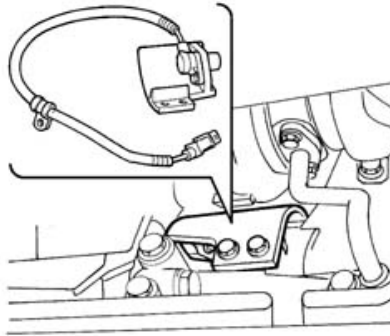


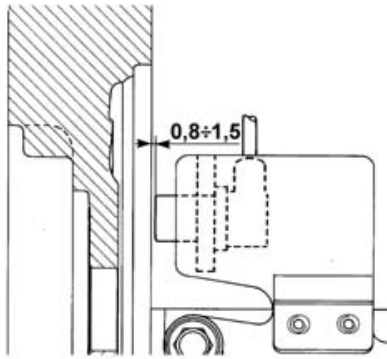
ENGINE RPM SENSOR

This inductive sensor is located on the engine near the flywheel. The sensor generates signals produced by magnetic flow lines that close through holes in the flywheel. The number of holes is 58. The electronic control unit uses the signal to detect engine rotation speed and angular position and to govern the electronic rev counter.

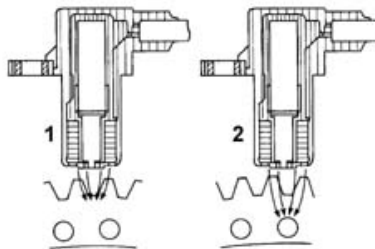


OPERATION

The changeover from full to empty determined by the presence or absence of a gap brings about a magnetic flux change sufficient to generate an induced alternating voltage proportional to the number of holes on the flywheel phonic wheel. Rpm sensor peak output voltage depends, all else being equal, on the distance between the sensor and the phonic wheel holes.



To obtain correct signals, the specified distance between phonic wheel and sensor (gap) must be between 0.8 - 1.5 mm. This distance is not adjustable. If the gap is found to be outside the tolerance limits, check the condition of the sensor and phonic wheel.



- 1 - Maximum magnetic flux.
- 2 - Minimum magnetic flux.

ENGINE COOLANT TEMPERATURE