CEAM027103

Operation & Maintenance Manual

PC390LL-10

LOG LOADER
ROAD BUILDER

SERIAL NUMBER PC390LL-10 A50601 and up

ENGINE 6D114E-5

July 2016

KOMATSU®

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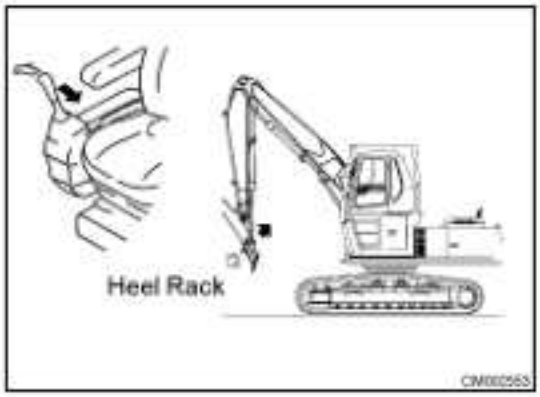
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- Bucket or Heel Rack Control

  Move the right work equipment control lever to the left or right to operate the bucket dump or curl; heel rack in or out.



If the work equipment control levers are returned to the NEUTRAL position when the machine is stopped, even if the fuel control dial is set to FULL, the auto-deceleration mechanism works to reduce the engine speed to a low range speed.

Remark

The control circuit on this machine is equipped with an accumulator. Even if the engine is stopped, if the starting switch key is turned to the ON position within 15 seconds after stopping the engine, and the lock lever is set to the FREE position, you can use the lever operation to lower the work equipment to the ground. This procedure can also be used for releasing the remaining pressure in the hydraulic cylinder circuits or for lowering the boom after loading the machine onto a trailer.

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Every 500 Hours Maintenance

Maintenance for every 100 and 250 hours service should be carried out at the same time.

Lubricating

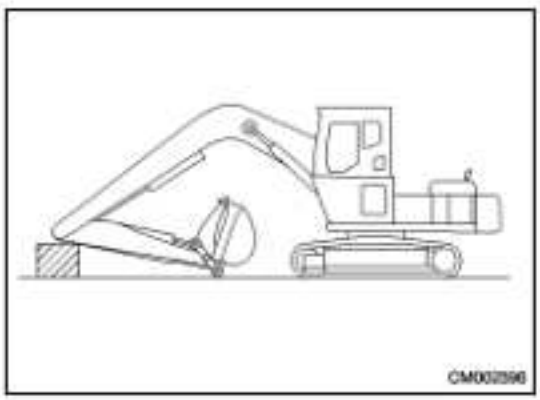
Remark

For the first 50 hours on a new machine, carry out greasing every 10 hours. Carry out the greasing also at 250 hours and 500 hours on a new machine. After this, carry out the greasing every 500 hours or every six months, whichever comes sooner.

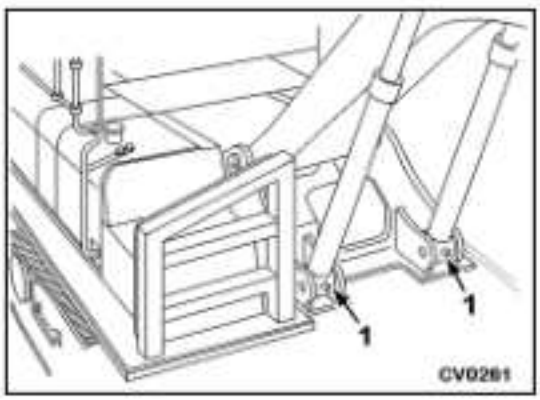
After carrying out digging work in water, always greasing the pins that were under water.

When carrying out heavy-duty operations, such as hydraulic breaker operations, carry out the greasing every 100 hours.

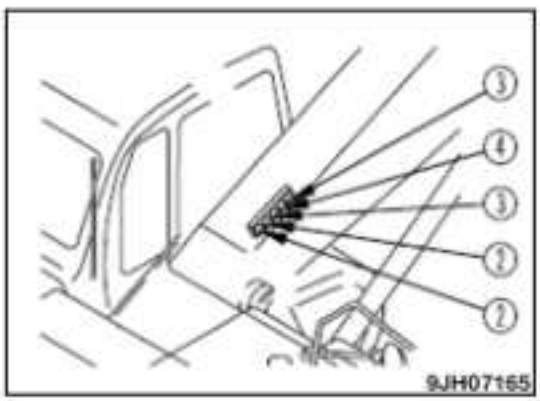
1. Set the work equipment in the greasing posture below, then lower the work equipment to the ground and stop the engine.
2. Using a grease pump, pump in grease through the grease fittings shown by arrows.
3. After greasing, wipe off any old grease that was pushed out.



(1) Boom cylinder foot pin (two places)



(2) Boom foot pin (two places)
(3) Boom cylinder rod end pin (two places)
(4) Arm cylinder foot pin (one place)



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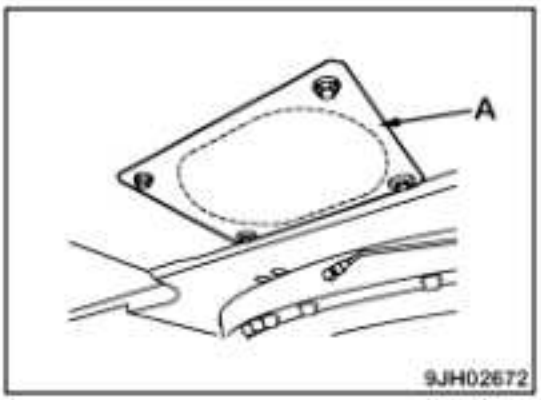
Change Oil in Swing Machinery Case

⚠ WARNING

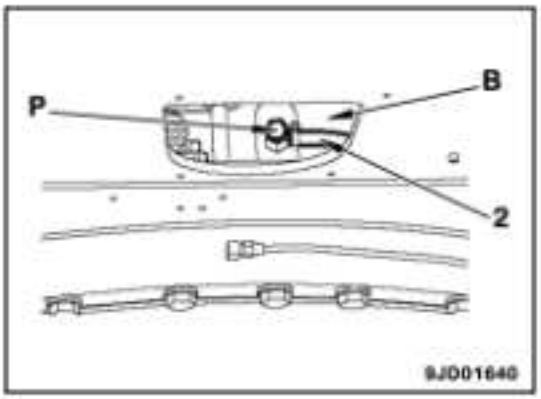
Parts and oil are at high temperature immediately after the engine is stopped and may cause serious burns. Wait for the oil temperature to cool before performing this operation.

Refill capacity: . . . . . 20 liters (5.3 US gal)

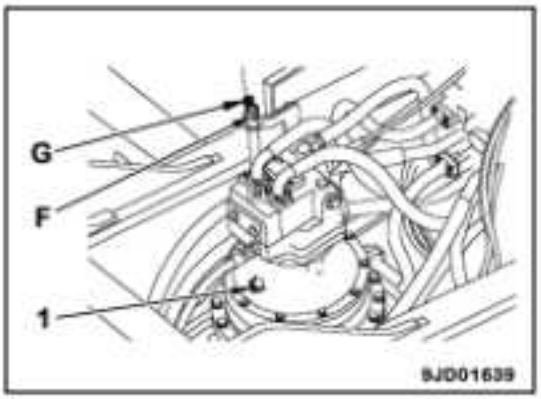
1. Remove cover (A) of the inspection hole.
   (Only demolition specification machines)



2. Place a container under drain valve (P) under the machine to catch the oil.
3. Loosen drain valve (P) under the machine, drain the oil, then tighten the drain valve again.
   - When draining the oil, take hose (2) out of inspection hole (B), then open the drain valve.
   - Check if the base of hose (2) is bent.If it is bent, the oil may not flow out easily.



4. Remove dipstick (G) and air bleeding plug (1).
5. Add oil through the pipe for dipstick (G) by the refill capacity.
6. Check the oil level. For details, see "Check Oil Level in Swing Machinery Case, Add Oil" on page 77.
7. Install air bleeding plug (1).



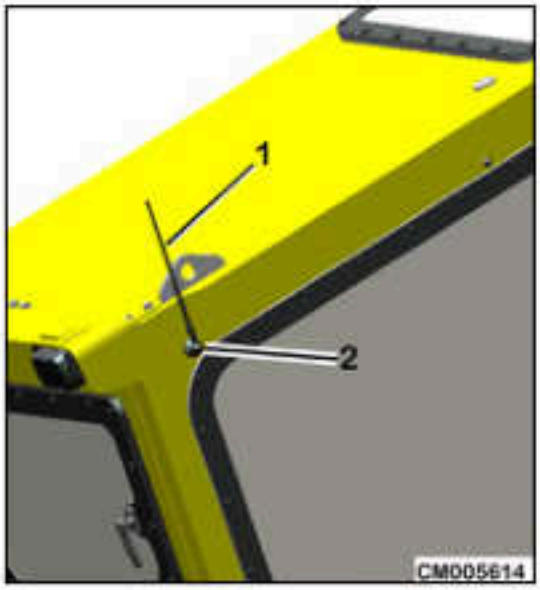
Remark

- *If the oil becomes thin thread condition, there is no problem in stopping the draining operation.*
- *To reduce the oil draining time, swing the upper structure to slightly increase the temperature of the machinery oil, then drain the oil. However, never swing the upper structure while draining the oil. This may cause breakage of the swing machinery.*

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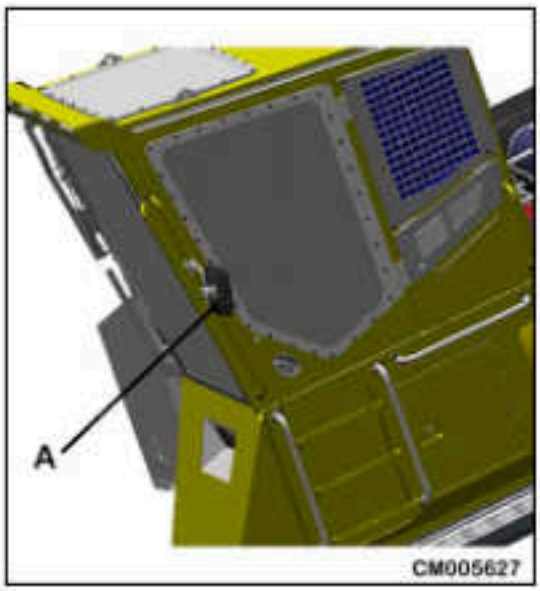
Stowing Radio Antenna

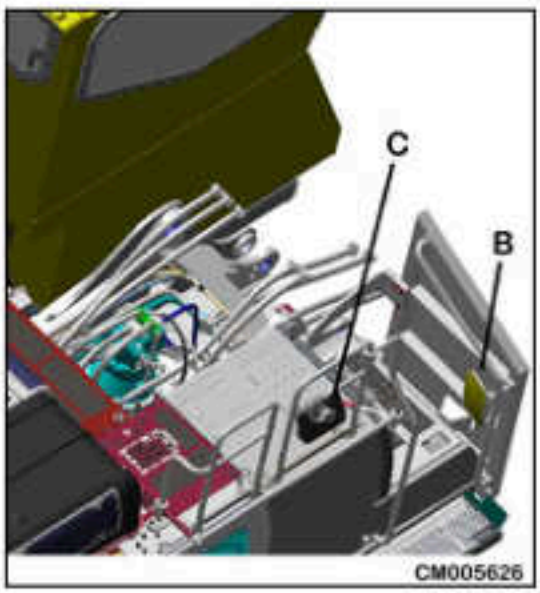
- Loosen bolt (2) of radio antenna (1) at the rear of the cab, lower the antenna, then tighten bolt (2) again to secure radio antenna (1) in position.
- When unloading the machine from the trailer and operating it, follow the opposite procedure from stowing to set radio antenna (1) vertical, then secure it in position with bolt (2).



Rear View Mirrors

The mirrors (A), (B), and (C) are at the positions shown in the diagram on the right.
If they are damaged, removed for shipment, or are to be installed again, use the following procedure.



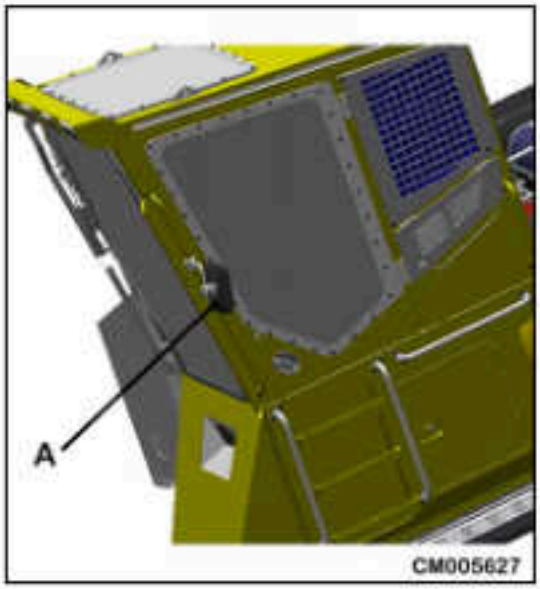


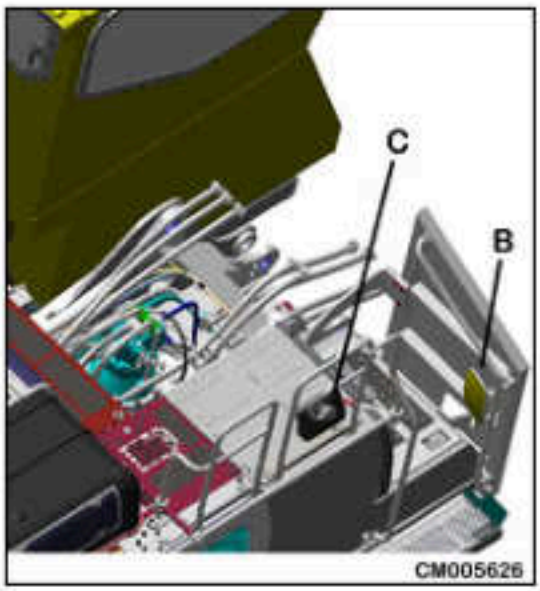
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Mirror Adjustment

⚠ WARNING

Always adjust the mirrors before starting operations. If the mirrors are not properly adjusted, it will be impossible to see properly, and there is danger that this may lead to serious personal injury.

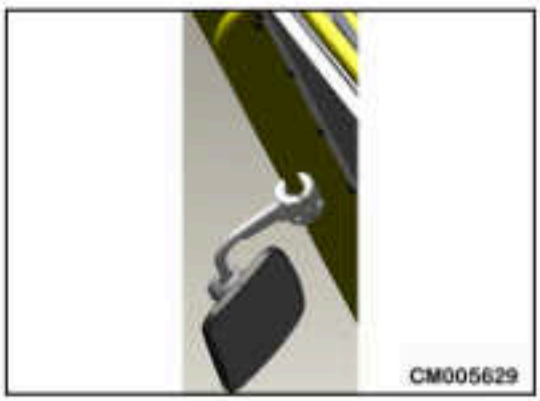




Mirror (A)

Adjust the mirror mount so that you can see people at the rear left of the machine.

- Adjust the mirror so that the side of the machine is reflected on the mirror as shown in the drawing on the right.



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