

General Information

Product View



Cab

RXA0162034—UN—07FEB18



Open Operator Station

RXA0162035—UN—07FEB18

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Trademarks

AdBlue™	Trademark of VDA, the German Association of the Automotive Industry
AutoTrac™	Trademark of Deere & Company
Bio Hy-Gard™	Trademark of Deere & Company
Bluetooth®	Trademark of Bluetooth SIG
Break-In Plus™	Trademark of Deere & Company
Cool-Gard™	Trademark of Deere & Company
CoolScan™	Trademark of Deere & Company
Field Office™	Trademark of Deere & Company
Grease-Gard™	Trademark of Deere & Company
GreenStar™	Trademark of Deere & Company
Hy-Gard™	Trademark of Deere & Company
JDLink™	Trademark of Deere & Company
Oilscan™	Trademark of Deere & Company
Plus-50™	Trademark of Deere & Company
PowerTech™	Trademark of Deere & Company
PowrReverser™	Trademark of Deere & Company
PowrReverser Plus™	Trademark of Deere & Company
Quik-Tatch™	Trademark of Deere & Company
SeedStar™	Trademark of Deere & Company
Service ADVISOR™	Trademark of Deere & Company
SERVICEGARD™	Trademark of Deere & Company
StarFire™	Trademark of Deere & Company
SyncShuttle™	Trademark of Deere & Company
Teflon®	Trademark of DuPont Co.

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Glossary of Terms

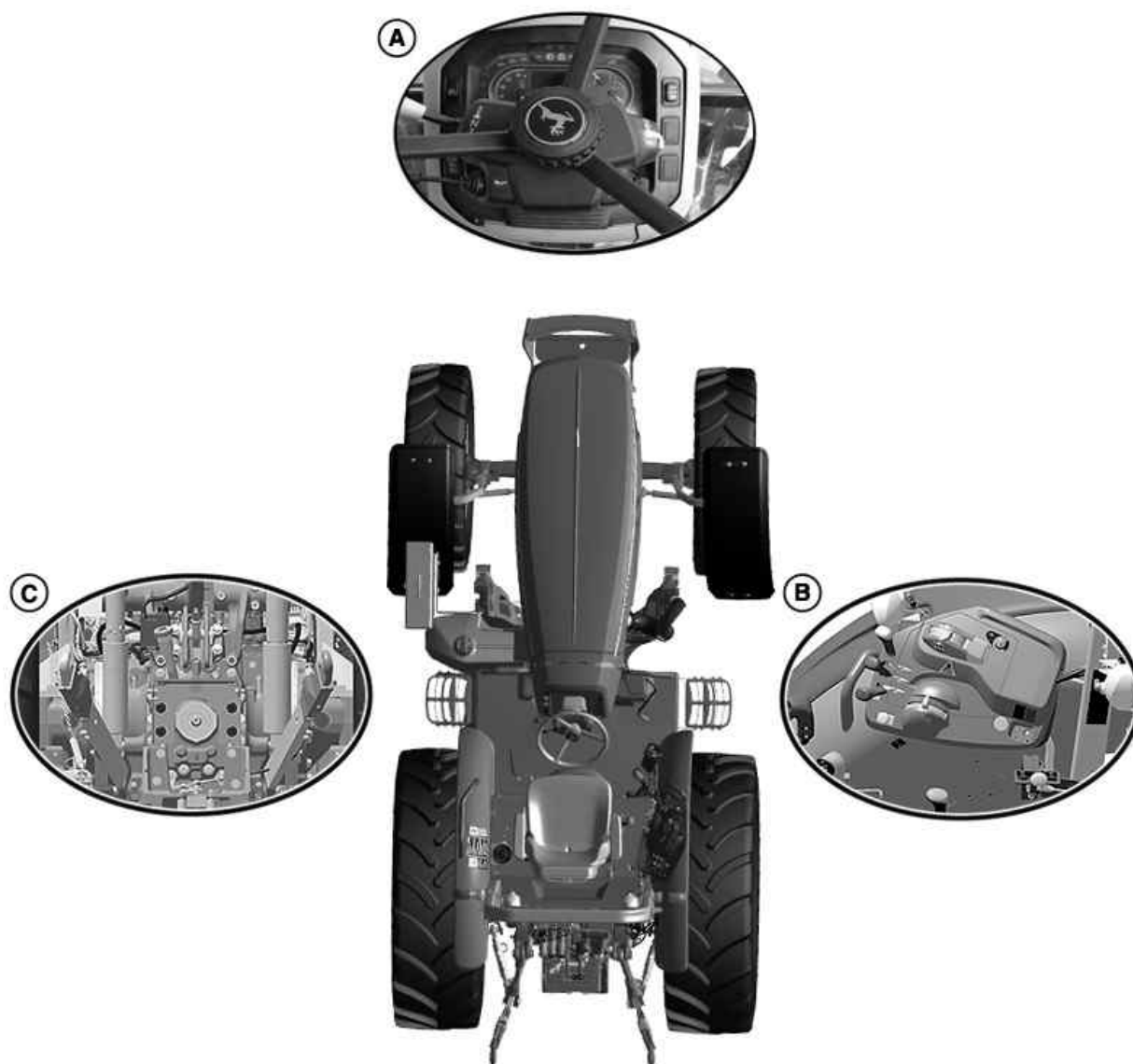
ITEM	ABBREVIATION	DESCRIPTION
Air Conditioning	A/C	System used for cooling the air in the cab
Alternating Current	AC	Electrical current that reverses its direction at regularly recurring intervals
Accessory	ACC	Secondary electrical system
Armrest Interface Control	AIC	Electronic Control Unit
Agricultural Management System	AMS	Used with machine automatic guidance system
AutoTrac™ Universal	ATU	Automatic guidance system
Battery	Bat	A device used to furnish electrical current
Controller Area Network	CAN	A communication system linking on-board electronics
Cold Cranking Amperes	CCA	Measured capability of battery to perform during cold-weather operation
Chassis Control Unit	CCU	Electronic Control Unit
Counterclockwise	CCW	Direction opposite the rotation of the hands of a clock
Cab Load Center	CLC	Electronic Control Unit
Cab Switch Module	CSM	Electronic Control Unit
Clockwise	CW	Direction in which the hands of a clock rotate
Direct Current	DC	Electrical current flowing in one direction only
Diagnostic Receptacle	DR	A connection where hydraulic pressure can be measured
Engine Control Unit	ECU	Electronic Control Unit
Economic Commission for Europe	ECE	Abbreviation
Electro-Hydraulic	EH	Hydraulic valve function that is controlled electrically
Engine Interface Control	EIC	Electronic Control Unit
Electronic Components Relay	ELX	Relay powering most of the electronic components
Front Console Control	FCC	Electronic Control Unit
Forward-Neutral-Reverse	FNR	Abbreviation
Forward	FWD	Direction of movement
Gallons per Minute	gpm	Amount of fluid displaced over a period of one minute
GreenStar™ Display	GSD	Abbreviation
Heating, Ventilating, and Air Conditioning	HVAC	Abbreviation
Hitch Control Unit	HCC	Electronic Control Unit
Hitch Valve Control	HV1	Electronic Control Unit
Inside Diameter	ID	Abbreviation
Ignition	IGN	Control for starting and stopping the machine
International Standards Organization	ISO	Standards organization
JDLINK Control Unit	JDL	Electronic Control Unit
Joint Industry Council Organization	JIC	Standards organization
Left-Hand	LH	Abbreviation
Liquid Crystal Display	LCD	A technology used for displaying information
Mechanical	Mech	Abbreviation
Mechanical Front-Wheel Drive	MFWD	A mechanically powered front axle
Multi-Function Control	MFC	Electronic Control Unit
Negative	Neg (—)	Electrical Ground Circuit
Number	No.	Abbreviation
Open Center Hydraulics	OC	Abbreviation
Outside Diameter	OD	Abbreviation
Original Equipment Manufacturer	OEM	Abbreviation
Operator Interface Control	OIC	Electronic Control Unit
Open Operator Station	OOS	Abbreviation
O-ring Face Seal	ORFS or ORS	A type of seal used in hydraulic connections
Primary Display Unit	PDU	Electronic Control Unit
Pressure Flow Compensated Hydraulics	PFC	Abbreviation

General Information

ITEM	ABBREVIATION	DESCRIPTION
Product Identification Number	PIN	Serial number relating to machine identification
Positive	Pos (+)	Charged part of an electrical circuit
Partial Power Shift Transmission	PPST	Abbreviation
Front PTO Control	PTF	Electronic Control Unit
Power Take-Off	PTO	Abbreviation
PowerTech™ E	PTE	Electronically controlled fuel injection
Power Transmission Utility	PTU	Electronic Control Unit
Reverse	Rev	Direction of movement
Right-Hand	RH	Abbreviation
Roll-Over Protective Structure	ROPS	Abbreviation
Revolutions per Minute	rpm	Abbreviation
Rear PTO Control	RPT	Electronic Control Unit
Society of Automotive Engineers	SAE	Engineering Standards Organization
Selective Control Valve	SCV	Device used to control remote hydraulic functions
SCV Sequence Control	SMB	Electronic Control Unit
Slow Moving Vehicle	SMV	Warning sign on the rear of the machine
Specification	Spec	Abbreviation
Tachometer	Tach	Abbreviation
Temperature	Temp	Abbreviation
Transmission Interface Utility	TIU	Electronic Control Unit
Transmission	Trans	Abbreviation
Voltage (Volts)	V	Abbreviation
Vehicle Load Center	VLC	Electronic Control Unit
Virtual Terminal Vehicle	VTV	Electronic Control Unit
Without	W/O	Abbreviation
Wide-Open Throttle	WOT	Full throttle
AutoTrac™ Main Control	XMC	Electronic Control Unit
AutoTrac™ Supervisor Control	XSC	Electronic Control Unit
Two-Wheel Drive	2WD	Vehicle where only one pair of wheels is powered

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Machine Overview



A—Front Console Controls
B—Right Side Controls

C—Rear Implement Interface

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IMPORTANT: READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages. (See your John Deere dealer to order.)

Review manual sections for Controls and Instruments identification, Steering and Brakes, Transmission, and Transportation before operation on the road or in the field.

Operating the Machine Introduction:

- Sit in the operator seat and fasten seat belt.
- Start engine. (See Engine Operation section.)
- Turn on lights or signals as required. (See Electrical and Lighting Operation section.)
- Operate transmission to move machine. (See Transmission Operation section.)
- Use steering and brakes as required. (See Steering and Brake Operation section.)
- Activate features and implements as required. (See Operational sections.)

Preliminary Overview

Use the following list as a reminder to inspect items before operation. Detailed operation and service information is available in the relevant Operational and Maintenance sections.

- Review manual and machine for safety information and safety signs.
- Review manual for proper operation, adjustment, and service.
- Review manual for engine and drivetrain operations. (Throttles, brakes, steering, transmission gears, MFWD, and differential lock.)
- Review manual for control devices (hitch, hydraulic, and electrical).
- Review manual for regular lubrication points and intervals.
- Check for visual signs of leaks, damage, failures, and flat tires.
- Prepare machine hardware, fuel, fluids, lubricants, air, and daily maintenance.
- Check and prepare implements or attachments according to implement or attachment Operator Manuals.



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Using this Manual:

The information provided in this manual is divided into sections. The sections are organized by typical machine features or functional systems (Engine, Electrical, Hydraulic, Transmission, and so on). These sections are identified at the top of each page. Specific information within each section is organized into modules. These modules are enclosed in boxes and the main modules are identified by a heading at the top left. Page numbers identify the section as well as the number of the page in the section.

By reviewing this manual frequently, you learn which section to turn to for specific information. For example:

- Safety information is covered at the beginning.
- Operation of all features and systems is covered in the first half of the manual.
- Maintenance intervals are in the middle of the manual.
- Maintenance of all the features and systems is covered in the second half of the manual.
- Specifications are covered at the end.

A detailed table of contents appears before Safety information and there is an alphabetical index at the very end of the manual.

The Operator's Manual content flows as sequential reading down one column of text and graphic then over to the top of the next column as shown