TPMS Diagnostic Tool

O-Genius

User's Manual

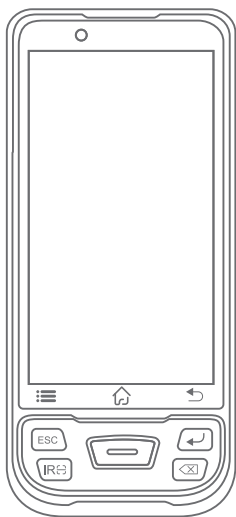ID COPY Patent Number
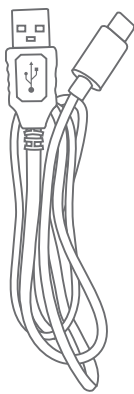1.8031064C3
2.I522602
3.CN101881699B
4.JP5463568

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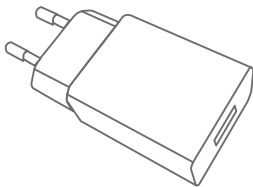(Headquarter) 5F, NO.29, Keya Rd. Central
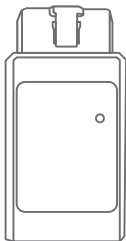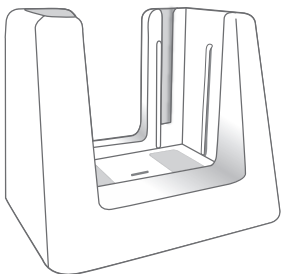Taiwan Science Park, Taichung 42881, Taiwan
service@orange-electronic.com

Tire Pressure Monitoring System

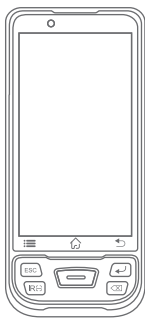# O-Genius

| O-Genius | Power Cable | Power Adapter | OBD II Dongle
(Refer as OBD below) | 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"

O-Genius
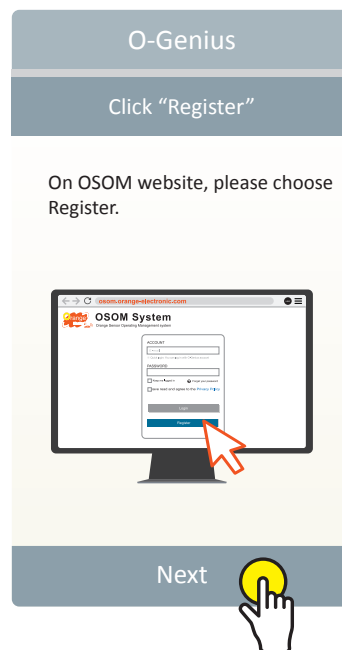
Registration

Please use a computer to register and login your tool.

First Time Login

I already have an account
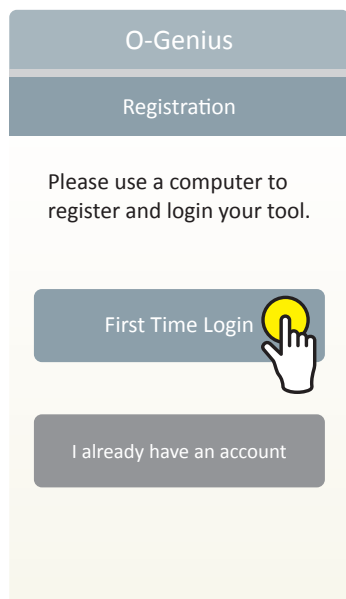
2 Search or enter the OSOM URL

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

O-Genius

Search or enter the OSOM URL

Use a computer which could connect to Internet, visti the OSOM website.

osom.orange-electronic.com

Google
osom.orange-electronic.com

Next

3 Click "Register"

Click the register button on the OSOM website home page.

O-Genius

Click "Register"

On OSOM website, please choose Register.

OSOM System

Next

4 Enter registration information

Enter the required information on the signup pages.

O-Genius

Enter registration information

On OSOM Registration page, please complete the registration information.

OSOM System
Registration information

Next
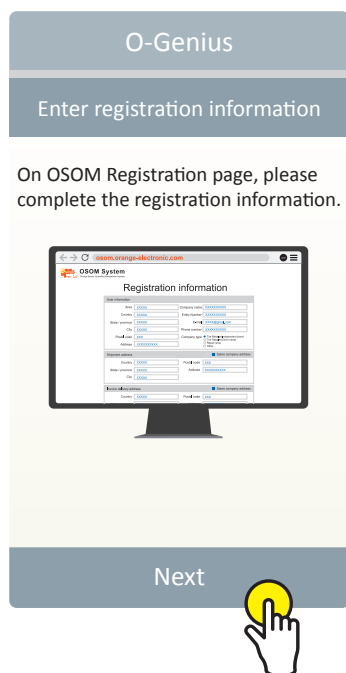
5 Scan login

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

O-Genius

Scan login

Use a Tool and press "SCAN" button. Scan the QR code shows on computer screen to login.

OSOM System

Scan
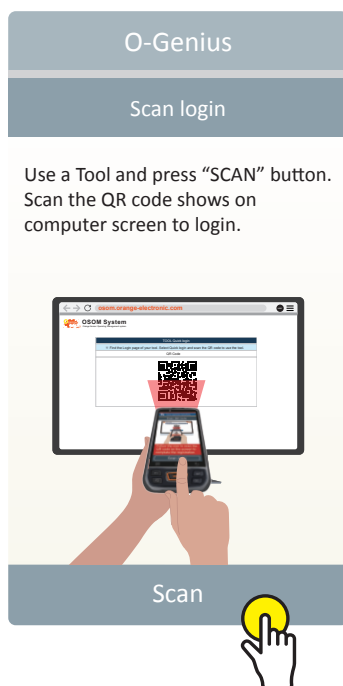
6 Completed

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

O-Genius

ORANGE OSOM System
URL:osom.orange-electronic.com

*note1 (page 4)

Vehicle Selection   Scan OSOM QR Code

My History   OSOM Tire Storage

Setting
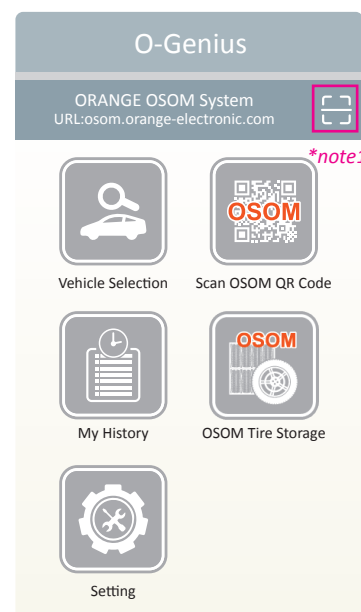
*note1
If you forgot the account and password of OSOM system on PC. Click this button to scan the OSOM QR code to log in.

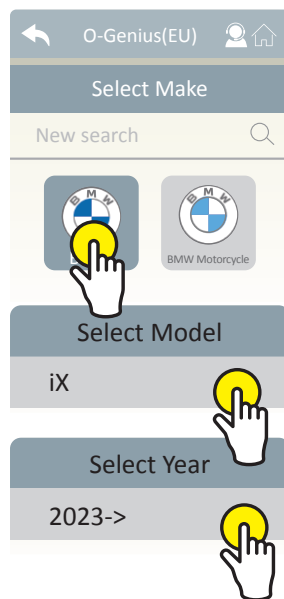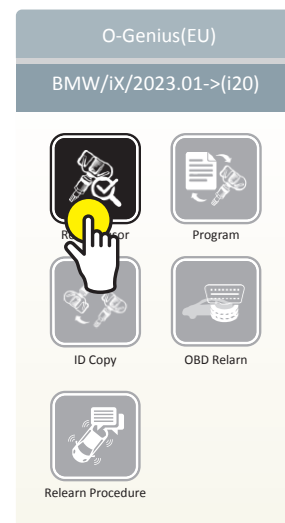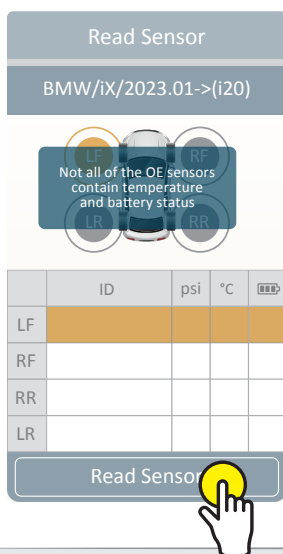**1** Select vehicle by different methods.

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

note1 (page 4)

Note 2 (Page 5)

Vehicle Selection | Scan OSOM QR Code*

My History | OSOM Tire Storage

Setting

2 Select Make, Model, Year

O-Genius(EU)

Select Make

New search

BMW | BMW Motorcycle

Select Model

iX

Select Year

2023->

3 Select " Read Sensor"

O-Genius(EU)

BMW/iX/2023.01->(i20)

Read Sensor | Program

ID Copy | OBD Relarn
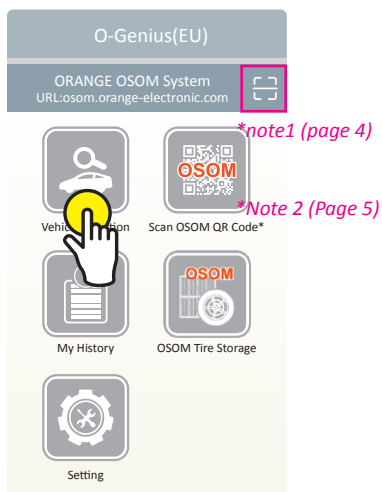
Relearn Procedure

4 Select "Read Sensor"

Select "Read Sensor", to check the sensor.

Read Sensor

BMW/iX/2023.01->(i20)

Not all of the OE sensors contain temperature and battery status

	ID	psi	°C	🔋
LF				
RF				
RR				
LR				

Read Sensor

5 Completed

Read Sensor

BMW/iX/2023.01->(i20)

LF | RF
LR | RR

	ID	psi	°C	🔋
LF	0CE8742B	34	26	✅
RF				
RR				
LR				

Read Sensor
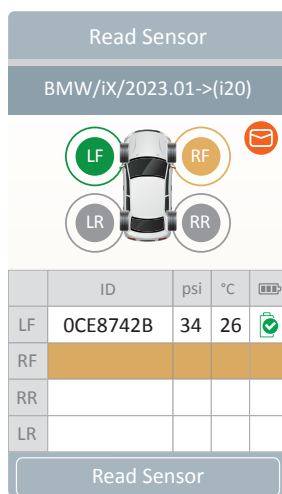
Note 1: * Scan OSOM QR Code

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.

O-Genius

ORANGE OSOM System
URL:osom.orange-electronic.com

Vehicle Selection | Scan OSOM Code

My History | OSOM Tire Storage
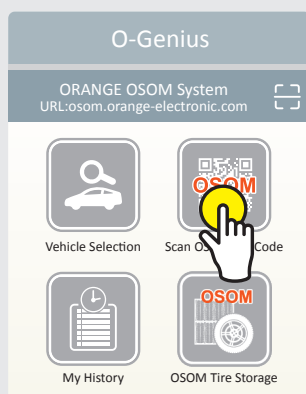
3. Scan the QR Code on the OSOM website

Read Sensor

Step1. Please search vehicle info in the OSOM System-Relearn procedure.
Step2. Press the Scan button to scan the QR code.

OSOM System Relearn Procedure

HSN/TSN Suche | 2.1 | 2.2 | Suche
Fahrzeugsuche | | | suche

BMW / 1 (F21 F22) / 2014-2019 | Druken

Scan QR Code

4. Obtain the vehicle MMY
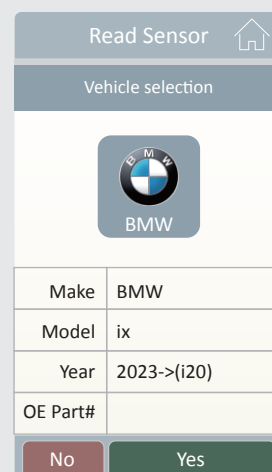
Read Sensor

Vehicle selection

BMW

Make	BMW
Model	ix
Year	2023->(i20)
OE Part#	

No	Yes

Program

1 Select vehicle by different methods.

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

*note1 (page 4)

Vehicle Selection   Scan OSOM QR Code

*Note 2 (Page 5)

My History   OSOM Tire Storage

Setting

2 Select Make, Model, Year

O-Genius(EU)

Select Make

New search

BMW   BMW Motorcycle

Select Model

iX

Select Year

2023->

3 Select " Program"

O-Genius(EU)

BMW/iX/2023.01->(i20)

Read Sensor

ID Copy   OBD Relarn

Relearn Procedure
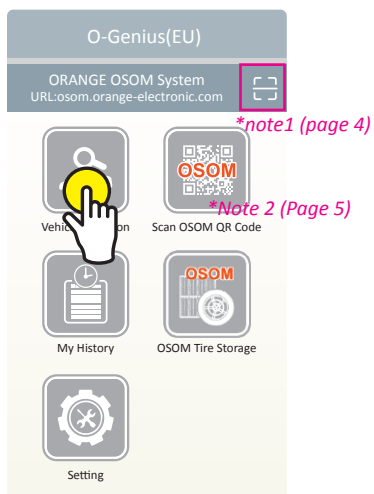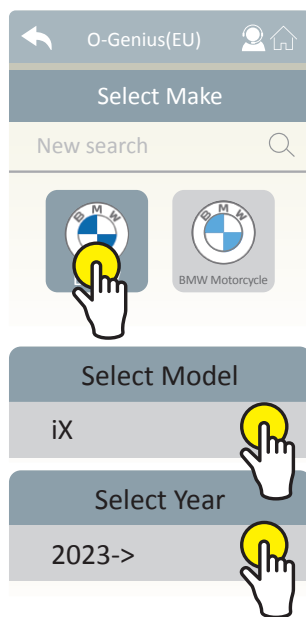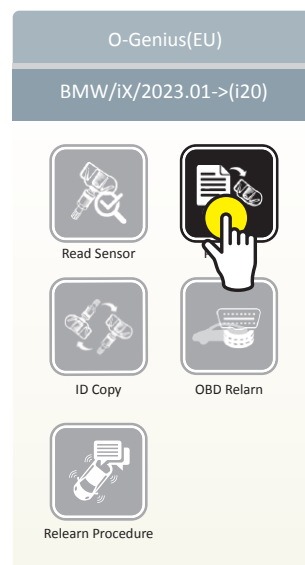
4 Select of the sensor quantity

Program

BMW/iX/2023.01->(i20)

If programming in the tire, please select "1 pcs"

1 pcs

2 pcs

3 pcs

4 pcs
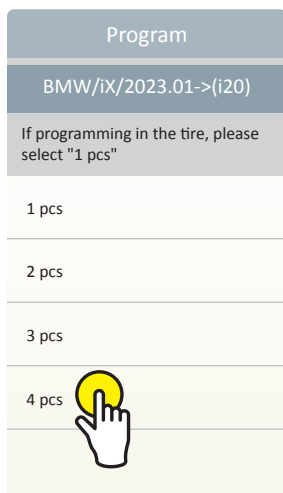
5 Select enter ID method

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

Program

Select enter ID method

Scan QR Code

Trigger

6 Select "Scan QR Code"

Program

BMW/iX/2023.01->(i20)

switch to scan

*Please rearrange the sensor according to the picture, and press the programming button.
*Keep other sensor 2 meters away

	ID	ok
1		
2		
3		
4		
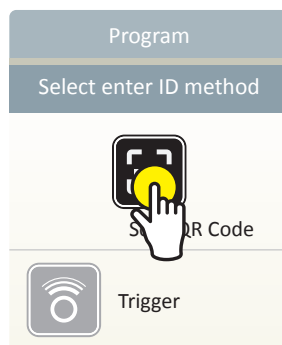
Relearn Procedure   Scan QR Code

7 Program automatically once all sensor IDs were scanned.

Program

BMW/iX/2023.01->(i20)

switch to scan

*Ple... ...ording to the ... ...ming butt... ...
*Kee... ...y

		ok
1	C4E87497	
2	0CE857F1	
3	04E85555	
4	0CE8742B	

Relearn Procedure   Scan QR Code

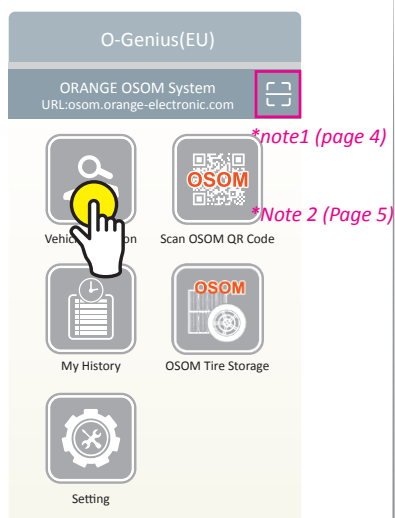## 8 Completed

Program

BMW/iX/2023.01->(i20)

Send info via email
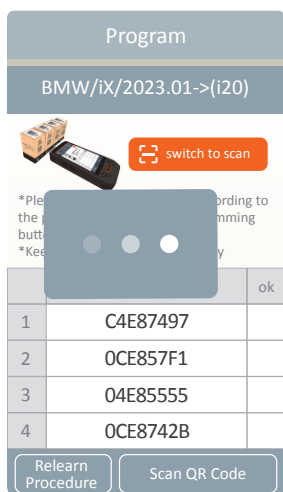
Programming completed
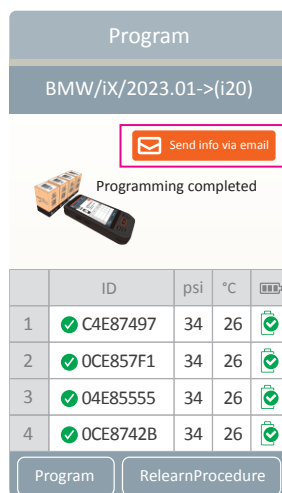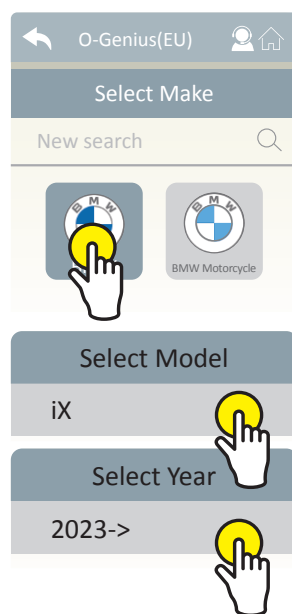
Click "Send info via email" can keep the programming data(ID number, tire pressure, MMY, Time) to your mail.
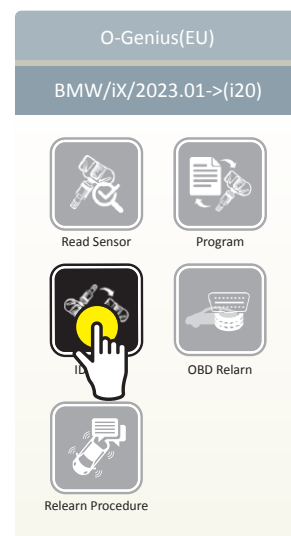
	ID	psi	°C	
1	✓ C4E87497	34	26	
2	✓ 0CE857F1	34	26	
3	✓ 04E85555	34	26	
4	✓ 0CE8742B	34	26	

Program   RelearnProcedure

ID-Copy- Single program

1 Select vehicle by different methods.

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

*note1 (page 4)

*Note 2 (Page 5)

Vehicle ___ion

Scan OSOM QR Code

My History

OSOM Tire Storage

Setting

2 Select Make, Model, Year

O-Genius(EU)

Select Make

New search

BMW Motorcycle

Select Model

iX

Select Year

2023->

3 Select "ID Copy"

O-Genius(EU)

BMW/iX/2023.01->(i20)

Read Sensor

Program

ID ___

OBD Relarn

Relearn Procedure

4 Select "Single Program"

ID Copy

BMW/iX/2023.01->(i20)

Single program

Mult-program

5 Select "Read Sensor"

ID Copy

BMW/iX/2023.01->(i20)

*Multiprogramming you have to align the box as shown
*Keep other sensor 2 meters away

	Original	New	OK
1			

key in   Read S___

6 Click "ID Copy"

ID Copy

BMW/iX/2023.01->(i20)

*Multiprogramming you have to align the box as shown
*Keep other sensor 2 meters away

	Original	New	OK
1	C6600851		
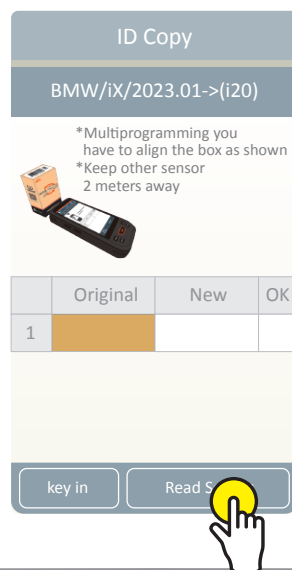
ID Copy

7 Completed

ID Copy

BMW/iX/2023.01->(i20)

*Multiprogramming you have to align the box as shown
*Keep other sensor 2 meters away

	Original	New	OK
1	C6600851	C6600851	✅

Select vehicle   ID Copy again

ID-Copy- multi program

1 Select vehicle by different methods.

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

*note1 (page 4)

*Note 2 (Page 5)

Vehicle Selection | Scan OSOM QR Code

OSOM

My History | OSOM Tire Storage

Setting

2 Select Make, Model, Year

O-Genius(EU)

Select Make

New search

BMW | BMW Motorcycle

Select Model

iX

Select Year

2023->

3 Select "ID Copy"

O-Genius(EU)

BMW/iX/2023.01->(i20)

OBD Relearn

Select "Multi Program"

ID Copy

BMW/iX/2023.01->(i20)

Single porgram

Multi-porgram
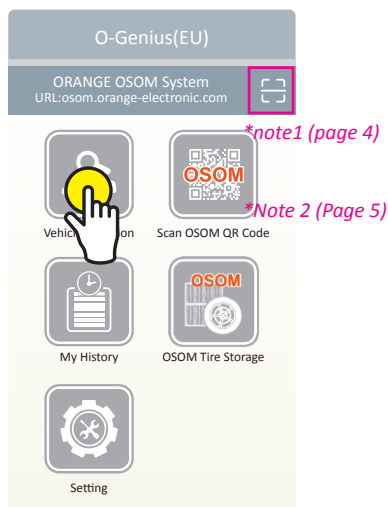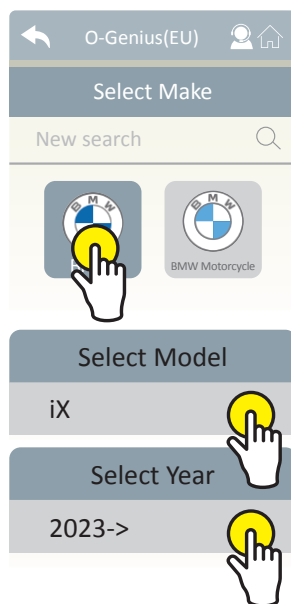
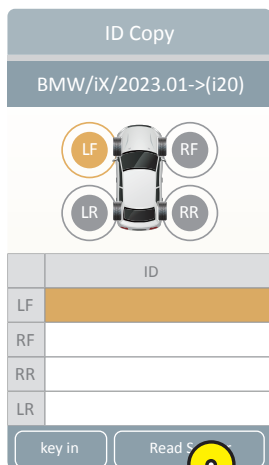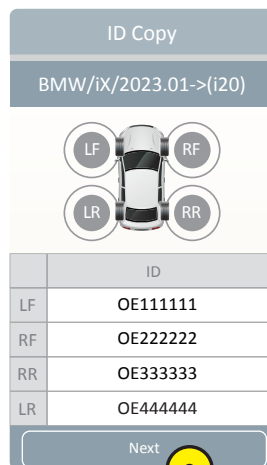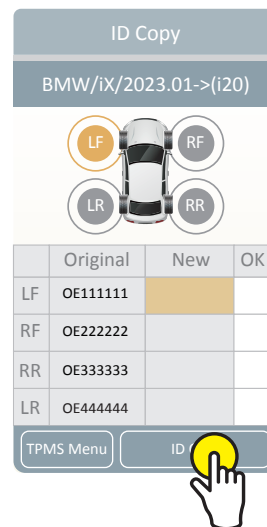## 4 Read sensor ID

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

ID Copy

BMW/iX/2023.01->(i20)

	ID
LF	
RF	
RR	
LR	

key in | Read Sensor

5 Select "Next"

ID Copy

BMW/iX/2023.01->(i20)

	ID
LF	OE111111
RF	OE222222
RR	OE333333
LR	OE444444

Next

6 Select "ID Copy"

ID Copy

BMW/iX/2023.01->(i20)

	Original	New	OK
LF	OE111111		
RF	OE222222		
RR	OE333333		
LR	OE444444		

TPMS Menu | ID

7 Select next tire position and click "ID Copy"

ID Copy

BMW/iX/2023.01->(i20)

	Original	New	OK
LF	OE111111	OE111111	✅
RF	OE222222		
RR	OE333333		
LR	OE444444		

TPMS Menu | ID Copy

8 Completed

ID Copy

BMW/iX/2023.01->(i20)

	Original	New	OK
LF	OE111111	OE111111	✅
RF	OE222222	OE222222	✅
RR	OE333333	OE333333	✅
LR	OE444444	OE444444	✅

TPMS Menu

Retrieve ID

1   Select vehicle by different methods.

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

note1 (page 4)

OSOM

Note 2 (Page 5)

Vehicle ... ion   Scan OSOM QR Code

My History   OSOM Tire Storage

Setting

2   Select Make, Model, Year

O-Genius(EU)

Select Make

New Search

TO...

Select Model

86

Select Year

2017-2020

3   Select "Retrieve ID"

O-Genius

Toyota/86/2017-2020

Read Sensor   Program

ID Copy   OBD Relearn

R...   Write ID
(Direct fit Sensor)

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"

Retrieve ID

Select Device

Orange_OBD26DE94
00:C0:BF:26:DE:95

Cancel

5   OBD reads Original Sensor ID

Retrieve ID

Toyota/86/2017-2020

LF   RF

Waiting...

	Original	New	OK
LF			
RF			
RR			
LR			

Done   ID Copy

6   Remove OBD device

Retrieve ID

Toyota/86/2017-2020

LF   RF

Please remove OBD device

	Original	New	OK
LF	OR12999		
RF	OR128888		
RR	OR127777		
LR	OR126666		

Done   ID Copy

7   Select "ID Copy"

Retrieve ID

Toyota/86/2017-2020

LF   RF
LR   RR

	Original	New	OK
LF	OR129999		
RF	OR128888		
RR	OR127777		
LR	OR126666		

Done   ID Copy

8   Select next tire position and click "ID Copy"

Retrieve ID

Toyota/86/2017-2020
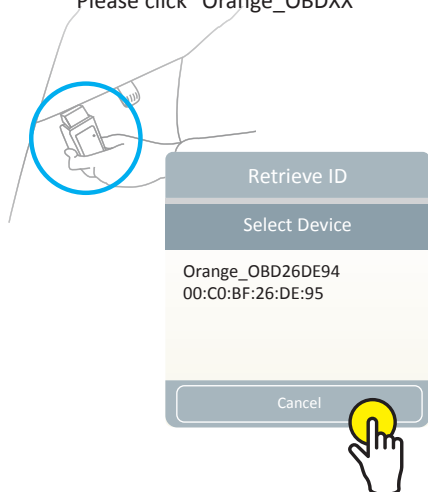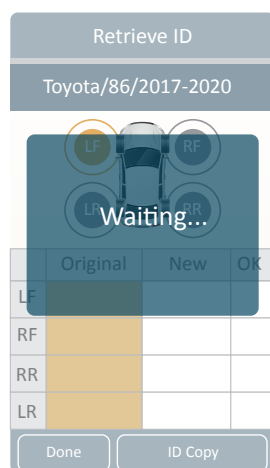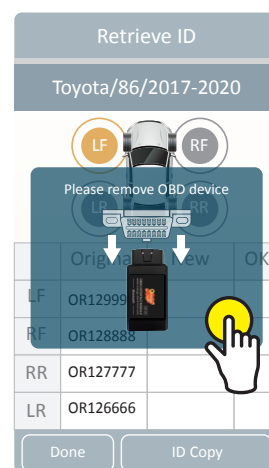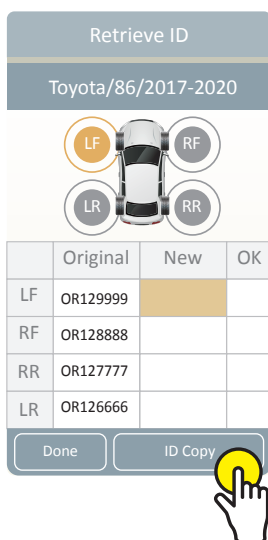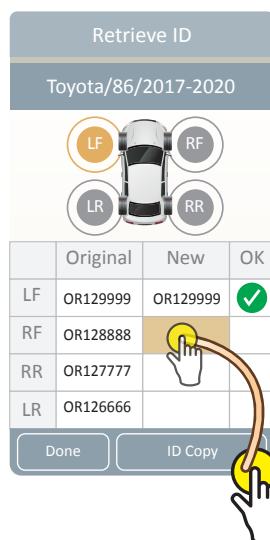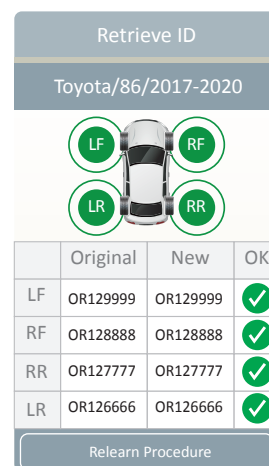
LF   RF
LR   RR

	Original	New	OK
LF	OR129999	OR129999	✅
RF	OR128888		
RR	OR127777		
LR	OR126666		

Done   ID Copy

9   Completed

Retrieve ID

Toyota/86/2017-2020

LF   RF
LR   RR

	Original	New	OK
LF	OR129999	OR129999	✅
RF	OR128888	OR128888	✅
RR	OR127777	OR127777	✅
LR	OR126666	OR126666	✅

Relearn Procedure

OBD Relearn

1 Select vehicle by different methods.

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

*note1 (page 4)

*Note 2 (Page 5)

Vehicle Selection   Scan OSOM QR Code
OSOM

My History   OSOM Tire Storage
OSOM

Setting

2 Select Make, Model, Year

O-Genius(EU)

Select Make

New Search

TOYOTA

Select Model

86

Select Year

2017-2020

3 Select "OBD Relearn"

O-Genius

Toyota/86/2017-2020

Read Sensor   Program

ID Copy   OSOM Tire Storage
OSOM

Retrieve ID

4 Select "OBD Relearn"

OBD Relearn

Toyota/86/2017-2020

Relearn mode	OBD Relearn
OE Part#	42607-02031
Orange Sensor	SP201
Step.	

OBD Relearn

Menu   OBD Relearn

5 Select the Number of Tires

OBD Relearn

Select the Number of Tires

4 tires

4 tires & Spare tire

6 Select "Read Sensor"

OBD Relearn

Toyota/86/2017-2020

LF   RF
LR   RR

	ID
LF	
RF	
RR	
LR	
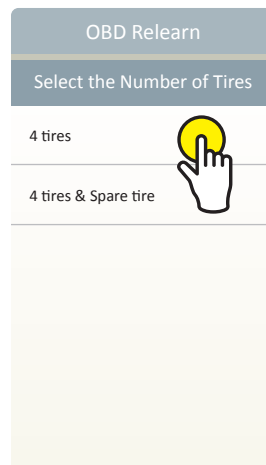
Key in   Read Sensor

7 Select "Start Transfer"

OBD Relearn

Toyota/86/2017-2020

LF   RF
LR   RR

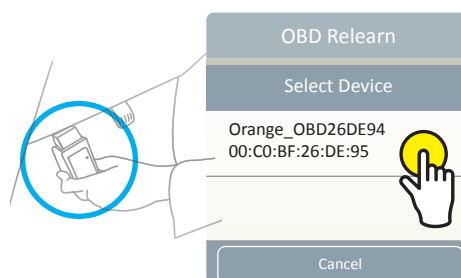|	ID
LF	OR129999
RF	OR128888
RR	OR127777
LR	OR126666
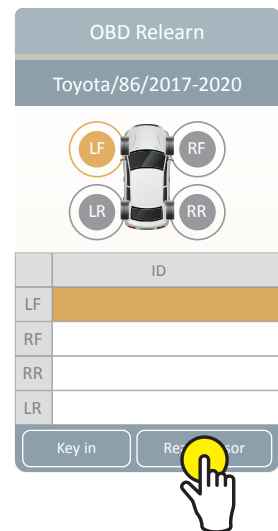
Start Transfer
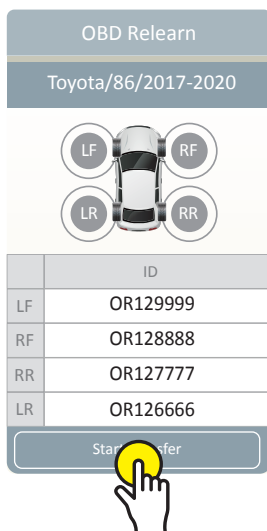
8 Connect to OBD

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

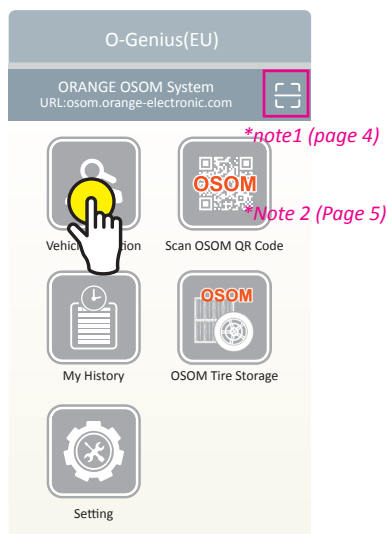*Sensor ID and Tire position data are transferred to OBD separately.

OBD Relearn
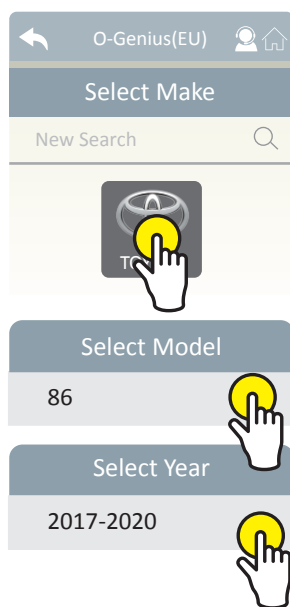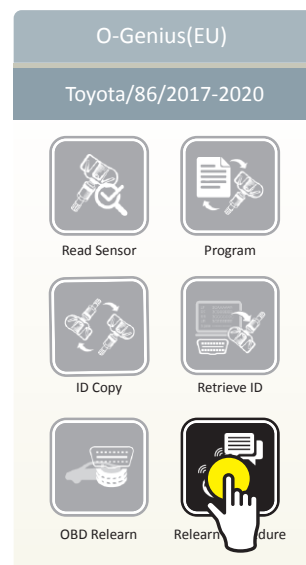
Select Device

Orange_OBD26DE94
00:C0:BF:26:DE:95

Cancel

9 Completed

OBD Relearn

Toyota/86/2017-2020

LF   RF

Please remove OBD device
LF   RR

	Original	New	OK
LF	OR129999	OR129999	✅
RF	OR128888	OR128888	✅
RR	OR127777	OR127777	✅
LR	OR126666	OR126666	✅

Relearn Procedure

Relearn Procedure

1 Select vehicle by different methods.

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

note1 (page 4)

Note 2 (Page 5)

OSOM

OSOM

Vehicle ~~tion~~   Scan OSOM QR Code

My History   OSOM Tire Storage

Setting

2 Select Make, Model, Year

O-Genius(EU)

Select Make

New Search

TO~~~~

Select Model

86

Select Year

2017-2020

3 Select "Relearn Procedure"

O-Genius(EU)

Toyota/86/2017-2020

Read Sensor   Program

ID Copy   Retrieve ID

OBD Relearn   Relearn ~~dure~~

4 Completed

Relearn Procedure

Toyota/86/2017-2020

Relearn mode	OBD Relearn
OE Part#	42607-02031
Orange Sensor	SP201

Step.

OBD Relearn

Auto Relearn

OSOM Tire Storage

1 Select "OSOM Tire Storage"

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

note1 (page 4)

Vehicle Selection

Scan OSOM QR Code

Note 2 (Page 5)

My History

OSOM Tire Storage

Setting
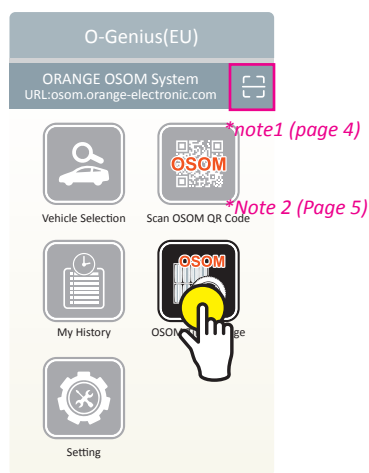
2 Select "Reservation List"

OSOM Tire Storage

Reservation list

Create Customers Info

Customer Search

Records

3 Select "Next"

OSOM Tire Storage

2025/10/15

No.01	
License Plate	OMG-4554
Vehicle Owner	Amber Su
Reservation Time	19:30
Reservation Type	
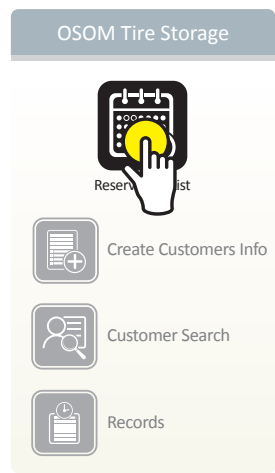
Next
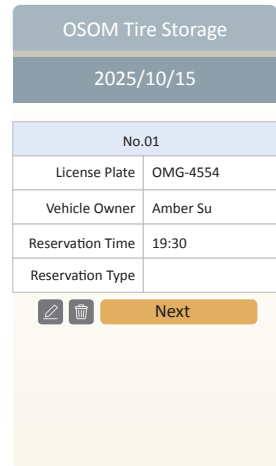
4 Check reservation list

OSOM Tire Storage

Reservation List

Confirm Information

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

Menu | Next, tire information
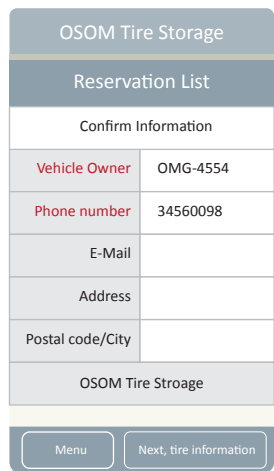
5 Check tire information

OSOM Tire Storage

Tire Information

○ Same for all 4 wheels

○ Same for all front wheels

○ Same for all rearwheels

LF

Bridgestone ▼

Model

30 ▼ / 25 R 12 N ▼

Menu | Next, rim info

6 Check Rim info

OSOM Tire Storage

Rim Info

○ Same for all 4 wheels

○ Same for all front wheels

○ Same for all rearwheels

LF

Brand ▼

Steel wheel rim

30 ▼ / 25 R 12 N ▼

Menu | Next, tire

7 Enter tire depth

OSOM Tire Storage

Tire depth

LF	0	0	.	0	mm
RF	0	0	.	0	mm
RR	0	0	.	0	mm
LR	0	0	.	0	mm

Menu | Next, Photo

8 Take a photo of tire

OSOM Tire Storage

Tire photo

LF	
RF	
RR	
LR	

Menu | Next, DOT serial

9 Enter DOT Serial Number

OSOM Tire Storage

DOT Serial Number

Tire Identification Number(DOT)

LF	
RF	
RR	
LR	

Menu | Next, tire pressure information

10 Select "Read sensor"

Read Sensor			
BMW/iX/2023.01->(i20)			

Not all of the OE sensors contain temperature and battery status

	ID	psi	°C	🔋
LF				
RF				
RR				
LR				

Read Sensor

11 Select "Next"

Read Sensor			
BMW/iX/2023.01->(i20)			

Not all of the OE sensors contain temperature and battery status

	ID	psi	°C	🔋
LF	0CE8742B	34	26	OK
RF	0CE8753B	34	26	OK
RR	0CE8767B	34	26	OK
LR	0CE8787B	34	26	OK

Menu | Next

12 Select "Save"

OSOM Tire Storage	
Reservation List	
Confirm Information	
Vehicle Owner	OMG-4554
Phone number	34560098
E-Mail	
Address	
Postal code/City	
OSOM Tire Stroage	

Edit | Save
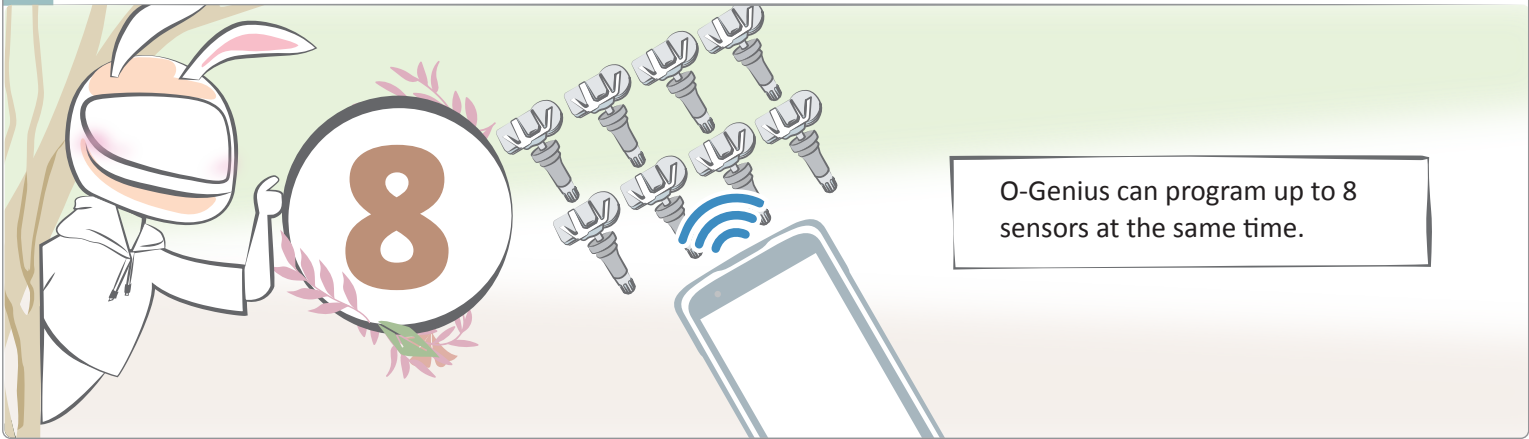
13 Completed

OSOM Tire Storage

Reservation List
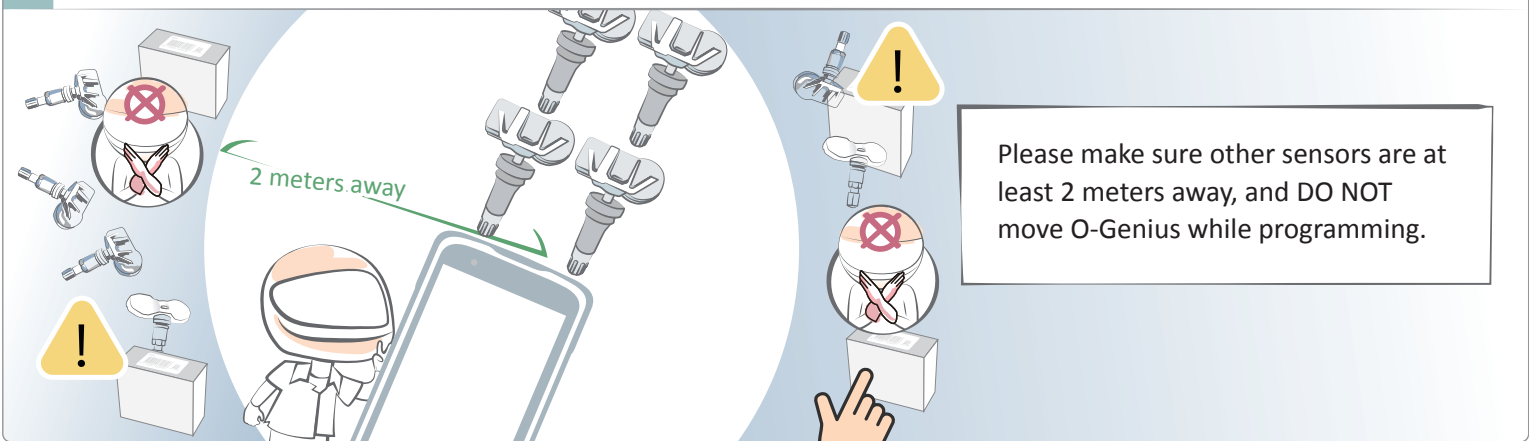
Create Customers Info

Customer Search

Records

FAQ

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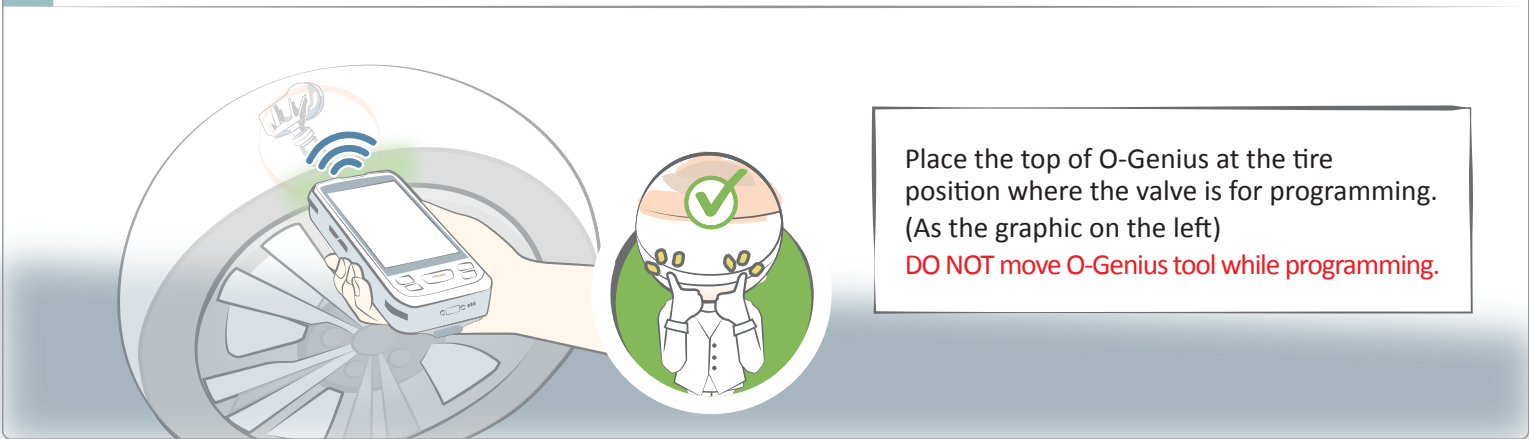
3 Program failure. Sensor is not mounted inside the tire.

2 meters away

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

ID:3E43 8888

ID:3E43 5555

2 meters away

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.

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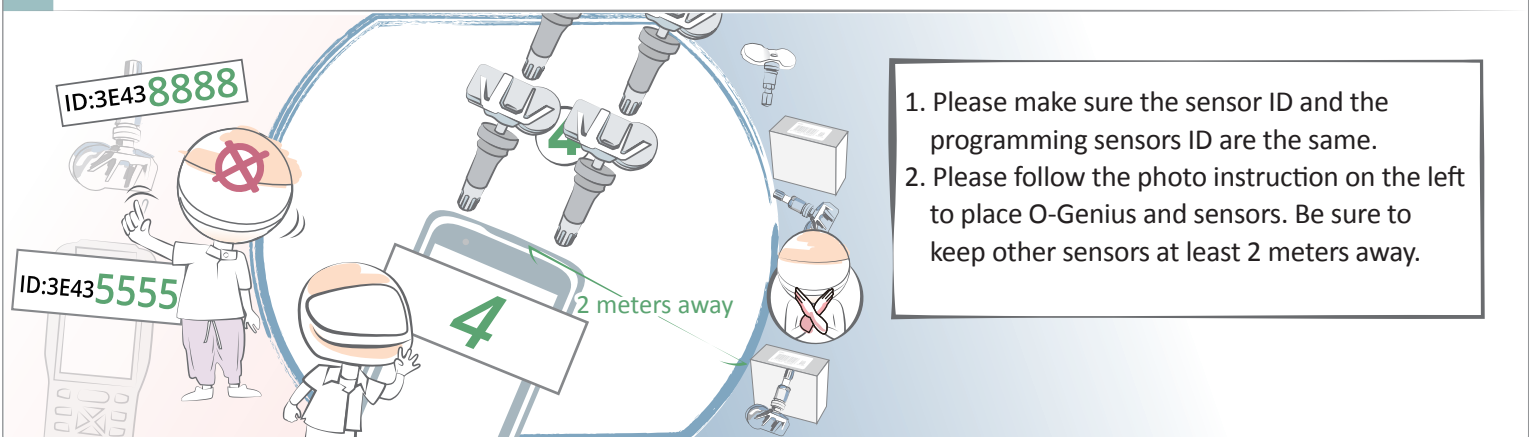
5   Is it also possible to do the OBD transfer with "Retrieve ID"?

ID: 111111AA   ID: 111111BB

OBD

ID: 111111CC   ID: 111111DD
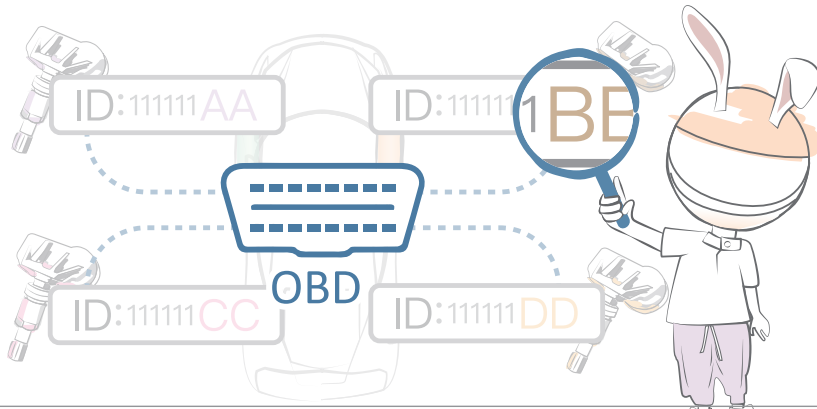
No, "Retrieve ID"only reads the sensor ID number from ECU.
If sensor ID number need to be modify from ECU, please use OBD relearn procedure.

6   What is the functionality of "Retrieve ID"?

ID: 111111BB

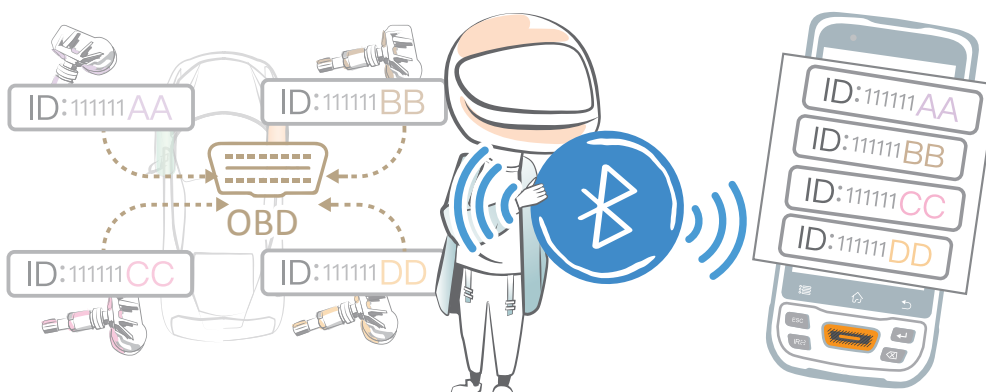OBD

ID: 111111DD

ID

ID: 111111BB
ID: 111111DD
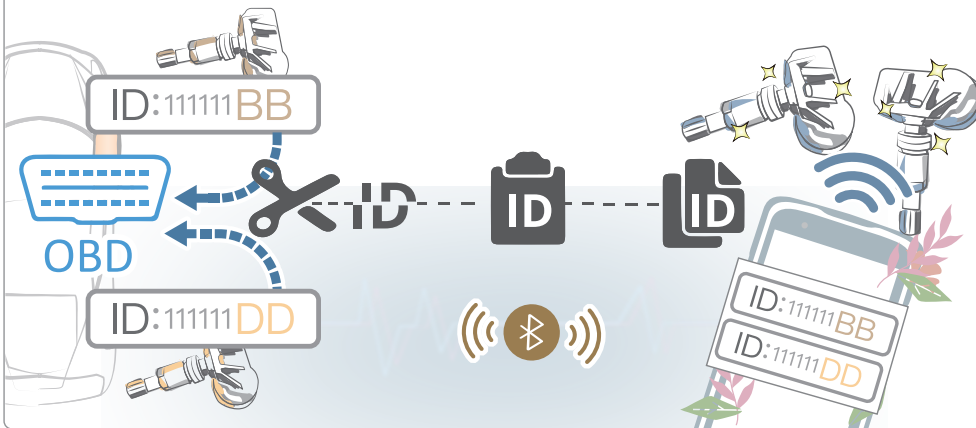
Using OBD to read the sensor ID number from ECU and copy the ID number to Orange sensor.

7   (OBD Relearn/ Retrieve ID)   OBD bluetooth disconnected.
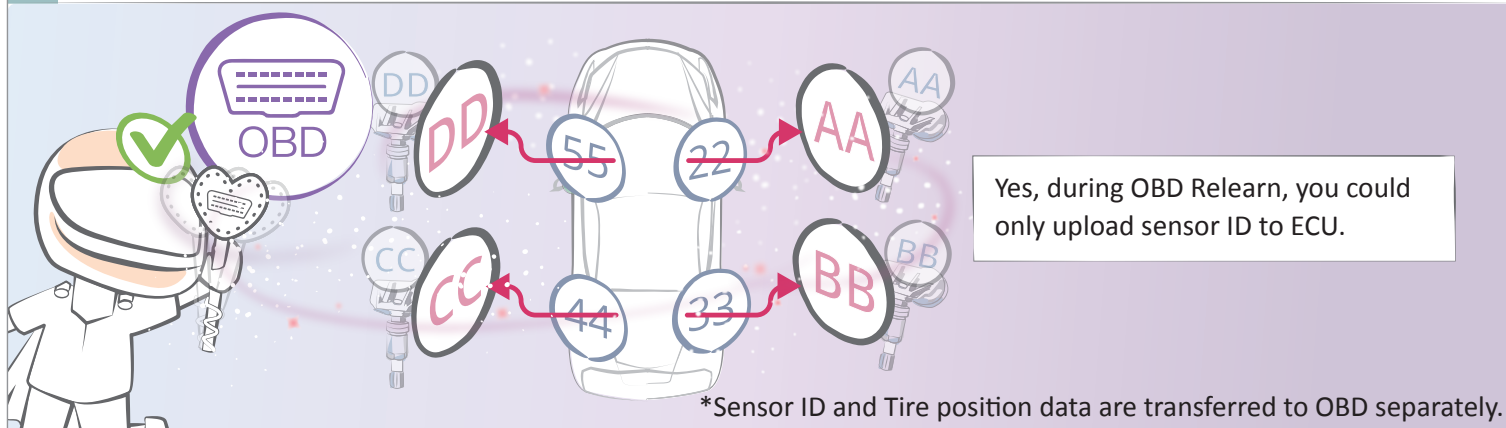
1   2
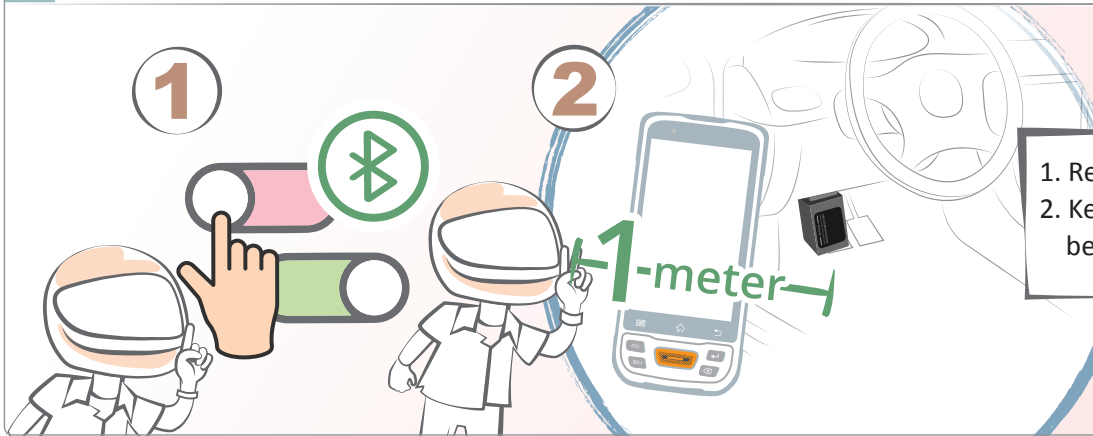
1-meter

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?

ID: 111111AA   ID: 111111BB

OBD

ID: 111111CC   ID: 111111DD

ID: 111111AA
ID: 111111BB
ID: 111111CC
ID: 111111DD

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.
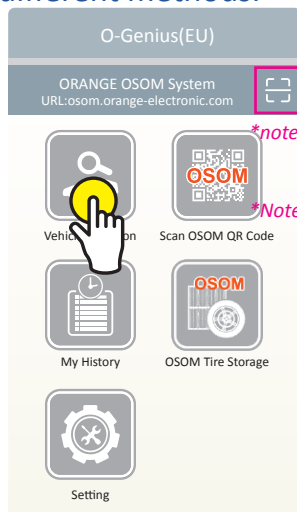Or you may go to the "setting", and choose "update", and doing the update manually.
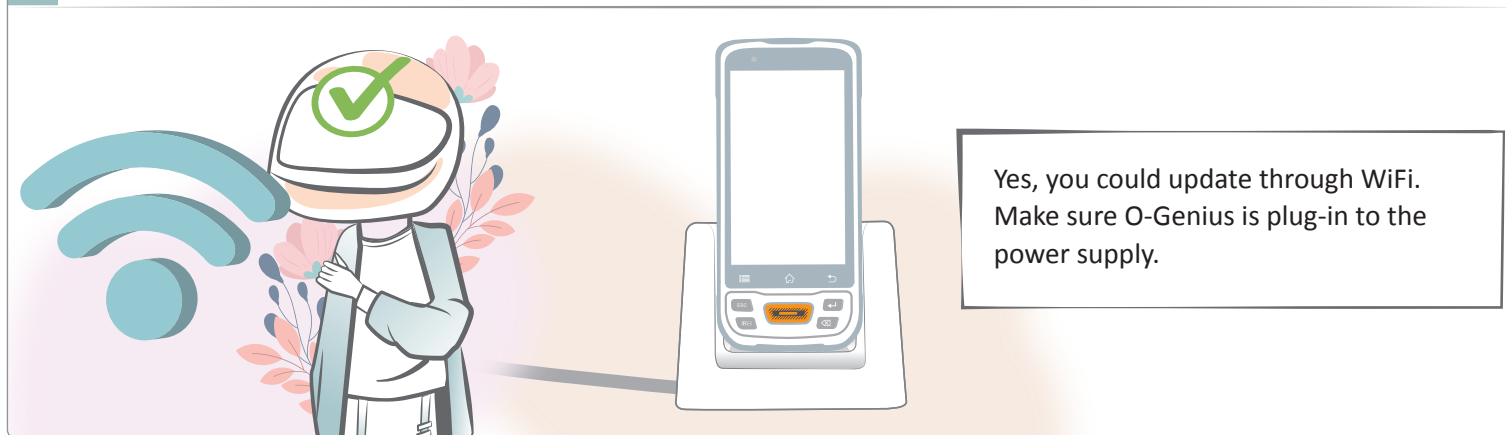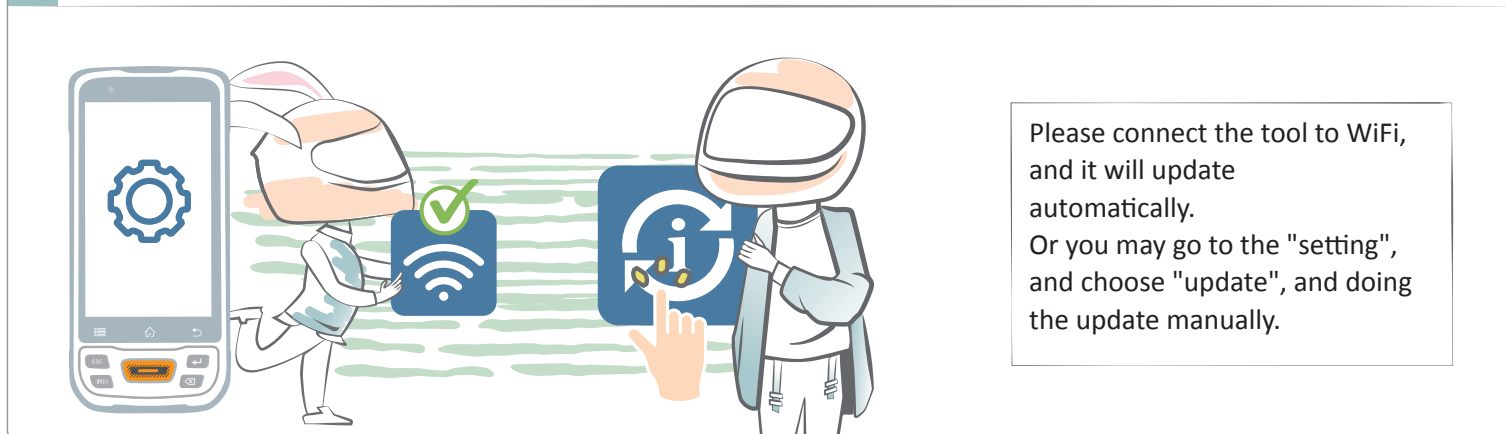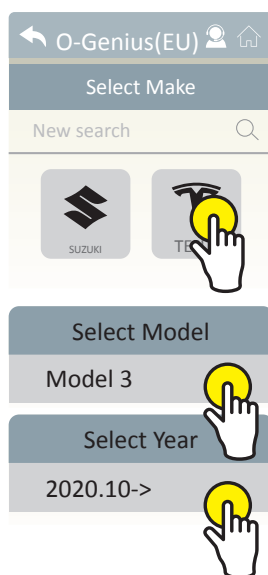
| 13 | Can O-Genius be used without WiFi? |

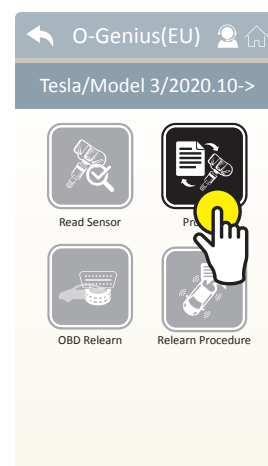Yes, but it is recommended to connect O-Genius to Wi-Fi periodically, to make sure system is up to date.

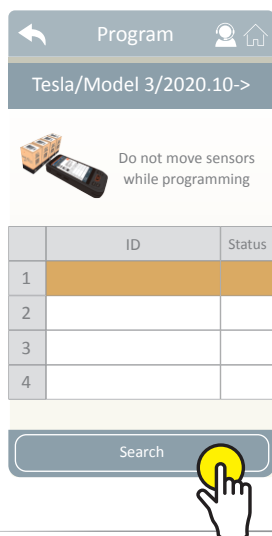# Updadte TPMS

1 Select vehicle by different methods.

O-Genius(EU)

ORANGE OSOM System
URL:osom.orange-electronic.com

*note1 (page 4)

*Note 2 (Page 5)

Vehicle ... ion Scan OSOM QR Code

My History OSOM Tire Storage

Setting

2 Select Make, Model, Year

O-Genius(EU)

Select Make

New search

SUZUKI TE...

Select Model

Model 3

Select Year

2020.10->

3 Select "Program"

O-Genius(EU)

Tesla/Model 3/2020.10->

Read Sensor Pro...

OBD Relearn Relearn Procedure

4 Select "Search"

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

Program

Tesla/Model 3/2020.10->

Do not move sensors while programming

	ID	Status
1		
2		
3		
4		

Search

5 Select next tire and press "Search"

Follow the same step until search all sensor IDs.

Program

Tesla/Model 3/2020.10->

Do not move sensors while programming

	ID	Status
1	60C0BF3E1B86	
2		
3		
4		

Search Program
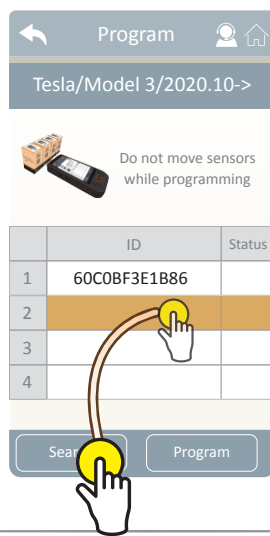
6 Get All sensor IDs

Press "Program" to update.

Program

Tesla/Model 3/2020.10->

Do not move sensors while programming

	ID	Status
1	60C0BF3E1B86	
2	60C0BF3E2B87	
3	70C0BF3E1B62	
4	86C0BF3E2B55	

Search Program

7 Completed

Program

Tesla/Model 3/2020.10->

Do not move sensors while programming

	ID	Status
1	60C0BF3E1B86	✅
2	60C0BF3E2B87	✅
3	70C0BF3E1B62	✅
4	86C0BF3E2B55	✅

Search

Contents