

INSTALLATION INSTRUCTIONS

85mm JDM TACHOMETER w/WARNING

1 BEFORE YOU START

1. Read instructions completely before installation.
2. Install tachometer only when engine is cool and ignition is off.
3. Make sure all necessary tools, materials, and parts are on hand.
4. Refer to your vehicle's service manual for the location of tachometer sensor port, vacuum system, and/or charging system.
5. Disconnect negative (-) battery cable before installing tachometer.

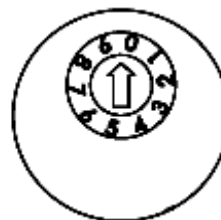
NOTE: It may be necessary to reprogram your radio, clock, etc. after reconnecting the battery.

6. Make sure mounting location does not impair visibility of interfere with driving. Also check behind the mounting location for any wiring or components before drilling.
7. When connecting electrical wire, install crimp terminals and make wire splices as needed. ALWAYS insulate wire splices with electrical tape to prevent shorting.
8. Follow all necessary safety procedures for protection.

2 ENGINE CYLINDER SELECTION

1. Use your finger of a small screwdriver to slide the select switch.
2. The tachometer is designed for use with 1.2.3.4.5.6.7.8.9.10. Cylinder engines only.
3. The cylinder select switch on the rear of the tachometer must be set prior to installation.
4. Use your finger of a small screwdriver to slide the cylinder select switch.

To the appropriate position: 1.2.3.4.5.6.7.8.9.or 0. (0. Is 10.)

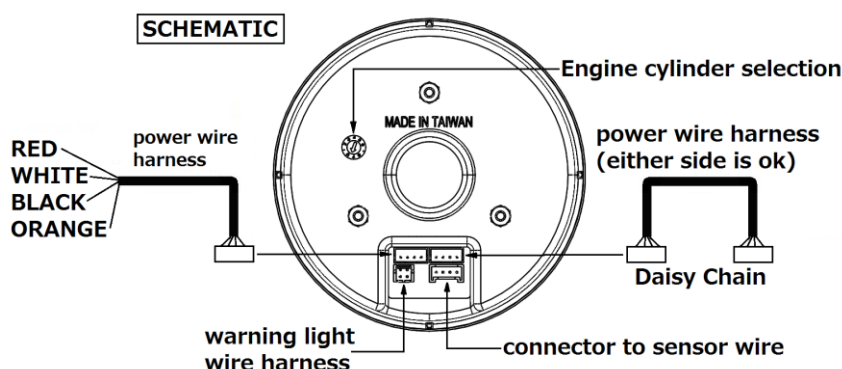


3 MOUNTING

You can mount your tachometer on or under the dashboard or on the center console according to your personal choice. Determine best position for good visibility before drilling screw holes.

4 TACHOMETER CONNECTION

1. Connect power wire (RED) to +12V battery wire.
2. Connect power wire (WHITE) to a switched +12V circuits at fuse box, or splice into any vehicle harness wire which is energized ONLY when ignition key is ON (RUN) position.
3. Connect power wire (BLACK) to ground, negative (-) battery terminal or a good chassis ground.
4. Connect power wire (ORANGE) to panel lights circuit at fuse box, or splice into any vehicle harness wire connected to the panel lights circuit.
5. Secure lead wires along their route to prevent damage from sharp edges, moving parts or hot engine components.
6. Turn on ignition. DO NOT START ENGINE tachometer needle should be to minimum or "0" when ignition is turned on.
7. Start and run engine. REV engine several times and verify tachometer indication changes as rpm increases and decreases. Make sure tachometer operation is smooth and even.



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5 IMPORTANT

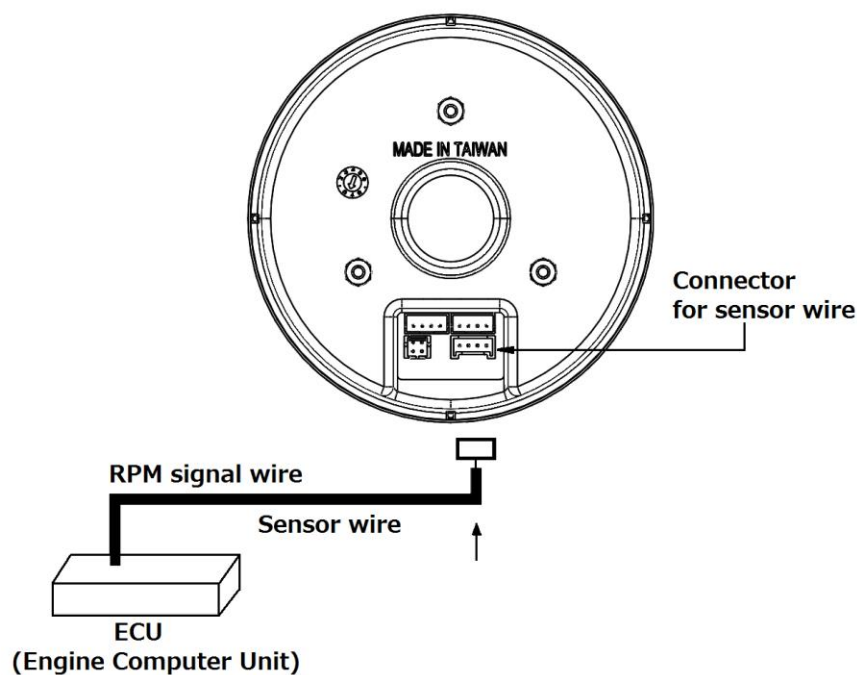
If your vehicle does not have an ECU, a 12v square wave tach converter is necessary.

This will convert your coil pulse to the proper 12v square wave modern ECU's provide.

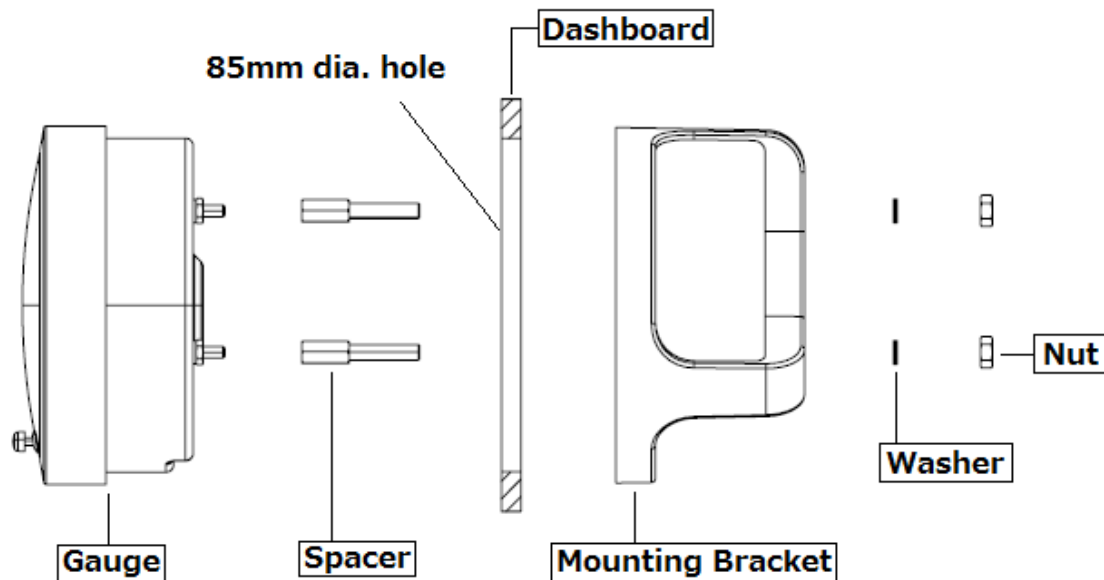
Tachometer signal wire connections vary with vehicle make, model, and ignition type.

Typical tachometer signal source locations are shown in the accompanying illustrations.

Always consult the service manual for the vehicle you working on to ensure proper connection.



6 TACHOMETER ASSEMBLY



85mm JDM SERIES OPERATION INSTRUCTIONS

There are three modes in this gauge, **Backlight color Mode**, **Warning Mode** and **Sound Mode**. In any time when the gauge is in the normal mode, the Backlight color can be operated by click.

1. Backlight color Mode :

- 1) There are two different colors in one gauge: White and Amber (dark orange).
- 2) The backlight default value is white.
- 3) Click the button to switch backlight color.

2. Warning Mode :

- 1) Select "WARN," then press and hold the button for 3 seconds to enter the warning setting mode.
- 2) When the warning light starts flashing, release the button.
 - Press and hold the button again to move the needle quickly, or
 - Press the button repeatedly to move the needle in small increments.
- 3) Once the desired warning value is set, release the button and wait for 5 seconds. The warning light will stop flashing, the value will be saved automatically, and the system will return to selection mode.

Note: If the power is accidentally cut during the setting process, the value will not be saved

3. Sound Mode :

※ The default setting is **Sound ON**.

- 1) Turn off the ignition key. Then, press and hold the button while turning the ignition key back on.
- 2) If the sound is disabled, you will hear one beep.
If the sound is enabled, you will hear two beeps.