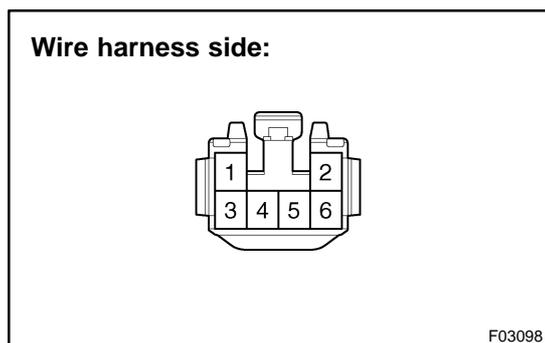


## INSPECTION

### NOTICE:

- When jacking or lifting up vehicles which have air suspension and running the engine, connect terminals T<sub>D</sub> and E<sub>1</sub> of DLC 2 before starting the inspection (See page SA-1).
- When replacing PPS ECU, be careful not to also replace tilt and telescopic ECU.

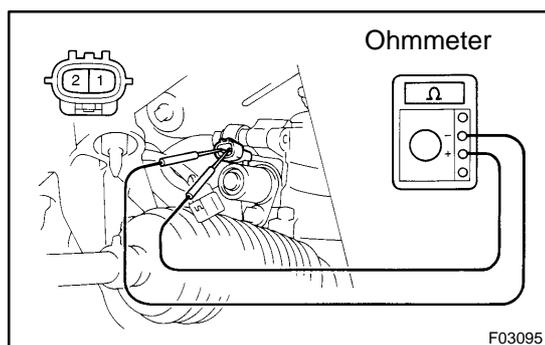


1. **INSPECT ECU-IG FUSE (Instrument panel J/B)**  
(See page BE-23)
2. **INSPECT PPS ECU CIRCUIT**
  - (a) Disconnect the PPS ECU connector.
  - (b) Inspect the connector on wire harness side, as shown in the illustration.

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 → ∞ → 0 → ∞ →

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

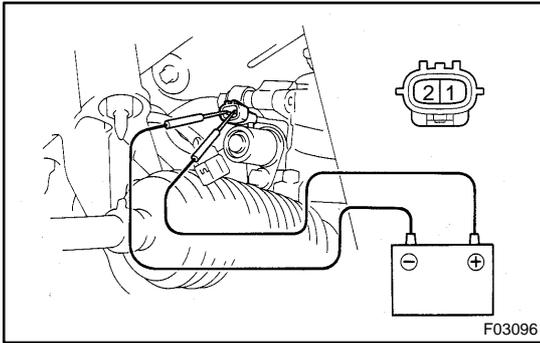
\*If the circuit is not as specified, inspect the speed sensor.



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 Ω**

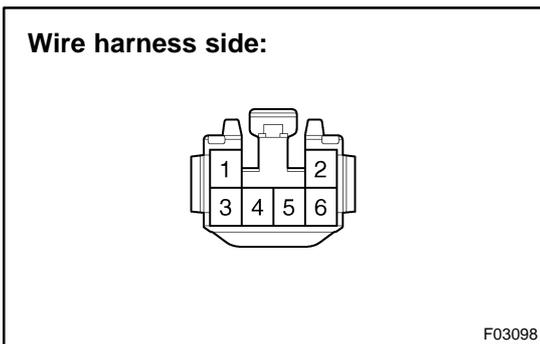
If it is not as specified, replace the pressure control valve with the solenoid valve.



- (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.

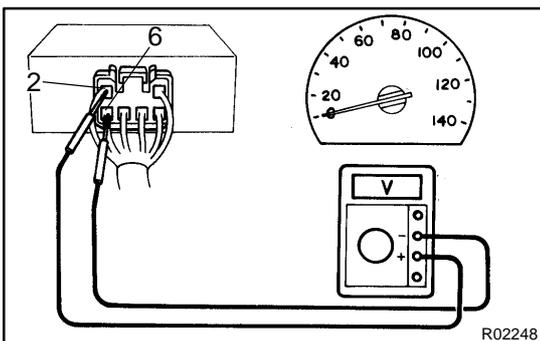


- (e) Inspect the PPS solenoid valve circuit.
  - (1) Disconnect the PPS ECU connector.
  - (2) Check continuity between the terminals of the connector on wire harness side, as shown in the illustration.

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

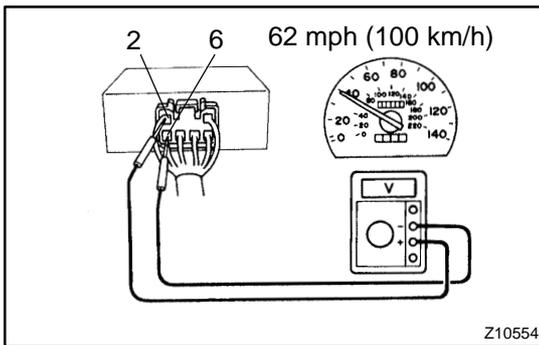
If it is not as specified, repair or replace wire harness or connector.

- (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: 0.33 – 0.43 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: 0.12 – 0.25 V**

If no voltage, try another ECU for LEXUS LS400.

- (d) Lower the vehicle.