OPERATION & MAINTENANCE MANUAL

KOMATSU®

WA500-1LC

WHEEL LOADER

SERIAL NUMBERS
WA500-1LC A60001 and up

SEP 93

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METHOD OF OPERATION

OPERATION OF CONTROL PANEL

PURPOSE		SWITCH AND LEVER POSITIONS		
		Fan Speed Switch	Temperature Control Lever	Air Intake Selector Lever
Heating	Quick	HI	Full to near right	Left
	Normal	HI - LO	Center to near right	Right
Defrosting		HI	Center to near right - Full right when carrying out quick defrosting or de-misting	Right
Ventilation or Pressur-izing		HI - LO	Full left	Right

AIR VENT SELECTION

PURPOSE	VENT POSITION		
	Face (1)	Foot (2)	Defrost (3)
Heating	Open or closed	Open	Open or closed
Defrosting	Closed	Open or closed	Open
Ventilation	Open	Open	Open

★ The effectiveness of the heating system can be increased by selecting the most suitable vent.

★ Do not turn the fan speed switch on when all the vents are closed.

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EVERY 500 HOURS SERVICE

★ **Maintenance for every 50, 100 and 250 hours should be carried out at the same time.**

TRANSMISSION OIL FILTER

1. Remove drain plugs (1) at the bottom of filter cases (2), and drain the oil. After draining the oil, tighten the plugs.
2. Hold filter cases (2) and loosen center bolts (3), then remove the filter cases.
3. Remove the filter element and clean the inside of the filter case. Assemble a new element, then install the filter case.

★ Use a genuine oil filter element.

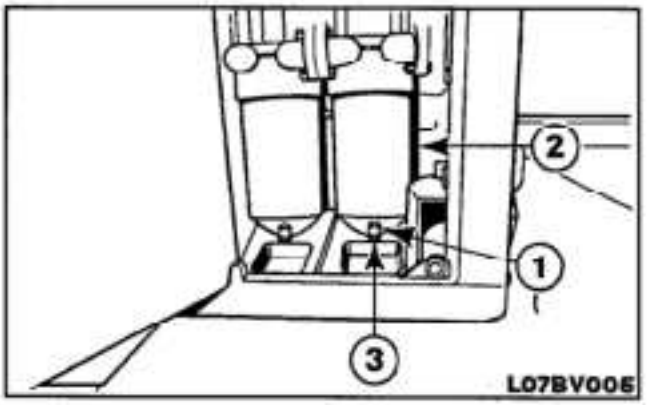
★ Replace the filter gasket and O-rings with new parts. Coat the gasket and O-rings with clean engine oil before installing.

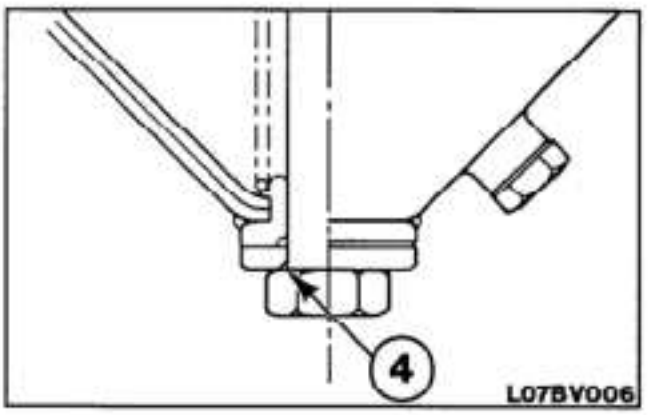
★ Before tightening center bolt (3), install bolt washer (4) so that its chamfered surface faces the hexagonal head of the center bolt.

★ Be careful not to apply excessive torque to center bolts (3).

★ Tightening torque: 18.5 ± 1.5 kgm (134 ± 11 lbf ft / 182 ± 15 N•m)

4. Run the engine for a short time at idle speed and check for oil leaks. Stop the engine. Check that the transmission oil is at the specified level. For details, see "TRANSMISSION OIL LEVEL".

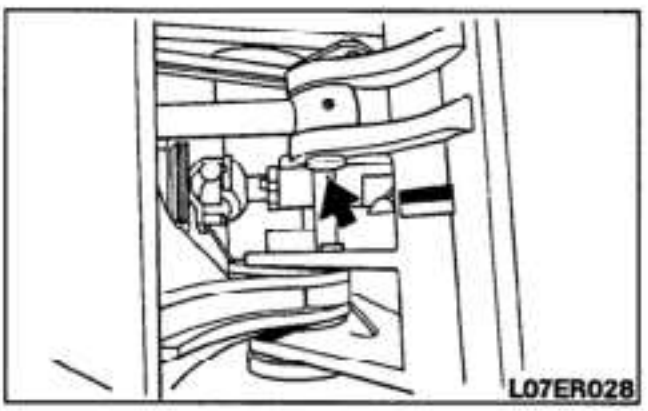




LUBRICATION

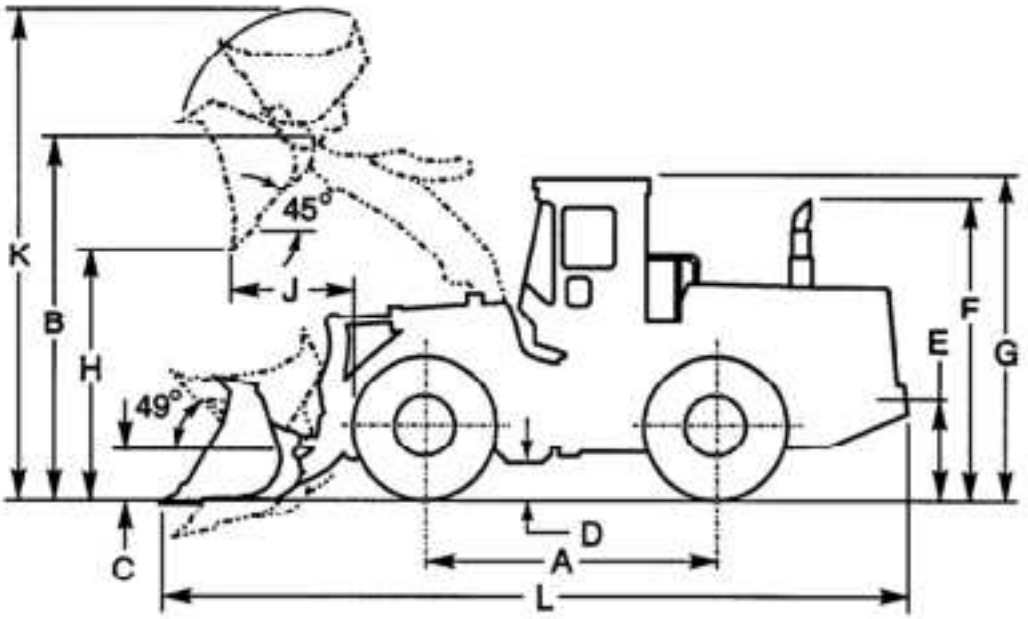
Apply grease to the grease fitting shown by the arrow.

1. Center drive shaft spline (1 point)



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DIMENSIONS



L01AD009

	With General Purpose Bucket 4.3 m^3 (5.6 yd^3)		With Excavating Bucket 4.0 m^3 (5.2 yd^3)		With Spade Nose Rock Bucket 4.0 m^3 (5.2 yd^3)	
	26.5 x 25 Tires	29.5 x 25 Tires	26.5 x 25 Tires	29.5 x 25 Tires	26.5 x 25 Tires	29.5 x 25 Tires
Tread	2.4 m (7 ft 10 in)	2.4 m (7 ft 10 in)	2.4 m (7 ft 10 in)	2.4 m (7 ft 10 in)	2.4 m (7 ft 10 in)	2.4 m (7 ft 10 in)
Width over tires	3.1 m (10 ft 2 in)	3.2 m (10 ft 6 in)	3.1 m (10 ft 2 in)	3.2 m (10 ft 6 in)	3.1 m (10 ft 2 in)	3.2 m (10 ft 6 in)
A Wheelbase	3.5 m (11 ft 8 in)	3.5 m (11 ft 8 in)	3.5 m (11 ft 8 in)	3.5 m (11 ft 8 in)	3.5 m (11 ft 8 in)	3.5 m (11 ft 8 in)
B Hinge pin height - maximum	4.3 m (14 ft 5 in)	4.4 m (14 ft 7 in)	4.3 m (14 ft 5 in)	4.4 m (14 ft 7 in)	4.3 m (14 ft 5 in)	4.4 m (14 ft 7 in)
C Hinge pin height - carry position	0.54 m (1 ft 9 in)	0.59 m (1 ft 11 in)	0.54 m (1 ft 9 in)	0.59 m (1 ft 11 in)	0.54 m (1 ft 9 in)	0.59 m (1 ft 11 in)
D Ground clearance	0.44 m (1 ft 5 in)	0.49 m (1 ft 7 in)	0.44 m (1 ft 5 in)	0.49 m (1 ft 7 in)	0.44 m (1 ft 5 in)	0.49 m (1 ft 7 in)
E Hitch height	1.13 m (3 ft 9 in)	1.18 m (3 ft 11 in)	1.13 m (3 ft 9 in)	1.18 m (3 ft 11 in)	1.13 m (3 ft 9 in)	1.18 m (3 ft 11 in)

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