LX116 Loaders for D35, D40, D45, DX35, DX40, DX45 Tractors

Operator's Manual

87571255
Replaces 87300944

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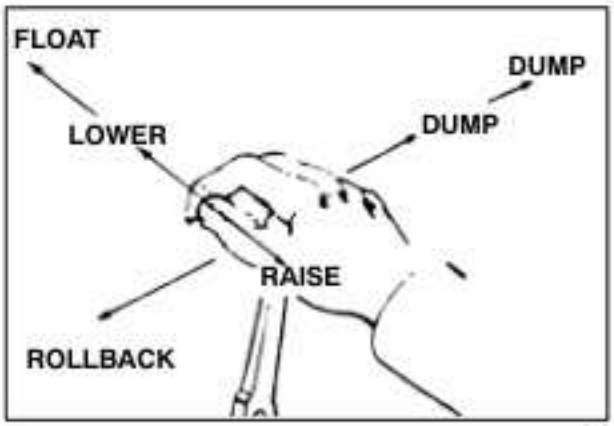
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FRONT REMOTE CONTROL VALVE (OPTIONAL)

The optional two-spool control valve is mounted to the front of the right-hand fender. This valve is used mainly for front end loader operation, but may also be used to operate other front mounted implements.

Located in the handle of the deluxe control lever are 2 remote buttons to control engine RPM.

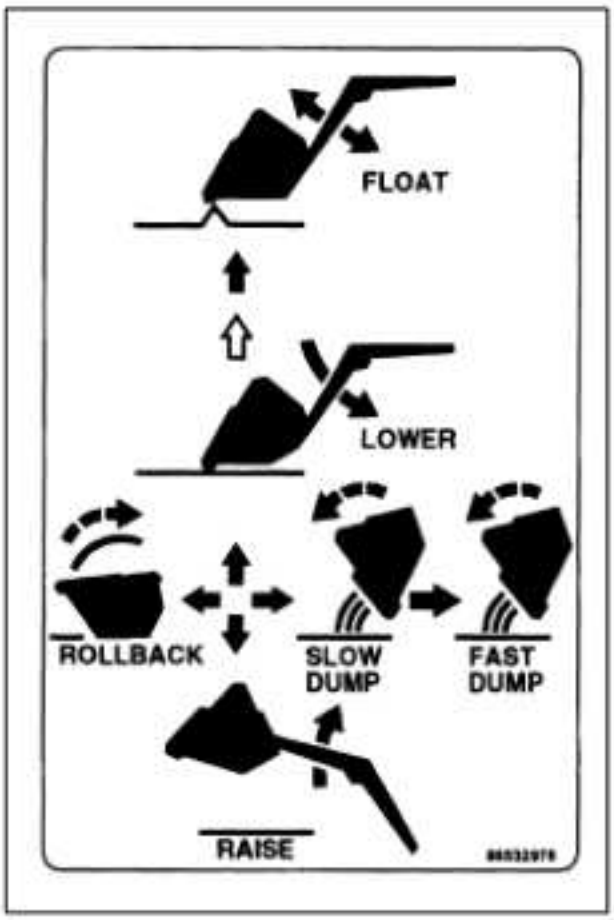
To operate the two-spool valve, pull the control lever to the rear or push it sideways to the right to extend the cylinder.



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NOTE: *When the control lever is pushed right to the second position, a regenerative feature is activated and the exhaust oil from one end of the cylinder is transferred to the other end of the cylinder. When this feature is used, the cylinder will operate at a faster rate. This regenerative feature cannot be used with single-acting cylinders.*

Push the control lever forward or pull it sideways to the left to retract the cylinder. Release the control lever to stop the cylinder in any position before it is fully extended. The lever automatically returns to neutral. Fully forward past the detent position is a "FLOAT" position which allows a cylinder to extend or retract freely.



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SECTION 3

MAINTENANCE/LUBRICATION AND ASSEMBLY

Adequate lubrication and maintenance on a regular schedule is vital to maintaining your equipment. To ensure long service and efficient operation, follow the lubrication and maintenance schedules outlined in this manual. The use of proper fuels, oils, grease and filters, as well as keeping the systems clean, will also extend machine and component life.

IMPORTANT: *Always use genuine* ***Case IH*** *replacement parts, oils and filters to ensure proper operation, filtration of engine and hydraulic systems. See your* ***Case IH*** *dealer for additional oil quantities.*

GENERAL INFORMATION

Regular lubrication is the best insurance against delays and repairs. Proper lubrication will extend machine life. Refer to the following charts for lubricants and service intervals.

IMPORTANT: *Failure to complete the required maintenance at the recommended intervals can cause unnecessary downtime.*

The intervals listed in the Lubrication Chart are guidelines to be used when operating in normal conditions. Adjust the intervals for operating in adverse environmental and working conditions. The intervals should be shortened for sandy, dusty and extremely hot operating conditions.

⚠ CAUTION ⚠

Observe these safety precautions before performing lubrication and maintenance.

1. **Shut off engine.**
2. **Disengage all drives.**
3. **Lower all attachments to the ground or raise and engage all locks**
4. **Close all shields opened and reinstall any shields removed for lubrication and maintenance proposes.**

⚠ CAUTION ⚠

Some illustrations in this manual show shields opened or removed to show areas being serviced. Replace all shields before operating this machine.

Always clean the area around dipsticks, fill caps, and check plugs when checking fluid levels. Failure to clean these areas may allow contamination to enter the system. Drain, flush and refill the system anytime you suspect it is contaminated.

Grease Fittings

Wipe dirt from fittings before greasing.

Pump fresh grease into fitting to adequately lubricate the component and force out any contamination from the grease passage.

Wipe off excess grease.

Use a grease gun containing clean high grade of multipurpose grease.

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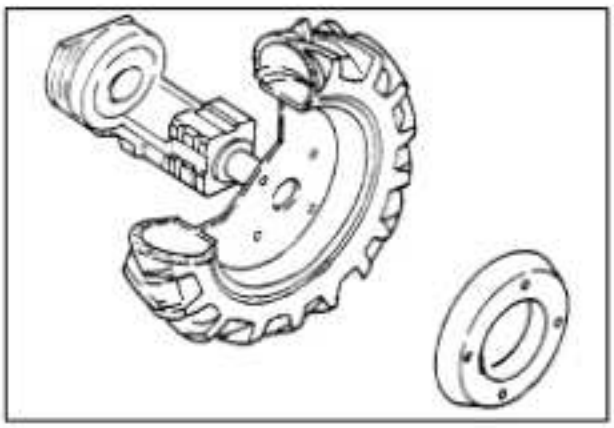
LX116 LOADER BUCKETS

BUCKET DESCRIPTION	CAPACITY (HEAPED)	CAPACITY (STRUCK)	WEIGHT
60″ STANDARD	12.6 cu. ft. (.47 cu. yds.)	10.3 cu. ft. (.38 cu. yds.)	224 lbs.
60″ HEAVY DUTY	12.6 cu. ft. (.47 cu. yds.)	10.3 cu. ft. (.38 cu. yds.)	245 lbs.
60″ HEAVY DUTY QT	12.6 cu. ft. (.47 cu. yds.)	10.9 cu. ft. (.40 cu. yds.)	248 lbs.
72″ STANDARD	13.7 cu. ft. (.51 cu. yds.)	11.9 cu. ft. (.44 cu. yds.)	259 lbs.
72″ HEAVY DUTY	13.7 cu. ft. (.51 cu. yds.)	11.9 cu. ft. (.44 cu. yds.)	286 lbs.
72″ HEAVY DUTY QT	13.7 cu. ft. (.51 cu. yds.)	13.1 cu. ft. (.48 cu. yds.)	289 lbs.

Rear Wheel Weights

Tire Type	Weight(s)
Agricultural	Maximum of (2) weights per wheel @ 47.3 kg (105 lbs.) each- 189 kg (420 lbs.) total
Turf	Not Available
Industrial (R4)	Maximum of (2) weights per wheel @ 47.3 kg (105 lbs.) each- 189 kg (420 lbs.) total per wheel

NOTE: *Rear wheel weights can be used with liquid ballast. Hardware to mount weights should be obtained locally.*



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Rear Counter Weight Bracket

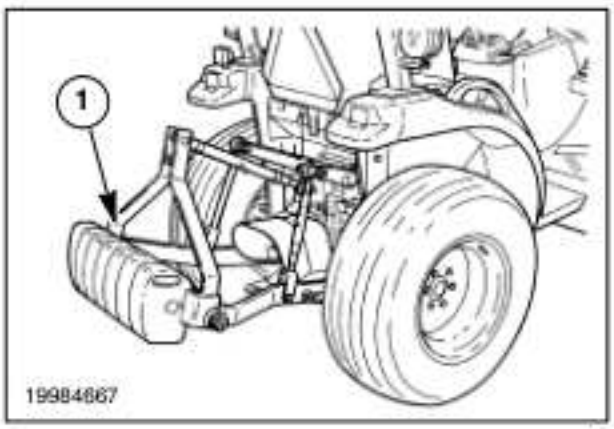
Weight bracket, 1, fits any 3 pt. hitch. Maximum of seven suitcase weights

(7) 27 kg (60 lbs.) each - 191.0 kg (420 lbs.) total

or

(2) 27 kg (60 lbs.)

(5) 45 kg (100 lbs.) - 282 kg (620 lbs.) total



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