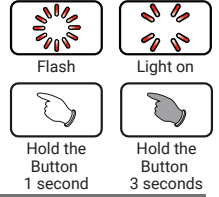Thank you for purchasing our product. Before installing/operating the product, read the instructions carefully and retain them for future reference.

⚠ Attention!

● For installation, follow the steps described. Any damage caused by wrong installation shall be imputed to the users.
● To avoid a short circuit from occurring do not pull or modify the wires during installation.
● Do not disassemble or change any parts. Opening and disassembling this unit will void any warranty.
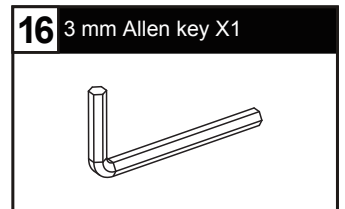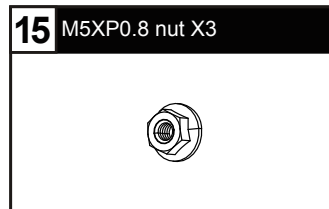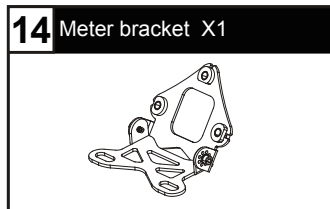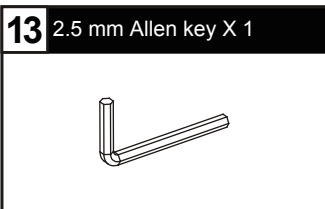● Maintenance and repairs should be executed by our professionals only.

Flash   Light on

Symbol description:

NOTE
⚠ Some procedures must be followed to avoid damages to the product.

⚠ WARNING! Certain procedure must be followed to avoid damages to yourself, to the vehicle or to others.

Hold the Button 1 second   Hold the Button 3 seconds

1-1 Accessories

1 LCD Meter X1	**2** Main wiring harness X 1
3 Active speed sensor X1	**4** RPM wire (Type A) X1
5 RPM wire set(TYPE B) X1	**6** Sensor wire set X1
7 Temperature sensor X1	**8** External switch (Dual button type) X1
9 Rubber strip X1	**10** M8 / S type speed sensor bracket X 1
11 M10 / S type speed sensor bracket X 1	**12** M5x5xP0.8 Hexagon screw X 2
13 2.5 mm Allen key X 1	**14** Meter bracket X1
15 M5XP0.8 nut X3	**16** 3 mm Allen key X1

1-2 Optional accessories

1 L type speed sensor bracket
BI003S01

2 Oil temp sensor adapter
M12 X P1.5 X 15L
M14 X P1.25 X 15L
M14 X P1.5 X 15L
M16 X P1.5 X 15L
M18 X P1.5 X 15L
M20 X P1.0 X 15L
M20 X P1.5 X 15L
BG******

3 Water temp sensor adapter
M14
M16. M18
M22. M26 mm
BG0*****

4 Signal extension wire
20-c94300a

5 Oxygen sensor
28-bk00210

6 Sensor bung
bf003r000e

7 Bung cap
ba550r020e

2-1 Wiring Installation Instructions

Midway connector

Orange- L turn signal light (+12V)
Green- Red - ABS light
Gray- Motor oil light (-)
White- Neutral light (-)

Blue- R turn signal light (+12V)
Yellow- High beam light (+12V)
Green- Fuel
Purple- Engine light (-)

Red / Postive pole (Connect to the battery DC 12V)

Brown - Positive wire should be connected to main power switch

Black / Ground wire connect to the negative pole of the battery.

Temperature sensor(Accessory 7) Install the temp sensor to the position.

Sensor wire set (Accessory 6)

Yellow-white/White-black-Temperature sensor terminals

Main wiring (Accessory 2)

Brown-red RPM wire connect it to the suitable position according to the models.

LCD Meter (Accessory 1)

Oxygen sensor (Option accessory 5)

Signal extension wire (Option accessory 4)

External switch (Accessory 8)

Brown-white/Red-white/White-red Push button switch terminal

Active speed sensor (Accessory 3)

Blue-red/Blue-white/White-black Connect to speed sensor

RPM wire (Type A) (Accessory 4)

A

RPM wire set(TYPE B) (Accessory 5)

Ignition coil positive

C

EMS CDI

Flywheel

Ignition pulse

Tachometer

Pick up

RPM wire set(TYPE B) (Accessory 5)

B

Coil

Spark plug wire

Spark plug cap

Spark

Main switch wiring reference:

	Power	Key on	Ground
YAMAHA	Red	Brown	Black
HONDA	Red	Red / Black	Green
SUZUKI	——	Black	Green
KAWASAKI	White	Brown	Black / Yellow
KYMCO	Red	Black	Green
SYM	Red	Black	Green
PGO	Red / White	Orange	Black

NOTE The color listed above may differ depending on the model.

RPM wiring reference:

YAMAHA	Yellow / Black	BUELL	Pink
HONDA	Yellow / Green	CAGIVA	Gray / Green
SUZUKI	Yellow / Blue	DUCATI	Gray / Green
KAWASAKI	Light Blue	H-D	Pink
APRILIA	Gray / Violet	MV	Gray / Yellow
BMW	Black	TRIUMPH	Red
BENNELL	Gray / Violet		

NOTE The color listed above may differ depending on the model.

Fuel indicator wiring reference:

YAMAHA	Green	KYMCO	Yellow / White
HONDA	Yellow / White	SYM	Yellow / White
SUZUKI	Yellow / White	PGO	Gray
KAWASAKI	Black / L Green		

⚠ The fuel sensor is electronic type, don't connect in parallel with the original- otherwise the fuel gauge won't display. Wrong installation of the fuel wiring may cause the meter to break.

NOTE When connecting the power wire, carefully follow the instructions. If the red & brown wires are connected in parallel, the meter won't work properly.

⚠ RPM wire installation
We recommend installing the R-type spark plug and low-resistance spark plug cap at the same time.
A. Connect the RPM wire (Type A) on the spark plug wire by connecting the male and female connectors.
B. Connect the RPM wire (Type B) to the pick-up sensor.
C. Connect in parallel the RPM wire (Type A) with the original tachometer signal wire.
The best signal source will be in order as C>B>A. We suggest checking different ways if you have problems getting the RPM signal.
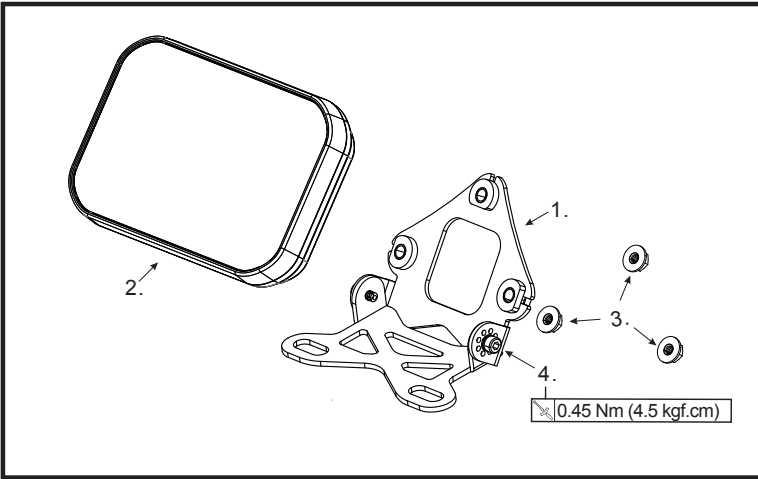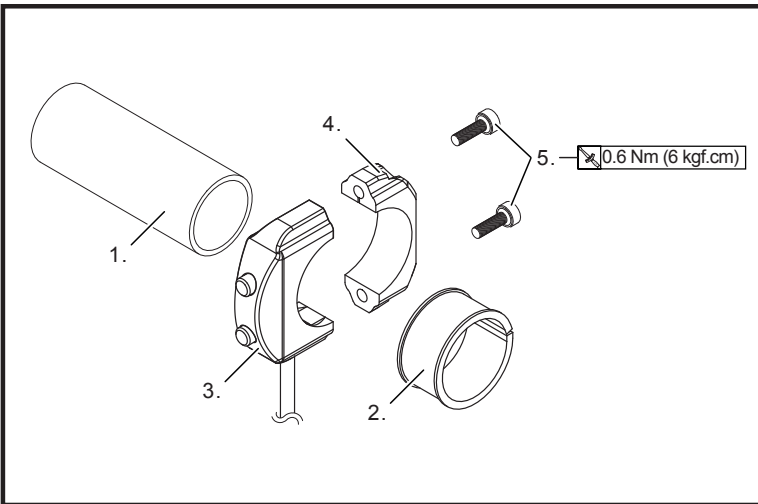
Follow the steps below during installation.

1. Meter bracket (Accessory 14)
2. LCD Meter (Accessory1)
3. M5XP0.8 nut X3 (Accessory 15)
4. Meter bracket micro-adjustment screw

NOTE You can choose the angle first and then use the screw to fix the angle.

1.
2.
3.
4.

0.45 Nm (4.5 kgf.cm)

Installation steps

1. Handle bar
2. Rubber strip (Accessory 9)

⚠ CAUTION! Refer to the list below and decide whether to use rubber strip according to the grip diameter.

Handle bar SIZE	Use Rubber strip
7/8"(22.2 mm)	NO
1"(25.4 mm)	YES

3. External switch (Dual button type) - Upper case (Accessory 8)
4. External switch (Dual button type) - Bottom case (Accessory 8)
5. M3x12xP0.5 mm screw (Accessory 8)

⚠ CAUTION! Total length of wiring is 600 mm. Pay attention to the distance between the wire exit hole and the end of handlebar to avoid insufficient wire length.

4.
5. 0.6 Nm (6 kgf.cm)
1.
3.
2.

20 cm

1. Drill a 22.5mm hole in the exhaust system at 200 mm away from the exhaust flange.

2. Weld the sensor bung (Optional accessory 6) to the muffler.

3. Install the oxygen sensor (Optional accessory 5) into the adapter.

After removing the oxygen sensor (Optional accessory 5), remember to put the bung cap (Optional accessory 7) back in place.

⚠ CAUTION! Make sure the sensor won't hit the body or engine when installing to avoid the accidents.

MOTO / SCOOTER S-type speed sensor bracket instruction

Install the s-type sensor bracket.

Install the speed sensor on the bracket.
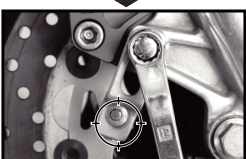
Adjust the sensor bracket position to make sure that the sensor faces the magnet to prevent bad speed signal or no signal.

Adjust the distance between sensor and magnet. We suggest you make sure the distance is under **1 mm** for an optimal speed signal.
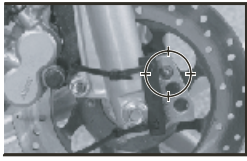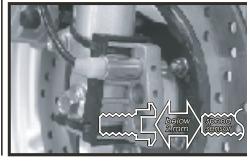
Install the L-bracket and the anti-slip rubber on the front fork and adjust it to the proper height and angle.

Install the speed sensor into the proper hole on the bracket.

Use the zip tie to fix the bracket on the front fork. Make sure the disc screw can pass the hole on the bracket for you to install the sensor into the same hole for catching the speed signal.

Adjust the distance between the sensor and screw to get the best speed signal. Make sure the distance is under 2mm to get the best signal.

P.S. Try it!

The active speed sensor could be facing the metal parts to detect the speed.
EX. 1 The disc screw.
EX. 2 The disc to detect the disc gap (make sure the distances between the gaps are the same in advance to avoid wrong speed signal.)
EX. 3 The sprocket to detect the disc gap (make sure the distances between the gaps are the same in advance to avoid wrong speed signal).
EX. 4 Rear disc - detect the gap between the disc.
We suggest you to catch the speed from the disc screws. The more the sensor points are, the better the speed accuracy is. The maximum sensor points the speed sensor could detect is 40 points per turn.

⚠ **After installation, use your hand to turn the tire to see if everything is ok. The LED on the active speed sensor will light up once the signal is detected.**

EX. 1
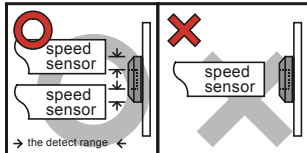
The hexagon socket disc screw
The best detect area: The edge of the hexagon socket screw.

⚠ Don't pick-up the signal from the middle hole of the hexagon socket screw to avoid wrong signal.
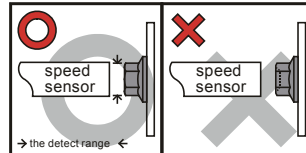
The hexagon screw
The best detect area: The middle of the screws.

⚠ Some hexagon screws have a small hole in the center. In this case, we suggest you catch the signal from the edge of the screw like the hexagon socket screw.
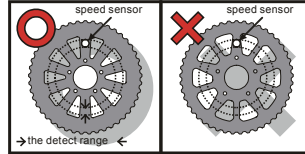
EX. 2,4
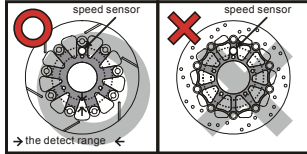
The disc
The best detection area: Detect the speed signal from the gaps of the disc.

⚠ Note that there are discs with the gaps in different difference, and this method will not work on it.
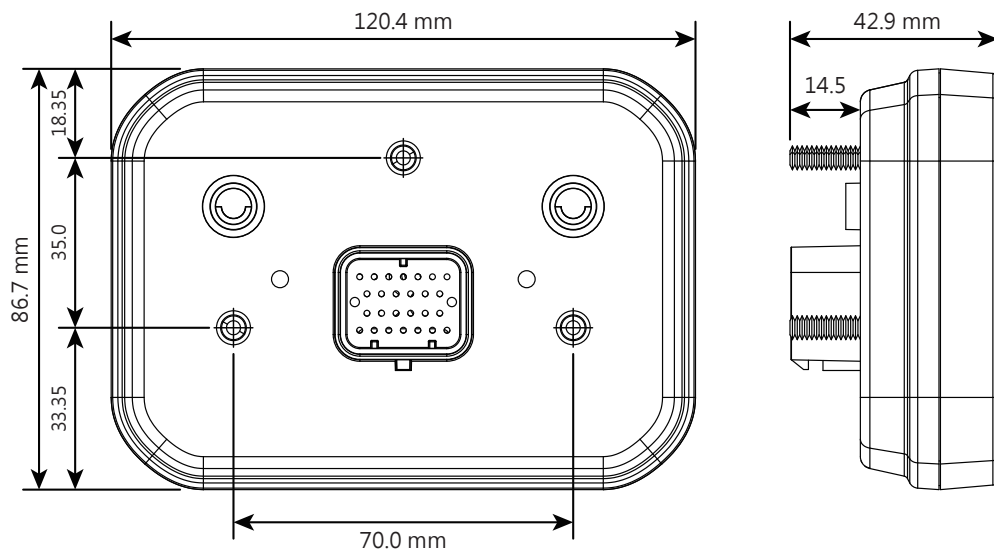
EX. 3

The sprocket
The best detect area: Detect the speed signal from the gaps of the sprocket.

⚠ Note that there are sprockets with the gaps in different places, and this method will not work on it.

3-1 Meter Size

120.4 mm
42.9 mm
14.5
18.35
35.0
86.7 mm
33.35
70.0 mm

Shift light warning
●Setting range :
1,000~10,000 RPM/ 1,000~12,000 RPM/
1,000~15,000 RPM/ 1,000~18,000 RPM/
1,000~20,000 RPM
●Setting unit : 100 RPM

Fuel warning
●Setting range : 0 ~ 3/6
●Setting unit : 1

Overheat warning
●Setting range : 60 ~ 250 °C (140 ~ 482 °F)
●Setting unit : 1 °C (°F)

Low voltage warning
●Setting range : DC 8.0~13.0 V
●Setting unit : DC 0.1 V

High voltage warning
●Setting range : DC 13.1~18.0 V
●Setting unit : DC 0.1 V

Speeding warning
●Setting range : 30~360 km/h (20~225 MPH)
●Setting unit : 1 km/h (MPH)

Motor oil maintenance
●Setting range : 500 ~ 16,000 km(300~10,000 mile),OFF
●Setting unit : 100 km(mile)

●Light sensing

Tachometer
Display range :
0~10,000 RPM/ 0~12,000 RPM/
0~15,000 RPM/ 0~18,000 RPM/
0~20,000 RPM

Gear Meter
●Display range : -, N, 1~the highest gear,
(the highest gear shall be based on the gear learning)

Speedometer
●Display range : 0 ~ 360 km/h (0 ~ 225 MPH)
●Display unit : 1 km/h (MPH) Switchable

Indicator
●Composite warning light (Red)
●Left indication light (Green)
●Motor oil light (Red)
●ABS light (Amber)
●Theft light (Red)
●Right indication light (Green)
●High beam light (Blue)
●Neutral light (Green)
●Engine light (Amber)

Clock
●Setting range : 00:00~23:59 (24H)
            01:00~12:59 (12H)
Thermometer
●Display range : 0 ~ 250.0 °C (32.0 ~ 482.0 °F)
●Display unit : 0.1 °C (°F)

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

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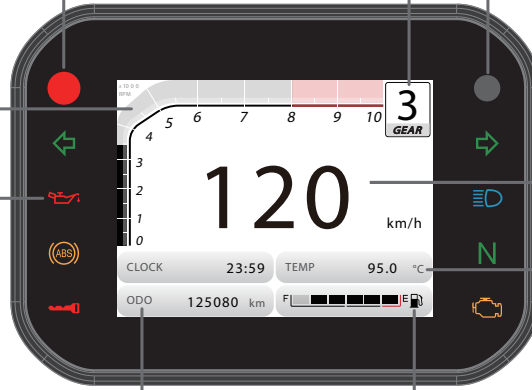●Display range : DC 8.0 ~ 18.0 V
●Display unit : DC 0.1 V

Odometer
●Display range : 0 ~ 999,999 km (mile) and then return to zero
●Display unit : 1 km (mile)

Trip meter A, B
●Display range : 0~9,999.9 km (mile), may return to zero manually
●Display unit : 0.1 km (mile)

Motor oil maintenance
●Display range : 500 ~ 16,000 km(300~10,000 mile),OFF
●Display unit : 1 km (mile)

Fuel meter
●Display range : 6 levels(0 ~ 100%)
●Display unit : 1 level(16.6 %)

wh079ba00a(P22-5)

3-2 Specifications(Meter)

●Speedometer	Display range : 0 ~ 360 km/h (0 ~ 225 MPH) Display unit : 1 km/h (MPH) Switchable	●Clock	Setting range : 00:00~23:59 (24H) 01:00~12:59 (12H)
○Odometer	Display range : 0 ~ 999,999 km (mile)and then return to zero Display unit : 1 km (mile)	●Voltmeter	Display range : DC 8.0 ~ 18.0 V Display unit : DC 0.1 V
○Trip meter A, B	Display range : 0~9,999.9 km (mile), may return to zero manually Display unit : 0.1 km (mile)	○Low voltage warning	Setting range : DC 8.0~13.0 V, when setting value is reached or below, warning light will light up. Setting unit : DC 0.1 V
○Motor oil maintenance	Setting range : 500 ~ 16,000 km(300~10,000 mile),OFF Setting unit : 100 km(mile)	○High voltage warning	Setting range : DC 13.1~18.0 V, when setting value is reached or above, warning light will light up. Setting unit : DC 0.1 V
○Speeding warning	Setting range : 30~360 km/h (20~225 MPH) Setting unit : 1 km/h (MPH)	●Target speed	Setting range : 30 ~ 360 km/h (20 ~ 225 MPH) Setting unit : 5 km/h (MPH)
○Max. speed record	Display range : 0 ~ 360 km/h (0 ~ 225 MPH) Display unit : 1 km/h (MPH)	●Target distance	Setting range : 50 ~ 1,500 m (1/32 ~ 30/32 mile) Setting unit : 50 m (1/32 mile)
○Circumference	Setting range : 300~2,500 mm Setting unit : 1 mm	●Top speed	Display range Speed : 0 ~ 360 km/h (0 ~ 225 MPH)
○Sensitive point	Setting range : 1~40 P Setting unit : 1 P		Distance : 0 ~ 999 m (0~3,280 feet) Rotating speed : 0~10,000 RPM/ 0~12,000 RPM/
●Gear Meter(Learning)	Display range : -, N, 1~the highest gear, (the highest gear shall be based on the gear learning)		0~15,000 RPM/ 0~18,000 RPM/ 0~20,000 RPM Time : 0 ~ 9 : 59"99
○Max. Gear record	Display range : -, N, 1~the highest gear (the highest gear shall be based on the gear learning)	●Sort by	Setting range : Sequence, Best
●Tachometer	Display range : 0~10,000 RPM/ 0~12,000 RPM/ 0~15,000 RPM/ 0~18,000 RPM/ 0~20,000 RPM	●Background display	Setting range : Auto(automatically switch according to the light : day mode display for the bright environment and Night mode display for the dark environment), Day mode, Night mode.
○Shift light warning	Setting range : 1,000~10,000 RPM/ 1,000~12,000 RPM/ 1,000~15,000 RPM/ 1,000~18,000 RPM/ 1,000~20,000 RPM Setting unit : 100 RPM	○Back light brightness (Day)	Setting range : 3/5~ 5/5(Brightest) Setting unit : 1/5
○Max. rotating speed	Display range : 0~10,000 RPM/ 0~12,000 RPM/ 0~15,000 RPM/ 0~18,000 RPM/ 0~20,000 RPM	○Back light brightness (Night)	Setting range : 1/5(Darkest) ~ 5/5(Brightest) Setting unit : 1/5
○The RPM input signal number setting	Setting range : 0.5,1.0~24.0	○Backlight color	Setting range : white, orange, yellow, green, blue, Loop switch
○The RPM input pulse	Setting range : Low-Act, High-Act	●Unit	Speed unit : km/h , MPH Temperature unit : ˚C (Celsius) and ˚F (Fahrenheit)
●Thermometer	Display range : 0 ~ 250.0 ˚C (32.0 ~ 482.0 ˚F) Display unit : 0.1 ˚C (˚F)	●Voltage	DC 12 V
○Overheat warning	Setting range : 60 ~ 250 ˚C (140 ~ 482 ˚F), when setting value is reach or above, warning light will lit. Setting unit : 1 ˚C (˚F)	●Operating temperature	-20~ 85 °C
		○Storage temperature	-30~ 90 °C
		●Specification	JIS D 0203 (S2)
○Max. temperature record	Display range : 0 ~ 250 ˚C (32.0 ~ 482 ˚F)	●Meter Size	120.4 x 86.7 x 45.3 mm
		●Meter Weight	± 206 g
●A/F ratio meter	Display range : 12.1~17.5 Display unit : 0.1 Setting range : ON, OFF	●Indicator	Composite warning light (Red) 🔴 Left indication light (Green) ⇦
●Fuel meter	Display range : 6 levels(0 ~ 100%) Display unit : 1 level(16.6 %) Setting range : 100 Ω, 250 Ω, 270 Ω,390 Ω, 510 Ω, 1200 Ω, Switch, Custom,OFF		Motor oil light (Red) ABS light (Amber) Theft light (Red) Right indication light (Green) ⇨ High beam light (Blue) Neutral light (Green) N Engine light (Amber)
○Fuel warning	Setting range : 0 ~ 3/6, when setting value is reach or below, warning light will lit. Setting unit : 1	○Light sensing	●

NOTE Design and specifications are subject to change without notice.

3-3 Size & Specifications (Meter External Switch)

14.7 mm   43.7 mm

Up button/Adjust

Down button/ Select

41.3 mm   Ø25.4 mm   32 mm
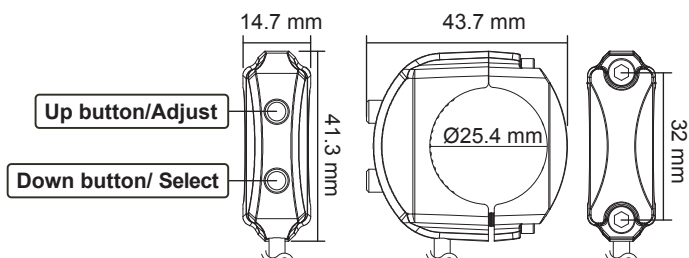
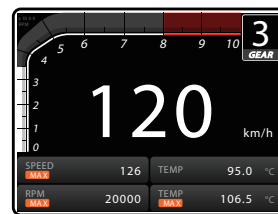|	
●Operating temperature	-20~ 85 °C
○Storage temperature	-30~ 90 °C
●Standard	JIS D 0203
●Effective voltage	DC 8 ~ 32V / Max. 50 mA / 1.6W
●Size	About 43.7 x 41.3 x 14.7 mm
●Weight	About 39 g

NOTE Meter external switch (Accessory 8) is suitable for 22.2 mm (7/8") &
25.4 mm (1") handlebar.

NOTE Design and specifications are subject to change without notice.
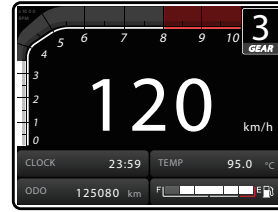
4 Startup Screen Switching Description
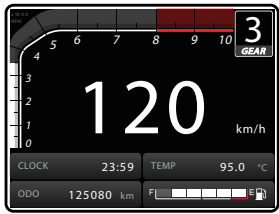
●In the main screen, press the **Up+Down buttons** to enter the record screen.

●In the checking screen, press the **Up+Down buttons** to go back to the main screen.

	Target Speed		(km/h, m)	
No	Time	Speed	RPM	DST
1	0:22.28	120	8600	224
2	0:29.05	120	9300	368
3	0:23.28	120	8900	324
4	0:26.09	120	9200	279
★	0:20.07	120	9000	282
6	0:26.22	120	8500	347
7	0:29.02	120	8700	350
8	0:25.03	120	7700	325

●In the record screen, press the **Up+Down buttons** to enter the checking screen.

●In the main screen.

4-1 Main Menu Switching Description
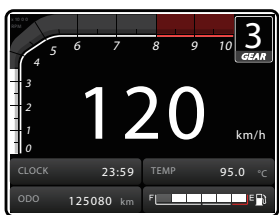
●In the ODO screen, press the **Down button** to enter the Trip A screen.
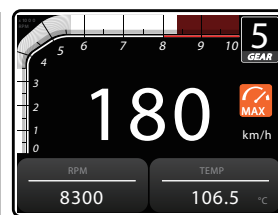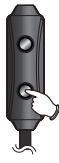
●In the Max. record screen, press the **Down button** to go back to the ODO screen.

●Press the **Down button for 3 seconds** to reset Max. records.
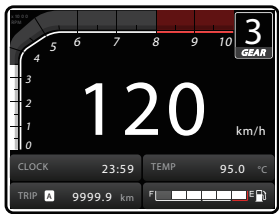
●In the Trip A screen, press the **Down button** to enter the Trip B screen.

●Press the **Down button for 3 seconds** to clear the Trip A recordings.
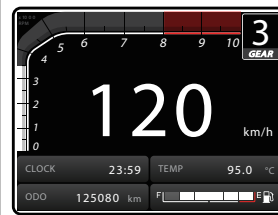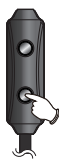
●In the ODO screen.
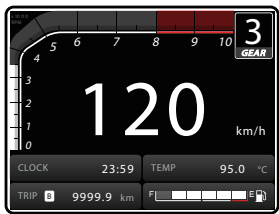
●In the Trip B screen, press the **Down button** to enter the motor oil maintenance screen.

●Press the **Down button for 3 seconds** to clear the Trip B recordings.

●Regardless of the main screen, press the **Up button for 3 seconds** to enter the fast setting for Clock and Backlight.
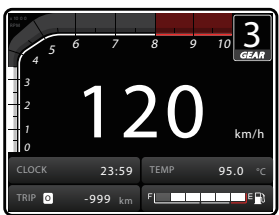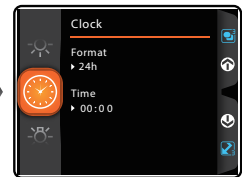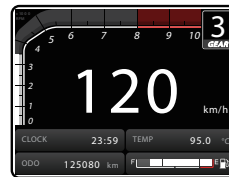
●In the motor oil maintenance screen, press the **Down button** to enter the Max. record screen.

●Press the **Down button for 8 seconds**, to reset motor oil maintenance screen.

No	Time	Speed	RPM	DST
		3 GEAR		

120 km/h

CLOCK 23:59　TEMP 95.0 ℃
ODO 125080 km
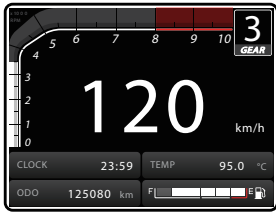
●In the main screen, press the **Up+Down buttons** to enter the target speed record screen.

Top Speed (km/h, m)

No	Time	Speed	RPM	DST
1	0:10.28	74	8610	53
★	0:10.05	86	9430	61
3	0:20.28	92	9280	103
4	0:25.09	102	9250	355
5	0:19.17	72	8060	299
6	0:26.22	103	9530	387
7	0:29.02	54	6320	204
8	0:25.03	88	9220	520
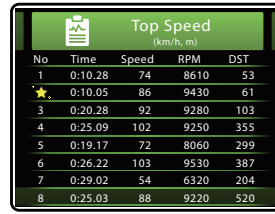
●In the top speed record screen, press the **Up+Down button** to enter the checking screen.

Target Speed (km/h, m)

No	Time	Speed	RPM	DST
1	0:21.28	100	8610	224
2	0:29.05	115	9430	368
3	0:23.28	120	9280	324
4	0:26.09	100	9250	279
★	0:20.07	120	9610	282
6	0:26.22	120	9530	347
7	0:29.02	120	9840	350
8	0:25.03	115	9120	325

●In the target speed record screen, press the **Up button** to enter the target distance record screen.

3 GEAR

120 km/h

SPEED MAX 126　TEMP 95.0 ℃
RPM MAX 20000　TEMP MAX 106.5 ℃

●In the checking screen.

Target Distance (km/h, m)

No	Time	Speed	RPM	DST
1	0:21.28	74	9610	300
2	0:29.05	86	9430	500
3	0:23.28	92	9280	500
4	0:26.09	72	9250	350
★	0:19.17	76	8060	300
6	0:26.22	103	9530	650
7	0:29.02	54	6320	350
8	0:25.03	88	5220	500
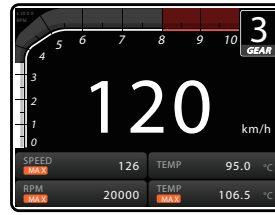
●In the target distance record screen, press the **Up button** to enter the top speed record screen.

●Regardless of the record screen, press the **Up button for 3 seconds** to enter the Power Test fast setting.

Top Speed (km/h, m)

No	Time	Speed	RPM	DST
1	0:10.28	74	8610	53
★	0:10.05	86	9430	61
3	0:20.28	92	9280	103
4	0:25.09	102	9250	355
5	0:19.17	72	8060	299
6	0:26.22	103	9530	387
7	0:29.02	54	6320	204
8	0:25.03	88	9220	520

Power Test

Target Speed
▶ 0～ 50 km/h

Target Distance
▶ 50 m

Sort by
▶ Sequence

Target Speed (km/h, m)

No	Time	Speed	RPM	DST
1	0:21.28	100	8610	224
2	0:29.05	115	9430	368
3	0:23.28	120	9280	324
4	0:26.09	100	9250	279
★	0:20.07	120	9610	282
6	0:26.22	120	9530	347
7	0:29.02	120	9840	350
8	0:25.03	115	9120	325

●In the target speed record screen, press the **Down button** to enter the testing screen.

NOTE Start the test when the bike is fully stopped.

N GEAR
Target Speed　0~120 km/h

0 km/h

⏱ 0:00:00　♀　0 m

●In the testing screen.

⚠ WARNING! Use this function on racetracks to avoid accidents.

1 GEAR
Target Speed　0~120 km/h

25 km/h

⏱ 0:02:50　♀　50 m

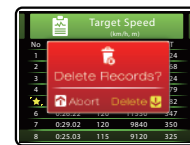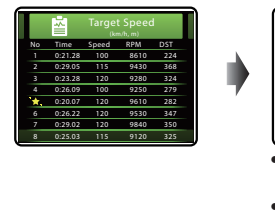●When the bike moves, the timer will start automatically.

NOTE The timer is automatic, so when your bike starts to move the timer will start to calculate the time and stop automatically when you stop the bike.

2 GEAR
Target Speed　0~120 km/h

35 km/h

⏱ 0:04:85　♀　63 m

●Speed up.

5 GEAR
Target Speed　0~120 km/h
🌡 106.5 ℃

120 km/h

MAX

⏱ 0:25:03　♀　325 m

●When you reach the target speed that you set (0~120 km/h), the timer will stop (25"03 second).
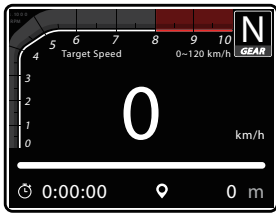
N GEAR
Target Speed　0~120 km/h
🌡 106.5 ℃

0 km/h

⏱ 0:25:03　♀　325 m
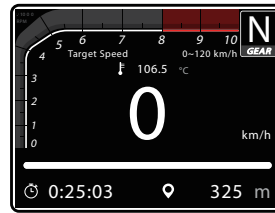
●When speed decreases to 0 km/h (MPH), the target speed record screen will appear.

Target Speed (km/h, m)

No	Time	Speed	RPM	DST
1	0:21.28	100	8610	224
2	0:29.05	115	9430	368
3	0:23.28	120	9280	324
4	0:26.09	100	9250	279
★	0:20.07	120	9610	282
6	0:26.22	120	9530	347
7	0:29.02	120	9840	350
8	0:25.03	115	9120	325

●In the target speed record screen.

●Press the **Down button for 3 seconds**, to reset the target speed record.

Target Speed (km/h, m) → Delete Records? Abort / Delete → Success!

●Press the **Up button** to cancel deletion.

●Press the **Down button** to confirm deletion.
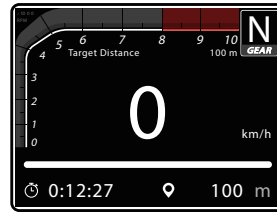
●Deletion succeeded.

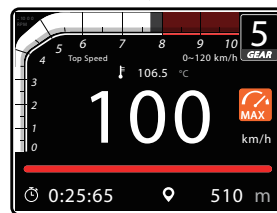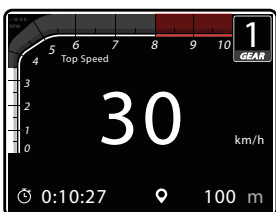| No	Time	Speed	RPM	DST
1	0:21.28	74	9610	300
2	0:29.05	86	9430	500
3	0:23.28	92	9280	500
4	0:26.09	72	9250	350
★5	0:19.17	76	8060	300
6	0:26.22	103	9530	650
7	0:29.02	54	6320	350
8	0:25.03	88	5220	500

- In the target distance record screen, press the **Down button** to enter the testing screen.

NOTE Start the test when the bike is fully stopped.

Target Distance · **N** GEAR · **0** km/h · 0:00:00 · 0 m

- In the testing screen.

⚠ WARNING! Use this function on racetracks to avoid accidents.

Target Distance · **1** GEAR · **25** km/h · 0:02:50 · 13 m

- When the bike moves, the timer will start automatically.

NOTE The product adopts digital sensing; when the vehicle starts, the timer will immediately start measuring. Upon achieving the target distance, the timer will immediately stop measuring.

Target Distance · **2** GEAR · **35** km/h · 0:04:85 · 50 m

- Speed up.

Target Distance · **3** GEAR · 106.5 °C · **72** km/h · MAX · 0:12:27 · 100 m

- When you reach the target distance that you set (100 M . 2/32 mile), the timer will stop (12"27 second).
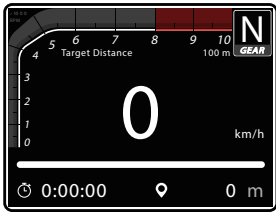
Target Distance · **N** GEAR · **0** km/h · 0:12:27 · 100 m

- When speed decreases to 0 km/h (MPH), the target distance record screen will appear.

No	Time	Speed	RPM	DST
1	0:21.28	74	9610	300
2	0:29.05	86	9430	500
3	0:23.28	92	9280	500
4	0:26.09	72	9250	350
★5	0:19.17	76	8060	300
6	0:26.22	103	9530	650
7	0:29.02	54	6320	350
8	0:25.03	88	5220	500

- In the target distance record screen.
- Press the **Down button for 3 seconds**, to reset the target distance record.

Target Distance → Delete Records? Abort / Delete → Success!

- Press the **Up button** to cancel deletion.
- Press the **Down button** to confirm deletion.
- Deletion succeeded.

Top Speed (km/h, m)

No	Time	Speed	RPM	DST
1	0:10.28	74	8610	53
★2	0:10.05	86	9430	61
3	0:20.28	92	10280	103
4	0:25.09	102	9250	355
5	0:19.17	72	8060	299
6	0:26.22	103	9530	387
7	0:29.02	54	6320	204
8	0:25.03	88	9220	520

- In the top speed record screen, press the **Down button** to enter the testing screen.

NOTE Start the test when the bike is fully stopped.

Top Speed · **N** GEAR · **0** km/h · 0:00:00 · 0 m

- In the testing screen.

⚠ WARNING! Use this function on racetracks to avoid accidents.

Top Speed · **1** GEAR · **30** km/h · 0:10:27 · 100 m

- When the bike moves, the timer will start automatically.

NOTE **Display range(Top speed)** :
Speed : 0 ~ 360 km/h (0 ~ 225 MPH)
Distance : 0 ~ 999 m (0~3,280 feet)
Rotating speed : 0~10,000 RPM/ 0~12,000 RPM/ 15,000 RPM/ 0~18,000 RPM/ 0~20,000 RPM
Time : 0 ~ 9'59"99

NOTE The product adopts digital sensing; when the vehicle starts, the odometer and the timer will immediately start measuring. Upon achieving the maximum speed, the odometer and the timer will immediately stop measuring.

⚠ The speed unit of the function will change according to 5-2 Change in Speed Unit.

Top Speed · **3** GEAR · **72** km/h · 0:18:10 · 210 m

- Speed up.

Top Speed · **5** GEAR · 0~120 km/h · 106.5 °C · **100** km/h · MAX · 0:25:65 · 510 m

- When you reach the top speed (100 km/h), the meter will stop counting the distance (510 m), and time (25"65 seconds).

Top Speed · **N** GEAR · **0** km/h · 0:25:65 · 510 m
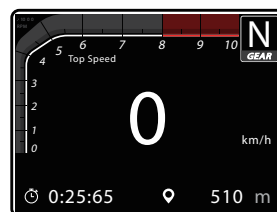
- When speed decreases to 0 km/h(MPH), the top speed record screen will appear.

	Top Speed (km/h, m)			
No	Time	Speed	RPM	DST
1	0:10.28	74	8610	53
★	0:10.05	86	9430	61
3	0:20.28	92	9280	103
4	0:25.09	102	9250	355
5	0:19.17	72	8060	299
6	0:26.22	103	9530	387
7	0:29.02	54	6320	204
8	0:25.03	88	9220	520

● In the top speed record screen.

● Press the **Down button for 3 seconds**, to reset the top speed record.

● Press the **Up button** to cancel deletion.

● Press the **Down button** to confirm deletion.

● Deletion succeeded.

4-3 Checking Screen Switching Description

● In the main screen, press the **Up+Down buttons buttons for 2 times** to enter the checking screen.

● In the main screen.

● In the checking screen, press the **Up+Down buttons** to go back to the main screen.

● Press the **Down button for 3 seconds** to clear all MAX. record.

5 Setting Screen Switching Description

● Press the **Up + Down buttons for 3 seconds** on the main screen, record screen, or checking screen to switch to the setting screen.
● Press the **Up button** or **Down button** to select
❶Clock ❷Unit(Speed & Temp.) ❸Backlight(Mode & Brightness & Color) ❹Overspeed Warning❺Shift Light Warning
❻Temp Warning ❼Volt Warning ❽Low Fuel Warning ❾Motor Oil Maintenance(Trip O) ❿ABS Warning ⓫Warning Light
⓬Tire Circumference & Sensing Point ⓭Gear ⓮RPM (Pulse & signal & Range) ⓯Fuel resistance
⓰A/F Ratio ⓱Power Test ⓲Internal and External ODO ⓳Meter information.
● Press the **Down button for 3 seconds** to enter the setting function screen.
● In the setting screen, press the **Up button for 3 seconds** to switch to the startup screen.

NOTE During setting, if button is not pressed in 3 minutes, it will automatically return to the startup screen.

● Main screen
● Enter the setting screen.

❶Clock

❷Unit

❻Temp Warning

❺Shift light warning

❹Overspeed Warning

❸Backlight

❼Voltage warning

❽Low Fuel Warning

❾Motor oil maintenance

❿ABS warning

⓮RPM

⓭Gear

⓬Tire Circumference & Sensing Point

⓫Warning light warning

⓯Fuel resistance

⓰A/F Ratio

⓱POWER TEST

⓲Internal and External ODO

⓳Meter information

5-1 Clock Settings

●In the Clock screen, press the **Down button for 3 seconds** to enter the clock setting.

●**Example : Changing the 12H.**
●Press the **Up button** to choose the setting number.

⚠ Now the setting value is flashing.

NOTE Setting range : 12 H, 24 H.
Default value : 24 H.
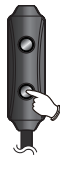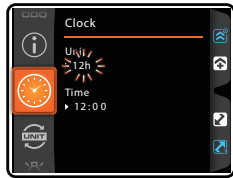
●EX : Set time format from 24 H to 12 H.
●Press the **Down button** to enter time adjustment hour setting.

●**Example : To set clock(hour) as 10 hours.**
●Press the **Up 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)
Default value : 12(12H)/0(24H)
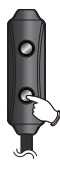
●EX **:** Set hour from 12:00 AM to 10:00 PM.
●Press the **Down button** to enter clock adjustment minute setting.
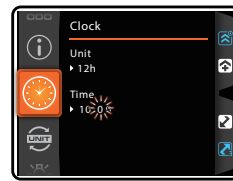
●**Example : To set clock(minute) as 10 minutes.**
●Press the **Down button** to move to the digit you want to set.

⚠ Now the setting value is flashing.

NOTE Setting range : 00~59 minutes.
Default value : 0.
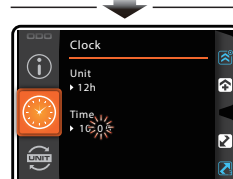
●Press the **Up button** to choose the setting number.
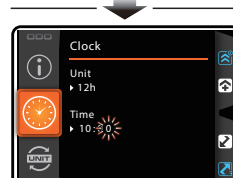
●EX : Set minute from 0 minute to 10 minutes.
●Press the **Down button** to go back to the clock screen.

●The Clock screen.

5-2 Unit (Speed & Temp.) Settings
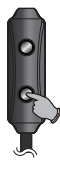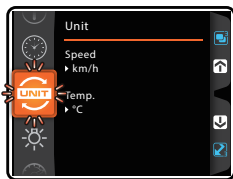
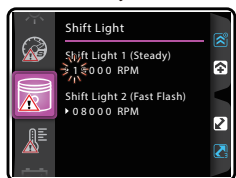●In the unit screen, press the **Down button for 3 seconds** to enter the speed unit setting.
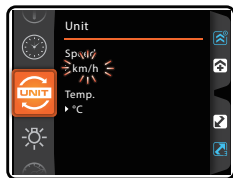
●**Example : To set speed unit as MPH.**
●Press the **Up button** to choose the setting options.

⚠ Now the setting value is flashing.

NOTE Setting range : km/h, MPH.
Default value : km/h.
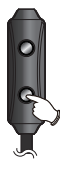
●EX : Set speed unit from km/h to MPH.
●Press the **Down button** to enter the temp. unit setting screen.
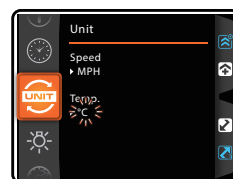
●**Example : To set temp. unit to ˚F.**
●Press the **Up button** to choose the setting options.

⚠ Now the setting value is flashing.

NOTE Setting range : C (Celsius) and ˚F (Fahrenheit).
Default value : ˚C (Celsius).
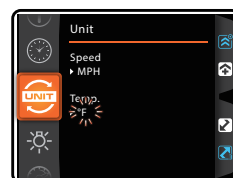
●EX : Set temp. unit from ˚C (Celsius) to ˚F (Fahrenheit).
●Press the **Down button** to go back to the unit screen.
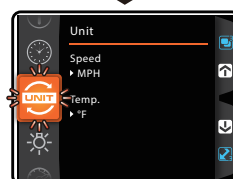
●The unit screen.

5-3 Backlight (Mode & Brightness & Color) Settings
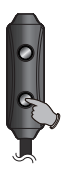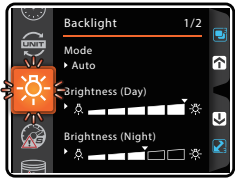
- In the backlight screen, press the **Down button for 3 seconds** to enter the background mode setting.
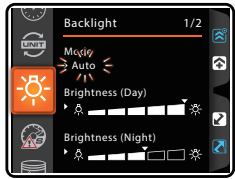
- **Example : To set the mode to Night mode.**
- Press the **Up button** to choose the setting options.
- ⚠ Now the setting value is flashing.

NOTE Auto setting(automatically switch according to the light : day mode display for the bright environment and Night mode display for the dark environment), Day mode, Night mode.
Default value : Auto.

- EX : Set background from Auto mode to Night mode.
- Press the **Down button** to enter the backlight brightness (day) setting.

- **Example : To set the backlight brightness (day) at 4(80%).**
- Press the **Up button** to choose the setting number.
- ⚠ Now the setting value is flashing.

NOTE Setting range : 3/5~ 5/5 (Brightest). Setting unit : 20% per level. Default value : 5/5(100%).

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

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

- **Example : To set the backlight brightness (night) at 2/5(40%).**
- Press the **Up button** to choose the setting number.
- ⚠ Now the setting value is flashing.

NOTE Setting range : 1/5 (Darkest) ~ 5/5 (Brightest), need ≦ the setting value of backlight brightness (day). Setting unit : 20% per level. Default value : 3/5(60%).

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

- EX : The backlight brightness (night) setting is changed from 3/5 (60%) to 2/5 (40%).
- Press the **Down button** to enter the backlight color setting.
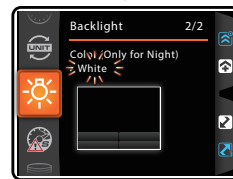
- **Example : To set backlight color to blue.**
- Press the **Up button** to choose the color .
- Now the setting value is flashing.

NOTE Switch color according to the following order, white, orange, yellow, green, blue.

NOTE Default value : White.

NOTE The backlight color will change immediately after you set the value.
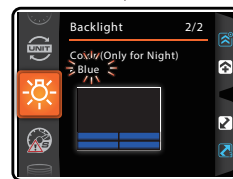
- EX : Set backlight color from white to blue.
- Press the **Down button** to go back to the backlight screen.
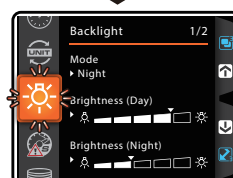
- The backlight screen.

5-4 Overspeed Warning Settings
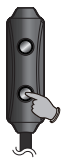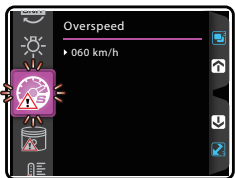
- In the overspeed warning screen, press the **Down button for 3 seconds** to enter the overspeed warning setting.
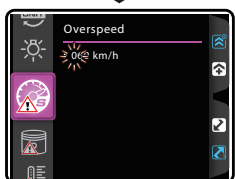
- **Example : To set overspeed warning value to 80 KPH.**
- Press the **Down button** to move to the digit you want to set.
- ⚠ Now the setting value is flashing.

NOTE Setting range : 30~360 km/h (20~225 MPH). Default value : 60 km/h (38 MPH).
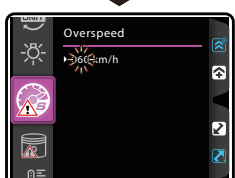
- Press the **Up button** to choose the setting number.

- EX : Set overspeed warning value from 60 KPH to 80 KPH.
- Press the **Down button** to go back to the speed warning screen.
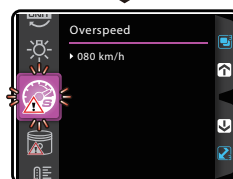
- The overspeed warning screen.

5-5 Shift Light Warning Settings
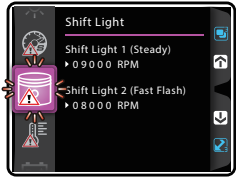
- In the shift light warning screen, press the **Down button for 3 seconds** to enter the shift light warning1(Steady) setting.

- **Example : To set shift light warning1 (Steady) value to 10,000 RPM.**
- Press the **Down button** to move to the digit you want to set.
- ⚠ Now the setting value is flashing.
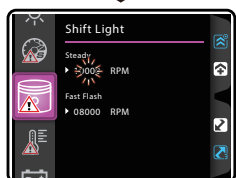- **NOTE** Setting range : 1,000~20,000 RPM.
  Default value : 9,000 RPM.
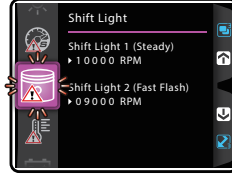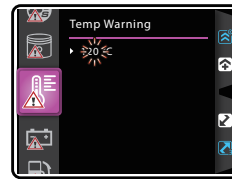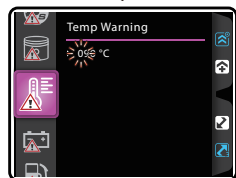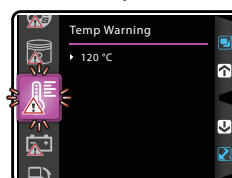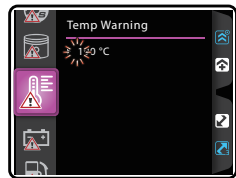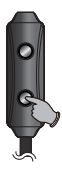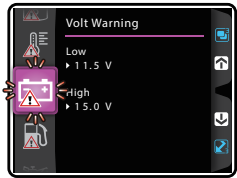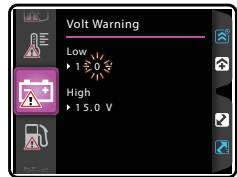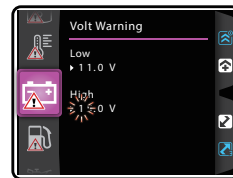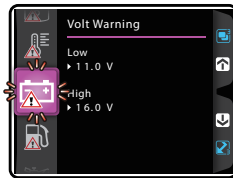

- Press the **Up button** to choose the setting number.

- EX **:** Set shift light warning1(Steady) value from 9,000 RPM to 10,000 RPM.
- Press the **Down button** to enter the shift light warning2(Fast Flash) setting.

- **Example : To set shift light warning2 (Fast Flash) value to 9,000 RPM.**
- Press the **Down button** to move to the digit you want to set.
- ⚠ Now the setting value is flashing.
- **NOTE** Setting range : 1,000~20,000 RPM.
  Default value : 8,000 RPM.

- Press the **Up button** to choose the setting number.
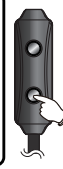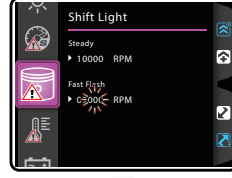
- EX **:** Set shift light warning2(Fast Flash) value from 8,000 RPM to 9,000 RPM.
- Press the **Down button** to go back to the shift light warning screen.

- The shift light warning screen.

5-6 Temp Warning Settings
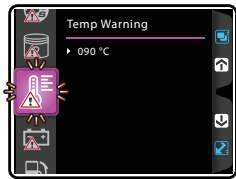
- In the temp warning screen, press the **Down button for 3 seconds** to enter the overheat warning setting.

- **Example : To set temp warning value to 120 ˚C.**
- Press the **Down 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).
  Default value : 90 ˚C(194 ˚F).

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

- EX : Set temp warning value from 90 ˚C to 120 ˚C.
- Press the **Down button** to go back to the overheat warning setting.

- The temp warning screen.

5-7 Voltage Warning Settings

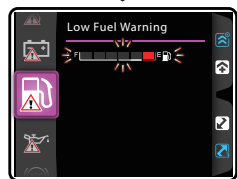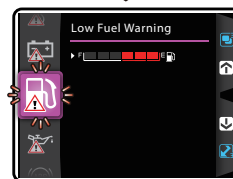|	
Volt Warning — Low ▶ 11.5 V — High ▶ 15.0 V	●In the voltage warning screen, press the **Down button for 3 seconds** to enter the low voltage warning setting.
Volt Warning — Low ▶ 11.5 V — High ▶ 15.0 V	●**Example : To set low voltage warning value to DC 11.0 V.** ●Press the **Up button** to choose the setting number. ⚠ Now the setting value is flashing. **NOTE** Setting range : DC 8.0~13.0 V. Default value : DC 11.5 V.
Volt Warning — Low ▶ 11.0 V — High ▶ 15.0 V	●EX : Set low voltage warning value from DC 11.5 V to DC 11.0 V. ●Press the **Down button** to enter the high voltage warning setting.
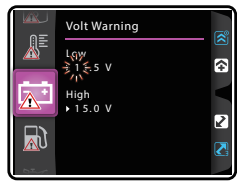
Volt Warning — Low ▶ 11.0 V — High ▶ 15.0 V	●**Example : To set high voltage warning value to DC 16.0 V.** ●Press the **Up button** to choose the setting number. ⚠ Now the setting value is flashing. **NOTE** Setting range : DC 13.1~18.0 V. Default value : DC 15.0 V.
Volt Warning — Low ▶ 11.0 V — High ▶ 16.0 V	●EX : Set high voltage warning value from DC 15.0 V to DC 16.0 V. ●Press the **Down button** to go back to the voltage warning screen.
Volt Warning — Low ▶ 11.0 V — High ▶ 16.0 V	●The voltage warning screen.
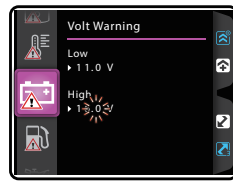
5-8 Low Fuel Warning Setting
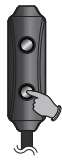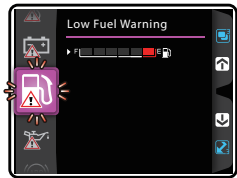
Low Fuel Warning ▶ F▯▯▯▯▮▯E	●In the low fuel warning screen, press the **Down button for 3 seconds** to enter the low fuel warning setting.
Low Fuel Warning ▶ F▯▯▯▮▯E	●**Example : To set low fuel warning value to 3/6 .** ●Press the **Up button** to choose the setting number. ⚠ Now the setting value is flashing. **NOTE** Setting range : 0/6 ~ 3/6. Default value : 1/6.
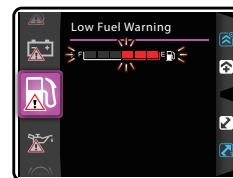
Low Fuel Warning ▶ F▮▮▮▮▯E	●EX : Set low fuel warning value from 1/6 to 3/6. ●Press the **Down button** to go back to the low fuel warning screen.
Low Fuel Warning ▶ F▮▮▮▮▯E	●The low fuel warning screen.

5-9 Motor Oil Maintenance Setting
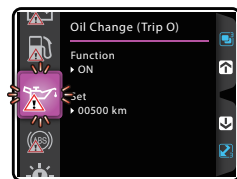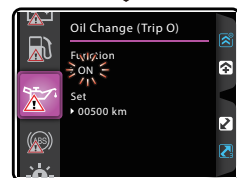
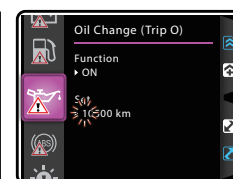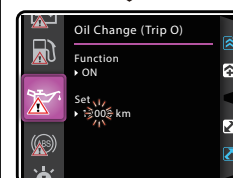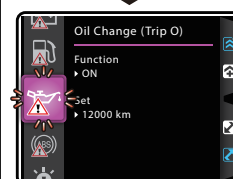|	
Oil Change (Trip O) — Function ▶ ON — Set ▶ 00500 km	●In the motor oil maintenance screen, press the **Down button for 3 seconds** to enter the motor oil maintenance setting.
Oil Change (Trip O) — Function ▶ ON — Set ▶ 00500 km	●Press the **Up button**, and select whether to turn on the motor oil maintenance function. ●Select ON to enter the motor oil maintenance setting. ⚠ Now the setting value is flashing. **NOTE** Setting range : ON, OFF. Default value : ON.
Oil Change (Trip O) — Function ▶ ON — Set ▶ 00500 km	●**Example : To set motor oil maintenance as 12,000 km.** ●Press the **Down button** to move to the digit you want to set. ⚠ Now the setting value is flashing. **NOTE** Setting range : 500 ~ 16,000 km (300~10,000 mile). Default value : 500 km(300 mile).
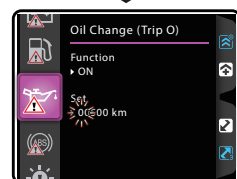
|	
Oil Change (Trip O) — Function ▶ ON — Set ▶ 1500 km	●Press the **Up button** to choose the setting number.
Oil Change (Trip O) — Function ▶ ON — Set ▶ 00 km	●EX : The motor oil maintenance setting is changed from 500 km to 12,000 km. ●Press the **Down button** to go back to the motor oil maintenance screen.
Oil Change (Trip O) — Function ▶ ON — Set ▶ 12000 km	●The motor oil maintenance screen.

5-10 ABS Warning Settings
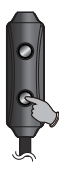
●The ABS warning screen, press the **Down button for 3 seconds** to enter the ABS warning setting.

●Press the **Up button**, and select whether to turn on the ABS warning function.
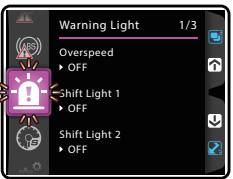
⚠ Now the setting value is flashing.

NOTE Setting range : ON, OFF.
Default value : ON.

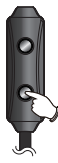⚠ When choosing ON, the ABS signal light (ABS) will light up.

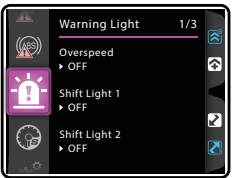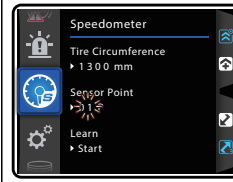●Press the **Down button** to go back to the ABS warning screen.

●The ABS warning screen.

5-11 Warning Light Warning Settings

●In the warning light warning screen, press the **Down button for 3 seconds** to enter the warning light warning setting.

●Press the **Up button** to choose the setting number.
●Press the **Down button** to confirm selection.

⚠ Now the setting value is flashing.

NOTE Setting range : OFF, Slow Flash, Steady, Fast Flash.
Default value :
1. Overspeed ：OFF
2.Shift Light 1 ： OFF
NOTE 3.Shift Light 2 ： OFF
4. Temp Warning ：OFF
5. Volt Warning ： OFF
6. Low Fuel Warning ：OFF
7. Trip oil ：OFF

NOTE Priority setting range :
1. FF > S > SF / 2. FF > SF > S /
3. S> FF > SF / 4. S> SF > FF /
5. SF > FF > S / 6. SF > S > FF
Default value : FF>S>SF
※FF=Fast Flash / S=Steady /
  SF=Slow Flash /

●Press the **Down button** to go back to the warning light warning screen.
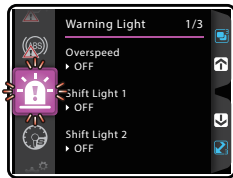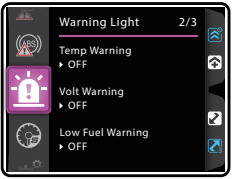
●The warning light warning screen.

5-12 Tire Circumference And Sensing Point Settings

Speedometer
Tire Circumference
▸1000 mm
Sensor Point
▸01 P
Learn
▸Start
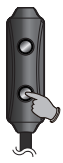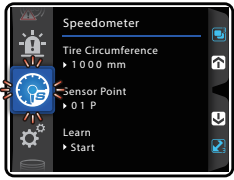
- In the tire circumference and sensing point screen, press the **Down button for 3 seconds** to enter the tire circumference and sensing point setting.

⚠ **CAUTION!**
- Measure the tire circumference (The tire you will install the sensor on) and confirm the number of sensor points.
- The speed displayed on the meter will be affected by the setting, make sure the setting number is correct before you enter the setting.

⚠ Reset this setting value if you change to a different tire size.

Speedometer
Tire Circumference
▸1300 mm
Sensor Point
▸01 P
Learn
▸Start

- **Example : If the tire circumference is 1,300 mm.**
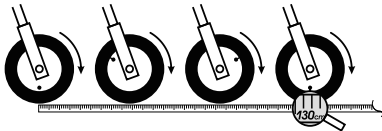- Press the **Down button** to choose the setting number.

⚠ Now the setting value is flashing.

NOTE Setting range : 300~2,500 mm. Default value : 1,000 mm.
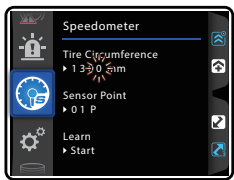

P.S. Try it!

- You can use the tire valve as the starting point and the terminal point to measure the wheel circumference with a measuring tape.

130cm

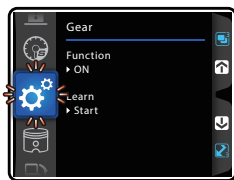**Speedometer**
Tire Circumference
▸1300 mm
Sensor Point
▸01 P
Learn
▸Start

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

Speedometer
Tire Circumference
▸1300 mm
Sensor Point
▸01 P
Learn
▸Start
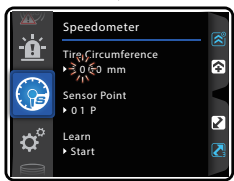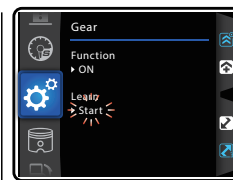
- EX : Set the tire circumference value from 1,000 mm to 1,300 mm .
- Press the **Down button** to enter the sensor point setting.

Speedometer
Tire Circumference
▸1300 mm
Sensor Point
▸01 P
Learn
▸Start

- **Example : To set the sensor point value to 06 P .**
- Press the **Down** button to choose the setting number.

⚠ Now the setting value is flashing.

NOTE Setting range : 01 P~40 P. Default value : 01 P.

Speedometer
Tire Circumference
▸1300 mm
Sensor Point
▸1 P
Learn
▸Start

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

Speedometer
Tire Circumference
▸1300 mm
Sensor Point
▸06 P
Learn
▸Start

- EX : Set the sensor point value from 01 P to 06 P.
- Press the **Down button** to enter the learning mode setting.

Speedometer
Tire Circumference
▸1300 mm
Sensor Point
▸06 P
Learn
▸Start

- Press the **Up button** to start the learning mode.

Tire - Learn
GO
Ready
ℹ Please ride for 1 km. After arrival,press the button to confirm.

- Ride for 1 km(1 mile); after the arrival, press the **Down button for 3 seconds**. Complete learning by returning to the tire circumference and sensing point screen.
- Press the **Up button for 3 seconds** to cancel learning.

NOTE When mile is set for the unit, ride for 1 mile.

Speedometer
Tire Circumference
▸1300 mm
Sensor Point
▸06 P
Learn
▸Start

- The tire circumference and sensing point screen.

5-13 Gear Settings

Gear
Function
▸ON
Learn
▸Start

- In the gear screen, press the **Down button for 3 seconds** to enter the gear setting.

OFF

Gear
Function
▸ON
Learn
▸Start

- **Example : You want to set the gear setting to ON.**
- Press the **Up button** to choose the setting options.

⚠ Now the setting value is flashing.

NOTE Setting range : ON, OFF. Default value : ON.

NOTE Select OFF to return to the gear screen.

Gear
Function
▸ON
Learn
▸Start

- EX : Set the gear setting to ON.
- Press the **Down button** to enter the gear-learning setting screen.

Gear
Function
▸ON
Learn
▸Start

- Press the **Up button** to start the gear-learning setting.

NOTE Enter the Learning Mode, and learn the Gear position according to the speed and RPM.
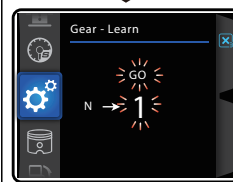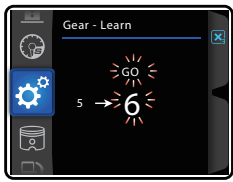

Gear - Learn
GO
N → 1

- In the gear-learning setting.

⚠ **CAUTION!**
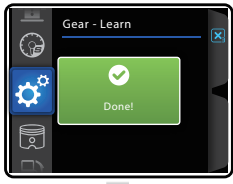Before setting, be sure to put your motor in Neutral to avoid error detection.

⚠ **CAUTION!**
"Fail"on the screen means error detection, re-set Gear-Learn.

⚠ **CAUTION!**
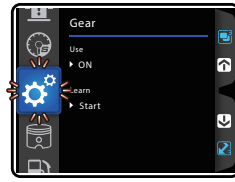If gear learning is not required, press **Up and hold for 3 seconds** to cancel the gear learning.

- When N→1 appears, change to Gear 1 to ride.When Gear 1 is detected, 1→2 appears and then change to Gear 2.

1 → 2	○Change to Gear 2.
2 → 3	○Change to Gear 3.
3 → 4	○Change to Gear 4.
4 → 5	○Change to Gear 5.
5 → 6	○Change to Gear 6.

●The gear screen.

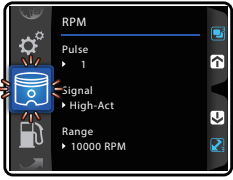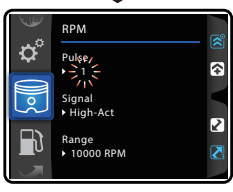●After reaching and finishing Gear 6, wait for a few seconds to end gear-learning and return to the gear screen.

5-14 RPM (Pulse & signal & Range) settings

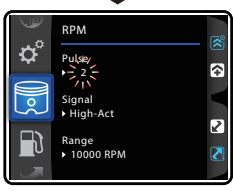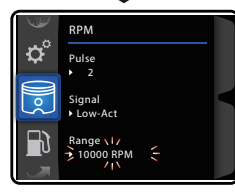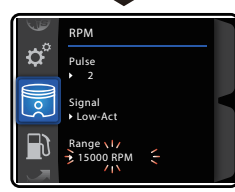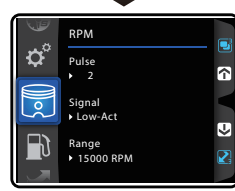●In the RPM screen, press the **Down button for 3 seconds** to enter the RPM input pulse setting.

●EX : Set the signal impulse from High-Act to Low-Act.
●Press the **Down button** to enter the RPM Range setting.

●**Example : You want to set the RPM input pulse to 2 (4 Stroke, 4 piston).**
●Press the **Up button** to choose the setting number.

⚠ Now the setting value is flashing.
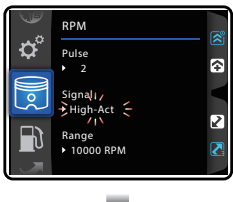
NOTE Setting range : P-0.5, 1.0~24.0.
Default value : 1.0.

●**Example : Set the RPM Range to 15,000 RPM.**
●Press the **Up button** to choose the setting options.

⚠ Now the setting value is flashing.

NOTE Setting range : 10,000 RPM/ 12,000 RPM/ 15,000 RPM/ 18,000 RPM/ 20,000 RPM.
Default value : 10,000 RPM.

The setting value	The corresponding stroke and pistons number.		The corresponding RPM signal number per ignition.
0.5	——	4C-1P	2 RPM signals per 1 ignition.
1.0	2C-1P	4C-2P	1 RPM signal per 1 ignition.
2.0	2C-2P	4C-4P	1 RPM signal per 2 ignition.
3.0	2C-3P	4C-6P	1 RPM signal per 3 ignition.
4.0	2C-4P	4C-8P	1 RPM signal per 4 ignition.
5.0	——	4C-10P	1 RPM signal per 5 ignition.
6.0	2C-6P	4C-12P	1 RPM signal per 6 ignition.

⚠ **CAUTION!**

Most of the 4-cycle bikes with one single piston are igniting once every 360 degree, so the setting should be the same as the bike with 2-cycle and one piston engine.

●EX : The RPM Range setting is changed from 10,000 RPM to 15,000 RPM.
●Press the **Down button** to go back to the RPM screen.
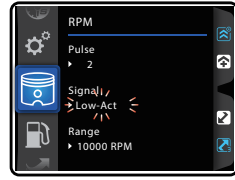
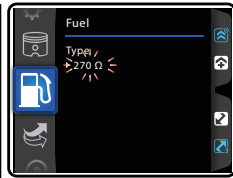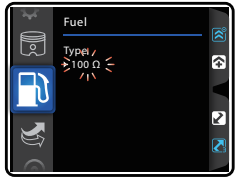●EX : The RPM input pulse setting is changed from 1.0 to 2.0.
●Press the **Down button** to enter the signal impulse setting.

●The RPM screen.

●**Example : Set the signal impulse to Low-Act.**
●Press the **Up button** to choose the setting options.

⚠ Now the setting value is flashing.

NOTE Setting range : High-Act, Low-Act.
Default value : High-Act.

5-15-1 Fuel Resistance(Ω) Settings
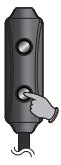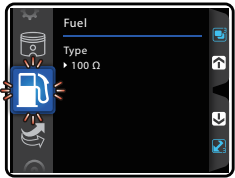
●In the fuel resistance(Ω) screen, press the **Down button for 3 seconds** to enter into the fuel resistance(Ω) setting.

●**Example: If the vehicle is a YAMAHA FORCE 155, its resistance is 270 Ω according to the service manual.**
●Press the **Up button** to choose the setting number.

⚠ Now the setting value will blink.

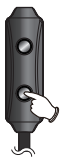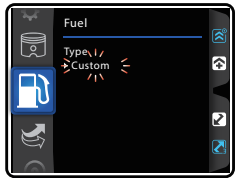**NOTE** Settings range : 100 Ω, 250 Ω, 270 Ω,390 Ω, 510 Ω,1200 Ω, Switch, Custom, OFF.
Default value : 100 Ω.

NOTE If the setting is Custom, it will enter the 5-15-2(Manual) and 5-15-3 (Auto) operation setting.

●EX：Set fuel meter's resistance value from 100 Ω to 270 Ω.
●Press the **Down button** to go back to the fuel screen.
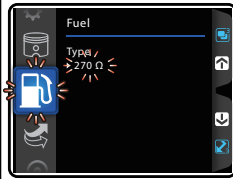
●The fuel resistance(Ω) screen.

5-15-2 Fuel Gauge Resistance Settings (Manual)

●Press the **Down button twice** to enter the fuel gauge resistance setting (Manual).

●**Example : To set the lowest fuel level resistance value as 90 Ω.**
●Press the **Down button** to move to the digit you want to set.

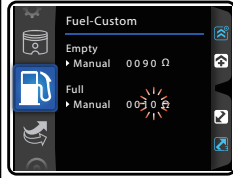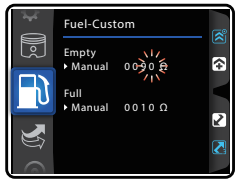⚠ Now the setting value is flashing.

●Press the **Up button** to choose the setting number.

●EX : Set the lowest fuel level resistance value from 80 Ω to 90 Ω.
●Press the **Down button twice** to enter the highest fuel level resistance setting.
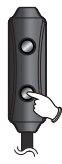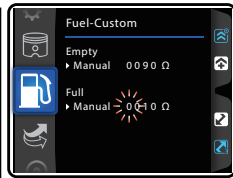
●**Example : To set the highest fuel level resistance value as 10 Ω.**
●Press the **Down button** to move to the digit you want to set.

⚠ Now the setting value is flashing.
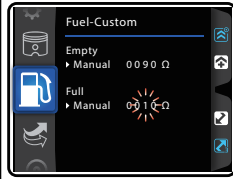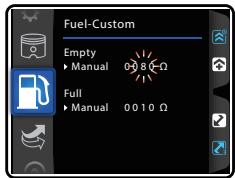
●Press the **Up button** to choose the setting number.

●EX : Set the highest fuel level resistance value to 10 Ω.
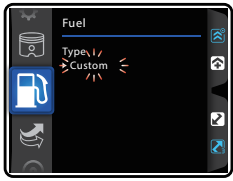●Press the **Down button** to go back to the fuel gauge resistance screen.
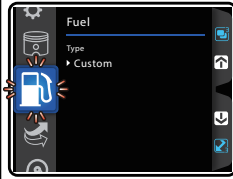
●The fuel gauge resistance screen.

5-15-3 Fuel Gauge Resistance Settings (Auto Detection)

● Press the **Down button** to enter the fuel gauge resistance setting(Auto detection).

⚠ **CAUTION!**

● Before detection, ensure that your current fuel level is in the lowest position that you would like to have.
● Stop the vehicle for a few seconds to allow the fuel surface to become steady, then start the detection of the resistance.

P.S. Try it!

● When the fuel surface sensor floats in the lowest position then press the **button**, it will detect the resistance around 90 Ω.

The lowest position ▶
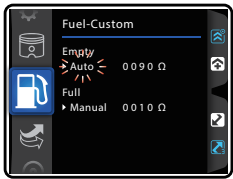
● EX : Auto detection the lowest fuel level resistance value is 90 Ω.
● Hold and press the **Down button 5 times** to enter the highest fuel level resistance auto detection screen.
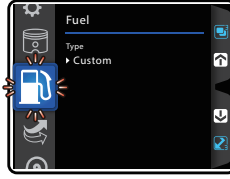
P.S. Try it!

The highest position ▶

● When the fuel surface sensor floats in the highest position then press the **button**, it will detect the resistance around 10 Ω.
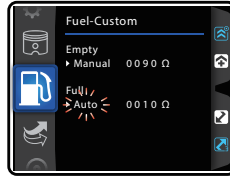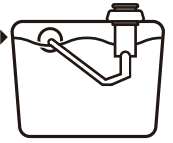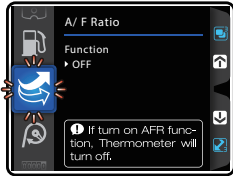
● EX : Auto Detection the highest fuel level resistance value is 10 Ω.
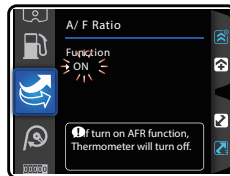● Press the **Down button** to go back to the fuel gauge resistance screen.

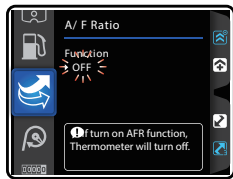● The fuel gauge resistance screen.

5-16 A/F Ratio Settings

● The A/F ratio screen, press the **Down button for 3 seconds** to enter the A/F ratio setting.

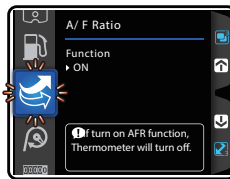**NOTE** To use the A/F ratio function, you will need to install related accessories and wiring.

● Press the **Up button**, and select whether to turn on the A/F ratio warning function.
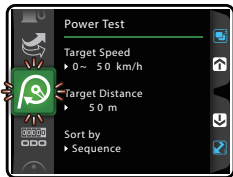⚠ Now the setting value is flashing.
NOTE Setting range : ON, OFF.
Default value : OFF.
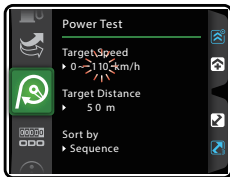⚠ If turn on AFR function,Thermometer will auto turn off.

● Press the **Down button** to go back to the A/F ratio screen.

● The A/F ratio screen.
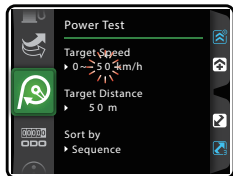
5-17 Power Test Setting

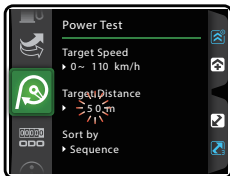● In the Power Test screen, press the **Down button for 3 seconds** to enter the Power Test setting.

● **Example : To set target speed value to 110 km/h.**
● Press the **Up button** to choose the setting number.
⚠ Now the setting value is flashing.
NOTE Setting range : 30~360 km/h (20~225 MPH).
Default value : 50 km/h (30 MPH).

● EX : Set target speed value from 50 km/h to 110km/h.
● Press the **Down button** to enter the target distance setting.

● **Example : To set target distance value to 100 m.**
● Press the **Up button** to choose the setting number.
⚠ Now the setting value is flashing.
NOTE Setting range : 50~1,500 m (1/32~30/32 mile).
Default value : 50 m (1/32 mile).

- EX : Set target distance value from 50 m to 100 m.
- Press the **Down button** to enter the the sort by setting.

- EX : Set sort by from Sequence to Best.
- Press the **Down button** to go back to the Power Test screen.

- **Example : To set sort by to Best.**
- Press the **Up button** to choose the setting options.

⚠ Now the setting value is flashing.

| NOTE | Setting range : Sequence, Best. Default value : Sequence. |

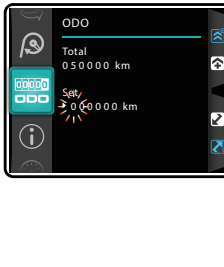- The Power Test screen.

5-18 Internal And External ODO Settings

- In the internal and external ODO screen, press the **Down button for 3 seconds** to enter the external ODO setting.

⚠ User unable to adjust or clear internal ODO.

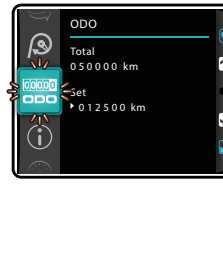| NOTE | Display range : 0~999,999 km (mile). |

- EX : Set external total distance value from 0 km to 12,500 km.
- Press the **Down button** to go back to the internal and external ODO screen.

- **Example : To set external total distance value to 12,500 km.**
- Press the **Down button** to move to the digit you want to set.

⚠ Now the setting value is flashing.

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

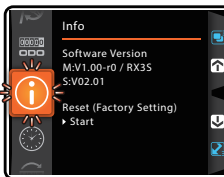| NOTE | Setting range : 0 ~ 999,999 km (mile). |

- The internal and external ODO screen.
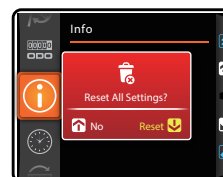
- Press the **Up button** to choose the setting number.
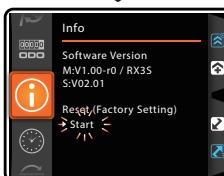
5-19 Meter Information Settings

- In the meter information screen, press the **Down button for 3 seconds** to enter the meter information setting.

- Press the **Down button** to confirm reset.
- Press the **Up button** to cancel reset.

- **Example : To reset the meter(original setting).**
- Press the **Up button** to reset.

⚠ Now the setting value is flashing.

| NOTE | User unable to adjust or clear software Version. |

- Successfully reset and return to the boot screen for initial use.

6 Troubleshooting

The following situations do not indicate malfunction of the product. Check the following before taking it in for repair.

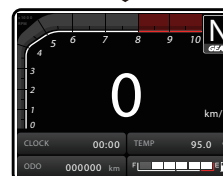| Trouble	Check item	Trouble	Check item
The meter doesn't work when the power is on.	●**The power isn't supplied to the meter.** →**Make sure the wiring is connected. The wiring and fuse are not broken.** →**The battery is too old to supply needed power (DC 12 V).**	A/F ratio doesn't appear or appears incorrectly.	●Check the setting. →Refer to the manual 5-16 A/F ratio setting.
The meter shows wrong information. **Speed meter doesn't appear or appears incorrectly.**	●Check the voltage of your battery, and make sure the voltage is over DC 12 V. ●**May be poor connection of the speed sensor.** →**Check the speed sensor is connected correctly.** ●**Check the setting.** →**Refer to the manual 5-12 circumference and sensing point setting.**	**Fuel meter doesn't display or display error.**	●**Check your fuel tank.** ●**May be poor connection of the harness.** →**Make sure the wires are connected correctly.** ●**Check the setting.** →**Check the settings menu, the fuel settings are correct.**
Tachometer doesn't appear or appears incorrectly.	●Make sure the RPM wire is connected properly. →Check the RPM wire wire is connected correctly. ●Check the spark plug is R type or not. If not, replace the spark plug with the R type spark plug. ●Check the setting. →Refer to the manual 5-14 RPM input pulse , signal impulse.	The clock is incorrect.	●Check the setting. →Check in the settings menu if the clock settings are correct. ●May be due to a reversed power line. →Check if the positive wire(Red) connects to the battery(DC 12 V) and if the main switch positive wiring(Brown) connects to the main switch(DC 12 V).
Thermometer doesn't appear or appears incorrectly.	●**Make sure the temperature wire is connected properly.** →Check **if the temperature wire is connected correctly.** ●**Check the setting.** →**Refer to the manual 5-6 temp warning setting.**	**Voltage doesn't appear or appears incorrectly.** The meter indicator doesn't display.	●**May be due to poor connection of wiring.** →**Check whether the wires are disconnected or have fallen off.** ●May be poor connection of the harness. →Make sure the wires are connected correctly.

※ If the problems still cannot be solved, contact our technical department for assistance.