SEBM01450503

SHOP MANUAL

KOMATSU®

D75S-5

MACHINE MODEL SERIAL NO.

D75S-5 15001 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.

- D75S-5 mounts the S6D125-1 and S6D125-2 engine.
  For details of the engine, see the 125-1 Series and 125-2 Series Engine Shop Manual.

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CONTENTS

No. of page

01 GENERAL 01-1

10 ENGINE
- 11 STRUCTURE AND FUNCTION 11-1
- 12 TESTING AND ADJUSTING 12-1
- 13 DESASSEMBLY AND ASSEMBLY 13-1

20 POWER TRAIN
- 21 STRUCTURE AND FUNCTION 21-1
- 22 TESTING AND ADJUSTING 22-1
- 23 DIASSEMBLY AND ASSEMBLY 23-1
- 24 MAINTENANCE STANDARD 24-1

30 UNDERCARRIAGE
- 31 STRUCTURE AND FUNCTION 31-1
- 33 DISASSEMBLY AND ASSEMBLY 33-1
- 34 MAINTENANCE STANDARD 34-1

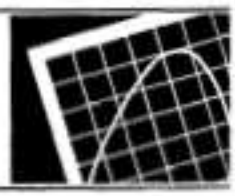
60 HYDRAULIC SYSTEM
- 61 STRUCTURE AND FUNCTION 61-1
- 62 TESTING AND ADJUSTING 62-1
- 63 DISASSEMBLY AND ASSEMBLY 63-1
- 64 MAINTENANCE STANDARD 64-1

70 WORK EQUIPMENT
- 71 STRUCTURE AND FUNCTION 71-1
- 73 DISASSEMBLY AND ASSEMBLY 73-1
- 74 MAINTENANCE STANDARD 74-1

80 ELECTRICAL SYSTEM
- 81 STRUCTURE AND FUNCTIION 81-1
- 82 TESTING AND ADJUSTING 82-1

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01 GENERAL



General assembly drawing 01- 3
Specifications 01- 4
Weight table 01- 8
Table of fuel, coolant and lubricants 01-10

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METHOD OF USING TROUBLESHOOTING CHARTS

This troubleshooting chart is divided into three sections: **questions, check items, and troubleshooting**. The questions and check items are used to pinpoint high probability causes that can be located from the failure symptoms or simple inspection without using troubleshooting tools.

Next, troubleshooting tools or direct inspection are used to check the high probability causes to make final confirmation.

[Questions]

Sections Ⓐ + Ⓑ in the chart on the right correspond to the items where answers can be obtained from the user. The items in Ⓑ are items that can be obtained from the user, depending on the user's level.

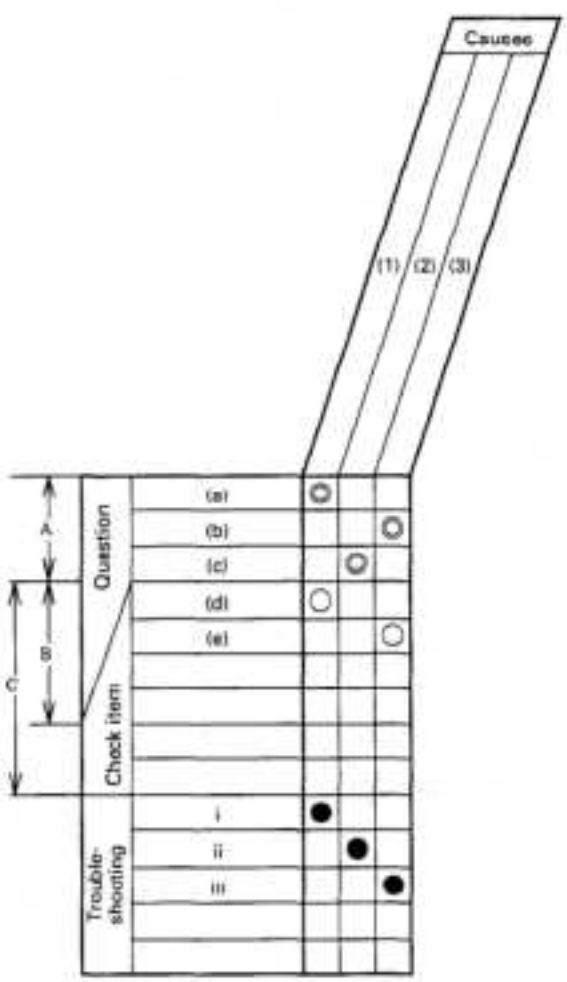
[Check items]

The serviceman carries out simple inspection to narrow down the causes. The items under Ⓒ in the chart on the right correspond to this.

The serviceman narrows down the causes from information Ⓐ that he has obtained from the user and the results of Ⓒ that he has obtained from his own inspection.

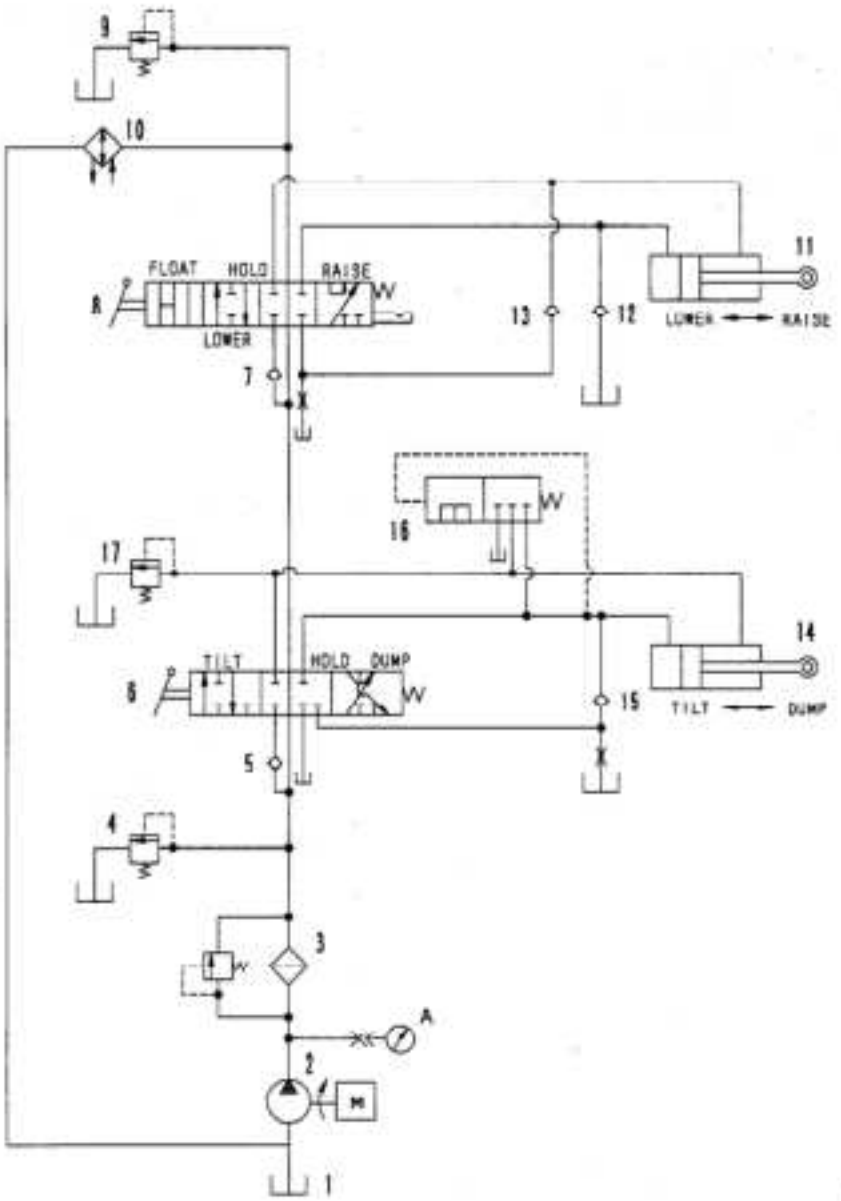
[Troubleshooting]

Troubleshooting is carried out in the order of probability, starting with the causes that have been marked as having the highest probability from information gained from **[Questions]** and **[Check items]**.



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HYDRAULIC CIRCUIT DIAGRAM



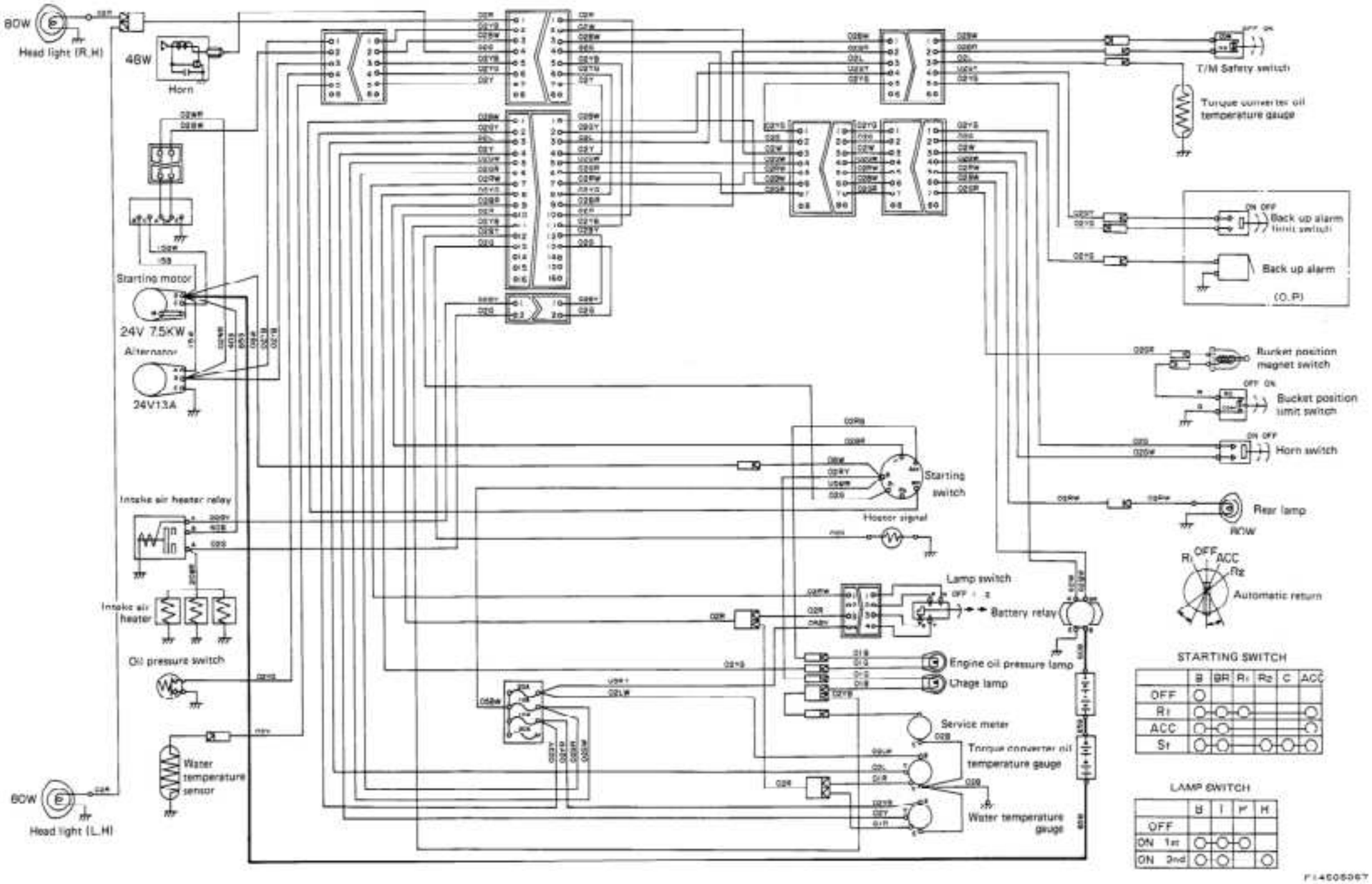
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1. Hydraulic tank
2. Hydraulic pump (SAR160)
3. Oil filter
   Crucking pressure: 0.18MPa {1.8kg/cm²}
4. Main relief valve
   Setting pressure: 16.2 MPa {165kg/cm²}
5. Dump side check valve
6. Dump valve
7. Lift side check valve
8. Lift valve
9. Oil cooler relief valve
   Setting pressure: 0.18 MPa {1.8kg/cm²}
10. Oil cooler
11. Lift cylinder
12. Suction valve (Raise)
13. Suction valve (Lower)
14. Dump cylinder
15. Suction valve (Dump)
16. Safety valve (Dump)
    Setting pressure: 10.8 MPa {110kg/cm²}
17. Safety valve (Tilt)
    Setting pressure: 17.6MPa {180kg/cm²}

A. Pressure tap for main relief pressure

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ELECTRICAL CIRCUIT DIAGRAM



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