



# Harvesting Units



JOHN DEERE

## TECHNICAL MANUAL Harvesting Units

TM1295 (01AUG83) English

**John Deere Ottumwa Works**  
**TM1295 (01AUG83)**

LITHO IN U.S.A.  
ENGLISH





## SAFETY MESSAGES



This safety alert symbol and the word **CAUTION** identify important safety messages in this manual and on the machine. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

U10/010INT/C/090683

## NOTES

The word *NOTE* is followed by a statement that identifies a qualification or exception to a previous statement. A "NOTE" may also identify nice-to-know information pertinent to, but not directly related to the previous statement.

U10/010INT/E/090683

## OBSERVE SAFETY RULES



**CAUTION:** This safety alert symbol identifies important safety messages in this manual and on the machine. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

Avoid loose clothing that can catch in moving parts and put you out of work.

Wear your safety glasses while on the job.

Avoid working on equipment with the engine running. If it is necessary to make checks with the engine running, **ALWAYS USE TWO PEOPLE** — with the operator, at the controls, able to see the person doing the checking. Also, place the transmission in neutral and set the brake. **KEEP HANDS AWAY FROM MOVING PARTS.**

Keep transmission and brake control units properly adjusted at all times. Before making adjustments, stop engine.

Before removing any housing covers, stop engine. Take all objects from your pockets which could fall into the opened housings. Don't let adjusting wrenches fall into opened housings.

Don't attempt to check belt tension while the engine is running.

Don't adjust the fuel system while the machine is in motion.



T27999/000016/090683

## SERVICE TIRES SAFELY



**CAUTION:** Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job.

When sealing tire beads on rims, never exceed 240 kPa (2.4 bar) (35 psi) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead, and reinflate.

Detailed agricultural tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55. Such information is also available from the Rubber Manufacturers Association and from tire manufacturers.

0000/C/090683

## USE ADEQUATE SERVICE FACILITIES

Keep the service area clean and dry. Wet or oily floors are slippery. Wet spots can be dangerous when working with electrical equipment.

Make sure the service area is adequately vented.

Periodically check the shop exhaust system for leakage. Engine exhaust gas is dangerous.

Be sure electrical outlets and tools are properly grounded.

Use adequate light for the job at hand.

Service the machine on a level, hard-surfaced area.

Use lifting equipment and safety stands which have adequate strength for the job being performed.

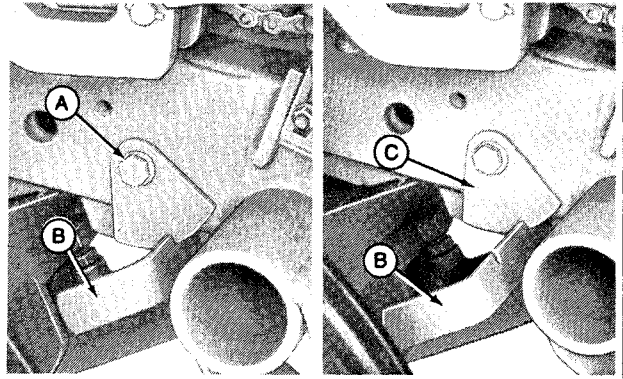
0000/D/090683

## Introduction

ALWAYS engage the lift cylinder stop to the locked (A) position when working on or under the pull-type harvester with the harvesting unit in the raised position.

Always return lever (B) to the unlocked (C) position before operating.

If attached to self-propelled, lower support stands to the ground and pin to prevent accidental lowering of unit. Disengage power and make sure all moving parts have stopped before servicing machine.

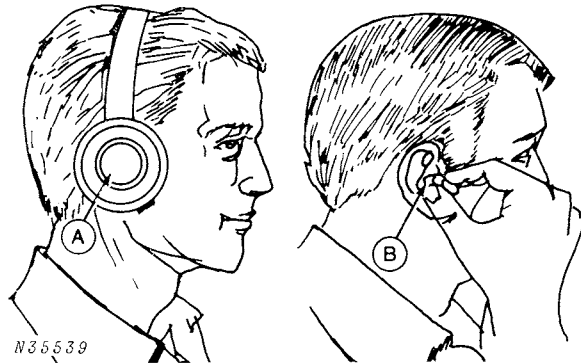


E22736/E22737/0000/E/090683

## PROTECT AGAINST NOISE

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

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



N35539

N35539/0000/L/090683

## DO NOT MODIFY MACHINE

Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

1005/J/090683

# Section 10 EAR CORN UNITS

## CONTENTS

	Page		Page
<b>GROUP 05 - GENERAL INFORMATION</b> .....	10-05-01	Disassemble Barrel Assembly .....	10-15-24
		Inspect Barrel Assembly .....	10-15-24
		Repair Barrel Assembly .....	10-15-25
<b>GROUP 10 - DIAGNOSING MALFUNCTIONS</b> .....	10-10-01	Attach Barrel Assembly To Gear Case .....	10-15-26
		Install Gear Case .....	10-15-29
<b>GROUP 15 - POWER TRAIN</b>		Inspect Slip Clutch .....	10-15-30
Special Tools .....	10-15-01	Assemble Slip Clutch .....	10-15-30
Fabricated Tools .....	10-15-01	Adjust Gatherer Points .....	10-15-31
Specifications .....	10-15-02	Adjust Slip Clutch .....	10-15-31
Torques .....	10-15-02	Adjust Trash Knives .....	10-15-32
Remove Row Unit Frame .....	10-15-03	Adjust Stalk Rolls .....	10-15-32
Inspect Row Unit Frame .....	10-15-06	Adjust Deck Plates and Gatherer Chain Guides .....	10-15-33
Assemble Row Unit Frame .....	10-15-07	Adjust Gatherer Chain Tension .....	10-15-34
Remove Stalk Rolls .....	10-15-07	Adjust Feeder Drive Chain .....	10-15-34
Inspect Stalk Rolls .....	10-15-08		
Install Stalk Rolls .....	10-15-08	<b>GROUP 20 - CORN HEAD ATTACHING PARTS</b>	
Remove Gear Case .....	10-15-09	Disassemble and Assemble Corn Head Attaching Parts .....	10-20-01
Disassemble Gear Case .....	10-15-10		
Inspect Gear Case Components .....	10-15-12		
Remove Countershaft Bushings .....	10-15-13		
Install Countershaft Bushing .....	10-15-13		
Replace Bearings and Bushings .....	10-15-14		
Remove Gatherer Drive Shaft Bushing and Seal .....	10-15-14		
Remove Input Shaft Needle Bearings and Seals .....	10-15-14		
Install Input Shaft Needle Bearings and Seals .....	10-15-15		
Remove Gatherer Cap Bushings .....	10-15-16		
Replace Idler Gear Needle Bearings .....	10-15-17		
Assemble Gear Case .....	10-15-18		
Install Expansion Plugs .....	10-15-20		

1000G0090883

**BUY NOW**

**Then Instant Download  
the Complete Manual  
Thank you very much!**