

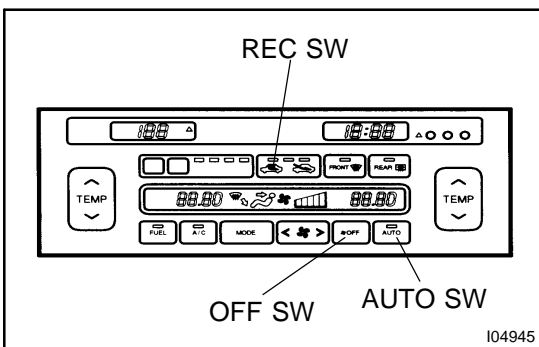
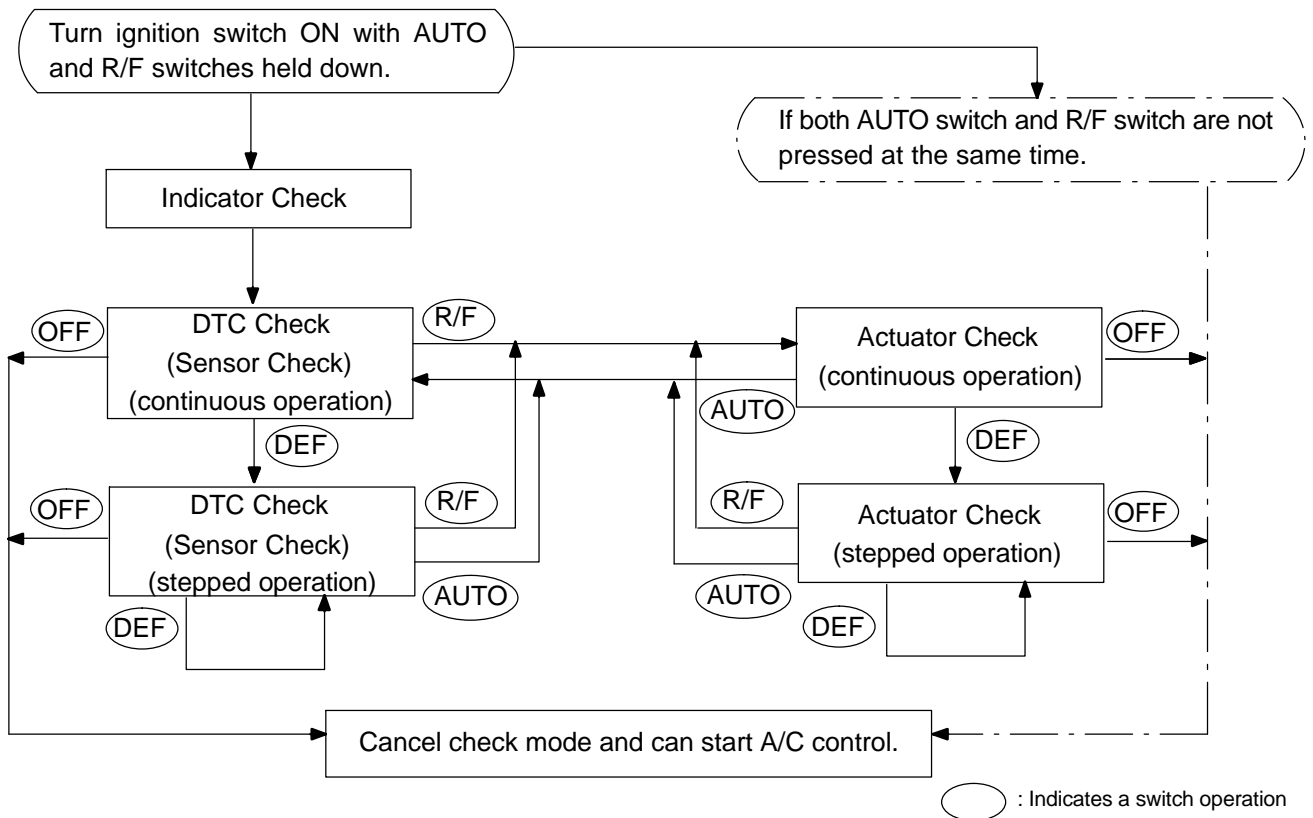
### PRE-CHECK

#### 1. WARNING FOR A/C AIR COMPRESSOR LOCK

If compressor lock occurs during A/C operation, the A/C switch indicator on the A/C control assembly starts blinking. When this occurs, check for compressor lock (trouble code 22) using DTC check then proceed to inspect the circuit or the component. Compressor lock sensor circuit (See page DI-975).

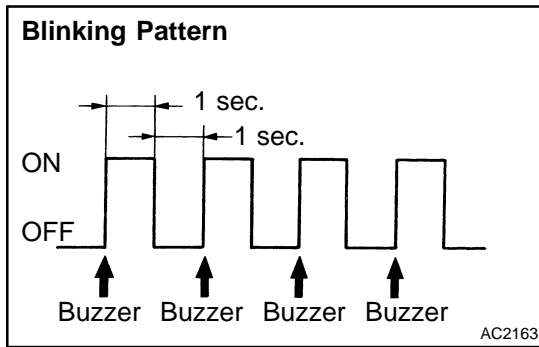
#### 2. LIST OF OPERATION METHODS

By operating each of the A/C control switches, as shown in the diagram below, it is possible to enter the diagnosis check mode.



#### 3. INDICATOR CHECK

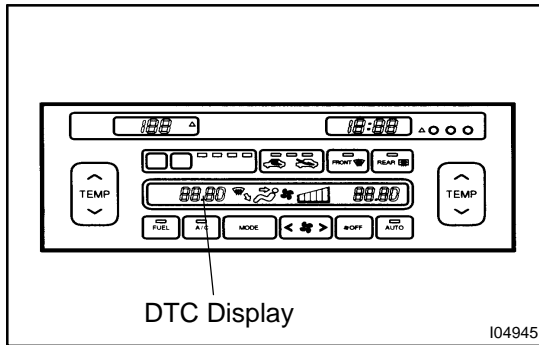
- (a) Turn the ignition switch ON while pressing the A/C control AUTO switch and REC switch simultaneously.



- (b) Check that all the indicators light up and go off at 1 second intervals 4 times in succession.
- (c) Check that the buzzer sounds when the indicators light up in 2.

**HINT:**

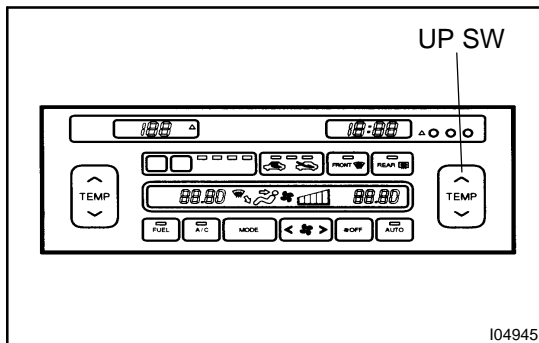
- After the indicator check is ended, the diagnostic trouble code check begins automatically.
- Press the OFF switch when cancelling the check mode.



**4. DTC CHECK (SENSOR CHECK)**

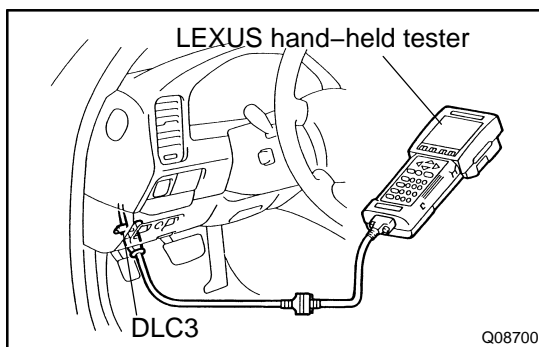
- (a) Perform an indicator check. After the indicator check is completed, the system enters the DTC check mode automatically.
- (b) Read the code displayed on the panel. Refer to the list of codes on page DI-947 when reading the trouble codes. (Trouble codes are output at the temperature display.)

**If the slower display is desired, press the UP switch and change it to step operation. Each time the UP switch is pressed, the display changes by 1 step.**



**HINT:**

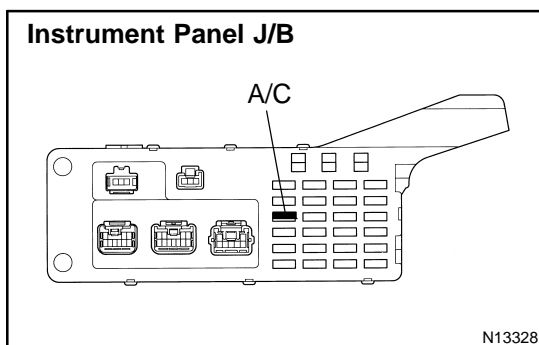
- If the buzzer sounds when a trouble code is being read, it means the trouble indicated by that trouble code continues to occur.
- If the buzzer does not sound when a trouble code is being read, it means the trouble indicated by that trouble code occurred earlier (such as poor connector contacts, etc.).



**5. DTC CHECK USING LEXUS HAND-HELD TESTER**

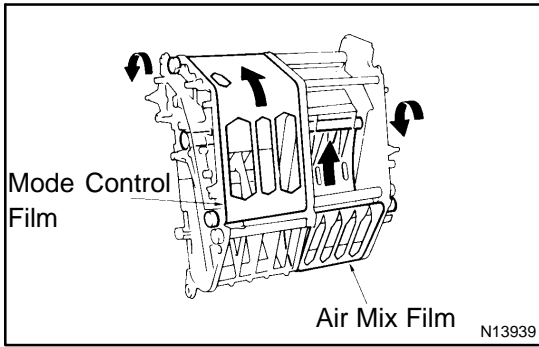
- (a) Hook up the LEXUS hand-held tester to the DLC3.
- (b) Read the DTC the following the prompts on the tester screen.

Please refer to the LEXUS hand-held tester operator's manual for further details.



**6. CLEARING DTC**

- (a) Pull out the A/C fuse in Instrument Panel J/B for 60 secs. or longer to clear the DTC memory.
- (b) After reinserting the fuse, check that the normal code is output.



**7. INITIALIZING**

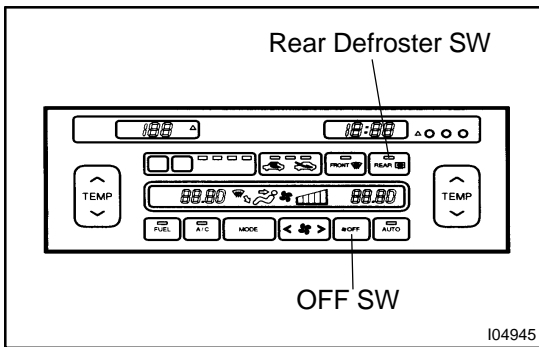
After the repair is completed, initializing involves setting the air mix film and mode control film to initial position. This requires that each film is completely rewound the air mix film to the cool side, the mode control film to the FACE side.

This position is then memorized by the A/C control assembly as the standard position.

**Initializing Procedure  
(Automatic initializing)**

Occurs when:

- The battery is connected and the ignition switch is first turned from OFF to ON.
- From the above condition the ignition switch is turned from ON to OFF.
- The A/C control assembly has detected battery voltage reduction 30 times, and 60 secs. has elapsed since the ignition switch was turned from ON to OFF.

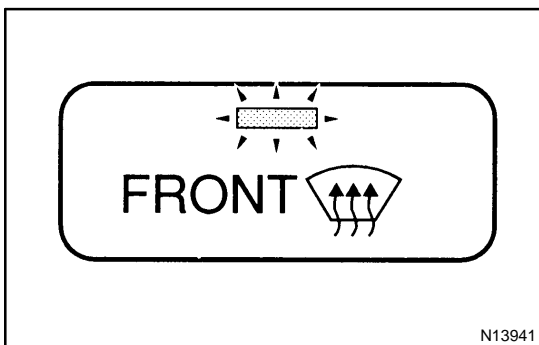


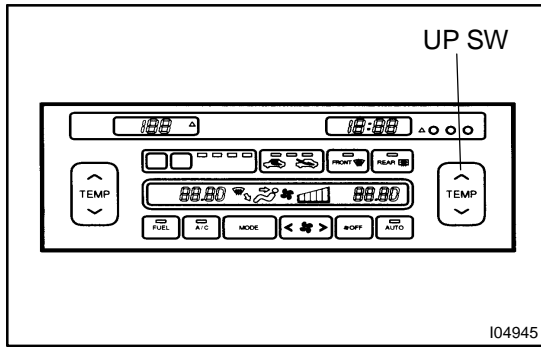
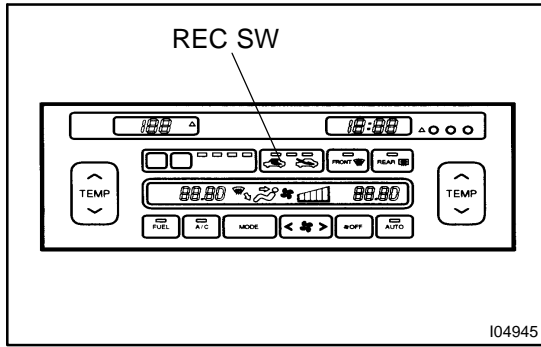
**(Compulsory initializing)**

- Occurs when the rear defroster switch and OFF switch in the A/C control panel are being pushed while the ignition switch is turned from OFF to ON.

**HINT:**

- The front defroster indicator lights up during initializing, regardless of whether it is automatic or compulsory initialization.





**8. ACTUATOR CHECK**

- (a) After entering the sensor check mode, press the REC switch.
- (b) Since each damper, motor and relay automatically operates at 1 sec. intervals beginning in order from 20 in the temperature display, check the temperature and air flow visually and by hand.

If the slower display is desired, press the UP switch and change it to step operation. Each time the UP switch is pressed, the display changes by 1 step.

**HINT:**

- The buzzer sounds when the display trouble code changes.
- Code are displayed in order from the smaller to the larger numbers.
- To cancel the check mode, press the OFF switch.

Step No.	Display Code	Conditions							
		Blower motor	Air flow vent	Max. cool damper	Air inlet damper	Magnetic clutch	Air mix damper	Water valve	Rear A/C
1	0	OFF	FACE	100% open	FRESH	OFF	Cool side (0% open)	SHUT	OFF
2	1	1	↑	↑	↑	↑	↑	↑	LO A/P
3	2	17	↑	↑	F/R	ON	↑	↑	HI A/P
4	3	↑	↑	0% open	RECIRC	↑	↑	OPEN	HI A/C
5	4	↑	BI-LEVEL	↑	FRESH	↑	Cool / Hot (50% open)	↑	↑
6	5	↑	↑	↑	↑	↑	↑	↑	LO A/C
7	6	↑	FOOT	↑	↑	↑	↑	↑	OFF
8	7	↑	↑	↑	↑	↑	Hot side (100% open)	↑	↑
9	8	↑	FOOT/DEF	↑	↑	↑	↑	↑	↑
10	9	31	DEF	↑	↑	↑	↑	↑	↑