CEAM002201

Operation & Maintenance Manual

KOMATSU®

WA800-2

WHEEL LOADER

SERIAL NUMBERS **WA800-2LC - A20020** and up

April 1998

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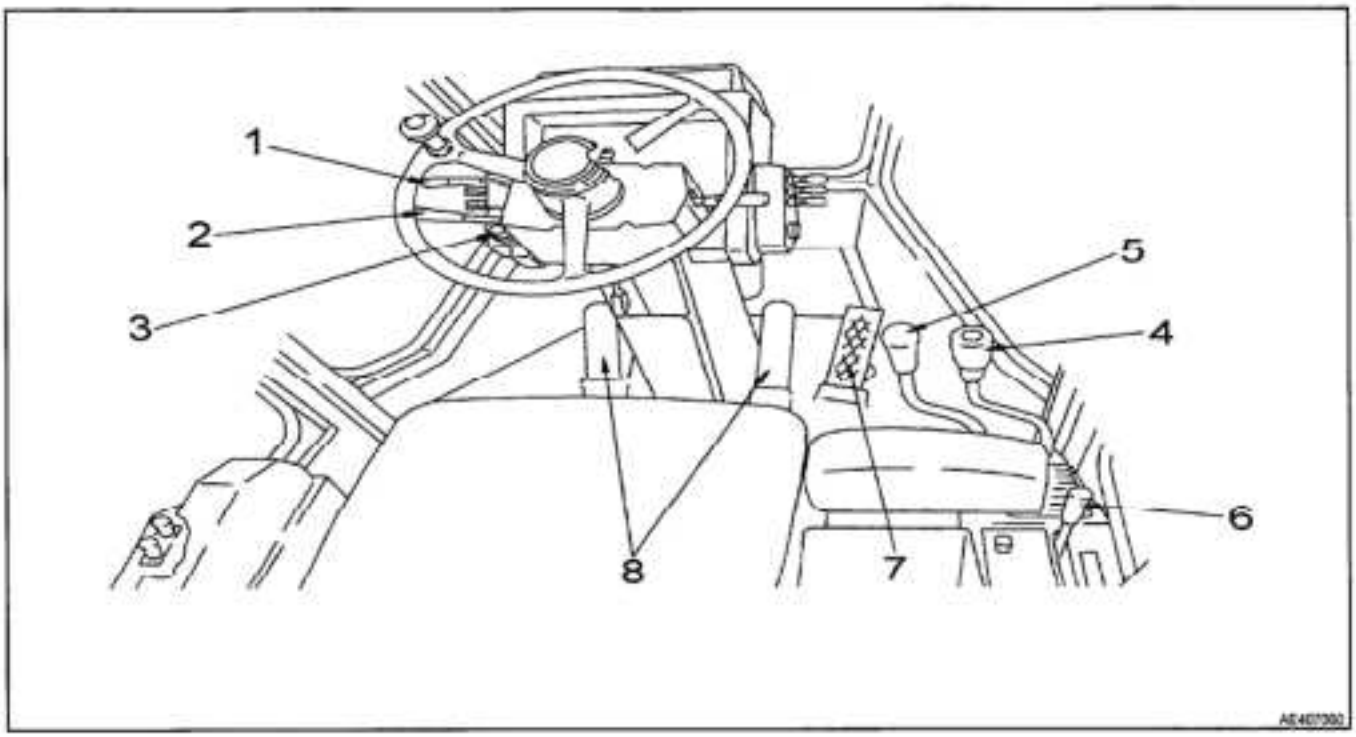
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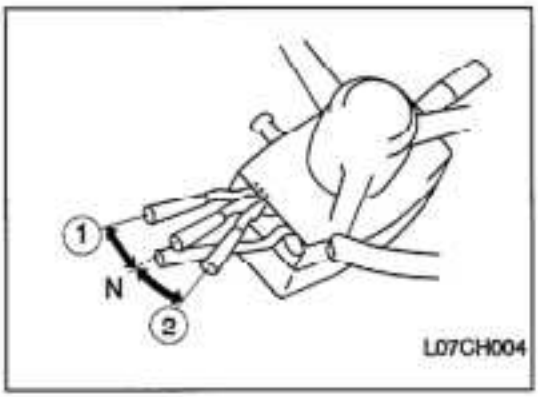
11.4 CONTROL LEVERS, PEDALS



1. DIRECTIONAL LEVER

This lever is used to change the direction of travel of the machine.

1 Forward
2 Reverse
N Neutral



★ The engine cannot be started if the directional lever is not at N (neutral).

★ When operating the directional lever, place your hand on a steering wheel and operate it by your fingers.

★ The length of the lever can be adjusted freely within a range of 43 mm (1.69 in) for dimension ℓ. To adjust, pull out knob (1), loosen locknut (2), then turn bolt (3) to adjust. After adjusting, tighten locknut (2) then push knob (1) in fully. Set dimension ℓ to within 43 mm (1.69 in). If it is longer than this, the remaining thread is too short, and there is danger that it may come out.

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20.3 TRANSMISSION, SERVICE BRAKE SYSTEM AND HYDRAULIC SYSTEM OIL SPECIFICATIONS

Use API performance classification CE engine oil.

20.4 AXLE OIL SPECIFICATIONS

For axle oil, use only the recommended oil as follows:

SHELL:	DONAX TT or TD
CALTEX:	RPM TRACTOR HYDRAULIC FLUID
CHEVRON:	TRACTOR HYDRAULIC FLUID
TEXACO:	TDH OIL
MOBIL:	MOBIL 424

★ It is possible to substitute engine oil SAE 30W API classification CD or CE for axle oil. Although increased brake noise may result, durability should not be affected.

20.5 DIESEL FUEL SPECIFICATIONS

⚠ WARNING

Do not mix gasoline or alcohol with diesel fuel. This mixture can cause an explosion.

NOTICE:

Due to the precise tolerances of diesel injection systems, it is extremely important that the fuel be kept clean and free of dirt or water. Dirt or water in the system can cause severe damage to both the injection pump and nozzles.

For normal service above -10°C (+14°F), the use of ASTM Grade No. 2-D diesel fuel with a minimum Cetane number of 40 is recommended. The use of No. 2-D diesel fuel will result in optimum engine performance under most operating conditions. Fuels with Cetane numbers higher than 40 may be needed in high altitudes or extremely low ambient temperatures to prevent misfires and excessive smoke.

At operating temperatures below -10°C (+14°F), use ASTM Grade No. 1-D diesel fuel. The use of lighter fuels can reduce fuel economy.

Where a winterized blend of Grade No. 2-D and No. 1-D fuels is available, it may be substituted for Grade No. 1-D fuel. However, it is the supplier's responsibility to provide the fuel for the anticipated ambient temperature.

Use a low sulfur content fuel having a cloud point that is at least 10 degrees below the lowest expected fuel temperature. Cloud point is the temperature at which crystals begin to form in the fuel.

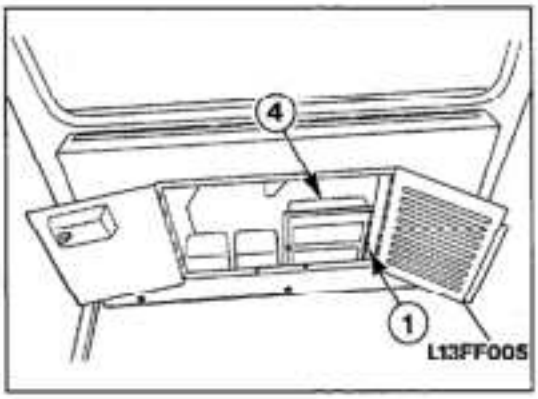
The viscosity of the fuel **must** be kept above 1.3 cSt to provide adequate fuel system lubrication.

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24.6.3 CLEAN CAB AIR FILTER ELEMENT

Clean the cab air filters as follows:

★ Be sure the cab blower fan is stopped before cleaning the filters.



1. Open the access doors located at the rear of the cab to gain access to the fresh air filter.
2. Remove holder mounting knobs (1), holder (2) and spacers (3) holding filter (4). Pull out the filter element and clean it.
   ★ Direct dry compressed air (less than 7 kg/cm^2 [100 psi / 689 kPa]) to the element from the inside along its folds, then direct it from the outside along its folds and again from the inside. Check the element for damage and/or deterioration.

⚠ WARNING

When using compressed air, wear safety glasses and other things required to maintain safety.

3. After cleaning the filter element, reinstall it with the arrow pointing inward.
4. Install filter holder (2), spacers (3) and mounting knobs (1).
5. Close the access doors located at the rear of the cab.
6. Move the operator's seat forward, then tilt the seat backrest forward and down.
7. Loosen the two access panel thumb screws (5) and retainers (6) and remove access panel (7) to gain access to recirculating air filter (8). Remove air filter and clean it.
8. After cleaning the recirculating air filter, reinstall air filter (8).
9. Install access panel (7), retainers (6) and thumb screws (5). Tighten the access panel thumb screws.
10. Return the operator's seat back to its original position.

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