TEN00777-01

Operation & Maintenance Manual

HYDRAULIC
EXCAVATOR

PC138USLC-11

SERIAL NUMBERS 50830 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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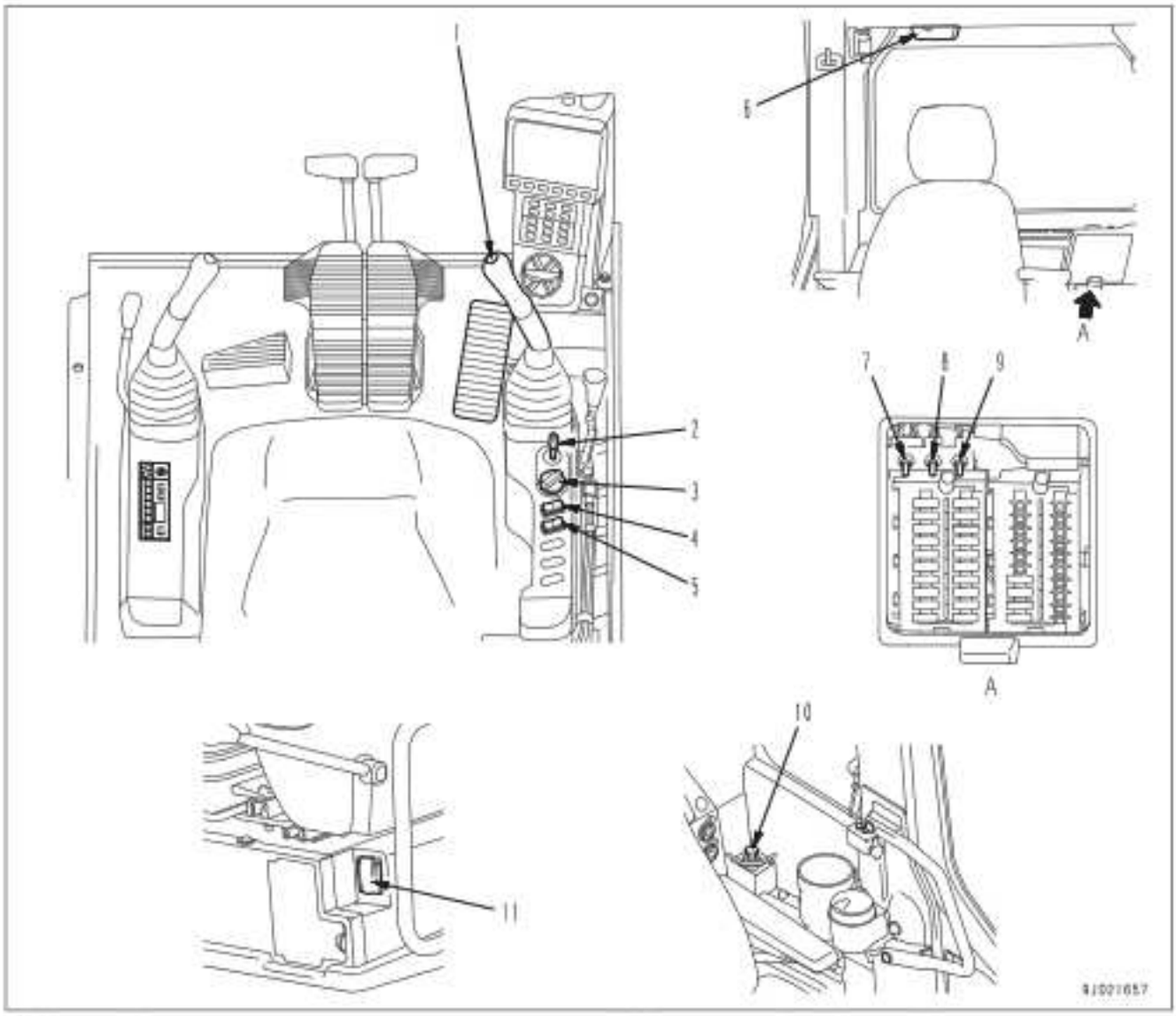
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SWITCHES

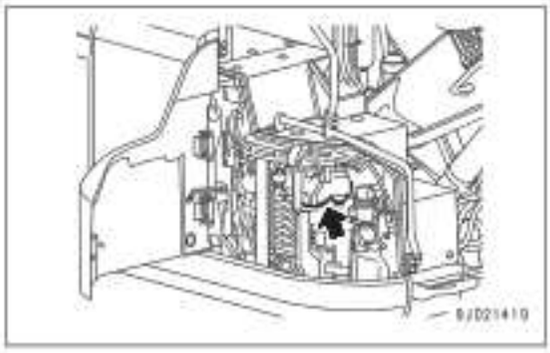


(1) Horn switch
(2) Starting switch
(3) Fuel control dial
(4) Lamp switch
(5) Swing lock switch
(6) Room lamp switch
(7) Pump secondary drive switch
(8) Swing parking brake cancel switch
(9) Lock lever automatic lock cancel switch
(10) Cigarette lighter
(11) Engine shutdown secondary switch

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DEF FILTER

DEF filter is an filter element to clean DEF sucked from the DEF tank by DEF pump, and to supply it to DEF injector.



NOTICE

- **The DEF filter element needs to be replaced every 2000 hours. For details of the replacement procedure, see "METHOD FOR REPLACING DEF FILTER (4-88)".**
- **If the machine is operated without DEF filter attached, or with the filter other than Komatsu genuine parts, foreign materials may enter into DEF pump and DEF injector which will cause failure of the machine. Never operate the machine without DEF filter attached, nor use the filter other than Komatsu genuine parts.**
- **DEF filter cannot be flushed. Flushing or regenerating of it will degrade the performance of DEF filter, and will contaminate DEF pump and DEF injector which will cause the failure of the machine. Never reuse the DEF filter.**

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METHOD FOR LIFTING MACHINE

⚠ WARNING

- **The person using the crane to perform lifting operations must be a qualified crane operator.**
- **Do not lift the machine with someone in it.**
- **Always use a wire rope that has ample strength for the weight of the machine.**
- **When lifting, keep the machine horizontal.**
- **When performing lifting operations, set the lock lever to LOCK position to prevent the machine from moving unexpectedly.**
- **Never enter the area under or around a lifted machine.**

Never try to lift the machine in any posture other than the posture given in the following procedures nor using other lifting equipment.
There is a danger that the machine loses its balance.

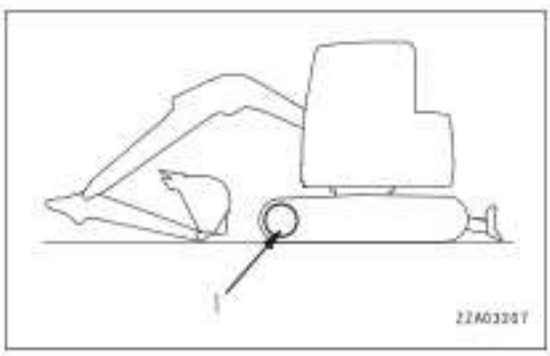
NOTICE

This lifting method applies to the standard specification machine.
The method of lifting differs depending on the attachments and options installed.
For details of the procedure for machines that are not the standard specification, consult your Komatsu distributor.

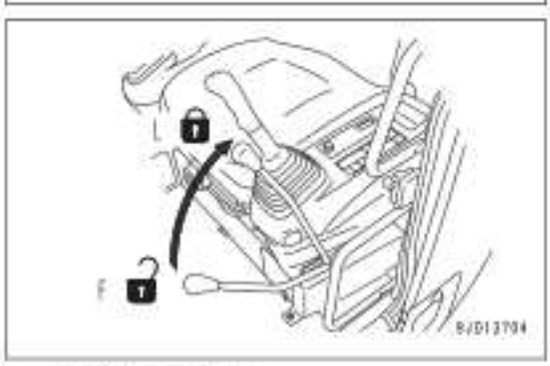
For the weight, see "SPECIFICATIONS (5-2)".

When lifting the machine, perform the operation on a flat ground according to the following procedure.

1. Start the engine.
2. Swing the upper structure in order for the position of the work equipment to come to the sprocket (1) side if the machine is equipped with a blade.
3. Extend the bucket cylinder and arm cylinder fully, then lower the work equipment to the ground using the boom cylinder as shown in the figure.
4. Lower the blade to the ground if the machine is equipped with a blade.



5. Set the lock lever securely to LOCK position (L).
6. Stop the engine.



7. Check that there is nothing around the operator's seat, and then get off the machine.
   Close the cab door and front window securely.

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