

# **329D and 333D Skid Steer Loader Operation and Test (EH Controls)**

## **OPERATION & TEST TECHNICAL MANUAL**

### **329D and 333D Skid Steer Loader Operation and Test (EH Controls)**

TM11454 19MAR19 (ENGLISH)



**Worldwide Construction  
And Forestry Division**  
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.

TX,INTR,MB52 -19-12SEP97-1/1

We need your help to continually improve our technical publications. Please copy this page and FAX or mail your comments, ideas and improvements.

**FAX NUMBER:** 1-563-589-5800 (USA)

Page Number: \_\_\_\_\_

Ideas, Comments:

Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

**THANK YOU!**

TX, TM, FAX -19-03JUL01-1/1



# Contents

## Section 9000—General Information

Group 01—Safety

## Section 9900—Dealer Fabricated Tools

Group 99—Dealer Fabricated Tools

## Section 9001—Diagnostic Trouble Codes (DTCs)

Group 10—Engine Control Unit (ECU) Diagnostic Trouble Codes

Group 20—Engagement and Monitor Unit (EMU) Diagnostic Trouble Codes

Group 30—Hydraulic Control Unit (HCU) Diagnostic Trouble Codes

Group 40—Left Joystick Controller (JSL)

Group 50—Right Joystick Controller (JSR)

## Section 9005—Operational Checkout Procedure

Group 10—Operational Checkout Procedure

## Section 9010—Engine

Group 05—Theory of Operation

Group 15—Diagnostic Information

Group 25—Tests

## Section 9015—Electrical System

Group 05—System Information

Group 10—System Diagrams

Group 15—Sub-System Diagnostics

Group 16—Monitor Operation

Group 20—References

## Section 9020—Power Train

Group 05—Theory of Operation

Group 15—Diagnostic Information

Group 25—Tests

## Section 9025—Hydraulic System

Group 05—Theory of Operation

Group 15—Diagnostic Information

Group 25—Tests

## Section 9026—Hydrostatic System

Group 05—Theory of Operation

Group 15—Diagnostic Information

Group 25—Tests

## Section 9031—Heating and Air Conditioning

Group 05—Theory of Operation

Group 15—Diagnostic Information

Group 25—Tests

*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 © 2019  
DEERE & COMPANY  
Moline, Illinois

All rights reserved.  
A John Deere ILLUSTRATION™ Manual  
Previous Editions

Copyright © 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018



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