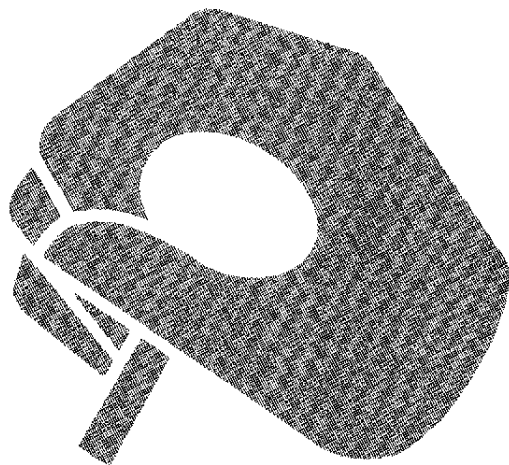


**John Deere
Hydrostatic
Front Wheel Drive
for Tractors
2130 and 3130**

**OPERATORS
MANUAL**



**OM-L 30986
Issue 1 5**

**Use with
OM-L 31484 (2130)
OM-L 31534 (3130)**

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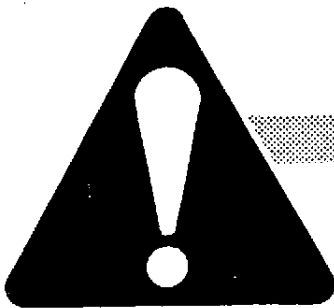
To the Purchaser

Model 2130 and 3130 tractors may be equipped with a hydrostatic front wheel drive.

This front wheel drive enables you to operate your tractor in very difficult conditions which would make it impossible to work with a standard rear wheel drive tractor.

The front wheel drive is operated by a tumbler switch handily located on the instrument panel.

Before operating your front wheel drive tractor, please study these instructions.



When tractor operation is completed and having shut off the engine, relieve all hydraulic pressure at accumulator by operating steering wheel several times in both directions and operating the rockshaft control lever.

Before dismounting from tractor, always disengage hydrostatic front wheel drive by shifting tumbler switch to "Off" position.

Further, strictly observe the following parking instructions:

On tractors equipped with handbrake, firmly apply handbrake and shift range or gear shift lever into neutral position.

On tractors equipped with parking lock, shift range lever into parking position and engage a gear.

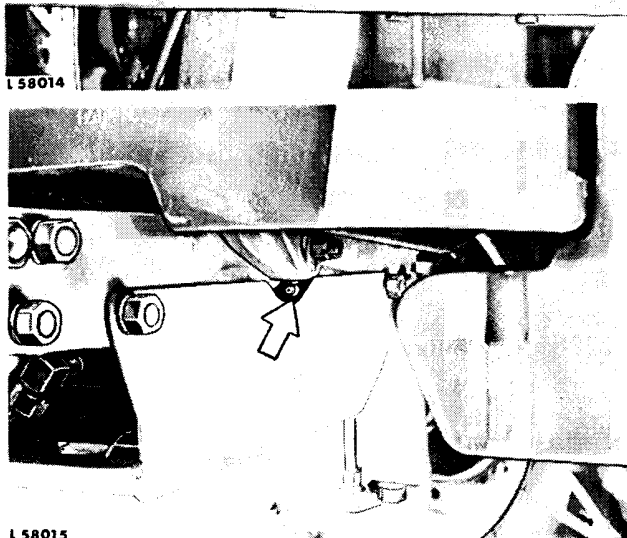
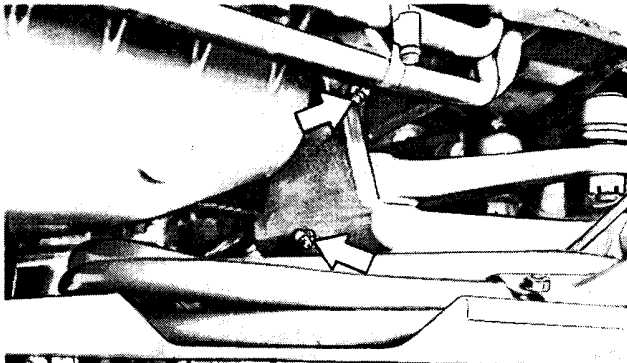
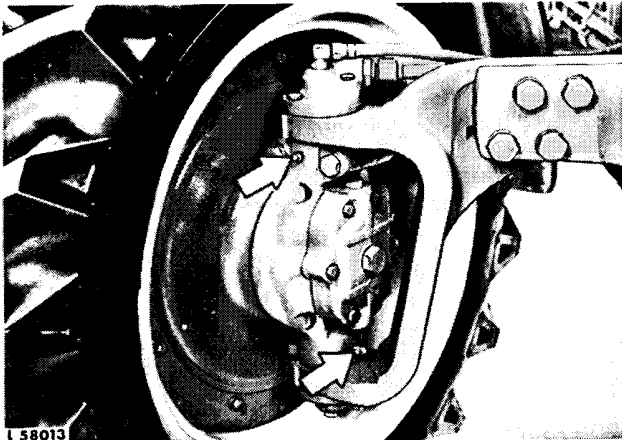




Lubrication and Periodic Service

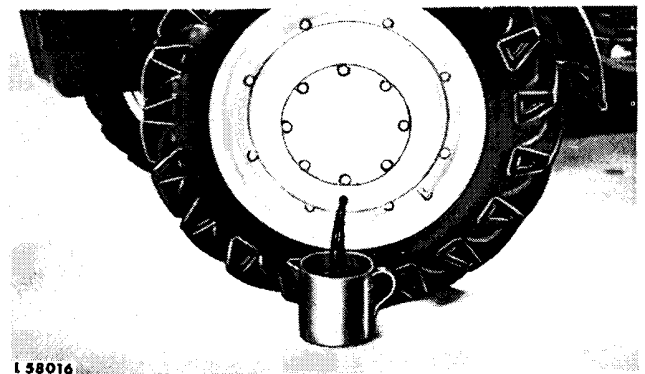
Daily or every 10 hours of operation

Lubricate grease fittings shown on illustrations below daily or every 10 hours of operation, using lithium saponified multipurpose grease or SAE No. 2 multipurpose grease.

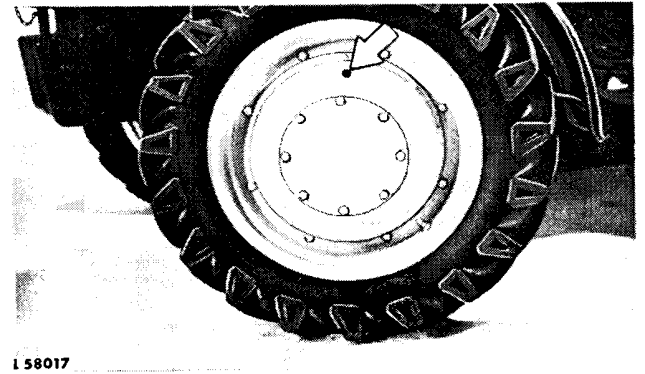


Every 1000 hours of operation

When changing the transmission/hydraulic oil (see Operators Manual for two wheel drive tractor), you must also change the oil in the planetary reduction gear housings.



Turn each wheel so that oil drain and filler plug is at its lowest point. Remove plug and drain oil into a container.



To refill housings turn each wheel so that plug is at its highest point. Refill each housing with 9.5 liters (2.5 U.S. gals.) of John Deere Hy-Gard transmission and hydraulic oil (or JD 303) or its equivalent.

Refill transmission case until oil is level with upper mark on dipstick and drive tractor for a short period with HFWD engaged. This will ensure that all lines are filled with oil. Recheck oil level at dipstick and top up as required.

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Specifications

	2130	3130
Hydraulic pump	8-piston-radial-pump, self-regulating	
Stand-by pressure	160 to 162 bar (2320 to 2350 psi)	
Operating pressure	140 bar (2050 psi)	
Planetary reduction drive	double reduction gear	
Working ranges	working torque (low torque) additional torque (high torque)	
Working torque		
Forward gears	1 to 7	1 to 5
Additional torque		
Forward gears	1 to 4	1 to 3
Reverse gears	1 to 4	1 to 3
Engine slow idle	900 rpm	900 rpm
Front tires	9.5/9-24 (8 PR)	11.2/10-24 (8 PR)
Rear tires	13.6/12-38 15.5 - 38 16.9/14-34 18.4/15-30	16.9/14-34 16.9/14-38 18.4/15-34 23.1/18-26
Tread width, min. (max. wheel turn of 40°)	1.50 m. (59 in.)	1.63 m. (64 in.)
Tread width, max. (max. wheel turn of 55° on second to widest wheel tread)	1.90 m. (75 in.)	2.03 m. (80 in.)
Adjustable in increments of	100 mm (4 in.)	100 mm (4 in.)
Max. permissible front weights	8 plus 1 basic weight	10 plus 1 basic weight
Front axle weight with max. permissible front weights	1850 kg (4080 lbs.)	2185 kg (4820 lbs.)
Max. permissible front axle weight (restricted by front tire load capacity)	2220 kg (4895 lbs.)	2450 kg (5400 lbs.)