SHOP MANUAL

KOMATSU®

avance LOADER

WA800-3

MACHINE MODEL

WA800-3

SERIAL NO.

50001 and up

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require.
  Materials and specifications are subject to change without notice.

- WA800-3 mount the SA12V140-1 engine.
  For details of the engine, see the 12V140-1 Series Engine Shop Manual.

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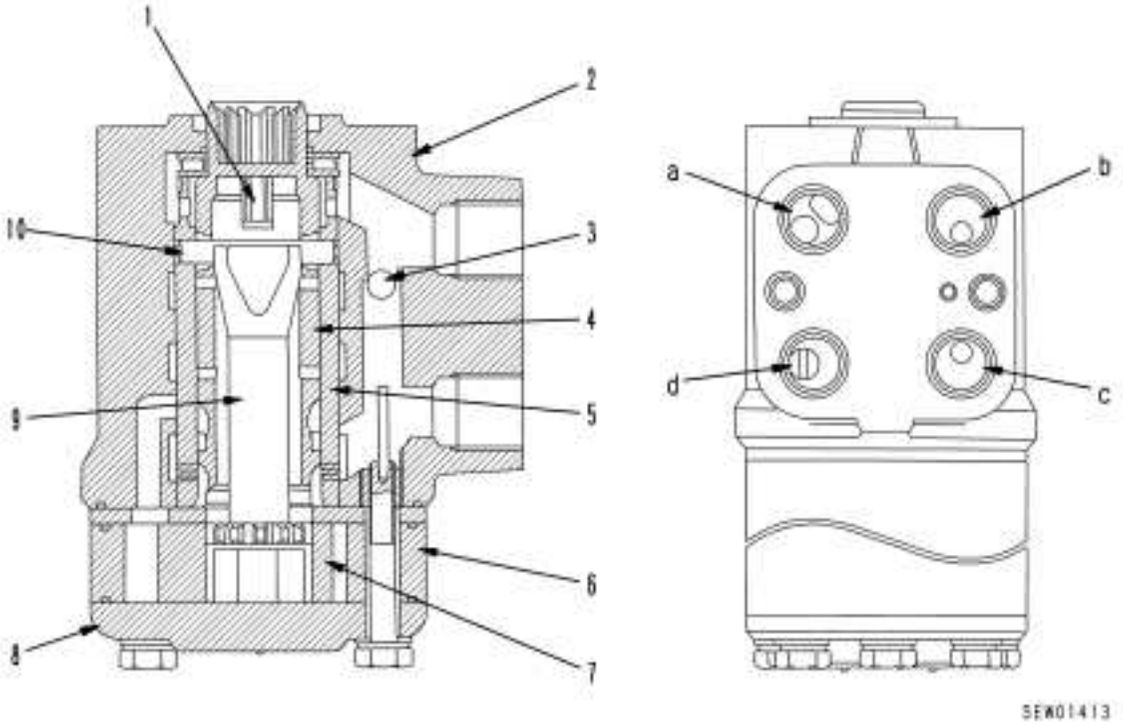
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STEERING UNIT (ORBIT-ROLL VALVE)

STEERING WHEEL SPECIFICATION
STEERING WHEEL AND JOYSTICK STEERING SPECIFICATION



1. Neutral position spring
2. Valve body
3. Check valve
4. Spool
5. Sleeve
6. Gear rim
7. Gear
8. Cover
9. Drive shaft
10. Center pin

a. To hydraulic tank
b. To steering cylinder (demand valve port **Pb**)
c. To steering cylinder (demand valve port **Pa**)
d. From PPC pump

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T-10 Failure code [20] (Short circuit or disconnection in joystick lever switch system) is displayed

AJSS (ADVANCED JOYSTICK STEERING SYSTEM) SPECIFICATION

★ **This troubleshooting is carried out when there is still an abnormality, so when disconnecting the connector and inserting the T-adapter, or when removing the T-adapter and returning the connector to its original position, if the error code is no longer displayed on the monitor display, the problem has been removed.**

★ Check that fuse II (6) is normal.

★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.

★ Always connect any disconnected connectors before going on to the next step.

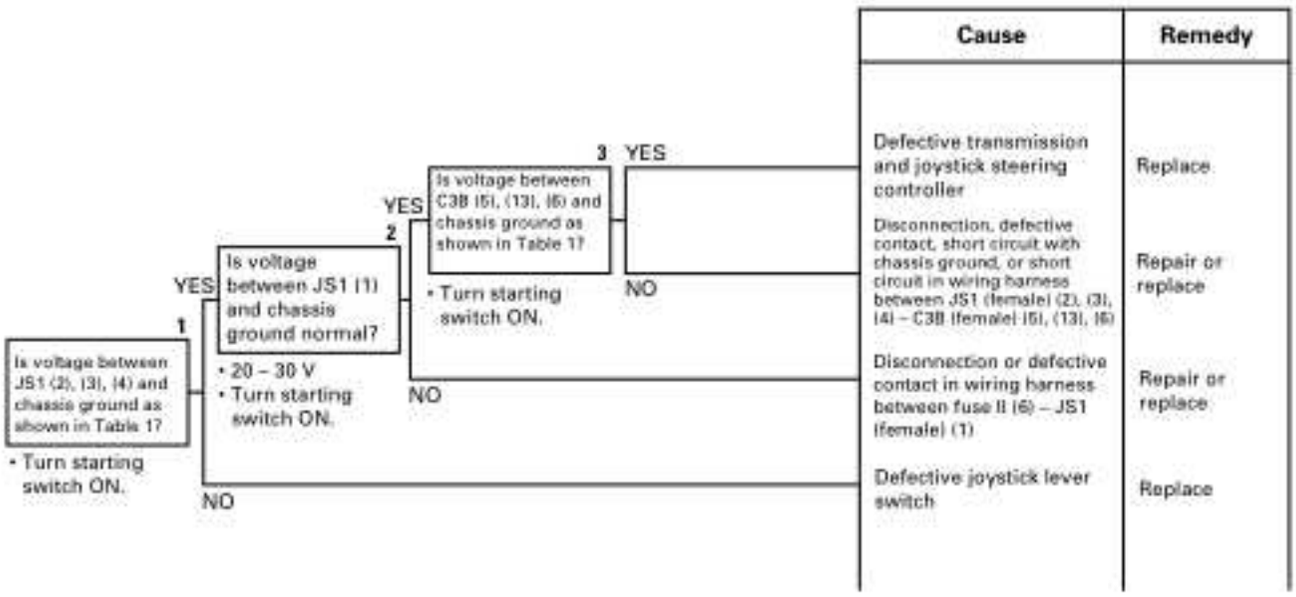
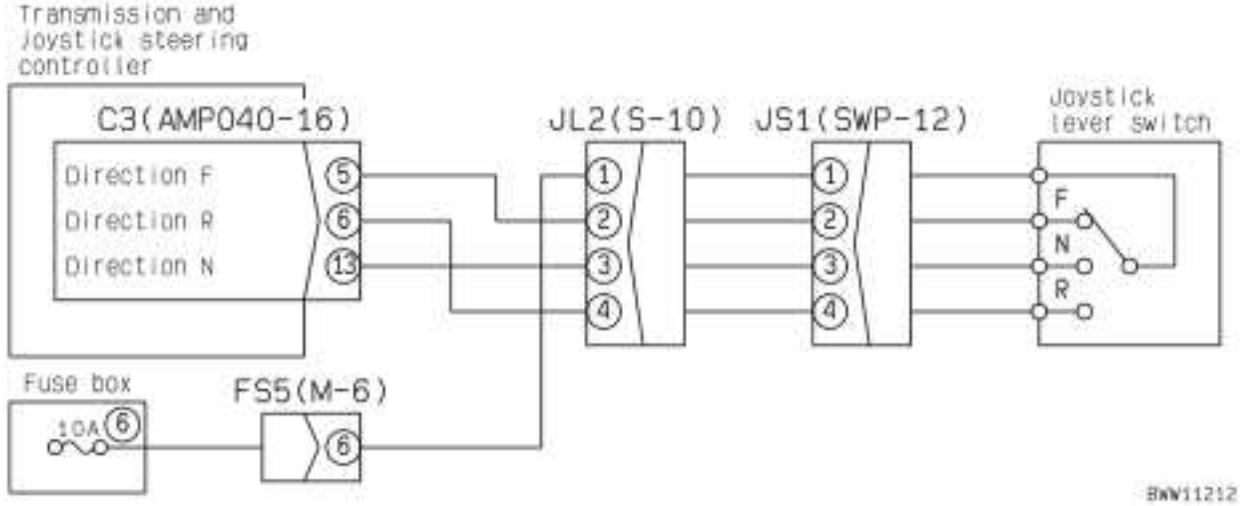


Table 1 Voltage measured with joystick lever switch at each position

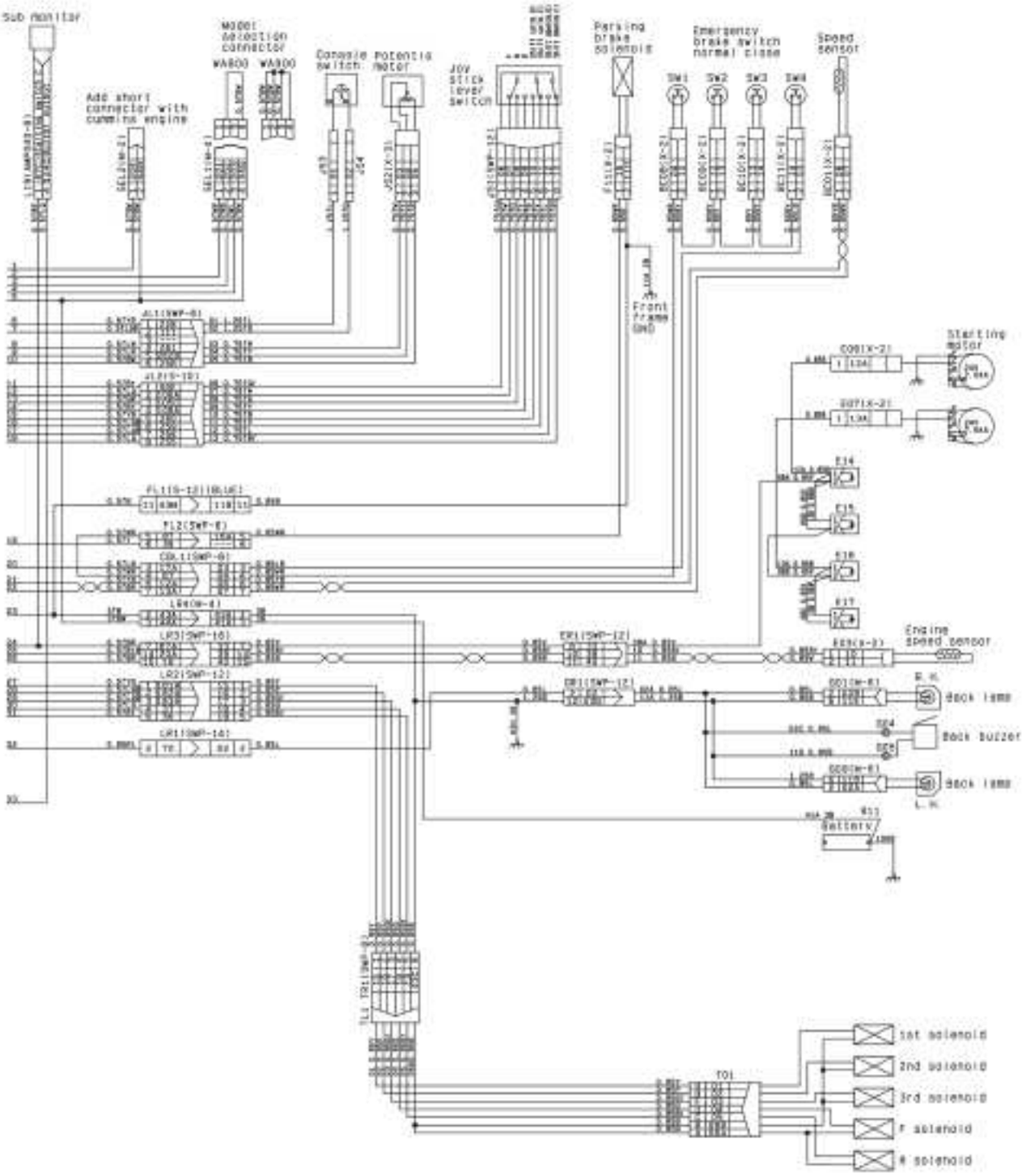
Terminals \ Position of FNR switch		F	N	R
JS1 (male) (1) – (2)	C3B (5) – Chassis ground	20 – 30 V	Max. 1 V	Max. 1 V
JS1 (male) (1) – (3)	C3B (13) – Chassis ground	Max. 1 V	20 – 30 V	Max. 1 V
JS1 (male) (1) – (4)	C3B (6) – Chassis ground	Max. 1 V	Max. 1 V	20 – 30 V

T-10 Related electrical circuit diagram



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★ This circuit diagram is made by extracting the part of the transmission & joystick steering controller from the general circuit diagram.

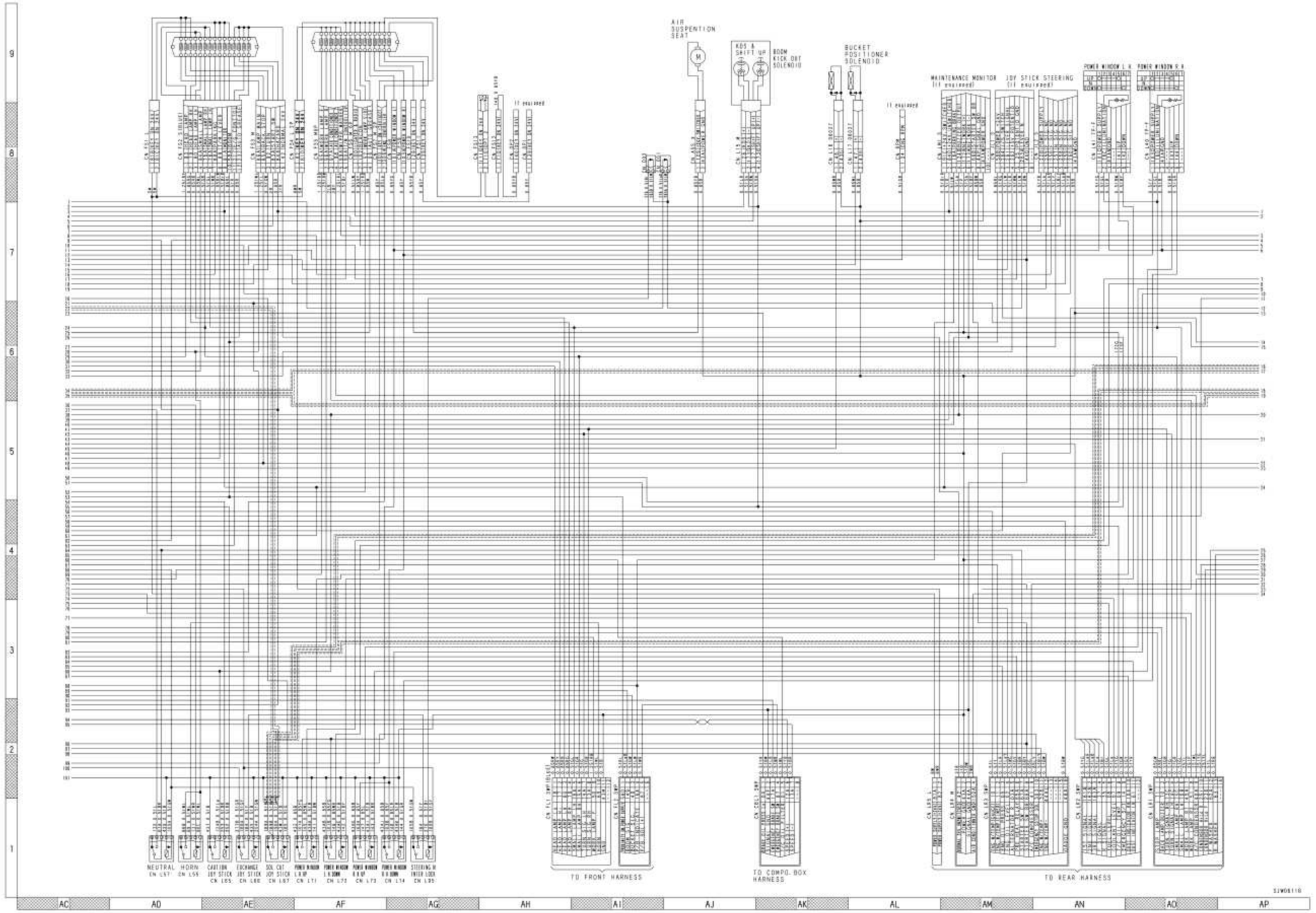


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ELECTRIC CIRCUIT DIAGRAM [8/16]

STEERING WHEEL SPECIFICATION, STEERING WHEEL AND JOYSTICK STEERING SPECIFICATION (3/6) [FOR ELECTRONIC GOVERNOR ENGINE]



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