DI3P2-0

DTC	P0135/21 Oxygen Sensor Heater Circuit Malfunction (Bank 1 Sensor 1)
DTC	P0141/21 Oxygen Sensor Heater Circuit Malfunction Bank 1 Sensor 2)
DTC	P0155/28 Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 1)
DTC□	P0161/28 Oxygen Sensor Heater Circuit Malfunction (Bank 2 Sensor 2)

CIRCUIT DESCRIPTION

Refer[]o[]DTC[]P0125/91[]on[]page[]DI-30.

DTC[No.	DTC[Detecting[Condition	Trouble[A rea
P0135/21 P0141/21 P0155/28 P0161/28	Open@r[\$hort[]n[]heater@ircuit[@f[@xygen[\$ensor[@.5[\$ec.@r more	Dentorshort in heater circuit of oxygensensor Oxygensensor heater Engine CU

HINT:

- •□ Bank 1 refers to bank that ncludes cylinder No.1.
- •□ Bank[2[refers[lo[bank[that[does[hot[]nclude[cylinder[]No.1.
- Sensor Trefers to the Sensor Closer to the Engine Dody.
- •□ Sensor 2 refers to the sensor farther away from the engine body.

WIRING DIAGRAM

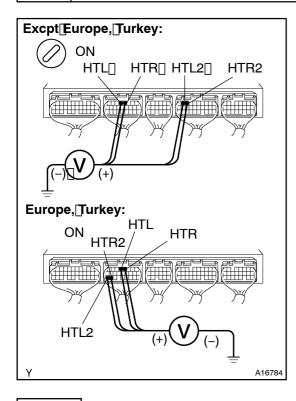
Refer[lo]DTC[P0125/91] on page[DI-30].

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 witch ON.

CHECK:

Measure voltage between terminals HTR, HTR2, HTL2 of the engine CU connector and body ground.

HINT:

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

OK:

Voltage: 9 - 14 V





2[]

Check[resistance[of[oxygen[sensor[heater[(See[Pub.[No.[RM630E[on[page[FI-71).

NG□

Replace oxygen sensor.

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