SERVICE MANUAL

D150B
Crawler Dozer

Part number 47998875B
3rd edition English
June 2018

NEW HOLLAND CONSTRUCTION

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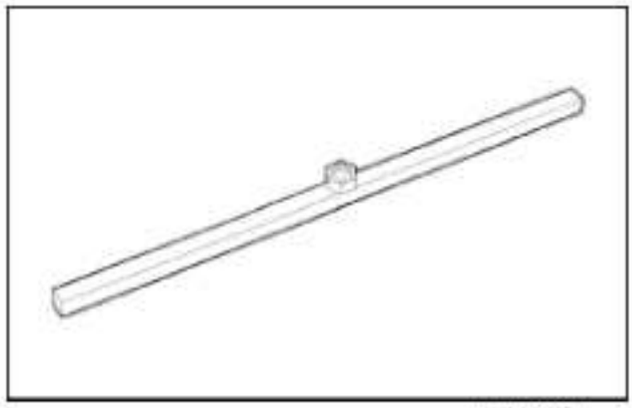
Wheel hub - Special tools

D150B XLT, With cab, Tier 3, Power Angle Tilt (PAT) Blade, Made in Brazil [N9AC03000 -]	LA

Rotation torque check bar

This tool is used to check the rotation torque of the planetary housing.

- The bar is made of a **19 mm** (**0.75 in**) soft steel square and is **559 mm** (**22.01 in**) long. The nut is welded in the center of the bar. The size of the nut is optional.
- A mounting bolt is needed to remove the outer housing of the axle bearing coming from the gear housing. The mounting bolt is an M16-2 x **320 mm** (**12.60 in**).
- The bolt can be acquired through common parts. The part number is 627-16320.



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380002800

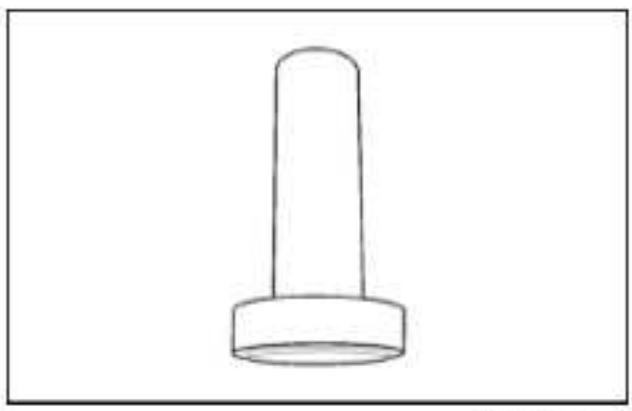
Expansion plug installation tool.

CAS19545

Conductors kit.

CAS-1955

Conductors kit.



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Wheel hub - General specification

D150B XLT, With cab, Tier 3, Power Angle Tilt (PAT) Blade, Made in Brazil [N9AC03000 -]	LA

Oil Specification	**NEW HOLLAND AMBRA HYPOIDE 140 GEAR LUBE**
Capacity (each)	**14.2 l (15 US qt)**

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Air conditioning - Troubleshooting

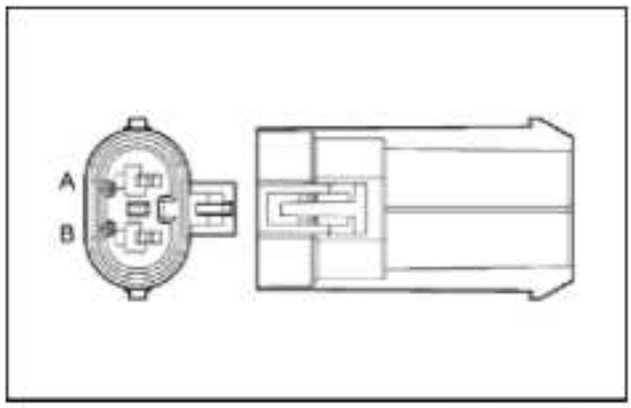
D150B XLT, With cab, Tier 3, Power Angle Tilt (PAT) Blade, Made in Brazil [N9AC03000 -] | LA

Problem	Possible Cause	Correction
No cooling (with the compressor running)	Issues in the internal system	See pressure test on page **Air conditioning - Pressure test (50.200)**.
No cooling (with the compressor not running)	Mechanical issues	See compressor mechanical check on page **Air conditioning - Check (50.200)**.
	Electrical issues	See clutch compressor and blower check, blower motor check, blower switch check, and compressor clutch check on page **Air conditioning - Check (50.200)**.
Insufficient refrigerant	Issues in the heater	Make sure that the heater control is in the OFF position. Make sure that there is no flow of coolant through the heater core.
	Sealing issues	Make sure that the sealing material is correctly placed.
	Mechanical issues	See mechanical compressor check on page **Air conditioning - Check (50.200)**, and evaporator heater core check on page **Air conditioning - Check (50.200)**.
	Electrical issues	See blower and clutch compressor check on page **Air conditioning - Check (50.200)**.
	Issues with refrigerant	See cab temperature check on page **Air conditioning - Check (50.200)**.
	Internal system issues	See pressure test on page **Air conditioning - Pressure test (50.200)**.
The air-conditioning system is noisy	Mechanical issues	See mechanical compressor check on page **Air conditioning - Check (50.200)**, and blower motor check on page **Air conditioning - Check (50.200)**.
	Electrical issues	See compressor clutch check on page **Air conditioning - Check (50.200)**.
	Internal system issues	See pressure test on page **Air conditioning - Pressure test (50.200)**.

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Connector E12 – A/C high pressure gauge

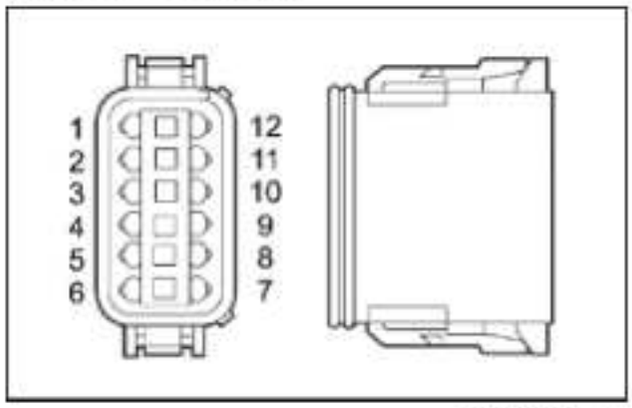
Cav.	Circuit
A	818b
B	818C



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Connector L1 – From the light wiring harness to the microcontroller

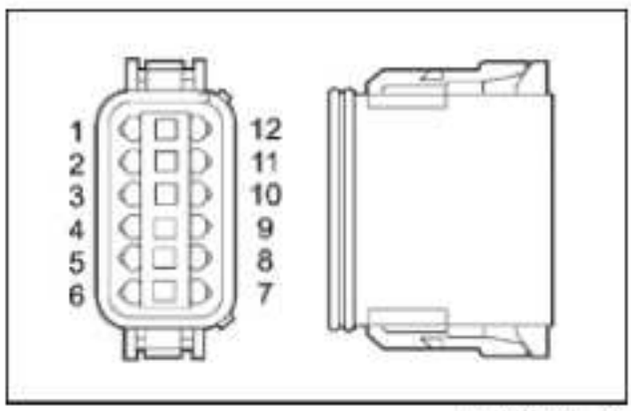
Cav.	Circuit	Cav.	Circuit
1	911A	7	819
2	911B	8	504
3	921	9	505
4	818A	10	0
5	800	11	0
6	501	12	0



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Connector L1 – Cover work lights (Cover only)

Cav.	Circuit	Cav.	Circuit
1	911A	7	not used
2	911B	8	not used
3	921	9	not used
4	not used	10	not used
5	not used	11	not used
6	not used	12	not used

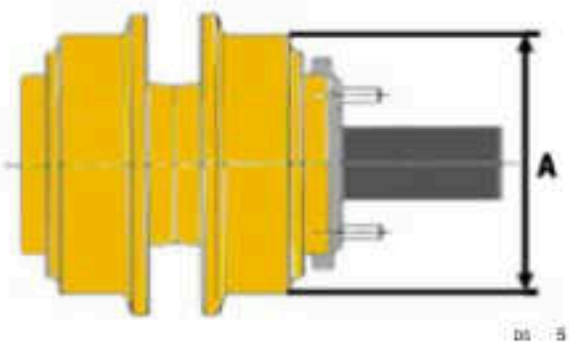


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GUIDE WHEEL WEAR "A"

MEASUREMENT	%
19,0	0
19,8	10
20,3	20
21,0	30
21,7	40
22,6	50
23,6	60
24,7	70
26,1	80
27,3	90
28,0	100
30,1	110
31,7	120



DX ... 5

UPPER ROLLER WEAR

COMPASS MEASUREMENT "A"	%
171,5	0
170,7	10
169,7	20
168,6	30
167,4	40
166,2	50
164,9	60
163,4	70
161,9	80
160,2	90
158,5	100
156,8	110
155,1	120

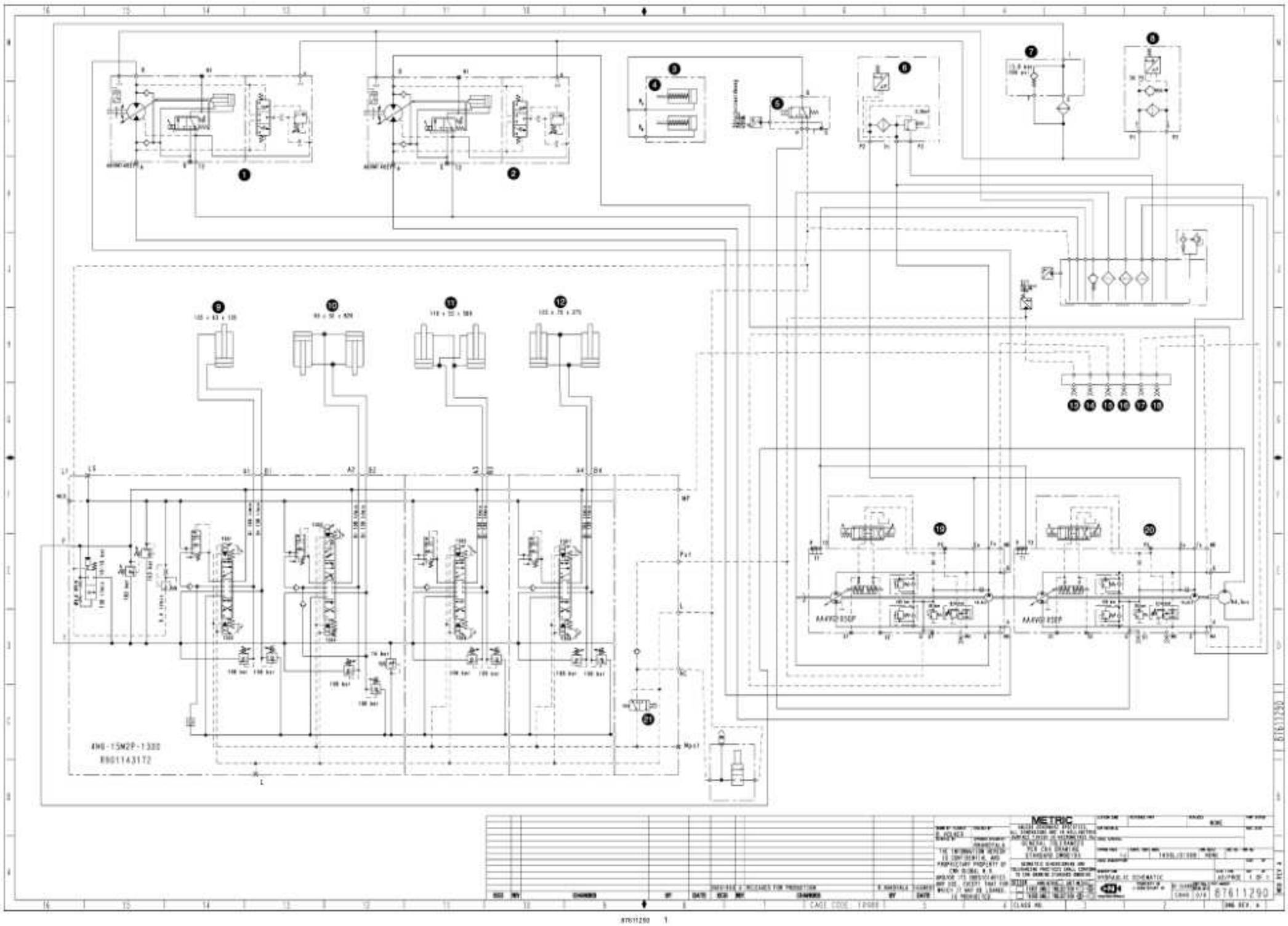


DX ... 6

SLIPPER WEAR

MEASUREMENT "A"	%
55,5	0
53,0	10
49,9	20
46,7	30

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