

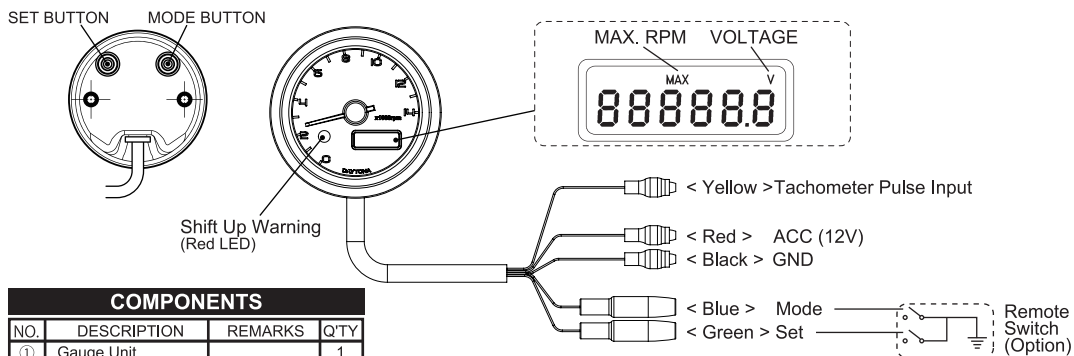
**CAUTION**

- Read all instructions before use.
- This product is NOT water-proof, but water-resistant. Internal condensation may be found due to a sudden and rapid change of ambient temperature.
- Disconnect the ground wire from the negative post of vehicle's battery before installation.
- Designed for a 12V system. VELONA gauges do NOT work with a 6 volt system or a battery-less system.
- DO NOT use the positive ground.
- Use VELONA gauges for the intended purpose of use.
- DO NOT disassemble VELONA gauges. It may be damaged and water may come in.
- Do NOT leave VELONA gauges under the sunlight when not used.
- Avoid contact with gasoline, brake fluid or other chemicals. It may be damaged.
- DO NOT hit, drop or give a shock on VELONA gauges. It may be damaged due to a precision part.
- Rubber mounting is recommended for vehicles with much vibration.
- After installation, check to see if all the parts are correctly installed, and to see if all the screws are properly tightened.
- Periodical inspection of the installed parts is required every 500km(300mile). If anything unusual may be found while driving, pull over at a safe place to check.

**PRODUCT FEATURES**

- Stepping motor-driven tachometer
- Maximum RPM memory and recall
- Voltmeter, Range : 0-18.0V
- Display LED color selectable from 3 color (White / Blue / Orange)
- Shift up warning with Red LED

**INSTALLATION & COMPONENTS**



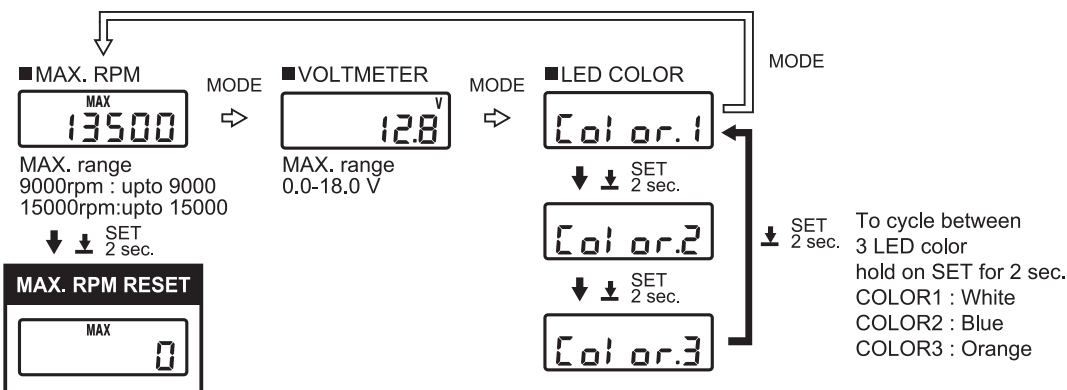
COMPONENTS			
NO.	DESCRIPTION	REMARKS	Q'TY
①	Gauge Unit		1
②	V-Bracket		1
③	Extension Wire Set		1
④	Cap screw	M5 x 10	2
⑤	Spring washer	M5	2

The Red wire is to be connected to the vehicle's wire that gives current when the main switch is turned on

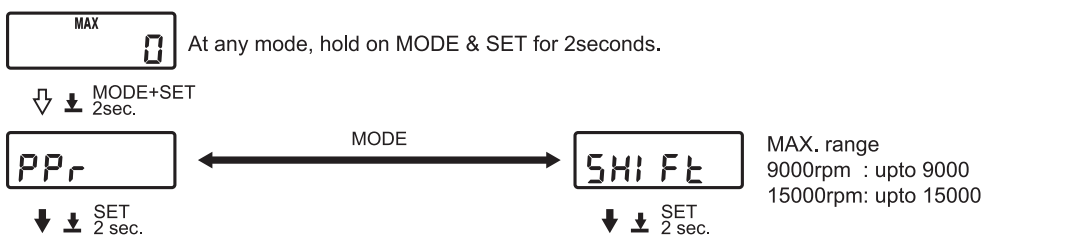
The tachometer pulse detection <Three options>

From ignition coil	From spark plug code	For 2000 & up Harley Davidsons only
<p>Connect the white wire to the positive terminal/wire of the ignition coil</p>	<p>Wind the white wire 5-6 times on the spark plug code, and then tape to fix it.</p>	<p>Connect the white wire to the red wire of the vehicle's crank position Sensor</p>

**NORMAL OPERATION MODE**



**SETUP MODE**



**PPR (Pulse Per Rotation) SETUP**

To cycle between engine types, press MODE.

To confirm and to go back to normal operation mode, hold on SET for 2 seconds.

Select PPR from the following

- 1P-1r: 1 pulse per 1 revolution
- 1P-2r: 1 pulse per 2 revolutions
- 2P-1r: 2 pulse per 1 revolution
- 30P-1r: For 2000 up Harley-Davidsons ONLY

**SHIFT UP WARNING SETUP**

To modify the flashing number, press SET

To fix and go to the next digit setting, press MODE.

Ten thousands digit : 0 or 1  
 Hundreds digit : 0 or 5

To confirm and to go back to normal operation mode, hold on SET for 2 seconds.

**OPTIONAL PARTS**

