DI563-1

DTC	133/21 Oxygen Sensor Circuit Slow Response	
	(Bank 1[Sensor 1)	

DTC | P0153/28 Oxygen Sensor Circuit Slow Response (Bank 2 Sensor 1)

CIRCUIT DESCRIPTION

Refer[lo[DTC[P0125/91[\phon[\page[DI-50.

DTC[No.	DTC[Detecting[Condition	Trouble[A rea
P0133/21 P0153/28	from@ich@lean,@r@rom@ean@o@ich,@s 1.1@ec.@r@nore@uring idling@fter@engine@s@varmed@up@2@rip@detection@ogic)	Den frighort in faxygen is ensor fricuit Daygen is ensor Air induction is ystem Fuel fressure Injector Engine FCU

HINT:

- •□ Bank Trefers to bank that includes cylinder No.1.
- Bank[2]refers[to]bank[that[d]oes[n]ot[in]clude[c]ylinder[No.1.
- Sensor Trefers to the Sensor Coser to the Engine Dody.

WIRING DIAGRAM

Refer[]0DTC[]P0125/91[]on[]page[]DI-50.

INSPECTION PROCEDURE

When using hand-held ester:

HINT:

Read freeze frame [data] using [hand-held [tester.] Because freeze frame freeze frame from the [help alfunction] when the [halfunction] between the frame from the frame from the frame from the frame from the frame frame frame from the frame frame

1 Are there any other codes (besides DTC P0133 or P0153) being output?

YES

Go[to[relevant[DTC[chart[See[page[DI-15])]]

NO

2

Check output voltage of oxygen sensor during idling.

PREPARATION:

Warm up the oxygen sensor with the engine speed at 2,500 rpm for approx. 90 sec.

LEXUS[LS430] (RM792E)

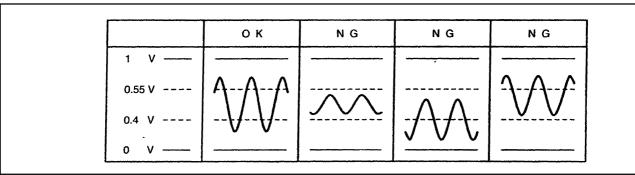
CHECK:

 $Use \cite{the} pand-held \cite{the} ead \cite{the} but put \cite{the} of \cite{the} ead \cite{$

OK:

Oxygen[sensor[output[voltage:

Alternates[repeatedly[between[less[than 0.4] Vand[more[than 0.55] V[See[the[following[table].



OK[] Go[to[step[7

P18349

NG

3 Check for open and short in harness and connector between engine ECU and oxygen sensor (See page IN-35).

NG□

Repair or replace harness or connector.

OK

4 Checkair induction system (See page FI-1).

NG□

Repair or replace.

OK

5∏

Check[fuel[pressure[See[page[FI-5)]]

NG□

Check@nd@epair@uelpump,pressure@egulator, fuelpipe@ine@and@ilter(SeepageFl-1).

ОК

6 | Check[injector[injection[(See[page[FI-18])]]

NG

Replace injector.

OK

Replace oxygen sensor.

7 | Perform confirmation driving pattern (See page DI-55).

GO

8 | Is[there[DTC[P0133]or[P0153]being[output]again?

NO

Check[for[intermittent[problems (See[page[DI-4)]]

YES

Check[and[replace[engine[ECU (See[page[N-35).

When not using hand-held tester:

1 Are there any other codes (besides code 21 or 28) being output?

YES

Go[to[relevant[DTC[chart[See[page[DI-15])]]

NO

Replace oxygen sensor.