

TPMS Diagnostic Tool

O-Genius

User's Manual

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2.I522602
3.CN101881699B
4.JP5463568

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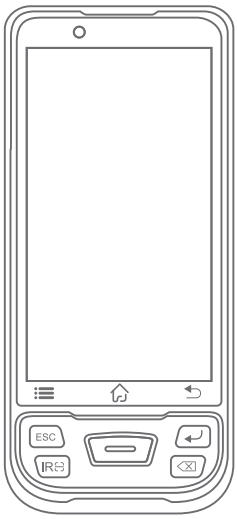
⚠ WARNING

• RISK OF FIRE, OVERHEATING, AND EQUIPMENT DAMAGE
DO NOT charge the TPMS Diagnostic Tool (including direct charging and cradle charging) if the inside of any connector on the TPMS Diagnostic Tool, charging cradle, or power adapter (Type-C charging cable) is wet or contaminated with motor oil, grease, metallic dust, or any liquid debris.

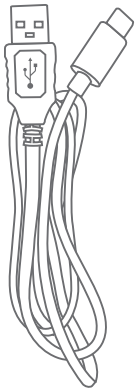
Hazards & Consequences: Moisture, motor oil, grease, metallic dust, and other contaminants may be present in tire maintenance and automotive service environments. If these contaminants enter any USB Type-C connector (including the port on the TPMS Diagnostic Tool body, the charging cradle slot, or the charging cable plug), they may cause a short circuit, abnormal conductivity, or poor contact. This can lead to localized overheating of the connector, resulting in melting, deformation, or damage to the connector and surrounding plastic components. In severe cases, this may cause a fire, burn injuries, or equipment damage.
These Type-C connector cleanliness and dryness requirements must be strictly followed regardless of whether you are using the charging cradle or charging directly with the power adapter and USB Type-C cable.

• PREVENTIVE ACTIONS:
1. Inspect Before Use: Visually inspect the Type-C ports on the TPMS Diagnostic Tool, the charging cradle, and the power adapter cable connector prior to every charging cycle. Ensure all pins and ports are completely dry and free from oil, grease, or dirt.
2. Avoid Contaminating Connectors: Do not directly touch, plug, or unplug Type-C connectors and cables if your hands are contaminated with motor oil, brake fluid, moisture, or chemical solvents during operation.Proper Cleaning: If contamination is detected, unplug the AC power adapter from the wall outlet immediately. Clean the port and connector with compressed air or a dry, lint-free cloth. Never insert metallic tools into any Type-C port.
3.Proper Cleaning Method: If oil stains or liquids are found inside any connector or cable plug, do not connect to a power source or attempt to charge. When cleaning, use an appropriate cleaning method and ensure that the air source or cleaning tools used are completely dry and oil-free.
4.Emergency Response: If you observe abnormal overheating, smoke, unusual odor, discoloration, deformation, or abnormal charging behavior during the charging process, immediately stop charging and disconnect the power source. Do not touch or continue to use the device until it is safe and fully cooled down.
Do not attempt to charge again until you have confirmed that the TPMS Diagnostic Tool, charging cradle, and charging cable are all free from any abnormalities.

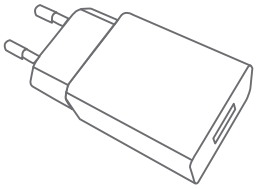
This warranty does not cover any hardware damage resulting from short circuits or thermal overheating of the TPMS Diagnostic Tool, charging cradle, or Type-C charging cable caused by motor oil, liquid, oil accumulation, or foreign debris ingress, nor does it cover damages caused by non-compliance with the operating safety instructions in this manual.



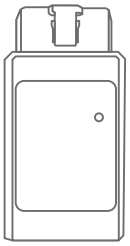
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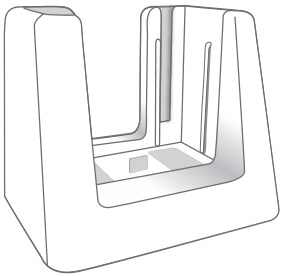
Power Cable



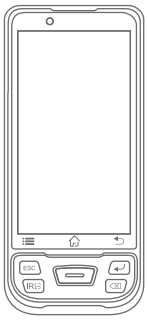
Power Adapter



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)

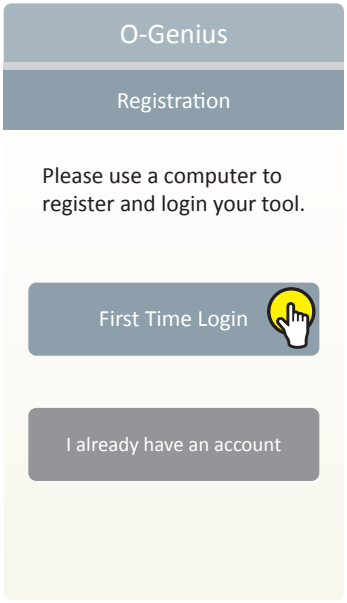
【Warranty Period】
The main unit of this product is covered by a 2-year warranty; however, the built-in battery (or accessories) is limited to a 1-year warranty.

【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

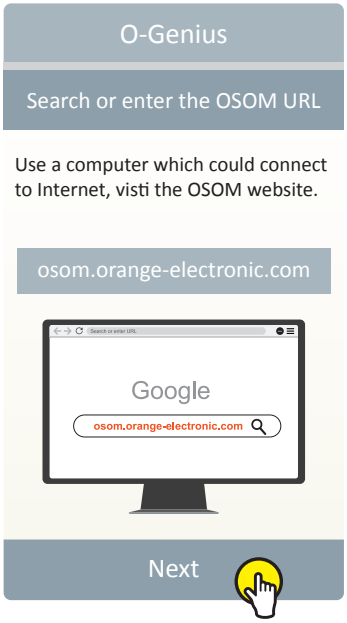
1 Connect to WiFi

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



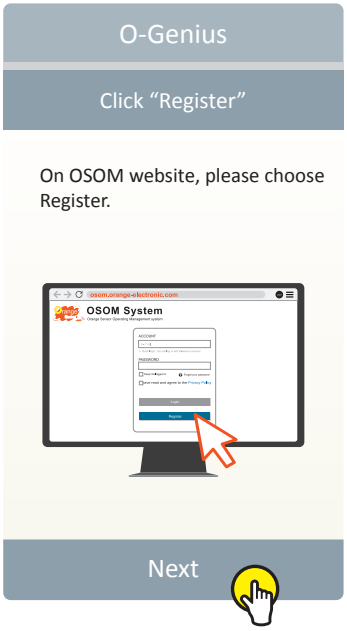
2 Search or enter the OSOM URL

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



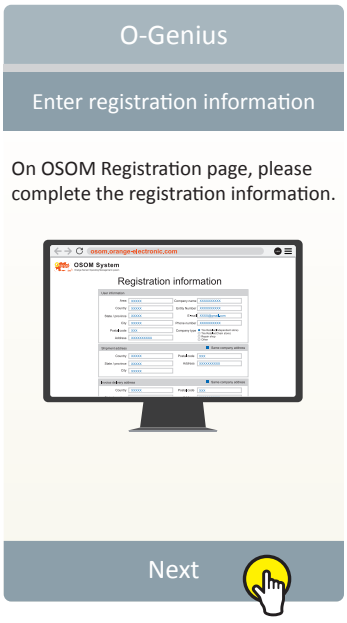
3 Click “Register”

Click the register button on the OSOM website home page.



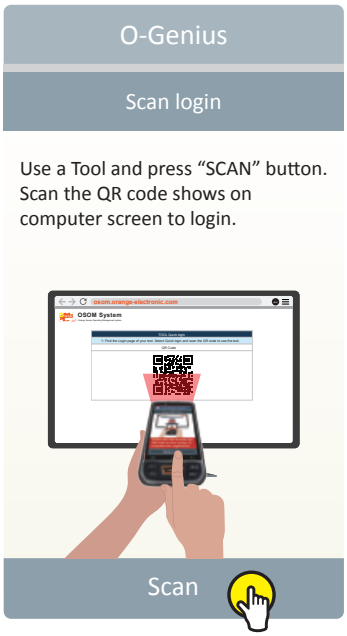
4 Enter registration information

Enter the required information on the signup pages.



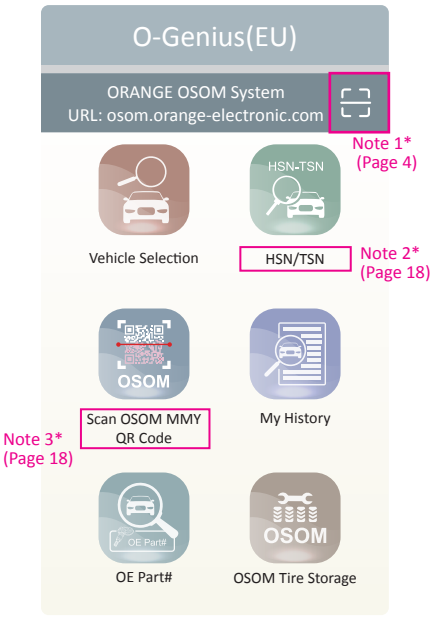
5 Scan login

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



6 Completed

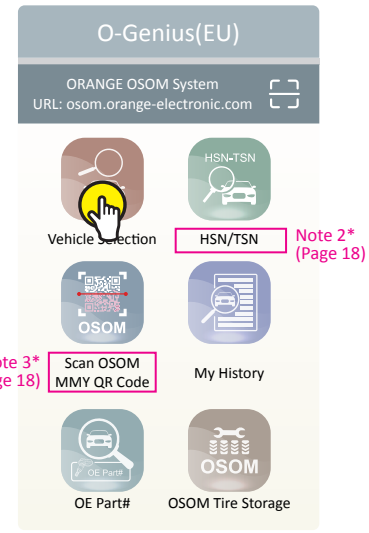
After registration, the account will be bound to the tool serial number. If you forget your account, please contact customer service for assistance.



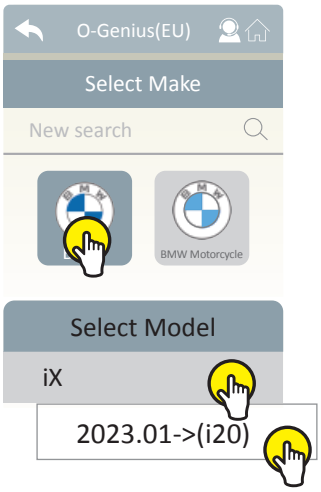
Note1
If you forgot the account and password of OSOM system on PC. Click this button to scan the OSOM QR code to log in.

Read Sensor

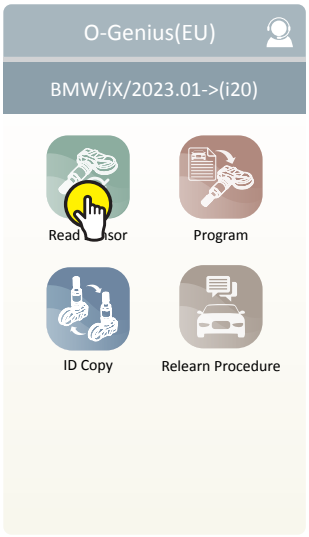
1 Select vehicle by different methods.



2 Select Make, Model, Year

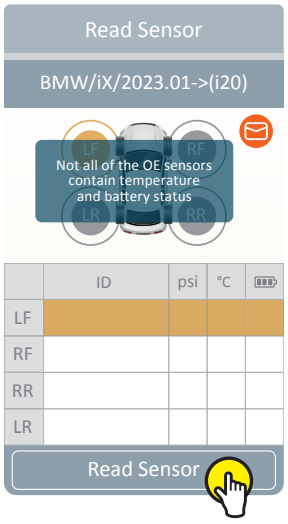


3 Select " Read Sensor"

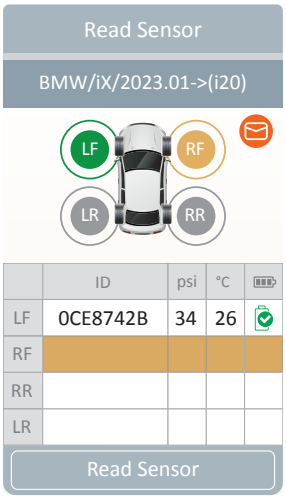


4 Select "Read Sensor"

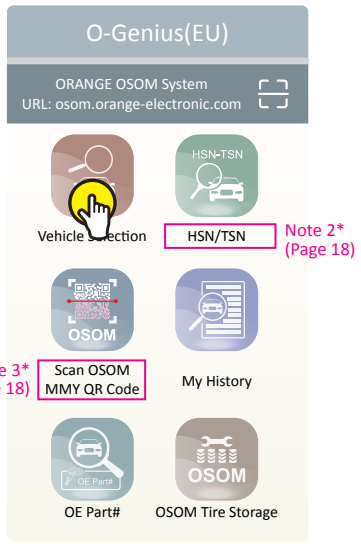
Select "Read Sensor", to check the sensor.



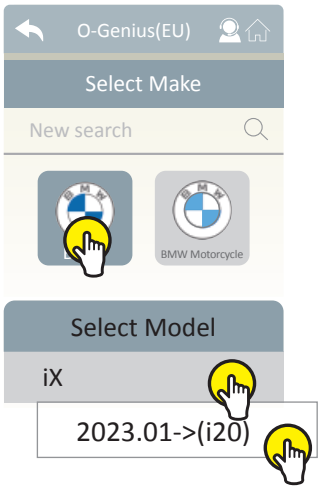
5 Completed



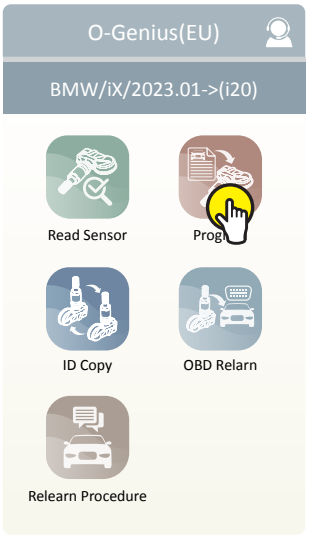
1 Select vehicle by different methods.



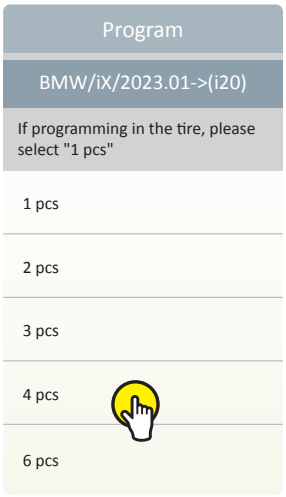
2 Select Make, Model, Year



3 Select " Program"



4 Select of the sensor quantity



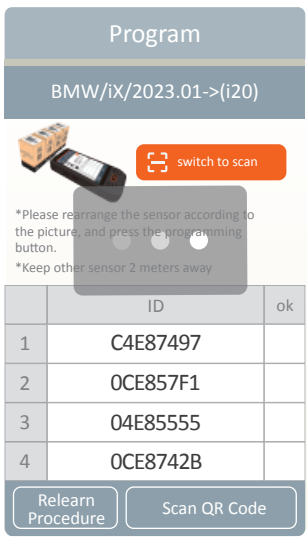
5 Select enter ID method



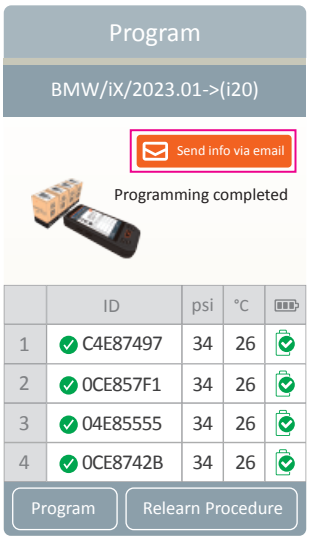
6 Scan the QR Code



7 Program automatically once all sensor IDs were scanned.



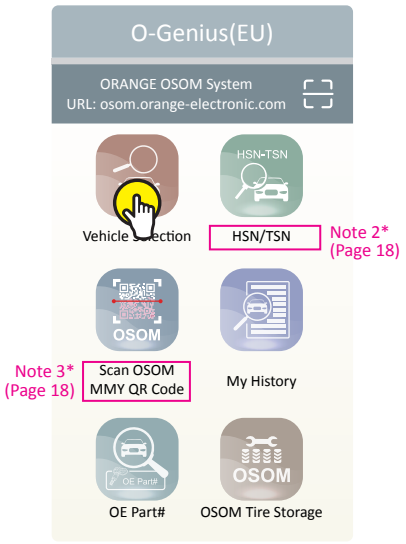
8 Completed



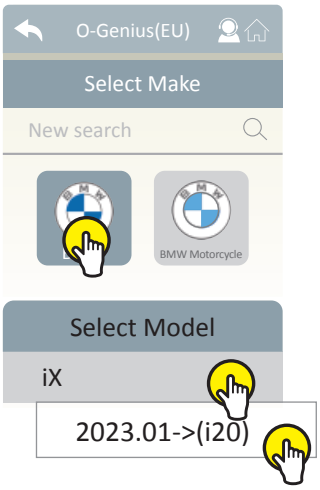
Click "Send info via email" can keep the programming data(ID number, tire pressure, MMY, Time) to your mail.

ID-Copy- Single program

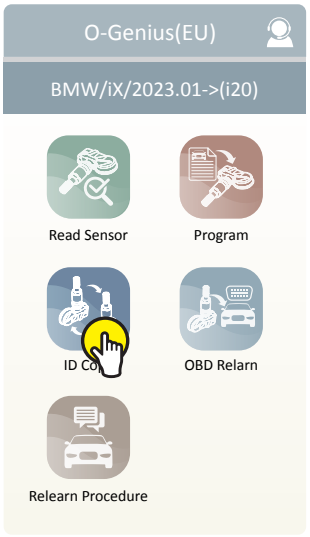
1 Select vehicle by different methods.



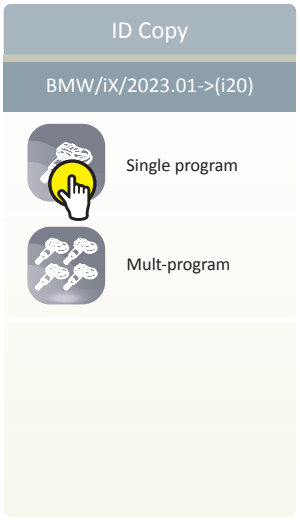
2 Select Make, Model, Year



3 Select “ID Copy”



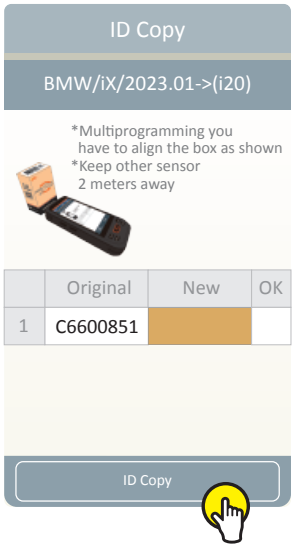
4 Select “Single Program”



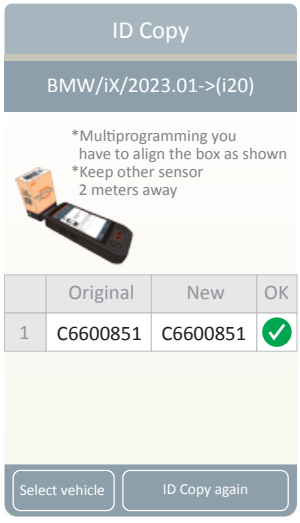
5 Select “Read Sensor”



6 Click “ID Copy”

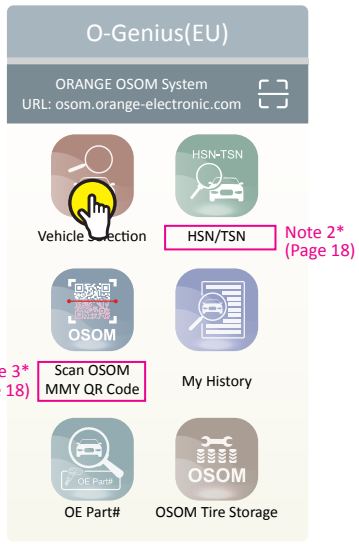


7 Completed

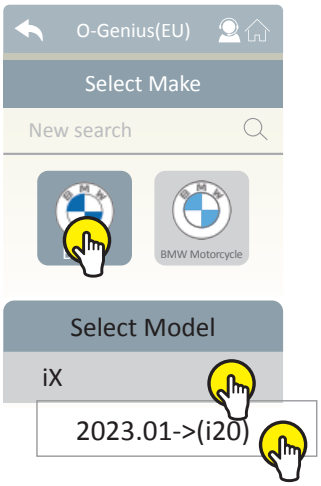


ID-Copy- Multi program- 2,3pcs

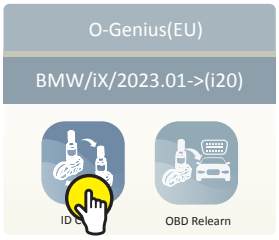
1 Select vehicle by different methods.



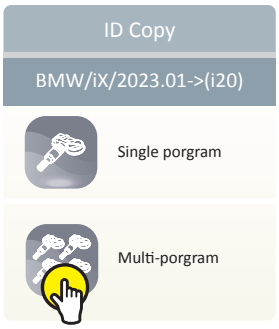
2 Select Make, Model, Year



3 Select "ID Copy"

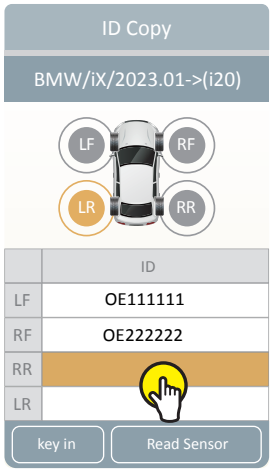


Select "Multi Program"

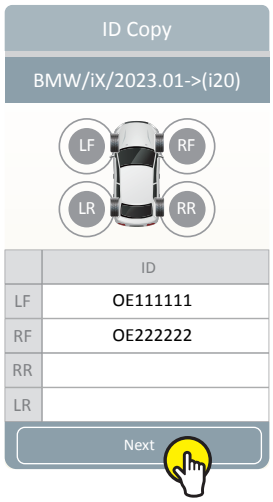


4 Click the yellow row

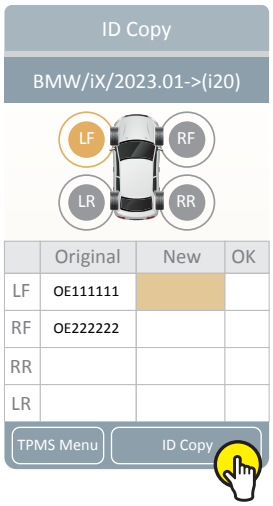
Click the yellow row to proceed to the next step. (Click "Read Sensor" to read the sensor)



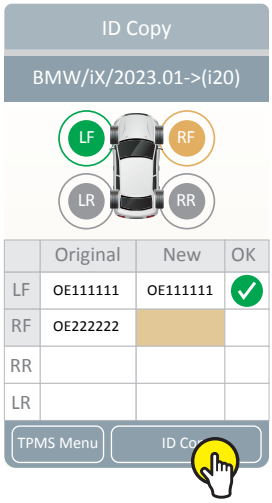
5 Select "Next"



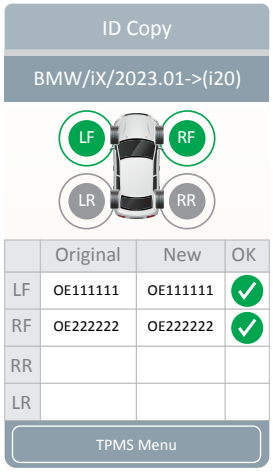
6 Select "ID Copy"



7 Select next tire position and click "ID Copy"

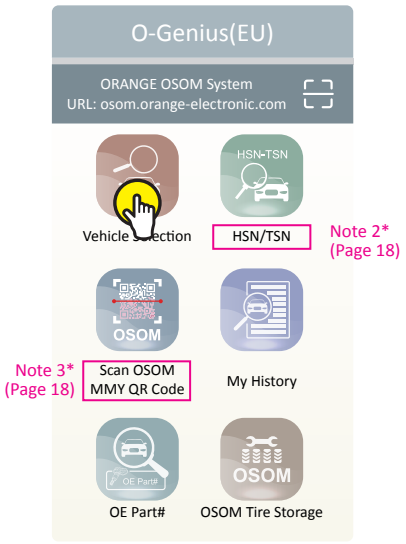


8 Completed

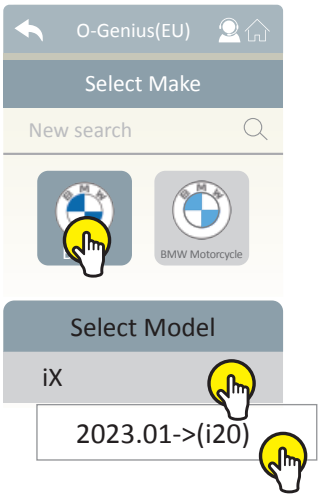


ID-Copy- Multi program- 4pcs

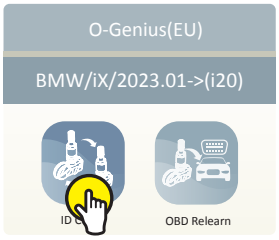
1 Select vehicle by different methods.



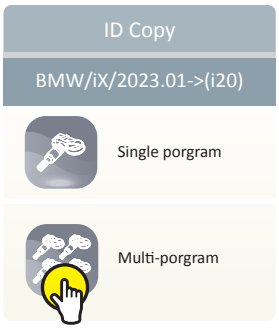
2 Select Make, Model, Year



3 Select "ID Copy"

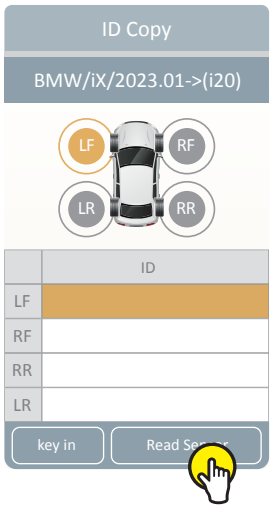


Select "Multi Program"

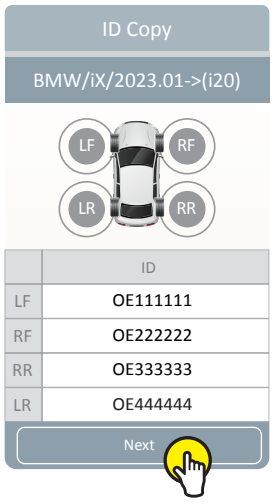


4 Read sensor ID

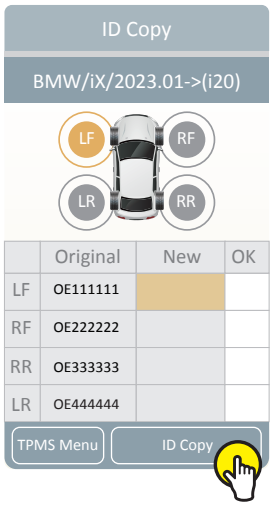
Start at the front left tire and read the sensor IDs clockwise. (LF, RF, RR, LR)



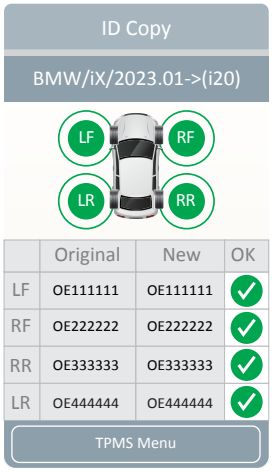
5 Select "Next"



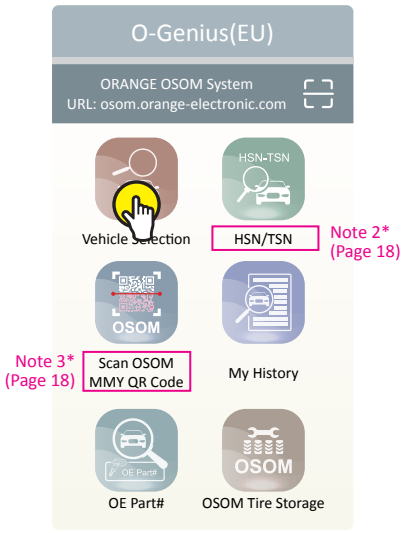
6 Select "ID Copy"



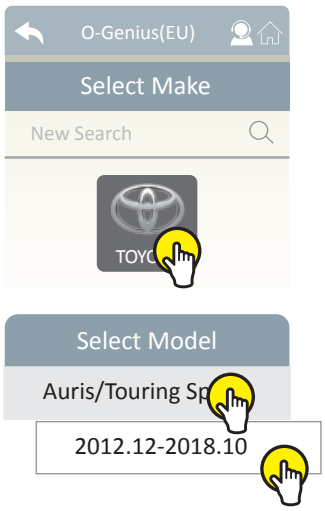
7 Completed



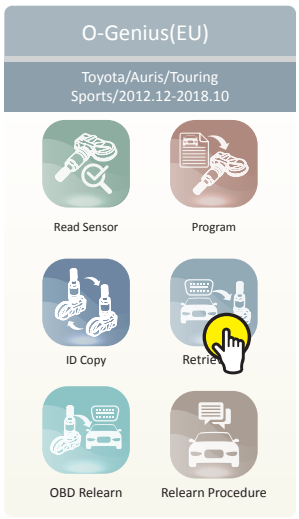
1 Select vehicle by different methods.



2 Select Make, Model, Year

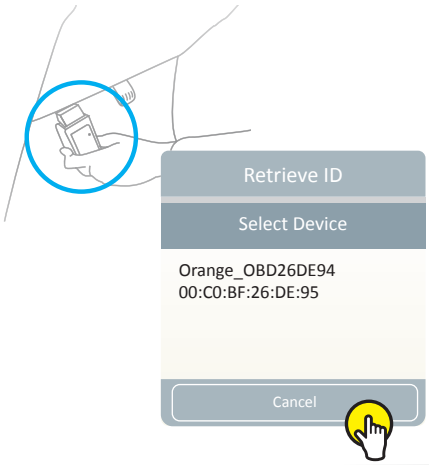


3 Select "Retrieve ID"

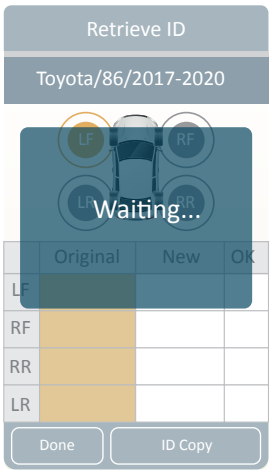


4 Connect to OBD

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



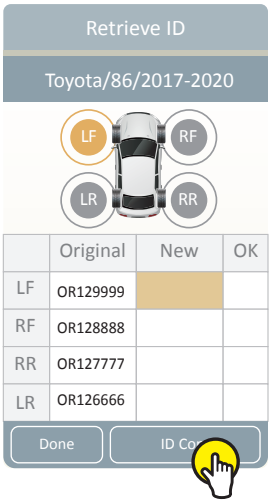
5 OBD reads Original Sensor ID



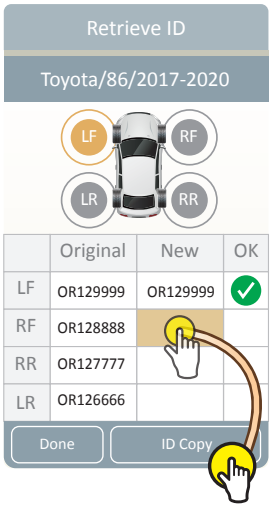
6 Remove OBD device



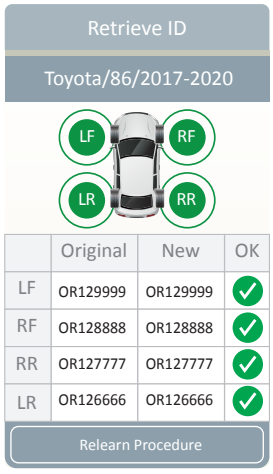
7 Select "ID Copy"



8 Select next tire position and click "ID Copy"

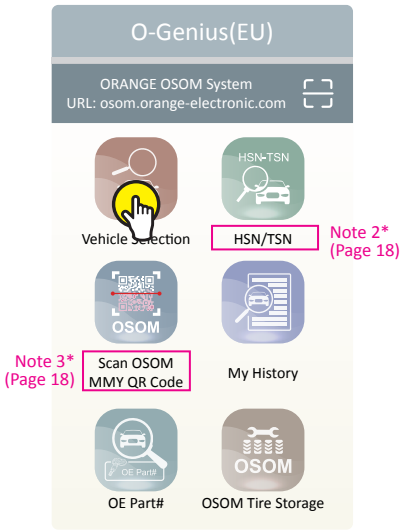


9 Completed

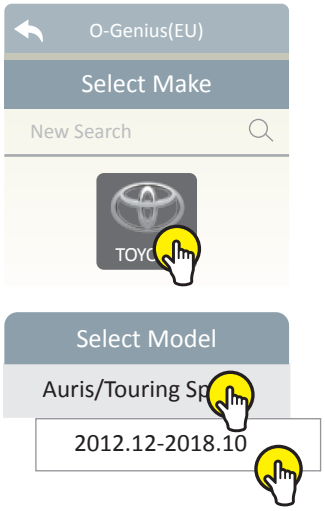


OBD Relearn

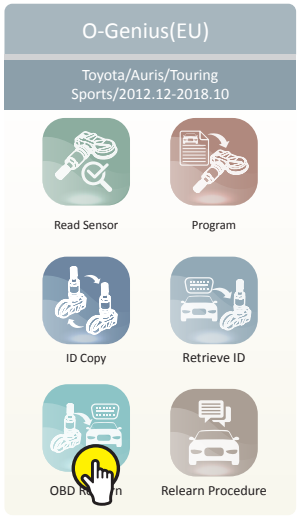
1 Select vehicle by different methods.



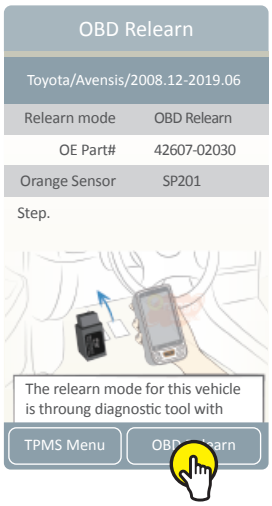
2 Select Make, Model, Year



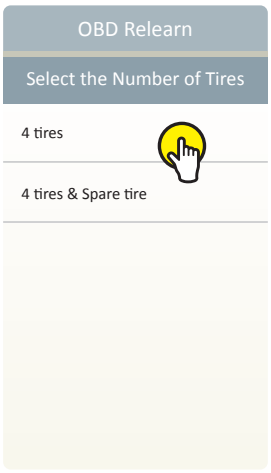
3 Select "OBD Relearn"



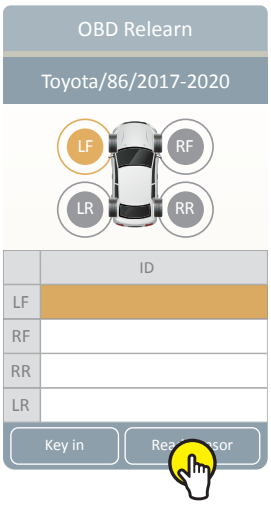
4 Select "OBD Relearn"



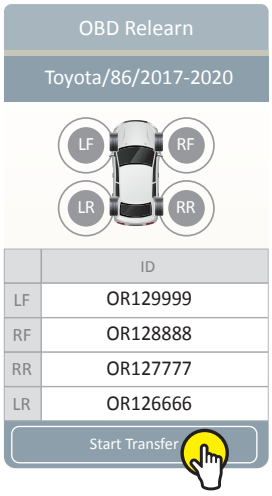
5 Select the Number of Tires



6 Select "Read Sensor"



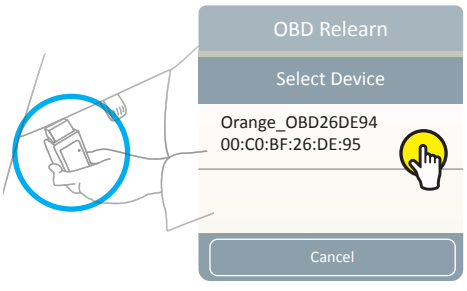
7 Select "Start Transfer"



8 Connect to OBD

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

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

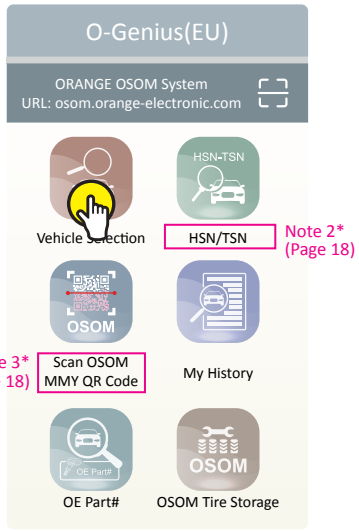


9 Completed

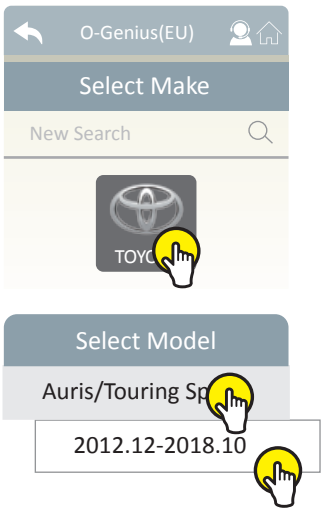


Relearn Procedure

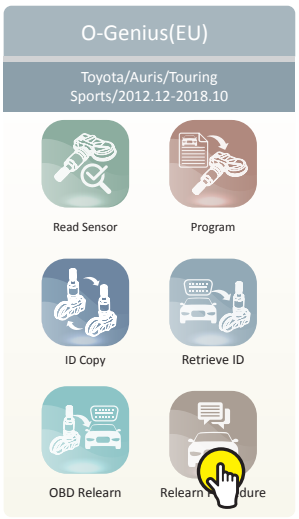
1 Select vehicle by different methods.



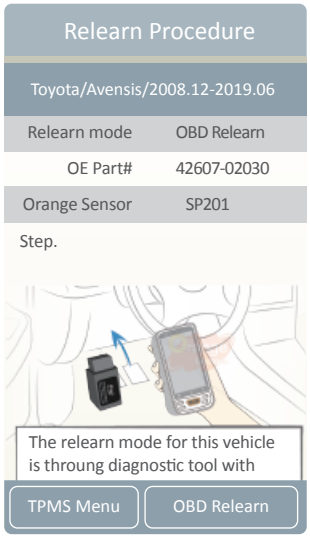
2 Select Make, Model, Year



3 Select “Relearn Procedure”

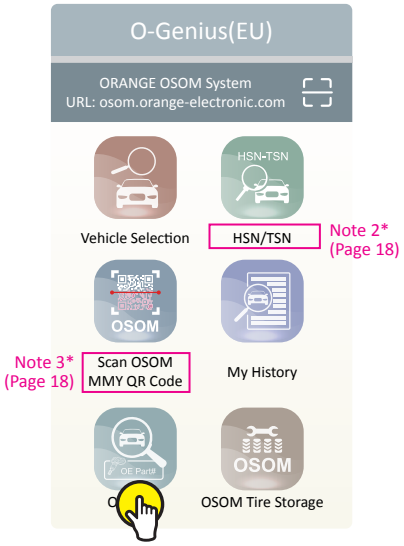


4 Completed

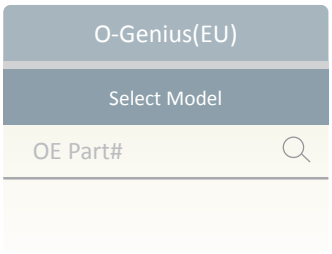


OE Part#

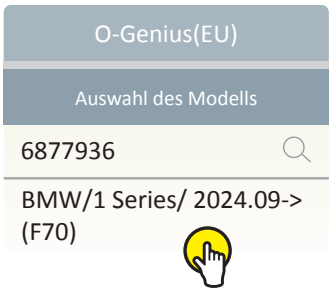
1 Select “OE Part#”



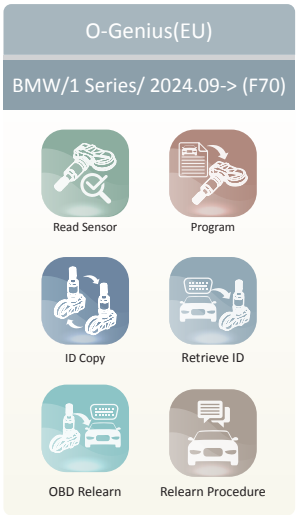
2 Key in “OE-Part“



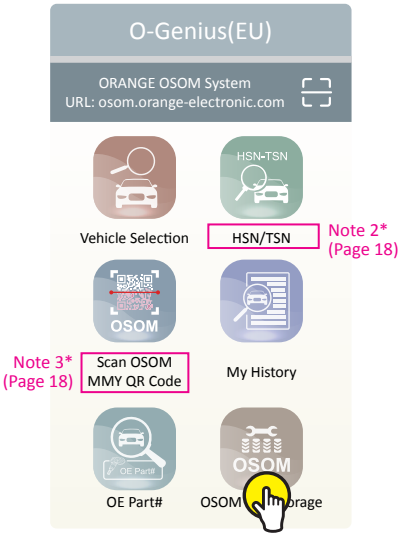
3 Select the vehicle



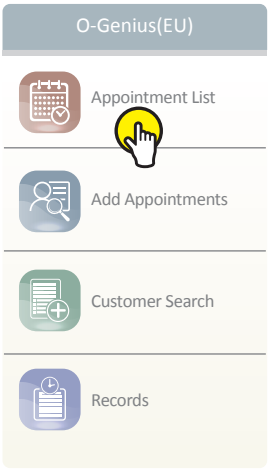
4 Completed



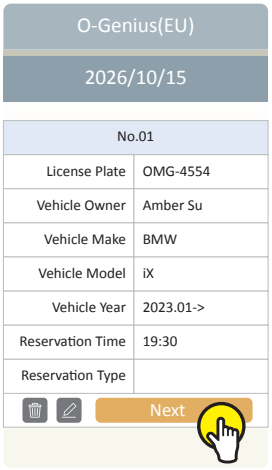
1 Select “OSOM Tire Storage”



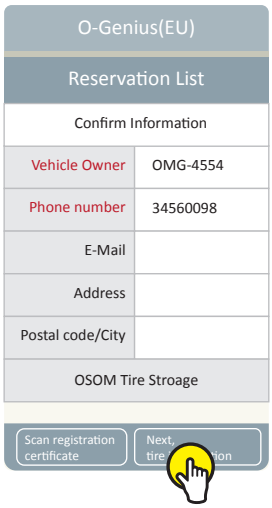
2 Select “Reservation List”



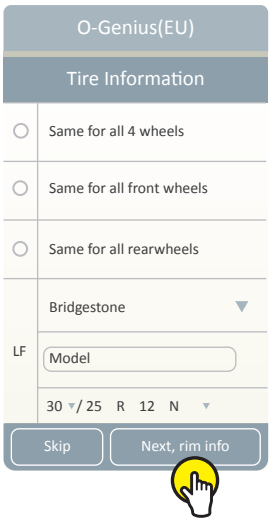
3 Select “Next”



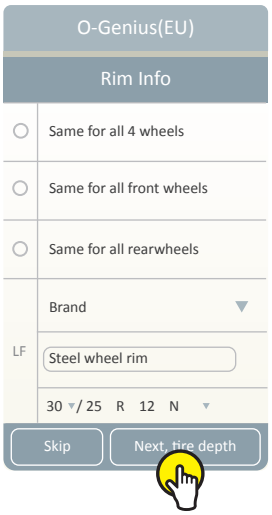
4 Check reservation list



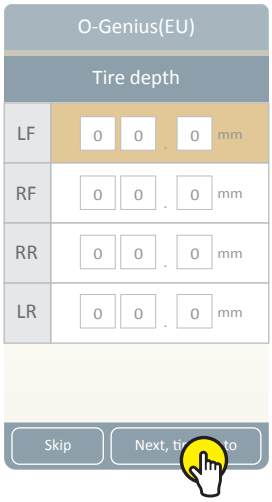
5 Check tire information



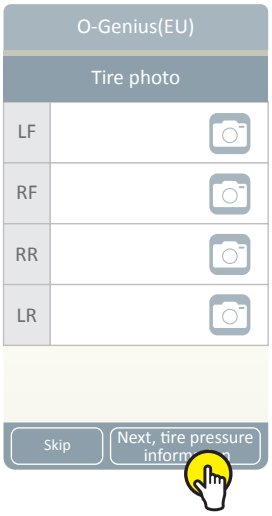
6 Check Rim info



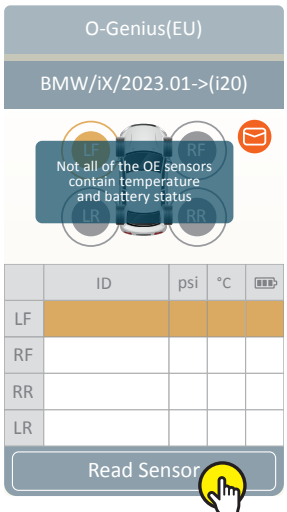
7 Enter tire depth



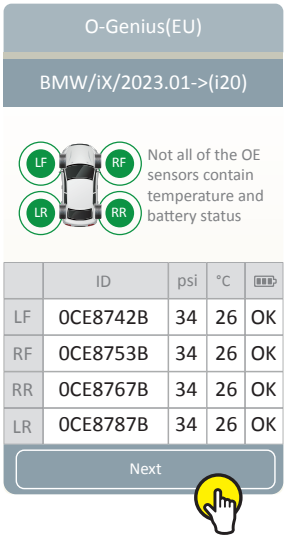
8 Take a photo of tire



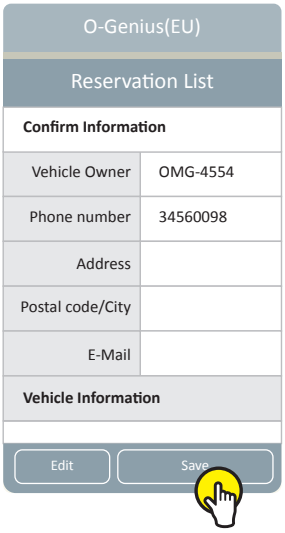
9 Select “Read sensor”



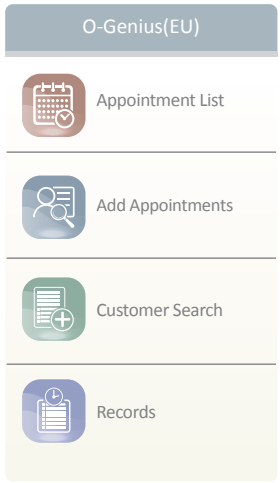
10 Select “Next”



11 Select “Save”



12 Completed

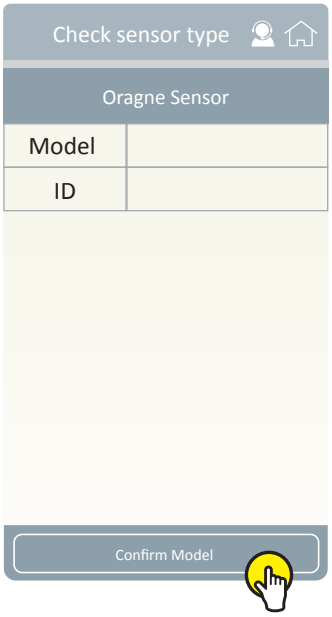


Check Sensor Type

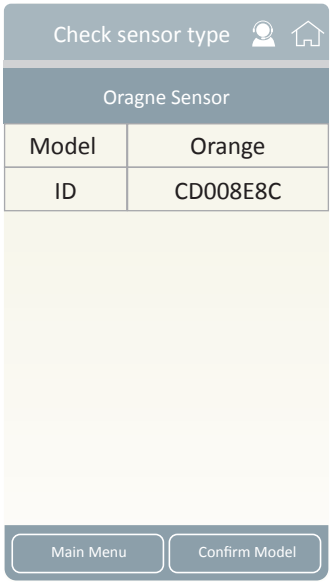
1 Select “Check Sensor Type”



2 Click “Confirm Model”

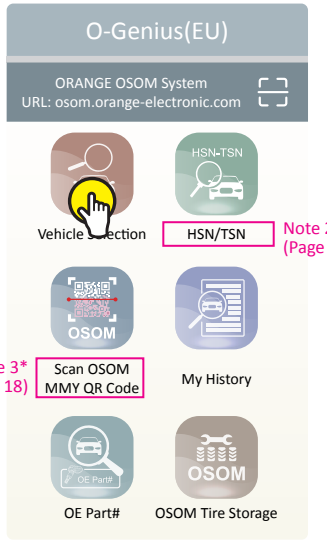


3 Completed

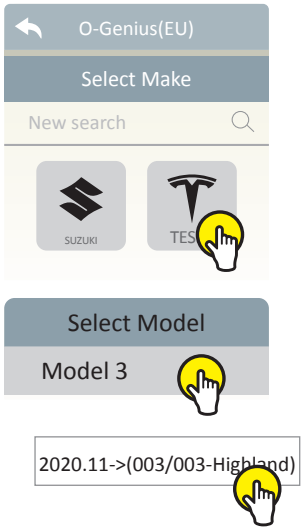


Updadte TPMS

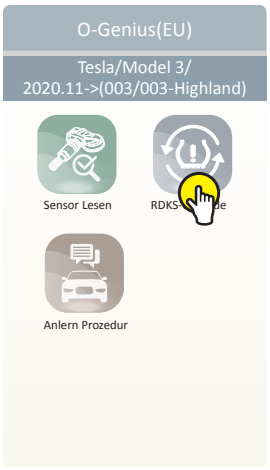
1 Select vehicle by different methods.



2 Select Make, Model, Year

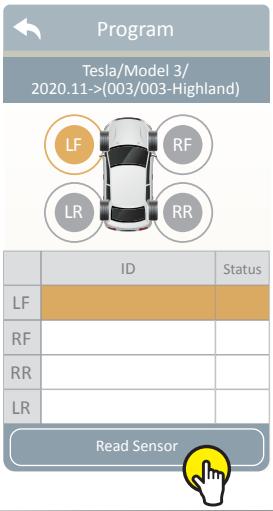


3 Select “Program”



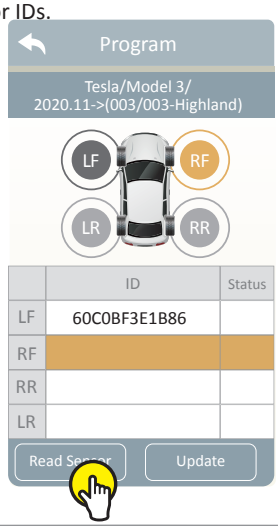
4 Select “Read Sensor”

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



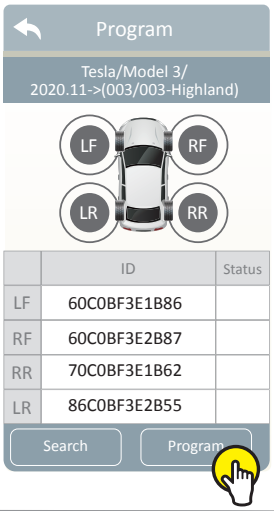
5 Select next tire and press “Read Sensor”

Follow the same step until search all sensor IDs.

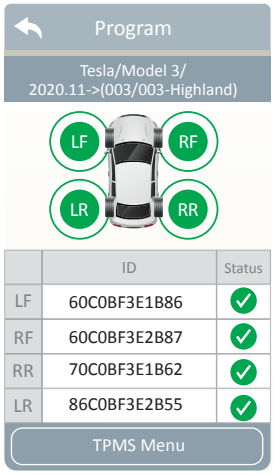


6 Get All sensor IDs

Press “Update” to update.

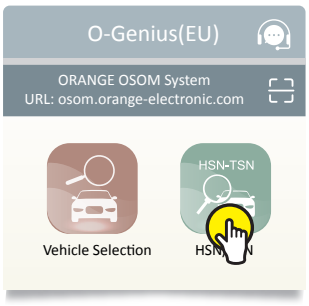


7 Completed

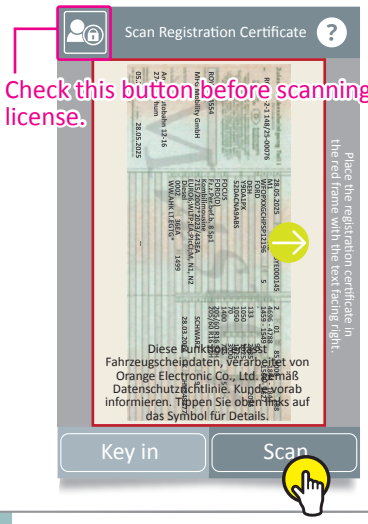


Note2*: HSN/TSN

1 Click “HSN/TSN”



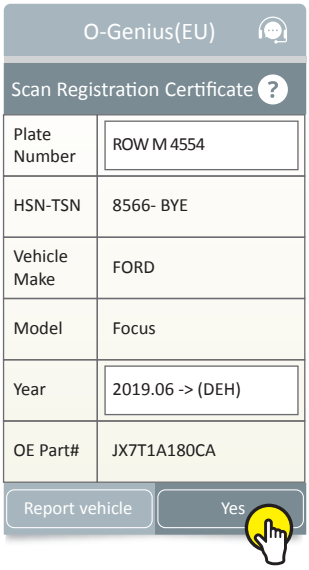
2 Click “Scan” to take photo of the license.



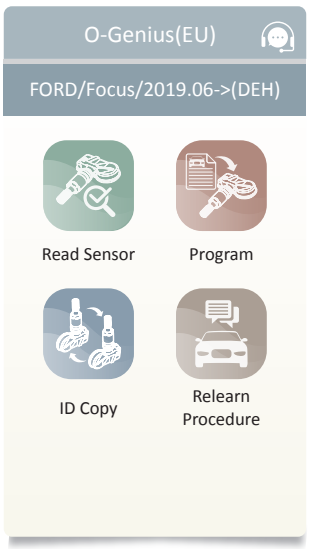
3 Text faceing right. As shown in the image below



4 Confirm the vehicle information and click “Yes”

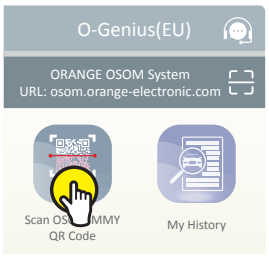


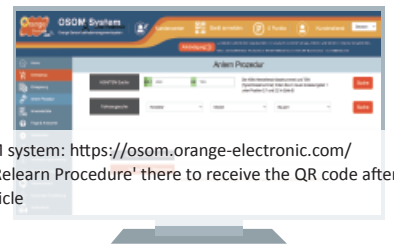
5 Completed



Note3: *Scan vehicle data via QR code.

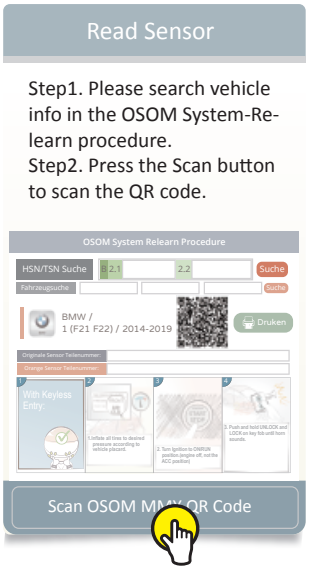
1 Select "Scan OSOM MMY QR Code"





Link to the OSOM system: https://osom.orange-electronic.com/
Select the item 'Relearn Procedure' there to receive the QR code after selecting the vehicle

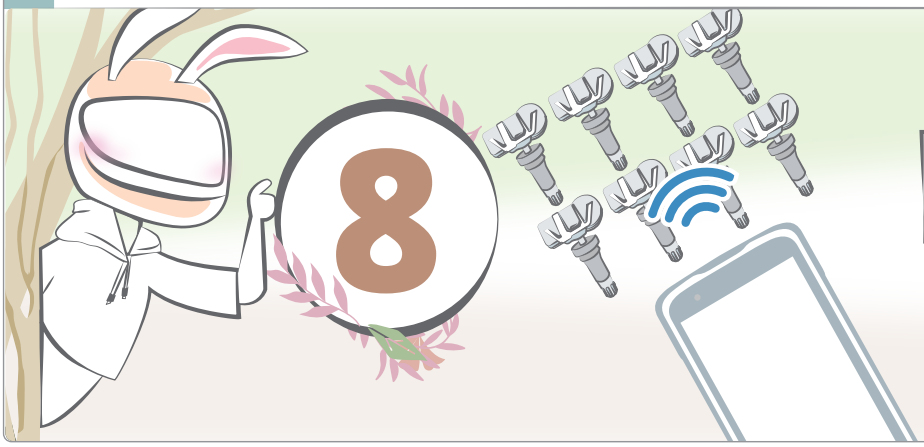
2 Scan the QR code from the OSOM website.



3 Your device will automatically receive all vehicle data.



1 How many sensors can be programmed simultaneously?



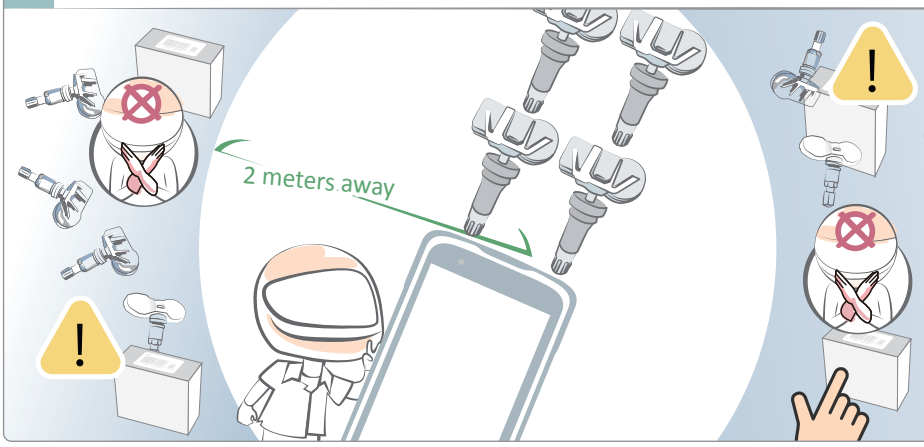
O-Genius can program up to 8 sensors at the same time.

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



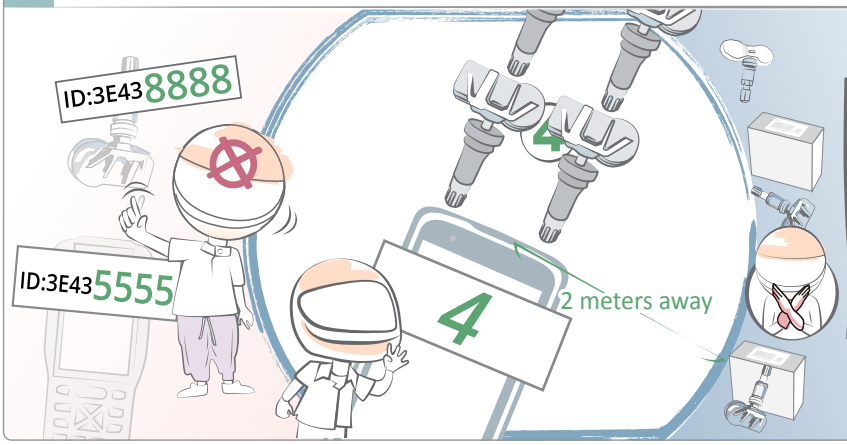
Place the top of O-Genius at the tire position where the valve is for programming. (As the graphic on the left)
DO NOT move O-Genius tool while programming.

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



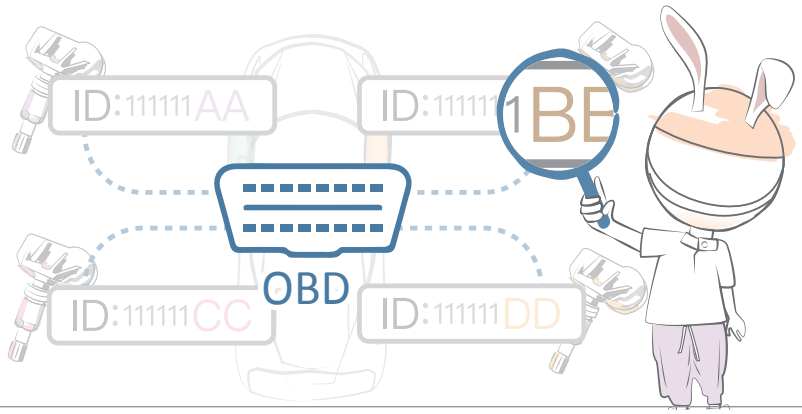
Please make sure other sensors are at least 2 meters away, and DO NOT move O-Genius while programming.

4 (ID Copy) ID Copy failure



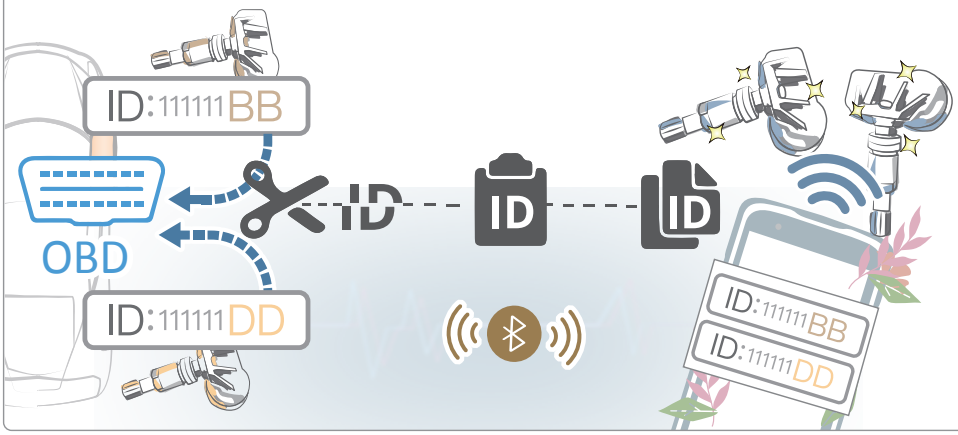
1. Please make sure the sensor ID and the programming sensors ID are the same.
2. Please follow the photo instruction on the left to place O-Genius and sensors. Be sure to keep other sensors at least 2 meters away.

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



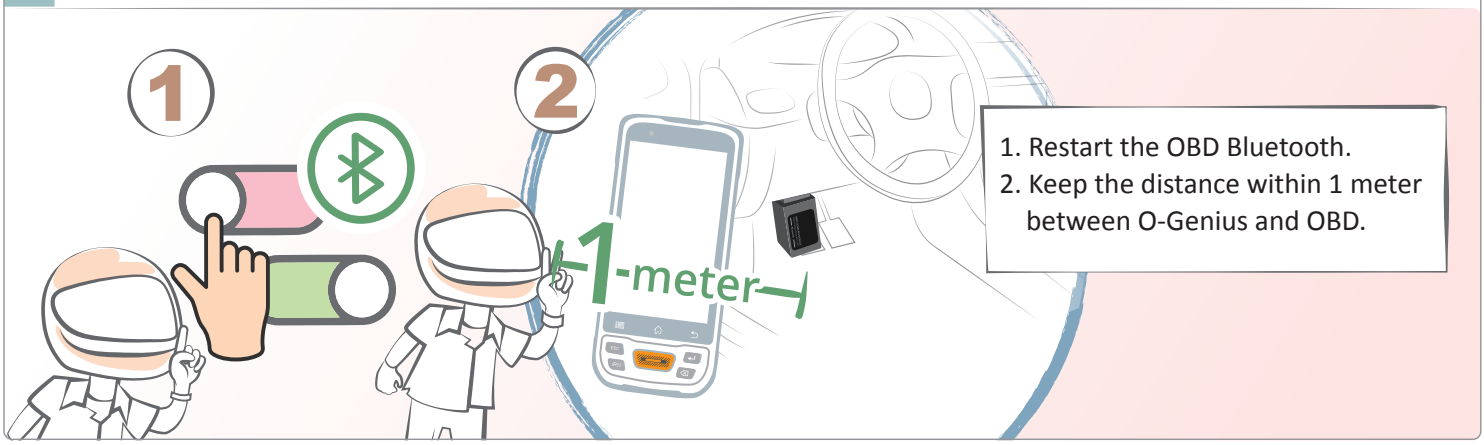
No, “Retrieve ID”only reads the sensor ID number from ECU.
If sensor ID number need to be modify from ECU, please use OBD relearn procedure.

6 What is the functionality of “Retrieve ID”?



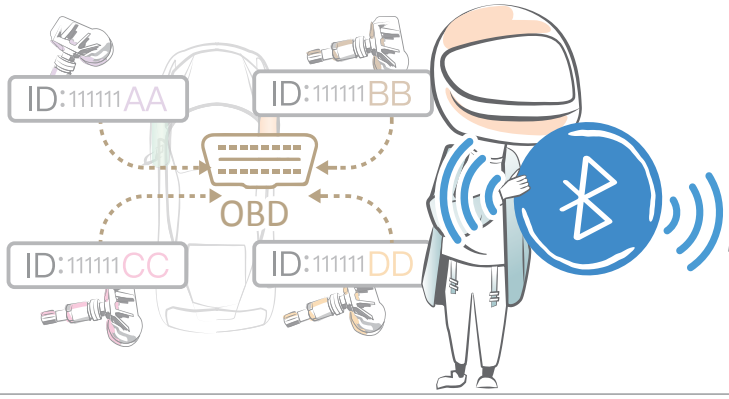
Using OBD to read the sensor ID number from ECU and copy the ID number to Orange sensor.

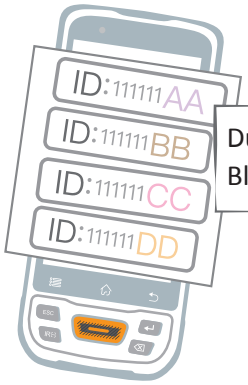
7 (OBD Relearn/ Retrieve ID) OBD bluetooth disconnected.



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

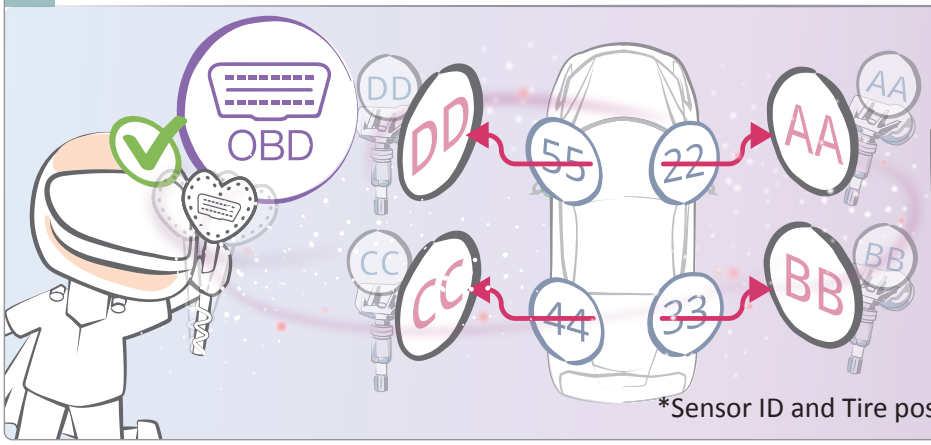
8 During OBD Relearn, do I need to connect to a cable or is it wireless connection?





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.

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.