

USER'S MANUAL

POWER MONITOR

0-100km/h TIME WATER TEMP

VOITAGE

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

▲ WARNING

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 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.

⚠ CAUTION

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.
- 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 in combination with other PIVOT products that use Diagnostic Monitoring Connectors please see our Web Site at http://pivotjp.com/obd-e/.

Please check the contents of the package







Unit [50×34×14(D)mm] [51×35×20(D)mm]



OBD Cable with fuse 3A



IGN Cable with fuse 3A



with Cover



Male Connector Female Connector with Cover × 2



Double-sided Tape



Zip Tie Cut Connector

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User's Manua (This Book)

Features

Easy-to-Install, Automatically Measure 0-100km/h Time for Power check.

■ 0-100km/h Time

Automatically Measure 0-100km/h Time to set speed from stop. Measurement speed=40/60/100(km/h)

*When measuring on public roads, observe the speed limit.

Multi-Data Display

Switch between 0-100km/h Time, Water Temperature and Voltage in the same unit.

Easy Installation

Simply connect to the diagnostic monitor connector.

■ Thin Compact Monitor

14mm Flat-Design allows for Unobtrusive Installation.

Peak Hold

The highest value of Water Temperature and the lowest value of Voltage will be displayed.

Part Names

1 Display

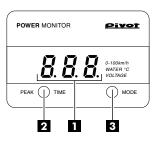
Display 0-100km/h Time, Water Temperature and Voltage.

2 PEAK/TIME Switch

Use to display and reset the peak value and measure the time.

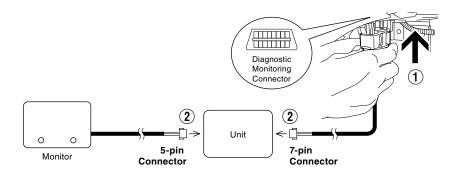
3 MODE Switch

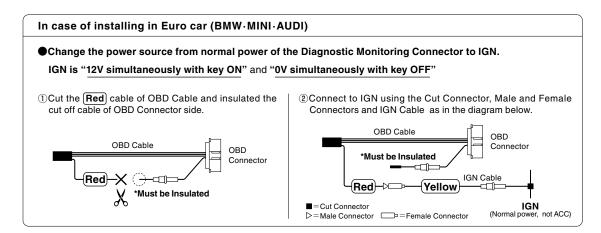
Use to change display modes.

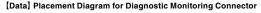


Connecting the Wires

- 1 Insert the OBD Connector to the Diagnostic Monitoring Connector.
- ② Insert the 5-pin Connector from the Monitor and 7-pin Connector from the OBD Cable to the Unit.









SUBARU

SUZUKI

DAIHATSU 2345

(2)(3)

2(4)

1) By the accelerator pedal

- 2 At the right foot of the driver seat (with lid) 3 At foot of driver seat in the center (with lid)
- 4 At the left foot of the driver seat (with lid) S At the right side of the center console
- 6 At the right foot of the passenger seat The Behind the panel by the steering (with lid) ® At the left foot of the passenger seat
- 9 At the left side of the center console @ Panel to right of steering wheel (upper part of small storage box)

[Reference 1] Notes about using the OBD Connector



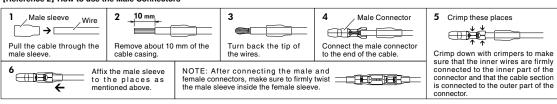
portions.

[Reference 2] How to use the Male Connectors

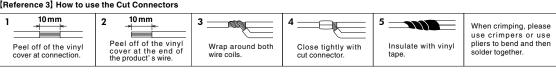
NISSAN (1) 2) 3 (4) 5 (7)

HONDA 245689

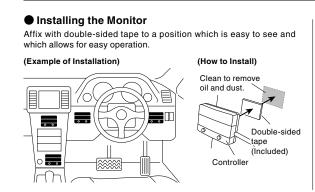
MITSUBISHI 2345

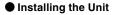


[Reference 3] How to use the Cut Connectors

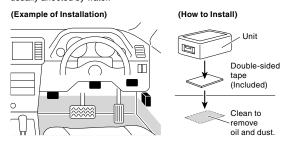


Installing the Product





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



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Please be sure to bundle away all wires with tape, etc...

While in use if wires become free they may interfere with driving and cause accidents.

Also, wires which are smashed or crushed may result in a short and can be extremely dangerous.

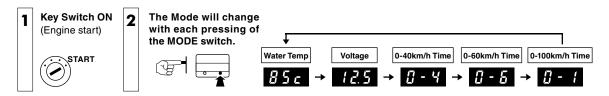
Basic Operation

Due to analyzation time for the CAN data transmission it may take up to 5 seconds from engine start before the display lights up.

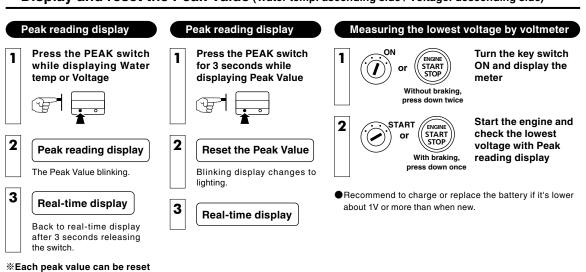
This product is interlocked with the ECU (engine computer) power. Depending on the model of car, the illumination may remain on for up to 3 minutes even after the engine has been turned off; this is normal.

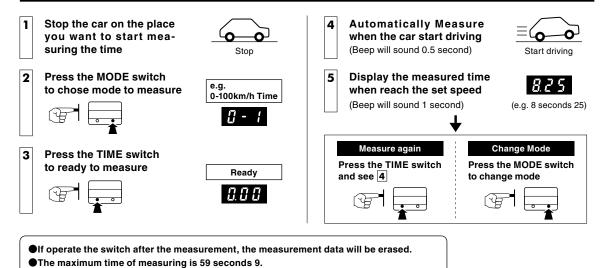
Change Display Modes

by the key OFF.



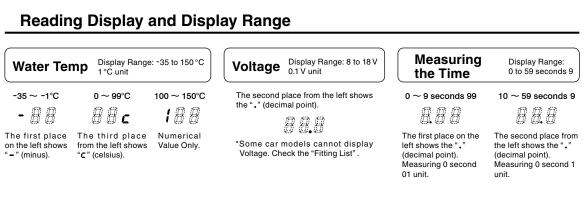
Display and reset the Peak Value (Water temp: ascending side / Voltage: descending side)





lacklacklack If you stop the car while measuring, the display will return to step lacklacklack .

●If the measuring time will be more than 59 seconds 9, the display will return to step 2 .



Troubleshooting

Trouble	Possible Causes	Possible Solutions
Does not become ready in measuring the time.	The car is not stopped completely.	Stopped the car completely and press the TIME switch.
The measured values are different from the standard meter.	Standard Meter appears slightly higher (about 10km/h).	The display of this product is correct.
Upon starting up, the unit will start in the newly changed mode.	The car's engine is turned off within 3 seconds after changing modes.	Stop the car's engine after more than 3 seconds after changing modes.
Does not work with Engine start.	Poor connection of 5-pin Connector, 7-pin Connector or OBD connector.	Please reconfirm whether wiring and connections are correct or not.
	The unit has been installed into an incompatible car model.	Please check the "Fitting List".

**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.