

9009A TerrainCut Rough Mower (S.N. 010001-)



JOHN HARE



COLLECTION

TECHNICAL MANUAL

TerrainCut™ Rough Mower 9009A (S.N. 010001-)

TM137719 07MAR16 (ENGLISH)



John Deere

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.

DX,TMIFC-19-20140415

Section 10 - General Information

[Group 05 - Safety](#)
[Group 10 - General Specifications](#)
[Group 15 - Fuels and Lubricants](#)
[Group 20 - Machine Specifications](#)

Section 20 - Engine Repair

[Group 10 - Engine](#)
[Group 20 - Cooling](#)

Section 30 - Electrical Repair

[Group 10 - Alternator, Battery, and Starter](#)
[Group 20 - Wiring Harnesses](#)

Section 40 - Power Train Repair

[Group 10 - Power Train](#)

Section 50 - Hydraulic Repair

[Group 10 - Hydraulic Valves and Cylinders](#)
[Group 20 - Hydraulic Pump](#)
[Group 30 - Hydraulic Motors](#)

Section 60 - Steering Repair

[Group 10 - Steering](#)

Section 70 - Attachments Repair

[Group 10 - Rotary Cutting Unit](#)

Section 80 - Miscellaneous Repair

[Group 10 - Miscellaneous](#)
[Group 20 - Operator's Station](#)

Section 220 - Engine Operation, Tests, and Adjustments

[Group 10 - Theory of Operation](#)
[Group 20 - Diagnosis](#)
[Group 30 - Fuel and Air Operation, Tests, and Adjustments](#)
[Group 40 - Turbocharger Operation, Tests, and Adjustments](#)
[Group 50 - Tests and Adjustments](#)

Section 230 - Electrical Operation, Tests, and Adjustments

[Group 10 - Component Location](#)
[Group 20 - Theory of Operation](#)
[Group 30 - Diagnosis](#)
[Group 40 - Connectors](#)
[Group 50 - Schematics](#)
[Group 60 - Tests and Adjustments](#)

Section 240 - Controllers Operation, Tests,

and Adjustments

[Group 10 - Set Up, PDU](#)
[Group 15 - Theory of Operation](#)
[Group 20 - DPF Theory and Functions](#)
[Group 25 - Diagnose - DTCs, PDU](#)
[Group 30 - Diagnose - DTCs, VCU](#)
[Group 50 - Diagnose - DTCs, ECU 000001 - 000199](#)
[Group 51 - Diagnose - DTCs, ECU 000200 - 000699](#)
[Group 52 - Diagnose - DTCs, ECU 000700 - 001999](#)
[Group 53 - Diagnose - DTCs, ECU 002000 - 002999](#)
[Group 54 - Diagnose - DTCs, ECU 003000 - 003999](#)
[Group 55 - Diagnose - DTCs, ECU 004000 - 529999](#)
[Group 60 - Tests and Adjustments](#)

Section 250 - Power Train Operation, Tests, and Adjustments

[Group 10 - Component Location](#)
[Group 20 - Theory of Operation](#)
[Group 30 - Diagnosis](#)
[Group 40 - Tests and Adjustments](#)

Section 260 - Hydraulics Operation, Tests, and Adjustments

[Group 10 - Component Location](#)
[Group 20 - Theory of Operation](#)
[Group 30 - Schematics](#)
[Group 40 - Diagnosis](#)
[Group 50 - Tests and Adjustments](#)

Section 270 - Steering and Brake Operation, Tests, and Adjustments

[Group 10 - Component Location](#)
[Group 20 - Theory of Operation](#)
[Group 30 - Diagnosis](#)
[Group 40 - Tests and Adjustments](#)

Section 280 - Attachments Operation, Tests, and Adjustments

[Group 10 - Component Location](#)
[Group 20 - Theory of Operation](#)
[Group 30 - Diagnosis](#)
[Group 40 - Tests and Adjustments](#)

Section 299 - Service Tools

[Group 10 - Tools and Kits](#)

Section 10

General Information

Contents

	Page		Page
Group 05 - Safety		Metric Bolt and Screw Torque Values.....	10-10-1
Recognize Safety Information	10-05-1	Unified Inch Bolt and Screw Torque Values	10-10-2
Understand Signal Words.....	10-05-1	Metric Cap Screw Torque Values - Grade 7	10-10-2
Replace Safety Signs	10-05-1	Service Recommendations for O-Ring Boss Fittings.....	10-10-3
Handle Fluids Safely - Avoid Fires	10-05-2	Service Recommendations For Flat Face O-Ring Seal Fittings	10-10-4
Prepare for Emergencies.....	10-05-2		
Prevent Battery Explosions	10-05-2	Group 15 - Fuels and Lubricants	
Prevent Acid Burns	10-05-3	Diesel Fuel	10-15-1
Wear Protective Clothing	10-05-3	Diesel Fuel Storage	10-15-1
Avoid High-Pressure Fluids	10-05-3	Engine Oil	10-15-2
Avoid Heating Near Pressurized Fluid Lines	10-05-4	Oil Filters	10-15-2
Service Machines Safely	10-05-4	Hydrostatic Transmission and Hydraulic Oil.....	10-15-2
Use Proper Tools	10-05-4	Biodegradable Oil	10-15-3
Park Machine Safely.....	10-05-4	Converting From HY-GARD to BIO HY-GARD	10-15-3
Support Machine Properly	10-05-5	Grease - North America	10-15-3
Use Proper Lifting Equipment.....	10-05-5	Grease - Europe	10-15-4
Work in Clean Area	10-05-5	Alternative Lubricants	10-15-4
Using High-Pressure Washers	10-05-5	Synthetic Lubricants	10-15-4
Protect Against High Pressure Spray	10-05-6	Lubricant Storage	10-15-4
Illuminate Work Area Safely	10-05-6	Mixing of Lubricants	10-15-4
Work In Ventilated Area.....	10-05-6	Diesel Engine Coolant.....	10-15-5
WARNING: California Proposition 65 Warning.....	10-05-6	John Deere COOL-GARD™ II Coolant Extender..	10-15-5
Remove Paint Before Welding or Heating.....	10-05-7	Diesel Engine Coolant Drain Interval - North America.....	10-15-6
Avoid Harmful Asbestos Dust.....	10-05-7	Diesel Engine Coolant Drain Interval - Europe.....	10-15-6
Follow Tire Recommendations	10-05-7		
Stay Clear of Rotating Drivelines.....	10-05-8	Group 20 - Machine Specifications	
Service Cooling System Safely	10-05-8	Machine Specifications.....	10-20-1
Dispose of Waste Properly	10-05-9	Serial Number Location.....	10-20-1
Handle Chemical Products Safely	10-05-9	Product Identification Number	10-20-1
Live With Safety.....	10-05-9	Engine Serial Number	10-20-2
Group 10 - General Specifications			



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