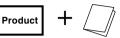
Tachometer **PROGAUGE-PT5-W**

USER'S MANUAL

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

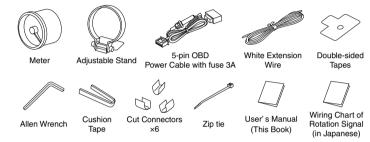
If this product is given to another user, make sure to include this User's Manual.



Contents

Contents/WARNING/CAUTION	
Contents/WARNING/CAUTION	1
Features	1
Part Names and Functions	1
Connecting The Wires	2
Connection for Cylinder Number Setting	3
Fastening The Product	4
Basic Operation	4
Troubleshooting	4

Please check the contents of the package



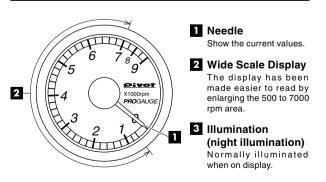
WARNING Improper use or disre- gard of these warnings may result in the injury or death of people.	 Do not work in areas where there is excessive exhaust. Due to vehicle exhaust emission poisoning or fire may result in a damage to humans. Do not operate while driving. Operating or checking the display during driving may cause an acci- dent; please use with the utmost consideration for safety. 	•During installation be sure to remove the minus cable from the battery. So as to prevent fire and damage resulting from shorting of circuits, etc •Do not crush the cable. Please be careful that the cable dose 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.	•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 inter- fere with driving.
CAUTION Improper use or disre- gard of these warnings may cause injury to per- sons, damage the prod- uct and / or other things.	 Do not use electrotap. Wiring should be carried out using the attached "Cut Connector" or by soldering, make sure to securely insulate all wiring parts with insulation tape, and confirm that no wires are sticking out. This product is for DC12V cars. Installation cannot be carried out on cars with other voltage batteries. Do not, in any manner, process, take apart, or make changes to this product. 	 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. Make sure to replace all screws and parts to their original place. 	 Do not install the product in any place subject to high temperature or any place where water may be splashed. If you are not confident about doing the wiring yourself, please consult your local pro shop or garage. When installing this product, we recom- mend that if technical knowledge be- comes necessary please consult a quali- fied mechanic. Do not install the product in a place where it will cause distraction.

Features

The PT5-W is a compact tachometer that can be easily connected to some Toyota, Daihatsu and MINI models by simply connecting the coupler to the Diagnostic Monitoring Connector and for all other model cars can be wired directly for easy installation.

No Wiring Simple Coupler Connection	With some car models it is possible to connect directly using the coupler to the Diagnostic Monitoring Connector.
1-, 3- and 4-cylinder Compatible with wide range	Compatible with 1-, 3- and 4-cylinder cars (4 cycle engine).
All-in-one Body No separate controller necessary.	The meter is of one-body solid con- struction making it easy to install with only double-sided tape. (No other mounting required)
No need for Opening Holes	Fastening with double-sided tape means no need for opening holes.
Translucent Illumination	The translucent LED system provides a clear even display.

Part Names and Functions



Opening Demo

During the opening demo, the needle will move slightly to minus several times. Then it will move to the maximum value and finally to reading for current values.

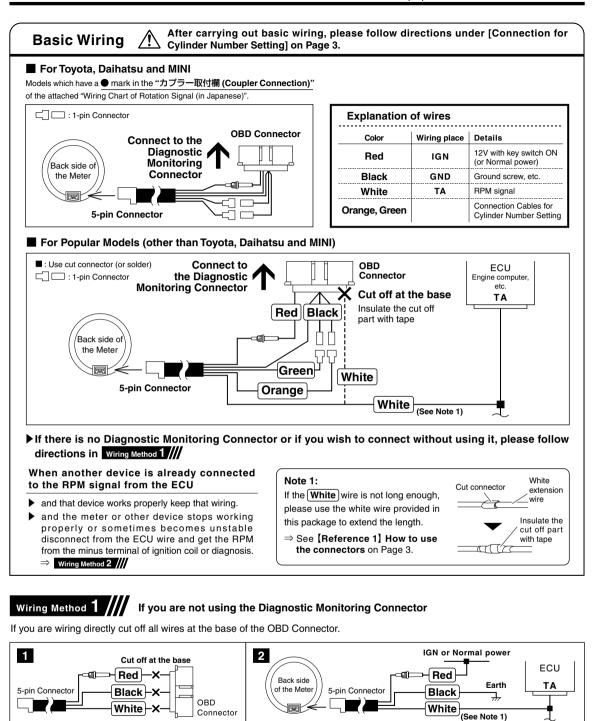


PROGAUGE

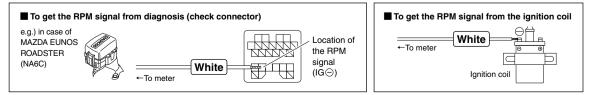
TACHO METER Ø52

STEPPING DRIVE

Preparation



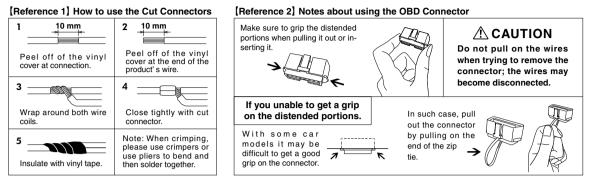




About Using OBD Products in Combination

If you wish to use PT5-W in combination with products in our 3-drive Series or other OBD products, the "OBD2 Wiring Kit OBD-EH" (sold separately) makes installation a snap. For more details about using combinations of products see here. https://pivotjp.com/obd-e/

Note: When using the PT5-W with products mentioned above, they can only be used together in compatible model vehicles for both products.



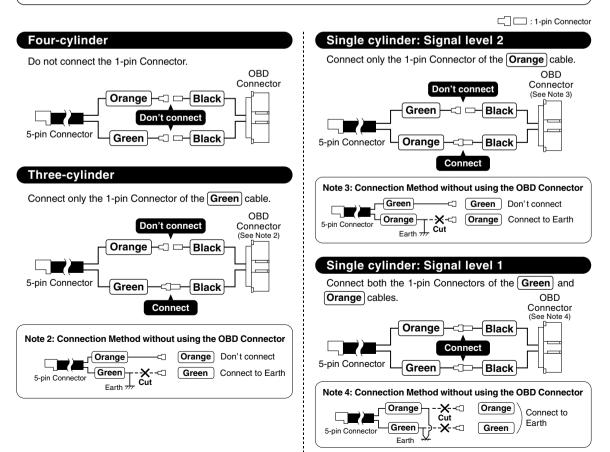
Connection for Cylinder Number Setting

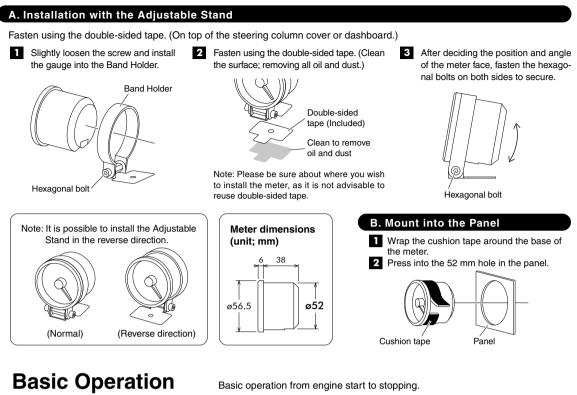
Preparation For details about the number of cylinders and signal level settings, see the attached the "Wiring Chart of Rotation Signal".

Depending on the number of cylinders make connections and insert the OBD Connector to the car's Diagnostic Monitoring Connector as directed below.

To make cylinder number settings, there are a total of four cables which may be used: 2 [Black] (Body Earth) cables from the OBD Connector and 1 [Orange] and 1 [Green] cable from the meter itself.

After having completed cylinder number settings, disconnect the OBD Connector or the 5-pin Connector and reinsert it again. If this is not carried out the settings will not change.





2

1	Key Switch
•	ON
	(Engine start)

Opening Demo

C

It will not operate properly unless the wiring to the RPM signal has been completed.



Current RPM display

Key Switch OFF (Engine stop)

Meter OFF

5

Note: Due to characteristics of the gauge, even though the engine is off and the gauge is not measuring, the needle will not return to "0".

Troubleshooting

Trouble	Possible Causes	Possible Solutions
The tachometer does not work.	The engine does not start.	Start the engine.
(The Opening Demo does not work.)	Poor connection of 5-pin Connector cable or OBD Connector.	Check the connections at each connector.
	Poor connection of (Red) , (Black) , (White) wire. (It will not operate properly unless the wiring to the RPM signal has been completed.)	Check the wire connections or conditions.
	The Connection for Cylinder Number Setting is incorrect.	See [Connection for Cylinder Number Setting] on Page 3 and make sure to connect as directed for the number of cylinders.
The car's tachometer and PT5-W reading are very different.	The cylinder setting is wrong.	See [Connection for Cylinder Number Setting] on Page 3 and make sure to connect as directed for the number of cylinders.
The meter is operating even when the engine has been stopped.	Noise from the car (door locks and so on) may cause it to temporarily operate.	If the operation is only temporary it is not a malfunction; but if it still causes worry cut the Red wire in the OBD Connector and connect it to IGN.
With the key off, the needle does not rest on "0".	This is a special characteristic of the meter's movement and is not a malfunction.	
The auto-power window function and/or other electronic devices are re-set.	This is due to the minus terminal on the battery being disconnected.	Re-connect the minus terminal and follow re-setting instructions for any affected devices.