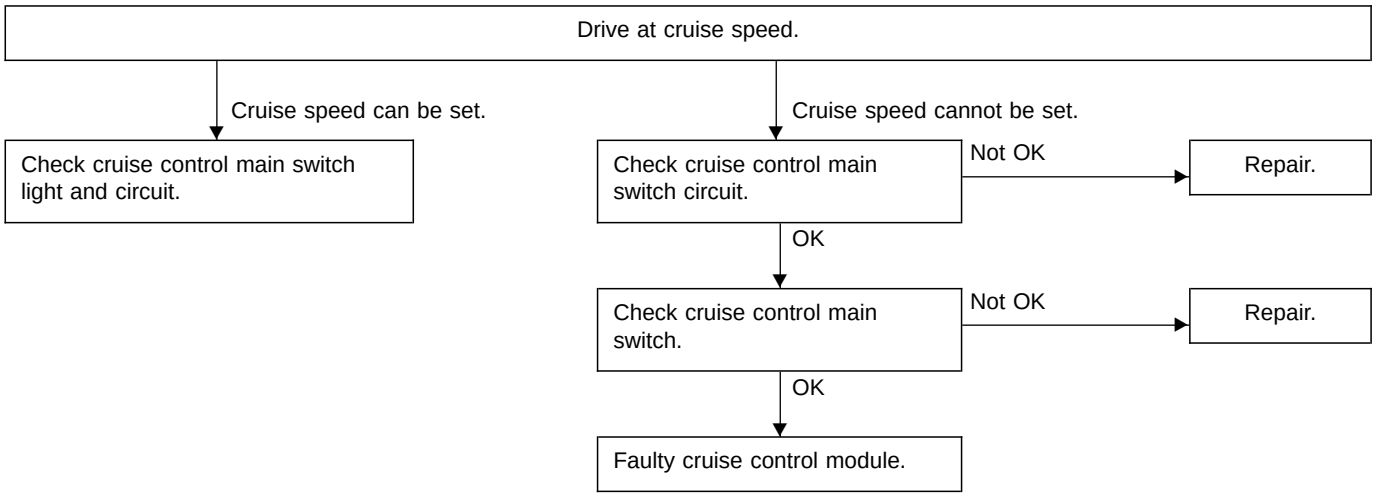
6. Diagnostics Chart for Power Line



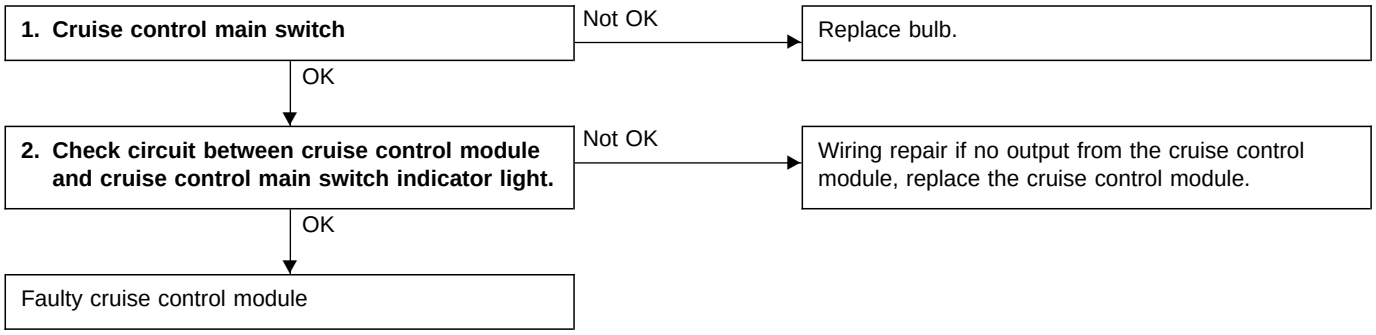
A: CHECK INDICATOR AND CIRCUIT IN CRUISE CONTROL MAIN SWITCH

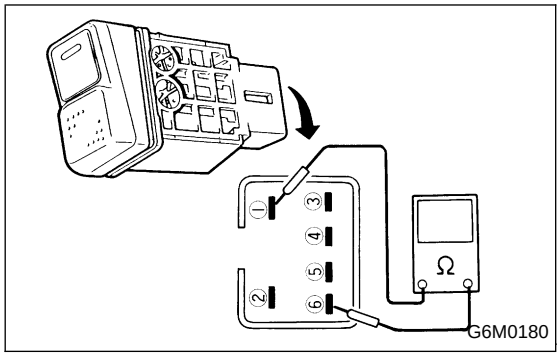
DIAGNOSIS:

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

TROUBLE SYMPTOM:

- Cruise control can be set, normally indicator does not come on. (When main switch is pressed.)

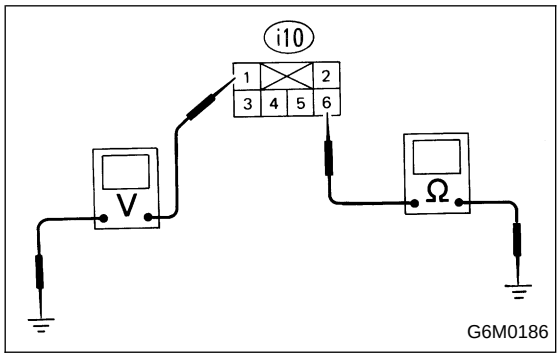




1. CRUISE CONTROL MAIN SWITCH

1) Remove cruise main switch.
Turn lower part of the housing upward to remove. If this cannot be done, insert a small screwdriver on the right hand side of the housing to remove the lock.
2) Measure resistance value between cruise control main switch terminals.

Terminal/Specified resistance:
No. 1 — No. 6/Approx. 120 Ω



2. CHECK CIRCUIT BETWEEN CRUISE CONTROL MODULE AND CRUISE CONTROL MAIN SWITCH INDICATOR LIGHT

1) Measure voltage between cruise control main switch and body. (Perform this measurement by turning ON the ignition switch and the cruise control main switch.)

Connector & terminal/Specified voltage:
(i10) No. 1 — Body/10 — 13 V

2) Remove the connector from the cruise control main switch.
3) Measure the resistance value between the cruise control main switch connector and the body.

Connector & terminal/Specified resistance:
(i10) No. 6 — Body/10 Ω, max.

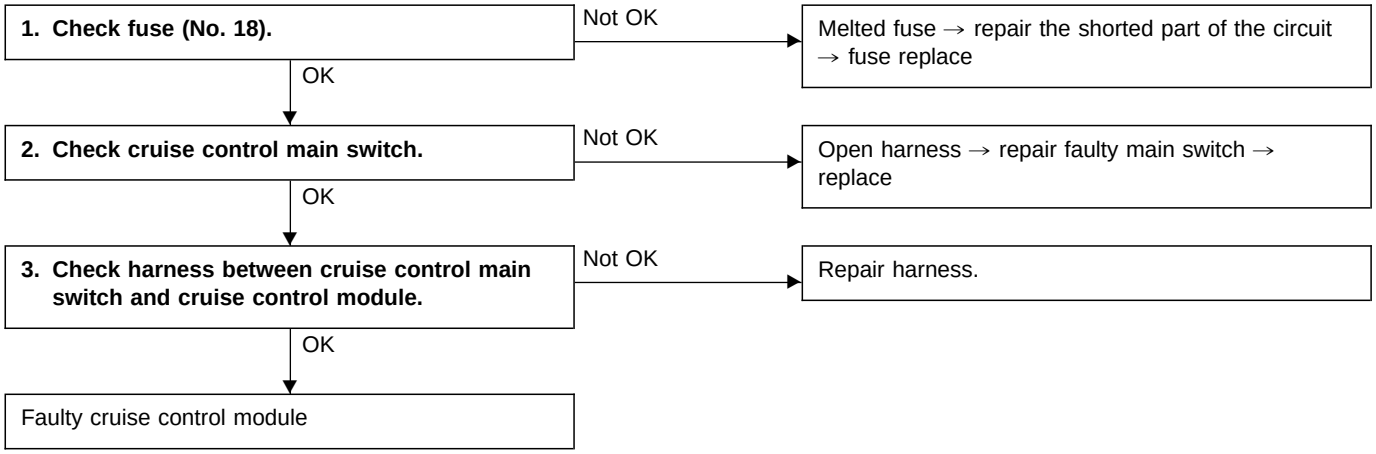
B: CHECK CRUISE CONTROL MAIN SWITCH

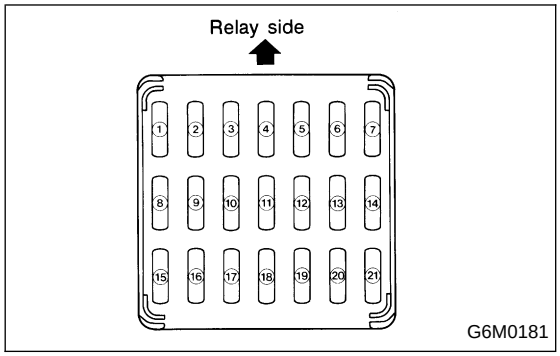
DIAGNOSIS:

- Faulty cruise control main switch, or open harness.

TROUBLE SYMPTOM:

- Cruise control main switch is not turned ON and cruise control cannot be set.

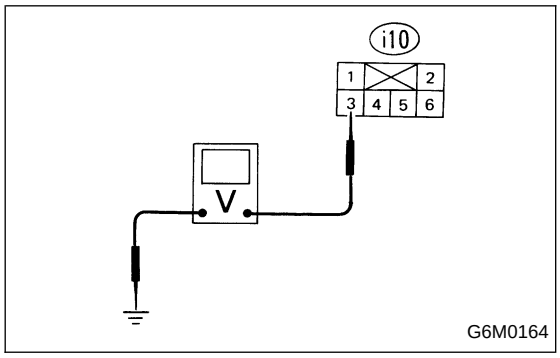




1. CHECK FUSE (NO. 18)

1) Check fuse.
Test circuit with a tester.
2) Checking voltage of the ignition power source
Turn ignition switch ON and measure the voltage between the fuse box connector and the body.

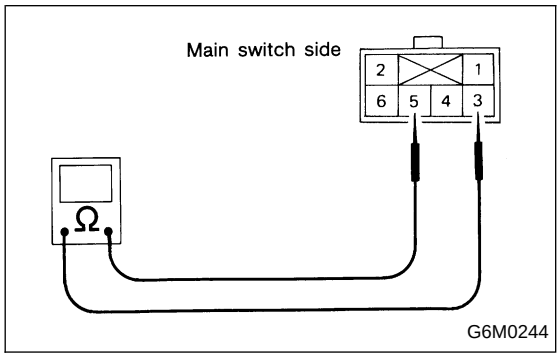
Connector & terminal/Specified voltage:
(B34) No. 4 — Body/10 — 13 V



2. CHECK CRUISE CONTROL MAIN SWITCH

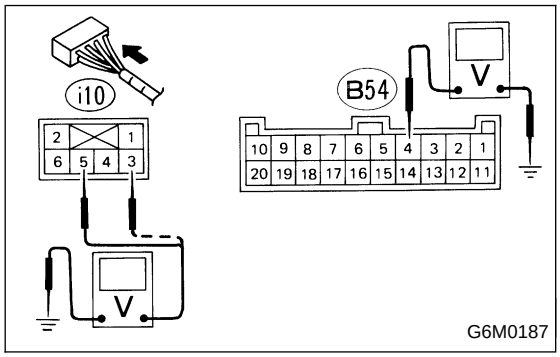
1) Remove cruise control main switch and disconnect connector.
Turn ignition switch ON and measure the voltage between cruise control main switch connector and body.

Connector & terminal/Specified voltage:
(i10) No. 3 — Body/10 — 13 V



2) Check ON/OFF function of main switch
Measure resistance between main switch and terminal.

Terminal/Specified resistance:
No. 3 — No. 5/10 Ω, max. (Switch ON)
1 MΩ, min. (Switch OFF)



3. CHECK HARNESS BETWEEN CRUISE CONTROL MAIN SWITCH AND CRUISE CONTROL MODULE

1) Connect connector.
2) Turn ignition switch ON.
3) Turn cruise main switch ON.
4) Measure voltage between each of terminals and body.

Connector & terminal/Specified voltage:
(i10) No. 3 — Body/10 — 13 V
(i10) No. 5 — Body/10 — 13 V
(B54) No. 4 — Body/10 — 13 V