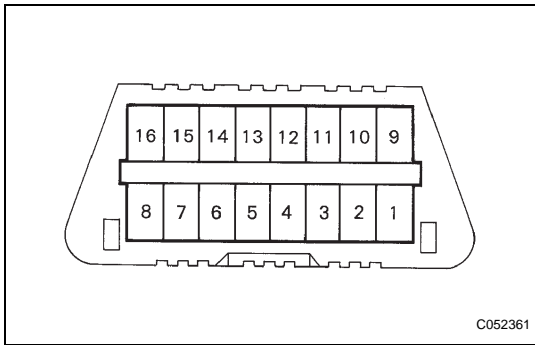


DIAGNOSIS SYSTEM



1. CHECK THE DLC3

- (a) The air conditioning amplifier uses CAN and ISO 9141-2 for communication protocol. The terminal arrangement of the DLC3 complies with SAE J1962 and matches the ISO 9141-2 format.

Symbols (Terminal No.)	Terminal Description	Condition	Specified Condition
SILO (7) - SG (5)	Bus "+" line	During transmission	Pulse generation
CG (4) - Body ground	Chassis ground	Always	Below 1 Ω
SG (5) - Body ground	Signal ground	Always	Below 1 Ω
BAT (16) - Body ground	Battery positive	Always	11 to 14 V
CANH (6) - CANL (14)	HIGH-level CAN bus line	Ignition switch off	54 to 67 Ω
CANH (6) - Battery positive	HIGH-level CAN bus line	Ignition switch off	1 MΩ or higher
CANH (6) - CG (4)	HIGH-level CAN bus line	Ignition switch off	3 KΩ or higher
CANL (14) - Battery positive	LOW-level CAN bus line	Ignition switch off	1 MΩ or higher
CANL (14) - CG (4)	LOW-level CAN bus line	Ignition switch off	3 KΩ or higher

AC

HINT:

If the display shows a communication error message after connecting the intelligent tester cable to the DLC3 and turning the ignition switch to the ON position, there is a problem either with the vehicle or the tester.

- If communication is normal when connecting the tester to another vehicle, inspect the DLC3 on the original vehicle.
- If communication is still not possible when connecting the tester to another vehicle, the problem is probably in the tester itself. Consult the Service Department listed in the tester's operator's manual.

DTC CHECK / CLEAR

1. DTC CHECK USING INTELLIGENT TESTER

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Turn the tester ON.
- (d) Enter the following menu items: DIAGNOSIS / OBD/ MOBD / DTC INFO / CURRENT CODES.

HINT:

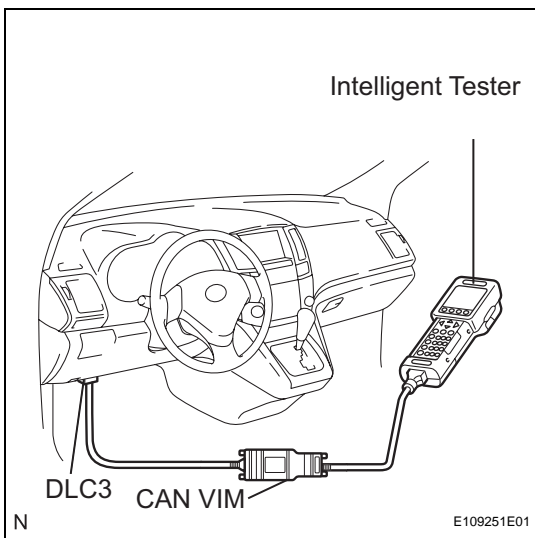
Refer to the intelligent tester operator's manual for further details.

- (e) Check the details of the DTCs.
- (f) Clear the DTCs.

HINT:

After repairing the malfunctions, clear the DTC.

- (1) Connect the intelligent tester to the DLC3.
- (2) Turn the ignition switch ON.



- (3) Enter the following menu items: DIAGNOSIS / OBD/MOBD / DTC INFO / CLEAR CODES.

HINT:

Refer to the intelligent tester operator's manual for further details.

- (4) Press the YES button.

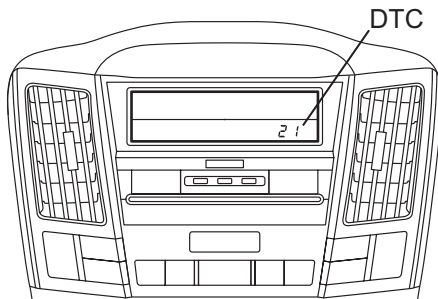
2. DTC CHECK (SENSOR CHECK)

- (a) After the indicator check is completed, the system enters the DTC check mode automatically.
- (b) Read the codes displayed on the panel. Refer to the list of codes when reading the codes. (Trouble codes are output on the temperature display.)

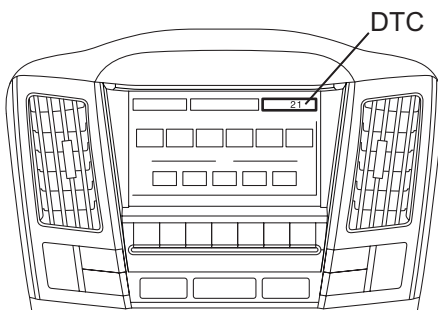
HINT:

Refer to the DTC chart (Diagnostic Trouble Code chart) for details of the codes (See page [AC-26](#)).

w/o LEXUS Navigation System:



w/ LEXUS Navigation System:

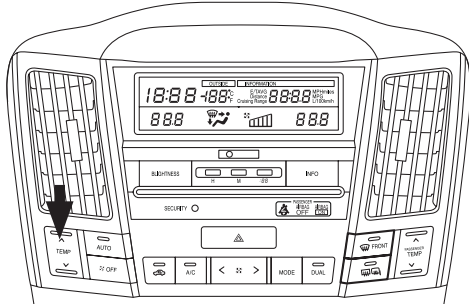


N

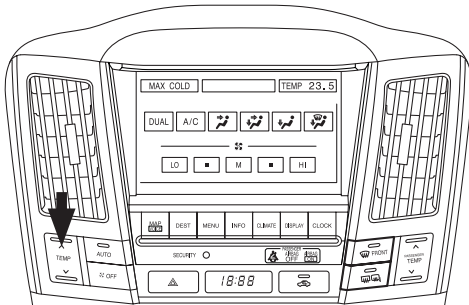
E109250E01

AC

w/o LEXUS Navigation System:



w/ LEXUS Navigation System:

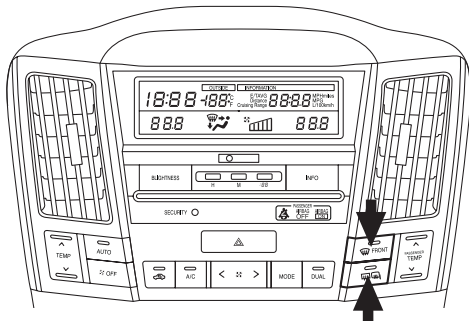


N

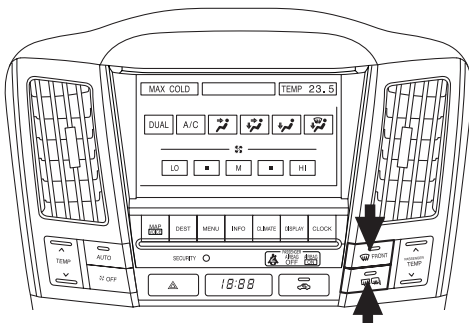
E109231E05

- (c) If the slower display is desired, press the "UPDr" switch and change it to the operation. Each time the "UPDr" switch is pressed, the display changes by 1 step.

w/o LEXUS Navigation System:



w/ LEXUS Navigation System:



N

E109231E06

- (d) Clear the DTCs.
HINT:
After repairing the malfunctions, clear the DTC.
(1) During sensor check, press the "Fr. DEF" switch and "Rr. DEF" switch at the same time.