TEN00125-05

Operation & Maintenance Manual

WHEEL LOADER **WA450-6**

SERIAL NUMBERS 66001 and up

ecot3

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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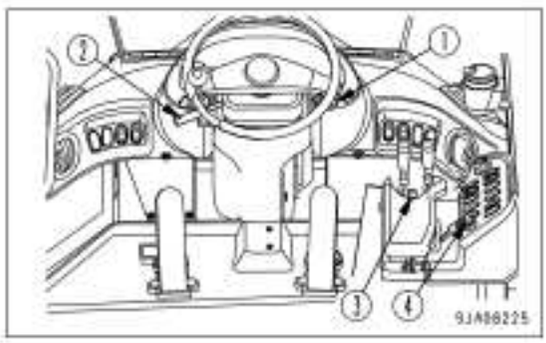
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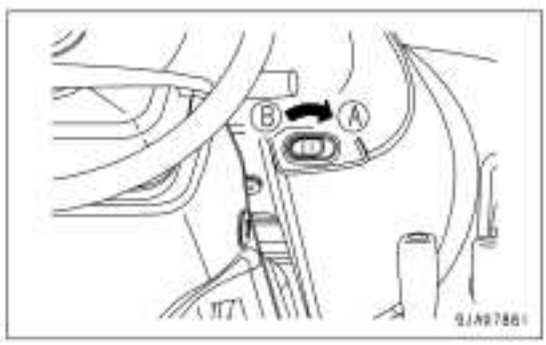
OPERATIONS AND CHECKS BEFORE STARTING ENGINE

WARNING

When starting the engine, check that the work equipment lock lever are placed securely at the LOCK position. If the work equipment control lever is touched by accident when the engine is started, the work equipment may move unexpectedly and cause serious injury or damage.



1. Check that parking brake switch (1) is at the ON position (A).

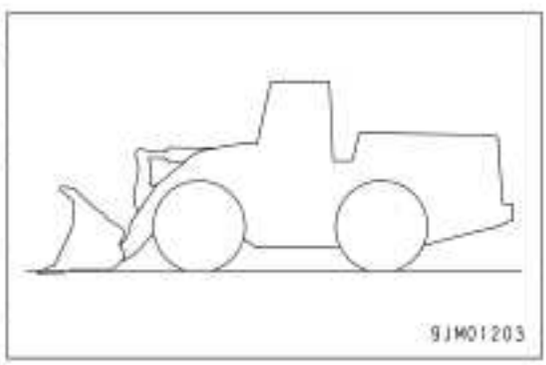


2. Check that directional lever (2) is at the Neutral position (N).

REMARK
If directional lever is not set to the Neutral position (N), the engine will not start.



3. Check that the bucket is completely lowered to the ground.
   If it is not completely lowered, lower the bucket to the ground as follows.
   1) Check that the work equipment control lever is at the HOLD position, then set the work equipment lock lever to the FREE position.
   2) Operate the work equipment control lever to lower the bucket to the ground.
   3) Check that the work equipment control lever is at the HOLD position, then set the work equipment lock lever to the LOCK position.



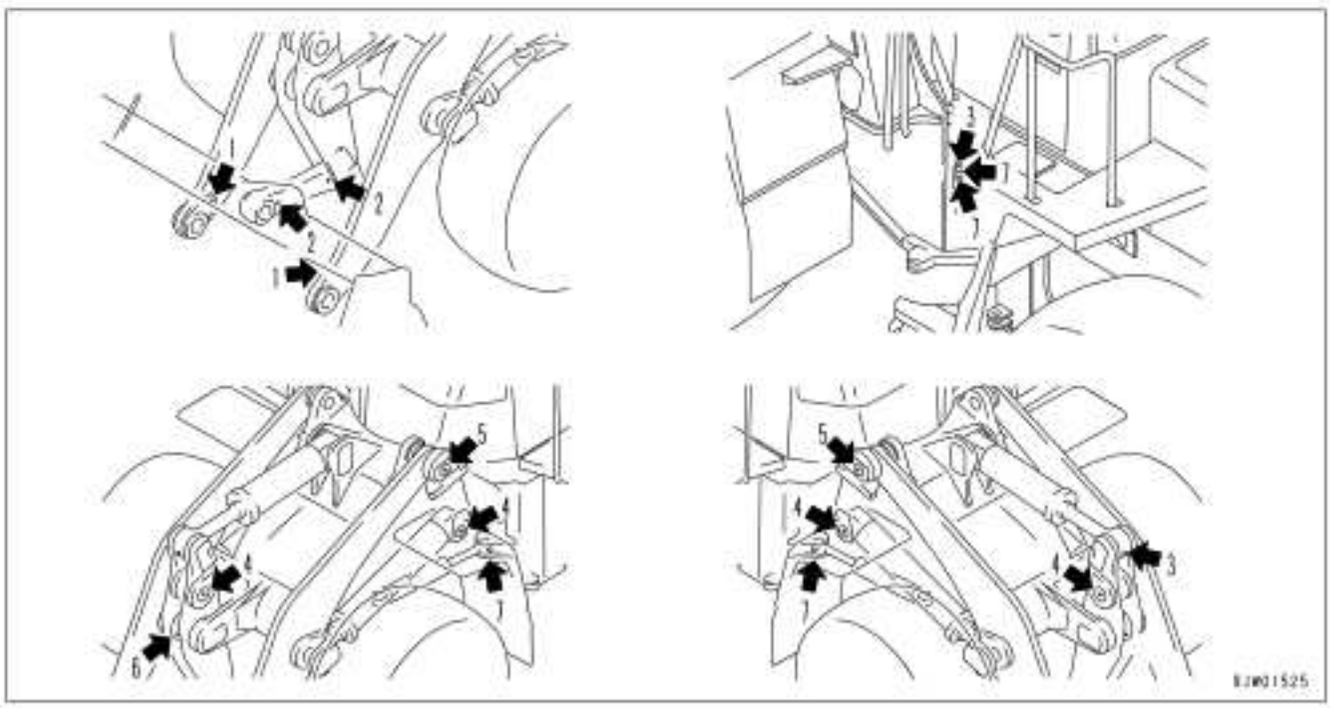
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LUBRICATING

1. By using a grease pump, pump in grease through the grease fittings marked by the arrows.
2. After greasing, wipe off any old grease that was pushed out.

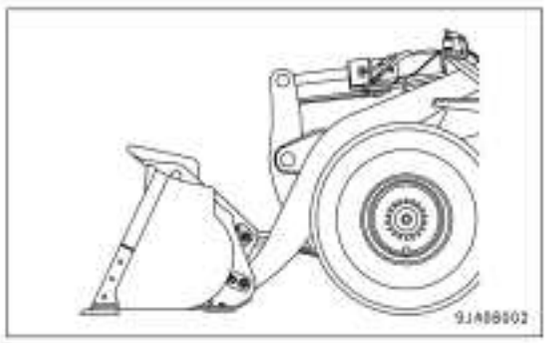
NOTICE

When working on jobsites where heavy-duty operations are frequent or when working continuously for more than eight hours, shorten the lubrication interval and carry out lubrication more frequently.
For the initial 50 hours, carry out lubrication every 10 hours.



(1) Bucket pin (2 places)
(2) Bucket link pin (2 places)
(3) Dump cylinder pin (2 places)
(4) Lift cylinder pin (4 places)
(5) Lift arm pivot pin (2 places)
(6) Bell crank pin (1 place)
(7) Steering cylinder pin (4 places)

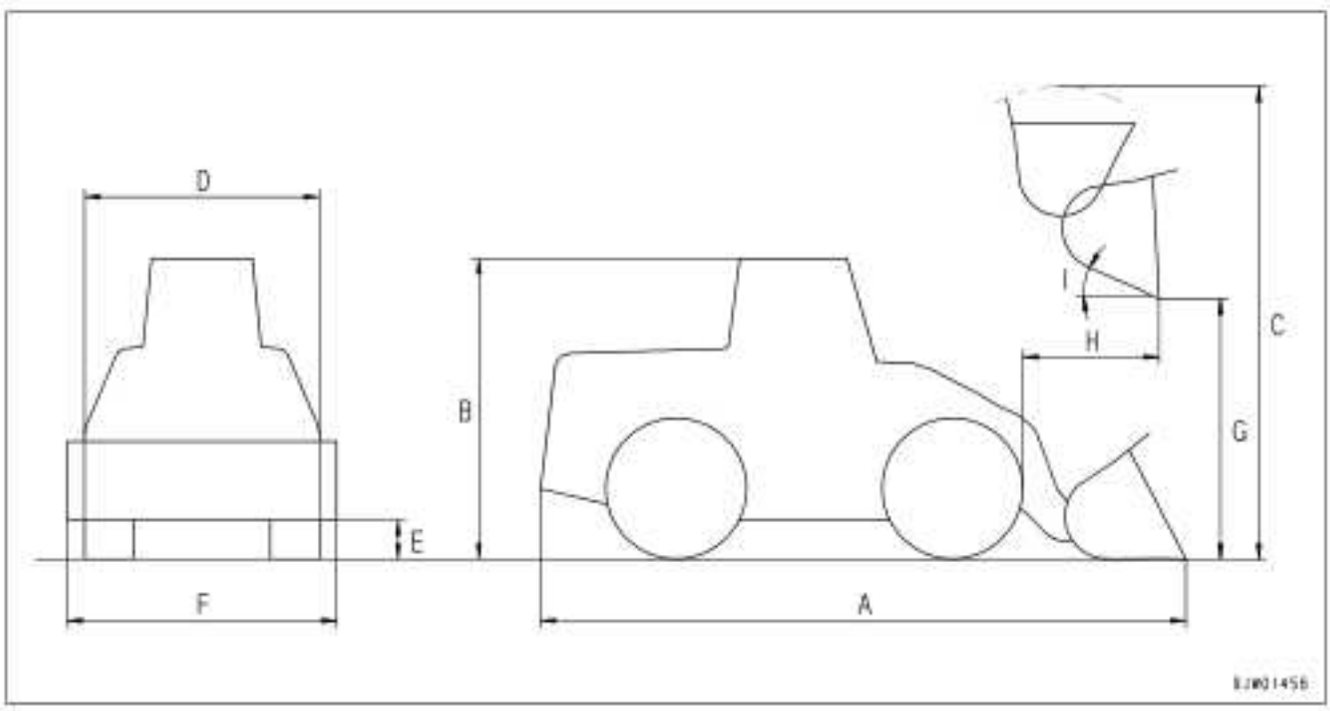
When carrying out greasing of bucket pin (1), lift arm pivot pin (5), and bell crank pin (6), set the work equipment to the following posture.
Lower the bucket to the ground and set it horizontally.



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SPECIFICATIONS

	Item			Unit	WA450-6 standarad specification machine (when using POWER mode)
	Machine weight			kg (lb)	22,100 (48,731)
	Normal load			kg (lb)	6,720 (14,818)
	Bucket capacity	Heaped		m^3(cu.yd)	4.2 (5.5)
	Engine model			-	Komatsu SAA6D125E-5 diesel engine
	Flywheel horse power			kW (HP)/rpm	203 (272)/2,000
A	Overall length			mm (ft in)	8,825 (28'11")
B	Overall height			mm (ft in)	3,500 (11' 6")
C	Max.dimension when shaking bucket			mm (ft in)	5,960 (19' 7")
D	Overall width			mm (ft in)	3,010 (9'11")
E	Min. ground clearance			mm (ft in)	525 (1' 9")
F	Bucket width			mm (ft in)	3,170 (10' 5")
G	Clearance	Cutting edge [BOC tip]		mm (ft in)	3,270 (10' 9") [3,185 (10' 5")]
H	Reach	Cutting edge [BOC tip]		mm (ft in)	1,190 (3' 11") [1,235 (4' 1")]
I	Dump angle			degrees	45
	Min. turning radius	Out of chassis		mm (ft in)	7,640 (25' 1")
		Center of out side tire		mm (ft in)	6,630 (21' 9")
	Permissible towing load			kN (kg)	135 (13,720)
	Travel speed	Forward	1st	km/h (MPH)	6.3 (3.9)
			2nd	km/h (MPH)	12.1 (7.5)
			3rd	km/h (MPH)	21.7 (13.5)
			4th	km/h (MPH)	34.9 (21.7)
		Reverse	1st	km/h (MPH)	6.7 (4.2)
			2nd	km/h (MPH)	12.8 (8.0)
			3rd	km/h (MPH)	23.0 (14.3)
			4th	km/h (MPH)	36.0 (22.4)



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