

# VT No. 39-0880 and 39-0881

## INSTALLATION INSTRUCTIONS

● Thank you for purchasing our product. This product is a multifunction meter that has a digital liquid crystal display (LCD) with a backlight design, and is easy to install. Before using, please read the instructions carefully and retain them for future reference.

### ⚠ Notice

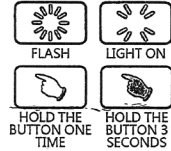
- To avoid a short circuit from occurring do not pull or modify the wires during installation.
- Any damages caused by faulty installation shall be imputed to the users.
- Opening and disassembling this unit will void any warranty.
- Maintenance and repairs should be executed by our professionals only.
- Symbol description:

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

⚠ Some procedures must be followed in order to avoid faulty installation

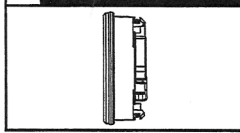
⚠ **Warning!** Some procedures must be followed in order to avoid damages from occurring to yourself and others.

⚠ **Caution!** Some procedures must be followed in order to avoid damages from occurring to the vehicle.



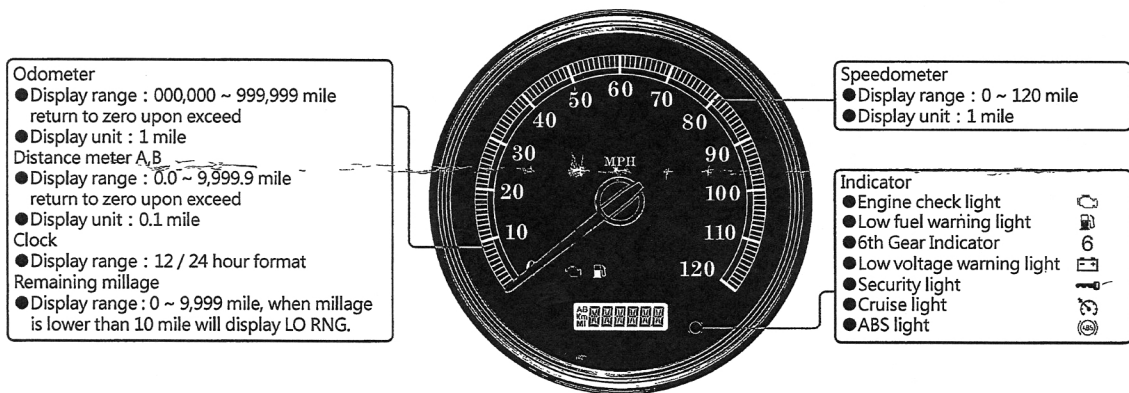
## 1 Accessories

### 1 LCD Meter X1



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

## 2-1 Overview



## 2-2 Features and settings description

● Speedometer	Display range : 0 ~ 120 mile Display unit : 1 mile
○ Display interval	<0.5 second
○ Internal and external odometer	Display range : 000,000 ~ 999,999 mile return to zero upon exceed Display unit : 1 mile
○ Trip meter A · B	Display range : 0.0 ~ 9,999.9 mile return to zero upon exceed Display unit : 0.1 mile
● Fuel meter	Setting range : FUEL 1 · FUEL 2 · CUST
● Clock	12 / 24 hour format
○ Backlight color	Yellow
● Operating voltage	DC 12V
● Temperature range	-10 ~ +60°C
● Specifications	JIS D 0203 (S2)
● Meter Size	D 117.2 X 44.8 mm
● Meter Weight	194.5 grams
● Indication light	<ul style="list-style-type: none"> <li>Engine check light (Yellow light)</li> <li>Low fuel warning light (Yellow light)</li> <li>6th Gear Indicator (Green light)</li> <li>Low voltage warning light (Red light)</li> <li>Security light (Red light)</li> <li>Cruise light (Green light)</li> <li>ABS light (Yellow light)</li> </ul>

**NOTE** Design and specification may change without further notice.

# INSTALLATION INSTRUCTIONS

## 2-3 Main menu functions



- In the total millage screen, press the button once to switch to Trip A screen.



- Trip A screen, press the button once to switch to Trip B screen.
- Hold the button for 3 seconds to clear the Trip A recordings.



- Trip B screen, press the button once to switch to remaining millage screen.
- Hold the button for 3 seconds to clear the Trip B recordings.



- In the remaining millage screen, press the button once to switch to the clock screen.

- Remaining millage is lower than 10 mile, will display "LO RNG" to inform users.



- When reminding feature is activated, it will automatic return to the remaining millage screen, if remaining millage is too low.

- When reminding feature is activated, it will automatic switch to the remaining millage screen during startup, if remaining millage is too low.



- Hold the button for 3 seconds to switch to inform feature switch.



**NOTE** A It will not display if it's not supported in engine computer.

- The following situation will result displaying "r----" or no display at all.
  - Abnormal fuel sensor (short / open circuit)
  - Engine computer does not support this feature

- Fuel related settings will affect this value's precision



- Clock screen, press the button once to return to total millage screen.

**NOTE** Setting value : 24 H.

**NOTE** Display can be switch off (please refer to setting 2-4)

## 2-4 Clock settings



- In the clock settings screen, hold the button for 3 seconds to enter into the setting screen.



- Example : You want to change the hours format to 12.
- Press the button once to select desired setting value.

▲ Now the setting value will blink.

**NOTE** Setting value : 24 H.

**NOTE** Setting range : 12 / 24 hour format.



- EX : Set time settings from 24 hours format to 12 hours format.
- Hold the button for 3 seconds to enter time into the (hour) settings screen.



- Example : You want to change the hour to PM.10.
- Press the button once to select desired setting value.

**NOTE** Cursor moving order is : Hour > Digit in ten minutes > Digit in minutes

**NOTE** Setting range : 1 ~ 12 (12H), 0 ~ 23 (24H).



- EX : Set time settings from AM.12 to PM.10.
- Hold the button for 3 seconds to enter time into the (minutes) settings screen.



- Example : You want to change the minutes to 15.
- Hold the button for 3 seconds to the digit you want to set.

▲ Now the setting value will blink.

**NOTE** Setting range : 00 ~ 59 minutes.



- Press the button once to select desired setting value.



- EX : Set time settings from 0 to 5.
- Hold the button for 3 seconds to go back clock screen.



- Clock screen.

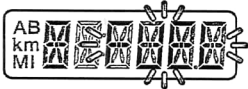
# INSTALLATION INSTRUCTIONS

## 3 Settings and features index screen



- In the total millage screen, hold the button for 3 seconds to enter into the setting screen.

### 3-1 Fuel settings



- In the fuel settings main screen, hold the button for 3 seconds to enter into the sub settings screen.

3-1-1

#### Fuel type



- Example : To set the fuel type to CUST (user define).
- Press the button once to select desired setting value.

▲ Now the setting value will blink.

NOTE Setting range :

1. FUEL 1
2. FUEL 2
3. CUST

NOTE Fuel setting information

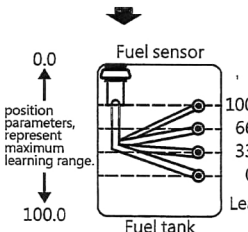
FUEL 1	04-07 Softail, Dyna, Road king (CARB.)
FUEL 2	08-13 Softail, Dyna, Road king (EFI)
Cust	Customize (for changing tank use, programmable and go thru the learning procedure)



- EX : To set fuel type from OFF to CUST.
- Hold the button for 3 seconds to enter into the user define mode.

▲ Now the setting value will blink.

NOTE When selecting other settings, it will enter 3-1-2\_Fuel position indicator.



- User define mode Needs to learn the position of 0%, 33%, 66%, 100% (F) fuel volume.



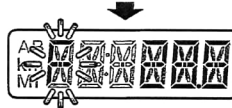
- Fuel volume 0% position learning screen.
- Confirm that there is low fuel before learning.
- Allow the vehicle to be still for 10 ~ 15 seconds in order to steady the liquid surface.
- Press the button once to learn the current fuel position.
- Hold the button for 3 seconds to enter into the next fuel volume position learning screen.



- Fuel volume 33% position learning screen.
- Confirm that there is 1/3 fuel volume in fuel tank before learning.
- Allow the vehicle to be still for 10 ~ 15 seconds in order to steady the liquid surface.
- Press the button once to learn current fuel position.
- Hold the button for 3 seconds to enter into the next fuel volume position learning screen.



- Fuel volume 66% position learning screen.
- Confirm that there is 1/3 fuel volume in fuel tank before learning.
- Allow the vehicle to be still for 10 ~ 15 seconds in order to steady the liquid surface.
- Press the button once to learn current fuel position.
- Hold the button for 3 seconds to enter into the next fuel volume position learning screen.



- Fuel volume 100% position learning screen.
- Confirm that there is 1/3 volume in fuel tank before learning.
- Allow the vehicle to be still for 10 ~ 15 seconds in order to steady the liquid surface.
- Press the button once to learn current fuel position.
- Hold the button for 3 seconds to enter into the next fuel volume position learning screen.



- Learning conformation screen.
- Press the button once to save the current learning results, then automatic return to fuel type settings screen.



- If an error occurs in the learning process, it will display "error" when saving. Then abandon this learning and return to fuel type screen.



- Hold the button for 3 seconds to renounce current learning result and return to the sub settings screen.

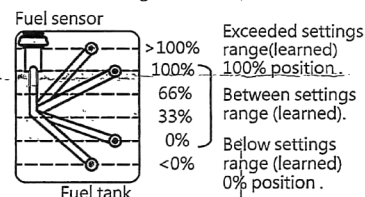


3-1-2

#### Fuel position indicator



- Fuel position indicator.
- This screen will display the current liquid surface position, if it exceeds the range it is recommended to reset the fuel volume parameters to acquire more precise fuel volume and range information.



- Hold the button for 3 seconds to enter fuel volume settings.

# INSTALLATION INSTRUCTIONS



- Hold the button for 3 seconds to the digit you want to set.



⚠ Now the setting value will blink.

- Press the button once to select desired setting value.



**NOTE** Setting range: 1.0 ~ 9.9 gallons.

**NOTE** Volume calculation method checks for the total volume of the fuel tank and low fuel indicating volume in the user manual of vehicle, then substitutes it into the equation:  
below total vol.  
- (low fuel vol. / 2) = setting value.



- EX: To set fuel volume value from 4.5 to 4.8.
- Hold the button for 3 seconds to go back fuel volume settings screen.



- Fuel screen.

## 3-2 Total internal and external millage settings



- In the total millage settings main screen, hold the button for 3 seconds to enter into the sub settings screen.

### 3-2-1

#### Current total internal millage



- Example: Current total internal millage display is 5 mile.
- Press the button once to enter into the total external millage settings screen.

⚠ User unable to adjust or remove total internal millage.

**NOTE** Display range: 0 ~ 999,999 mile.

### 3-2-2

#### Total external millage



- In the total external millage settings main screen, hold the button for 3 seconds to enter into the settings screen.



- Hold the button for 3 seconds to move the cursor to the desired settings level.



⚠ Now the setting value will blink.

- Press the button once to select desired setting value.



⚠ Setting range: 0 ~ 999,999 mile.



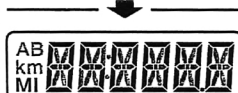
- EX: To set the total external millage from 0 to 50,000 mile.
- Hold the button for 3 seconds to go back the total external millage screen.



- Total external millage screen, press the button once to return to total millage settings main screen.



- Millage settings main screen, press the button once to return to total millage main screen.



- Total millage main screen.

## 4 Trouble shooting

The following situation does not indicate malfunction of the meter. Please check the following points, before taking it in for repairs.

Trouble	Check item
The meter doesn't work when the power is on.	<ul style="list-style-type: none"> <li>● The power doesn't supply to the meter.                             <ul style="list-style-type: none"> <li>→ Please make sure the wiring is connected. The wiring and fuse are not broken.</li> <li>→ The battery is broken or the battery is too old to supply enough power DC 12V to make the meter work.</li> </ul> </li> </ul>

※ If the problems persist after viewing the steps above, please contact your local distributors.