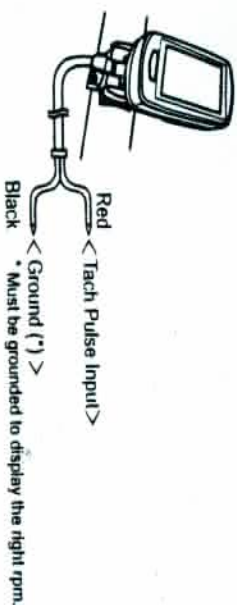


NANO-TACH

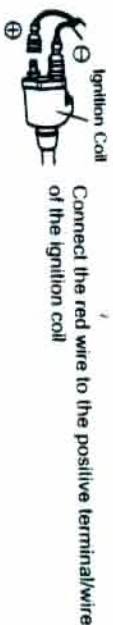
WIRING INSTRUCTION

⚠ Keep wires and wire connectors away from the heat and water.

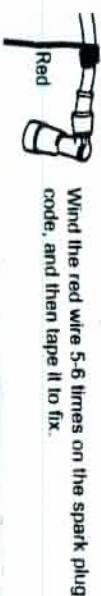


DETECT TACH PULSE

From Ignition Coil



From Spark Plug Code



OPTIONAL PARTS

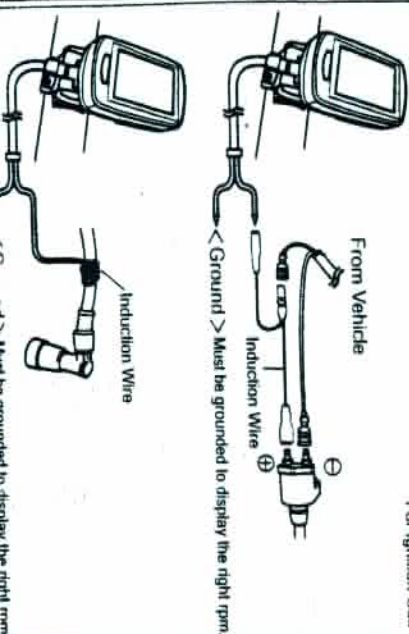
RPM Induction Wire Set, #40841

This optional wire set will simplify the wiring work and NO wire splicing is necessary.

For Spark Plug Code



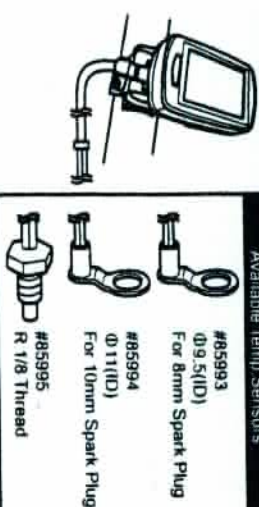
HOW TO USE



NANO-TEMP

WIRING INSTRUCTION

⚠ Keep wires and wire connectors away from the heat and water.



ATTACH THE TEMP SENSOR

Cylinder Head Temp.(CHT) Sensor

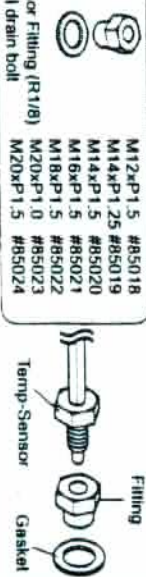


Water/Oil Temp. Sensor : Thread R 1/8

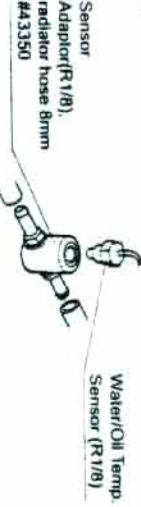
Attach the sensor on radiator, oil hose, or engine. May need to use an optional adaptor(sold separately). Check the following optional parts section.

OPTIONAL PARTS

To measure oil temp. from oil drain bolt, check the thread size of the drain bolt and choose an appropriate fitting from the following options.



To measure water temp. from radiator hose, use the following sensor adaptor.



NANO-SPD

WIRING INSTRUCTION

⚠ Keep wires and wire connectors away from the heat and water.

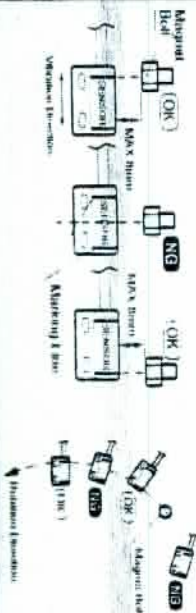


DETECT SPEED PULSE

From speed sensor of the vehicle
Attach the red wire to the electrical speed sensor of the vehicle.
DO NOT have to use the supplied speed sensor. If the vehicle comes with electrical speed sensor.
And detect pulse from the vehicle's speed sensor

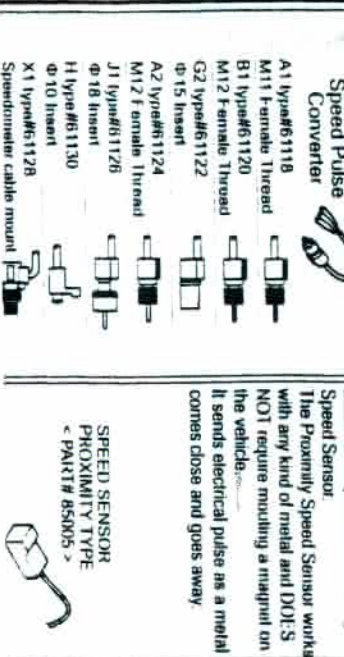
From the supplied speed sensor(Reed Sensor)

Attention Speed Sensor & Magnet Installation
1. Align the center of the magnet to either of sensor marking line.
2. Installing the sensor parallel to the vibration direction creates optimal anti-vibration effect.
3. Make sure the gap between the magnet and the sensor is within 8mm.



OPTIONAL PARTS

If the vehicle comes with mechanical speedometer cable, use a speed pulse converter from the following options. The converter turns mechanical movement to electrical pulse.



INSTRUCTION

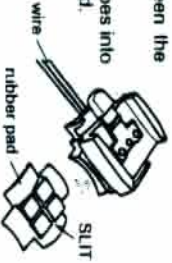
CAUTION

- Read all instructions before use.
- May need to purchase optional parts for some applications. (See the optional parts section in this manual.)
- Use NANO gauges for the intended purpose of use.
- DO NOT disassemble NANO gauges.
- DO NOT leave NANO gauges in high heat.
- DO NOT hit, drop and/or give a shock on NANO gauges.

MOUNTING INSTRUCTION

Place the rubber pad between the bracket and handlebar.

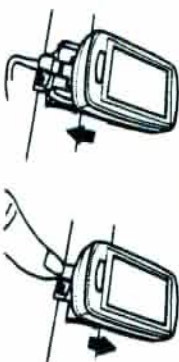
⚠ Be sure that the wire goes into the slit of the rubber pad.



Mount the bracket on handlebar by two cable ties



To attach the gauge unit, slide the unit into the bracket. To detach, press the knob and slide the unit out.



BATTERY REPLACEMENT

Replace battery(CR2032) when low battery warning icon flashes.

- Positivel(+) side of battery to face upward

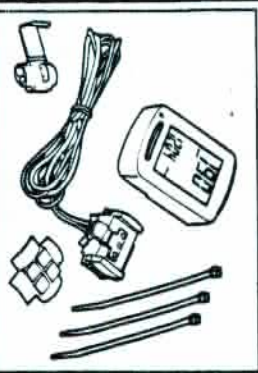


NANO-TACH

PRODUCT FEATURES

- Tachometer 0-20,000 rpm
- Hourmeter (Not Resettable), Range : 0.0-9999.9 Hours
- Resettable Hourmeter, Range : 0.0-9999.9 Hours
- Maximum rpm memory and recall
- Clock, AM/PM Display ONLY
- Low Battery Warning
- Auto On & Off
- Detachable Unit
- Simple Installation and Operation
- Replaceable Battery (CR2032)
- Waterproof Housing

COMPONENTS



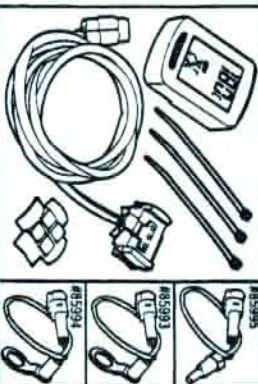
Components	QTY
Gauge Unit	1pc
Bracket & Wires	1pc
Rubber Pad	1pc
Cable Tie	3pcs
Wire Coupler	1pc

NANO-TEMP

PRODUCT FEATURES

- Engine Temperature Gauge, Range : 0 - 270°C (32 - 518°F)
- Ambient Temperature Gauge
- Maximum Temp. memory and recall (Engine Temp.)
- Clock, AM/PM Display ONLY
- Low Battery Warning
- Auto Off, User-settable "Auto-Off Temp."
- Detachable Unit
- Simple Installation and Operation
- Replaceable Battery (CR2032)
- Waterproof Housing

COMPONENTS



Components	QTY
Gauge Unit	1pc
Bracket & Wires	1pc
Rubber Pad	1pc
Cable Tie	3pcs
Temperature Sensor	1pc

NANO-SPD

PRODUCT FEATURES

- Speedometer
- Odometer, Range : 0.0-99999.9 km/mile
- Trip Odometer (Resettable), Range : 0.0-99999.9 km/mile
- Clock, AM/PM Display only
- Low Battery Warning
- Auto-On & Off
- Detachable Unit
- Simple Installation and Operation
- Replaceable Battery (CR2032)
- Waterproof Housing

COMPONENTS

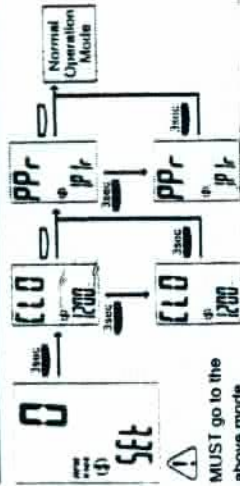


Components	QTY
Gauge Unit	1pc
Bracket & Wires	1pc
Rubber Pad	1pc
Cable Tie	3pcs
Speed Sensor & Magnet	1set

NANO-TACH

Button Icon's Definition
 [] = Press button
 [] 3sec = Hold down button for 3sec.

SETUP



MUST go to the above mode showing "0" before entering the setup mode.

Adjust Clock
 To modify hour, press button. To go to the next setup mode, hold down button for 3 sec.

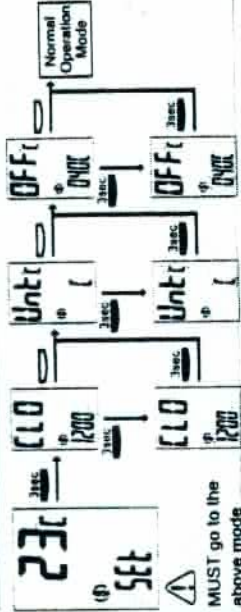
To modify Hour, press button in 2 seconds. It automatically goes to Minute-setup if no button is operated for 2 seconds.

Pulse Per Rotation(PPR) Setup
 "1P1", "1P2" and "2P1" are automatically displayed in order. To confirm, hold down button for 3 sec. while the intended PPR is displayed

NANO-TEMP

Button Icon's Definition
 [] = Press button
 [] 3sec = Hold down button for 3sec.

SETUP



MUST go to the above mode showing "23C" before entering the setup mode.

Temp. Unit Setup
 "C" and "F" are automatically displayed in order. To confirm, hold down button for 3 sec. while the intended unit is displayed

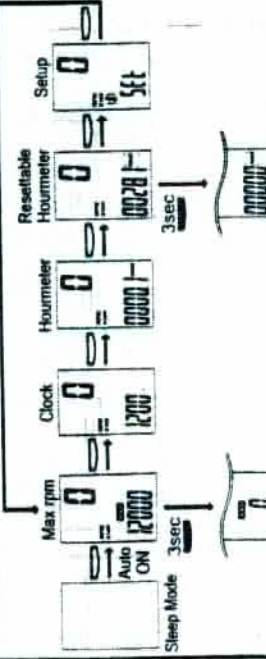
Adjust Clock
 To modify hour, press button. To go to the next setup mode, hold down button for 3 sec.

To modify Hour, press button in 2 seconds. It automatically goes to Minute-setup if no button is operated for 2 seconds.

Adjust "Auto-Off Temp."
 << Adjustable Range : 10-100°C(50-212°F) >>
 The unit automatically goes off 5 minutes later if the temp. is lower than the "Auto-Off Temp." To save battery, it is highly recommended to setup the "Auto-Off Temp." higher than the area's highest air temp.

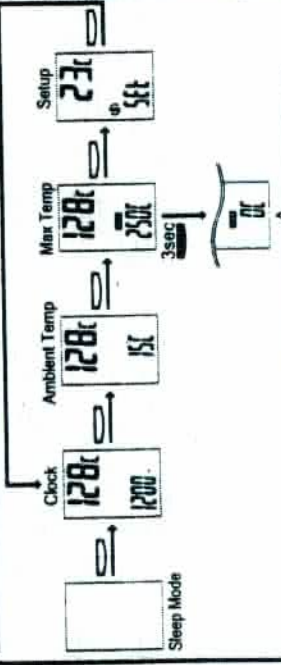
How to adjust
 To modify flashing digit, press button.
 To confirm and to go to the next digit, hold down button for 3 sec. After confirming the unit digit, it goes back to normal operation mode.

NORMAL OPERATION MODE



To clear, hold down button for 3 sec.

NORMAL OPERATION MODE

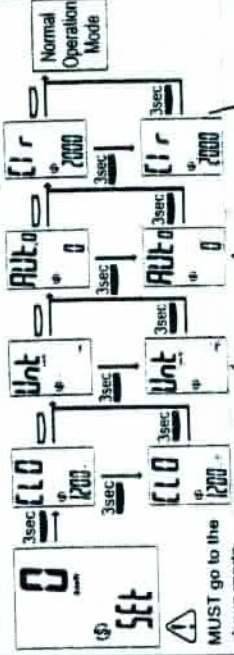


To clear, hold down button for 3 sec.

NANO-SPD

Button Icon's Definition
 [] = Press button
 [] 3sec = Hold down button for 3sec.

SETUP



MUST go to the above mode showing "0" before entering the setup mode.

Speed, Unit Setup
 "kmh" and "MPH" are automatically displayed in order. To confirm, hold down button for 3 sec. while the intended unit is displayed

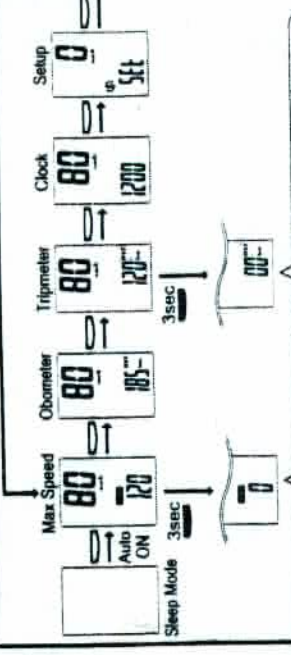
Auto Speed Calibration
 While "0" is flashing, drive exactly one km/mile. Stop the vehicle and hold down button for 3 sec. to finalize the setup. The lower number display starts counting the number of pulse obtained from vehicle while driving.

Adjust Clock
 To modify hour, press button. To go to the next setup mode, hold down button for 3 sec.

To modify Hour, press button in 2 seconds.

Wheel Circumference Input
 Find the circumference in millimeter by either measuring the wheel diameter or by rotating the wheel and measuring it.
 *Here is the formula to obtain wheel circumference from wheel diameter in millimeter.
 Wheel Diameter(in millimeter) x 3.14 = Circumference (in millimeter)
 Wheel Diameter(in inch) x 3.14 x 25.4 = Circumference (in millimeter)
Input the wheel circumference as per the following instruction.
 To modify flashing digit, press button. To confirm and to go to the next digit, hold down button for 3 sec. After confirming the unit digit, it goes back to normal operation mode.

NORMAL OPERATION MODE



To clear, hold down button for 3 sec.