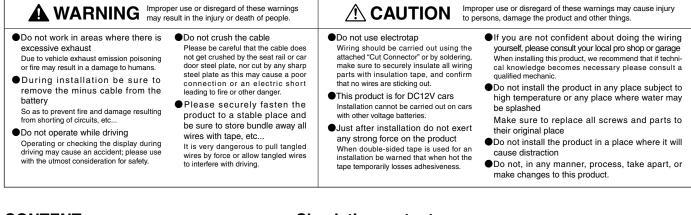
USER'S GUIDE

Thank you for purchasing this PIVOT product

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.



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FEATURES

PT6 units can be connected easily to Toyota, Daihatsu and MINI models by simply connecting the coupler to the diagnostic monitor connector and for all other model cars be wired directly.

Our PT6 is a compact (only 60ø) tachometer with a built-in sequential shift lamp like those used in F-1 racing that can be used in all types of driving from sports driving to eco-driving.

All-in-one Unit Two types of display; Real / Peak. All-in-one Unit No separate controller necessary. No need for Opening Holes Fastening with double-sided tape means no need for opening holes. Translucent Illumination The translucent LED systempro- vides a clear even display.	monitor connector.				ig lights as you approach the set rpm.
		2 types of Display	All-in-one Unit		
	,	Two types of display; Real / Peak.	No separate controller necessary.		

No Wiring (some car models)

With some car models it is possible to connect

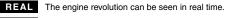
Function

1▶8

Two types of display

Two types of display; Real-time / Peak reading.

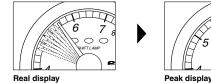
Compatible with cylinder wide range All 1-8 cylinder cars compatible.



PEAK Show the peak reading after the engine begins running.

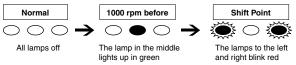
6 7

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Shift Lamp (Setting range; 3000 - 9000 rpm, 200 rpm unit)

In order to prevent over-revving while shifting, an F-1 sequential type shift has been included, which shows a green lamp 1000 rpm before the set engine rpm and a red lamp at the shift point.



Opening Demo

When the key is turned ON the needle will move to the extreme left several times for searching position. Then it will move to the maximum value and finally to reading for current measurement item.



The sequential lamp system gives you



For Sports driving

The shift point should be calculated by subtracting the over-rev at shifting from the rpm at which the maximum engine torque occurs.

Note: In general it would be about 90% near the red-zone. (Ex: If the red-zone is 7500 rpm, then use 6800 rpm.)

Some tips for setting the Shift Point !

For Eco-driving

When using for Eco-driving, it is best to use a lower rpm point as the shift point, so set the point at 1000 rpm higher than normal and shift when the green lamp comes on. Note: The above is for your reference only: please make settings as desired

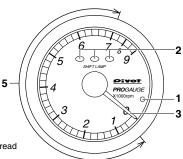
PART NAMES

- 1 Switch
 - Use to change modes and/or settings.
- 2 Shift Lamp (LED) Blinks at the set rpm.

3 Needle

- Show the current values 4 Illumination (night illumination)
- Normally illuminated when on display 5 Wide Scale Display

The display has been made easier to read by enlarging the 500 to 7000 rpm area.



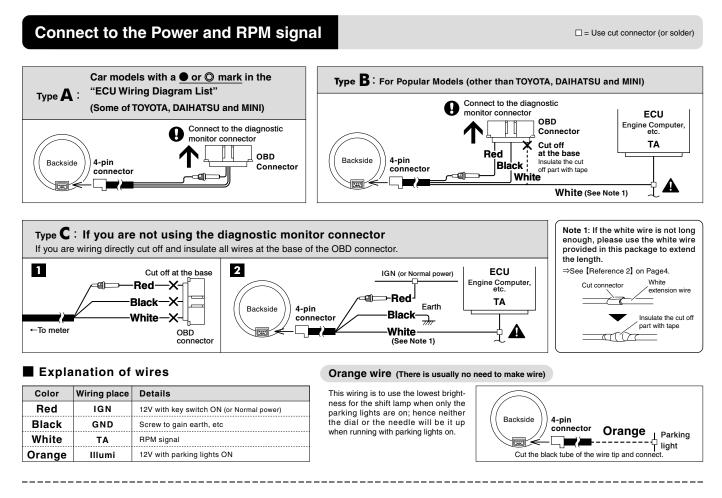
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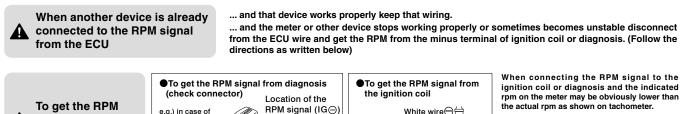


PROGAUGE

PING DRIVE

TACHO METER $\emptyset 60$



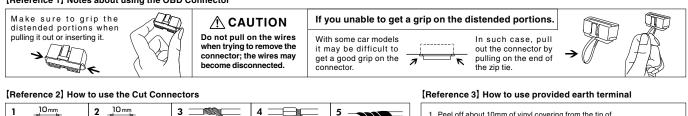


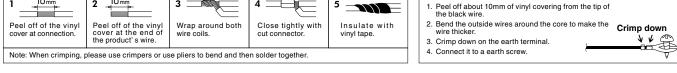
White wire e.a.) in case of signal from other MÁZDA EUNOS e.g.) For a 6 cylinder car, the reading should be 3000 rpm, but display shows 500 rpm. ROADSTER ←To meter 6 than the ECU (NA6C) This may be caused by the individual wiring system ₩ TFF/TTR of that model of car. Change the cylinder setting to "1". (See page 3 SETTING A) for details.) Ignition coil White wire ←To meter

About Using OBD Products in Combination

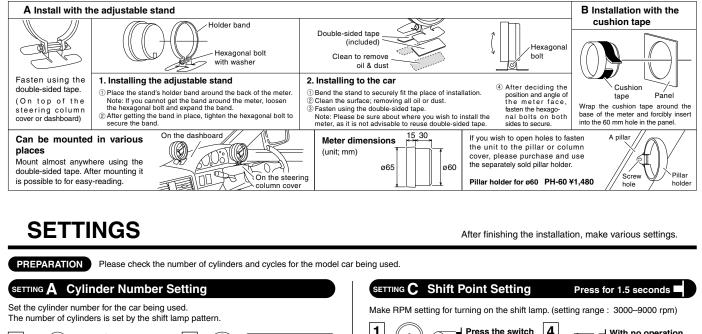
If you wish to use PT6 in combination with products in our 3-drive Series or other OBD products, the "OBD2 Wiring Kit OBD-EH" (sold separately \pm 3,200) makes installation a snap.For more details about using combinations of products see here. \Rightarrow http://pivotjp.com/obd-e/ Note: When using PT6 with products mentioned above, they can only be used together in compatible model vehicles for both products.

[Reference 1] Notes about using the OBD Connector



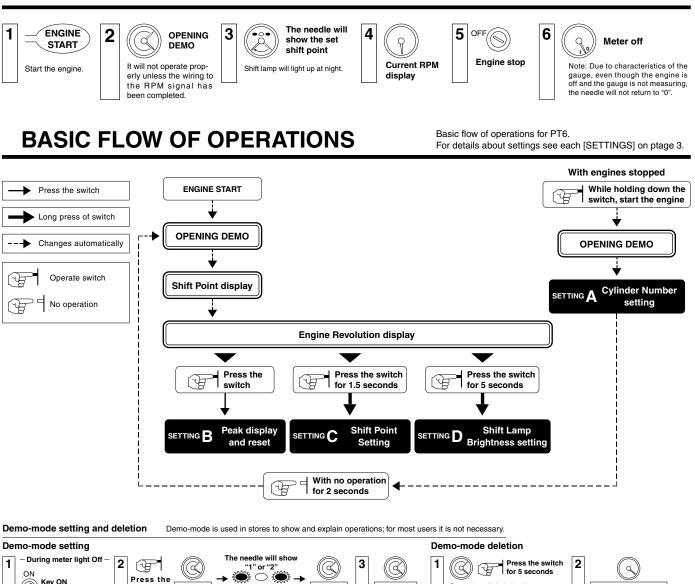


METER INSTALLATION



Set the cylinder number for the car being used. The number of cylinders is set by the shift lamp pattern.	Make RPM setting for turning on the shift lamp. (setting range : 3000–9000 rpm)
 OFF Press the switch Press the switch during the key switch OFF (meter light off) Cylinder display O Cylinder display O Cylinder display O Che factory default setting is for a four-cylinder engine) START While holding the switch, start the engine within 5 seconds. 	While the tachometer is being displayed, press the switch for long. The needle will show the set shift point The lamps blink red
pattern and set to the proper one	raise, the setting 200 rpm; at 9000
Turn 4-cylinder 5 6 8 Special A 1 2 3	
Patterns for cylinder settings display	utt
Number of Shift lamp Car models	SETTING D Shift lamp brightness setting Press for 5 seconds
cylinders offinitianip offinitianip 1 ● ○ ○ NISSAN (FAIRLADY Z Z33) • MAZDA (ATENZA and others)	Make setting to change the shift lamp brightness.
2 • MAZDA (RX-8) • SUBARU (early type of PLEO and others)	I With no operation
Note: For one and two cylinder engines, ⇒ See SETTINGE for details	Image: 1 Image
set the signal level switch to two.	While the tachometer is being
3 • • Three-cylinder	displayed, press the switch for long. 5 (() Tachometer display
4 • Four-cylinder, Rotary engine (RX-7)	2 After 1.5 seconds the shift
5 • • • Five-cylinder	point will be shown and after 5
6 • • • Six-cylinder	seconds All lamps will light
8 • • • Eight-cylinder	All shift lamps will light
Special A Some models of NISSAN	
Reference: If the engine is a two cycle engine, multiply the number of cylinder by two. (e.g., For a two-cycle three-cylinder engine the setting would be six.)	3 Press the Bright Dark Each pressing will change the brightness.
6 With no operation for 2 seconds 8 The needle will show the set shift point	
July July	
	SETTING E Switching the signal level Press for 5 seconds
Image:	
9 Tachometer displ	Av Av Av Av Av Av Av Av Av Av
SETTING B Peak reading display and re-set Press	1 — During meter light Off — 3
	Key ON Key ON OPENING DEMO
1 Press the 4 The needle will show "0"	(engine not running)
switch once	
While the tachometer is being displayed, press the switch once.	2 Press the switch for 5 seconds
	The lamps blink red
2 Peak reading display 5 Tachometer displ	ay 5 Press the $1 = $ If the generic car $2 = $ If the level is small Set the signal detection level by 2 1
3 Press the switch for 2 seconds	pressing the switch to change the needle position to the correct setting.
Pressing the switch will re-set the peak reading.	6 With no operation for 2 seconds 7 Lamp Off
	3

BASIC OPERATION



TROUBLESHOOTING

Key ON (engine not running) Press the

switch for 15 seconds

OPENING

DEMO

The lamps blink red 5 times

Trouble	Possible Causes	Possible Solutions	
The OPENING DEMO does not work.	The engine does not start.	Start the engine.	
	Poor connection of each wire. (It will not operate properly unless the wiring to the RPM signal has been completed.)	Check the wire connections or conditions.	
Engine is running but the tachometer	Poor connection of each wire.	Check the wire connections or conditions.	
does not work.	Poor connection of 4-pin connector cable or OBD connector.	Check the connector connections or conditions.	
	The signal detection level is not correct.	See page 3 [SETTING E] and [Wiring Chart], make any necessary changes.	
The car's tachometer and PT6 reading are very different.	The cylinder setting is wrong.	Due to difference in accuracy, readings may not be the same as those on the standard tachometer. See page 3 [SETTING A] and make any necessary changes.	
	The signal detection level is not correct.	See page 3 [SETTING E] and [Wiring Chart], make any necessary changes.	
The shift lamp does not light up.	The engine rpm has not reached the set shift point.	See page 3 [SETTING C] and make any necessary changes in the rpm shift point.	
Even with the parking lights on,	Poor connection of orange wire (12V with parking lights ON).	Check the orange wire connections or conditions.	
brightness of the shift lamp does not decrease.	The shift lamp brightness setting is set too low.	See page 3 [SETTING D], please check the setting.	
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.	

OPENING

DEMO

Demo

Operations

Press the switch during the

Demo-mode operations

Demo-mode deletion

(Meter light Off)