318E, 319E, 3320E, 323E, 324E Skid Steer, Compact Track Loader (Manual Controls) Repair

PIN: 1T0318E_ _ _J249323—
PIN: 1T0319E_ _ _J249321—
PIN: 1T0320E_ _ _J249291—
PIN: 1T0323E_ _ _J249322—
PIN: 1T0324E_ _ _J297099—

JOHN HARE

COLLECTION

Repair Technical Manual

318E, 319E, 320E, 323E, 324E Skid Steer, Compact Track Loader (Manual Controls)

TM13010X19 01DEC18 (ENGLISH)

For complette service information also see:

319E, 323E Compact Track Loader (Manual Controls) Diagnostic	tm13008x19
318E, 320E, 324E Skid Steer Loaders (Manual Controls) Diagnostic	TM13006X19
4TNV98C and 4TNV98CT Diesel Engines (Final Tier 4/ Stage IV platform) Technical Manual	ctm120319
Hydraulic Cylinders	ctm120519

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John Deere

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.

 CAUTION:
This is the safety-alert symbol. When this symbol is seen on the machine or in this manual, be alert for the potential of personal injury.

Technical manuals are divided in two parts: repair and operation and tests. Repair sections tell how to repair the components. Operation and test sections help to quickly 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.

MM16284,0001A38-19-20151201

Manual Identification—READ THIS FIRST!

IMPORTANT:
Use only supporting manuals designated for specific machine. If incorrect manual is chosen, improper service may occur. Verify product identification number (PIN) when choosing the correct manual.

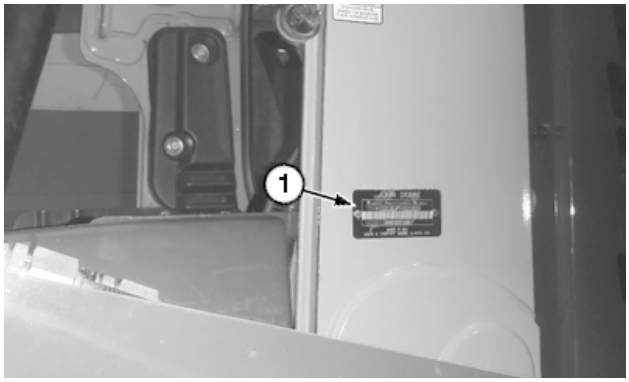
Choosing the Correct Supporting Manuals

John Deere skid steers are available in different machine configurations based on the various markets into which they are sold. Different supporting manuals exist for different machine configurations.

When necessary, product identification numbers (PINs) are listed on the front covers of skid steer manuals. These numbers are used to identify the correct supporting manual for machine.

For more information, see Engine Identification. (Section 3-2.)

Product Serial Number Identification



TX1140197-UN: PIN Plate Location

TX1140814-UN: Example of PIN Plate

LEGEND:
1-PIN Plate
2-17-Character PIN

The product identification number (PIN) plate (1) is located on the right side of machine above the boom lock. Each machine has a 17-character PIN (2) shown on PIN plate.

The PIN identifies the producing factory, machine model number, machine option, year of manufacture, engine emission level, and machine serial number.

The following is an example for a 318E machine that meets Final Tier 4 and Stage III A (37-56 kW) emission level:

17-Character PIN Example																
1	***2***	***3***	***4***	***5***	***6***	***7***	***8***	***9***	***10***	***11***	***12***	***13***	***14***	***15***	***16***	***17***
1	T	0	3	1	8	E	_	_	_	J	2	4	9	3	2	3
1	T	0	3	2	0	E	_	_	_	J	2	4	9	2	9	1
1	T	0	3	2	4	E	_	_	_	J	2	9	7	0	9	9

(1—3) World Code: Identifies location where machine is manufactured.

1T0	***World Code*** (manufacturing location)
1DW.....	Davenport Works
1T8.....	Thibodaux Works
1T0.....	Dubuque Works

(4—8) Machine Model Identifier: Identifies model number.

318E	***Machine Model Identifier***

_	***Machine Option Code***
A.....	Single Speed
B.....	2-Speed
E.....	Single Speed High Flow
F.....	2-Speed High Flow
J.....	Single Speed Electrohydraulic (EH)
K.....	2-Speed Electrohydraulic (EH)
L.....	Single Speed High Flow Electrohydraulic (EH)
M.....	2-Speed High Flow Electrohydraulic (EH)

(9) Check Letter: This is a random character assigned by the factory. This is not used in machine identification.

_	***Check Letter*** (variable)

(10) Manufacturing Year Code: Identifies year of machine manufacture.

_	***Manufacturing Year Code*** (variable)
C.....	2012
D.....	2013
E.....	2014
F.....	2015
G.....	2016

(11) Engine Emission Code: Represents engine emission certification.

J	***Engine Emission Code***
C.....	Tier 2 and Stage II
D.....	Tier 3 and Stage III A
E.....	Interim Tier 4 and Stage III B
F.....	Tier 4
G.....	Interim Tier 4 and Stage III A (19-56 kW)
H.....	Final Tier 4 and Stage III A (19-37 kW)
J.....	Final Tier 4 and Stage III A (37-56 kW)
K.....	Final Tier 4 (8-19 kW)

(12—17) Machine Serial Number: Identifies machine serial number. This character will change from one machine to another.

249323	***Machine Serial Number***

JK47244,00002BB-19-20160421

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General Information

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