

HOW TO PROCEED WITH TROUBLESHOOTING

The intelligent tester can be used in steps 2, 5, 6, 7 and 10.

1 VEHICLE BROUGHT TO WORKSHOP

NEXT

AC

2 CHECK AND CLEAR DTCS

NEXT

3 PROBLEM SYMPTOM CONFIRMATION



SYMPTOM DOES NOT OCCUR (GO TO STEP 4)



SYMPTOM OCCURS (GO TO STEP 5)

4 SYMPTOM SIMULATION

NEXT

5 CHECK BODY MULTIPLEX COMMUNICATION SYSTEM

(a) Check for DTC outputs.



MULTIPLEX DTC OUTPUT (PROCEED TO "BODY MULTIPLEX COMMUNICATION SYSTEM")



NO MULTIPLEX DTC (GO TO STEP 6)

6 CHECK CAN COMMUNICATION SYSTEM

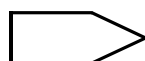


CAN DTC OUTPUTS (PROCEED TO "CAN COMMUNICATION SYSTEM")



NO CAN DTC (GO TO STEP 7)

7 DTC CHECK (OTHER THAN MULTIPLEX DTC)



TROUBLE CODE (GO TO STEP 8)



NORMAL SYSTEM CODE (GO TO STEP 9)

8 DTC CHART



GO TO STEP 10

9 PROBLEM SYMPTOMS TABLE

NEXT

AC

10 ACTUATOR CHECK

NEXT

11 CIRCUIT INSPECTION

NEXT

12 TERMINALS OF ECU

NEXT

13 IDENTIFICATION OF PROBLEM

NEXT

14 REPAIR OR REPLACE

NEXT

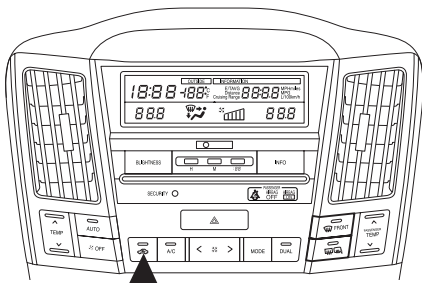
15 CONFIRMATION TEST

NEXT

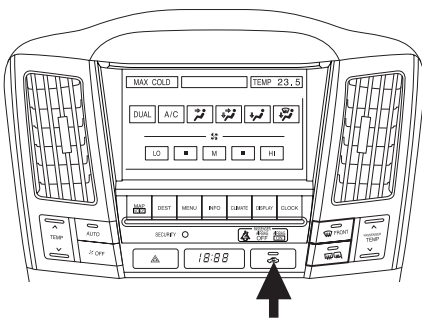
END

ACTUATOR CHECK

w/o LEXUS Navigation System:



w/ LEXUS Navigation System:



AC

1. ACTUATOR CHECK

- (a) After entering the DTC check mode (Sensor Check Mode), press the "R/F" switch.
- (b) At each damper, the motor and relay automatically operate the actuator check at 1 second intervals from step No. 1 to No. 10 continuously, check the temperature and air flow visually and by hand. If the slower display is desired, press the "UPDr" switch and change it to step operation. Each time the "UPDr" switch is pressed, the display changes by 1 step.

HINT:

- Codes are displayed from the smaller to the larger numbers in order.
- To cancel the check mode, press the "OFF" switch.

N

E109231E03

Step No.	Display code	Conditions				
		Blower level	Air flow vent	Air inlet damper	Air mix damper	A/C compressor revolution speed (rpm)
1	0	0	FACE (0%)	FRESH (109%)	"COOL" side (-5%)	0
2	1	1	FACE (0%)	FRESH (109%)	"COOL" side (-5%)	0
3	2	17	FACE (0%)	R/F (50%)	"COOL" side (-5%)	8,600
4	3	17	FACE (0%)	RECIRCULATION (-9%)	"COOL" side (-5%)	8,600
5	4	17	B/L (33.5%)	FRESH (109%)	"COOL"/"HOT" (50.0% opened)	8,600
6	5	17	FOOT (AUTO) (53.5%)	FRESH (109%)	"COOL"/"HOT" (50.0% opened)	5,000
7	6	17	FOOT (MANUAL) (53.5%)	FRESH (109%)	"COOL"/"HOT" (50.0% opened)	5,000
8	7	17	FOOT (MANUAL) (53.5%)	FRESH (109%)	"HOT" side (105%)	5,000
9	8	17	F/D (73.5%)	FRESH (109%)	"HOT" side (105%)	5,000
10	9	31	DEF (100%)	FRESH (109%)	"HOT" side (105%)	5,000