

# SERVICE MANUAL

## **B80B** Backhoe Loader

Part number 48143704

1<sup>st</sup> edition English

April 2017



# Contents

---

## INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase .....	10.1
[10.254] Intake and exhaust manifolds and muffler .....	10.2
[10.400] Engine cooling system .....	10.3
Transmission.....	21
[21.100] Mechanical transmission lubrication system .....	21.1
[21.112] Power shuttle transmission.....	21.2
[21.134] Power shuttle transmission external controls .....	21.3
[21.154] Power shuttle transmission internal components .....	21.4
[21.700] Torque converter .....	21.5
Front axle system .....	25
[25.100] Powered front axle .....	25.1
[25.102] Front bevel gear set and differential .....	25.2
[25.108] Final drive hub, steering knuckles, and shafts .....	25.3
[25.400] Non-powered front axle .....	25.4
Rear axle system.....	27
[27.100] Powered rear axle.....	27.1
[27.106] Rear bevel gear set and differential.....	27.2
[27.124] Final drive hub, steering knuckles, and shafts .....	27.3
Brakes and controls .....	33
[33.202] Hydraulic service brakes .....	33.1
[33.110] Parking brake or parking lock .....	33.2
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.300] Reservoir, cooler, and filters.....	35.2

[35.104] Fixed displacement pump .....	35.3
[35.359] Main control valve .....	35.4
[35.724] Front loader hydraulic system control .....	35.5
[35.701] Front loader arm hydraulic system .....	35.6
[35.723] Front loader bucket hydraulic system .....	35.7
[35.726] Excavator and backhoe hydraulic controls .....	35.8
[35.736] Boom hydraulic system .....	35.9
[35.737] Dipper hydraulic system .....	35.10
[35.738] Excavator and backhoe bucket hydraulic system .....	35.11
[35.739] Swing arm hydraulic system .....	35.12
[35.AAA] Hydraulic systems generic sub-group .....	35.13
<b>Frames and ballasting .....</b>	<b>39</b>
[39.129] Stabilizers .....	39.1
<b>Steering .....</b>	<b>41</b>
[41.101] Steering control .....	41.1
[41.200] Hydraulic control components .....	41.2
[41.216] Cylinders .....	41.3
<b>Wheels .....</b>	<b>44</b>
[44.511] Front wheels .....	44.1
[44.520] Rear wheels .....	44.2
[44.AAA] Wheels generic sub-group .....	44.3
<b>Cab climate control .....</b>	<b>50</b>
[50.100] Heating .....	50.1
[50.200] Air conditioning .....	50.2
<b>Electrical systems .....</b>	<b>55</b>
[55.100] Harnesses and connectors .....	55.1
[55.201] Engine starting system .....	55.2
[55.301] Alternator .....	55.3

[55.518] Wiper and washer system.....	55.4
<b>Front loader and bucket.....</b>	<b>82</b>
[82.100] Arm.....	82.1
[82.300] Bucket.....	82.2
<b>Booms, dippers, and buckets .....</b>	<b>84</b>
[84.114] Boom pivoting support .....	84.1
[84.910] Boom.....	84.2
[84.912] Dipper arm .....	84.3
<b>Accessories .....</b>	<b>88</b>
[88.100] Accessories .....	88.1
<b>Platform, cab, bodywork, and decals.....</b>	<b>90</b>
[90.150] Cab.....	90.1
[90.154] Cab doors and hatches .....	90.2
[90.156] Cab windshield and windows .....	90.3
[90.100] Engine hood and panels .....	90.4

**Thank you very much  
for your reading.**

**Please click here to buy  
After you pay.**

**Then, you can  
download the complete  
manual instantly.  
No waiting.**