FITTING INSTRUCTIONS

CAUTION

GAUGE TO BE FITTED TO NEGATIVE EARTH VEHICLES ONLY

DISCONNECT THE BATTERY CABLE PRIOR TO INSTALLATION

GENERAL INFORMATION:

OPERATING VOLTAGE: 11-17VDC: NOTE-Instrument is equipped with a 12v lamp.

INPUT SIGNAL: Magnetic sensor, Hall effect speed transducer, Digital ECU

COMPLIES WITH 95/54/EC, ISO7837 & ISO TR 16605 for Electro-Magnetic Compatibility.

CALIBRATION:
The Programmable speedometer is calibrated (programmed) by setting a combination of ten switches found on the rear of the instrument. To gain access to these switches remove the hole plug by pressing above the center to allow a small coin, screwdriver, etc. to be inserted in the slot behind the upper edge.
The odometer and speedometer are electronically linked together and are both calibrated when the switches are set correctly. Set the switches prior to installing the instrument.

NOTE: The switch settings must be done with the power 'OFF'.

CALIBRATION PROCEDURE:
Calculate the "calibration number" from the appropriate formula below.
the number obtained must be within the range of 2500 to 135626 pulses/unit distance). Refer to the 'CALIBRATION SWITCH SETTINGS' table with this number. Locate the setting which is nearest to the calibration number, then set the switches marked with "O" to the "OFF" position (down).

EXAMPLE: Calibration number =18142: therefore, switches 1,2,3,5,6,7,8,9 are switched "OFF" (Switch settings 000100001).

Calibration Number
(Unit distance = miles or kilometres)
1) Front wheel mounted slotted disc / tone wheel (visible through magnetic sensor threaded hole)
Calibration number =
Number of slots in slotted disc x (tyre revs/unit distance)

2) Propeller shaft / tail shaft mounted magnetic sensor (4 poles):
Calibration number =
(Tyre revs/Unit distance) x differential ratio x 4

3) sender driven from transmission cable drive:
Calibration number =
(Cable turns/unit distance) x (number of pulses/sender turn)