

4120 (610001-), 4320 (620001-), Compact Utility Tractor (Without Cab), Tractor Repair



TECHNICAL MANUAL

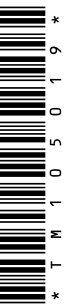
4120 (610001-), 4320 (620001-), Compact Utility Tractor (Without Cab), Tractor Repair

TM105019 09JUL13 (ENGLISH)

For complete service information also see:

Component Technical Manual 4024 Engine CTM301

John Deere Augusta Works
PRINTED IN U.S.A.



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.

DX,TMIFC -19-13MAY13-1/1

Preview Only

Contents

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—Tools and Materials
Group 15—Repair

Section 40—Electrical

Group 05—General Information
Group 10—Specifications
Group 15—Component Location
Group 20—Schematics and Harnesses
Group 25—Operation and Diagnostics
Group 30—Tests and Adjustments
Group 35—Repair
Group 40—Service Codes
Group 45—Electronic Controllers
Group 50—Operation and Diagnostics - DTCs (TCU)
Group 55—Operation and Diagnostics - DTCs (ICC)

Section 50—Electrical - European

Group 05—Specifications
Group 10—Component Location
Group 15—Schematics and Harnesses
Group 20—Operation and Diagnostics
Group 25—Service Codes
Group 30—Electronic Controllers
Group 35—Operation and Diagnostics - DTCs (TCU)
Group 40—Operation and Diagnostics - DTCs (ICC)

Section 60—Power Train - PRT

Group 05—Specifications
Group 10—Component Location
Group 15—Theory of Operation
Group 20—Tests and Adjustments
Group 25—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—Tests and Adjustments

Group 35—Repair

Section 80—Power Train - Final Drive

Group 05—Specifications
Group 10—Component Location
Group 15—Theory of Operation
Group 20—Diagnostics
Group 25—Tests and Adjustments
Group 30—Repair
Group 35—PTO Theory of Operation
Group 40—PTO Repair

Section 90—Hydraulics

Group 05—Specifications
Group 10—Component Location
Group 15—Schematics & Harnesses
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

Original Instructions. 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.

COPYRIGHT © 2013
DEERE & COMPANY
Moline, Illinois
All rights reserved.
A John Deere ILLUSTRATION © Manual
Previous Editions
Copyright © 2008, 2009, 2011, 2012

Preview Only

Section 10 Safety

Contents

	Page
Group 05—Safety	
Recognize Safety Information	10-05-1
Understand Signal Words.....	10-05-1
Replace Safety Signs	10-05-1
Handle Fluids Safely—Avoid	
Fires.....	10-05-2
Prepare for Emergencies.....	10-05-2
Prevent Battery Explosions	10-05-2
Prevent Acid Burns.....	10-05-3
Wear Protective Clothing.....	10-05-3
Avoid High-Pressure Fluids.....	10-05-4
Avoid Heating Near Pressurized	
Fluid Lines	10-05-4
Service Machines Safely	10-05-4
Use Proper Tools	10-05-5
Park Machine Safely.....	10-05-5
Support Machine Properly	10-05-5
Use Proper Lifting Equipment.....	10-05-6
Work in Clean Area	10-05-6
Protect Against High Pressure	
Spray	10-05-6
Illuminate Work Area Safely	10-05-7
Work In Ventilated Area.....	10-05-7
Remove Paint Before Welding or	
Heating	10-05-7
Avoid Harmful Asbestos Dust.....	10-05-8
Service Tires Safely.....	10-05-8
Stay Clear of Rotating Drivelines.....	10-05-9
Service Cooling System Safely	10-05-9
Dispose of Waste Properly	10-05-10
Handle Chemical Products Safely.....	10-05-10
Live With Safety.....	10-05-10