

▲ Notice

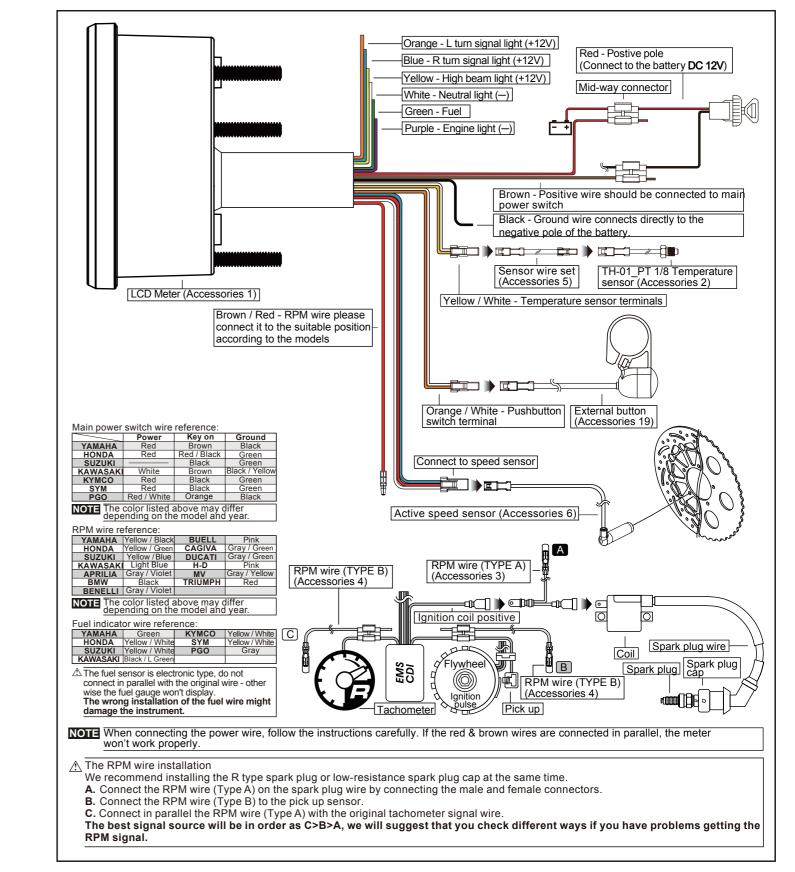
# INSTRUCTIONS

• Thank you for purchasing KOSO's TNT-04 meter. Please read the instructions carefully and retain them for future reference.

• To avoid a short circuit from occuring do not pull or modify the wires during installation.

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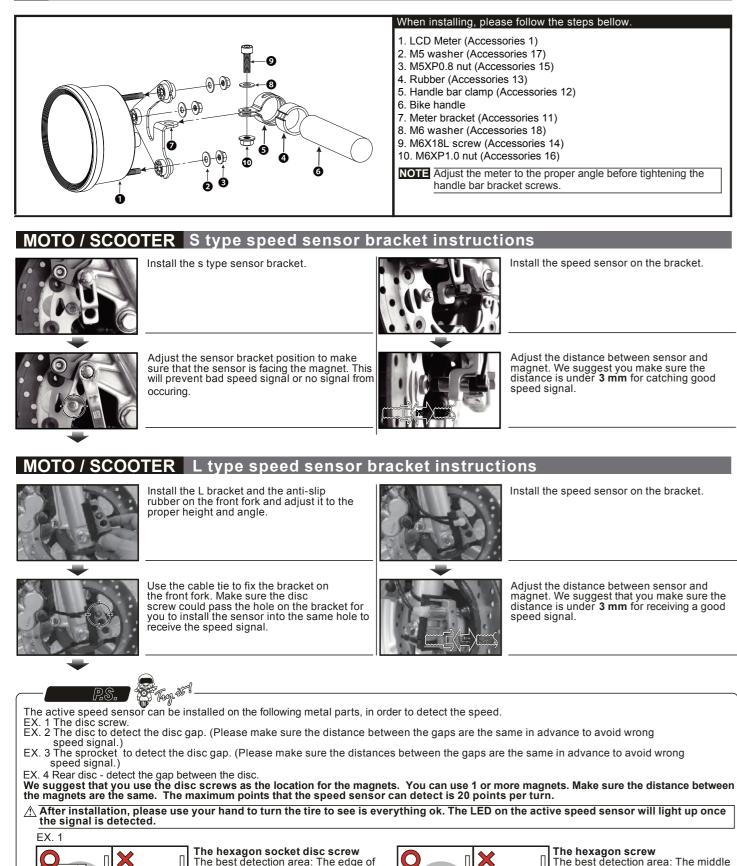
## 2-1 Wiring installation instructions



• Any damages caused by faulty installation shall be imputed to the users. • Opening and dissassembling this unit will void any warranty. 2115 2115 • Maintenance and repairs should be executed by our professionals only. 20 O Symbol description: FI ASH LIGHT ON NOTE  $\bigcirc$ Some procedures must be followed in order to avoid faulty installation  $\bigcirc$ HOLD THE BUTTON ONE TIME HOLD INE BUTTON 3 SECONDS Warning! Some procedures must be followed in order to avoid damages from occuring to yourself and others. Caution! Some procedures must be followed in order to avoid damages from occuring to the vehicle. 1-1 Accessories LCD Meter X1 RPM wire (TYPE A) X1 3 4 RPM wire (TYPE B) X1 Temperature sensor X1 M8 / S type speed sensor bracket X1 M10 / S type speed sensor bracket X1 5 Sensor wire set X1 6 Active speed sensor X1 8 Ľ 9 M5X5Lmm Hexagon screw X2 **10** 2.5 mm Allen key X1 1 Meter bracket X1 **12** Handle bar clamp X1 a a 15 M5XP0.8 nut X3 13 Rubber X1 **1** M6X18L screw X1 16 M6XP1.0 nut X1 (1) post 6 Ò 18 M6 washer X1 19 External button X1 7 M5 washer X3  $(\mathbb{O})$  $\bigcirc$ NOTE Contact your local distributor if the items received are not the same as the items listed above. **1-2** Optional accessories M12 X P1.5 X 15 M14 X P1.25 X 15 M14 X P1 5 X 15 M16 X P1.5 X 15 M18 X P1.5 X 15 M20 X P1.0 X 15 M20 X P1.5 X 1

NOTE Some of the optional accessories may not be available in your area. Contact your local distributor to obtain more information.

### **2-2** Installation instructions



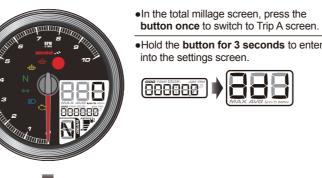
# 3-1 Basic function instructions

3-1 Basic function instructions				
Tachometer •Display Range : 0 ~ 10	0,000 RPM	AND S RM		
•Warning 1 🛛 📥 •	Trun signal ↔ High beam light Engine warning light			
Gear meter •Display range : off, hig gear, show all (N / 1 ~	hest gear, N and highest 6)			
Fuel meter •Display Range : 6 Lev	els	]		
Odometer •Display range : 0 ~ 99 return to zero upon ex •Display unit : 1 km (m	99,999 km (mile) kceed	Distance meter A,B •Display range : 0 ~ 9,999.9 returns to zero upon excee •Display unit : 1km (mile)		
3-2 Function	settings instruc	tions		
•Speedometer	Display range : 0 ~ 360 km Display unit : 1 km (mile)			
<ul> <li>Speedometer unit</li> <li>Over speed warning</li> </ul>	Display range : km \ mile Setting range : 30 ~ 360 km (19 ~ 225 mile), warning sign will be given once exceed(include) setting value. Setting unit : 1km(mile)			
<ul><li>○Display interval</li><li>○Tire circumference</li></ul>	<0.5 second Display range : 300 ~ 2,500 mm Setting unit : 1 mm			
○Sensitive point	Display range : 1 ~ 20 point Setting unit : 1 point			

<ul> <li>Speedometer</li> </ul>	Display range : 0 ~ 360 km (0 ~ 255 mile) switchable	RPM shift light      Warning 1      Warning 2		
<ul> <li>Speedometer unit</li> <li>Over speed warning</li> </ul>	Display unit : 1 km (mile) Display range : km \ mile Setting range : 30 ~ 360 km (19 ~ 225 mile),	oWarning cause	Overspeed, over rpm, overheat, under voltage, low fuel, reached motor oil maintenance millage maximum gear level	
\ \ \	warning sign will be given once exceed(include) setting value. Setting unit : 1km(mile)	<ul> <li>Warning method</li> </ul>	Lit.(L), Slow flash(S), Flash(F)	
		•Fuel meter	$100\Omega \times 250\Omega \times 270\Omega \times 510\Omega \times 1200\Omega \times$ fuel switch $\times$ USER	
<ul> <li>Display interval</li> </ul>	<0.5 second	Clock	Setting range : 12 / 24 hour format	
•Tire circumference	Display range : 300 ~ 2,500 mm Setting unit : 1 mm	•Voltmeter	Display range : 8 ~ 18 V	
<ul> <li>Sensitive point</li> </ul>	Display range : 1 ~ 20 point Setting unit : 1 point	Under voltage warning	Setting range : 8.0 ~ 18.0 V, warning sign will be given once below(include)setting value.	
<ul> <li>Internal and external odometer</li> </ul>	Display range : 0 ~ 999,999 km (mile) return to zero upon exceed Display unit : 1 km (mile)	Backlight brightness     Backlight color	Setting range : 1 / 5 (darkest) ~ 5 / 5 (brightest) Setting range : red, orange, yellow, green, blue, light blue, purple, white	
oTrip meter A,B	Display range : 0 ~ 9,999.9 km (mile) returns to zero upon exceed Display unit : 0.1 km (mile)	Maintenance millage	Setting range : OFF, 500 ~ 16,000 km (300 ~ 10,000 mile) Setting unit : 100 km (mile)	
•Gear meter	Display range : off, highest gear, N and highest gear, show all $(N / 1 \sim 6)$	<ul><li>Operating voltage</li><li>Temperature range</li></ul>	DC 8V to DC 16V -10 ~ +60°C	
<ul> <li>Tachometer</li> </ul>	Display range : 0 ~ 10,000 RPM	oSpecifications	JIS D 0203(S2)	
○RPM signal	Display range : P-0.5 · P-1 ~ P-24	Meter Size	D 94.7 X 55.8 mm	
The RPM input pulse	Display range : Hiact · Loact	<ul> <li>Meter Weight</li> </ul>	165 g	
oOver RPM warning	Setting range : 1,000 ~ 10,000 RPM, warning sign will be given once exceed(include) setting value. Setting unit : 100 RPM	<ul> <li>Indication light</li> </ul>	•RPM shift light ● •Trun signal ↔     •Warning 1 ↔     •High beam light □     •Warning 2 ↔	
<ul> <li>Thermometer</li> </ul>	Display range : 0 ~ 250 °C (32 ~ 482 °F)		•Neutral N	
<ul> <li>Thermometer unit</li> </ul>	Display unit : °C \ °F			
<ul> <li>Over temp warning</li> </ul>	Setting range : $60 \sim 250$ °C (140~ 482 °F), warning sign will be given once exceeding the setting value. Setting unit : $1$ °C (°F)			

#### NOTE Design and specification may change without further notice

### 3-3 Main menu functions



The disc The best detection area: the gaps of the disc.

A Don't catch the signal from the middle hole of the hexagon

the hexagon socket screw.

speed

speed

EX. 2、4

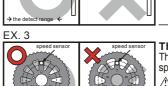
 $\cap$ 

sensor

A There are certain discs with gaps in different places, and this method will not work on those

The best detection area: The edge of

socket screw to avoid wrong signal.



speed

spee

senso

Some hexagon screws have a small hole in the center in this case, we will suggest you to catch the signal from the edge of the screw like the hexagon socket screw.

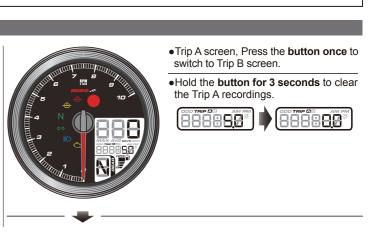
The best detection area: The middle

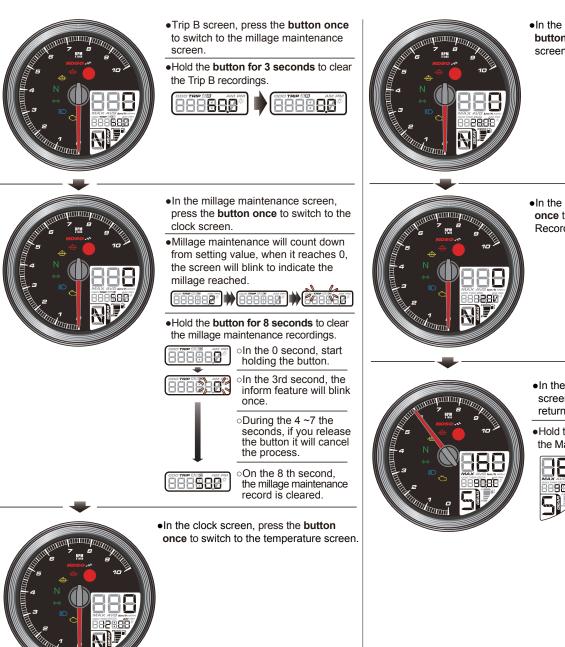
The sprocket The best detection area: the gaps of the

of the screws.

sprocket There are certain sprockets with gaps in different places, and this method will not work on those

	-Speedometer •Display range : 0 ~ 360 km (0 ~ 255 mile) •Display unit : 1 km (mile)
	Millage maintenance user settings (closable) • Display range : user adjustable (500 ~ 16,000km / 300 ~ 10,000 mile) ~ -999 mile, automatically decreases according to the increase of total millage. • Display unit : 1 km (mile)
	Time •Display range : 12 / 24 hour format
	Engine temperature •Setting range : -40 ~ 215°C (-40 ~ 419 °F)
	Voltmeter ●Display range : 8 ~ 18 V
9,999.9 km (mile) on exceed	





#### •In the temperature screen, press the button once to switch to the voltage screen.

• In the voltage screen, press the button once to switch to the Max. Speed Record display screen.

- In the Max. Speed record display screen, press the button once to return to the millage screen.
- •Hold the button for 3 seconds to clear the Max. Speed Record display.





4 Trouble shooting

The following situations do not indicate malfunction of the meter. 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> <li>The power doesn't supply to the meter.         <ul> <li>→Make sure the wiring is connected.</li> </ul>         The wiring and fuse are not broken.         <ul> <li>→The battery is broken or the battery is too old to supply enough power</li> <li>(DO a) () to make the patematical</li> </ul> </li> </ul>	The odometer and trip meter are not accumulating data or accumulated the wrong data. Fuel gauge does not appear or appears incorrectly.	<ul> <li>It is possible that the permanent power wire is not connected properly.         →Check if the red positive wire is properly or not.</li> <li>Check your fuel tank.</li> <li>Check the wiring harness.</li> </ul>
The meter shows the wrong information.	<ul> <li>(DC 8 V) to make the meter work.</li> <li>Check the voltage of your battery,and make sure the voltage is over DC 8 V.</li> </ul>		→Is the wire connected properly.
Speed does not appear or appears incorrectly.	<ul> <li>Make sure the speed sensor is connected properly.</li> <li>→Please check if speed sensor is connected and working properly. Also check whether the cable of speed sensor is broken or lose.</li> </ul>		

\* If the problem is not resolved after following the steps shown above, contact your loval distributor for assistance.