



Caeront Automotive Instruments

"The original makers of SMITHS instruments"

Instructions for 80mm/100mm 12volt Smiths Motorsport Classic Tachometers

Caution
Disconnect the negative battery cable prior to any installation

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Terms and conditions apply.

For further information go to the Caeront Automotive web site "www.caigauge.com".

Products designed and manufactured under ISO 9001:2000 quality standard.

The **SMITHS Motorsport** Classic tachometer is available in 80mm and 100mm diameter case size.

INSTALLATION:

To fit the tacho, either an 80mm or 100mm clearance hole is required, dependant on the model purchased.

A harness is provided with 5 free end wires to connect to your vehicle as below:

GREEN - Connect to switched positive supply.

BLACK - Connect to ground.

RED/WHITE - Connect to dash lamp power.

RPM signal input alternatives:-

WHITE/BLACK - Connect to connect breaker side of Ignition Coil, OR,

RED/BLUE - Connect to Ecu, Electronic tacho signal.

The toggle switch is used to set the calibration of the instrument, i.e. the number of cylinders. The switch can then be removed from the vehicle, if required, by separating the three blade connectors. The switch will not be needed again unless you require to re-install the product on another engine with a different number of cylinders. Push the toggle switch towards the locating tag & slot on the switch washer for "set adjust" and away from the tag for "menu select".

OPERATING INSTRUCTIONS:

1.SET THE NUMBER OF ENGINE CYLINDERS (For conventional ignition systems, 1 coil & 1 distributor)

With the ignition switched off, press and hold the toggle switch away from the tag, i.e. menu select. Keeping the switch pressed, switch on the ignition.

With release of the button the pointer will move to the factory setting of 4 cylinders. Each press and release of the menu/select toggle will increment the pointer by 1000RPM (or 1 cylinder), up to 12 cylinders. When the number of cylinders exceed full scale then the pointer will move backwards with each minor chaplet representing a 1 cylinder increment.

If 12 cylinders are exceeded, then the sequence will restart at 1 cylinder (1000rpm).

For 4 cylinder lost spark ignition systems:-

These systems have two double ended coils and no distributor. Connect the white and black lead of the tacho to one coil only. The setting will need to be halved, therefore set at 2000(2) not 4000(4), in this case.

Green Connect to switched ignition power source. (+ve) via 3A fuse

Black Connect to ground. (- ve)

Red/White Connect to dash lamp power

Brown/slate used (Hour meter only)

Signal Input alternatives

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

White/Black Connect to Tacho output of electronic ignition

Red/Blue Connect to negative side of ignition coil (distributor side)

When the pointer is at the correct cylinder number, **press the set/adjust toggle switch to store the set-up** and return the Tacho to normal operation.

For advice on other ignition systems: contact technical support :-

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