

**Snowblower**  
**for 4200, 4300, 4400 and 790**  
**Compact Utility Tractors**  
**59-Inch** Serial No. (070001 -)



# **OPERATOR'S MANUAL**

**John Deere**  
**Worldwide Commercial And**  
**Consumer Equipment Division**  
**OMM137705 C9**

North American  
Litho in U.S.A.

English

# INTRODUCTION

## **THANK YOU** for purchasing a John Deere product.

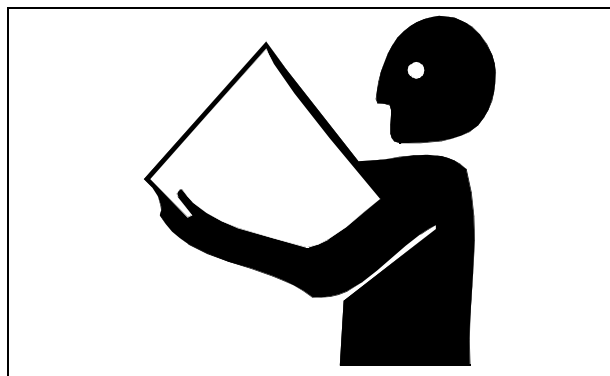
Read this manual and your tractor manuals thoroughly. Failure to do so could result in personal injury or equipment damage.

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

Product 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 product warranty is explained on the warranty certificate you received from your dealer.

Measurements in this manual are metric units and their U.S. customary equivalents. RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will travel when going forward. When you see a broken line arrow (----->), it indicates the part it is pointing to is hidden.

Record identification numbers below. Be sure to record all the numbers to help in tracing the machine if it is stolen. You also need to give these numbers to your dealer when you order parts.



**DATE OF PURCHASE:**

\_\_\_\_\_

**DEALER NAME:**

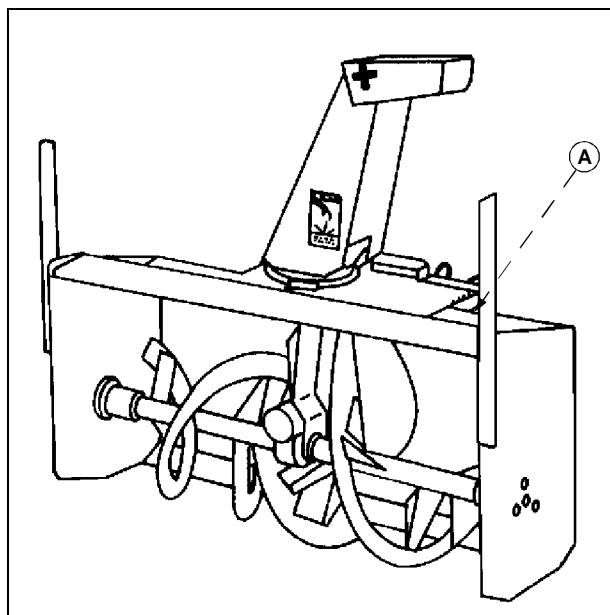
\_\_\_\_\_

**DEALER PHONE:**

\_\_\_\_\_

**SERIAL NUMBER (A):**

-----



---

---

# TABLE OF CONTENTS

---

---

Safety Signs .....	1
Preparing Vehicle .....	3
Installing .....	5
Removing .....	11
Operating Machine .....	16
Service Machine Safely .....	23
Service .....	25
Troubleshooting .....	36
Storing Attachments .....	37
Assembly .....	38
Specifications .....	42
Index .....	43
John Deere Service Literature .....	45

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

COPYRIGHT© 1999  
Deere & Co.  
John Deere Worldwide Commercial and  
Consumer Equipment Division  
Horicon, WI  
All rights reserved  
Previous Editions  
COPYRIGHT© 1998

OMM137705 C9

**<https://www.ebooklibonline.com>**

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**

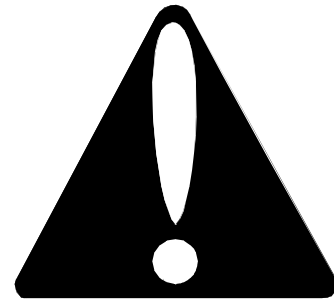
# SAFETY SIGNS

## Safety-Alert Symbol

Read and recognize safety information. Be alert to the potential for personal injury when you see this safety-alert symbol.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards. In this manual, the word CAUTION and this symbol call attention to safety messages.

Keep safety signs in good condition. You can buy safety signs from your John Deere dealer.



## Machine Safety Labels

### CAUTION:

**Avoid Injury From Loss Of Braking Or Steering.**

- Install Ballast Per Operator's Manual.



### DANGER:

**Avoid Injury From Rotating Auger.**

- Keep Hands, Feet and Clothing Away.



## SAFETY SIGNS

### DANGER:

Rotating Blower: Shut Off Engine Before Unclogging Discharge Chute.



### WARNING:

Thrown Objects

- Read Operator's Manual.
- Keep All Shields In Place.
- Keep Bystanders A Safe Distance Away.



# PREPARING VEHICLE

---

## Preparing the Tractor

### Tractor Requirements

Tractor must be equipped with the following options to complete installation of the snowblower:

- BM19575 Front Hitch Kit (4000 series tractors).
- BM16855 Front Hitch Kit (790 series tractor).
- BM19576 Mid Drive Shaft (4000 series tractors).
- BM16856 Front PTO Kit (790 series tractor).
- BM19997 Orifice Kit (790 series tractor).
- Mid PTO Gear Kit.
- Dual Selective Control Valve.
- Rear Wheel Ballast required.
- Must have tires set in the narrow position. Even in this position, some tire widths may exceed snowblower width.

### Tractor Ballasting Requirements



**CAUTION: Help avoid personal injury or machine damage. Proper ballast is required for safe operation of snowblower and tractor.**

Choose one of three ballast methods:

1. Install maximum rear wheel weights.
2. Fill rear tires to approximately 75% full with calcium chloride-water solution.
3. Fill ballast box with sand.

***NOTE: See your tractor operator's manual or your John Deere dealer for more information on rear ballast.***

## PREPARING VEHICLE

---

### Check Tractor Tire Pressure



**CAUTION:** Explosive separation of a tire and rim parts can cause serious injury or death:

- **DO NOT** attempt to mount a tire without the proper equipment and experience to perform the job.
- Always maintain the correct tire pressure. **DO NOT** inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.
- When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and **NOT** in front of or over the tire assembly.
- Check tires for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.



1. Check tractor tires for damage.
2. Check tractor tire pressure with an accurate gauge.
3. Refer to **Service-Miscellaneous** section in the tractor operator's manual for proper tire pressure information.

# INSTALLING

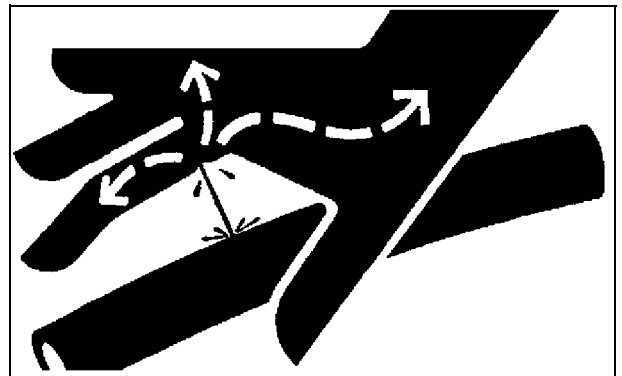
---

## Park Vehicle Safely

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Engage the park brake.
- STOP the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

## Avoid High Pressure Fluids

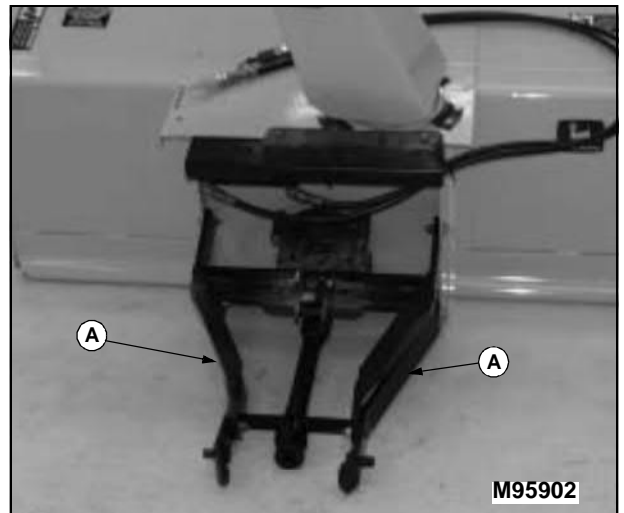
- Hydraulic hoses can fail due to physical damage, kinks, age, and exposure. Check hoses and lines regularly. Replace damaged hoses and lines.
- Hydraulic fluid connections can loosen due to physical damage and vibration. Check connections regularly. Tighten loose connections.
- Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.
- Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.
- If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A. Information may be obtained from within the United States and Canada by calling 1-800-822-8262.



# INSTALLING

## Install Snowblower

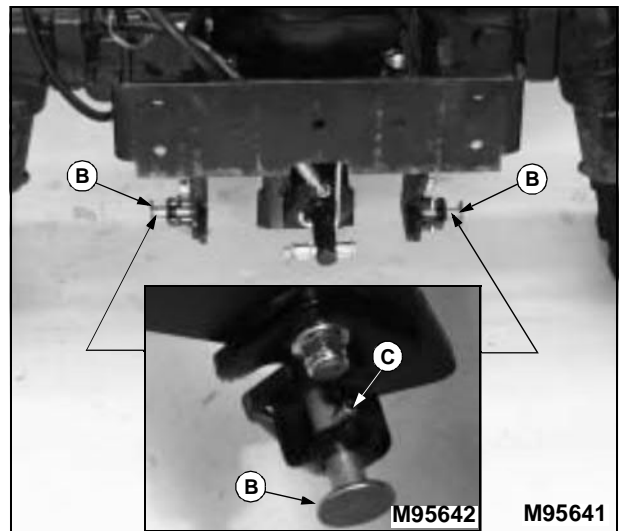
1. Park tractor on a hard, level surface.
2. Stop tractor engine, engage park brake and remove key.
3. Use safe lifting device to position snowblower in front of tractor.
4. Place a block under the attachment arms (A) to align the snowblower to the front hitch.



5. Check position of tractor front hitch quick pull pins (B).

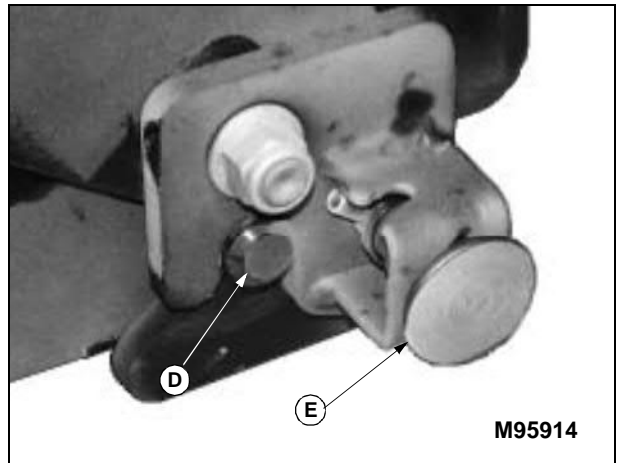
**Picture Note:** Photo to the right is the 4000 series tractor the photo below is the 790 series tractor.

- Quick lock pins on each side of front hitch must be pulled and rotated with each assembly roll pin (C) locking the quick lock pin in a retracted position.

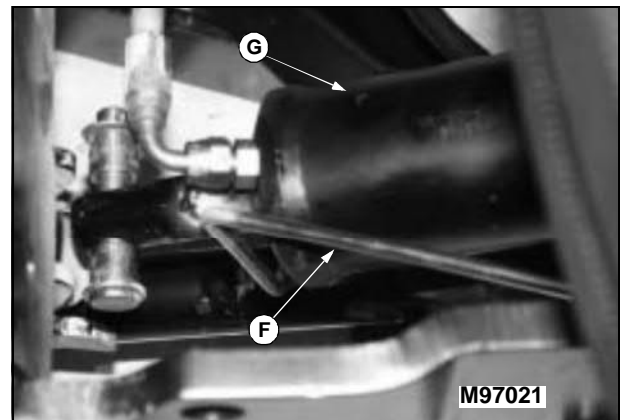


## INSTALLING

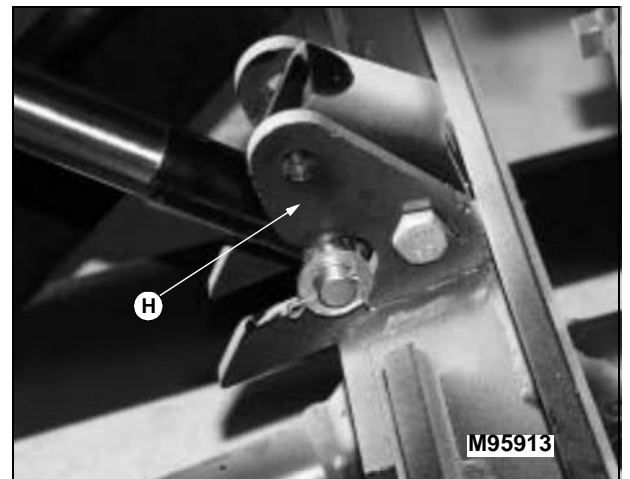
6. Start tractor engine.
7. Slowly drive tractor forward until studs (D) fit into slots and spring pins (E) snap into place.
8. Check spring pins (E). Pins must be all the way in so snowblower is locked in place.
9. Stop tractor.



10. Slide wire support hanger (F) away from under lift cylinder (G) to allow lift cylinder to slide into position.



11. Start engine.
12. Use SCV lever to extend lift cylinder until cylinder rod slides into snowblower lift bracket (H).



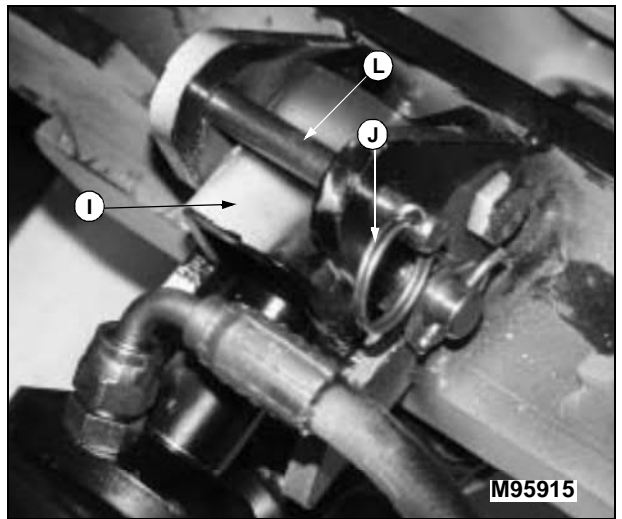
## INSTALLING

13. Close bracket latch (I) and fasten it with drilled pin (L) and spring locking pin (J).



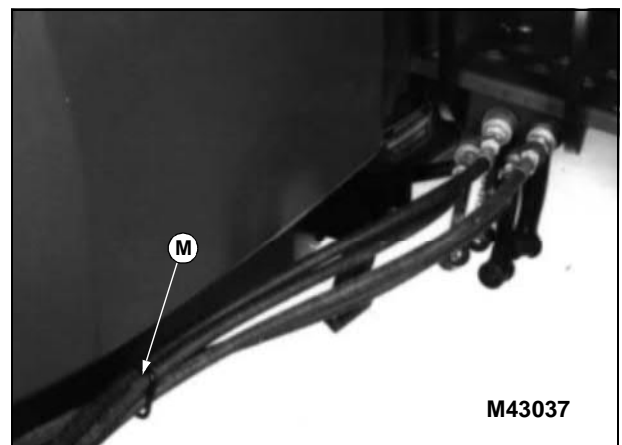
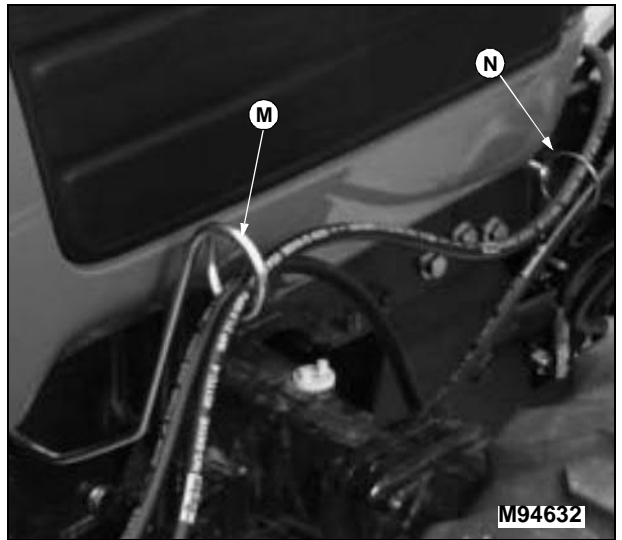
**CAUTION:** To avoid injury from escaping hydraulic oil pressure, relieve pressure in the system.

14. Stop engine, move hydraulic control levers back and forth to relieve hydraulic pressure.



**Picture Note:** Photo m94632 is 4000 series tractor. Photo M43037 is 790 series tractor.

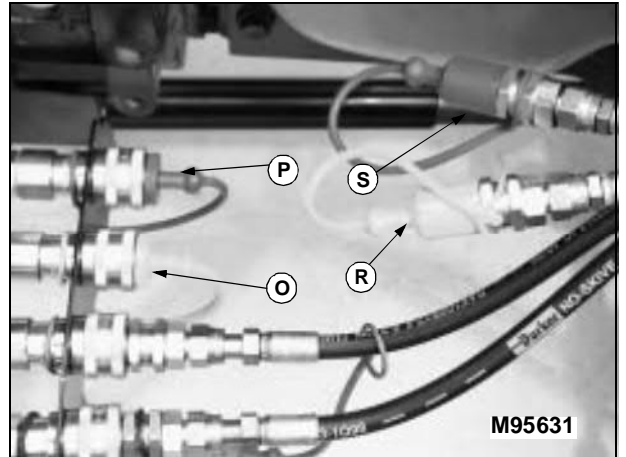
15. Route each snowblower hydraulic hose individually through wire support hanger (M) and wire ring support hanger (N) mounted to the tractor frame.



## INSTALLING

16. Remove dust plugs from couplers (O) and (P).  
Remove dust caps from hoses (R) and (S).

**Picture Note:** Photo M95631 is from 4000 series tractor.  
Photo M97692 is from 790 series tractor.



17. Slide coupler sleeve back on tractor couplers.

**Picture Note:** Photo M61547 is from 790 series tractor.  
Photo M94630 is from 4000 series tractor.

18. Put hose fitting into coupler and release sleeve.

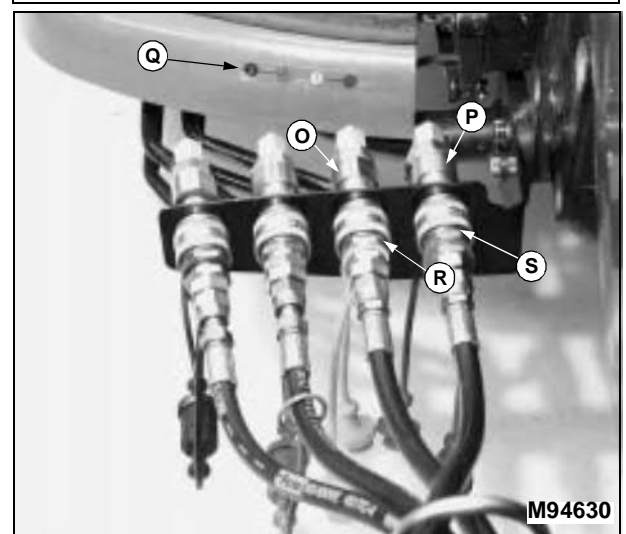
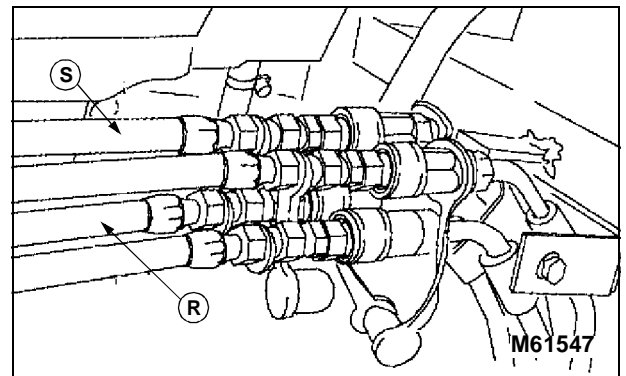
**NOTE:** If necessary, refer to hydraulic outlet color coding and numbering sequence label (Q) attached to the tractor directly behind the SCV outlets.

19. Connect hose (R) (yellow) from cylinder rod end to coupler (O).

20. Connect hose (S) (red) from cylinder head end to coupler (P).

21. Install coupler dust plugs in hose dust caps.

22. Start engine.



## INSTALLING

---

23. Move SCV lever to all four positions to check for leaks. Check snow blower action to make sure hoses are connected to correct fittings.

24. Stop engine.

25. Check transmission-hydraulic oil level. If necessary, add oil. (See your tractor operator's manual.)

26. Be sure hoses are not pinched or contacting other parts.

27. Remove PTO shaft cover. Install snowblower coupler (T) on tractor PTO shaft. Push locking collar to rear and pull shaft towards snowblower to be sure coupler is locked onto shaft.



# REMOVING

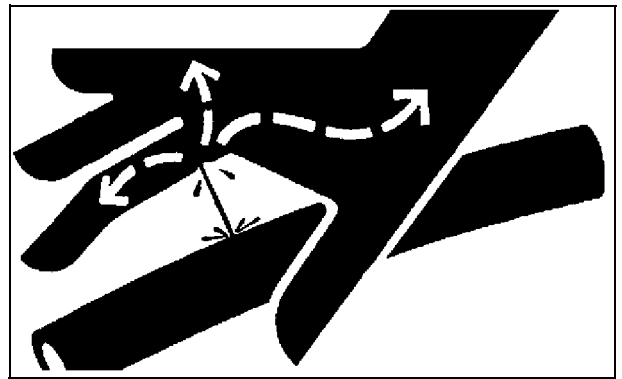
---

## Park Vehicle Safely

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Install storage stands **DOWNWARD** to support snowblower.
- Lower snowblower to ground.
- STOP the engine.
- Engage the park brake.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to STOP.

## Avoid High Pressure Fluids

- Hydraulic hoses can fail due to physical damage, kinks, age, and exposure. Check hoses and lines regularly. Replace damaged hoses and lines.
- Hydraulic fluid connections can loosen due to physical damage and vibration. Check connections regularly. Tighten loose connections.
- Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.
- Search for leaks with a piece of cardboard. Protect hands and body from high pressure fluids.
- If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A. Information may be obtained in the United States and Canada by calling 1-800-822-8262.





**Suggest:**

**If the above button click is invalid.**

**Please download this document**

**first, and then click the above link**

**to download the complete manual.**

**Thank you so much for reading**

# REMOVING

## Removing Snowblower

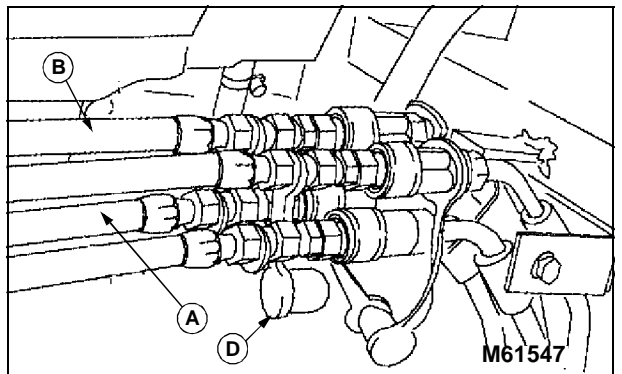
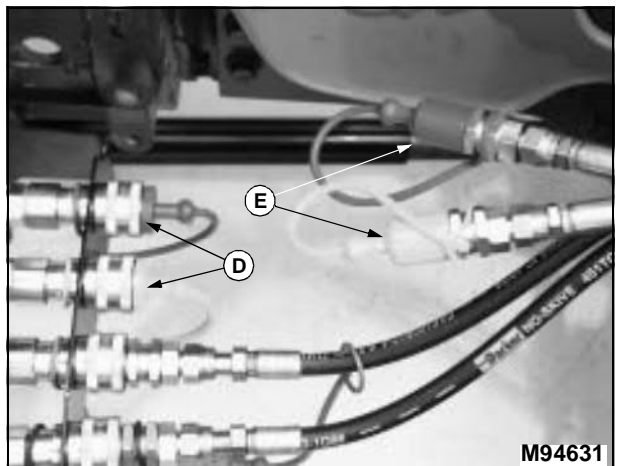
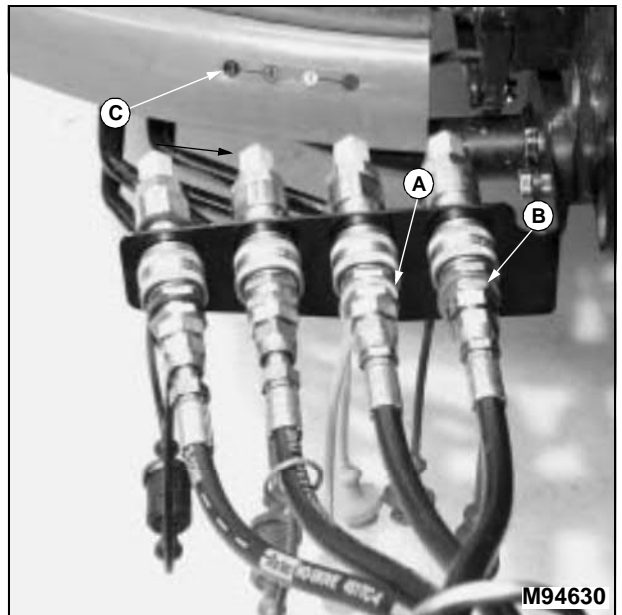
1. Park snowblower at storage area.
2. Lower snowblower to the ground.
3. Stop tractor engine and engage park brake.

**CAUTION:** To avoid injury from escaping hydraulic oil under pressure, relieve pressure in system.

4. Move hydraulic levers back and forth to relieve hydraulic pressure.

**NOTE:** If necessary, refer to snowblower hydraulic outlet color coding and numbering sequence label (C) attached to the tractor directly behind the SCV outlets.

5. Pull coupler sleeves back to disconnect hydraulic chute rotation hoses (A) and (B).
6. Install dust plugs (D) in couplers and dust caps (E) on hoses.



**<https://www.ebooklibonline.com>**

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

**<https://www.ebooklibonline.com>**