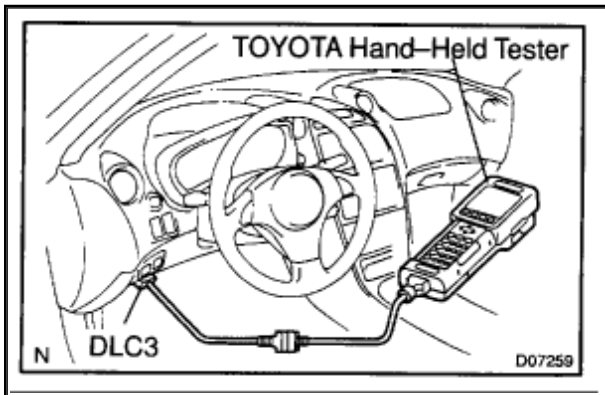


On-Vehicle Inspection

FUEL PUMP

ON-VEHICLE INSPECTION

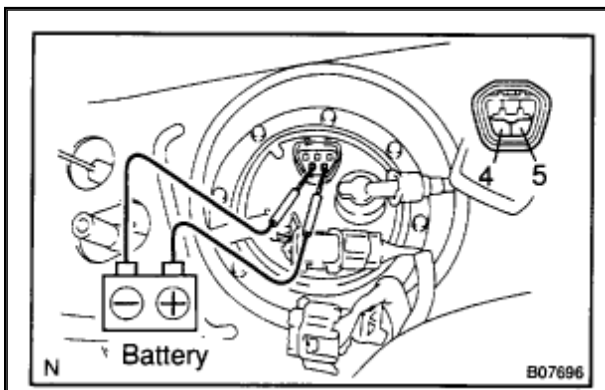
1. CHECK FUEL PUMP OPERATION



ZOOM

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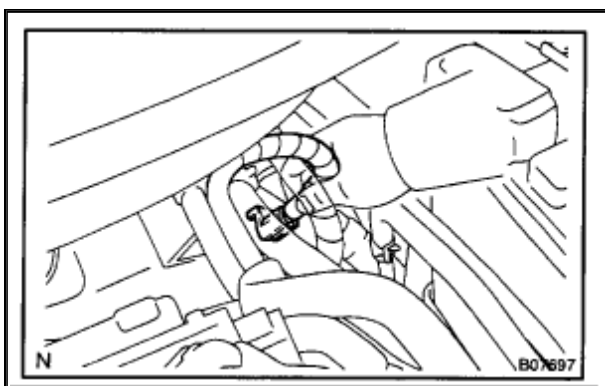
- a. Connect the TOYOTA hand-held tester to the [DLC3](#).
- b. Turn the ignition switch **ON** and TOYOTA hand-held tester main switch **ON** . **NOTE:** Do not start the engine.
- c. Select the active test mode on the TOYOTA hand-held tester.
- d. Please refer to the TOYOTA hand-held tester operator's manual for further details.



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- e. If you have no TOYOTA hand-held tester, connect the positive (+) lead from the battery to terminal 4 of the connector, and the negative (-) lead to terminal 5.



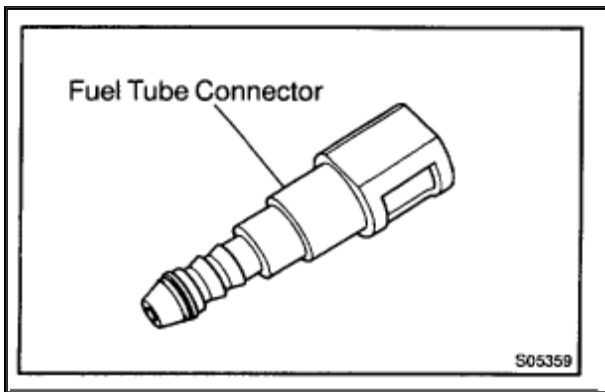
ZOOM

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- f. Check that there is pressure in the fuel inlet pipe from the fuel line. **HINT:** If there is fuel pressure, you will hear the sound if fuel flowing. If there is no pressure, check these parts, Fusible link, Fuses, [EFI Main relay](#), Fuel pump, [ECM](#), and Witting connector.
- g. Turn the ignition switch to LOCK.
- h. Disconnect the TOYOTA hand-held tester from the [DLC3](#).

2. CHECK FUEL PRESSURE

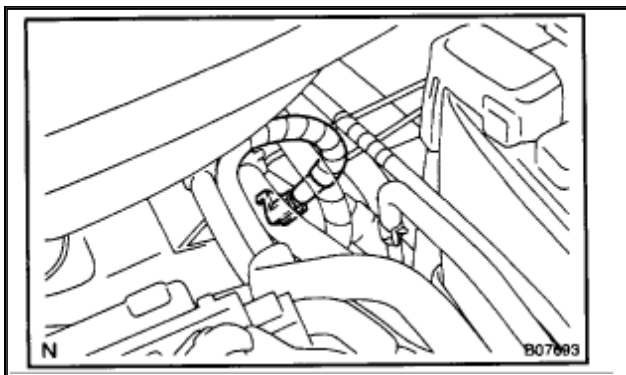
- a. Check the battery positive voltage is above **12 V**.
- b. Disconnect the negative (-) terminal cable from the battery.



ZOOM

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- c. Purchase the new fuel tube and take out the fuel tube connector from its pipe. Part No.: 23271-88600

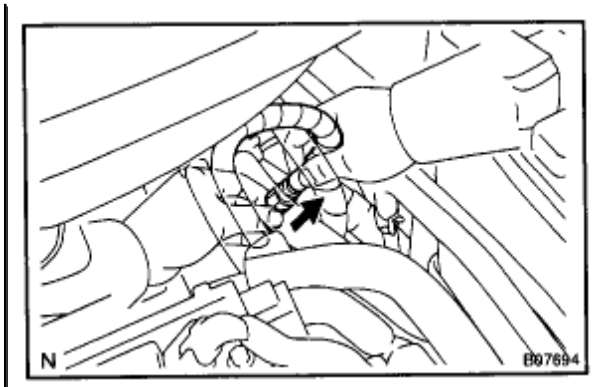


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- d. Remove the fuel pipe clamp.

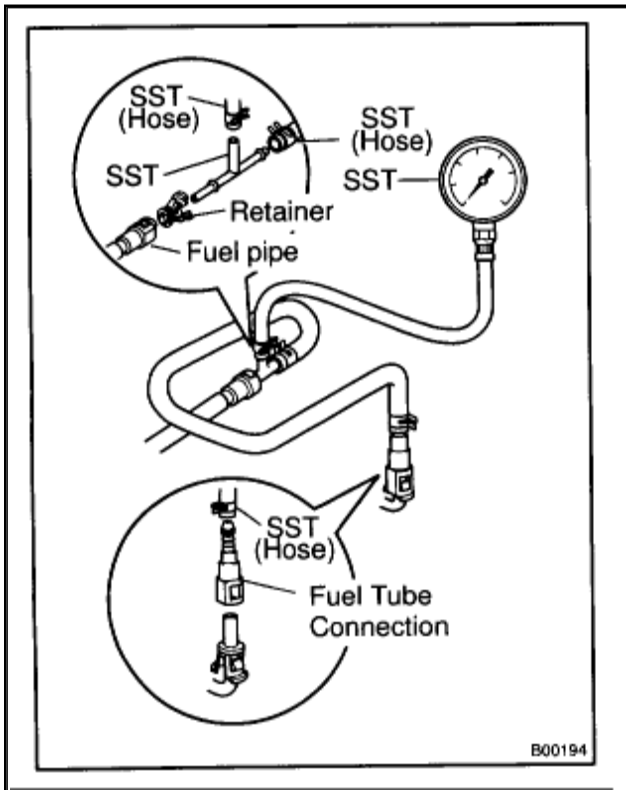




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- e. Disconnect the fuel tube (fuel tube connector) from the fuel pipe. **CAUTION:**
- Perform disconnecting operations of the fuel tube connector (quick type) after observing the precautions.
 - As there is retained pressure in the fuel pipe line, prevent it from splashing inside the engine compartment.

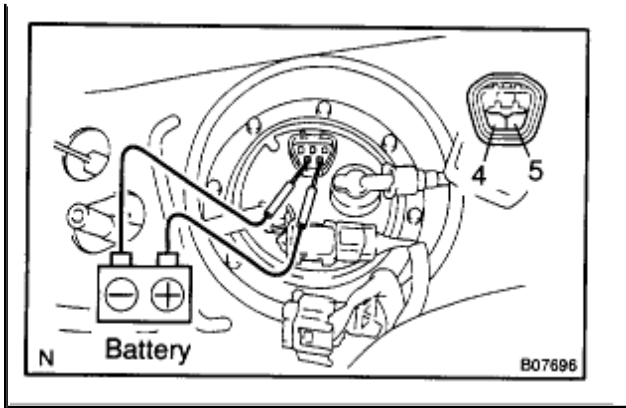


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- f. Install SST (pressure gauge) as shown in the illustration by using SST and fuel tube connector. SST 09268-41047 (95336-08070), 09268-45014 (09268-41200, 09268-41220, 09268-41250)
- g. Wipe off any splattered gasoline.
- h. Reconnect the negative (-) terminal cable to the battery.

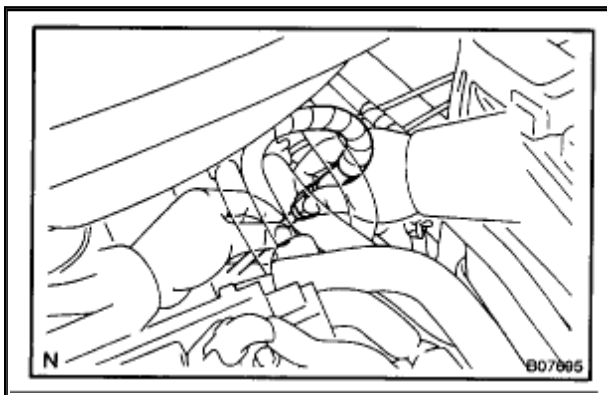




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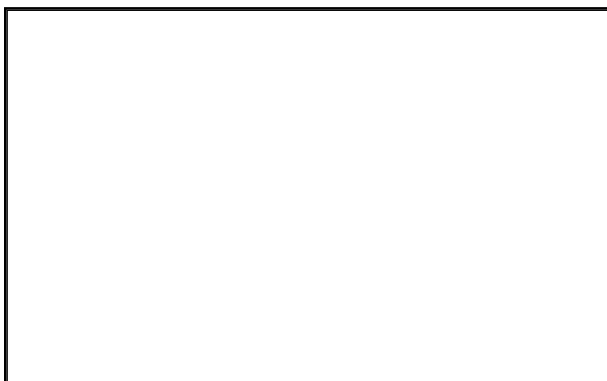
- i. Connect the TOYOTA hand-held tester to the [DLC3](#). If you have no TOYOTA hand-held tester, connect the positive (+) lead from the battery to terminal 4 of the connector, and the negative (-) lead to terminal 5.
- j. Measure the fuel pressure. Fuel pressure: **301 - 347 kPa (3.1 - 3.5 kg/sq.cm, 44 - 50 psi)** If pressure is high, replace the fuel pressure regulator. If pressure is low, check the Fuel hoses and connections, Fuel pump, [Fuel filter](#), and Fuel pressure regulator.
- k. Disconnect the TOYOTA hand-held tester from the [DLC3](#).
 - l. Start the engine.
- m. Measure the fuel pressure at idle. Fuel pressure: **301 - 347 kPa (3.1 - 3.5 kg/sq.cm, 44 - 50 psi)**
- n. Stop the engine.
- o. Check that the fuel pressure remains as specified for **5 minutes** after the engine has stopped. Fuel pressure: **147 kPa (1.5 kg/sq.cm, 21 psi)** or more If pressure is not as specified, check the fuel pump, pressure regulator and/or injectors.
- p. After checking fuel pressure, disconnect the negative (-) terminal cable from the battery and carefully, remove the SST and fuel tube connector to prevent gasoline from splashing. SST 09268-41047 (95336-08070), 09268-45014 (09268-41200, 09268-41220, 09268-41250)

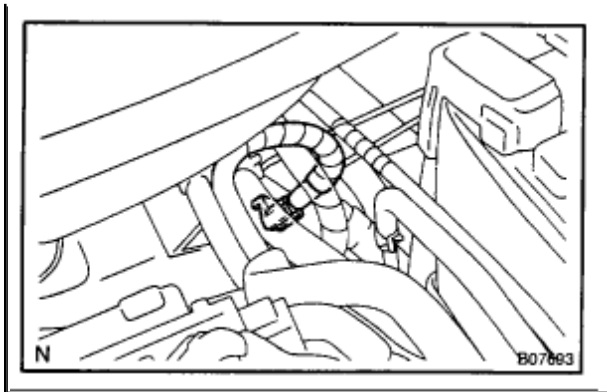


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- q. Reconnect the fuel tube (fuel tube connector). **CAUTION:** Perform connecting operations of the fuel tube connector (quick type) after observing the precautions.





ZOOM

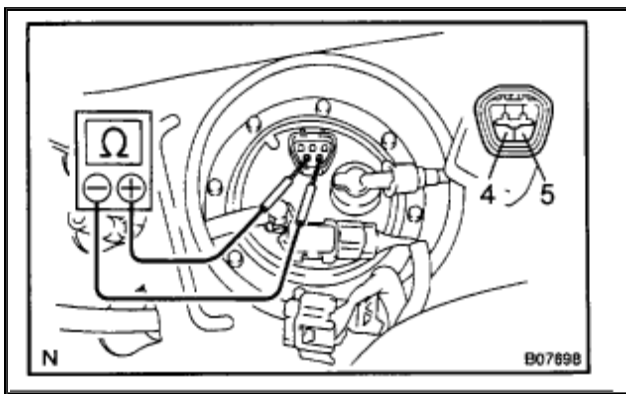
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- r. Install the fuel pipe clamp.
- s. Reconnect the negative (-) terminal cable to the battery.
- t. Check for fuel leakage.

3. REMOVE REAR SEAT CUSHION

4. REMOVE FLOOR SERVICE HOLE COVER

5. DISCONNECT FUEL PUMP & SENDER GAUGE CONNECTOR



ZOOM

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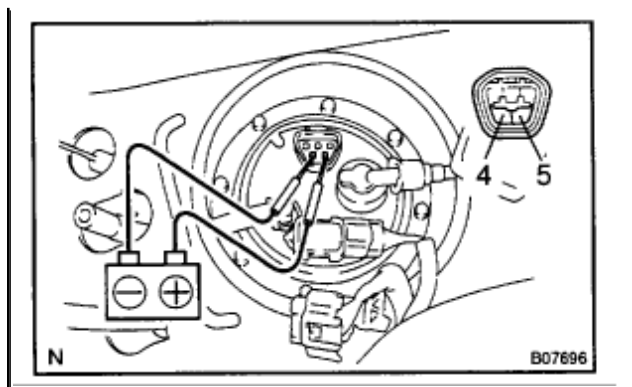
6. INSPECT FUEL PUMP RESISTANCE

Using an ohmmeter, measure the resistance between terminals 4 and 5.

Resistance: **0.2 - 3.0 ohms at 20 °C (68 °F)**

If the resistance is not as specified, replace the fuel pump.





ZOOM

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7. INSPECT FUEL PUMP OPERATION

Connect the positive (+) lead from the battery to terminal 4 of the connector and the negative (-) terminal 5. Check that the pump operates.

NOTE:

- These tests must be done quickly (within **10 seconds**) to prevent the coil burning out.
- Keep fuel pump as far away from the battery as possible.
- Always do the switching at the battery side. If operation is not as specified, replace the fuel pump or lead wire.

8. RECONNECT FUEL PUMP & SENDER GAUGE CONNECTOR

9. REINSTALL FLOOR SERVICE HOLE COVER

10. REINSTALL REAR SEAT CUSHION