

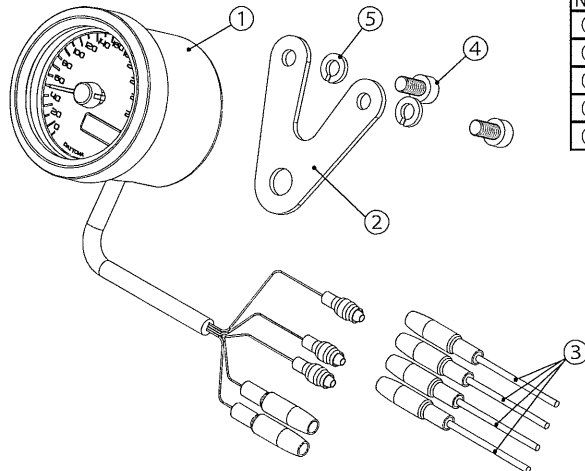
CAUTION

- Read all instructions before use.
- Needs to purchase the optional speed sensor if the vehicle does not come with an electrical speed sensor.
- This product is NOT water-proof, but water-resistant. Internal condensation may be found due to a sudden and rapid change of ambient temperature.
- Be sure that VELONA gauges display the right speed before use on public road.
- Disconnect the ground wire from the negative post of vehicle's battery before installation.
- For motorcycles that do not generate electrical speed pulse, use the optional speed sensor(sold separately). Or use a convertor(sold separately) that turns mechanical movement to electrical pulse, if the vehicle comes with a mechanical speedometer cable.
- Designed for a 12 volt system. VELONA gauges do NOT work with a 6 volt system or a battery-less system.
- 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, stop at a safe place to check.

PRODUCT FEATURES

- Stepping motor-driven speedometer
- Speed unit (km/h or MPH) selectable
- Odometer (Not Resettable), Range : 0.0-99999.9 km/mile
- Trip Odometer 1 (Resettable), Range : 0.0-99999.9 km/mile
- Trip Odometer 2 (Resettable), Range : 0.0-99999.9 km/mile
- Voltmeter, Range : 0-18.0V
- Maximum speed memory and recall
- Display LED color selectable from 3 color (White / Blue / Orange)

COMPONENTS

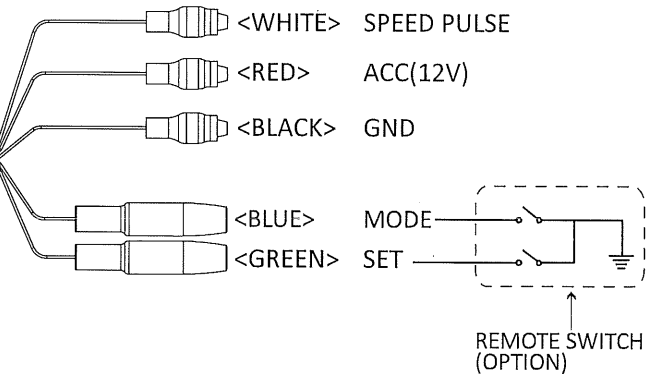
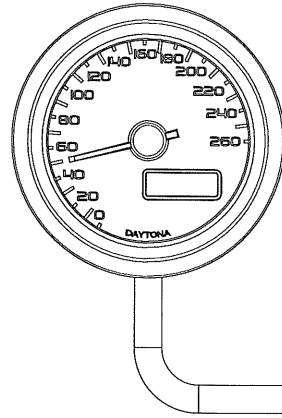


NO.	DESCRIPTION	REMARKS	Q'TY
①	Gauge Unit		1
②	V-Bracket		1
③	Extension Wire Set		1
④	Cap screw	M5 x 10	2
⑤	Spring washer	M5	2

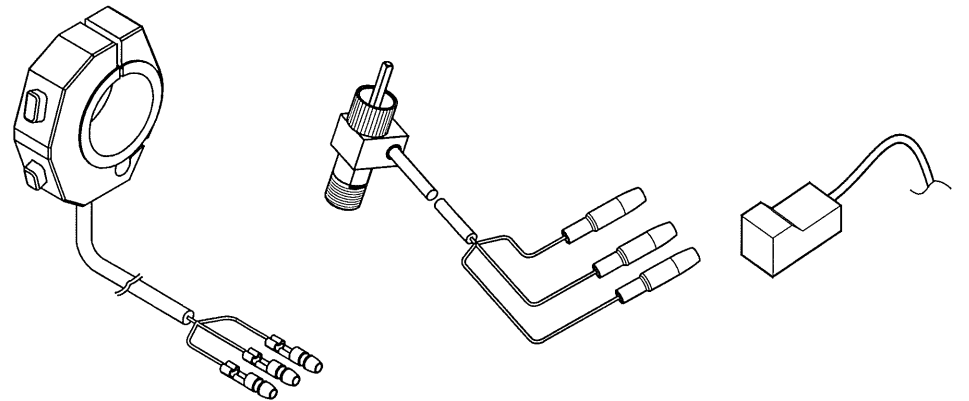
INSTALLATION

- Disconnect the ground wire from the negative post of vehicle's battery before installation.
- The Red wire is to be connected to the wire that gives current when the main switch is turned on.
- The White wire is to be connected to the wire from the speed sensor.

⚠ Wrong wiring may cause malfunction of the gauge. Make sure to have correct wiring.



OPTIONAL PARTS



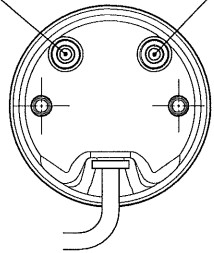
REMOTE SWITCH
<PART#87047(black)>
<PART#87082(chrome)>

TWIN SIGNAL
SPEED PULSE CONVERTER
<PART#87430>

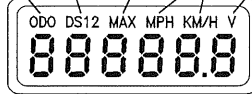
PROXIMITY SPEED SENSOR
<PART#87038>

NORMAL OPERATION MODE

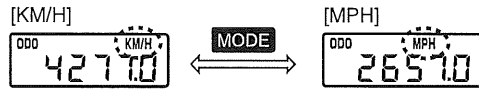
SET BUTTON MODE BUTTON



ODO TRIP-1&2 MAX SPD. UNIT VOLTAGE



Unit setup (KM/H or MPH)

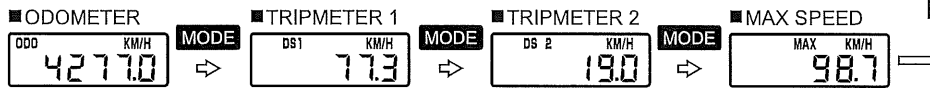


To cycle between "KM/H" and "MPH", press MODE.

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

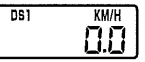
SET
2 sec.

MODE
2 sec. At any mode, hold on MODE for 2 seconds.



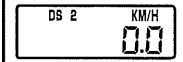
MAX. range
0.0-99999.9 km/mile

TRIP 1 RESET



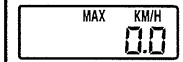
MAX. range
0.0-99999.9 km/mile

TRIP 2 RESET



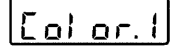
MAX. range
0.0-99999.9 km/mile

MAX. SPEED RESET

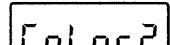


MAX. range
140km/h : upto 140
200km/h : upto 200
260km/h : upto 260

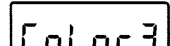
LED COLOR



SET
2 sec.



SET
2 sec.



SET
2 sec.

To cycle between 3 LED colors,
hold on SET for 2 seconds.

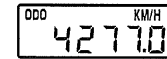
COLOR1 : White
COLOR2 : Blue
COLOR3 : Orange

VOLTMETER



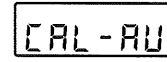
MAX. range
0.0-18.0 V

SPEED CALIBRATION

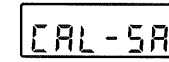


You can choose one way from 3 types of calibration.
At any mode, hold on MODE & SET for 2 seconds.

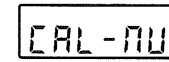
MODE + SET
2 sec.



MODE



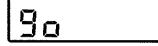
MODE



MODE

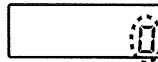
AUTO CALIBRATION MODE

SET
2 sec.



When ready to drive,
press MODE.

MODE

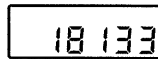


Drive exactly one km/mile.



Stop and press MODE
to complete the adjustment.

MODE

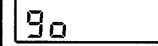


To go back to normal operating
mode, hold on SET for 2 seconds.

SET
2 sec.

SPEED ADJUST MODE

SET
2 sec.



Following the vehicle running at
constant speed of 40km/h(MPH)



Press MODE at 40km/h(MPH) to
complete the speed adjustment.

MODE

VELONA gauges will start
indicating the current speed
after a while.

The display will automatically go
back to normal operating mode.

MANUAL MODE

Calculate the value of
"pulses per km" by $A \div B$

A pulses per revolution

Enter the AUTO CALIBRATION
MODE, turn the wheel exactly
10 revolutions. The display shows
the pulses per 10 revolutions.
Divide this value by 10.

B tyre circumference(km)

Measure your tyre circumference
in "cm" and divide by 100,000
to be "km".

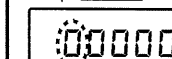
$A \div B$ = pulses per km

Then enter MANUAL MODE and
input this value as follows.

SET
2 sec.

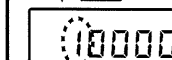


MODE



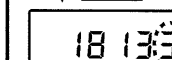
Flashing digit is changeable.
To modify the number,
press SET

SET



To fix and go to next digit,
press MODE

MODE



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

SET
2 sec.