OPERATOR'S MANUAL

LW110.B
LW130.B
WHEEL LOADERS

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NEW HOLLAND
CONSTRUCTION

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TABLE OF CONTENTS

CHAPTER 1
GENERAL INFORMATION
To the Owner 1-1
Machine Components 1-4

CHAPTER 2
SAFETY, DECALS, AND HAND SIGNALS
Table of Contents 2-1
Safety Rules 2-3
Personal Safety 2-3
Utility Safety 2-4
Decals 2-10

CHAPTER 3
INSTRUMENTS AND CONTROLS
Table of Contents 3-1
Cab 3-3
Right side console 3-13
Dashboard Gauges And Indicators 3-15
Access doors and Covers 3-29
Operator's Seat Adjustment 3-30
Seat Belt 3-31

CHAPTER 4
OPERATING INSTRUCTIONS
Table of Contents 4-1

CHAPTER 5
LUBRICATION, FILTERS, AND FLUIDS
Table of Contents 5-1
Servicing Instructions 5-3
Support strut for loader lift arms 5-4
Fluids and Lubricants 5-5
Daily Inspections 5-7
Lubrication and Maintenance Chart 5-8
Access Doors And Fill Locations 5-9

CHAPTER 6
MAINTENANCE AND ADJUSTMENTS
Table of Contents 6-1
Wheels and Tires 6-3
Cab Service 6-5

CHAPTER 7
ELECTRICAL
Table of Contents 7-1
Electrical 7-3
Starter Motor 7-3
Fuses 7-3
Battery 7-4

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CHAPTER 8
SPECIFICATIONS
Table of Contents 8-1
Specifications 8-3
Hydraulic system 8-3
Transmission 8-4

CHAPTER 9
INDEX

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Chapter 2

SAFETY, DECALS, AND HAND SIGNALS

TABLE OF CONTENTS

SAFETY RULES 2-3
PERSONAL SAFETY 2-3
UTILITY SAFETY 2-4
- Personnel 2-5
- General 2-5
- Mounting and Dismounting Precautions 2-5
- Starting and Stopping Precautions 2-5
- Operating Precautions 2-6
- Maintenance Precautions 2-7
- Fuel Handling Precautions 2-7
- Burn Prevention 2-8
- Hazardous Chemical Precautions 2-8
- Transporting Precautions 2-8
- Roll-Over Protective Structure (If Equipped) 2-8
- Fire Extinguisher 2-8
- Seat Belt Precautions 2-8
- Specific Precautions to this Machine 2-9

DECALS 2-10

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EQUIPMENT CONTROLS

Three Lever - Three Spool Controls

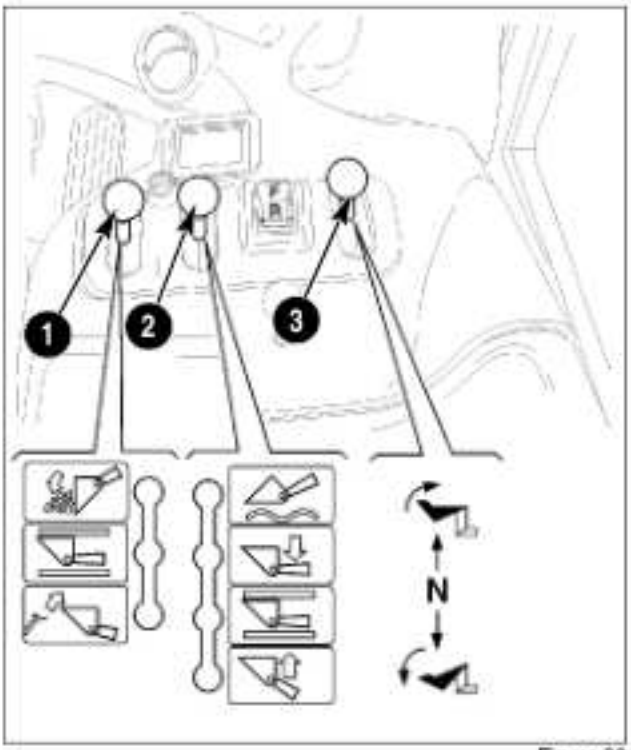


Figure 88

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

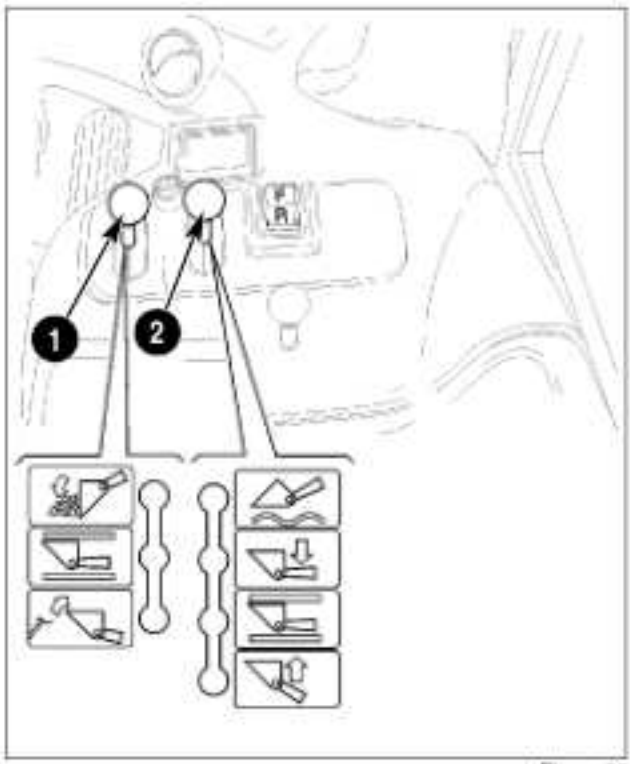


Figure 89

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.

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1000 HOUR MAINTENANCE

Replace Hydraulic Oil Filter

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

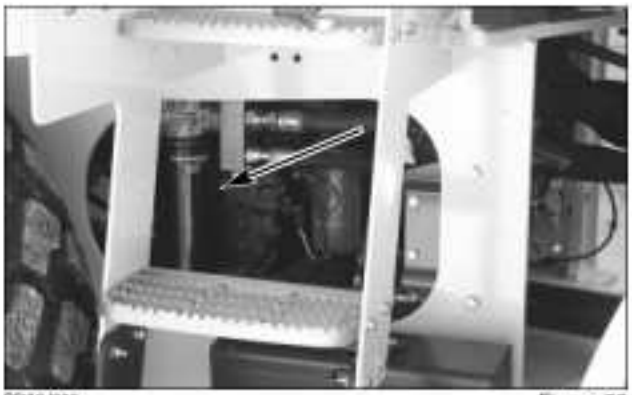
WARNING: *Fluid under pressure. Always rest the hydraulic equipment on the ground. Shut the engine off and move the hydraulic control levers through all movements several times to relieve residual pressure in the system.*

Figure 49

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.



BD03J035

Figure 50

4. Turn the filter 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



Figure 51

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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LW130.B Z-BAR: PERFORMANCE DATA PIN ON BUCKET

KEY	Bucket Type/Size	Excavating w/Bolt on edge and standard counterweight 1 285 lb (584 kg)	Excavating with bolt on edge and optional counterweight 2 136 lb (970 kg)	General Purpose w/Bolt-on edge and standard counterweight 1 285 lb (584 kg)	Stockpiling w/Bolt on edge and standard counterweight 1 285 lb (584 kg)
	Capacity, heaped (SAE)	2.55 yd^3 (1.96 m^3)	2.55 yd^3 (1.96 m^3)	2.75 yd^3 (2.1 m^3)	3.0 yd^3 (2.29 m^3)
	Capacity, Struck (SAE)	2.17 yd^3 (1.66 m^3)	2.17 yd^3 (1.66 m^3)	2.32 yd^3 (1.77 m^3)	2.56 yd^3 (1.96 m^3)
	Bucket Width	102.4" (2 602 mm)	102.4" (2 602 mm)	102.4" (2 602 mm)	102.4" (2 602 mm)
	Bucket Weight	1 792 lb. (813 kg)	1 792 lb. (813 kg)	1 856 lb. (842 kg)	1 951 lb. (885 kg)
	Bucket Force	26 567 lb. (12 049 kg)	26 567 lb. (12 049 kg)	24 817lb. (11 257 kg)	23 239 lb. (10 541 kg)
	Tipping load, straight	20 644 lb. (9 364 kg)	22 687 lb. (10 291 kg)	20 464 lb. (9 282kg)	20 291 lb. (9 204 kg)
	Tipping load @ 40° full turn	18 101 lb. (8 210 kg)	19 817 lb. (8 989 kg)	17 934 lb. (8 135 kg)	17 758 lb. (8 055 kg)
I	Dump clearance, 45° dump angle-full height	114.2" (2 900 mm)	114.2" (2 900 mm)	112.2" (2 850 mm)	110.4" (2 804mm)
J	Reach, 45° dump angle, full height	36.2" (919 mm)	36.2" (919 mm)	38.1" (968 mm)	39.9" (1 013 mm)
K	Overall height, bucket @ full height	194.0" (4 929 mm)	194.0" (4 929 mm)	195.1" (4 956 mm)	198.2" (5 033 mm)
L	Hinge pin height, fully raised	150.8" (3 832 mm)	150.8" (3 832 mm)	150.8" (3 832 mm)	150.8" (3 832 mm)
M	Overall length, bucket on ground	271.5" (6 896 mm)	271.5" (6 896 mm)	274.5" (6 972 mm)	277.1" (7 039 mm)
N	Clearance circle, bucket @ carry	451.4" (11 465 mm)	451.4" (11 465 mm)	453.1" (11 508 mm)	454.6" (11 547 mm)
	Hydraulic lifting capacity @ full height	14 522 lb. (6 587 kg)	14 558 lb. (6 603 kg)	14 453 lb. (6 556 kg)	14 353 lb. (6 511 kg)
	Hydraulic lifting capacity @ max. reach	20 557 lb. (9 324 kg)	20 556 lb. (9 324 kg)	20 462 lb. (9 291 kg)	20 377lb. (9 243 kg)
	Hydraulic lifting capacity @ ground level	25 643 lb. (11 641 kg)	25 738 lb. (11 674 kg)	24 217 lb. (10 985 kg)	22 693 lb. (10 293 kg)
	Max. dump angle @ full height	55°	55°	55°	55°
	Max. rollback @ full height	55°	55°	55°	55°
	Max. rollback @ max. reach	53°	53°	53°	53°
O	Max. rollback @ carry	44°	44°	44°	44°
	Max. rollback @ ground	40°	40°	40°	41°
P	Digging depth	2.8" (72 mm)	2.9" (73 mm)	3.1" (80 mm)	3.3" (84 mm)
	Operating weight	25 380 lb. (11 512 kg)	26 231 lb. (11 898 kg)	25 444 lb. (11 541 kg)	25 539 lb. (11 584 kg)

ADJUSTMENTS TO OPERATING WEIGHTS AND TIPPING LOADS WITH PIN-ON BUCKETS.

Add (+) or deduct (-) lb. (kg) as indicated

For loader with:	Operating Weight	Tipping Load, Straight	Tipping Load, 40° Full Turn
20.5x25 12 ply L2	-100 lb. (-45 kg)	-76 lb. (-35 kg)	-67 lb. (-31 kg)
20.5x25 12 ply L3	+228 lb. (+103 kg)	+173 lb. (+78 kg)	+152 lb. (+69 kg)
20.5R25 XHA TL	+380 lb. (+172 kg)	+288 lb. (+131 kg)	+254 lb. (+115 kg)
20R25 GP-2B TL	+112 lb. (+51 kg)	+85 lb. (+39 kg)	+75lb. (+34 kg)
20.5R25 RT-3B TL	+455 lb. (+207 kg)	+345 lb. (+157 kg)	+305 lb. (+138 kg)

NOTE: *Specifications based on loader equipped with 20.5R25 XTLA Michelin radial tires, ROPS cab with heater & A/C, auxiliary steering, front and rear fenders, full fuel, 175 lb (79 kg) operator. Per ISO 13497 unless noted.*

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