ST0OB–01

INSPECTION

1. INSPECT LIGHTING TIME OF GLOW INDICATOR LIGHT

Turn the ignition switch ON, and measure the lighting time.

Light lighting time (T1): Refer to the chart graph

2. INSPECT AFTER GLOW TIME

Turn the ignition switch to START, after the engine starts, measure the time when the battery voltage is applied to terminal S–REL of the engine ECU.

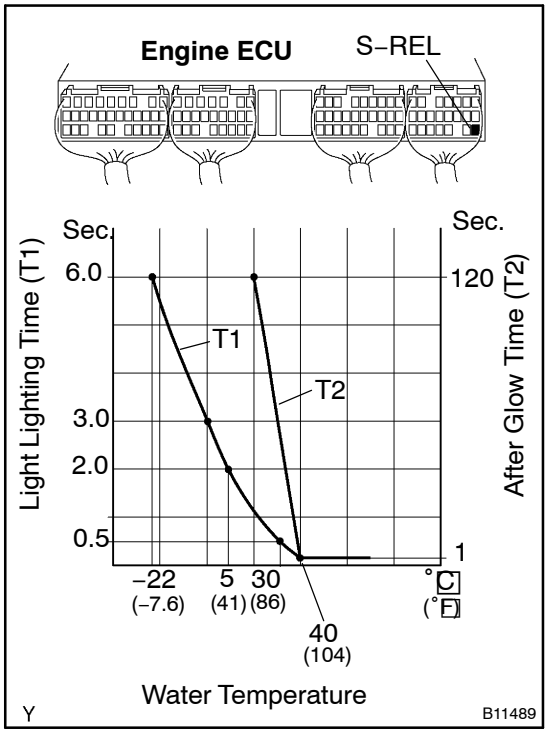
After glow time (T2): Refer to the chart graph

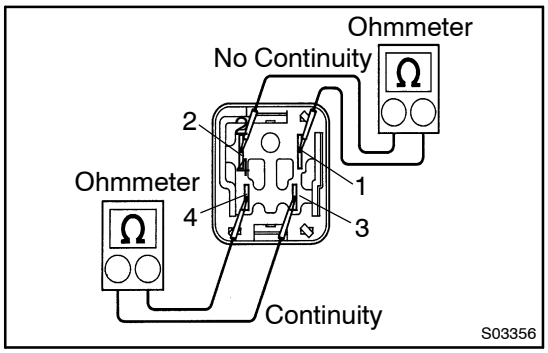
3. INSPECT ENGINE ECU (See page DI–143)

4. INSPECT GLOW PLUG RELAY (Making: GLOW)

(a) Remove the relay box cover.

(b) Remove the glow plug relay.





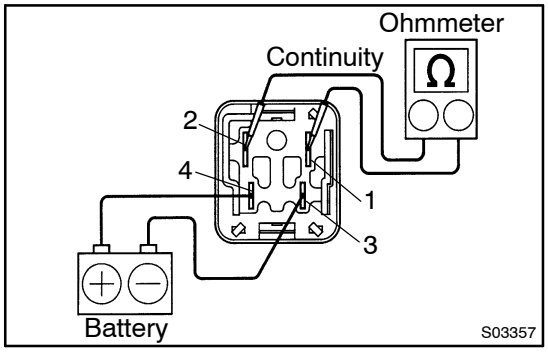
(c) Inspect the glow plug relay continuity.

(1) Using an ohmmeter, check that there is no continuity between terminals 1 and 2.

If there is continuity, replace the relay.

(2) Check that there is continuity between terminals 3 and 4.

If there is no continuity, replace the relay.



(d) Inspect the glow plug relay operation.

(1) Apply battery voltage across terminals 3 and 4.

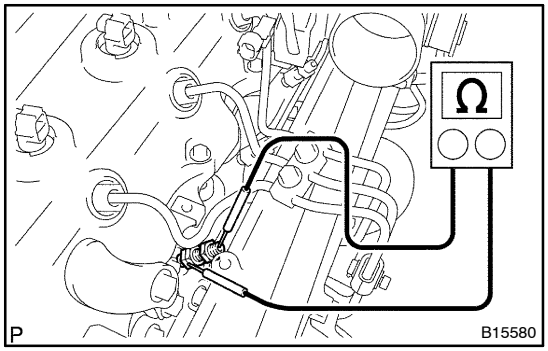
(2) Using an ohmmeter, check that there is continuity between terminals 1 and 2.

If there is no continuity, replace the relay.

(e) Reinstall the glow plug relay.

(f) Reinstall the relay box cover.

5. INSPECT WATER TEMPERATURE SENSOR (See page ED–12)



6. INSPECT GLOW PLUGS

Using an ohmmeter, check that there is continuity between the glow plug terminal and ground.

Standard resistance: Approx. 0.72 Ω at 20°C (68°F)

If there is no continuity, replace the glow plug.

NOTICE:

- **Be careful not to damage the glow plug pipes as it could cause an open circuit or shorten life of the glow plugs.**

- **Avoid getting oil and gasoline on the glow plug when cleaning.**
- **During inspection, be sure to wipe any oil of the terminal and bakelite washer with a dry cloth.**
- **Be careful no to apply more than 11 V to the glow plug as it could cause an open circuit.**