

Instruction Sheet

Product: 63-001 & 63-002

Redline Multi Recall Tachometer



INSTRUCTION



Thank you for purchasing our REDLINE meter. Before operating this unit, please read carefully the instruction sheet and retain it for future reference.

⚠ Notice

1. The meter work on DC 9~12 volts applications.
2. For proper installation, please follow the steps described in the instruction. Any damages caused by wrong installation shall be imputed to the users.
3. Don't break or modify the wire terminals. To avoid any short circuit, do not pull the wires out of the terminal when installing.
4. Do not disassemble or change any parts.
5. Opening the instrument will void any warranty. Maintenance or repair should be executed by our professionals only.

MARK MEANING:

⚠ Some procedures must be followed to avoid damages to the instrument.

⚠ **WARNING!** Some procedures must be followed to avoid injuries to the user or others.

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



Light on



Flash

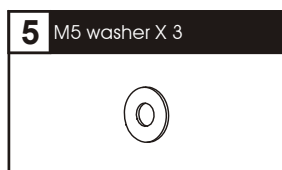
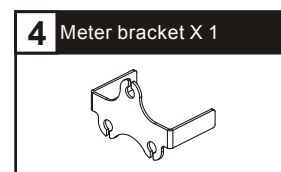
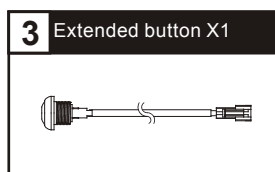
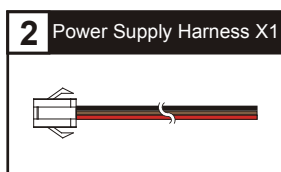
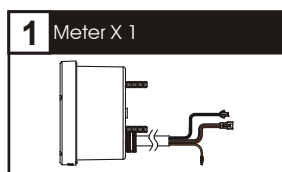


Press the
Button once



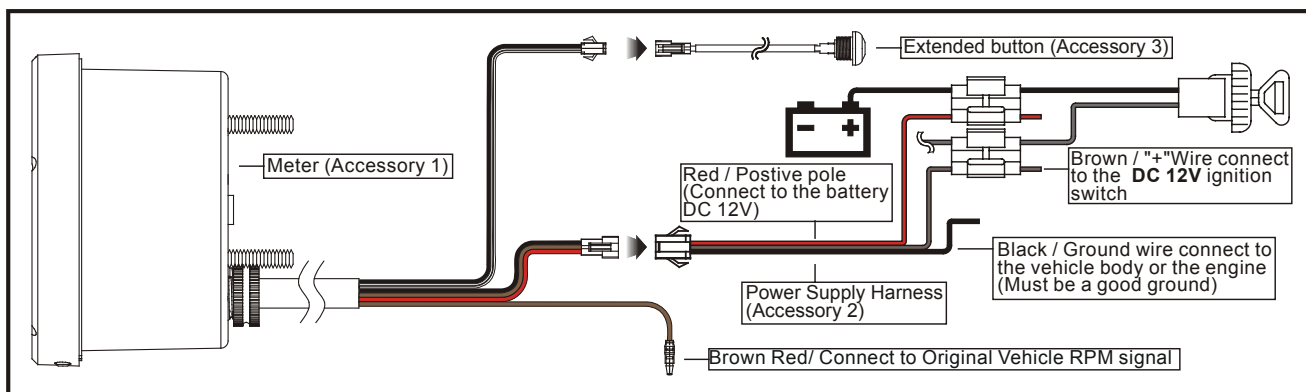
Press the
Button for 3
seconds

1 Accessory

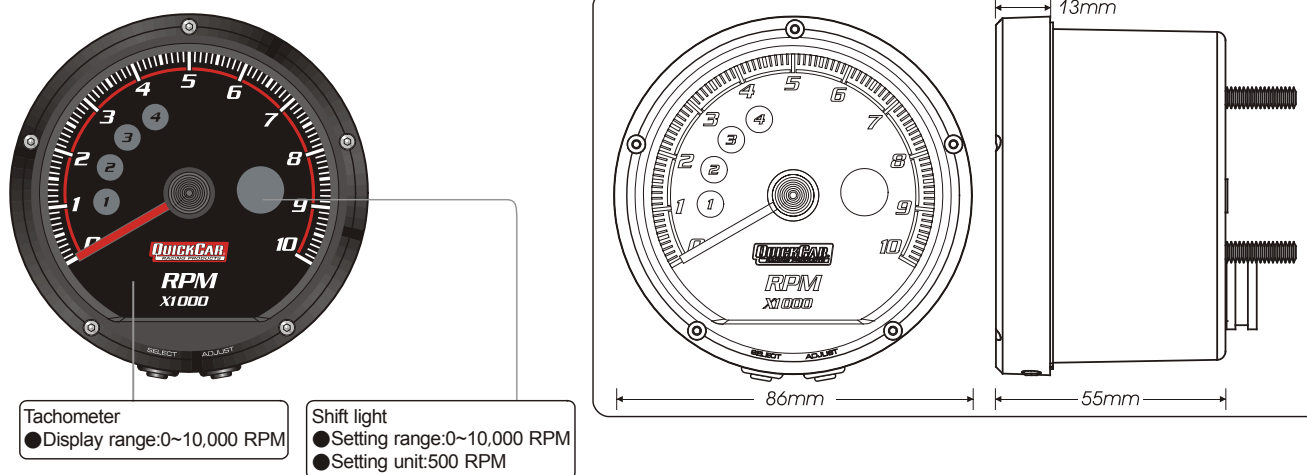


NOTE Please contact the local distributor if the items you open are not the same, with the above-listed one.

2 Wiring installation instructions



3-1 Basic function instruction

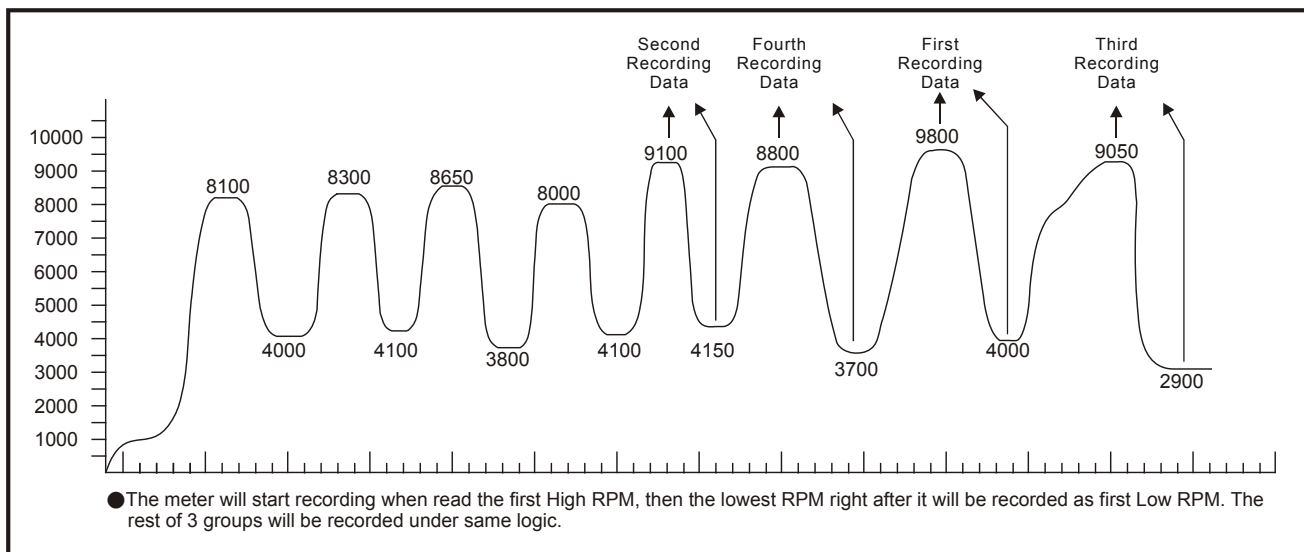


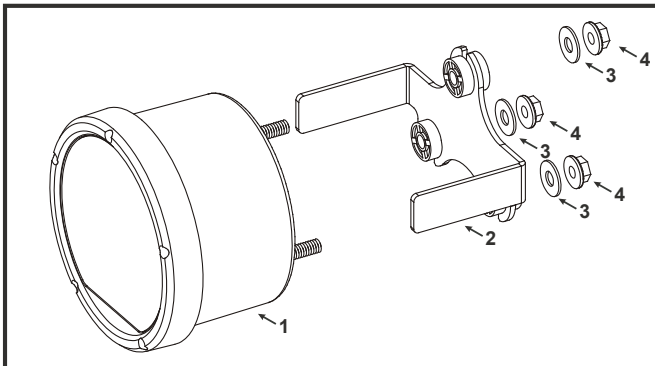
3-2 Specifications

● Tachometer	Display range: 0~10,000 RPM	● Effective voltage	DC 12V
○ Display interval	< 0.5 second	● Effective temperature range	-10~+60 °C
○ The RPM input signal number setting	Setting range: 0.5, 1~6	● Meter standard	JIS D 0203 S2
○ The RPM input pulse	Setting range: Hi (Positive wave pulse) Setting range: Lo (Negative wave pulse)	● Meter size	85.5 X 54.5 mm
○ The shift light	Setting range: 0~10,000 RPM Setting unit: 500 RPM	● Meter weight	Around 330g
		● Indicator light color	RPM shift light (RED)

NOTE Design and specifications are subject to change without notice.

3-3 RPM Recording Data Curve Instruction





When installing, please follow the process.

1. Meter X 1 (Accessory 1)
2. Meter bracket X 1 (Accessory 4)
3. M5 washer X 3 (Accessory 5)
4. M5 X P 0.8 nut X 3 (Accessory 6)

3-5 RPM Recording Manipulation Setting



- In main screen, press Adjust Button or External Button once to start recording.

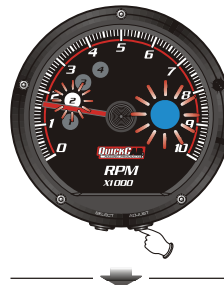


- Press Adjust Button or External Button once to stop recording.

3-6 Instruction for How to Read the RPM Records



- In main screen, press Select Button once or External Button X 3sec. to enter the RPM record display.



- When needle display the second Low RPM record, short press the Adjust Button or External Button once to enter the third High RPM record.



- When "1" indicator is lighting up, means the needle currently showing the first High RPM record. And short press the Adjust Button or External Button once the needle will move to the first Low RPM record.

NOTE The RPM records would have 4 different High RPM records and also 4 different Low RPM records



- Third High RPM Record



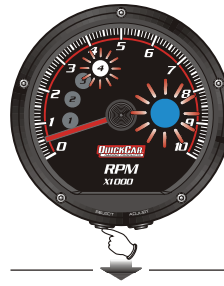
- Third Low RPM Record



- Fourth High RPM Record



- When needle display the first Low RPM record, short press the Adjust Button or External Button once to enter the second High RPM record.



- When needle display the fourth Low RPM record, short press the Select Button once or reset the records (3-7) to return the starting screen .



- When "2" indicator is lighting up, means the needle currently showing the second High RPM record. And short press the Adjust Button or External Button once the needle will move to the second Low RPM record.



- The main screen.

3-6 Instruction for How to Reset the Records



- In the Main Screen, press the Select Button once or External Button X 3sec. to enter the RPM Record display mode.



- "1", "2", "3", "4" indicators will be all flashing to represent the RPM records is been reset. After reset, the meter will automatically back to the Main Screen.



- During the RPM Record display mode, press the Adjust button for 3seconds or External Button X 3sec. to reset all 4 High RPM records and all 4 Low RPM records in the same time.

4 Entering setting mode



- In the operating mode, hold the **Select & Adjust** button for 3 seconds to enter the setting mode.



- Press the Select button once to enter the shift light setting.
- EX. Now the setting is Lo (The negative impulse)



4-1 Piston number setting

- Press the Adjust button to change the value.

▲ "1" Indicator will be flashing at this moment.

NOTE Setting range:0.5, 1~6

NOTE Default:4

Setting value	2 Strokes setting	4 Strokes setting	RPM per spark
0.5	—	1 pist.	2 RPM signals per 1 spark.
1	1 pist.	2 pist.	1 RPM signals per 1 spark.
1.5	—	3 pist.	2 RPM signals per 3 spark.
2	2 pist.	4 pist.	1 RPM signals per 2 spark.
2.5	—	5 pist.	2 RPM signals per 5 spark.
3	3 pist.	6 pist.	1 RPM signals per 3 spark.
4	4 pist.	8 pist.	1 RPM signals per 4 spark.
5	—	10 pist.	2 RPM signals per 10 spark.
6	4 pist.	12 pist.	1 RPM signals per 6 spark.

▲ **CAUTION!** Some 4 strokes engines with one piston are igniting every 360 degree. TO get the proper RPM, the setting should be the same as a 2 strokes engine with one piston.

- Press the Select button once to enter the signal type setting.
- EX. The ignition angle setting is changed from 0.5 to 4 (4C-8P).



4-2 Signal type setting

- Press the Adjust button to change the value. 1=Hi, 0=LO

▲ "2" Indicator will be flashing at this moment.

NOTE We define the RPM input pulse as Hi (Positive pulse) & Lo (Negative pulse)

NOTE If the RPM displayed on the meter is incorrect, choose another setting and try it again.

NOTE Default:Hi (Positive pulse)



4-3 Shift light setting

- EX: You want the shift light to light on at 8500 RPM Please change the shift light setting value to 8500 directly.

- Press the Adjust button to choose the setting number.

▲ "3" Indicator will be flashing at this moment.

NOTE Setting range:0~10,000 RPM
Setting unit:500 RPM

▲ Default:8,000 RPM



- Press the Select button for 3 seconds to enter the Operating mode.
- EX: Now the shift light setting is changed from 8000RPM to 8500 RPM.



- The main screen.