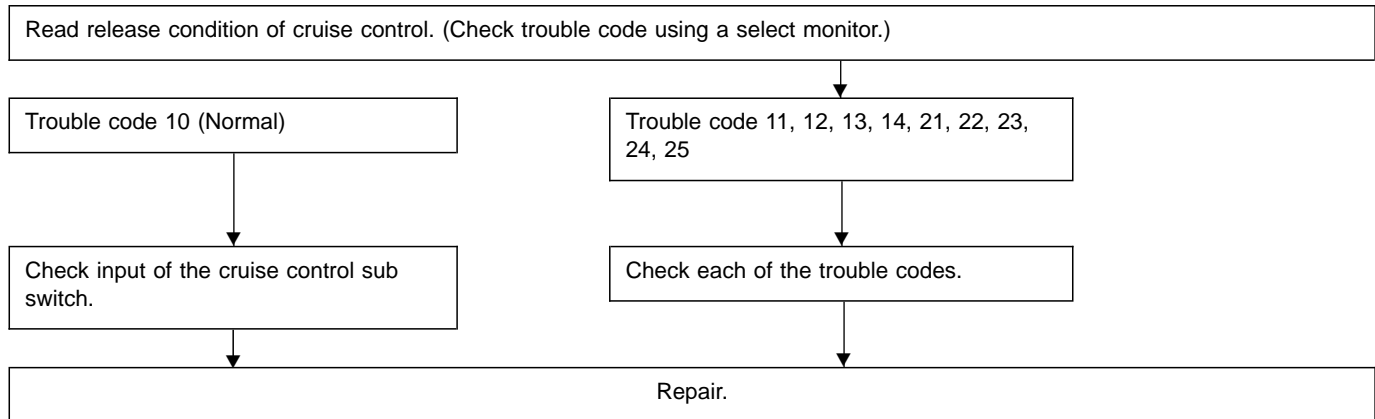


## 7. Diagnostics Chart with Select Monitor — When cruise control cannot be set —



Trouble code	Item	Contents of diagnosis	Page
10	OK	Normal	—
11	Brake/switch, Stop light switch	Input signals from brake switch "OFF", stop light switch "ON" (Brake pedal is depressed.)	20
12	Clutch switch, N position	Input signals from clutch switch "OFF", inhibitor switch "N" (Clutch pedal is depressed, or select lever is set to "N".)	22
13	Speed limiter	Low-speed control limiter	24
14	Set switch and resume switch	Input signal from cancel switch "ON"	26
21	Vacuum valve	Faulty vacuum valve or valve drive system	27
22	Vent 2 valve	Faulty vent 2 valve or valve drive system	27
23	Vent 1 valve	Faulty vent 1 valve or valve drive system	27
24	Speed sensor	Faulty vehicle speed sensor	24
25	Control module	Faulty control module	28

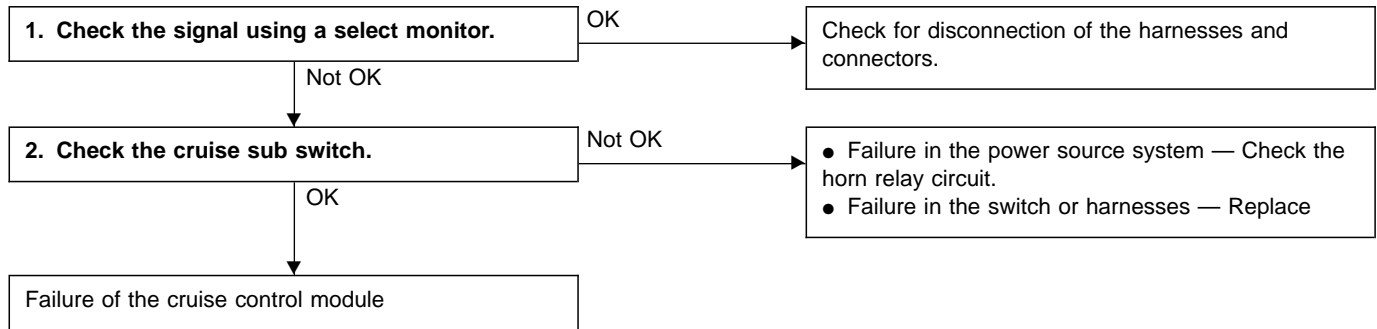
**A: CHECKING INPUT OF CRUISE CONTROL SUB SWITCH**

**DIAGNOSIS:**

- SET/COAST SW or disconnection of the wiring or short circuit.
- RESUME/ACCEL SW or disconnection of the wiring or short circuit.

**TROUBLE SYMPTOM:**

- Cruise control cannot be set, or it is cancelled immediately.
- RESUME/ACCEL cannot be operated.

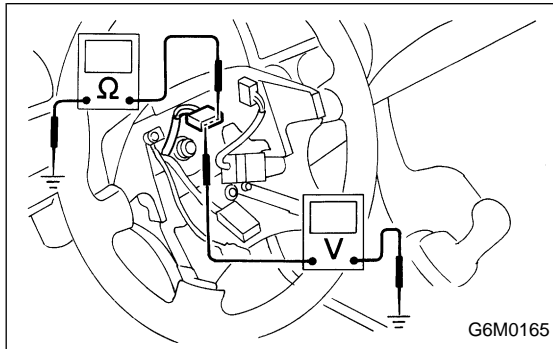


LED No.	Signal name	Display
1	—	—
2	—	—
3	SET/COAST switch	SE
4	RESUME/ACCEL switch	RE
5	—	—
6	—	—
7	—	—
8	—	—
9	—	—
10	—	—

ST	BR	SE	RE	IH
—	—	—	—	—

1	2	3	4	5
---	---	---	---	---

6	7	8	9	10
---	---	---	---	----



### 1. CHECK THE SIGNAL USING A SELECT MONITOR

- Measuring condition: Turn ON the ignition switch and cruise main switch.
- Operation of the function keys: FA0 ENT  
When pushing the SET SW: LED No. 3 goes out — lights  
When pushing the RESUME SW: LED No. 4 goes out — lights

### 2. CHECK THE CRUISE SUB SWITCH

- 1) Separate connector from sub switch. (Use together with horn power supply.)
- 2) Check voltage between sub switch connector and body.

**Terminals/Specified voltage:**

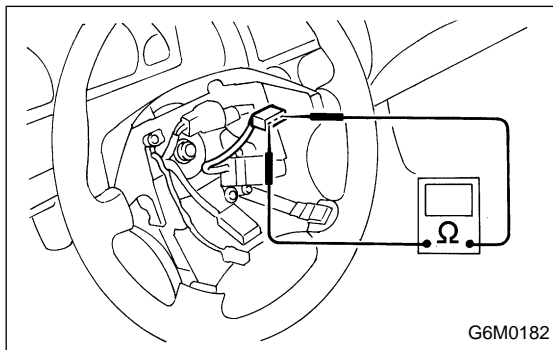
**No. 1 — Body/10 — 13 V**

- 3) Check for harness short circuit between sub switch and cruise control module.

**Terminals/Specified resistance:**

**No. 2 — Body/1 MΩ, min.**

**No. 3 — Body/1 MΩ, min.**



- 4) Check inner switch of the cruise control sub switch and check continuity at switch side connector.

**Terminals:**

**No. 1 — 2 (SET/COAST SWITCH)**

**No. 1 — 3 (RESUME/ACCEL SWITCH)**

**Specified resistance:**

**10 Ω, max. (Switch ON)**

**1 MΩ, min. (Switch OFF)**

<p>CANCEL (FB0)</p>  <p>11 BRAKE/STOP</p> <p style="text-align: right; font-size: small;">G6M0169</p>
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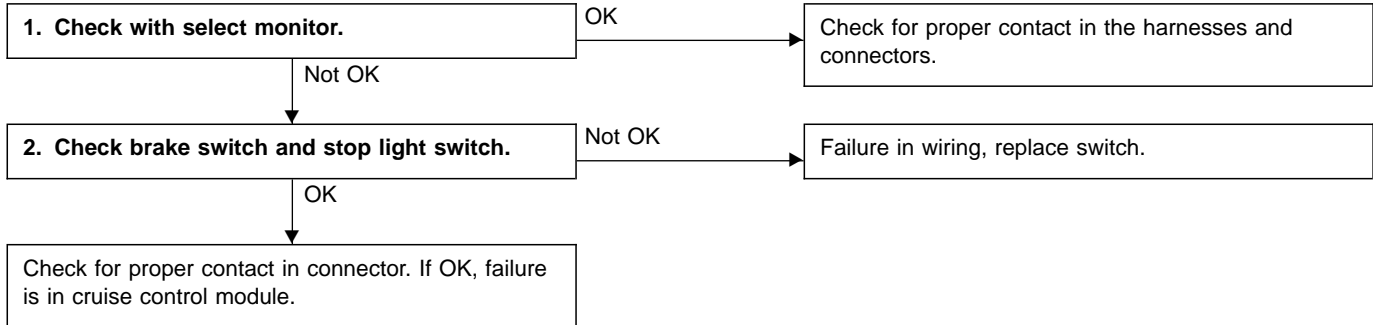
**B: TROUBLE CODE 11**  
**— BRAKE SW, STOP LIGHT SW —**

**DIAGNOSIS:**

- Failure or disconnection of the stop light switch and brake switch.

**TROUBLE SYMPTOM:**

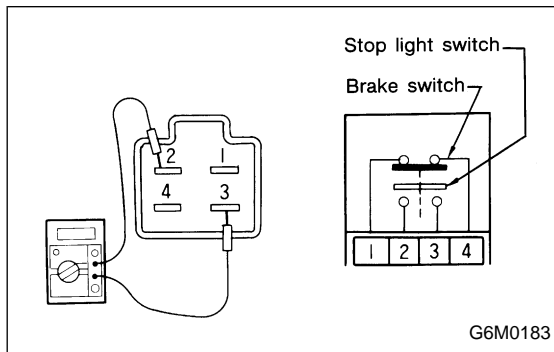
- Cruise control cannot be set.



LED No.	Signal name	Display
1	Stop light switch	ST
2	Brake switch	BR
3	—	—
4	—	—
5	—	—
6	—	—
7	—	—
8	—	—
9	—	—
10	—	—

ST	BR	SE	RE	IH
—	—	—	—	—

1	2	3	4	5
6	7	8	9	10



**1. CHECK WITH SELECT MONITOR**

- Measurement condition: Turn ignition switch ON.  
Turn cruise main switch ON.
  - Operation of the function keys: FA0 ENT
- 1) When depressing brake pedal (Set in the D range for AT, without depressing clutch pedal for MT)  
 Stop light switch: LED No. 1 goes out — lights.  
 Brake switch : LED No. 2 goes out — lights.

**2. CHECK BRAKE SWITCH AND STOP LIGHT SWITCH**

- 1) Remove connector of stop and brake switch.
- 2) Check circuit between each terminal.

Pedal operation	Brake switch between No. 1 — 4	Stop light switch between No. 2 — 3
Depressing the brake pedal.	Circuit failure	Circuit normal
Without depressing the brake pedal.	Circuit normal	Circuit failure

<p>CANCEL (FB0)</p>   <p>12</p>	<p>CLU or N</p> <p style="font-size: small;">G6M0171</p>
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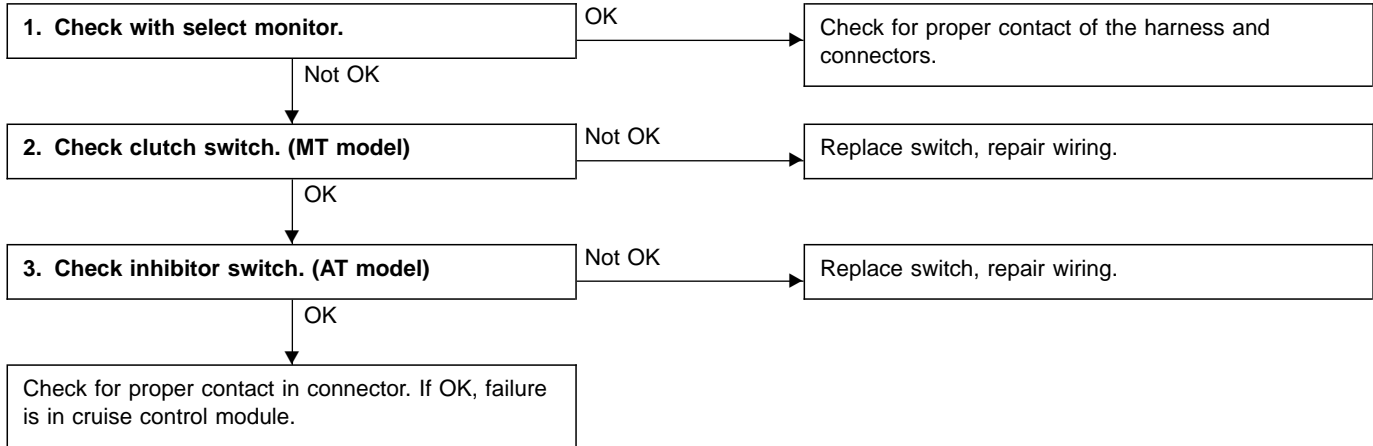
**C: TROUBLE CODE 12**  
**— CLUTCH SWITCH, N POSITION —**

**DIAGNOSIS:**

- Failure or disconnection of inhibitor switch
- Failure or disconnection of clutch switch

**TROUBLE SYMPTOM:**

- Cruise control cannot be set.



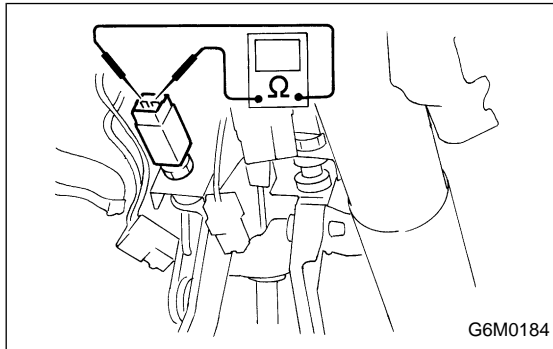
LED No.	Signal name	Display
1	—	—
2	—	—
3	—	—
4	—	—
5	Clutch switch/inhibitor switch	IH
6	—	—
7	—	—
8	—	—
9	—	—
10	—	—

ST	BR	SE	RE	IH
—	—	—	—	—

1	2	3	4	5
6	7	8	9	10

### 1. CHECK WITH SELECT MONITOR

- Measurement condition: Turn ignition switch ON.  
Turn cruise main switch ON.
- Operation of function keys: FA0 ENT
  - 1) When depressing clutch pedal;  
LED No. 5 goes out — lights.
  - 2) When setting shift lever in N position;  
LED No. 5 goes out — lights.



### 2. CHECK CLUTCH SWITCH (MT MODEL)

- 1) Check items for the clutch switch. (Circuit test between terminals)

**Terminals/Specified resistance:**

**No. 1 — No. 2/10 Ω, max. (Without pedal depressing).**

**/1 MΩ, min. (Pedal depressing).**

### 3. CHECK INHIBITOR SWITCH (AT MODEL)

- 1) When engine starts in the N position (the starter rotates), N position contact point of the inhibitor is normal.
- 2) Check the wiring harness.

<p style="font-size: 24pt; margin: 0;">CANCEL</p> <p style="font-size: 24pt; margin: 0;">(FB0)</p>  <p style="font-size: 24pt; margin: 0;">13</p> <p style="font-size: 24pt; margin: 0;">SPEED LIM</p> <p style="font-size: 10pt; margin: 0;">G6M0173</p>
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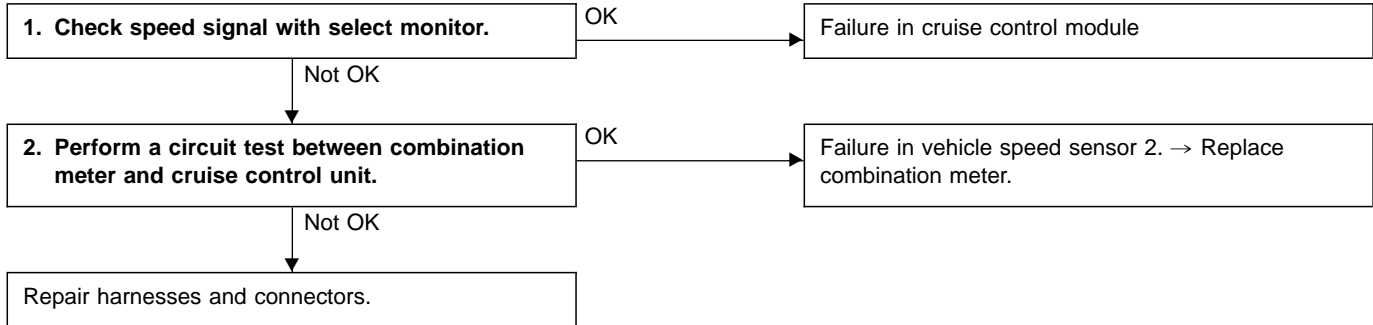
**D: TROUBLE CODE 13 AND 24**  
**— SPEED LIMITER, SPEED SENSOR —**

**DIAGNOSIS:**

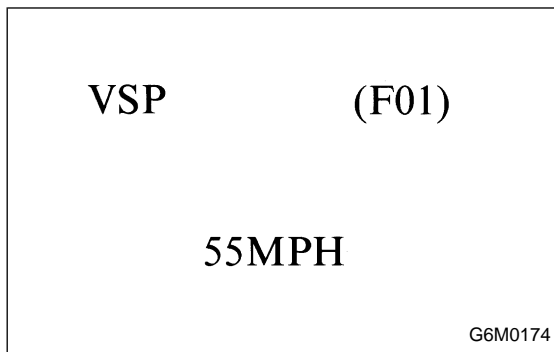
- Disconnection or short circuit of speed sensor.

**TROUBLE SYMPTOM:**

- Cruise control cannot be set. (Cancelled immediately.)





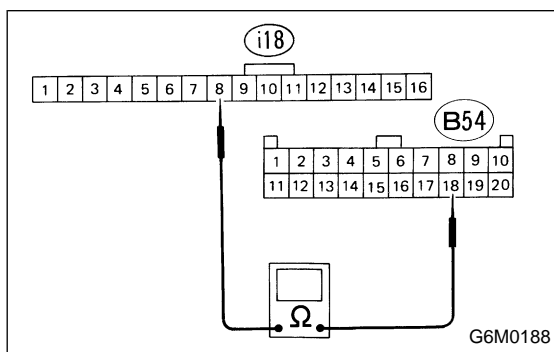


### 1. CHECK SPEED SIGNAL WITH SELECT MONITOR

- Driving condition: Running at speed greater than 40 km/h (25 MPH)
- Operation of the function keys: F02 ENT

#### NOTE:

- When there is a failure in the meter cable or the vehicle speed sensor 2, the indicated value of the meter will be incorrect.
- When there is a disconnection or short circuit in the harness between the meter and the cruise control module, the indicated value will be 0 — 1 km/h.



### 2. PERFORM A CIRCUIT TEST BETWEEN COMBINATION METER AND CRUISE CONTROL UNIT

- 1) Separate connectors from combination meter and cruise control module.
- 2) Perform a circuit test in the harnesses.

**Connector & terminal/Specified resistance:**  
*(i18) No. 8 — (B54) No. 18/10 Ω, max.*

CANCEL (FB0)

14 SET + RESUME

G6M0175

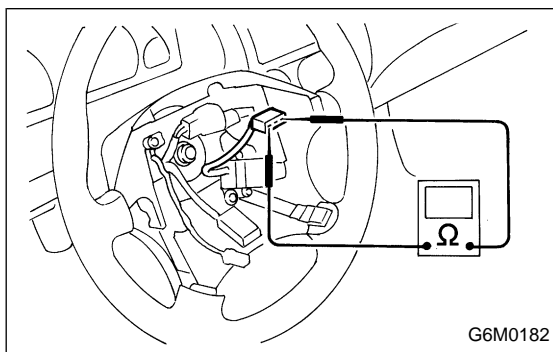
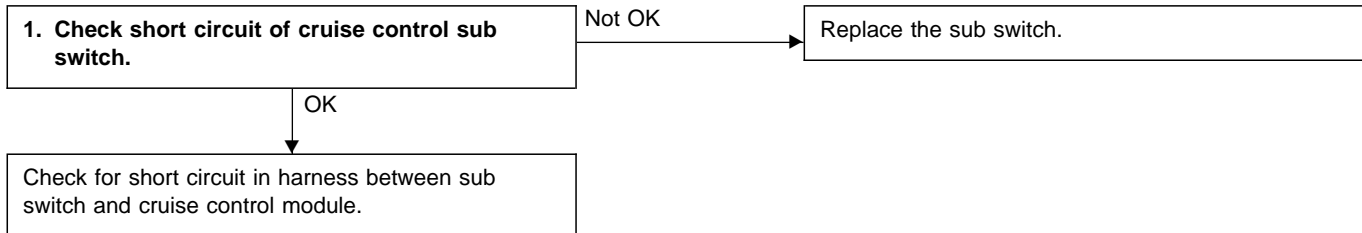
**E: TROUBLE CODE 14  
— SET SWITCH AND RESUME SWITCH  
(CANCEL SW-ON) —**

**DIAGNOSIS:**

- Short circuit inside the SET SW and RESUME SW.

**TROUBLE SYMPTOM:**

- Cruise control cannot be set. (Cancelled immediately.)



**1. CHECK SHORT CIRCUIT OF CRUISE CONTROL SUB SWITCH**

- 1) Separate connector of cruise control sub switch.
- 2) Measure resistance between each terminal of cruise control sub switch.

**Terminal/Specified resistance:**

**SET switch ON No. 1 — No. 2/10 Ω, max.**

**RESUME switch ON No. 1 — No. 3/10 Ω, max.**

**CANCEL switch ON No. 1 — No. 2/10 Ω, max.**

**No. 1 — No. 3/10 Ω, max.**

CANCEL (FB0)

21 VAC VALVE

G6M0176

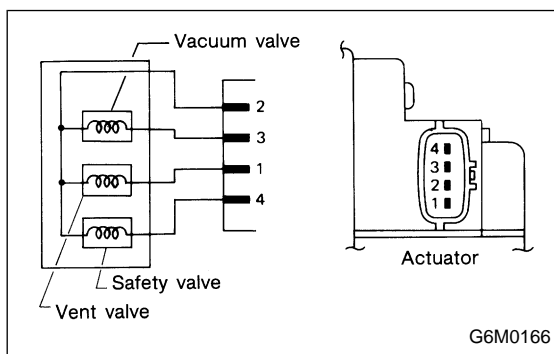
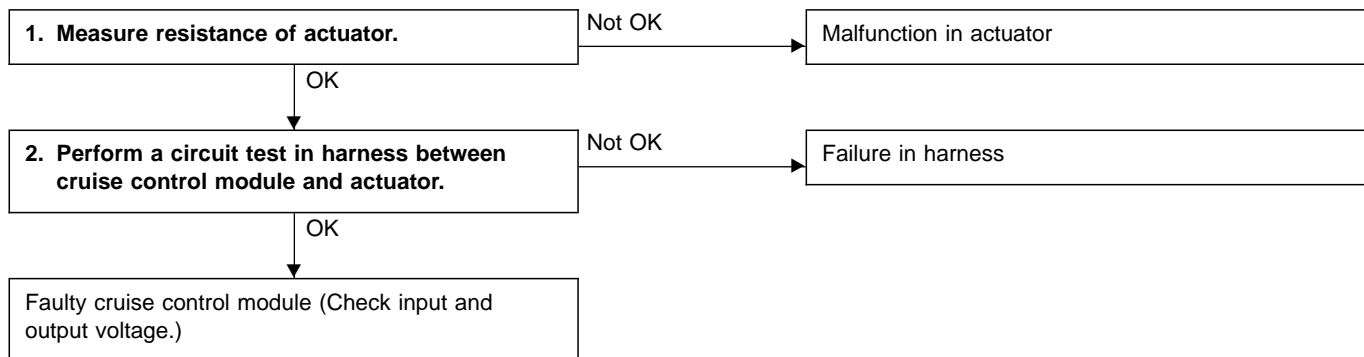
**F: TROUBLE CODE 21, 22 AND 23 — VACUUM VALVE, VENT 1 VALVE, VENT 2 VALVE —**

**DIAGNOSIS:**

- Open or poor contact of vacuum valve, vent 1 valve and vent 2 valve.

**TROUBLE SYMPTOM:**

- Cruise control cannot be set, or cancelled immediately.

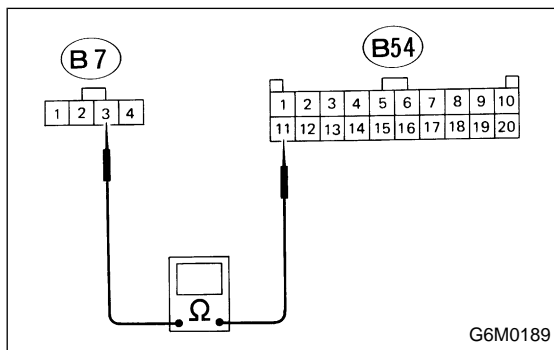


**1. MEASURE RESISTANCE OF ACTUATOR**

- 1) Separate the connector.
- 2) Measure the resistance value of the actuator.

**Terminals/Specified resistance:**

- No. 2 — No. 1/55 Ω**
- No. 2 — No. 3/22 Ω**
- No. 2 — No. 4/55 Ω**



**2. PERFORM A CIRCUIT TEST IN HARNESS BETWEEN CRUISE CONTROL MODULE AND ACTUATOR**

- 1) Separate both sides of connectors.
- 2) Perform a circuit test between each of the harnesses.

**Connector & terminal/Specified resistance:**

- (B7) No. 1 — (B54) No. 1/10 Ω, max.**
- (B7) No. 2 — (B54) No. 8/10 Ω, max.**
- (B7) No. 3 — (B54) No. 11/10 Ω, max.**
- (B7) No. 4 — (B54) No. 2/10 Ω, max.**

<p>CANCEL (FB0)</p>  <p>25 CONTROL UNIT</p> <p style="text-align: right; font-size: small;">G6M0190</p>
---

**G: TROUBLE CODE 25  
— CONTROL MODULE —**

**DIAGNOSIS:**

- Faulty cruise control module.

**TROUBLE SYMPTOM:**

- Cruise control cannot be set.

<p>Replace cruise control module.</p>
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