

Inspection Mode

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

10. Inspection Mode

A: PROCEDURE

It is possible to diagnose the DTC by performing the indicated inspection mode. After correcting the DTC, perform a necessary inspection mode and make sure that the function is resumed correctly and the DTC is recorded.

1. PREPARATION FOR THE INSPECTION MODE

- 1) Perform the Clear Memory Mode.
- 2) Read the DTC and check that the DTC is not displayed.

NOTE:

If the DTC is displayed on the screen, the trouble is still present. Perform the diagnosis according to DTC. After solving the DTC, repeat from step 1).

2. INSPECTION MODE 1

DTC	Item	Note
B1430	Room Temperature Sensor Circuit Wire Break	—
B1431	Room Temperature Sensor Circuit Short-Circuit	—
B1432	Outside Air Sensor Circuit Wire Break (Air-Conditioning)	—
B1433	Outside Air Sensor Circuit Short-Circuit (Air-Conditioning)	—
B1434	Ambient Temperature Sensor Circuit Wire Break	—
B1435	Evaporator Sensor Circuit Short-Circuit	—
B14E1	Air Mix Door Actuator Stepping Motor Circuit Wire Break (Driver's Seat)	—
B14E2	Air Mix Door Actuator Stepping Motor Circuit Short-Circuit (Driver's Seat)	—
B14E3	Air Mix Door Actuator Stepping Motor Circuit Wire Break (Passenger's Seat)	—
B14E4	Air Mix Door Actuator Stepping Motor Circuit Short-Circuit (Passenger's Seat)	—
B14E5	Mode Door Actuator Stepping Motor Circuit Wire Break	—
B14E6	Mode Door Actuator Stepping Motor Circuit Short-Circuit	—
B14E9	Intake Door Actuator Potentiometer Circuit Wire Break	—
B14EA	Intake Door Actuator Potentiometer Circuit Short-Circuit	—
B14EB	Intake Door Actuator Lock	—
U0073	Control Module Communication Bus Off	—
U0100	Lost Communication With ECM/PCM "A"	—
U0101	Lost Communication With TCM	—
U0122	Lost Communication With Vehicle Dynamics Control Module	—
U0140	Lost Communication With Body Control Module	—
U0155	Lost Communication With Instrument Panel Cluster (IPC) Control Module	—
U0401	Invalid Data Received From ECM/PCM "A"	—
U0402	Invalid Data Received From TCM	—
U0416	Invalid Data Received From Vehicle Dynamics Control Module	—
U0422	Invalid Data Received From Body Control Module	—
U0423	Invalid Data Received From Instrument Panel Cluster Control Module	—

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Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to AC(diag)-38, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection Mode.>
- 2) Turn the ignition switch to ON and then leave it for 1 second or more.
- 3) Read the DTC and check that the DTC is not displayed.

NOTE:

If the DTC is displayed on the screen, the trouble is still present. Perform the diagnosis according to DTC.

3. INSPECTION MODE 2

DTC	Item	Note
B14A1	Sunload Sensor Circuit Open	—
B14A2	Sunload Sensor Circuit Short	—

Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to AC(diag)-38, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection Mode.>
- 2) Park the vehicle in the place subjected to direct sunlight.
- 3) Turn the ignition switch to ON and then leave it for 1 second or more.
- 4) Read the DTC and check that the DTC is not displayed.

NOTE:

If the DTC is displayed on the screen, the trouble is still present. Perform the diagnosis according to DTC.