DI31P–02

DTC	13	Engine Speed Sensor Circuit Malfunction

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).**

NG → **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).**

NG → **Repair or replace harness or connector.**

OK

3	**Inspection sensor installation.**

NG → **Tighten sensor.**

OK

Check and replace engine ECU (See page IN–19).