SEAM014506T

Operation & Maintenance Manual

WA500-3

WHEEL LOADER

SERIAL NUMBERS WA500-3 52001 - 52379

April 2005

KOMATSU

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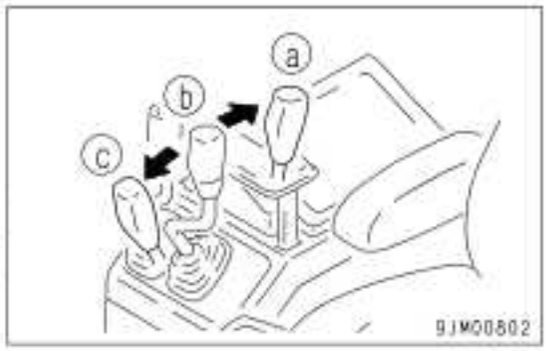
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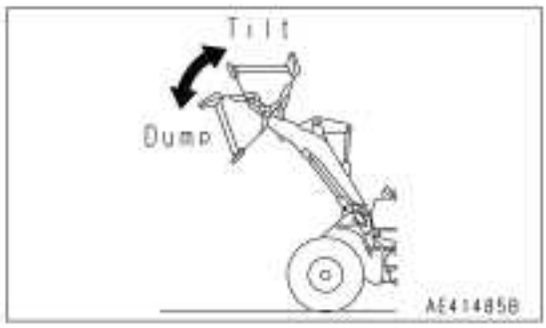
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BUCKET CONTROL LEVER

Position (a): TILT
Position (b): HOLD
The bucket is kept in the same position.
Position (c): DUMP

When the bucket control lever is pulled further from the TILT position, the lever is stopped in this position until the bucket reaches the preset position of the positioner, and the lever is returned to the HOLD position.





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GUIDES TO MAINTENANCE

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

CHECK SERVICE METER:
Check the service meter reading every day to see if the time has come for any necessary maintenance to be performed.

KOMATSU GENUINE REPLACEMENT PARTS:
Use Komatsu genuine parts specified in the Parts Book as replacement parts.

KOMATSU GENUINE OILS:
Use Komatsu genuine oils and grease. Choose oils and grease with proper viscosities specified for ambient temperature.

ALWAYS USE CLEAN WASHER FLUID:
Use automobile window washer fluid, and be careful not to let any dirt get into it.

ALWAYS USE CLEAN OIL AND GREASE:
Use clean oil and grease. Also, keep the containers of the oil and grease clean. Keep foreign materials away from oil and grease.

CHECKING FOR FOREIGN MATERIALS IN DRAINED OIL AND ON FILTERS:
After oil is changed or filters are replaced, check the old oil and filters for metal particles and foreign materials. If large quantity 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 200 V continuously.
- Connect grounding the cable within 1 m (3.28 ft) from the area to be welded. Connecting grounding cable near meters and connectors will lead to the failure of meters.
- If a seal or bearing happens to come between the part being welded and grounding point, change the grounding point to avoid such parts.
- Do not use the area around the work equipment pins or the hydraulic cylinders as the grounding point.

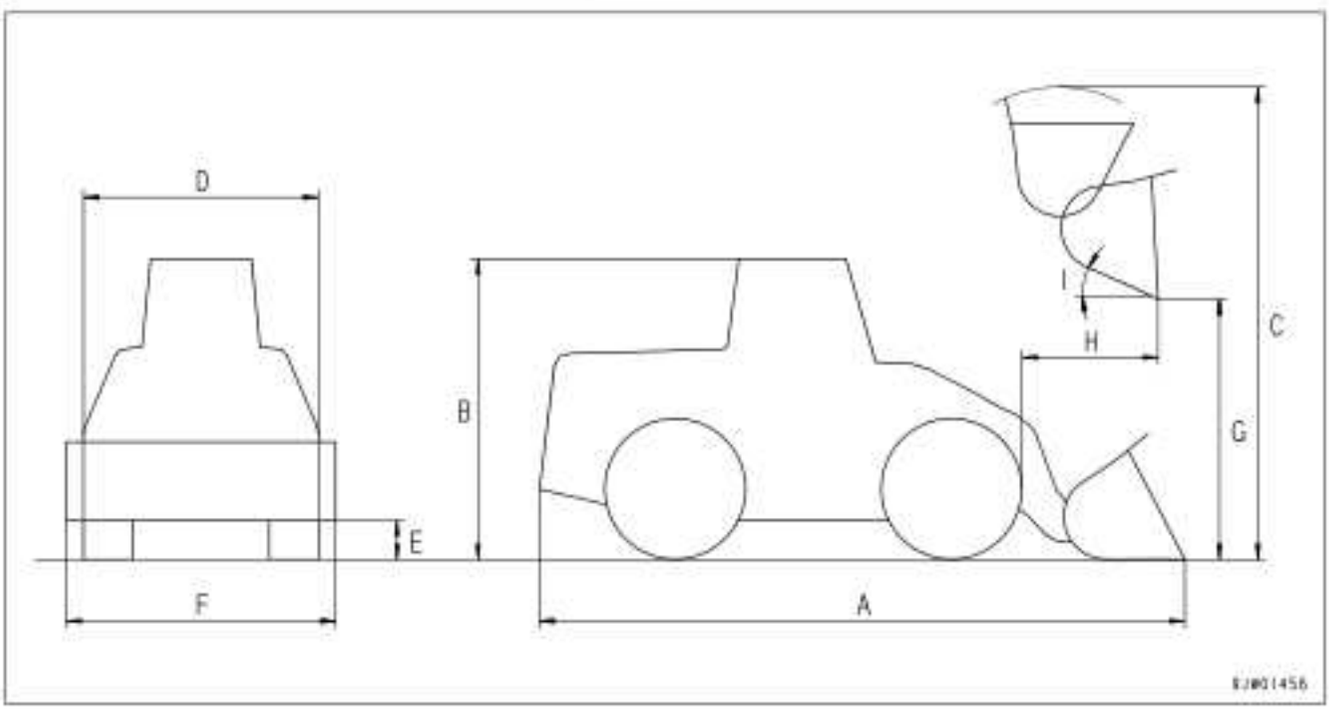
DO NOT DROP THINGS INSIDE MACHINE:
- When opening inspection windows or the oil filler port of the tank to carry out inspection, be careful not to drop nuts, bolts, or tools inside the machine.
  If such things are dropped inside the machine, it may cause damage and/or malfunction of the machine, and will lead to failure. If you drop anything inside the machine, always remove it immediately.
- Do not put unnecessary things in your pockets. Carry only things which are necessary for inspection.

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SPECIFICATIONS

WA500-3

	Item			Unit	WA500-3
	Operating weight (including 1 operator: 75 kg (165 lb))			kg (lb)	28,220 (62215)
	Normal load			kg (lb)	8,100 (17860)
	Bucket capacity (with tip tooth)			m^3 (cu.yd)	4.3 (5.6)
	Engine model			–	Komatsu SA6D140E-3 diesel engine
	Flywheel horsepower			kW(HP)/rpm	235 (316)/2,100
A	Overall length (without tooth)			mm (ft in)	9,055 (29' 8")
B	Overall height			mm (ft in)	3,815 (12' 6")
C	Max. dimension when shanking bucket			mm (ft in)	6,070 (19' 11")
D	Overall width			mm (ft in)	3,090 (10' 2")
E	Min. ground clearance			mm (ft in)	405 (1' 4")
F	Bucket width (cutting edge width)			mm (ft in)	3,400 (11' 2")
G	Clearance	Tip of bucket		mm (ft in)	3,290 (10' 10")
		Tip of teeth		mm (ft in)	3,025 (9' 11")
H	Reach	Tip of bucket		mm (ft in)	1,320 (4' 4")
		Tip of teeth		mm (ft in)	1,490 (4' 11")
I	Dump angle			degrees	45
	Min. turning radius	Outside of chassis		mm (ft in)	7,390 (24' 3")
		Center of outside tire		mm (ft in)	6,160 (20' 3")
	Travel speed	Forward	1st	km/h (MPH)	6.7 (4.2)
			2nd	km/h (MPH)	12.0 (7.5)
			3rd	km/h (MPH)	20.2 (12.6)
			4th	km/h (MPH)	33.0 (20.5)
		Reverse	1st	km/h (MPH)	7.5 (4.7)
			2nd	km/h (MPH)	13.4 (8.3)
			3rd	km/h (MPH)	22.5 (14.0)
			4th	km/h (MPH)	36.1 (22.4)



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