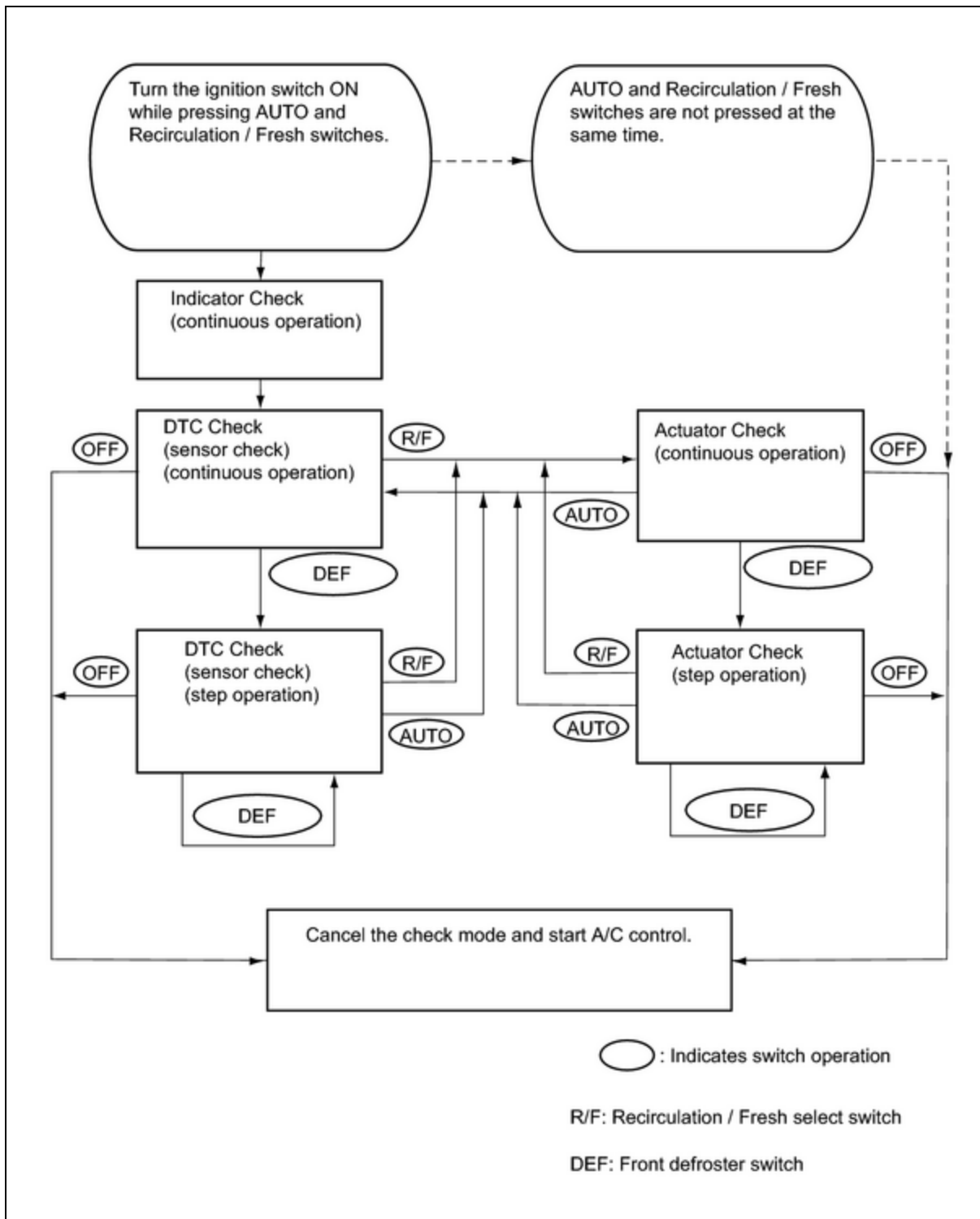


Last Modified: 11-07-2019	6.9:8.0.49	Doc ID: RM000000T8Q014X
Model Year Start: 2008	Model: 4Runner	Prod Date Range: [07/2007 -]
Title: AIR CONDITIONING: AIR CONDITIONING SYSTEM: CHECK MODE PROCEDURE; 2008 MY 4Runner [07/2007 -]		

CHECK MODE PROCEDURE

1. LIST OF OPERATION METHODS

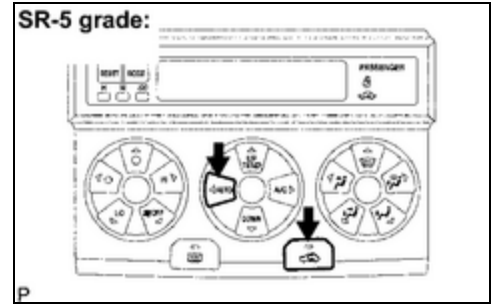
- (a) By operating each of the A/C control switches as shown in the diagram below, it is possible to enter the diagnostic check mode.



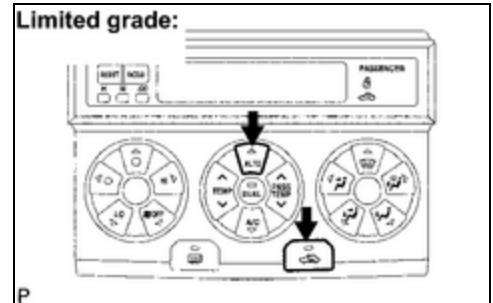
2. INDICATOR CHECK

- Turn the ignition switch off.
- Turn the ignition switch on while pressing the A/C control "AUTO" switch and "R/F" switch simultaneously.

(1) SR-5 grade:



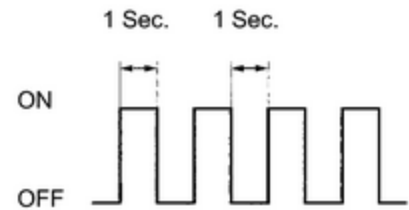
(2) Limited grade:



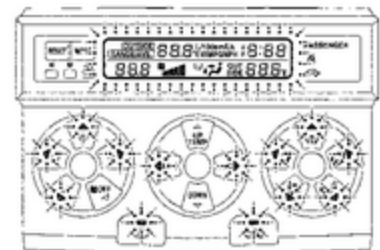
- (c) The indicator check is automatically performed when panel diagnosis is activated. Check that the indicators light up and go off at 1 second intervals 4 times in succession.

HINT:

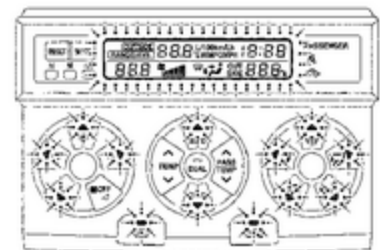
- The sensor check automatically starts when the indicator check is completed.
- Press the "OFF" switch to cancel the check mode.
- If a navigation system is installed, the indicator will blink and the buzzer will sound.



SR-5 grade:



Limited grade:



3. DTC CHECK (SENSOR CHECK)

- Start the engine and warm it up.
- Perform the indicator check.

HINT:

After the indicator check is completed, the system enters the DTC check mode automatically.

(c) Push the "R/F" switch to perform the actuator check.

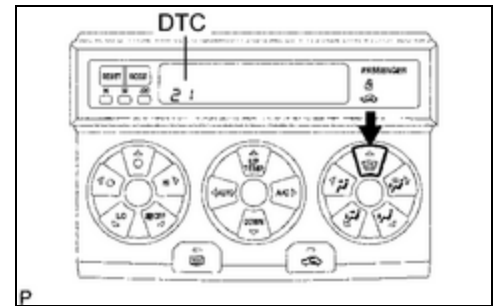
NOTICE:

- In the sensor check mode, which is automatically transferred from the indicator check mode, troubleshooting may be partially performed. Be sure to perform the actuator check, and then the sensor check again.
- If the check is performed in a dark place, DTC 21, 24 may be displayed.

HINT:

When there are no problems, DTC 00 is output.

(d) If the steps are difficult to read because they change automatically, push the "FRONT DEF" switch to display the steps one at a time so that they can be read easily. The items are displayed step by step each time the "FRONT DEF" switch is pushed.



(e) Read the code displayed on the panel.

HINT:

Refer to the DTC chart (Diagnostic Trouble Code chart) for details of the codes [INFO](#).

- Push the "OFF" switch to finish panel diagnosis.
- Push the "R/F" switch to enter the actuator check mode.

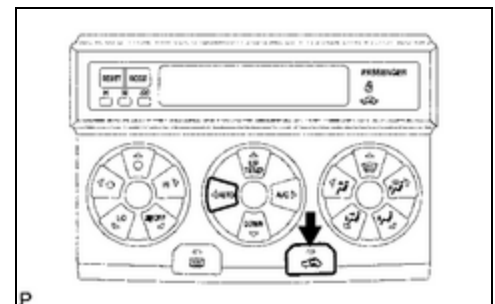
4. ACTUATOR CHECK

- (a) Start the engine and warm it up.
- (b) Perform the indicator check.

(c) Push the "R/F" switch to perform the actuator check.

HINT:

Be sure to perform the actuator check after starting the engine.

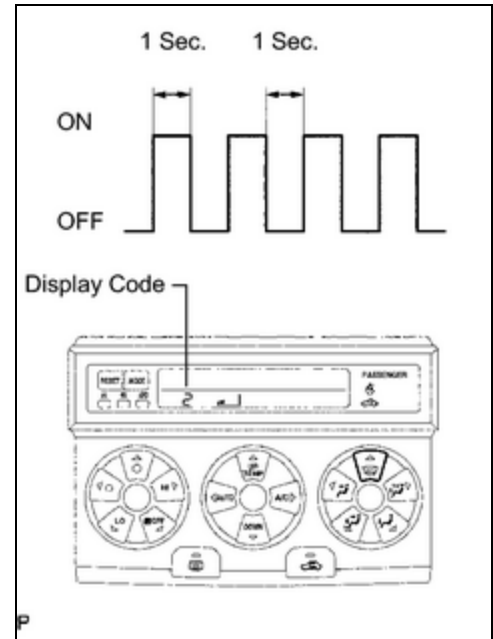


(d) As the actuator check is repeated from steps 1 to 10 at 1 second intervals, check the temperature and air flow visually and by hand.

HINT:

- The display blinks at 1 second intervals in the step operation.
- Push the "OFF" switch to finish panel diagnosis.
- Push the "AUTO" switch to enter the sensor check mode.

STEP NO.	DISPLAY CODE	CONDITIONS				
		BLOWER LEVEL	AIR FLOW VENT	AIR INLET DAMPER	MAGNETIC CLUTCH	AIR MIX DAMPER
1	0	0	FACE	RECIRCULATION	OFF	"COLD" side (Fully closed)
2	1	1	FACE	RECIRCULATION	OFF	"COLD" side (Fully closed)
3	2	17	B/L	FRESH/ RECIRCULATION	ON	"COLD" side (Fully closed)
4	3	17	B/L	FRESH/ RECIRCULATION	ON	"COLD"/ "HOT" (50 % open)
5	4	17	FOOT	FRESH	ON	"COLD"/ "HOT" (50 % open)
6	5	17	FOOT	FRESH	ON	"COLD"/ "HOT" (50 % open)
7	6	17	FOOT	FRESH	ON	"HOT" side (Fully opened)
8	7	17	FOOT/ DEF	FRESH	ON	"HOT" side (Fully opened)
9	8	17	FOOT/ DEF	FRESH	ON	"HOT" side (Fully opened)



STEP NO.	DISPLAY CODE	CONDITIONS				
		BLOWER LEVEL	AIR FLOW VENT	AIR INLET DAMPER	MAGNETIC CLUTCH	AIR MIX DAMPER
10	9	31	DEF	FRESH	ON	"HOT" side (Fully opened)

(e) If the steps are difficult to read because they change automatically, push the "FRONT DEF" switch to display the steps one at a time so that they can be read easily. The items are displayed step by step each time the "FRONT DEF" switch is pushed.

HINT:

- Push the "OFF" switch to finish the panel diagnosis.
- Push the "AUTO" switch to enter the sensor check mode.

