

3120, 3320, 3520 and 3720 Compact Utility Tractors Diagnostic and Repair



TECHNICAL MANUAL

Compact Utility models 3120, 3320, 3520, 3720

TM2138 20 JUN 13 (ENGLISH)

For complete service information also see:

Machine Connection Information

CTM441



John Deere Agriculture
Printed by Belgreen



Table of contents

FOREWORD

Section 10 - SAFETY

Group 05 - Safety

Section 20 - SPECIFICATIONS AND INFORMATION

Group 05 - General Specifications

Group 10 - Fuel and Lubricants

Group 15 - Serial Number Locations

Section 30 - ENGINE

Group 05 - Specifications

Group 10 - Component Location

Group 15 - Theory of Operation

Group 20 - Diagnostics

Group 25 - Tests and Adjustments

Group 30 - Repair

Section 40 - ELECTRICAL—NA

Group 05 - General Information

Group 10 - Specifications

Group 15 - Component Location

Group 20 - Schematics and Harnesses

Group 25 - Schematics and Harnesses MY08

Group 30 - Schematics and Harnesses MY13

Group 35 - Common Schematics and Harnesses

Group 40 - Operation and Diagnostics

Group 45 - Tests and Adjustments

Group 50 - Display Panel Tests and Adjustments

Group 55 - SERVICEGARD™ Tests and Adjustments

Group 60 - Service ADVISOR™ Test and Adjustments

Group 65 - Repair

Section 50 - ELECTRICAL—EEC

Group 05 - Specifications

Group 10 - Component Location

Group 15 - Schematics and Harnesses

Group 20 - Schematics and Harnesses MY08

Group 25 - Schematics and Harnesses—MY13

Group 30 - Common Schematics and Harnesses

Group 35 - Troubleshooting

Group 40 - Operation and Diagnostics

Section 60 - POWER TRAIN—PRT

Group 05 - Specifications

Group 10 - Component Location

Group 15 - Theory of Operation

Group 20 - Diagnostics

Group 25 - Troubleshooting

Group 30 - Tests and Adjustments

Group 35 - Repair

Section 70 - POWER TRAIN—HYDROSTATIC

Group 05 - Specifications

Group 10 - Component Location

Group 15 - Schematics

Group 20 - Theory of Operation

Group 25 - Diagnostics

Group 30 - Troubleshooting

Group 35 - Tests and Adjustments

Group 40 - Repair

Section 80 - POWER TRAIN—FINAL DRIVE

Group 05 - Specifications

Group 10 - Component Location

Group 15 - Theory of Operation

Group 20 - Diagnostics

Group 25 - Troubleshooting

Group 30 - Final Drive Troubleshooting

Group 35 - Tests and Adjustments

Group 40 - Repair

Group 45 - PTO Theory of Operation

Group 50 - PTO Repair

Section 90 - HYDRAULICS

Group 05 - Specifications

Group 10 - Component Location

Group 15 - Schematics

Group 20 - Theory of Operation

Group 25 - Diagnostics

Group 30 - Tests and Adjustments

Group 35 - Repair

Section 100 - STEERING

Group 05 - Specifications

Group 10 - Component Location

Group 15 - Theory of Operation

Group 20 - Diagnostics

Group 25 - Tests and Adjustments

Group 30 - Repair

Section 110 - BRAKES

Group 05 - Specifications

Group 10 - Component Location

Group 15 - Theory of Operation

Group 20 - Diagnostics

Group 25 - Tests and Adjustments

Group 30 - Repair

Section 120 - MISCELLANEOUS

Group 05 - Specifications

Group 10 - Repair

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.

**CAUTION:**

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.



Thank you very much
for your reading.
Please click here
to get more information.