

DTC	13	Engine Speed Sensor Circuit Malfunction
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CIRCUIT DESCRIPTION

Refer to DTC12 (Crankshaft Position Sensor Circuit Malfunction) on [page DI-21](#).

DTC No.	DTC Detecting Condition	Trouble Area
13	No NE signal to engine ECU for 0.5 sec. or more at 580 rpm or more	• Open or short in engine speed sensor circuit • Engine speed sensor • Engine ECU
	No NE signal to engine ECU for 2.0 sec. or more during cranking	

WIRING DIAGRAM

Refer to DTC12 (Crankshaft Position Sensor Circuit Malfunction) on [page DI-21](#).

INSPECTION PROCEDURE

1	Check resistance of engine speed sensor (See page FU-113).
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Check and replace injection pump ([See page FU-113](#)).

OK

2	Check for open and short in harness and connector between engine ECU and engine speed sensor (See page IN-19).
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Repair or replace harness or connector.

OK

3	Inspection sensor installation.
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Tighten sensor.

OK

Check and replace engine ECU ([See page IN-19](#)).