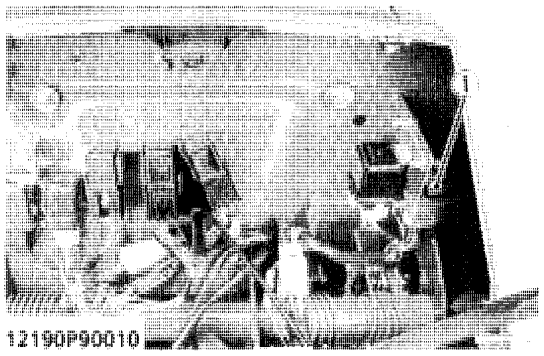
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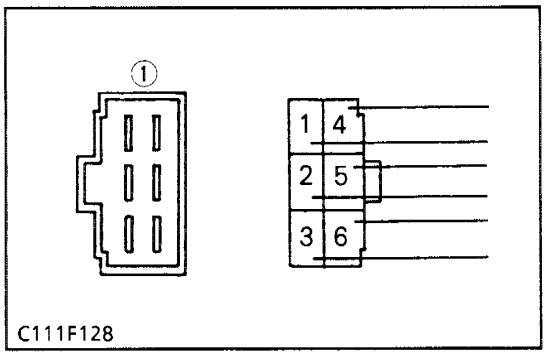

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Glow Controller

1. Turn the main switch off.
2. Disconnect the connector from glow controller (1).
3. Check the following using the **6P** connector of the wire harness.
4. In cases where all the inspection results are correct but the glow controller does not operate normally, replace the glow controller.

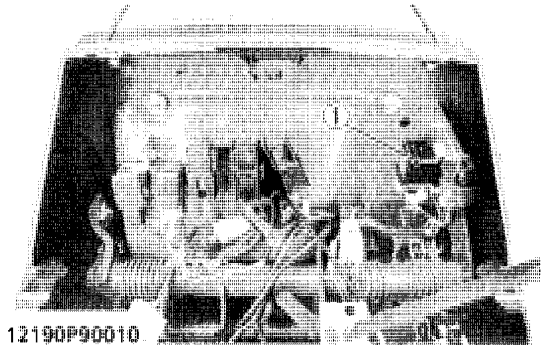
1) Main Switch ON Position

1. Turn the main switch on.
2. Measure the voltage across the terminal **4** and terminal **5** of the wiring harness or the terminal **2** and chassis.
3. The battery is normal if the voltage is 11 to 14 volts. If faulty, inspect the main switch, easy checker, glow relay, and wiring harness.

2) Main Switch Starting Position

1. Hold the main switch at the starting position.
2. Measure the voltage across the terminal **6** and chassis.
3. The battery is normal if the voltage is 11 to 14 volts. If the voltage is not in this range, inspect the main switch and wiring harness.

(1) Glow Controller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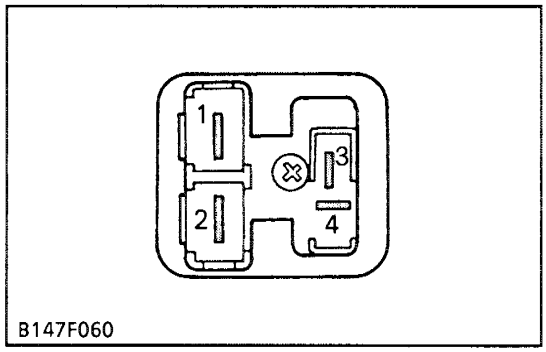

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Glow Relay

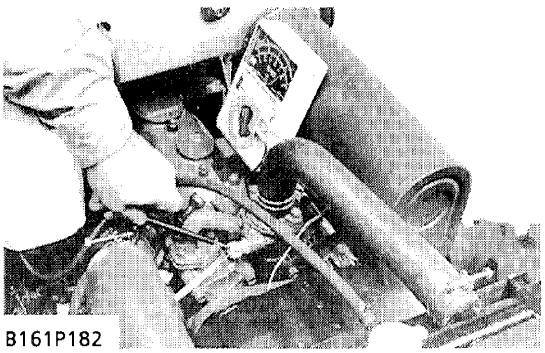
1) Connector Voltage

1. Turn the main switch off.
2. Disconnect the **1P** connectors and **2P** connector from glow relay (1).
3. Measure the voltage with a voltmeter across the **1P** connector **R** terminal (Positive) and chassis (Negative).
4. If the voltage differs from the battery voltage, the wiring harness is faulty.
5. Turn the main switch on.
6. Measure the voltage with a voltmeter across the **2P** connector **RW** terminal (Positive) and chassis (Negative).
7. If the voltage differs from the battery voltage, the wiring harness is faulty.

2) Glow Relay Test

1. Remove the glow relay (1).
2. Apply battery voltage across terminals **3** and **4**, and check for continuity across terminals **1** and **2**.
3. If continuity is not established across terminals **1** and **2**, replace the glow relay (1).

(1) Glow Relay


B161P182

Water Temperature Sensor Continuity

1. Disconnect the connector from the water temperature sensor.
2. Measure the resistance with an ohmmeter.
3. If the measurement is not indicated, the sensor is faulty.

Resistance	Reference value	Approx. 16.2 kΩ at – 20 °C (– 4 °F) Approx. 3.88 kΩ at 0 °C (32 °F) Approx. 2.45 kΩ at 20 °C (68 °F) Approx. 1.14 kΩ at 40 °C (104 °F) Approx. 0.58 kΩ at 60 °C (140 °F) Approx. 0.32 kΩ at 80 °C (176 °F)