OPERATOR'S MANUAL

LW170.B
WHEEL LOADERS

Revision Date: 09/2004

NEW HOLLAND
CONSTRUCTION

87305974NA

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Chapter 2

SAFETY, DECALS, AND HAND SIGNALS

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EQUIPMENT CONTROLS

Three Lever - Three Spool Controls

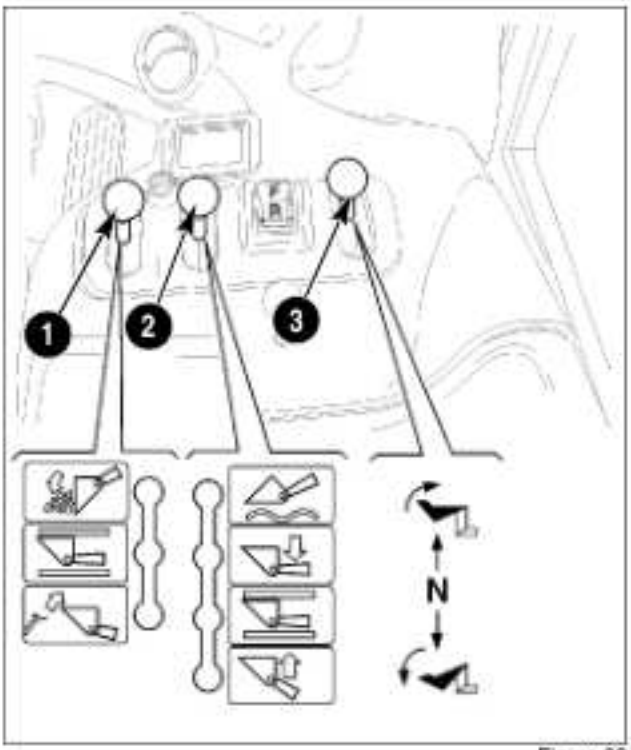


Figure 89

1. PUSH THE LEVER FORWARD TO DUMP THE BUCKET. PULL THE LEVER BACK TO ROLL THE BUCKET BACK.
2. PUSH THE LEVER FORWARD TO LOWER THE BOOM. PULL THE LEVER BACKWARD TO RAISE THE BOOM.
3. AUXILIARY HYDRAULIC LEVER

Two Lever Controls

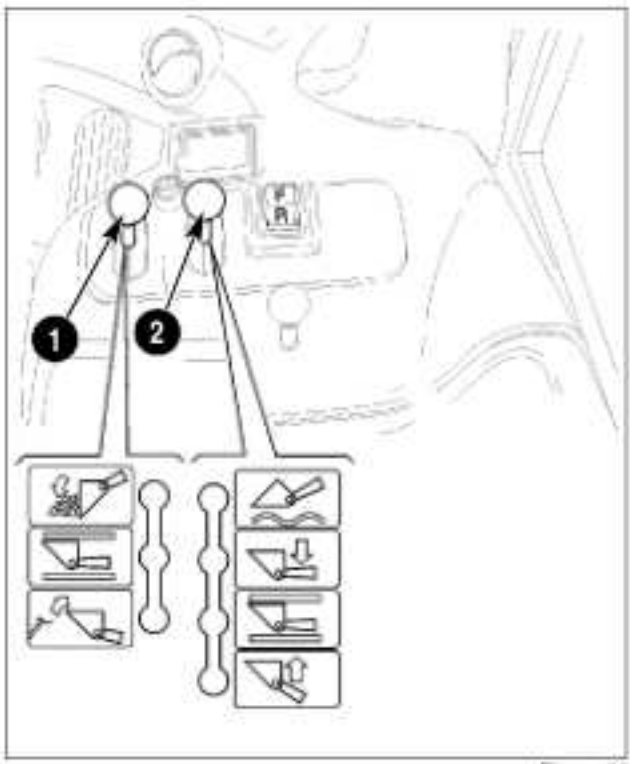


Figure 90

1. PUSH THE LEVER FORWARD TO DUMP THE BUCKET. PULL THE LEVER BACK TO ROLL THE BUCKET BACK.
2. PUSH THE LEVER FORWARD TO LOWER THE BOOM. PULL THE LEVER BACKWARD TO RAISE THE BOOM.

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1000 HOUR MAINTENANCE

Replace Hydraulic Oil Filters

Replace the hydraulic oil filter every 1000 hours or if the Hydraulic filter Warning Lamp Illuminates.

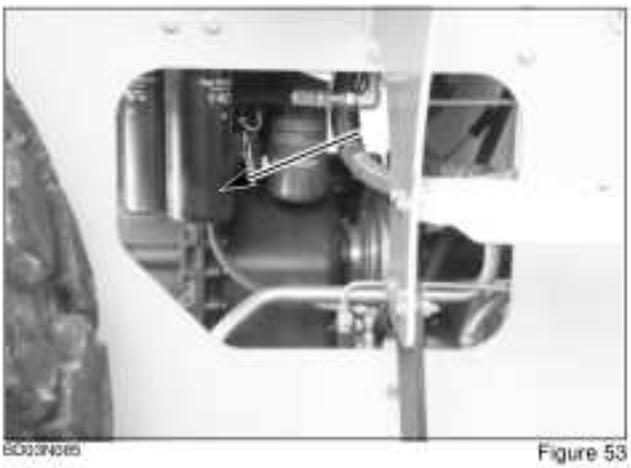
WARNING: *Fluid under pressure. Always rest the hydraulic equipment on the ground. Shut the engine off and move the hydraulic control levers through all movements several times to relieve residual pressure in the system.*

Figure 52

1. Park the machine on a level surface. Lower the loader bucket to the ground and stop the engine. Apply the parking brake.

WARNING: *Never drain oil or remove the oil filter while the engine is running.*

2. Slowly loosen the filler cap on the hydraulic reservoir to release pressure in the reservoir. Leave it loose during the procedure.
3. Remove the access cover, if equipped.



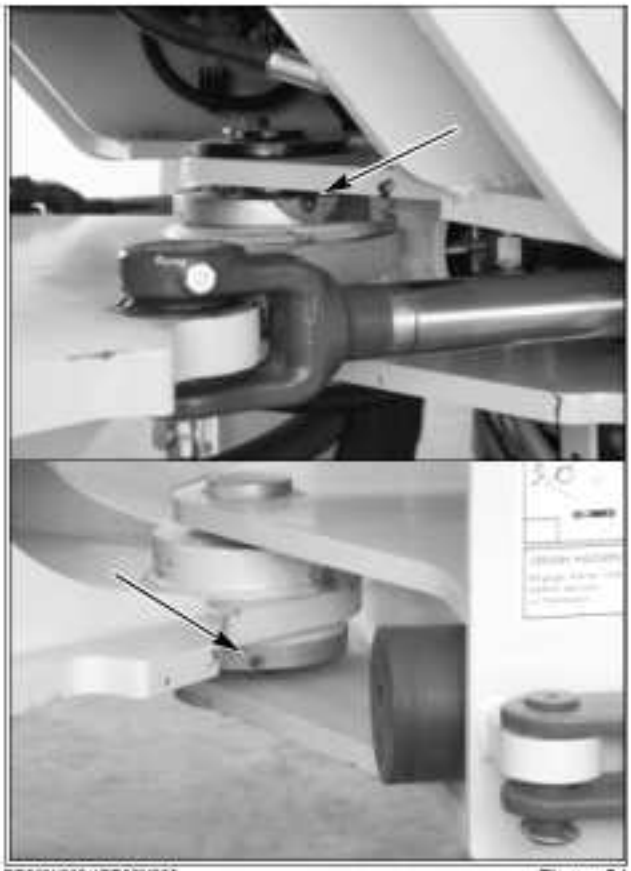
BD03N085 Figure 53

4. Turn the filters counterclockwise to remove.
5. Lubricate the gasket of the new filter (s) with clean oil and install. After the filter makes contact with the filter head tighten 1/2 to 3/4 turns.

IMPORTANT: *Never use a filter wrench to tighten a new filter on install.*

6. Tighten the cap on the hydraulic reservoir.
7. Start the engine and run at 1000 rpm. Have an assistant check for leaks around the filter area.
8. Stop the engine and check the hydraulic oil level. Top off if necessary.

Grease Articulation Fittings



BD03N092 / BD03N093 Figure 54

1. Park the machine on a level surface. Lower the loader bucket to the ground and stop the engine. Apply the parking brake.
2. Place the transport/service link into the lock position to stop accidental articulation of the machine.
3. Clean the area around each fitting and grease.

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LW170.B TC

Performance Data	Coupler and Utility Forks
Tine Length	48.0 in (1 219 mm)
Tine Width x Height	6 in x 2.5 in (152 mm x 64 mm)
Max. width across tines (outside to outside	60.0 in (1 524 mm)
Fork load center-vertical (front surface of tine to load CG)	24.0 in (610 mm)
Fork clearance @ full height (ground to top of tine)	153.6 in (3 901 mm)
Fork clearance @ max reach (ground to top of tine)	74.1 in (1 881 mm)
Fork reach @ full height-vertical (front surface of tine to front of tire)	35.8 in (909 mm)
Fork Max. reach-vertical (front surface of tine to front of tire)	68.5 in (1 741 mm)
Fork reach @ ground-vertical (front surface of tine to front of tire)	40.8 in (1 037 mm)
Overall height-operating top of attachment, forks level	175.1 in (4 447 mm)
Clearance circle, w/forks @ carry and 15 degree rollback	479.0 in (12 167 mm)
Weight with coupler	1 839 lb (834 kg)
Tipping load, straight	17 512 lb (7 943 kg)
Tipping load @ 40 degree full turn	14 958 lb (6 785 kg)
Operating weight	30 652 lb (13 904 kg)

NOTE: *Data based on loader equipped with 20.5R25 XHA Michelin radial tires, ROPS cab with heater and A/C, front and rear fenders, full fuel, 175 lb operator and standard TC counterweight 2 983 lbs (1 354 kg).*

Adjustments to Operating Weights and Tipping Loads with Coupler and 48" Utility Forks			
Add (+) or deduct (-) lbs - (kg) as indicated			
Loader with:	Operating Weight	Tipping Load, Straight	Tipping Load, 40° Full Turn
20.5x25 12 ply L2	- 480 lb (-218 kg)	- 274 lb (-124 kg)	- 201 lb (-91 kg)
20.5x25 12 ply L3	- 152 lb (-69 kg)	+12 lb (+ 6 kg)	+ 75 lb (+ 34 kg)
20.5R25 XTLA TL	- 380 lb (-172 kg)	- 276 lb (-125 kg)	- 277 lb (-126 kg)
20R25 GP-2B TL	- 204 lb (-92 kg)	- 90 lb (-41 kg)	- 38 lb (-17 kg)
20.5R25 RT-3B TL	+ 140 lb (+64 kg)	+ 181 lb (+82 kg)	+ 288 lb (+131 kg)

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