UEAM003201

Operation & Maintenance Manual

PW160-7K

WHEELED EXCAVATOR

SERIAL NUMBER
PW160-7K **- K40001** 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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LIFTING CAPACITY CHART PW160-7K

ONE PIECE BOOM Lift capacity tables

When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

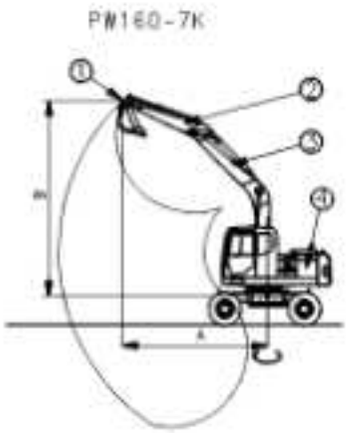
A - Reach from swing center

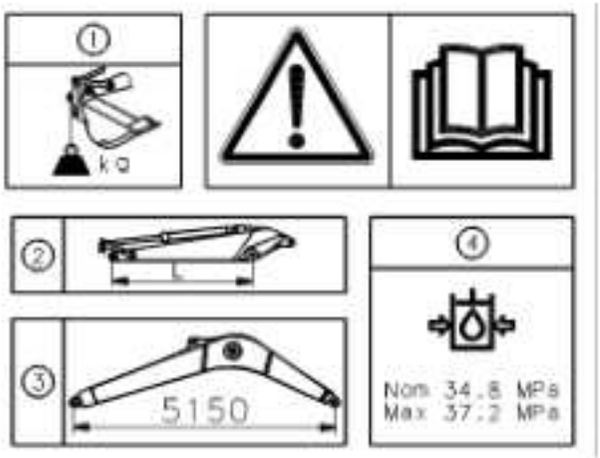
B - Bucket hook height

C - Lifting capacities, including bucket (495 kg), linkage (120 kg) and bucket cylinder (109 kg)

OF: Lifting capacity (Rating over front)
OS: Lifting capacity (Rating over side)

- MAX: Rating at maximum reach



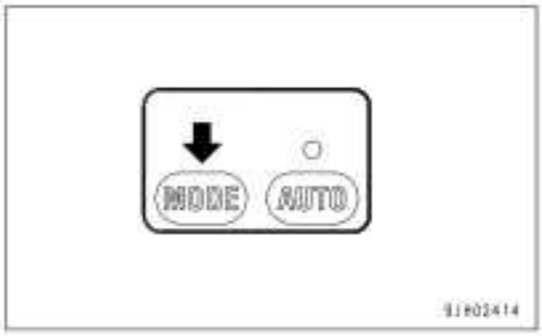


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VENT SELECTOR SWITCH

This switch (4) is used to select the vents.

- When switch (4) is pressed, the display on monitor display (7) switches and air blows out from the vents displayed.
- If AUTO operation is selected, the vents are selected automatically.



(A): Rear vents (4 places)

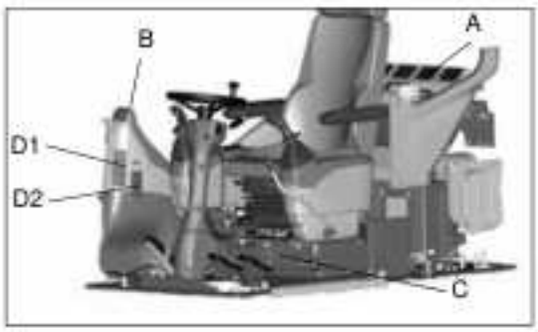
(B): Face vent (1 place)

(C): Foot vent (1 place)

(D1): Front window vent (1 place)

(D2): Front window vent (1 place)

- Front window vent (D2) can be opened or closed by hand.



Liquid crystal display	Vent mode	Vent				Remarks
		(A)	(B)	(C)	(D)	
	Front and rear vents (including defroster vent)	O	O		(O)	-
	Front and rear vents (including defroster vent)	O	O	O	(O)	-
	Foot vent			O		-
	Foot, foot vents (including defroster vent)		O	O	(O)	Cannot be selected for automatic operation
	Front vents (including defroster vent)		O		(O)	Cannot be selected for automatic operation

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OIL SAMPLING

- Sampling interval
  250 hours: Engine
  500 hours: Other components
- Precautions when sampling
  - Make sure that the oil is well mixed before sampling.
  - Carry out sampling regularly at fixed intervals.
  - Do not carry out sampling on rainy or windy days when water or dust can get into the oil.

For further details of KOWA, please contact your Komatsu distributor.

STORING OIL AND FUEL

- Keep indoors to prevent ingress of water, dirt, or other impurities.
- When keeping drums for a long period, put the drum on its side so that the filler port of the drum is at the side (to prevent moisture from being sucked in)
  If drums have to be stored outside, cover them with a waterproof sheet or take other measures to protect them.
- To prevent any change in quality during long-term storage, be sure to use in the order of first in first out (use the oldest oil or fuel first).

FILTERS

- Filters are extremely important safety parts. They prevent impurities in the fuel and air circuits from entering important equipment and causing problems.
  Replace all filters periodically. For details, see the Operation and Maintenance Manual.
  However, when working in severe conditions, it is necessary to consider replacing the filters at shorter intervals according to the oil and fuel (sulphur content) being used.
- Never try to clean the filters (cartridge type) and use them again. Always replace with new filters.
- When replacing oil filters, check if any metal particles are stuck to the old filter. If any metal particles are found, please contact your Komatsu distributor.
- Do not open packs of spare filters until just before they are to be used.
- Always use Komatsu genuine filters.

OUTLINE OF ELECTRIC SYSTEM

- If the wiring gets wet or the insulation is damaged, the electric system leaks and this could result in hazardous malfunction of the machine.

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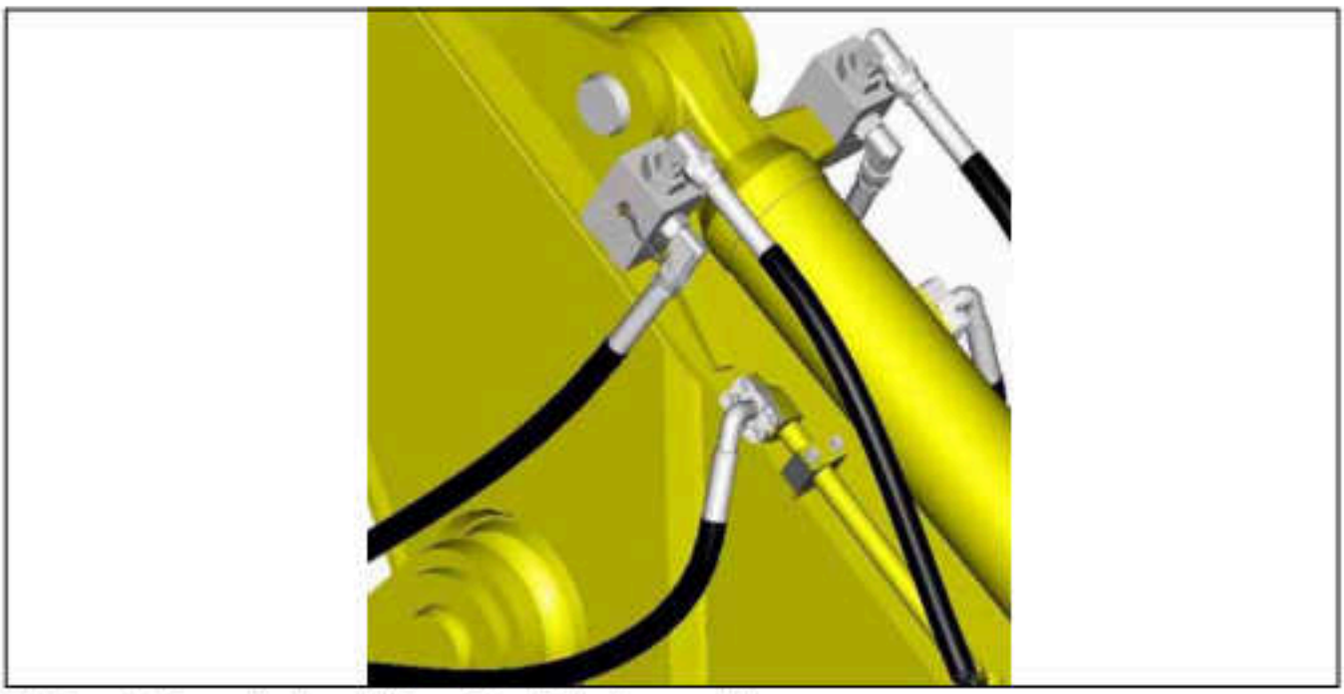
MACHINES READY FOR ATTACHMENTS

GENERAL LOCATIONS

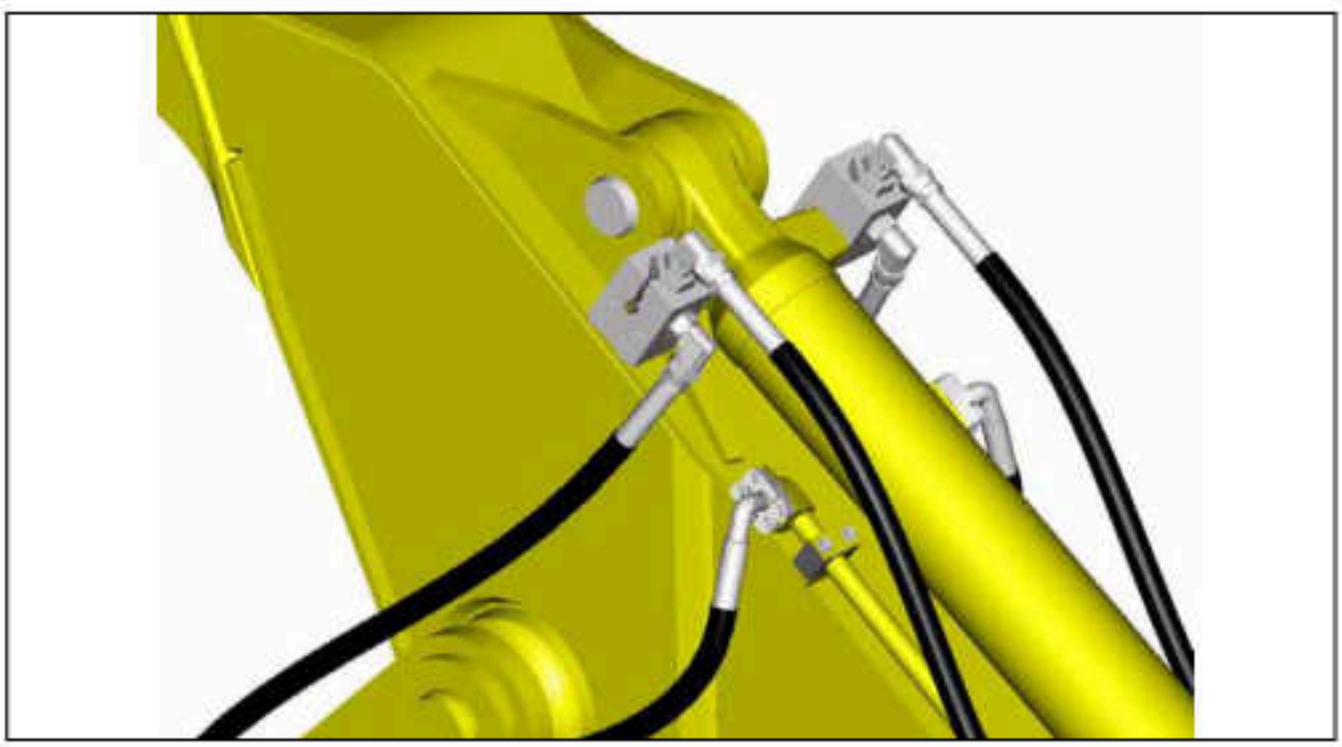
Clamshell Operation

Selector valves to be in position shown for clamshell operation.

Selector valve in normal position to bucket cylinder



Selector valve turned to clamshell operation. Both valves must be in same position



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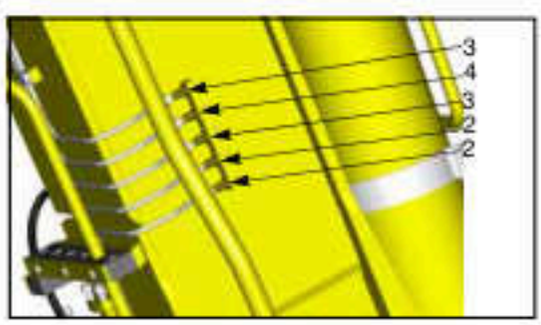
3. After greasing, wipe off any old grease that was pushed out.



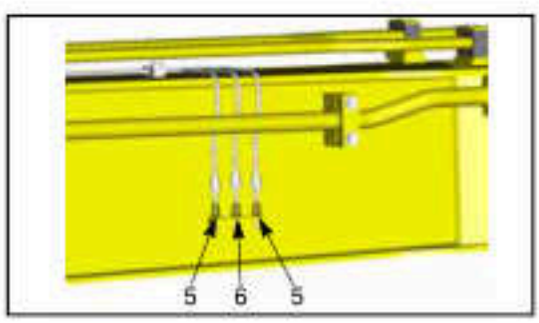
1. Boom cylinder foot pin (2 points).



2. Boom foot pin (2 points).
3. Boom cylinder rod end (2 points).
4. 1st to 2nd boom pin (1 point).



5. 1st to 2nd boom pin (2 points).
6. Arm cylinder foot pin (1 point).



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