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OPERATION & MAINTENANCE MANUAL

KOMATSU®

WA320-1LC

WHEEL LOADER

SERIAL NUMBERS
WA320-1LC A25001 and up

APR 94

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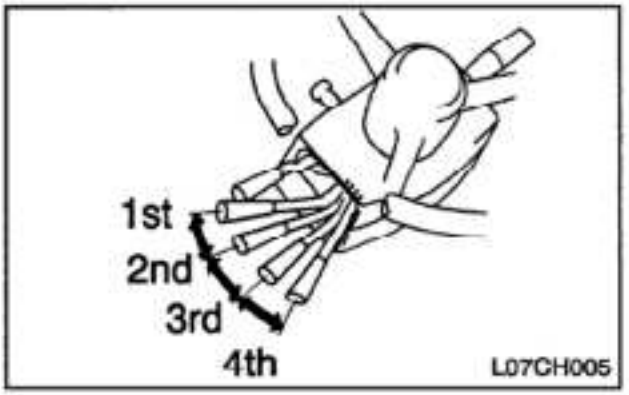
2. SPEED CONTROL LEVER

This lever controls the travel speed of the machine.

This machine has a 4-FORWARD, 4-REVERSE speed transmission. Place the speed control lever in a suitable position to obtain the desired speed range.

★ 1st and 2nd speeds are used for working. 3rd and 4th speeds are used for traveling.

★ It is possible to change the length of the lever. For details of changing the length, see "TRANSMISSION CONTROL LEVERS" in Section 3.

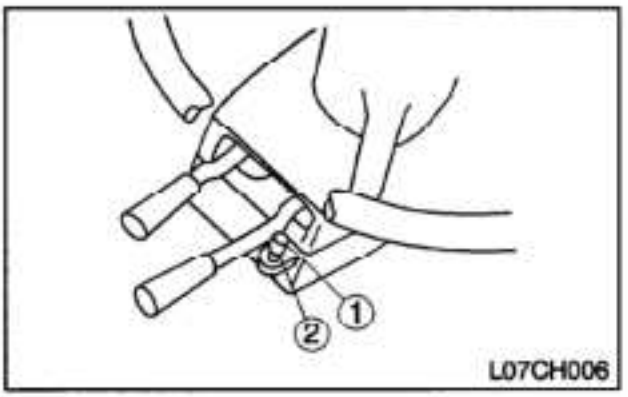


3. SPEED CONTROL LEVER STOPPER

This stopper prevents the speed control lever from entering the 3rd and 4th positions, when working.

Position 1
Stopper actuated.

Position 2
Stopper released.



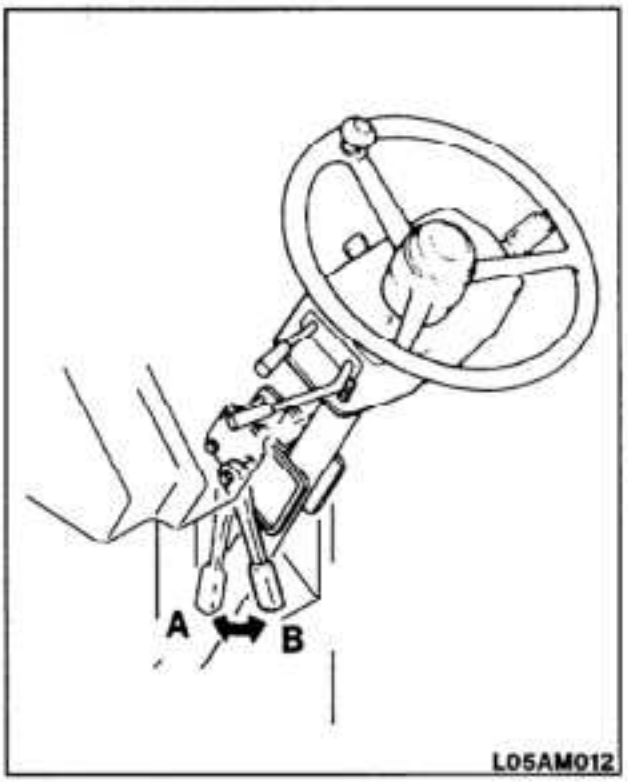
4. STEERING COLUMN TILT LEVER

This lever allows the steering column to be tilted forward or backward.

Pull the lever up (B) and move the steering wheel to the desired position. Then push the lever down to lock (A) the steering wheel in position.

★ Range of adjustment (stepless): 100 mm (3.9 in)

WARNING! Stop the machine before adjusting the angle of the steering wheel.



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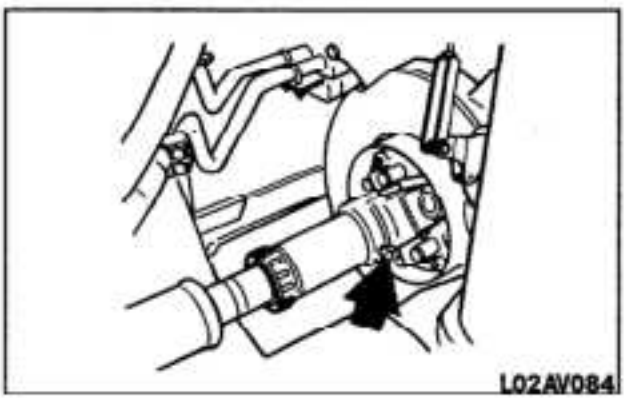
EVERY 500 HOURS SERVICE

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

LUBRICATING

Apply grease to the grease fitting shown by an arrow.

1. Center drive shaft spline (1 point)



FUEL FILTERS

GENERAL

The fuel filters are spin-on type filters. These filters cannot be cleaned and should not be disturbed except when it becomes necessary to replace them.

Change the fuel filters as listed on the SCHEDULED MAINTENANCE GUIDE or sooner if a power loss is evident. If a power loss persists, consult your distributor.

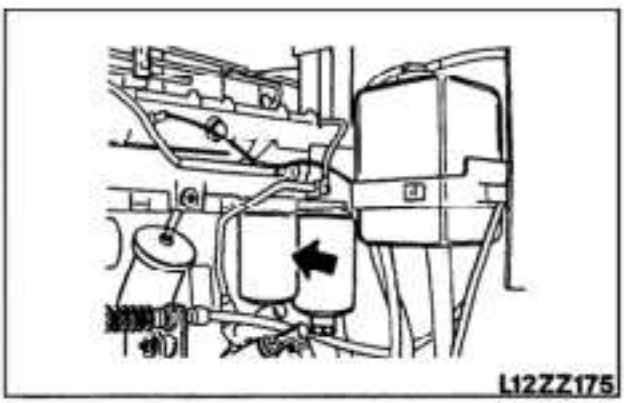
NOTE: Fuel with more than the average impurities may require changing filters at shorter intervals.

The fuel filters are located on the right side of the engine.

Be careful not to allow dirt, water or other foreign material to get in the new filter. Keep new filters in the original package until ready for installation.

REPLACEMENT

1. Open the engine hood and lock into position.
2. Clean the area around the fuel filters (1).



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Add the following weight changes to operating weight and static tipping loads.

WEIGHT CHANGES

	Change in Operating Weight		Change in tipping load			
			Straight		Full Turn	
Additional Counterweight (removed)	-673 lbs	-305 kg	-1643 lbs	-745 kg	-1312 lbs	-595 kg
ROPS Cab (removed)	-1103 lbs	-500 kg	-1081 lbs	-490 kg	-860 lbs	-390 kg
ROPS Canopy (instead of ROPS Cab)	-551 lbs	-250 kg	-507 lbs	-230 kg	-397 lbs	-180 kg
17.5-25-12PR(L2) tubeless tires	-386 lbs	-175 kg	-298 lbs	-135 kg	-265 lbs	-120 kg
w/ballast*	+88 lbs	+40 kg	-154 lbs	-70 kg	0	
17.5-25-12PR(L3) tubeless tires	-143 lbs	-65 kg	-121 lbs	-55 kg	-99 lbs	-45 kg
w/ballast*	+331 lbs	+150 kg	+22 lbs	+10 kg	+154 lbs	+154 kg
20.5-25-12PR(L2) tubeless tires	0		0		0	
w/ballast**	+816 lbs	+370 kg	+684 lbs	+310 kg	+783 lbs	+355 kg
20.5-25-12PR(L3) tubeless tires	+408 lbs	+185 kg	+320 lbs	+145 kg	+287 lbs	+130 kg
w/ballast**	+1224 lbs	+555 kg	+1003 lbs	+455 kg	+1026 lbs	+465 kg

* 1147 lb 520 kg ballast used instead of additional counterweight.
** 1488 lb 675 kg ballast used instead of additional counterweight.

NOTE: All specifications are subject to change without notice.

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