

CODE : 752-6011000

APPLICATION : UNIVERSAL (O2 SENSOR MODEL)※WIRING MOD IS REQUIRED

CODE : 752-6011100

APPLICATION : i-Map installed model HONDA MINI HEATER LESS O2 SENSOR MODEL

Check the latest application models on our website. Applications are only Japan domestic models.

Removing outer cowls are required to install this product. Refer to the service manual about outer cowls removing and installing.

Wiring mod is required to install this product. Specified knowledge, skill and tools are required.

A/F·LAF sensor not usable. Able to use with installing other O2 sensor to exhaust pipe, etc.

- Thank you for purchasing Kitaco product. Read and understand the instruction before installing.
- Please check included parts before installing.
- Refer to the manufacturer service manual when installation.
- Please keep this instruction sheet safe.

ATTENTION (MUST READ)

- Obey Road Traffic Law and ride safely.
- This product is not perfectly waterproof.
- This product uses DC12V battery. It might not able to stable work because of battery deterioration or voltage reduction.
- If installing HID or special audio electrical products together, it might cause of not stable operation due to noise and voltage drop.
- Do not modify the way which is not listed or it will cause damage and trouble.
- We are not responsible for violation of law or damages and accidents caused by assembling mistake and improper setting.
- Follow this instruction sheet.

- This product is precision equipment. When installing, please do anti-vibration for prevent vibration.
- This product is designed for using with stock sensor. Use with other company's product might cause of operation failure. Be careful of it.
- Do not route wire near IG coil, high tension code, etc. It might cause of malfunction. Be careful of it.
- Product price, spec, etc may changed without any notice. Please understand.



This instruction sheet is for the person who has basic knowledge. Do not operate if you do not have skill and knowledge.



Keep the air circulating. Gasoline is harmful. Please start engine on well ventilated place.



FLAMMABLE
Inflammable high gasoline is used during operation.



Do not touch cylinder, crank case, exhaust, etc during or right after engine operation due to its high heat.



Remove battery minus terminal before start installing. Please do insulation treatment to the wire not used.

DETAIL

This meter displays throttle opening, rev and air fuel ratio that are important to FI fuel control setting.

- THROTTLE OPENING (0~100%)

Read stock sensor output voltage (0~5V).
Enter setting mode. Read voltage with the all throttle closed (0%) and open (100%). Then set up.

- REV

Read pick up pulse and display rev.
Able to set up pulse frequency by setting mode. (1~99 times)

- AIR FUEL RATIO (O2 SENSOR)

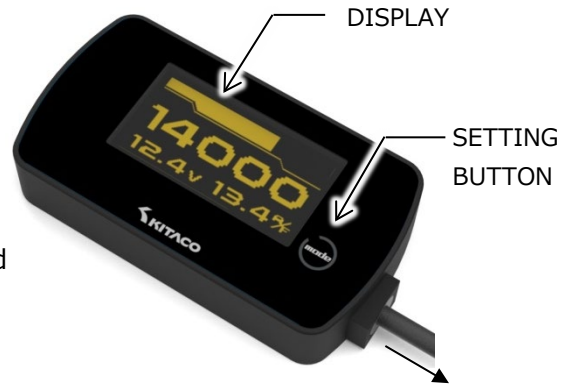
Connect to stock O2 sensor. Read voltage (0~1V) and calculate air fuel ratio and display.

※Install O2 sensor to exhaust pipe, etc to be able to get sensor electromotive force and displays air fuel ratio without connecting ECU.

※To identify air fuel ratio to RICH when smaller value, LEAN when bigger value than 14.7. It displays calculated value based on air fuel ratio value, but compared to A/F sensor, it is poorer accuracy.

- BATTERY VOLTAGE

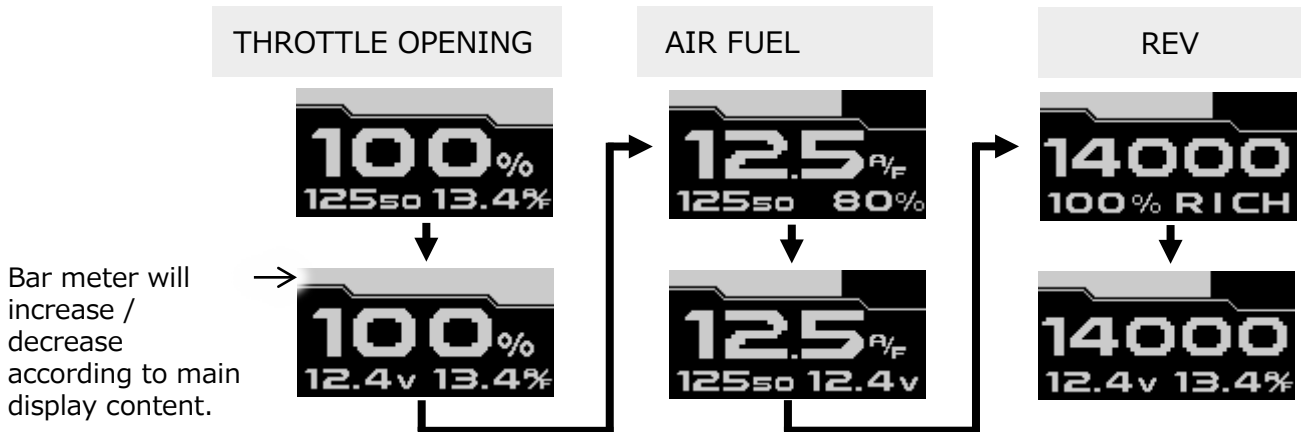
Displays accessory input voltage.



When using, be careful not to the harness being stressed to the pulling direction.

DISPLAY DETAILS

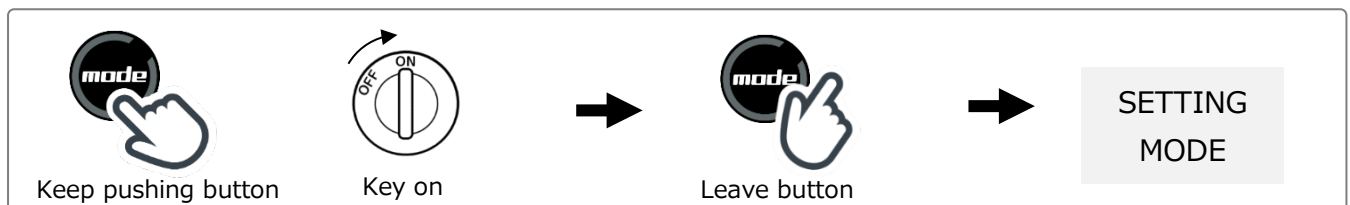
- Short pushing button changes display content.
The starting main display when power on can change on setting mode.



HOW TO SET UP

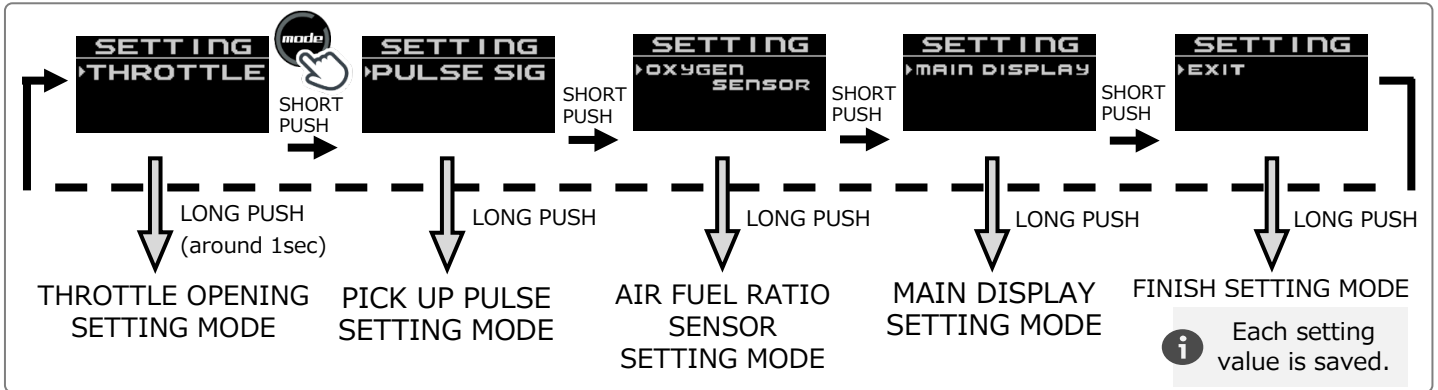
HOW TO ENTER SETTING

- Key on (power on) while pushing button.



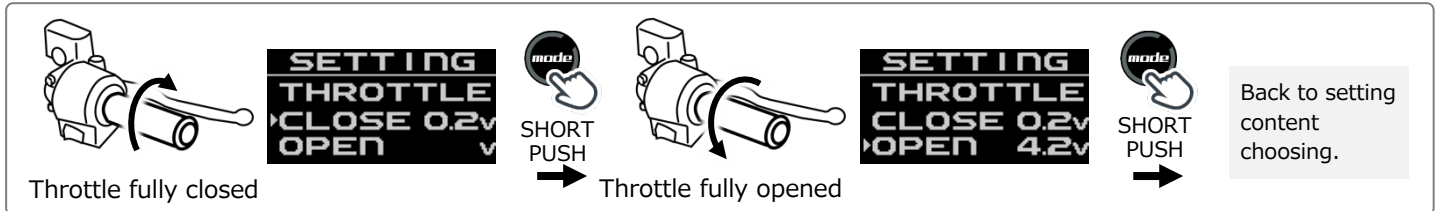
SETTING CONTENT

- Short push button to setting content changes in rotation.
(THROTTLE OPENING→PICK UP PULSE→AIR FUEL RATIO SENSOR→MAIN DISPLAY→FINISH SETTING MODE)
- Push longer in the content that want to enter each contents setting mode.



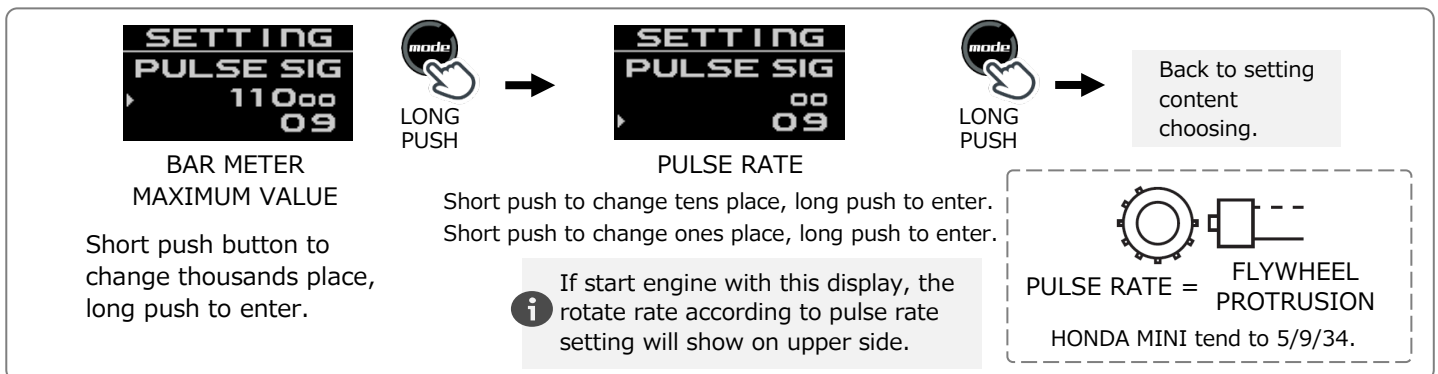
THROTTLE OPENING SETTING (THROTTLE)

- To read throttle opening sensor voltage, start operate with kill switch is "↻".



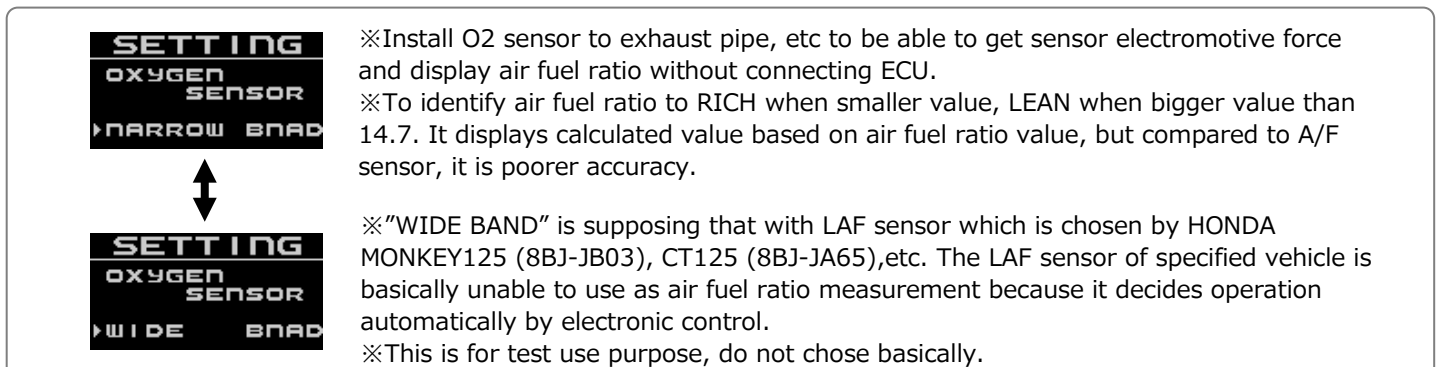
PICK UP PULSE SETTING (PULSE SIG)

- Upper value shows bar meter maximum value. (10,000~19,000rpm/1,000rev increments). Short push button to change thousands place, long push to enter.
- Lower value shows pulse rate. (1~99 times) Set up pulse rate according to vehicle to install.



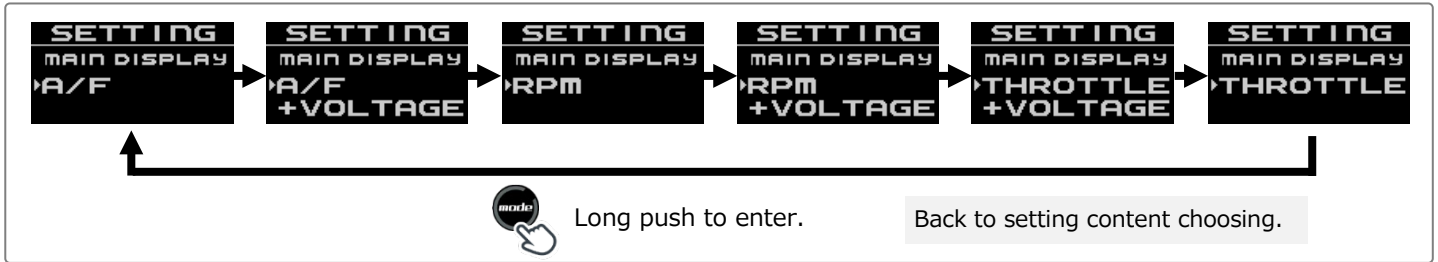
AIR FUEL RATIO SENSOR SETTING (OXYGEN)

- Chose air fuel ratio sensor. Short push to change and long push to enter.



MAIN DISPLAY SETTING (MAIN DISPLAY)

- Chose the first display content after power on. Short push button to change, long push to enter.



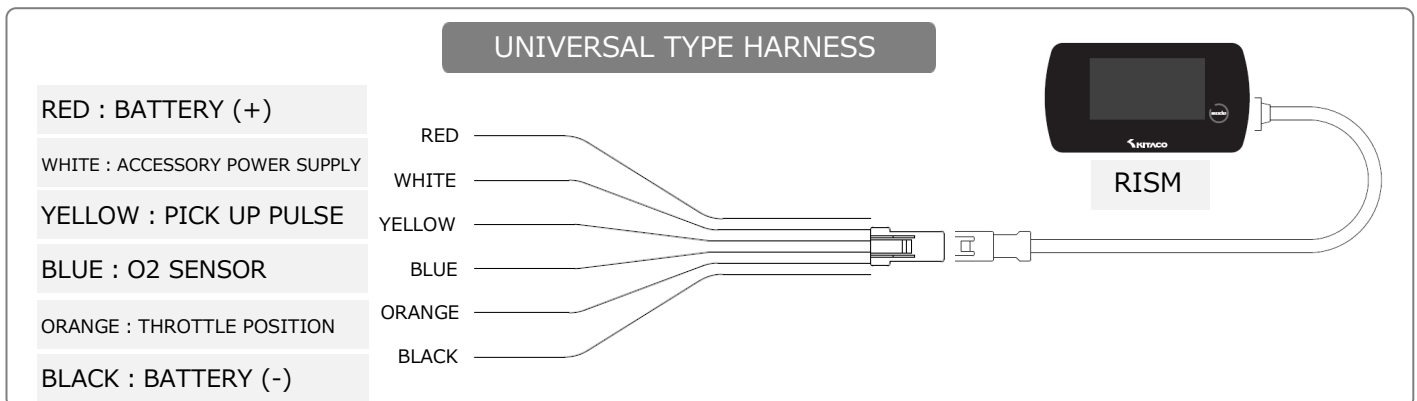
FINISH SETTING MODE (EXIT)

- Finish setting mode to save each setting value.



INSTALLING (UNIVERSAL / O2 SENSOR VEHICLE)

- Processing each sensor wiring to read signal.
- Refer to the service manual about how to remove / install outer parts.
- Instruction (illustration, photo) is different because of spec changes.



RED : BATTERY (12V+) **BLACK : BATTERY (GND-)**

Connect to DC12V battery or wiring that connected to battery.

※Continuous power supply uses OLED finish processing (when key off). *This power supply is not for memory backup.

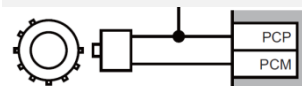
WHITE : ACCESSORY POWER SUPPLY(12V+)

Connect to the wire with DC12V flows when main key ON.

YELLOW : PICK UP PULSE (PCP)

Interruptly connect to pick up pulse signal.

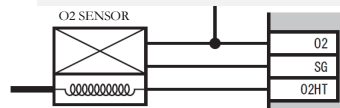
INTERRUPTLY CONNECT



BLUE : O2 SENSOR

Interruptly connect to O2 sensor signal. (Under DC5V)

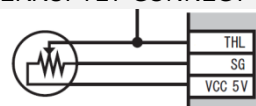
INTERRUPTLY CONNECT



ORANGE : THROTTLE POSITION(THL)

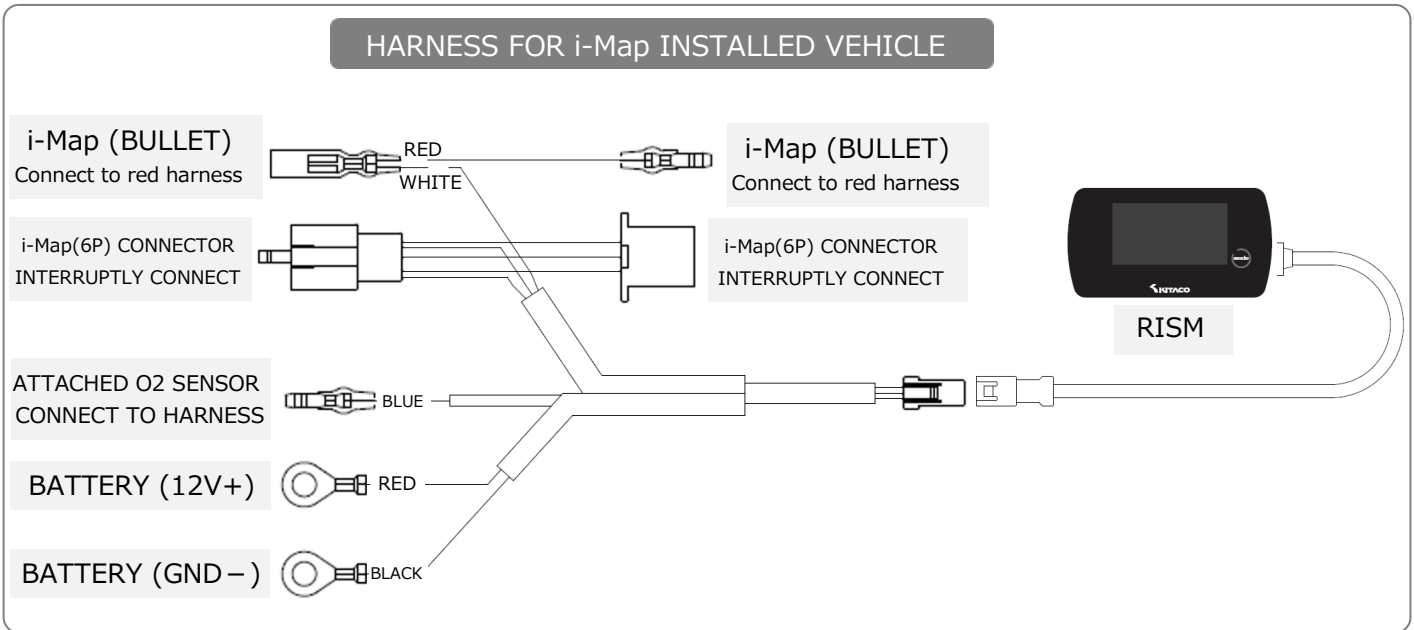
Interruptly connect to THROTTLE POSITION SENSOR signal.
(Under DC5V)

INTERRUPTLY CONNECT

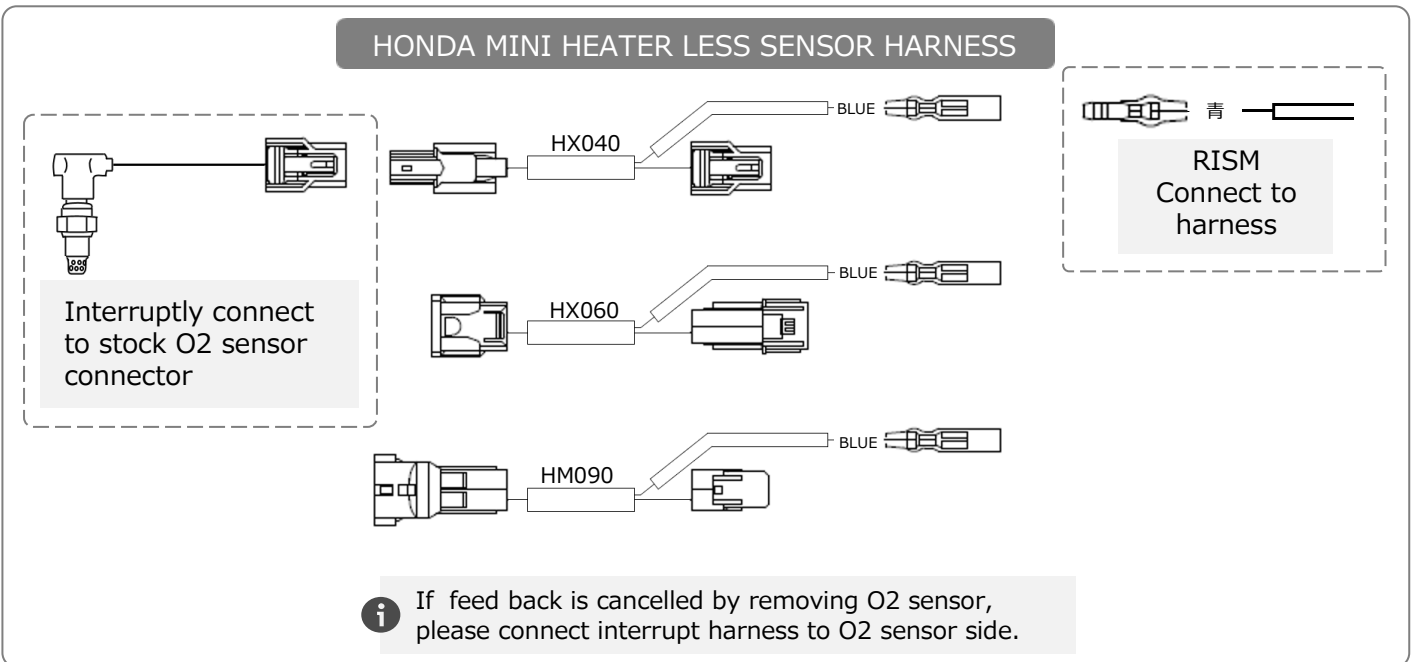


HOW TO INSTALL (i-Map installed vehicle HONDA MINI HEATER LESS O2 SENSOR MODEL)

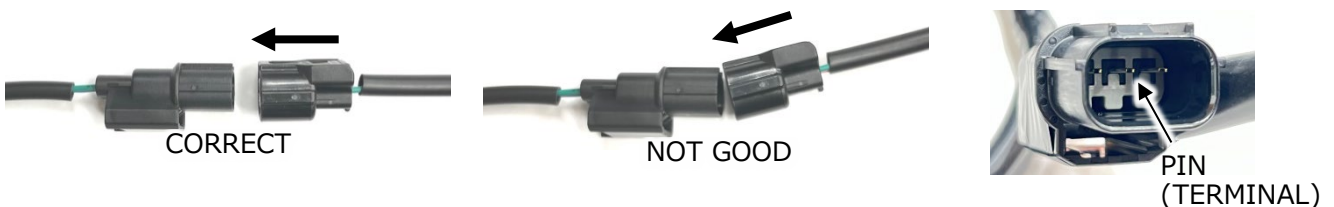
- Interruptly connecting to connector, etc. For doing this, removing outer cowls and other process are required.
- Refer to the service manual about how to remove / install outer parts.
- Instruction (illustration, photo) is different because of spec changes.



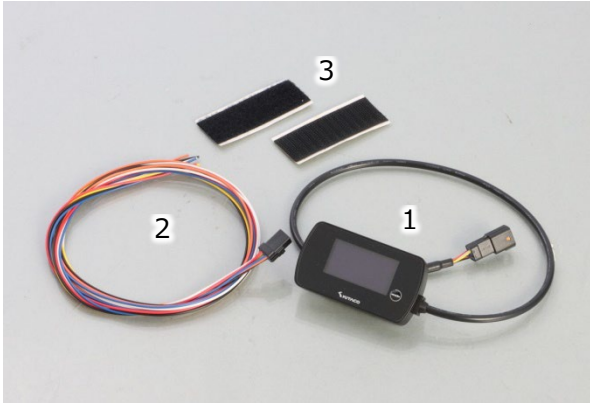
- Interruptly connect to stock O2 sensor connector. Please use same shape connector according to the vehicle.



- Make sure that each connector connecting part is correct. Same shape connector might be used other place or sensor. Misconnecting causes of break.
- ⚠ Route harness without any stress and install not to interrupt other parts.
- Insert connector straight. Forcibly insert diagonally might cause of deformation and break inside pin.

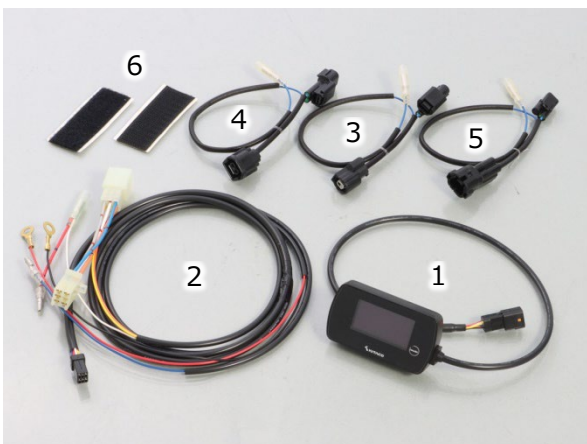


PACKING LIST (UNIVERSAL / O2 SENSOR MODEL)



1	RISM MAIN UNIT	x 1
2	SUB HARNESS (UNIVERSAL)	x 1
3	HOOK AND LOOP FASTENER	x 1

PACKING LIST (i-Map INSTALLED VEHICLE HONDA MINI HEATER LESS O2 SENSOR MODEL)



1	RISM MAIN UNIT	x 1
2	SUB HARNESS (For i-Map)	x 1
3	O2 HARNESS (HX040)	x 1
4	O2 HARNESS (HX060)	x 1
5	O2 HARNESS (HM090)	x 1
6	HOOK AND LOOP FASTENER	x 1