I I 50L Crawler Dozer

SERVICE MANUAL

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SERVICE MANUAL

1150L XLT, With cab, Tier 3, Power Angle Tilt (PAT) Blade, Made in Brazil

Link Product / Engine

Product	Market Product	Engine
1150L XLT, com cabine, Tier 3,	Latin America	F4HE9684K*J100
lâmina Power Angle Tilt (PAT),		
feito no Brasil		

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Foreword - Important notice regarding equipment servicing

1150L XLT, With cab, Tier 3, Power Angle Tilt (PAT) Blade, Made in Brazil LA

All repair and maintenance work listed in this manual must be carried out only by qualified dealership personnel, strictly complying with the instructions given, and using, whenever possible, the special tools.

Anyone who performs repair and maintenance operations without complying with the procedures provided herein shall be responsible for any subsequent damages.

The manufacturer and all the organizations of its distribution chain, including - without limitation - national, regional, or local dealers, reject any responsibility for damages caused by parts and/or components not approved by the manufacturer, including those used for the servicing or repair of the product manufactured or marketed by the manufacturer. In any case, no warranty is given or attributed on the product manufactured or marketed by the manufacturer in case of damages caused by parts and/or components not approved by the manufacturer.

The manufacturer reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions, and illustrative material herein are as accurate as known at time of publication but are subject to change without notice.

In case of questions, refer to your CASE CONSTRUCTION Sales and Service Networks.

Foreword - How to use and navigate through this manual

1150L XLT, With cab, Tier 3, Power Angle Tilt (PAT) Blade, Made in Brazil LA

This manual has been produced by a new technical information system. This new system is designed to deliver technical information electronically through web delivery (eTIM), DVD, and paper manuals. A coding system called SAP has been developed to link the technical information to other Product Support functions, e.g., Warranty.

Technical information is written to support the maintenance and service of the functions or systems on a customer's machine. When a customer has a concern on their machine it is usually because a function or system on their machine is not working at all, is not working efficiently, or is not responding correctly to their commands. When you refer to the technical information in this manual to resolve that customer's concern, you will find all the information classified using the SAP coding, according to the functions or systems on that machine. Once you have located the technical information for that function or system, you will then find all the mechanical, electrical or hydraulic devices, components, assemblies, and sub assemblies for that function or system. You will also find all the types of information that have been written for that function or system: the technical data (specifications), the functional data (how it works), the diagnostic data (fault codes and troubleshooting), and the service data (remove, install adjust, etc.).

By integrating SAP coding into technical information, you will be able to search and retrieve just the right piece of technical information you need to resolve that customer's concern on his machine. This is made possible by attaching 3 categories to each piece of technical information during the authoring process.

The first category is the Location, the second category is the Information Type and the third category is the Product:

- LOCATION the component or function on the machine, that the piece of technical information is going to describe (e.g., Fuel tank).
- INFORMATION TYPE the piece of technical information that has been written for a particular component or function on the machine (e.g., Capacity would be a type of Technical Data describing the amount of fuel held by the fuel tank).
- PRODUCT the model for which the piece of technical information is written.

Every piece of technical information will have those three categories attached to it. You will be able to use any combination of those categories to find the right piece of technical information you need to resolve that customer's concern on their machine.

That information could be:

- · the procedure for how to remove the cylinder head
- · a table of specifications for a hydraulic pump
- · a fault code
- · a troubleshooting table
- · a special tool

Manual content

This manual is divided into Sections. Each Section is then divided into Chapters. Contents pages are included at the beginning of the manual, then inside every Section and inside every Chapter. An alphabetical Index is included at the end of each Chapter. Page number references are included for every piece of technical information listed in the Chapter Contents or Chapter Index.

Each Chapter is divided into four Information types:

- Technical Data (specifications) for all the mechanical, electrical or hydraulic devices, components, assemblies or sub-assemblies.
- Functional Data (how it works) for all the mechanical, electrical or hydraulic devices, components, assemblies or sub-assemblies.
- Diagnostic Data (fault codes, electrical and hydraulic troubleshooting) for all the mechanical, electrical or hydraulic devices, components, assemblies or sub-assemblies.
- Service Data (remove disassemble, assemble, install) for all the mechanical, electrical or hydraulic devices, components, assemblies or sub-assemblies.

Sections

Sections are grouped according to the main functions or a systems on the machine. Each Section is identified by a number (00, 35, 55, etc.). The Sections included in the manual will depend on the type and function of the machine that the manual is written for. Each Section has a Contents page listed in alphabetic/numeric order. This table illustrates which Sections could be included in a manual for a particular product.

	PR	OD	UC	Т		
	Tractors					
	Vehicles with working arms: backhoes, excavat					th working arms: backhoes, excavators,
	skid steers,					
				Со	mbir	nes, forage harvesters, balers,
					See	eding, planting, floating, spraying
						ipment,
SECTION					_	Mounted equipment and tools,
00 - Maintenance		Χ			_	
05 - Machine completion and equipment	Χ	Χ	Χ	Χ	Χ	
10 - Engine	Χ	Χ	Χ	Χ		
14 - Main gearbox and drive	Χ	Χ	Χ	Χ		
18 - Clutch	Χ	Χ	Χ			
21 - Transmission	Χ	Χ	Χ	Χ		
23 - Four wheel drive (4WD) system	Χ	Χ	Χ	Χ		
25 - Front axle system	Χ	Χ	Χ	Χ		
27 - Rear axle system	Χ	Χ	Χ	Χ		
29 - Hydrostatic drive	Χ	Χ	Χ	Χ		
31 - Power Take-Off (PTO)	Χ		Χ			
33 - Brakes and controls	Χ	Χ	Χ	Χ		
35 - Hydraulic systems	Χ	Χ	Χ	Χ		
36 - Pneumatic system	Χ	Χ	Χ	Χ		
37 - Hitches, drawbars and implement couplings	Χ		Χ	Χ		
39 - Frames and ballasting	Χ	Χ	Χ	Χ	Х	
41 - Steering	Χ	Χ	Χ	Χ		
44 - Wheels	Χ	Χ	Χ	Χ		
46 - Steering clutches						
48 - Tracks and track suspension	Χ	Χ	Х			
50 - Cab climate control	Χ	Χ		Χ		
55 - Electrical systems	Χ	Χ	Х	Χ	Х	
56 - Grape harvester shaking						
58 - Attachments/headers			Χ			
60 - Product feeding			Χ			

					_
61 - Metering system	Щ			Х	
62 - Pressing - Bale formation			Χ		
63 - Chemical applicators				Χ	
64 - Chopping			Χ		
66 - Threshing			Χ		
68 - Tying/Wrapping/Twisting			Χ		
69 - Bale wagons					
70 - Ejection			Χ		
71 - Lubrication system	Х	Х	Χ	Х	Χ
72 - Separation			Χ		
73 - Residue handling			Χ		
74 - Cleaning			Χ		
75 - Soil preparation/Finishing					
76 - Secondary cleaning / Destemmer					
77 - Seeding				Χ	
78 - Spraying				Χ	
79 - Planting				Χ	
80 - Crop storage / Unloading			Χ		
82 - Front loader and bucket	Χ	Χ			
83 - Telescopic single arm	Χ	Χ			
84 - Booms, dippers and buckets	Χ	Χ			
86 - Dozer blade and arm	Χ	Χ			
88 - Accessories	Χ	Χ	Χ	Χ	Χ
89 - Tools	Χ	Χ	Χ	Χ	Χ
90 - Platform, cab, bodywork and decals	Χ	Χ	Χ	Χ	

INTRODUCTION

Chapters

Each Chapter is identified by a number e.g. Engine - Engine and crankcase - 10.001. The first number is identical to the Section number i.e. Chapter 10.001 is inside Section 10, Engine. The second number is representative of the Chapter contained within the Section.

CONTENTS

The Chapter Contents lists all the technical data (specifications), functional data (how it works), diagnostic data (fault codes and troubleshooting), and service data (remove, install, adjust, etc.), that have been written in that Chapter for that function or system on the machine.

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The Chapter Index lists in alphabetical order all the types of information (called information units) that have been written in that Chapter for that function or system on the machine.

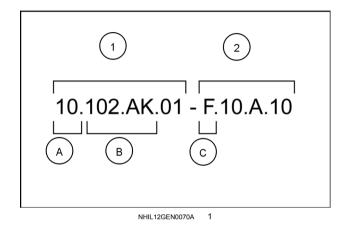
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Information units and information search

Each chapter is composed of information units. Each information unit has the SAP code shown in parentheses. This indicates the function and type of information in that information unit. Each information unit has a page reference within that Chapter. The information units provide a quick and easy way to find just the right piece of technical information you are looking for.

Example information unit SAP 10 102 AK 01 F 10.A.10
SAP code classification Engine Pan and covers Engine block Front Service data Remove



Navigate to the correct information unit you are searching for by identifying the function and information type from the SAP code.

- (1) Location and (2) Information type.
- (A) corresponds to the sections of the service manual.
 - **(B)** corresponds to the chapters of the service manual. After **(B)** there may be some additional information. In this case it shows ".01", which represents the "Front" block cover. These options may be front/rear, left/right, hydraulic/mechanical etc.
 - (C) corresponds to the type of information listed in the chapter contents: Technical Data, Functional Data, Diagnostic, or Service.
 - (A) and (B) are also shown in the page numbering on the page footer.
 - THE REST OF THE CODING IS NOT LISTED IN ALPHANUMERIC ORDER IN THIS MANUAL.
- You will find a table of contents at the beginning and end of each section and chapter.
 You will find an alphabetical index at the end of each chapter.
- By referring to **(A)**, **(B)** and **(C)** of the coding, you can follow the contents or index (page numbers) and quickly find the information you are looking for.

Page header and footer

The page header will contain the following references:

· Section and Chapter description

The page footer will contain the following references:

- · Publication number for that Manual.
- · Version reference for that publication.
- · Publication date
- Section, chapter, and page reference e.g. 10.102 / 9

Click on the image link below for the full version of the service manual

