PART NO. TTNGE40-EN-00

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Technical Manual
Troubleshooting

ZW

330-6
Wheel Loader

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TONGE40-EN
Technical Manual (Troubleshooting)	: Vol. No.TTNGE40-EN
Workshop Manual	: Vol. No.WNGE40-EN

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Test Harness

Prepare appropriate tools as shown.

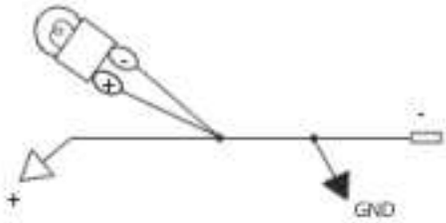
Install a test harness between connectors.
Check the circuit condition depending on whether the test harness lamp lights or extinguishes during operation.

- Check Lamp

Use in order to check a single-line (discontinuity and/or voltage).

- During Operation: Light is ON.

Check Lamp



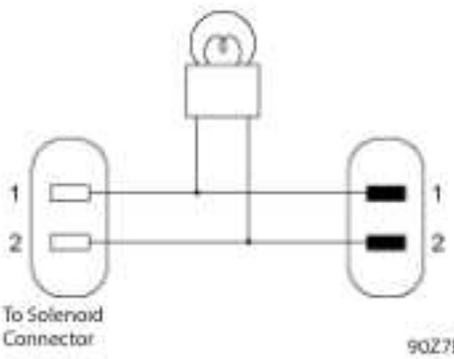
T107-07-05-012

- Solenoid Check Lamp

Use in order to check the solenoid valve unit circuits.

- When the corresponding control lever or switch is operated: Light is ON.

Solenoid Check Lamp



90Z78-05-01-04

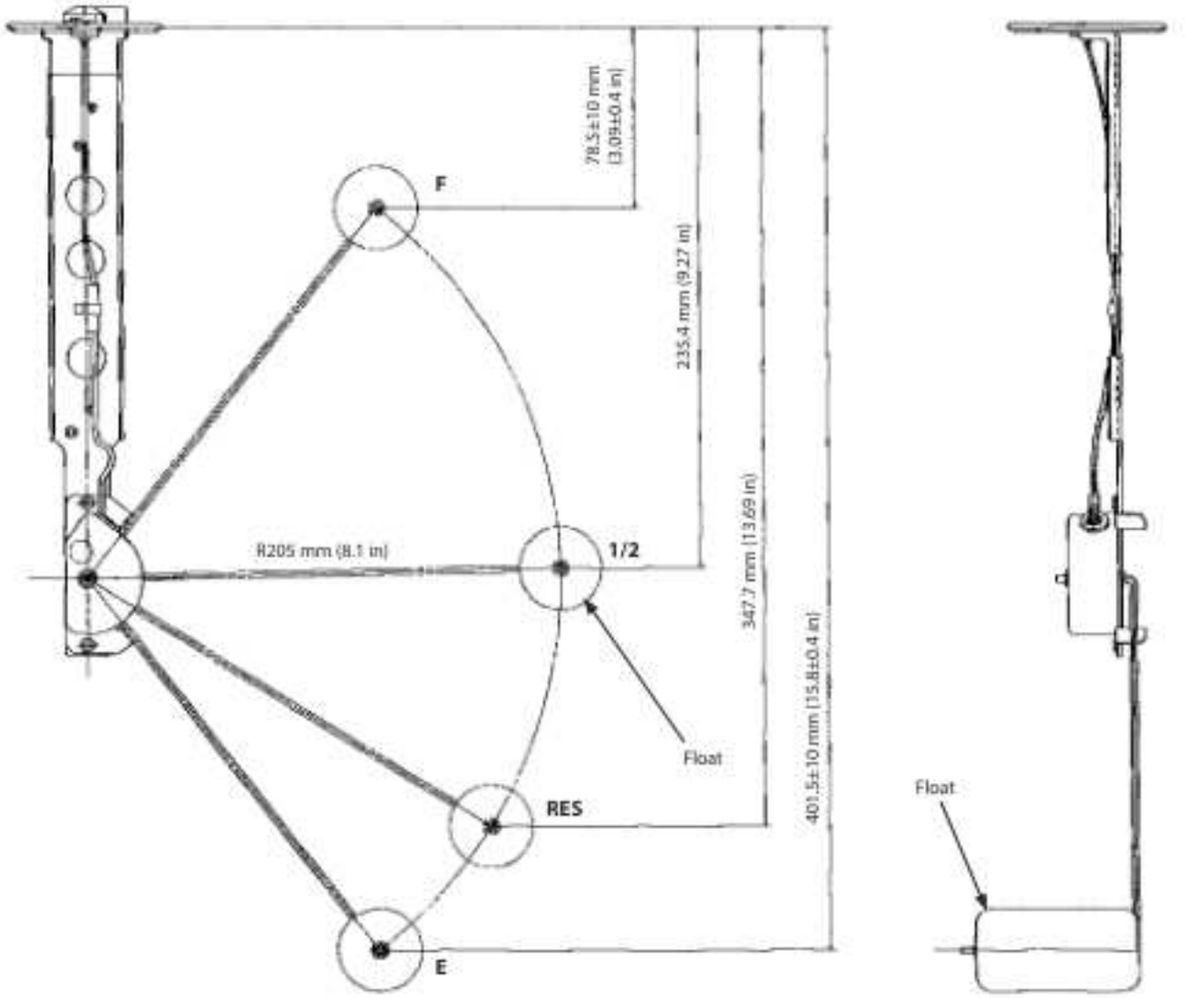
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Monitor Controller (Information) Fault Code List

Fault Code	Trouble or MP Dr. Message	Cause	Remedy
113311-3	Fuel Level Sensor Circuit High Input	131±5 Ω or less continues for 5 seconds.	Check the harness. Replace the fuel level sensor.
113311-4	Fuel Level Sensor Circuit Low Input	4±2 Ω or less continues for 5 seconds.	Check the harness. Replace the fuel level sensor.
114001-2	Flash Memory Read/ Write Error	The internal memory of monitor controller is abnormal.	After initializing the monitor controller (information) by using MPDr., retry the troubleshooting. If the fault code is displayed after retry, the monitor controller may be broken. Replace the monitor controller. When initializing the monitor controller (information), all stored data is deleted.
114002-2	External RAM Read/ Write Error	The internal memory of monitor controller is abnormal.	After initializing the monitor controller (information) by using MPDr., retry the troubleshooting. If the fault code is displayed after retry, the monitor controller may be broken. Replace the monitor controller. When initializing the monitor controller (information), all stored data is deleted.
114003-2	Abnormal EEPROM	The internal memory of monitor controller is abnormal.	Retry the troubleshooting by using MPDr. If the fault code is displayed after retry, the monitor controller may be broken. Replace the monitor controller.
114008-2	Abnormal Internal RAM	The internal memory of monitor controller is abnormal.	Retry the troubleshooting by using MPDr. If the fault code is displayed after retry, the monitor controller may be broken. Replace the monitor controller.

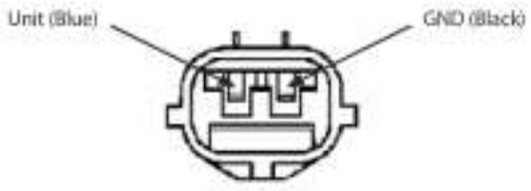
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Fuel Level Sensor Specifications



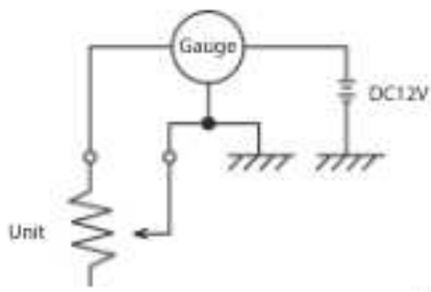
35828-60580

- Fuel Sensor Harness Connector



35828-60470C1

- Fuel Sensor Circuit



35828-60470

NOTE: Refer to the table on the previous page for the resistance.

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