TPMS Diagnostic Tool

O-Genius

User's Manual

ID COPY Patent Number
1.8031064C3
2.I522602
3.CN101881699B
4.JP5463568

Orange Electronic Co., Ltd.
(Headquarter) 5F, NO.29, Keya Rd. Central
Taiwan Science Park, Taichung 42881, Taiwan
service@orange-electronic.com

Specifications ---- 3

Create an account ---- 4

Read Sensor ---- 5

Program ---- 6

ID-Copy- Single program ---- 7

ID-Copy- Multi program ---- 8

Retrieve ID ---- 9

OBD Relearn ---- 10

Relearn Procedure ---- 11

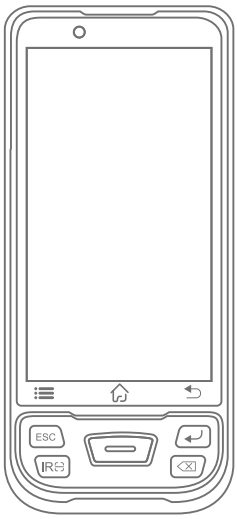
OE Part# ---- 12

OSOM Tire Storage ---- 13

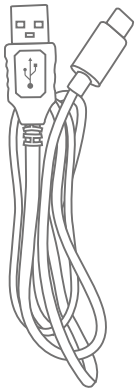
Check Sensor Type ---- 15

Updadte TPMS ---- 16

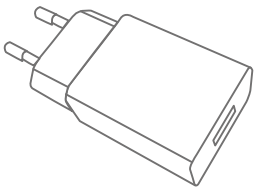
FAQ ---- 17



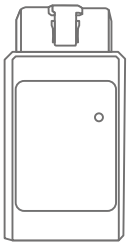
O-Genius



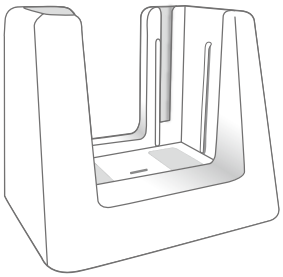
Power Cable



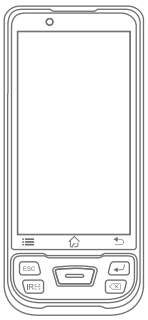
Power Adapter



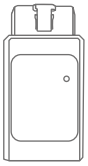
OBD II Dongle
(Refer as OBD below)



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)
Weight	465g

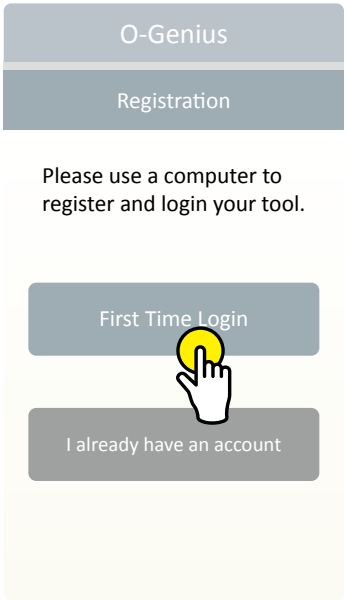


Operating Voltage	DC 12V
Operating Current	<50mA
Bluetooth	5.0
Operating Temperature	- 30 °C to 75°C (-22°F to 167°F)
Storage Temperature	- 40 °C to 85°C (-40°F to 185°F)

Create an account

1 Connect to WiFi

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

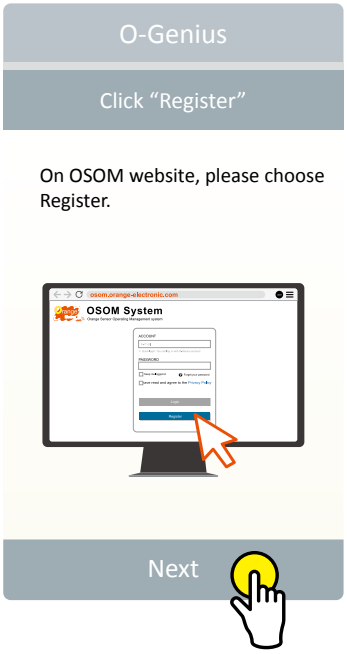


2 Search or enter the OSOM URL

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

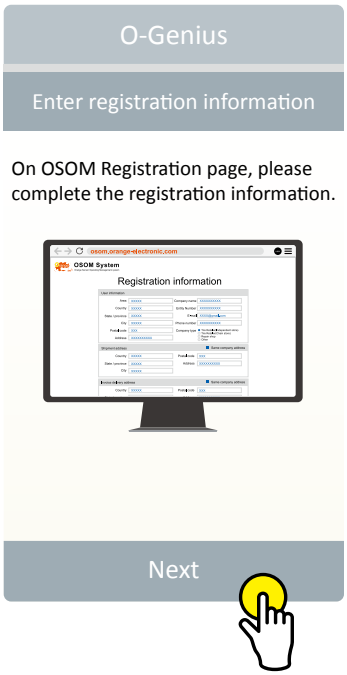
3 Click “Register”

Click the register button on the OSOM website home page.



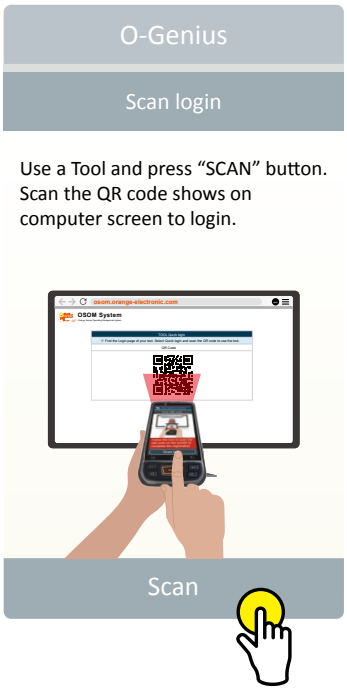
4 Enter registration information

Enter the required information on the signup pages.



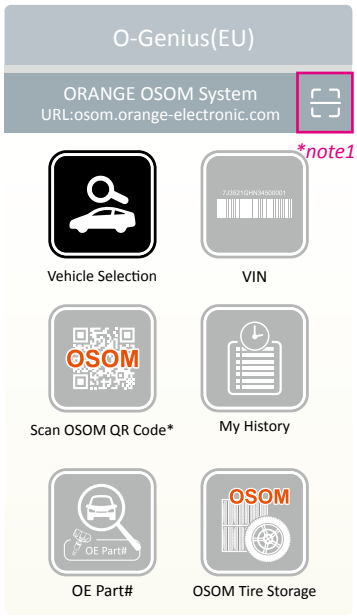
5 Scan login

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



6 Completed

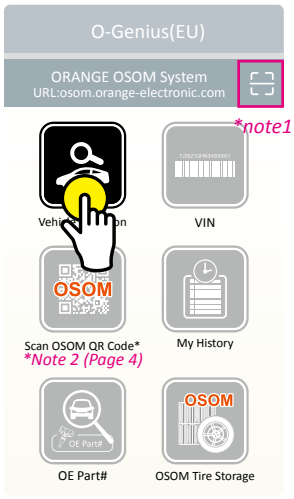
After registration, the account will be bound to the tool serial number. If you forget your account, please contact customer service for assistance.



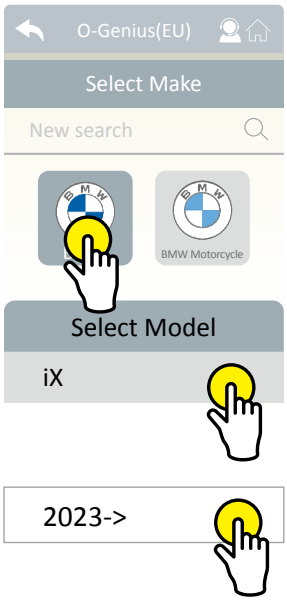
*note1 (page 4)

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.

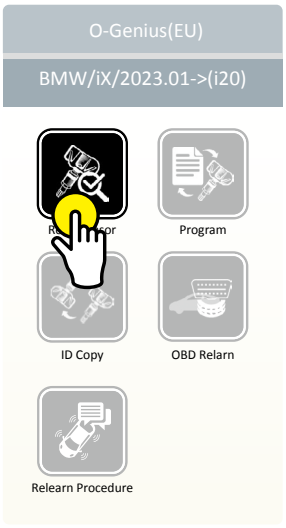
1 Select vehicle by different methods.



2 Select Make, Model, Year

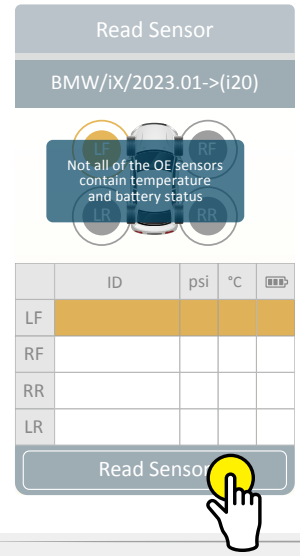


3 Select " Read Sensor"

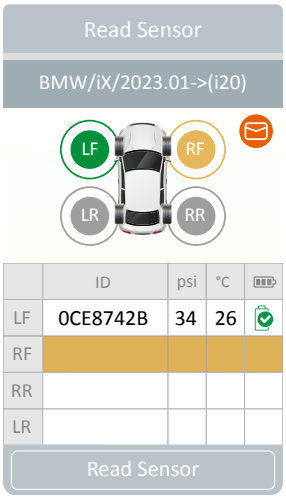


4 Select "Read Sensor"

Select "Read Sensor", to check the sensor.

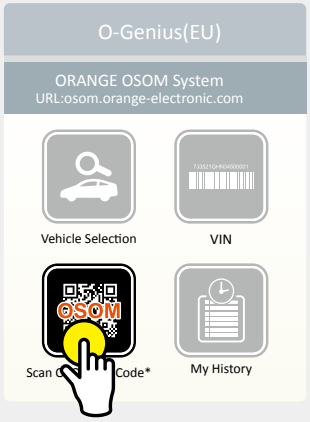


5 Completed

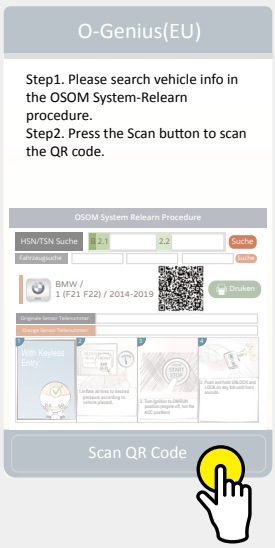


*Note 1:** Scan OSOM QR Code

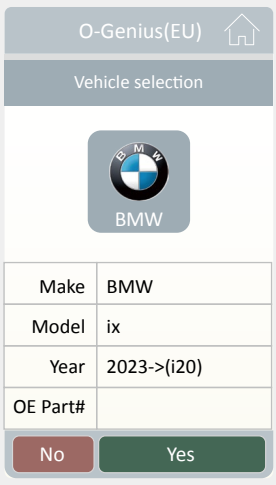
1. Select "Scan OSOM-QR-Code"
2. Link to OSOM System
   https://osom.orange-electronic.com/ and
   select "Relearn Procedure" to get the QR Code.



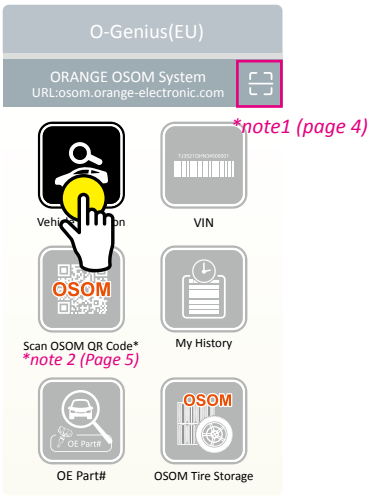
3. Scan the QR Code on the OSOM website



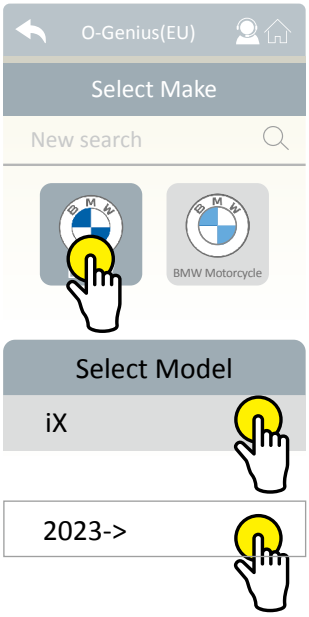
4. Obtain the vehicle MMY



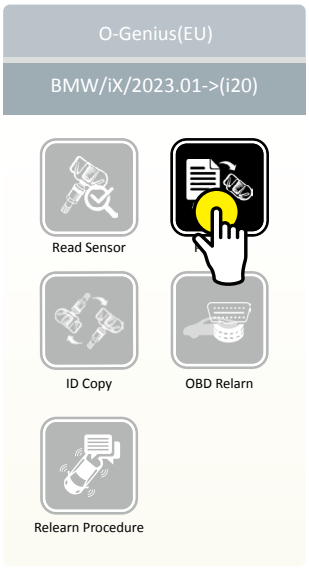
1 Select vehicle by different methods.



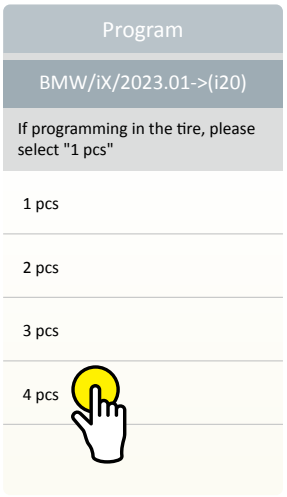
2 Select Make, Model, Year



3 Select " Program"

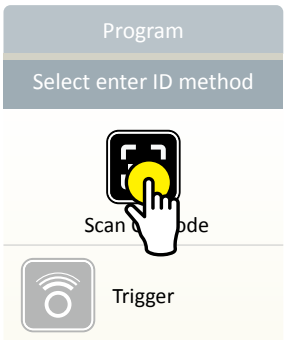


4 Select of the sensor quantity



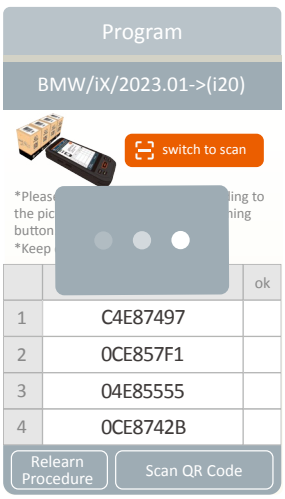
5 Select enter ID method

1. Trigger: Standard method
2. Scan QR Code: More Accurate

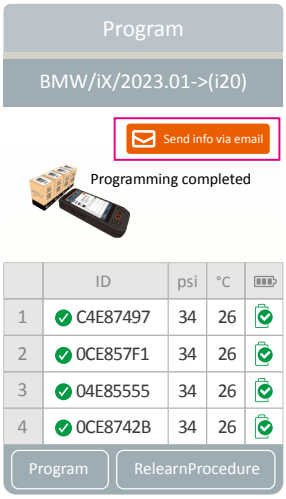


6 Select "Scan QR Code"

7 Program automatically once all sensor IDs were scanned.



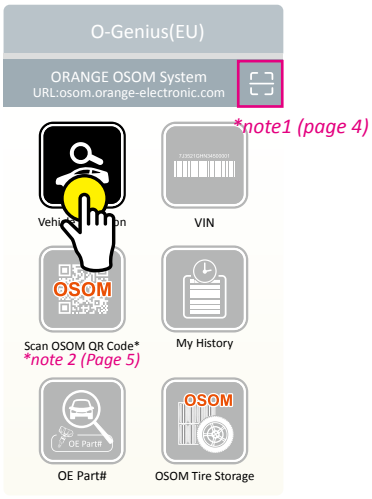
8 Completed



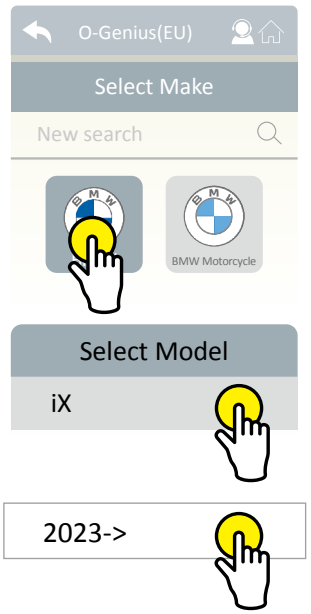
Click "Send info via email" can keep the programming data(ID number, tire pressure, MMY, Time) to your mail.

ID-Copy- Single program

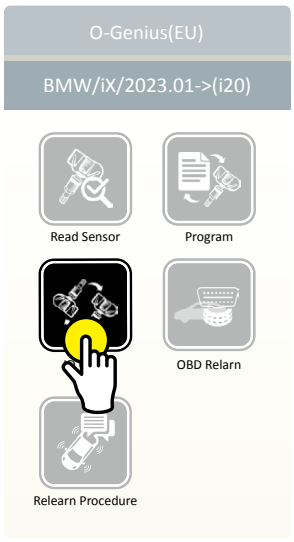
1 Select vehicle by different methods.



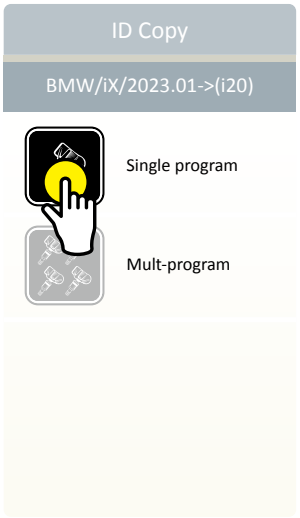
2 Select Make, Model, Year



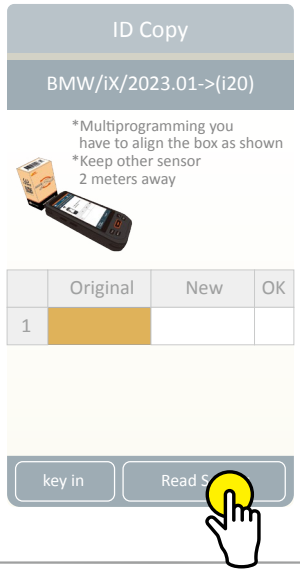
3 Select “ID Copy”



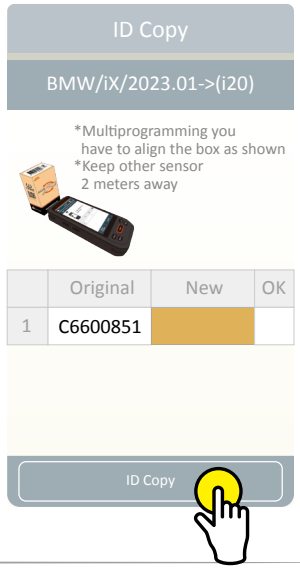
4 Select “Single Program”



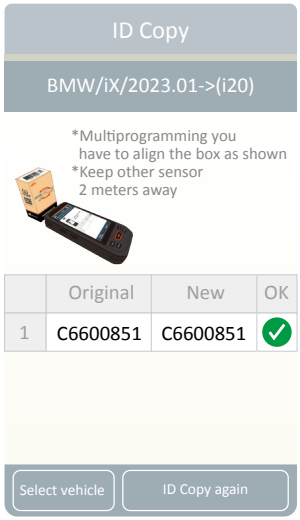
5 Select “Read Sensor”



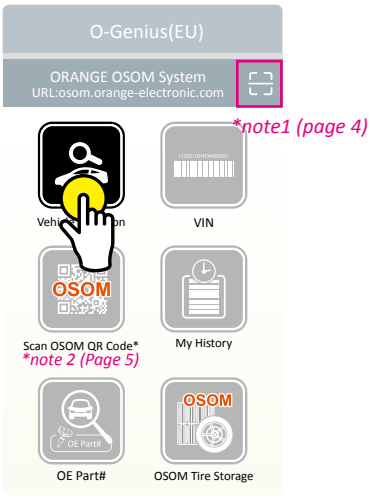
6 Click “ID Copy”



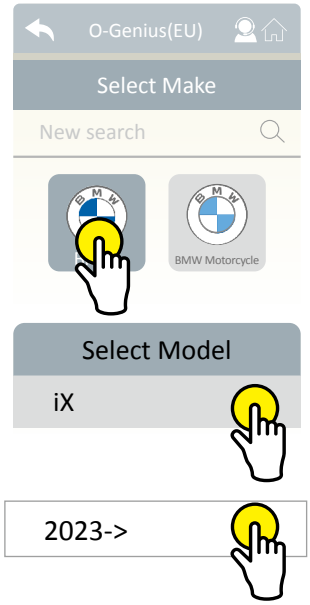
7 Completed



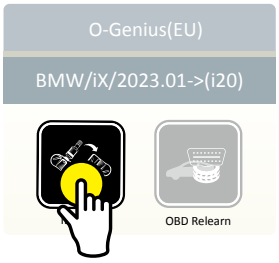
1 Select vehicle by different methods.



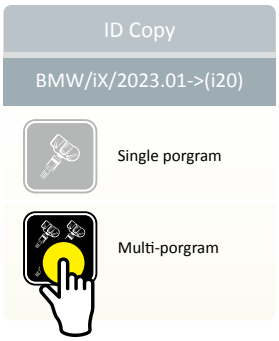
2 Select Make, Model, Year



3 Select “ID Copy”

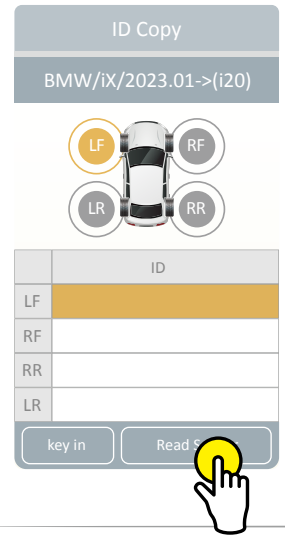


Select “Multi Program”

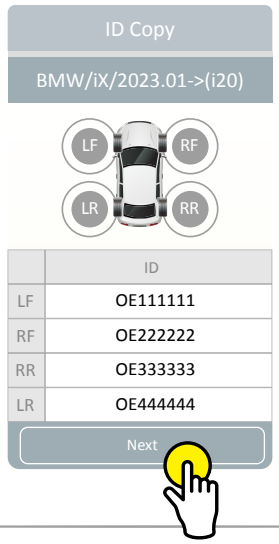


4 Read sensor ID

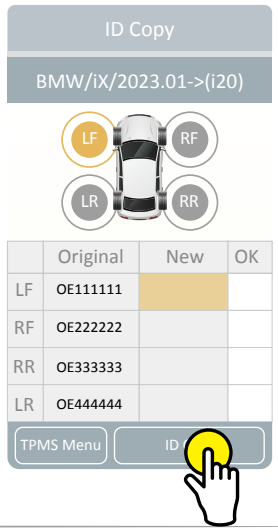
Start at the front left tire and read the sensor IDs clockwise. (LF, RF, RR, LR)



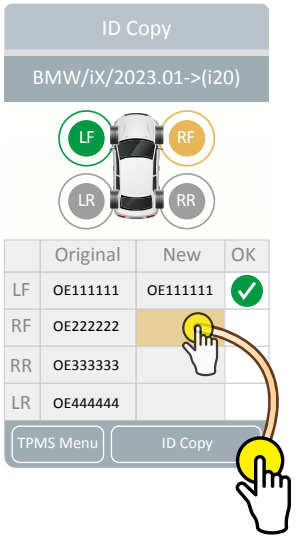
5 Select “Next”



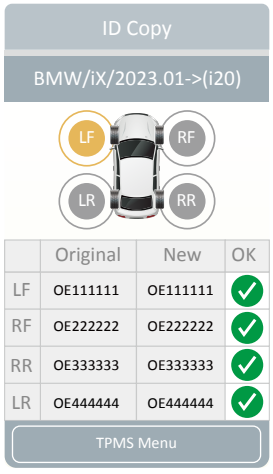
6 Select “ID Copy”



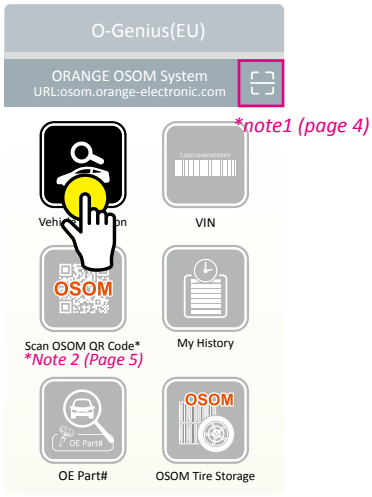
7 Select next tire position and click “ID Copy”



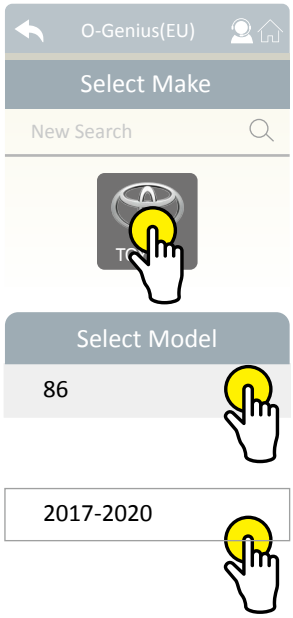
8 Completed



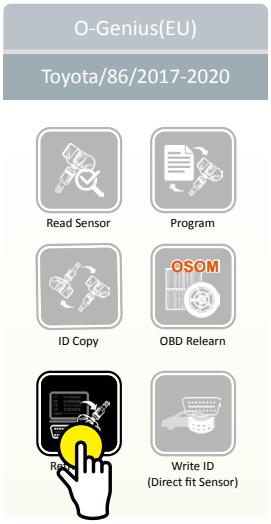
1 Select vehicle by different methods.



2 Select Make, Model, Year

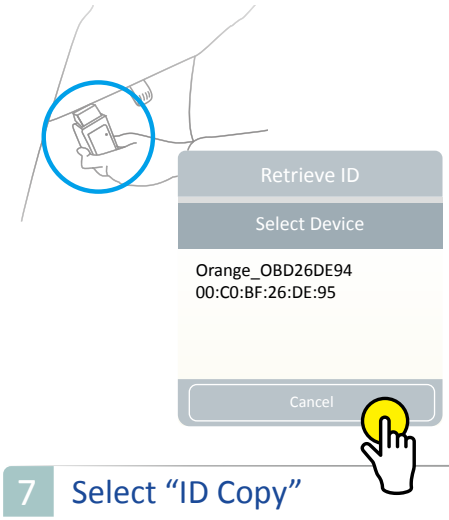


3 Select "Retrieve ID"

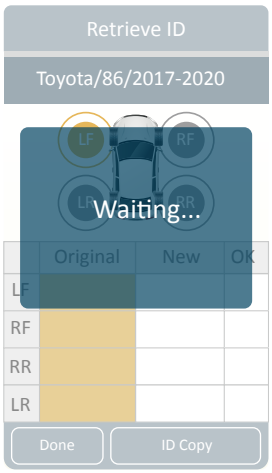


4 Connect to OBD

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

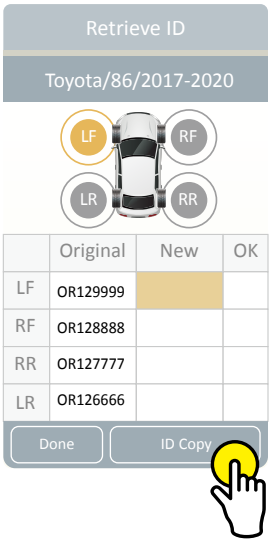


5 OBD reads Original Sensor ID

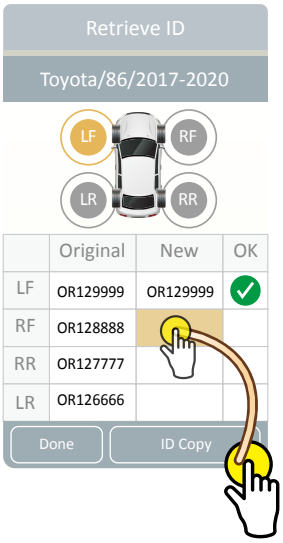


6 Remove OBD device

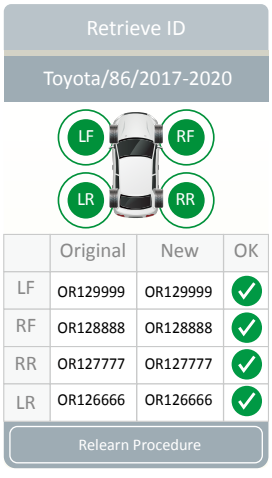
7 Select "ID Copy"



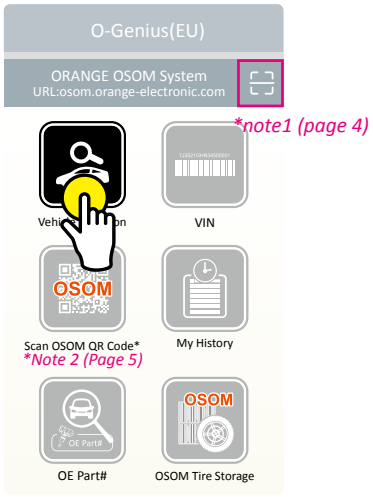
8 Select next tire position and click "ID Copy"



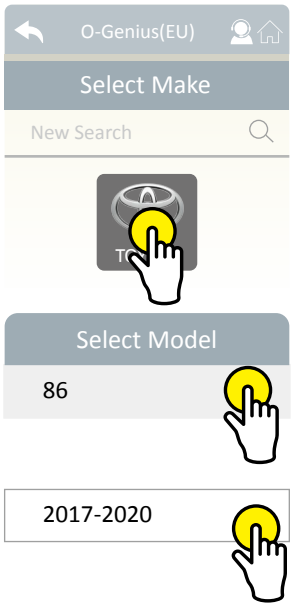
9 Completed



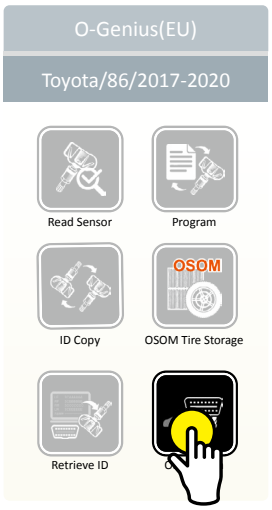
1 Select vehicle by different methods.



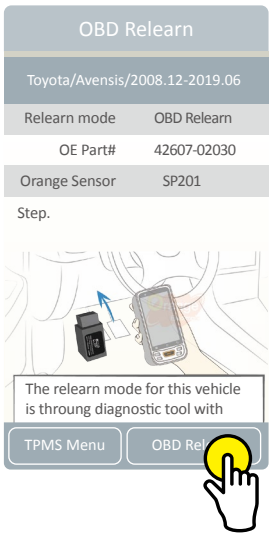
2 Select Make, Model, Year



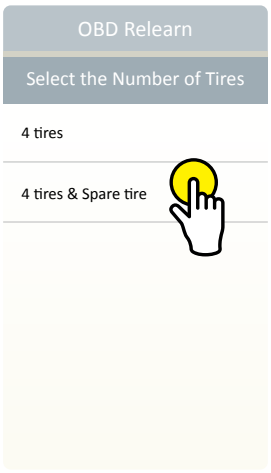
3 Select "OBD Relearn"



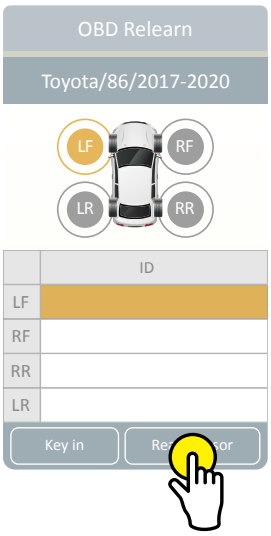
4 Select "OBD Relearn"



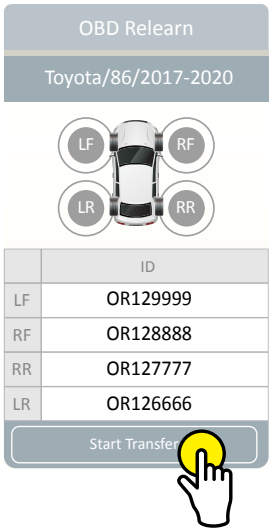
5 Select the Number of Tires



6 Select "Read Sensor"



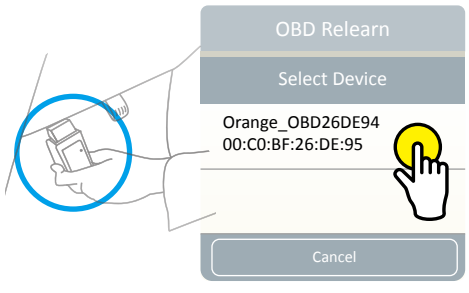
7 Select "Start Transfer"



8 Connect to OBD

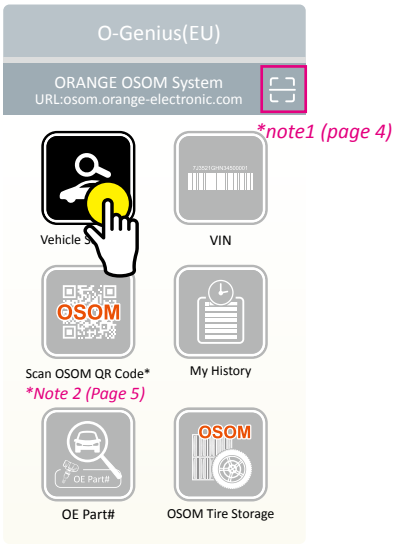
1. Turn ignition to ON, engine off, then plug in OBD
2. System will detect OBD device. and click it.

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

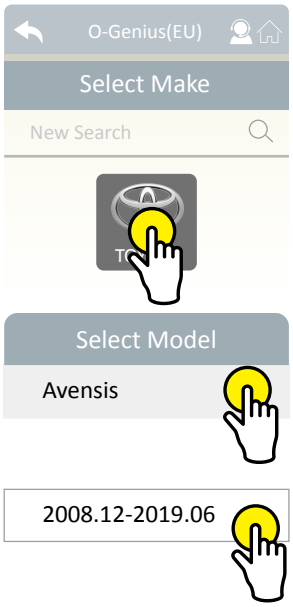


9 Completed

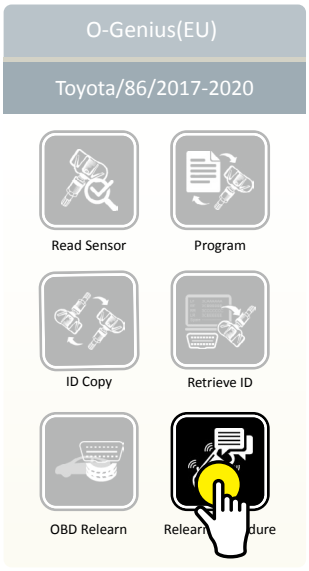
1 Select vehicle by different methods.



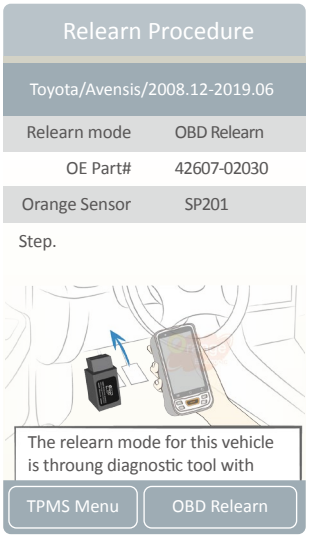
2 Select Make, Model, Year



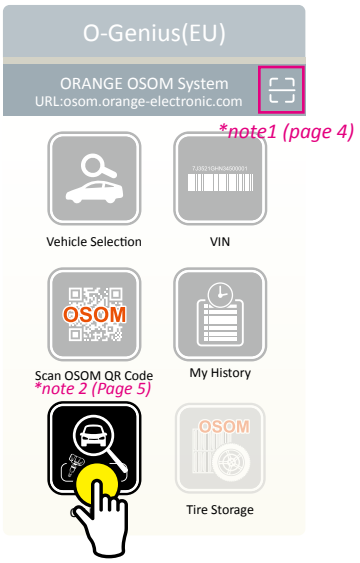
3 Select “Relearn Procedure”



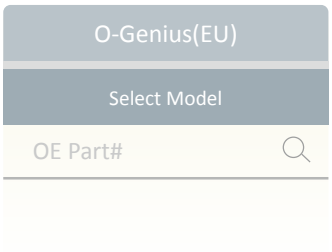
4 Completed



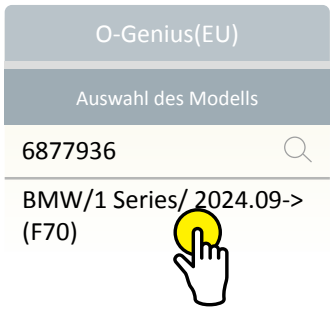
1 Select “OE Part#”



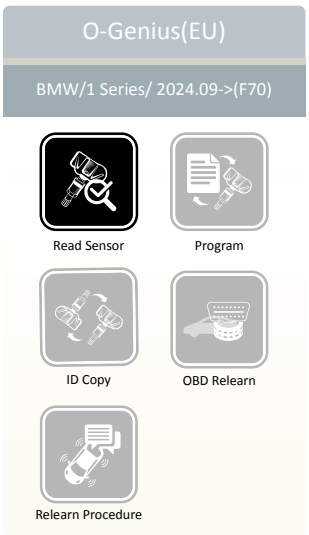
2 Key in “OE-Part“



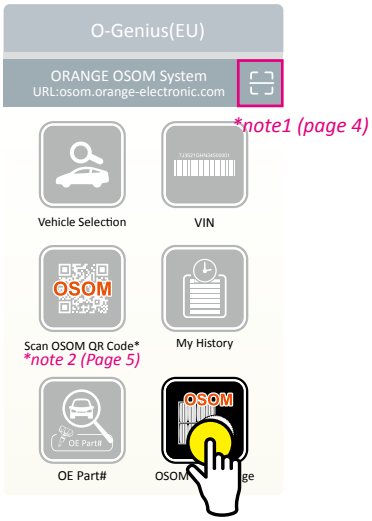
3 Select the vehicle



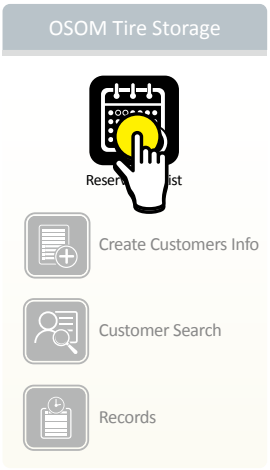
4 Completed



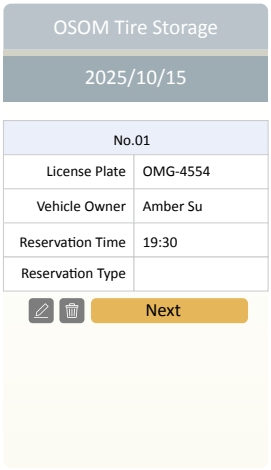
1 Select “OSOM Tire Storage”



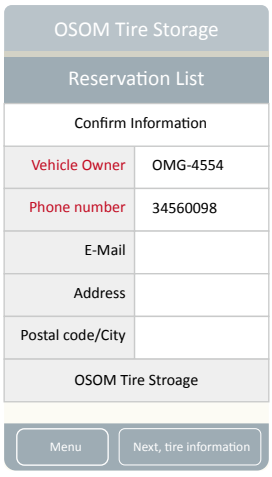
2 Select “Reservation List”



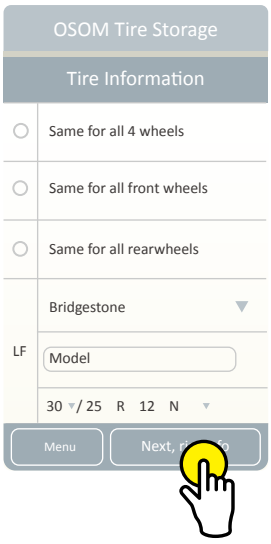
3 Select “Next”



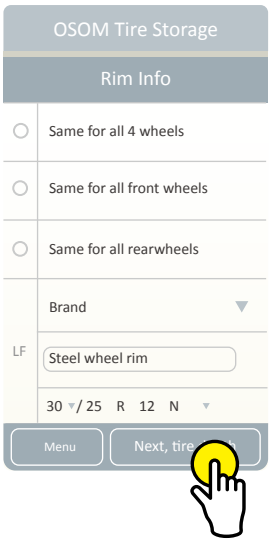
4 Check reservation list



5 Check tire information

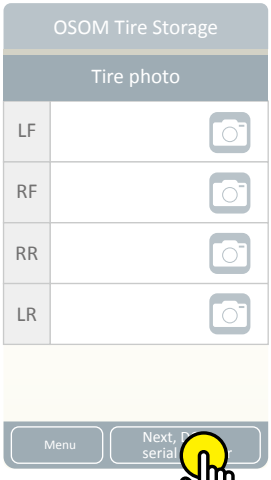


6 Check Rim info

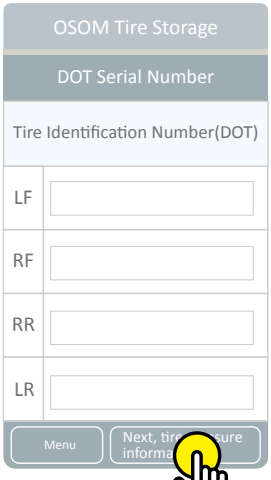


7 Enter tire depth

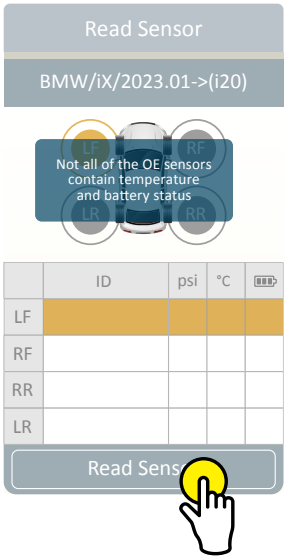
8 Take a photo of tire



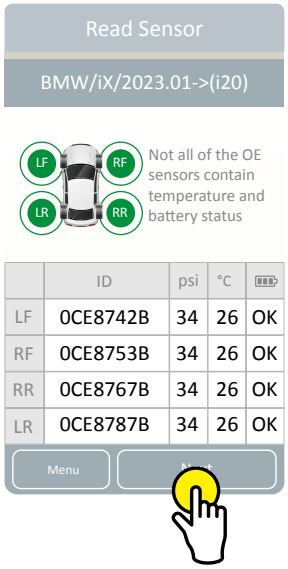
9 Enter DOT Serial Number



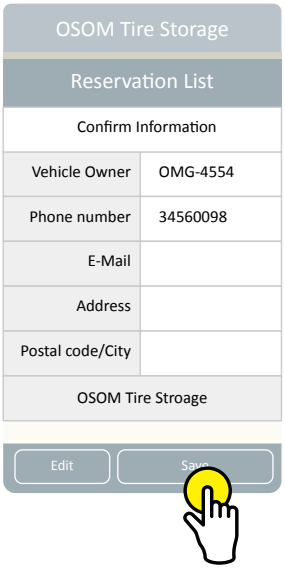
10 Select “Read sensor”



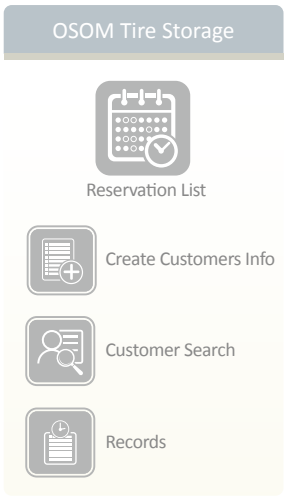
11 Select “Next”



12 Select “Save”



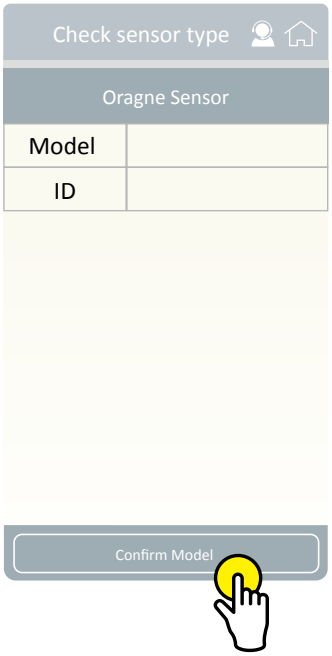
13 Completed



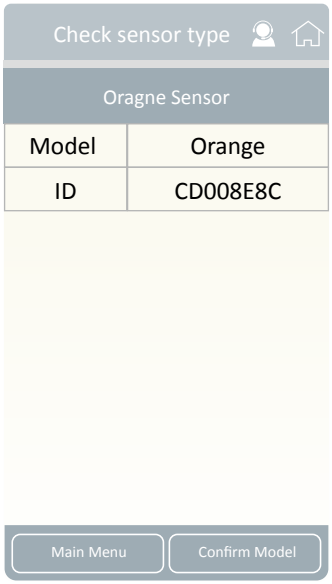
Check Sensor Type

1 Select “Check Sensor Type”

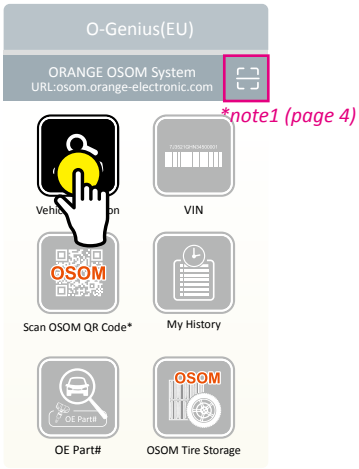
2 Click “Confirm Model”



3 Completed

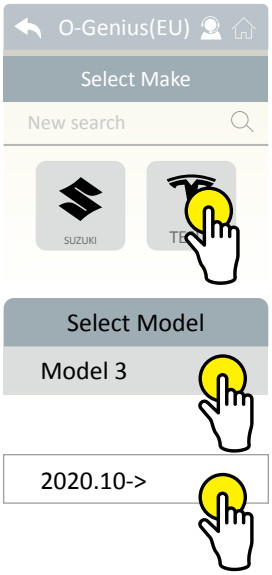


1 Select vehicle by different methods.

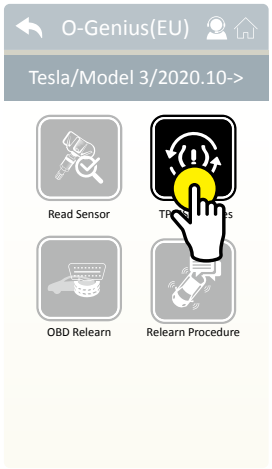


*note1 (page 4)

2 Select Make, Model, Year

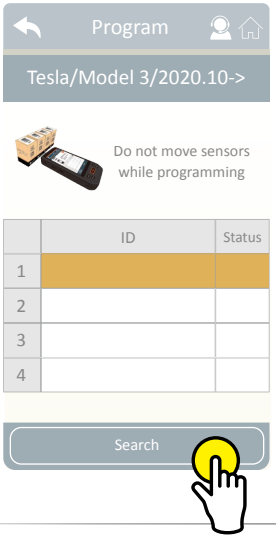


3 Select "Program"



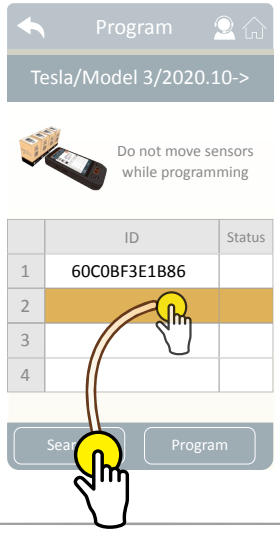
4 Select "Search"

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



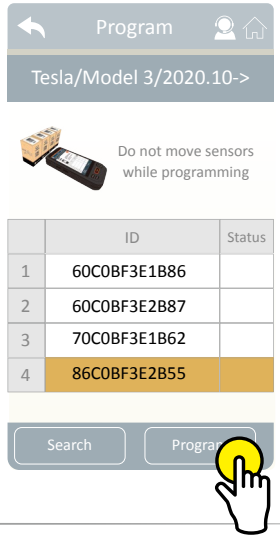
5 Select next tire and press "Search"

Follow the same step until search all sensor IDs.

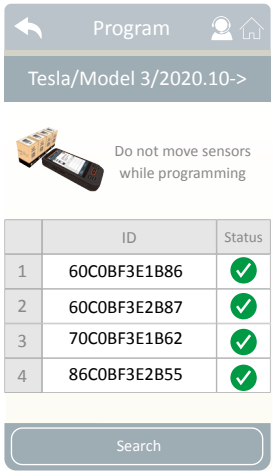


6 Get All sensor IDs

Press "Program" to update.



7 Completed



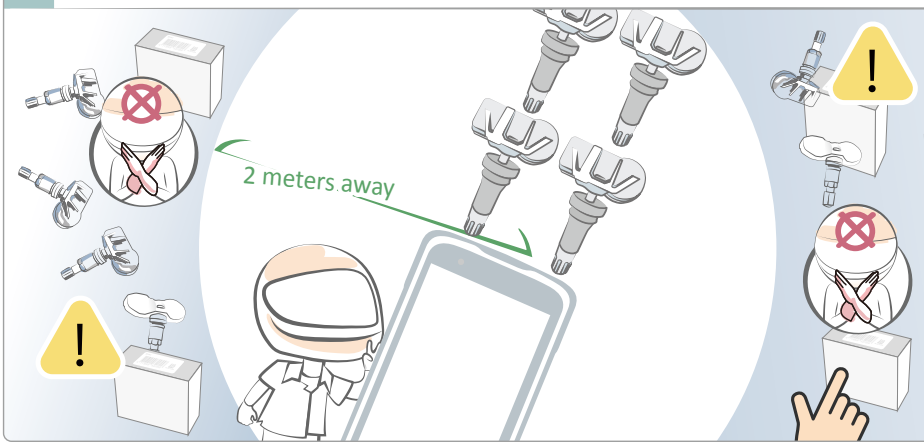
1 How many sensors can be programmed simultaneously?

O-Genius can program up to 8 sensors at the same time.

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

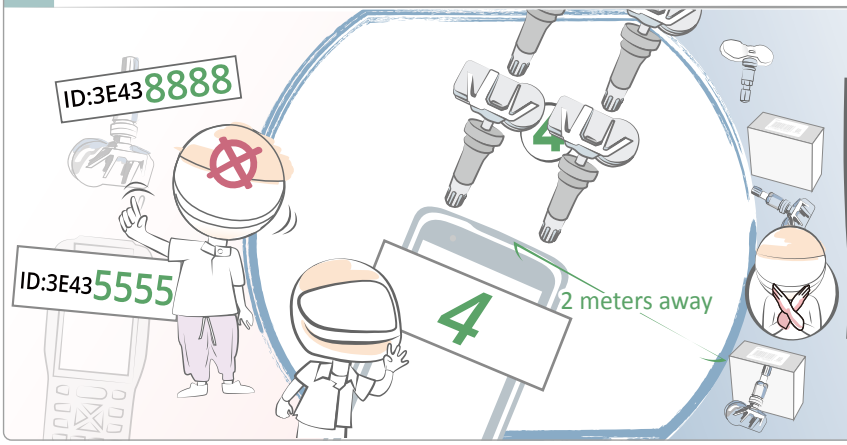
Place the top of O-Genius at the tire position where the valve is for programming. (As the graphic on the left)
DO NOT move O-Genius tool while programming.

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



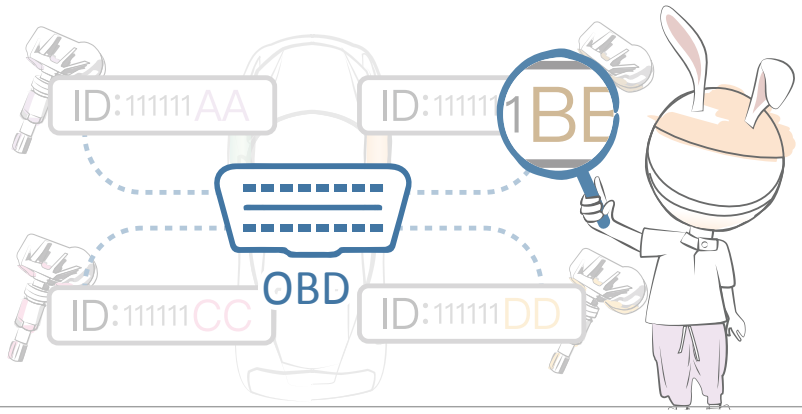
Please make sure other sensors are at least 2 meters away, and DO NOT move O-Genius while programming.

4 (ID Copy) ID Copy failure



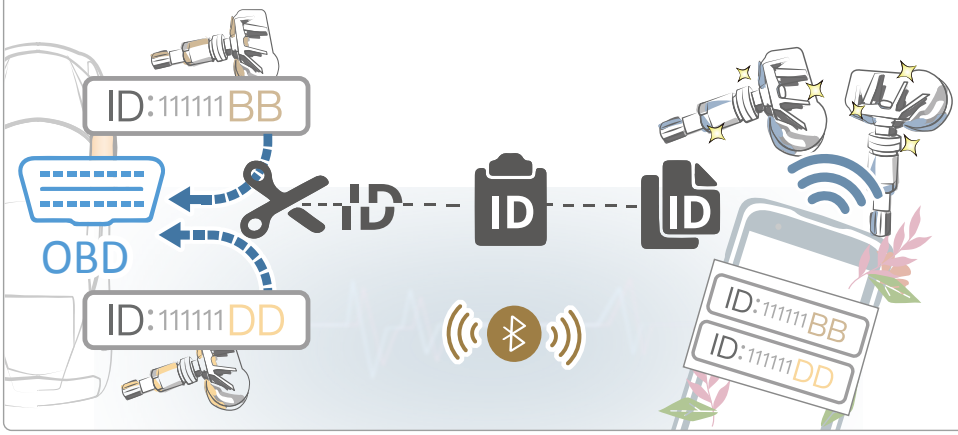
1. Please make sure the sensor ID and the programming sensors ID are the same.
2. Please follow the photo instruction on the left to place O-Genius and sensors. Be sure to keep other sensors at least 2 meters away.

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



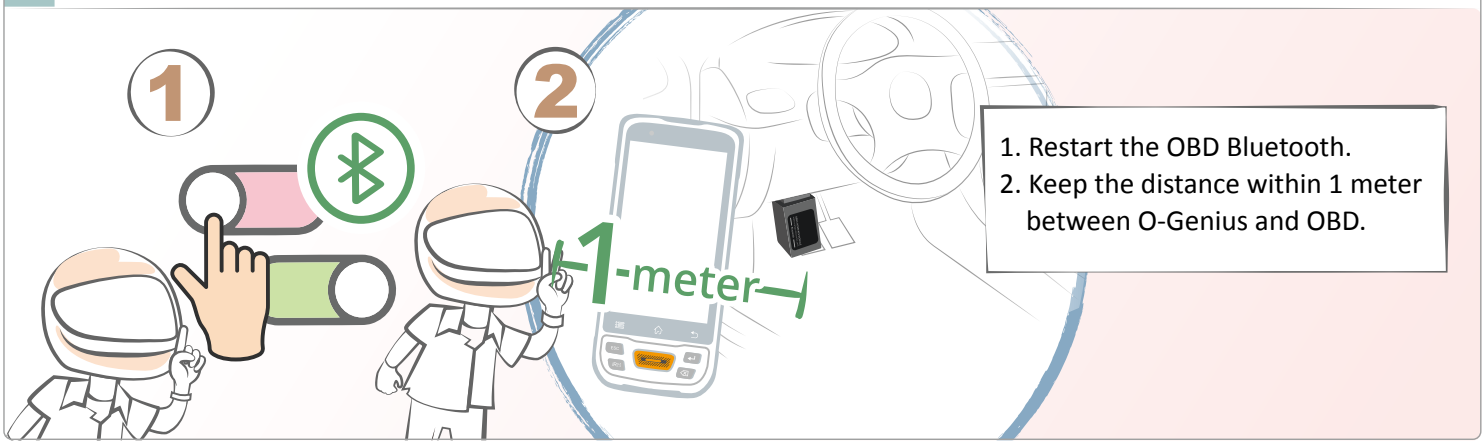
No, “Retrieve ID”only reads the sensor ID number from ECU.
If sensor ID number need to be modify from ECU, please use OBD relearn procedure.

6 What is the functionality of “Retrieve ID”?



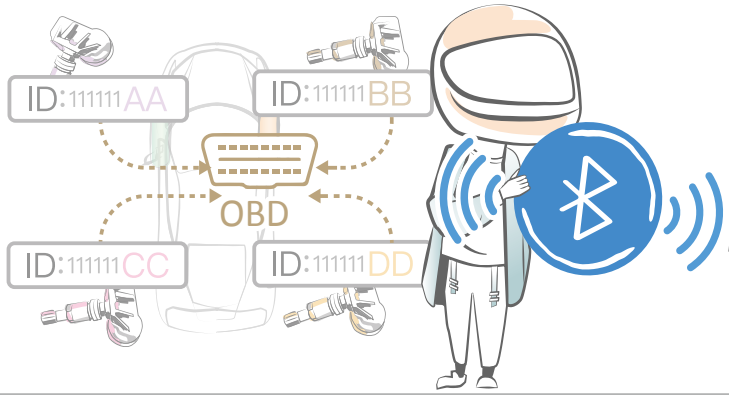
Using OBD to read the sensor ID number from ECU and copy the ID number to Orange sensor.

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



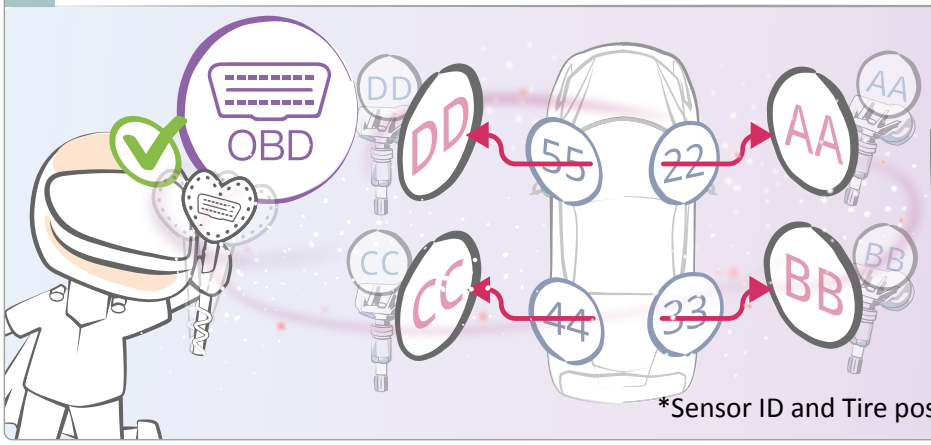
1. Restart the OBD Bluetooth.
2. Keep the distance within 1 meter between O-Genius and OBD.

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.