DI2U2-02

| DTC□ | P0136/27 | Oxygen[\$ensor[Circuit[Malfunction[(Bank 1 Sensor[2) |
|------|-----------|---|
| DTC□ | P0136/27[|] Oxygen[\$ensor[Circuit[Malfunction[(Bank 1 Sensor[2) |

DTC P0156/29 Oxygen Sensor Circuit Malfunction (Bank 2 Sensor 2)

CIRCUIT DESCRIPTION

Refer $[lo]DTC[P0125/91]\phi n[page]DI-50$.

| DTC[No. | DTC[Detecting[Condition | Trouble[<u>A</u> rea |
|----------------------|--|-----------------------|
| P0136/27 P0156/29 | Voltage@utput@fflhe@xygen[sensor[]bank 1[sensor[2,[bank[2]sensor[2)]]emains[at[0.4]]V[pr]more@r[0.5]V[pr]less[when[]the vehicle[]s[driven[at[30]]km/h[]19]mph)@r[]more@ifter[]the@ingine is[]warmed[]up. | •Oxygen[§ensor |

HINT:

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

WIRING DIAGRAM

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

INSPECTION PROCEDURE

When using hand-held tester

HINT:

Read freeze frame data using hand-held tester. Because freeze frame freeze frame from the malfunction is detected, when trouble shooting it is useful for determining whether the weak from the frame frame from the frame frame frame from the frame frame frame frame frame from the frame fra

1 Are[thereany other codes (besides DTC P0136 or P0156) being output?

YES

Go[to[relevant[DTC[chart[See[pageDi-15]]]]

NO

| | DIAGNOSTICS∏ – ENGINE | | |
|--------|--|--|--|
| | <u> </u> | | |
| 2 | Check[for[open@and[short[]n[harness@and[connector[between[engine[ECU@and oxygen[sensor[(See[page[]N-35). | | |
| | | | |
| | NG Repair or replace harness or connector. | | |
| ОК | | | |
| 3[] | Check[the[output[voltage[of[oxygen[sensor[(bank 1,[2[sensor[2). | | |
| PRFPAI | RATION: | | |
| (a) | onnect[the[hand-held[tester[to[the[DLC3. ter[warming[up[the[engine,[face[engine[at[2,500[fpm[for[3[min. <u>:</u> | | |
| | oltage@utput@f@xygen@sensor@bank 1@sensor@2,@bank@@sensor@)@when@ngine@suddenly@aced. | | |
| HINT: | | | |
| | [ˈduick[ˈʃacing[do[4,000[ˈpm[̞β[min.[using[accelerator[þedal. | | |
| OK: | | | |
| O | kygen[sensor[output[voltage:[Alternates[from[0.4[V[or[]ess[to[0.5[V[or[]more. | | |
| | OK ☐ Check ☐ that ☐ each ☐ connector ☐ is ☐ properly ☐ connected. | | |
| NG | | | |
| Repla | ce[oxygen[sensor. | | |
| When | [hot[using[hand-held[tester: | | |
| 1[] | Are[there@any[other[codes[(besides[code[27]or[29)[being[output? | | |
| | YES Go to relevant diagnostic trouble code chart (See page DI-15). | | |
| NO | | | |

LEXUS[LS430] (RM792E)

Replace oxygen sensor.