

# Diagnostics with Phenomenon

CRUISE CONTROL SYSTEM (DIAGNOSTICS)

## 6. Diagnostics with Phenomenon

### A: DIAGNOSTIC PROCEDURE WITH PHENOMENON

Phenomenon	Checking item	Reference	
1	Cruise control main switch is not turned to ON. (Cruise indicator light does not illuminate.)	(1) Check the cruise indicator light. (2) Check the cruise control command switch.	<Ref. to CC(diag)-11, CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT., Diagnostics with Phenomenon.> <Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-20, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-22, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-23, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
	2	Cruise control cannot be set.	(1) Check the cruise control command switch. (2) Check stop light switch and brake switch. (3) Check the neutral position switch. (4) Check vehicle speed sensor.
3		Cruise set indicator light does not illuminate.	Check the cruise set indicator light. <Ref. to CC(diag)-11, CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT., Diagnostics with Phenomenon.>
4		Vehicle speed is not held within set speed $\pm 3$ km/h ( $\pm 2$ MPH).	Check the vehicle speed sensor. <Ref. to CC(diag)-22, DTC 22, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-23, DTC 32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 63, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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Phenomenon		Checking item	Reference
5	Vehicle speed does not increase or does not return to set speed after RESUME/ACCEL switch has been pressed.	Check the RESUME/ACCEL switch.	<Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-20, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-22, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-23, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
6	Vehicle speed does not decrease after SET/COAST switch has been pressed.	Check the SET/COAST switch.	<Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-20, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-22, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-23, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
7	Cruise control is not released after CANCEL switch has been pressed.	Check the CANCEL switch.	<Ref. to CC(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-20, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-22, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-23, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
8	Cruise control is not released after brake pedal has been depressed.	Check the stop light switch and brake switch.	<Ref. to CC(diag)-17, DTC 12, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-23, DTC 25, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 61, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
9	Cruise control is not released after shifting to the neutral position.	Check the neutral position switch.	<Ref. to CC(diag)-19, DTC 14, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(diag)-24, DTC 62, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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## **B: CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT.**

### **TROUBLE SYMPTOM:**

Cruise control can be set, but the cruise indicator light and cruise set indicator light do not illuminate.

Step	Check	Yes	No
<b>1</b> <b>CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT.</b> 1) Perform the self-diagnosis of combination meter. <Ref. to IDI-4, SELF-DIAGNOSIS, INSPECTION, Combination Meter System.> 2) Check the cruise indicator light and cruise set indicator light if they illuminate.	Do the cruise indicator light and cruise set indicator light illuminate?	Go to step 2.	Replace the meter case assembly. <Ref. to IDI-12, Combination Meter.>
<b>2</b> <b>CHECK LAN COMMUNICATION CIRCUIT ERROR DISPLAY</b> 1) Complete self-diagnosis, and turn the ignition switch to ON again. 2) Check if the communication error is displayed on the odo/trip meter in combination meter.	Is the error code "Er xx" displayed on odo/trip meter?	Check the LAN communication circuit. <Ref. to LAN(diag)-2, Basic Diagnostic Procedure.>	Replace the ECM. <Ref. to FU(H6DO)-33, Engine Control Module (ECM).>