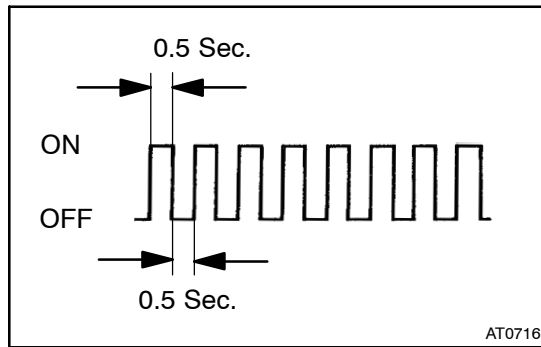


PRE-CHECK

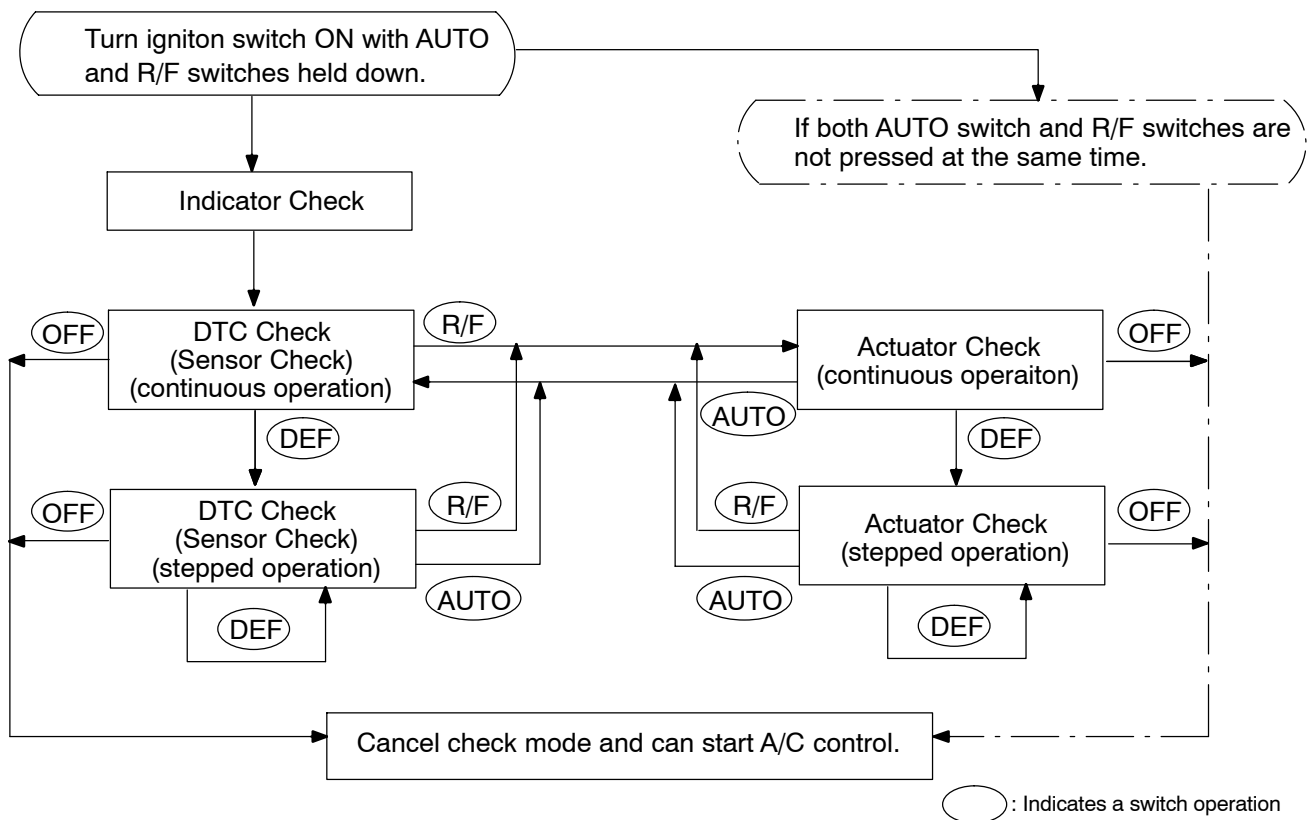


1. WARNING FOR A/C COMPRESSOR LOCK

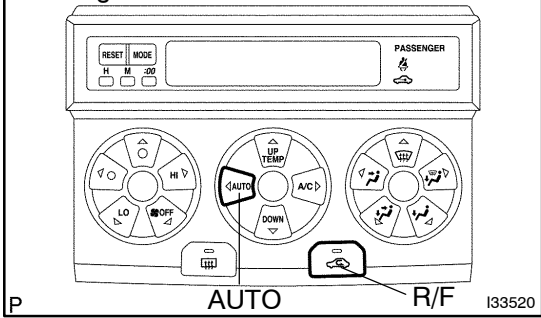
- (a) If the compressor lock occurs during A/C operation, the A/C switch indicator on the A/C control panel starts blinking. When this occurs, check for compressor lock (DTC 22) using diagnosis trouble code. And then proceed to inspect the circuit or the component.
Compressor lock sensor circuit → (See page 05-1172)

2. 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 diagnosis check mode.



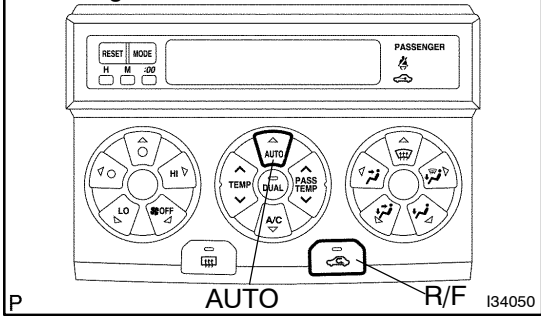
SR-5 grade:



3. INDICATOR CHECK

- (a) Turn the ignition switch to ON while pressing the A/C control "AUTO" switch and "R/F" switch simultaneously.

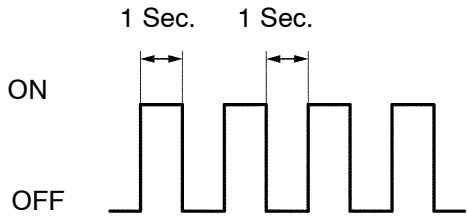
Limited grade:



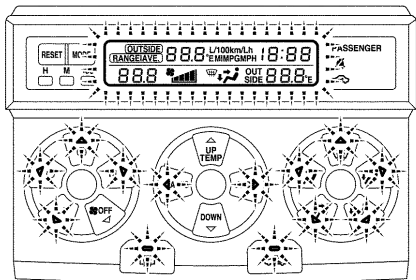
- (b) Check that the indicators come on and go off 4 times at 1 second intervals in succession.

HINT:

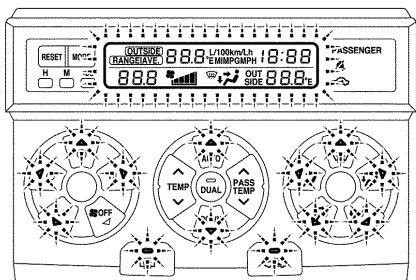
- After the indicator check is completed, the system enters the DTC automatically.
- Press the OFF switch when canceling the check mode.

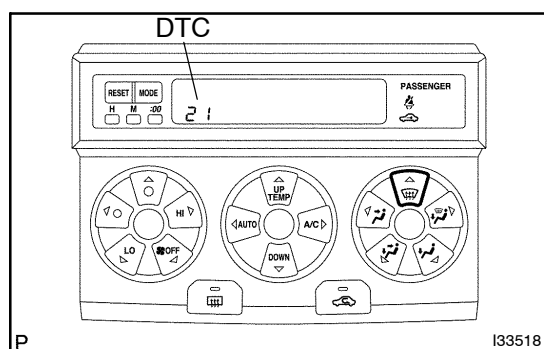


SR-5 grade:



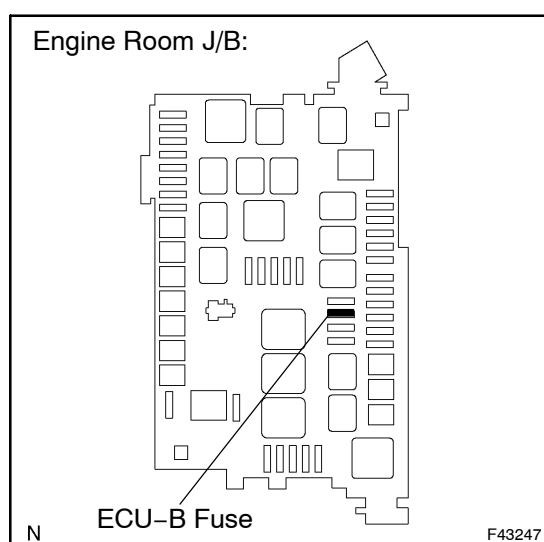
Limited grade:





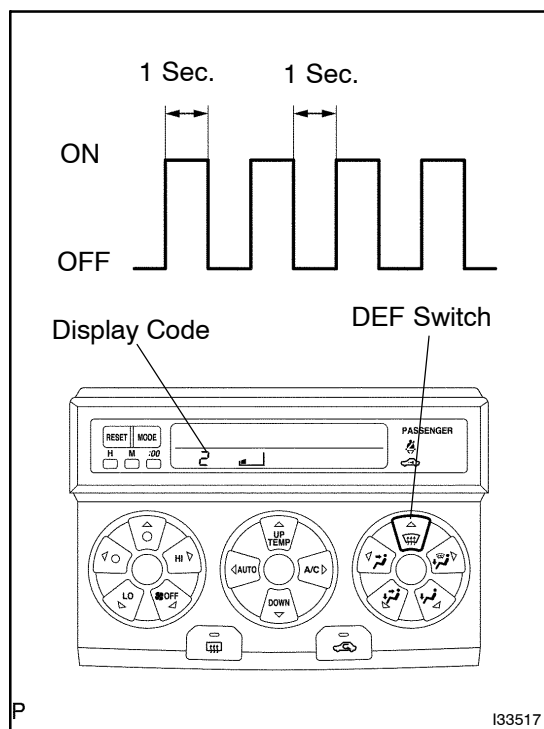
4. DTC CHECK (SENSOR CHECK)

- (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 05-1145 when reading the codes. (Trouble codes are output on the temperature display.)
- (c) If the slower display is desired, press the FRONT DEF switch and change it to stepped operation. Each time the FRONT DEF switch is pressed, the display changes by 1 step.



5. CLEARING DTC

- (a) Clear DTC memory by one of the following methods.
 - (1) Method 1:
During the sensor check, press "DEF" switch and "REAR DEF" switch at the same time.
 - (2) Method 2:
Pull the ECU-B fuse in the engine room J/B for 20 sec. or longer.



6. ACTUATOR CHECK

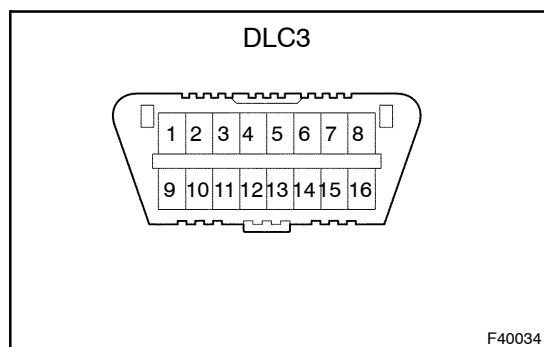
- After entering the DTC check mode (Sensor Check Mode), press the R/F switch.
- Since each damper, motor and relay automatically operates at 1 sec. intervals beginning in order from 10 in the temperature display, check the temperature and air flow visually and by hand.

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

HINT:

- 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 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)
10	9	31	DEF	FRESH	ON	"HOT" side (Fully opened)



7. DIAGNOSIS SYSTEM

(a) Check DLC3.

The vehicle's ECM uses ISO 9141-2 for communication. The terminal arrangement of DLC3 complies with SAE J1962 and matches the ISO 9141-2 format.

Terminal No	Connection/Voltage or Resistance	Condition
4	Chassis Ground – Body Ground/1 Ω or less	Always
16	Battery Positive – Body Ground/9 – 14 V	Always

HINT:

If your display shows **UNABLE TO CONNECT TO VEHICLE** when you have connected the cable of the hand-held tester to the DLC3, turned the ignition switch ON and operated the scan tool, there is a problem on the vehicle side or tool side.

- If the communication is normal when the tool is connected to another vehicle, inspect the DLC3 on the original vehicle.
- If the communication is still impossible when the tool is connected to another vehicle, the problem is probably in the tool itself, so consult the Service Department listed in the tool's instruction manual.

8. DATA LIST

HINT:

By the DATA LIST displayed by the Hand-held tester, you can read the value of the switch, sensor, actuator, etc. Without removing any parts. Reading the DATA LIST as a first step of troubleshooting is one of the method to shorten the labor time.

- Connect the Hand-held tester to the DLC3.
- Turn the ignition switch ON.
- According to the display on tester, read the "DATA LIST".

Item	Measurement Item/Range (Display)	Normal Condition	Diagnostic Note
A/C SIG	A/C signal/ ON, OFF	–	–
A/C CUT SIG	A/C cut signal/ ON, OFF	–	–