Introduction

Using Your Operator’s Manual

Read this entire operator’s manual, especially the safety information, before operating.

This manual is an important part of your machine. Keep all manuals in a convenient location so they can be accessed easily.

Use the safety and operating information in the attachment operator’s manual, along with the machine operator’s manual, to operate and service the attachment safely and correctly.

If your attachment manual has a section called Preparing the Machine, it means that you will have to do something to your tractor or vehicle before you can install the attachment. The Assembly and Installation sections of this manual provide information to assemble and install the attachment to your tractor or vehicle. Use the Service section to make any needed adjustments and routine service to your attachment.

If you have any questions or concerns with the assembly, installation, or operation of this attachment, see your local John Deere dealer.

Warranty information on this John Deere attachment can be found in the warranty statement included in this manual.

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Product Compatibility

This lawn sweeper is designed for use with lawn and garden tractors only.

Read Safety in Machine Operator’s Manual

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

Operate Safely

• 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. Do not tow at speeds higher than maximum recommended towing speed.
• Towing speed should always be slow enough to maintain control. Travel slowly over rough ground.
• 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.
• Check machine brake action before you operate. Adjust or service brakes as necessary.
• Keep all nuts and bolts tight to be sure the equipment is in safe working condition.
• Keep all parts in good condition and properly installed. Fix damage immediately. Replace 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.
• Do not obstruct the operator’s view during use.

Parking Safely

• Stop vehicle on a level surface, not on a slope.
• Lock park brake.
• Stop engine.
• Remove key.
• Before you leave the operator’s seat, wait for engine and all moving parts to stop.
• Disconnect the negative battery cable or remove the spark plug wires (for gasoline engines) before servicing the machine.

Original instructions. All information, illustrations and specifications in this manual are based on the latest information available at the time of publication.

The right is reserved to make changes at any time without notice.
Safety

Towing Loads Safely

- Stopping distance increases with speed and weight of towed load. Travel slowly and allow extra time and distance to stop. 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 bystander away when you operate a towed attachment.

- Before you back machine and attachment, look carefully behind attachment for bystanders.

Keep Riders Off Towed Attachment

- Keep riders off of a towed attachment.

- Riders on a towed attachment are subject to injury, such as being struck by objects and being thrown off the attachment during sudden starts, stops and turns.

- Rider obstruct the operator’s view, resulting in the attachment being used in an unsafe manner.

- Keep riders off of hitch bracket.

Avoid Injury From Drawbar

- Before you disconnect and attachment from machine hitch plate:

  - Unload attachment.

  - Stop attachment on level ground.

  - Stop machine engine.

  - Lock machine park brake

  - Block attachment wheels.

  - Make sure hands, feet or other body parts are not under drawbar.

Wear Appropriate Clothing

- Always wear eye protection when operating the machine.

- Wear close fitting clothing and safety equipment appropriate for the job.

- While operating this machine, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.

- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.
# Assembly

## Parts in Carton

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## Assembly

### Parts Bag Contents

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Assembly

Assembly Step 1
1. Attach the drawbar (8) and both drawbar brackets (1) to the sweeper using a 3/8 x 2-1/4" clevis pin (15) and 3/32" hair pin (17).

Assembly Step 2
1. Attach the drawbar and drawbar brackets to the sweeper using two 5/16 x 3" carriage bolts (20), 3/4" spacers (24), and wing knobs (32).

Assembly Step 3
1. Attach the handle holder (2) to the drawbar and drawbar brackets using a 3/32" hair pin (17).

Assembly Step 4
1. Attach the bag arms (12) to the sweeper housing using four 3/8 x 2-1/4" clevis pins (15) and 3/32" hair pins (17).
Assembly

Assembly Step 5
1. Assemble a pivot rod support bracket (28) and pivot rod retainer (29) to each bag arm.

Assembly Step 6
1. Press a compression spring (35) into the end of each pivot rod retainer.

Assembly Step 7
1. Install a rear hopper tube (5) onto the ends of the two lower hopper tubes (13). Secure them with two 1/4 x 1.11" clevis pins (18) and 3/32" hair pins (17).

Assembly Step 8
1. Install a rear hopper tube (5) onto the ends of the two upper hopper tubes (14). Secure them with two 1/4 x 1.11" clevis pins (18) and 3/32" hair pins (17).
Assembly

Assembly Step 9
1. Attach the upper and lower bag frame together using two 3/8 x 1/2" clevis pins (22) and 3/32" hair pins (17).

Assembly Step 10
1. Slide the bag frame into the hopper bag (10).

Assembly Step 11
1. Slide the bag frame tube (4) through the front flap of the hopper bag.

Assembly Step 12
1. Insert the hopper support rods (3) into the holes of the upper hopper tube. Then, flex and insert the rods into the holes in the bottom rear hopper tubes.
Assembly

Assembly Step 13
1. Secure the bag frame tube to the lower hopper tubes using two 1/4 x 1.11" clevis pins (18) and 3/32" hair pins (17)

Assembly Step 14
1. Snap the sides of the hopper bag to the bottom of the hopper bag at the front corners.

Assembly Step 15
1. Starting from the bottom of the bag, secure the hopper bag to the sides of the bag frame using the velcro straps (1, 2 and 3). Secure the bag to the top of the hopper frame using the tie straps (4).

Assembly Step 16
1. Assemble the upper handle tube (11) to the lower handle tube (9) using a 1/4 x 1" bolt (16) and knob (31). Then, assemble the handle grip (27) to the lower handle tube (9).
Assembly

Assembly Step 17

1. Attach the upper handle tube to the rear hopper tube using a U-clamp (30), 5/16 x 1-1/4" clevis pin (19), and .08 x 1-1/8" hair cotter pin (23).

Assembly Step 18

1. Insert the bolts on the sweeper bag into the pivot rod retainers on the bag arms.

Assembly Step 19

1. Measure the height of your tractor’s hitch.

Assembly Step 20

1. Arrange the hitch brackets (6,7) according to the height of your tractor’s hitch. Assemble the hitch brackets to the drawbar using two 5/16" x 2-1/2" hex bolts (25) and 5/16" nylock nuts (26).

2. Assemble the hitch pin (33), the two spacers (34), and the hair cotter pin (21) to the hitch brackets.
Installing

**Installing Step 1**

1. Attach the sweeper hitch to the tractor hitch. The spacers can be arranged in three possible ways to make the sweeper drawbar as level as possible.

![Diagram showing different arrangements of spacers.]

**Installing Step 2**

1. After the sweeper is attached to the tractor, adjust the sweeper brush height by removing the pin in the height adjustment lever, and moving the lever to the desired setting. Brush penetration of approximately 1/2” down into the grass usually provides the best results.
Operation

Using The Offset Hitch

1. Offset the drawbar to either side if desired. Loosen the two knobs on the drawbar brackets, slide the drawbar to the end of the drawbar tube and retighten the knobs.

Adjusting the brush height for sweeping

1. Set the brushes to penetrate approximately 1/2” down into the grass for most conditions.

CAUTION: Maximum towing speed is 6 m.p.h. Driving too fast may cause damage to wheels and bearings.

Dumping the hopper bag

Never attach dump handle to tractor or any part of your body. Always keep it secured to the sweeper while tractor is moving. If any part of dump handle should become damaged, stop use of sweeper and replace the damaged part.

1. To empty the hopper bag, stop the tractor, turn off the engine, and pull forward on the dump handle.

2. Avoid overfilling the hopper bag, especially when sweeping freshly mowed grass or other moist material. Extremely heavy loads will be difficult to dump.

IMPORTANT: Keep sweeper away from fire. Excessive heat can damage the brushes and hopper bag and could cause the bag and its contents to burn.

Towing the sweeper

1. Tow the sweeper at approximately 3 m.p.h., adjusting the speed according to conditions to obtain the best results. Do not exceed 6 m.p.h. maximum speed.

Adjusting the brush height for transporting

1. Remove the pin and move the height adjustment handle to the “T” position. Replace the pin.

2. Use the transport setting when moving across pavement or areas you do not want to sweep. Do not exceed 6 m.p.h. maximum speed.

Removing and Storing

Cleaning the sweeper

1. Clean the sweeper housing with a soft brush or cloth.

2. Clean debris from the hopper bag with a brush or broom. Leaving debris in

3. Remove any debris that has wrapped around the brushes or the ends of the brush shaft.

CAUTION: Never store the sweeper without emptying the hopper bag. Spontaneous combustion could occur.
Service and Troubleshooting

General Maintenance
Lubricate the wheel bearings once a year. Remove hub cap and apply a few drops of light oil.
Lubricate the brush shaft bearings twice a year with a few drops of oil.
Clean and lubricate ratchet gears and wheel gears every two years. Do not remove both wheels at the same time; parts are not interchangeable.
- Remove hub cap (1), bolt (2), washer (3), wheel (4), step spacer (8), and nut (9) from axle.
- Remove snap ring (5), ratchet gear (6), and drive pin (7) from brush shaft.
- Clean brush shaft, drive pin, and outer teeth and inner teeth on ratchet gear.
- Lightly grease brush shaft and install ratchet gear (6), drive pin (7) and snap ring (5). Pin must move freely in shaft.
- Fill inside of ratchet gear with grease and lightly grease outer teeth.
- Clean gear teeth on wheel and apply a light coat of grease.
- Lightly grease axle and install wheel (4), washer (3), bolt (2), step spacer (8), nut (9), and hub cap (1).

Note: Brushes should only move during forward rotation. If brushes rotate in both directions, drive pin is jamming the ratchet gear. Disassemble and make sure drive pin moves freely.

Replace the Brushes
- Remove grass bag. Only loosen bolt and nut on the single brush retainers (1). Do not loosen double brush retainer (2).
- Note which side of brush the bristles overlap (3). Slide brush out.
- Install new brush with bristles overlap (3) as before.

Troubleshooting
Wheels skid when sweeping
- Brushes set too low - Adjust height till brushes are 1/2" down into grass.
- Brushes are jammed - Stop sweeper. Remove obstruction
- Wheels are jammed - Remove one wheel at a time to check for obstruction or damage. Refer to Maintenance section.

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 quality parts and service support.

Follow the steps below to get answers to any questions you may have about your product.
1. Refer to your attachment and machine operator manuals.
2. In North America or Canada, call Agri-Fab, Inc. Customer Service at 1-800-448-9282 and provide product serial number (if available) and model number.
Repair Parts
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**Repair Parts**