

## List of Diagnostic Trouble Code (DTC)

### CRUISE CONTROL SYSTEM (DIAGNOSTICS)

## 7. List of Diagnostic Trouble Code (DTC)

### A: LIST

DTC	Item	Contents of diagnosis	Reference
11	Main switch	Main switch of cruise control command switch is turned to OFF, and then the cruise control is released.	This DTC is displayed without operating the main switch. <Ref. to CC(ETC)(diag)-14, DTC 11, 15, 21 AND 24 CRUISE CONTROL COMMAND SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
12	Stop light & brake switch	Stop light switch or brake switch is turned to ON, and then the cruise control is released.	This DTC is displayed without depressing the brake pedal. <Ref. to CC(ETC)(diag)-16, DTC 12 AND 25 STOP LIGHT SWITCH AND BRAKE SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
13	Clutch switch	Clutch switch is turned to ON, and then the cruise control is released.	This DTC is displayed without depressing the clutch pedal. <Ref. to CC(ETC)(diag)-18, DTC 13 CLUTCH SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
14	Neutral position switch	Neutral switch is turned to ON, and then the cruise control is released.	This DTC is displayed without shifting to neutral position. <Ref. to CC(ETC)(diag)-20, DTC 14 NEUTRAL POSITION SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
15	Cancel switch	Cancel switch is turned to ON, and then the cruise control is released.	This DTC is displayed without operating the cancel switch. <Ref. to CC(ETC)(diag)-14, DTC 11, 15, 21 AND 24 CRUISE CONTROL COMMAND SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
16	Ignition switch	Ignition switch is turned to OFF, and then the cruise control is released.	This DTC is displayed without operating the ignition switch. <Ref. to CC(ETC)(diag)-23, DTC 16 IGNITION SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
21	Cruise control switch malfunction when ignition switch is turned to ON	When the ignition switch is turned to ON, each switch of cruise control command switch is already turned to ON.	This DTC is displayed without operating the main switch. <Ref. to CC(ETC)(diag)-14, DTC 11, 15, 21 AND 24 CRUISE CONTROL COMMAND SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
22	Vehicle speed variation is abnormal.	Malfunction of vehicle speed signal variation is detected.	<Ref. to CC(ETC)(diag)-24, DTC 22 AND 32 VEHICLE SPEED SENSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
23	Engine-related sensor is abnormal.	Malfunction related to the engine is detected.	<Ref. to EN(H4DOTC)(diag)-2, Basic Diagnostic Procedure.>
24	Cruise control-related switch is abnormal.	Command switch malfunction is detected. (While the switch is pressed ON for an abnormally long time (approximately two minutes), open circuit is detected.)	This DTC is displayed with normal operation. <Ref. to CC(ETC)(diag)-14, DTC 11, 15, 21 AND 24 CRUISE CONTROL COMMAND SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
25	Brake switch input circuit is abnormal.	Malfunction of brake switch input circuit in ECM is detected.	<Ref. to CC(ETC)(diag)-16, DTC 12 AND 25 STOP LIGHT SWITCH AND BRAKE SWITCH, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
31	Engine speed signal	<ul style="list-style-type: none"> <li>Abnormal increase of engine speed is detected.</li> <li>Gear is placed in Neutral, 1st or Reverse position.</li> </ul>	Cruise in more than 2nd shift position.

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## CRUISE CONTROL SYSTEM (DIAGNOSTICS)

DTC	Item	Contents of diagnosis	Reference
32	Out of vehicle speed range of cruise control operation	<ul style="list-style-type: none"><li>Controlled vehicle speed decreased under the limit during cruising.</li><li>Set operation was performed at vehicle speed unavailable for setting.</li><li>RESUME operation was performed without memorized vehicle speed.</li></ul>	This DTC is displayed even though set operation was repeated after increasing vehicle speed to a cruise possible speed. <Ref. to CC(ETC)(diag)-24, DTC 22 AND 32 VEHICLE SPEED SENSOR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
33	Prohibition of WAIT after acceleration operation.	Controlled vehicle speed increased above the limit during cruising.	This DTC is displayed when driving at higher speed than appropriate cruise control speed. In this case, lower the vehicle speed to the speed available for cruise set, and perform cruise set operation again.
34	Prohibition when accelerator position is continued to be large.	The vehicle has been driven at higher speed than set vehicle speed for an abnormally long time (approximately 10 minutes) during cruise driving.	This DTC is displayed when driving for a long period of time at higher speed than the cruise set vehicle speed by operating the accelerator pedal. In this case, the cruise setting is deactivated.
35	Prohibition when vehicle speed feedback is impossible.	Set vehicle speed cannot be kept because of some reasons (steep uphill, parking brake, abnormal decrease of engine output, etc.) during cruise driving.	This DTC is displayed when driving condition is not suitable for cruise control. Perform cruise set operation again after clearing the possible cause.