

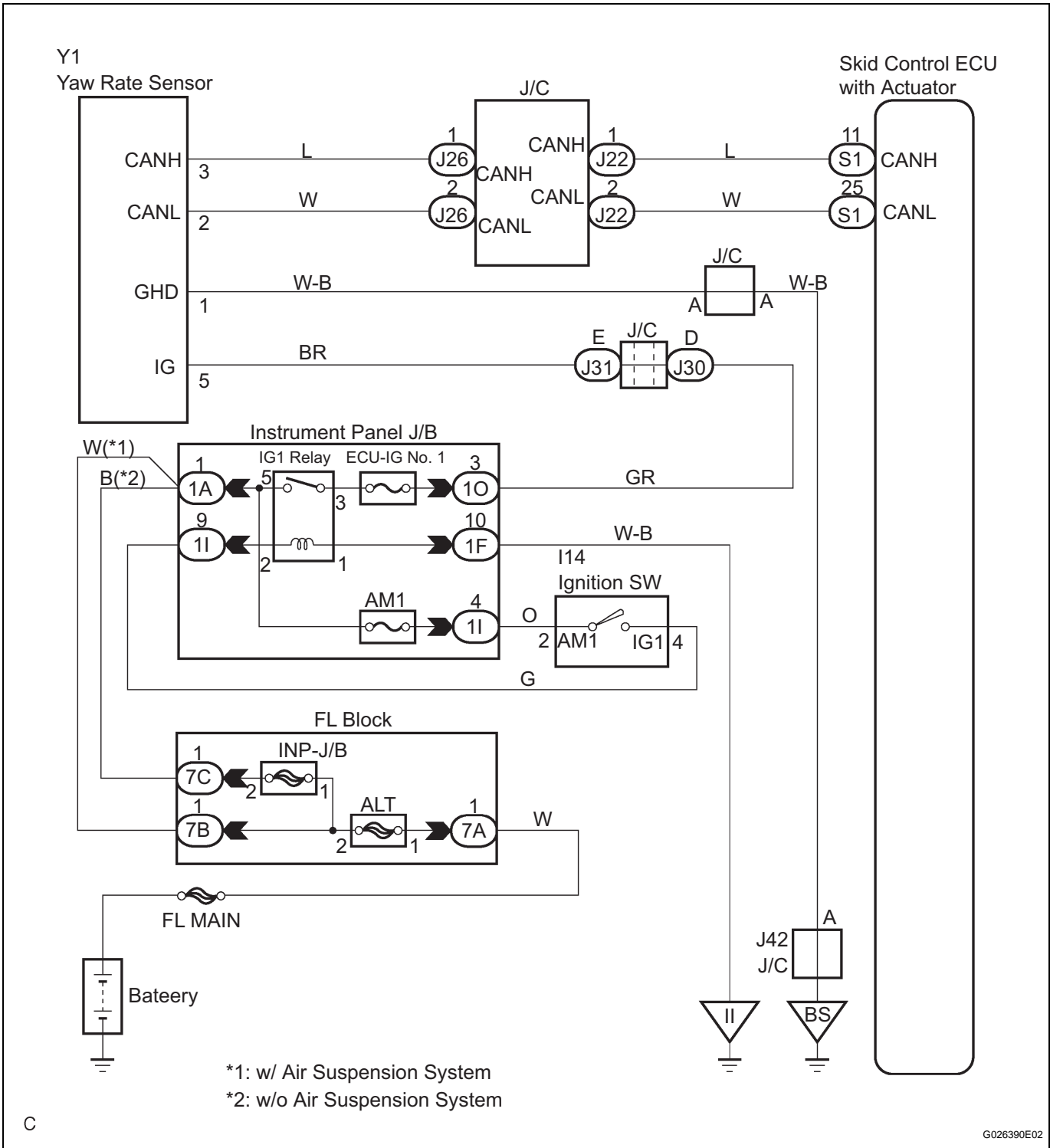
<b>DTC</b>	<b>C1232/32</b>	<b>Stuck in Deceleration Sensor</b>
<b>DTC</b>	<b>C1234/34</b>	<b>Yaw Rate Sensor Malfunction</b>
<b>DTC</b>	<b>C1243/43</b>	<b>Acceleration Sensor Stuck Malfunction</b>
<b>DTC</b>	<b>C1244/44</b>	<b>Open or Short in Deceleration Sensor Circuit</b>
<b>DTC</b>	<b>C1245/45</b>	<b>Acceleration Sensor Output Malfunction</b>
<b>DTC</b>	<b>C1381/97</b>	<b>Yaw Rate and / or Acceleration Sensor Power Supply Voltage Malfunction</b>

## DESCRIPTION

The yaw rate sensor and deceleration sensor signal is sent to the skid control ECU through the CAN communication system. When there is a malfunction in the communication, it will be detected by the diagnosis function.

<b>DTC No.</b>	<b>DTC Detection Condition</b>	<b>Trouble Area</b>
C1232/32	While the vehicle is at a speed of 6 mph (10 km/h) or more, the condition that the fluctuation range of the signal from either GL1 or GL2 is under 80 mV and the other is above 1.9 V continues for 30 seconds or more.	<ul style="list-style-type: none"> <li>• Yaw rate (deceleration) sensor</li> <li>• Yaw rate (deceleration) sensor circuit</li> <li>• CAN communication circuit</li> </ul>
C1234/34	Sensor malfunction signal is received from yaw rate sensor.	<ul style="list-style-type: none"> <li>• Yaw rate (deceleration) sensor</li> <li>• Yaw rate (deceleration) sensor circuit</li> <li>• CAN communication circuit</li> </ul>
C1243/43	The following condition repeats 16 times. <ul style="list-style-type: none"> <li>• GL1 and GL2 do not change by more than 2LSB when the vehicle decelerates from 19 mph (30 km/h) to 0 mph (0 km/h).</li> </ul>	<ul style="list-style-type: none"> <li>• Yaw rate (deceleration) sensor</li> <li>• Yaw rate (deceleration) sensor circuit</li> <li>• CAN communication circuit</li> </ul>
C1244/44	When any of the following (1 to 2) is detected: <ol style="list-style-type: none"> <li>1. All the following conditions continue for at least 60 seconds. <ul style="list-style-type: none"> <li>– Vehicle is stopped.</li> <li>– Difference between GL1 and GL2 does not drop below 0.4 G once it reaches 0.6 G or more.</li> </ul> </li> <li>2. Data malfunction signal is received from G sensor.</li> </ol>	<ul style="list-style-type: none"> <li>• Yaw rate (deceleration) sensor</li> <li>• Yaw rate (deceleration) sensor circuit</li> <li>• CAN communication circuit</li> </ul>
C1245/45	The following condition continue for at least 60 seconds. <ul style="list-style-type: none"> <li>• Difference between the values calculated from G sensor value and vehicle speed exceeds 0.35 G.</li> </ul>	<ul style="list-style-type: none"> <li>• Yaw rate (deceleration) sensor</li> <li>• Yaw rate (deceleration) sensor circuit</li> <li>• CAN communication circuit</li> </ul>
C1381/97	G sensor power source malfunction signal is received for at least 10 sec. at a speed of more than 2 mph (3 km/h).	<ul style="list-style-type: none"> <li>• Yaw rate (deceleration) sensor</li> <li>• Yaw rate (deceleration) sensor circuit</li> <li>• CAN communication circuit</li> </ul>

WIRING DIAGRAM



C

G026390E02

**1 CHECK SENSOR**

BC

(a) Check that the yaw rate and deceleration sensor has been installed properly (See page BC-126).

**OK:**

**The sensor should be tightened to the specified torque.**

The sensor should not be tilted.

**NG** → **INSTALL YAWRATE SENSOR**

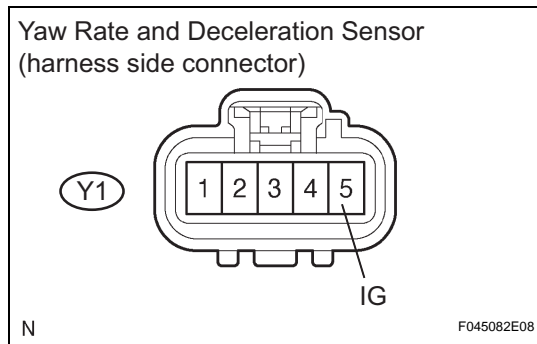
**OK**

**2 CHECK HARNESS AND CONNECTOR**

- (a) Disconnect the yaw rate and deceleration sensor connector.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage according to the value(s) in the table below.

**Voltage**

Tester Connection	Specified Condition
Y1-5 (IG) - Body ground	10 to 14 V



**NG** → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

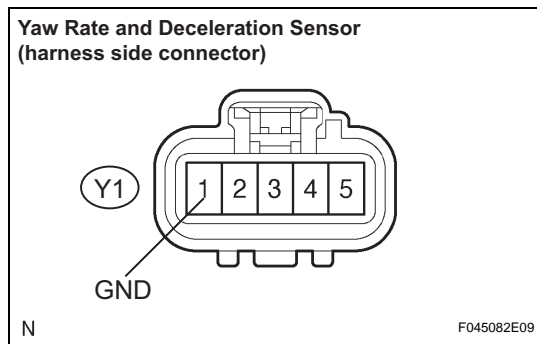
**OK**

**3 CHECK HARNESS AND CONNECTOR**

- (a) Disconnect the yaw rate and deceleration sensor connector.
- (b) Measure the resistance according to the value(s) in the table below.

**Resistance**

Tester Connection	Specified Condition
Y1-1 (GND) - Body ground	Below 1 Ω



**NG** → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**REPLACE YAWRATE SENSOR**