



Caerbont 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 Caerbont Automotive web site "www.caigauge.com".

Products designed and manufactured under ISO 9001:2008 quality standard.

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Installation Instructions

USE ON **NEGATIVE EARTH VEHICLES** only

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 6 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 (Positive supply)
- RED/BLACK - Ground

RPM signal input alternatives:-

- RED/BLUE - Connect to contact breaker side of Ignition Coil, OR,
- WHITE/BLACK - 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:

SETTING 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.

Again, keep the switch pressed until the pointer moves 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 exceeds 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).

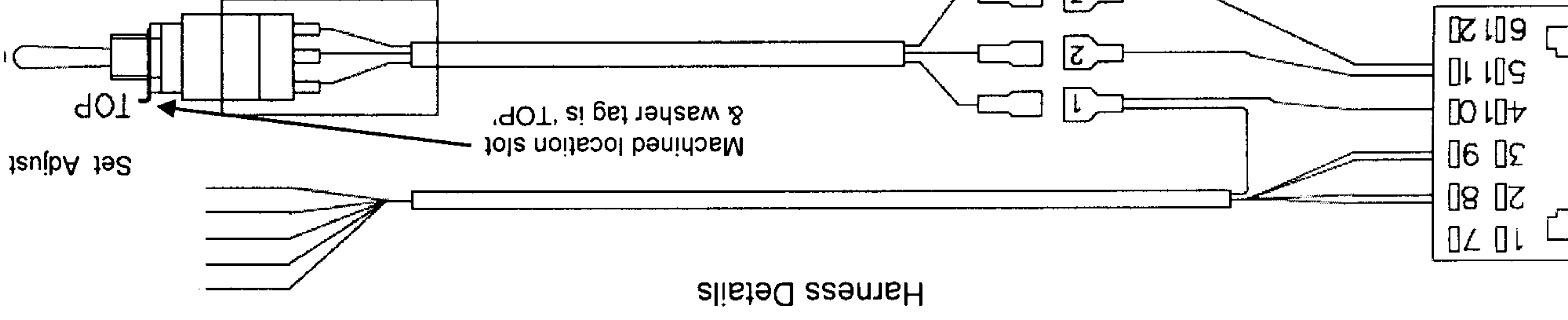
4 cylinder lost spark ignition systems:-

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.

When the pointer is at the correct cylinder number, press and hold the toggle switch in the 'menu/select' position (away from the tag) until the pointer has returned to zero. Switch the ignition power off then back on to set the tachometer to its new setting.

Menu Select



Harness Details

Lead	Colour	Function
1	Green	Switched positive supply
6	Red/White	Illumination supply
7	Black	Ground
8	Red/Blue	Tacho signal (contact breaker)
9	White/Black	Tacho signal (ECU)
12	Red/Black	Ground