Operation & Maintenance Manual

SEAM039000T

[redacted]

CD110R-1

CRAWLER CARRIER

SERIAL NUMBERS CD110R-1259 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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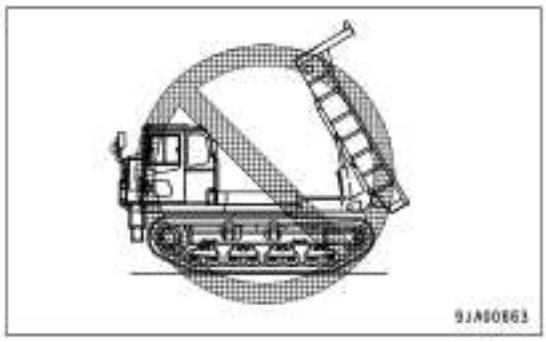
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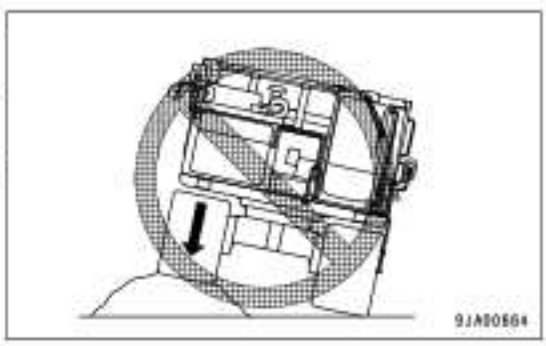
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PRECAUTIONS WHEN TRAVELING

- When using the machine, do not exceed its performance specifications such as the maximum loading capacity allowed by its structure in order to prevent accidents that are caused by overloading, including overturns and damages.
- Do not load the dump body above the maximum payload. The brakes will lose their effect.
- Load the dump body uniformly. Do not travel when the load in the dump body is unbalanced.
- When stacking U-pipes or concrete blocks, or when carrying other materials or equipment, lay planks, and secure with ropes to prevent the load from moving or falling.
- Stop the engine when raising the body for operation. It is extremely dangerous to carry out operations with any person in the dump body.
- Do not travel with the body raised. Do not operate the dump when traveling.



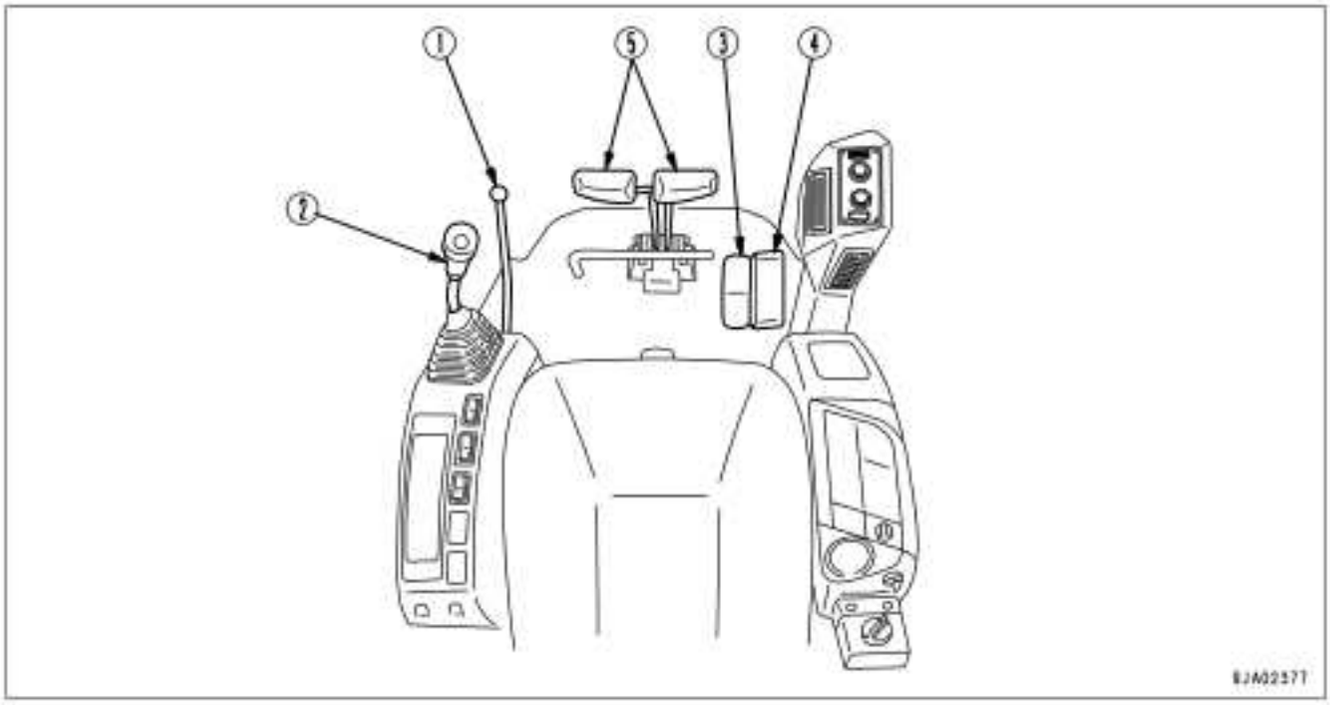
- Do not go in or out of the operator's compartment during loading operations.
- When not operating the dump body, set the body control pedal to the lock position to prevent the body from being operated by mistake.
- When traveling on rough ground, to prevent the machine from turning over, travel at low speed and avoid sudden changes in direction.
- Avoid traveling over obstacles. If it is necessary to travel over an obstacle, travel at a slow speed.
  The machine can easily tip to the left or right side, so never travel over objects which might cause the machine to tip.
  Do not travel over any obstacle that would cause the machine to tilt (more than 10°).



- When traveling or carrying out operations, always keep a safe distance from people, structures, or other machines to avoid coming into contact with them.
- When passing over bridges or structures, check first that the structure is strong enough to support the weight of the machine.
- When operating in tunnels, under bridges, under electric wires, or other places where the height is limited, operate slowly and be extremely careful not to let the work equipment hit anything.

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CONTROL LEVERS AND PEDALS



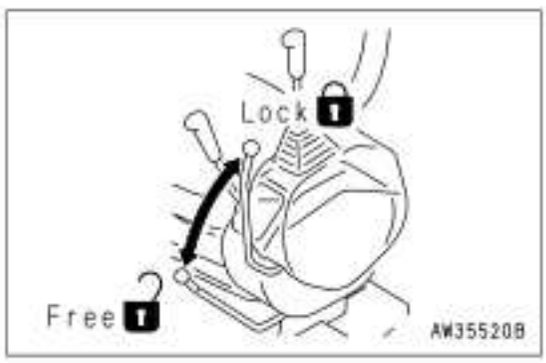
(1) Safety lock lever
(2) Swing lock lever
(3) Dump body control lever
(4) Pedal lock
(5) Travel levers

SAFETY LOCK LEVER

WARNING

- **Always set the safety lever to the LOCK position, before standing up from the operator's seat. If the control levers and pedals are not locked and are touched by accident, it may lead to serious injury or damage.**
- **If the safety lock lever is not placed securely in the LOCK position, the travel lever may not be properly locked. Confirm that it is set as shown in the figure.**

This lever (1) is used to lock travel, swing and dump body control lever.



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10. After bleeding the air, start the engine, and check that there is no leakage of oil from the filter seal circuit. If there is any leakage of oil, check the tightening of the filter cartridge. If there is still oil leakage, repeat Steps 1 and 2 to remove the filter cartridge, then check the packing surface for damage or embedded foreign material. If there is any damage or foreign material in the packing, replace the cartridge with a new part, then repeat Steps 3 to 9.

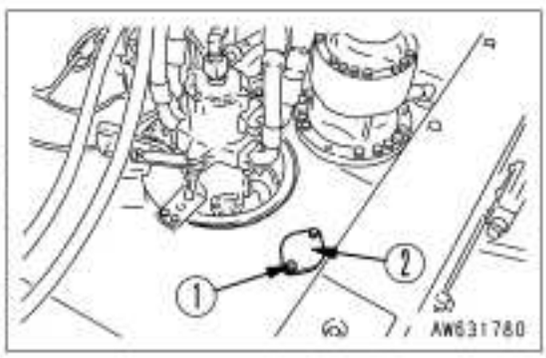
CHECK SWING PINION GREASE LEVEL, ADD GREASE

⚠ WARNING

- **Check that there is no one on or around the dump body before raising the dump body.**
- **After operating the dump body, lock the dump body control pedal with the pedal lock.**
- **Raise the body. Fit the dump body support rod securely to prevent the body from coming down.**
- **The parts and oil are at high temperature after the engine is stopped, and may cause serious burns. Wait for the temperature to go down before starting the operation.**

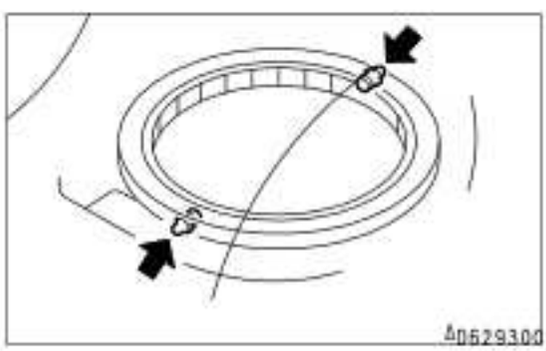
- Prepare a scale.

1. For the cover above the machinery, remove 4 mounting bolts, then remove the cover.
2. Remove bolts (1)(2 bolts) on the top of the revolving frame and remove cover (2).
3. Insert a scale into the grease and check that the height of the grease in the portion where the pinion passes is at least 4 mm (0.158 in). Add more grease if necessary.
4. Check if the grease is milky white. If it is milky white, it is necessary to change the grease. Please contact your Komatsu distributor.
   The total amount of grease is 6.5 liters (1.72 US gal)
5. Install cover (2) with bolts (1).



GREASE SWING CIRCLE

1. Using a grease pump, pump in grease through the grease fittings shown by arrows.
2. After greasing, wipe off any old grease that was pushed out.



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