

580N EP
Tier 4B (final)
Tractor Loader Backhoe
PIN NFC716000 and above

SERVICE MANUAL

Part number 47830957
1st edition English
October 2015



Link Product / Engine

Product	Market Product	Engine
580N EP TWO-WHEEL DRIVE (2WD) TIER 4B (FINAL)	North America	F5HFL463D*F005
580N EP FOUR-WHEEL DRIVE (4WD) TIER 4B (FINAL)	North America	F5HFL463D*F005

Contents

INTRODUCTION

Engine	10
[10.001] Engine and crankcase	10.1
[10.202] Air cleaners and lines	10.2
[10.206] Fuel filters	10.3
[10.216] Fuel tanks	10.4
[10.218] Fuel injection system.....	10.5
[10.304] Engine lubrication system.....	10.6
[10.400] Engine cooling system	10.7
[10.414] Fan and drive	10.8
[10.501] Exhaust Gas Recirculation (EGR) exhaust treatment.....	10.9
Transmission	21
[21.112] Power shuttle transmission.....	21.1
[21.134] Power shuttle transmission external controls	21.2
[21.154] Power shuttle transmission internal components	21.3
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
[27.120] Planetary and final drives	27.3
Brakes and controls	33
[33.110] Parking brake or parking lock	33.1

[33.202] Hydraulic service brakes	33.2
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.102] Pump control valves.....	35.2
[35.104] Fixed displacement pump	35.3
[35.106] Variable displacement pump	35.4
[35.204] Remote control valves	35.5
[35.300] Reservoir, cooler, and filters.....	35.6
[35.350] Safety and main relief valves	35.7
[35.359] Main control valve	35.8
[35.525] Auxiliary hydraulic valves and lines	35.9
[35.703] Stabilizer hydraulic system.....	35.10
[35.723] Front loader bucket hydraulic system	35.11
[35.726] Excavator and backhoe hydraulic controls.....	35.12
[35.736] Boom hydraulic system	35.13
[35.737] Dipper hydraulic system.....	35.14
[35.738] Excavator and backhoe bucket hydraulic system.....	35.15
[35.739] Swing arm hydraulic system	35.16
[35.740] Telescopic arm hydraulic system.....	35.17
Frames and ballasting	39
[39.100] Frame	39.1
[39.129] Stabilizers	39.2
Steering.....	41
[41.101] Steering control	41.1
[41.200] Hydraulic control components.....	41.2
[41.216] Cylinders	41.3
Wheels.....	44
[44.511] Front wheels.....	44.1

[44.520] Rear wheels	44.2
Cab climate control	50
[50.200] Air conditioning	50.1
Electrical systems	55
[55.100] Harnesses and connectors	55.1
[55.301] Alternator	55.2
[55.302] Battery	55.3
[55.404] External lighting	55.4
[55.510] Cab or platform harnesses and connectors	55.5
[55.991] Telematics	55.6
[55.DTC] FAULT CODES	55.7
Front loader and bucket	82
[82.100] Arm	82.1
[82.300] Bucket	82.2
Booms, dippers, and buckets	84
[84.100] Bucket	84.1
[84.114] Boom pivoting support	84.2
[84.910] Boom	84.3
[84.912] Dipper arm	84.4
Platform, cab, bodywork, and decals	90
[90.105] Machine shields and guards	90.1
[90.114] Operator protections	90.2
[90.124] Pneumatically-adjusted operator seat	90.3
[90.150] Cab	90.4
[90.151] Cab interior	90.5
[90.154] Cab doors and hatches	90.6

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$