CEAM000800

Operation & Maintenance Manual

KOMATSU®

WA600-1

WHEEL LOADER

SERIAL NUMBERS **WA600-1LE - A51001** and up

July 1996

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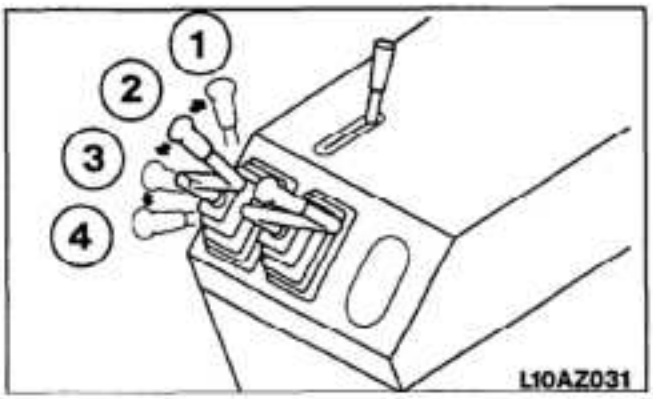
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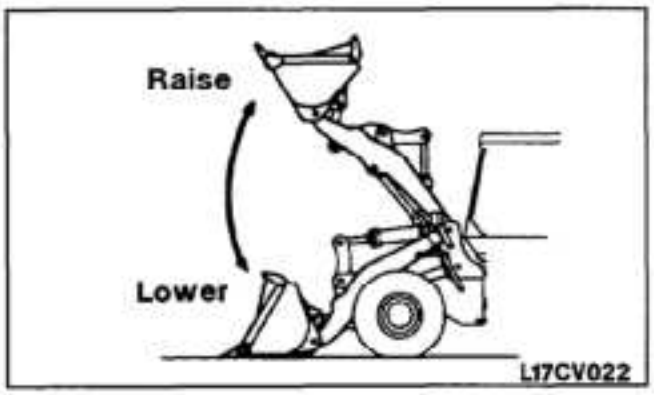
7. LIFT ARM CONTROL LEVER

This lever is used to operate the lift arm.

1 Raise
2 Hold: The lift arm is kept in the same position.
3 Lower
4 Float: The lift arm moves freely under external force.



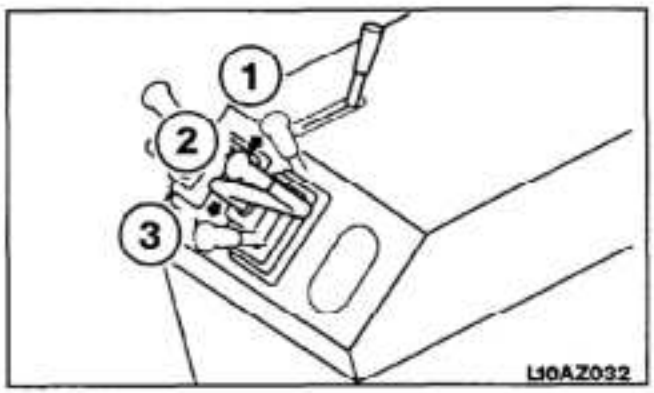
When the lift arm control lever is pulled further from 1 position, the lever is stopped in this position until lift arm reaches the preset position of kick-out, and the lever is returned to the hold position.



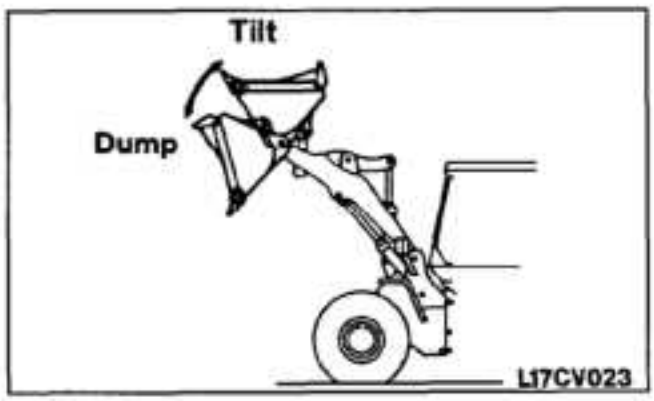
8. BUCKET CONTROL LEVER

This lever operates the bucket.

1 Tilt
2 Hold: The bucket is kept in the same position.
3 Dump



When the bucket control lever is pulled further from 1 position, the lever is stopped in this position until bucket reaches the preset position of positioner, and the lever is returned to the hold position.



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COLD WEATHER STARTING

When starting the engine in low temperatures, do as follows.

1. Turn the key of starting switch (1) to the START position.
2. Move ether start switch (2) to the ON position, then release it immediately. Do **NOT** hold it at the ON position for more than 5 seconds. This will cause failure of the ether start valve solenoid.

★ If the engine does not start, repeat this 2-3 times.

3. When the engine starts, release the key of starting switch (1) and the key will automatically return to the ON position.

WARNING! Never operate ether start switch (2) except when starting the engine.

★ The ether cylinder can be used for about 230 times. (Amount of ether injected: 3 cc, total capacity for one cylinder: 710 cc)

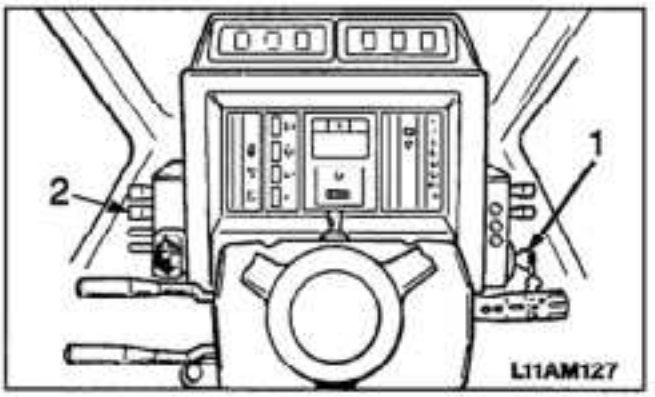
★ Do not leave the key in START for more than 20 seconds.

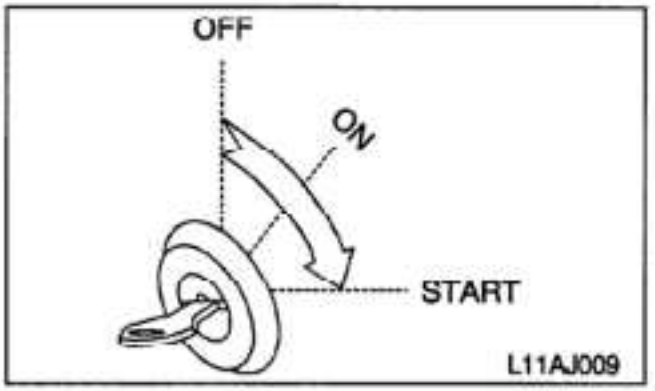
★ If engine does not start, repeat the starting procedure after about 2 minutes.

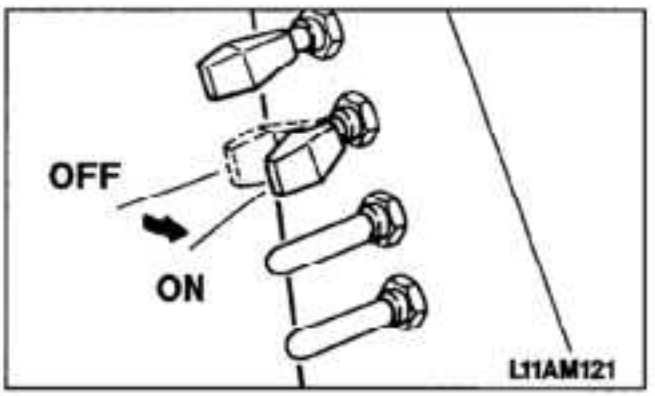
★ The standard specification machine is designed to work in an ambient temperature down to -20°C (-4°F).

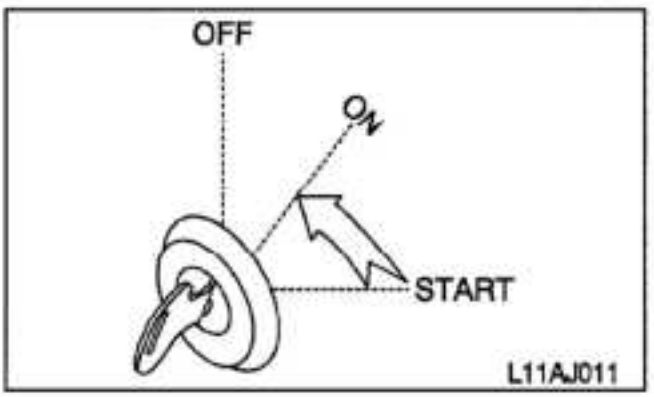
★ When operating the machine at temperatures below -20°C (-4°F), special equipment is needed. Contact your distributor for details.

★ For machines with an air dryer installed as an option, when in cold temperatures below -10°C (+14°F) and when operating the machine after it has been stopped for several hours, run the engine for at least 10 minutes after starting before moving the machine.









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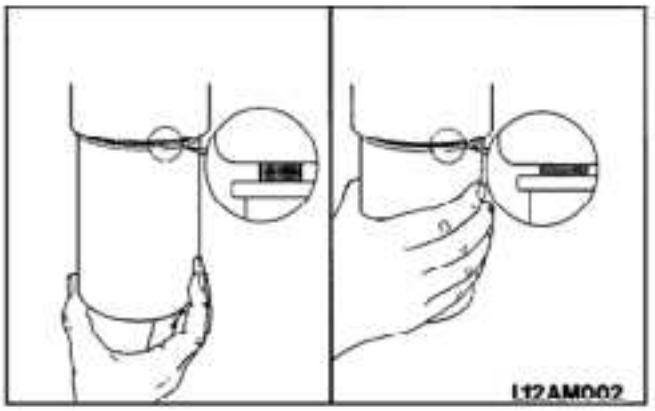
8. Install the filter on the filter header until the filter seal contacts the seal surface of the filter header and then, turn the filter an additional 1/2 to 3/4 turn by hand.

★ Do not over tighten the filter or damage may result to the filter seal or threads.

★ Use a genuine filter.

9. Install the remaining two oil filters by repeating Steps 7 and 8.

10. Clean and check the oil drain plug threads and the seal surface. Reinstall and tighten the oil drain plug.



11. Remove oil filler cap (F). Fill the engine with the specified type and quantity of engine oil at the oil filler.

★ The type of lubricant used depends on the ambient temperature. Select according to the table entitled "LUBRICANTS, FUEL AND COOLANT".

12. After refilling the engine with oil and before starting the engine, perform the procedure outlined under " SPECIAL STARTING" in Section 2. This procedure insures that the engine receives proper lubricating oil flow. Lack of lubrication will damage the engine.

13. Start the engine and idle it for a few minutes. Inspect for oil leaks at the filters and drain plug. Then, stop the engine, wait for 5 minutes to allow the oil to drain and check the oil level. As necessary, add oil to bring the oil level up to the specified mark on the oil level gauge.

14. Close the engine side access door.

★ Diluted oil can cause severe damage to the engine. Check the condition of the used oil.

- Thin black oil indicates fuel dilution.
- Milky discoloration indicates coolant dilution.

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.

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