Compact Utility Tractors 3032E, 3036E, and 3038E Series

TECHNICAL MANUAL

3032E, 3036E, and 3038E Compact Utility Tractor, Tractor Repair, Test and Adjustments

TM100619 24AUG21 (ENGLISH)

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



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—Diesel

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

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

Section 45—Export Electrical

Group 05—Component Location

view Onl Group 10—Schematics and Harnesses

Group 15—Operation and Diagnostics

Section 50—Power Train

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 60—Hydraulics

Group 05—Specifications

Group 10—Component Location and Schematics

Group 15—Theory of Operation Group 20—Troubleshooting Group 25—Tests and Adjustments Group 30—Repair

Section 70—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 80—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 90—Miscellaneous

Group 05—Specifications

Group 10—Component Location

Group 15—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 @ 2021 DEERE & COMPANY Moline, Illinois
> All rights reserved.
> A John Deere ILLUSTRUCTION ™ Manual
> Previous Editions
> Copyright © 2008, 2011, 2019



Section 10 Safety

Contents

	Page
Group 05—Safety	
Recognize Safety Information	10-05-1
Understand Signal Words	10-05-1
Replace Safety Signs	
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	
Service Machines Safely	
Use Proper Tools	
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	
Work In Ventilated Area	10-05-7
Remove Paint Before Welding or	· . O
Heating	10-05-7
Avoid Harmful Asbestos Dust	
Service Tires Safely	10-05-8
Stay Clear of Rotating Drivelines	10-05-9
Service Cooling System Safely	. 10-05-10
Decommissioning — Proper	
Recycling and Disposal of Fluids	
and Components	. 10-05-10
Handle Chemical Products Safely	
Live With Safety	. 10-05-11