

Instructions rogramma Speedome

isconnect the negativ cable prior to any inst Caution

Unit 3, Rockfort Industria OX10 9DA, United King Racetech gdom Estate,

For further information g 'www.racetechdesign. Racetech website com the

Products designed & manuunder ISO 9001:2000 c standard 9001:2000 quality *stactured*

Installation instr uctions

Stepper motor technology

part numbers number Bxx-xx (x indicates any character in

number Issue date 16/01/07

Application

mie e ered pus tion is 10 to 16 volts, negative earth only. The speedometer is intended for panel mounting, it is shower proof from the front only when the speedometer the reset button on the the speedometer must be km of individual vehicles and must be protected from environmental damage at the rear. speedometer must be calibrated to suit the pulses per mile or of individual vehicles using the programming harness and h button assembly (supplied in your kit as an accessory) or via reset button on the front of the instrument. This must be done on the speedometer is installed in the vehicle and powder the calibration range is from 2500 to 128,000 pulses per operating voltage is ominally 12 volts. The range of opera-

| Light gieen/puiple | put | Red/blue | White/black | ery Black | | Red/white tion | Red | ness | Brown/slate | | Green | Wire Colour |
|--------------------|---------------------------------|--------------------|--------------------------|-----------------------------|-------------------|------------------------------------|----------------------------|-----------------|-------------------|------|--|-------------|
| рифе 8 | | ~ | 6 ECU) | C h | (side light feed) | 4 | ω | OR not used | 2 | Fuse | - | Pin No |
| Not used | For low voltage out- senders | Speed signal input | Speed signal input (hall | Chassis or bat- negative | ed) | instrument illumina- 12v supply | Pull Up/Down (if required) | ed reset switch | Connected to har- | | Switched Ignition posi- 12volt supply ,3A | Connect to |

Setting the pulses per mile

The calibration mode is selected by switching on the ignition while simultaneously holding the reset button for 3 sectonds. Release the reset button, the speedometer is now in calibration mode, and the odorneter will flash and display the current pulses per mile (or Km) setting.

desired value By momentarily pressing and releasing the reset button each number (extreme left side first) can be incremented to your When the desired wait 3 seconds value is selected release the button and

programmed to your pulses
At the end of the sequence The next number ber in the same w same way to the right will flash, increment this num-ay and continue until all the numbers are s per mile/km wait 3 second

grammed ometer will return time before the end of the sequence no changes will be proend of the sequence wait 3 seconds and the speed to normal operation. If you switch off at a at any

For most of the following c the number of times that y metre. Stand the vehicle o at the tion of the tyre on the tyre at the same point. and measure the distance covered . Move the vehicle forwards for one revolucalculations you will need to know your tyre revolves per mile or kilo-on a flat surface and make a mark

per mile 63360 divided by the distance covered in inches = tyre revs

-' -- ·

per km 1000 divided by t he distance covered in metres tyre revs

ber) How to calculate the pulses per mile/km (calibration num-

Prop shaft mounted magnetic sensor (magnets or Bolt

ratio) heads moving past the sensor)
Calibration number = (tyre revs per mile or km) x (differential x (no of magnets or bolts)

Push vehicle forward lutions Sender driven from transmission cable drive

Push vehicle forward on flat ground for 6 complete tyre and count Ħe number 으 cable turns

(Tyre Cable turns per mile Calibration number revolutions per mile (or Km) / 6) x cable turns (or Km)

counted

cable turns per nile (or Km) × number of pulses per Sender revolution