

# SERVICE MANUAL

## **D180C** **TIER2 / TIER3** Crawler Dozer

Part number 48037327

English  
February 2017





# **SERVICE MANUAL**

**D180C PAT  
D180C BD  
D180C PAT TIER 3  
D180C BD TIER 3**

# Link Product / Engine

---

<b>Product</b>	<b>Market Product</b>	<b>Engine</b>
D180C PAT	Latin America	F4HFA613N*E002
D180C BD	Latin America	F4HFA613N*E002

# Contents

---

## INTRODUCTION

<b>Engine</b> .....	<b>10</b>
[10.001] Engine and crankcase .....	10.1
[10.216] Fuel tanks .....	10.2
[10.250] Turbocharger and lines.....	10.3
[10.254] Intake and exhaust manifolds and muffler .....	10.4
[10.400] Engine cooling system .....	10.5
[10.414] Fan and drive .....	10.6
[10.310] Aftercooler.....	10.7
[10.304] Engine lubrication system.....	10.8
<b>Rear axle system</b> .....	<b>27</b>
[27.120] Planetary and final drives .....	27.1
<b>Hydrostatic drive</b> .....	<b>29</b>
[29.218] Pump and motor components.....	29.1
<b>Brakes and controls</b> .....	<b>33</b>
[33.110] Parking brake or parking lock .....	33.1
[33.202] Hydraulic service brakes .....	33.2
<b>Hydraulic systems</b> .....	<b>35</b>
[35.300] Reservoir, cooler, and filters.....	35.1
[35.104] Fixed displacement pump.....	35.2
[35.106] Variable displacement pump .....	35.3
[35.105] Charge pump.....	35.4
[35.359] Main control valve .....	35.5
[35.741] Dozer blade cylinders .....	35.6
[35.752] Hydraulic fan drive cooling system.....	35.7
[35.000] Hydraulic systems.....	35.8

<b>Frames and ballasting</b> .....	<b>39</b>
[39.100] Frame .....	39.1
<b>Tracks and track suspension</b> .....	<b>48</b>
[48.140] Dropbox and final drive .....	48.1
<b>Cab climate control</b> .....	<b>50</b>
[50.100] Heating .....	50.1
[50.104] Ventilation .....	50.2
<b>Electrical systems</b> .....	<b>55</b>
[55.000] Electrical system .....	55.1
[55.011] Fuel tank system .....	55.2
[55.014] Engine intake and exhaust system.....	55.3
[55.015] Engine control system.....	55.4
[55.030] Service brake electrical system .....	55.5
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system.....	55.6
[55.100] Harnesses and connectors.....	55.7
[55.201] Engine starting system .....	55.8
[55.202] Cold start aid .....	55.9
[55.301] Alternator .....	55.10
[55.302] Battery.....	55.11
[55.512] Cab controls.....	55.12
[55.518] Wiper and washer system.....	55.13
[55.DTC] FAULT CODES.....	55.14
<b>Tools</b> .....	<b>89</b>
[89.128] Ripper assembly .....	89.1
<b>Platform, cab, bodywork, and decals</b> .....	<b>90</b>
[90.150] Cab.....	90.1
[90.114] Operator protections .....	90.2

[90.100] Engine hood and panels ..... 90.3

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)