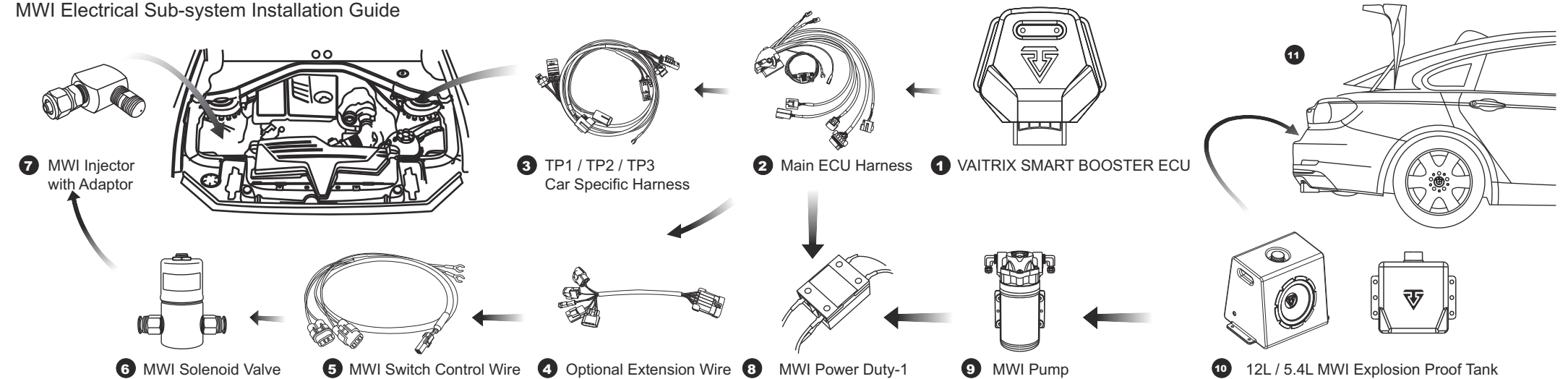
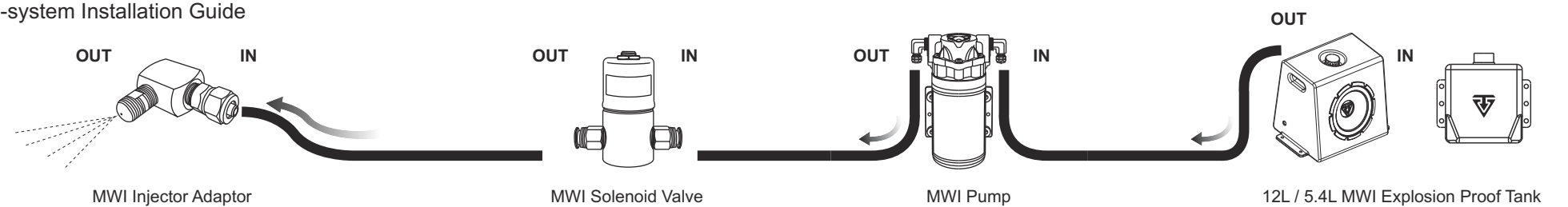


## SMART BOOST Methanol/Water Injection Kit Installation

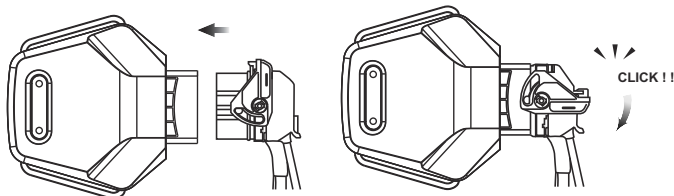
### MWI Electrical Sub-system Installation Guide



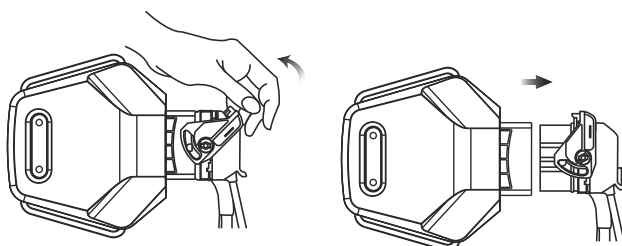
### MWI Fluid Sub-system Installation Guide



- 1** Four models of VAITRIX SMART BOOSTER are recommended to co-work with the VAITRIX MWI Kit :
- VAITRIX SMART BOOSTER PRO (Turbo Pressure and MWI)
  - VAITRIX SMART BOOSTER PLUS (Turbo Pressure and MWI)
  - VAITRIX SMART BOOSTER BASIC (Turbo Pressure only)
  - VAITRIX SMART BOOSTER MI ( MWI only)

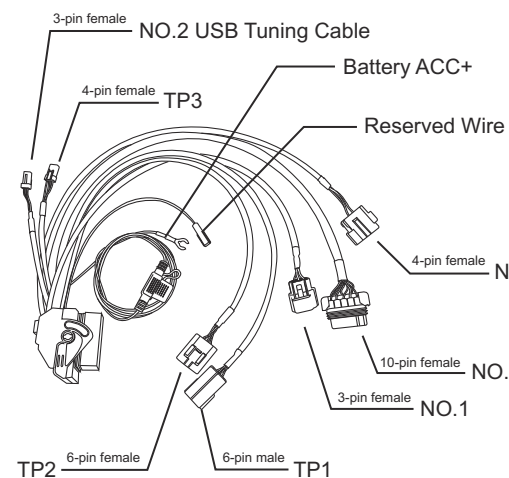


- Connect the VAITRIX SMART BOOSTER ECU with the Main ECU Harness and make sure they're tightly fitted with each other.



- Connect the VAITRIX BOOSTER ECU with the Main ECU Harness and make sure they're tightly fitted with each other.

### 2 【The Main ECU Harness】

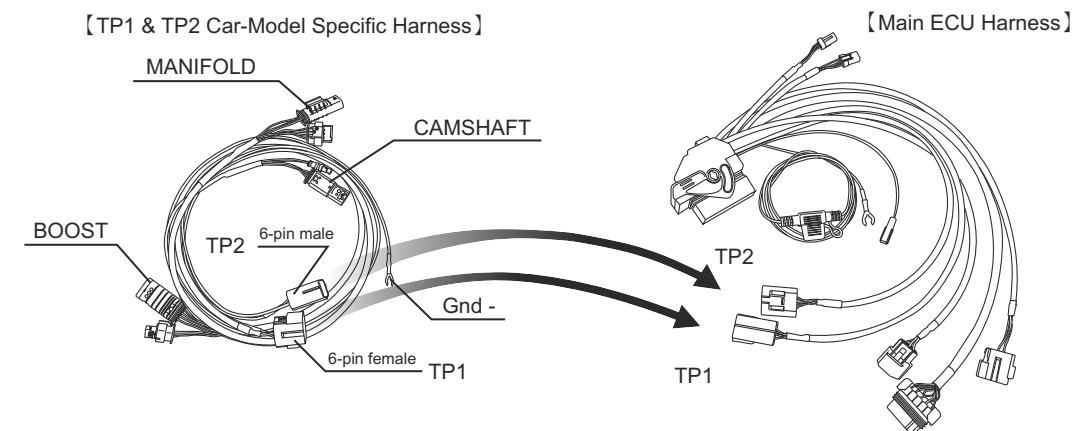


- TP1 (6-pin female) & TP2 (6-pin male) - connect to Car-Model Specific Harness
- NO.1-MWI Power Duty-1
- NO.2-USB Tuning Cable
- NO.3-Optional Extension Wire
- NO.4-Bluetooth Module
- Red Battery ACC+ Wire (Anode 12V)
- 1-pin Reserved Wire
- TP3-Car Specific Harness

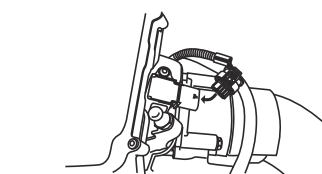
★The main ECU harness are packaged separately and are not included in the box.

### 3 【The Main ECU Harness connect with Optional Extension Wire】

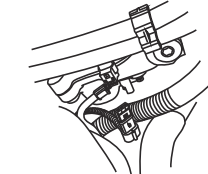
- Connect each wire of the Main Harness with the wire of the Car-Model Specific Harness with the same number label one by one.
- Connect the connectors in other end of the Car-Model Specific Harness to various devices in the engine bay. For the exact location of each device, please refer to the Tuning Installation Manual available in VAITRIX website, we will put a paper of installation guide inside the kit.



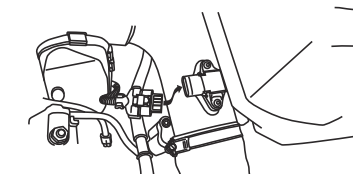
⚠ For the position of MANIFOLD 、CAMSHAFT and BOOST connector, please see the diagram attached in wire set. If you have any problem, please reconnect these three connectors to their original factory connectors.



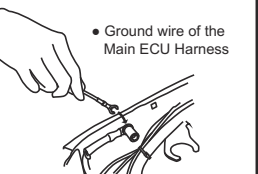
- Please refer to the Installation Manual to find the MANIFOLD sensor connector (located downstream the throttle valve) .



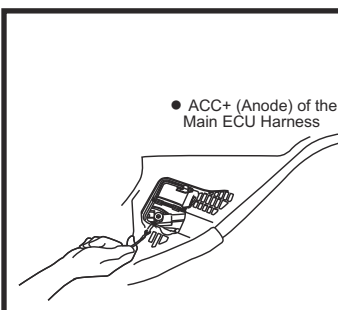
- Please refer to the Installation Manual to find the correct location of the CAMSHAFT sensor connector.



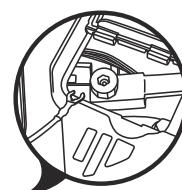
- Please refer to the Installation Manual to find the BOOST sensor connector (located upstream the throttle valve) .



- Make sure the ground wire is connected to an unpainted metal point.



- Make sure the positive terminal should be connected to the positive terminal of the battery.



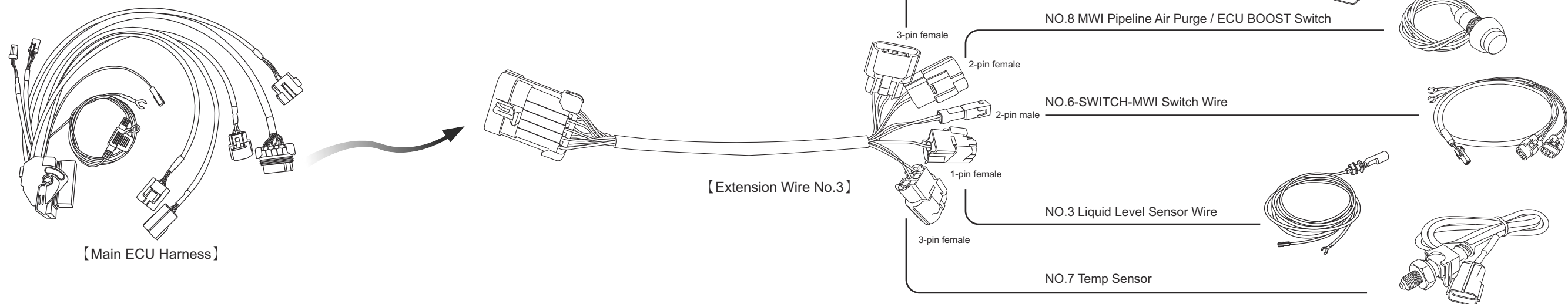
- If you encounter any problem during installation or operation :
- Remove ACC+ from the car battery to restore factory default.
  - Remove 20A fuse to restore factory default.



Please note that during installation, if the positive and negative wires contact each other or are installed in the wrong position, the internal PCB will be short-circuited and burned.

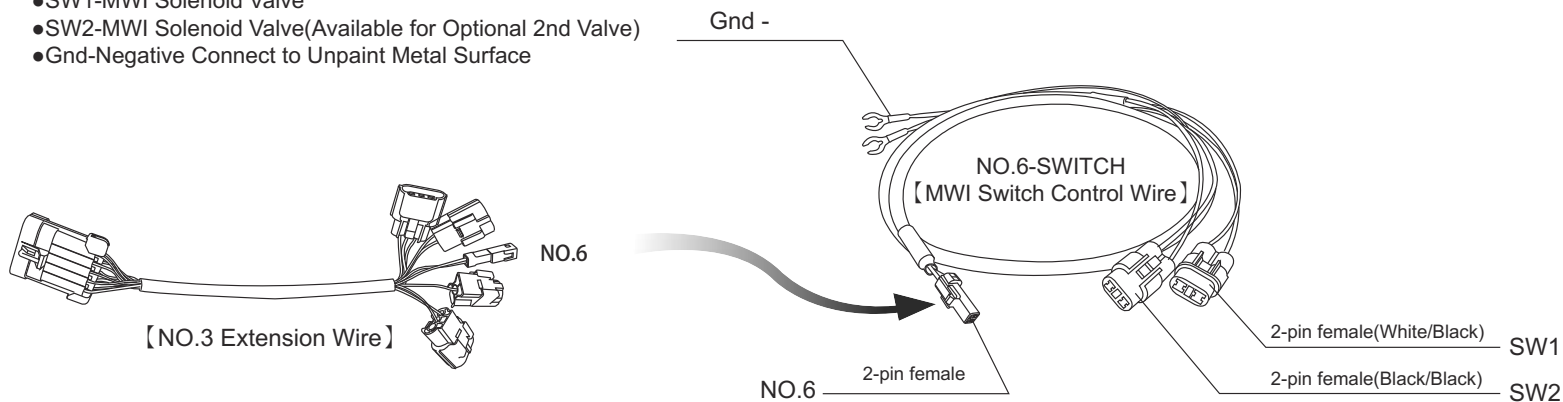
4 【Optional Extension Wire Explanation】

- Extension Wire No.3 connect with Main ECU Harness No.3

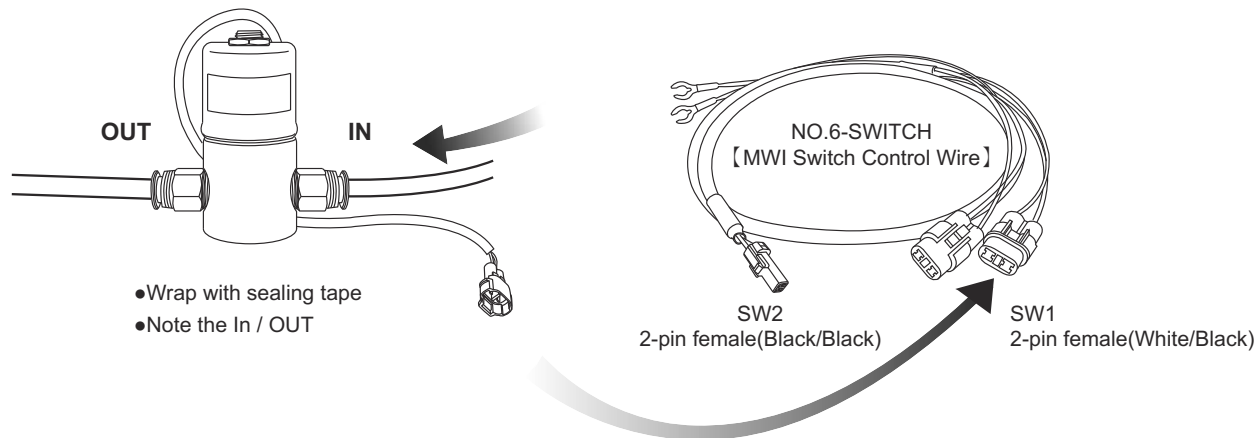


5 【MWI Switch Control Wire】

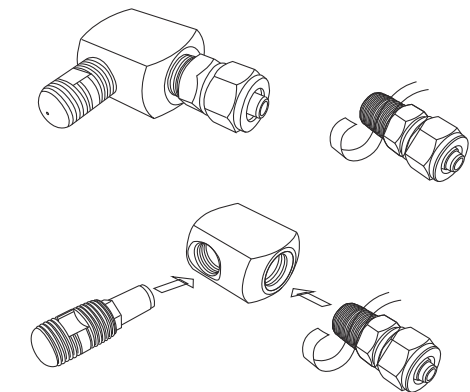
- NO.6-Extension No.6 Connect to MWI Switch Wire No.6 Connector
- SW1-MWI Solenoid Valve
- SW2-MWI Solenoid Valve(Available for Optional 2nd Valve)
- Gnd-Negative Connect to Unpaint Metal Surface



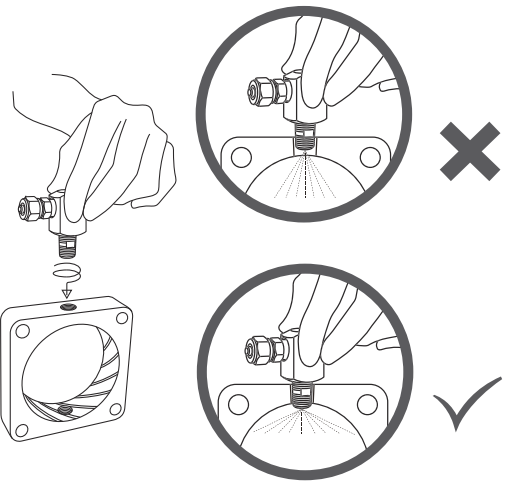
6 【MWI Solenoid Valve】



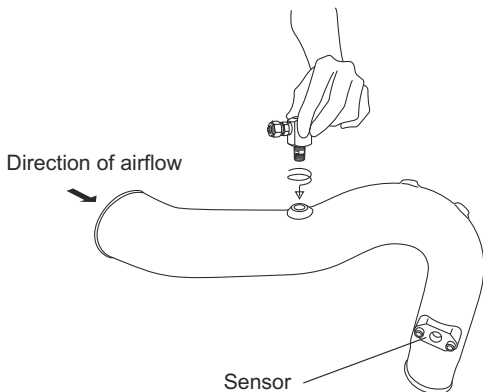
7 【MWI Injector with adaptor】



- Caution: Wrap the sealing tape in the opposite direction to the thread

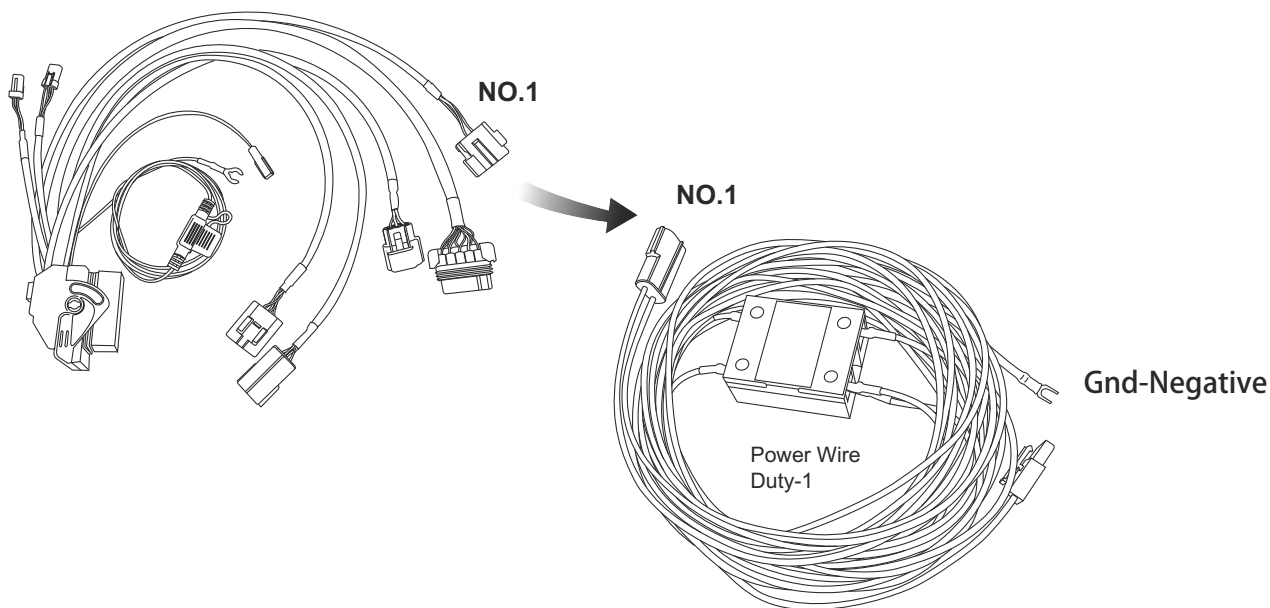


- Mounting Spacer is car-model specific. Choose correct model for your car.



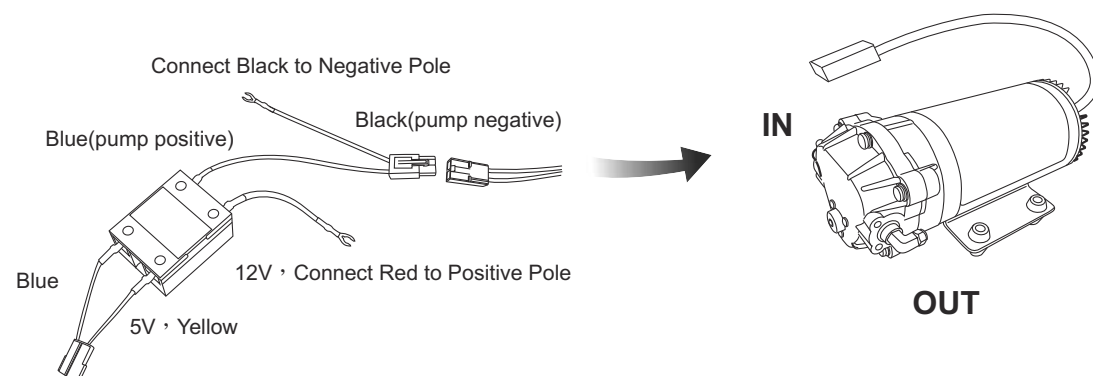
- Intercooler Charge Pipe with injector mounting point is car-model specific. Choose correct model for your car. Note: Before drilling for the injector, make sure the mounting point is upstream the sensor.

8 【MWI Power Wire Duty-1】

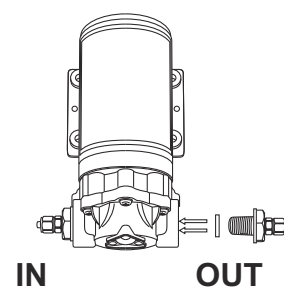




9 【MWI Power Wire Duty-1 & MWI Pump Install】



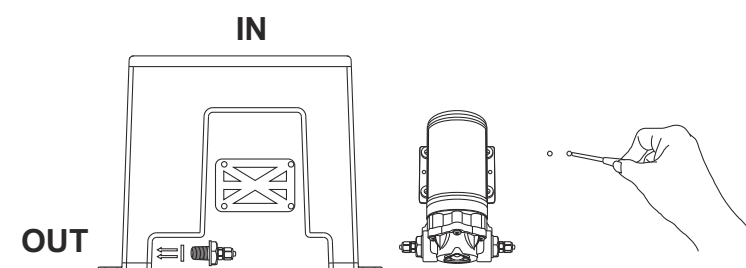
- Connected to the water spray gauge adapter cable assembly (3-pin male connector) (No.1Wire Harness)



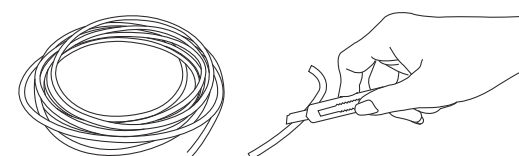
- Please pay attention to IN / OUT
- Waterproof gaskets need to be placed in the inlet/outlet holes of pump.



10 【Methanol Injection Explosion Proof Tank】



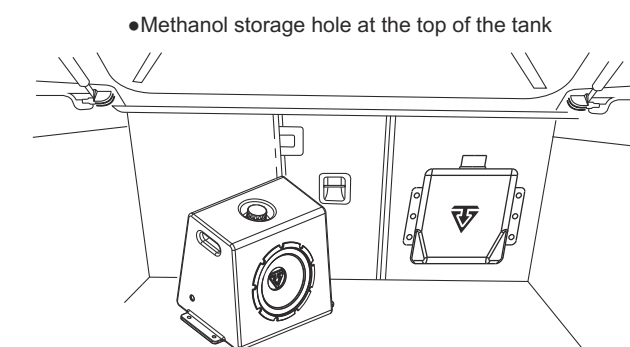
- Please pay attention to OUT.
- Waterproof gasket need to be placed in the outlet hole of methanol / water tank.
- Use screws to secure the pump onto the methanol/water tank.



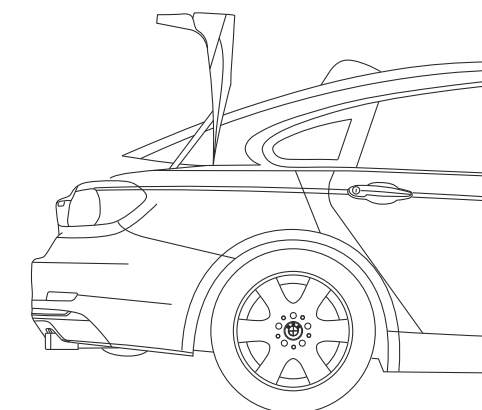
Please pay attention:

- Do not fold or press the pipe when installing, otherwise it will damage the pipe structure.
- Cut the pipe with a knife, scissors will deform the pipe.

11 【Install the tank in the trunk area】

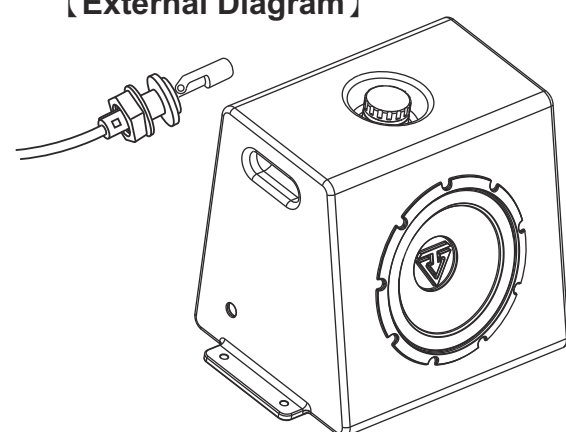


Pump towards the front of the car / logo towards the rear of the car



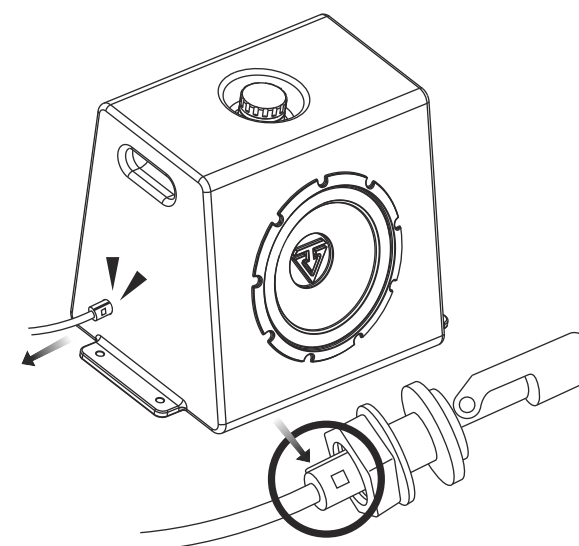
【Key Point of Install Liquid level sensor (optional)】

【External Diagram】



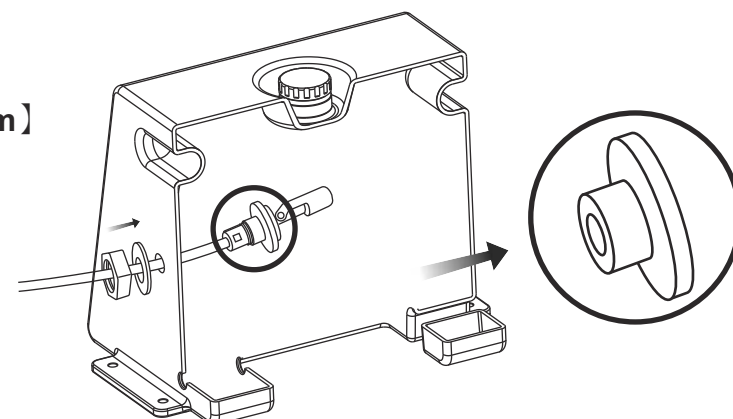
Pull out from this side.

Attention:  
The wiring harness must be installed from this side.



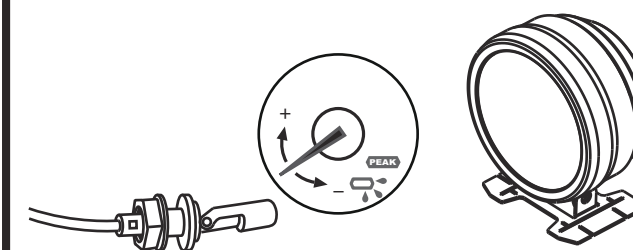
Attention:  
After locking the external protrusion, it should face upwards.

【Internal Diagram】

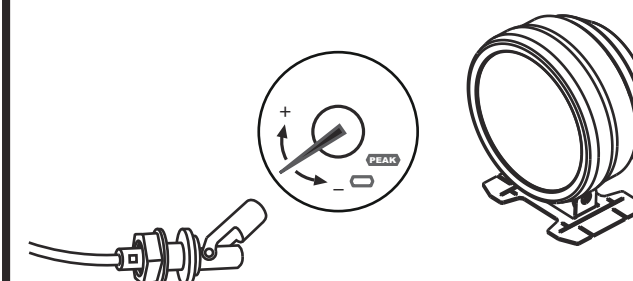


Caution:  
White sealing gasket is directional.

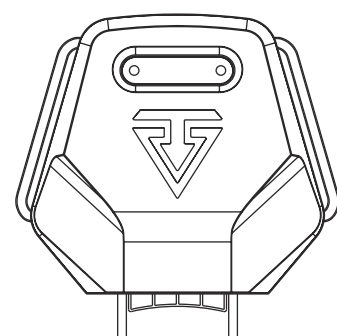
【Water tank water level and gauge display】



When there is no water, the sensor will sink, and the light will flash rapidly.

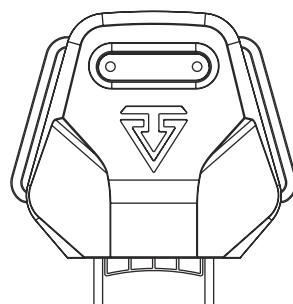


When there is water, the sensor will float, and the light will not flash.



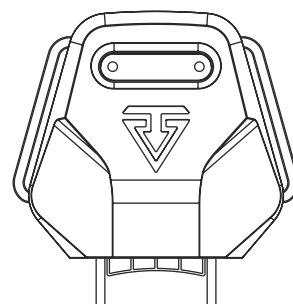
**SbPRO+**

**SMART BOOST PRO**  
Methanol Injection Control  
Power Control



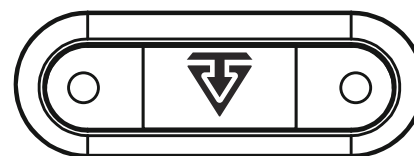
**SbPLUS**

**SMART BOOST PLUS**  
Methanol Injection Control  
Power Control



**SbMI**

**SMART BOOST MI**  
Methanol Injection Control



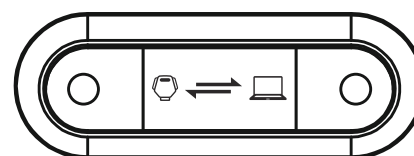
Switch on



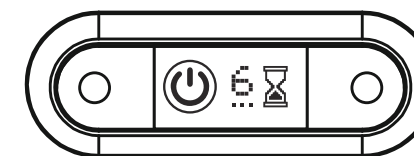
Switch on scene  
Display the version  
of SMART BOOST



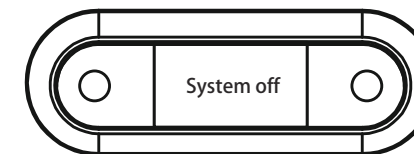
Function Mode  
Right-Prespray function  
Left-Power function



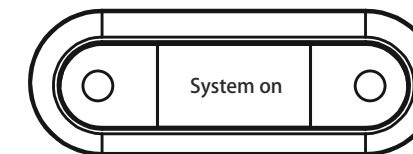
Transmission Mode  
Computer is connecting  
with equipment.



Power Mode  
Press and hold the left button for 6 seconds  
to switch off.



System off

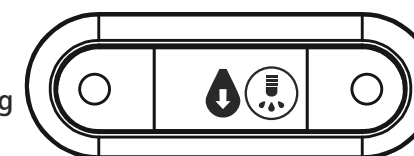


System on

Switch on/off

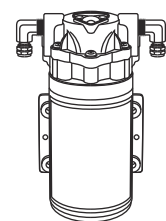


Pre-spray Mode  
Press and hold the right button, pre-spray function  
will last for six seconds.

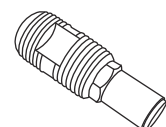


Alert Mode  
When the liquid is not enough, Low level alert  
will keep flashing, need to add  
more water/methanol.

## 【Optional】

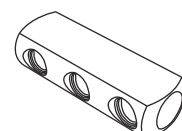


MWI Pump

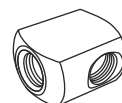


METHANOL / WATER INJECTOR

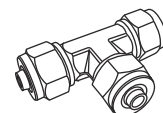
No.1 150ml/min  
No.2 350ml/min  
No.3 450ml/min  
No.4 550ml/min  
No.5 700ml/min  
No.6 900ml/min



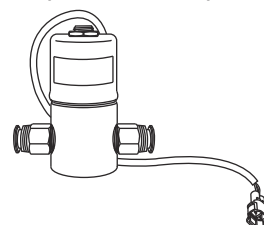
SPLITTING ADAPTOR  
I-shape 1-to-6 adaptor,  
1/8"NPT



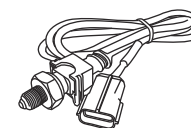
ADAPTOR  
FOR METHANOL /  
WATER INJECTOR



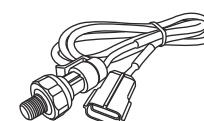
SPLITTING ADAPTOR  
T-shape 1-to-3 adaptor, 1/4"



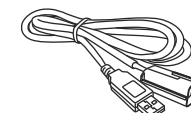
MWI Solenoid Valve



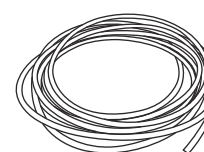
250°C/482°F  
INTAKE TEMP SENSOR



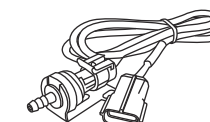
10 Bar/150 PSI  
Fuel/Oil/Map  
Air PRESSURE SENSOR



USB TUNING CABLE



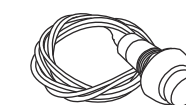
TEFLON REINFORCED HOSE  
•6m in length



4 Bar/60 PSI BOOST SENSOR



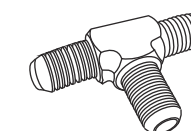
EXHAUST TEMP SENSOR



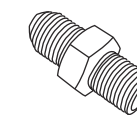
SWITCH FOR PRE-SPRAY  
SWITCH FOR PIGGYBACK



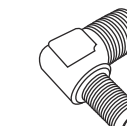
Liquid Level Sensor Wire



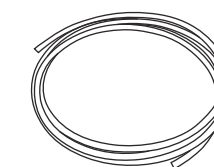
METAL HOSE FITTINGS  
T-shape 1-to-2 splitter, 1/4"



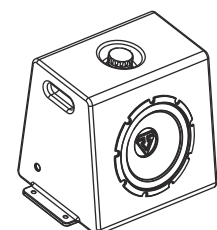
METAL HOSE FITTINGS  
• Metal fittings for braided racing hose



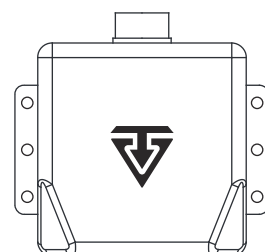
METAL HOSE FITTINGS  
L-shape 3/8" to 1/4" adaptor



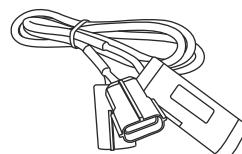
Braided Racing Hose  
TEFLON(PTFE) + SUS + PET Black Braided 1/4"  
• 6m In Length



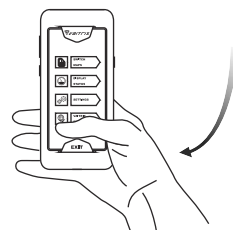
METHANOL/WATER TANK  
12L Type/3.2Gallon



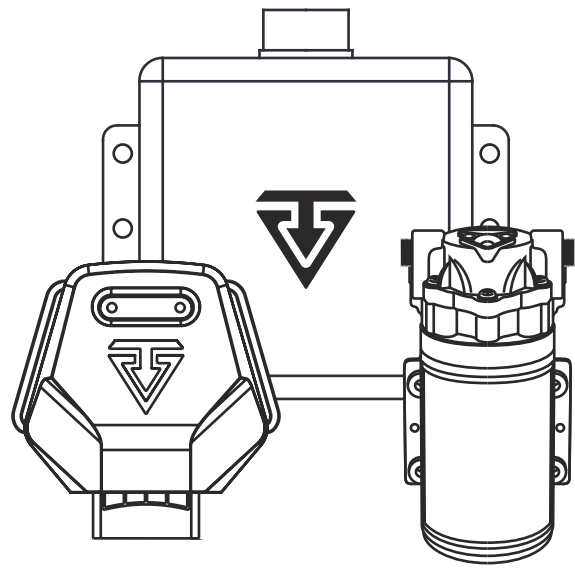
METHANOL/WATER TANK  
5.4L Type/1.4Gallon



BLUETOOTH MODULE for AirForce GO

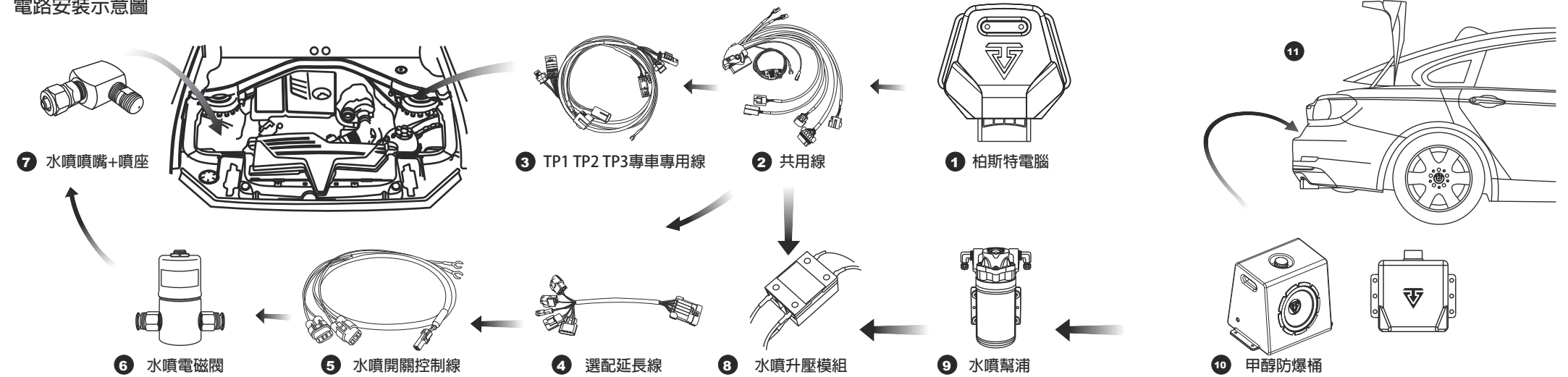


VAITRIX AirForce GO Bluetooth application  
Switching by just one click in the app.  
(Available on Android System only)  
★ Please switch the program in the range of  
excellent network signal.

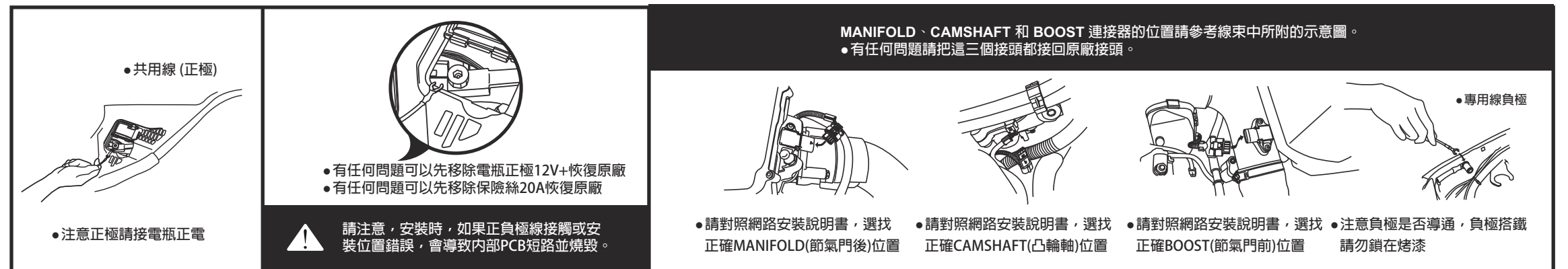
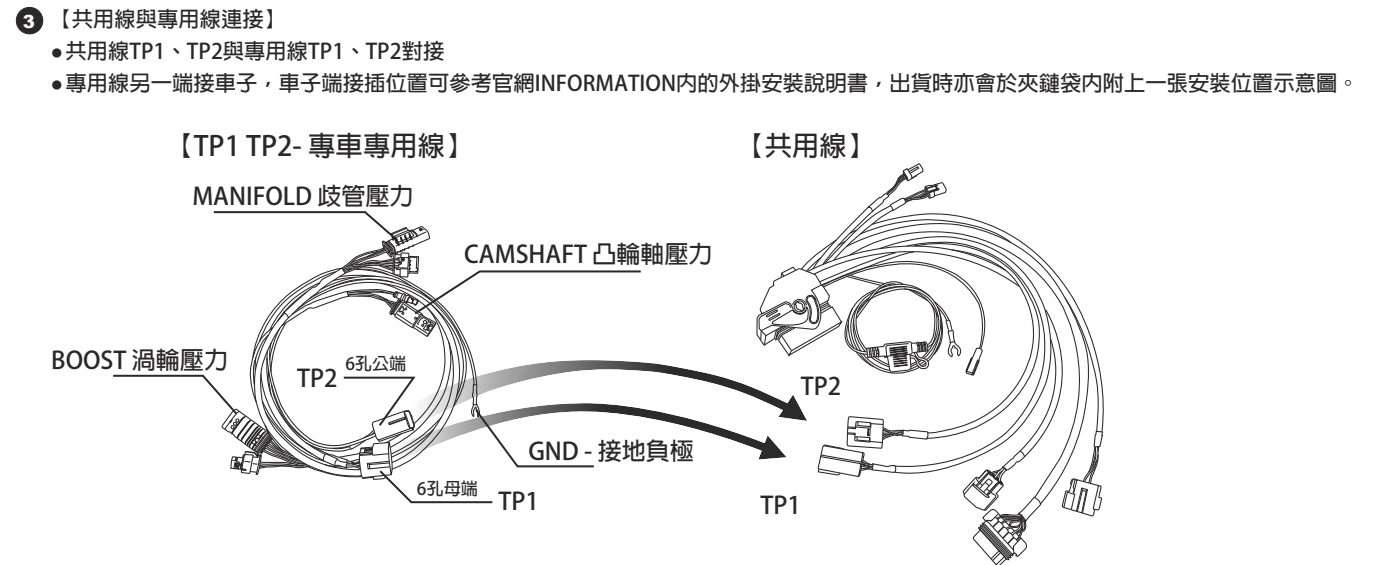
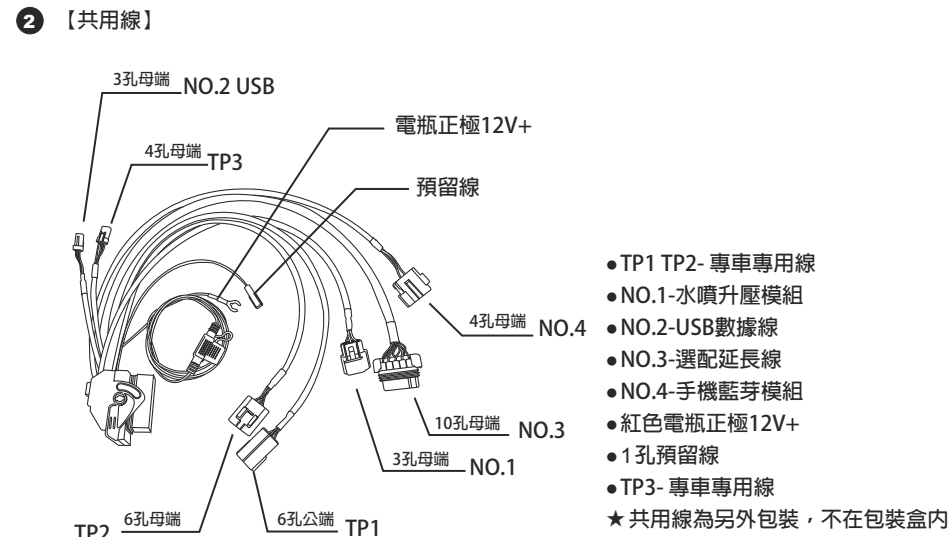
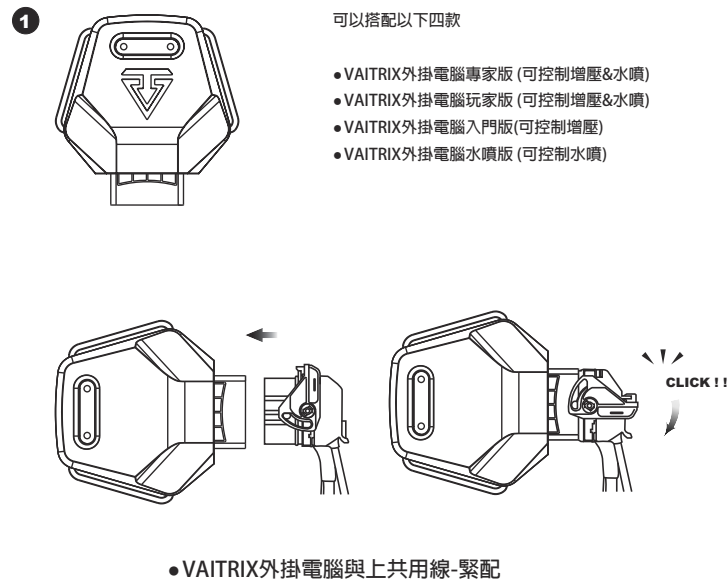
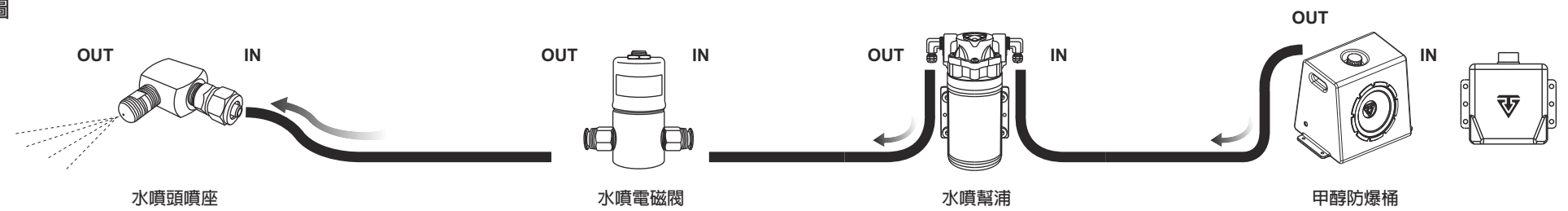


## 外掛型水噴安裝指南

### 電路安裝示意圖



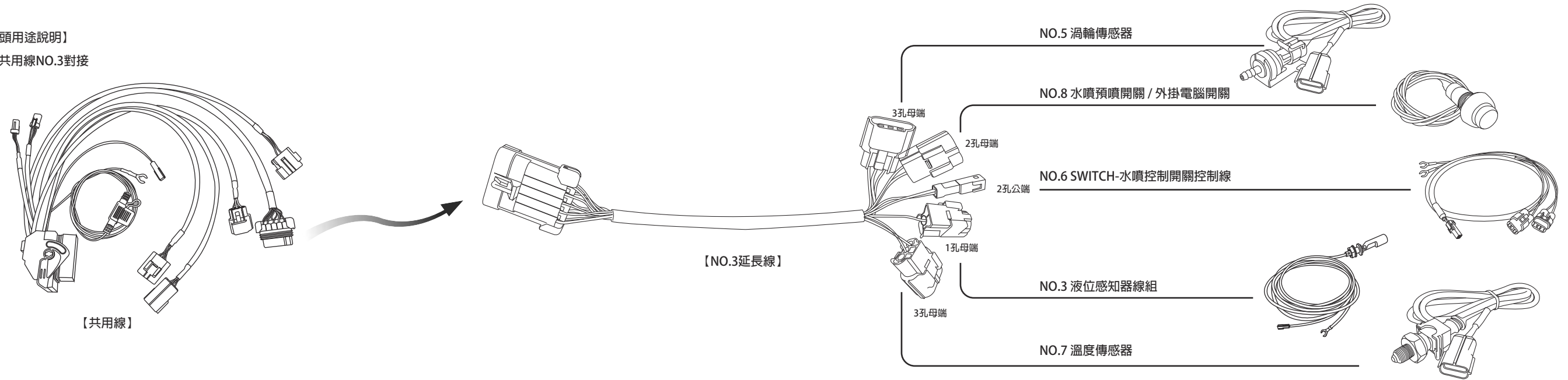
### 水路安裝示意圖





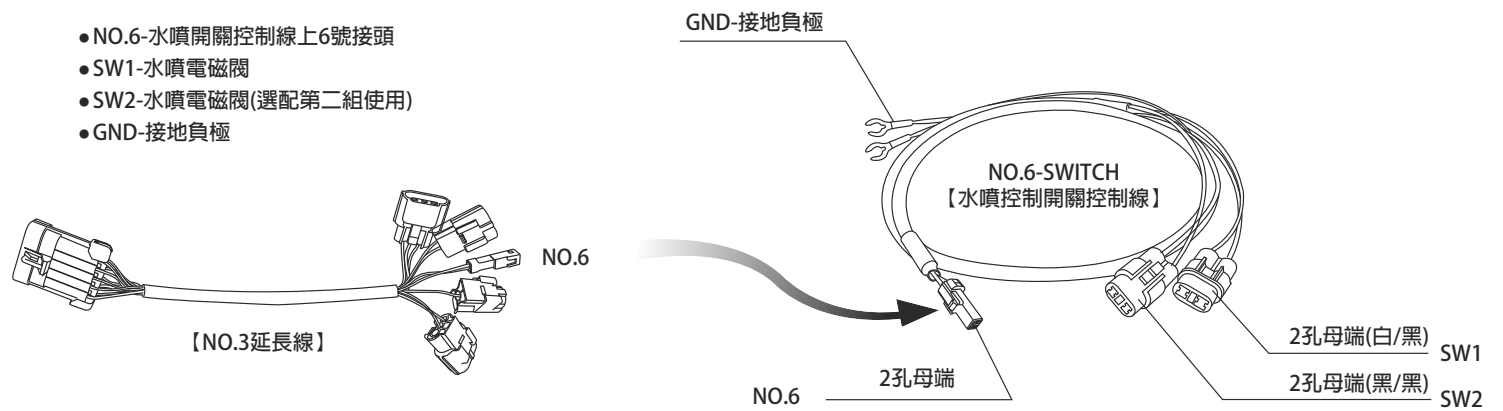
4 【選配延長線接頭用途說明】

- 延長線NO.3與共用線NO.3對接

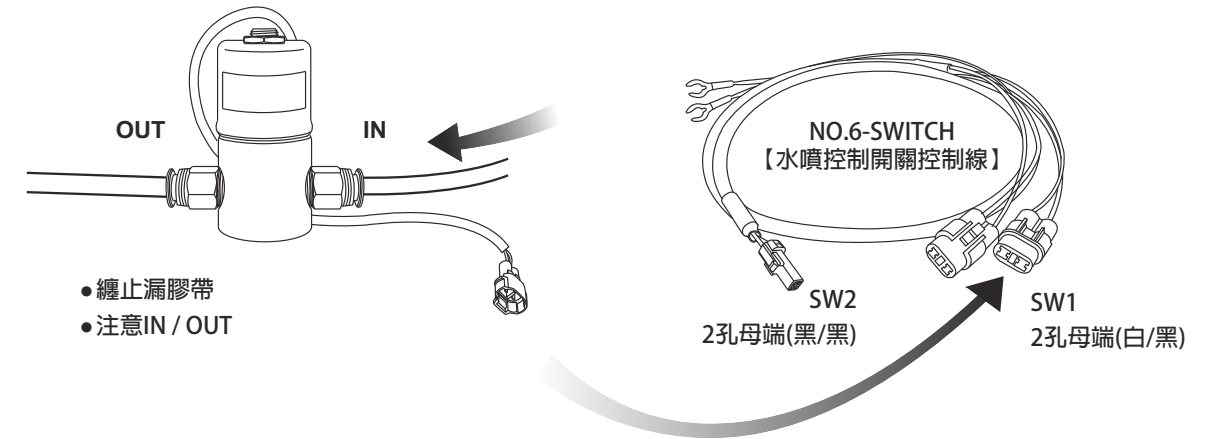


5 【水噴開關控制線】

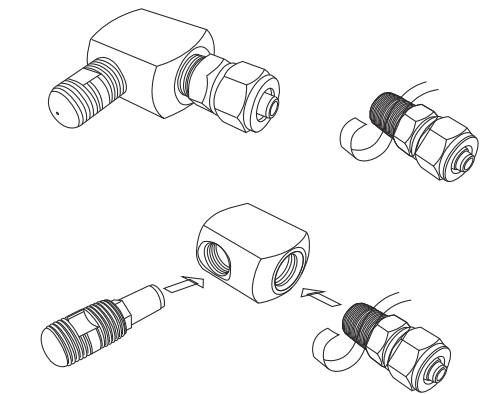
- NO.6-水噴開關控制線上6號接頭
- SW1-水噴電磁閥
- SW2-水噴電磁閥(選配第二組使用)
- GND-接地負極



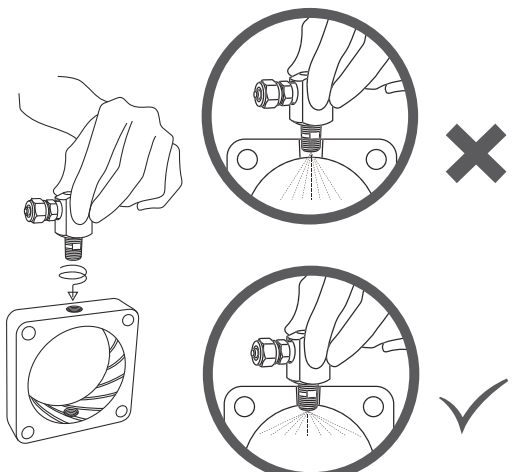
6 【水噴電磁閥】



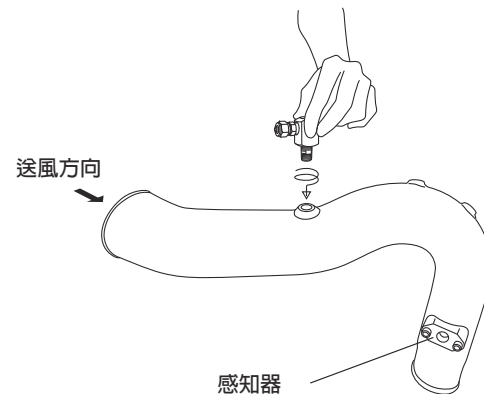
7 【水噴噴嘴+噴座】



- 止漏膠帶纏繞時請注意，需要與螺紋反方向

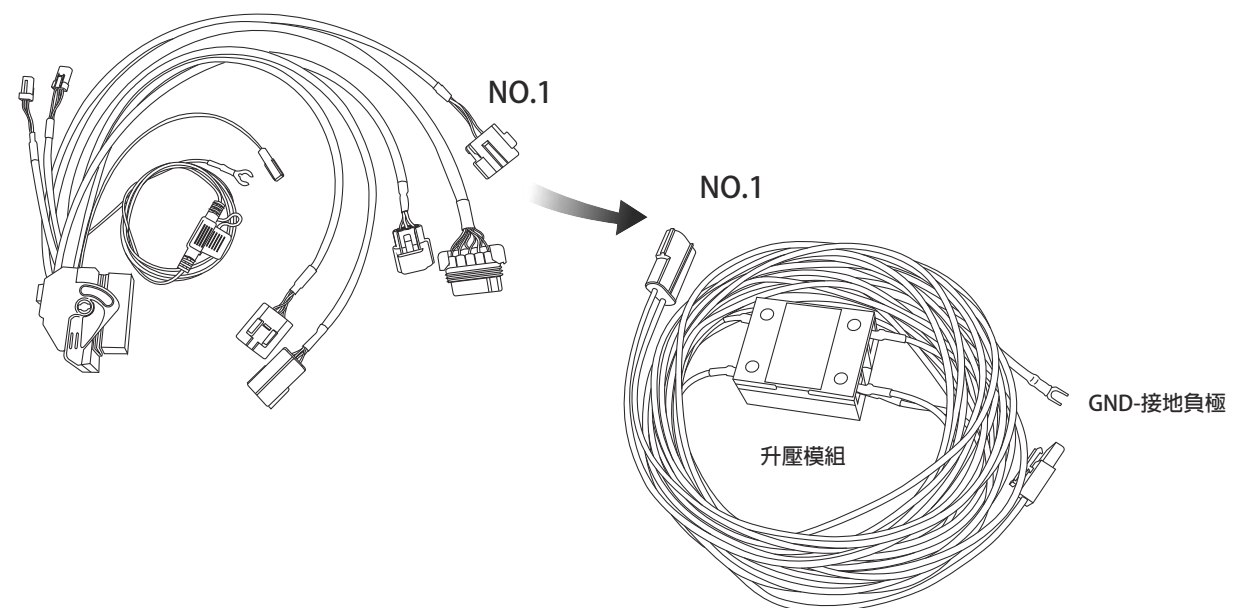


- SPACER墊寬片，注意專車專用，請正確選擇款式

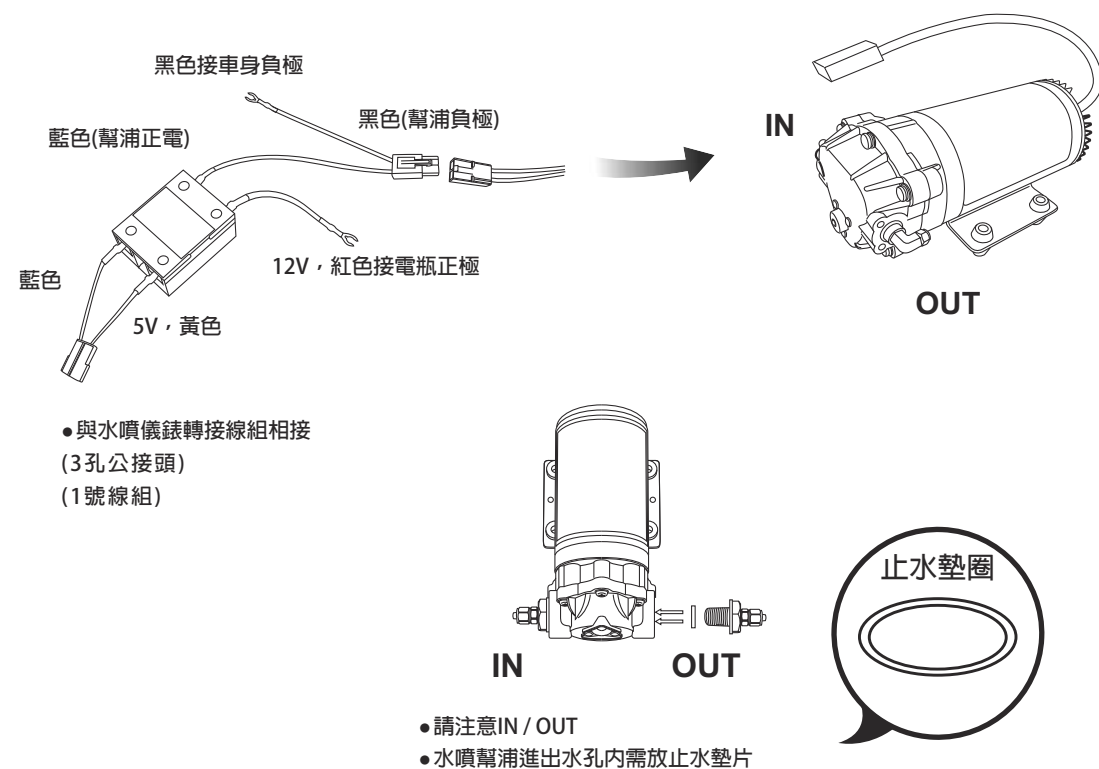


- 渦輪管帶水噴孔，注意專車專用，請正確選擇款式鑽水噴孔注意，孔位需要在感知器前

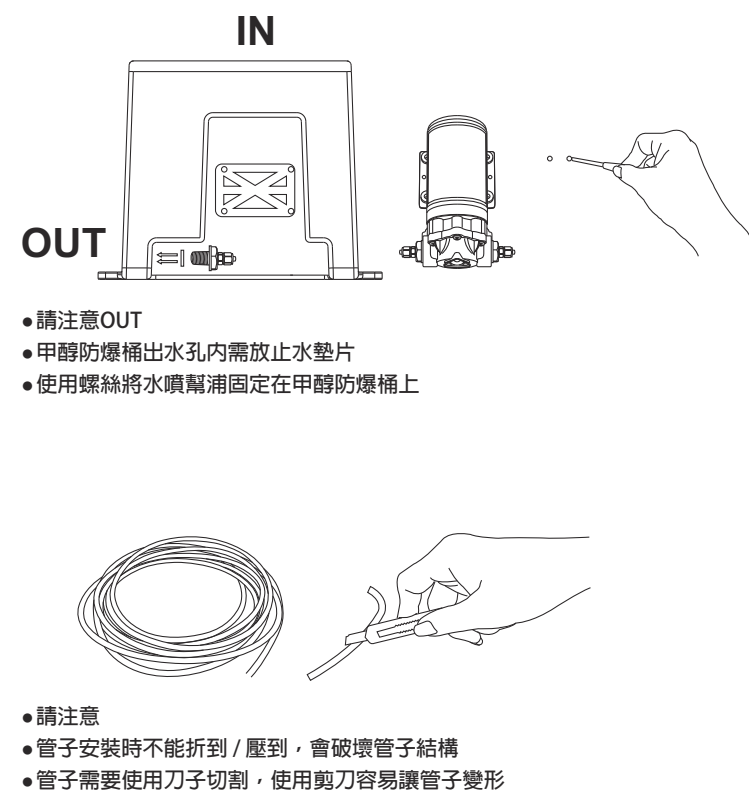
8 【水噴升壓模組】



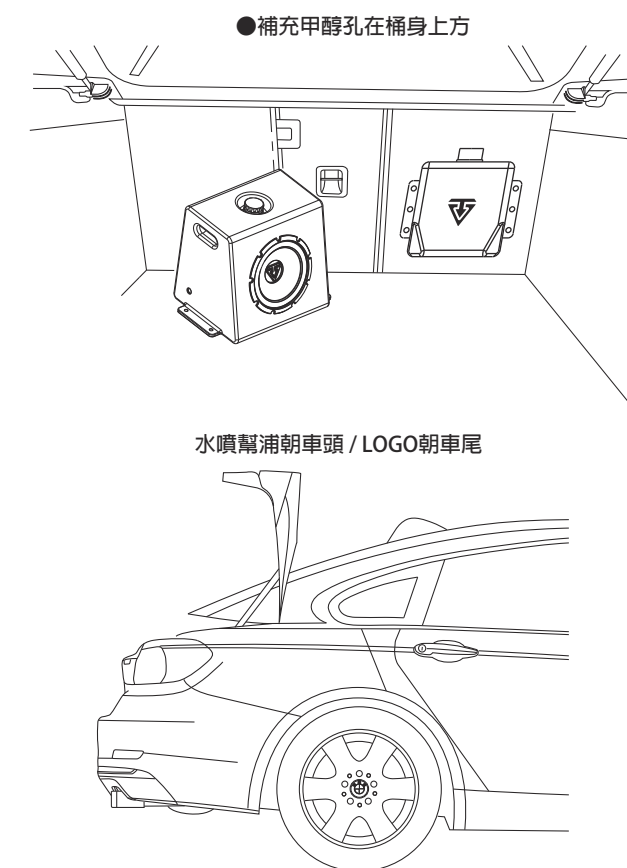
9 【升壓模組&水噴幫浦安裝】



10 【甲醇防爆桶】

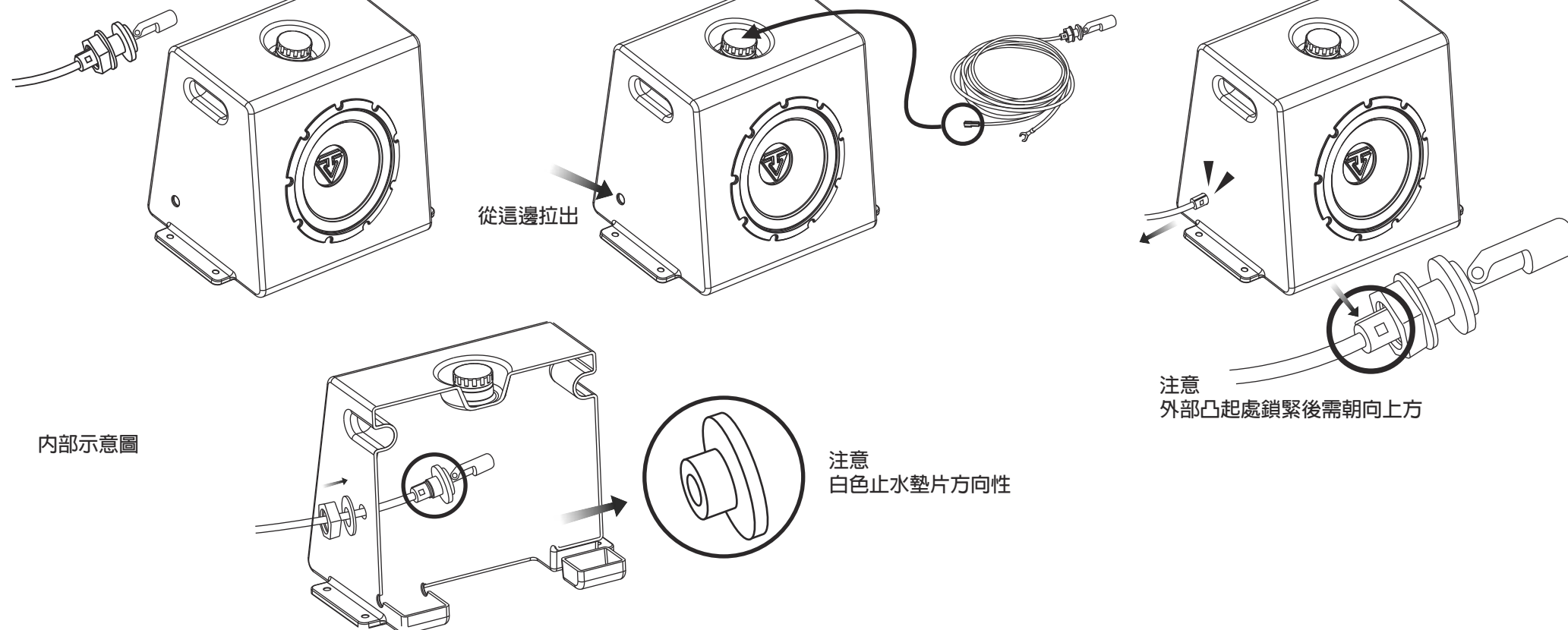


11 【放置後車箱】

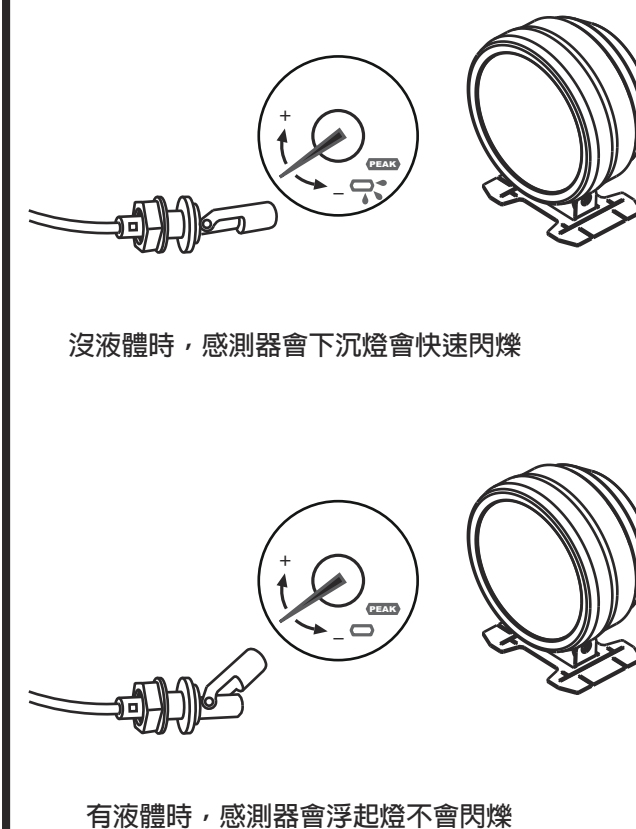


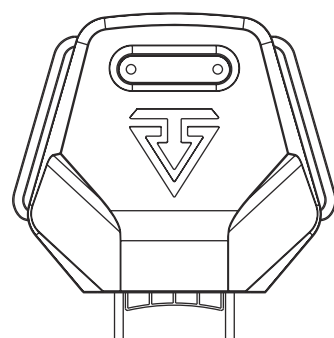
液位感知器安裝重點(選配)

外部示意圖



水噴桶水位與儀表顯示

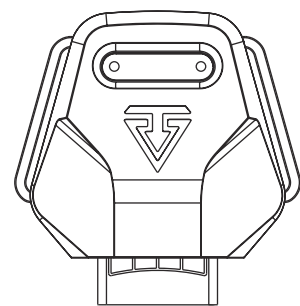




**SB PRO+**

專家版

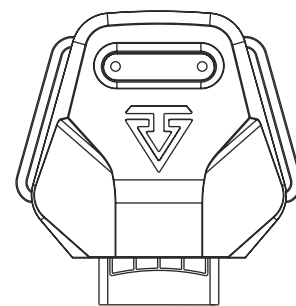
控制水噴  
控制動力



**SB PLUS**

玩家版

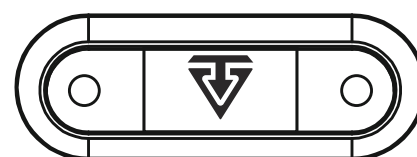
控制水噴  
控制動力



**SB MI**

單水噴版

控制水噴



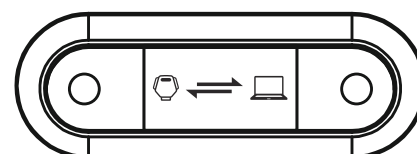
開機畫面



開機畫面  
顯示外掛電腦款式名稱



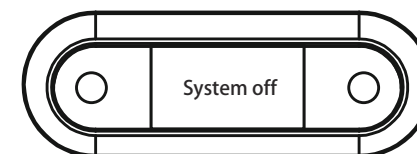
選項模式  
右邊預噴功能  
左邊電源功能



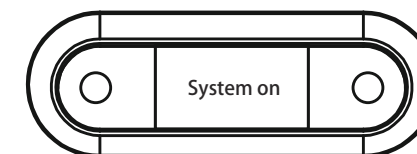
傳輸模式  
電腦與設備連線中



電源模式  
左邊按鍵長按倒數6秒關機



System off

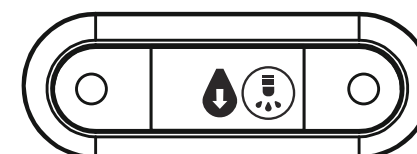


System on

開關機顯示

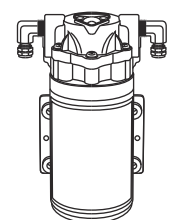


預噴模式  
右邊按鍵長按預噴  
持續作動六秒

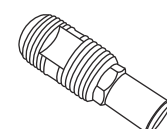


警示模式  
水量不足，低水位警示  
持續閃爍，需加水/甲醇

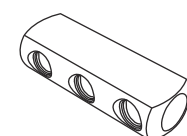
### 【選配 加購區】



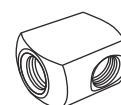
水噴幫浦



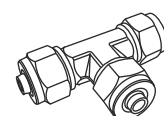
1號 150 ml/min  
2號 350 ml/min  
3號 450 ml/min  
4號 550 ml/min  
5號 700 ml/min  
6號 900 ml/min



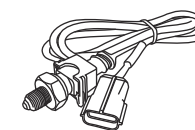
管路一分六接頭



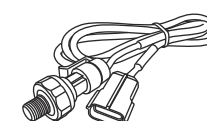
噴嘴座



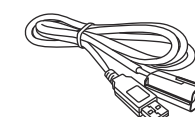
T型三通



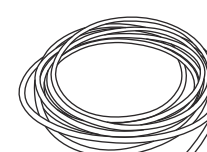
溫度傳感器



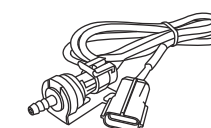
油壓傳感器



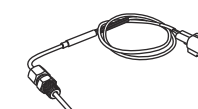
調適數據線



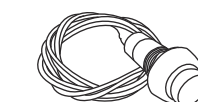
鐵氟龍管



渦輪傳感器



排溫傳感器



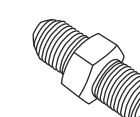
水噴預噴開關 / 外掛電腦開關



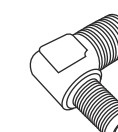
液位感知器線組



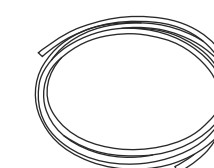
T形金屬管轉接座



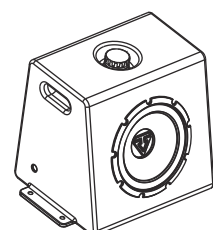
金屬管轉接座



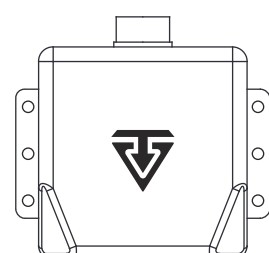
L形金屬管轉接座



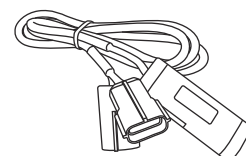
編織軟管



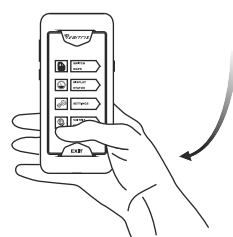
12L 水噴桶



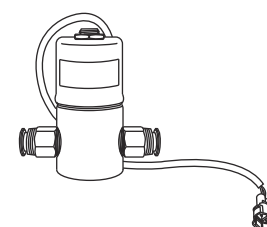
5.4L 水噴桶



手機藍芽模組



VAITRIX AIR FORCE ONE藍芽模組  
僅限Android手機使用(一機在手切換自如)  
★請在網路訊號極佳範圍切換程序



水噴電磁閥