



484 Cotton Stripper



JOHN DEERE

TECHNICAL MANUAL 484 Cotton Stripper

TM1153 (01APR82) English

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ENGLISH



**484 COTTON
STRIPPER**
Technical Manual
TM-1153 (Apr-82)

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

Right and Left-hand
Determination

“Right-hand” and “left-hand” sides are determined by facing in the direction the stripper will travel when in use.

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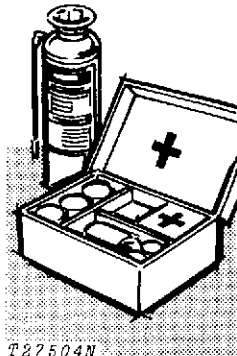
SAFETY AND YOU



T27999N

INTRODUCTION

 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.



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T25704N

Be prepared if an accident or fire should occur. Learn where the first aid kit and the fire extinguishers are located—know how to use them.

BLOCKING THE COTTON STRIPPER

T27999N

CAUTION: Whenever the engine is to be removed for service, it is very important that the basket be securely blocked so it will not fall and cause serious personal injury or damage to the cotton stripper.

Whenever working under the stripping units, securely block the stripping units so they will not fall and cause personal injury or damage to the units.

Always service the cotton stripper on level ground unless otherwise specified in this manual.

Block the wheels to keep the cotton stripper from moving while it is being serviced.

MOUNTING TIRES

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. Have it done by a qualified tire repair service.

When seating tire beads on rims, never exceed 35 psi (241 kPA) 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, Tire and Tracks, available through your Distribution Service Center. Such information is also available from the Rubber Manufacturers Association and from tire manufacturers.

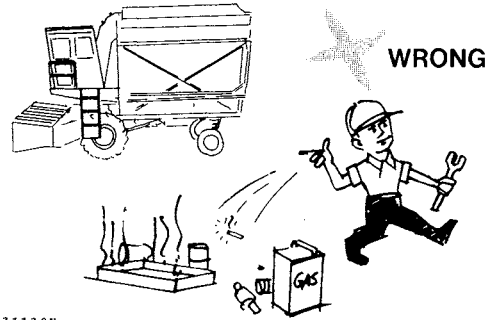
CLEANING THE COTTON STRIPPER



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N31129N

AVOIDING FIRE HAZARDS



N31130N

N31130N

Always stop the engine before cleaning the cotton stripper.

Keep the operator's platform clean. Do not use it as a storage area.

Keep the radiator and engine closure screens free of foreign matter. Avoid a possible fire hazard.

Keep all equipment free of dirt and oil. In freezing weather, beware of snow and ice on ladder steps and operator's platform.

SERVICE AREA RECOMMENDATIONS

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 all electrical outlets and tools are properly grounded.

Use adequate light for the job at hand.

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

Don't smoke while refueling or handling highly flammable material.

Stop the engine when refueling.

Use care in refueling if the engine is hot.

Don't use open pans of gasoline or diesel fuel for cleaning parts. Good commercial, nonflammable solvents are preferred.

Provide adequate ventilation when charging batteries.

Don't check battery charge by placing metal objects across the posts.

Don't allow sparks or open flame near batteries.

Don't smoke near battery.

Never check fuel, battery electrolyte or coolant levels with an open flame.

Never use an open flame to look for leaks anywhere on the equipment.

Never use an open flame as a light anywhere on or around the equipment.

When preparing engine for storage, remember that inhibitor is volatile and therefore dangerous. Seal and tape openings after adding the inhibitor. Keep container tightly closed when not in use.

PERSONAL SAFETY



Always avoid loose clothing or any accessory — lopping cuffs, dangling neckties and scarves — that can catch in moving parts and put you out of work.

Always wear your safety glasses while on the job.

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.

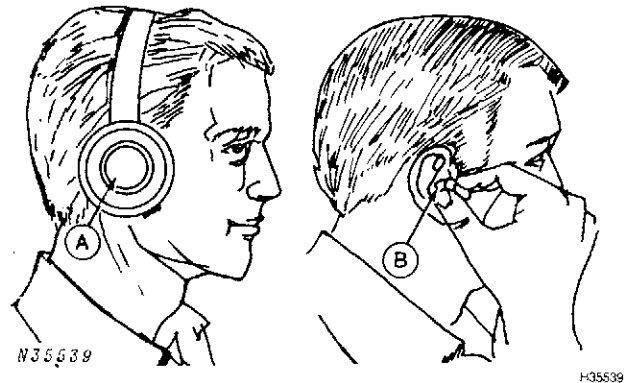
Don't attempt to check belt tension while the engine is running.

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

Before repairing the electrical system, or performing a major overhaul, make sure the batteries are disconnected.

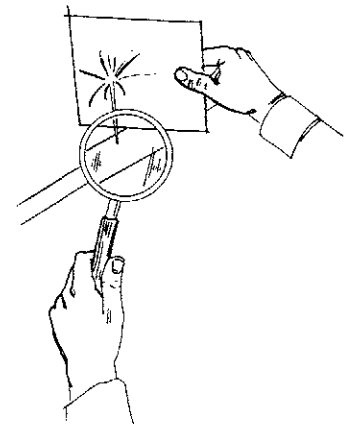
Avoid working on equipment with the engine running. If it is necessary to make checks with the engine running, ALWAYS USE TWO PEOPLE — with the operator, at the controls, able to see the person doing the checking. Also, put the transmission in neutral, set the brake, and apply any safety locks provided.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

Use extreme caution in removing radiator caps, drain plugs, grease fittings, or hydraulic pressure caps.



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.



Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure, be sure all connections are tight and lines, pipes and hoses are not damaged. Use a piece of cardboard or wood rather than hands, to search for leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

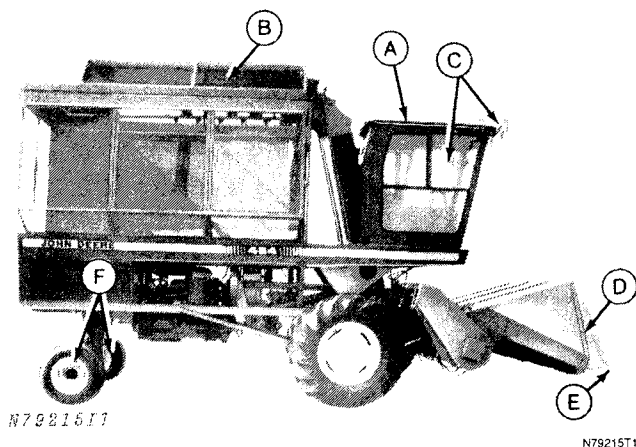
Section 10 GENERAL

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Group 5 SPECIFICATIONS

DESCRIPTION



- A—SOUND-GARD® Style Cab (No ROPS)
- B—Basket
- C—Rear View Mirrors
- D—Stripping Units
- E—Height Sensing Shoes
- F—Dual Guide Wheels

Fig. 1-484 Cotton Stripper

The 484 Cotton Stripper is a self-propelled machine, consisting of the following basic components:

1. Operator's Station, Controls, and Instruments.
2. Stripping Units.
3. Air System and Basket.
4. Engine and Propelling Mechanism.

The operator is above the stripping operation when at the controls of the cotton stripper. All controls are within easy reach of the operator.

The stripping units are adjustable for various row spacings. Large strip rolls with alternating rubber flaps remove a maximum of cotton with a minimum of leaves and bark from the cotton plant.

The large-volume, high capacity air system, with its green boll separation, allows practically unlimited ground speed in high yielding cotton. A green boll box located directly below the air system duct, allows dumping of bolls at row ends from the operator's platform.

The cotton stripper is propelled by a 6-cylinder, rear-mounted, diesel engine.

NOTE: All references in this manual to front, rear, left-hand and right-hand are in relation to the position of the operator seated on the operator's platform.

SERIAL NUMBERS

The cotton stripper serial number plate is located on the left-hand platform support.

The engine serial number plate is located on the left-hand side of the engine block.

The hydrostatic pump and motor serial number plates are located on the pump and motor.

The stripping head serial number plate is located on the left-hand side of the frame.

The cab serial number plate is located to the left of the operator's seat, on the cab frame.

SPECIFICATIONS

STRIPPING UNITS—BRUSH

Number of Units	4
Number of Rolls per Unit	2
Type of Rolls	Alternate Brush and Rubber Flap
Diameter of Brushes	6 inches (152 mm)
Length of Rolls	40 inches (1 016 mm)
Roll Spacing	Floating Type with Stop Bolt Height Adjustment
Cross Conveyor	12-inch (305 mm) wide Auger Housing
Height Control	Automatic, with Manual Override Lift and Individual Height Control Levers
Number of Augers per Unit	2, 6-inch (152 mm) diameter
Row Widths	30 to 40-inch (0.76 - 1.0 m) rows (30-inch [0.86 m] rows requires belts attachment bundle)

NOTE: 30 to 32-inch (0.76 to 0.81 m) width in skip-row cotton only (requires extension attachment bundle)

FINGERHEAD	56 fingers; 154 inches (3 912 mm) wide, for eight 20-inch (52 cm), five 30-inch (76 cm), or four 40-inch (102 cm) single or double rows
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GROUND SPEEDS (Maximum at rated engine speed)	Forward		Reverse	
	Thru 1980	1981 and up	Thru 1980	1981 and up
1st Gear	2.7 mph (4.3 km/h)	2.9 mph (4.66 km/h)	1.4 mph (2.3 km/h)	1.5 mph (2.40 km/h)
2nd Gear	5.5 mph (8.9 km/h)	5.8 mph (9.33 km/h)	2.7 mph (4.3 km/h)	2.9 mph (4.66 km/h)
3rd Gear	7.4 mph (11.96 km/h)	7.9 mph (12.71 km/h)	3.7 mph (6.0 km/h)	4.0 mph (6.40 km/h)
4th Gear	14.9 mph (24.0 km/h)	15.8 mph (25.42 km/h)	7.5 mph (12.0 km/h)	7.9 mph (12.71 km/h)

CAPACITIES

Cotton Basket	
Standard	608 cu. ft. (17.2 m ³)
With extension	758 cu. ft. (21.5 m ³)
Fuel Tank	69 U.S. gals. (261 L)
Cooling System	28 U.S. qts. (26.5 L)
Engine Crankcase	10 U.S. qts. (9.5 L) (329 Engine) 12 U.S. qts. (11.4 L) (359 Engine)
Hydraulic System	21 U.S. qts. (19.9 L)
Reservoir	15.2 U.S. qts. (14.4 L)
Transmission	18 U.S. qts. (17.0 L)
Final Drives	2 U.S. qts. (1.9 L) (Each)
Hydrostatic Drive System	27 U.S. qts. (25.6 L)
Reservoir	18.4 U.S. qts. (17.4 L)

COOLING SYSTEM

Type	Liquid, Pressurized
Radiator Pressure Cap	7 psi (50 kPa [0.5 bar])
Thermostat	195°F (91°C) (329 Engine), (2) 180°F (82°C) (359 Engine)

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