VEAM390100

Operation & Maintenance Manual

PW160-7H

WHEELED EXCAVATOR

SERIAL NUMBER
PW160-7H **- H50051** 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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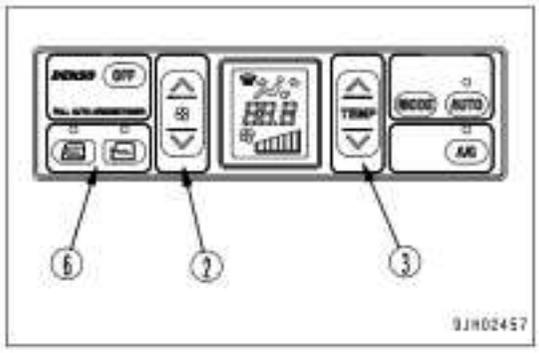
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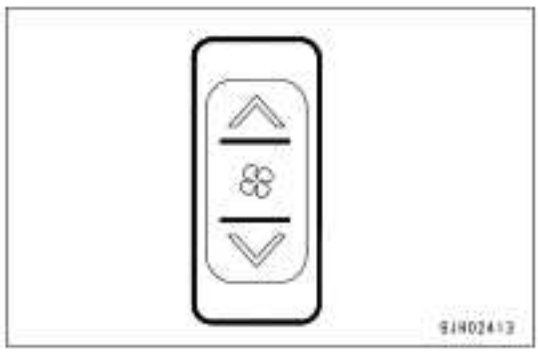
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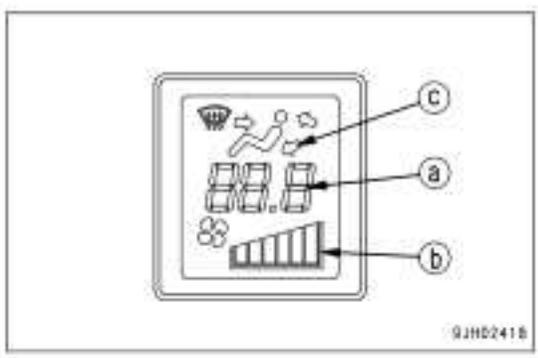
4. Adjust fan switch (2), temperature setting switch (3) and FRESH/RECIRC selector switch (6) to the desired positions.



DEFROSTER OPERATION

1. Press fan switch (2) and adjust the air flow. When doing this, check that temperature setting (a) and air flow (b) are displayed on the display monitor.





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WEAR PARTS LIST

Wear parts such as the filter element, bucket tooth, etc. are to be replaced at the time of periodic maintenance or before their abrasion limits.

The wear parts should be changed correctly in order to use the machine economically. For part change, Komatsu genuine parts of excellent quality should be used.
When ordering parts, please check the part number in the parts book.

The parts in parentheses are to be replaced at the same time.

Item	Part No.	Part Name	Q'ty	Replacement frequency
Hydraulic oil filter	20Y-60-31171 (07000-15195)	Element (Strainer) (O-ring)	1 (1)	Every 1000 hours service
Air cleaner	600-185-2520 600-185-2510 (600-184-1280)	Single element Safety element (O-ring)	1 1 (1)	When required
Engine oil filter	6736-51-5140	Cartridge	1	Every 500 hours service
Fuel filter	6737-71-6110	Cartridge	1	Every 500 hours service
Hydraulic tank filter	207-60-71180	Element (Filter)	1	Every 500 hours service

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SPECIFICATIONS

WEIGHT			PW160-7H
• Operation weight (without operator)			* 15800 kg
PERFORMANCE			
• Bucket capacity (standard bucket) SAE			0.8 m³
• Travel speed	Creep speed		2.5 km/h**
	Low speed		10 km/h**
	High speed	Non German specification	35 km/h**
		German specification	20 km/h**
• Swing speed			11.5 rpm
• Arm rotation speed			7 – 8 RPM
ENGINE			
• Model			Komatsu SAA4D102E-2 diesel engine
• Flywheel horsepower (NET)			87.5 kW (119 PS /2200 rpm)
• Starting motor			24 V 4.5 kW
• Alternator			24 V 45 A
• Battery			12 V 95 AH x 2 (STD) 12 V 120AH x 2 (OPTION)

* Weight will vary depending on specification

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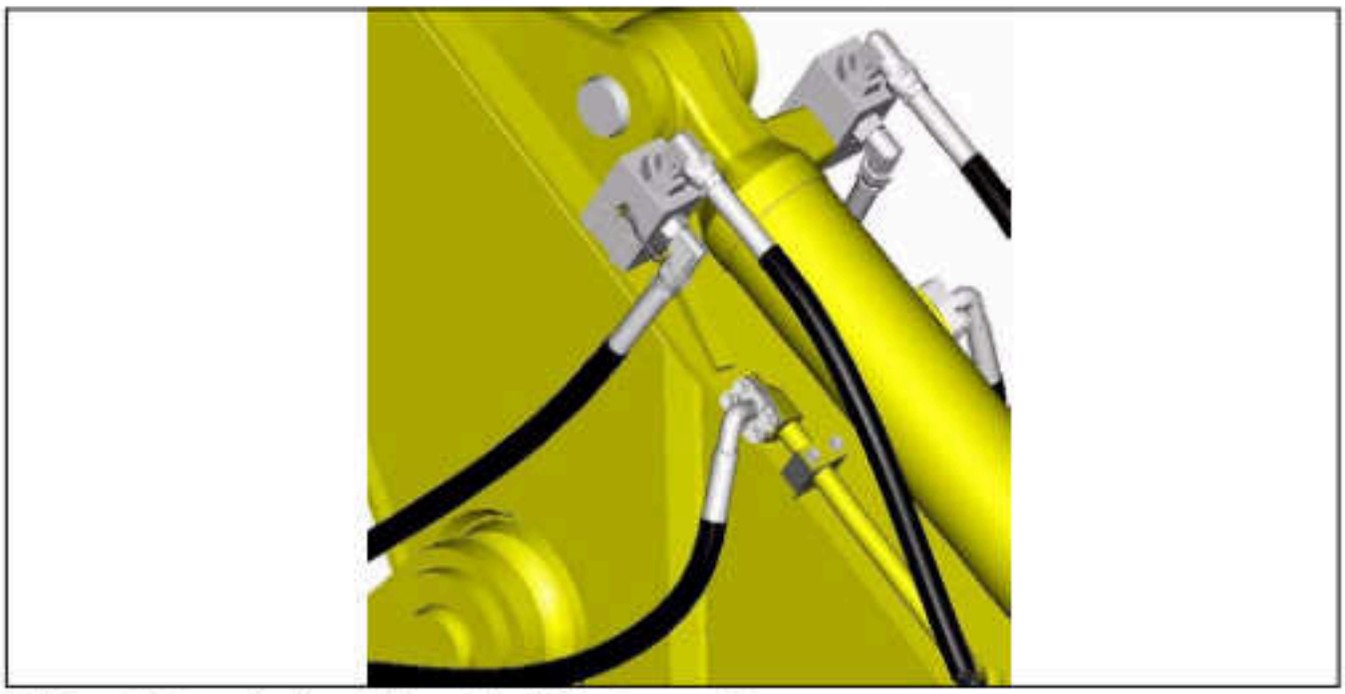
MACHINES READY FOR ATTACHMENTS

GENERAL LOCATIONS

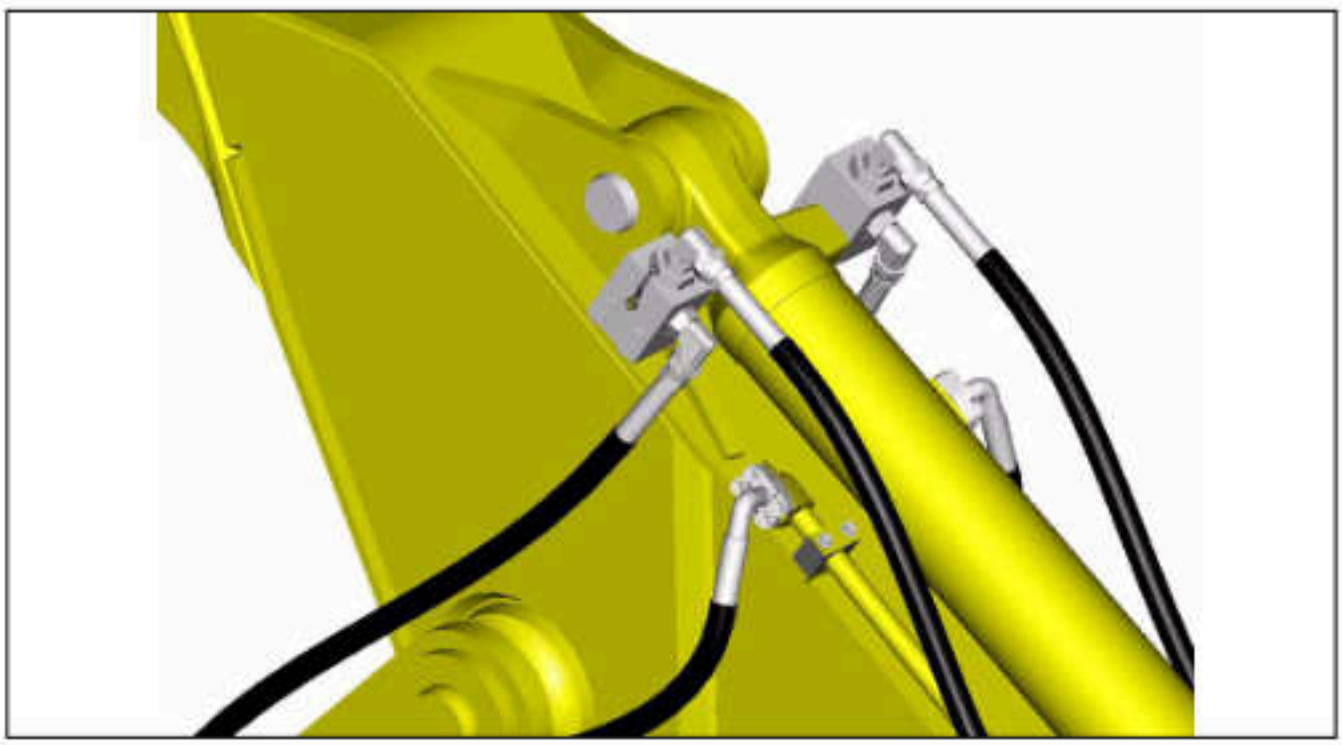
Clamshell Operation

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



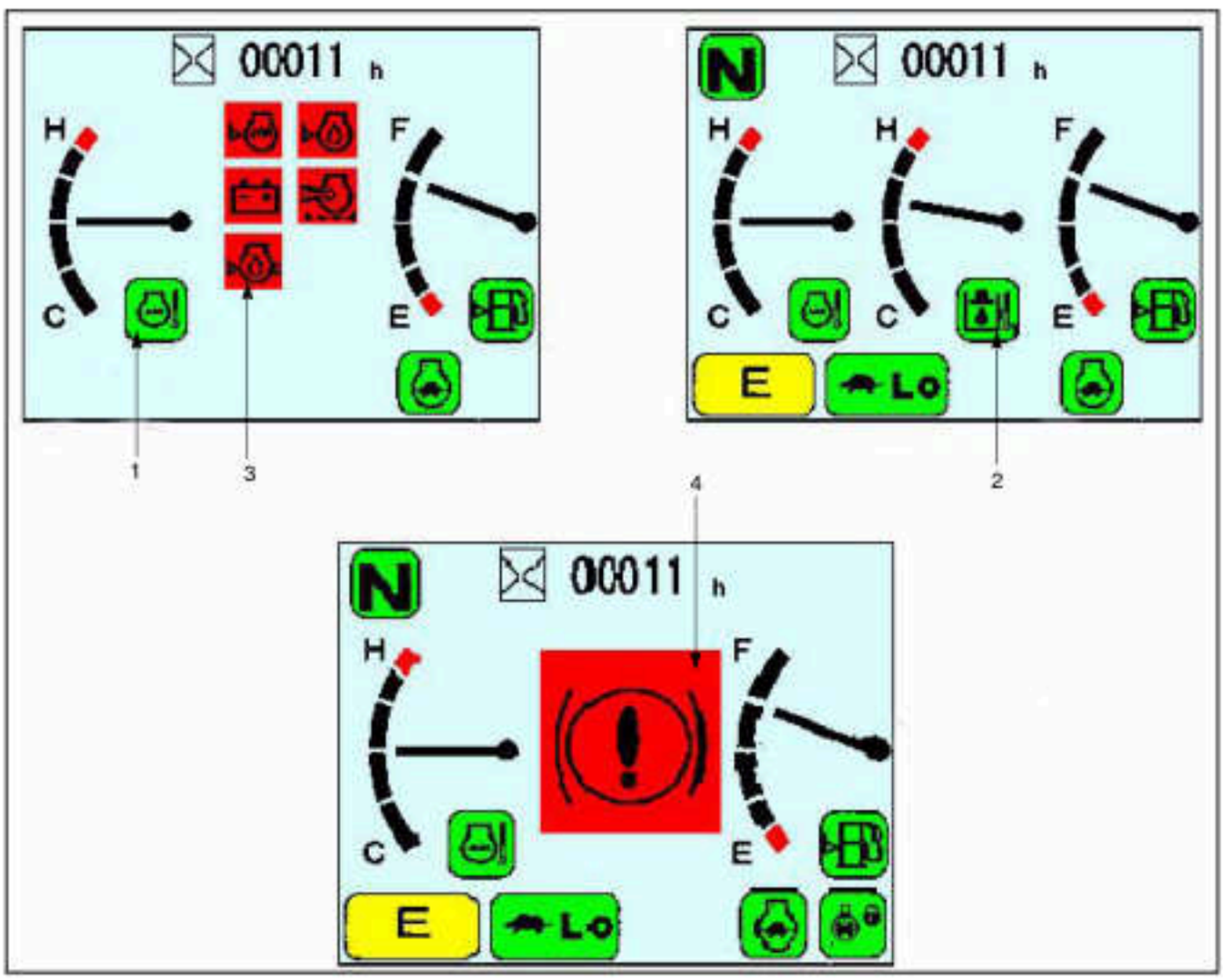
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EMERGENCY STOP ITEMS

⚠ CAUTION

If the monitor lights up red, stop the engine immediately or run it at low idle, then check the applicable location and carry out the necessary action.

These are items that should be observed while the engine is running. If there is an abnormality, the monitor for the abnormal location lights up red and the buzzer sounds, so carry out action immediately.



(1) Engine water temperature monitor	(3) Engine oil pressure monitor
(2) Hydraulic oil temperature monitor	(4) Low brake pressure

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