SEBM028801

SHOP MANUAL

KOMATSU®

D41E,P-6

MACHINE MODEL	SERIAL NUMBER
D41E-6	**B40001 and up**
D41P-6	**B40001 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.

- D41E,P-6 mounts the SA6D102E-2 engine.
  For details of the engine, see the 102 Series Engine Shop Manual.

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CONTENTS

No. of page

01 GENERAL 01-1

10 STRUCTURE AND FUNCTION 10-1

20 TESTING AND ADJUSTING 20-1

30 DISASSEMBLY AND ASSEMBLY 30-1

40 MAINTENANCE STANDARD 40-1

90 OTHERS 90-1

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WEIGHT TABLE

⚠ This weight table is for use when handling components or when transporting the machine.

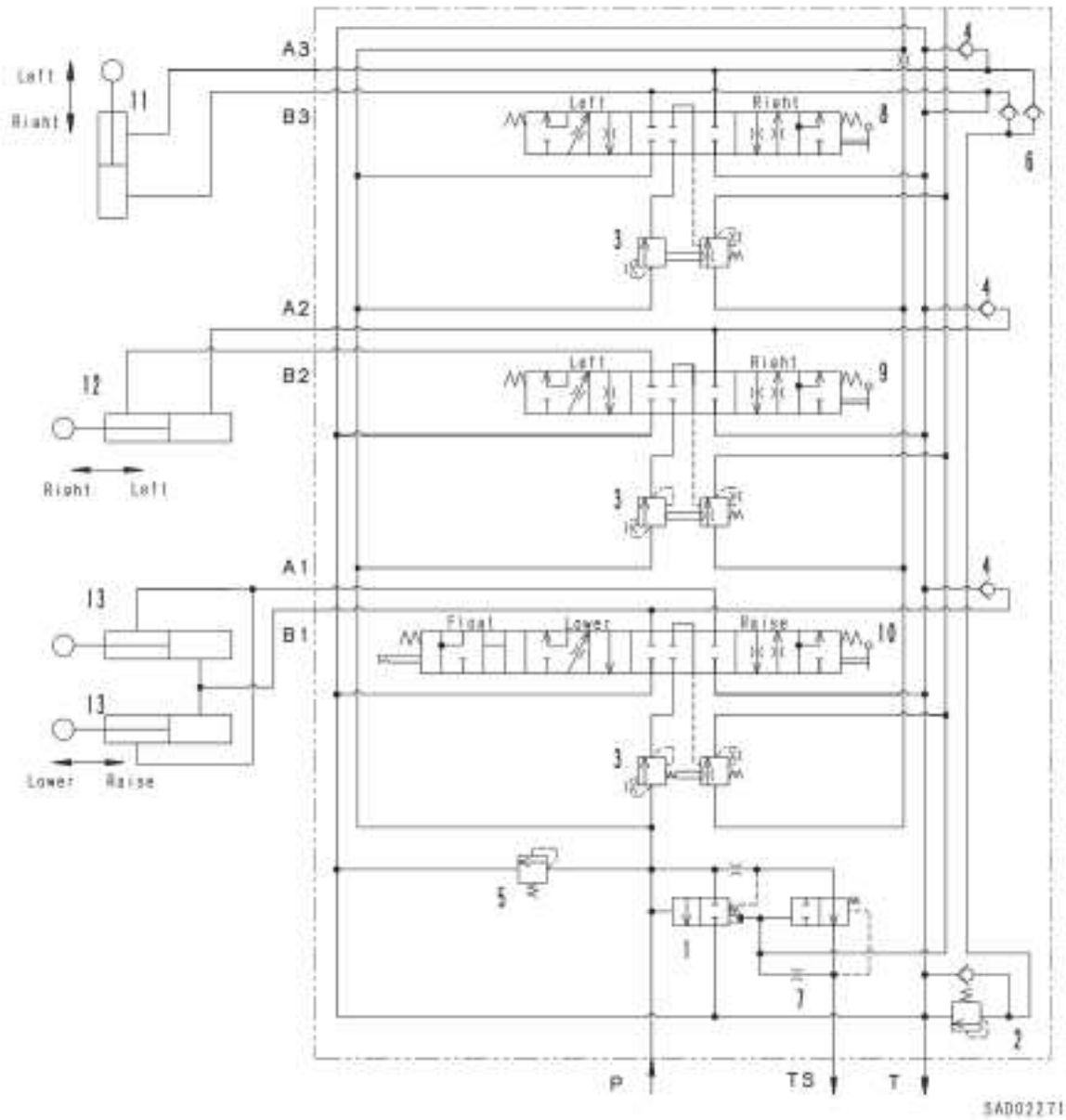
Unit: kg

Machine model	D41E-6	D41P-6
Serial No.	B40001 and up	B40001 and up
Engine, damper assembly	546	546
• Engine assembly	516	516
• Damper assembly	26	26
• Engine mount parts (wiring)	1.5	1.5
Radiator assembly (including oil cooler)	72	72
• Oil cooler assembly (for hydraulic oil)	4.7	4.7
• Fan and fan motor assembly	30	30
Fuel tank assembly	120	120
Universal joint	7	7
Transmission assembly (including valve)	275	275
Transmission valve assembly	12	12
Steering clutch, brake assembly	780	780
Steering piston assembly	15	15
Priority valve assembly	2	2
Brake valve assembly	10	10
Parking brake cylinder assembly	15	15
Final drive assembly (each side)	440	440
Frame assembly	2,155	2,280
• Idler assembly	144 x 2	144 x 2
• Track roller assembly	35 x 12	35 x 14
• Carrier roller assembly	15 x 2	15 x 2

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FUNCTIONS, OPERATION OF VALVE

Hydraulic circuit diagram and names of valves

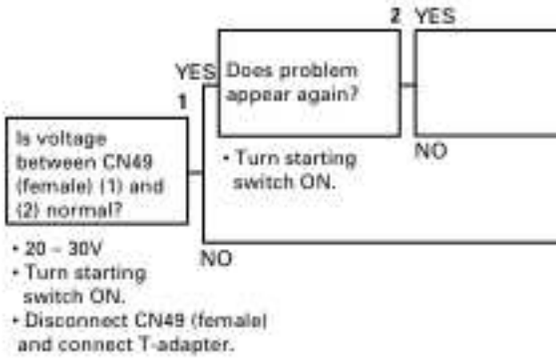


1. Unload valve
2. Suction & safety valve
   Set pressure: 24.5 MPa {250 kg/cm²}
3. Pressure compensation valve
4. Suction valve
5. Main relief valve
   Set pressure: 20.6 MPa {210 kg/cm²}
6. Check valve
7. LS bypass plug
8. Angle spool
9. Tilt spool
10. Lift spool
11. Angle cylinder
12. Tilt cylinder
13. Lift cylinder

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M-1. No display is given on monitor panel when starting switch is turned to ON

★ When the battery and battery relay are normal.
★ Before carrying out troubleshooting, check that fuse FB1, No. 2 is normal.
(If it is blown, check for a short circuit in the wiring harness between CN49(1) – CN31(1) – fuse FB1, No. 2.)
★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on the next step.



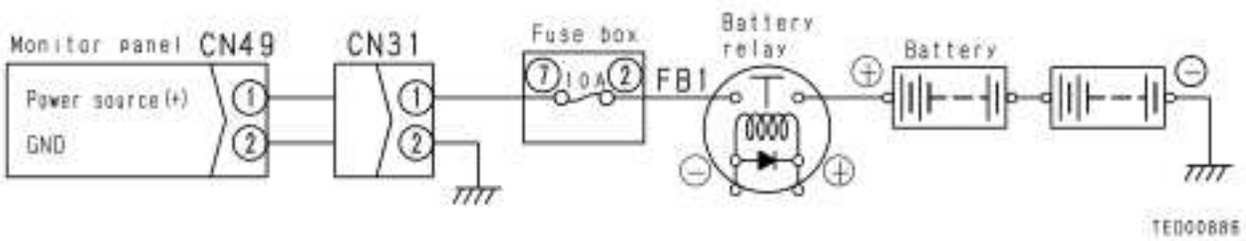
Cause	Remedy
Defective monitor panel	Replace
Good (problem is removed)	———
Defective contact, or disconnection in wiring harness between fuse FB1, No. 2 – CN31 (1), (2) – CN49 (1) – (2) – chassis ground	Repair or replace

M-2. When starting switch is turned to ON, all monitor panel lamps light up and do not go out



Cause	Remedy
Defective motor	Replace

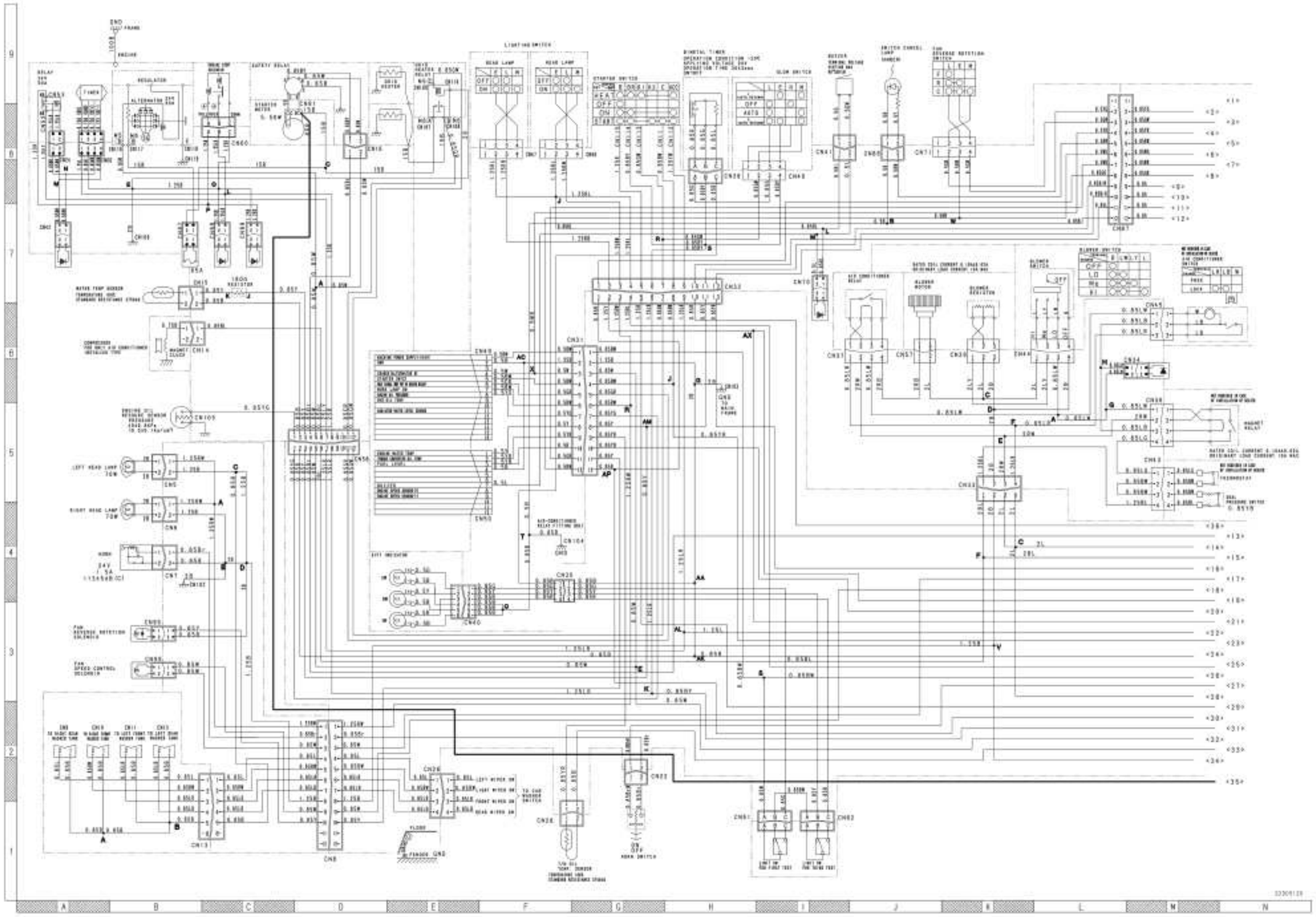
M-1, M-2 Related electrical circuit diagram



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ELECTRICAL CIRCUIT DIAGRAM (1/2)

WITH CAB



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