



SPARES for ROYAL ENFIELD & AMAL

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ELECTRONIC REV COUNTER FITTING INSTRUCTIONS (PART 92600)

THIS KIT COMPRISES:

1. ELECTRONIC REV COUNTER
2. CUP AND MOUNTING PILLAR AND MOUNTING NUTS
3. WIRING HARNESS
4. FITTING INSTRUCTIONS

N.B. PLEASE NOTE THIS UNIT IS FOR USE ON NEGATIVE EARTH MOTORCYCLES ONLY

TO FIT THE REV COUNTER MOUNTING CUP

Remove one of the fork leg plug screws, the Rev Counter can be mounted on either the right or left side of the casquette

Screw the mounting pillar into the fork leg plug screw hole and tighten

Fit the Rev Counter cup onto the mounting pillar, rotate the cup to the most suitable position and tighten

WIRING THE REV COUNTER

A harness is provided with six free wires and three wires with male spade connectors.

Plug the Harness into the back of the Rev Counter head.

Note: For a single cylinder bike with points ignition and for Electra X and EFI Models set at 1000 rpm during calibration routine.

For a single cylinder with BOYER IGNITION set at 2000 rpm during calibration routine (the Boyer unit sparks every rotation of the crank i.e. wasted spark).

CALIBRATING THE REV COUNTER

The Rev Counter is suitable for a range of engine types, these instructions will assist in setting the unit for a single cylinder engine. A small toggle switch is provided to calibrate the Rev Counter.

Connect the toggle switch - black to black, red to red, etc

Please Note: the toggle switch has a plain washer which has a small **Tag-pointer** (see picture below).

Push the toggle switch away from this tag for 'Menu Select'

With the ignition switched off, press and hold the switch away from the tag.



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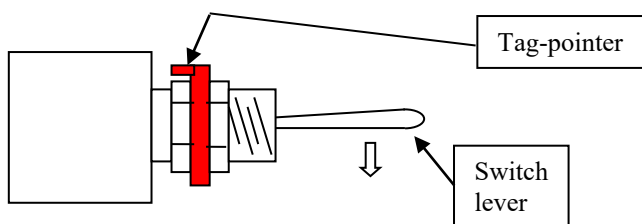
Keeping the toggle switch in this position, switch on the ignition. Initially the pointer will move to the stop position, and then move to the 4000 rpm position.

(If the needle does not move at this stage, check the wiring connections.)

By pressing and releasing the toggle switch, the pointer will move up 1000 rpm at a time, until it reaches 8000 rpm. It will then move backwards in small increments, then in 1000 rpm increments until it reaches the 1000 rpm mark (2000rpm for BOYER), which indicates the setting for a single cylinder engine.

When the pointer is indicating the correct setting for a single cylinder engine, (that is when it points to 1000 rpm), press and hold the toggle switch away from the tag, until the pointer swings to the maximum position then back to 'zero' position. At this point switch the ignition 'OFF' then 'ON' again whilst still holding the toggle switch down to set the Tachometer to its new setting. Release the toggle switch and turn the ignition OFF, when the ignition is turned back ON the tacho needle should complete a full cycle and return to zero, at this point start the engine and the tacho should read correctly.

Finally, mount the Rev Counter into the cup using the two nuts supplied. Disconnecting the wiring harness from the Rev Counter head will not lose the calibration data.



For Bullets upto 2008

FREE WIRE COLOURS	FUNCTION
GREEN	Switched positive supply - ignition
RED/WHITE	Illuminated supply
BLACK	Ground
RED/BLUE	Tacho signal (contact breaker) Leave unconnected if electronic ignition is fitted
WHITE/BLACK	Tacho signal (e.c. unit) – connect to red/white wire on ignition coil Leave unconnected if points ignition is fitted
RED/BLACK	ground

For Electra X + EFI Models

FREE WIRE COLOURS	FUNCTION
GREEN	Switched positive supply - ignition
RED/WHITE	Illuminated supply
BLACK	Ground
RED/BLUE **	Tacho signal (EC Unit)-Connect to Red/White on ignition coil
WHITE/BLACK**	Leave unconnected
RED/BLACK	ground

****These cables should be reversed if calibration does not work**

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- Connect to dash lamp power (Negative Supply)

RPM signal input alternatives:-

RED/BLUE - Connect to connect 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:

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.

These are the alternative original instructions for use if you are not fitting to a Royal Enfield

Instructions for
80mm/100mm 12volt
Smiths MotorSport
Classic Tachometer

Caution
Disconnect the negative battery
cable prior to any installation

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.

