

3025E, 3032E and 3038E Compact Utility Tractors Diagnostic and Repair Manual

(PIN. HJ_XXXXXX—)



JOHN HARE



COLLECTION

TECHNICAL MANUAL

**3025E, 3032E and 3038E Compact Utility Tractors
(PIN. HJ_XXXXXX—)**

TM151719 01DEC18 (ENGLISH)



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-19-20130513

<p>Section 10 - General Information Group 05A - Safety Group 05B - General References Group 05C - Technical Specific References Group 05D - Fuel and Lubricants Group 05E - Serial Number Locations</p> <p>Section 20 - Engine Repair Group 05 - Engine Group 10 - Cooling System</p> <p>Section 30 - Fuel, Air Intake, and Exhaust Repair Group 05 - Fuel Group 10 - Air Intake Group 20 - Exhaust</p> <p>Section 40 - Electrical Repair Group 05 - Battery, Starter and Alternator Group 10 - Electrical System Components</p> <p>Section 50 - Drive System and Transmissions Repair Group 05 - Separation Group 10 - Power Train Group 15 - MFWD Group 20 - Differential Group 25 - PTO</p> <p>Section 60 - Steering and Brake Repair Group 05 - Steering Group 10 - Brake</p> <p>Section 70 - Hydraulics Repair Group 05 - Hydraulic Pump and Filter Group 10 - Rockshaft Group 20 - Range Control and Three Point Hitch Group 25 - Selective Control Valve Group 30 - Hydraulic Lines</p> <p>Section 80 - Miscellaneous Repair Group 05 - Hood and Side Panels Group 10 - Fenders Group 15 - Wheels</p> <p>Section 90 - Operator`s Station Repair</p> <p>Section 211 - Diagnostic Trouble Codes Group 05 - General References Group ICC - Instrument Cluster Control (ICC) Diagnostic Trouble Codes Group ECU - Engine Control Unit (ECU) Diagnostic Trouble Codes</p> <p>Section 212 - Observable Symptoms and System Diagnostics Group 05 - General References Group 20 - Engine System Diagnostics Group 30 - Fuel, Air Intake, Exhaust, and Cooling System Diagnostics Group 40 - Electrical System Diagnostics Group 45 - Electronic Control Unit System Diagnostics Group 50 - Drive Systems and Transmission System</p>	<p>Diagnostics Group 60 - Steering and Brakes System Diagnostics Group 70 - Hydraulic System Diagnostics</p> <p>Section 220 - Engine Operation, Test, and Adjustments Group 05 - General References Group 10 - Calibrations, Preliminary Checks and Operational Checks Group 20 - Theory of Operation Group 50 - Tests and Adjustments</p> <p>Section 230 - Fuel , Air Intake, Exhaust, and Cooling Operation, Test, and Adjustments Group 05 - General References Group 10 - Calibrations, Preliminary Checks and Operational Checks Group 20 - Theory of Operation Group 40 - Component and Connector Information Group 50 - Tests and Adjustments</p> <p>Section 240A - Electrical General and Theory of Operation Group 05 - General References Group 20A - Key Switch, Starter and Alternator Theory of Operation Group 20B - Instrument Cluster Control (ICC) Theory of Operation Group 20C - Engine Control Unit (ECU) Theory of Operation Group 20D - Lights, Turn Signals, Cruise Control Theory of Operation</p> <p>Section 240B - Electrical Schematics Group 05 - General References Group 30AA - Starting and Charging-with ECU (SE1A) Group 30AB - Starting and Charging-without ECU (SE1B) Group 30BA - Lighting-without License Light (SE2A) Group 30BB - Lighting-with License Light (SE2B) Group 30BC - Brake Switch, Horn, and Rear Trailer Connector (SE2C) Group 30CA - Instrument Cluster Control (ICC) (SE3) Group 30DA - Engine Control Unit (ECU) (SE4) Group 30FA - Cruise Control Kit (SE6) Group 30GA - Electrical Harness Diagrams</p> <p>Section 240C - Electrical Components and Connectors Group 05 - General References Group 40AA - Starting and Charging-with ECU (SE1A) Group 40AB - Starting and Charging-without ECU (SE1B) Group 40BA - Lighting-without License Light (SE2A) Group 40BB - Lighting-with License Light (SE2B) Group 40BC - Brake Switch, Horn, and Rear Trailer Connector (SE2C) Group 40CA - Instrument Control Cluster (ICC)</p>
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(SE3)

[Group 40DA - Engine Control Unit \(ECU\) \(SE4\)](#)
[Group 40FA - Cruise Control Kit \(SE6\)](#)
[Group 40ZA - Fuses and Relays](#)
[Group 40ZB - Ground Points](#)
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Section 240D - Electrical Tests and Adjustments

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Section 245 - Electronic Control Units

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[Group ICC - Instrument Cluster Control \(ICC\)](#)
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Section 250 - Drive System and Transmission Operation, Test, and Adjustments

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Section 260 - Steering and Brakes Operation, Test, and Adjustments

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[Group 10B - Calibrations, Preliminary Checks and Operational Checks-Brakes](#)

[Group 20A - Theory of Operation-Steering](#)

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[Group 30A - Schematics-Steering](#)

[Group 40A - Component and Connector Information-Steering](#)

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[Group 50A - Tests and Adjustments-Steering](#)

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Section 270 - Hydraulics Operation, Test, and Adjustments

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Section 290 - Cab/Open Operators Station Operation, Test, and Adjustments

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Section 299 - Service Tools

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