

John Deere

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MODEL:

**410 Backhoe
Loader**

MANUAL PREVIEW

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OPERATOR'S
MANUAL



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**JOHN DEERE
JD410
BACKHOE LOADER**

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**OPERATORS MANUAL
JOHN DEERE JD410
BACKHOE LOADER**

OMT66840 I9 English

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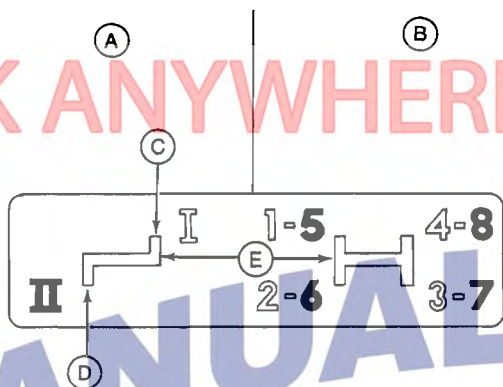
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JD410 Backhoe Loader

T33435

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T50502N

- A—Range Shift Positions
- B—Gear Shift Positions
- C—Low Range
- D—High Range
- E—Neutral

Transmission Shifting Pattern
(With Parking Brake)

Shifting When The Unit Is Stopped or Parked

Units Without A Parking Brake

1. Push down the clutch pedal.
2. Move the range shift lever from park to high or low range.
3. Move the gear shift lever to the desired gear.

NOTE: The range shift lever must be out of park before the gear shift lever can be moved into a gear.

Units With A Parking Brake

1. Push down the clutch pedal.
2. Release the parking brake.
3. Move the range shift lever to high or low range.
4. Move the gear shift lever to the desired gear.

NOTE: If the range shift lever is moved from neutral before the parking brake is released, the horn will blow.

Shifting to Another Gear

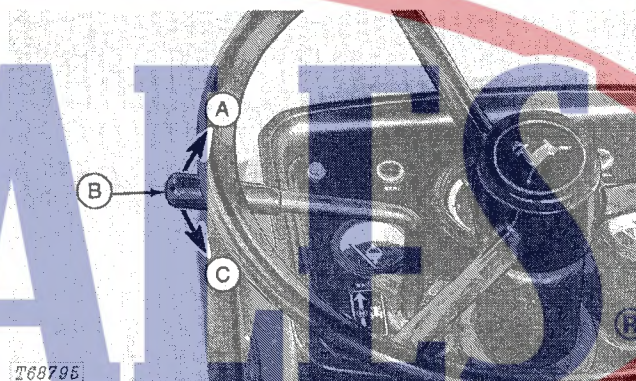
To shift gears within a range when the machine is moving, use the double clutch method.

Shifting to Another Range

To shift to another range, fully stop the backhoe loader. Disengage the clutch before changing the range.

REVERSER

The reverser control lever lets the operator change the direction of travel while the machine is moving. The operator can do this without using the clutch or shifting gears.



T68795

- A—Forward Drive
- B—Neutral
- C—Reverse Drive

Reverser Control Lever

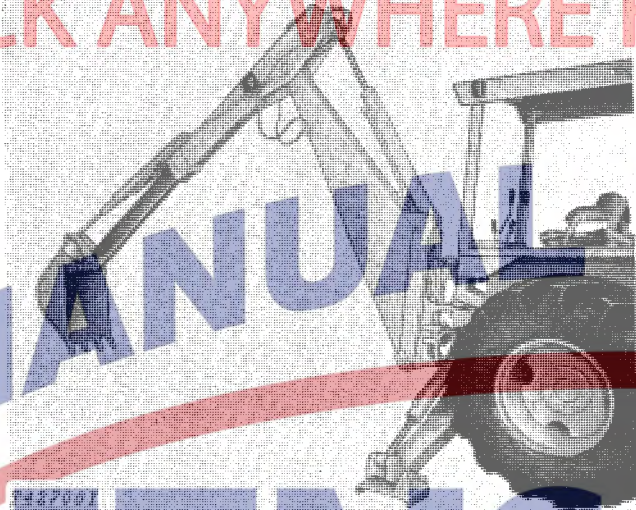
CAUTION: Reverse speeds are 16 per cent faster than forward speeds. Be careful when traveling in reverse.

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EXTENDABLE DIPPERSTICK



Extendable Dipperstick Backhoe

The extendable dipperstick adds almost 5 ft. (1.5 m) to the digging depth and reach, and can be used along with other backhoe operations.



Control Pedal

To extend the dipperstick, push down the top of the pedal. To retract dipperstick, push down the rear of the pedal.

Digging

Do not knock the bucket against the ground to clean the bucket when the dipperstick is extended.

Do not overload the backhoe by using too large a bucket in heavy soil conditions.

When the dipperstick is extended, do not swing the boom against the stop.

Avoid swinging and dumping spoil on the downhill side of the trench.

Do not extend the dipperstick to push dirt back into the ditch or use the side of the bucket to push dirt.

Before moving the tractor with the dipperstick, retract the extension all the way. When the dipperstick is fully extended, use care so the extension does not receive a sharp impact.

Buckets

Use buckets no larger than 36 inches (914 mm).

Counterweights

The tractor must have 11L-15 front tires filled with 140 lbs. (63.5 kg) of calcium chloride. Counterweights must also be added to the front wheels.

Ballast may be added by fastening counterweights to the front axle. Two counterweights are available: a 271 lb. (123 kg) front axle counterweight and a 574 lb. (260 kg) backhoe counterweight.

Traveling and Storage

When traveling or storing the machine overnight, close the extension all the way and lower the bucket to ground. When the engine is off, move the extension control pedal to release oil pressure in the extension cylinder.

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Additional Standard Equipment:

- Horizontal muffler with vertical exhaust
- Key switch with push-button safety start
- Oil pressure indicator light
- Alternator indicator light
- Coolant temperature gauge
- Fuel gauge
- Electric hour meter
- Rigid-mount platform
- Differential lock
- Fenders
- Bucket level indicator
- Deluxe swing-around seat
- Foot throttle
- Electrically operated destroke
- Relief valve for hydraulic pump
- Antifreeze
- Rear reflector
- Lights
- Cigar lighter
- Transistorized voltage regulator
- ROPS and seat belt with canopy
- Cold weather starting aid
- Tachometer
- Air cleaner restriction indicator
- Horn

Special Equipment:

- Front axle counterweight
- Cab with heater, pressurizer, front and rear windshield wiper (includes ROPS)
- Ripper tooth for backhoe
- Bolt-on stabilizer street pads
- Locking instrument panel cover
- Parking brake
- Extendable dipperstick
- Backup alarm
- Reversible stabilizer pads

Stabilizer Width:

- Transport position7 ft. 3 in. (2.21 m)
- Operating position (overall)10 ft. 2 in. (3.10 m)
- Operating position (ICED)8 ft. 9 in. (2.67 m)

Buckets:

LOADER	Nominal Heaped Capacity	Width
	1 cu. yd. (0.76 m ³)	89.4 in. (2.27 m)
	1-1/4 cu. yd. (0.96 m ³)	89.4 in. (2.27 m)
BACKHOE	Struck Capacity	Width
Standard	2.5 cu. ft. (0.071 m ³)	12 in. (305 mm)
	3.6 cu. ft. (0.102 m ³)	16 in. (406 mm)
	4.4 cu. ft. (0.125 m ³)	18 in. (457 mm)
	6.0 cu. ft. (0.170 m ³)	24 in. (610 mm)
	7.6 cu. ft. (0.215 m ³)	30 in. (762 mm)
	7.2 cu. ft. (0.204 m ³)	36 in. (914 mm)
Heavy-duty	4.4 cu. ft. (0.125 m ³)	18 in. (457 mm)
	6.0 cu. ft. (0.170 m ³)	24 in. (610 mm)
	7.6 cu. ft. (0.215 m ³)	30 in. (762 mm)
Ejector	4.2 cu. ft. (0.119 m ³)	24 in. (610 mm)
SAE Operating Weight		14,210 lb. (6 446 kg)

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