SEBM014307

SHOP MANUAL

KOMATSU®

PC300, 300LC-6
PC350, 350LC-6

MACHINE MODEL	SERIAL NUMBER
PC300-6	**33001 and up**
PC300LC-6	**33001 and up**
PC350-6	**12001 and up**
PC350LC-6	**12001 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.

- PC300, 350-6 mount the SAA6D108-2 engine.
  For details of the engine, see the 108-2 Series Engine Shop Manual.

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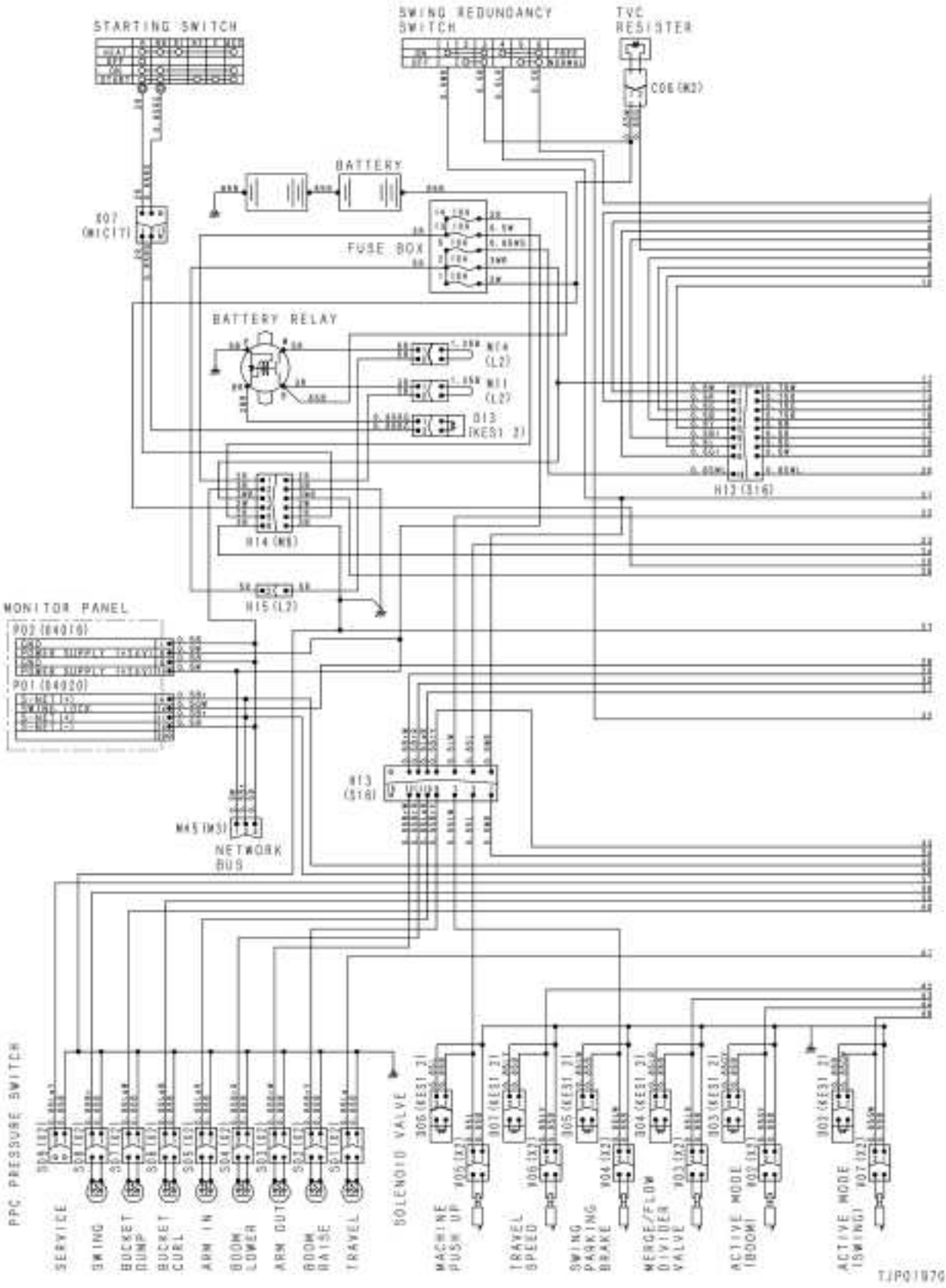
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1A. Main relief valve (bucket group)
Set pressure: 34.8 ± 0.5 MPa {355 ± 5 kg/cm²}
1B. Main relief valve (arm group)
Set pressure: 34.8 ± 0.5 MPa {355 ± 5 kg/cm²}
2A. Unload valve (bucket group)
Clutch pressure: 2.9 ± 0.2 MPa {30 ± 2 kg/cm²}
2B. Unload valve (arm group)
Clutch pressure: 2.9 ± 0.2 MPa {30 ± 2 kg/cm²}
3. Pressure compensation valve
4A. Safety-suction valve
Set pressure: 17.2 ± 0.5 MPa {175 ± 5 kg/cm²}
4B. Safety-suction valve
Set pressure: 35.8 ± 0.5 MPa {365 ± 5 kg/cm²}
5. Safety-suction valve (for large flow)
Set pressure: 35.8 ± 0.5 MPa {365 ± 5 kg/cm²}
6. Safety-suction valve (2-stage)
Set pressure:
1-stage: 28.4 ± 0.5 MPa {290 ± 5 kg/cm²}
2-stage: 14.7 ± 0.5 MPa {150 ± 5 kg/cm²}
7. Bucket spool
8. LS shuttle valve
9. R.H. travel spool
10. Suction valve
11. Boom Lo spool
12. Check valve (for boom regeneration circuit)
13. Swing spool
14. L.H. travel spool
15. Arm Lo spool
16. Check valve (for arm regeneration circuit)
17. Boom Hi spool
18. Arm Hi spool
19. LS select valve
20. Merge/flow divider valve

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ELECTRICAL CIRCUIT DIAGRAM FOR C MODE



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F-1 Bit pattern 20-(1) Swing oil pressure switch does not light up

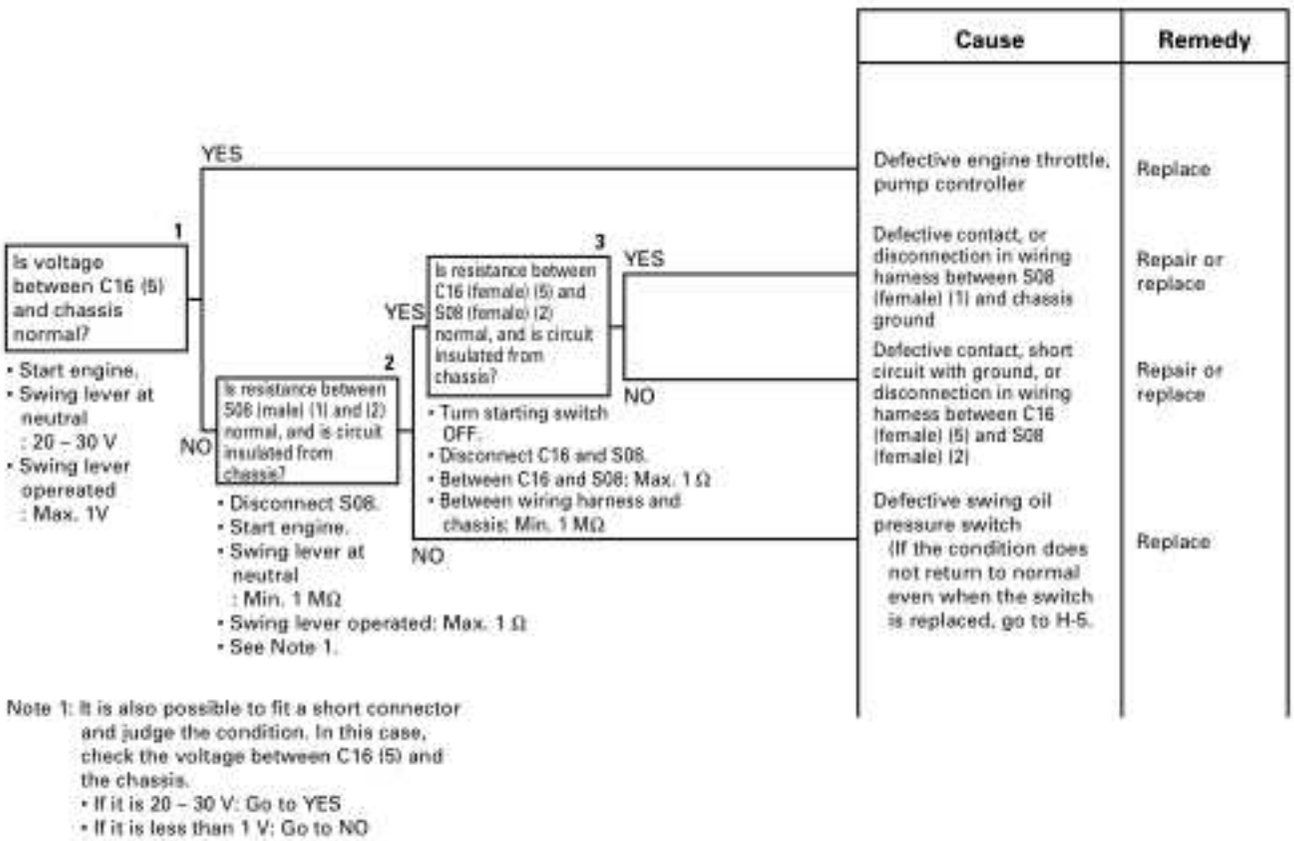
★ **This troubleshooting is carried out when there is still an abnormality, so when disconnecting the connector and inserting the T-adapter, or when removing the T-adapter and returning the connector to its original position, if the monitor code display returns to normal, the problem has been removed.**

⚠ Turn the swing lock switch ON before operating the swing lever.

★ If there is no display when the lever is operated on one side, the PPC shuttle valve is defective. (See H-5)
(When measuring with the engine stopped, charge the accumulator first.)

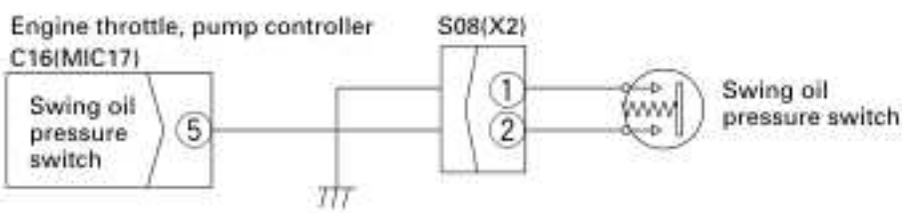
★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.

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



Note 1: It is also possible to fit a short connector and judge the condition. In this case, check the voltage between C16 (5) and the chassis.
• If it is 20 – 30 V: Go to YES
• If it is less than 1 V: Go to NO

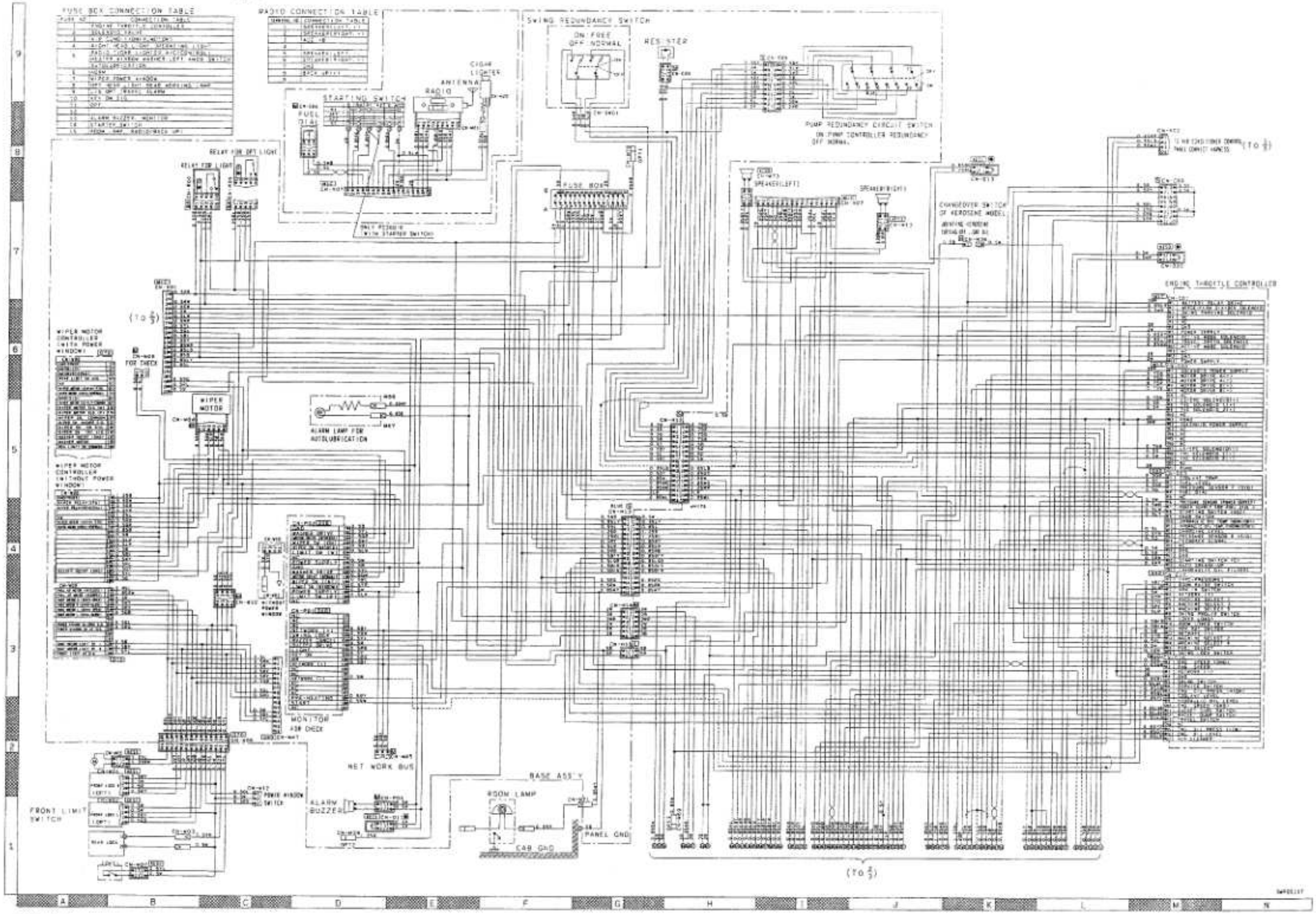
F-1 Related electric circuit diagram



BKP00257

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ELECTRIC CIRCUIT DIAGRAM (1/3)



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