PART NO. TOCFA-E-00

HITACHI

Technical Manual

Operational Principle

ZX
145W-3

Wheeled Excavator

Service Manual consists of the following separate Part No.

Technical Manual (Operational Principle)	: Vol. No.TOCFA-E
Technical Manual (Troubleshooting)	: Vol. No.TTCFA-E
Workshop Manual	: Vol. No.WCFA-E

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- Fuel Sensor Error Display

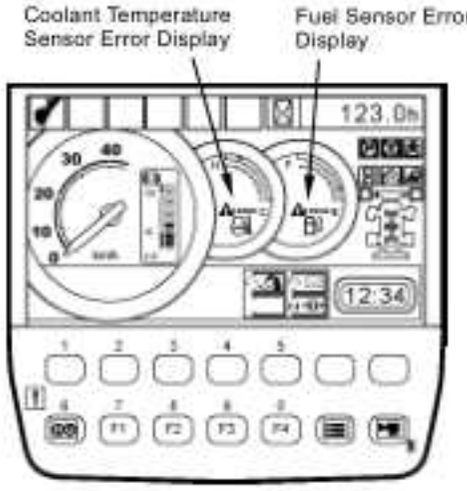
TCJB-05-02-104

When the fuel sensor is faulty or if the harness between fuel sensor and monitor unit is open circuit, the data is displayed on the fuel gauge.

- Coolant Temperature Sensor Error Display

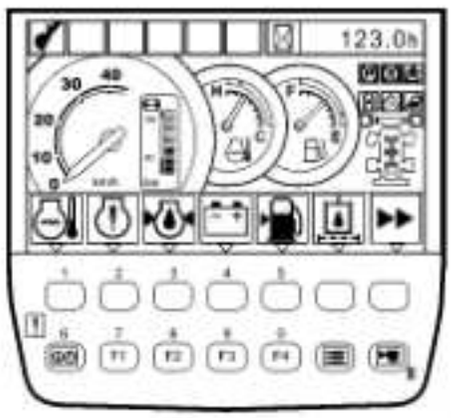
TCJB-05-02-103

When the coolant temperature sensor is faulty, the data is displayed on the coolant temperature gauge.



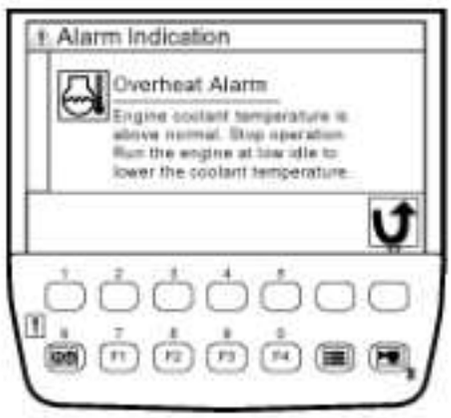
TCJB-05-02-045

- Alarm and Remedy Displays against Alarm
  Alarm marks are displayed on bottom of the screen according to the alarm signals from pilot shut-off lever, overheat switch, fuel sensor, hydraulic oil filter, alarm switch (optional), air cleaner restriction switch, alternator, battery system, and ECM and the alarm signals received from MC by using CAN. The remedy for each alarm is displayed by key operation.



Alarm Display

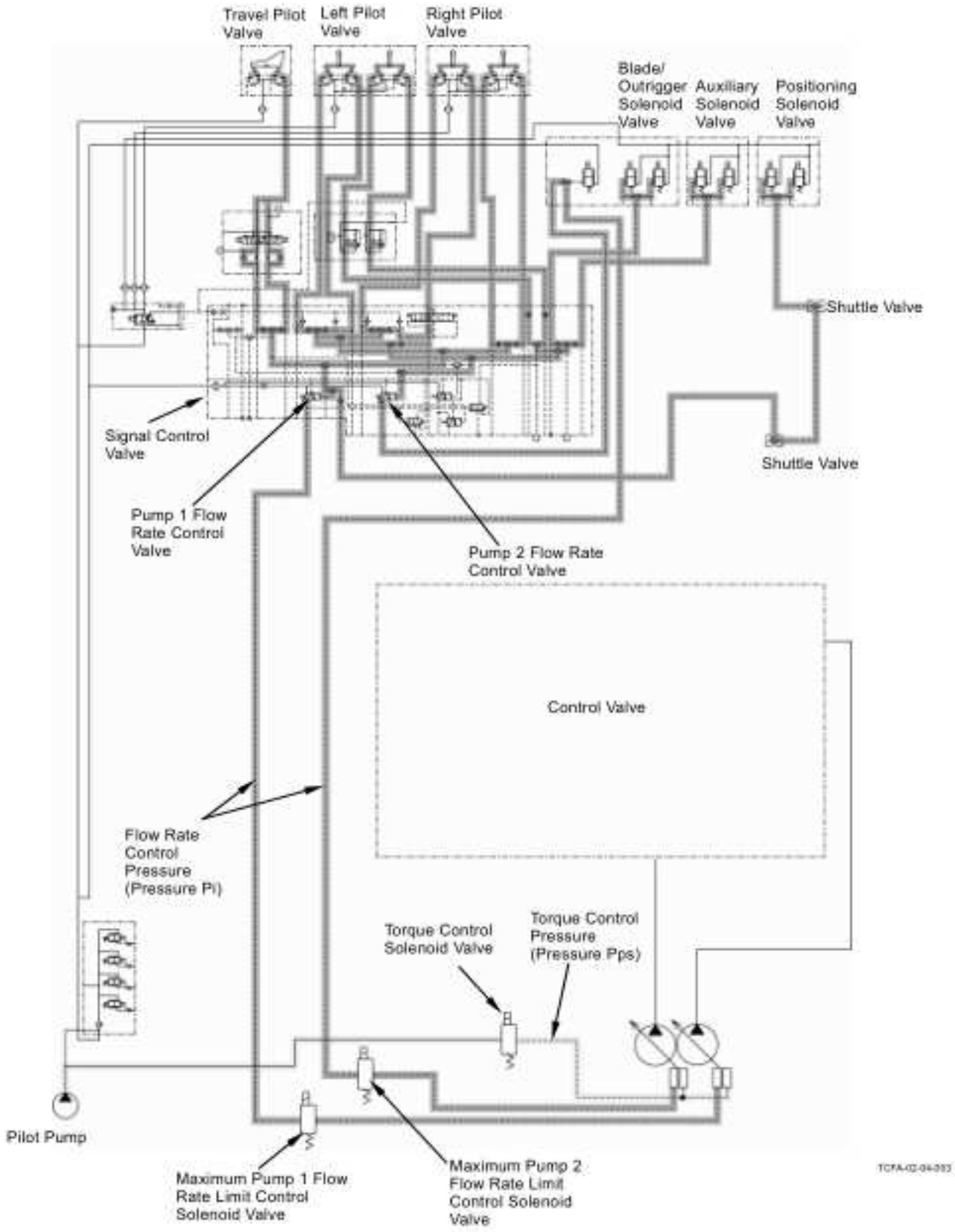
TCJB-05-02-049



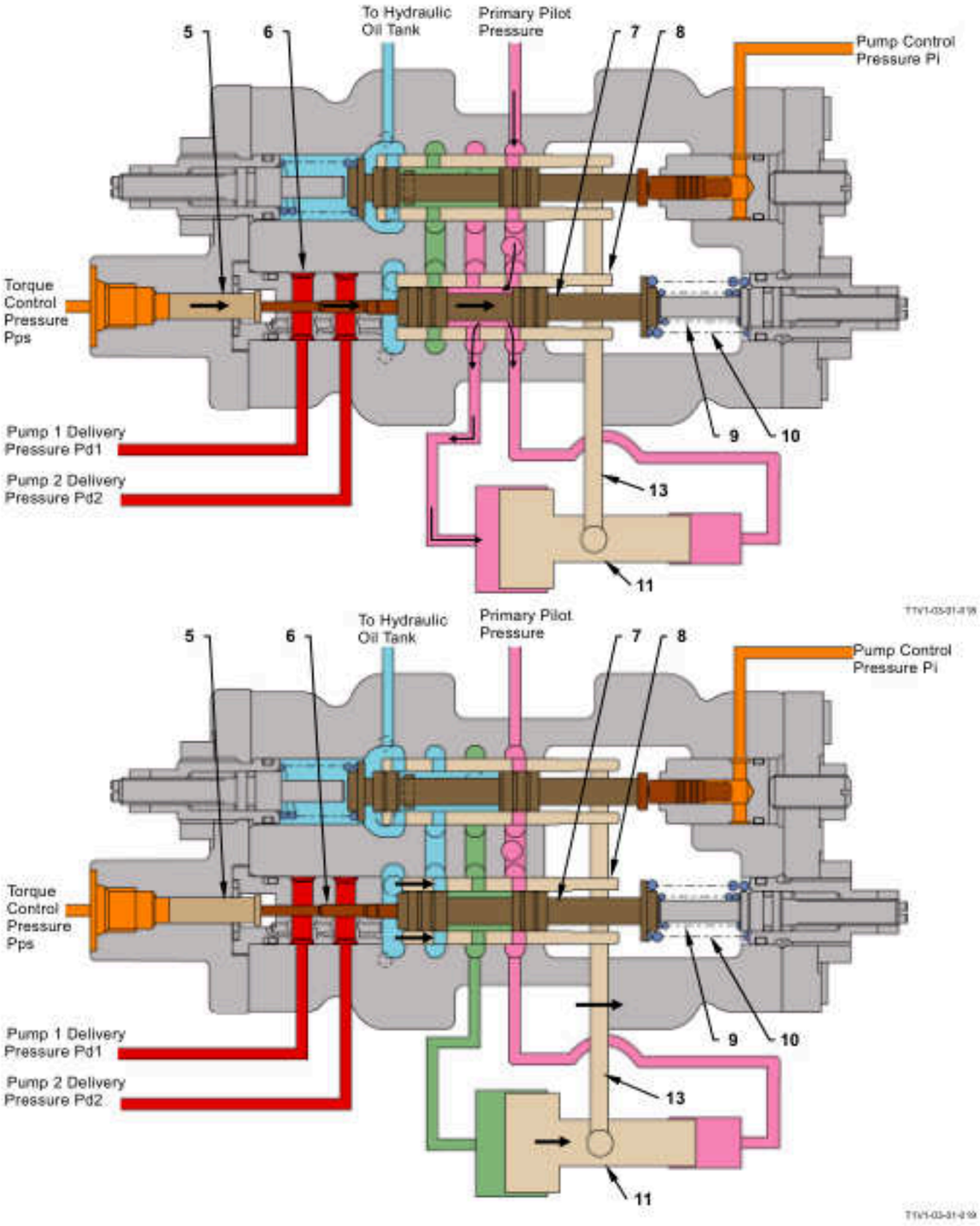
Remedy Display against Alarm

TTVS-05-01-013

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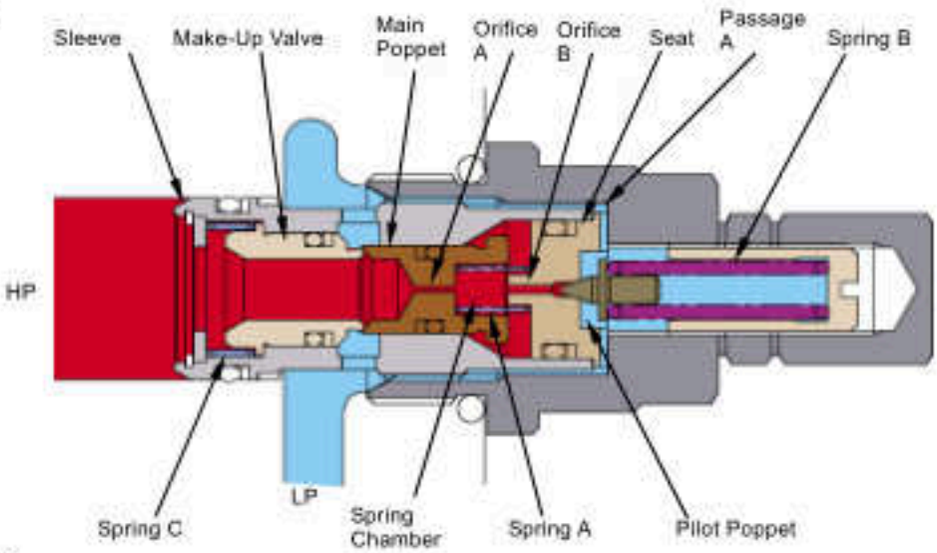
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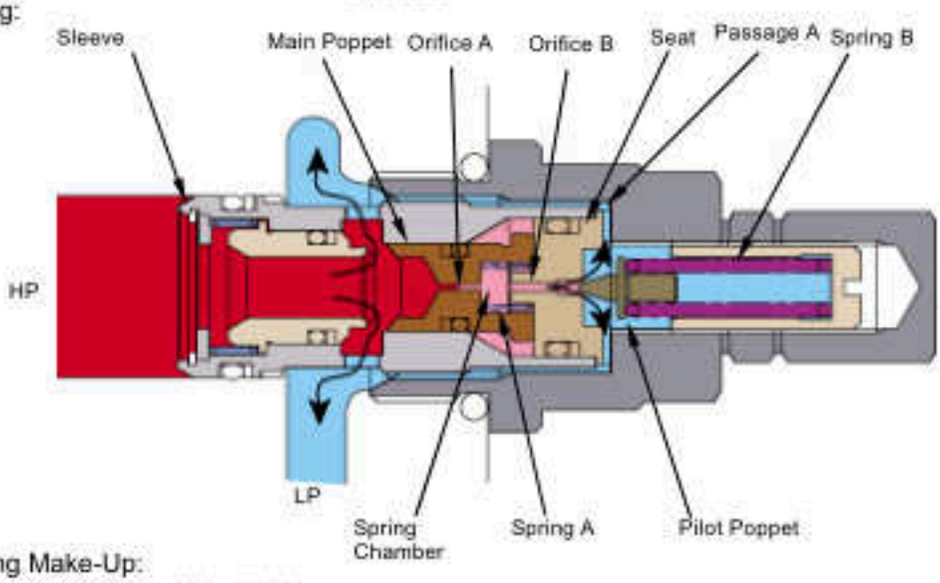
5 - Load Piston 1
6 - Load Piston 2
7 - Spool B
8 - Sleeve B
9 - Inner Spring
10 - Outer Spring
11 - Servo Piston
13 - Link

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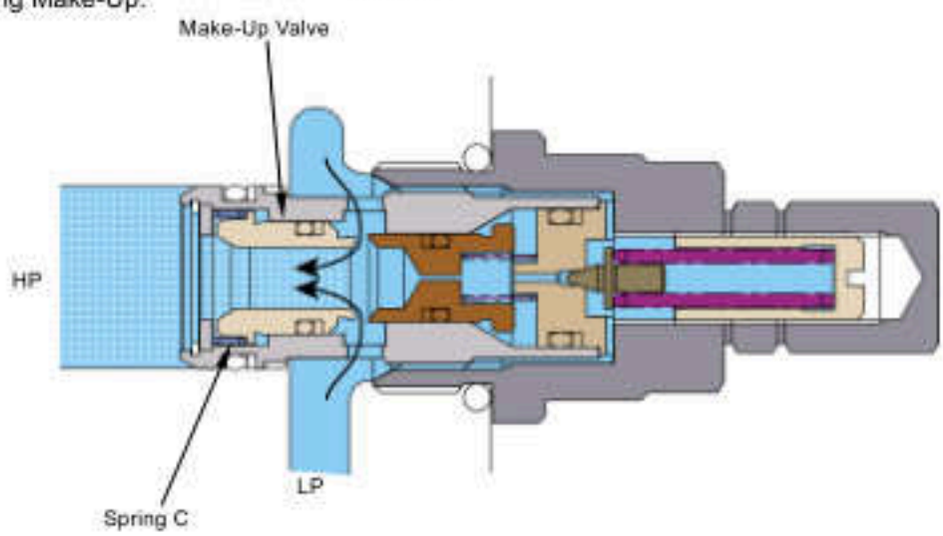
When Normal:



When Relieving:



When Operating Make-Up:



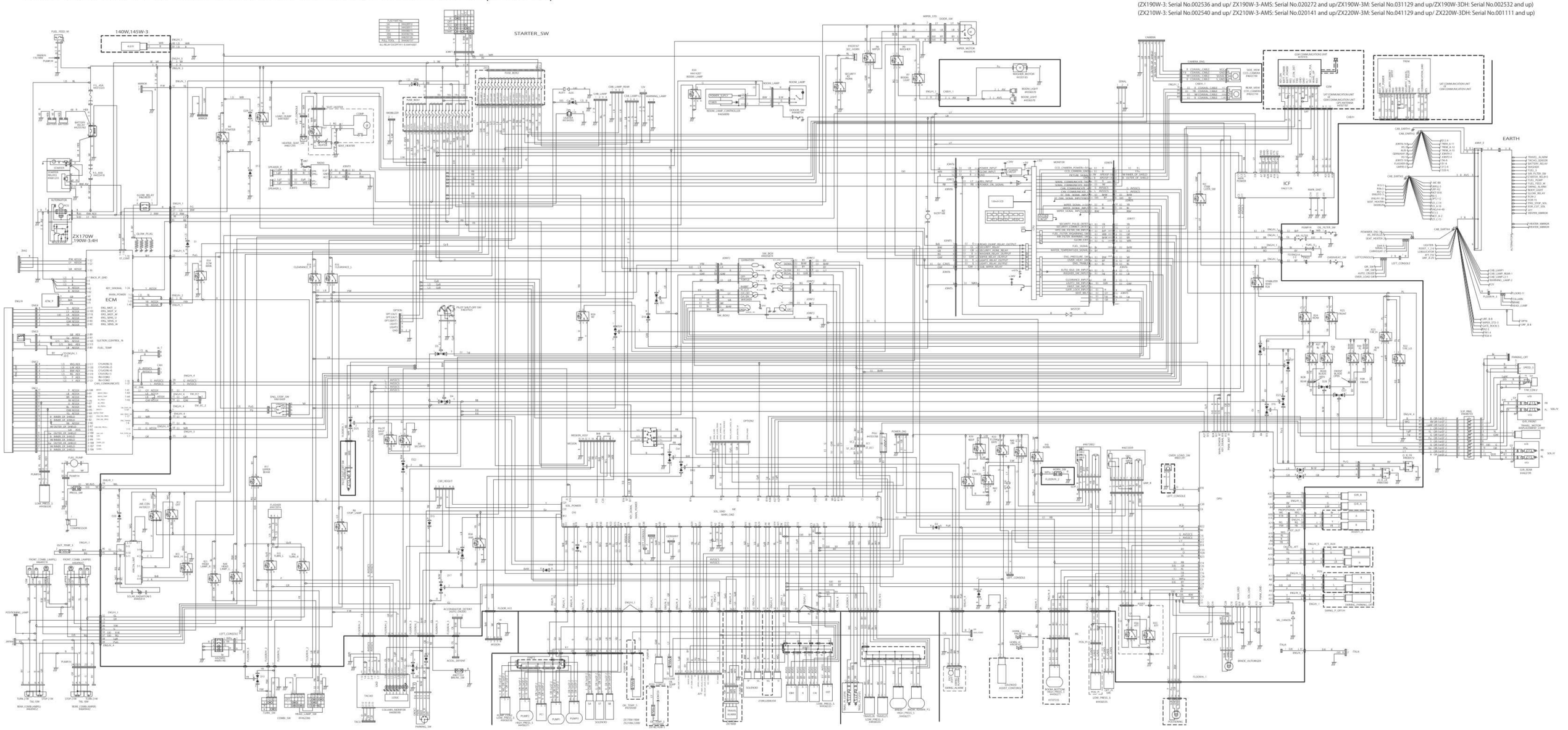
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Attach to Vol. No.: TTCEB-E-00, TTCFA-E-00, TTCGB-E-00, TTCJB-E-00

ZAXIS140W-3/145W-3/170W-3/190W-3/210W-3/220W-3 ELECTRICAL CIRCUIT DIAGRAM (STANDARD)

CAUTION: Parts numbers on the drawing are provided only for reference purpose.
To order parts on the drawing,be sure to consult the Parts Catalog.

(ZX140W-3: Serial No.002748 and up/ ZX140W-3-AMS: Serial No.021418 and up)
(ZX145W-3: Serial No.010339 and up/ ZX145W-3-AMS: Serial No.020118 and up)
(ZX170W-3: Serial No.003827 and up/ ZX170W-3-AMS: Serial No.020817 and up)
(ZX190W-3: Serial No.002536 and up/ ZX190W-3-AMS: Serial No.020272 and up/ZX190W-3DH: Serial No.002532 and up)
(ZX210W-3: Serial No.002540 and up/ ZX210W-3-AMS: Serial No.020141 and up/ZX220W-3M: Serial No.041129 and up/ ZX220W-3DH: Serial No.001111 and up)



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