UEBM001301

SHOP MANUAL

KOMATSU®

PC450, 450LC-6K

MACHINE MODEL	SERIAL NUMBER
PC450-6K	**K32001 and up** **K34001 and up**
PC450LC-6K	**K32001 and up** **K34001 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.

- PC450-6K mounts the SA6D125E-2 engine.
  For details of the engine, see the 125-2 Series Engine Shop Manual.

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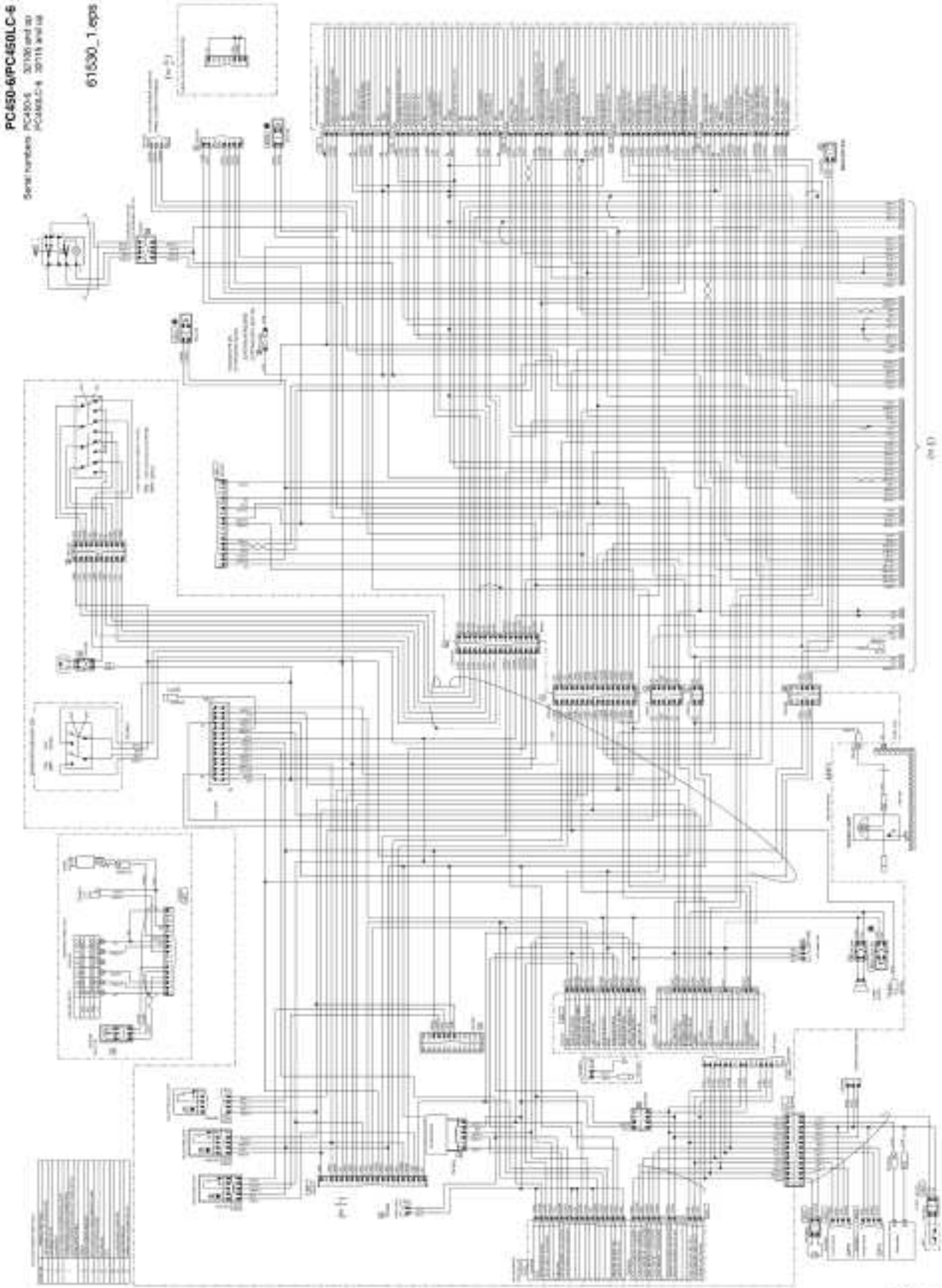
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ELECTRIC CIRCUIT DIAGRAM

WITH POWER WINDOW

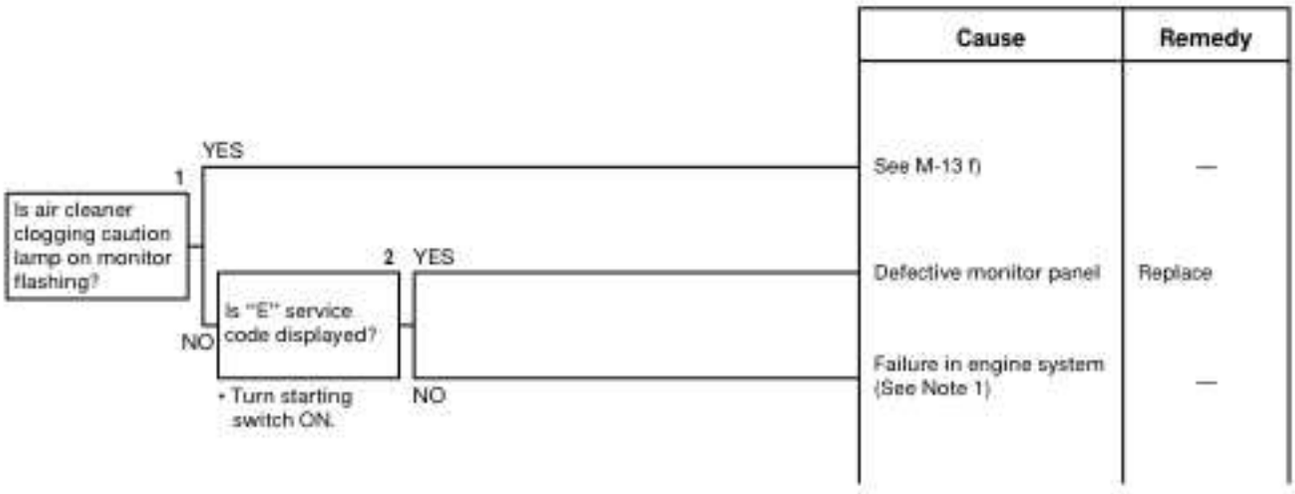
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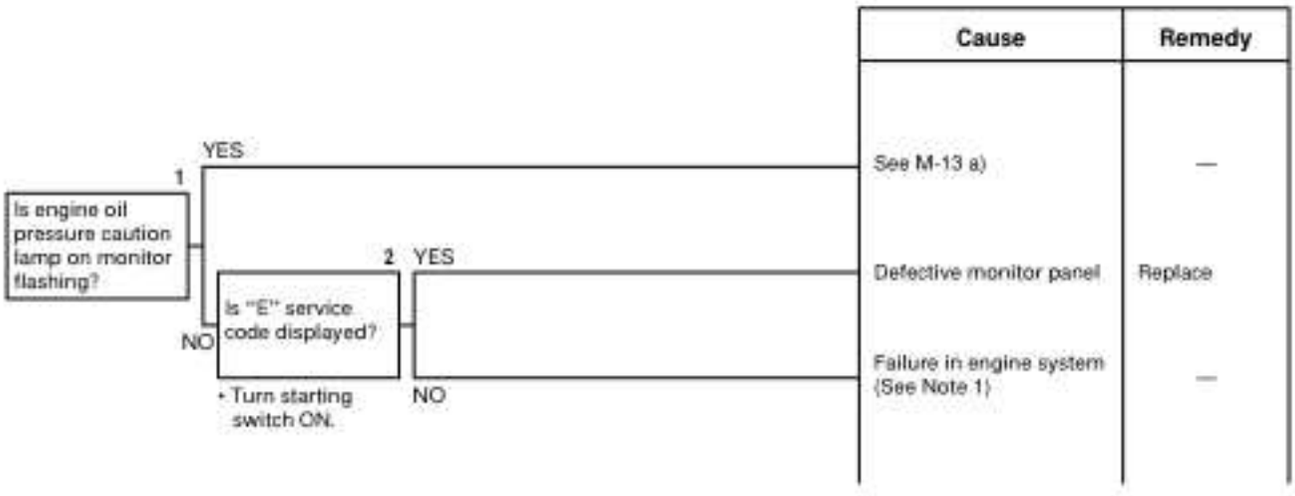
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M-3 [E104] Air cleaner clogging detected is displayed



Note 1: The monitor panel display has returned to normal, but the air cleaner clogging sensor has detected symptoms of clogging in the past, so carry out troubleshooting of the engine to remove the problem.

M-4 [E106] Drop in engine oil Hi pressure detected is displayed



Note 1: The monitor panel display has returned to normal, but the engine oil pressure Hi sensor has detected symptoms of a drop in the oil pressure in the past, so carry out troubleshooting of the engine to remove the problem.

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3. **Bucket control valve**
   1) Assemble spool assembly (84) to valve body.
   2) Assemble retainer (83) and spring (82), then fit O-ring to case (81) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}
   3) Assemble retainer (80) and spring (79), then fit O-ring to case (78) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}

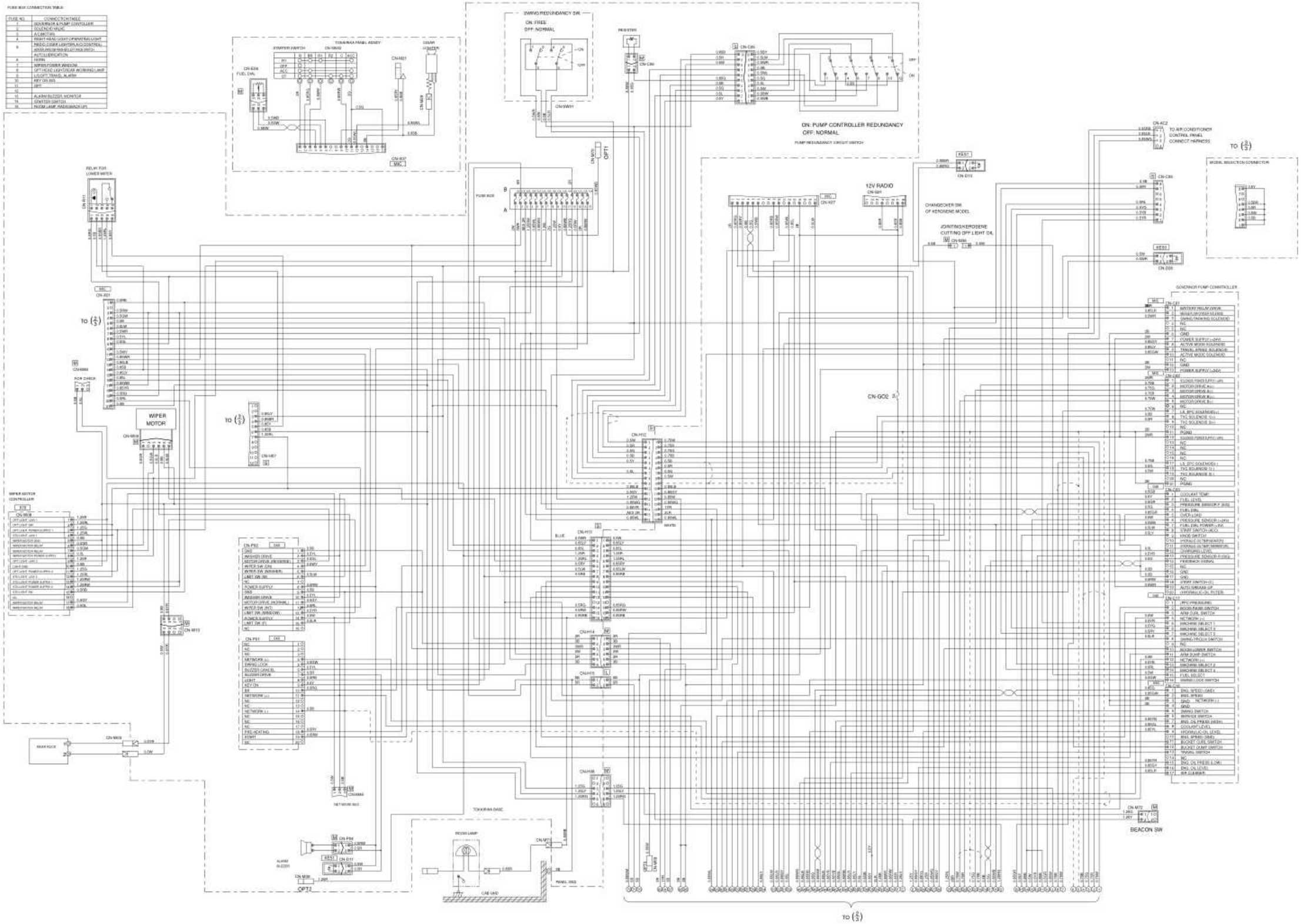
4. **Boom control valve**
   1) Assemble spool assembly (77) to valve body.
   2) Assemble retainer (76) and spring (75), then fit O-ring to case (74) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}
   3) Assemble spring (73) and piston (72), and install plug (71).
      kgm Plug:
      107.8 ± 14.7 Nm {11.0 ± 1.5 kgm}
   4) Assemble retainer (70) and spring (69), then fit O-ring to case (68) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}

5. **R.H. travel control valve, L.H. travel control valve**
   1) Assemble spool assembly (67) to valve body.
   2) Assemble retainer (66) and spring (65), then fit O-ring to case (64) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}
   3) Assemble retainer (63) and spring (62), then fit O-ring to case (61) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}

6. **Swing control valve**
   1) Assemble spool assembly (60) to valve body.
   2) Assemble piston (59), and install plug (58).
      kgm Plug:
      107.8 ± 14.7 Nm {11.0 ± 1.5 kgm}
   3) Assemble retainer (57) and spring (56), then fit O-ring to case (55) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}
   4) Assemble piston (54), and install plug (53).
      kgm Plug:
      107.8 ± 14.7 Nm {11.0 ± 1.5 kgm}
   5) Assemble retainer (52) and spring (51), then fit O-ring to case (50) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}

7. **Arm control valve**
   1) Assemble spool assembly (49) to valve body.
   2) Assemble retainer (48) and spring (47), then fit O-ring to case (46) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}
   3) Assemble retainer (45) and spring (44), then fit O-ring to case (43) and install.
      kgm Case mounting bolt:
      30.9 ± 3.4 Nm {3.15 ± 0.35 kgm}
   4) Assemble spring (41) and piston (42), and install plug (40).
      kgm Plug:
      107.8 ± 14.7 Nm {11.0 ± 1.5 kgm}

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