

714A and 716A Forage Wagons



JOHN DEERE

OPERATORS MANUAL

714A and 716A
Forage Wagons

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ENGLISH





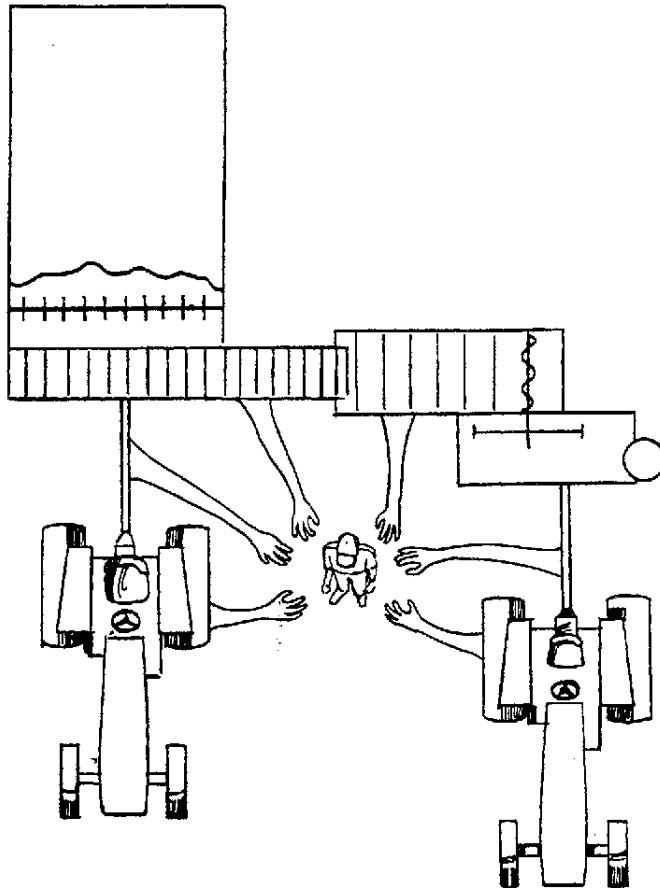
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SAFETY

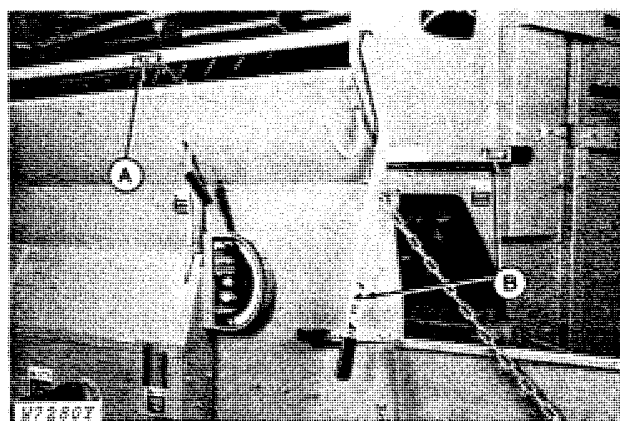
BEFORE OPERATING



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You are surrounded by powershafts, wheels, conveyors, beaters, and chains. Don't give them something to grab. Do not wear loose clothing and keep hands and feet away from moving parts.

Stop bar (A) and handles (B) disengage all forage wagon drives except the powershaft. See "Stop Handles" pages 19 and 25 for operating instructions.



A—Stop Bar

B—Handles

Know where the danger areas are before you operate any controls.

Read and follow instructions on all decals.

WHEN OPERATING

Do not leave forage wagon unattended while it is operating.

Be familiar with all controls.

Keep children away from all machinery.

Never enter the forage wagon while tractor or forage wagon is operating.

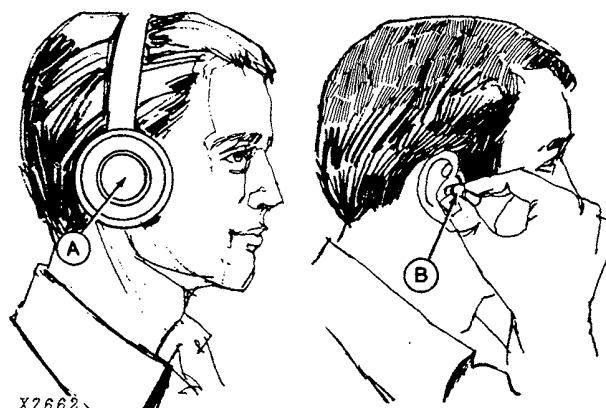
Read and follow the instructions on all decals.

Do not carry bales in the forage wagon. During unloading, bales jam on top of endgate and may fall on operator.

Protect Against Noise

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.



A—Earmuffs
B—Earplugs

X7662



Preparing the Forage Wagon

CAPACITY

WAGON GEAR TIRE SIZES

Wagon Gear	Tire Size	Max. Gross Load Capacity (At 5 mph, 8.1 km/hr)
1065A	11L x 15 10 PR	14,000 lb. (6349 kg)
1075	12.5L x 16 12 PR	20,000 lb. (9070 kg)
1275	11L x 15 12 PR	24,000 lb. (10884 kg)

To maintain operator safety and forage wagon efficiency, choose a wagon gear and tire combination from the chart at the left.

Use the chart below for the 714A and the chart at the right for the 716A to determine load limitations and tire pressures for various forage wagon and wagon gear combinations.

714A FORAGE WAGON - WAGON GEAR COMBINATIONS

714A WITH LOW SIDES

Speed*	Maximum Net Load	Wagon Gear	Max. Load Height				Ground Ear Corn	Tire Pressure
			Silage		Haylage			
			Fresh Cut	Stored	Fresh Cut	Stored		
Up to 5 mph (8.1 km/hr)	10270 lb. (4757 kg)	1065A	Full	Middle Of Second Beater	Full	Full	Bottom Of Second Beater	44 psi (3.1 bar)
	15950 lb. (7233 kg)	1075	Full	Full	Full	Full	Top Of Third Beater	52 psi (3.6 bar)
Up To 10 mph (16.1 km/hr)	9262 lb. (4200 kg)	1065A	Bottom Of Third Beater	Middle Of Second Beater	Full	Full	Bottom Of Second Beater	44 psi (3.1 bar)
	13750 lb. (6236 kg)	1075	Full	Bottom Of Third Beater	Full	Full	Middle Of Second Beater	52 psi (3.6 bar)

714A WITH HIGH SIDES

Speed*	Maximum Net Load	Wagon Gear	Maximum Load Height				Ground Ear Corn	Tire Pressure
			Silage		Haylage			
			Fresh Cut	Stored	Fresh Cut	Stored		
Up To 5 mph (8.1 km/hr)	9970 lb. (4521 kg)	1065A	Bottom Of Third Beater	Middle Of Second Beater	Top Of Third Beater	Full	Bottom Of Second Beater	44 psi (3.1 bar)
	15670 lb. (7106 kg)	1075	Full	Middle Of Third Beater	Full	Full	Top Of Second Beater	52 psi (3.1 bar)
Up To 10 mph (16.1 km/hr)	8960 lb. (4064 kg)	1065A	Top Of Second Beater	Middle Of Second Beater	Top Of Third Beater	Full	Bottom Of Second Beater	44 psi (3.1 bar)
	13470 lb. (6108 kg)	1075	Top Of Third Beater	Bottom Of Third Beater	Full	Full	Middle Of Second Beater	52 psi (3.6 bar)

* When traveling up to 20 mph (32.2 km/hr), the maximum loads must be reduced by 15 per cent to the corresponding load for 10 mph (16.1 km/hr).

716A FORAGE WAGON - WAGON GEAR COMBINATIONS

716A WITH LOW SIDES

Speed*	Maximum Net Load	Wagon Gear	Max. Load Height				Ground Ear Corn	Tire Pressure
			Silage		Haylage			
			Fresh Cut	Stored	Fresh Cut	Stored		
Up To 5 mph (8.1 km/hr)	15610 lb. (7079 kg)	1075	Full	Bottom Of Third Beater	Full	Full	Middle Of Second Beater	52 psi (3.6 bar)
	19390 lb. (8793 kg)	1275	Full	Full	Full	Full	Bottom Of Third Beater	52 psi (3.6 bar)
Up To 10 mph (16.1 km/hr)	13410 lb. (6083 kg)	1075	Full	Top Of Second Beater	Full	Full	Middle Of Second Beater	52 psi (3.6 bar)
	17053 lb. (7734 kg)	1275	Full	Full	Full	Full	Top Of Second Beater	52 psi (3.6 bar)

716A WITH HIGH SIDES

Speed*	Maximum Net Load	Wagon Gear	Maximum Load Height				Ground Ear Corn	Tire Pressure
			Silage		Haylage			
			Fresh Cut	Stored	Fresh Cut	Stored		
Up To 5 mph (8.1 km/hr)	15320 lb. (6948 kg)	1075	Top Of Third Beater	Bottom Of Third Beater	Full	Full	Middle Of Second Beater	52 psi (3.6 bar)
	19100 lb. (8662 kg)	1275	Full	Middle Of Third Beater	Full	Full	Bottom Of Third Beater	52 psi (3.6 bar)
Up to 10 mph (16.1 km/hr)	13120 lb. (5949 kg)	1075	Middle Of Third Beater	Top Of Second Beater	Full	Full	Middle Of Second Beater	52 psi (3.6 bar)
	16760 lb. (7600 kg)	1275	Full	Middle Of Third Beater	Full	Full	Top Of Second Beater	52 psi (3.6 bar)

*When traveling up to 20 mph (32.2 km/hr), the maximum loads must be reduced by 15 per cent to the corresponding load for 10 mph (16.1 km/hr).

When using the forage wagon for feeding, supplements may be added. The spiral beaters provide an even flow of material to the cross conveyor, however, the degree of supplement mixing is dependent on how evenly it is distributed on the load.

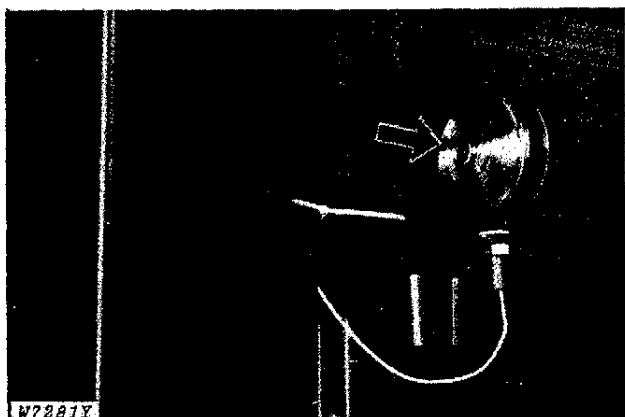
IMPORTANT: Observe the maximum net loads as indicated in the charts. When adding supplements, reduce the weight of the load by an amount equal to the weight of feed supplement being added. Refer to the density chart.

The loading charts are based on average material densities. Actual loads may vary, depending on the actual density of the material being handled.

DENSITY CHART

Material	Density lb/ft ³ (kg/m ³)
Fresh Cut Silage	25 lb/ft ³ (400 kg/m ³)
Stored Silage	35 lb/ft ³ (560 kg/m ³)
Fresh Cut Haylage	18 lb/ft ³ (288 kg/m ³)
Dry Haylage	12 lb/ft ³ (192 kg/m ³)
Ground Ear Corn	45 lb/ft ³ (721 kg/m ³)

WARNING LIGHTS

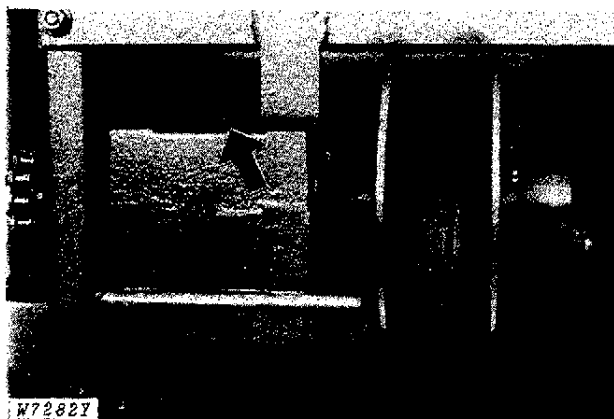


Use flashing warning lights and turn signals on the rear of the forage wagon when transporting on public roads unless prohibited by governmental regulations.

Tractor and implement warning light kits are available from your John Deere dealer.

See "WARNING LIGHTS", page 47, for installation instructions.

GEARBOX



Remove thumb tack from gearbox filler plug and discard.

LUBRICATION

Lubricate forage wagon according to "Lubrication," pages 30 through 33.

Follow lubrication instructions in wagon gear Operator's Manual.

ADJUSTMENTS

Adjust drive components according to "Service," pages 34 through 43.

TIRE INFLATION

Inflate tires as specified in the charts on pages 4 and 5.

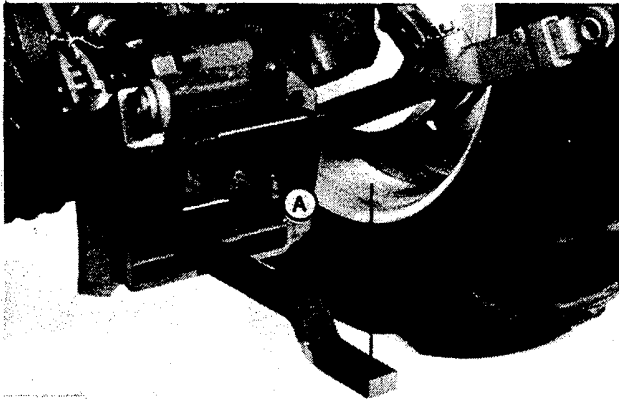


Preparing the Tractor

PTO

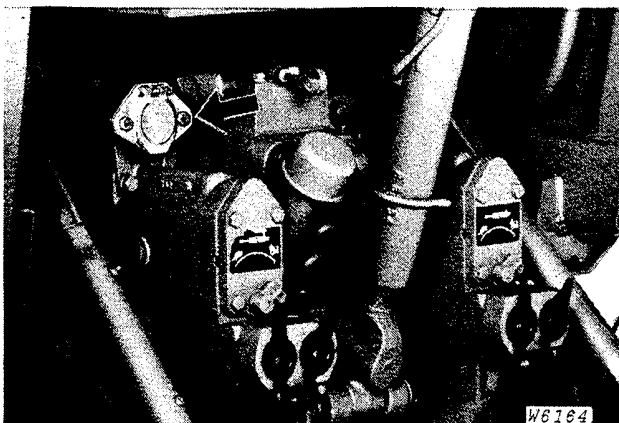
The tractor must be equipped with a 540 rpm PTO.

DRAWBAR



Position drawbar along tractor centerline with offset down. Adjust length so dimension "A" is 14 inches (35.6 cm).

WARNING LIGHTS



Use flashing warning lights and turn signals on the rear of the forage wagon when transporting on public roads unless prohibited by governmental regulations.

Tractor and implement warning light kits are available from your John Deere dealer.

BALLAST



CAUTION: Do not tow loads that weigh more than twice the weight of tractor.

If necessary, add ballast as described in your tractor operator's manual to meet the above requirement.

TIRE INFLATION

Inflate tires as specified in the tractor operator's manual.

BRAKES

Tractor brakes must be in good condition when towing a forage wagon.

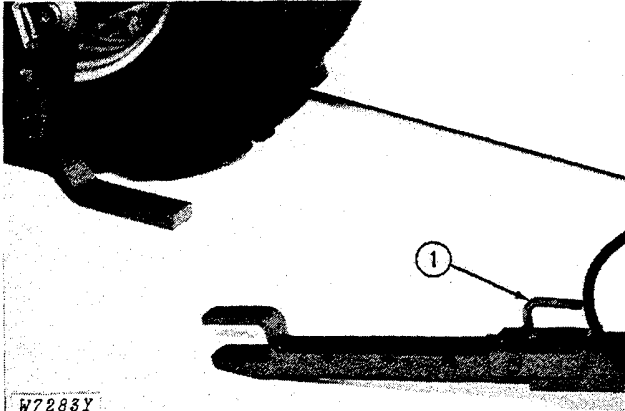
ROCKSHAFT

A rockshaft height stop is available from your John Deere dealer to prevent accidentally lowering the rockshaft and interfering with the powershaft.

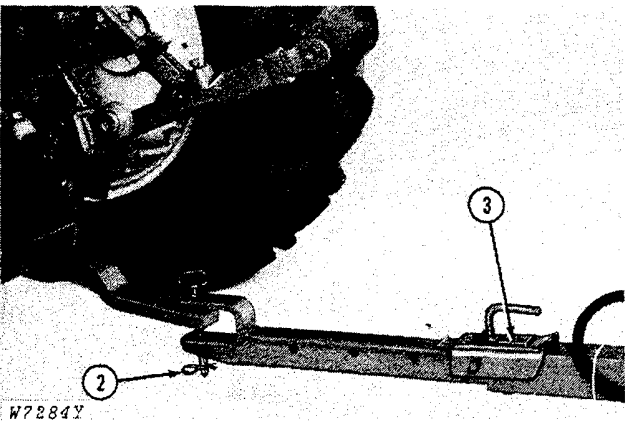


Attaching the Forage Wagon

HITCH POLE

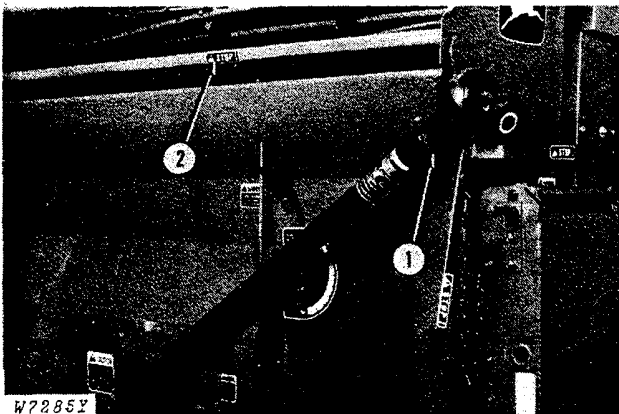


1. Back tractor just short of wagon pole. Raise pole latch handle and extend pole.



2. Attach pole to drawbar with a hitch pin and spring locking pin.
3. Back tractor to relatch pole.

POWERSHAFT

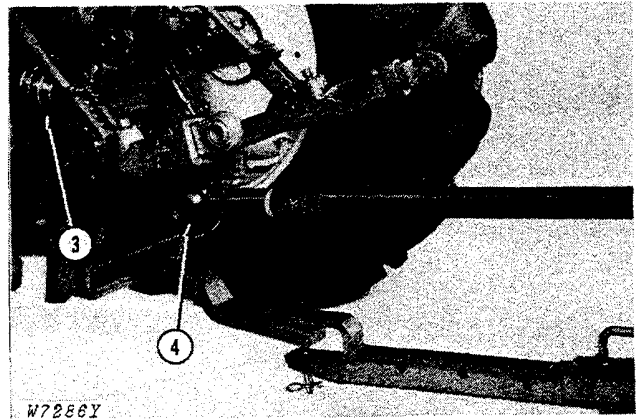


1. Remove powershaft from bracket.
2. Pull stop bar to disengage clutch and allow powershaft to rotate to align with tractor PTO splines.

3. Store PTO guard on retainer.

⚠ CAUTION: Replace PTO guard when PTO is not in use.

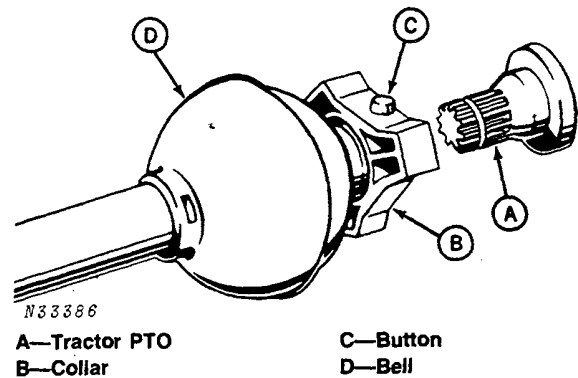
4. Attach powershaft as described below.



Attaching PTO Powr-Gard™ Hookup

⚠ CAUTION: Follow safe PTO hookup procedure outlined below.

1. Shut off tractor engine.
3. Move collar (B) back against stop on yoke.
3. Push button (C) and turn collar (B) until button locks in position.
4. Turn collar (B) or tractor PTO (A) to align splines.
5. Push bell (D) forward firmly until button snaps out.
6. Pull rearward on bell (D) to be sure powershaft is latched. Do NOT pull on collar as this will release latch.
7. Replace any tractor PTO shielding which was removed to attach PTO Powr-Gard Hookup.



Detaching PTO Powr-Gard™ Hookup

⚠ CAUTION: Follow safe PTO detaching procedure outlined below.

1. Shut off tractor engine.
2. Support bell (D) with one hand.
3. Pull collar (B) back with other hand. Button (C) need NOT be held down.
4. Replace any tractor PTO shielding which was removed to detach PTO Powr-Gard Hookup.

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