Operation & Maintenance Manual

SEAM022908T

GALEO

PC1800-6

HYDRAULIC EXCAVATOR

SERIAL NUMBERS 10011,11002 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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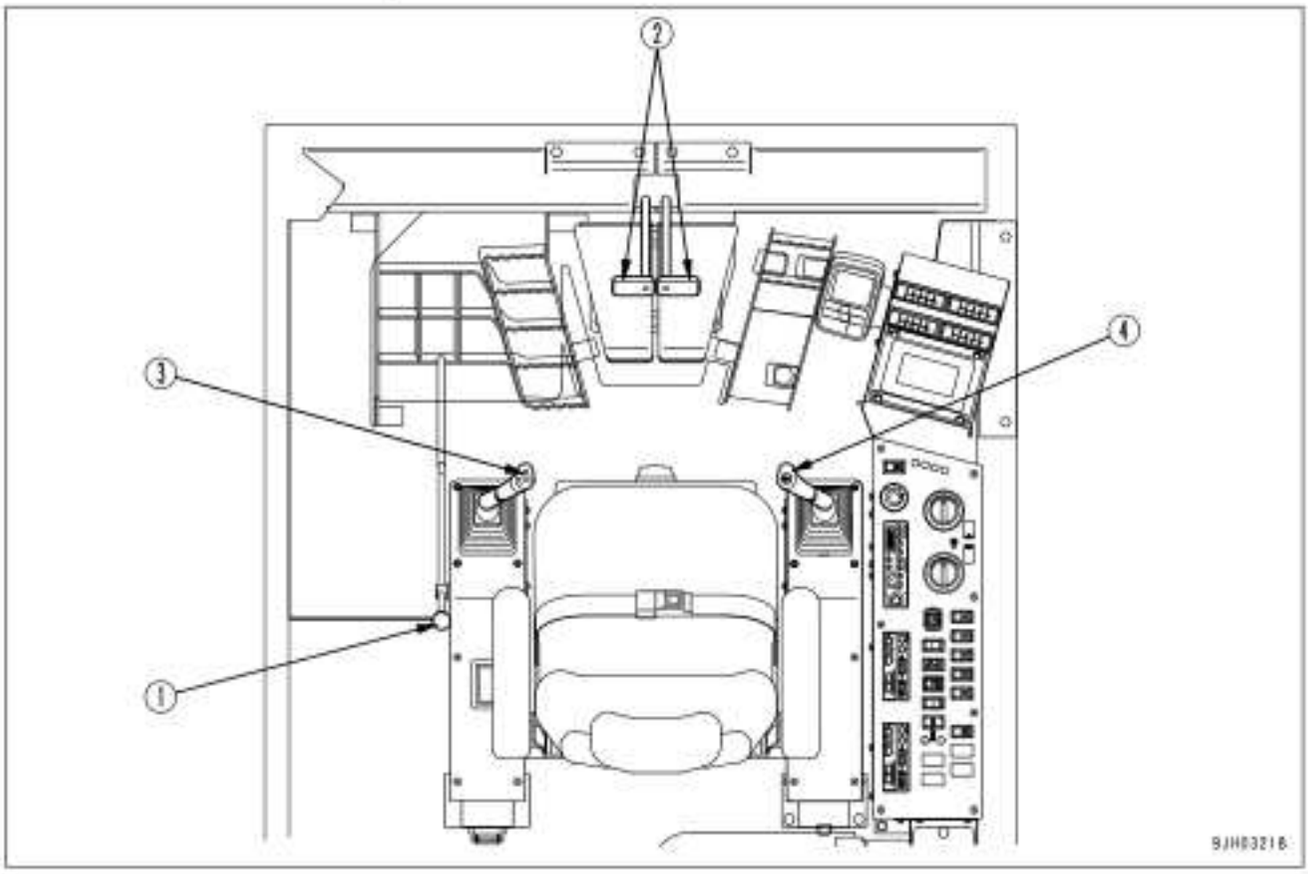
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CONTROL LEVERS, PEDALS



(1) Safety lock lever
(2) Travel levers
(with pedal, auto-deceleration mechanism)
(3) Left work equipment control lever
(4) Right work equipment control lever

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MAINTENANCE INFORMATION

Do not carry out any inspection and maintenance operation that is not found in this manual.

SERVICE METER READING

Check the service meter reading every day to see if the time has come for any necessary maintenance to be carried out.

KOMATSU GENUINE REPLACEMENT PARTS

Use Komatsu genuine parts specified in the Parts Book as replacement parts.

KOMATSU GENUINE LUBRICANTS

Use Komatsu genuine oils and grease. Choose oils and grease with proper viscosities specified for ambient temperature.

WINDSHIELD WASHER FLUID

Use automobile windshield washer fluid, and be sure not to let any dirt get into it.

FRESH AND CLEAN LUBRICANTS

Use clean oil and grease. Also, keep the containers of the oil and grease clean. Keep foreign materials away from oil and grease.

CHECK DRAINED OIL AND USED FILTER

After oil is changed or filters are replaced, check the old oil and filters for metal particles and foreign materials. If large quantities of metal particles or foreign materials are found, always report to the person in charge, and carry out suitable action.

FUEL STRAINER

If your machine is equipped with a fuel strainer, do not remove it while fueling.

WELDING INSTRUCTIONS

- Turn off the engine starting switch.
- Do not apply more than 200V continuously.
- Connect grounding cable within 1m (3.3 ft) from the area to be welded. If grounding cable is connected near instruments, connectors, etc., the instruments may have troubles.
- Avoid seals, bearings, hydraulic pumps, or the swing circle from being between the area to be welded and the position of grounding.
  The seals will be damaged by sparks.
- Do not use the area around the work equipment pins or the hydraulic cylinders as the grounding point.

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CHANGE OIL IN HYDRAULIC TANK, WASH STRAINER

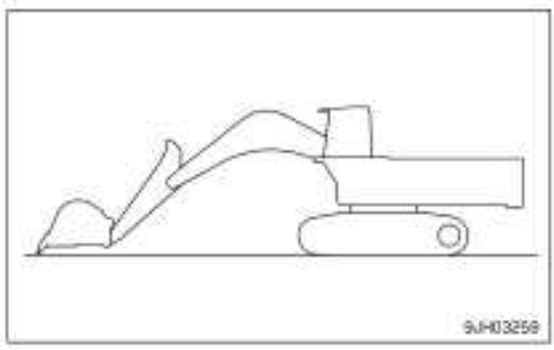
When using the standard specification hybrid hydraulic filter, see "EVERY 5000 HOURS MAINTENANCE (PAGE 4-103)".

⚠ WARNING

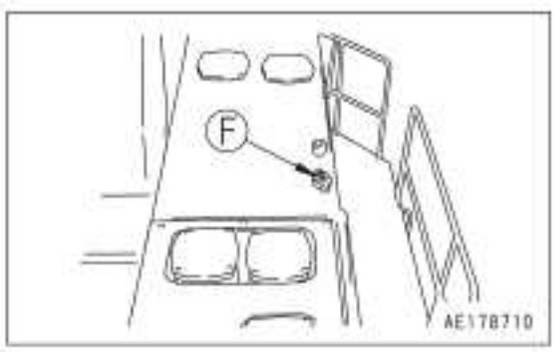
- **The parts and oil are at high temperature after the engine is stopped, and may cause serious burns. Wait for the temperature to go down before cleaning the hydraulic tank strainer.**
- **When the oil filler cap is removed, oil may spurt out, so turn the cap slowly to release the internal pressure, then remove it carefully.**
- **When holder cover (1) of the strainer is removed, cover (1) may fly off under the force of spring (2), so loosen the 4 bolts gradually.**

- Refill capacity: 1500 liters (396.30 US gal)
- Prepare a handle for socket wrench set

1. If the work equipment is not in the condition shown in the diagram on the right, start the engine, run the engine at low speed, retract the arm and bucket cylinders, then lower the boom, set the bucket teeth in contact with the ground, and stop the engine.
2. Within 15 seconds after stopping the engine, turn the starting switch to the ON position, and operate the control levers (work equipment, travel) fully in each direction to release the internal pressure.
3. Set the safety lock lever to the LOCK position, then stop the engine.



4. Remove the cap of oil filler (F).



5. After removing drain plugs (P1) at the four places under the machine, loosen plug (P2). After draining the oil, tighten plug (P2), then install drain plugs (P1).
   When loosening drain plug (P2), be careful not to get oil over yourself.

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