PART NO. TT4FN-EN-00

HITACHI

Reliable solutions

Technical Manual
Troubleshooting
ZW80
Wheel Loader

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TO4FN-EN
Technical Manual (Troubleshooting)	: Vol. No.TT4FN-EN
Workshop Manual	: Vol. No.W4FG-E

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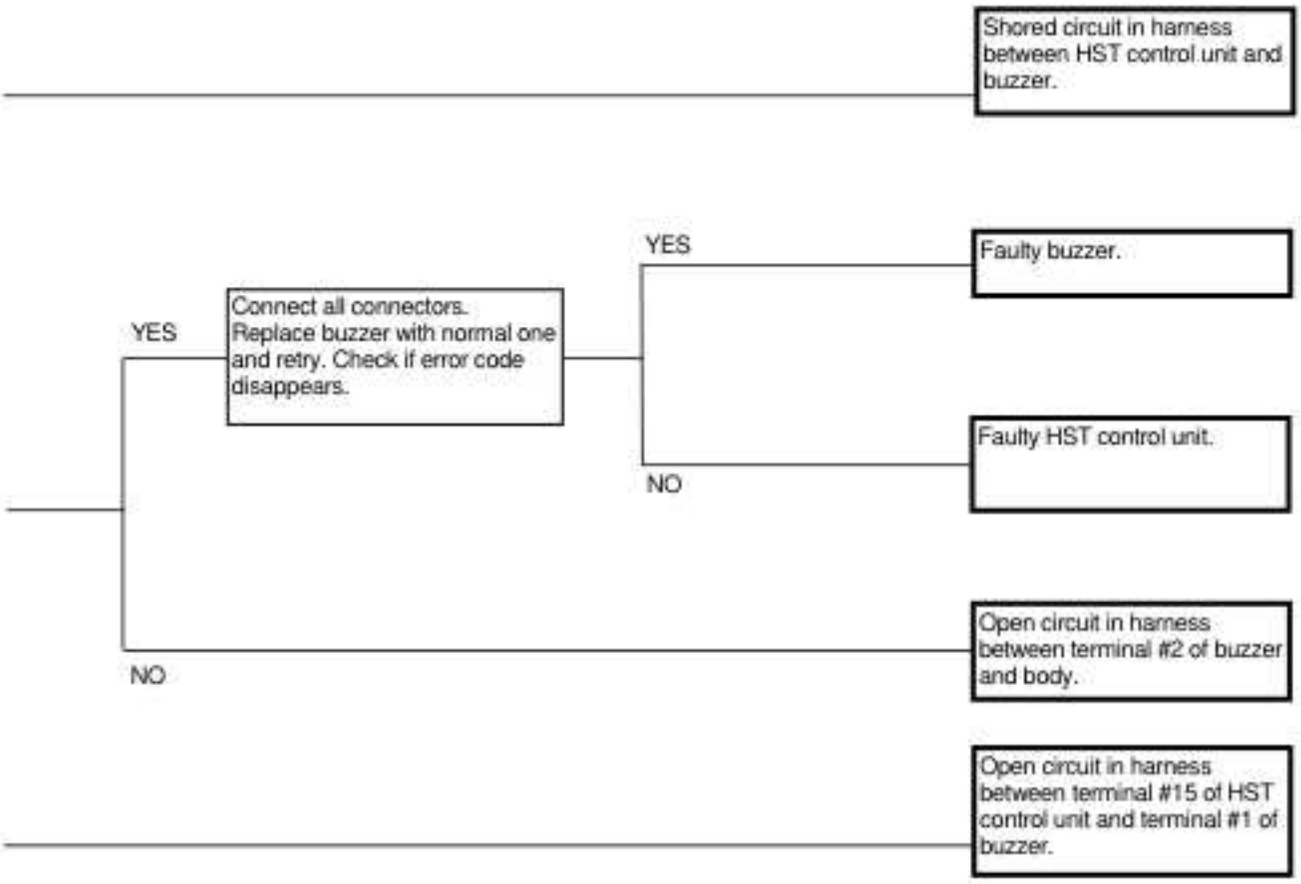
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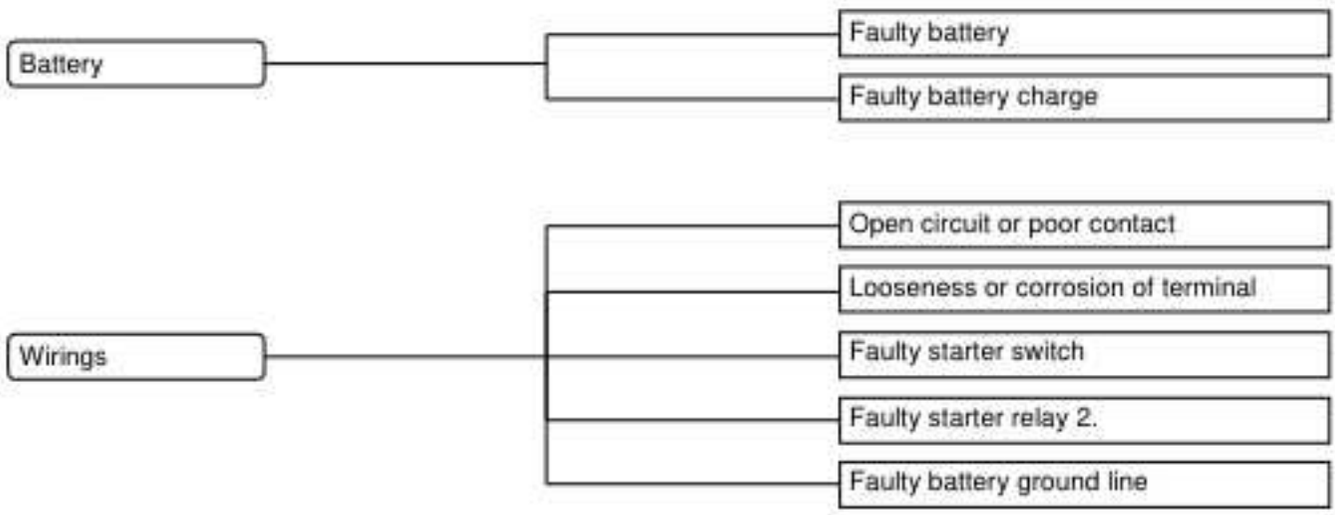
Symptoms in Machine Operation When Trouble Occurs.	Remedy
The buzzer cannot output when the machine overruns.	Check the harness. Replace the buzzer.



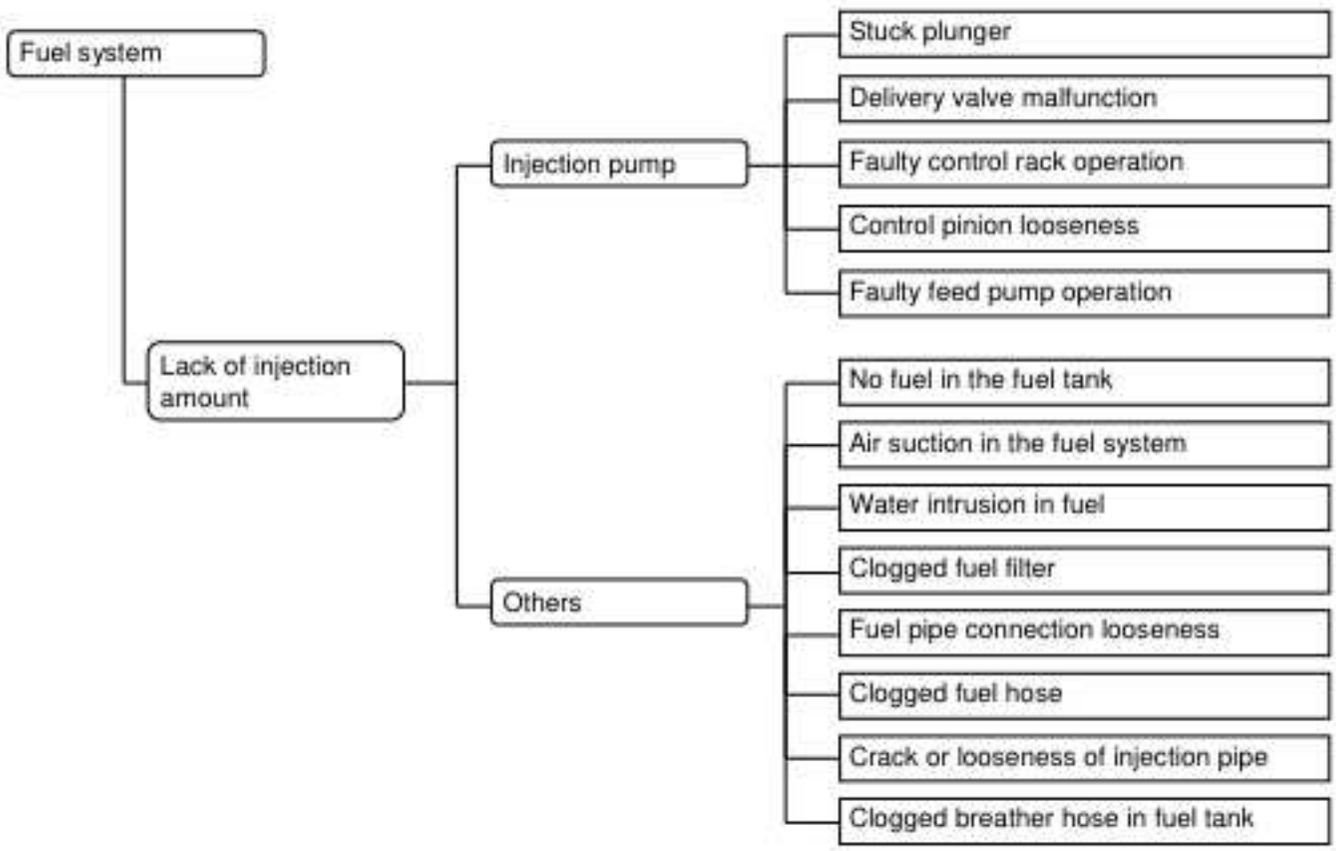
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ENGINE SYSTEM TROUBLESHOOTING

Trouble symptoms	1. Starter motor does not operate.



Trouble symptoms	2. Hard to start engine



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Trouble symptoms	A-4. Travel at engine low idle speed.

(1) Engine low idle speed is too high.

↓

Measure the engine low idle speed.

1. Measure the engine low idle speed according to Engine Performance Test / Engine speed.
2. As for specification, refer to Operational Performance Standard.

↓

Out of Specification

1. The adjustment of accelerator linkage is faulty. Even if the accelerator pedal is returned, the pedal does not get in contact with the low idle stopper in the governor.
2. Foreign objects get caught in the accelerator pedal and the accelerator pedal is not returned completely.
3. Rust and stuck of accelerator linkage.

Within Specification

↓

Faulty bleeding air from HST circuit.

(2) Faulty bleeding air from HST circuit

↓

1. When the machine travels with the forward/reverse lever set in the Neutral position, perform the check of hydraulic oil. (Especially pay attention to viscosity)
2. After the engine starts, when the machine travels with the forward/reverse lever set in the Neutral position for a moment, bleed air from HST circuit.
   Cause of trapping air is replacement of hydraulic oil filter or element, repair of motor or residual air when replacing HST piping or hose. If any cause cannot be found, as air may be sucked from the loosened part of HST piping and hose, check and retighten the hose and piping

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(Troubleshooting)

TECHNICAL MANUAL (Operational Principle)

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All information, illustrations and specifications in this manual are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.

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