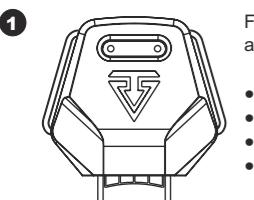
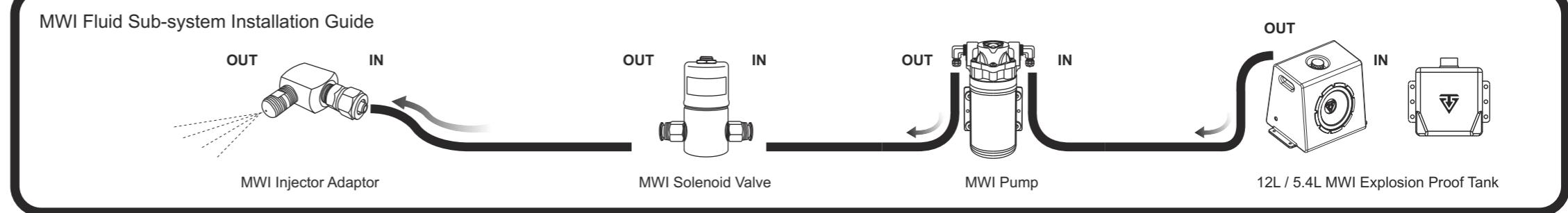
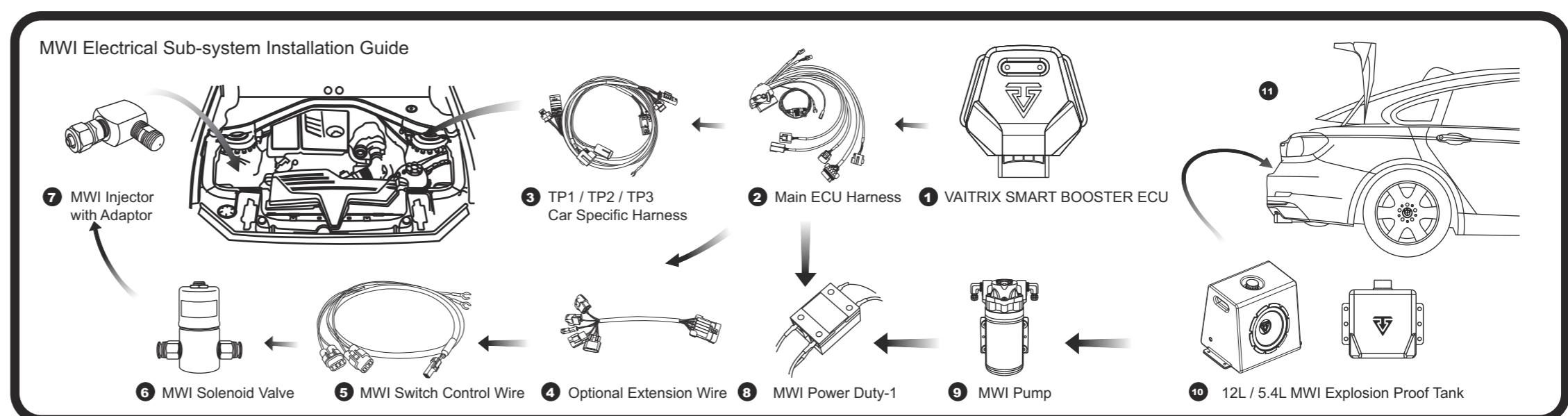
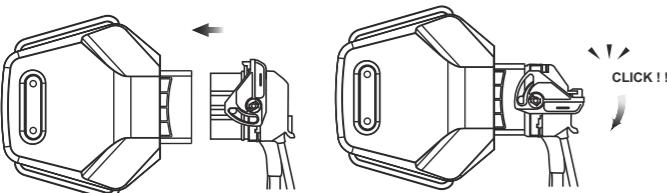


SMART BOOST Methanol/Water Injection Kit Installation

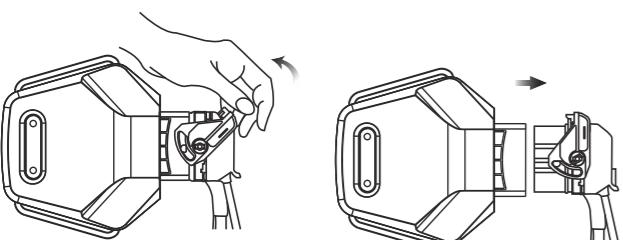


Four models of VAITRIX SMART BOOSTER are recommended to co-work with the VAITRIX MWI Kit :

- 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)

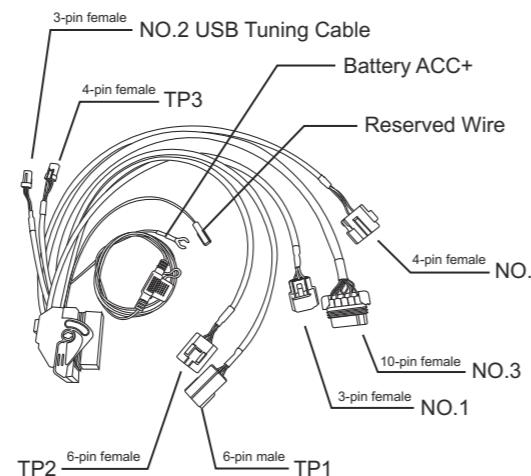


- Connect the VAITRIX SMART BOOSTER ECU with the Main ECU Harness and make sure they're tightly fitted with each other.



- 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】



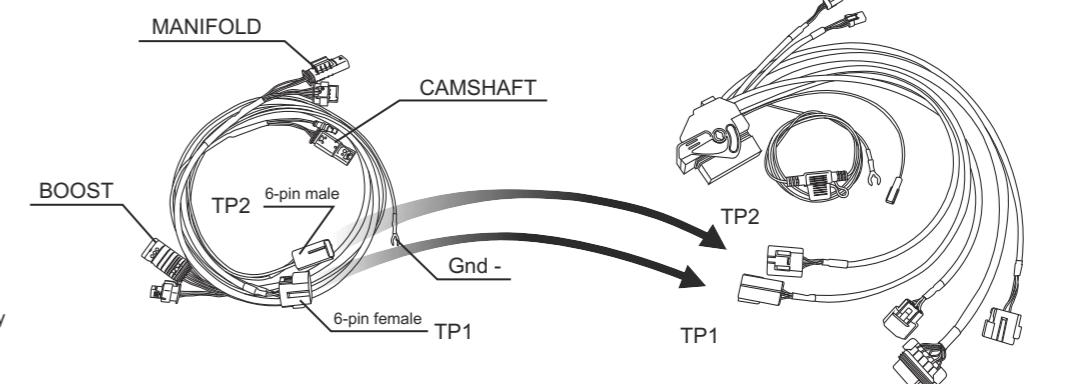
- TP1 (6-pin female) & TP2 (6-pin male) - connect to Car-Model Specific Harness
- NO.1-MWI Power Duty-1
- NO.2-USB Tuning Cable
- NO.3-Optional Extension Wire
- NO.4-Bluetooth Module
- Red Battery ACC+ Wire (Anode 12V)
- 1-pin Reserved Wire
- TP3-Car Specific Harness

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

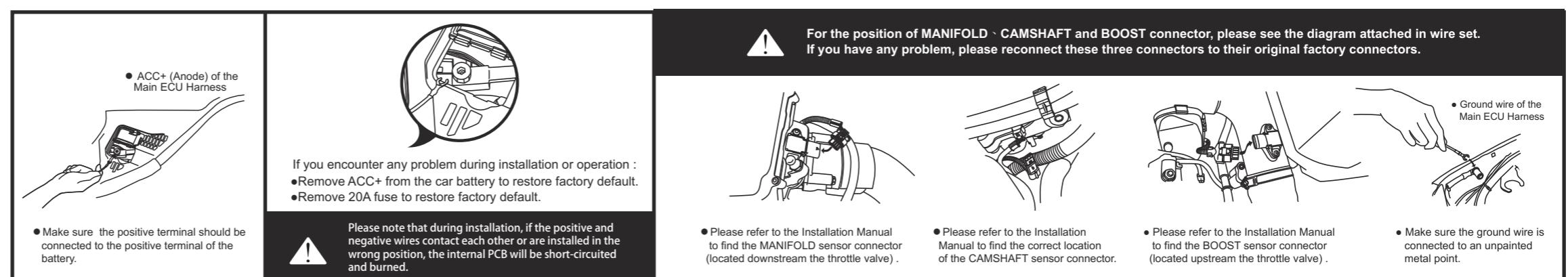
③ 【The Main ECU Harness connect with Optional Extension Wire】

- 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.

【TP1 & TP2 Car-Model Specific Harness】

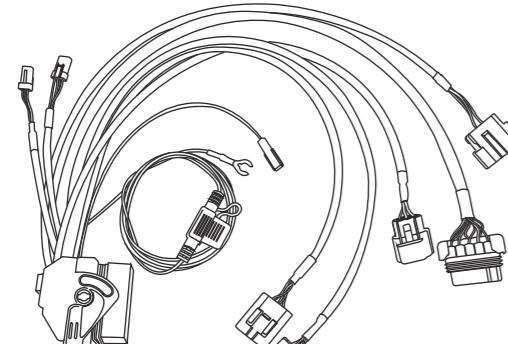


【Main ECU Harness】

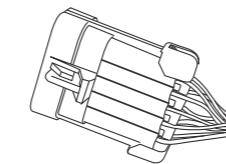


④ [Optional Extension Wire Explanation]

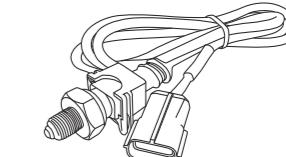
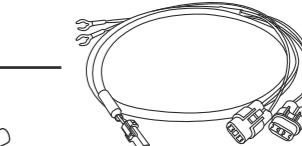
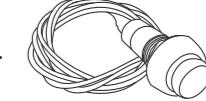
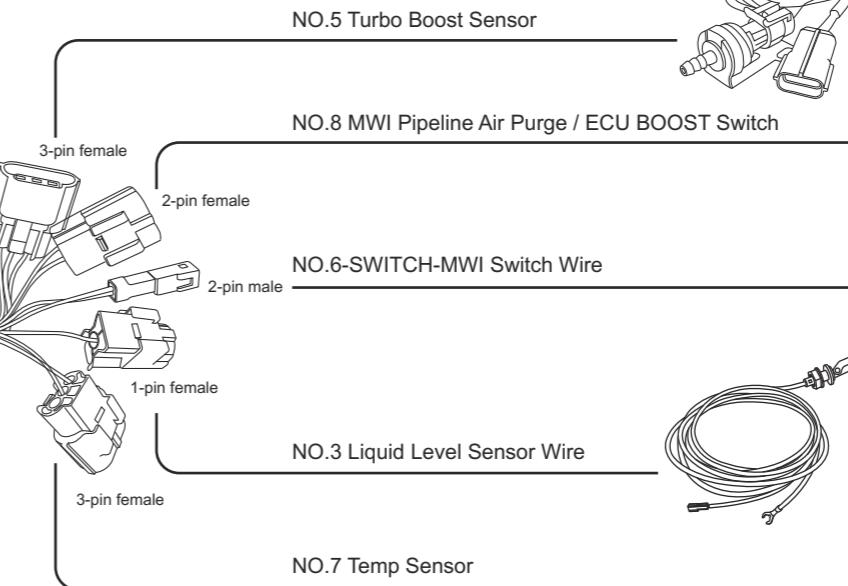
- Extension Wire No.3 connect with Main ECU Harness No.3



【Main ECU Harness】

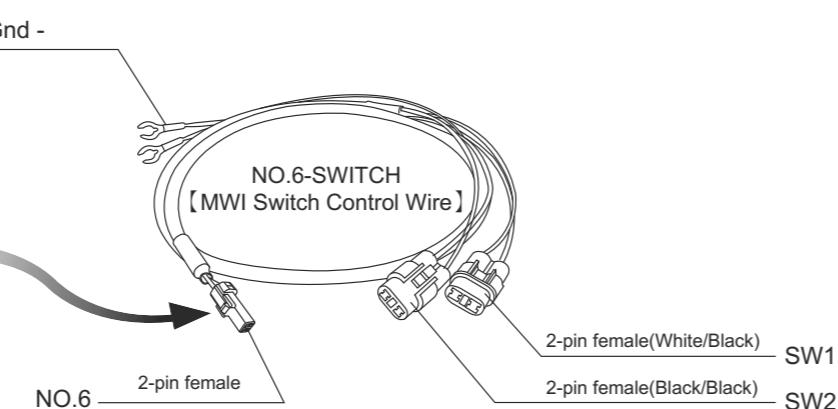
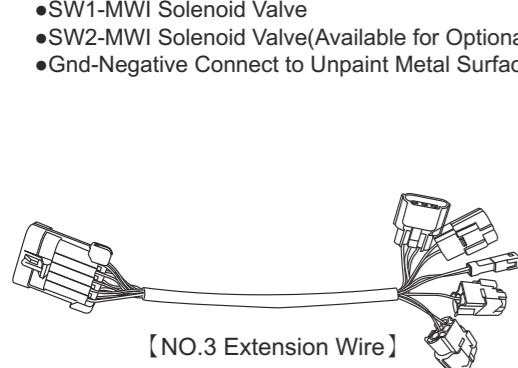


【Extension Wire No.3】

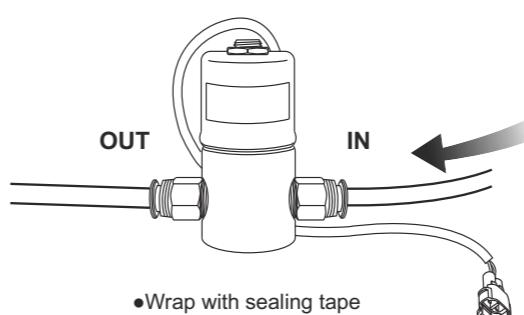


⑤ [MWI Switch Control Wire]

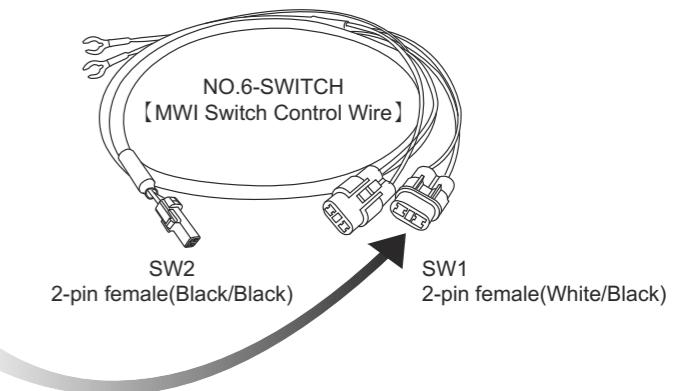
- NO.6-Extension No.6 Connect to MWI Switch Wire No.6 Connector
- SW1-MWI Solenoid Valve
- SW2-MWI Solenoid Valve(Available for Optional 2nd Valve)
- Gnd-Negative Connect to Unpaint Metal Surface



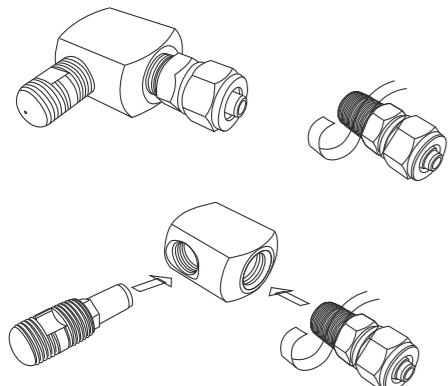
⑥ [MWI Solenoid Valve]



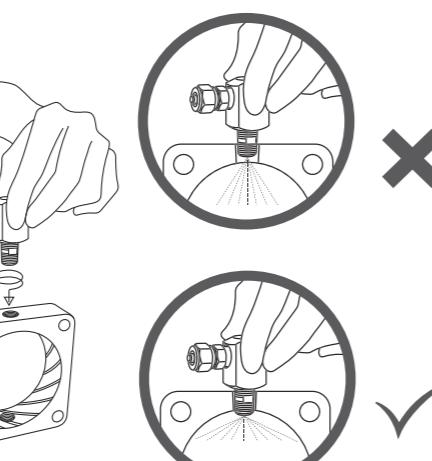
- Wrap with sealing tape
- Note the In / OUT



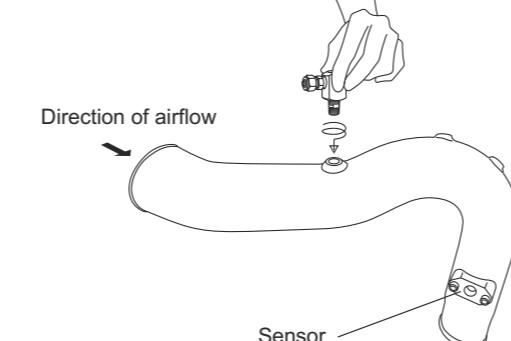
⑦ [MWI Injector with adaptor]



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

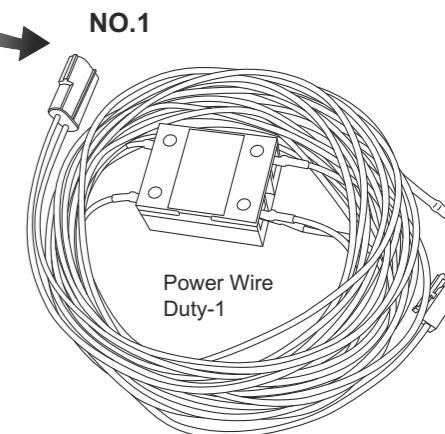
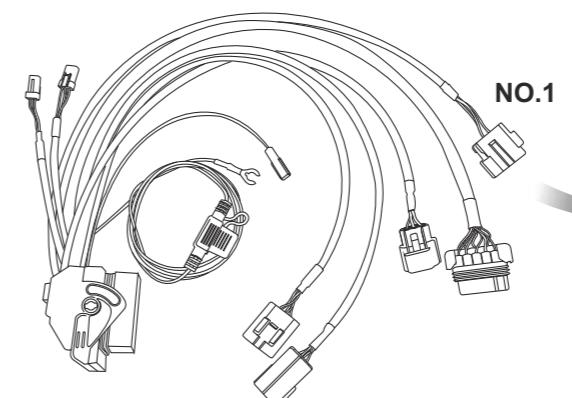


- Mounting Spacer is car-model specific. Choose correct model for your car.



- 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.

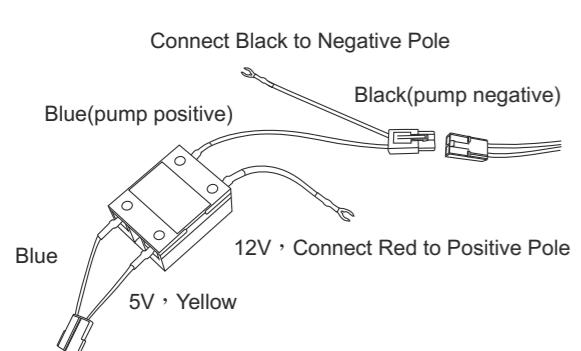
⑧ [MWI Power Wire Duty-1]



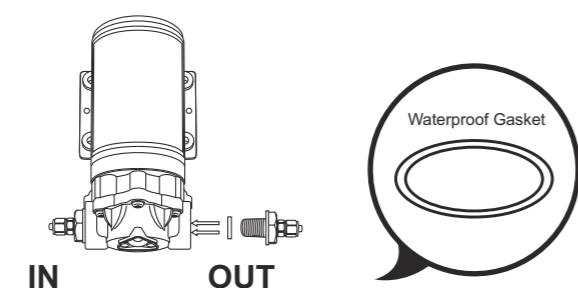
Gnd-Negative

Power Wire
Duty-1

⑨ [MWI Power Wire Duty-1 & MWI Pump Install]

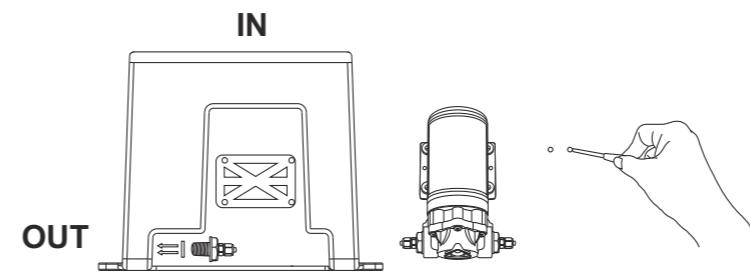


- Connected to the water spray gauge adapter cable assembly (3-pin male connector) (No.1Wire Harness)

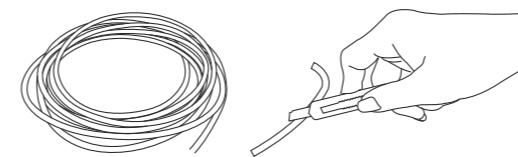


- Please pay attention to IN / OUT
- Waterproof gaskets need to be placed in the inlet/outlet holes of pump.

⑩ [Methanol Injection Explosion Proof Tank]



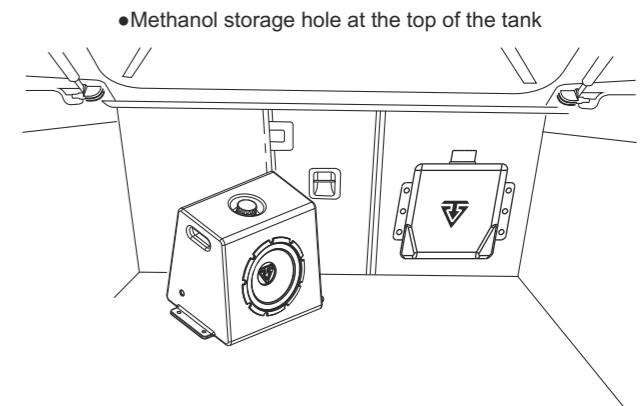
- Please pay attention to OUT.
- Waterproof gasket need to be placed in the outlet hole of methanol / water tank.
- Use screws to secure the pump onto the methanol/water tank.



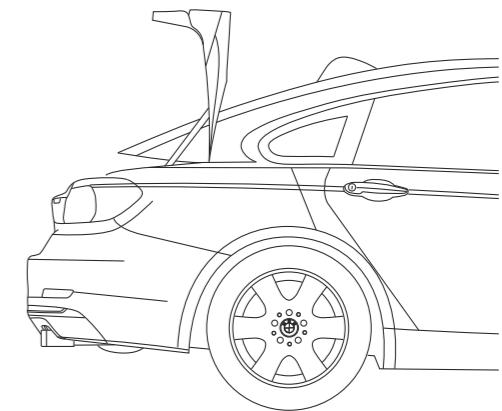
Please pay attention:

- 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]

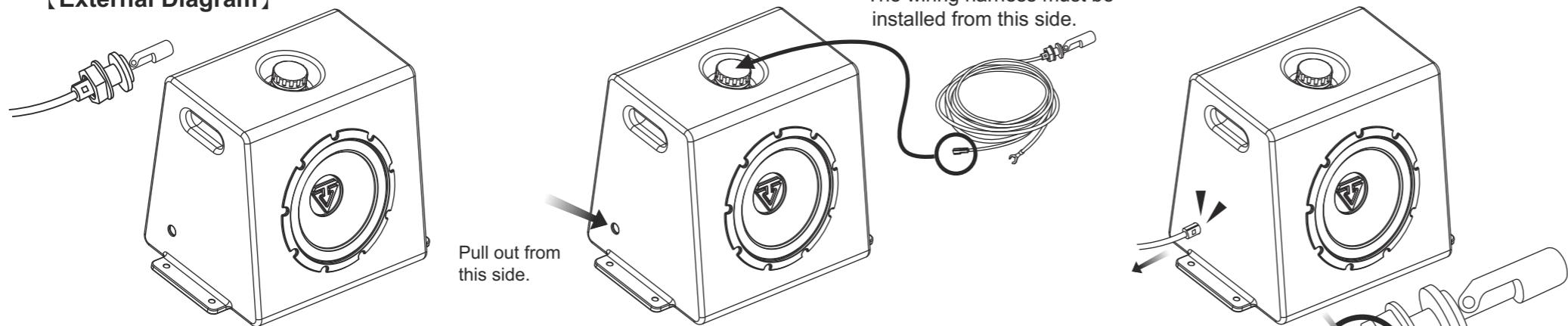


Pump towards the front of the car / logo towards the rear of the car

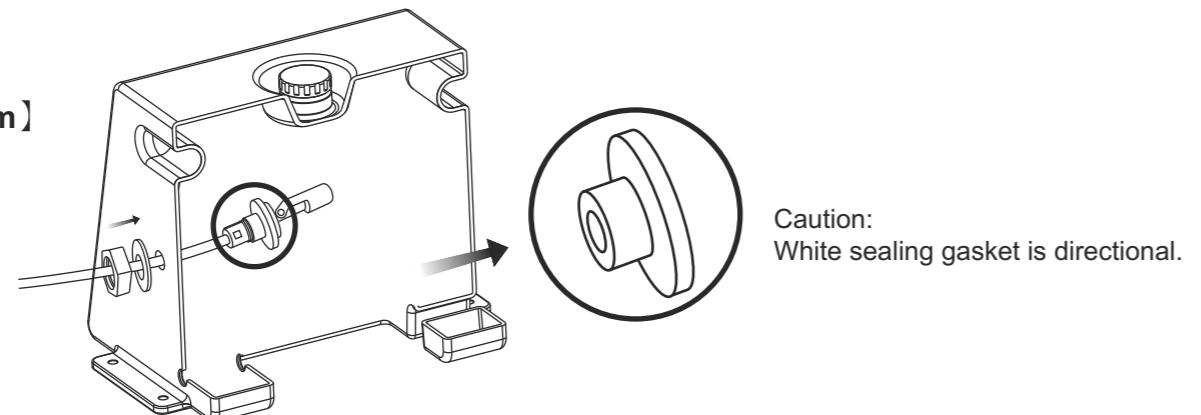


[Key Point of Install Liquid level sensor (optional)]

[External Diagram]



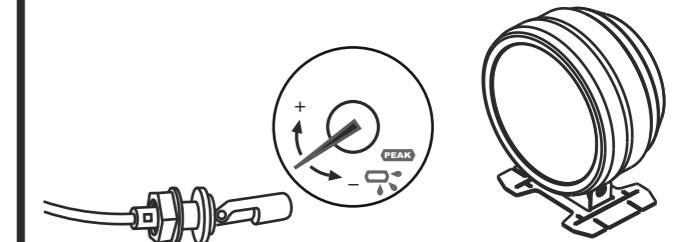
[Internal Diagram]



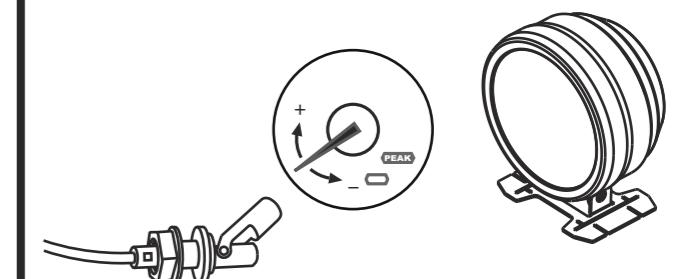
Caution:
White sealing gasket is directional.

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

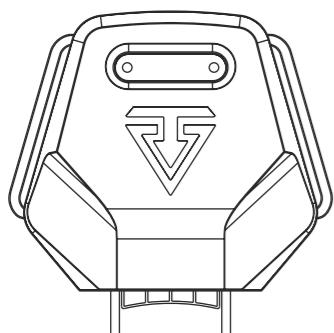
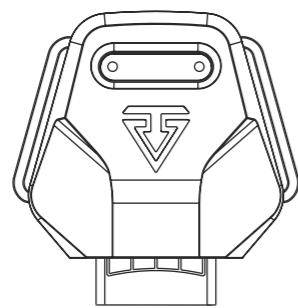
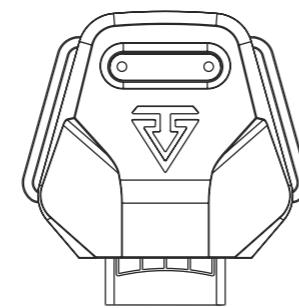
[Water tank water level and gauge display]



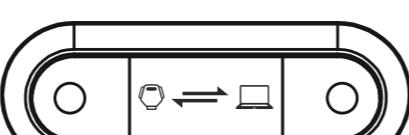
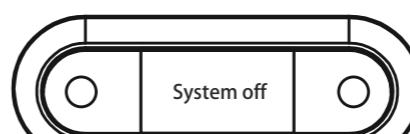
When there is no water, the sensor will sink, and the light will flash rapidly.



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 BOOSTFunction Mode
Right-Prespray function
Left-Power functionTransmission Mode
Computer is connecting
with equipment.Power Mode
Press and hold the left button for 6 seconds
to switch off.

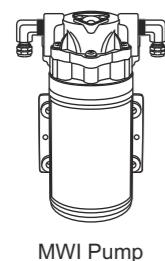
System off

System on

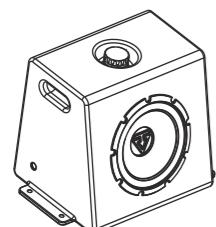
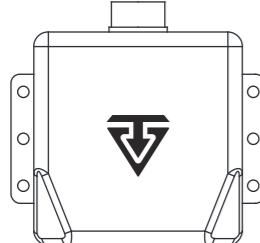
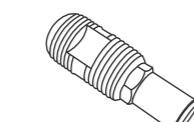
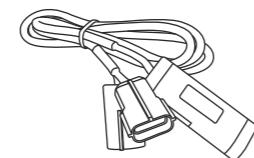
Switch on/off

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.

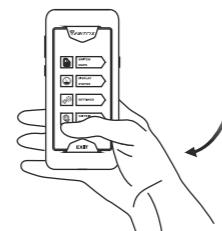
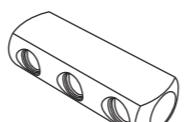
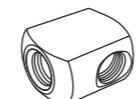
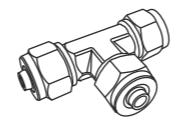
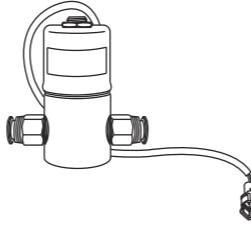
[Optional]



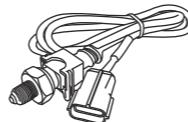
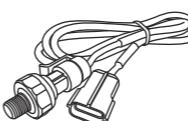
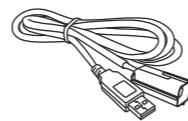
MWI Pump

METHANOL/WATER TANK
12L Type/3.2GallonMETHANOL/WATER TANK
5.4L Type/1.4GallonMETHANOL / 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

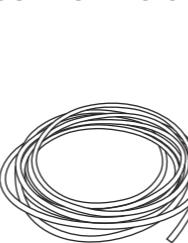
BLUETOOTH MODULE for AirForce GO

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.SPLITTING ADAPTOR
I-shape 1-to-6 adaptor,
1/8"NPTADAPTOR
FOR METHANOL /
WATER INJECTORSPLITTING ADAPTOR
T-shape 1-to-3 adaptor, 1/4"

MWI Solenoid Valve

250°C/482°F
INTAKE TEMP SENSOR10 Bar/150 PSI
Fuel/Oil/Map
Air PRESSURE SENSOR

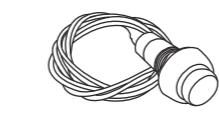
USB TUNING CABLE

TEFLON REINFORCED HOSE
•6m in length

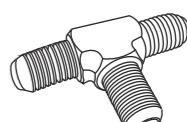
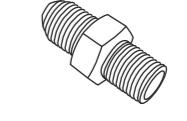
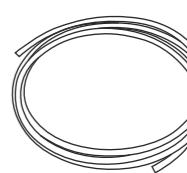
4 Bar/60 PSI BOOST SENSOR

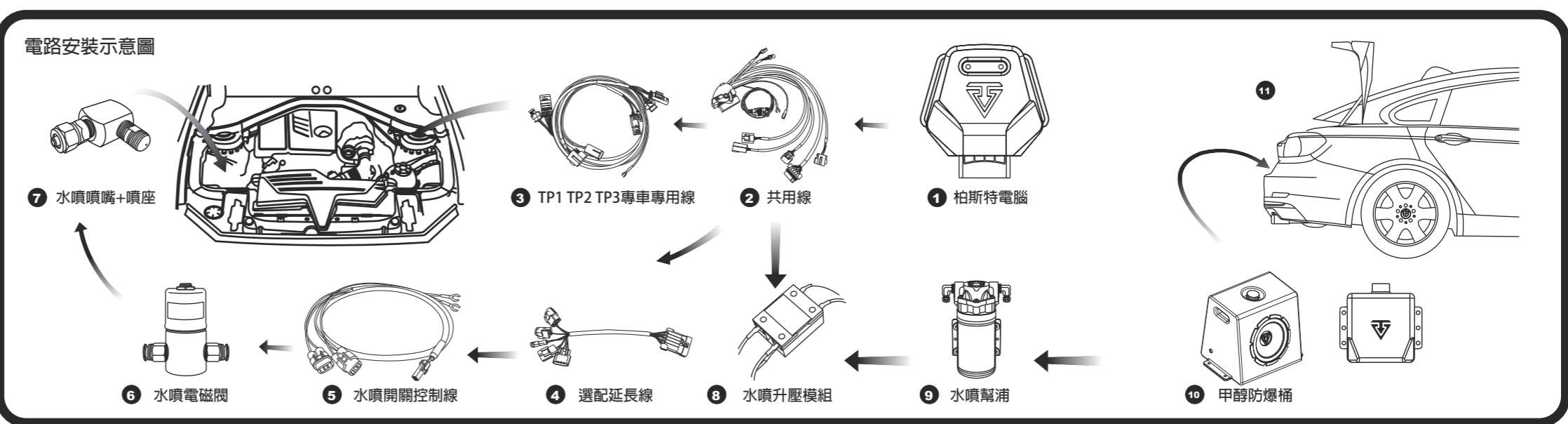
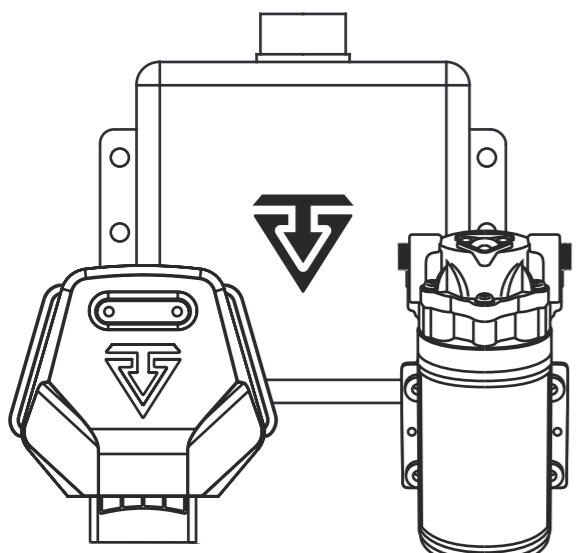


EXHAUST TEMP SENSOR

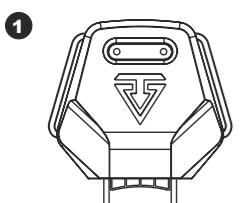
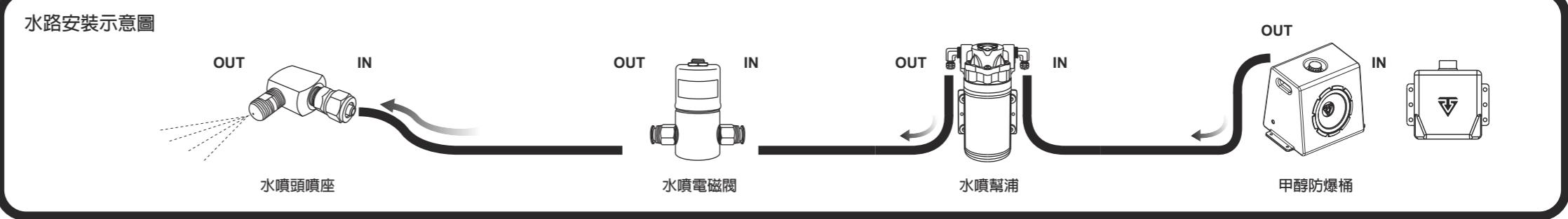
SWITCH FOR PRE-SPRAY
SWITCH FOR PIGGYBACK

Liquid Level Sensor Wire

METAL HOSE FITTINGS
T-shape 1-to-2 splitter, 1/4"METAL HOSE FITTINGS
• Metal fittings for braided racing hoseMETAL HOSE FITTINGS
L-shape 3/8" to 1/4"adaptorBraided Racing Hose
TEFLON(PTFE) + SUS + PET Black Braided 1/4"
• 6m In Length

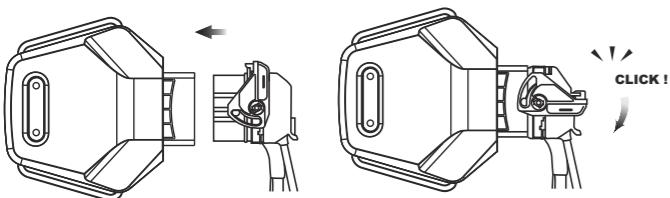


外掛型水噴安裝指南

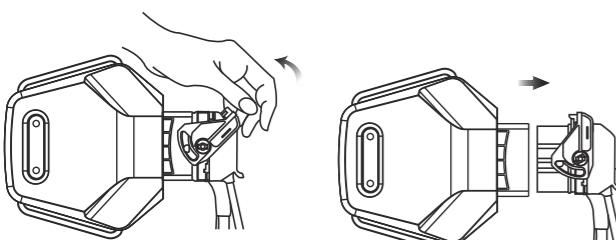


可以搭配以下四款

- VAITRIX外掛電腦專家版 (可控制增壓&水噴)
- VAITRIX外掛電腦玩家版 (可控制增壓&水噴)
- VAITRIX外掛電腦入門版 (可控制增壓)
- VAITRIX外掛電腦水噴版 (可控制水噴)

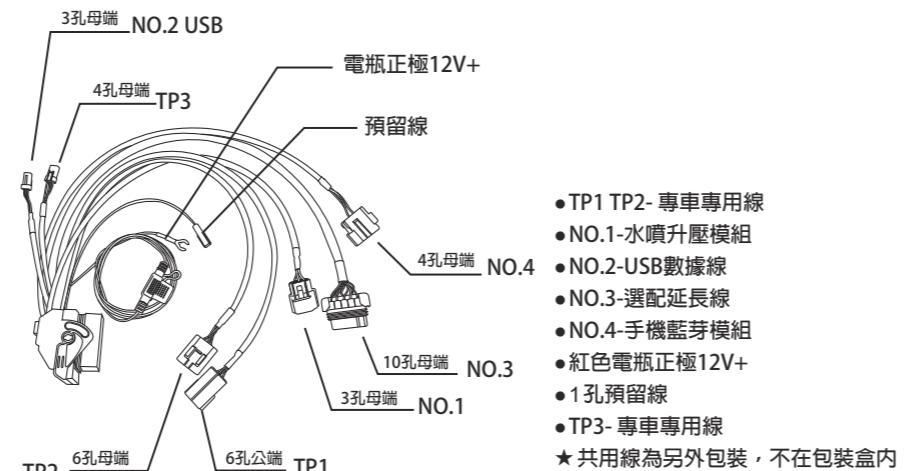


• VAITRIX外掛電腦與上共用線-緊配



• VAITRIX外掛電腦與接共用線-卸除

2. 【共用線】



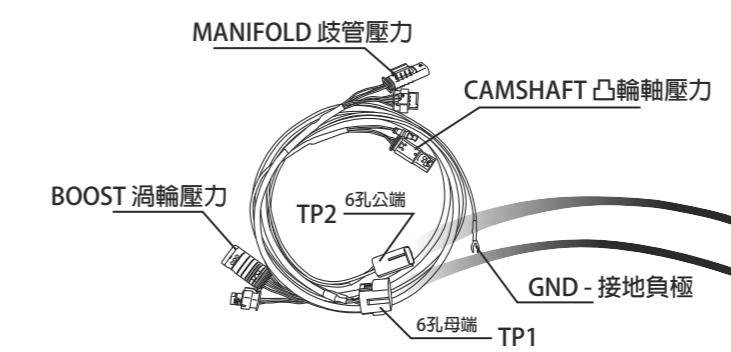
- TP1 TP2- 專車專用線
- NO.1-水噴升壓模組
- NO.2-USB數據線
- NO.3-選配延長線
- NO.4-手機藍芽模組
- 紅色電瓶正極12V+
- 1孔預留線
- TP3- 專車專用線

★ 共用線為另外包裝，不在包裝盒內

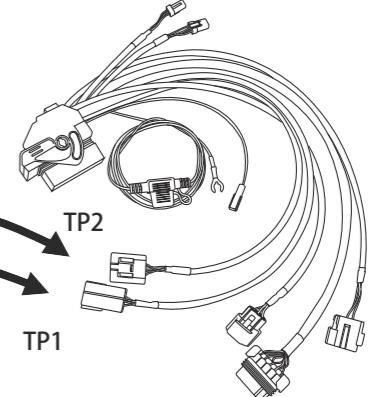
3. 【共用線與專用線連接】

- 共用線TP1、TP2與專用線TP1、TP2對接
- 專用線另一端接車子，車子端接插位置可參考官網INFORMATION內的外掛安裝說明書，出貨時亦會於夾鏈袋內附上一張安裝位置示意圖。

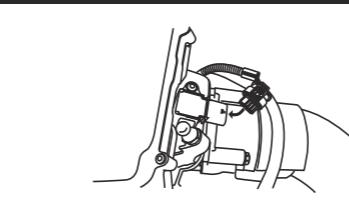
【TP1 TP2- 專車專用線】



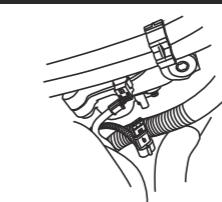
【共用線】



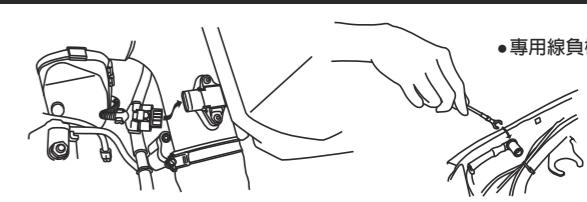
MANIFOLD、CAMSHAFT 和 BOOST 連接器的位置請參考線束中所附的示意圖。
• 有任何問題請把這三個接頭都接回原廠接頭。



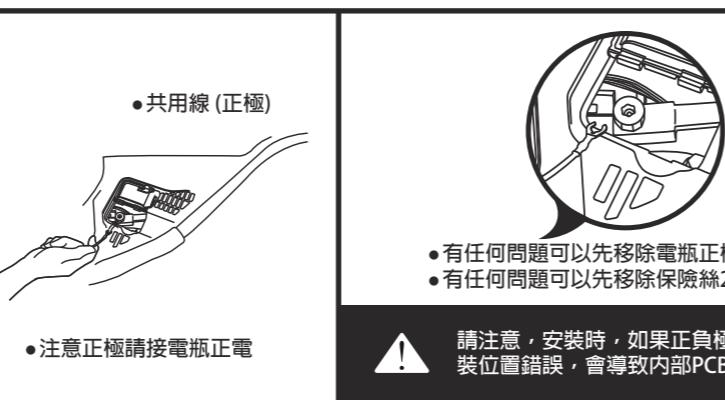
• 請對照網路安裝說明書，選找
正確MANIFOLD(節氣門後)位置



• 請對照網路安裝說明書，選找
正確CAMSHAFT(凸輪軸)位置

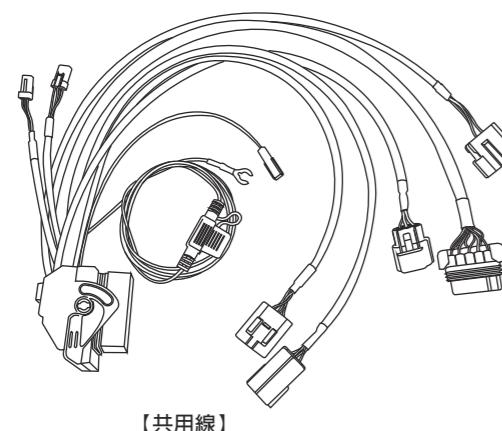


• 請對照網路安裝說明書，選找
正確BOOST(節氣門前)位置
• 注意負極是否導通，負極搭鐵
請勿鎖在烤漆

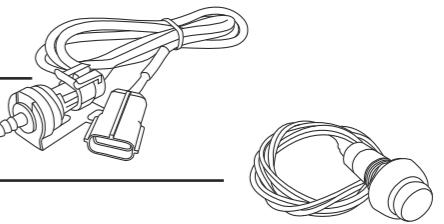


④ 【選配延長線接頭用途說明】

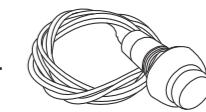
- 延長線NO.3與共用線NO.3對接



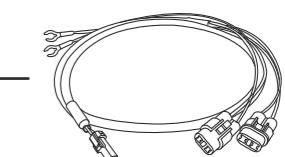
NO.5 涡輪傳感器



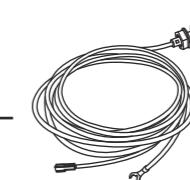
NO.8 水噴預噴開關 / 外掛電腦開關



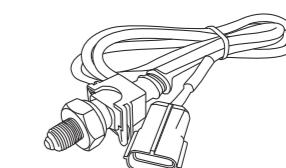
NO.6 SWITCH-水噴控制開關控制線



NO.3 液位感知器線組

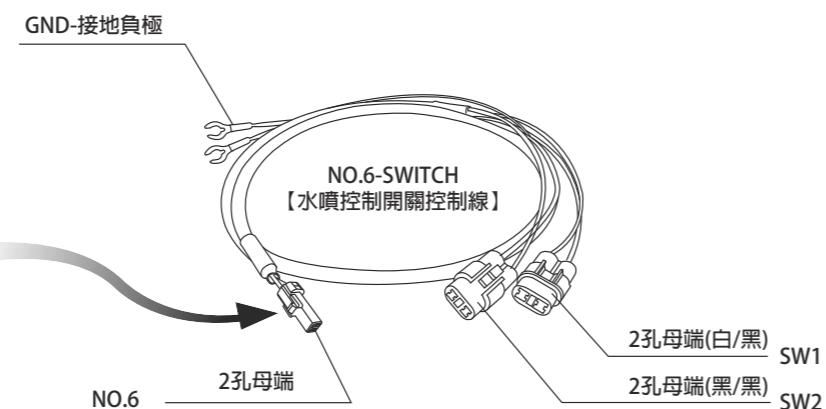
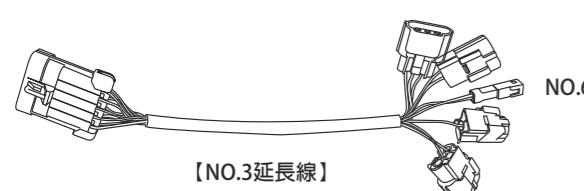


NO.7 溫度傳感器

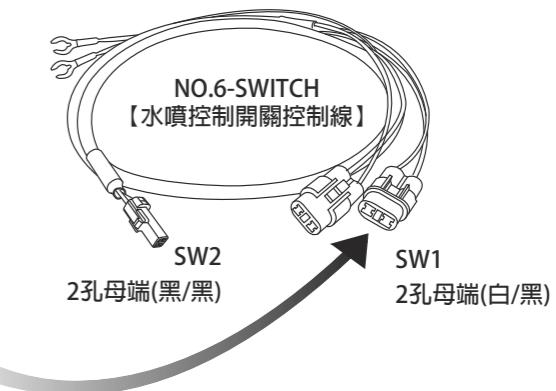
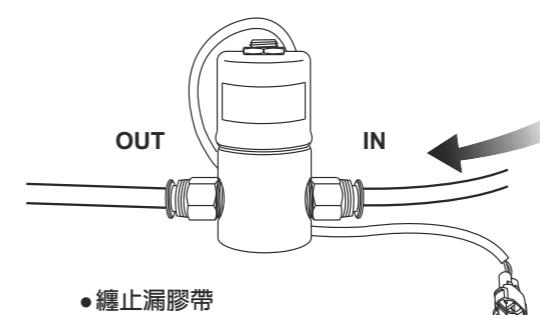


⑤ 【水噴開關控制線】

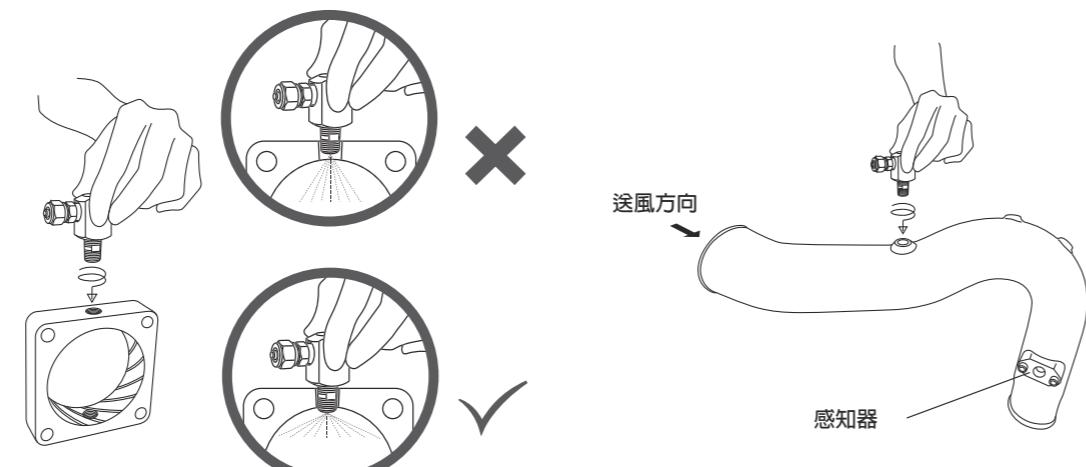
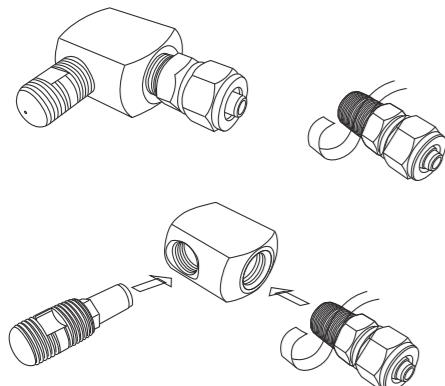
- NO.6-水噴開關控制線上6號接頭
- SW1-水噴電磁閥
- SW2-水噴電磁閥(選配第二組使用)
- GND-接地負極



⑥ 【水噴電磁閥】



⑦ 【水噴噴嘴+噴座】

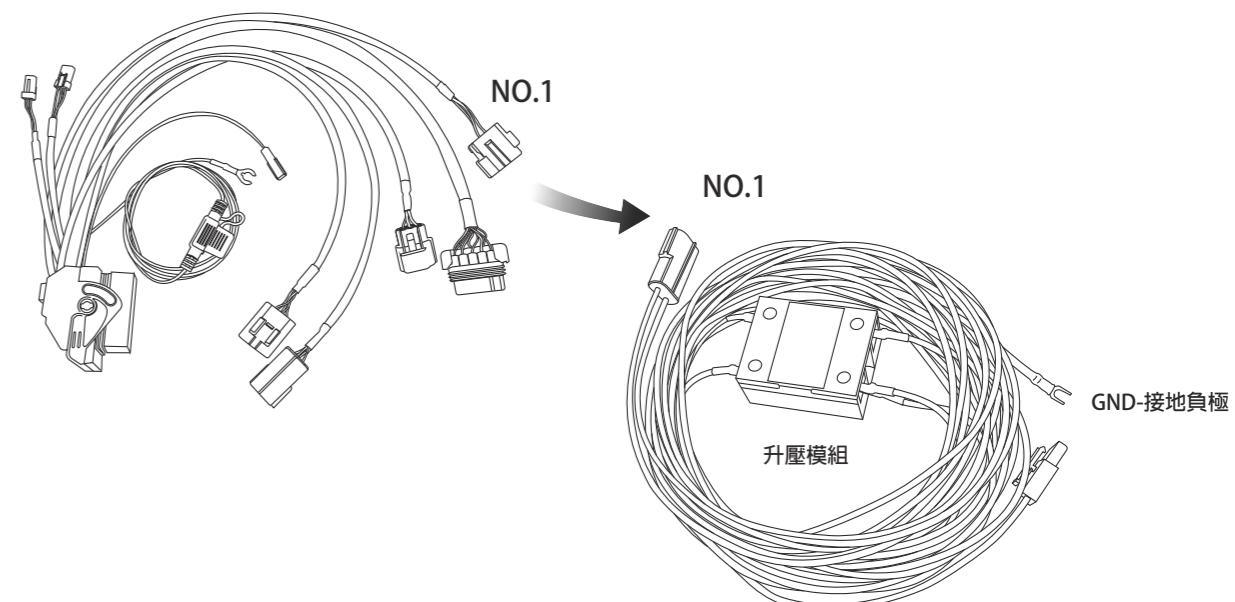


- SPACER墊寬片，注意專車專用，請正確選擇款式

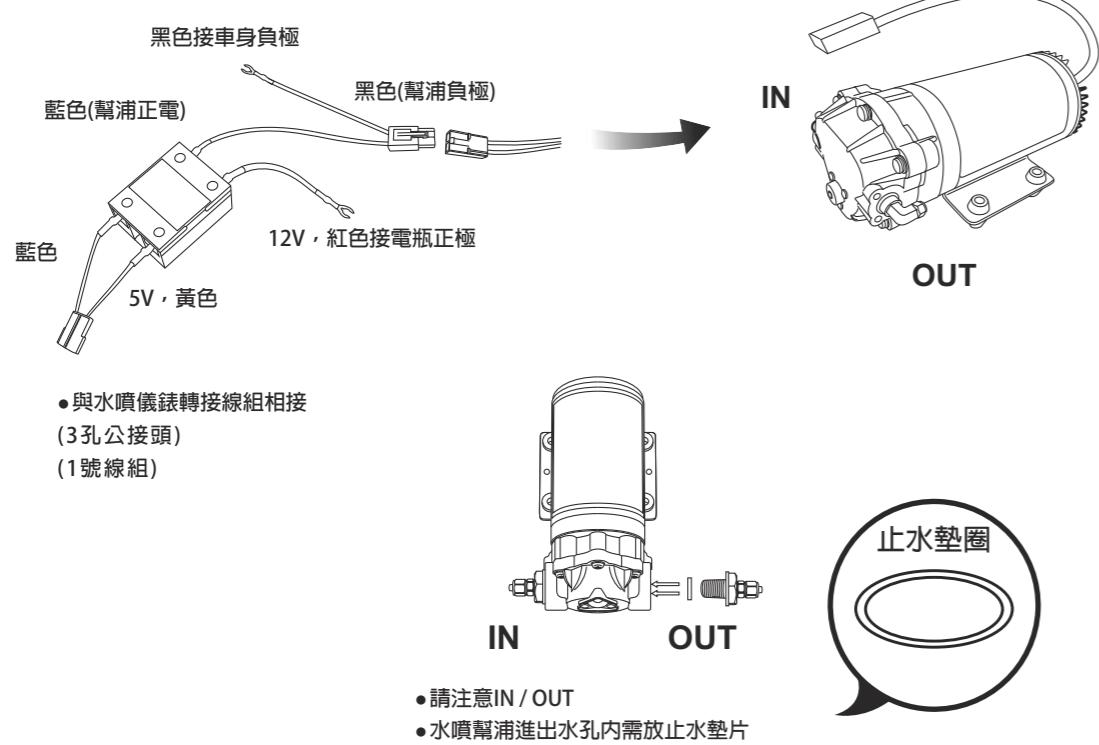
- 上漏膠帶纏繞時請注意，需要與螺紋反方向

- 涡輪管帶水噴孔，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

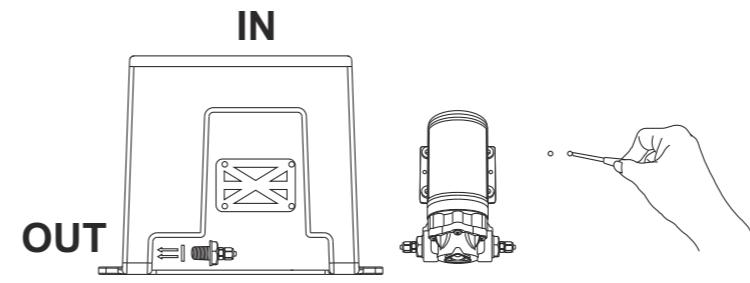
⑧ 【水噴升壓模組】



9 【升壓模組&水噴幫浦安裝】



10 【甲醇防爆桶】

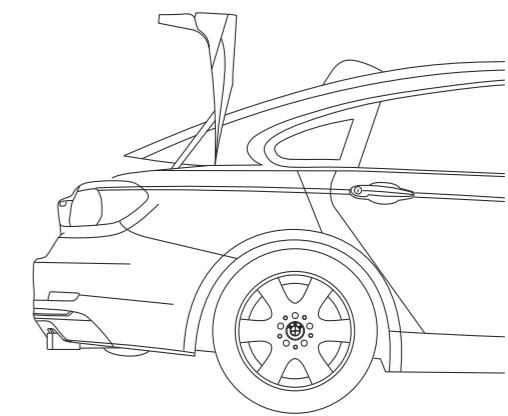
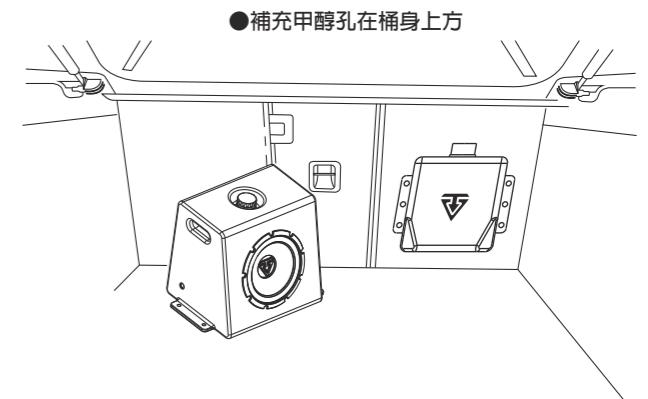


- 請注意OUT
- 甲醇防爆桶出水孔內需放止水墊片
- 使用螺絲將水噴幫浦固定在甲醇防爆桶上



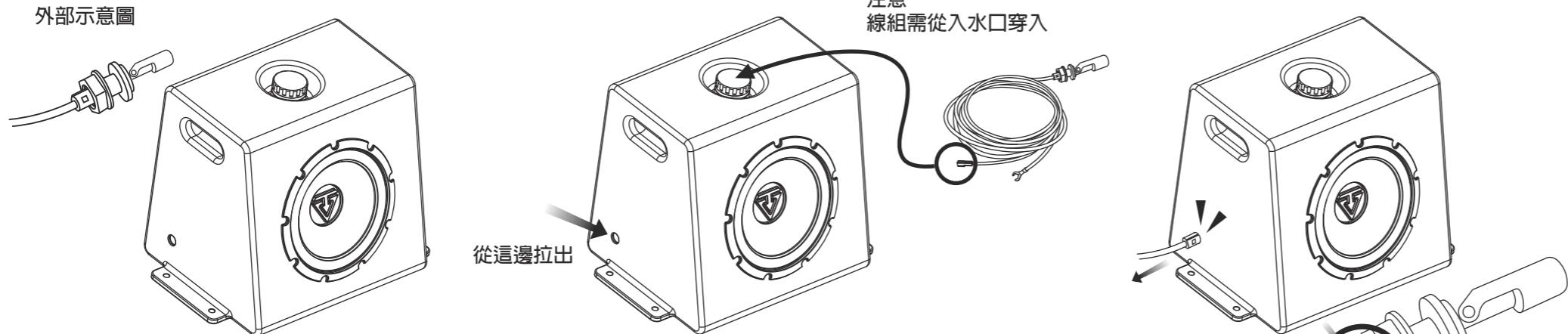
- 請注意
- 管子安裝時不能折到 / 壓到，會破壞管子結構
- 管子需要使用刀子切割，使用剪刀容易讓管子變形

11 【放置後車箱】

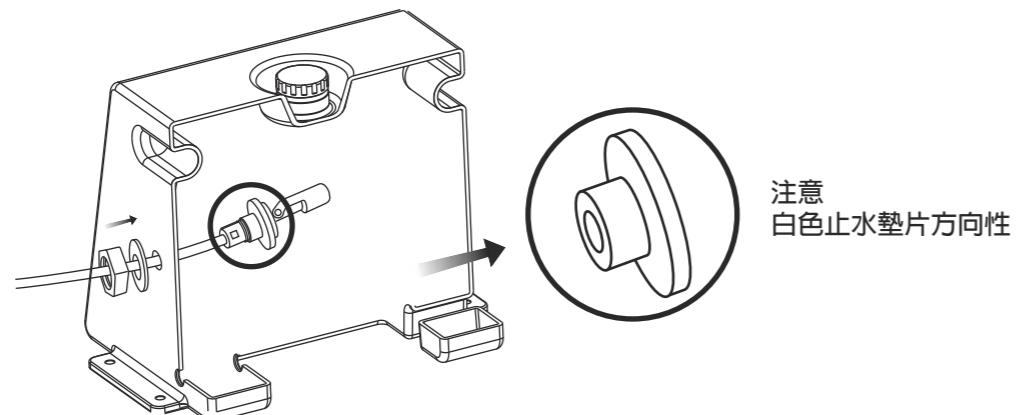


液位感知器安裝重點(選配)

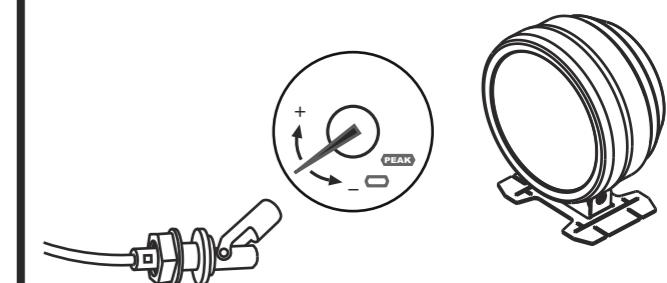
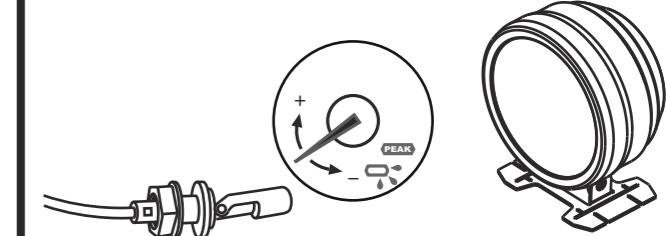
外部示意圖

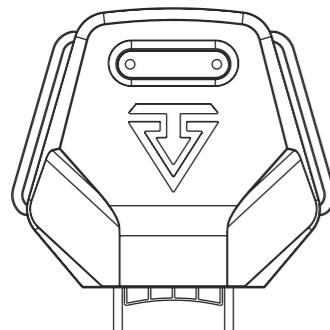


內部示意圖



水噴桶水位與儀表顯示

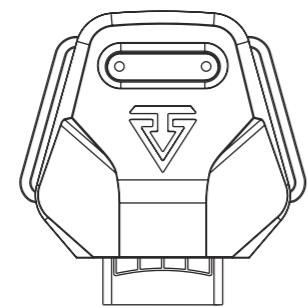




SB PRO+

專家版

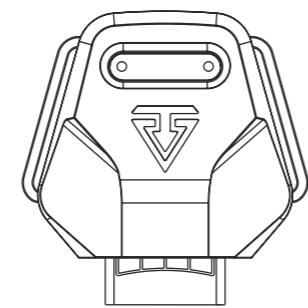
控制水噴
控制動力



SB PLUS

玩家版

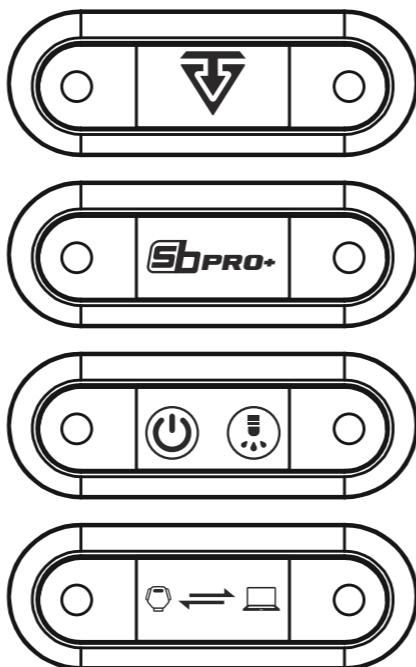
控制水噴
控制動力



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

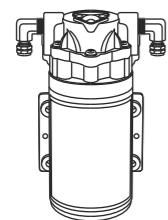
電源模式
左邊按鍵長按倒數6秒關機

開關機顯示

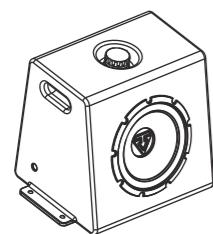
預噴模式
右邊按鍵長按預噴
持續作動六秒

警示模式
水量不足，低水位警示
持續閃爍，需加水/甲醇

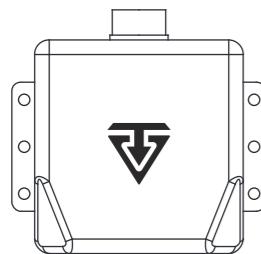
【選配 加購區】



水噴幫浦



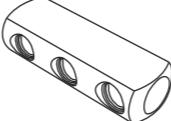
12L 水噴桶



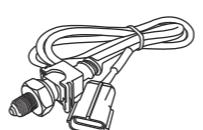
5.4L 水噴桶



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



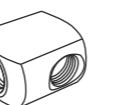
溫度傳感器



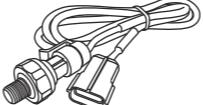
渦輪傳感器



T形金屬管轉接座



噴嘴座



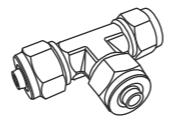
油壓傳感器



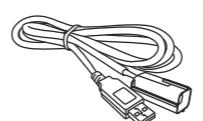
排溫傳感器



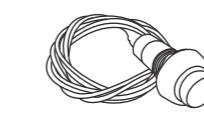
金屬管轉接座



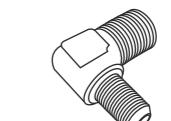
T型三通



調適數據線



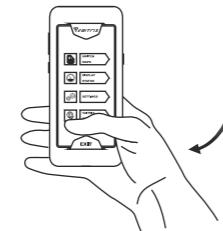
水噴預噴開關 / 外掛電腦開關



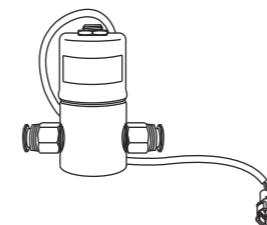
L形金屬管轉接座



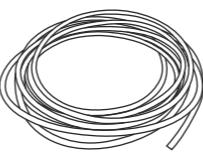
手機藍芽模組



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



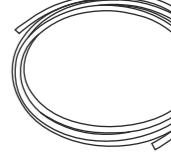
水噴電磁閥



鐵氟龍管



液位感知器線組



編織軟管