

GENERAL DESCRIPTION

Cruise Control System

2. General Description S003001

A: CAUTION S003001A03

1. SUPPLEMENTAL RESTRAINT SYSTEM "AIRBAG" S003001A0301

Airbag system wiring harness is routed near the cruise control module and cruise control command switch.

CAUTION:

- All Airbag system wiring harness and connectors are colored yellow. Do not use electrical test equipment on these circuits.
- Be careful not to damage Airbag system wiring harness when servicing the cruise control module and cruise control command switch.

B: INSPECTION S003001A10

1. BATTERY S003001A1002

Measure battery voltage and specific gravity of electrolyte.

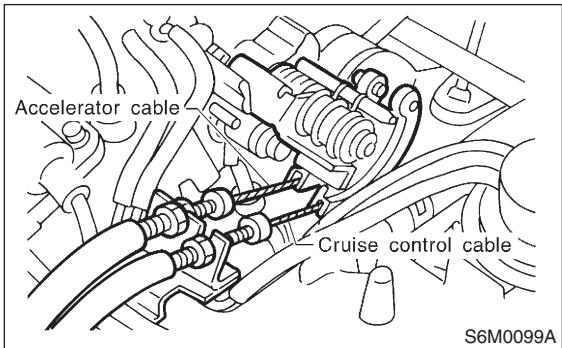
Standard voltage:

12 V, or more

Specific gravity:

Above 1.260

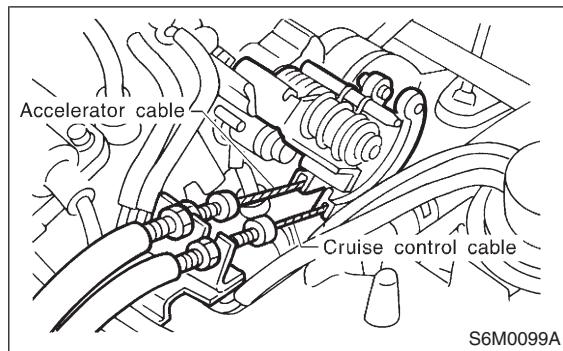
2. CRUISE CONTROL CABLE S003001A1003



Check the cruise control cable installation.

If NG, install the cable securely.

3. ACCELERATOR CABLE S003001A1004

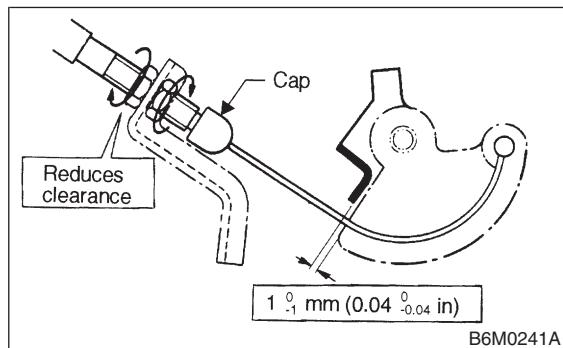


Check movement of the accelerator cable when the cruise control throttle is moved by hand. If NG, check throttle cam.

4. THROTTLE CAM S003001A1005

Check that the throttle cam moves smoothly. If NG, repair throttle cam.

5. CABLE FREE PLAY S003001A1006



Check that the throttle cam-to-lever clearance is within specifications.

Throttle cam-to-lever clearance:

0 — 1 mm (0 — 0.04 in)

If NG, adjust the clearance with the adjust nut.

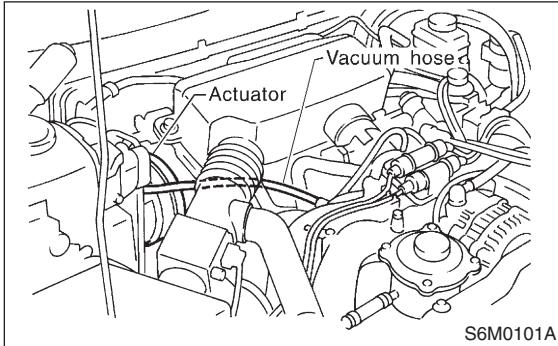
NOTE:

Check that the cap is positioned in the groove.

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6. VACUUM HOSE S003001A1007



Check vacuum hose (which connects actuator and intake manifold).
If NG, replace vacuum hose.

7. ACTUATOR S003001A1008

No.	Step	Check	Yes	No
1	CHECK FUNCTION OF ACTUATOR. 1) Disconnect vacuum hose from actuator. 2) Connect vacuum pump as shown in figure. 3) Make sure that cruise control cable moves smoothly and quickly when a vacuum pressure of 40.0 kPa (300 mmHg, 11.81 inHg) is applied to actuator.	Does cruise control cable have a stroke of 35 mm (1.38 in)?	Go to step 2.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.> Go to step 2. NOTE: ● When vacuum pressure is released from condition 3) above, make sure the cable returns to its original position smoothly and quickly. ● After inspection, disconnect vacuum pump and connect vacuum hose.
2	MEASURE RESISTANCE OF VALVE. 1) Disconnect connector from actuator. 2) Measure resistance between terminals of actuator. <i>Terminals</i> <i>No. 2 — No. 3:</i>	Is resistance less than 100 Ω ?	Go to step 3.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.>
3	MEASURE RESISTANCE OF VALVE. Measure resistance between terminals of actuator. <i>Terminals</i> <i>No. 2 — No. 1:</i>	Is resistance less than 69 Ω ?	Go to step 4.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.>
4	MEASURE RESISTANCE OF VALVE. Measure resistance between terminals of actuator. <i>Terminals</i> <i>No. 2 — No. 4:</i>	Is resistance less than 69 Ω ?	Go to step 5.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.>
5	CHECK FOR LEAKAGE AND STICKING OF VALVES. 1) Disconnect connector from actuator. 2) Make sure that cruise control cable moves smoothly when connecting + (positive) battery cable to terminal No. 2 and - (negative) battery cable to terminals No. 1, 3 and 4 of actuator connector.	Does cruise control cable have a stroke of 35 mm (1.38 in) within 3 seconds?	Go to step 6.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.> Go to step 6.

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No.	Step	Check	Yes	No
6	CHECK FOR LEAKAGE AND STICKING OF VALVES. When the battery cable is disconnected from former condition, make sure the cable returns to its original position smoothly.	Does cruise control cable get back to its original position within 1.5 seconds?	Go to step 7.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.> Go to step 7.
7	CHECK CABLE MOVEMENT. Connect + (positive) battery cable to terminal No. 2 and – (negative) battery cable to terminals No. 1, 3 and 4 of actuator connector.	Does cruise control perform pull operation?	Go to step 8.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.> Go to step 8.
8	CHECK CABLE MOVEMENT. Connect + (positive) battery cable to terminal No. 2 and – (negative) battery cable to terminals No. 1 and 4 of actuator connector.	Does cruise control perform hold operation?	Go to step 9.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.> Go to step 9.
9	CHECK CABLE MOVEMENT. Connect + (positive) battery cable to terminal No. 2 and – (negative) battery cable to terminal No. 4 of actuator connector.	Does cruise control perform release operation?	End of actuator inspection.	Replace actuator. <Ref. to CC-4 REMOVAL, Actuator.>