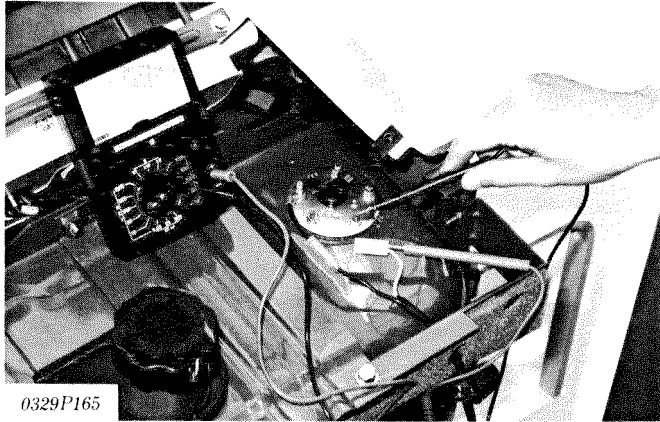
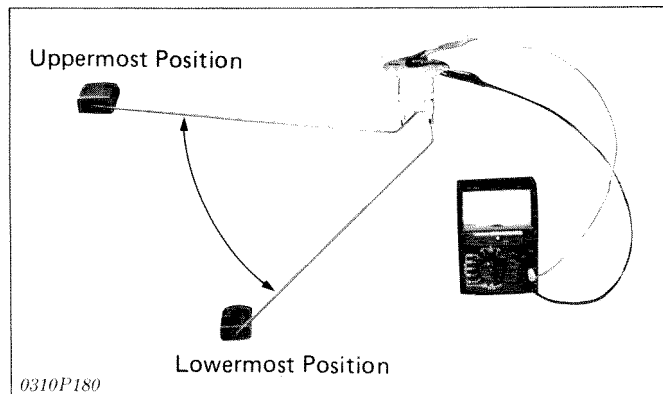


[7] GAUGE

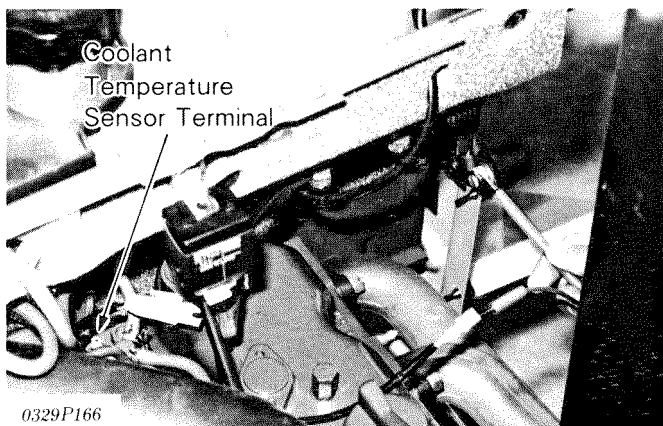
CHECKING



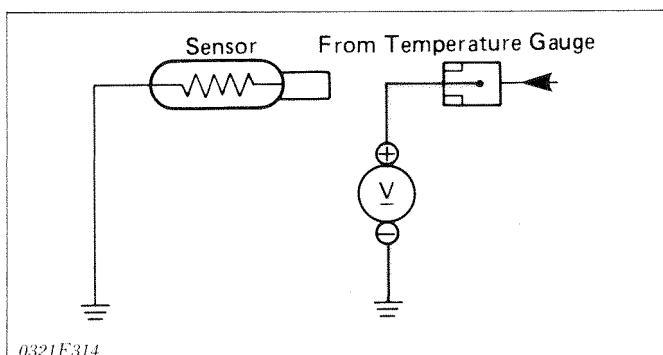
0329P165



0310P180



0329P166



0321F314

Fuel Level Sensor

1) Lead Terminal Voltage

1. Disconnect the connector from the fuel gauge unit after turning the main switch off.
2. Turn the main switch on and measure the voltage with a voltmeter across the connector terminal and the chassis.
3. If the voltage differs from the battery voltage, the wiring harness is faulty.

Voltage	Lead terminal — Chassis	Approx. battery voltage
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2) Sensor Continuity

1. Remove the fuel level sensor from the fuel tank.
2. Measure the resistance with an ohmmeter across the sensor terminal and its body.
3. If the reference values are not indicated, the sensor is faulty.

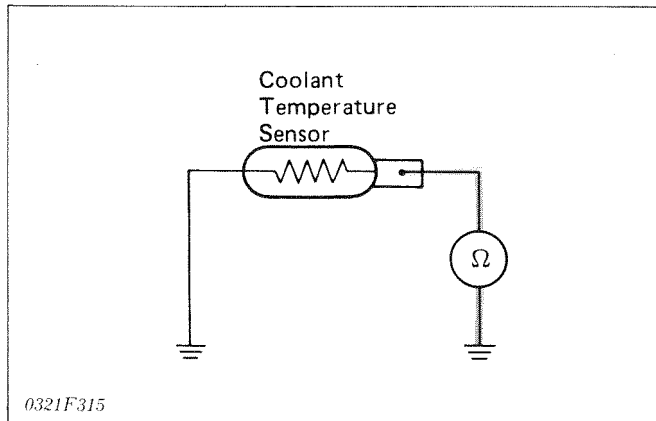
Resistance (Sensor terminal — Its body)	Reference value	Float at upper- most position	1 to 5 ohms
		Float at lower- most position	103 to 117 ohms

Coolant Temperature Sensor

1) Lead Terminal Voltage

1. Disconnect the lead from the coolant temperature sensor after turning the main switch off.
2. Turn the main switch on, and measure the voltage with a voltmeter across the lead terminal and the chassis.
3. If the voltage differs from the battery voltage, the wiring harness, fuse or coolant temperature gauge is faulty.

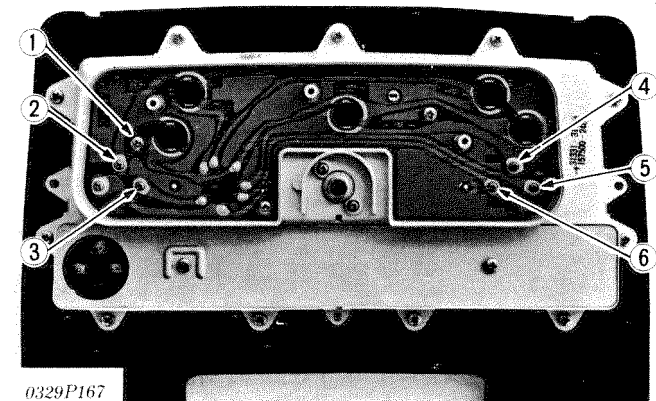
Voltage	Lead terminal — Chassis	Approx. battery voltage
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2) Sensor Continuity

1. Measure the resistance with an ohmmeter across the sensor terminal and the chassis.
2. If the reference value is not indicated, the sensor is faulty.

Resistance (Sensor terminal — Chassis)	Reference value	Approx. 12.2 ohms at 130°C (266°F) Approx. 23.6 ohms at 105°C (221°F) Approx. 51.9 ohms at 80°C (176°F) Approx. 153.9 ohms at 50°C (122°F) Approx. 800.0 ohms at 19°C (66.2°F)
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|------------------|------------------|
| (1) GND Terminal | (4) GND Terminal |
| (2) IG Terminal | (5) Fu Terminal |
| (3) Tu Terminal | (6) IG Terminal |

Fuel Gauge, Coolant Temperature Gauge

1. Remove the panel board from the tractor.
2. Measure the resistances with an ohmmeter across the FU terminal (5) and IG (6) terminal and across the FU terminal (5) and GND (4) terminal.
3. If the reference values are not indicated, the fuel gauge is faulty.
4. Measure the resistances with an ohmmeter across the TU (3) terminal and IG (2) terminal and across the TU (3) terminal and GND (1) terminal.
5. If the reference values are not indicated, the coolant temperature gauge is faulty.

Fuel Gauge			
Resistance	Reference value	FU — IG	60 to 68Ω
		FU — GND	166.5 to 171.5Ω

Coolant Temperature Gauge			
Resistance	Reference value	TU — IG	86 to 94Ω
		TU — GND	155.3 to 160.3Ω

(29°C, 84°F)