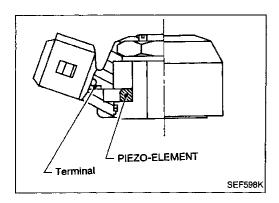
TROUBLE DIAGNOSIS FOR DTC 34



Knock Sensor (KS) (DTC: P0325)

The knock sensor is attached to the cylinder block. It senses engine knocking using a piezoelectric element. A knocking vibration from the cylinder block is sensed as vibrational pressure. This pressure is converted into a voltage signal and sent to the ECM.

* In case of knock sensor, the freeze frame data will not be stored in ECM.

The knock sensor does not have the two trip detection logic, and will not light up the MIL.

Diagnostic Trouble Code N o.	Malfunction is detected when	Check items (Possible cause)
34 P0325	An excessively low or high voltage from the knock sensor is entered to ECM.	Harness or connectors (The knock sensor circuit is open or shorted.) Knock sensor

DIAGNOSTIC TROUBLE CODE DETECTING CONDITION



- 1) Turn ignition switch "ON" and select "DATA MONITOR" mode with CONSULT.
- 2) Start engine and run it for at least 5 seconds at idle speed.



1) Start engine and run it for at least 5 seconds at idle speed.

-- OR --

2) Select "MODE 3" with GST.





- 1) Start engine and run it for at least 5 seconds at idle speed.
- 2) Turn ignition switch "OFF", wait for at least 3 seconds and then "ON".
- 3) Perform "Diagnostic Test Mode II (Self-diagnostic results)" with ECM.

TROUBLE DIAGNOSIS FOR DTC 34

Knock Sensor (KS) (DTC: P0325) (Cont'd)

EC-KS-01

GĮ

MA

EM

LC

EC

FE

CL

MT

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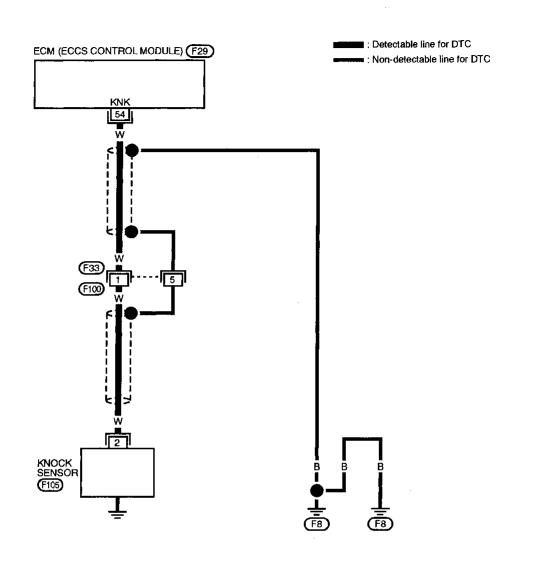
ST

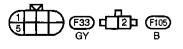
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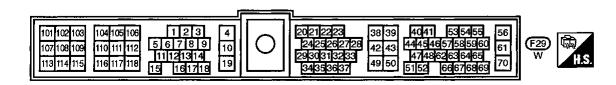
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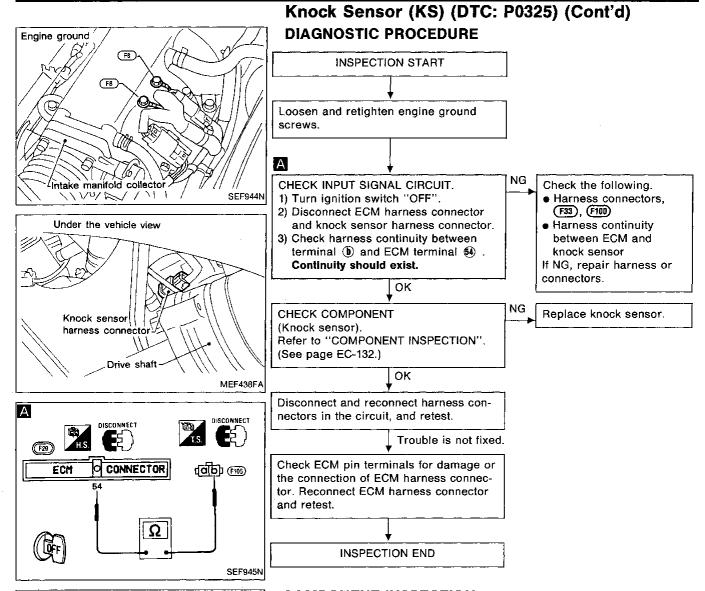






MEC010B

TROUBLE DIAGNOSIS FOR DTC 34



COMPONENT INSPECTION

Knock sensor

- 1. Disconnect knock sensor harness connector.
- 2. Check continuity between terminal (a) and ground.

Continuity should exist.

• It is necessary to use an ohmmeter which can measure more than 10 $M\Omega$.

CAUTION:

SEF970K

Discard any knock sensor which has been dropped or undergone shocks; use a new one.