



Caeront Automotive Instruments Ltd,
Abercrave,
Swansea,
SA9 1SH.

Tel 01639 732200 Fax 01639 732201


[Home](#)
[Products](#)
[Q & A's](#)
[Contact us](#)
[Distributors](#)
[Links](#)

Electronic Programmable Tachometer (EPT) Fitting Instructions (New Design) Petrol Engines

IMPORTANT INFORMATION

Gauge to be fitted to **NEGATIVE EARTH VEHICLES** only.

Application Notes

OPERATING VOLTAGE 11-17VDC

NOTE: instrument is equipped with a 12v lamp

INPUT SIGNAL:-

Contact breaker ignition (coil)

ECU tachometer output

COMPILES WITH 95/54/EC, ISO7637 & ISOTR 10605

Installation

When mounting the gauge in an instrumental panel, cut a hole in the instrument panel suitable to fit the diameter of the gauge and clearance for the depth and wires.

Mount the tachometer in the instrument panel and connect the wires as below.

- ▣ **Green Wire** – Connect to switched ignition power via a 3 amp fuse.
- ▣ **Black Wire** – Connect to earth/ground.
- ▣ **Red/White Wire** – Connect to a dash lighting power feed.
- ▣ **Brown/Slate Wire** – Not used in this application. (Hour meter only)

SIGNAL INPUT ALTERNATIVES:-

The circuit diagram shows all alternatives, only one is needed.

- ▣ **White/Black Wire** – Connect to tacho output of electronic ignition.
- ▣ **Red/Blue Wire** – Connect to negative side of ignition coil (distributor side).

Calibration

The electronic tachometer is calibrated (programmed) by setting a combination of four switches found on the rear of the instrument. To gain access to these switches, remove the hole plug.

Set the switches prior to installing the instrument.

NOTE: The switch setting must be done with the power "off"

Calibration Procedure

Set the switches to the correct values for the number of cylinders.

(Refer to the table below)

Locate the settings then set the switches marked "ON" to "OFF" (down)

Locate the setting, then set the switches marked 'O' to 'OFF' (down)

Calibration Switch Settings

No of Cylinders	Pulses/Rev	Switch 1	Switch 2
8	4	On	Off
6	3	Off	On
4	2	Off	Off
2	1	On	On

Switch 3 - OFF, unless

Tacho outputs on some ECU'S and some sensors require resistive load to 12 volts to operate (open-collector output)

Turning Switch 3 ON will provide this.

Switch 4 - NOT used for calibration and should be switched 'OFF'