

USER'S GUIDE

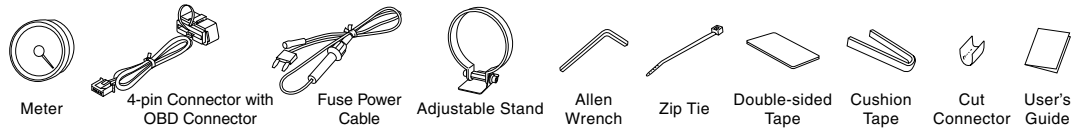
Thank you for purchasing this PIVOT product. Please read this manual carefully before installation and use. Please keep this manual for future reference.

XV
MULTI GAUGE 060
EURO SPEC

<p>⚠ WARNING Improper use or disregard of these warnings may result in the injury or death of people.</p> <ul style="list-style-type: none"> • 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 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 interfere with driving. 	<p>⚠ CAUTION Improper use or disregard of these warnings may cause injury to persons, damage the product and other things.</p> <ul style="list-style-type: none"> • 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 loses 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.
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- ⚠
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 products that use another company's diagnostic monitoring connectors.
 3. For details about using in combination with other PIVOT products please see our Web Site at <http://pivotjp.com/obd-e/>.

Check the contents



FEATURES

With our XV multi-gauge, just by connecting to the diagnostic monitoring connector, the VW and Audi specialized CAN communication can be analyzed and three types of data can be displayed. (Not for use with incompatible models)

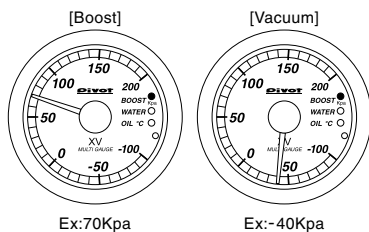
- 3 types of display** Switch between 3 types of display in the same unit (Boost, Water Temperature and Oil Temperature)
- Smooth Action** New Controller provides needle action quick and smooth
- PEAK HOLD** Display peak reading
- Illumination** Same Standard Indigo Blue Illumination (XV)
Same Standard White Illumination (XV-A)
- Stepping Drive** Stepping motor drive brings you a high-performance display with no hunching or overshooting
- Easy-installation** It is possible to connect directly using the connector to the diagnostic monitoring connector meaning there is no need for troublesome wiring

Displays and Uses

1. Boost (Absolute pressure display※1)

▶ **Display** -100~154Kpa

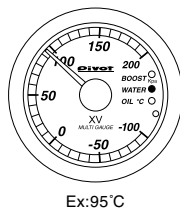
- ▶ **Use**
- Check Boost
 - For Eco-driving [Vacuum]



2. Water Temp

▶ **Display** -40℃~155℃

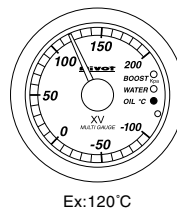
- ▶ **Use**
- Prevention of overheating
 - Check Heating etc.



3. Oil Temp

▶ **Display** -40℃~195℃

- ▶ **Use**
- Check engine oil temperature etc.



4. Peak Hold

▶ **Use** Check the peak readings

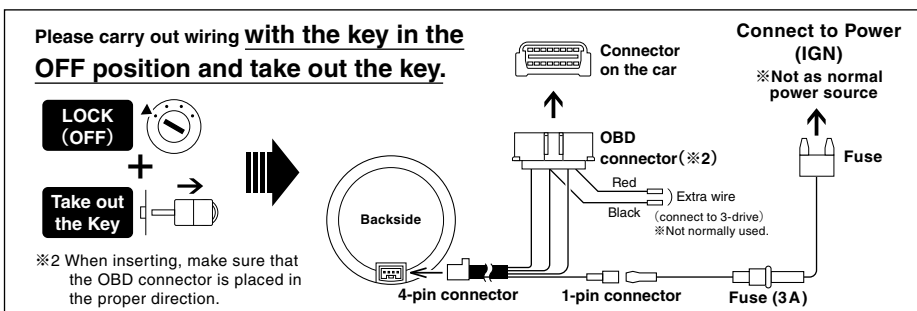
※ Only the peak value on display will be measured; measurements are not taken for items other than that one on display.

[Reference Peak Values]

- BOOST
GOLF GTI (BWA Turbo) = about 95Kpa
GOLF GT TSI (BLG Twin Charger) = about 140Kpa
- WATER TEMP 80~100℃
- OIL TEMP 80~120℃

※1 This display of absolute pressure includes barometric pressure and may differ from a gauge showing relative pressure (mechanical type).
※1 With the key in the ON position, due to altitude the boost needle may show a minus reading.

WIRING METHOD



Notes about using the OBD connector

- Make sure to grip the distended portions when pulling it out or inserting it.
- Do not pull on the wires when trying to remove the connector; the wires may become disconnected.
- If you unable to get a grip on the distended portions
With some car models it may be difficult to get a good grip on the connector.
In such cases, use a lock tie to push or pull the connector.

1 Insert the OBD connector

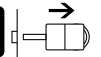
1. Locate the diagnostic monitoring connector position.
 2. Completely insert the OBD connector.
- Next, connect to the power source

Please carry out wiring with the key in the OFF position and the key removed.



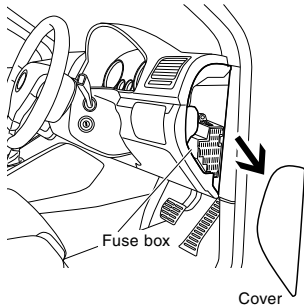
+

Remove the key

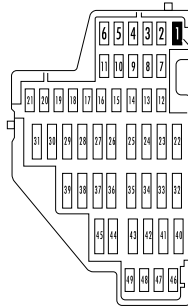


2 Connecting to a Power Source

The following is just one example of wiring to the fuse box of a GOLF V GTI BWA (steering wheel on right). If your model is different and you are unsure of how to connect please contact your dealer.



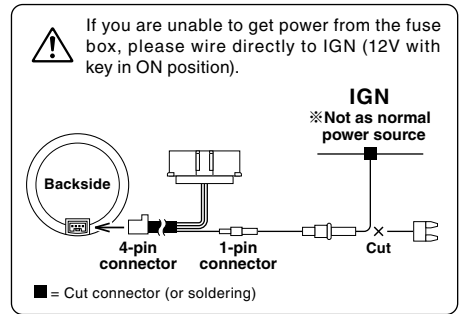
- Use a flathead screwdriver or such tool to remove the cover of the fuse box found on the side of the panel to the right of the steering wheel.
- Remove the fuse for IGN (12V with key on, not as normal power source), and insert the fuse power cable.
- Connect the fuse power cable to the 1-pin connector from the OBD connector.



(Front of the fuse box)

e.g. GOLF V GTI BWA (steering wheel on right)
Position= Top Row - Right Corner
Number = 1(SC1)
Capacity = 10A

※If you wish to get power from a fuse other than the 10A flat mini-fuse, please purchase separately.



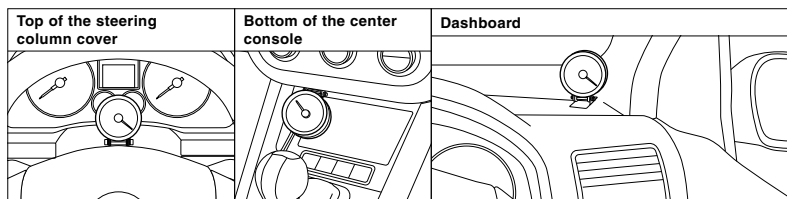
METER INSTALLATION

Install in an easy-to-view location.

PART NAMES

A Install with the adjustable stand

Fasten using the double-sided tape.



- Band holder
- Hexagonal bolt with washer
- Stand
- Place of installation
- Double-sided tape (included)
- Clean to remove oil & dust
- Fasten using the double-sided tape. (Clean the surface; removing all oil or dust.)
- Hexagonal bolt
- After deciding the position and angle of the meter face, fasten the hexagonal bolts on both sides to secure.

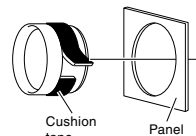
Slightly loosen the screw and install the gauge into the band holder.

Bend the stand to securely fit the place of installation.

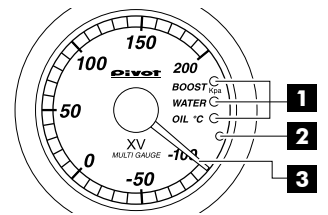
Fasten using the double-sided tape. (Clean the surface; removing all oil or dust.)

After deciding the position and angle of the meter face, fasten the hexagonal bolts on both sides to secure.

B Installation with the cushion tape



Wrap the cushion tape around the base of the meter and forcibly insert into the 60 mm hole in the panel.



1 Mode Lamp

The lamp for the current mode will light up.

2 Switch

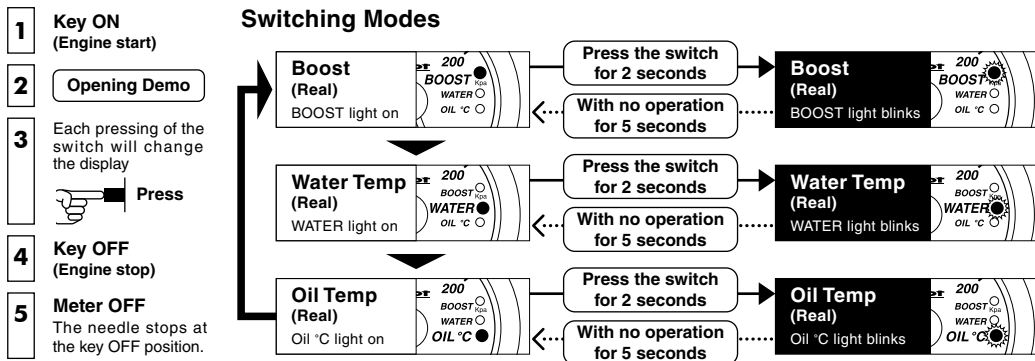
Use to switch modes and display peak readings.

3 Needle

Shows the current values and peak readings.

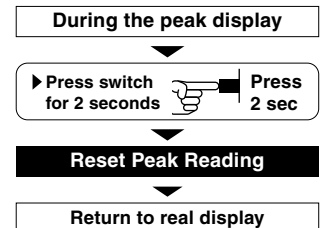
BASIC OPERATION

※Only the peak value on display will be measured; measurements are not taken for items other than that one on display.
 ※If after changing modes, the car's engine is turned off within three seconds, the new setting will not be stored.



How to Erase Peak Readings

※Only the peak value on display will be re-set.



※ Peak readings are reset when the key is turned OFF.

TROUBLESHOOTING

Trouble	Possible Causes	Possible Solutions
Does not work with the key ON.	Poor connection of 4-pin connector, OBD connector or fuse. If wiring has been direct to power the red wire may have been improperly wired or there is a poor connection.	Please reconfirm whether wiring and connections are correct or not.
The displayed values are different from the standard meter.	The unit has been installed into an incompatible car model.	Please check the list of compatible car models.
The boost pressure display is different from the standard or other gauge.	Due to the ECU information received, the displayed values on this product may differ from those of standard or other meters.	
With the key in the ON position the boost needles points to a minus reading.	This product's boost meter reads absolute pressure and may differ from a meter using relative pressure.	
Upon starting up, the unit will start in the newly changed mode.	The sensor for absolute pressure is subtracting for barometric pressure and hence the display shows minus. (e.g. Elevation of 700 meters = minus 8Kpa)	
With the key in the ON position, the oil temperature display shows a minus reading.	Because after changing modes, if the car's engine is turned off within three seconds, the new setting will not be stored, make sure to wait at least three seconds before turning the engine off.	
With the key OFF, the needle does not rest on "0".	This is a normal data operation for your car and is not a problem.	
	This is a special characteristic of the meter's movement and is not a malfunction.	