

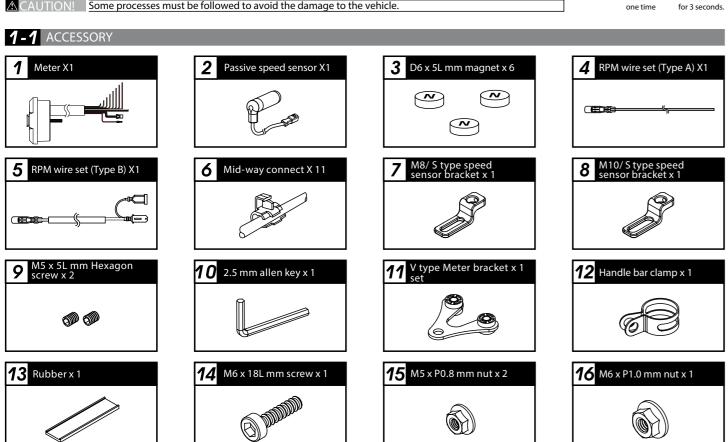
Thank you for purchasing KOSO style speedometer. Before operating the unit, please read the instruction thoroughly and retain it for the future

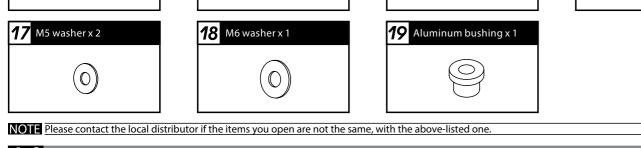
# reference. ▲ NOTICE

- 1. The lcd meter is apply for DC 12V.
- 2.For installation, please follow the steps described in manual. Any damage caused by wrong installation shall be imputed to the users.
- 3.To avoid the short circuit, please don't pull the wire when installing. Don't break or modify the wire terminal.
- 4.Do not disassemble or change any parts excluding the manual description.
- 5. The interior examination or maintenance should be executed by our professionals.

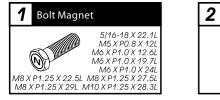
### MARK MEANING:

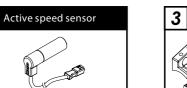
NOTE You could get the installation details from the information behind the mark.	s 10		
$\underline{\wedge}$ Some processes must be followed to avoid the affection caused by wrong installation.	<b>%</b>		
WARNING Some processes must be followed to avoid damages to yourself or the public.	Flash	Press the	Press down the
		button	button

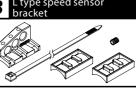




# **1-2** OPTION ACCESSORY

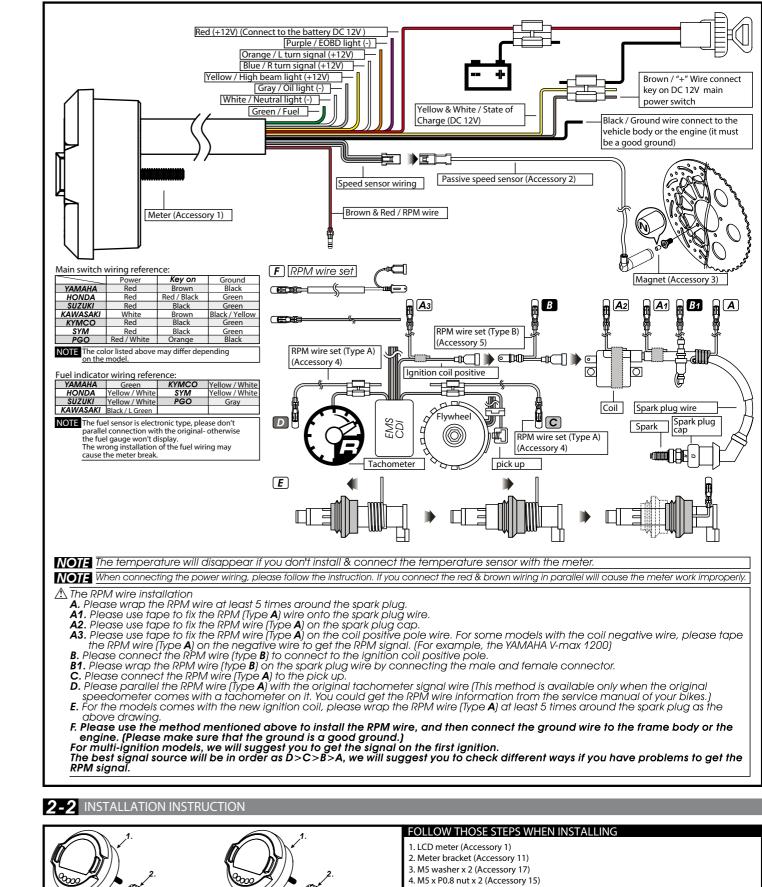


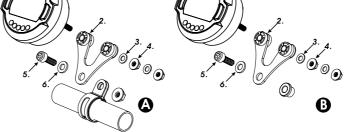




# NOTE The optional active speed sensor can read up to 20 pulsations and not require the installation of any magnets to pick up the speed. Note that the passive speed sensor supplied with this instrument can read up to 6 pulsations.

NOTE Some of the optional accessories listed might not be sold in your country. Contact your local distributor to get more details.



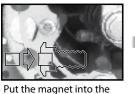


**2-1** WIRING INSTALLATION INSTRUCTIONS

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- 5. M6 x 18L screw (Accessory 14)
- 6. M6 washer (Accessory 18)
- A Use the meter bracket (Accessory 11), handle bar clamp (Accessory 12), rubber (Accessory 13) and M6 x P1.0 nut (Accessory 16) to install the speedometer on the handle bar. <sup>1</sup> Use the aluminum bushings (Accessory 11) to install the speedometer on the handle bar stem.

speedometer I KOSO GP style II



brake disc screw hole.

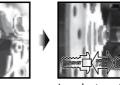




Install the s type sensor bracket.

Higher number of magnets installed on the disk brake will result in a faster speed display on the gauge.





Install the speed sensor on the bracket.

In order to get a good speed signal, the distance between the speed sensor

and magnet should be under 8mm.



3-1 OVERVIEW					
EX 4: If the disk brake has 6 screws, you can install 1,2,3 or 6 magnets.					
EX 3: If the disk brake has 5 screws, you can install 1 or 5 magnets.					
EX 2: If the disk brake has 4 screws, you can install 1,2 or 3 magnets.					
EX 1: If the disk brake has 3 screws, you can install 1 or 3 magnets.					

The letter "N" on the magnets must face the speed sensor in order to pick up correctly the speed.

Fuel Level Display range: 4levels The fuel level begins to flash when only 1 level left. If you don't install the fuel wiring, the fuel will not display.				Volt meter Display range: 4 levels. The voltage level begins to flash when only 1 level left.
Odometer Display range: 0~99999.9 km(mile), reset automatically after 99999.9 km(mile). Display unit: 0.1 km(mile). Trip meter A. B Display range: 0~999.9 km (mile), reset automatically after 999.9 km(mile). Display unit: 0.1 km(mile). Fuel / Remaining Distance Display range: 999.9~0 km	Indicators lights Turn signal light (Green) Neutral light (Green) High beam light (Blue) Engine oil pressure light (Red)	Speedometer	ge: DC 5~24 V.	Tachometer Display range: 15 levels. Each level represents 1000 RPM. RPM. RPM. RPM.
(mile). <b>3-2</b> FUNCTION, SETTING IN	EOBD light (Amber)	Display unit     Display unit	t: 1 km/h (MPH)	PC 5~24 V. Flashing Warning when

position to make sure

the sensor is facing the

magnet to prevent bad

speed signal.

Speedometer	Display range: 0~360 km/h (0~225 MPH) Display unit: 1 km/h (MPH)	<ul> <li>Digital Volt meter</li> </ul>	Display range: DC 5~24 V, Flashing Warning when Voltage lower than 8V or higher than 18V.
ODisplay interval	<0.5 second	Volt meter	Display range: 4 levels
Odometer	Display range: 0~99999.9 km (mile), reset automatically after 99999.9 km (mile) ; Display unit: 0.1 km (mile)		Dispaly unit: 1 level (Low) - DC 11.6~12.0 V 2 level - DC 12.1~12.5 V
⊖Trip meter A. B	Display range: 0~999.9 km (mile), reset automatically after 999.9 km (mile) ; Display unit: 0.1 km (mile)		3 level - DC 12.6~13.0 V 4 level (High) - DC 13.1 V~
OFuel / Remaining	Display range: 999.9~0 km (mile)	OInsufficient volt warning	Voltage level begins to flash when only 1 level left
Distance	Display unit: 0.1 km (mile)	Backlight brightness adjust	Setting range: 1-5(Darkest)~5-5(Brightest)
OTire circumference	Setting range: 300~2500 mm		Setting unit: adding 20 % each adjustment (5 segments
	Setting unit: 1 mm . Sensor point: 1~20	Effective voltage	DC 12 V
Tachometer	Display range: 15 levels (Each level represents 1000 RPM)	Effective temperature range	-10~+60°C
Fuel Level	Display range: 4 levels	Meter standard	JIS D 0203 S2
	The fuel symbol begins to flash if only 1 level is left.	Meter size	135.7 X 100.7 X 52 mm
OFuel resistance	Setting range: 100Ω 、250Ω 、510Ω 、1200Ω	Meter weight	Around 240g
Clock	24 H	Indicator light color	High beam-blue, Turn signal-green Oil-red, Neutral-green, FOBD light-Amber

### **NOTE** Design and specification are subject to change without notice!

### **3-3** BUTTON FUNCTION INSTRUCTION

Press the Select button

In main screen: Press the Select button to switch between clock, volt. In setting screen: Press the Select button to change the setting cursor. When the meter is off, press the Select button to wake up the clock.

Hold pressing the Select button for 3 seconds. In main screen: Hold pressing the Select button for 3 seconds to switch between

fuel, volt, RPM. In setting screen: Hold pressing the Select button for 3 seconds to return the main

screen

Press the Adjust button

In main screen: Press the Adjust button to switch between Odometer, Trip A, Trip B, Fuel / Remaining distance.

In setting screen: Press the Adjust button to change the setting value. When the meter is off, press the Adjust button to wake up the clock.

Hold pressing the Adjust button for 3 seconds In record screen such as Trip A, Trip B, hold pressing the Adjust button for 3 seconds to reset the record, and switching the unit for Mileage and Speed.

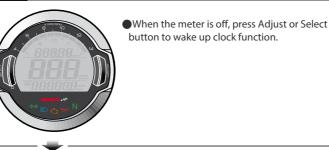
Hold pressing the Adjust button for 10 seconds In Fuel / Remaining distance screen: Reset the Remaining Mileage to 0 and restart the learning.

Hold pressing the Adjust button In setting screen: You could switch the setting value faster by holding pressing the Adjust button

Hold pressing the Adjust+Select for 3 seconds In main screen, Hold pressing the Adjust+Select for 3 seconds to enter the setting screen.

# t

# **3-4** STAND BY FUNCTION INSTRUCTION



17:00

The clock will display 30 seconds after wake up.

### In main screen (ODO). Press the Adjust button one time to enter the Trip A screen. Hold pressing the Adjust button for 3 seconds to switch between the digital П 11 speedometer and the digital Odometer. ~~OO668,0.... In Trip A screen. Press the Adjust button one time to enter the trip B screen. Hold pressing Adjust button for 3 seconds to reset Trip A record. -0088 ~~<u>8-0088</u>.... ~~8-0000.... In Trip B screen. Press the Adjust button one time to enter the Fuel / Remaining distance screen. NOTE If you don't install the fuel wiring, the fuel / remaining distance will not display, can change to the odo screen. — **Ш**. ~6- 1680... Hold pressing Adjust button for 3 seconds to reset Trip B record.to reset Trip B record. 780°6-888.0 In the fuel / remaining distance screen, press the Adjust button one time to go back to the main screen(ODO) Remaining Mileage Learning Procedure: Fill the tank to full and in the remaining mileage screen press Adjust button for 10 seconds. then the ODO symbol will flashing and remaining °F-8520. mileage will reset to 0 and restart the learning. F-0000... ‴F=8528.... / •When the fuel level of the bike reach to 0, please refill the tank to full. When this precess has been done, the ODO symbol will stop flashing which means the Remaining Mileage Learning has completed. F-0000\_ / ~F-0987... **WARNING!** Remaining Mileage might have difference between actual mileage and calculated mileage according to the road condition, vehicle condition, riding method and so on. Thus the Remaining Mileage is only a suggesting reference to the rider SETTING SCREEN INSTRUCTION 3-8



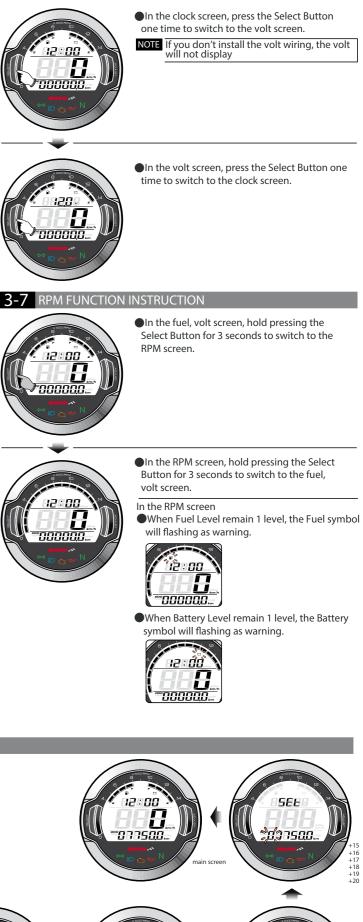
In setting screen, you could press the Select button to enter the setting The setting screen is in order as below:input pulse setting,the tire circumference setting, the fuel resistance setting, clock, backlight brightness, internal odometer display, external odometer setting.

A If you don't take any action in 30 seconds, the screen will return to the main screen automatically.





3-5 MAIN FUNCTION SWITCH INSTRUCTION(ADJUST BUTTON) 3-6 MAIN FUNCTION SWITCH INSTRUCTION(SELECT BUTTON)

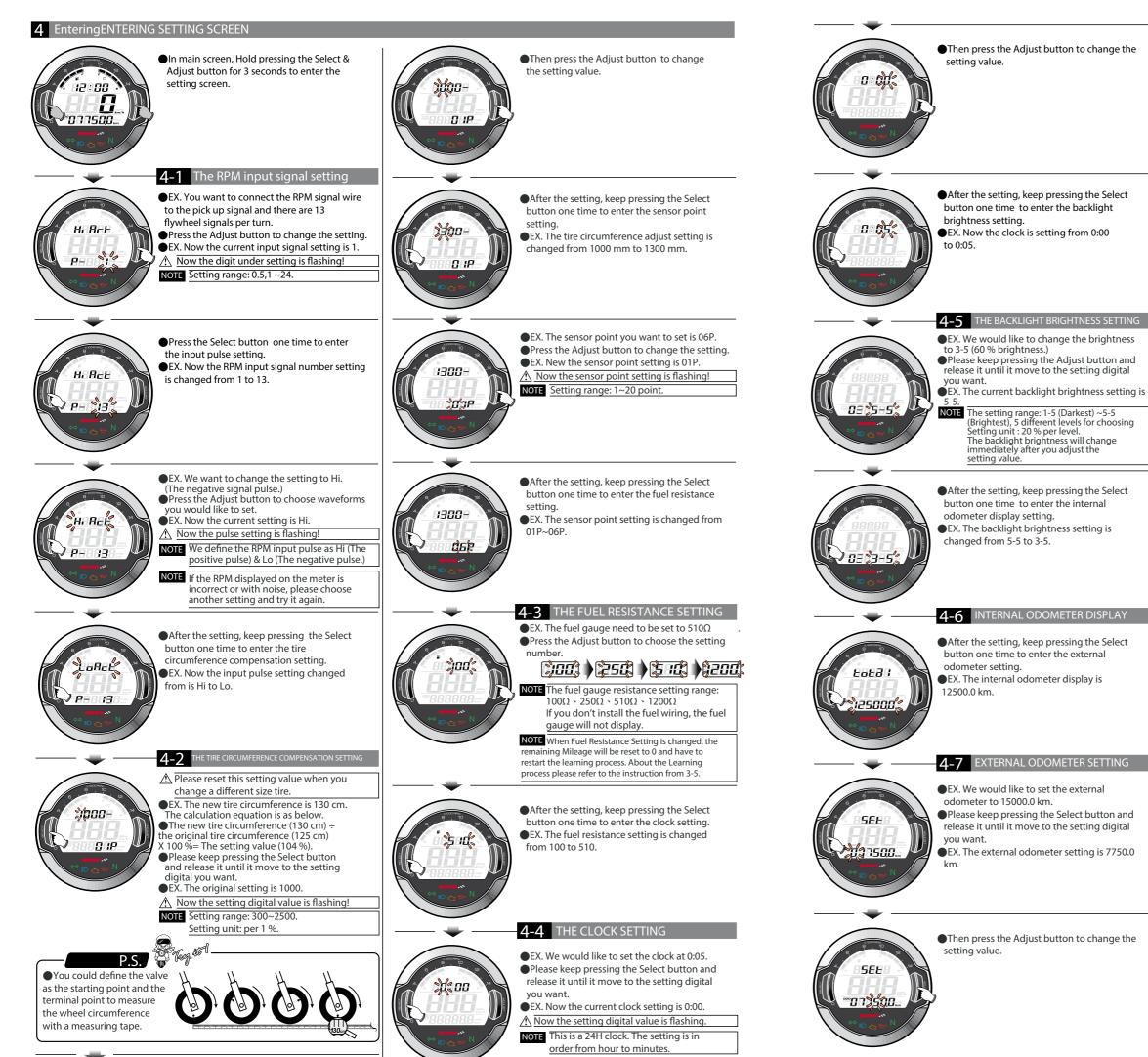


0= \$5-5

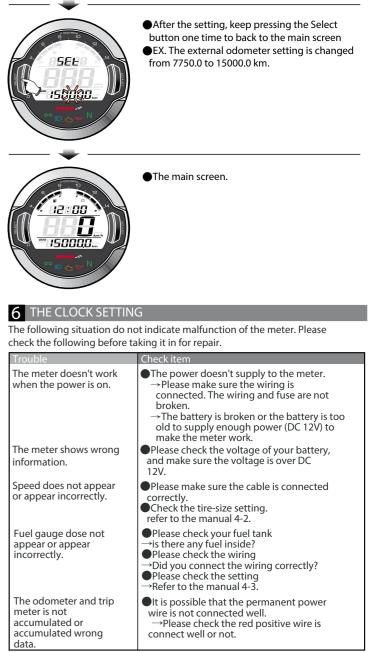
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If still can't solve the problems according to the steps above, please contact with distributors or us.