

3-Bag Material Collection System (MCS): 50 & 55 Series Tractors



JOHN DEERE

OPERATORS MANUAL

3-Bag Material Collection System
(MCS): 50 & 55 Series Tractors

OMM77710 Issue E8 English

John Deere Horicon Works
OMM77710 Issue E8
(This manual replaces OMM77710 Issue B8)

LITHO IN U.S.A.
ENGLISH



Introduction

Thank you for purchasing a John Deere product.

Read this manual carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage.

This manual should be considered a permanent part of your machine and should remain with the machine when you sell it.

Measurements in this manual are U.S. customary units and their metric equivalents.

Right-hand and left-hand sides are determined by facing in the direction of forward travel.

Write identification numbers in the specifications section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. If this manual is kept on the machine, also file the identification numbers in a secure place off the machine.

Warranty is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

Part numbers may differ outside of U.S. See your John Deere dealer.



All information, illustrations and specifications in this manual are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.

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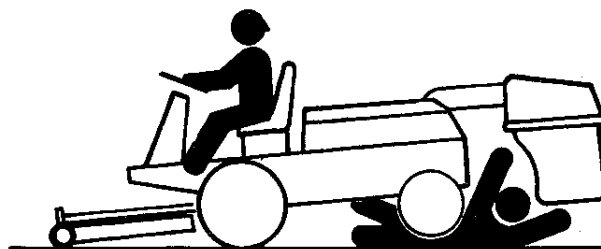
Safety

SAFETY TIPS

1. Allow only operator on tractor. Keep riders off.
2. Use MCS safely:
 - Stop tractor engine and Power-Pak engine before you empty MCS.
 - Keep all chutes and hoses in place.
 - Lower MCS to ground when not in use.
 - Empty MCS before transporting
 - Empty bags at end of each day.
 - Do not use MCS unless it is attached to tractor.
3. Do not modify machine. Unauthorized modifications may impair function and/or safety and affect machine life.

PROTECT CHILDREN

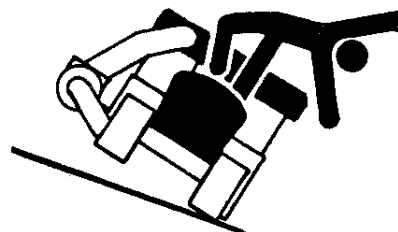
- Before you back: Look behind for children.
- Do not let children ride on tractor or MCS.



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AVOID TIPPING

- Slow down before you make turns.
- Do not use MCS near ditch or bank.
- Avoid holes, rocks or roots.
- Drive up and down—not across—slopes.
- Avoid parking on slopes.
- On slopes: empty bags when half full.



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AVOID INJURY FROM THROWN OBJECTS

- Clear work area of objects that may be thrown.
- Keep bystanders out of work area.
- Stop tractor and Power-Pak engines before you empty MCS.
- Keep all shields, chutes and hoses in place.



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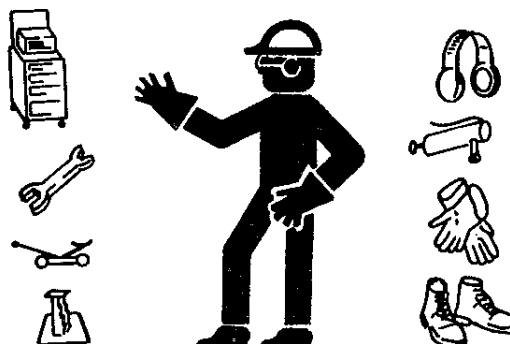
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WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

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

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

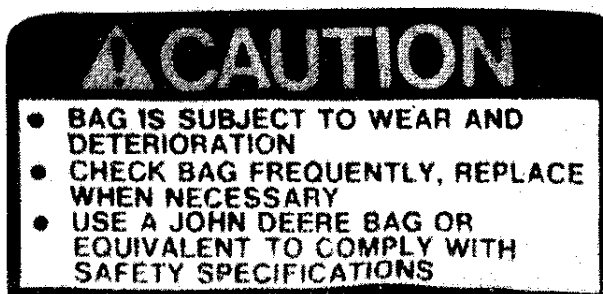


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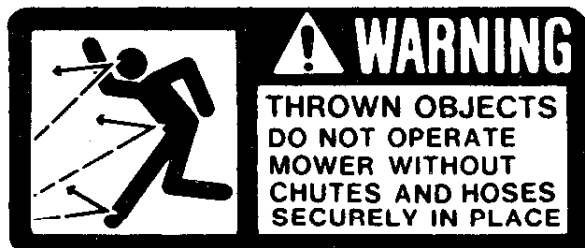
FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Follow recommended precautions and safe operating practices.

Keep safety signs in good condition. Replace missing or damaged safety signs.



On Bags



On Top of Mower Boot



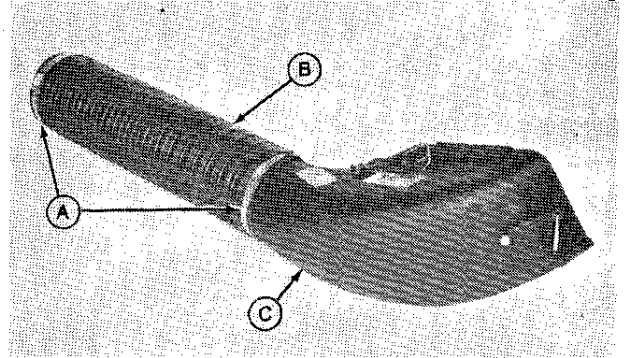
On Top of Hopper

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Installation/Removal

ASSEMBLING MCS

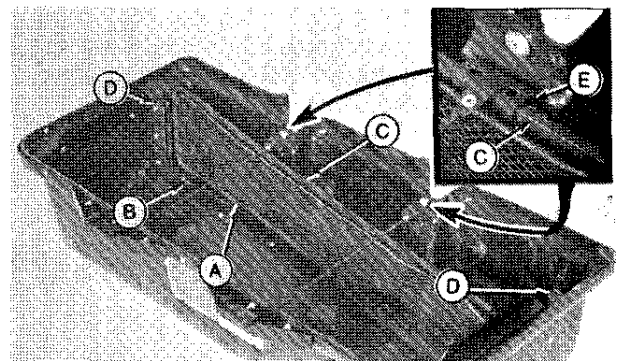
1. For 50-in. mower, cut hose to 46 in. (1170 mm). For 60-in. mower, use hose as is.
2. Put clamps (A) on hose (B).
3. Put hose on boot (C) and fasten it with clamp.



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4. Install screen (A) in hopper top:

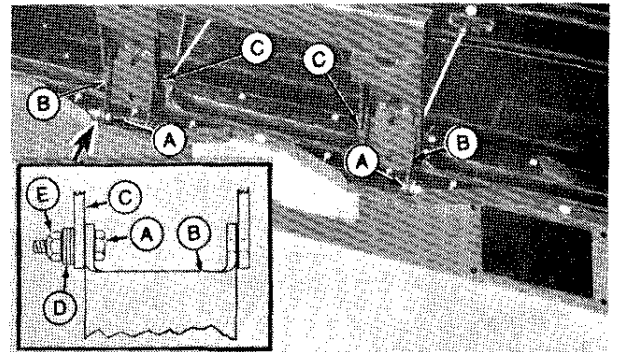
- Put screen (A) behind flange (B). Put flat side of plastic edge (C) toward front of hopper top.
- Slide screen frame into channels (D).
- Twist plastic edge (C) into retainers (E).



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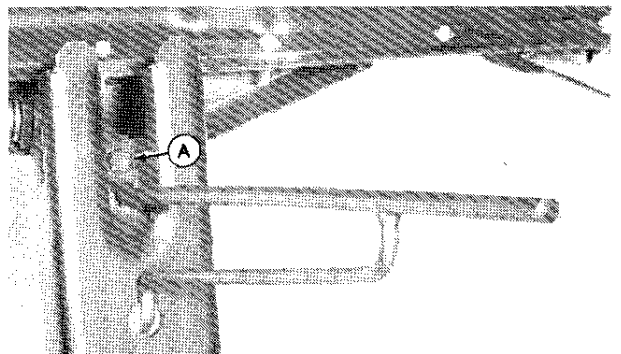
5. Fasten hopper top to support:

- Put 5/16 x 1 in. cap screws (A) through hopper supports (B) and hinges (C). Put cap screws through from inside.
- Put four spring washers (D) on cap screws. Cup sides of washers must face hinge.
- Fasten cap screws with lock nuts (E).



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6. Install two latch retainers on support. Fasten retainers with 5/16 x 1-in. screw (A), 0.344 x 1 x 0.134-in. washer, and lock nut. Washer must be between lock nut and support. Tighten lock nuts.

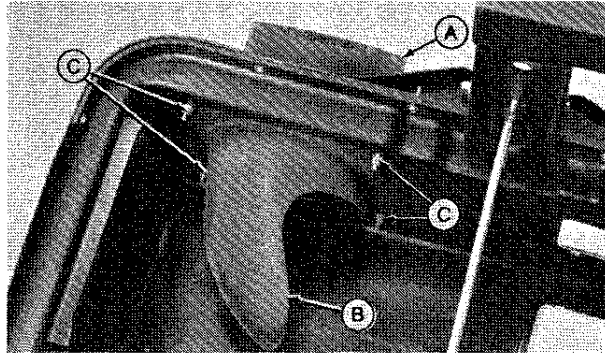


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Installation/Removal

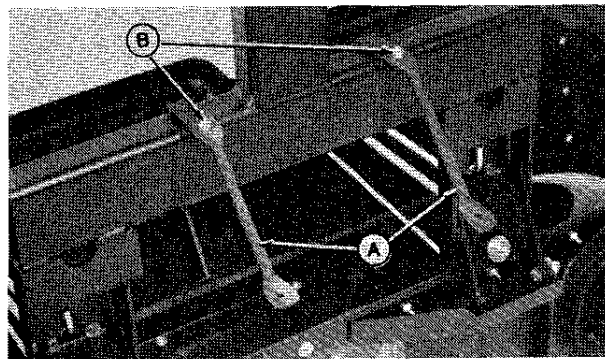
7. Install inlet chute (A) in hopper top from outside. Internal opening (B) must face center of hopper top.

8. Fasten inlet chute with four M6 x 35 flanged cap screws (C), eight washers and flanged lock nuts. Put four washers under heads of cap screws and four washers under lock nuts.



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9. Fasten tie rods (A) to frame with M6 x 16 cap screws and lock nuts (B). Tighten lock nuts until 2 or 3 threads are exposed. Tie rods must pivot freely.



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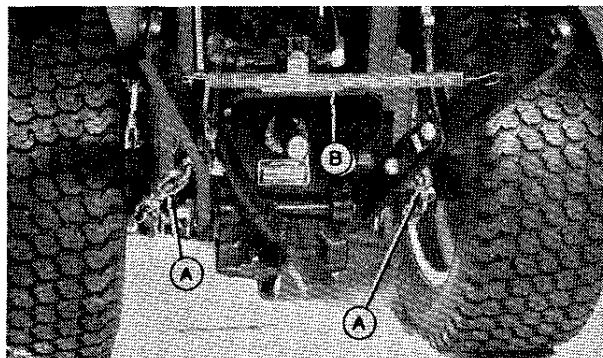
TRACTOR REQUIREMENTS

1. Tractor must have Category 1, 3-point hitch.
2. 655, 755 and 855 Tractors must have mid-rockshaft hydraulic cylinder. This prevents MCS from raising and lowering every time you raise or lower mower.
3. 650 and 750 Tractors require 3-point hitch with chain leveling kit.
4. Install minimum of three front weights to maintain steering control and stability.
5. Tractor must have 50 or 60 in. mower.

INSTALLING MCS

NOTE: Put 3-point hitch in no-float before you install 3-bag frame.

1. Remove sway chains (A) and spring (B) from draft links.



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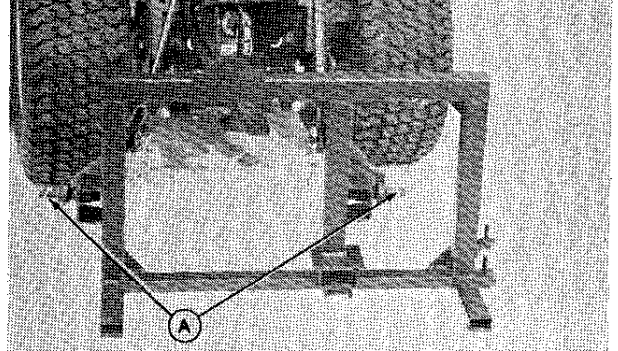
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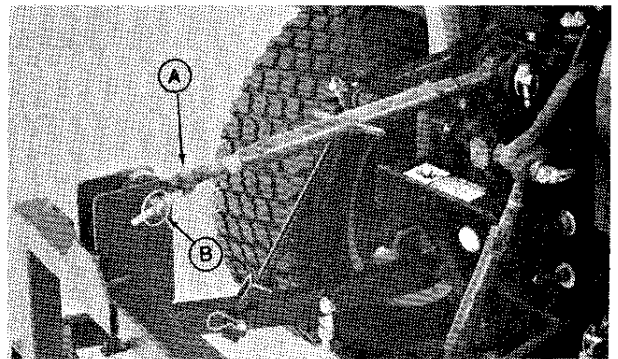
Installation/Removal

2. Lower 3-point hitch fully with tractor rockshaft lever.
3. Fasten frame pins to draft links with quick-lock pins (A).



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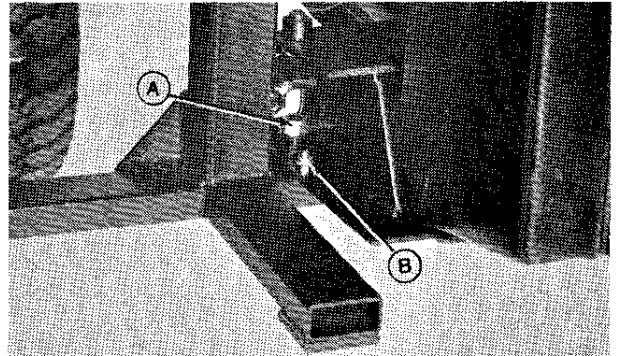
4. Loosen locking nut (A) on tractor center link.
5. Adjust center link until you can fasten it to frame with pin and quick-lock pin (B).
6. Connect sway chains to draft links. Adjust turnbuckles on sway chains until 3-point hitch has no side sway. See Step 1.



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7. Install Power-Pak:

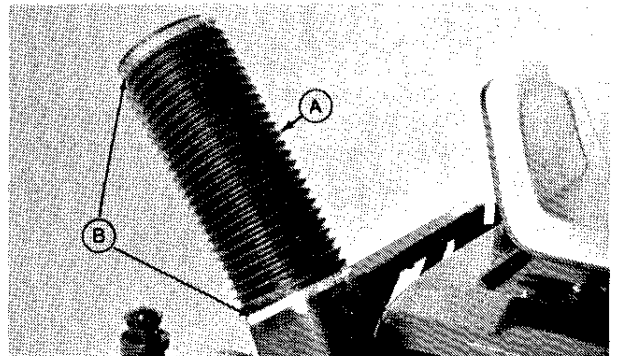
- Put Power-Pak on frame stud and fasten it loosely with nut (A).
- Raise frame slightly with tractor rockshaft lever.
- Install shear-bolt (B) and fasten it with lock nut. Tighten nut (A).



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8. Install boot (A):

- Put hose clamps (B) on boot.
- Install boot on blower chute and fasten it with clamp.



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