310SK, 410K Backhoe Loaders With TMC Repair Manual

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REPAIR TECHNICAL MANUAL

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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 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.

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Manual Identification—READ THIS FIRST!

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

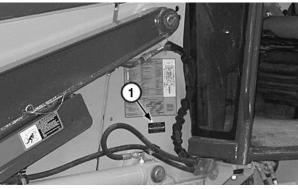
Choosing the Correct Supporting Manuals

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

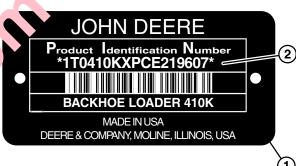
When necessary, product identification numbers are listed on the front covers of backhoe loader manuals. These numbers are used to identify the correct supporting manual for your machine.

Product Identification Number

The product identification number (PIN) plate (1) is located on the left-side of machine on the loader frame. Each machine has a 17-character PIN (2) shown on PIN place.



PIN Plate Location



Example of PIN Plate

1— PIN Plate

2—17-Character PIN

TX1108673 —UN—20FEB12

FX1107874A —UN—08FEB12

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

	17-Character PIN Examples															
(3)		(4)			(5)	(4)	(6)	(7)	(8)		(9)					
1	Т	0	3	1	0	Т	K			Е	2	1	9	6	0	7
1	Т	0	4	1	0	Т	K			Е	2	1	9	6	0	7

- (3)—World Code—Identifies location where machine is manufactured.
- (4)—Machine Model Identifier—Identifies model number.
- (5)—Machine Option Code—Identifies which major machine option is equipped. This character will change from one machine to another.
- (6)—Check Letter—This is a random character assigned by the factory. This is not used in machine identification.
- (7)—Manufacturing Year Code—Identifies year of machine manufacture.
- (8)—Engine Emission Code—Represents engine emission certification.
- (9)—Machine Serial Number—Identifies machine serial number. This character will change from machine to another.

The following is an example for a 410K TMC machine that meets Interim Tier 4/Stage III B emission levels:

1T0410TK_ _E219607

1T0	World Code (manufacturing location)
1DW	Davenport Works
1T8	Thibodaux Works
1T0	Dubuque Works
410_K	Machine Model Identifier
T	Machine Option Code
X	Base Machine
S	Super Duty
E	Easy Power (EP)
T	Total Machine Control (TMC) Configuration
	heck Letter (variable)
	Mա rufacturing Year Code (variable)
C	∠012
D	2013
F	2014
F	2015
C	2016
E	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)
219607	Machine Serial Number

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Section 06—Tor

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Group 9900—Dealer Fabricated Tools

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