

## 2206D Engines



Illustration 5

g01099045

### Locations of the sensors on 2206D engines

- (1) Engine coolant temperature sensor
- (2) Atmospheric pressure sensor
- (3) Secondary engine speed/timing sensor

- (4) Fuel pressure sensor
- (5) Engine oil pressure sensor
- (6) Boost pressure sensor

- (7) Fuel temperature sensor
- (8) Intake manifold air temperature sensor
- (9) Primary engine speed/timing sensor

i05957583

## Diagnostic Capabilities

### Diagnostic Codes

The engines Electronic Control Module (ECM) can monitor the circuitry between the ECM and the engines components. The ECM can also monitor the engines operating conditions. If the ECM detects a problem, a code is generated.

There are two categories of codes:

- Diagnostic code
- Event code

**Diagnostic Code** – A diagnostic code indicates an electrical problem such as a short circuit or an open circuit in the engines wiring or in an electrical component.

**Event Code** – An event code is generated by the detection of an abnormal engine operating condition. For example, an event code will be generated if the oil pressure is too low. In this case, the event code indicates the symptom of a problem. Generally, event codes indicate abnormal operating conditions or mechanical problems rather than electrical problems.

Codes can have two different states:

- Active
- Logged

### Active Codes

An active code indicates that a problem is present. Service the active code first. For the appropriate troubleshooting procedure for a particular code, refer to the appropriate troubleshooting procedure.

# Perkins 2200 Series Workshop Manual

**M Tight**



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