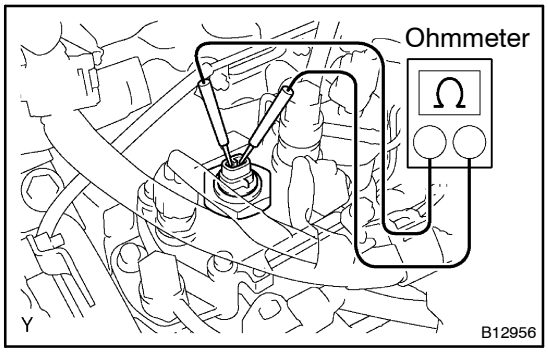
FUEL SYSTEM (1KZ–TE)

INSPECTION

110M7–01

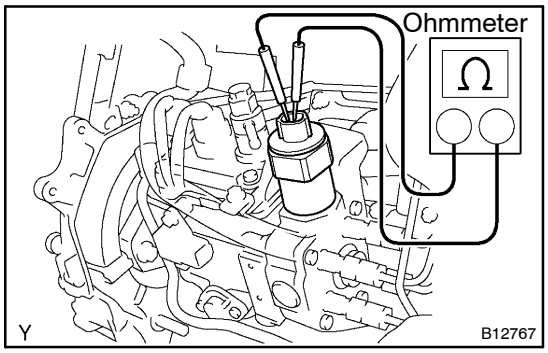


1. INJECTION OR SUPPLY PUMP ASSY

(a) Inspect engine speed sensor.

(1) Using an ohmmeter, measure the resistance between the terminals.

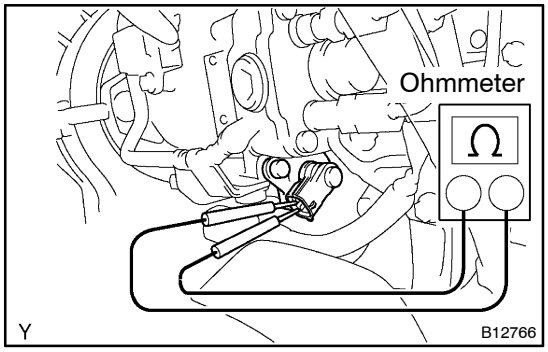
Resistance: 205 – 255 Ω at 20°C (68°F)



(b) Inspect spill control valve.

(1) Using an ohmmeter, measure the resistance between the terminals.

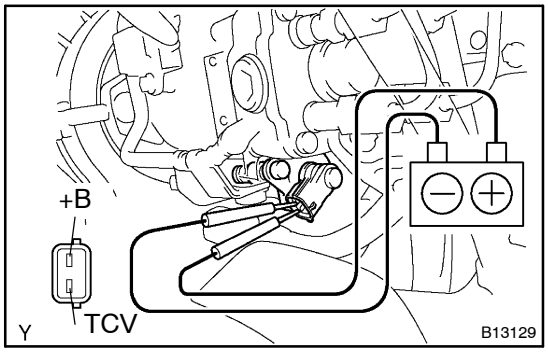
Resistance: 1 – 2 Ω at 20°C (68°F)



(c) Inspect timing control valve.

(1) Using an ohmmeter, measure the resistance between the terminals.

Resistance: 10 – 14 Ω at 20°C (68°F)



(d) Inspect the timing control valve solenoid operation.

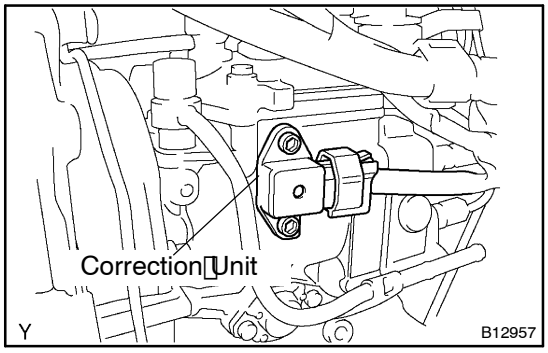
(1) Connect the battery positive the terminal to the timing control valve terminal +B.

(2) Connect the battery negative terminal to the timing control valve terminal TCV.

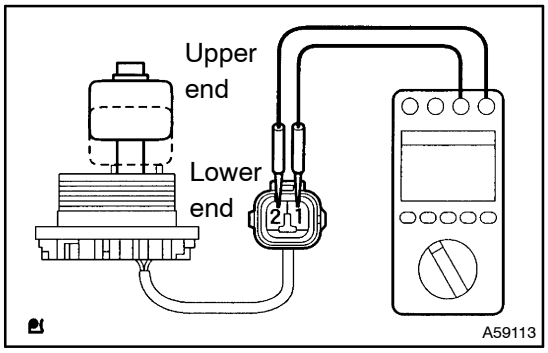
(3) Check that the solenoid makes a ”clicks” sound.

NOTICE:

- **Do not apply voltage for more than 30 seconds to avoid burning out the timing control valve solenoid.**
- **If repeating this step, wait until the solenoid coils become cool enough that it can be touched by head.**



(e) Inspect injection pump correction unit (See page 05–357).



2. LEVEL WARNING SWITCH

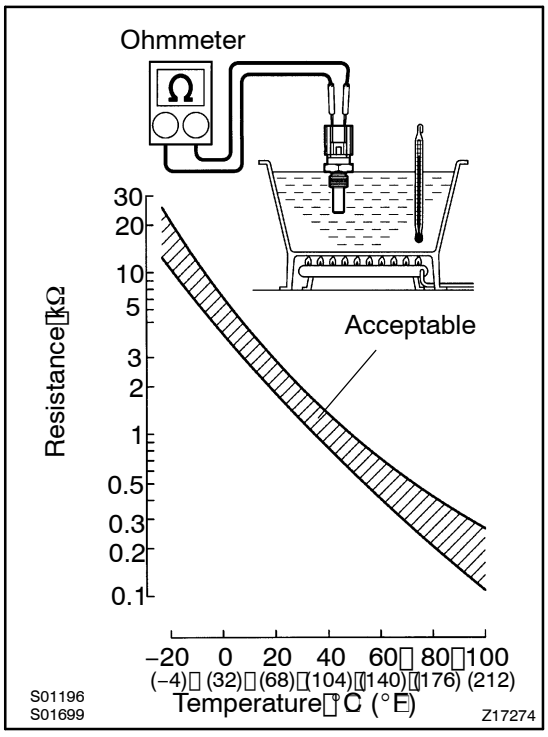
(a) Check the continuity

(1) Using an ohmmeter check the continuity between terminals.

Standard:

Upper end of the float: Continuity

Lower end of the float: No continuity



3. FUEL TEMPERATURE SENSOR

(a) Resistance inspection.

(1) Using an ohmmeter, measure the resistance between terminals.

Resistance:

2.21 – 2.69 kΩ at 20°C (68°F)

0.287 – 0.349 kΩ at 80°C (176°F)

NOTICE:

In case of checking the fuel temperature sensor in the water, be careful not to allow water top go into the terminals, and after checking, wipe out the sensor.