

6. Diagnostics with Phenomenon

A: DIAGNOSTIC PROCEDURE WITH PHENOMENON

Symptom		Repair area	Reference
1	Cruise control main switch is not turned to ON. (Cruise indicator light does not illuminate.)	(1) Check the cruise indicator light.	<Ref. to CC(ETC)(diag)-11, CHECK CRUISE INDICATOR LIGHT., Diagnostics with Phenomenon.>
		(2) Check the cruise control command switch.	<Ref. to CC(ETC)(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-23, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-25, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-26, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
2	Cruise control cannot be set.	(1) Check the cruise control command switch.	<Ref. to CC(ETC)(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-23, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-25, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-26, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
		(2) Check stop light switch and brake switch.	<Ref. to CC(ETC)(diag)-17, DTC 12, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-25, DTC 25, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-26, DTC 61, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
		(3) Check clutch switch.	<Ref. to CC(ETC)(diag)-19, DTC 13, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
		(4) Check the neutral switch.	<Ref. to CC(ETC)(diag)-21, DTC 14, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-26, DTC 62, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
		(5) Check vehicle speed sensor.	<Ref. to CC(ETC)(diag)-25, DTC 22, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-25, DTC 32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-26, DTC 63, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
3	Vehicle speed is not held within set speed ± 3 km/h (± 2 MPH).	Check the vehicle speed sensor.	<Ref. to CC(ETC)(diag)-25, DTC 22, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-25, DTC 32, Diagnostic Procedure with Diagnostic Trouble Code (DTC).> <Ref. to CC(ETC)(diag)-26, DTC 63, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

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CRUISE CONTROL SYSTEM (DIAGNOSTICS)

Symptom		Repair area	Reference
4	Vehicle speed does not increase or does not return to set speed after RESUME/ACCEL switch has been pressed.	Check the RESUME/ACCEL switch.	<p><Ref. to CC(ETC)(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-23, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-25, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-26, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p>
5	Vehicle speed does not decrease after SET/COAST switch has been pressed.	Check the SET/COAST switch.	<p><Ref. to CC(ETC)(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-23, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-25, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-26, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p>
6	Cruise control is not released after CANCEL switch has been pressed.	Check the CANCEL switch.	<p><Ref. to CC(ETC)(diag)-15, DTC 11, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-23, DTC 15, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-25, DTC 21, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-25, DTC 24, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-26, DTC 65, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p>
7	Cruise control is not released after brake pedal has been depressed.	Check the stop light switch and brake switch.	<p><Ref. to CC(ETC)(diag)-17, DTC 12, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-25, DTC 25, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-26, DTC 61, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p>
8	Cruise control is not released after clutch pedal has been depressed.	Check the clutch switch.	<p><Ref. to CC(ETC)(diag)-19, DTC 13, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p>
9	Cruise control is not released after shifting to the neutral position.	Check the neutral switch.	<p><Ref. to CC(ETC)(diag)-21, DTC 14, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p> <p><Ref. to CC(ETC)(diag)-26, DTC 62, Diagnostic Procedure with Diagnostic Trouble Code (DTC).></p>

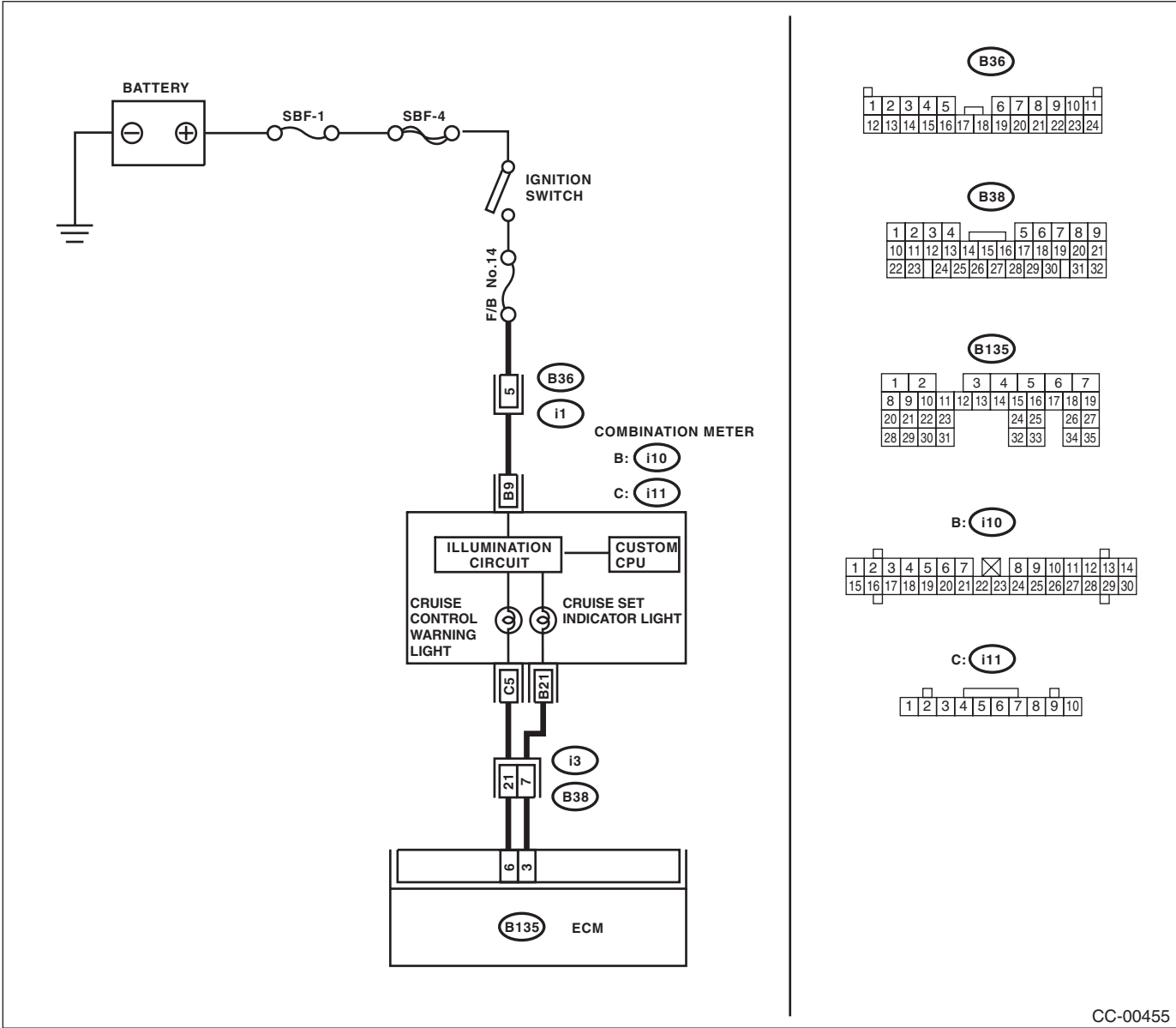
Diagnostics with Phenomenon

B: CHECK CRUISE INDICATOR LIGHT.

TROUBLE SYMPTOM:

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

WIRING DIAGRAM:



CC-00455

Diagnostics with Phenomenon

CRUISE CONTROL SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK CRUISE INDICATOR LIGHT CIRCUIT. 1) Turn the ignition switch to OFF. 2) Disconnect the harness connector of the combination meter. 3) Turn the ignition switch to ON. 4) Measure the voltage between harness connector terminal and chassis ground. Connector & terminal <i>(i10) No. 9 (+) — Chassis ground (-):</i>	Is the voltage 10 V or more?	Go to step 2.	<ul style="list-style-type: none"> • Check fuse No. 13 (in fuse & relay box). • Check for open or shorted circuits between the combination meter and fuse & relay box.
2 CHECK CRUISE INDICATOR LIGHT CIRCUIT. 1) Turn the ignition switch to OFF. 2) Disconnect the harness connector of ECM. 3) Measure the resistance between the ECM harness connector and the combination meter harness connector. Connector & terminal <i>(B135) No. 6 — (i11) No. 5:</i> <i>(B135) No. 3 — (i10) No. 21:</i>	Is the resistance less than 10 Ω ?	Go to step 3.	Repair the harness.
3 CHECK CRUISE INDICATOR LIGHT CIRCUIT. Connect the ECM harness connector terminal to ground using a suitable lead wire. Connector & terminal <i>(B135) No. 6 — Chassis ground:</i> <i>(B135) No. 3 — Chassis ground:</i>	Does the cruise indicator light illuminate?	Check the poor contact of ECM connector.	Replace the meter main assembly.