DI264_0

DTC	B1422/22	Compressor Lock Sensor Circuit
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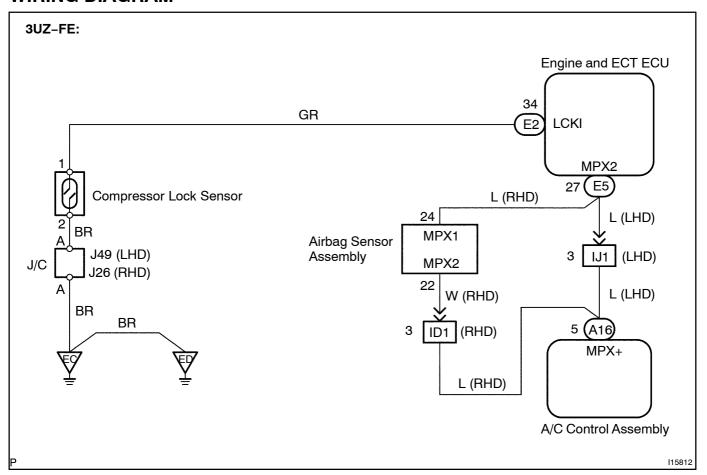
CIRCUIT DESCRIPTION

This sensor sends 1 pulses per engine revolution to the engine and ECT ECU.

If the number ratio of the compressor speed divided by the engine speed is smaller than a predetermined value, the engine and ECT ECU turns the compressor OFF. And, the indicator flashes at about 1 second intervals.

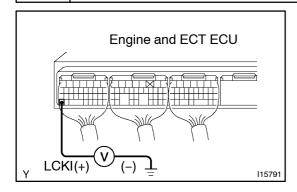
DTC No.	Detection Item	Trouble Area
B1422/22	All conditions below are detected for 3 secs. or more (a) Engine speed: 450rpm or more (b) Ratio between engine and compressor speed deviates 20% or more in comparison to normal operation.	Compressor. Compressor drive belt. Compressor lock sensor. Harness and connector between compressor and engine and ECT ECU Harness and connector between engine and ECT ECU and A/C control assembly Harness or connector between engine and airbag sensor assembly. Harness or connector between airbag sensor assembly and A/C control assembly Engine and ECT ECU A/C control assembly.

WIRING DIAGRAM



INSPECTION PROCEDURE

Check voltage between terminal LCKI of engine and ECT ECU and body ground.



CHECK:

- (a) Start engine.
- (b) Push AUTO SW.
- (c) Measure voltage between terminal LCKI of engine and ECT ECU connector and body ground when A/C switch is ON.

OK:

Voltage: 10 - 14 V



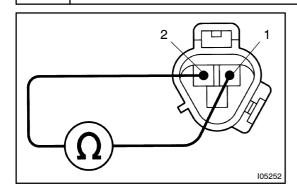
Proceed to next circuit inspection shown on problem symptoms table See page DI-930).

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Check compressor lock sensor.



PREPARATION:

- (a) Jack up the vehicle.
- (b) Disconnect compressor lock sensor connector.

CHECK:

Measure resistance between terminals 1 and 2 of compressor lock sensor connector.

OK:

Resistance:

at 20°C (68°F) : 990 – 1210 Ω at 100°C (212°F) : 1280 – 1550 Ω

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Replace compressor lock sensor.

OK

Check harness and connectors between engine and ECT ECU and compressor lock[sensor.(See[page]N-30).

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Repair or replace harness or connector.

OK

4 Check[multiplex[communication[system[See[page[DI-732]).