RSX860E and RSX860M Gator™ Recreational Vehicles

(Serial No.010001-)



JOHN HARE



TECHNICAL MANUAL RSX860E and RSX860M Gator™ Recreational Vehicles (Serial No.010001-)

TM149819 01DEC18 (ENGLISH)



John Deere Horicon Works

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-19-20140415

Section 10 - General Information

Group 05 - Safety

Group 10 - General Specifications

Group 15 - Fuel and Lubricants

Group 20 - Machine Specifications

Section 20 - Engine Repair

Group 10 - Repair

Section 30 - Fuel and Air Repair

Group 10 - Air Intake and Exhaust Systems

Group 20 - Fuel System

Section 40 - Electrical Repair

Group 10 - Battery, Starter

Group 20 - Wiring Harnesses

Section 50 - Power Train Repair

Group 10 - Transmission

Group 20 - Rear Drive Unit

Group 30 - Axles and Driveshaft

Group 40 - Mechanical Four Wheel Drive

Section 60 - Steering and Brake Repair

Group 10 - Steering Repair

Group 20 - Brake Repair

Section 70 - Miscellaneous Repair

Group 05 - Wheels

Group 10 - Hood, Cargo Box, and Bumper

Group 15 - Miscellaneous

Section 80 - Operator's Station Repair

Section 220 - Engine Operation, Tests, and Adjustments

Group 10 - Component Location

Group 20 - Theory or Operation

Group 30 - Diagnosis

Group 40 - Test and Adjustments

Section 230 - Fuel and Air Operation, Tests, and Adjustments

Group 10 - Component Location

Group 20 - Theory of Operation

Group 30 - Test and Adjustments

Section 240 - Electrical Operation, Tests, and Adjustments

Group 10 - Component Location

Group 20 - Theory of Operation

Group 30 - Tests and Adjustments

Group 40 - Schematics

Group 50 - Schematics, Kits

Group 60 - Connector Information

Section 250 - Control Unit Operation, Tests, and Adjustments

Group 10 - Theory of Operation

Group 20 - Diagnostic Trouble Codes, ICC

Group 30 - Diagnostic Trouble Codes, ECU

Group 40 - Diagnostic Trouble Codes, SCU

Group 50 - Service ADVISOR Readings

Group 60 - Tests and Adjustments

Section 260 - Power Train Operation, Tests, and Adjustments

Group 10 - Component Location

Group 28 - Theory of Operation

Group 30 - Test and Adjustments

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

Group 10 - Component Location

Group 20 - Theory of Operation

Group 30 - Diagnosis

Group 40 - Test and Adjustments

Section 299 - Service Tools

Group 10 - Service Tools and Kits

Section 10

General Information

Contents

	Page		Page
Group 05 - Safety		Live With Safety	<u>10-05-7</u>
Recognize Safety Information	<u>10-05-1</u>	Group 10 - General Specifications	
Understand Signal Words	<u>10-05-1</u>	Service Recommendations for O-Ring Boss	<u>10-10-1</u>
Practice Safe Maintenance	<u>10-05-2</u>	Fittings	
Use Proper Tools	<u>10-05-2</u>	Service Recommendations For Flat Face O-Ring Seal Fittings	<u>10-10-2</u>
Handle Fluids Safely-Avoid Fires	<u>10-05-2</u>	Metric Cap Screw Torque Values-Grade 7	10 10 2
Drain Gasoline When Storing Machine	<u>10-05-3</u>		
Handling Batteries Safely	<u>10-05-3</u>	•	<u>10-10-3</u> 10-10-4
Prepare for Emergencies	<u>10-05-4</u>	Unified Inch Bolt and Screw Torque Values	<u>10-10-4</u>
Park Machine Safely	<u>10-05-4</u>	Group 15 - Fuel and Lubricants	
Support Machine Properly	<u>10-05-4</u>	Gasoline Engine Oil	<u>10-15-1</u>
Wear Protective Clothing	<u>10-05-4</u>	Oil Filters	<u>10-15-1</u>
Work in Clean Area	<u>10-05-5</u>	Gasoline Fuel for 4-Cycle Engines	<u>10-15-1</u>
Service Machines Safely	<u>10-05-5</u>	Transmission and Hydraulic Oil	<u>10-15-1</u>
Work In Ventilated Area	<u>10-05-5</u>	Grease	<u>10-15-2</u>
Illuminate Work Area Safely	<u>10-05-5</u>	Mixing of Lubricants	<u>10-15-2</u>
Replace Safety Signs	<u>10-05-6</u>	Alternative and Synthetic Lubricants	<u>10-15-2</u>
Use Proper Lifting Equipment	<u>10-05-6</u>	Lubricant Storage	<u>10-15-2</u>
Follow Tire Recommendations	<u>10-05-6</u>	Group 20 - Machine Specifications	
Protect Against High Pressure Spray	<u>10-05-6</u>	Machine Specifications RSX860i	<u>10-20-1</u>
<u>Decommissioning - Proper Recycling and Disposal</u> of Fluids and Components	<u>10-05-7</u>	Product Identification Number Location	<u>10-20-1</u>



Thank you very much for your reading.

Please click here to get more information.