

## 8. Diagnostics with Phenomenon

### A: DIAGNOSTIC PROCEDURE WITH PHENOMENON

Phenomenon		Check Item	Note
1	CRUISE switch is not turned ON. (CRUISE indicator does not illuminate.) Or the cruise control is cancelled without CRUISE switch operation.	(1) Perform cruise cancel conditions diagnosis.	Perform the diagnosis according to displayed cancel code.
		(2) Perform the real-time diagnosis.	Check the input signal of cruise control system.
		(3) Check the cruise control command switch.	<Ref. to CC(HEV)(diag)-15, 11, Diagnostic Procedure with Cancel Code.>
		(4) Check the CRUISE indicator.	<Ref. to CC(HEV)(diag)-12, CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT, Diagnostics with Phenomenon.>
2	Cruise control cannot be set. Or cruise control is cancelled without releasing operation.	(1) Perform cruise cancel conditions diagnosis.	Perform the diagnosis according to displayed cancel code.
		(2) Perform the real-time diagnosis.	Check the input signal of cruise control system.
		(3) Check the cruise control command switch.	<Ref. to CC(HEV)(diag)-15, 11, Diagnostic Procedure with Cancel Code.>
		(4) Check stop light switch and brake switch. Check the brake stroke sensor.	<Ref. to BR-74, Stop Light Switch.> <Ref. to CC(HEV)(diag)-17, 12, Diagnostic Procedure with Cancel Code.> <Ref. to HEV(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>
		(5) Check the neutral position switch.	<Ref. to HEV(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>
		(6) Check vehicle speed sensor.	<Ref. to CC(HEV)(diag)-20, 22, Diagnostic Procedure with Cancel Code.>
3	SET indicator does not illuminate.	Check the SET indicator.	<Ref. to CC(HEV)(diag)-12, 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(HEV)(diag)-20, 22, Diagnostic Procedure with Cancel Code.>
5	Vehicle speed does not increase or does not return to set speed after RES/+ switch has been pressed.	(1) Perform the real-time diagnosis.	Check the input signal of cruise control system.
		(2) Check the RES/+ switch.	<Ref. to CC(HEV)(diag)-15, 11, Diagnostic Procedure with Cancel Code.>
6	Vehicle speed does not decrease after SET/- switch has been pressed.	(1) Perform the real-time diagnosis.	Check the input signal of cruise control system.
		(2) Check the SET/- switch.	<Ref. to CC(HEV)(diag)-15, 11, Diagnostic Procedure with Cancel Code.>
7	Cruise control is not released after CANCEL switch has been pressed.	(1) Perform the real-time diagnosis.	Check the input signal of cruise control system.
		(2) Check the CANCEL switch.	<Ref. to CC(HEV)(diag)-15, 11, Diagnostic Procedure with Cancel Code.>
8	Cruise control is not released after brake pedal has been depressed.	(1) Perform the real-time diagnosis.	Check the input signal of cruise control system.
		(2) Check stop light switch and brake switch. Check the brake stroke sensor.	<Ref. to CC(HEV)(diag)-17, 12, Diagnostic Procedure with Cancel Code.> <Ref. to BR-75, INSTALLATION, Stop Light Switch.> <Ref. to HEV(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>
9	Cruise control is not released after shifting to the neutral position.	(1) Perform the real-time diagnosis.	Check the input signal of cruise control system.
		(2) Check the neutral position switch.	<Ref. to HEV(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>

## Diagnostics with Phenomenon

### CRUISE CONTROL SYSTEM (DIAGNOSTICS)

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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 and SET indicator do not illuminate.

Step	Check	Yes	No
<b>1</b> <b>CHECK CRUISE INDICATOR LIGHT AND CRUISE SET INDICATOR LIGHT.</b> Perform the combination meter operation check. <Ref. to IDI(diag)-21, OPERATION, System Operation Check Mode.>	Do the CRUISE & SET indicators illuminate?	Go to step 2.	Replace the meter case assembly. <Ref. to IDI-20, Combination Meter.>
<b>2</b> <b>CHECK LAN SYSTEM.</b> Perform the diagnosis for LAN system. <Ref. to LAN(HEV)(diag)-2, Basic Diagnostic Procedure.>	Is a DTC of the LAN system detected?	Perform the diagnosis according to DTC for LAN system.	Replace the hybrid powertrain CM. <Ref. to HEV-37, Hybrid Powertrain Control Module.>