

680, 690, 680 MultiCut and 690 MultiCut Large Square Balers

**John Deere Werke Zweibrücken
TM4581 (04DEC00)**

Printed in Germany
ENGLISCH

Introduction

FOREWORD

This manual is written for an experienced technician. Essential tools required in performing certain service work are identified in this manual and are recommended for use.

Live with safety: Read the safety messages in the introduction of this manual and the cautions presented throughout the text of the manual.



This is the safety-alert symbol. When you see this symbol on the machine or in this manual, be alert to the potential for personal injury.

Technical manuals are divided in two parts: repair and operation and tests. Repair sections tell how to repair the components. Operation and tests sections help you identify the majority of routine failures quickly.

Information is organized in groups for the various components requiring service instruction. At the beginning of each group are summary listings of all applicable essential tools, service equipment and tools, other materials needed to do the job, service parts kits, specifications, wear tolerances, and torque values.

Technical Manuals are concise guides for specific machines. They are on-the-job guides containing only the vital information needed for diagnosis, analysis, testing, and repair.

Fundamental service information is available from other sources covering basic theory of operation, fundamentals of troubleshooting, general maintenance, and basic type of failures and their causes.

Contents

SECTION 05—Safety

Group 05—Safety Information

SECTION 10—General Information

Group 05—Specifications/Serial Number

Group 10—Basic Settings

SECTION 40—Electrical System

Group 05—Sensor Tests

Group 15—Valve Checks

Group 20—Setting Electronic Values

Group 25—Power Supply

Group 30—Fuses

Group 35—Changing Sensors

Group 40—Changing Boards

Group 45—Troubleshooting

Group 50—Circuit Diagrams

SECTION 50—Power Train

Group 05—Lower Pickup Drive Gearbox

Group 10—Upper Pickup Drive Gearbox

Group 15—Rake Gearbox with Spring-Loaded
Ratchet Clutch

Group 20—Transfer Gearbox (Knotter-Rake)

Group 25—Overload Clutch

Group 30—Brake Band

Group 35—Cam-Type Cut-Out Clutch

Group 40—Main Gearbox

Group 45—Main Drive Jointed Shaft

Group 50—Pickup Drive Jointed Shaft

Group 55—Knotter Drive Jointed Shaft

Group 60—Adjusting Length of Jointed Shafts

Group 65—Free-Running Friction Clutch

SECTION 70—Hydraulic System

Group 05—On-Board Hydraulics

Group 10—Hydraulic System (Driven by Tractor)

SECTION 80—Hitching and Chassis

Group 05—Tongue

SECTION 100—Pickup System

Group 05—Removing and Installing Scraper

Group 10—Removing and Installing Tines

Group 15—Removing and Installing Spring
Suspension

Group 20—Removing and Installing Complete
Pickup

Group 25—Removing and Installing Tine Carriers

Group 30—Removing and Installing Feed Augers

Group 35—Rake Bar and Feeder Bar

Group 40—Cutting System

SECTION 110—Baling Components

Group 05—Residual Bale Ejector

Group 10—Plunger

Group 15—Connecting Rod

Group 20—Plunger Blades and Stationary Blades

Group 25—Baling Flaps

Group 30—Tensioning Element

SECTION 120—Binding Mechanism

Group 05—Knotter Gearbox

Group 10—Knotter Shaft

Group 15—Knotter

Group 20—Needles

Group 25—Needle Yoke

Group 30—Actuating Linkage

Group 35—Knotter Central Lubrication System

Group 40—Twine Knotter

SECTION 140—Accessories

Group 05—Compressor

Index

All information, illustrations and specifications in this 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.

TM4581-19-04DEC00

COPYRIGHT© 1997
DEERE & COMPANY
European Office Mannheim
All rights reserved
A John Deere ILLUSTRATION® Manual

Section 05 Safety

Contents

Page

Group 05—Safety Information

LIVE WITH SAFETY

Before returning machine to customer, make sure machine is functioning properly, especially the safety systems. Install all guards and shields.



DX,LIVE -19-25SEP92

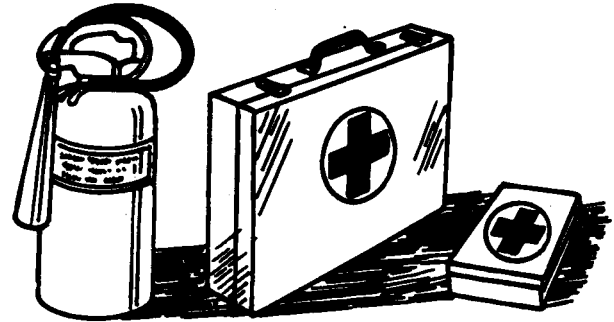
TS231 -19-07OCT88

PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



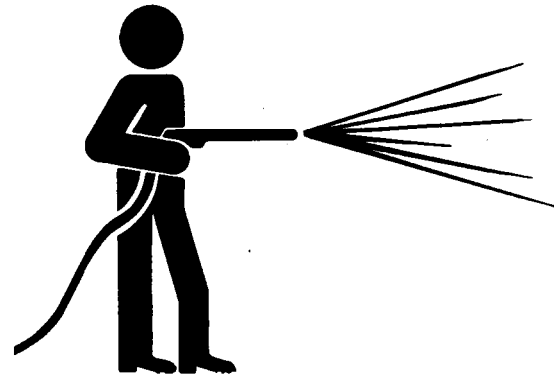
DX,FIRE2 -19-03MAR93

TS291 -UN-23AUG88

WORK IN CLEAN AREA

Before starting a job:

- Clean work area and machine.
- Make sure you have all necessary tools to do your job.
- Have the right parts on hand.
- Read all instructions thoroughly; do not attempt shortcuts.



DX,CLEAN -19-04JUN90

T6642EJ -UN-18OCT88

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