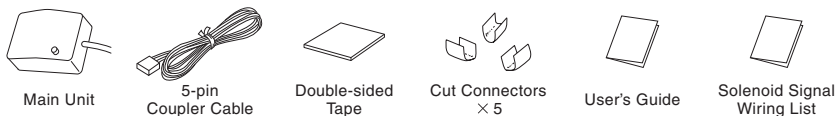


USER'S GUIDE

GEAR POSITION MONITOR

Thank you for purchasing PIVOT "GPM". Please read these instructions carefully before installing or using this device. Please do not lose this user's guide, as you will held liable for the cost of reissuing it.

Please check the contents of the package



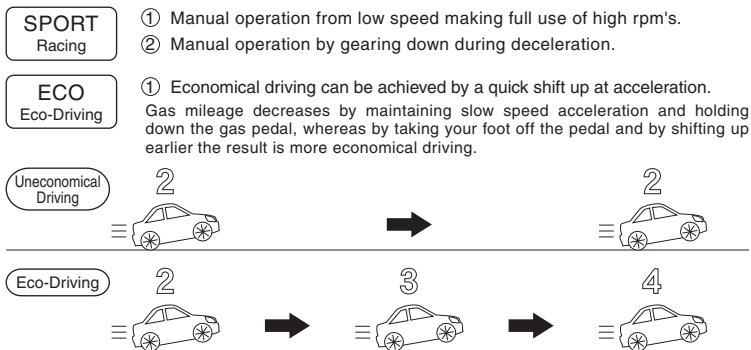
<p>CAUTION Improper use or disregard of these warnings may result in the injury or death of people.</p>		
<p>Do not work in areas where there is excessive exhaust Due to vehicle exhaust emission poisoning or fire may result in a damage to humans.</p>	<p>During installation be sure to remove the \ominus cable from the battery So as to prevent fire and damage resulting from the shorting of circuits, etc...</p>	<p>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.</p>
<p>Please securely fasten the product to a stable place It is very dangerous if, while in use, the product falls off and in terferes with braking</p>	<p>Please 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.</p>	<p>Do not operate while driving Operating or checking the display during driving may cause an accident; please use with the utmost consideration for safety.</p>

<p>NOTE Improper use or disregard of these warnings may cause injury to persons, damage the product and / or other things.</p>		
<p>If you are not confident about doing the wiring yourself, please consult your local pro shop or garage When installing this product, we recommend that if technical knowledge becomes necessary please consult a qualified mechanic.</p>	<p>This product is for DC12V cars; installation cannot be carried out on cars with other voltage batteries.</p>	
<p>Do not use electrotape 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.</p>	<p>Do not, in any manner, process, take apart, or make changes to this product</p>	<p>Do not install the product in any place subject to high temperature or any place where water may be splashed</p>
<p>Do not install the product in a place where it will cause distraction</p>	<p>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 loses adhesiveness.</p>	<p>Make sure to replace all screws and parts to their original place</p>

WHAT CAN THE GPM DO?

1. For all styles of driving: from Racing to Eco

Knowing the gear position allows for full use of different kinds of driving techniques.



② Manual operation by gearing down during deceleration.

2. Position Display

Displays gear position while moving (as in D).

When the key is switched on, the current gear position is displayed.

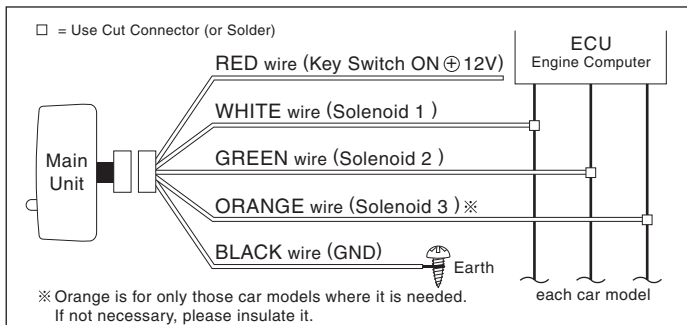


3. Other Features

- Easy Set-up / Accurate Display.....Because the gear position is detected using the solenoid signal, there is no need for complicated settings and results in an accurate display without error.
- Large Display and Adjustable Brightness Function.....The large LED at a height of 16mm and the adjustable light function make for and easy to read display.
- Skeleton Black.....The Display shines through the skeleton black case.
- Compatible with Wide Range of Car Models.....DC12V·Automatic car (For details, see the List of Compatible Car Models.)
- Compact Body.....The product's compact one piece body allows for easy installation without worrying about place and position.

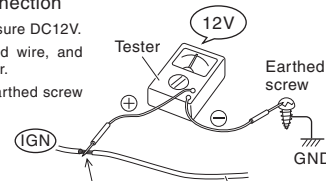
CONNECTING THE WIRES

Preparation Before installation, please check the signal position on the separate sheet "Solenoid Signal Wiring List".



[Reference 1] Checking Red wire connection

- Using a tester, put into a range that can measure DC12V.
 - Peel off the cover in the middle of the Red wire, and make contact with the \oplus terminal of the tester.
 - Connect the \ominus terminal of the tester to an earthed screw (body earth).
 - Turn the key switch ON.
 - The tester reads about 12V → The Red wire connections is fine.
 - The tester does not read about 12V → The connection place is incorrect or the contact is poor.
- ※ After checking, make sure to insulate the wire where you peeled off the cover.

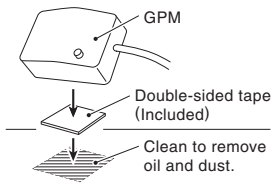


How to Use the Cut Connectors		If soldering is possible, please do so.	
1	Peel off about 10mm of the vinyl cover at connection.	3	Twist the uncov ered wires.
2	Peel off about 10mm of the vinyl cover at the end of the product's wire.	4	Close tightly with cut connector.
		<p>※ Use a crushing tool to press the cut connector, if you do not have such a tool, use pliers or such to fold and crush the connector to gether for a secure contact.</p> <p>※ After covering, make sure to insu late properly with vinyl tape.</p>	

METER INSTALLATION

Install in an easy-to-view location.

- 1** Clean oil and dust from the main unit and from the area where you wish to affix it.
 - 2** Make sure to securely affix it with the double-sided tape provided in the kit.
- ⚠ Do not reuse the tape; it will lose adhesiveness.

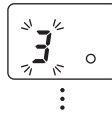


CAR MODEL SETTINGS

After finishing the installation, make car model settings.

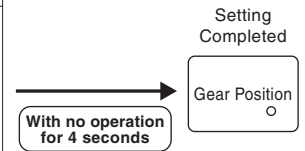
Preparation Please check the car model settings found in the "Solenoid Signal Wiring List".

- 1 While pressing switch turn the key switch ON**
 - The current setting will blink.
- 2 By pressing the switch it is possible to change the car model setting**
 - By pressing the switch it is possible to change the car model setting.
- 3 Setting Completed**
 - After four seconds of non-operation the settings will be finalized and the display will change to show the gear position.
 - Once the car model setting has been done once, it is not necessary to do again.



⚠ **※ About Demo Mode**
If it is set to Demo Mode, the display will change randomly without any connection to actual gear position.

Display and Car Model Settings	
1 (Car Model Setting ①)	6 (Car Model Setting ⑥)
2 (Car Model Setting ②)	7 (Car Model Setting ⑦)
3 (Car Model Setting ③)	8 (Car Model Setting ⑧)
4 (Car Model Setting ④)	
5 (Car Model Setting ⑤)	d (Demo Mode) ※



GEAR POSITION DISPLAY

In order to view gear position, there is no need for any special operations. Simply by turning the Key Switch to ON, the gear position is displayed.



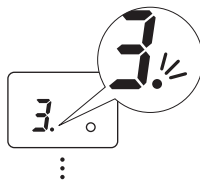
IMPORTANT

- Due to the signals in some car models, the P / N / R positions may not be displayed properly, but the moving range (such as D) will display properly.
 - This product is for the display of gear position in the moving range (such as D), the shift position (P / N / R / D) is not displayed.
 - When talking off, make sure to check the shift position display being careful not to move in the wrong direction.
- EX: In P position, 3 will be displayed.

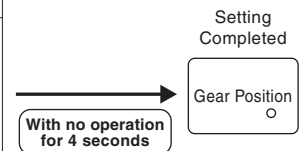
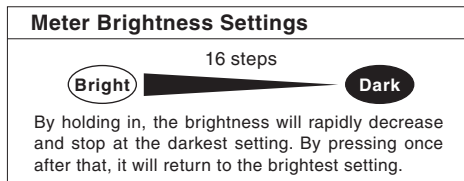
ADJUSTING THE DISPLAY BRIGHTNESS

Adjust the brightness so that it is easy to read.

- 1 With the car key in the ON position, press the Switch**
 - The current gear position and the dot will lit up.
- 2 By pressing the switch it is possible to adjust the brightness**
 - By pressing the switch it is possible to adjust the brightness in sixteen steps.
- 3 Setting Completed**
 - After four seconds of non-operation the settings will be finalized and the display will change to show only the gear position.



⚠ **About the Display while Making Settings**
While making brightness adjustment settings, the gear position is continually displayed.



TROUBLESHOOTING

Please make the following checks before seeking repair.

Trouble	Possible Causes	Possible Solutions
The display does not work when the key is turned ON.	Poor connection of IGN.	<ul style="list-style-type: none"> Check the Red wire connections or conditions. Check to make sure of a proper connection to the IGN. (See [Reference 1])
	Poor connection of GND.	<ul style="list-style-type: none"> Check the Black wire connections or conditions. Make sure that there is a connection to a place that is earthed.
The display changes even without having taken off.	The car model setting is set for Demo Mode.	Check the car model settings in the "Solenoid Signal Wiring List" and if necessary redo the model settings.
Something is wrong with the gear position display.	The car model setting is incorrect.	Check the car model settings in the "Solenoid Signal Wiring List" and if necessary redo the model settings.
	Contact failure of White·Green·Orange wire.	Check each wire connections or conditions.
	In some car models the P (park) and R (reverse) display may be incorrect, but during driving the display will function properly. (See Gear Position Display [IMPORTANT])	