



TPMS Diagnostic Tool

O-Genius

User's Manual

ID COPY Patent Number

1.8031064C3

2.I522602

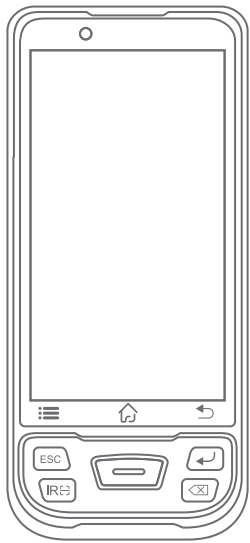
3.CN101881699B

4.JP5463568

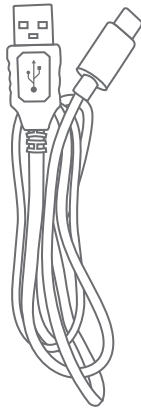


Orange Electronic Co., Ltd.

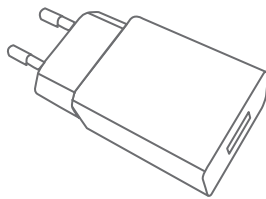
(Headquarter) 5F, NO.29, Keya Rd. Central
Taiwan Science Park, Taichung 42881, Taiwan
service@orange-electronic.com



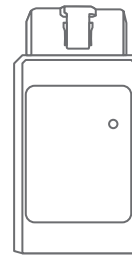
O-Genius



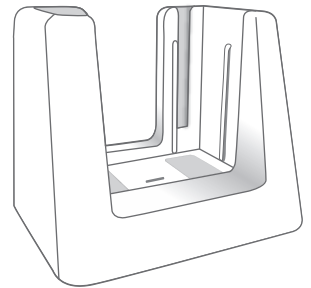
Power Cable



Power Adapter

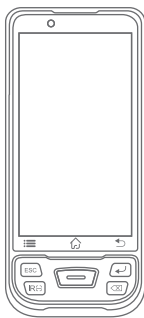


OBDII



Charge stand

Specifications



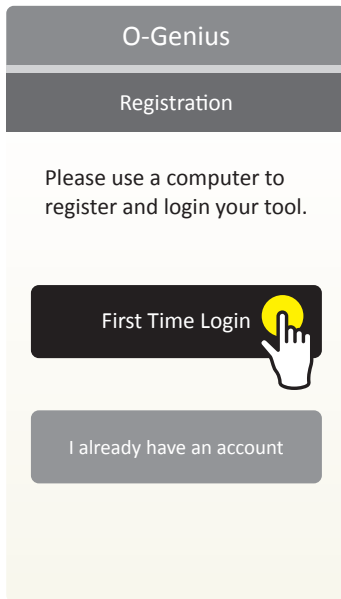
Operating System	Android 9.0
Processor	Octa-core processor (2.0 GHz)
Memory	3GB RAM & 32GB ROM
Display	5" High Resolution IPS 1280x720
Camera	13 MP
Connectivity	Wi-Fi; Bluetooth 5.0; Type C (USB 2.0)
Power	3.8V lithium-polymer battery ; 7500 mAh
Operating Temperature	-10°C to 50°C (4°F to 122°F)
Storage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

1 Connect to WiFi

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



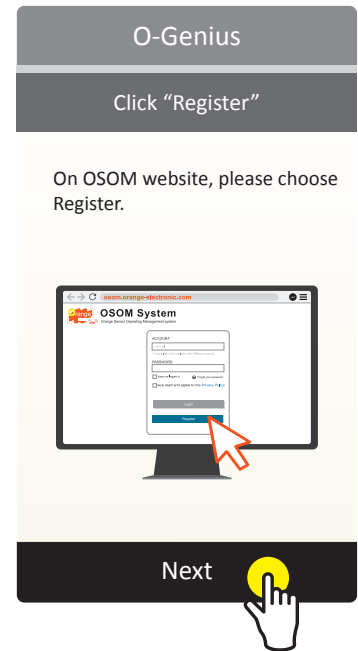
2 Search or enter the OSOM URL

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



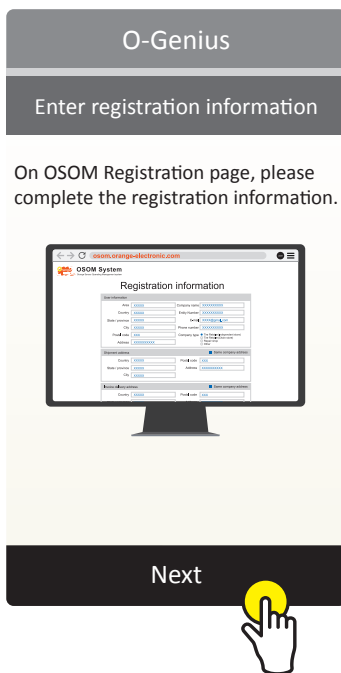
3 Click "Register"

Click the register button on the OSOM website home page.



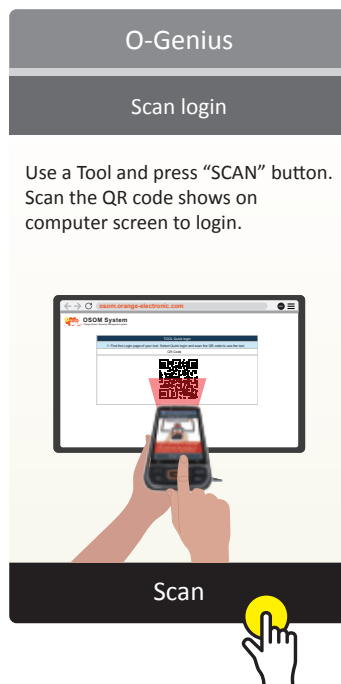
4 Enter registration information

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

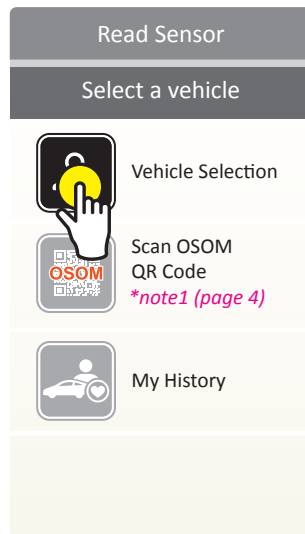
After registration, the account will be bound to the tool serial number. If you forget your account, please contact customer service for assistance.



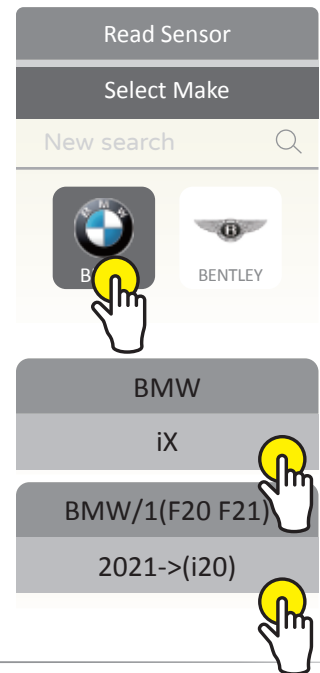
1 Select "Read Sensor"



2 Select "Vehicle Selection"

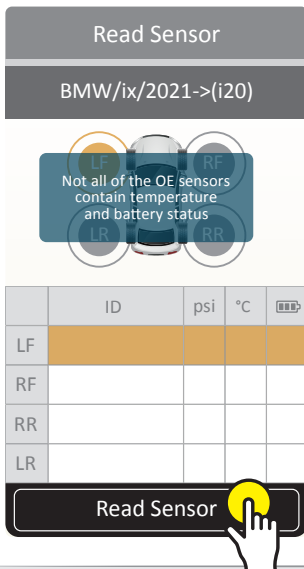


3 Select Make, Model, Year

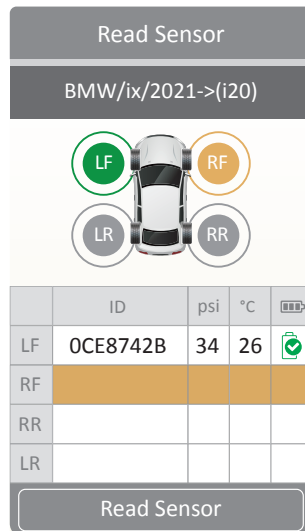


4 Select "Read Sensor"

Select "Read Sensor", to check the sensor.

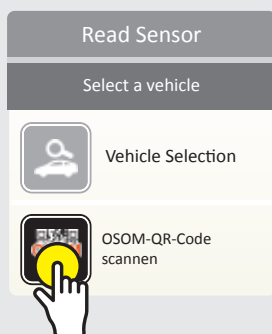


5 Completed

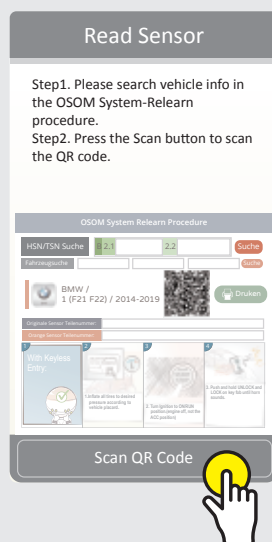


Note 1:* Scan OSOM QR Code

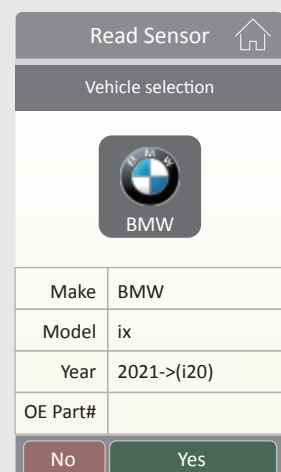
1. Select "OSOM-QR-Code scannen"
2. Link to OSOM System <https://osom.orange-electronic.com/> and select "Relearn Procedure" to get the QR Code.



3. Scan the QR Code on the OSOM website



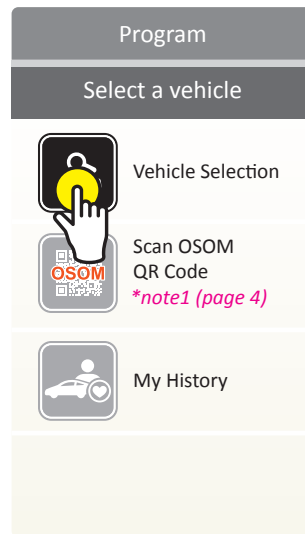
4. Obtain the vehicle MMY



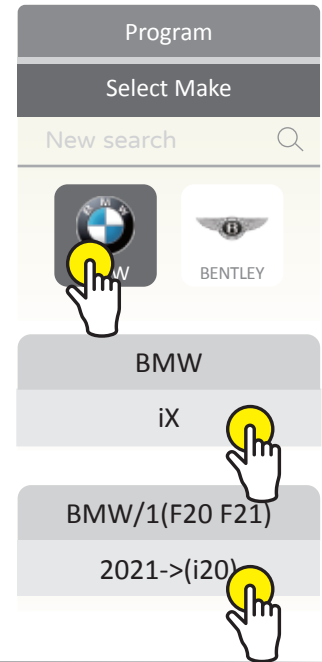
1 Select "Program"



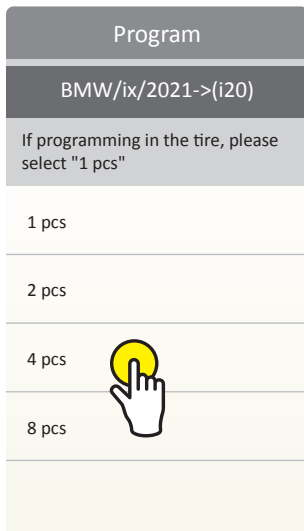
2 Select "Vehicle Selection"



3 Select Make, Model, Year

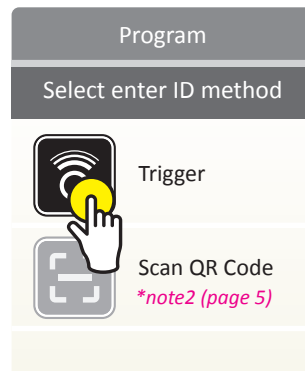


4 Select of the sensor quantity

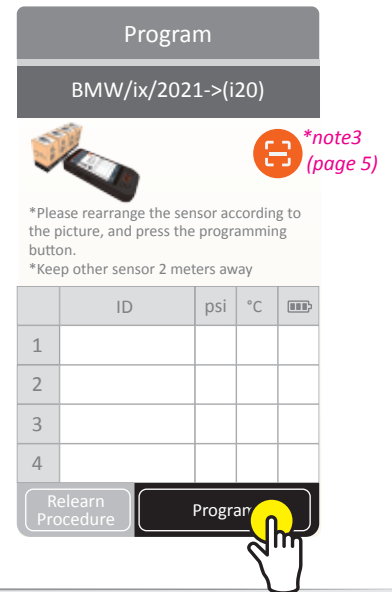


5 Select enter ID method

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

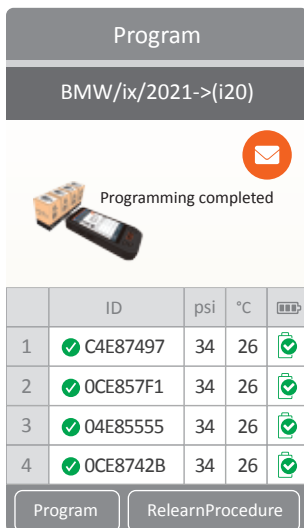


6 Select "Program"



7 Completed

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



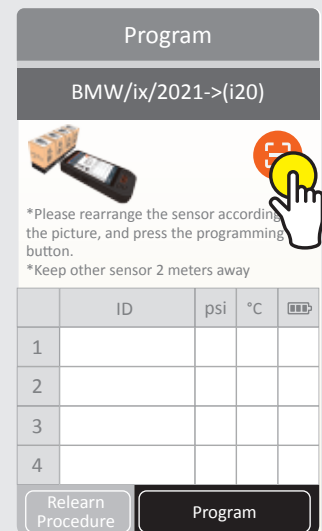
Note2* Scan QR Code Function

"Scan QR Code" can be more accurate than "Trigger"



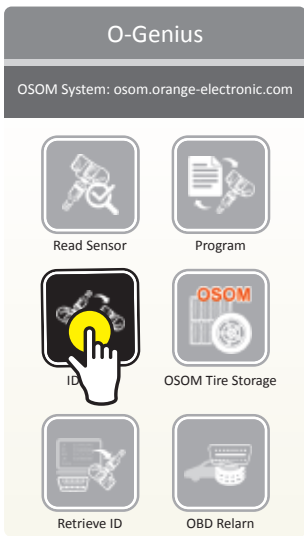
Note3* Switch to ID key-in method

Click this icon can switch to ID key-in method

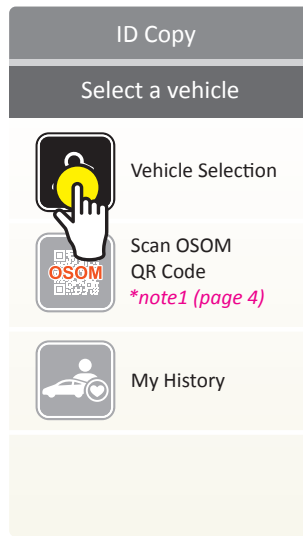


ID-Copy- Single program

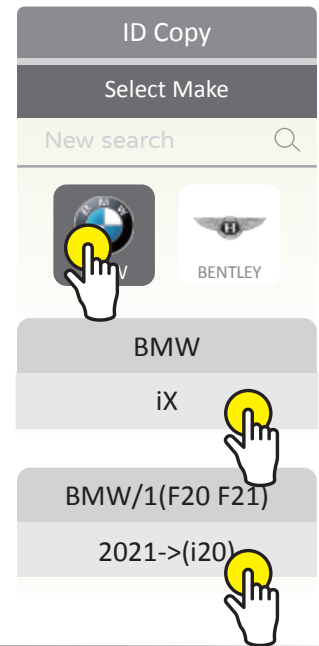
1 Select "ID-Copy"



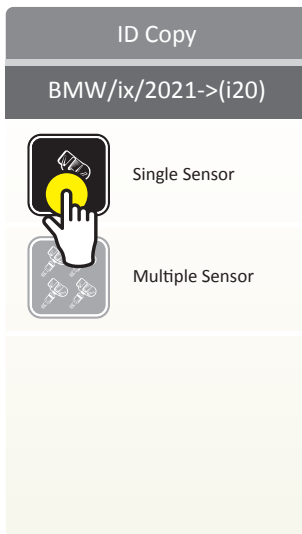
2 Select a vehicle



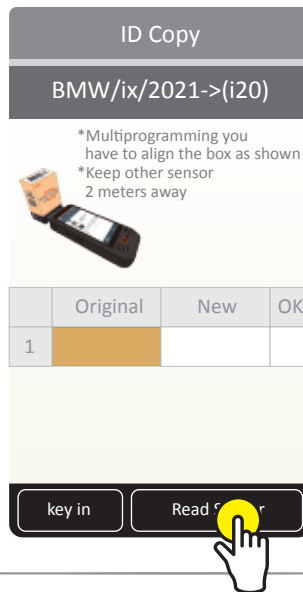
3 Select Make, Model, Year



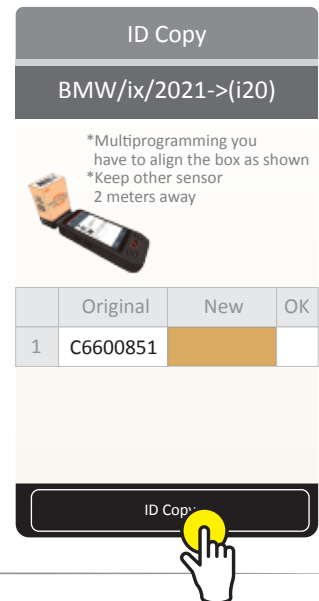
4 Select "Single Program"



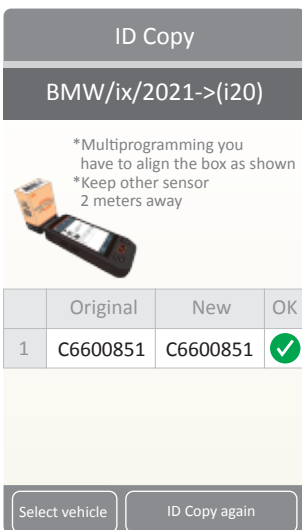
5 Select "Read Sensor"



6 Click "ID Copy"



7 Completed



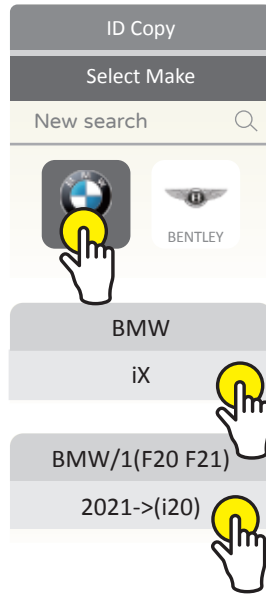
ID-Copy- multi program

1 Select "ID-Copy"

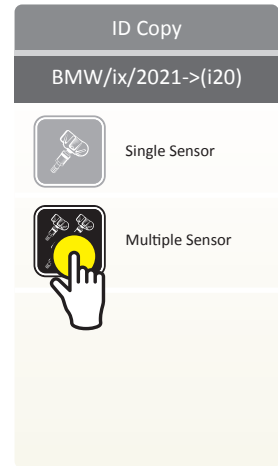
Select "ID-Copy" and then choose "Vehicle Selection"



2 Select Make, Model, Year

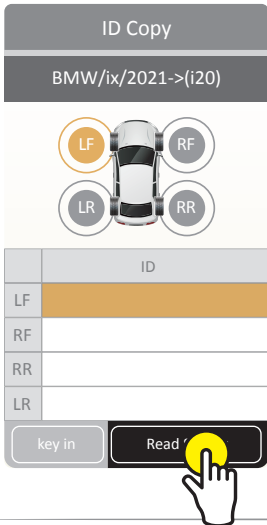


3 Select "Multi Program"

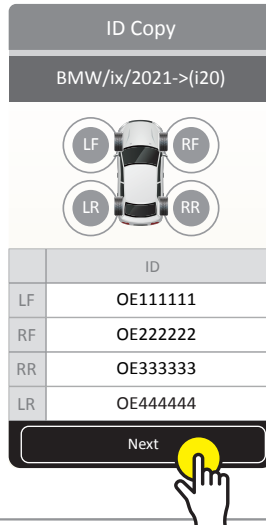


4 Read sensor ID

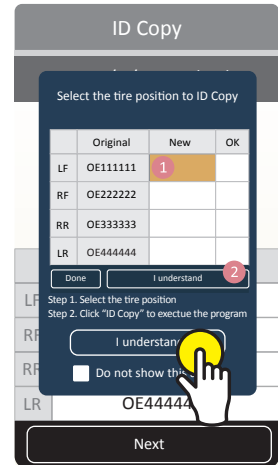
Start at the front left tire and read the sensor IDs clockwise. (LF, RF, RR, LR)



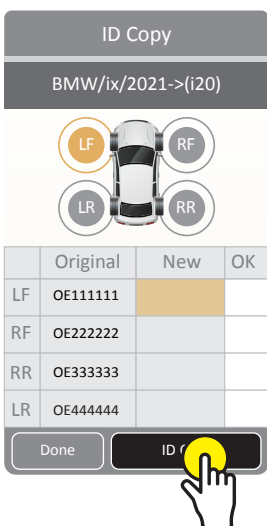
5 Select "Next"



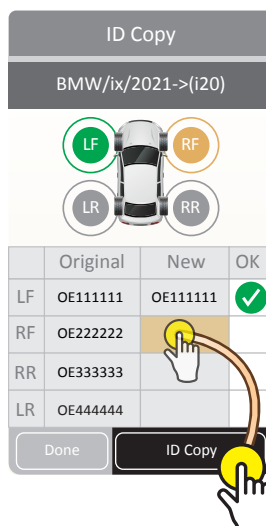
6 Click "I understand"



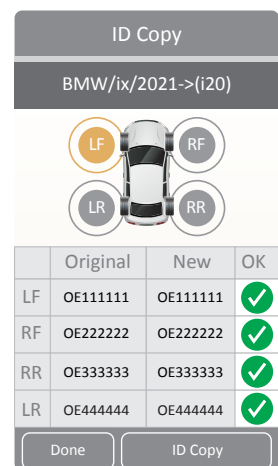
7 Select "ID Copy"



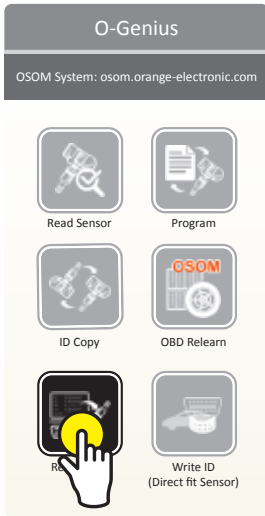
8 Select next tire position and click "ID Copy"



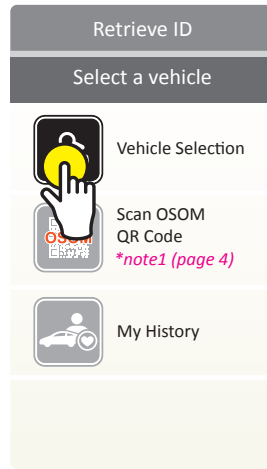
9 Completed



1 Select "Retrieve ID"

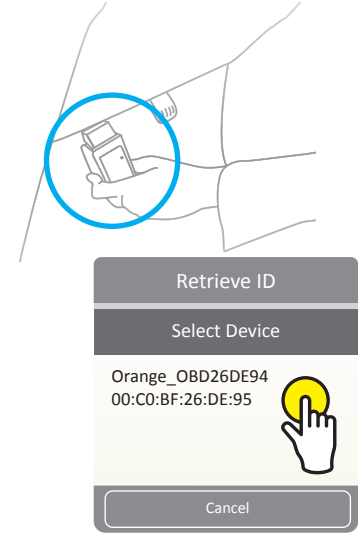


2 Select "Vehicle Selection"

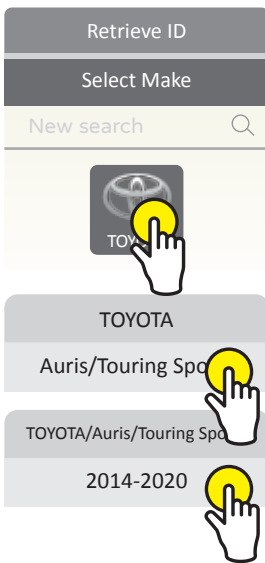


3 Connect to OBD

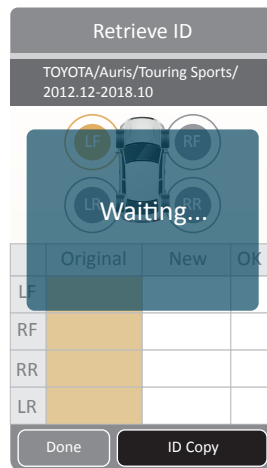
1. Turn ignition to ON, engine off, then plug in OBD
2. System will detect OBD device. Please click "Orange_OBDXX"



4 Select Make, Model, Year



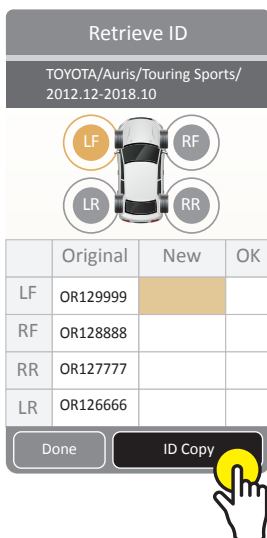
5 OBD reads Original Sensor ID



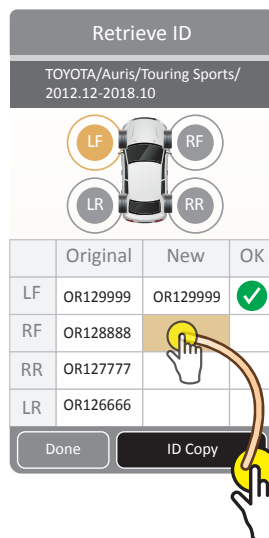
6 Remove OBD device



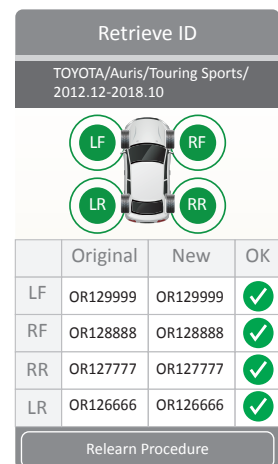
7 Select "ID Copy"



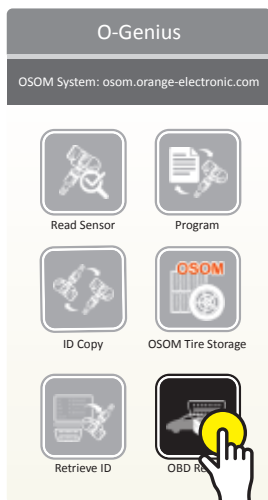
8 Select next tire position and click "ID Copy"



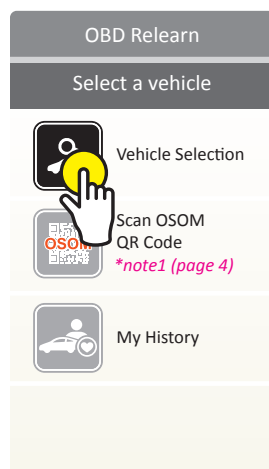
9 Completed



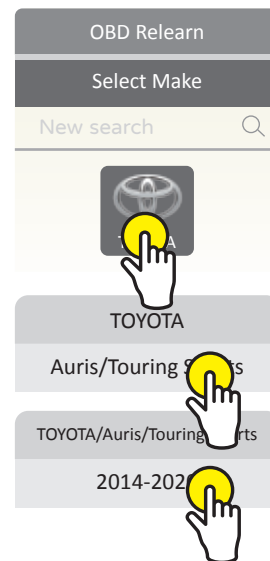
1 Select "OBD Relearn"



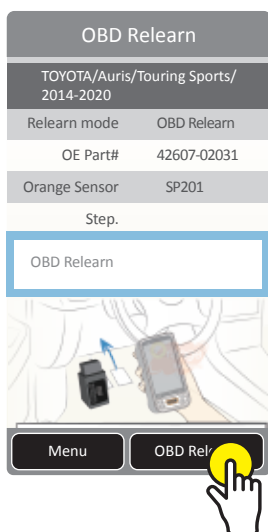
2 Select "Vehicle Selection"



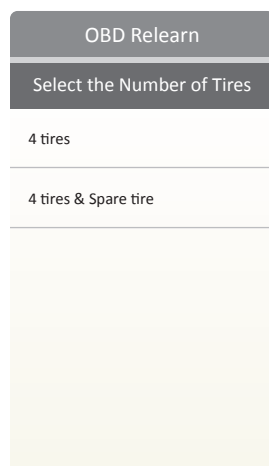
3 Select Make, Model, Year



4 Select "OBD Relearn"



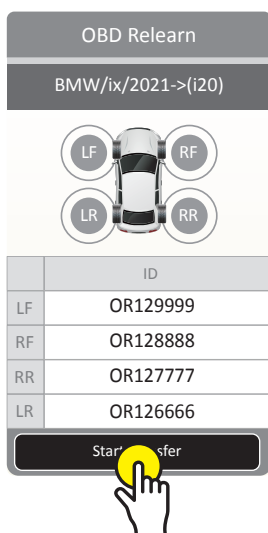
5 Select the Number of Tires



6 Select "Read Sensor"

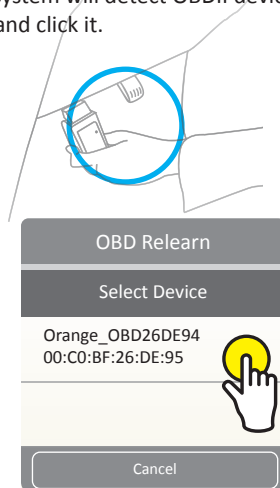


7 Select "Start Transfer"



8 Connect to OBD

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

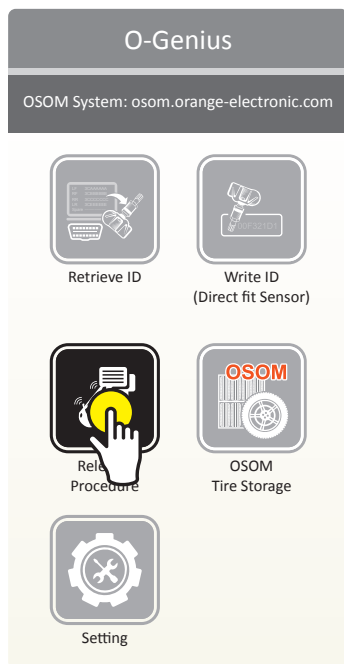


9 Completed

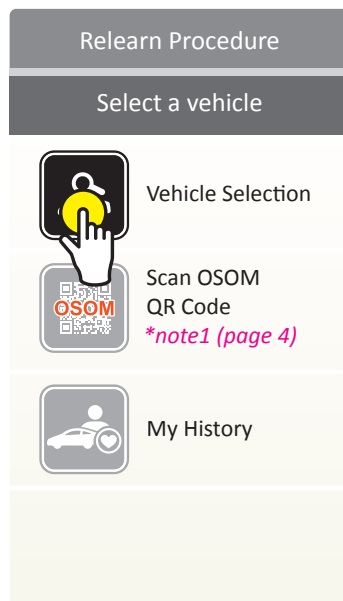


Relearn Procedure

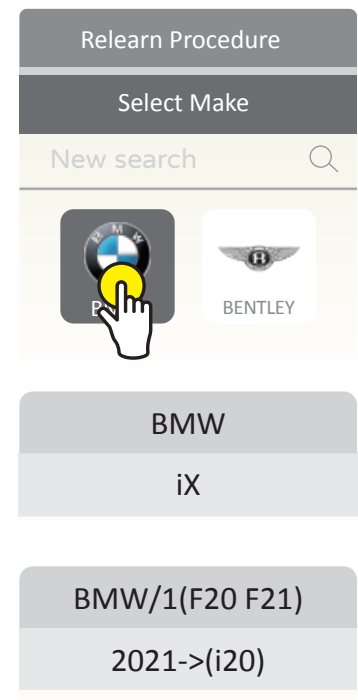
1 Select "Relearn Procedure"



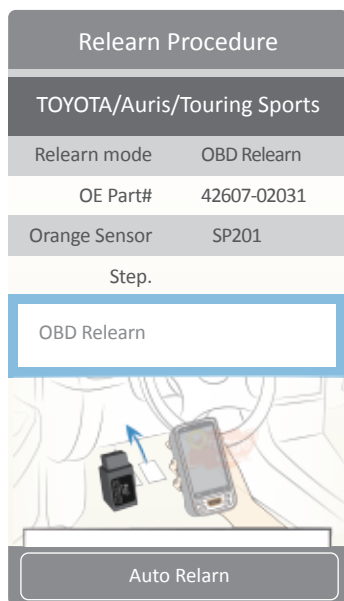
2 Select "Vehicle Selection"



3 Select Make, Model, Year



4 Completed

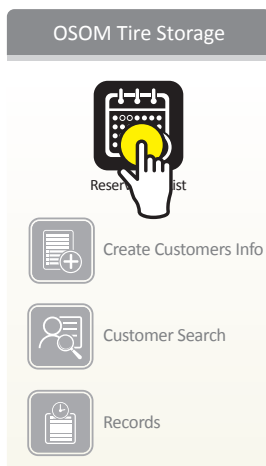


OSOM Tire Storage- Read Sensor

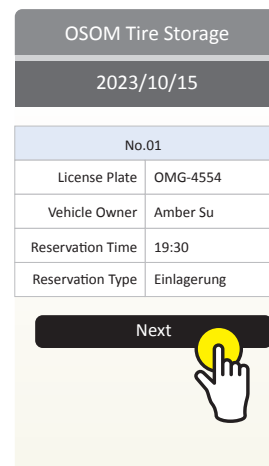
1 Select "OSOM Tire Storage"



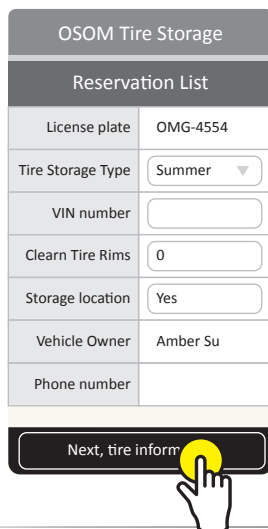
2 Select "Reservation List"



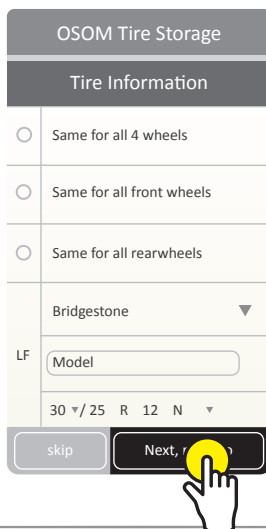
3 Select "Next"



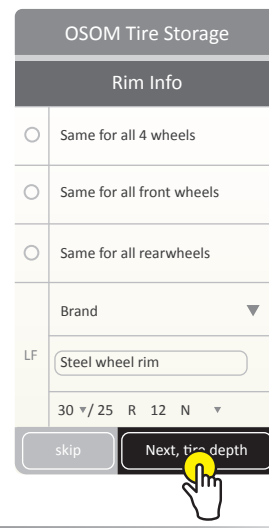
4 Check reservation list Select "Next, tire information".



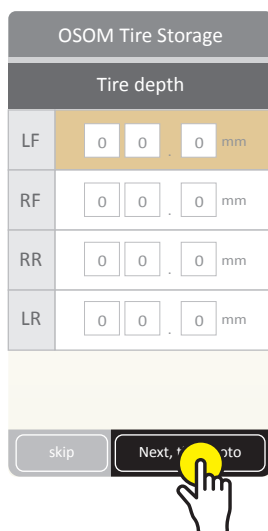
5 Check tire information Select "rim info".



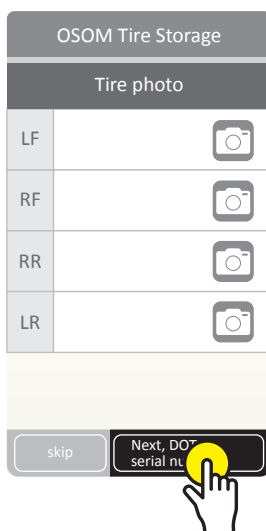
6 Check Rim info Select "Next, tire depth".



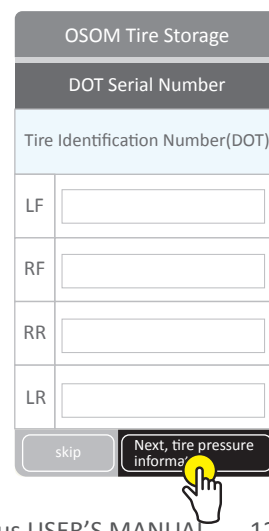
7 Enter tire depth Select "Next, tire Photo".



8 Take a photo of tire Select "Next, DOT serial number".

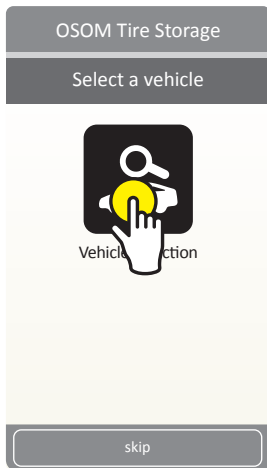


9 Enter DOT Serial Number Select "Next, tire pressure information".

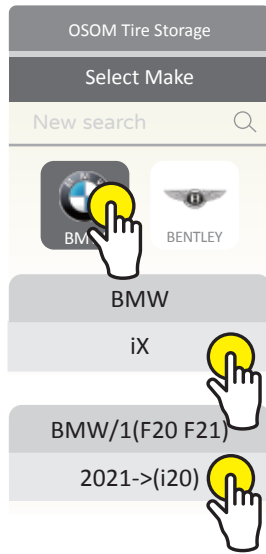


OSOM Tire Storage- Read Sensor

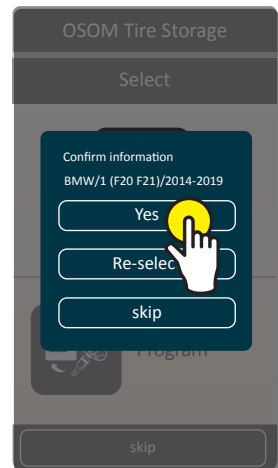
10 Select a vehicle



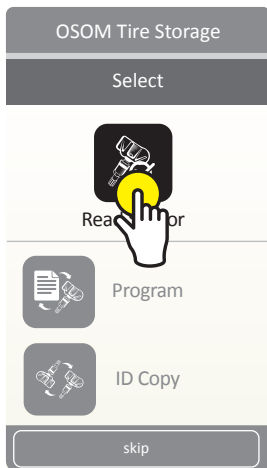
11 Select MMY



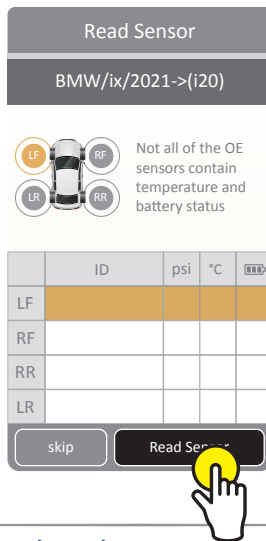
12 Confirm the MMY



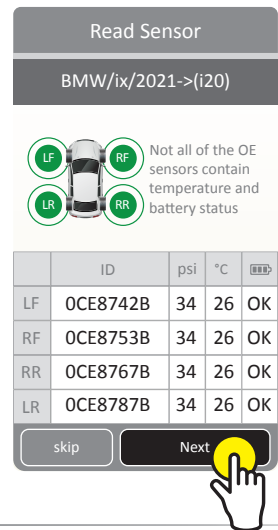
13 Select "Read sensor"



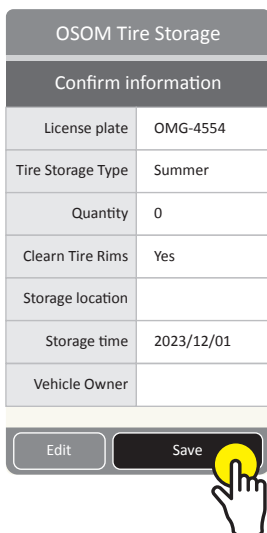
14 Select "Read sensor"



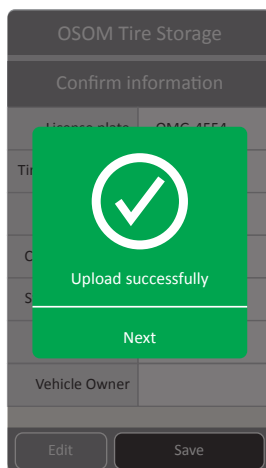
15 Select "Next"



16 Select "Save"

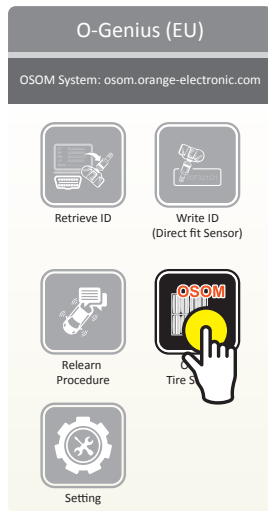


17 Completed

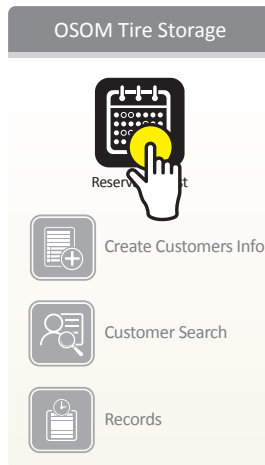


OSOM Tire Storage- Program

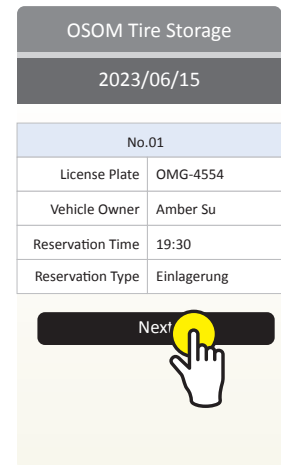
1 Select "OSOM Tire Storage"



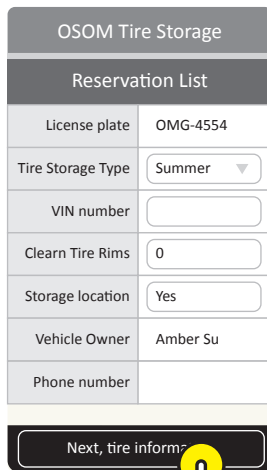
2 Select "Reservation List"



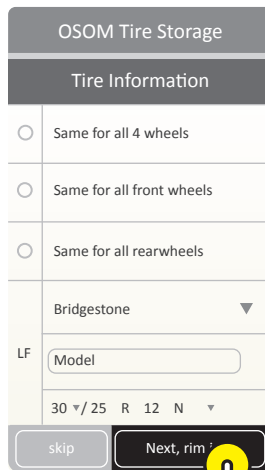
3 Select "Next"



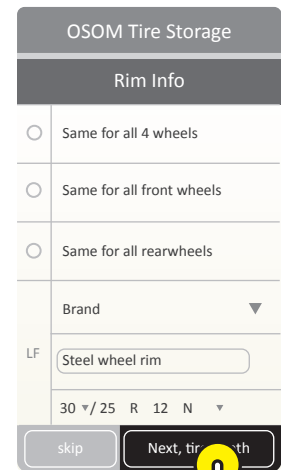
4 Check reservation list Select "Next, tire information".



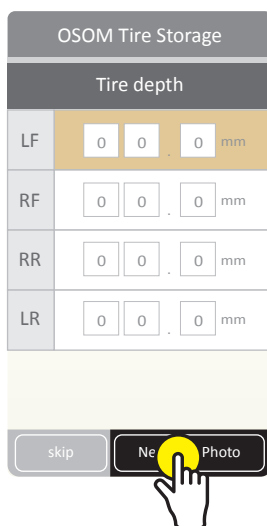
5 Check tire information Select "rim info".



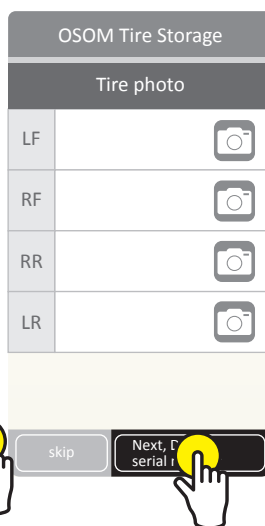
6 Check Rim info Select "Next, tire depth".



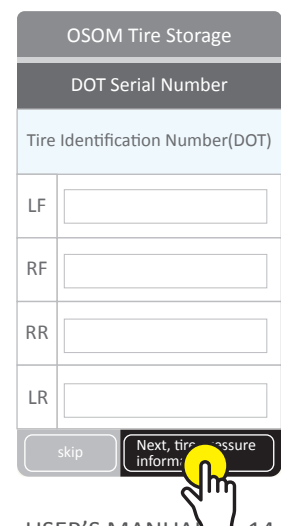
7 Enter tire depth Select "Next, tire Photo".



8 Take a photo of tire Select "Next, DOT serial number".



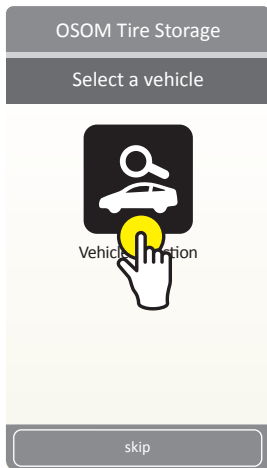
9 Enter DOT Serial Number Select "Next, tire pressure information".



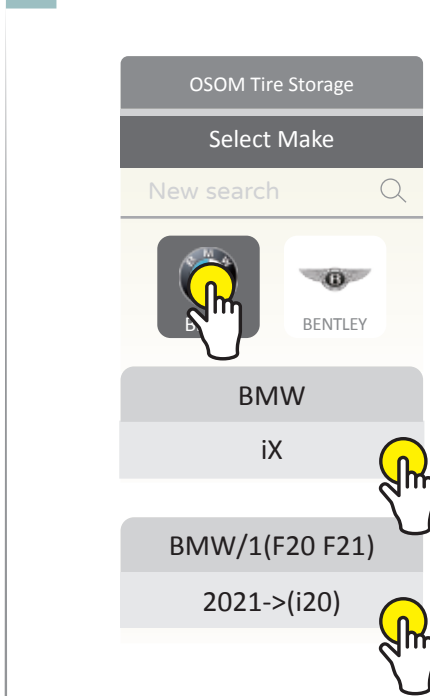
OSOM Tire Storage- Program

10 Select a vehicle

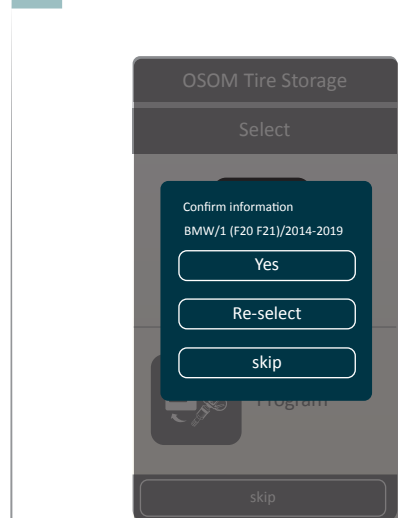
Select "Vehicle Selection"



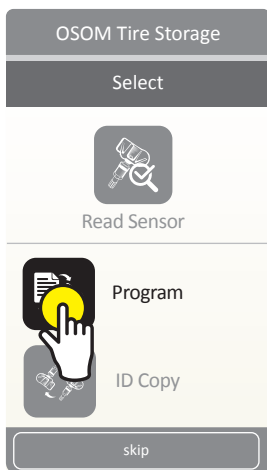
11 Select MMY



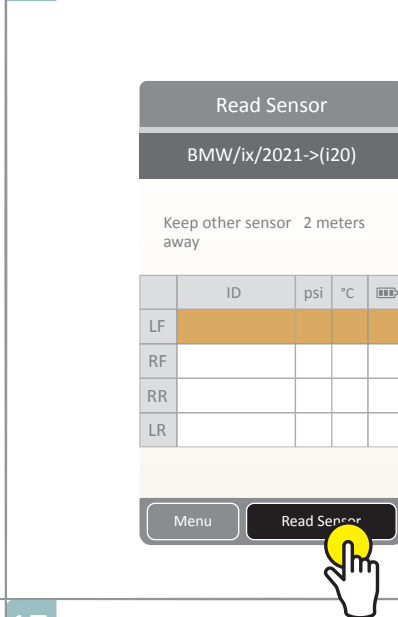
12 Confirm the MMY



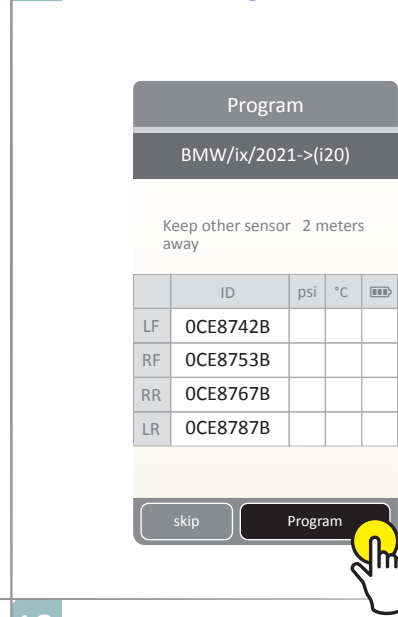
13 Select "Read sensor"



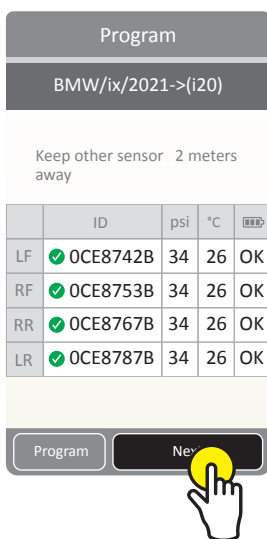
14 Select "Read sensor"



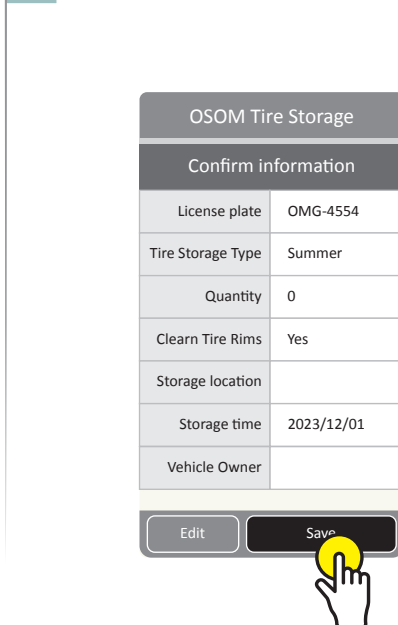
15 Select "Program"



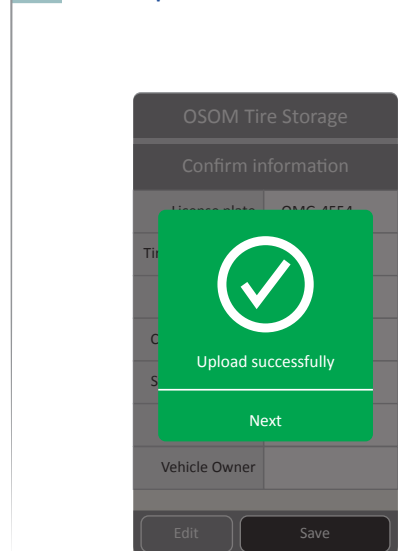
16 Select "Next"



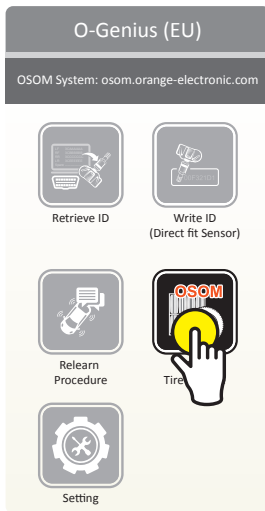
17 Select "Save"



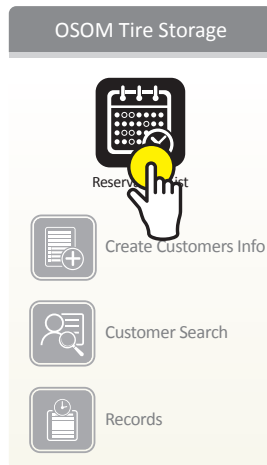
18 Completed



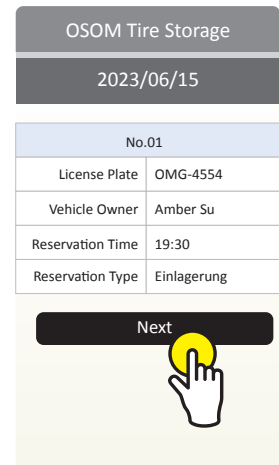
1 Select "OSOM Tire Storage"



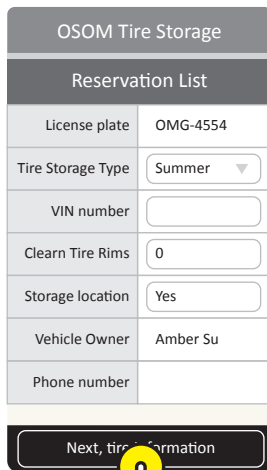
2 Select "Reservation List"



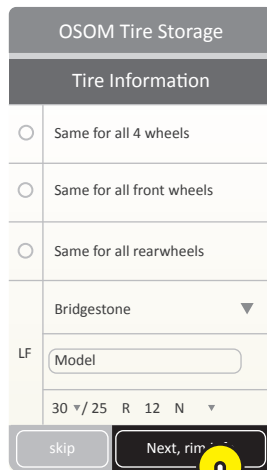
3 Select "Next"



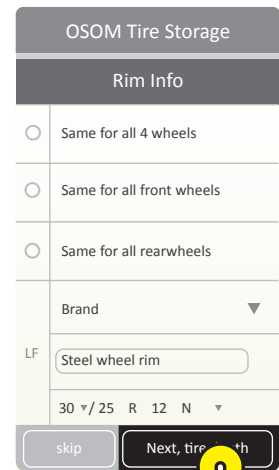
4 Check reservation list Select "Next, tire information".



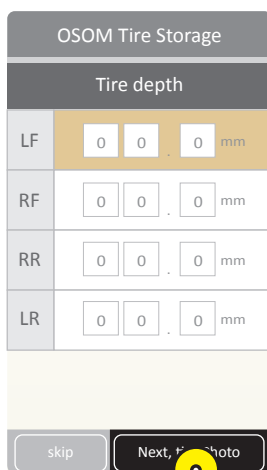
5 Check tire information Select "rim info".



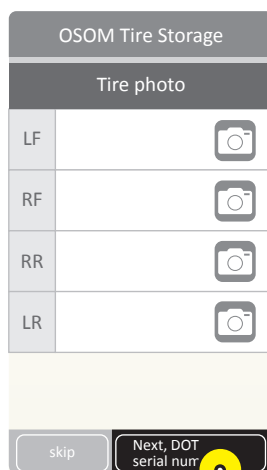
6 Check Rim info Select "Next, tire depth"



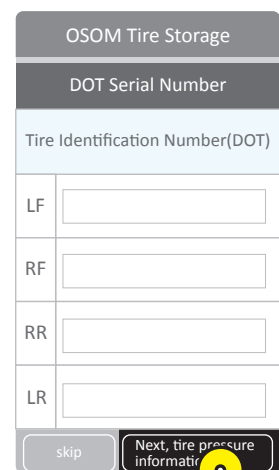
7 Enter tire depth Select "Next, tire photo".



8 Take a photo of tire Select "Next, DOT serial number".

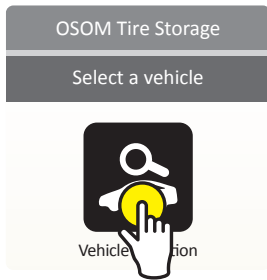


9 Enter DOT Serial Number Select "Next, tire pressure information".

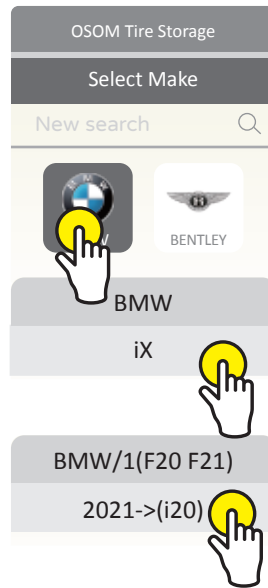


10 Select a vehicle

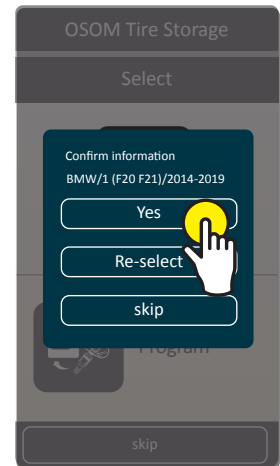
Select "Vehicle Selection"



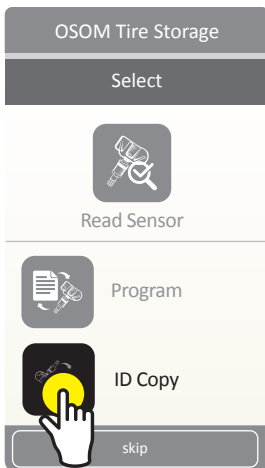
11 Select MMY



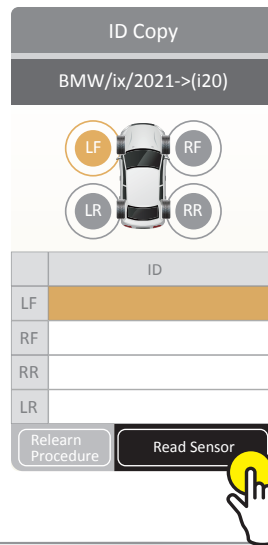
12 Confirm the MMY



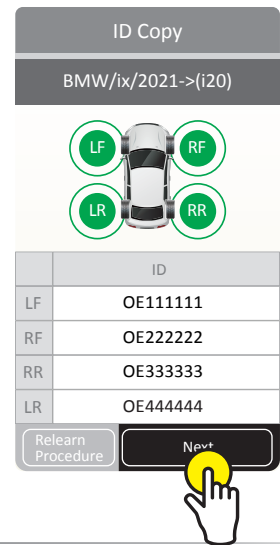
13 Select "ID Copy"



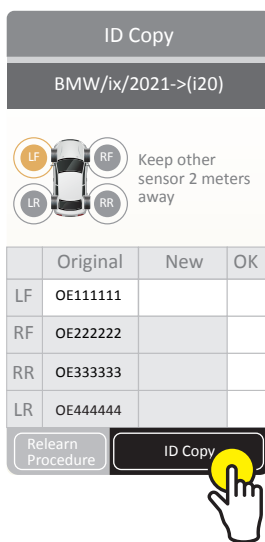
14 Select "Read sensor"



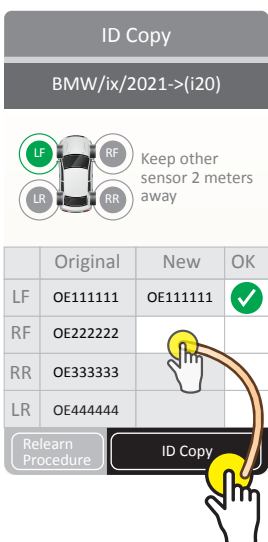
15 Select "Next"



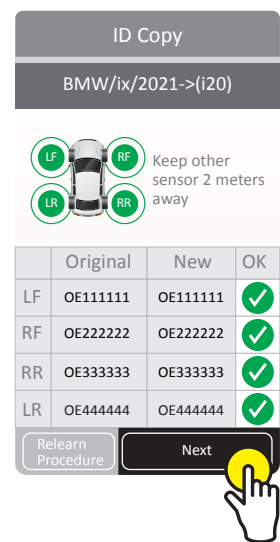
16 Select "ID Copy"



17 Select next tire position and click "ID Copy"




18 Select "Next"



19 Select "Save"

OSOM Tire Storage	
Confirm information	
License plate	OMG-4554
Tire Storage Type	Summer
Quantity	0
Clean Tire Rims	Yes
Storage location	
Storage time	2023/12/01
Vehicle Owner	



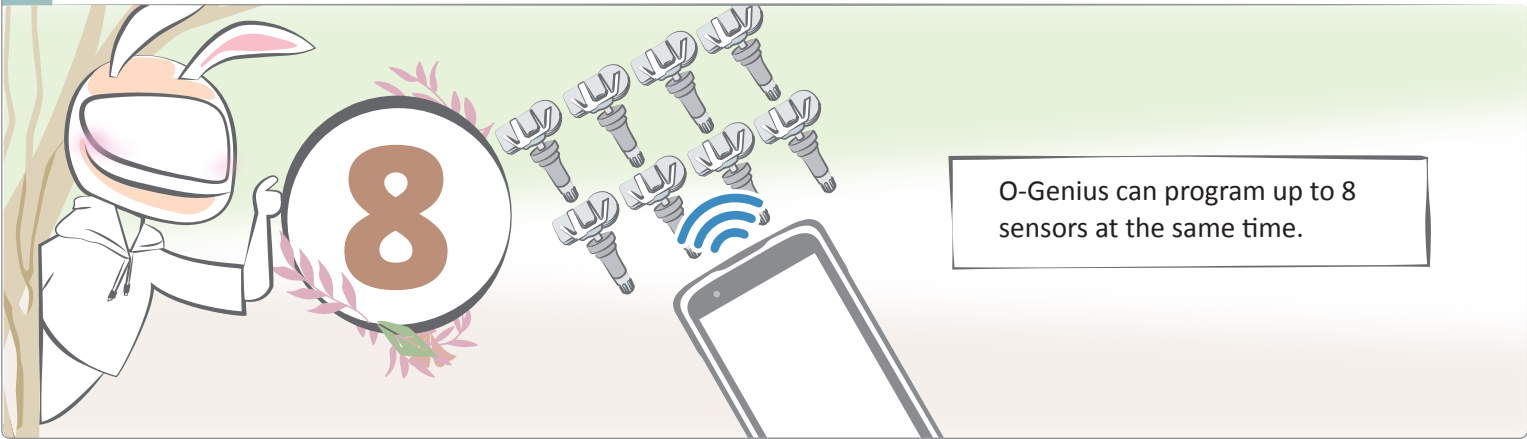
20 Completed

OSOM Tire Storage	
Confirm information	
License plate	OMG-4554
Tire Storage Type	Summer
Quantity	0
Clean Tire Rims	Yes
Storage location	
Storage time	2023/12/01
Vehicle Owner	

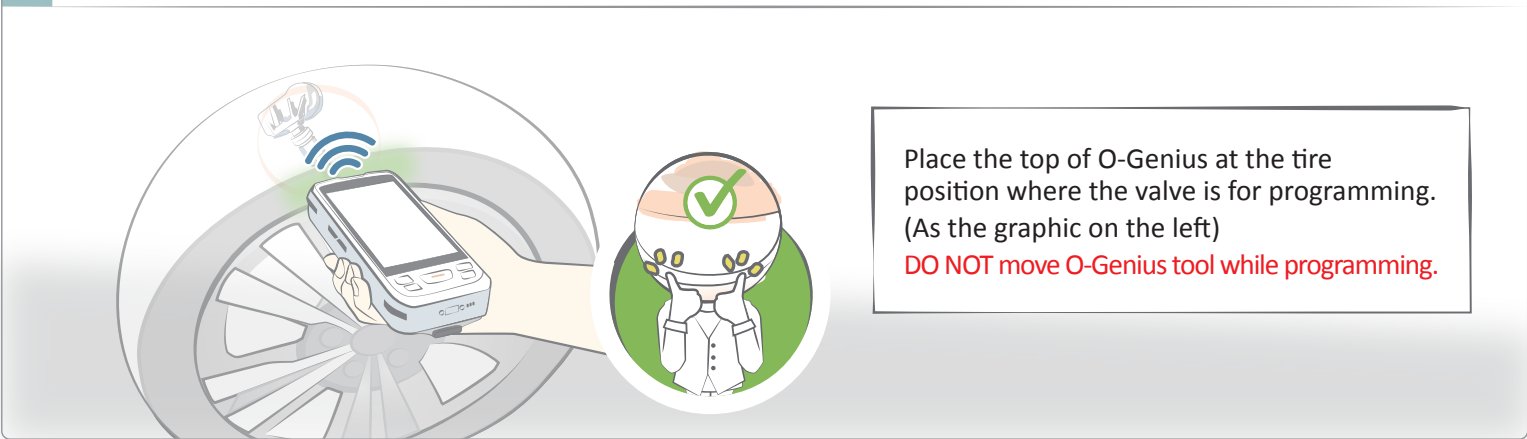
Upload successfully

Next

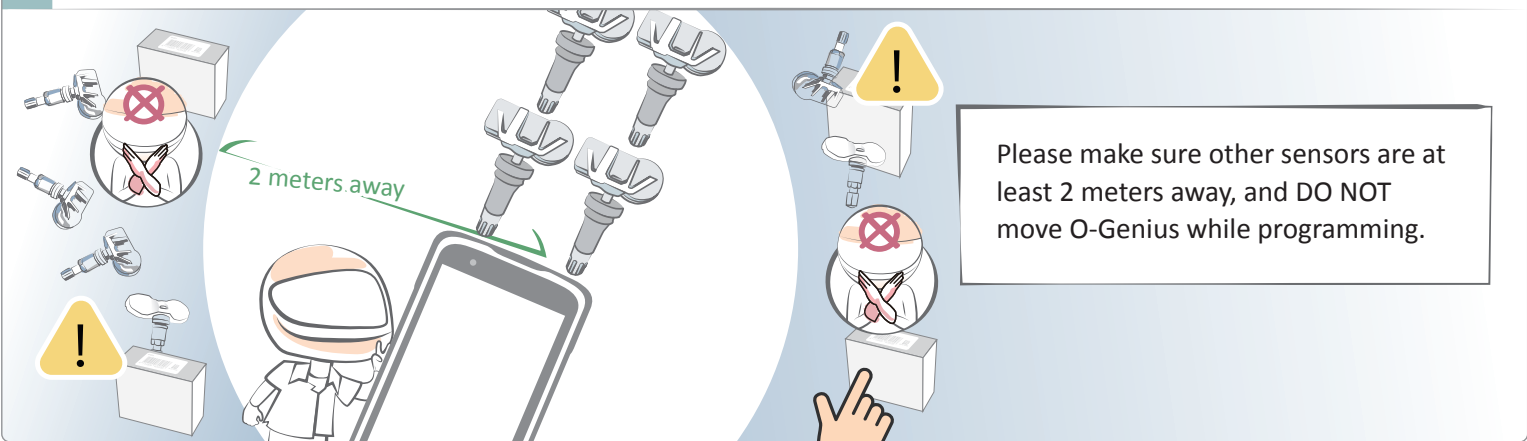
1 How many sensors can be programmed simultaneously?



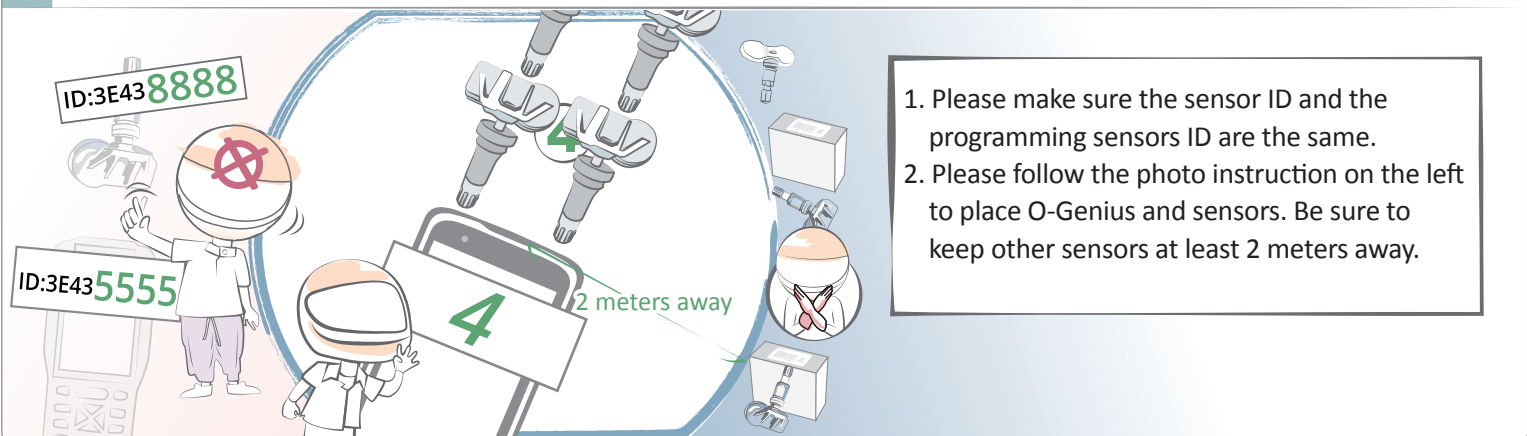
2 (Read /Program) Read /Program failure when sensor mounted inside the tire.



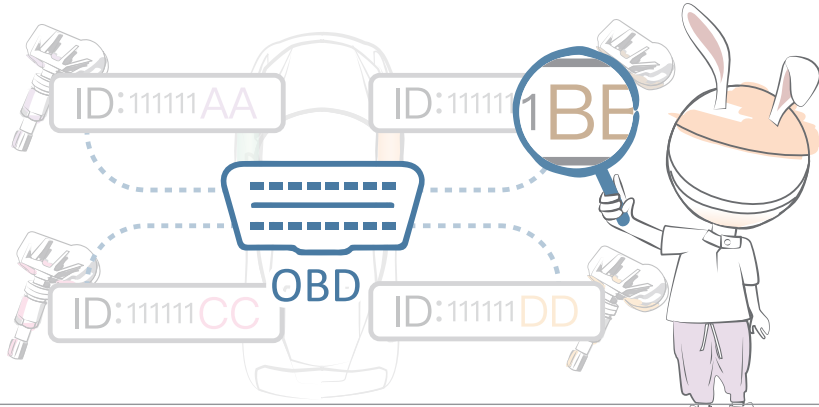
3 Program failure. Sensor is not mounted inside the tire.



4 (ID Copy) ID Copy failure

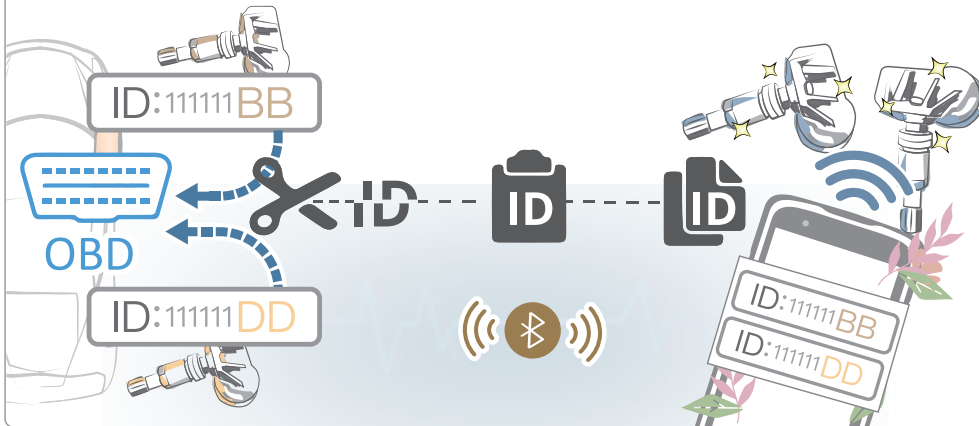


5 Is it also possible to do the OBD transfer with “Retrieve ID”?



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”?



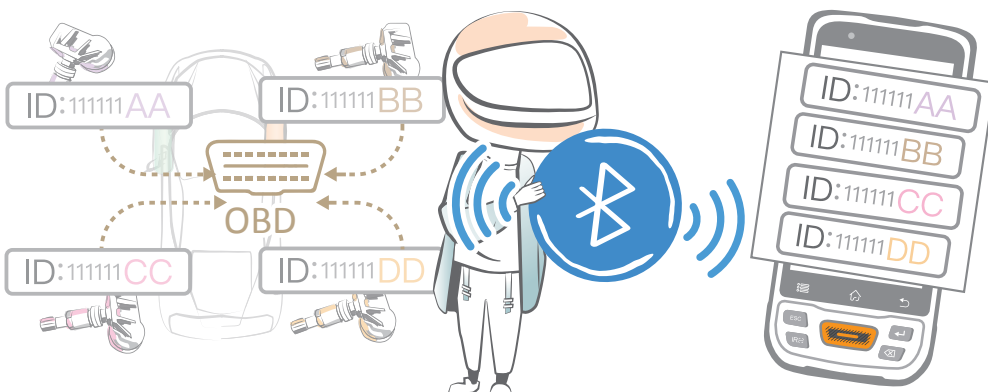
Using OBD to read the sensor ID number from ECU and copy the ID number to Orange sensor.

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



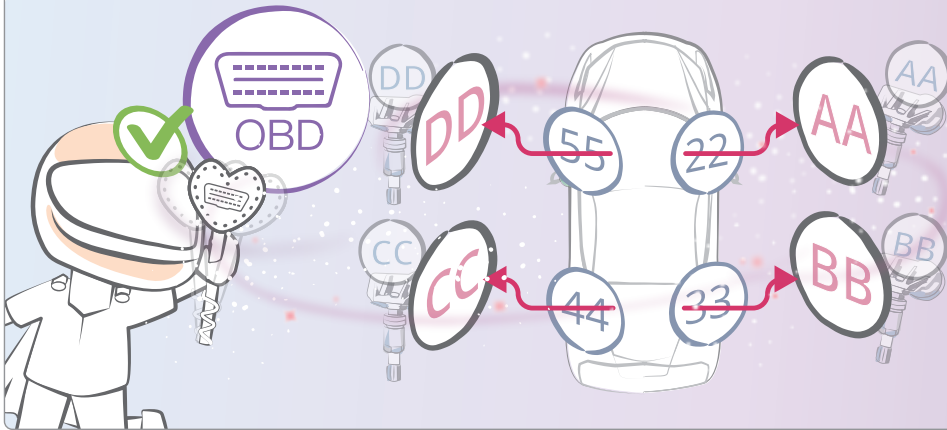
1. Restart the OBD Bluetooth.
2. Keep the distance within 1 meter between O-Genius and OBD.

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?



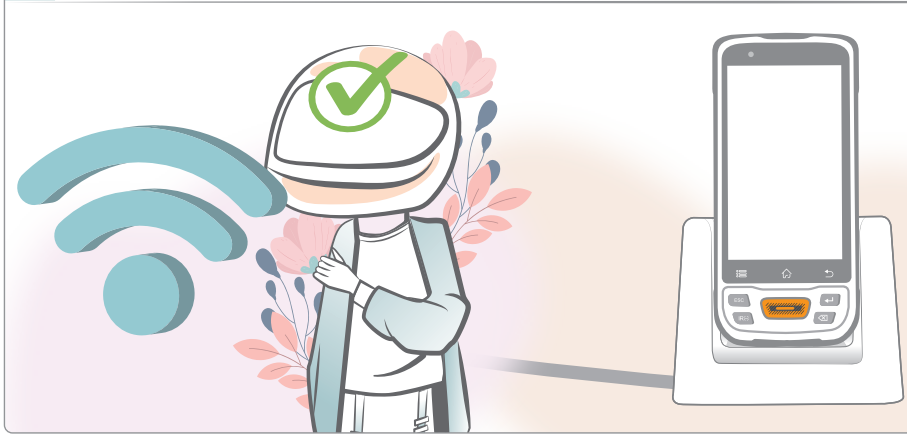
Yes, during OBD Relearn, you could only upload sensor ID to ECU.

10 How frequent should I update O-Genius?



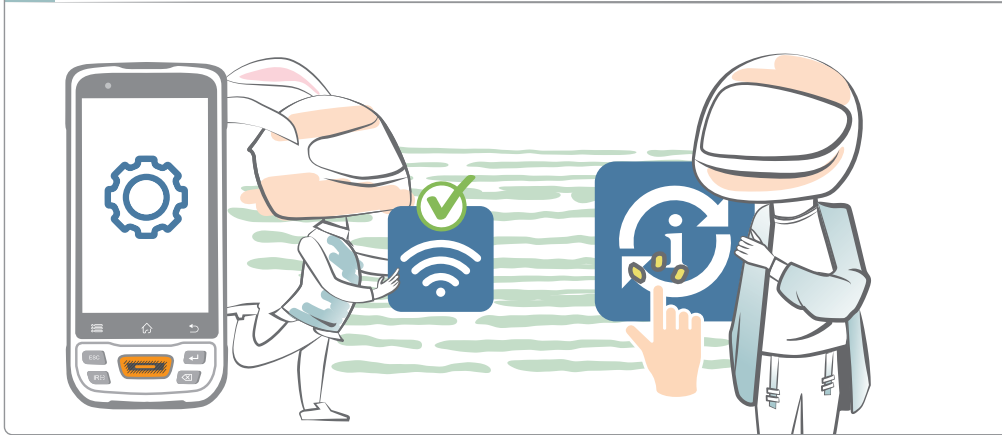
It will inform you automatically, if there is an update.

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.