DTC

P0325

Knock Sensor 1 Circuit Malfunction

CIRCUIT DESCRIPTION

The knock sensor is fitted to the cylinder block to detect engine knocking. This sensor contains a piezoelectric element which generates a voltage when it becomes deformed, which occurs when the cylinder block vibrates due to knocking. If engine knocking occurs, ignition timing is retarded to suppress it.

| DTC No. | DTC Detecting Condition | Trouble Area |
|---------|--|--|
| P0325 | No knock sensor 1 signal to ECM with engine speed, 2,000 rpm or more | Open or short in knock sensor 1 circuit Knock sensor 1 (looseness) ECM |

HINT:

If the ECM detects above diagnosis conditions, it operates the fail safe function in which the corrective retard angle value is set to the maximum value.

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

Read freeze frame data using TOYOTA hand-held tester or OBD II scan tool. Because freeze frame records the engine conditions when the malfunction is detected, when troubleshooting it is useful for determining whether the vehicle was running or stopped, the engine warmed up or not, the air-fuel ratio lean or rich, etc. at the time of the malfunction.

DI38A-03

DI-72





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