

6. Diagnostics Chart with Symptom S003619

A: SYMPTOM CHART S003619F22

Symptom		Repair area	Reference
1	Cruise control can be set. Normally, indicator does not come on. (When main switch is pressed.)	(1) Check cruise control main switch.	<Ref. to CC-14 CHECK INDICATOR AND CIRCUIT IN CRUISE CONTROL MAIN SWITCH, Diagnostics Chart with Symptom.>
		(2) Check wiring harness.	
2	Cruise control main switch is not turned ON and cruise control cannot be set.	(1) Check fuse.	<Ref. to CC-16 CHECK CRUISE CONTROL MAIN SWITCH, Diagnostics Chart with Symptom.>
		(2) Check power supply.	
		(3) Check cruise control main switch.	
		(4) Check wiring harness.	

DIAGNOSTICS CHART WITH SYMPTOM

Cruise Control System

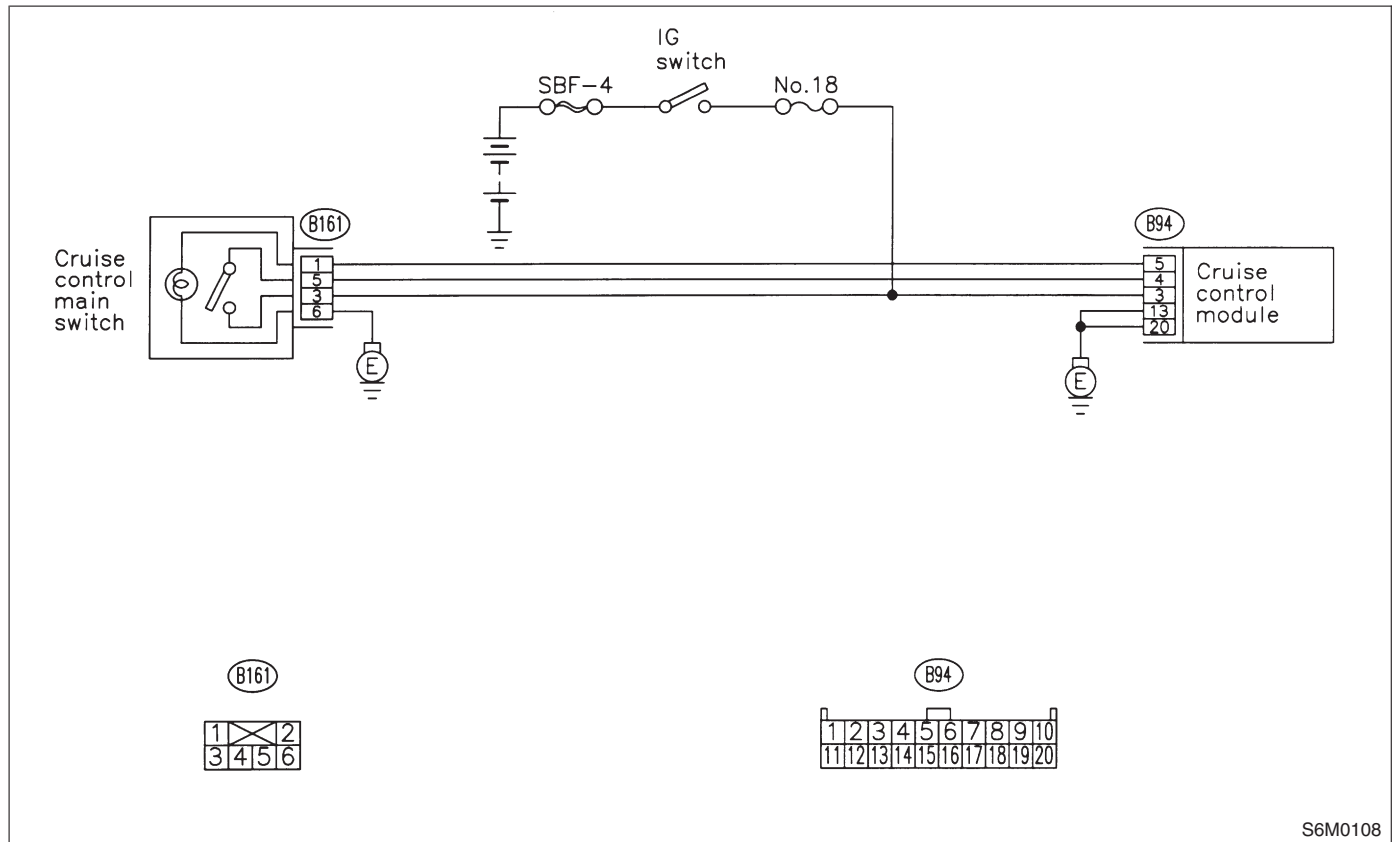
B: CHECK INDICATOR AND CIRCUIT IN CRUISE CONTROL MAIN SWITCH

S003619F48

DIAGNOSIS:

- Bulb failure or open harness of the indicator circuit in the cruise control main switch.

WIRING DIAGRAM:



DIAGNOSTICS CHART WITH SYMPTOM

Cruise Control System

No.	Step	Check	Yes	No
1	CHECK CRUISE CONTROL MAIN SWITCH. 1) Remove cruise control main switch. 2) Measure resistance between cruise control main switch terminals. <i>Terminals</i> <i>No. 1 — No. 6:</i>	Is resistance between 10 and 80 Ω ?	Go to step 2.	Replace switch illumination bulb. <Ref. to CC-6 REMOVAL, Cruise Control Main Switch.>
2	CHECK CIRCUIT BETWEEN CRUISE CONTROL MODULE AND CRUISE CONTROL MAIN SWITCH INDICATOR LIGHT. 1) Turn the ignition switch to ON. 2) Turn cruise control main switch to ON. 3) Measure voltage between cruise control main switch connector and the chassis ground. <i>Connector & terminal</i> <i>(B161) No. 1 (+) — Chassis ground (-):</i>	Is voltage more than 10 V?	Go to step 3.	Repair or replace wiring harness.
3	CHECK CIRCUIT BETWEEN CRUISE CONTROL MODULE AND CRUISE CONTROL MAIN SWITCH INDICATOR LIGHT. 1) Turn the ignition switch and cruise control main switch to OFF. 2) Remove the connector from the cruise control main switch. 3) Measure resistance of ground circuit between the cruise control main switch connector and chassis ground. <i>Connector & terminal</i> <i>(B161) No. 6 (+) — Chassis ground (-):</i>	Is resistance less than 10 Ω ?	Replace cruise control module. <Ref. to CC-5 REMOVAL, Cruise Control Module.>	Repair or replace wiring harness.

DIAGNOSTICS CHART WITH SYMPTOM

Cruise Control System

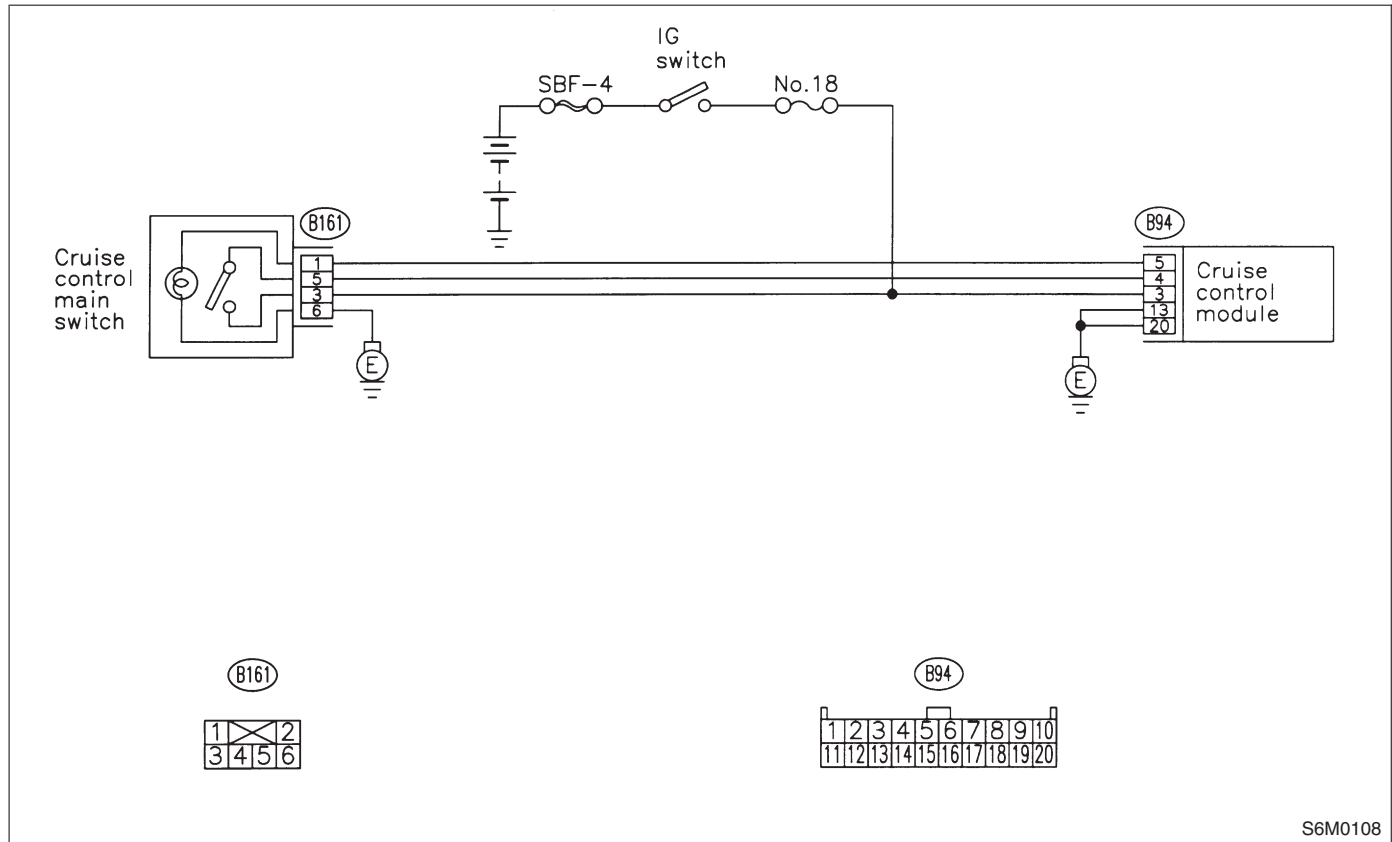
C: CHECK CRUISE CONTROL MAIN SWITCH

S003619F49

DIAGNOSIS:

- Faulty cruise control main switch, or open harness.

WIRING DIAGRAM:



DIAGNOSTICS CHART WITH SYMPTOM

Cruise Control System

No.	Step	Check	Yes	No
1	CHECK FUSE. Check fuse No. 18.	Is fuse No. 18 blown?	Replace fuse No. 18. Go to step 2.	Go to step 2.
2	CHECK POWER SUPPLY. 1) Turn ignition switch to ON. 2) Measure voltage between fuse & relay box connector and chassis ground. Connector & terminal (B152) No. 5 (+) — Chassis ground (-):	Is voltage more than 10 V?	Go to step 3.	Replace fuse No. 18. When fuse No. 18 is blown again, repair shorted parts of circuit.
3	CHECK CRUISE CONTROL MAIN SWITCH. 1) Turn ignition switch to OFF. 2) Remove cruise control main switch and disconnect connector. <Ref. to CC-6 REMOVAL, Cruise Control Main Switch.> 3) Turn ignition switch to ON. 4) Measure voltage between cruise control main switch connector and chassis ground. Connector & terminal (B161) No. 3 (+) — Chassis ground (-):	Is voltage more than 10 V?	Go to step 4.	Replace cruise control main switch.
4	CHECK CRUISE CONTROL MAIN SWITCH. Measure resistance between cruise control main switch terminals. Terminals No. 3 — No. 5:	Is resistance less than 10 Ω? (When switch is ON.)	Go to step 5.	Replace cruise control main switch.
5	CHECK CRUISE CONTROL MAIN SWITCH. Measure resistance between cruise control main switch terminals. Terminals No. 3 — No. 5:	Is resistance less than 1 MΩ? (When switch is OFF.)	Go to step 6.	Replace cruise control main switch.
6	CHECK HARNESS BETWEEN CRUISE CONTROL MAIN SWITCH CONNECTOR AND CHASSIS GROUND. 1) Connect connector. 2) Turn ignition switch to ON. 3) Turn cruise control main switch to ON. 4) Measure voltage between terminal of cruise control main switch and chassis ground. Connector & terminal (B161) No. 3 (+) — Chassis ground (-):	Is voltage more than 10 V?	Go to step 7.	Repair or replace wiring harness.
7	CHECK HARNESS BETWEEN CRUISE CONTROL MAIN SWITCH CONNECTOR AND CHASSIS GROUND. Measure voltage between terminal of cruise control main switch chassis ground. Connector & terminal (B161) No. 5 (+) — Chassis ground (-):	Is voltage more than 10 V?	Go to step 8.	Repair or replace wiring harness.
8	CHECK HARNESS BETWEEN CRUISE CONTROL MODULE CONNECTOR AND CHASSIS GROUND. Measure voltage between terminal of cruise control module and chassis ground. Connector & terminal (B94) No. 4 (+) — Chassis ground (-):	Is voltage more than 10 V?	Replace cruise control module. <Ref. to CC-5 REMOVAL, Cruise Control Module.>	Repair or replace wiring harness. NOTE: Depress cruise control main switch with fingers while measuring voltage between (B161) No. 5 and chassis ground.