CEAM018502

Operation & Maintenance Manual

WB142-5

BACKHOE LOADER

SERIAL NUMBERS WA142-5 A13001 and up

ENGINE 4D102LE-2

April 2016

KOMATSU®

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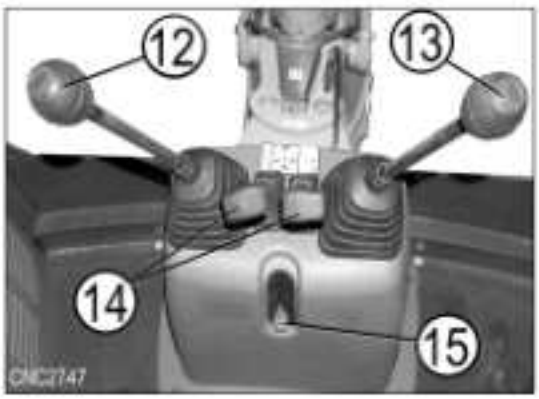
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BACKHOE CONTROLS



The backhoe console consists of four control levers and one lock.

Lever (12) controls:

- Arm out
- Arm in
- Swing left
- Swing right

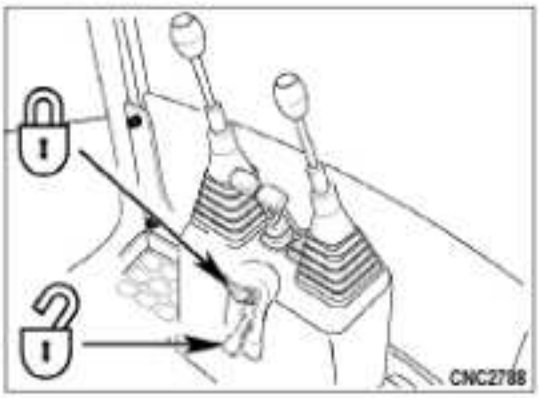
Lever (13) controls:

- Boom up
- Boom down
- Bucket dump
- Bucket curl

Levers (14) are used to raise or lower the right and left rear outriggers when using the backhoe.

⚠ WARNING

Never operate the backhoe with the outriggers in the upright position. Before operating the backhoe be sure the outriggers are in the full down position and the machine is stable.



Lever (15) is used to lock the backhoe controls. When the lever is in the UP position both backhoe controls are locked. When the lever is in the DOWN position both levers are operable.

⚠ WARNING

After setting the backhoe work equipment in the proper travel position, always lock the backhoe controls before traveling with the machine.

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MAINTENANCE AFTER THE FIRST 250 HOURS OF OPERATION

Perform the following maintenance after the first 250 hours, together with those to be initiated "EVERY 250 HOURS."

- FRONT AXLE OIL CHANGE
- REAR AXLE OIL CHANGE
- HYDRAULIC TRANSMISSION OIL CHANGE
- HYDRAULIC TRANSMISSION OIL FILTER CHANGE
- ENGINE VALVE CLEARANCE CHECK AND ADJUSTMENT
- HYDRAULIC OIL DRAIN FILTER CHANGE

For details on the various maintenance operations:

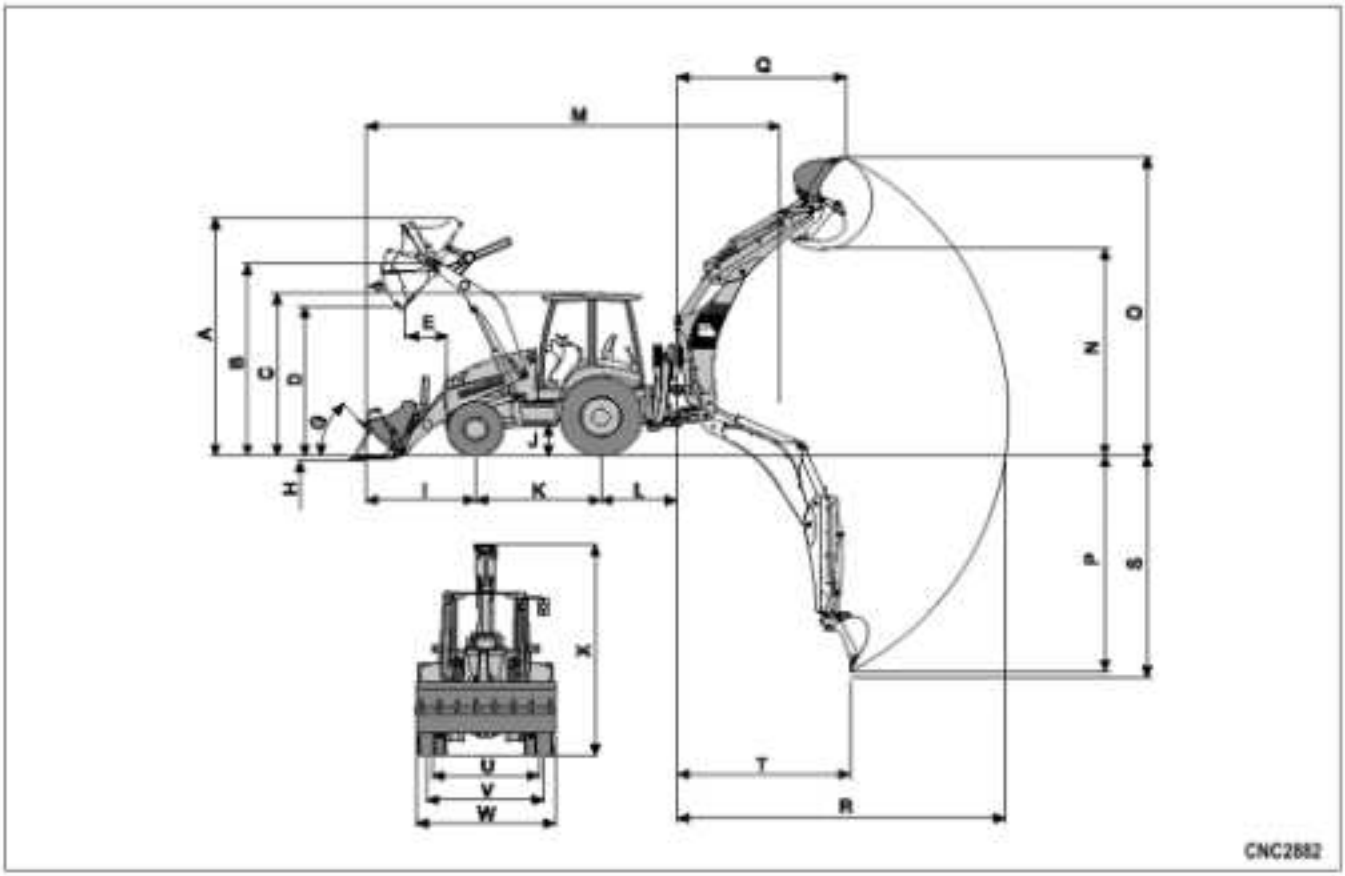
- See "MAINTENANCE EVERY 500 HOURS OF OPERATION" on page 3-36.
- See "MAINTENANCE EVERY 1000 HOURS" on page 3-44.

For checks and adjustments, contact your Komatsu Dealer.

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SPECIFICATIONS

MACHINE DIMENSIONS AND WEIGHTS



A	Maximum height	4080mm (**13'5"**)	**M**	Transport length	7060mm (**23'2"**)
B	Hinge pin height	3255mm (**10'8"**)	**N**	Dumping height (SAE)	3600mm (**11'10"**)
C	Overall height, ROPS Canopy	2820mm (**9'4"**)	**O**	Maximum digging height	5210mm (**17'1"**)
D	Maximum dumping height	2615mm (**8'7"**)	**P**	Digging depth (2° level bottom)	4276mm (**14'0"**)
E	Reach at maximum height and 45° dump angle	910mm (**3'0"**)	**Q**	Reach at maximum height	2640mm (**8'8"**)
F	Dumping angle	45°	**R**	Maximum reach	5580mm (**18'4"**)
G	Rollback angle	45°	**S**	Maximum digging depth	4318mm (**14'2"**)
H	Digging depth	100mm (**4'0"**)	**T**	Digging reach	2380mm (**7'10"**)
I	Bucket reach (transport)	1900mm (**6'3"**)	**U**	Rear tread	1680mm (**5'6"**)
J	Ground clearance	380mm (**1'3"**)	**V**	Front tread	1780mm (**5'10"**)
K	Wheel base	2175mm (**7'2"**)	**W**	Overall width (with bucket)	2180mm (**7'2"**)
L	Backhoe swing center distance	1175mm (**3'10"**)	**X**	Backhoe transport height	3660mm (**12'0"**)

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