

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) Check that the battery voltage is 12 V or more and fuel remains approx. half [20 — 40 L (5.3 — 10.6 US gal, 4.4 — 8.8 Imp gal)].
- 2) Perform the Clear Memory Mode.
- 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. After solving the DTC, repeat from step 2).

2. INSPECTION MODE 1

DTC	Item	Note
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”	—
U0422	Invalid Data Received From Body Control Module	—
B2271	IGN Fuse Blown or IGN Circuit Abnormal	—
B2274	ACC Monitor	—
B2275	STSW Circuit Abnormal	—
B2276	ACCR Signal Abnormal	—
B2277	Submerging Circuit Abnormal	—
B2285	Steering Lock Position Signal Abnormal	—
B2286	Driving Possible Signal Abnormal	—
B2781	Steering Lock ECU Open/Short	—
B2782	Steering Lock Power Supply Circuit Abnormal (Smart ECU-Side Abnormal)	—
B2785	LIN Communication Error	—
B2786	No Response From Steering Lock ECU	—
B2788	IGN1 Input Abnormal	—
B2789	ID Code Box No Response	—
B278D	ID Code Box Recognition Judgment Abnormal	—

Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to KPS(diag)-35, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection Mode.>
- 2) Start the engine, and let it idle for 40 seconds 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.

Inspection Mode

KEYLESS ACCESS WITH PUSH BUTTON START SYSTEM (DIAGNOSTICS)

3. INSPECTION MODE 2

DTC	Item	Note
B1242	Wireless Tuner Abnormal	—

Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to KPS(diag)-35, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection Mode.>
- 2) Turn the ignition switch to OFF and then leave it for 10 seconds 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.

4. INSPECTION MODE 3

DTC	Item	Note
B2779	Remote Control Engine Starter Communication Collation NG	—

Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to KPS(diag)-35, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection Mode.>
- 2) Register the remote engine starter, and operate it.
- 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.

5. INSPECTION MODE 4

DTC	Item	Note
B2784	Antenna Coil Fault	—
B2790	ID Code Box Abnormal (EEPROM Abnormal)	—
B27A1	Driver Side External Antenna Output Stage Open	—
B27A2	Passenger Side External Antenna Output Stage Open	—
B27A5	Front Internal Antenna Output Stage Open	—
B27A6	Rear Internal Antenna Output Stage Open	—
B27A7	Trunk/Rear Gate Internal Antenna Output Stage Open	—
B27A8	Trunk/Rear Gate External Antenna Output Stage Open	—

Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to KPS(diag)-35, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection 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.

Inspection Mode

KEYLESS ACCESS WITH PUSH BUTTON START SYSTEM (DIAGNOSTICS)

6. INSPECTION MODE 5

DTC	Item	Note
B2282	Vehicle Speed Signal Abnormal	—
B2283	Vehicle Speed Sensor Fault Detection	—

Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to KPS(diag)-35, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection Mode.>
- 2) Drive for 20 seconds or more at a vehicle speed of 25 km/h (15.5 MPH) 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.

7. INSPECTION MODE 6

DTC	Item	Note
B2784	Antenna Coil Fault	—
B278A	Abnormal Immobilizer Power Supply	—

Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to KPS(diag)-35, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection Mode.>
- 2) Hold the access key that doesn't have a battery over the push button start SW for collation.
- 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.

8. INSPECTION MODE 7

DTC	Item	Note
B2284	Brake Signal (Cable-Information Does Not Match to Bean-Information)	—

Diagnostic procedure:

- 1) Prepare for the inspection mode. <Ref. to KPS(diag)-35, PREPARATION FOR THE INSPECTION MODE, PROCEDURE, Inspection Mode.>
- 2) Turn the ignition switch to ON, depress and hold the brake pedal for 20 seconds or more, then release the brake pedal and wait for 20 seconds 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.