

## DUAL GAUGE PRO

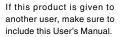
### **Easy Installation**

NPW WATER TEMP + DIGITAL

**Designed for Subaru BRZ and Toyota 86 Models** 

# **USER'S MANUAL**

Thank you for purchasing this PIVOT product. Please read this manual carefully and keep it for future reference.

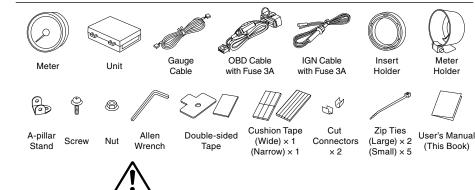


# Product

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### Please check the contents of the package



- 1. The display will not be proper if the ECU being used is not the standard one or if a sub-computer is being used, even in compatible car models.
- 2. Cannot be used in combination with other company's products that use Diagnostic Monitoring Connectors.
- 3. For details about using combinations of PIVOT OBD2 products, see here. ⇒ https://pivotjp.com/obd/

### Improper use or disregard of these warnings may result in the injury or death of people. Do not work in areas where there is excessive exhaust. Due to vehicle exhaust emission poisoning or fire may result in a damage to humans Do not crush the cable. Please be careful that the cable does not get crushed by the seat rail or car door steel plate, nor cut by any sharp steel plate as this may cause a poor

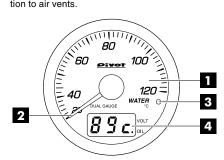
- connection or an electric short leading to fire or other danger. • Do not operate while driving.
- Operating or checking the display during driving may cause an accident; please use with the utmost consideration for safety. · Please securely fasten the product to a stable place and be
- sure to store bundle away all wires with tape, etc... It is very dangerous to pull tangled wires by force or allow tangled wires to interfere with driving.

Improper use or disregard of these warnings may cause injury to persons, damage the product and other things.

- This product is for DC12V cars:
- Installation cannot be carried out on cars with other voltage batteries
- Just after installation do not exert any strong force on the product. When double-sided tape is used for an installation be warned that when hot the tape temporarily losses adhesiveness.
- Do Not Use Chemical Cleansers. If the unit gets dirty please wipe with a soft cloth to remove any dirt. Do not use chemical cleansers such as thinner, benzene, or alcohol
- Do not install the product in any place subject to high temperature or any place where water may be splashed.
- Make sure to replace all screws and parts to their original place.
- Do not install the product in a place where it will cause distraction.
- Do not, in any manner, process, take apart, or make changes to this product.

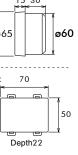
## **Features**

Scale designed to match maker gauges, this can switch illumination color between red and white and comes with specialized holder for installation to air vents

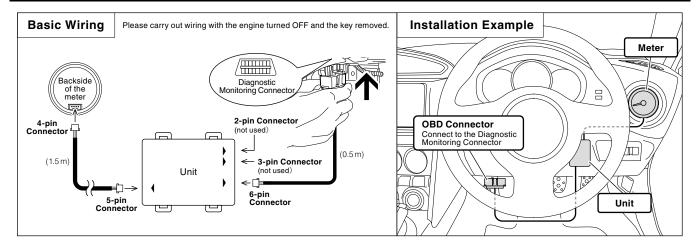


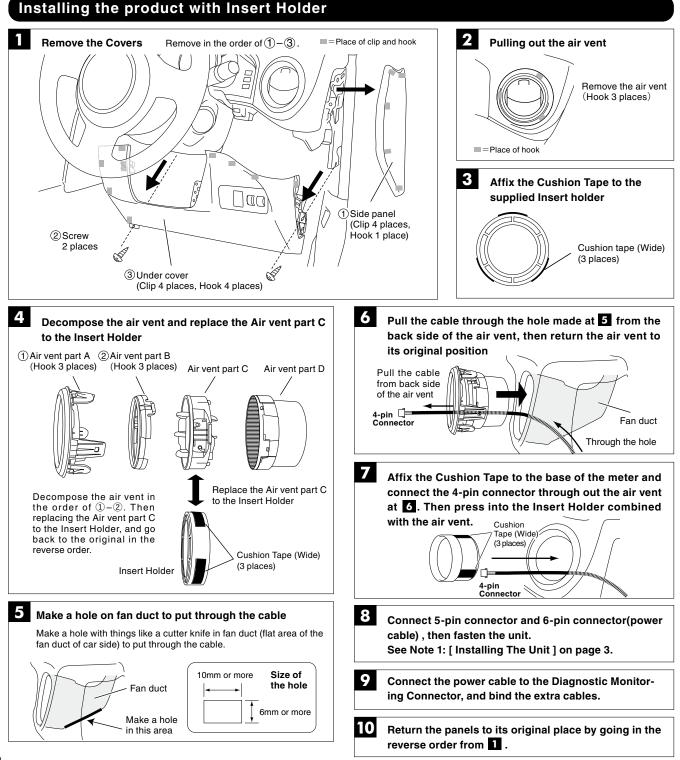
## Part Names and Displays

1 Analog Display	Display Water T	Size [Unit:mm]	
2 Needle	Shows the curre	ent values and peak value.	Meter
3 Switch	Use to change r and reset the pe	nodes of digital display eak value.	
4 Digital Display	Display switche	ø65 ø60	
5 Illumination (night illumination)	Normally illumin and Three-step	ated when on display dimming.	
	Analog Display	Dial : White or Red (switchable) Needle : Red	<b>Unit</b> 70
	Digital Display	Red	
6 Display Range	Analog Display	Water Temp [20-120 °C]	
	Digital Display	Voltage [ 8–18V] Oil Temp [ -35–150 °C ]	Depth22



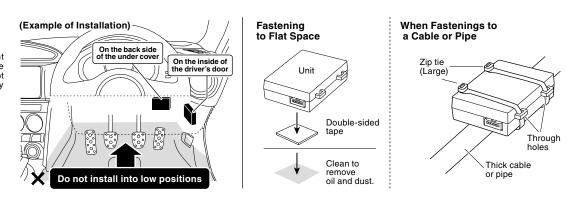
## Wiring Method and Installation







As shown in the right diagram, fasten the unit into positions not usually affected by water.



### Installing the product without Insert Holder

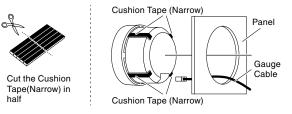
- Decide a install location of the meter and connect the 4-pin connector, then fasten the meter.
- Connect 5-pin connector and 6-pin connector(power cable), then fasten the unit. See Note 1: [Installing The Unit] above.
- Connect the power cable to the Diagnostic Monitoring Connector, and bind the extra cables.

### **Installing The Meter**

#### A Installation with the Meter Holder 1.Fasten using the 2. After deciding the position 3.Affix the Cushion Tape (Narrow) to the base of the meter, connect the Gauge Cable to double-sided tape. and angle of the meter face, the Meter, and install the Meter into the Meter Holder. Please add the Cushion fasten the Hexagonal bolt Tape if the Meter not fixed. V on both sides to secure. Cushion Tape Meter Holder Cushion Tape (Narrow) (Narrow) Double-sided tape Clean Back side to remove of Meter oil and dust Note : Please be sure about [**1**23-31] where you wish to install the OVII **Cushion** Tape meter, as it is not advisable to Hexagonal bolt (Narrow) Gauge Cable Connecto reuse double-sided tape.

### B Installation to panel or something

Cut the Cushion Tape (Narrow) in half, affix to base of the Meter to be on press fit condition with adjusting number. And connect the Gauge Cable to the Meter and insert into the panel.

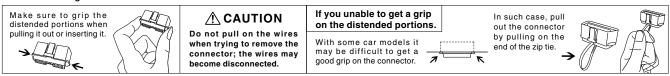


### If connect the power cable to IGN

The meter start-up and stop is differ in power connection method.

The meter start-up and stop is unter in power connection method.		•	OBD Cable	-P	Diagnastia	Cut Connector
Normal (not using IGN Cable)	IGN (using IGN Cable)				Diagnostic Monitoring	
Linked to the ECU	Linked to the key switch				Connector	
Unplug the connector of <b>Yellow</b> ) and <b>Red</b> cable of O <u>BD Cab</u> le and				low	IGN	
connect <b>Yellow</b> cable of IGN Cable into the connector on <b>Yellow</b> cable,				IGN Cable	(12V wi	ith Key Switch ON)
then connect to IGN cable to IGN of car. (Do not connect to Acc)					•	

Notes about using the OBD Connector

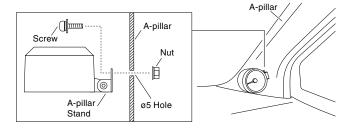


### How to use the Cut Connectors

	al off of the vinyl cover at end of the product's wire.	4 Close tightly with cut connector.	5 Insulate with vinyl tape.	When crimping, please use crimpers or use pliers to bend and then solder together.
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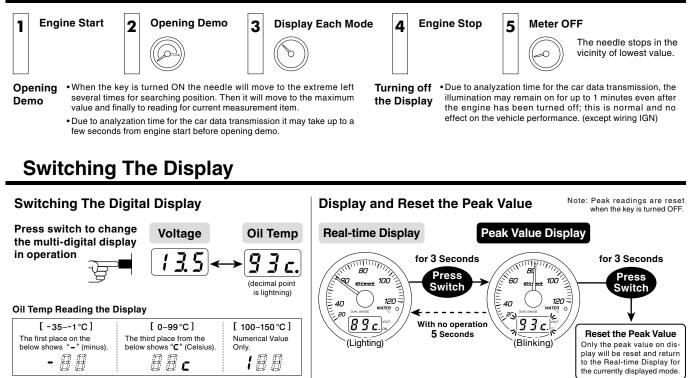
### C Installation to A-pillar using A-pillar Stand

Make a ø5 hole on the place to install the meter of the A-pillar, and fix the Meter using A-pillar Stand with Screw and Nut.

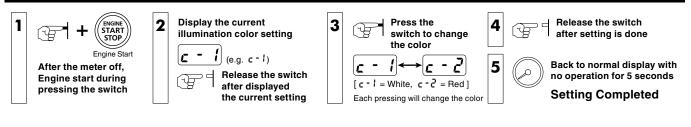


## (The installing car model mentioned in the Compatibility list or the display does not lit with engine start sometimes.)

## **Basic Operation**

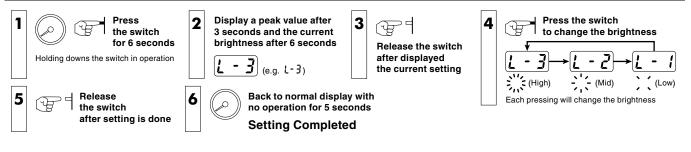


## Illumination color settings



## Illumination brightness settings

Adjustment in case of anxious about reflected illumination of door mirror or something



## Troubleshooting

Trouble	Possible Causes	Possible Solutions	
Does not work with Engine start.	Poor connection of <b>Gauge cable</b> , 6-pin Connector or OBD Connector wires.	Please reconfirm whether wiring and connections are correct or not.	
	The unit has been installed into an incompatible car model.	Please reconfirm the fitting list.	
Upon starting up, the unit will not start in the newly changed display.	Because after changing displays, if the car's engine is turned off within 3 seconds, the new setting will not be stored, make sure to wait at least 3 seconds before turning the engine off.		
Before the opening demo starts the needle briefly moves.	This is due to a special characteristic of the meter and is not a malfunction.		
The displayed values are different from the standard meter.	Due to the ECU information received, the displayed values on this product may differ from those of standard or other meters.		

(Note) • Our products have already been recognized as our Industrial Property or are in the process of receiving Industrial Property status.

• We plan in the near future to take all possible legal measures to protect against unfair competition from look-alike products using similar designs, regulating characteristics, circuitry and circuitry layout.

• We strictly prohibit the unlicensed use of the PIVOT trademark and the unauthorized use of PIVOT User's Manual.