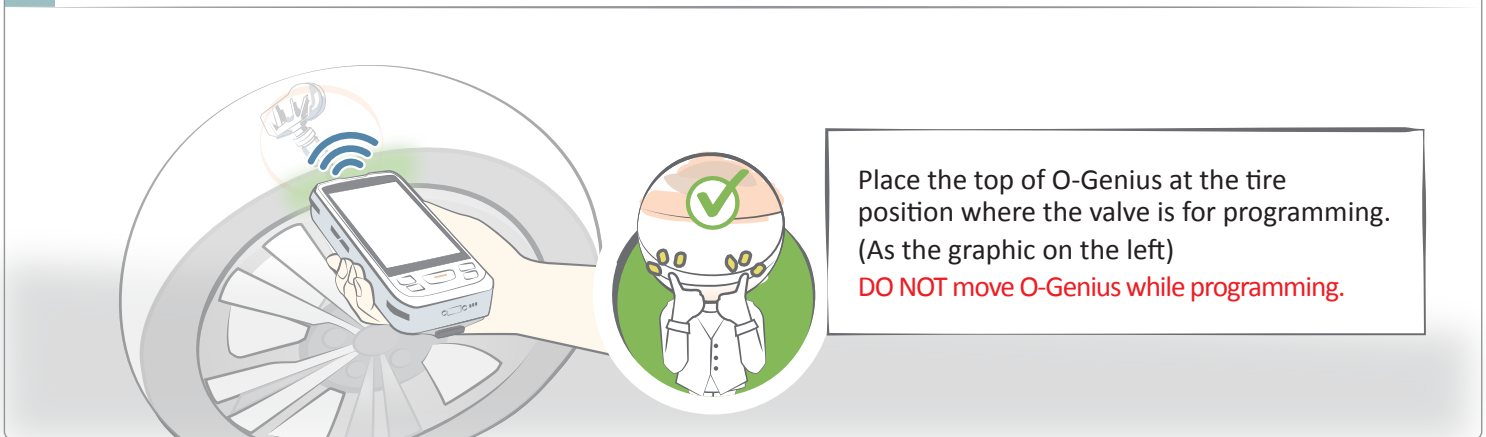
7 Completed



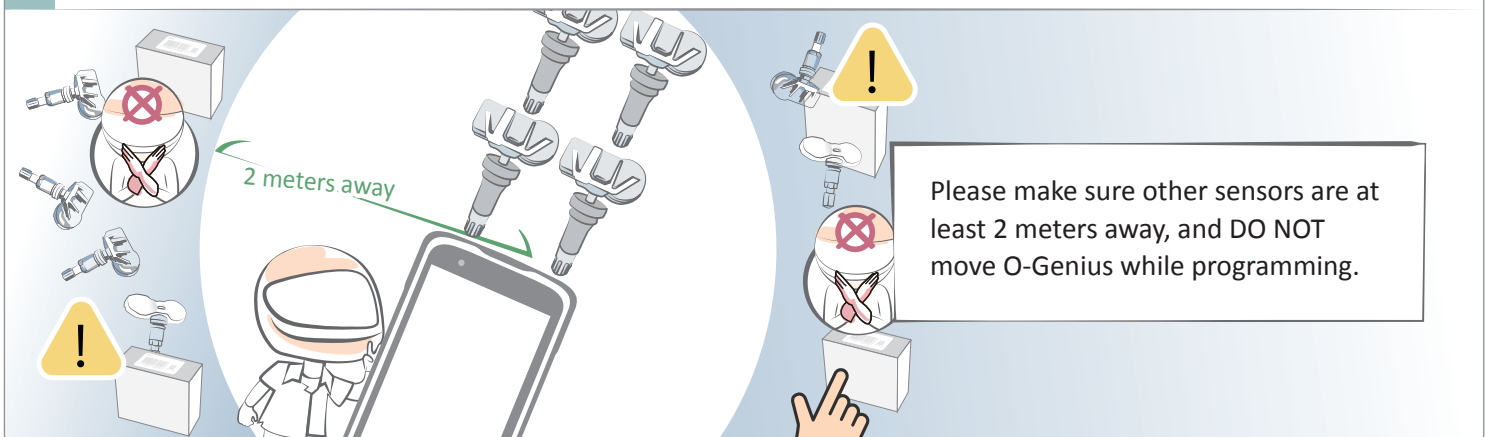
1 How many sensors can be programmed simultaneously?



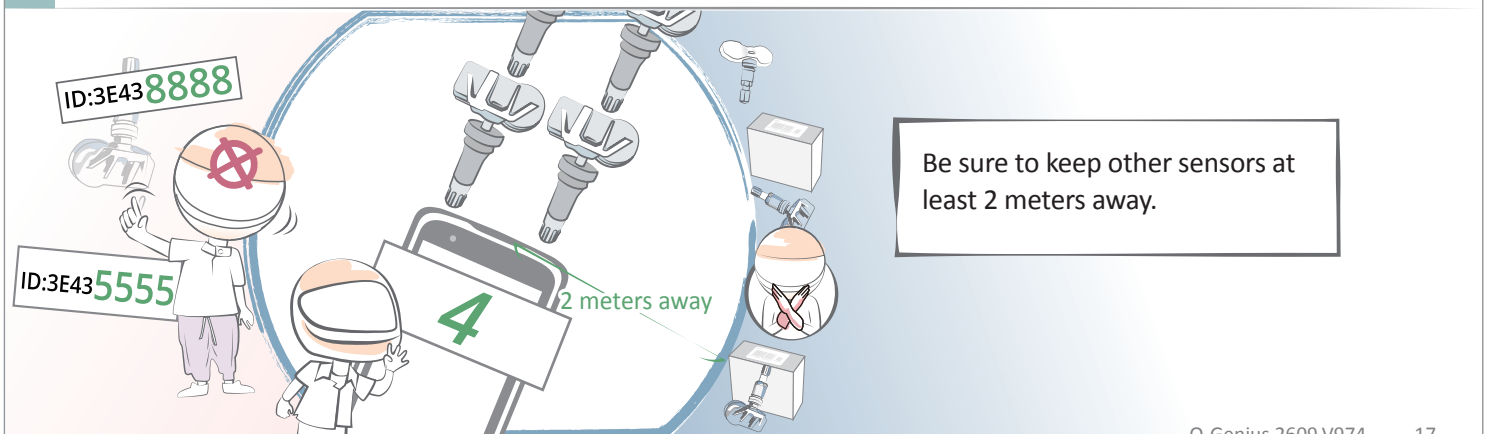
2 (Read /Program) Read /Program failure when sensor mounted inside the tire.



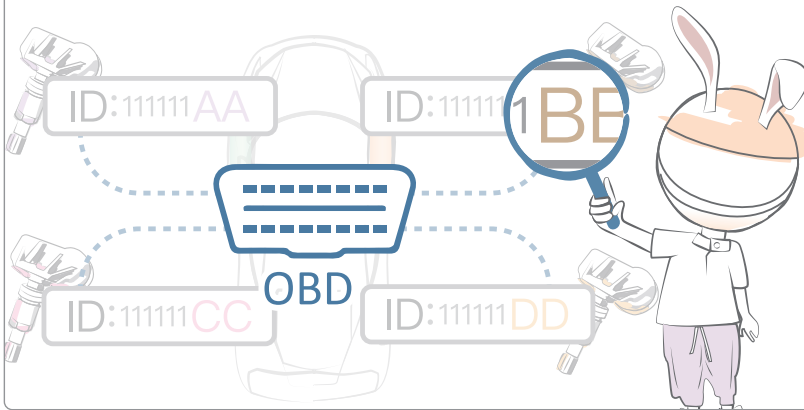
3 Program failure. Sensor is not mounted inside the tire.



4 (ID Copy) ID Copy failure

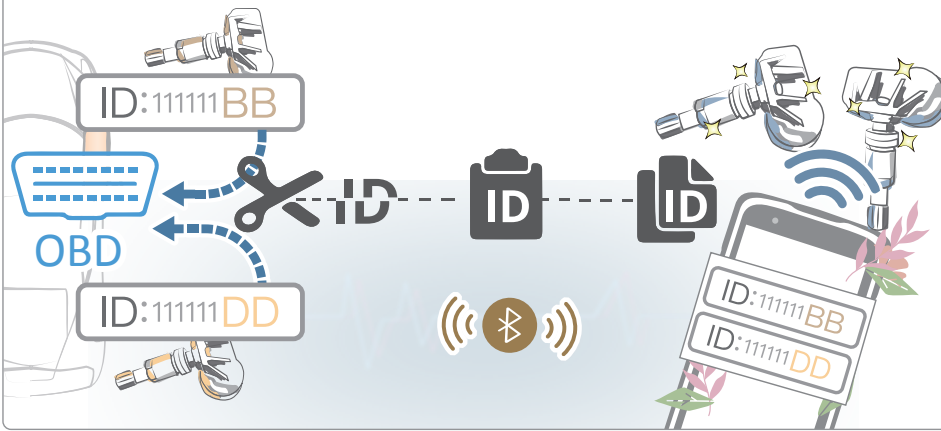


5 Is it also possible to do the OBD transfer with "Retrieve ID"?



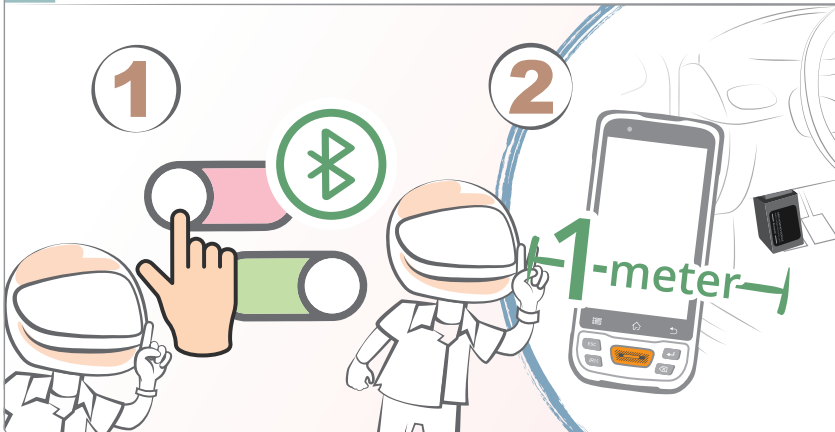
No, "Retrieve ID" only reads the sensor ID number from ECU.
If sensor ID number need to be modify from ECU, please use OBD relearn procedure.

6 What is the functionality of "Retrieve ID"?



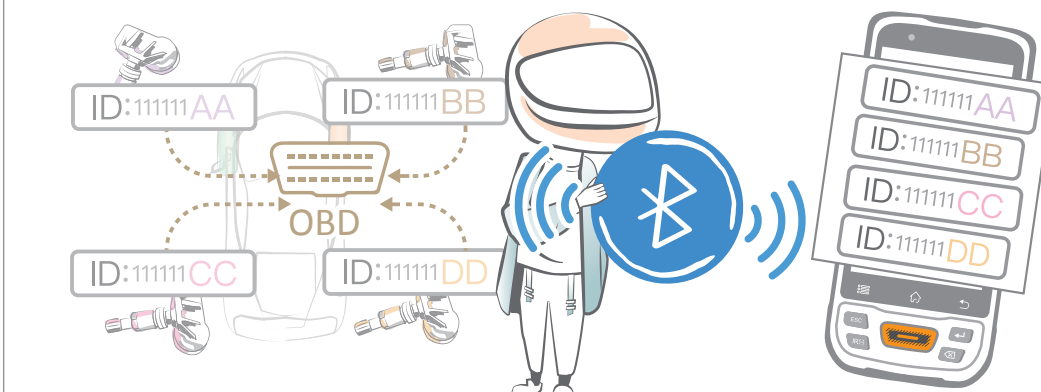
Using OBD to read the sensor ID number from ECU and copy the ID number to Orange sensor.

7 (OBD Relearn/ Retrieve ID) OBD bluetooth disconnected.



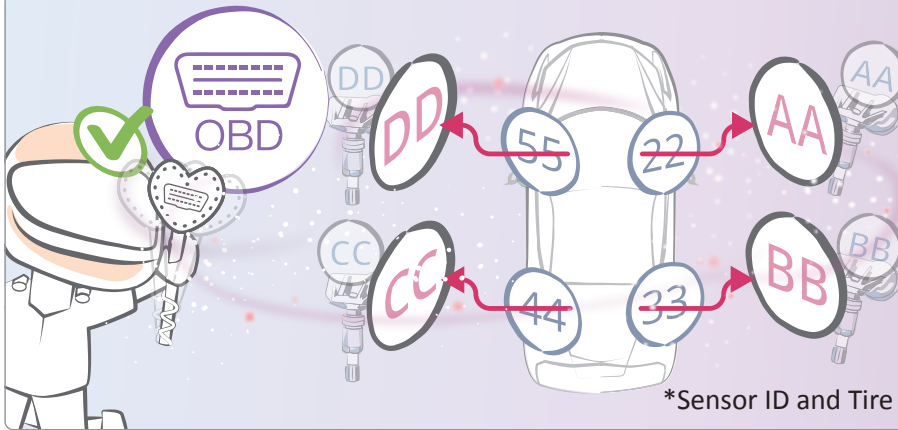
1. Restart the OBD Bluetooth.
2. Keep the distance within 1 meter between O-Genius and OBD.

8 During OBD Relearn, do I need to connect to a cable or is it wireless connection?



During OBD Relearn, it uses Bluetooth connection.

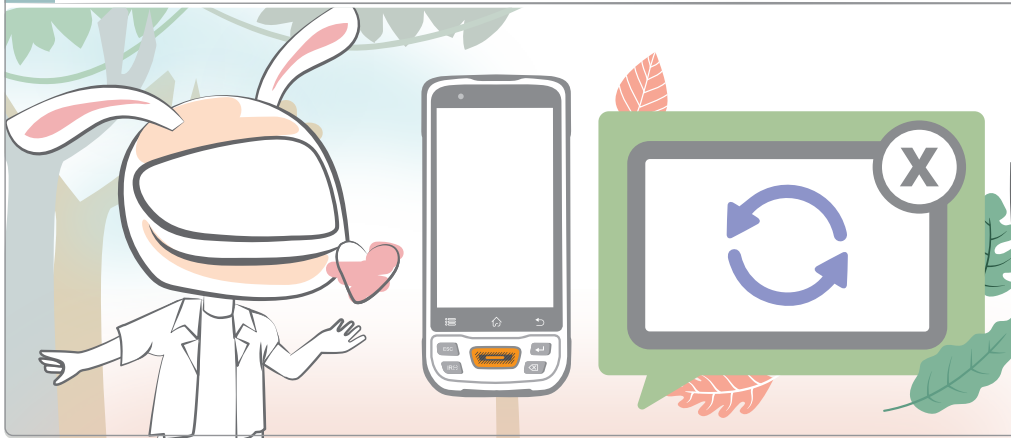
9 During OBD Relearn, does it only transfer sensor ID to ECU?



Yes, during OBD Relearn, you could only upload sensor ID to ECU.

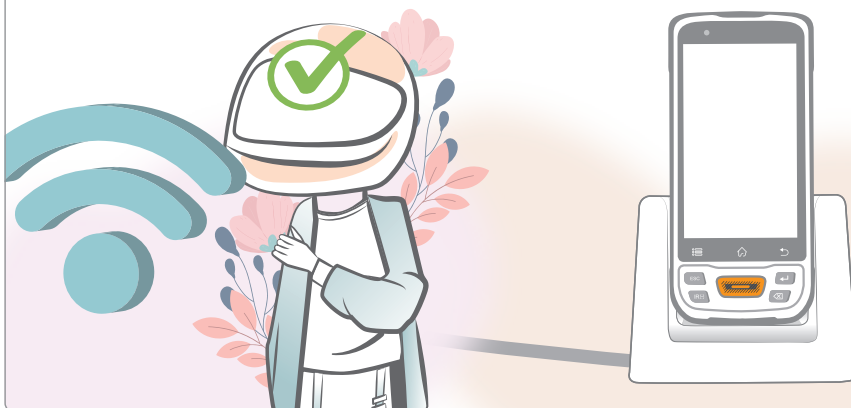
*Sensor ID and Tire position data are transferred to OBD separately.

10 How frequent should I update O-Genius?



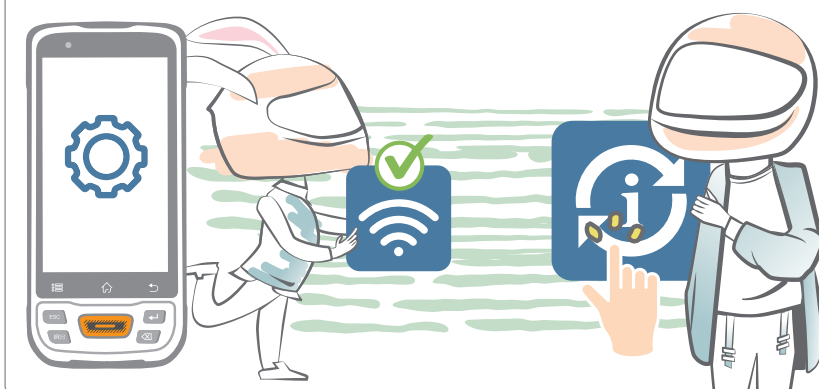
It will inform you automatically, if there is an update.

11 Can it be updated through WiFi?



Yes, you could update through WiFi. Make sure O-Genius is plug-in to the power supply.

12 How to update O-Genius?



Please connect the tool to WiFi, and it will update automatically.
Or you may go to the "setting", and choose "update", and doing the update manually.

13 Can O-Genius be used without WiFi?



Yes, but it is recommended to connect O-Genius to Wi-Fi periodically, to make sure system is up to date.