John Deere Mobile Weather Technical Manual (S.N. PCXL01A or B)



TECHNICAL MANUAL

John Deere Mobile Weather (S.N. PCXL01A or B)

TM118719 28FEB24 (ENGLISH)

Preview

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 -19-20SEP22-1/1



Contents

Section 210—General Information

Group 05A—Safety

Group 05B—General References

Group 05C—References for Technical Information

Group 20—Theory of Operation

Group 100A—Factory Support Information

Section 212—Observable Symptom and System Diagnostics

Group 45—Electronic Control Units

Section 240—Electrical

Group 05—General Information

Group 50—Diagnostic Tests and Adjustments

Section 245—Electronic Control Units

Group 05—General Information

Group 10A—Operational and Preliminary Checks

Group 10B—Interactive Tests and Calibrations

Group 10C—Programming Electronic Control Units

Group 30A—Schematic

Group 30B—Schematic

Group 30C—Schematic

Group 50A—Diagnostic Tests and Adjustments for

4730, 4830 4930, and 4940 Sprayers MY14

Group 50B—Diagnostic Tests and Adjustments for R4030, R4038 and R4045 Sprayers MY14

Group 50C—Diagnostic Tests and Adjustments for

R4030, R4038 and R4045 Sprayers MY18

Section 249—Electrical Component Information

Group 05—General Information

Group 40A—Electrical Assemblies

Group 40B—Sensors

Group 40W—Wiring Harnesses

Group 40X—Interconnects and Ground Points

Section 300—Tools

Group 05—General Information

Group 05B—Special Tools

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 © 2020
DEERE & COMPANY
Moline, Illinois
All rights reserved.
A John Deere ILLUSTRUCTION ™ Manual
Previous Editions
Copyright © 2011 - 2019



Section 210 General Information

Contents

	Page
Group 05A—Safety	
Recognize Safety Information	210-05A-1
Understand Signal Words	
Follow Safety Instructions	210-05A-1
Practice Safe Maintenance Use Steps and Handholds	210-05A-2
Correctly	210-05A-2
Handle Electronic Components	210 00/12
and Brackets Safely	210-05A-3
Avoid Electrical Power Lines	
Group 05B—General References Information Available in Sections,	
Groups and Subgroups	210-05B-1
Trademarks	
Group 05C—References for Technica	
Display	210-05C-1
Application Controller 1120	
Weather Sensor	210-05C-2
Group 20—Theory of Operation	
Theory of Operation	210-20-1
Basic Controller Area Network	+ O
(CAN) Theory of Operation	210-20-2
Group 100A—Factory Support Information	
Well Prepared DTAC Case	210-100A-1
Well Prepared DTAC Case	
Example	210-100A-3