





•Thank you for purchasing the our product. Before installing, please read the instruction carefully and keep it for future reference.

#### Attention!

- •For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.
- ●Don't break or modify the wire. To avoid the short circuit, please don't pull the wire when installing.
- Do not disassemble or change any parts excluding the manual description.
- The interior examination or maintenance should be executed by our professionals.

#### MARK MEANING:

NOTE You could get the installation details from the information behind the mark.

 $\Lambda$  Some processes must be followed to avoid the affection caused by wrong installation.

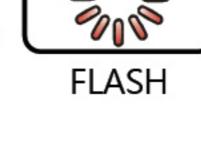
⚠ WARNING! Some processes must be followed to avoid damages to yourself or the public.

A CAUTION! Some processes must be followed to avoid the damage to the vehicle.

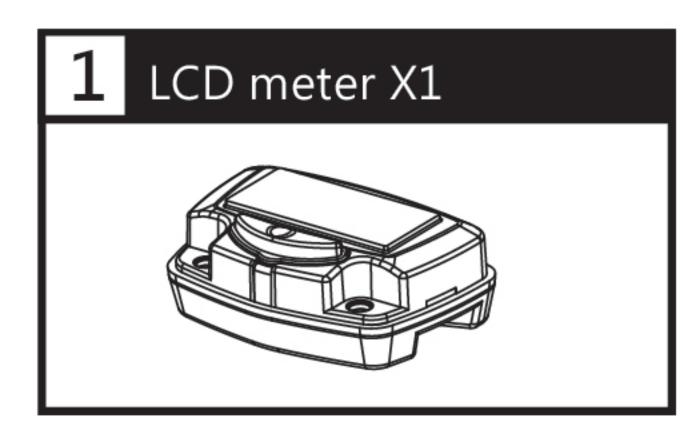


BUTTON 3

SECONDS



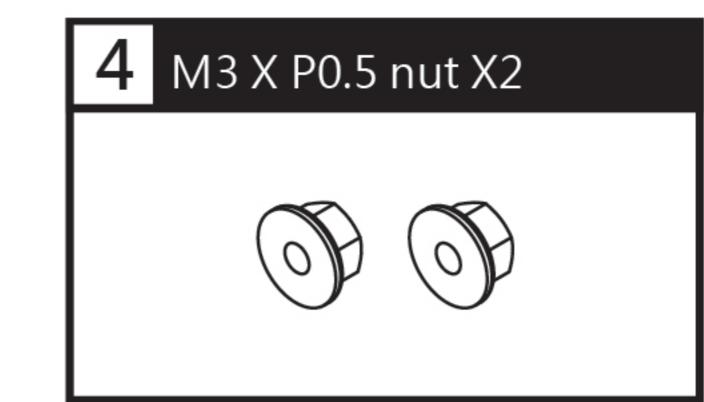
#### 1 Accessories





NOTE Contact your local distributor, if the items received in the box are not the same as the items listed above.

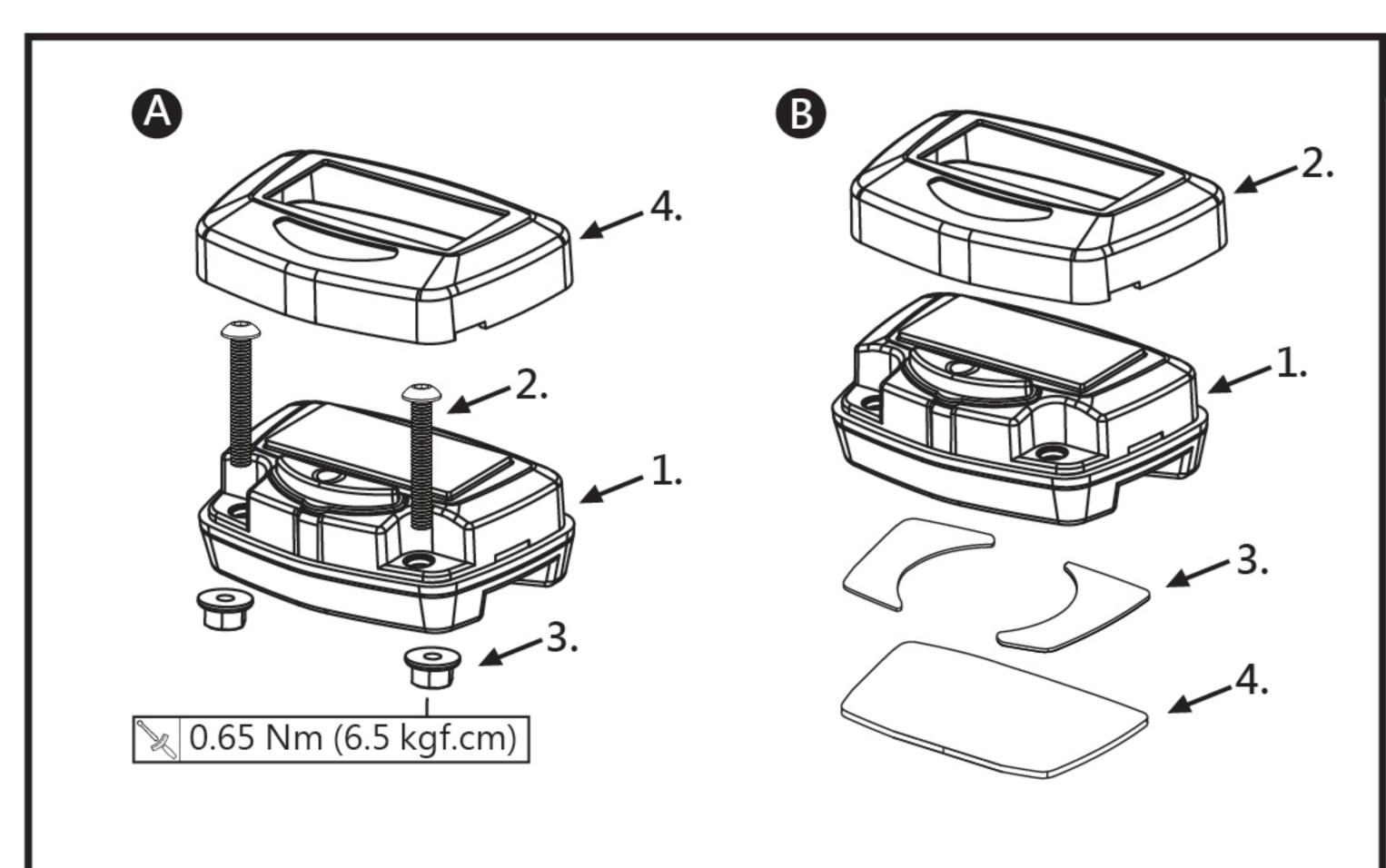






6 Battery X1

# 2-1 Installation Instructions

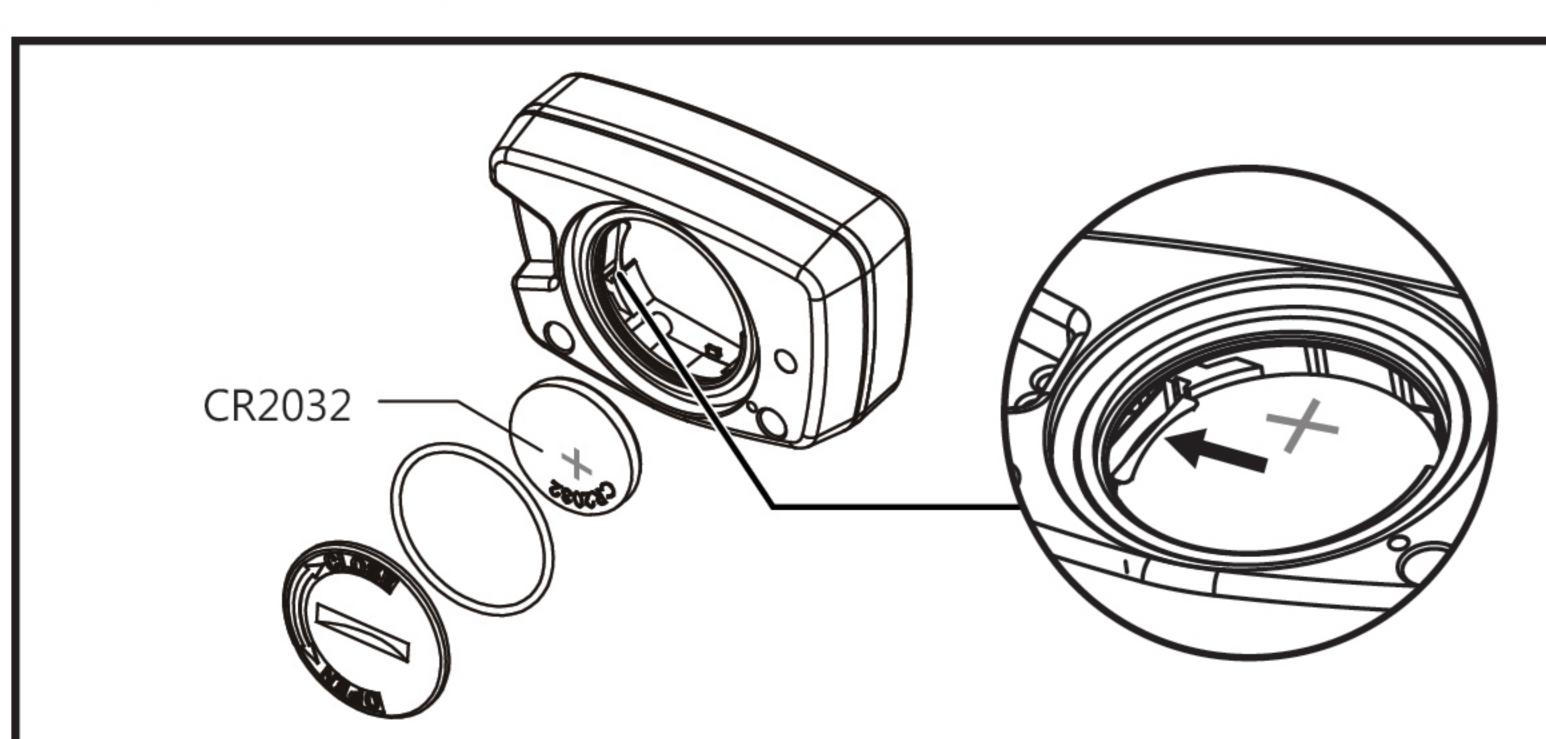


#### Follow the steps below during installation.

- A 1.LCD meter(Accessory 1) 2.M3 X L20 HEX socket set screw(Accessory 3) 3.M3 X P0.5 nut(Accessory 4) \( \subseteq 0.65 \text{ Nm (6.5 kgf.cm)} \) 4.Meter cover(Accessory 2)
- **B** 1.LCD meter(Accessory 1) 2.Meter cover(Accessory 2) 3.Velcro-male(Accessory 5) 4. Velcro-female (Accessory 5)
- Mhen removing the meter cover, please use appropriate tool to open the meter cover from the groove (as shown) on the side of the meter. Please do not directly disconnect the cover vertically to avoid making damages to the meter cover.

NOTE Choose either Method A or B according to your need.

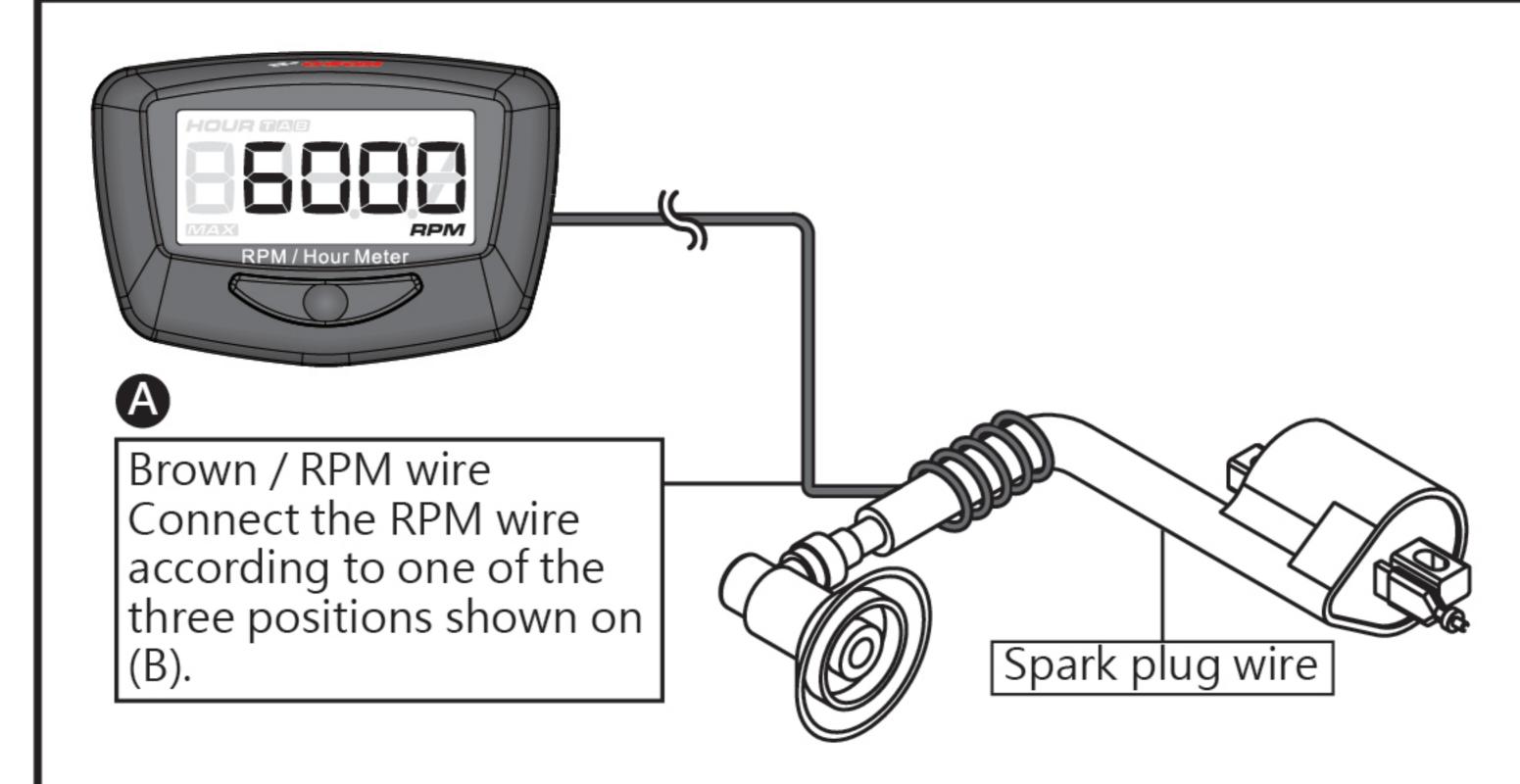
## 2-2 Battery Installation Instructions



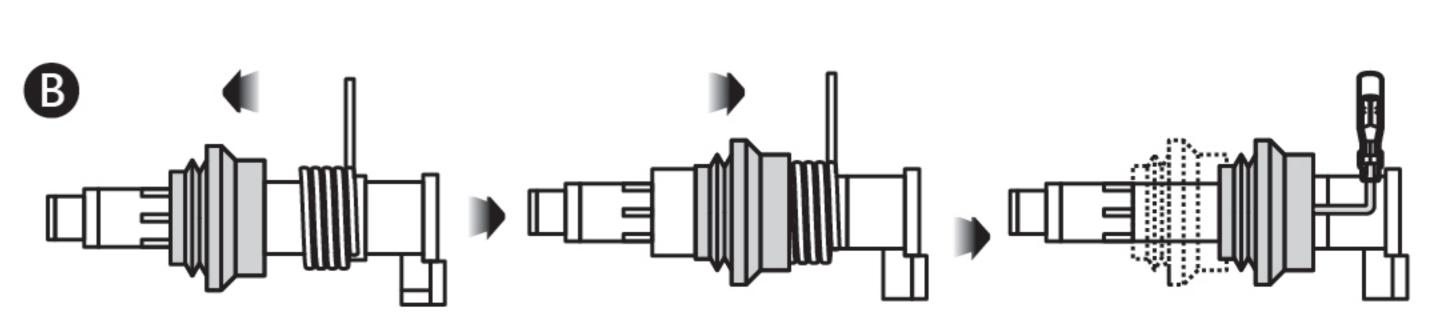
Please change the battery when the meter is off!

NOTE Please follow the arrow direction to press before remove the battery.

#### 2-3 Wiring Installation Instructions



NOTE For special spark plug wire, installation method B may be chosen for the installation of RPM wire.

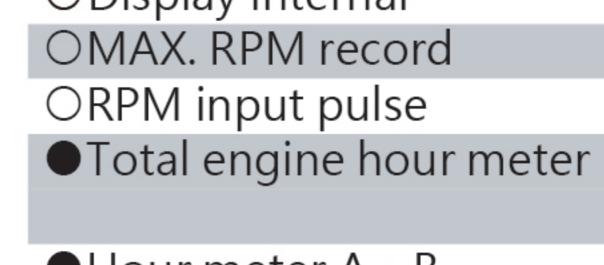


For motorcycle with ignition coil system, the RPM can be installed following the methods here described. Wrap the RPM wire at least five(5) times around the spark plug cap as shown below.

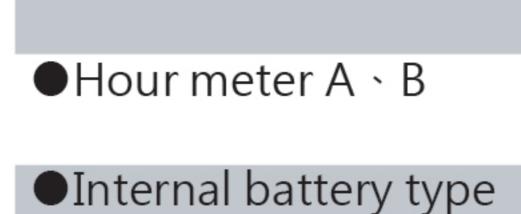
#### 3 Functions, Settings Description

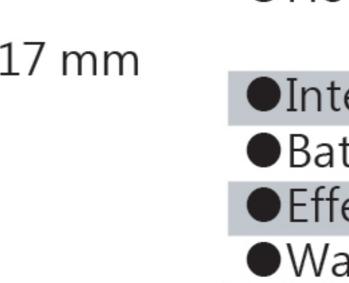


O Display internal



Digital Tachometer





Display unti: 100 RPM <0.5 Sec. Display range: 0~20,000 RPM Setting range: 0.5 \ 1 \ 1.5 \ 2 Display range: 0.0~999.9 / 1,000~99,999 H

Display range: 0~20,000 RPM

Display unti: 0.1/1H Display range: 0.0~999.9 H Display unti: 0.1 H CR 2032

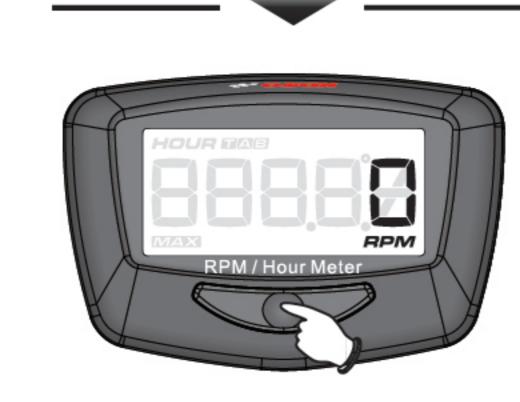
Battery life time (continuously) About 350 H Effective temperature range -10~60 °C Water-Proof Standard JIS D 0203 W48.5 X L32.6 X H17 mm Meter size Meter weight About 28.5 g

NOTE Design and specifications are subject to change without notice!

### 4 Display Switching Instruction



When meter is OFF, press the button once to enter the RPM display screen.



While on RPM display screen, press the button once to enter the MAX RPM record display.



- While on MAX RPM record display, press the button once to enter Total Engine Running Hour display screen.
- Also while on MAX RPM record display, press and hold the button for 3 seconds to reset the record.

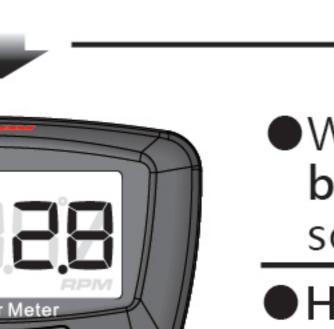




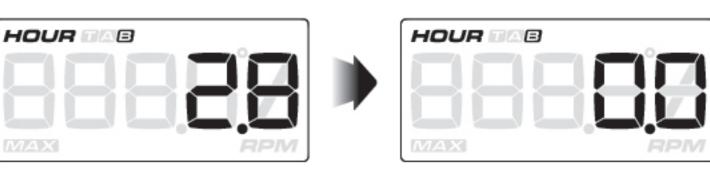
- While on Total Engine Running Hour screen, press the button once to enter the Engine
- NOTE When the engine hour meter starts to count, the **Hour** symbol will flash every 0.5 second.

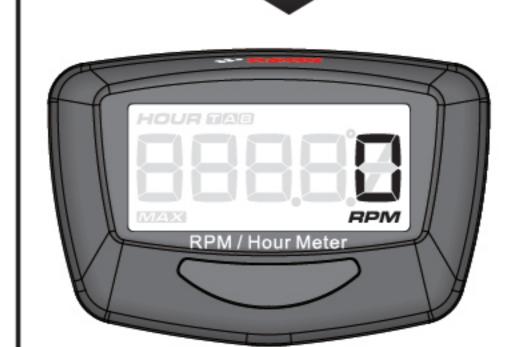


- While on Engine Hour A screen, press the **button once** to enter the Engine Hour B.
- Hold the button for 3 seconds to reset the Engine Hour A record.



- While on Engine Hour B screen, press the **button once** to go back to the RPM main
- Hold the button for 3 seconds to reset the Engine Hour B record.



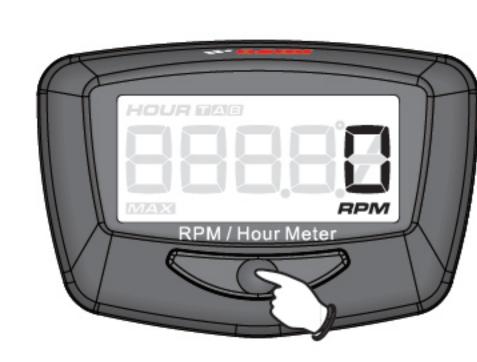


Back to RPM main screen.

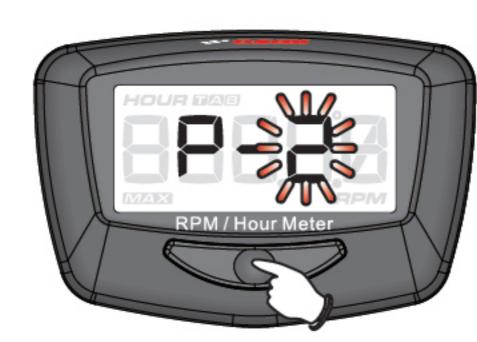
NOTE The meter will automatically turn off if no button is pressed or if there is no signal input for more than 30 seconds.

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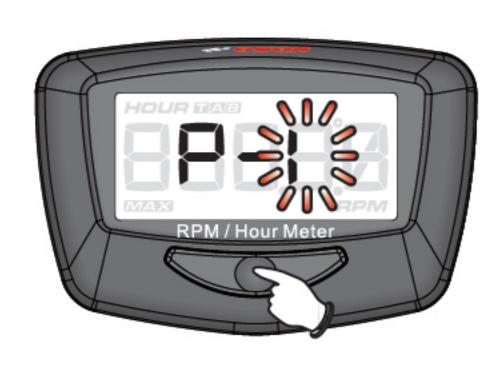
## 5 Engine Ignition Firing Sequence (RPM Signal) Setting Instruction



 While on RPM main screen, press and hold the button for 3 seconds to enter the RPM pulse setting.



- EX: The value has successfully been changed
- To return to the RPM main screen, press and hold the button for 3 seconds.



- EX: To change the current setting value from 1 to 2.
- On setting screen, press the button once to change the RPM pulse setting value.
   EX: The original setting is 0.5(4C-1P).

NOTE The piston type available settings are : 0.5,1,1.5,2.

Now the setting value is flashing!

Setting value	2 stroke settings	4 stroke settings	RPM per spark
0.5	NA	1 piston	2 RPM per spark
1	1 piston	2 pistons	1 RPM per spark
1.5	NA	3 pistons	2 RPM per 3 sparks
2	2 pistons	4 pistons	1 RPM per 2 sparks

CAUTION! Some of the 4 strokes engines with 1 piston are igniting once every 360 degrees. To get the proper RPM for such engines, the setting should be the same as a 2 strokes engine with 1 piston.



Back to the RPM main screen.

## 6 Trouble shooting

The following situations do not indicate malfunction of the meter. Please check the following points, before taking it in for repairs.

Trouble	Check item
	<ul> <li>■ Maybe poor connection of the RPM wire.</li> <li>→ Please make sure the RPM wire is connected correctly.</li> <li>■ Maybe the problem is caused by the insufficient power.</li> <li>→ Please change the inner battery.</li> </ul>

