

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Utility Cart
13 and 18

OMM151094 B4

OPERATOR'S MANUAL



JOHN DEERE

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Previous Editions

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North American Version

Litho in U.S.A.



PRODUCT IDENTIFICATION

Product Identification

Product Compatibility

This utility cart is designed for use with lawn tractors and lawn and garden tractors.

Record Purchase Information

Utility Carts

Models 13 and 18

Record your purchase information in the spaces provided below.

DATE OF PURCHASE:

DEALER NAME:

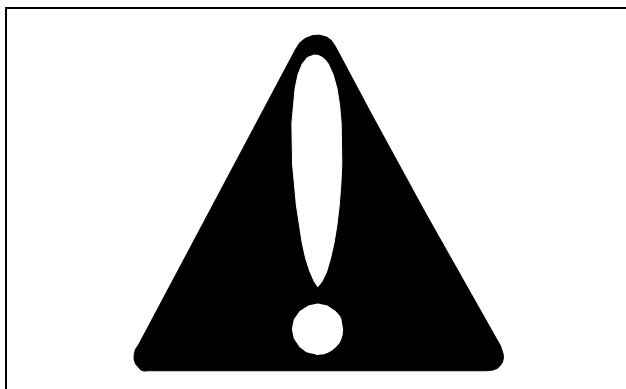
DEALER PHONE:

CAUTION



Safety Labels

Pictorial Safety Signs



Safety-Alert Symbol

At several important places on this machine safety signs are affixed intended to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information how to avoid personal injury. These safety signs, their placement on the machine and a brief explanatory text are shown in this Safety section.

To help prevent bodily injury due to loss of stability or control:

- Do not exceed maximum towing capacity of towing vehicle listed in the vehicle operator's manual.
- Do not exceed maximum cart load capacity listed in cart operator's manual.
- Reduce loaded cart weight on slopes and/or slippery surfaces.
- Do not exceed 8 mph (13 kph) when towing cart.

Safety

Read the general safety operating precautions in your machine operator's manual for additional safety information.

Operate Safely

- Do not let children or an untrained person operate machine.
- Do not let anyone, especially children, ride on machine or attachment. Riders are subject to injury such as being struck by foreign objects and being thrown off. Riders may also obstruct the operator's view, resulting in the machine being operated in an unsafe manner.
- This attachment is intended for use in lawn care and home applications. Do not tow behind a vehicle on a highway or in any high speed application.
- Check machine brake action before you operate. Adjust or service brakes as necessary.
- Do not operate machine at high speeds when you tow the cart. Travel slowly over rough ground.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Replace all worn or damaged safety and instruction decals.
- Do not modify machine or safety devices. Unauthorized modifications to the machine or attachment may impair its function and safety.

Towing Loads Safely

- Stopping distance increases with speed and weight of towed load. Travel slowly and allow extra time and distance to stop.

ASSEMBLY

- Total towed weight must not exceed limits specified in towing vehicle operator's manual.
- Excessive towed load can cause loss of traction and loss of control on slopes. Reduce towed weight when operating on slopes.
- Never allow children or others in or on towed equipment.
- Use only approved hitches. Tow only with a machine that has a hitch designed for towing. Do not attach towed equipment except at the approved hitch point.
- Follow the manufacturer's recommendations for weight limits for towed equipment and towing on slopes. Use counterweights or wheel weights as described in the machine operator's manual.
- Do not turn sharply. Use additional caution when turning or operating under adverse surface conditions. Use care when reversing.
- Do not shift to neutral and coast downhill.

Protect Bystanders

- Keep bystanders away when you operate cart.
- Before you back machine and cart, look carefully behind cart for bystanders.

Keep Riders Off Cart

Keep riders out of cart.

Riders in cart are subject to injury, such as being struck by objects and being thrown off the cart during sudden starts, stops and turns.

Riders obstruct the operator's view, resulting in the cart being used in an unsafe manner.

Keep riders off of hitch bracket.

Keep Feet From Under Drawbar

Before you disconnect cart from machine hitch plate:

- Unload cart.
- Stop cart on level ground.
- Stop engine.
- Lock park brake.
- Block cart wheels.
- Make sure feet are not under drawbar.

Assembly

Parts in Kit

Parts in Box

Qty.	Description
1	Cart Box
2	Wheel and Tire Assembly
1	Axle Support
1	Drawbar
1	Tailgate
1	Axle (Installed in axle support)

Parts in Bag

Qty.	Description
2	Tailgate Latches
1	Lock Bracket
1	Drawbar Pin, 1/2 x 2 1/2 in.
1	Cotter Pin, 1/8 in.
1	Clevis
1	Lock Bar
1	Handle Spring
2	Tailgate Lock Bracket
2	E-Ring
2	Tailgate Pin
2	Black Vinyl Cap
2	Black Rubber O-Ring
2	Shoulder Bolt
4	Bolt, 5/16 x 1 in. (Model 13)
2	Bolt, 5/16 x 1 in. (Model 18)
3	Lock Nut, 3/8 in.
4	Hex Head Screw, 5/16 x 1/2 in.
4	Large Flat Washer, 3/4 in. (Axle)
2	Drawbar Spacer, 1-1/4 in. (Model 13)
2	Drawbar Spacer, 1 in. (Model 18)
1	Bolt, 3/8 x 3-1/2 in. (Model 13)
1	Bolt, 3/8 x 3 in. (Model 18)
2	Spacer, 1/2 in. (Axle) (Model 18)
6	Lock Washer, 1/4 in.
6	Hex Nut, 1/4 in.
4	Hex Head Bolt, 5/16 x 3/4 in. (Model 18)
8	Round Head Machine Screw, 1/4 x 3/4 in.
2	Hex Lock Nut, 1/4 in.
8	Hex Lock Nut, 5/16 in. (Model 13)
10	Hex Lock Nut, 5/16 in. (Model 18)

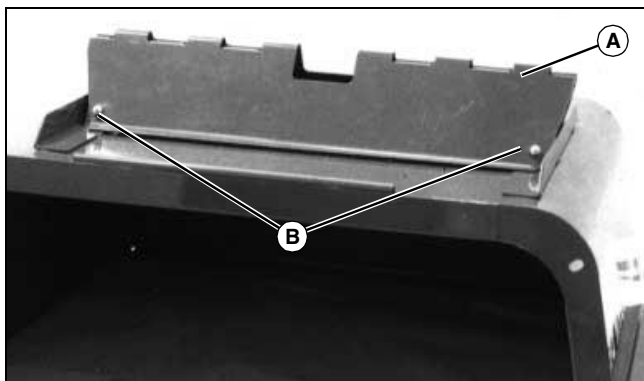
Assemble Cart

When assembling cart, do the following

- Place pieces of carton under cart box to help avoid scratching finish.
- Put all bolt heads to the inside of the cart box.
- Remove the protective covering from the side decals.

ASSEMBLY

Install Axle Support

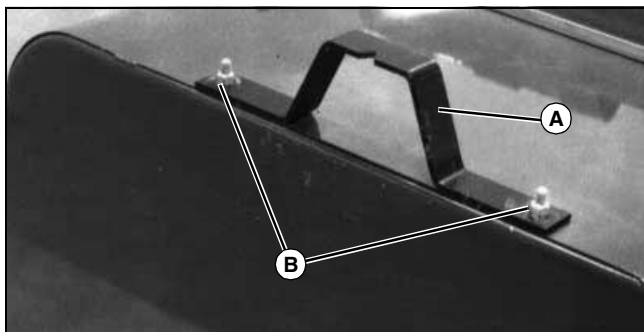


M74847

1. Install axle support (A) to box with four 5/16 x 1/2 in. hex head bolts and four lock nuts (B).
2. Tighten nuts.

Install Lock Bracket (Model 13)

NOTE: Make sure notch on lock bracket is facing to the front of the cart.

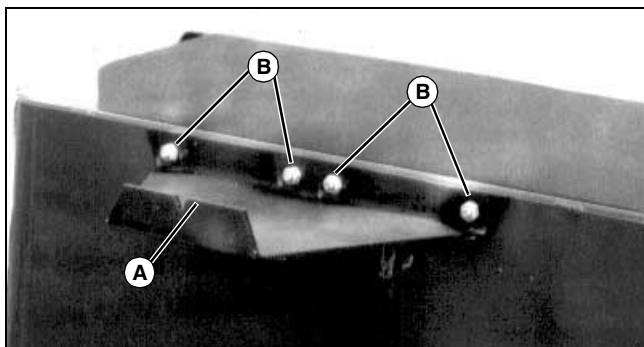


M74848

1. Put lock bracket (A) on cart.
2. Install two 5/16 x 1 in. hex head bolts and lock nuts (B) through cart box and lock bracket.
3. Tighten nuts.

Install Lock Bracket (Model 18)

NOTE: Make sure notch on lock bracket is facing to the front of the cart.

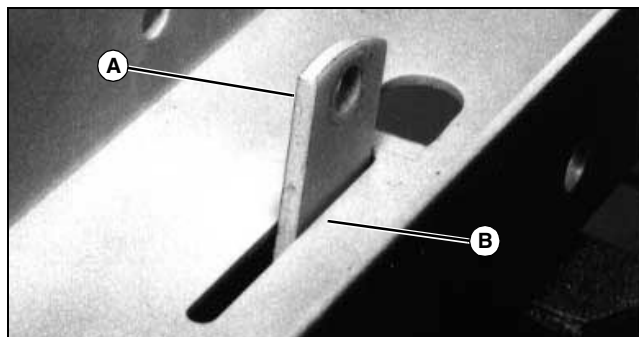


M74867

1. Put lock bracket (A) on cart.
2. Install four 5/16 x 3/4 in. hex head bolts and lock nuts (B) through cart box and lock bracket.

3. Tighten nuts.

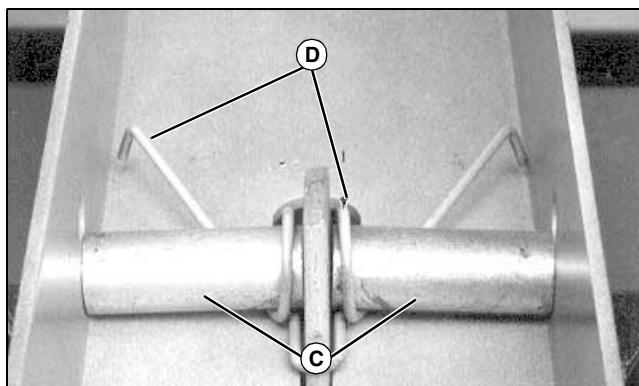
Assemble Cart Lock Bar



M48106

Picture Note: Bottom of drawbar shown

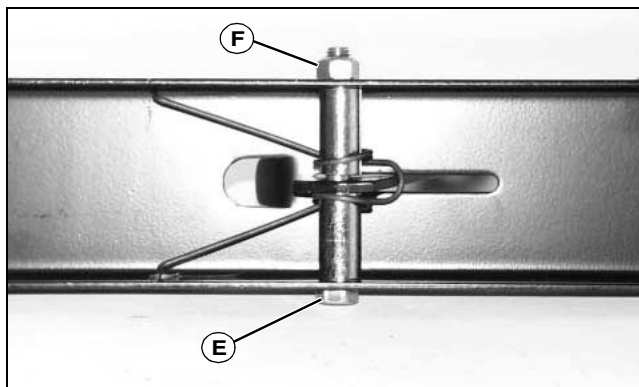
1. Place cart lock bar (A) through slot in drawbar with notch in lock bar (B) to rear of cart.



M48107

2. Place spacers (C) and spring (D) in drawbar as shown.

NOTE: Pull up on lock bar while installing bolt. This will help to align the bolt with the hole on the other side of the drawbar.

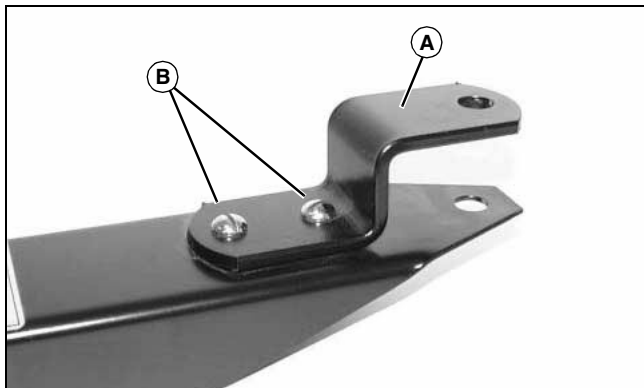


MX17865

3. Install bolt (E) through spacers. Secure with lock nut (F) so lock bar moves forward and backward freely.

ASSEMBLY

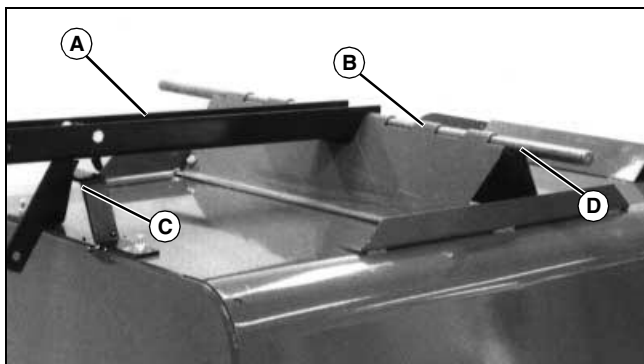
Install Clevis



MX17847

1. Place clevis (A) on cart drawbar.
2. Install two 5/16 x 1 in. round head bolts (B) through clevis and cart drawbar.
3. Fasten with two lock nuts.
4. Tighten nuts.

Install Cart Drawbar and Axle

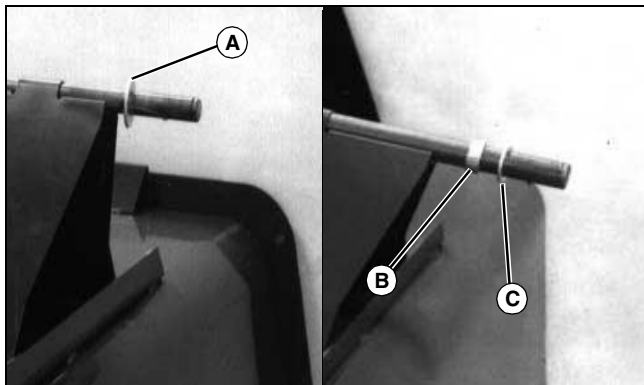


M74849

1. Place drawbar (A) on axle support (B) and lock bracket (C).
2. Slide axle (D) through axle support and drawbar.

Install Cart Wheels

1. Install spacers and washers.

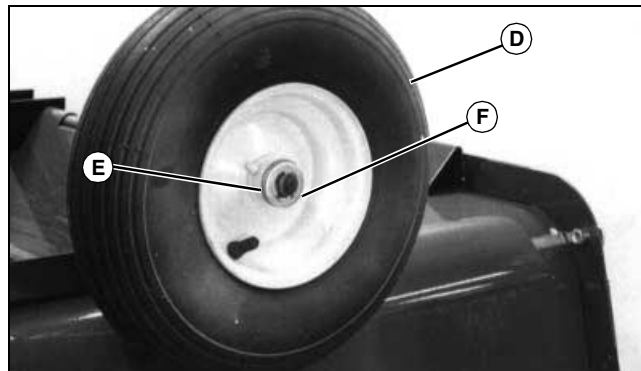


M74866 M74865

- Model 13: Slide one large flat washer (A) on axle. No spacers needed for this model.

- Model 18: Slide one 1/2 in. spacer (B) and one large flat washer (C) on axle.

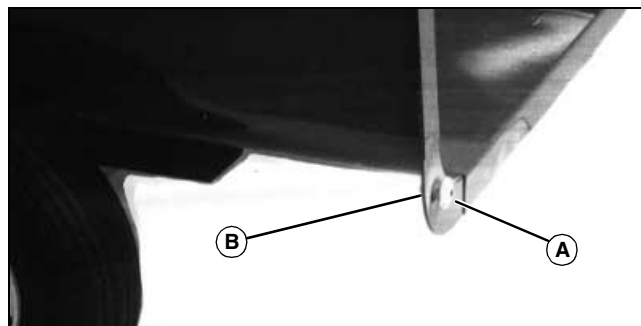
NOTE: Put a dab of grease on each end of axle, before installing wheels. This will make installing wheels on axle easier.



M74852

2. Put one wheel (D) (valve stem to the outside) on axle.
3. Put one large flat washer (E) and one E-ring (F) on axle.
4. Repeat steps for other wheel.
5. Inflate tires to correct tire pressure.
6. Grease wheel bearings with John Deere multipurpose grease or an equivalent.

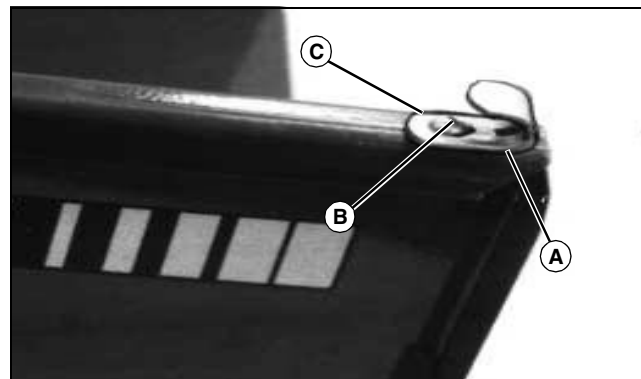
Install Shoulder Bolts



M74853

1. Put one shoulder bolt (A) through cart box rear flange and put one lock nut (B) on bolt.
2. With bolt positioned in center of slot, tighten nut.
3. Repeat above steps for the other side.

Install Lock Brackets



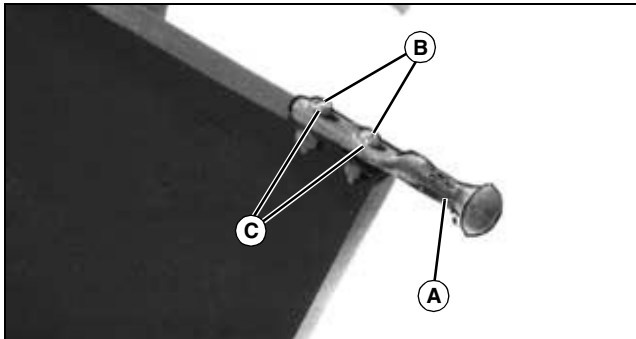
M74854

INSTALLING

1. Put one lock bracket (A) on cart box and install one 1/4 x 3/4 in. round head machine screw (B)
2. Put one lock washer and one hex nut (C) on round head machine screw.
3. Tighten nut.
4. Repeat steps for the other side.

Install Tailgate Pins

NOTE: Make sure groove on tailgate pins is facing up.



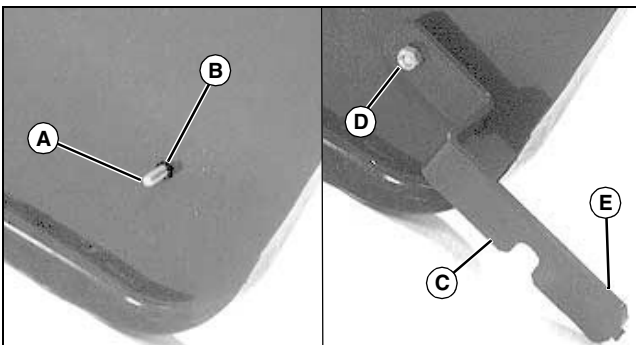
M74855

1. Put one tailgate pin (A) on top of tailgate.
2. Install two 1/4 x 3/4 in. round head machine screws (B) through tailgate pin and tailgate.
3. Install two lock washers, and two hex nuts (C) on round head machine screws.
4. Tighten nuts.
5. Repeat for the other side.

Install Tailgate Latches

NOTE: Make sure rubber O-ring is put between tailgate and tailgate latch.

1. Break tailgate latch at perforation. Smooth edges with a hand file or grinder.



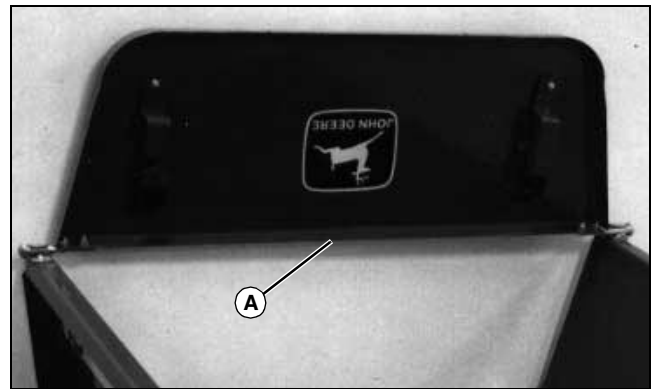
M74856 M74857

2. Put one 1/4 x 3/4 in. round head machine screw (A) through tailgate.
3. Put one rubber O-ring (B) on round head machine screw.
- NOTE:** Make sure notch in latch is facing downward.
4. Put one tailgate latch (C) on round head machine screw.
5. Install one lock nut (D) on round head machine screw.
- NOTE:** Do not overtighten nut. Latch must pivot easily.
6. Tighten nut.

7. Install one vinyl cap (E) on latch.

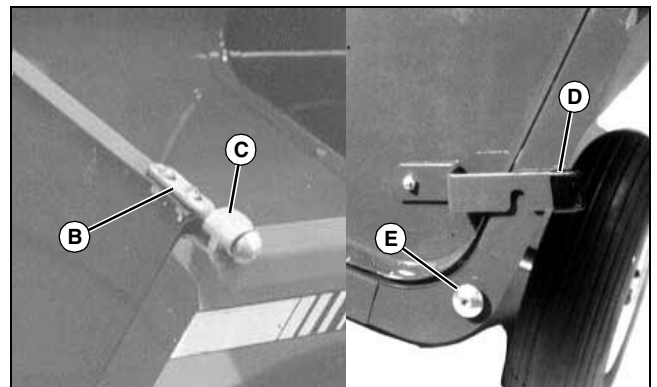
8. Repeat to install other latch.

Install Tailgate On Cart Box



M74868

1. Hold tailgate (A) with notches on tailgate pins in the down position.



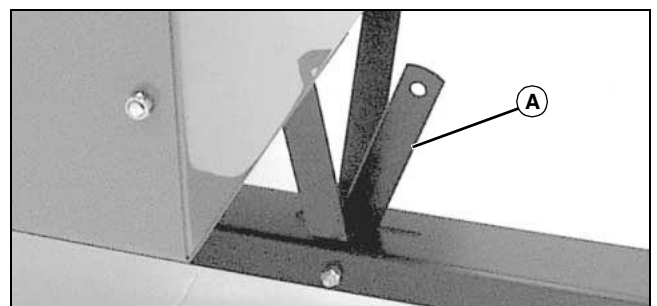
M74859a

2. Slide tailgate pins (B) into lock brackets (C).
3. Swing tailgate down 180°.
4. Push each tailgate latch (D) down onto shoulder bolt (E).

Installing

Installing Cart

CAUTION: Avoid injury! Before installing cart, make sure transport latch is facing toward cart dump lever and dump lever is locked in place.

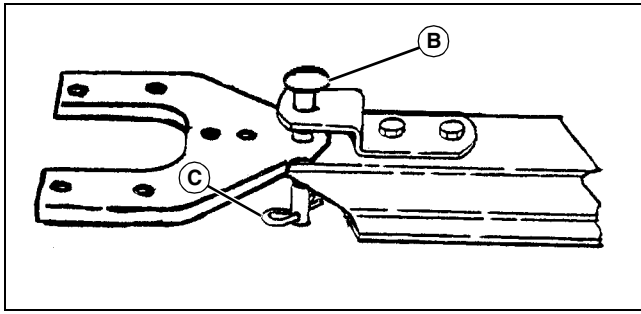


MX17851

1. Lock cart lock bar (A) in place.

REMOVING

2. Park machine safely. (See Parking Safely in the Safety section.)
3. Align cart drawbar with machine drawbar.



MX17843a

4. Install drawbar pin (B) through cart drawbar and machine drawbar.
5. Fasten with cotter pin (C).

Removing

Removing Cart



CAUTION: Avoid injury! Before installing cart, make sure transport latch is facing toward cart dump lever and dump lever is locked in place.

NOTE: Refer to illustrations in the Installing Section, earlier in this manual.

1. Park machine safely. (See Parking Safely in the Safety section.)
2. Unload cart.



CAUTION: Avoid injury! Keep feet away from under drawbar.

3. Remove cotter pin and drawbar pin.
4. Push cart away from machine. Block cart wheels.
5. Install drawbar pin and cotter pin in cart drawbar for storage.

Operating

Determining Weight Limit



CAUTION: Avoid injury! Excessive towed load can cause loss of traction and loss of control on slopes. Stopping distance increases with speed and weight of towed load.

Total towed weight must not exceed combined weight of pulling machine, ballast and operator.

The following maximum loaded cart weight capacities are the average weight of each cart model loaded with dry sand leveled with the top of the cart.

Model Cart	Loaded Weight Capacity
13	501 kg (1105 lb)
18	748 kg (1650 lb)



CAUTION: Avoid injury! If additional weight is required when towing a cart, add weight at or forward of the rear wheels. Adding weight behind the rear wheels can affect machine steering.

Towing cart capacity will vary with weight of towing machine and operator. Add the weight of your machine to operator weight to find the maximum capacity of the towing cart.

With all cart usage, the cart load should be reduced when operating on slopes or slippery surfaces to maintain stability.

Example:

If Towing Machine Weighs: 225kg (500 lb)

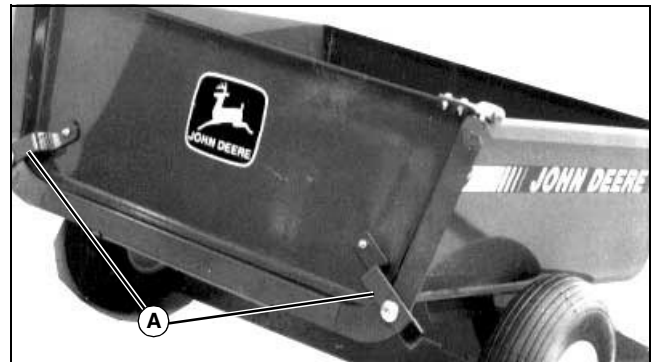
Add Your Weight: 90kg (200 lb)

Combined Weight Equals 315kg (700 lb)

To maintain stability using the cart in this example, you cannot safely carry more than 315 kg (700 lb) without first adding additional ballast to the towing machine.

Using Tailgate

To Raise Tailgate:



M74862a

1. Pull tailgate latches (A) up.
2. Lift tailgate.

To Remove Tailgate:

1. Pull tailgate latches (A) up.
2. Swing tailgate up 180°.
3. Slide tailgate forward to remove.

Unloading Cart

1. Park machine safely. (See Parking Safely in the Safety section.)

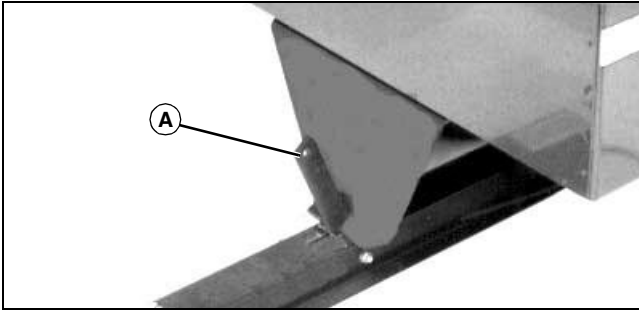


CAUTION: Avoid injury! Before dumping cart:

- Park machine safely.
- Before backing up, make sure area is clear of bystanders, especially children.
- Make sure cart is installed to the towing machine.

2. Pull each tailgate latch up, or remove tailgate.

SERVICE

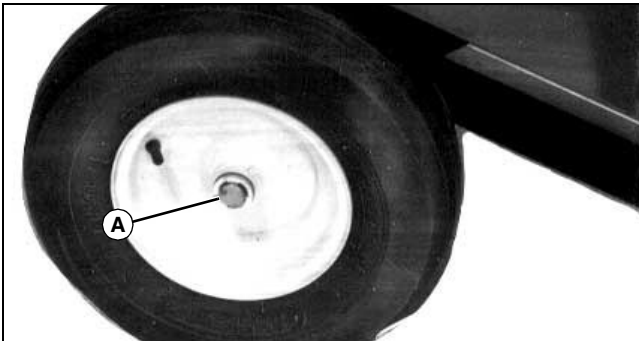


M74836a

3. Move lock bar (A) forward to release box. Unload cart.
4. Push cart down and move lock bar toward cart and lock into place.
5. Push each tailgate latch down and lock over shoulder bolt.

Service

Lubricating Wheel Bearings



M74841

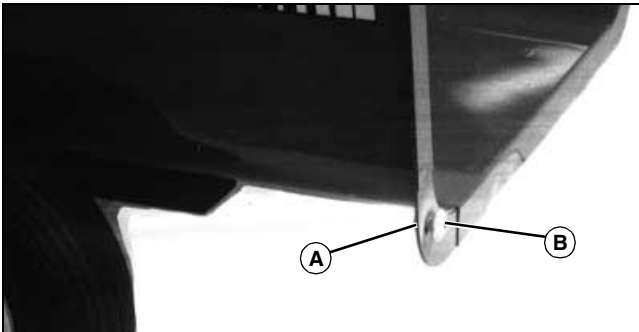
Lubricate each wheel bearing (A) with John Deere multipurpose grease or an equivalent.

Adjusting Shoulder Bolts

NOTE: If tailgate latch does not slide over shoulder bolt, adjust shoulder bolt.

1. Unlatch tailgate latch.

NOTE: Tailgate does not have to be removed to adjust shoulder bolt. Tailgate is removed for photo clarity only.



M74853

2. Loosen nut (A) slightly.
3. Move shoulder bolt (B) in slot until latch will catch on shoulder bolt.
4. Tighten nut.

Specifications

Model 13 Cart

Box Capacity (Heaped)	.37m ³ (13 cu ft)
Maximum Load	454kg (1000 lb)
Maximum Tongue Weight	45kg (100 lb)
Empty Weight	48kg (105 lb)

Tires

Size	15.00x6.00-6
Inflation Pressure	97kPa (14 psi)

Model 18 Cart

Box Capacity (Heaped)	.51m ³ (18 cu ft)
Maximum Load	680kg (1500lb)
Maximum Tongue Weight	45kg (100 lb)
Empty Weight	68kg (150 lb)

Tires

Size	16.00x6.5-8
Inflation Pressure	193kPa (28 psi)

Getting Quality Service

Service Literature

If you would like a copy of the Parts Catalog or Technical Manual for this machine call:

- **U.S. & Canada:** 1-800-522-7448.
- **All Other Regions:** Your John Deere dealer.

Parts

We recommend John Deere quality parts and lubricants, available at your John Deere dealer.

When you order parts, your John Deere dealer needs the serial number or product identification number (PIN) for your machine or attachment. These are the numbers that you recorded in the Product Identification section of this manual.

Order Service Parts Online

Visit <http://JDParts.deere.com> for your Internet connection to parts ordering and information.

John Deere Quality Continues with Quality Service

John Deere provides a process to handle your questions or problems, should they arise, to ensure that product quality continues with your John Deere dealer's parts and service support.

Follow the three steps below to get answers to any questions you may have about your product.

1. Refer to your attachment and machine operator manuals.
2. Contact your John Deere dealer with unanswered questions.
3. Call the John Deere Customer Communications Center.

- Call 1-800-537-8233 and provide product serial number and model number.