TEN00691-03

Operation & Maintenance Manual

PC45MR-5
PC55MR-5

HYDRAULIC EXCAVATOR

SERIAL NUMBERS	PC45MR-5 30001 and up PC55MR-5 20001 and up
ENGINE	4D88E-7

July 2016

KOMATSU

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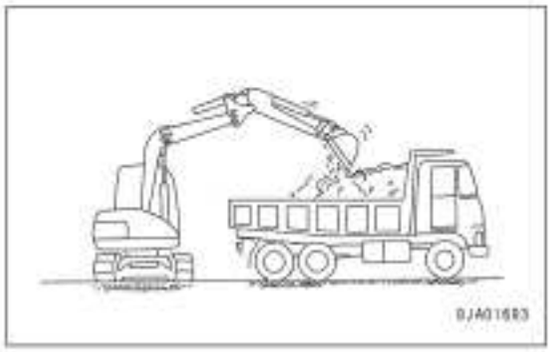
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LOADING WORK

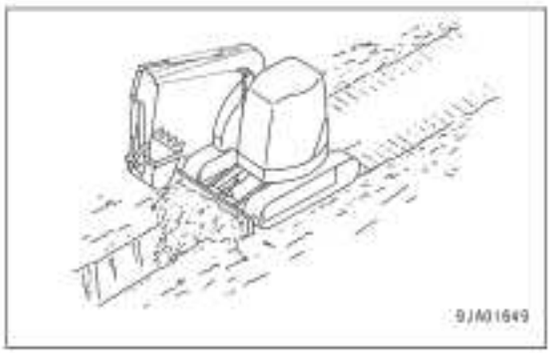
In places where the swing angle is small, work efficiency can be enhanced by locating the dump truck in a place easily visible to the operator.

Loading is easier and capacity becomes greater if you place the machine at the rear of the dump truck than if loading is done from the side.



LEVELING WORK

Use the blade for back filling and leveling work after digging the ground.



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MAINTENANCE PROCEDURE

INITIAL 10 HOURS MAINTENANCE (ONLY FOR THE FIRST 100 HOURS)

Until first 100 hours operation, perform the following maintenance every 10 hours.

- Lubrication of swing equipment
- Lubrication of work equipment

For details of the method of replacement or maintenance, see "EVERY 100 HOURS MAINTENANCE".

WHEN REQUIRED

METHOD FOR CHECKING, CLEANING AND REPLACING AIR CLEANER

⚠ WARNING

When using compressed air, there is a danger that dirt may scatter and cause personal injury.
Always wear protective eyeglasses, dust mask, or other protective equipment.

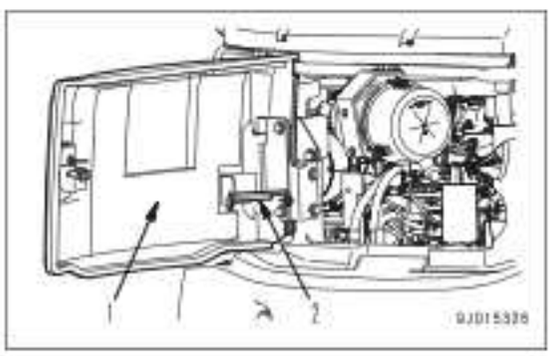
NOTICE

- **If any dirt enters the engine, it can damage the engine. Be sure to stop the engine before checking, cleaning, or servicing the air cleaner. Do not check, clean, or service the air cleaner in strong winds or in a dusty place.**
  When replacing the inner element, take extreme care.
- **Replace the outer element if it is cleaned 5 times repeatedly or used throughout a year. Replace the inner element as well at the same time.**

METHOD FOR CHECKING AIR CLEANER

1. Pull engine rear cover (1) toward you to open it.

   Open engine rear cover (1) fully and it is secured by rod (2).

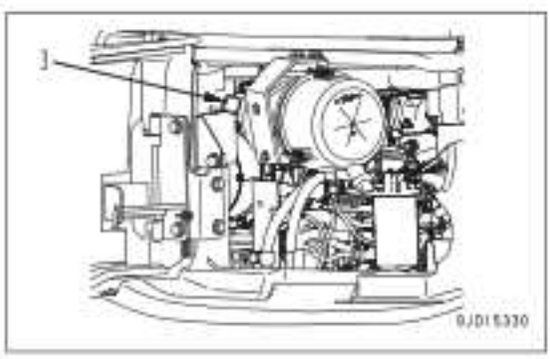


NOTICE

Do not clean the outer element before the red piston is projected into the transparent part of dust indicator (3).
If the outer element is cleaned frequently before the red piston protrudes, the air cleaner cannot display its normal performance and the cleaning effect decreases.

2. Check if the red piston is projected into the transparent part of dust indicator (3).

   If the red piston is projected, clean the air cleaner outer element.



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ATTACHMENT 1 PROPORTIONAL SWITCH

(For the machine equipped with proportional lever)

Use the 1st-line attachment proportional switch when operating general attachments such as crusher, etc.

Flow rate can be adjusted according to the operating amount of 1st-line attachment proportional switch.

This switch does not operate unless the working mode selector switch is set to attachment mode.

Push it to the right.

Oil flows to the piping on the right side of the arm (hydraulic tank side).



Push it to the left.

Oil flows to the piping on the left side of the arm (operator's seat side).

BREAKER OPERATION SWITCH

(For the machine equipped with proportional lever)

The breaker operation switch is used to operate the breaker.

Press the breaker operation switch and the oil flows continuously to the piping at the left side of arm (operator's seat side), and the breaker operates.

Press the breaker operation switch once more and the breaker stops.

This switch does not operate unless the working mode selector switch is set to attachment mode.



HORN SWITCH

(For the machine equipped with proportional lever)

The horn switch is used to sound the horn.



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