NEW HOLLAND CONSTRUCTION

LS160
LS170

OPERATOR'S MANUAL



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NEW HOLLAND

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HAND CONTROL - BOOM AND BUCKET (Optional)

1 BOOM RAISE AND LOWER CONTROL

The boom is controlled by the left hand control lever at 1, located on the top of the left hydrostatic directional control lever.

The boom will raise by pivoting the handle "UP" to the outside of the cab. Pivoting the handle "DOWN" to the inside of the cab will lower the boom.

The boom spool is equipped with a detented "FLOAT" circuit if the operator wants the boom to float over changing ground contour. To put the valve in "FLOAT" position, pivot the handle "DOWN" until a slight "jump" is felt. In this position, the handle is locked in float and does not return to the neutral position unassisted, but will do so when light pressure is applied to the handle to pivot it "UP."

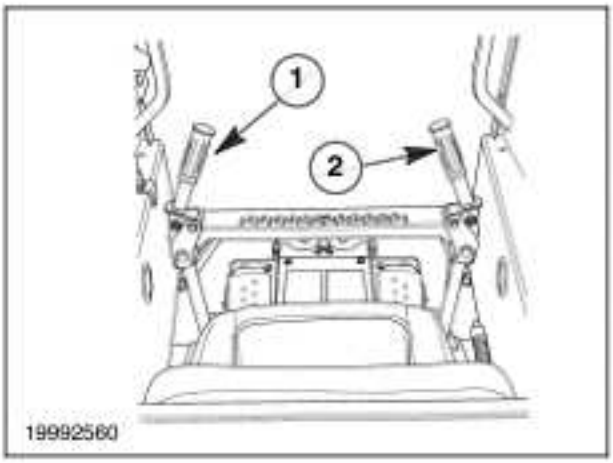


Figure 2-18

2 BUCKET DUMP AND CURL CONTROL

The bucket is controlled by the right hand control lever at 2, located on the top of the right hydrostatic directional control lever. The bucket will dump by pivoting the handle "DOWN" to the inside of the cab. Pivoting the handle "UP" to the outside of the cab will cause the bucket to rollback (curl).

CAUTION: TO AVOID POTENTIAL SERIOUS INJURY BY CONTACT WITH THE MOVING BOOM OR BUCKET, DO NOT REWIRE TO BYPASS THE SEAT SWITCH OR SEAT BELT SWITCH.

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FUEL FILTER SYSTEM

The unit is equipped with a fuel filter water trap, 1. The water trap filter should be drained every 100 hours of operation, or sooner if water is found in the fuel supply. To drain the water trap, turn the drain cock, 2, on the bottom of the cartridge and allow the water to drain. Replace filter every 500 hours.

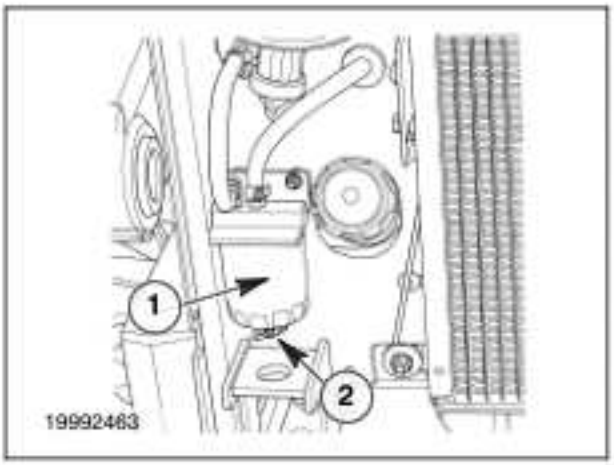


Figure 4-22

Replace the in-line filter, 1, every 250 hours of operation. To remove the filter, remove the two hose clamps and remove the hoses from the filter. Install a new filter, hoses, clamps and tighten.

WARNING: ALL SERVICE SHOULD BE PERFORMED WITH THE ENGINE SHUT DOWN. IF SERVICING THE SKID STEER WITH THE BOOM IN THE RAISED POSITION, BE SURE THE BOOM ARMS ARE SUPPORTED BY THE BOOM LOCK PINS.

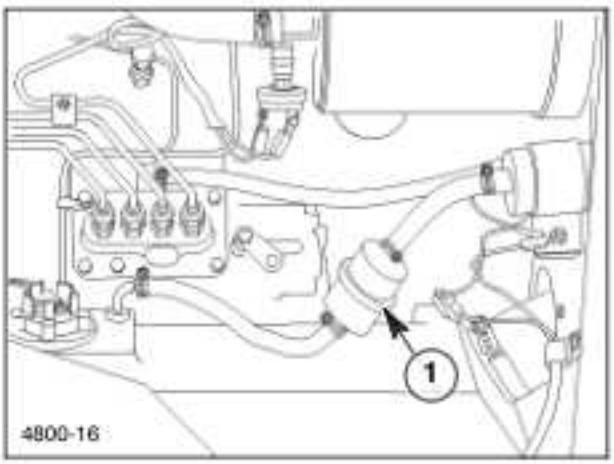


Figure 4-23

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SECTION 6

OPTIONAL EQUIPMENT

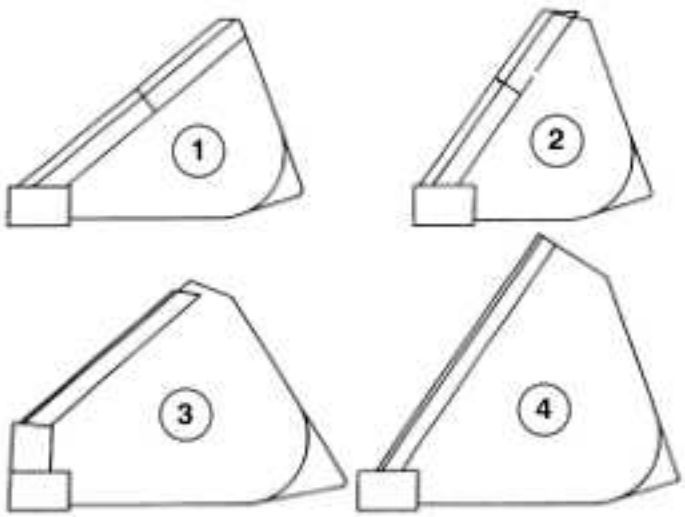


Figure 6-1

BUCKET TYPES

1 - LP - Low profile

The low profile bucket has a shorter back and is longer from bucket heel to cutting edge for optimum cutting edge visibility. This is important for finish grading and accurate cut and fill jobs.

2 - D & F - Dirt and foundry

The dirt and foundry bucket is shorter from bucket heel to cutting edge to provide maximum breakout force for tough digging conditions.

3 - M & F - Manure and fertilizer (slurry)

The manure and slurry bucket is for handling loose or fluid materials with more rollback to minimize spillage.

4 - LM - Light material

The light material bucket is for light, high volume materials for more productivity handling light materials.

Bucket styles and sizes should be selected to provide both adequate breakout force and reasonable carrying capacity. Dense materials should be handled with a relatively small bucket. Lighter materials should be handled with higher capacity buckets. Refer to the bucket capacity chart and material weight chart when choosing the bucket for the job.

UTILITY FORK

The utility fork is for handling matted, stringy material which is difficult to load into a standard bucket. The standard tine spacing, center to center, is 8-1/2" (21.8 cm). The fork frame is equipped with additional holes for additional tines reducing the tine spacing to 4-1/4" (10.9 cm).

BUCKET CAPACITY CUBIC FEET

BUCKET WIDTH	BUCKET	CAPACITY HEAPED (CU FT)	CAPACITY STRUCK (CU FT)
66"	Utility fork	N/A	N/A
60"	Low profile	11.5	8.9
60"	Dirt and foundry	11.5	8.7
66"	Low profile	13.2	9.7
66"	Dirt and foundry	15.2	11.6
72"	Low profile	14.5	10.6
72"	Dirt and foundry	16.7	12.7
72"	Manure and fertilizer	19.1	15.5
72"	Light material	23.7	19.0
84"	Light material	27.9	22.3

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