SERVICE MANUAL

D150B

Crawler Dozer

Part number 47998875
English
March 2016

NEW HOLLAND CONSTRUCTION

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Contents

INTRODUCTION

Engine 10

[10.001] Engine and crankcase 10.1

[10.400] Engine cooling system 10.2

[10.310] Aftercooler 10.3

[10.304] Engine lubrication system 10.4

Rear axle system 27

[27.120] Planetary and final drives 27.1

[27.126] Spur gear and final drives 27.2

Hydrostatic drive 29

[29.100] Transmission and steering hydrostatic control 29.1

[29.202] Hydrostatic transmission 29.2

Brakes and controls 33

[33.202] Hydraulic service brakes 33.1

Hydraulic systems 35

[35.000] Hydraulic systems 35.1

[35.104] Fixed displacement pump 35.2

[35.310] Distributor and lines 35.3

[35.350] Safety and main relief valves 35.4

[35.741] Dozer blade cylinders 35.5

[35.742] Ripper hydraulic system 35.6

Tracks and track suspension 48

[48.130] Track frame and driving wheels 48.1

[48.110] Front suspension 48.2

[48.100] Tracks 48.3

[48.134] Track tension units 48.4

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[48.138] Track rollers 48.5

Cab climate control 50

[50.100] Heating 50.1

[50.200] Air conditioning 50.2

Electrical systems 55

[55.013] Engine oil system 55.1

[55.000] Electrical system 55.2

[55.100] Harnesses and connectors 55.3

[55.525] Cab engine controls 55.4

[55.015] Engine control system 55.5

[55.201] Engine starting system 55.6

[55.301] Alternator 55.7

[55.302] Battery 55.8

[55.202] Cold start aid 55.9

[55.010] Fuel injection system 55.10

[55.012] Engine cooling system 55.11

[55.019] Hydrostatic drive control system 55.12

[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system 55.13

[55.408] Warning indicators, alarms, and instruments 55.14

[55.101] Chassis harness 55.15

[55.014] Engine intake and exhaust system 55.16

[55.DTC] FAULT CODES 55.17

Dozer blade and arm 86

[86.110] Dozer blade 86.1

Tools 89

[89.128] Ripper assembly 89.1

Platform, cab, bodywork, and decals 90

[90.150] Cab 90.1

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Track rollers - General specification

Lower roller

Lubricant specification	**NEW HOLLAND AMBRA HYPOIDE 90**
Capacity	**275 ml (9.3 US fl oz)**

Upper roller

Lubricant specification	**NEW HOLLAND AMBRA HYPOIDE 90**
Capacity	**334 ml (11.3 US fl oz)**

Track rollers - Torque

Bolts for the mounting bracket (Apply LOCTITE® 242® before applying the torque)	**434 - 447 N·m (320.1 - 329.7 lb ft)**
Valve in the track tensioner	**61 - 74 N·m (45.0 - 54.6 lb ft)**

Track rollers - Special tools

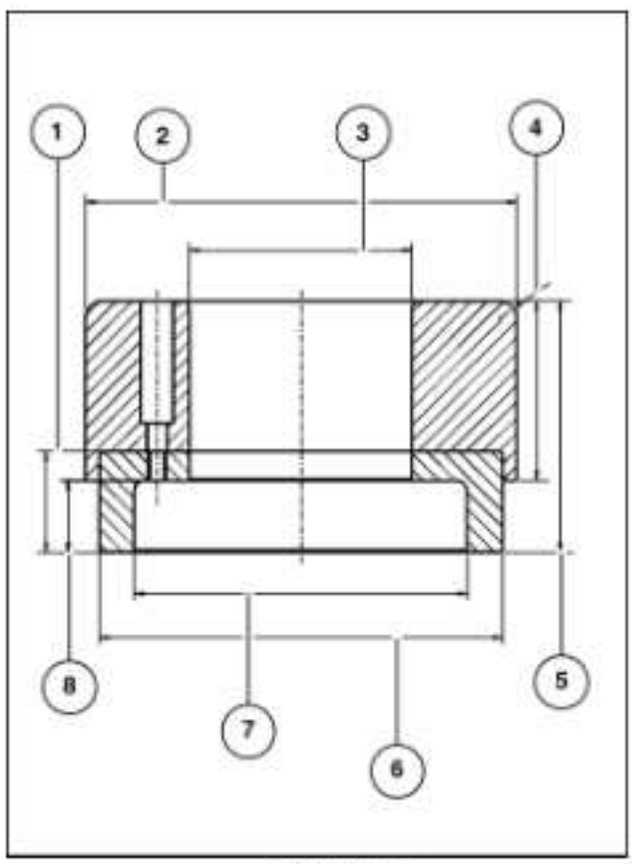
Manufactured by the dealer

Seal, track roller installer.

NOTE: *Manufacture the tool according to the dimensions shown in the illustration.*

The top of the tool is made of Teflon. The bottom of the tool is made of soft steel.

Model 1	Model 2
(1) 28 mm	**(1) 28 mm**
(2) Ø 110.5 mm	**(2) Ø 120 mm**
(3) Ø 52.5 mm	**(3) Ø 62 mm**
(4) Ø 50 mm	**(4) Ø 50 mm**
(5) 70 mm	**(5) 70 mm**
(6) Ø 102.5 mm	**(6) Ø 112 mm**
(7) Ø 83 mm	**(7) Ø 92.5 mm**
(8) 20 mm	**(8) 20 mm**

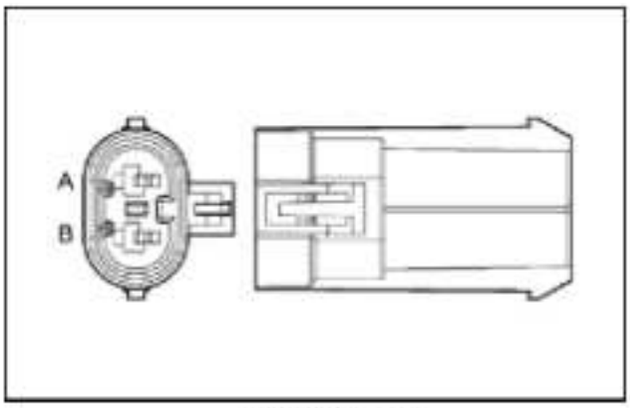


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Connector E12 – A/C high pressure gauge

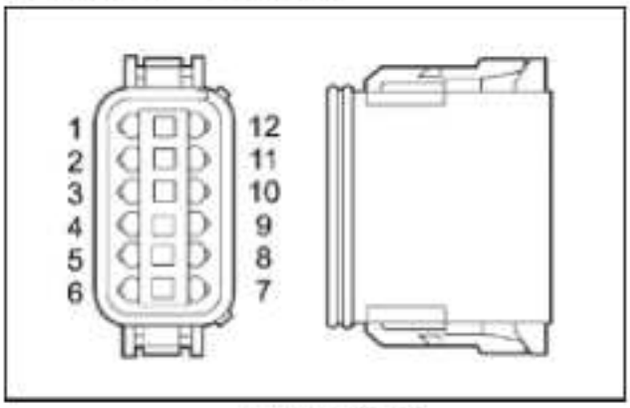
Cav.	Circuit
A	818b
B	818C



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Connector L1 – From the light wiring harness to the microcontroller

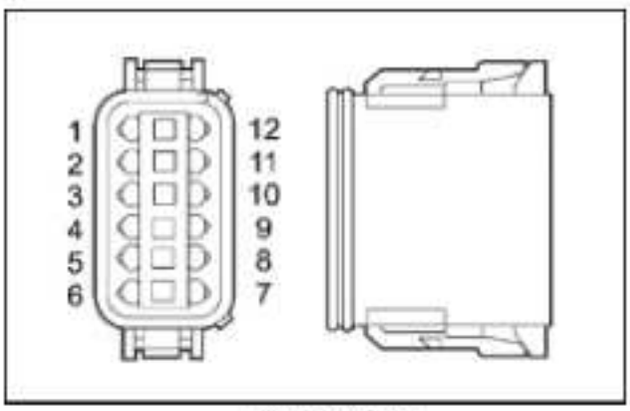
Cav.	Circuit	Cav.	Circuit
1	911A	7	819
2	911B	8	504
3	921	9	505
4	818A	10	0
5	800	11	0
6	501	12	0



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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



LALL1CD1564A0A 41

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4622-No CAN communication with engine controller

Control Module : DTC

NOTICE: *Go to the electrical schematic for a full view of the controller circuit.*

Cause:
Not receiving messages from the Combined Instruments.

Possible failure modes:

1. No power in the ECU.
2. The connectors are not fully compatible, the pins are not pushed fully inside the connector, bent pin or broken wire at the back of the connector.
3. Open the CAN bus or wiring circuits.
4. CAN or wiring circuits shorted.
5. Faulty CAN bus.
6. Failure in the Drive Train Control Module.

Solution:

1. Check if the fault code is still active.
   Before clearing fault codes, write down all the codes, number of occurrences and engine hours at last occurrence.

   1. Turn the ignition key to the RUN position to power the drive train controller.

   2. Clear all fault codes from the controller.

   3. To check the fault code: Move the directional control to neutral, the ignition key to RUN (the engine does not have to be running), move both parking levers to the lowered position, move the hand throttle to the high idle position, and push the directional control to the forward position.

   A. NOT OK – Fault code 4621 is recorded again. Go to Step **2**.

   B. OK – Fault is not recorded again. OK to return to service.
2. Inspect the CAN bus connection.

   1. Remove the instrument cluster. Disconnect the connectors.

   2. Inspect the pins in the connector. Clean connections.

   3. Clean the female pins by installing them and then removing them.

   A. NOT OK - Replace the Instrument Cluster. Return to Step **1** to confirm elimination of the fault.

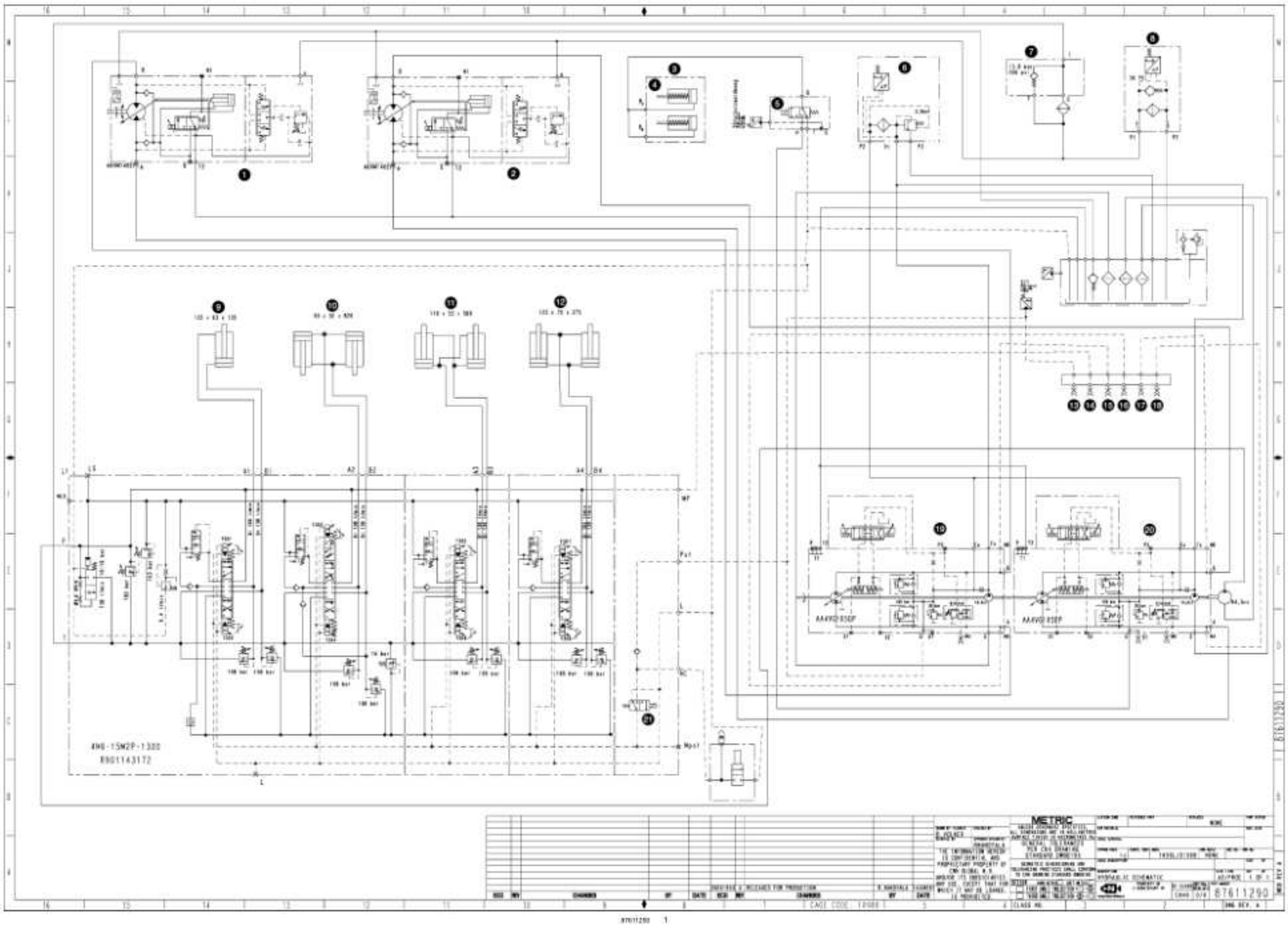
   B. OK - Go to Step **3**.
3. Replace the Drive Train Control Module.
   Before replacing the Drive Train Control Module, contact Technical Services for further assistance.

   1. Remove and replace the Drive Train Control Module.

   2. Note down the symptom in the faulty Drive Train Control Module.

   3. Install the program with the Electronic Service Tool (EST). Recalibrate the system.

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