

John Deere 6602 Combine



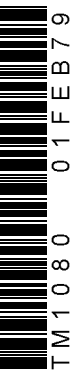
TECHNICAL MANUAL

John Deere 6602
Combine

TM1080 (01FEB79) English

TM1080 (01FEB79)

LITHO IN U.S.A. (REVISED)
ENGLISH



6602 COMBINE

TECHNICAL MANUAL
TM-1080 (Mar-78)

CONTENTS

SECTION 10 - GENERAL

- Group 5 - General Combine Specifications
- Group 10 - Tune-Up and Adjustments
- Group 15 - Lubrication

SECTION 20 - ENGINES

- Group 5 - General Information, Diagnosis, and Removal
- Group 10 - Cylinder Head, Valves, and Camshaft
- Group 15 - Cylinder Block, Liners, Pistons, and Rods
- Group 20 - Crankshaft, Main Bearings, and Flywheel
- Group 25 - Lubrication System
- Group 30 - Cooling System
- Group 35 - Governor and Speed Control Linkage
- Group 40 - Specifications

SECTION 30 - FUEL SYSTEMS

- Group 5 - Diagnosing Malfunctions
- Group 10 - Air Intake, Tank, and Fuel Pump
- Group 15 - Gasoline Fuel System
- Group 20 - Diesel Fuel System
- Group 25 - Specifications

SECTION 40 - ELECTRICAL SYSTEM

- Group 5 - Description and Wiring Diagrams
- Group 10 - Charging Circuit
- Group 15 - Starting Circuit
- Group 20 - Ignition Circuit
- Group 25 - Lighting, Gauges, and Accessory Circuits
- Group 30 - Low Shaft Speed Monitor
- Group 35 - Specifications

SECTION 50 - POWER TRAIN

- Group 5 - Transmission
- Group 10 - Differential
- Group 15 - Final Drives
- Group 20 - Hydrostatic Drive
- Group 25 - Front Axle Mechanism
- Group 30 - Specifications

SECTION 60 - POWER STEERING AND BRAKES

- Group 5 - Power Steering
- Group 10 - Brakes
- Group 15 - Specifications

SECTION 70 - HYDRAULIC SYSTEM

- Group 5 - General Information, Diagnosis, and Tests
- Group 10 - Reservoir
- Group 15 - Hydraulic Pumps
- Group 20 - Hydraulic Valves
- Group 25 - Hydraulic Cylinders
- Group 30 - Hydraulic Motor
- Group 35 - Specifications

SECTION 80 - LEVELING SYSTEM

- Group 5 - Hydraulic System
- Group 10 - Fluid Level System
- Group 15 - Electrical System
- Group 20 - Specifications

SECTION 90 - OPERATORS CAB

- Group 5 - Pressurizer System
- Group 10 - Air Conditioning System
- Group 15 - Heater System
- Group 20 - Accessories
- Group 25 - Specifications

SECTION 100 - HARVESTING FUNCTIONS

- Group 5 - Cutting Platform
- Group 10 - Feeder House
- Group 15 - Separator
- Group 20 - Specifications

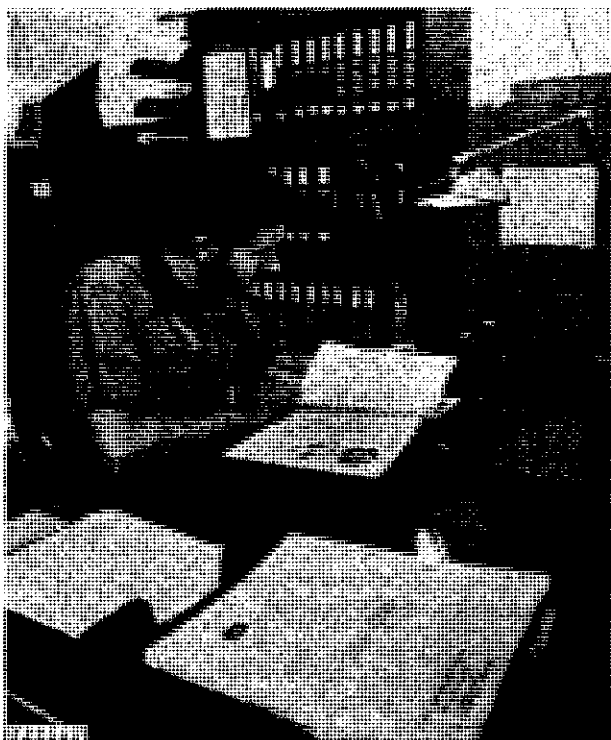
SECTION 110 - ELECTRO-HYDRAULIC SYSTEMS

- Group 5 - Unloading Auger Hydraulic Swing and Automatic Latching System
- Group 10 - Specifications

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© 1974
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**

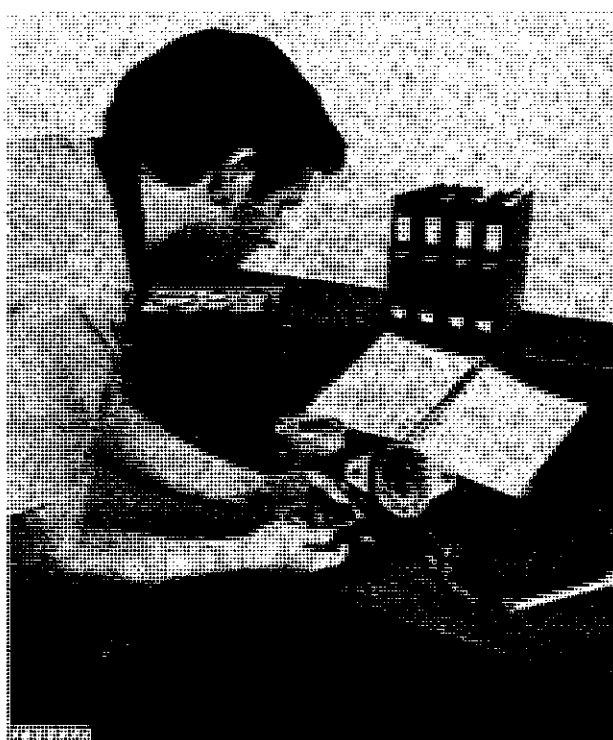
The two kinds of manuals work as a team to give you both the general background and technical details of shop service.

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 service 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.



When a technician should 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 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.

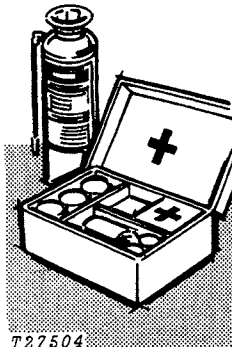
SAFETY AND YOU



T27999

INTRODUCTION

 This safety alert symbol identifies important safety messages in this manual and on the combine. 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. Know where the first aid kit and the fire extinguishers are located—know how to use them.

BLOCKING THE COMBINE

CAUTION

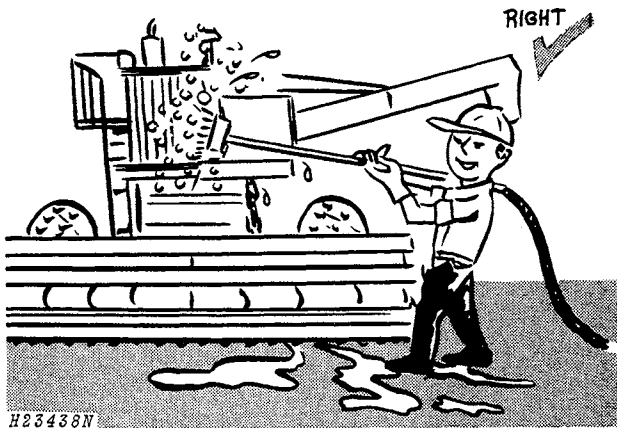
Whenever any components of the Automatic Leveling System are to be disconnected or removed for service or replacement, it is very important that the combine be securely blocked so it will not tilt and cause serious personal injury or damage to the combine.

Place blocks on each end of the axle beam inside the front axle support frame. Also, place wedges between each of the rear axle spindles and rear axle.

Always service the 6602 Combine on level ground unless otherwise specified in this manual.

Before checking, adjusting, or servicing the automatic leveling system, be certain the separator is absolutely perpendicular with the front axle balance beam. This may be checked with the carpenter's level, with the combine setting on a level surface and the tires equally inflated.

After leveling the separator and before checking, adjusting or servicing the remainder of the combine, be certain to: (1) block the front and rear wheels, (2) lower the cutting platform all the way to the ground and, (3) shut off the engine.

CLEANING THE COMBINE

Always stop the engine before cleaning the combine.

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 a 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.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com