SEAM010500

Operation & Maintenance Manual

KOMATSU®

D85A,E,P-21

BULLDOZER

SERIAL NUMBERS
D85A - 35001
D85E - 35001 and up
D85P - 3001

October 1995

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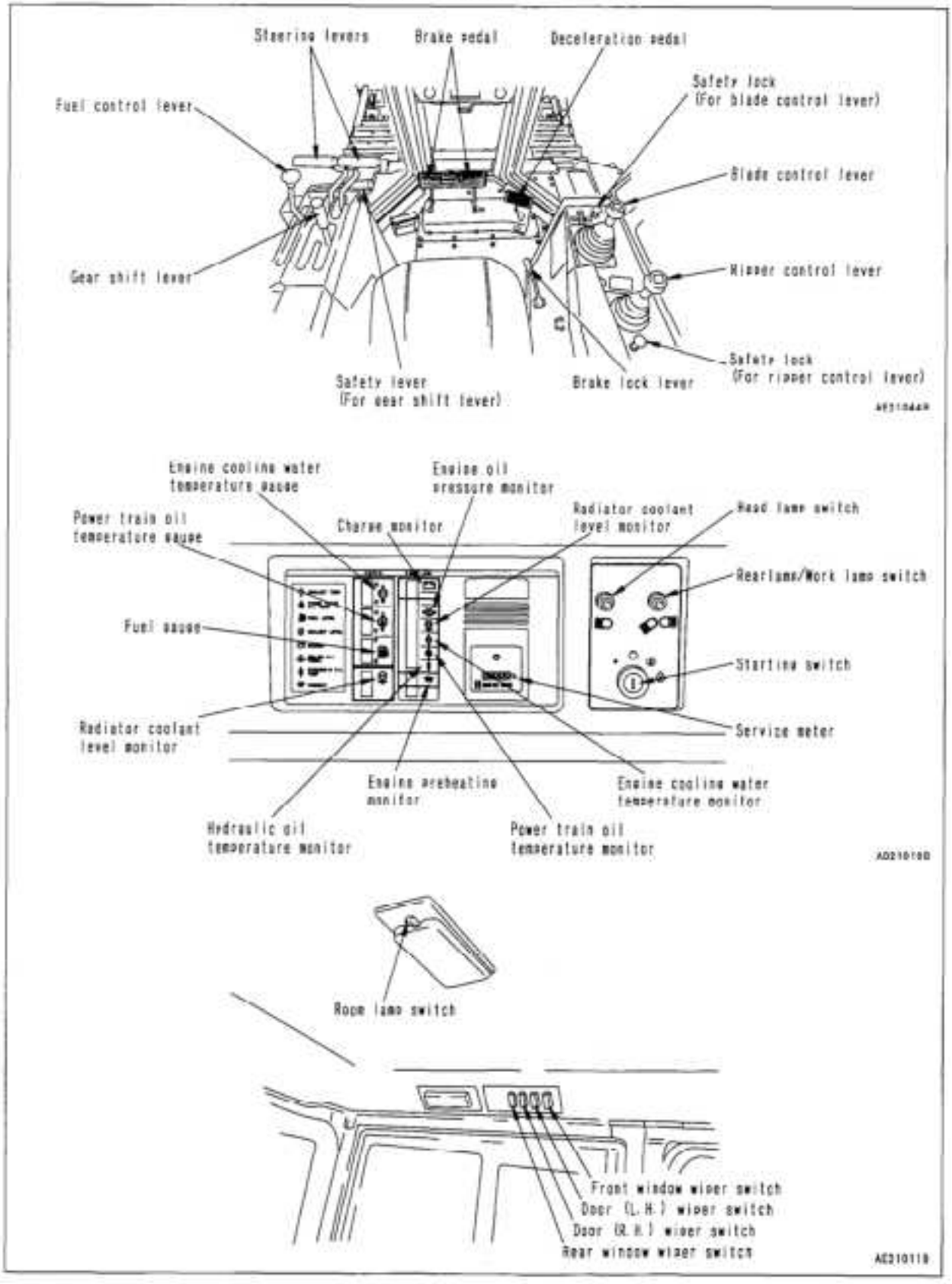
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10.2 GENERAL VIEW OF CONTROLS AND GAUGES



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24.5.4 CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE AND BYPASS FILTER CARTRIDGE

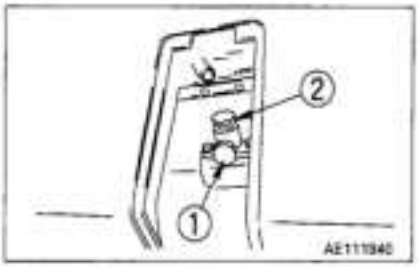
⚠ WARNING

The oil is at high temperature after the engine has been operated. so never change the oil immediately after finishing operations. Wait for the oil to cool down before changing it.

Prepare the following.
- Container to catch drained oil: Min 27 ℓ capacity
- Refill capacity: 27 ℓ (7.1 US gal, 5.9 UK gal)
- Socket wrench, filter wrench

1. Remove the cover at the bottom of the machine and set a container to catch the oil under drain plug ①.

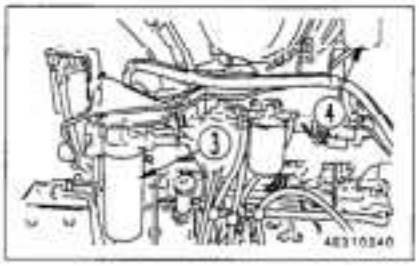
2. To prevent getting oil on yourself, remove drain plug ① slowly, then loosen drain valve ② to drain the oil.



3. Check the drained oil, and if there are excessive metal particles or foreign material, please contact your Komatsu distributor.

4. Install drain plug ① and tighten drain valve ②.

   Tightening torque
   Drain plug ①: 68.6 ± 9.8 Nm (7 ± 1 kgm, 50.6 ± 7.2 lbft)
   Drain valve ②: 63.7 ± 14.7 Nm (6.5 ± 1.5 kgm, 47.0 ± 10.8 lbft)



5. Using a filter wrench, turn filter cartridge ③ and bypass filter cartridge ④ counterclockwise to remove it. When doing this, to prevent getting oil on yourself, do not carry out this operation from immediately under the cartridge.
   In particular, if this operation is carried out immediately after stopping the engine, a large amount of oil will come out, so wait for 10 minutes before starting the operation.

6. Clean the filter holder, fill the new filter cartridge with engine oil, coat the seal surface and thread with engine oil (or coat it thinly with grease), then install the filter cartridge.

7. When installing the filter cartridge, bring the packing surface into contact with the seal surface of the filter holder, then tighten a further 3/4 – 1 turn.

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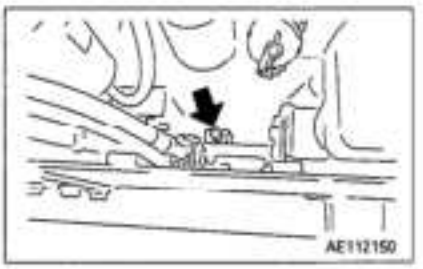
24.7 EVERY 2000 HOURS SERVICE

Maintenance for every 250, 500 and 1000 hours service should be carried out at the same time.

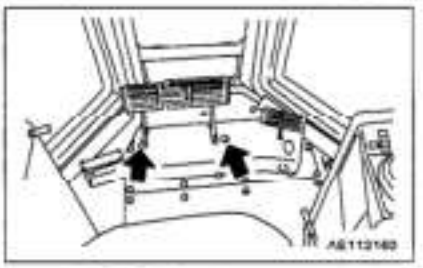
24.7.1 LUBRICATING

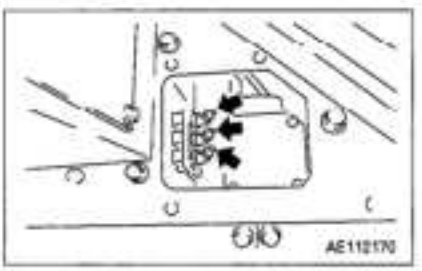
1. Lower the work equipment to the ground, then stop the engine.
2. Using a grease pump, pump in grease through the grease fittings shown by arrows.
3. After greasing, wipe off any old grease that was pushed out.

1. Equalizer bar shaft (1 place)



2. Brake pedal lever shaft (5 places)





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