

John Deere 482 Cotton Stripper



JOHN DEERE

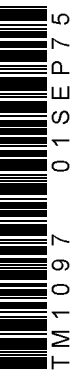
TECHNICAL MANUAL

John Deere
482 Cotton Stripper

TM1097 (01SEP75) English

TM1097 (01SEP75)

LITHO IN U.S.A.
ENGLISH



482 COTTON STRIPPER

Technical Manual TM-1097 (Sep-75)

CONTENTS

- SECTION 10 - GENERAL
 - GROUP 5 - Specifications
 - GROUP 10 - Predelivery, Delivery and After Sale Service
 - GROUP 15 - Tune-Up and Adjustment
 - GROUP 20 - Lubrication
- SECTION 20 - ENGINE
 - GROUP 5 - General Information, Diagnosis, and Removal
 - GROUP 10 - NB329 Engine
 - GROUP 15 - NA219 Engine
 - GROUP 20 - Specifications, Torque Values and Special Tools
- SECTION 30 - FUEL SYSTEMS
 - GROUP 5 - Diagnosing Malfunctions
 - GROUP 10 - Diesel Fuel System
 - GROUP 15 - Gasoline and LP-Gas Fuel Systems
 - GROUP 20 - Specifications, Torque Values and Special Tools
- SECTION 40 - ELECTRICAL SYSTEM
 - GROUP 5 - General Information and Wiring Diagrams
 - GROUP 10 - Charging Circuit
 - GROUP 15 - Starting Circuit
 - GROUP 20 - Ignition Circuit
 - GROUP 25 - Specifications, Torque Values and Special Tools
- SECTION 50 - POWER TRAIN
 - GROUP 5 - Clutch and Main Drive Shaft
 - GROUP 10 - Transmission
 - GROUP 15 - Differential
 - GROUP 20 - Final Drives
 - GROUP 25 - Auxiliary Gear Housing
 - GROUP 30 - Hydrostatic Drive
 - GROUP 35 - Specifications, Torque Values and Special Tools
- SECTION 60 - STEERING AND BRAKES
 - GROUP 5 - Steering
 - GROUP 10 - Brakes
 - GROUP 15 - Specifications and Torque Values
- SECTION 70 - HYDRAULIC SYSTEM
 - GROUP 5 - General Information, Diagnosis, and Tests
 - GROUP 10 - Hydraulic Pump
 - GROUP 15 - Hydraulic Valve
 - GROUP 20 - Hydraulic Cylinders
 - GROUP 25 - Steering
 - GROUP 30 - Automatic Height Control
 - GROUP 35 - Specifications, Torque Values and Special Tools
- SECTION 80 - STRIPPING UNITS, AIR SYSTEM AND DUAL GUIDE WHEELS
 - GROUP 5 - Stripping Units
 - GROUP 10 - Air System
 - GROUP 15 - Dual Guide Wheels
 - GROUP 20 - Specifications, Torque Values and Special Tools
- SECTION 90 - OPERATOR'S CAB
 - GROUP 5 - Pressurizer System
 - GROUP 10 - Air Conditioning System
 - GROUP 15 - Heating System
 - GROUP 20 - Specifications, Torque Values and Special Tools
- SECTION 100 - ALPHABETICAL INDEX

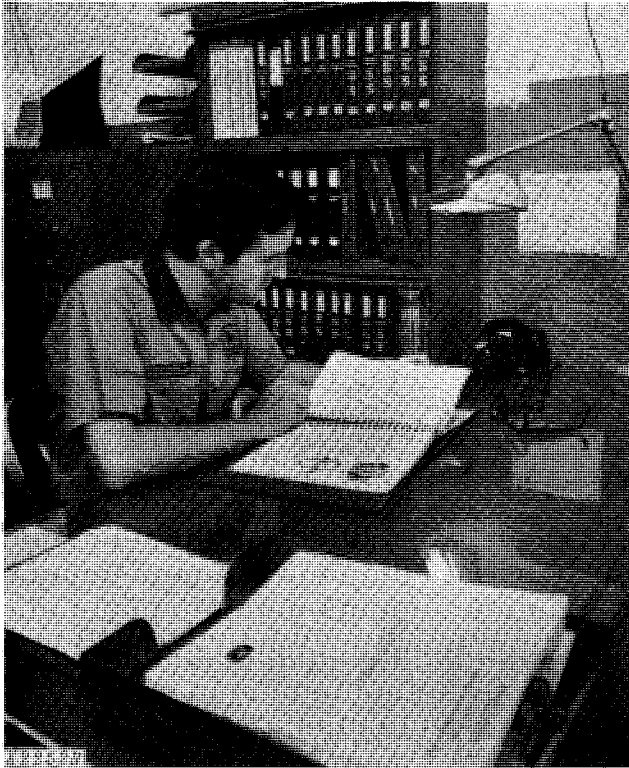
FOR YOUR CONVENIENCE

Vertical lines appear in the margins of many of the pages. These lines identify new material and revised information that affects specifications, procedures, and other important instructions.

(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.)

Copyright© 1975
DEERE & COMPANY
Moline, Illinois
All Rights Reserved

INTRODUCTION



Use FOS Manuals for Reference

This technical manual is part of a twin concept of service:

- **FOS Manuals—for reference**
- **Technical Manuals—for actual service**

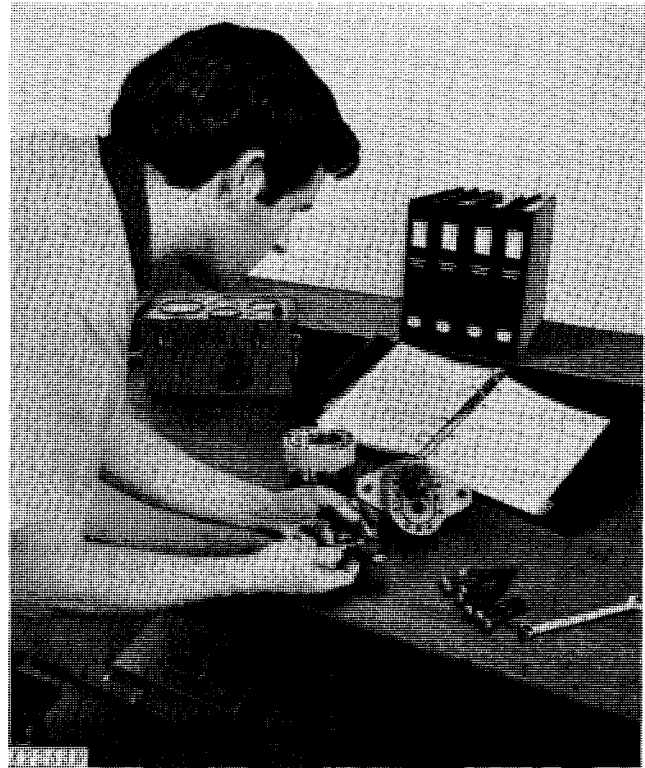
The two kinds of manuals work as a team to give you both the general background and technical details of shop service.

Fundamentals of Service (FOS) Manuals cover basic theory of operation, *fundamentals* of trouble shooting, *general* maintenance, and *basic* types of failures and their causes. FOS Manuals are for training new people and for reference by experienced technicians.

Technical Manuals are concise service guides for a *specific* machine. Technical Manuals are on-the-job guides containing only the vital information needed by an experienced technician.



Whenever the service technician may need to refer to a FOS Manual for more information, a FOS symbol like the one at the left is used in the TM to identify the reference.




Use Technical Manuals for Actual Service

Some features of this technical manual:

- *Table of contents at front of manual*
- *Exploded views showing parts of relationship*
- *Photos showing service techniques*
- *Specifications grouped for easy reference*

This technical manual was planned and written for you—an experienced technician. Keep it in a permanent binder in the shop where it is handy. Refer to it whenever in doubt about correct service procedures or specifications.

Using the technical manual as a guide will reduce error and costly delay. It will also assure you the best in finished service work.


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

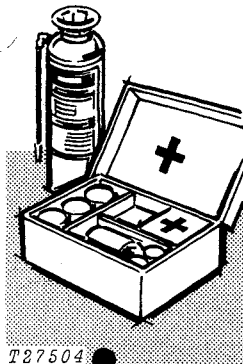
SAFETY AND YOU



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.



T27504

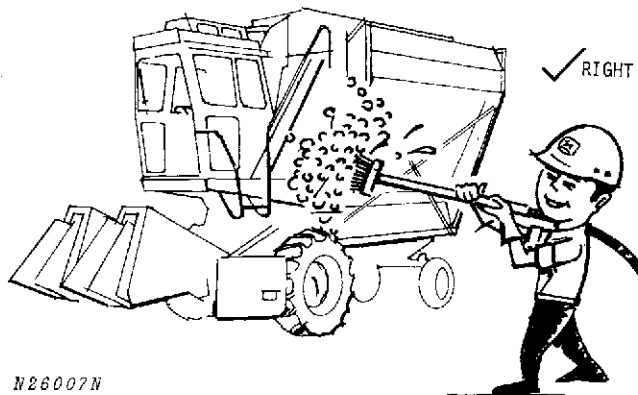
Be prepared if an accident or fire should occur. Learn where the first aid kit and the fire extinguishers are located—know how to use them.

BLOCKING THE COTTON STRIPPER

 **CAUTION:** Whenever any components of the basket lift or engine are to be disconnected or removed for service or replacement, it is very important that the basket be securely blocked so it will not fall and cause serious personal injury or damage to the stripper.

Always service the cotton stripper on level ground and block the wheels to prevent it from moving while it is being serviced.

CLEANING THE COTTON STRIPPER



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

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

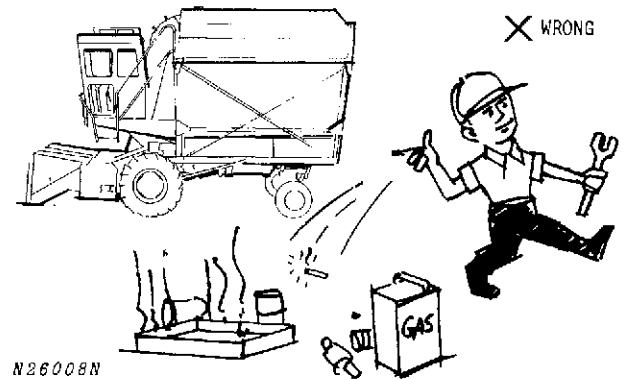
Make sure the service area is adequately vented.

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.

AVOID FIRE HAZARDS



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

Engine should be shut off 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.

FLUIDS UNDER PRESSURE

Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve the pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected 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.

Don't forget the hydraulic system or diesel fuel injection system may be pressurized! To relieve pressure, follow the technical manual.

When checking hydraulic pressure, be sure to use the correct test gauge for the pressure in the particular system.

PERSONAL SAFETY



H23440NA

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 MEN**—one, the operator, at the controls, the other checking where the operator can see him. Also, put the transmission in neutral, set the brake, and apply safety locks. **KEEP HANDS AWAY FROM MOVING PARTS.**

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

BUY NOW

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