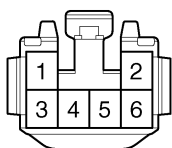


**Wire Harness Side:**

F03098

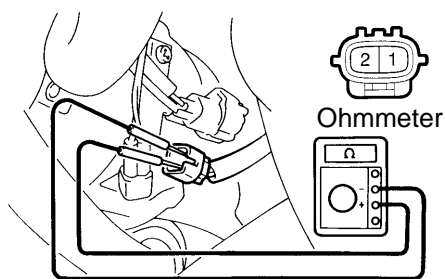
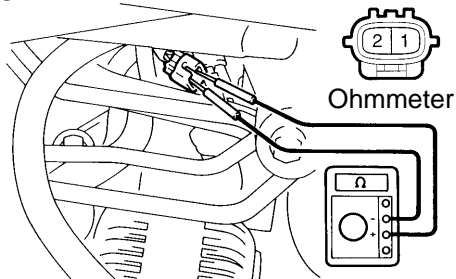
**INSPECTION**

1. **INSPECT ECU-IG FUSE (Engine room No.1 R/B)**  
(See page [BE-21](#))
2. **INSPECT PPS ECU CIRCUIT**
  - (a) Disconnect the PPS ECU connector.
  - (b) Inspect the connector on wire harness side, as shown in the illustration.

Tester connection	Condition	Specified condition
4 – Body ground	Ignition switch ON	Battery positive voltage
6 – Body ground	Ignition switch ON	Continuity
5 – 6*	Ignition switch ON Spin the rear wheel on one side with jacking or lifting UP.	$0 \rightarrow \infty \rightarrow 0 \rightarrow \infty \rightarrow$

If the circuit is not as specified, check and replace the wire harness.

\*If the circuit is not as specified, inspect the speed sensor.

**2JZ-GE:****3UZ-FE:**

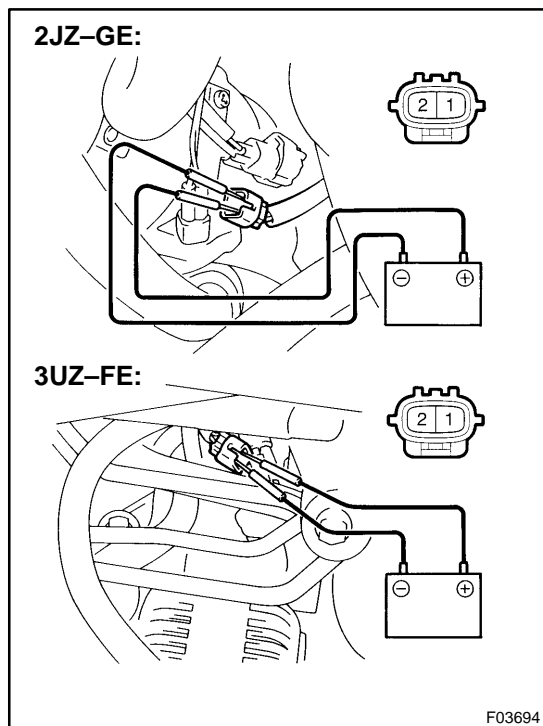
F03695

**3. INSPECT PPS SOLENOID VALVE**

- (a) Disconnect the PPS solenoid connector.
- (b) Measure the resistance between the terminals of the solenoid 1 and 2.

**Resistance: 6 – 11  $\Omega$**

If it is not as specified, replace the pressure control valve with the solenoid valve.

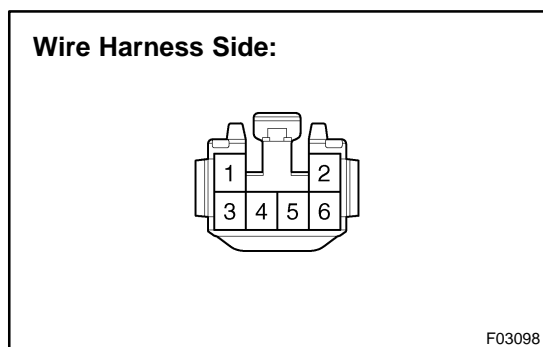


- (c) Check the PPS solenoid operation.
- (1) Connect the battery positive terminal to the solenoid terminal 1.
  - (2) Connect the battery negative terminal to the solenoid terminal 2.
  - (3) Check that the solenoid makes a "clicks" sound.

If it is faulty, replace the pressure control valve with the solenoid valve.

**NOTICE:**

- Do not apply voltage for more than 30 seconds to avoid burning out the solenoid.
  - If repeating this step, wait until the solenoid cools down enough that it can be touched by hand.
- (d) Connect the PPS solenoid connector.

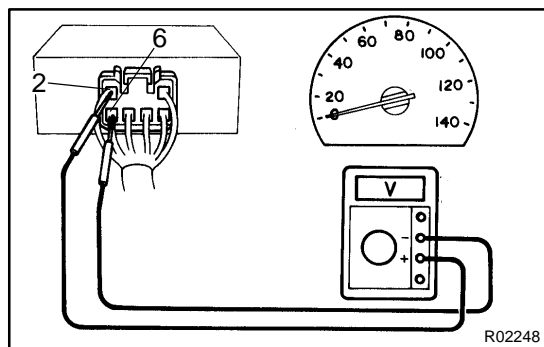


- (e) Inspect the PPS solenoid valve circuit.
- (1) Disconnect the PPS ECU connector.
  - (2) Check continuity between the terminals of the connector on wire harness side, as shown in the illustration.

Tester connection	Specified condition
1 – 6	No continuity
2 – 6	No continuity

If it is not as specified, repair or replace wire harness or connector.

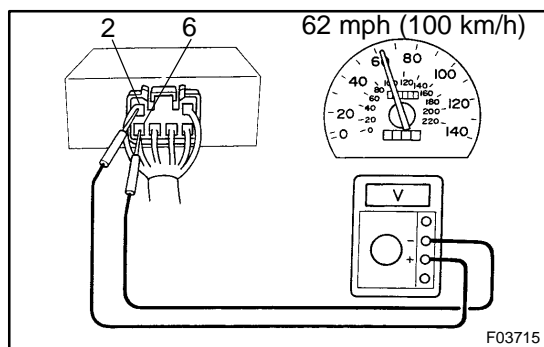
- (3) Connect the PPS ECU connector.



#### 4. INSPECT PPS ECU

- (a) Jack up the vehicle and support it on stands.
- (b) Start the engine.
- (c) Measure the voltage of ECU.
  - (1) Using a voltmeter, measure the voltage between ECU terminals 2 and 6 while the engine is idling.

**Standard voltage: 0.16 – 0.20 V**



- (2) Place the transmission in gear and while running at about 62 mph (100 km/h), measure the voltage between ECU terminals 2 and 6.

**Standard voltage: 0.01 – 0.07 V**

If no voltage, try another ECU for LEXUS GS430/300.

- (d) Lower the vehicle.