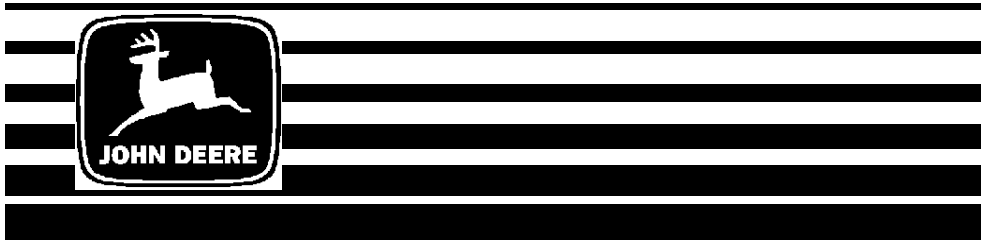


# 54-Inch Front Blade For F1145 Front Mowers

(Serial No. 010001 – )



## OPERATOR'S MANUAL

John Deere  
Lawn & Grounds Care Division  
OMM124009F5

North American Version  
Litho in U.S.A  
English

## INTRODUCTION

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

Read this manual and your vehicle manual 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.

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.

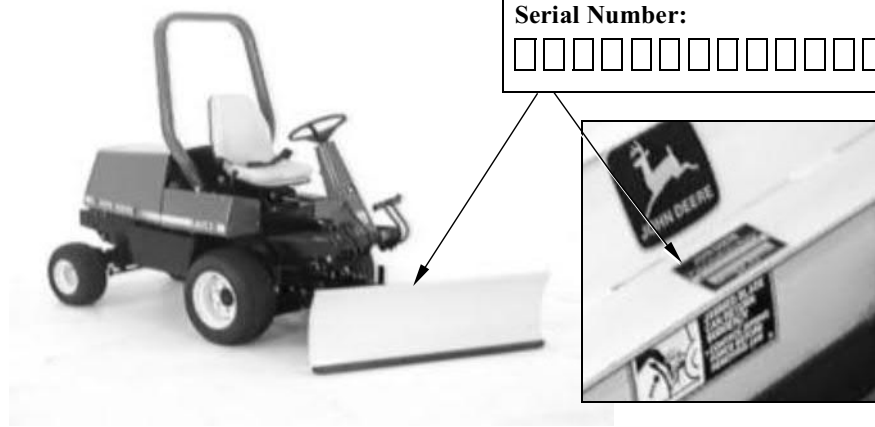
Product warranty is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The product warranty is explained on the warranty certificate you received from your dealer.

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.

<b>Date of Purchase:</b> _____
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<b>Dealer Name:</b> _____	<b>Phone:</b> _____
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<b>Serial Number:</b> □□□□□□□□□□□□
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# SAFETY SIGNS

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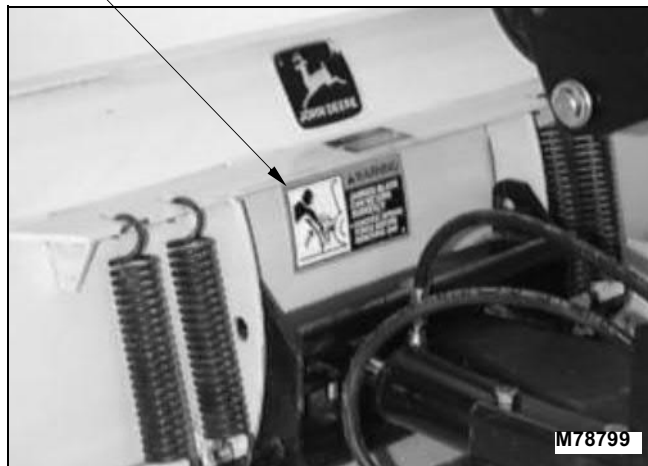
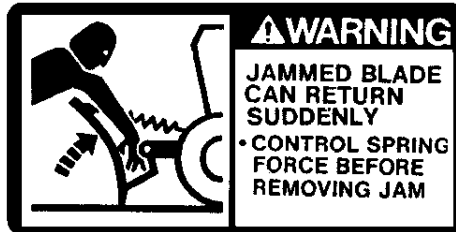
## Safety-Alert Symbol

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.



## Machine Safety Labels



## PREPARING THE VEHICLE

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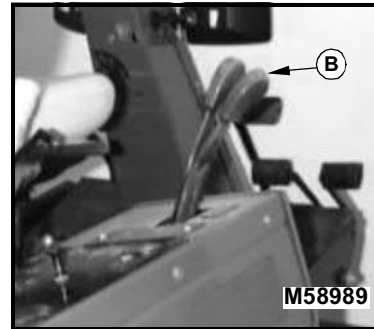
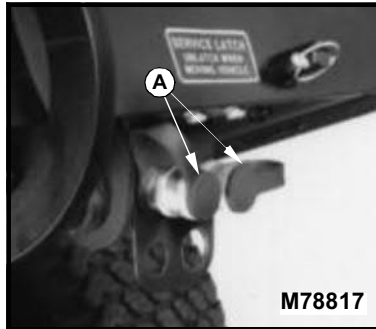
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**IMPORTANT:** Remove any Front Mower attachment before installing the front blade.

### Install Auxiliary Hydraulic Kit

**NOTE:** Your Front Mower **MUST** be equipped with the auxiliary hydraulic kit before installing the blade. See your John Deere dealer to order.

Follow instructions provided with kit to install hydraulic ports (A) and second hydraulic lever (B) to the Front Mower.



### Ballasting Requirements

**C CAUTION:** Help avoid injury. Maintain steering control and stability by using correct ballast weight. Keep tires inflated to correct pressure: 140 kPa (20 psi).

The only required ballast for the F1145 Front Mower is the standard rear cast bumper factory-installed on the Front Mower.

Ballast or traction can be improved by:

- Adding rear weights to the bumper.
- Adding wheel weights to front tires.
- Adding tire fluid to front or rear tires.
- Installing tire chains on rear tires.

## INSTALLING

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### SAFETY

#### **Park Vehicle Safely**

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Engage 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**

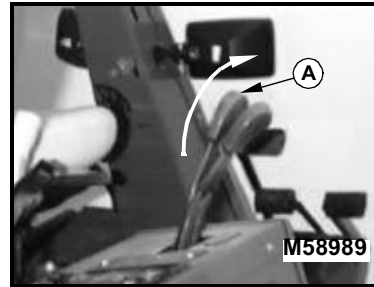


- Hydraulic hoses can fail due to physical damage, kinks, age, and exposure. Check hoses regularly. Replace damaged hoses.
- Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections 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.

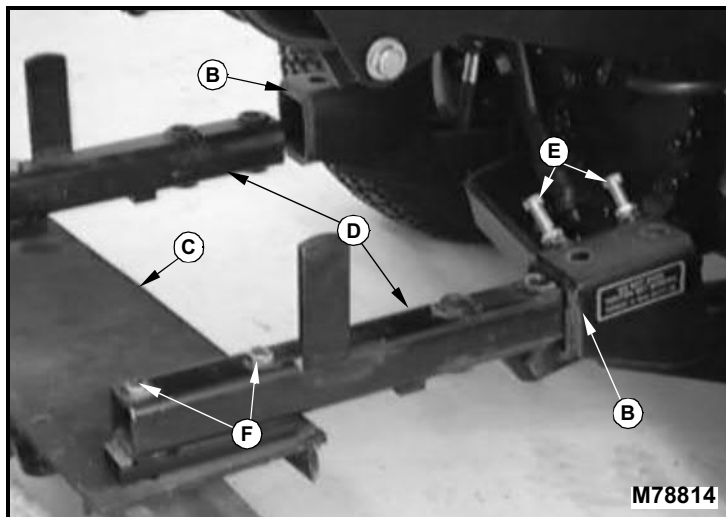
## INSTALLING

### Installing Blade

1. Stop mower on level surface.
2. Engage park brake.
3. Stop engine and remove ignition key.
4. Push hydraulic lift lever (A) all the way forward to FLOAT position. This will allow the Front Mower lift arms to be moved up or down by hand.



5. Loosen hardware (F) securing both blade lift arms (D) to pivot frame bracket (C). Loosen two locking bolts (E) on left Front Mower lift arm.
6. Position blade assembly in front of Front Mower. Block up pivot frame bracket (C) so blade lift arms (D) are aligned with mower lift arms (B). If necessary, manually move blade lift arms for proper alignment.



## INSTALLING

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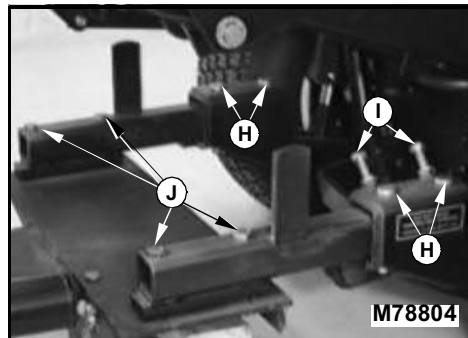
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**C** **CAUTION:** Help prevent bodily injury. Do not allow other individuals or other vehicles in the work area while the Front Mower transmission is in NEUTRAL position.

7. Disengage park brake.
8. Shift High-Low Lever to NEUTRAL position (G).



9. Push Front Mower forward to connect blade assembly to the Front Mower lift arms.
10. Engage park brake.
11. Fasten each lift arm bracket to mower lift arm with two pins (H).
12. Tighten hardware (J) on both lift arm brackets with 3/4 in. socket.
13. Tighten mower lift arm lock bolts (I) and jam nuts with 3/4 in. socket.



## INSTALLING

### Connect Hydraulic Hoses

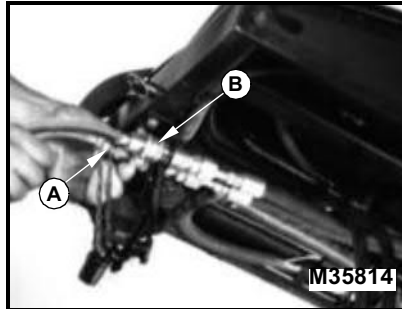
1. Move both hydraulic control levers back and forth several times to relieve pressure in the hydraulic system.

2. Pull dust plugs and covers from hydraulic outlets and hoses.

3. Push in on coupler sleeve. Fasten hoses to proper coupler.

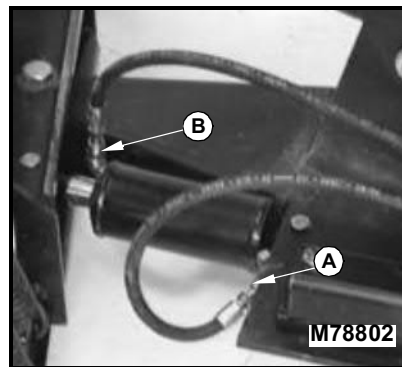
**A-Head End of Cylinder Hose to RIGHT hydraulic outlet.**

**B-Rod End of Cylinder Hose to LEFT hydraulic outlet.**



4. Pull hoses to be sure couplers are LOCKED.

**NOTE: Hoses should be set to proper angle at factory. When fastening, make sure fittings do not contact the blade or pivot assembly. Adjust if necessary.**



5. Push coupler dust plugs into hose dust covers.

6. Start engine. Operate hydraulic control levers several times to fill cylinder and hoses with fluid.

7. Stop engine. Check transmission/hydraulic oil level. (See your Front Mower operator manual.)



8. Make adjustments to skid shoes as necessary. (See OPERATING section.)

# REMOVING

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## SAFETY

### **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 regularly. Replace damaged hoses.
- 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.



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# REMOVING

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## Removing The Blade

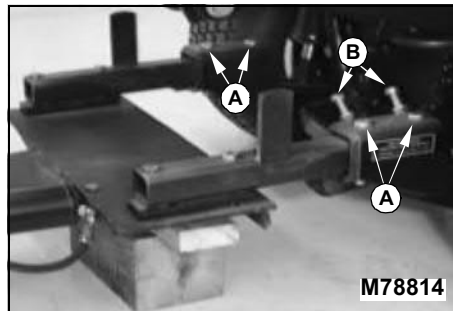
1. Park Front Mower on a level surface.
2. Put wood blocks under blade bracket.
3. Lower blade assembly onto wood blocks.
4. Engage park brake.
5. Stop engine and remove key.
6. Move both hydraulic control levers back and forth several times to relieve pressure in the hydraulic line.
7. Push in on coupler sleeves to disconnect hoses from couplers. Push dust plugs into couplers.



8. Put dust covers over hydraulic hose fittings to keep dirt from entering the hydraulic system.



9. Loosen two locking bolts (B) and jam nuts on left mower lift arm with 3/4 in. socket.
10. Remove four pins (A) from the Front Mower lift arms.



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