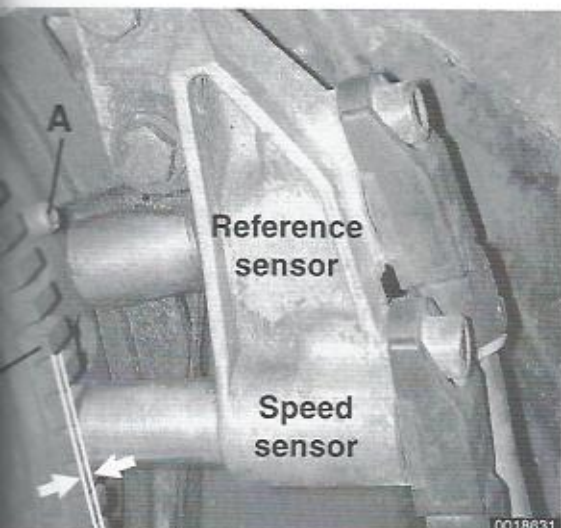


Cylinder head temperature sensor

- ◀ The cylinder head temperature sensor is the main engine temperature input to the ECM. The temperature sensor sends continuous engine temperature information to the ECM. The temperature sensor is of the NTC (negative temperature coefficient) type; as temperature increases sensor resistance decreases.

- The sensor is mounted in cylinder no. 3 (left front cylinder).



Reference and speed sensors

- ◀ The reference (TDC) and engine speed sensors are mounted to the crankcase on the flywheel end of the engine. The ECM needs a signal from the reference position sensor for the engine to start.

The reference sensor responds to a set screw (A) in the flywheel during cranking. The engine speed sensor responds to a toothed wheel on the flywheel (B). Engine speed is determined by the rate at which the wheel's teeth pass the sensor. Two voltages pulses are generated for each tooth on the flywheel.

The sensor clearance (arrows) should be 0.8 ± 0.3 mm (0.03 ± 0.01 in.).