PART NO. TTCJB-E-00

HITACHI

Technical Manual

Troubleshooting

ZAXIS

210W-3
220W-3

Wheeled Excavator

Service Manual consists of the following separate Part No;

Technical Manual (Operational Principle)	: Vol. No.TOCJB-E
Technical Manual (Troubleshooting)	: Vol. No.TTCJB-E
Workshop Manual	: Vol. No.WCJB-E

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SECTION 4

OPERATIONAL PERFORMANCE TEST



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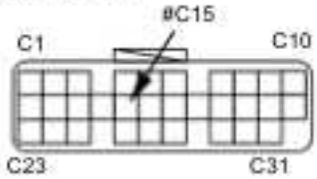
ICF FAULT CODE LIST

Fault Code	Trouble	Cause	Remedy
14000-2	Abnormal CAN Communication	Data cannot be received due to the noise on the CAN bus line.	Check for CAN communication bus line.
14001-2	Flash Memory: Read / Write Error	The internal memory is abnormal when the key is ON.	After initializing the information C/U by using Dr. ZX, retry in the troubleshooting. If the error code is displayed after retry, ICF may be broken. Replace ICF. *NOTE: When initializing the information C/U, all stored data is deleted.*
14002-2	External RAM: Read / Write Error	The internal memory is abnormal when the key is ON.	After initializing the information C/U by using Dr. ZX, retry in the troubleshooting. If the error code is displayed after retrial, ICF may be broken. Replace ICF. *NOTE: When initializing the information C/U, all stored data is deleted.*
14003-2	EEPROM: Sum Check Error	The internal memory is abnormal when the key is ON.	Retry in the troubleshooting by using Dr. ZX. If the error code is displayed after retrial, ICF may be broken. Replace ICF.
14006-2	Satellite Communication Terminal: Communication Error	Communication to the satellite terminal cannot be done over 30 seconds.	Check for the items below. 1. Check if the communication line is abnormal. 2. Check if the electrical power source of communication terminal is abnormal. • Electrical power source • Fuses 3. Check if the satellite terminal is broken.
14008-2	Abnormal Internal RAM	The internal memory is abnormal when the key is ON.	Retry in the troubleshooting by using Dr. ZX. If the error code is displayed after retrial, ICF may be broken. Replace ICF.

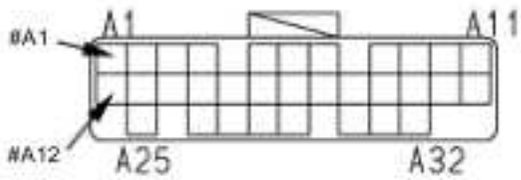
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- MC
  Between CAN Circuit (Low Side) and Power Circuit
  - Check for continuity between terminal #C15 (harness end) of connector MC-C and terminal #A1 (harness end) of connector MC-A.
  - Check for continuity between terminal #C15 (harness end) of connector MC-C and terminal #A12 (harness end) of connector MC-A.
  - Check for continuity between terminal #C15 (harness end) of connector MC-C and terminal #B7 (harness end) of connector MC-B.
  - Check for continuity between terminal #C15 (harness end) of connector MC-C and terminal #B17 (harness end) of connector MC-B.

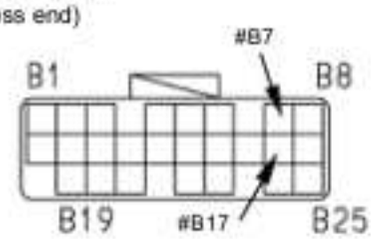
Connector
Connector MC-C
(Harness end)



Connector MC-A
(Harness end)



Connector MC-B
(Harness end)



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