NEW HOLLAND

WHEEL LOADER

W130B TIER 3

OPERATOR'S MANUAL

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Chapter 2

SAFETY, DECALS, AND HAND SIGNALS

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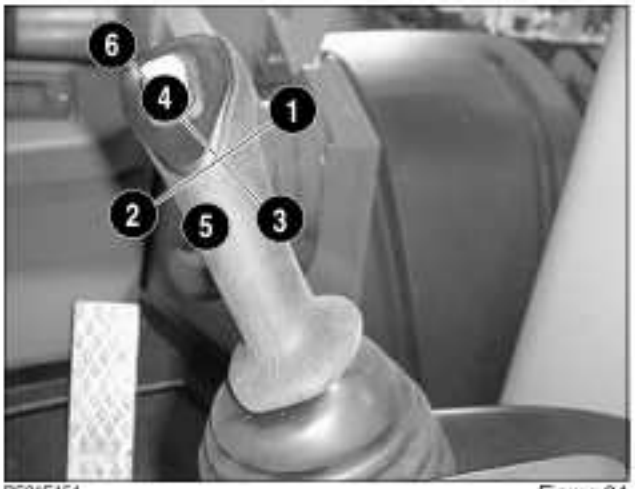
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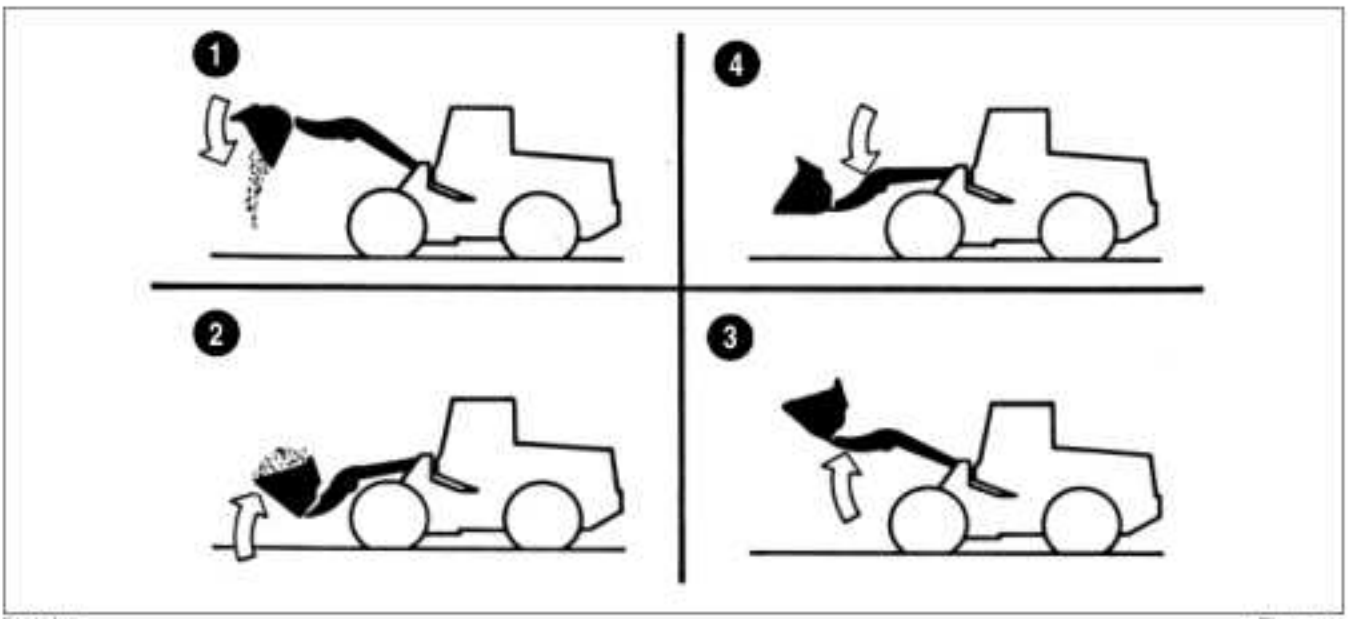
CONTROL LEVERS

TWO SPOOL VALVE - ONE CONTROL LEVER



BS01E154 Figure 24

See Loader Function Switches in this manual for RETURN-TO-DIG, BUCKET HEIGHT CONTROL and RETURN-TO-TRAVEL/FLOAT switches.



B1119A88 Figure 25

1. DUMP BUCKET.
2. ROLLBACK BUCKET.
3. RAISE LIFT ARMS.
4. LOWER LIFT ARMS.
5. HOLD: THE LOADER ARMS AND BUCKET WILL NOT MOVE WHEN THE CONTROL LEVER IS IN THE HOLD POSITION. WHEN RELEASED, THE CONTROL LEVER MUST BE MANUALLY MOVED FROM THE FLOAT POSITION TO THE HOLD POSITION. (ONLY WITH THE FLOAT DETENT SWITCH ENGAGED.)
6. FLOAT (DETENT): THIS IS A DETENT POSITION. WHEN IN THE FLOAT (DETENT) POSITION, THE LOADER BUCKET CAN FOLLOW LEVEL OF THE GROUND WITHOUT MOVEMENT OF THE CONTROL LEVER. (ONLY WITH THE FLOAT DETENT SWITCH ENGAGED.)

NOTE: *This page shows the basic loader control lever positions.*

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1000 HOUR MAINTENANCE

REPLACE HYDRAULIC OIL FILTER

Replace the hydraulic oil filters after 1000 hours of operation. Change the filters more frequently when operating conditions are severe.

WARNING: *Fluid under pressure. Always rest the hydraulic bucket/attachment 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. Failure to comply could result in serious injury or death.*

1. Keep all non-authorized personnel clear of the area. Park the machine on a firm, level surface, in neutral with the parking brake applied. Lower the bucket/attachment to the ground, and stop the engine.

WARNING: *Never drain oil or remove the oil filter while the engine is running. Failure to comply could result in serious injury or death.*

2. Slowly loosen the filler cap on the hydraulic reservoir to release pressure in the reservoir. Leave it loose during the procedure.



BD06H153 Figure 67

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

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

5. Tighten the cap on the hydraulic reservoir.
6. Start the engine and run at 1000 rpm. Have an assistant check for leaks around the filter area.

Stop the engine, and check the hydraulic oil level. Top off if necessary.

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W130B Machine- LR Lift Arm ACS Bucket with Coupler		
Key		**2.0 M^3 (2.50 Yd^3) Medium Density Bucket with Bolt-on Edge**
G	Overall length, bucket on ground	7 760 mm (305.5 in)
H	Overall height, bucket @ full height	5 546 mm (218.3 in)
I	Hinge pin height, fully raised	4 242 mm (167.0 in)
J	Dump height -fully raised 45 degree dump	3 237 mm (127.5 in)
K	Digging depth	86 mm (3.4 in)
	Capacity, heaped SAE	2.00 m^3 (2.50 yd^3)
	Capacity, struck SAE	1.71 m^3 (2.24 yd^3)
	Bucket width	2 602 mm (102.4 in)
	Tipping load, straight	8 006 kg (17 650 lb)
	Tipping load @ 40° full turn	6 891 kg (15 192 lb)
L	Bucket reach, 45° dump angle - fully raised	1 019 mm (40.1 in)
	Turning Radius - outside with 20.5R25 XTLA Tires	5 245 mm (206.5 in)
	Turning angle From center Total angle	 40 degrees 80 degrees
	Hydraulic lifting capacity @ full height	6 774 kg (14 934 lb)
	Hydraulic lifting capacity @ ground level	10 873 kg (23 970 lb)
	Max. rollback @ full height	59°
	Max. rollback @ max. reach	55°
	Max. rollback @ carry	46°
	Max. rollback @ ground	40°
	Operating load - ISO	3 445 kg (7 596 lb)
	Unit operating mass	13 024 kg (28 712 lb)

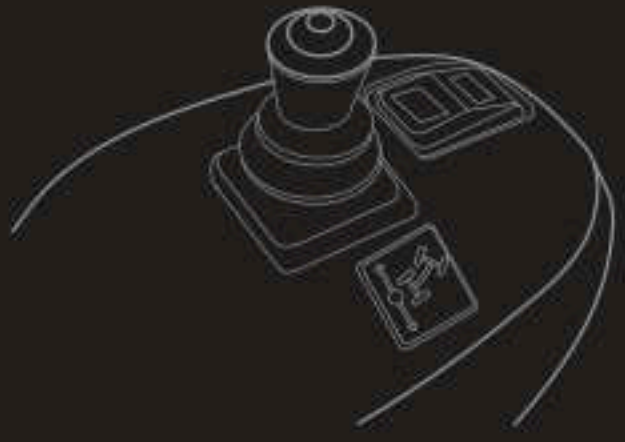
NOTE: *Data based on loader equipped with 20.5R25 XTLA tires, ROPS cab with heater and A/C, standard width front and rear fenders, full fuel, heavy duty counterweight, (79 kg) 175 lb operator.*

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OPERATOR'S MANUAL

Joystick Steering System
W110B
W130B
W170B
W190B
WHEEL LOADER

Supplement to Operator's Manuals
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