CEAM017205

Operation & Maintenance Manual

WA380-6

WHEEL LOADER

SERIAL NUMBERS WA380-6 A53001 – A53999

ENGINE 6D107E-1

March 2016

KOMATSU®

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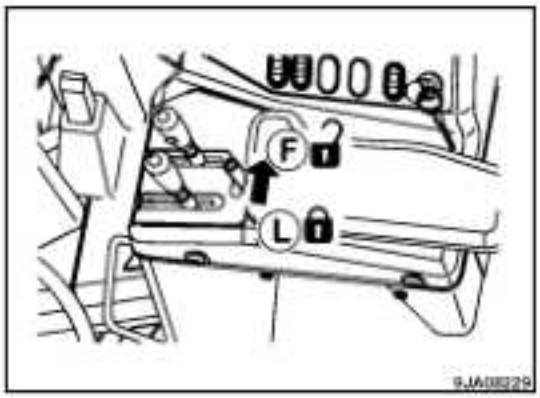
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OPERATION

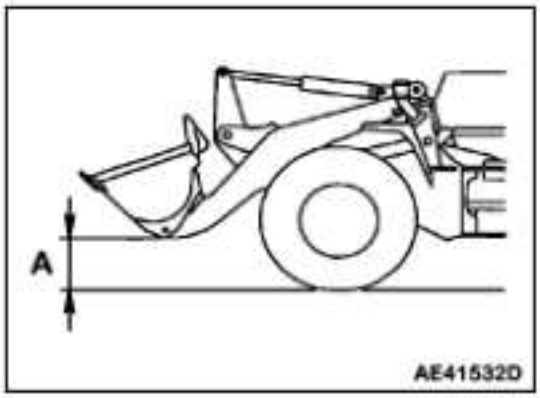
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2. Check that the bucket control lever (2) and lift arm control lever (3) are at the HOLD position, then set the work equipment lock lever (4) to the FREE position (F).



3. Operate lift arm control lever (3) to set the work equipment to travel posture (A).
   (A): ..... 40 – 50 cm (16 – 20 in)



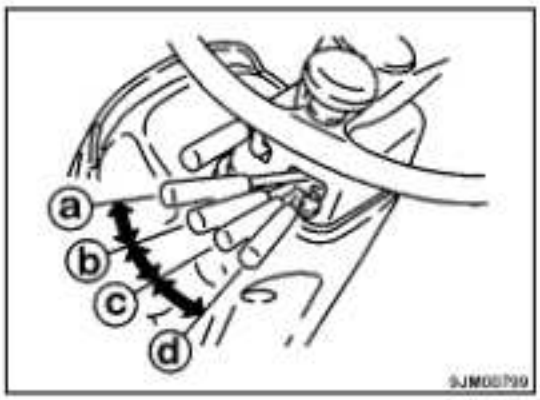
4. Depress right brake pedal (5) and then turn parking brake switch (6) to the OFF position (B) to release the parking brake. Keep right brake pedal (5) depressed.

Remark

If the parking brake is still actuated when parking brake switch (6) is at the OFF position (B), turn the parking brake switch to the ON position (A), and then turn it to the OFF position (B) again.

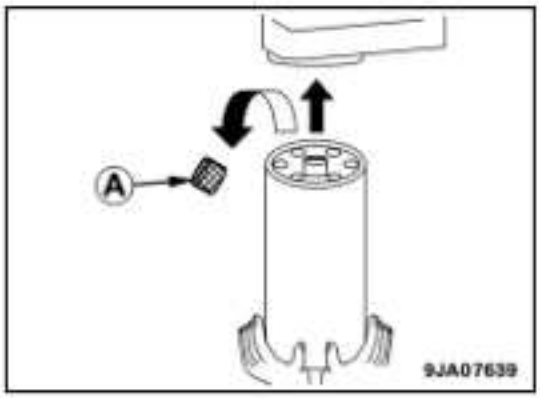


5. Set gearshift lever (7) to the desired position.
   - Position (a): 1st
   - Position (b): 2nd
   - Position (c): 3rd
   - Position (d): 4th



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8. Remove filter cartridge cap (A) and throw it away.



9. Install the filter to the filter holder. Tighten the filter cartridge until the packing surface contacts the seal surface of the filter holder, and then tighten it 3/4 of a turn.

   ★ If the filter cartridge is tightened too much, the packing will be damaged; this will result in leakage of fuel. If the filter cartridge is too loose, fuel will leak from the packing. Always tighten the filter cartridge the correct amount.

   ★ When tightening with a filter wrench, be very careful not to dent or damage the filter.

10. Bleed air from the fuel line. See "Bleeding Air from Fuel Line" on page 3-63.

11. After bleeding the air, start the engine and check that there is no leakage of fuel from the filter seal surface.

    • If there is leakage of fuel, check that the filter cartridge is tightened properly.
    • If the fuel still leaks, repeat Step 4 to remove the filter cartridge, then check the packing surface for damage or embedded dirt.
    • If any problem is found, replace the cartridge with a new part, then repeat Steps 6 - 10 to install and test the new cartridge.

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SPECIFICATIONS

★ Machines fitted with 23.5R25A L3 tires

	Item			Item	WA380-6 Standard Specification Machine (when using POWER mode)
	Machine weight (with bolt-on cutting edge)			kg (lb)	17,500 (38,581)
	Normal load			kg (lb)	5,280 (11,640)
	Bucket capacity	Heaped		m^3(cu. yd)	3.3 (4.3)
	Engine model			–	Komatsu SAA6D107E-1
	Flywheel horse power			kW (HP)/rpm	142 (191)/2,100
A	Overall length			mm (ft in)	8,140 (26 ft 8 in)
B	Overall height			mm (ft in)	3,390 (11 ft 1 in)
C	Maximum dimension when shaking bucket			mm (ft in)	5,600 (18 ft 4 in)
D	Overall width			mm (ft in)	2,780 (9 ft 1 in)
E	Minimum ground clearance			mm (ft in)	455 (1 ft 6 in)
F	Bucket width			mm (ft in)	2,905 (9 ft 6 in)
G	Clearance	Cutting edge [BOC tip]		mm (ft in)	3,035 (9 ft 11 in) [2,950 (9 ft 8 in)]
H	Reach	Cutting edge [BOC tip]		mm (ft in)	1,105 (3 ft 8 in) [1,150 (3 ft 9 in)]
I	Dump angle			degrees	49
	Minimum turning radius	Out of chassis		mm (ft in)	7,190 (23 ft 7 in) [7,220 (23 ft 8 in)]
		Center of outside tire		mm (ft in)	6,320 (20 ft 9 in)
	Permissible towing load			kN (kg)	115 (11,727)
	Travel speed	Forward	1st	km/h (mph)	6.6 (4.1)
			2nd	km/h (mph)	11.5 (7.1)
			3rd	km/h (mph)	20.2 (12.6)
			4th	km/h (mph)	34.0 (21.1)
		Reverse	1st	km/h (mph)	7.1 (4.4)
			2nd	km/h (mph)	12.3 (7.6)
			3rd	km/h (mph)	21.5 (13.4)
			4th	km/h (mph)	35.5 (22.1)

★ BOC = Bolt-On Cutting edge

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