

INJECTION PUMP (1HD-FTE) ON-VEHICLE INSPECTION

FU05I-01

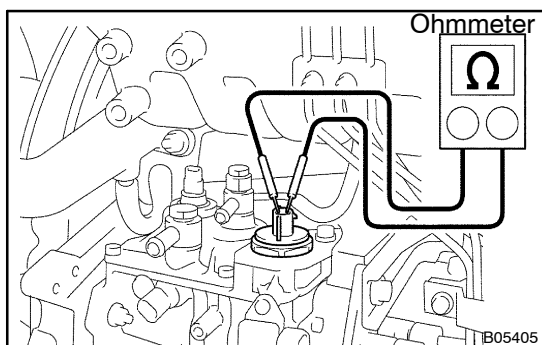
1. INSPECT ENGINE SPEED SENSOR RESISTANCE

- Disconnect the sensor connector.
- Using an ohmmeter, measure the resistance between the terminals.

Resistance: 205 – 255 Ω at 20° C (68° F)

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

- Reconnect the sensor connector.



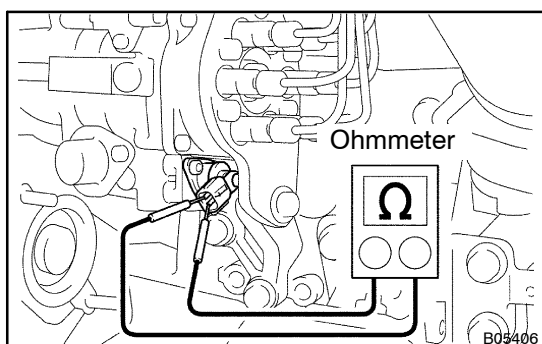
2. INSPECT SPILL CONTROL VALVE RESISTANCE

- Disconnect the valve connector.
- Using an ohmmeter, measure the resistance between the terminals.

Resistance: 1 – 2 Ω at 20° C (68° F)

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

- Reconnect the valve connector.



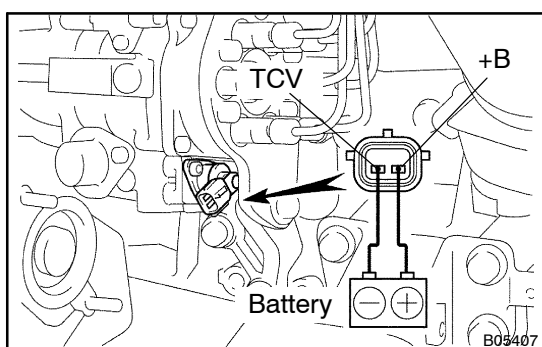
3. INSPECT TIMING CONTROL VALVE RESISTANCE

- Disconnect the valve connector.
- Using an ohmmeter, measure the resistance between terminals.

Resistance: 10 – 14 Ω at 20° C (68° F)

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

- Reconnect the valve connector.



4. INSPECT TIMING CONTROL VALVE OPERATION

- Disconnect the valve connector.
- Connect the battery positive (+) terminal to the valve terminal +B.
- Connect the battery negative (–) terminal to the valve terminal TCV.
- Check that the solenoid makes a "clicks" sound.

If operation is not as specified, replace the injection pump.

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.
- Reconnect the valve connector.

5. INSPECT FUEL TEMPERATURE SENSOR

(See page ED-6)