



● Thank you for purchasing 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.

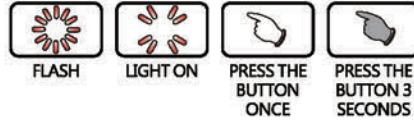
● MARK MEANING:

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

⚠ Some processes must be followed to avoid the affection caused by wrong installation.

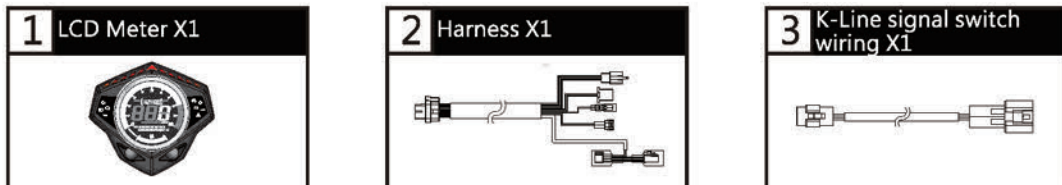
⚠ **WARNING!** Some processes must be followed to avoid damages to yourself or the public.

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



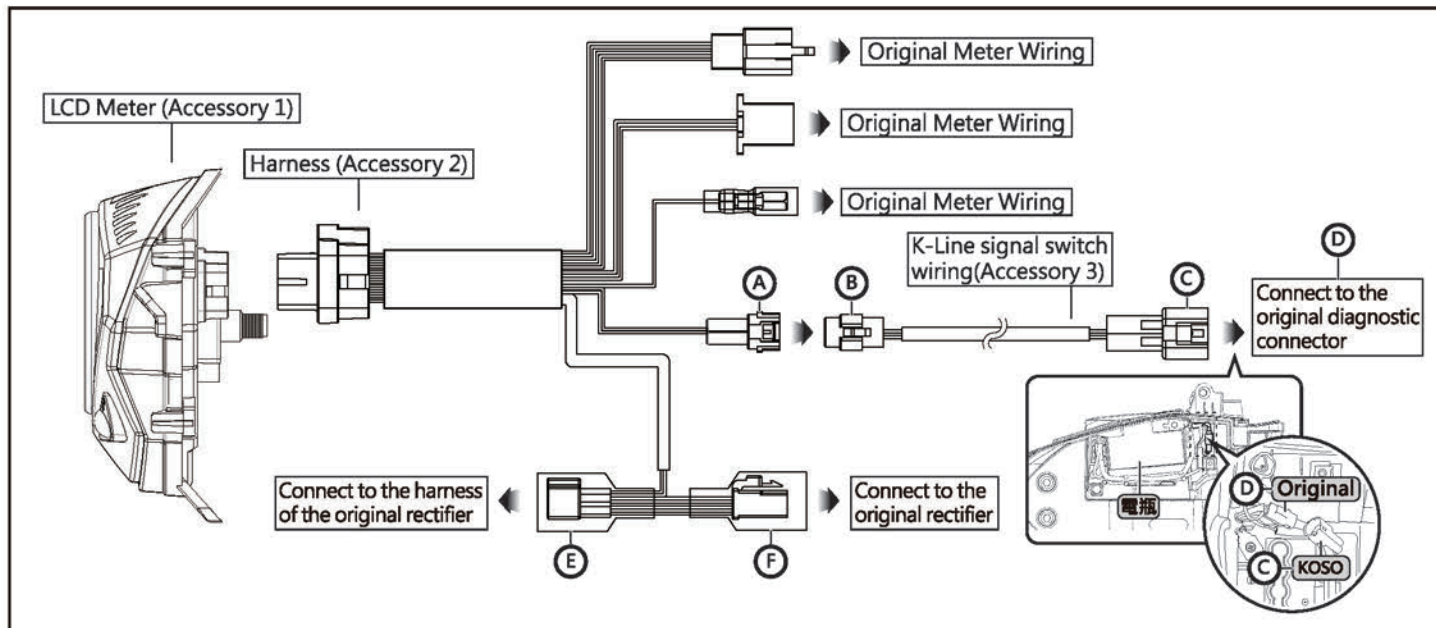
<b>CLOCK</b> CLOCK	<b>COLOR</b> COLOR	<b>White</b> White	<b>Red</b> Red	<b>Orange</b> Orange
<b>Yellow</b> Yellow	<b>Green</b> Green	<b>Blue</b> Blue	<b>Light Blue</b> Light Blue	<b>Purple</b> Purple
<b>SPEED</b> SPEED	<b>RPM</b> RPM	<b>FLASH</b> FLASH	<b>Temperature</b> Temperature	<b>AFR</b> AFR
<b>FUEL</b> FUEL	<b>VOLT</b> VOLT	<b>Tire</b> Tire	<b>OIL</b> OIL	<b>Bar</b> Bar
<b>Start</b> Start	<b>End</b> End	<b>Night</b> Night	<b>time</b> time	<b>Light</b> Light
<b>day</b> day	<b>Unit</b> Unit	<b>TPS</b> TPS	<b>OFFSET</b> OFFSET	<b>Adjust</b> Adjust
<b>OFFLINE</b> OFFLINE	<b>done</b> done	<b>Error</b> Error	<b>ODO</b> ODO	<b>total</b> total

## 1 Accessories



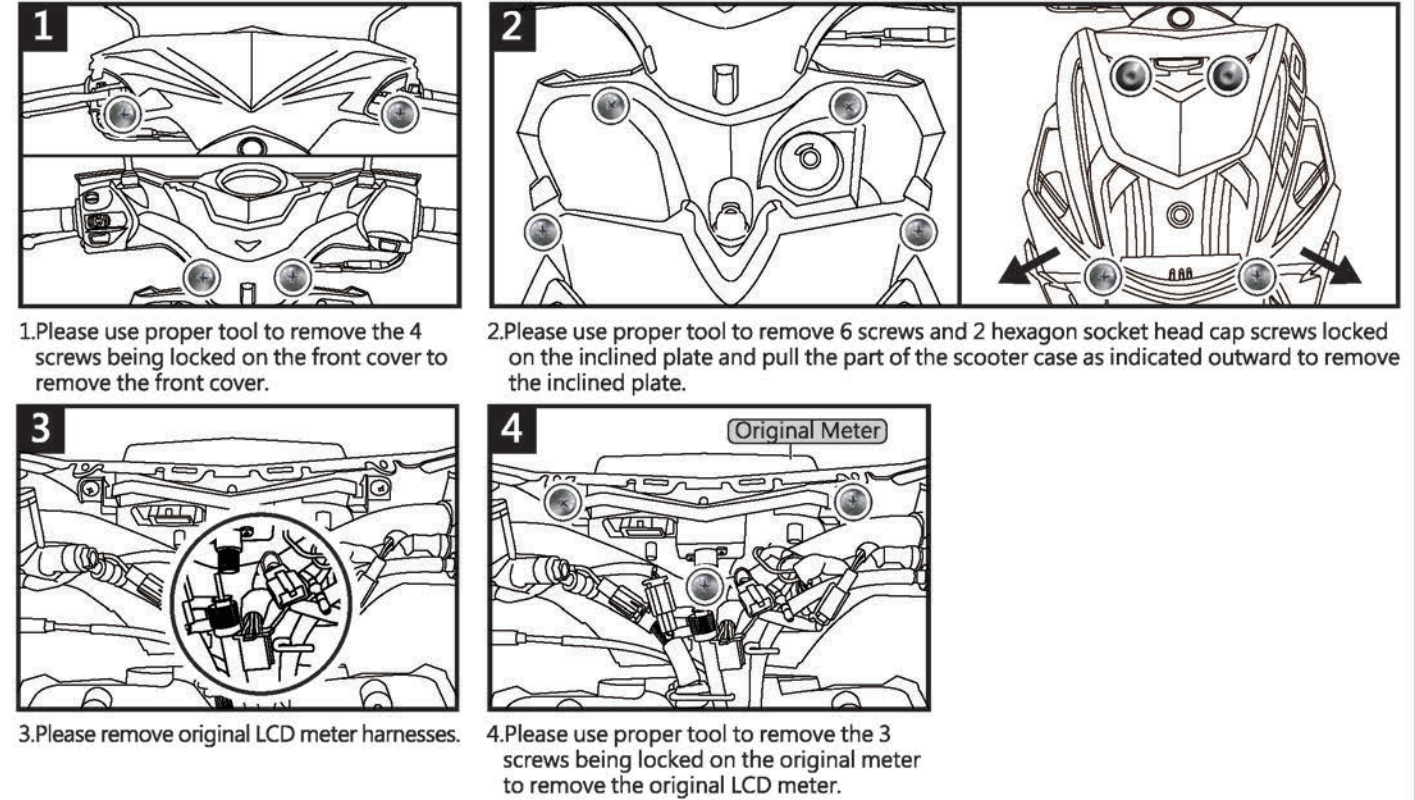
**NOTE** Contact your local distributor, if the items received in the box are not the same as the items listed above.

## 2-1 Wiring Installation Instructions



## 2-2 Practical Installation Instruction (1)

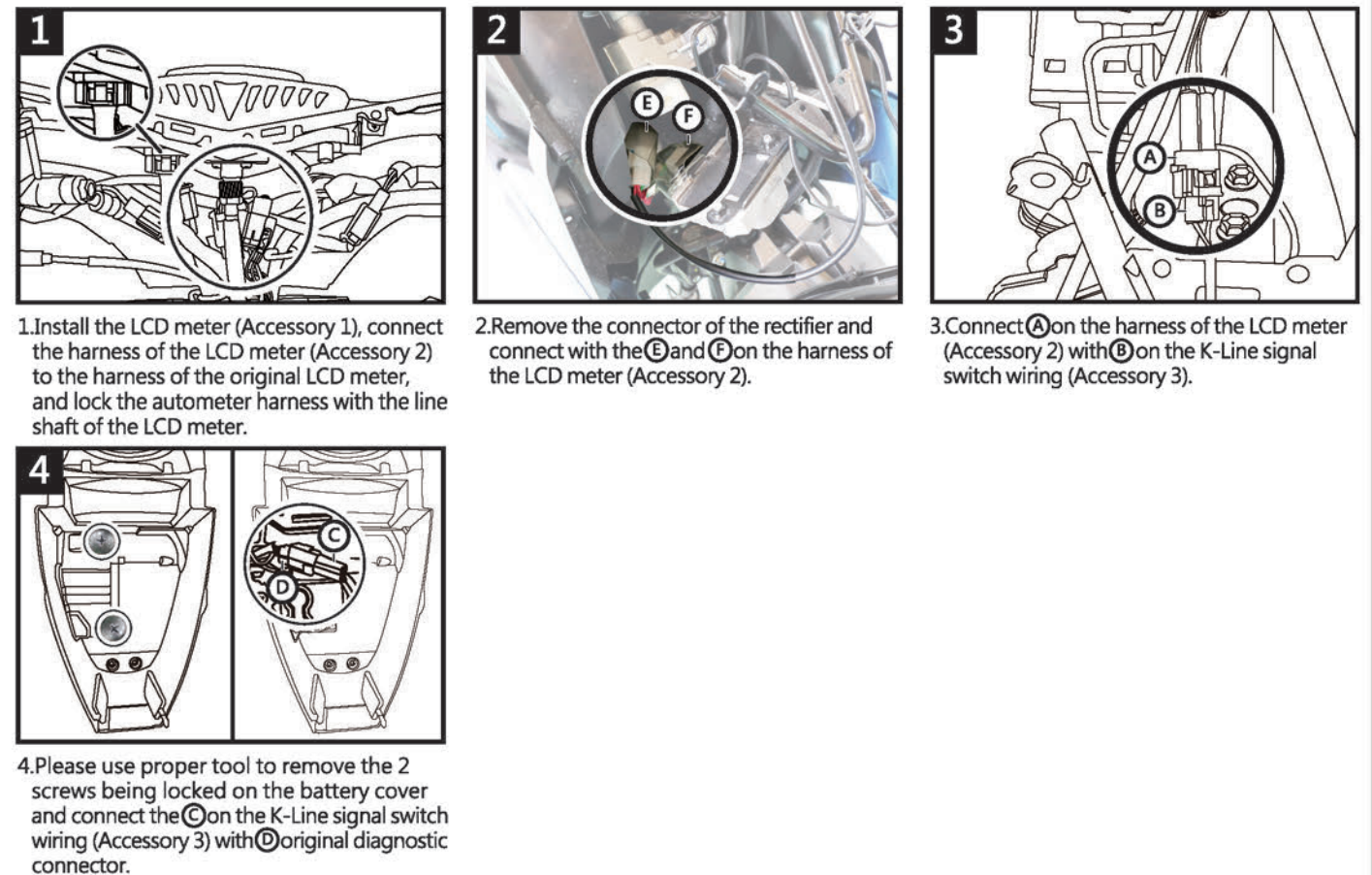
Follow the steps below during installation.



**NOTE** To disassemble, please refer to the instruction above, and install according to the reverse order of disassembly.


## 2-3 Practical Installation Instruction (2)

Follow the steps below during installation.





### 3-1 Basic Function Instruction












**LED BAR**  
● Display range : Speed 、 RPM 、 TPS

**Max. speed record**  
● Display range : 0~360 KPH (0~225 MPH)  
● Display unit : 1 KPH (MPH)

**Max. RPM**  
● Display range : 0~10,000 RPM (LCD BAR)

**Max. temperature record**  
● Display range : -30~250 °C (-22~482 °F)

**Indicator**  
● Idling stop (Green light)   
● Right indication light (green light)   
● Volt (red light)   
● ECO (green light)   
● Warning (red light)   
● Left indication light (green light)   
● Engine (amber light)   
● High beam light (blue light)   
● Motor oil (red light) 

**Fuel meter**  
● Display range : 5 levels  
● Display unit : 1 levels (Each level represents 20 %)

**Odometer**  
● Display range : 0~99,999 km (mile)  
● Display unit : 1 km (mile)

**Motor oil maintenance**  
● Display range :  
Metric Unit : 500~8,000 km (user adjustable)~ -5000 km , automatic decrease according to the increase of total distance.  
Imperial Unit : 300~5,000 mile (user adjustable)~ -5000 mile , automatic decrease according to the increase of total distance.  
● Display unit : 1 km (mile)

**Trip meter A 、 B**  
● Display range : 0~9,999.9 km (mile)  
● Display unit : 0.1 km (mile)

**Avg. speed**  
● Display range : 0~300 KPH (0~188 MPH)  
● Display unit : 1 KPH (MPH)

**Clock**  
● Display range : 0:00 ~ 23:59 (24H), 1:00 ~ 12:59 (12H)

**Thermometer**  
● Display range : -30~250 °C (-22~482 °F)  
● Display unit : 1 °C (Celsius), 1 °F (Fahrenheit)

**Voltmeter**  
● Display range : DC 8.0~18.0 V  
● Display unit : 0.1 V




**A/F ratio meter**  
● Display range : 12.1~17.5  
● Display unit : 0.1

**Speedometer**  
● Display range : 0~360 KPH (0~225 MPH)  
● Display unit : KPH, MPH

**Tachometer**  
● Display range : 0~12,000 RPM  
● Display unit : 100 RPM

**Select**      **Adjust**

### 3-2 Functions, Settings Description

● Speedometer	Display range : 0~360 KPH (0~225 MPH) Display unit : 1 KPH (MPH)	○ Lean setting	Setting range : 12.3~17.5 ,when A/F ratio warning function is turned on, A/F ratio > lean setting value , warning light will lit. Setting unit : 0.1
○ Display internal	<0.5 second	○ Rich setting	Setting range : 12.1~ lean warning value -0.2, when A/F ratio warning function is turned on, A/F ratio < rich setting value, warning light will lit. Setting unit : 0.1
○ Odometer	Display range : 00,000~99,999 km (mile) Display unit : 1 km (mile)	● Fuel meter	Display range : 5 levels (0~100 %) Display unit : 1 level (20 %)
○ Trip meter A 、 B	Display range : 0,000.0 ~ 9,999.9 km (mile) Display unit : 0.1 km (mile)	○ Fuel signal	Setting range : 1~3 level (20 %~60 %), at or below the setting value, the fuel signal flashes, warning light will lit. Setting unit : 1 level (20 %)
○ Motor oil maintenance	Display range : Metric Unit : 500~8,000 km (user adjustable)~ -5000 km , automatic decrease according to the increase of total distance. Display range : Imperial Unit : 300~5,000 mile (user adjustable)~ -5000 mile , automatic decrease according to the increase of total distance. Display unit : 1 km (mile)	● Clock	Display range : 0:00~23:59 (24H) 1:00~12:59 (AM/PM)(12H)
○ Speeding warning setting	Setting range : 50 ~ 360 KPH (31 ~ 225 MPH), when above(including) setting value , warning light will lit. Setting unit : 1 KPH (MPH)	● Digital voltmeter	Display range : DC 8.0~18.0 V Display unit : DC 0.1 V
○ Max. speed record	Display range : 0~360 KPH (0~225 MPH) Display unit : 1 KPH (MPH)	○ Low voltage warning	Setting range : DC 8.0~18.0 V, at or below the setting value, the voltage signal lit. Setting unit : DC 0.1 V
○ Avg. speed record	Display range : 0~300 KPH (0~188 MPH) Display unit : 1 KPH (MPH)	● Throttle Position Sensor(TPS) calibrate	Setting range : 50~200 %
○ Tire percentage	Setting range : 50~210 % Setting unit : 1 %	● Back light brightness (LCD)	Setting range : Day (1~5 level)/Night (1~5 level)
● Digital tachometer	Display range : 0~12,000 RPM Display unit : 100 RPM	○ Back light color	Setting range : white, red, orange, yellow, green, blue, light blue, purple, Loop switch
○ Tachometer (LCD Bar)	Display range : 0~10,000 RPM Display unit : 125 RPM	● LED BAR mode setting	Setting range : speed, revolution speed, Throttle Position Sensor(TPS)
○ Display internal	<0.5 second	● Unit	Speed unit : KPH, km and MPH, mile Temperature unit : °C (Celsius) and °F (Fahrenheit)
○ Shift light warning setting(Lit)	Setting range : 5,000~12,000 RPM (Lit setting), when above(including) setting value , warning light will lit. Setting unit : 100 RPM	● Voltage	DC 12 V
○ Shift light warning setting(flash)	Setting range : 5,000~12,000 RPM (flash setting), when above(including) setting value , Shift light signal flash. Setting unit : 100 RPM	● Operating temperature	-10~+60 °C
○ Max. rotating speed	Display range : 0~10,000 RPM (LCD BAR) Display unit : 125 RPM	● Specification	JIS D 0203 S2
● Digital thermometer	Display range : -30~250 °C (-22~482 °F) Display unit : 1 °C ( °F)	● Meter Size	160 x 100 x 32 mm
○ Overheat warning setting	Display range : 60~250 °C (140~482 °F) · when above(including) setting value , warning light will lit. Display unit : 1 °C ( °F)	● Meter Weight	Around 200 g
○ Max. temperature record	Setting range : -30~250 °C (-22~482 °F) Setting unit : 1 °C ( °F)	● Indicator	Idling stop (Green light)  Right indication light (green light)  Volt (red light)  ECO (green light)  Warning (red light)  Left indication light (green light)  Engine (amber light)  High beam light (blue light)  Motor oil (red light) 
● A/F ratio meter	Display range : 12.1 ~ 17.5 Display unit : 0.1	<b>NOTE</b> Any design and specification changes, will not be notify.	



### 3-3 Select Button Function Instruction

	● In the clock screen, press the Select button to enter the thermometer screen.		● In the A/F ratio screen, press the Select button to go back to the clock screen.
	● In the thermometer screen, press the Select button to enter the voltmeter screen.		● In the clock screen.
	● In the voltmeter screen, press the Select button to enter the A/F ratio screen.	● Regardless of the screen, press Select button for 3 seconds to switch between the LED Bar mode (speed · revolution speed · Throttle Position Sensor(TPS)). 	

### 3-4 Adjust Button Function Instruction

	● In the ODO screen, press the Adjust button to enter the Trip A screen.		Prepare for reset: Reset: In the average speed record screen.
	● In the Trip A screen, press the Adjust button to enter the Trip B screen.		● In the average speed record screen, press the Adjust button to enter the Max. record screen. ● Press the Adjust button for 3 seconds to reset average speed record screen.  ⚠ When the average speed record are deleted, Trip B will also be deleted.
	● Press the Adjust button for 3 seconds to reset Trip A screen.		● In the Max. record screen, press the Adjust button to go back to the ODO screen. ● Press the Adjust button for 3 seconds to reset Max. record screen. 
	● In the Trip B screen, press the Adjust button to enter the motor oil maintenance screen.		● In the ODO screen.
	● Press the Adjust button for 3 seconds to reset Trip B setting.		
	⚠ When Trip B are deleted, the average speed record will also be deleted.		
	● In the motor oil maintenance screen, press the Adjust button to enter the average speed record screen. ● Press the Adjust button for 3 seconds, to reset motor oil maintenance screen. NOTE To cancel the reset, press Adjust to switch to average speed record screen. ⚠ When the oil mileage decreased to or below 0 km (mile), the motor oil signal will lit.		

### 4 The Settings Screen Description (Common Function)

● Press and hold the Adjust+Select buttons for 3 seconds to enter Common function setting.  
 ● Press the Adjust button to select clock (4-1), backlight color (4-2), speeding warning (4-3), shift light warning (4-4), overheat warning (4-5), A/F ratio warning (4-6), low fuel warning (4-7), low voltage warning (4-8) and etc.  
 NOTE During setting, if button is not pressed in 30 seconds, it will automatically return to main screen.  
 NOTE After exiting settings, the setting is completed.

#### 4-1 Clock Setting

	● Press the Select button to enter the clock setting.		● Example : To set time(minute) as 10 minutes. ● Press the Select button to move to the digit you want to set. ⚠ Now the setting value is flashing! NOTE Setting range : 00~59 minutes.
	● Example : Changing the 12H. ● Press the Adjust button to choose the setting number. ⚠ Now the setting value is flashing! NOTE Setting range : 12H, 24H.		● Press the Adjust button to choose the setting number.
	● EX : Set time format from 12-hours to 24-hours. ● Press the Select button to enter time adjustment hour setting.		● EX : Set minute from 0 minute to 10 minutes. ● Press the Select button to go back to the time setting.
	● Example : To set time(hour) as 10 hours. ● Press the Adjust button to choose the setting number. ⚠ Now the setting value is flashing! NOTE Cursor moving order is : Hour → Digit in ten minutes → Digit in minutes NOTE Setting range : 1~12 (12H) 0~23 (24H)		● Press the Adjust button to enter next operation setting.
	● EX : Set hour from 12:00 AM to 10:00 PM. ● Press the Select button to enter time adjustment minute setting.		



#### 4-2 Backlight Color Setting



- Press the **Select** button to enter the backlight color setting.



- EX : Set backlight color from white to yellow.
- Press the **Select** button to go back to the backlight color setting.



- Example : To set backlight color to yellow.
- Press the **Adjust** button to choose the color.

⚠ Now the setting value is flashing!

**NOTE** Switch color according to the following order, white, red, orange, yellow, green, blue, light blue, purple.

**NOTE** The backlight color will change immediately after you set the value.



- Press the **Adjust** button to enter next operation setting.

#### 4-3 Speeding Warning Setting



- Press the **Select** button to enter the speeding warning setting.



- EX : Set speeding warning value from 70 KPH to 80 KPH.
- Press the **Select** button to go back to the speeding warning setting.



- Example : To set speeding warning value to 80 KPH.
- Press the **Select** button to move to the digit you want to set.

⚠ Now the setting value is flashing!

**NOTE** Setting range : 50~360 KPH (31~225 MPH)



- Press the **Adjust** button to enter next operation setting.



- Press the **Adjust** button to choose the setting number.

#### 4-4 Shift Light Warning Setting



- Press the **Select** button to enter the shift light warning(Lit) setting.



- Press the **Adjust** button to choose the setting number.



- Example : To set shift light warning (Lit) value to 12,000 RPM.
- Press the **Select** button to move to the digit you want to set.

⚠ Now the setting value is flashing!

**NOTE** Setting range : 5,000~12,000 RPM



- EX : Set shift light warning(Lit) value from 8,000 RPM to 12,000 RPM.
- Press the **Select** button to enter the shift light warning(flashing) setting.



- Example : To set shift light warning (flashing) value to 11,000 RPM.
- Press the **Select** button to move to the digit you want to set.

⚠ Now the setting value is flashing!

**NOTE** Setting range : 5,000~12,000 RPM

⚠ It will flash when it reach the shift light value.



- Press the **Adjust** button to choose the setting number.



- EX : Set shift light warning (flashing) value from 7,000 RPM to 11,000 RPM.
- Press the **Select** button to go back to the shift light warning setting.



- Press the **Adjust** button to enter next operation setting.

#### 4-5 Overheat Warning Setting



- Press the **Select** button to enter the overheat warning setting.



- EX : Set overheat warning value from 110 °C to 120 °C.
- Press the **Select** button to go back to the overheat warning setting.



- Example : To set overheat warning value to 120 °C.
- Press the **Select** button to move to the digit you want to set.

⚠ Now the setting value is flashing!

**NOTE** Setting range : 60 ~250 °C (140 ~482 °F)



- Press the **Adjust** button to choose the setting number.



- Press the **Adjust** button to enter next operation setting.

#### 4-6 A/F Ratio Warning Setting



- Press the **Select** button to enter the A/F ratio warning setting.



- Example : A/F ratio lean warning value is set at 17.0.
- Press the **Select** button to move to the digit you want to set.

⚠ Now the setting value is flashing!

**NOTE** Setting range : L (12.3~17.5)



- Press the **Adjust** button, and select whether to turn on the A/F ratio warning function.
- Select **ON** to enter the A/F ratio (rich/lean) warning setting.

⚠ Now the setting value is flashing!

**NOTE** Setting range : OFF · ON

**NOTE** Select OFF to return to the A/F ratio warning main screen.



- Press the **Adjust** button to choose the setting number.





- EX : Set A/F ratio lean warning value from 14.9 to 17.0.
- Press the Select button to enter the A/F ratio rich warning setting.



- Example : A/F ratio rich warning value is set at 12.5.
- Press the Select button to move to the digit you want to set.
- ▲ Now the setting value is flashing!
- NOTE Setting range : A (12.1 ~lean warning value-0.2).



- Press the Adjust button to choose the setting number.

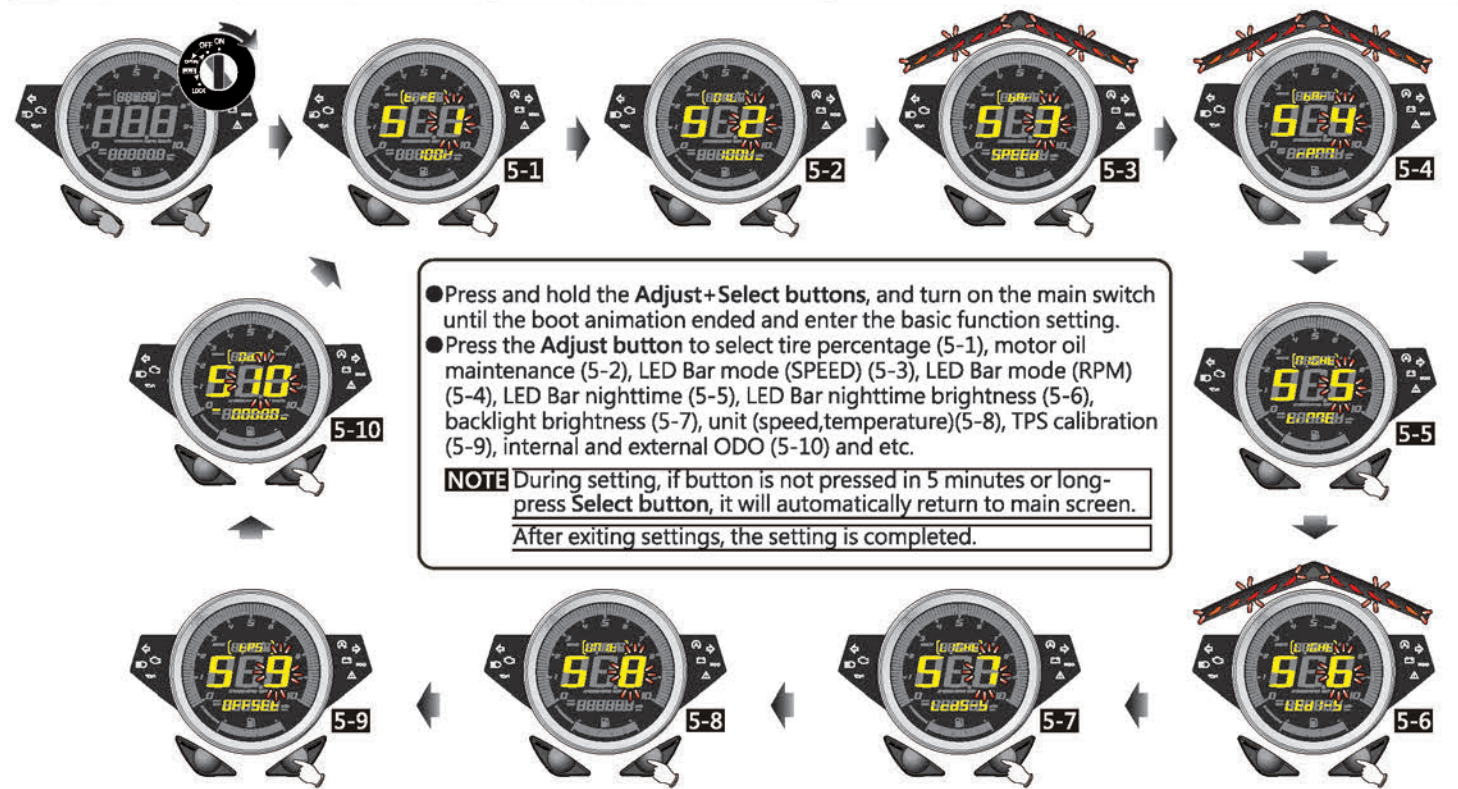


- EX : Set A/F ratio rich warning value from 14.0 to 12.5.
- Press the Select button to go back to the A/F ratio warning setting.



- Press the Adjust button to enter next operation setting.

## 5 The Settings Screen Description (Basic Function)



## 4-7 Low Fuel Warning Setting



- Press the Select button to enter the low fuel warning setting.



- Example : To set low fuel warning value to 3 level(60%).
- Press the Select button to choose the setting number.
- ▲ Now the setting value is flashing!
- NOTE Setting range : 1~3 level(20~60 %).



- EX : Set low fuel warning value from 1 level(20%) to 3 level(60%).
- Press the Select button to go back to the low fuel warning setting.



- Press the Adjust button to enter next operation setting.

## 5-1 Tire Percentage Setting



- Press the Select button to enter the tire percentage setting.



- Please reset this setting value when you change a different size tire.
- Example : The new tire circumference is 1,527 mm. The calculation equation is as below.
- The new tire circumference 1,527mm ÷ the original tire circumference 1,454 mm X (100 %) =The setting value (105 %).
- Press the Select button to move to the digit you want to set.
- ▲ Now the setting value is flashing!
- NOTE Cursor's order : hundred → ten → digit
- NOTE Setting range : 50 ~ 210 %



- Press the Adjust button to choose the setting number.



- EX : The tire percentage setting is changed from 100 % to 105 %.
- Press the Select button to go back to the tire percentage setting.



- Press the Adjust button to enter next operation setting.

## 4-8 Low Voltage Warning Setting



- Press the Select button to enter the low voltage warning setting.



- Example : To set low voltage warning value to DC 11.0 V.
- Press the Adjust button to choose the setting number.
- ▲ Now the setting value is flashing!
- NOTE Setting range : DC 8.0~18.0 V



- EX : Set low voltage warning value from DC 10.0 V to DC 11.0 V.
- Press the Select button to go back to the low voltage warning setting.



- Press the Adjust button, back to the main screen.

**P.S.**

● You could define the valve as the starting point and measure the wheel circumference with a measuring tape.

**P.S.**


When changing gears or tire size, it can adjust the tire percentage (%) parameter to calibrate speed.

1. When switching tire size


Tire percentage (%)		← Tire size from small to large		Tire size from large to small	→	Tire percentage (%)
$= \frac{1,527}{1,454} \times 100 = 105$						$= \frac{1,381}{1,454} \times 100 = 95 \%$




## 5-2 Motor Oil Maintenance Setting



- Press the **Select** button to enter the motor oil maintenance setting.



- **Example** : To set motor oil maintenance as 1,200 km.
- Press the **Select** button to move to the digit you want to set.
- ⚠ **Now the setting value is flashing!**
- NOTE** Cursor's order : thousand > hundred
- NOTE** Setting range : 500 ~ 8,000 km (300 ~ 5,000 mile)  
Setting unit : 100 km (mile)



- Press the **Adjust** button to choose the setting number.




- **EX** : The motor oil maintenance setting is changed from 1,000 km to 1,200 km.
- Press the **Select** button to go back to the motor oil maintenance setting.




- Press the **Adjust** button to enter next operation setting.


## 5-3 LED Bar Mode Setting (SPEED)




- Press the **Select** button to enter the LED Bar initial (SEAR-E) speed mode setting.




- **Example** : To set LED Bar initial (SEAR-E) speed value to 60 KPH.
- Press the **Select** button to move to the digit you want to set.
- ⚠ **Now the setting value is flashing!**
- NOTE** Cursor's order : hundred → ten → digit
- NOTE** Setting range : 0~350 KPH (0~219 MPH)




- Press the **Adjust** button to choose the setting number.




- **EX** : Set LED Bar initial (SEAR-E) speed value from 0 KPH to 60 KPH.
- Press the **Select** button to enter the LED Bar ending (END) speed mode setting.




- **Example** : To set LED Bar ending (END) speed value to 100 KPH.
- Press the **Select** button to move to the digit you want to set.
- ⚠ **Now the setting value is flashing!**
- NOTE** Cursor's order : hundred → ten → digit
- NOTE** Setting range : initial speed+10 ~ 360 km/h (initial speed+10 ~225 MPH)



- Press the **Adjust** button to choose the setting number.



- **EX** : Set LED Bar ending (END) speed value from 90 KPH to 100 KPH.
- Press the **Select** button to go back to the LED Bar mode setting (SPEED).



- Press the **Adjust** button to enter next operation setting.

## 5-4 LED Bar Mode Setting (RPM)




- Press the **Select** button to enter the LED Bar initial (SEAR-E) RPM mode setting.




- **Example** : To set LED Bar initial (SEAR-E) RPM value to 6,500 RPM.
- Press the **Select** button to move to the digit you want to set.
- ⚠ **Now the setting value is flashing!**
- NOTE** Setting range : 0 ~ (over rpm warning value -1,000) RPM.



- Press the **Adjust** button to choose the setting number.




- **EX** : Set LED Bar initial (SEAR-E) RPM value from 6,000 RPM to 6,500 RPM.
- Press the **Select** button to go back to the LED Bar mode setting (RPM).




- Press the **Adjust** button to enter next operation setting.


## 5-5 LED Bar Nighttime Setting




- Press the **Select** button to enter the LED Bar nighttime setting.




- **Example** : To set LED Bar nighttime starting time to 5:00 PM.
- Press the **Adjust** button to choose the setting number.
- ⚠ **Now the setting value is flashing!**
- NOTE** setting range : 1~12 (12H)  
0 ~23 (24H)




- **EX** : Setting LED Bar nighttime starting time from 6:00 PM to 5:00 PM .
- Press the **Select** button to enter the LED Bar nighttime ending time setting.



- **Example** : To set LED Bar nighttime ending time to 6:00 AM.
- Press the **Adjust** button to choose the setting number.
- ⚠ **Now the setting value is flashing!**



- **EX** : Set LED Bar nighttime ending time from 5:00 AM to 6:00 AM.
- Press the **Select** button to go back to the LED Bar nighttime setting.
- NOTE** When the time reaches the scope of the night-time mode, the brightness of the LED Bar and the back light will be adjusted to the night-time brightness set by the user. When the time falls out of such scope of time, the LED Bar is fully light.
- ⚠ If the starting time and the ending time setting of the night-time mode is the same, means the night-time mode is turned off.



- Press the **Adjust** button to enter next operation setting.



### 5-6 LED Bar Nighttime Brightness Setting



- Press the Select button to enter the LED Bar nighttime brightness setting.



- EX : Set LED Bar nighttime brightness from 1 (20%) to 3 (60%).
- Press the Select button to go back to the LED Bar nighttime brightness setting.



- Example : To set LED Bar nighttime brightness to 3(60%).
- Press the Adjust button to choose the setting number.

⚠ Now the setting value is flashing!

**NOTE** Setting range :  
1 (Darkest) ~ 5 (Brightest),  
5 different levels available.  
Setting unit : 20% per level.

**NOTE** The LED Bar will change immediately after you set the value.



- Press the Adjust button to enter next operation setting.

### 5-7 Backlight Brightness Setting



- Press the Select button to enter the backlight brightness (day) setting.



- Example : To set the backlight brightness (night) at 1(20%).
- Press the Adjust button to choose the setting number.

⚠ Now the setting value is flashing!

**NOTE** Setting range :  
1 (Darkest) ~ 5 (Brightest),  
5 different levels available.  
Setting unit : 20% per level.

**NOTE** The backlight brightness will change immediately after you set the value.



- Example : To set the backlight brightness (day) at 4(80%).
- Press the Adjust button to choose the setting number.

⚠ Now the setting value is flashing!

**NOTE** Setting range :  
1 (Darkest) ~ 5 (Brightest),  
5 different levels available.  
Setting unit : 20% per level.

**NOTE** The backlight brightness will change immediately after you set the value.



- EX : The backlight brightness (night) setting is changed from 2 (40%) to 1 (20%).
- Press the Select button to go back to the backlight brightness setting.



- EX : The backlight brightness (day) setting is changed from 5 (100%) to 4 (80%).
- Press the Select button to enter the backlight brightness (night) setting.



- Press the Adjust button to enter next operation setting.

### 5-8 Unit (Speed, Temperature) Setting



- Press the Select button to enter the speed unit setting.



- Example : To set speed unit as MPH (mile).
- Press the Adjust button to choose the setting number.

⚠ Now the setting value is flashing!

**NOTE** Setting range :  
KPH, km and MPH, mile



- EX : Set speed unit from KPH to MPH.
- Press the Select button to enter the temperature unit setting screen.



- EX : Set temperature unit from °C (Celsius) to °F (Fahrenheit).
- Press the Select button to go back to the unit (speed, temperature) setting.



- Example : To set temperature unit to °F.
- Press the Adjust button to choose the setting number.

⚠ Now the setting value is flashing!

**NOTE** Setting range :  
°C (Celsius) and °F (Fahrenheit)



- Press the Adjust button to enter next operation setting.

### 5-9 TPS Calibration Setting



- Press the Select button to enter the TPS calibration setting.



- EX : Current accelerator's TPS calibrate setting value is 100 %.
- Press the Select button to go back to the TPS calibration setting.

⚠ If the calibration value exceeds the default value for 50-200 %, it shall be regarded as calibration incorrectly.

⚠ When not connecting to the sensor, the no connection warning will pop up.



- Example : To calibrate TPS to 100 %.
- Turn on the main power switch, twist the accelerator to full mode, the LCD will display current TPS percentage.
- Press the Adjust button to TPS calibrating.

⚠ Warning! During TPS calibration, do not start the engine.

⚠ When the throttle is not fully opened, the error warning will show.



- Press the Adjust button to enter next operation setting.

**PS**

1. Turn the throttle to full position, then hold it.

2. press the Adjust button

3. TPS calibration as 100 %

or

1. Turn the throttle to full position, then hold it.

2. press the Adjust button

3. TPS calibration as 100 %

### 5-10 Internal and External ODO Setting



- Press the Select button to enter the internal ODO inspect setting.



- EX : Currently internal ODO inspect as 50,000 km.
- Press the Select button to enter the external ODO setting.

⚠ User unable to adjust or clear internal ODO.

**NOTE** Setting range :  
0~99,999 km (mile)





● Example : To set external total distance value to 12,500 km.

● Press the Select button to move to the digit you want to set.

⚠ Now the setting value is flashing!

NOTE Cursor's order : thousands→thousand→hundred→ten→digit

NOTE Setting range : 0 ~ 99,999 km (mile)



● EX : Set external total distance value from 10,000 km to 12,500 km.

● Press the Select button to go back to the total distance setting.



● Press the Adjust button to choose the setting number.



● In the internal and external ODO setting.

● Regardless of the screen, press Select button for 3 seconds and return to the 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	Trouble	Check item
The meter doesn't work when the power is on.	<ul style="list-style-type: none"> <li>● The power does not supply to the meter. → Please make sure the wiring is connected. The wiring and fuse are not broken.</li> <li>→ The battery is broken or the battery is too old to supply enough power (DC 9 V) to make the meter work.</li> </ul>	RPM · A/F ratio · temperature and TPS does not display or display error.	<ul style="list-style-type: none"> <li>● May be poor connection of the K-Line signal switch wiring. → Please make sure the K-Line signal switch wiring is connected correctly.</li> </ul>
Speedometer does not display or display error.	<ul style="list-style-type: none"> <li>● May be poor connection of the autometer harness or poor conduction. → Please make sure the autometer harness is connected correctly.</li> <li>● May be setting error. → Please check the 5-1 tire percentage setting.</li> </ul>	Fuel meter does not display or display error.	<ul style="list-style-type: none"> <li>● May be poor connection of the harness. → Please make sure the wires are connected correctly. → Please check whether the original fuel signal wire is connected.</li> </ul>
Odometer and trip meter is not accumulated or display error.	<ul style="list-style-type: none"> <li>● May be poor connection of the autometer harness or normal conduction. → Please make sure the autometer harness is connected correctly.</li> <li>● May be setting error. → Please check the 5-1 tire percentage setting.</li> </ul>	The clock is incorrect.	<ul style="list-style-type: none"> <li>● The power does not supply to the meter. → Please check whether (E) and (F), the rectifier wiring on the harness of the LCD meter (Accessory 2), are correctly installed.</li> <li>● May be setting error. → Please check the 4-1 clock setting.</li> </ul>
		The meter indicator did not display.	<ul style="list-style-type: none"> <li>● May be poor connection of the harness. → Please make sure the wires are connected correctly.</li> </ul>

※ If the problem persists after reviewing the options above, please contact your local distributor.