DI3P2-01

DTC	P0135/21[Oxygen[\$ensor[Heater[Circuit Malfunction[Bank 1[\$ensor 1)	
DTC	P0141/21[Oxygen[\$ensor[Heater[Circuit Malfunction[[Bank 1[\$ensor[2])	
DTC	P0155/28[Oxygen[\$ensor[Heater[Circuit Malfunction[(Bank[2]\$ensor 1)	

DTC□	P0161/28 Oxygen Sensor Heater Circuit
	Malfunction (Bank 2 Sensor 2)

CIRCUIT DESCRIPTION

Refer[]o[DTC[P0130/21, P0150/28[]Oxygen[Sensor[Circuit[Malfunction[]Bank 1[Sensor 1) (Bank[2[Sensor 1))[pn[page[DI-51.

DTC[No.	DTC[Detecting[Condition	Trouble[Area
P0135/21 P0141/21 P0155/28 P0161/28	Open@r[\$hort[]n[]heater@ircuit[@f@xygen[\$ensor[@.5[\$ec.]@r more	Dpen@rishort in[heater circuit of oxygenisensor Oxygenisensor[heater Engine[ECU

HINT:

- •□ Bank 1 [refers [lo[bank [that [includes [cylinder [No.1.
- Bank[2]refers[to]bank[that[does[not]include[cylinder[No.1.
- Sensor 1 refers to the sensor closer to the engine body.
- Sensor 2 refers to the sensor farther away from the engine body.

WIRING DIAGRAM

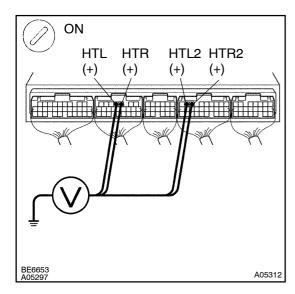
Refer to DTC P0130/21, P0150/28 (Oxygen Sensor Circuit Malfunction (Bank 1 Sensor 1) (Bank 2 Sensor 1) pn page DI-51 for he WIRING DIAGRAM.

INSPECTION PROCEDURE

HINT:

Read freeze frame data using hand-held tester. 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.

1 Check[voltage[between[terminals[HTR,[HTR2,[HTL,[HTL2[of[engine[ECU connector[and[body[ground.



PREPARATION:

(a) Remove the glove compartment door.

(b) Turn the ignition switch ON.

CHECK:

HINT:

- •□ Connect[]erminal[HTR[]o[]bank[2]\$ensor 1.
- •□ Connect erminal HTR2 obank 2 sensor 2.
- □ Connect erminal HTL obank 1 sensor 1.
- Connect terminal HTL2 to bank 1 sensor 2.

OK:

Voltage: 9 – 14 V

ok `

Check and replace engine ECU (See page N-19).

NG

2□

Checkresistanceofopexygensensorheater(SeepageFI-71).

NG

Replace oxygen sensor.

OK

Check and repair harness or connector between main relay and oxygen sensor and engine [ECU [See page N-19]]