

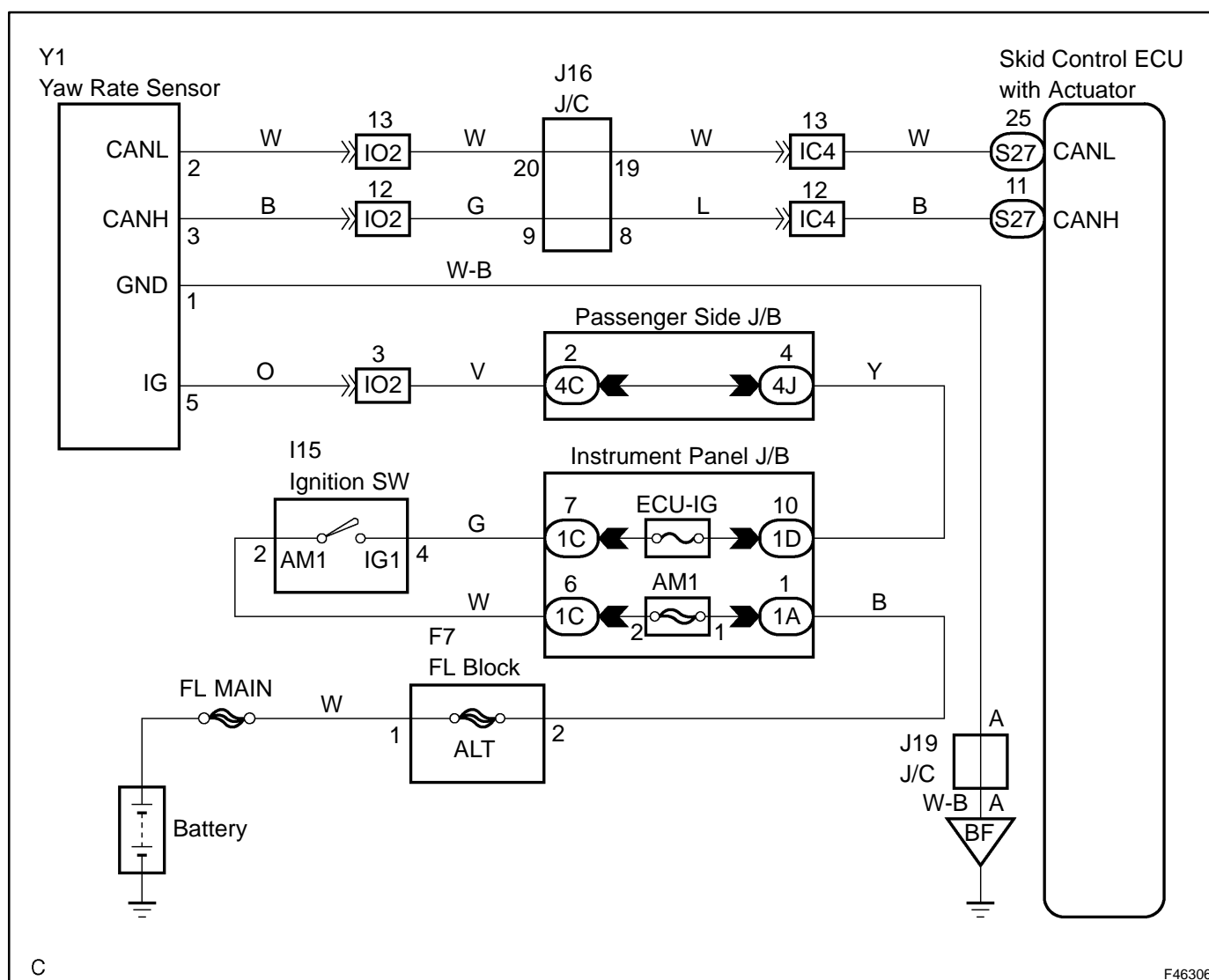
<b>DTC</b>	<b>C1232/32</b>	<b>MALFUNCTION IN DECELERATION SENSOR</b>
<b>DTC</b>	<b>C1234/34</b>	<b>MALFUNCTION IN YAW RATE SENSOR</b>
<b>DTC</b>	<b>C1243/43</b>	<b>MALFUNCTION IN DECELERATION SENSOR</b>
<b>DTC</b>	<b>C1244/44</b>	<b>OPEN OR SHORT IN DECELERATION SENSOR CIRCUIT</b>
<b>DTC</b>	<b>C1245/45</b>	<b>MALFUNCTION IN DECELERATION SENSOR</b>
<b>DTC</b>	<b>C1381/97</b>	<b>MALFUNCTION IN POWER SUPPLY VOLTAGE YAW/DECELERATION SENSOR</b>

## CIRCUIT DESCRIPTION

The yaw rate sensor and deceleration sensor signals are 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.

DTC No.	DTC Detecting Condition	Trouble Area
C1232/32	While the vehicle is at a speed of 6mph (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> </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> </ul>
C1243/43	The following condition repeats 16 times. • 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).	<ul style="list-style-type: none"> <li>• Yaw rate/deceleration sensor</li> <li>• Yaw rate/deceleration sensor circuit</li> </ul>
C1244/44	When any of the following (1 to 2) is detected: (1) All the following conditions continue for at least 60 seconds. • Vehicle is stopped. • Difference between IGL1I and IGL2I does not drop below 0.4 G once it reaches 0.6 G or more. (2) Data malfunction signal is received from G sensor.	<ul style="list-style-type: none"> <li>• Yaw rate/deceleration sensor</li> <li>• Yaw rate/deceleration sensor circuit</li> </ul>
C1245/45	The following condition continues for at least 60 seconds. • Difference between the values calculated from G sensor value and vehicle speed exceeds 0.35 G.	<ul style="list-style-type: none"> <li>• Yaw rate/deceleration sensor</li> <li>• Yaw rate/deceleration sensor 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> </ul>

## WIRING DIAGRAM



## INSPECTION PROCEDURE

### HINT:

When U0121/94, U0123/62, U0124/95 or U0126/63 are output together with C1232/32 or C1334/34, inspect and repair the trouble areas indicated by U0121/94, U0123/62, U0124/95 or U0126/63 first.

### 1 CHECK SENSOR INSTALLATION(YAW RATE SENSOR)

- (a) Check that the yaw rate and deceleration sensor has been installed properly (see page 32-46 ).

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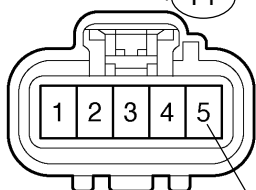
**INSTALL YAW RATE SENSOR CORRECTLY  
(SEE PAGE 32-46 )**

OK

**2 CHECK HARNESS AND CONNECTOR(IG TERMINAL)**

Yaw Rate Sensor

(harness side connector)



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

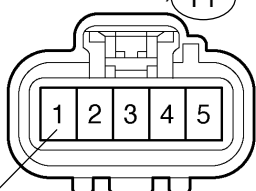
**Standard:**

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(GND TERMINAL)**

Yaw Rate Sensor

(harness side connector)



N

F45082

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

**Standard:**

Tester Connection	Specified Condition
Y1-1 (GND) - Body ground	Below 1 $\Omega$

**NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-37 )**