



## Caerbont Automotive Instruments

### EMP34-1KIT Speed Sensor

The sender is designed such that each time a ferrous material (eg. a bolt head) passes the tip, an electronic pulse is generated.

A common location for fitting is adjacent to the propshaft/differential bolts. A suitable bracket must be fabricated to allow fitting of the sender. The sender should be fixed to the bracket such that the tip is between 1 and 2mm from the bolt head. As each bolt head passes the tip, a pulse is generated. Once the electrical connection is made, the LED (at the wiring end) will glow with each pulse – this can be used as confirmation of function.

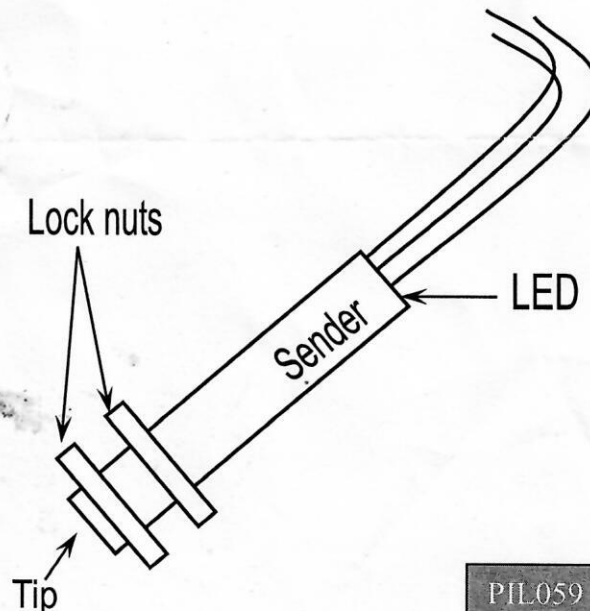
The number of pulses generated per mile travelled must be set on the speedometer – see *speedometer fitting instructions*.

#### **Electrical Connection**

Brown wire – Switched (fused) +ve supply.

Blue wire – Negative

Black wire – Signal to instrument (white/black wire on CAI speedometer)



PIL059