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.

WARNING Improper use or disregard of these warnings may result in the injury or death of people. Improper use or disregard of these warnings may cause injury to persons, damage the product and other things Do not work in areas where there is •Do not crush the cable Do not use electrotap If you are not confident about doing the wiring Please be careful that the cable does not get crushed by the seat rail or car Wiring should be carried out using the attached "Cut Connector" or by soldering, excessive exhaust yourself, please consult your local pro shop or garage Due to vehicle exhaust emission poisoning When installing this product, we recommend that if technimake sure to securely insulate all wiring parts with insulation tape, and confirm that no wires are sticking out. or fire may result in a damage to humans door steel plate, nor cut by any sharp steel plate as this may cause a poor cal knowledge becomes necessary please consult a qualified mechanic. • During installation be sure to connection or an electric short Do not install the product in any place subject to remove the minus cable from the leading to fire or other danger. This product is for DC12V cars high temperature or any place where water may battery Please securely fasten the Installation cannot be carried out on cars So as to prevent fire and damage resulting be splashed product to a stable place and with other voltage batteries from shorting of circuits, etc. Make sure to replace all screws and parts to be sure to store bundle away all Just after installation do not exert Do not operate while driving their original place wires with tape. etc... any strong force on the product Do not install the product in a place where it will Operating or checking the display during It is very dangerous to pull tangled When double-sided tape is used for an driving may cause an accident: please use cause distraction wires by force or allow tangled wires installation be warned that when hot the with the utmost consideration for safety. to interfere with driving Do not, in any manner, process, take apart, or tape temporarily losses adhesiveness make changes to this product.

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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.

	directly monitor	directly using the coupler to the diagnostic monitor connector.			The sequential lamp system giv warning lights as you approach the s		
2 types of Display	All-in-one Un	t	No need for Opening Holes	s]	Translucent Illumination	
Two types of display; Real / Peak.	No separate controller necess	ary.	Fastening with double-side	d tape noles.		The translucent LED syste	

No Wiring (some car models)

cylinder wide range

All 1-8 cylinder cars compatible.

Compatible with

Function

1▶8

Two types of display

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

REAL The engine revolution can be seen in real time.





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.



emprovides a clear even display.



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. (e.g., If the red-zone is 7500 rpm, then use 6800 rpm.)

means no need for opening holes.

Some tips for setting the Shift Point !

For Eco-driving

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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.



(PT6 / As of February, 2021 No.10

STEPPING DRIVE TACHO METER $\emptyset 60$

/				9	
	Adjustable Stand	Double-sided Tapes ×2	Allen Wrench	Cushion Tape	
<u>j</u>			A		
er (4-pin OBD Cable with fuse 3A	White Extension Wire	Earth Terminal	Zip tie	Use Wii

PROGAUGE

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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) makes installation a snap.For more details about using combinations of products see here. ⇒ https://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



SETTING		er Number Se	etting	SET	TING C. Shift Point Settin	a Pr	ess for 1.5 seconds
Cot the out	inder number fo	with a car being up	ad				
The number	er of cylinders is	s set by the shift la	mp pattern.	Make	e RPM setting for turning on the shi	ft lamp. (setting r	ange : 3000–9000 rpm)
1 OFF(Pres	ss the switch of the offer the switch of the	Press the switch during the key r light off)	3 OPENING DEMO 4 Cylinder display $\bigcirc \bullet \bullet$		While the tachometer is being displayed, press the switch for long.	tch is 4 5	With no operation for 2 seconds
2 Whi the	ENGINE START le holding the se engine within 5	witch, start seconds.	 (The factory default setting is for a four-cylinder engine) F Press the switch once Press the switch to change the pattern and exit to the paragraphic 		set shift point		Each processing of the switch will
Turn	4-cylinder ▷ 5	5 > 6 > 8	$\triangleright \text{ special } \mathbf{A} \triangleright 1 \triangleright 2 \triangleright 3$	3	Press the switch While holding down the switch, change the RPM setting	Note: By continually pueedle will move to 90	raise, the setting 200 rpm; at 9000 rpm it will return to 3000 rpm. ressing down on the switch the 000 rpm.
Patterns	for cylinde	r settings dis	olay ● = On 斄 = Blink ○ = Off				
Number of	Shift lamn	Car models		SET	TING D Shift lamp brightr	ness setting	Press for 5 seconds
cylinders 1				Mak	e setting to change the shift lamp	brightness.	
2		MAZDA (BX-8)	DY Z Z33) • MAZDA (AI ENZA and others)	1			
Note: F	For one and	two cylinder e	ngines.	"	for 5 seconds		for 2 seconds
set the	signal level s	witch to two.	See See in the for details.		While the tachometer is being		~
3	000	Three-cylinder			displayed, press the switch for long.	5 6	Tachometer display
4		Four-cylinder, R	otary engine (RX-7)	2	After 1.5 seconds the shif	t 🗌 🔍	
6		Five-cylinder			point will be shown and after s	5	
8		Fight-cylinder			Seconds All lamps will light		
Special A	00	Some models of N	IISSAN		All shift lamps will light		
Reference:	If the engine is a	two cycle engine, r	nultiply the number of cylinder by two.	3			Each pressing will change
6	(e.g., For a two-c ── ⊣ With no	operation	engine the setting would be six.) The needle will show the		switch	2 steps	the brightness.
	for 2 sec	conds	set shift point				
				OFT	TWC E Switching the sid	lovol lov	
	🔊 🛛 OPENI	NG DEMO	The lamps blink red	SET			Press for 5 seconds
			9 Tachometer display	Char NISS MITS Note	nges are only necessary for thos AN (FAIRLADY Z Z33)/ MAZDA (a SUBISHI (COLT and others)/SUBA : See the "Wiring Chart" for details.	e car models lis after 2002)/ RU (early type of	ted below.
SETTING	B Peak re	ading displa	and re-set Press	1	During meter light Off ON Key ON (engine not running)	3	
	le the tachom	Press the switch once eter is being		2	Press the switch	4 The	needle will show "1" or "2"
disp	layed, press the	switch once.			L B I for 5 seconds	L Th	e lamps blink red
2	Peak	reading splay	5 Tachometer display	5	Press the switch Set the signal detection level by pressing the switch to change the	1 = If the gener	ic car $2 = $ If the level is small 0 1 0 1 0 1 0 1 0 1 0 1 1 0 1 1 1 1 1 1 1 1 1 1
3	for 2 sec	e switch conds			needle position to the correct setting.		
Pres	ssing the switch v reading.	vill re-set the		6	With no operation for 2 seconds	7	Lamp Off
							-
							<u></u>

BASIC OPERATION





TROUBLESHOOTING

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.		
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.		