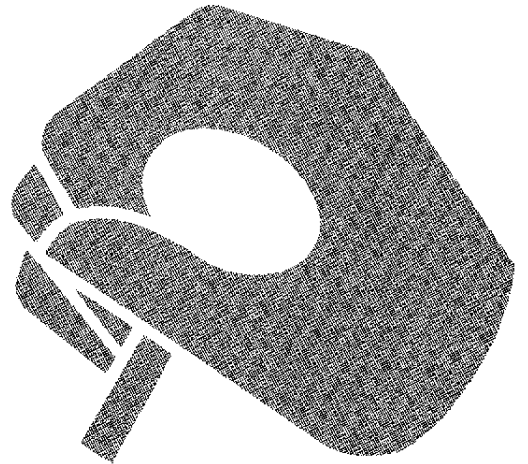


**3-Bag Material
Collection System
(MCS):
Front Mowers**

**OPERATORS
MANUAL**



**John Deere Horicon Works
OM-M77709 Issue May 88
(This manual replaces M77709 Issue Feb 88)**

LITHO IN U.S.A.

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.

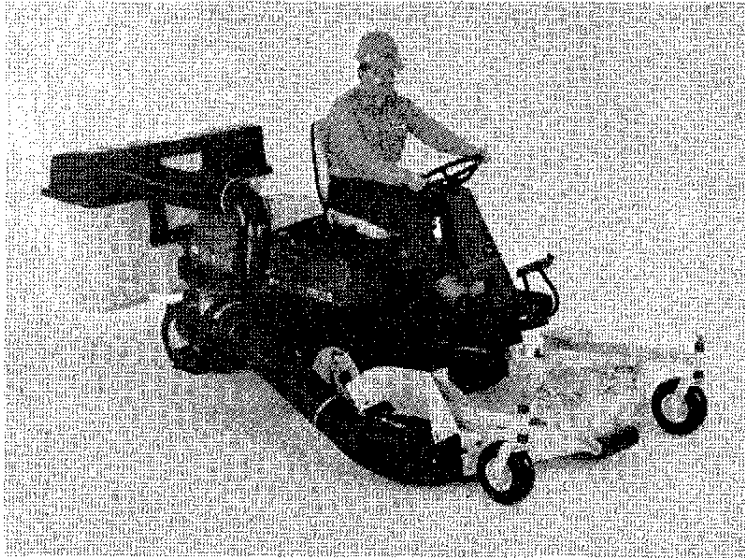
Right-hand and left-hand sides are determined by facing in the direction of forward travel.

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 Front Mower. Keep riders off.

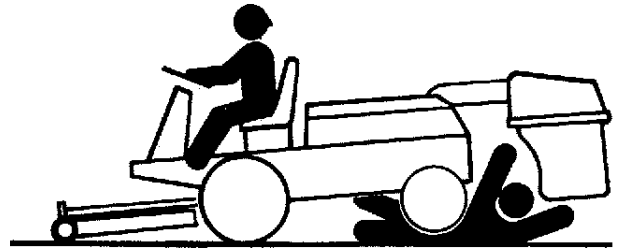
2. Use MCS safely:

- Stop Front Mower engine and Power-Pak engine before you empty MCS.
- Keep all chutes and hoses in place.
- Empty MCS before transporting
- Empty bags at end of each day.
- Do not use MCS unless it is attached to Front Mower.

3. Do not modify machine. Unauthorized modifications may impair function and/or safety and affect machine life.

PROTECT CHILDREN

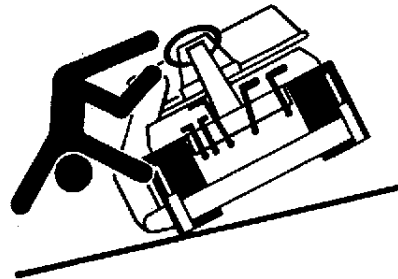
- Before you back: Look behind for children.
- Do not let children ride on Front Mower or MCS.



M61002

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.



M61003

AVOID INJURY FROM THROWN OBJECTS

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



M41423

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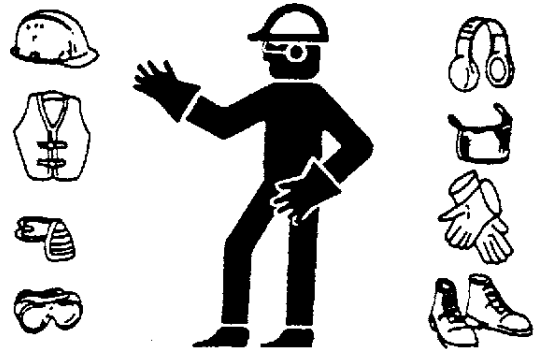
<https://www.ebooklibonline.com>

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.

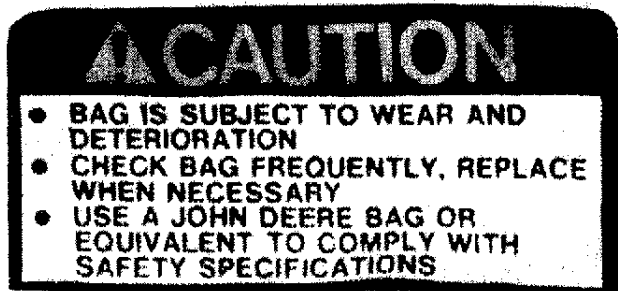


TS206

FOLLOW SAFETY INSTRUCTIONS

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

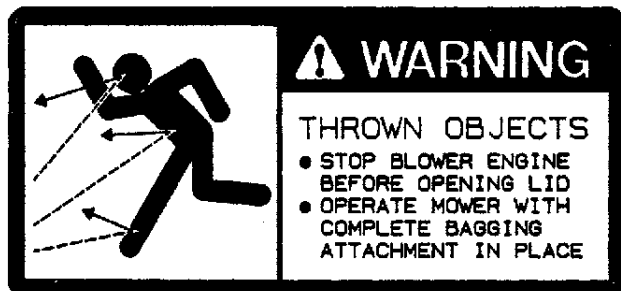
Keep safety signs in good condition. Replace missing or damaged safety signs.



On Bags



On Top of Mower Boot



On Top of Hopper

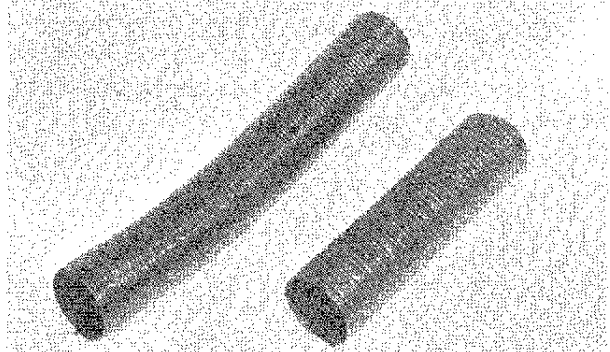
M61004

Installation/Removal

INSTALL HOSE ON BOOT

1. For 50-Inch Mower, cut shorter hose to 21 in. (535 mm).

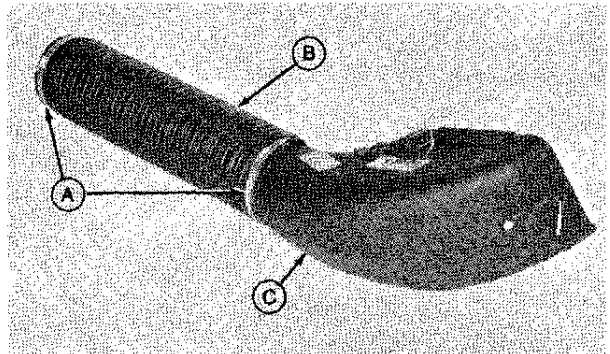
For 60-Inch Mower, use shorter hose as is.



M43146

2. Put clamps (A) on short hose (B).

3. Slide hose on boot (C). Do not tighten clamps.



M43147

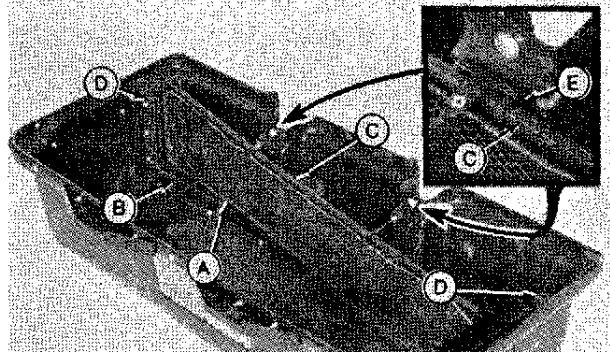
ASSEMBLING MCS

1. To install screen (A) in hopper top:

—Put screen 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).



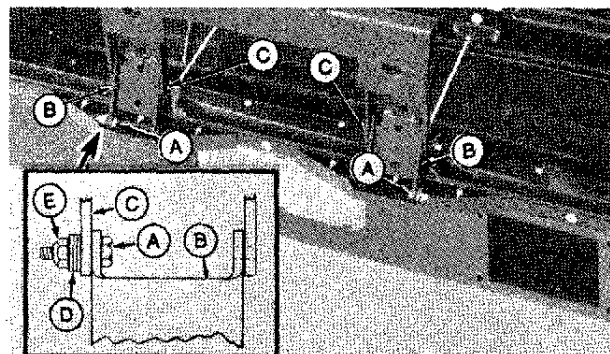
M61005

2. 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.

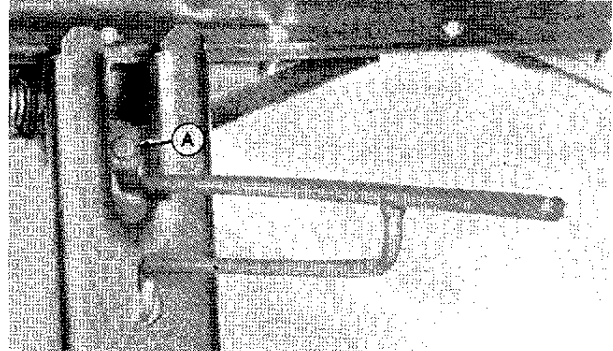
—Fasten cap screws with lock nuts (E).



M61006

Installation/Removal

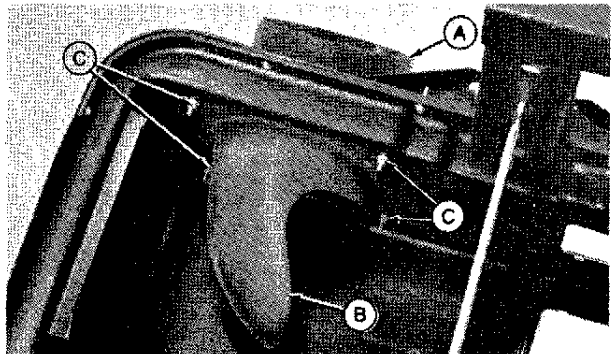
3. Install two latch retainers on support. Fasten retainers with 5/16 x 1-in. screw (A), 0.344 x 1 x 0.134-in. washer, and lock nut. Washer must be between lock nut and support. Tighten lock nuts.



M43152

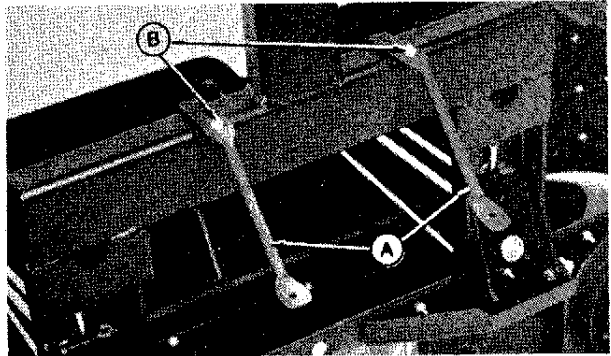
4. Install inlet chute (A) in hopper top from outside. Internal opening (B) must face center of hopper top.

5. 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.



M40643

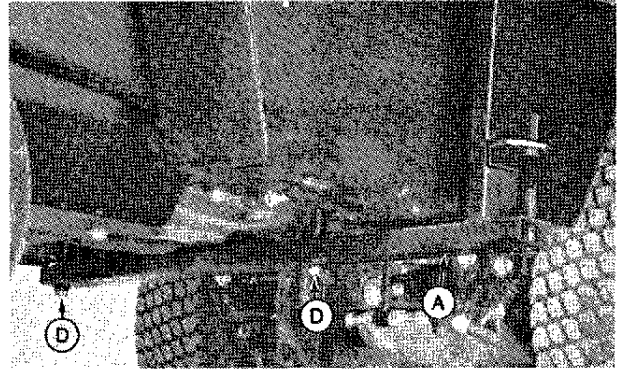
6. Fasten tie rods (A) to frame with M6 x 16 cap screws and lock nuts (B). Tighten lock nuts until 2 or 3 threads are exposed. Tie rods must pivot freely.



M40644

INSTALLING MCS

1. Install bracket (A) on frame. Use holes (B and C). Fasten bracket with two M12 x 90 cap screws (D) and lock nuts.

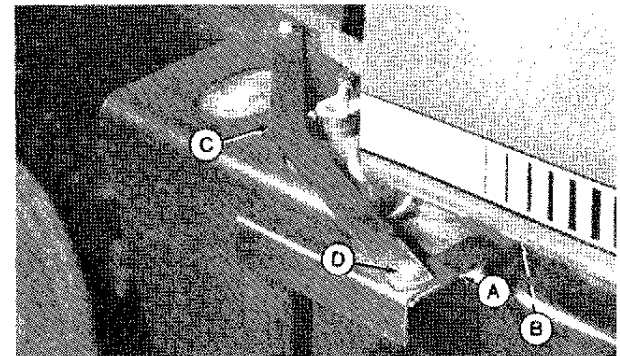


M40450 / M43101

2. Install strap (A) from frame stud (B), (second stud from top front of fuel tank shield) to bottom of bracket.

3. Install brace (C) from frame stud to top of bracket.

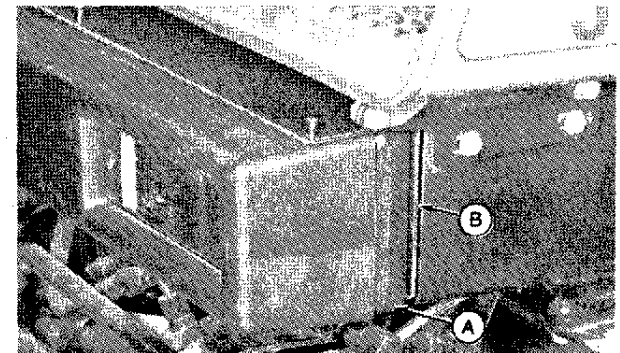
4. Fasten brace and strap to bracket with M8 x 20 cap screw (D) and crown lock nut.



M43102

5. Mowers with plastic bumpers: Install L-bracket (B) between frame and first cast-iron weight (A).

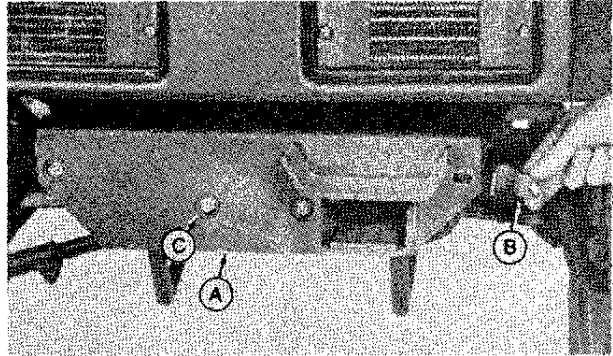
Mowers with cast-iron bumpers: Install L-bracket (B) between frame and bumper.



M40451

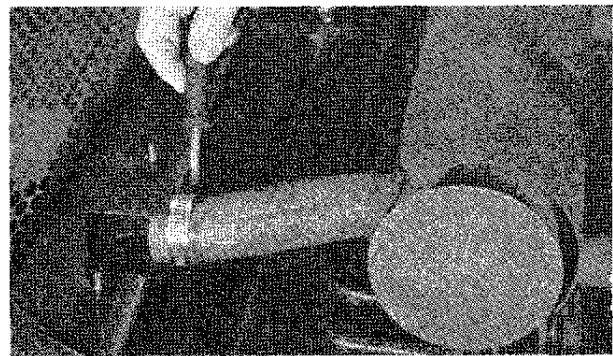
Installation/Removal

6. Install bracket (A) to steering cylinder guard with four clamps (B). Fasten it with M8 x 20 round-head cap screws, M8.4 x 25 x 2 washers, and crown lock nuts (C).



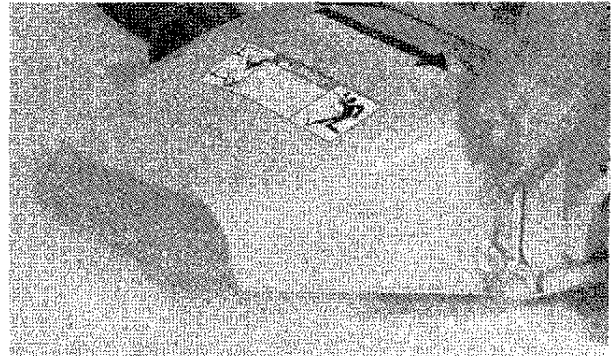
M43104

7. Install clamp and exhaust deflector on tail pipe. Fasten deflector with clamp.



M43105

8. Clean grass and dirt from underside of mower deck.
9. Remove two cap screws holding discharge chute.

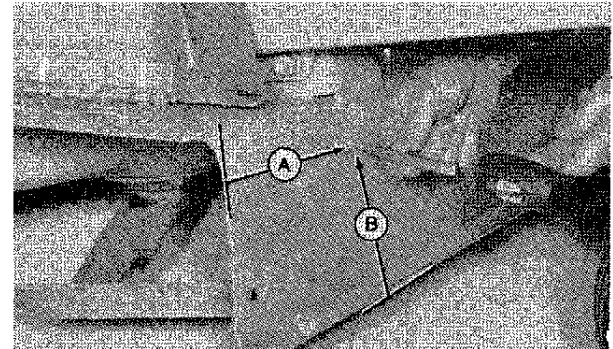


M40460

10. Tape chute up.

11. Mark location of inside hole for latch:
—For 50-inch mower, measure over (A) 5-5/16 in. (150 mm) and up (B) 4-3/8 in. (110 mm).
—For 60-inch mower, measure over (A) 6-1/2 in. (165 mm) and up (B) 6 in. (150 mm).

12. Punch and drill hole. Use No. 7 or 5 mm (7/32-in.) bit.



M43107



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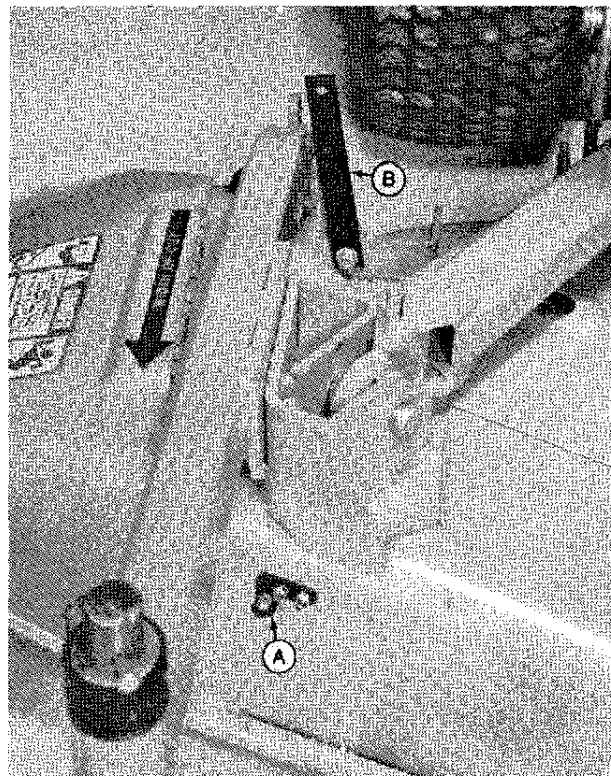
Installation/Removal

13. Install latch (A) on 60-inch mower deck as shown. (For 50-inch mower deck turn latch 180 degrees.) Fasten it with a No. 10 x 0.625 in. cap screw and lock nut.

14. Use latch as template to punch and drill outside hole.

15. Install second No. 10 x 0.625 in. cap screw and lock nut. Tighten both lock nuts.

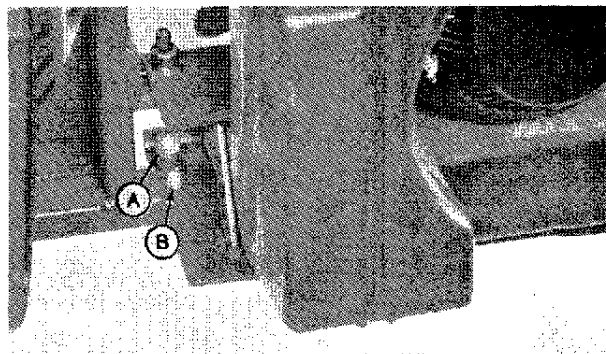
16. Install strap (B) on 60-inch mower deck.



M40452

17. Put Power-Pak on frame stud. Fasten it loosely with nut (A).

18. Install shear bolt (B) and fasten it with lock nut. Tighten nut (A).

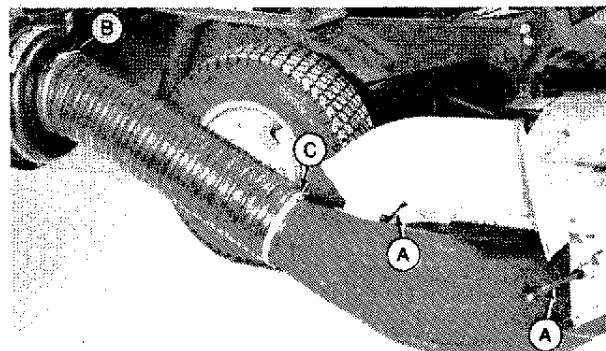


M40453

19. Install boot to mower deck. Fasten it with straps (A). (50-Inch Mower has one strap.)

20. Install hose to blower housing. Fasten it with clamp (B).

21. Tighten clamp (C).



M43110

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