

# Troubleshooting

## Lateral Acceleration (Lg) Sensor

Diagnostic Trouble Code (DTC) 2-3: Lateral acceleration (Lg) sensor

Turn the ignition switch ON.

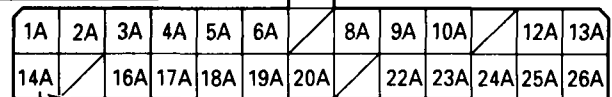
Measure the voltage between the No. 1 terminal (+) of the Lg sensor connector and body ground.

Is there approx. 5 V?

YES

NO

Measure the voltage between the TCS control unit 26P connector terminal 14A (+) and body ground.



View from terminal side  
RED/WHT WIRE (GSEN VCC)  
Approx. 5V?

Is there approx. 5 V?

YES

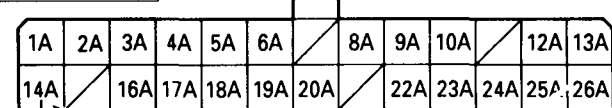
Repair open in RED/ WHT wire between the TCS control unit and Lg sensor.

NO

Turn the ignition switch OFF.

Disconnect the 26P connector from the TCS control unit and the 3P connector from the Lg sensor.

Check for continuity between the terminal 14A and body ground.



View from terminal side  
RED/WHT WIRE (GSEN VCC)  
Continuity?

Is there continuity?

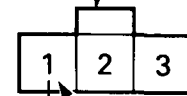
YES

Repair short in RED/WHT wire between the TCS control unit and Lg sensor.

NO

- Substitute a known-good TCS control unit and recheck.
- Check for poor connections or loose wires.

Lg SENSOR 3P CONNECTOR (HARNESS SIDE)



View from terminal side

RED/WHT WIRE  
Approx. 5 V?

(To page 19-115)



(From page 19-114)

Turn the ignition switch OFF.

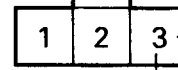
Check for continuity between the Lg sensor 3P connector No. 3 terminal and body ground.

Is there continuity?

NO

YES

Lg SENSOR 3P CONNECTOR  
(HARNESS SIDE)



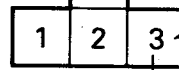
BLK WIRE

View from terminal side

Continuity?  $\Omega$



Lg SENSOR 3P CONNECTOR  
(HARNESS SIDE)



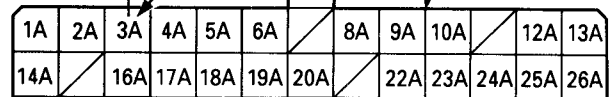
BLK WIRE

View from terminal side

Continuity?  $\Omega$

BLK WIRE  
(GSEN GND)

TCS CONTROL UNIT  
26P CONNECTOR  
(HARNESS SIDE)



View from terminal side

Disconnect the 26P connector from the TCS control unit and 3P connector from the Lg sensor.

Check the BLK wire for continuity between the TCS control unit and Lg sensor.

Is there continuity?

NO

Repair open in the BLK wire between the TCS control unit and Lg sensor.

YES

- Substitute a known-good TCS control unit and recheck.
- Check for poor connections or loose wires.

(To page 19-116)

(cont'd)

# Troubleshooting

## Lateral Acceleration (Lg) Sensor (cont'd)

(From page 19-115)

Turn the ignition switch ON.

Measure the voltage between the No. 2 terminal (+) of the Lg sensor connector and body ground.

Is there approx. 2.5 V?

YES

NO

Turn the ignition switch OFF.

Disconnect the 26P connector from the TCS control unit and the 3P connector from the Lg sensor.

Check for continuity between the No. 2 terminal and body ground.

Is there continuity?

YES

Repair short in RED/BLU wire between the TCS control unit and Lg sensor.

NO

Replace the Lg sensor.

Turn the ignition switch OFF.

Disconnect the 26P connector from the TCS control unit and the 3P connector from the Lg sensor.

Check the RED/BLU wire for continuity between the TCS control unit and the Lg sensor.

Is there continuity?

NO

Repair open in RED/BLU wire between the TCS control unit and Lg sensor.

YES

Check the Lg sensor function (see page 19-153).

Does it work properly?

YES

- Substitute a known-good TCS control unit and recheck.
- Check for poor connections or loose wires.

NO

Replace the Lg sensor.

