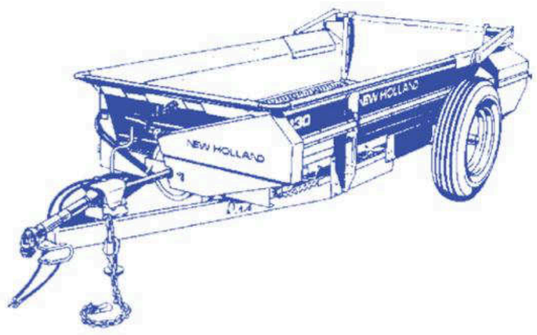
NEW HOLLAND

130
145
155
165
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OPERATOR'S MANUAL



87390565 3/06

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UNIVERSAL SYMBOLS

As a guide to the operation of your tractor, various universal symbols have been utilized on the instruments, controls, switches, and fuse box. The symbols are shown below with an indication of their meaning.


Thermostart starting aid


Alternator charge


Fuel level


Automatic Fuel shut-off


Engine speed (rev/min x 100)


Hours recorded


Engine oil pressure


Engine coolant temperature


Coolant level


Tractor lights


Headlamp main beam


Headlamp dipped beam


Work lamps

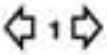

Stop lamps


Horn

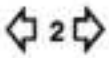

Radio

KAM
Keep alive memory


Turn signals



Turn signals -one trailer



Turn signals -two trailers


Front wind-screen wash/wipe


Rear wind-screen wash/wipe


Heater temp-erature control


Heater fan


Air conditioner


Air filter blocked


Parking brake


Brake fluid level


Trailer brake


Roof beacon


Warning! Corrosive substance


P.T.O.

N
Transmission in neutral


Creeper gears


Slow or low setting


Fast or high setting


Ground speed


Differential lock


Rear axle oil temperature


Transmission oil pressure


FWD engaged


FWD disengaged

Warning!

Hazard warning lights

Variable control

Pressurized! Open carefully

Position Control

Draft Control

Accessory socket

Implement socket

%age slip

Hitch raise (rear)

Hitch lower (rear)

Hitch height limit (rear)

Hitch height limit (front)

Hitch disabled

Hydraulic and transmission filters

Remote valve extend

Remote valve retract

Remote valve float

Malfunction! See Operator's Manual

Malfunction! (alternative symbol) See Operator's Manual

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SPREADER CALIBRATION

Calculation of spreading rates may be beneficial in determining the amount of manure applied per acre and the management of manure nutrients. Calculations by volume and by weight are two commonly used methods.

Volume Method

The volume method is based upon the volume of the spreader, the density of the manure being spread, the width of the spread pattern and the distance traveled to spread one load. *See Specifications for spreader capacity.*

Weight Method

The weight method is determined by laying a pre-measured sheet of plastic in the field and driving the spreader directly over it while spreading at normal speed and load conditions. The weight of the manure collected on the sheet of plastic is then used to calculate the spread rate in tons per acre.

VOLUME METHOD		
Measure	**Calculation**	**Result**
1. Spreader volume in Cu. ft.	$\frac{\text{Cu. ft. x density}^* \text{ x } 21.72}{\text{Distance x width}}$	Tons per acre application rate
2. Distance driven and width spread, in feet		
WEIGHT METHOD		
1. Area of plastic sheet in square feet	$\frac{\text{Net wt., pounds x } 21.72}{\text{Area of plastic sheet, sq. ft.}}$	Tons per acre application rate
2. Weight of manure on sheet after drive over		
9' x 12' sheet of plastic	$\frac{\text{Net wt., pounds}}{5}$	
56" square plastic sheet	Net wt., pounds	

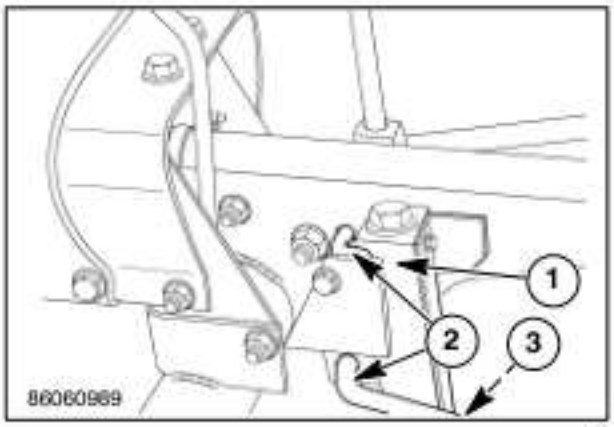
**Manure density (lbs/cu. ft.) – Typical manure weights as illustrated can vary from 29 lbs. to 75 lbs. per cubic foot. If unknown, the density of manure (lbs. /cu. ft.) can be determined by filling and weighing a representative sample of the manure in a 5 gal. container. Multiply the weight of the manure, less container, by 1.5 (5 gal = 0.667 cu. ft.) to determine the lbs. /cu. ft.*

AVERAGE MANURE DENSITY

MANURES	DENSITY (lbs/cu. ft.)
Chicken, fresh	60
Chicken litter	32
Beef cattle, fresh	63
Beef cattle, pen	57
Dairy cattle, fresh	62
Dairy cattle, tie stall	54
Dairy cattle, free stall	57
Horse, fresh	63
Horse, stall	51
Sheep, fresh	64
Swine, fresh	62
Turkey, fresh	63
Turkey litter	29
Sludge, municipal	75

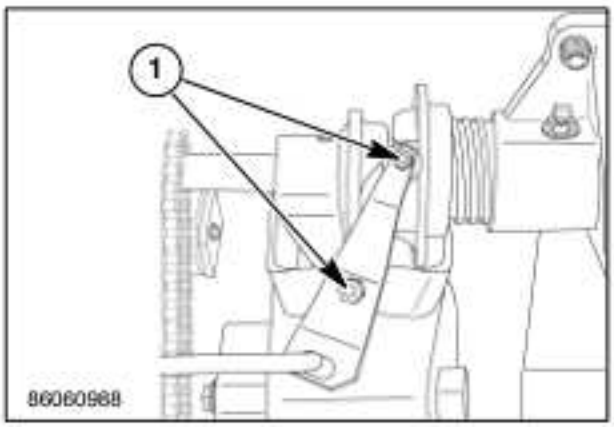
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Lubricate the jack, 1, jack latch, 2, and jack shaft, 3, with SAE 30 oil every 100 loads or once a month.



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Lubricate the control rod linkage, clutch rollers, 1, and all pivot points with SAE 30 oil every 100 loads or once a month.



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1. Part #772818

DANGER: To avoid injury, DO NOT allow riders on the machine. Floor chain and beaters can accidentally start moving and cause serious injury or death.



2. Part #86622073

WARNING: Read the complete Operator's Manual and become familiar with starting, operating and safety instructions in the manual and on the unit.



3. Part #849471

DANGER: Rotating driveline can cause death.



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