

CX300D
LC Version
Tier 4B (final)
Crawler Excavator

SERVICE MANUAL

Part number 47843018

1st edition English
February 2015



Contents

INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase	10.1
[10.102] Pan and covers	10.2
[10.106] Valve drive and gears	10.3
[10.101] Cylinder heads	10.4
[10.105] Connecting rods and pistons.....	10.5
[10.103] Crankshaft and flywheel.....	10.6
[10.216] Fuel tanks	10.7
[10.206] Fuel filters	10.8
[10.218] Fuel injection system.....	10.9
[10.202] Air cleaners and lines	10.10
[10.250] Turbocharger and lines.....	10.11
[10.254] Intake and exhaust manifolds and muffler	10.12
[10.500] Selective Catalytic Reduction (SCR) exhaust treatment.....	10.13
[10.501] Exhaust Gas Recirculation (EGR) - Diesel Particulate Filter (DPF) exhaust treatment	10.14
[10.400] Engine cooling system	10.15
[10.414] Fan and drive	10.16
[10.310] Aftercooler.....	10.17
[10.304] Engine lubrication system.....	10.18
[10.408] Oil cooler and lines.....	10.19
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.300] Reservoir, cooler, and filters.....	35.2
[35.106] Variable displacement pump	35.3
[35.102] Pump control valves.....	35.4

[35.304] Combination pump units	35.5
[35.359] Main control valve	35.6
[35.357] Pilot system	35.7
[35.355] Hydraulic hand control	35.8
[35.356] Hydraulic foot control.....	35.9
[35.352] Hydraulic swing system	35.10
[35.353] Hydraulic travel system	35.11
[35.354] Hydraulic central joint	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
Frames and ballasting	39
[39.140] Ballasts and supports	39.1
Tracks and track suspension.....	48
[48.130] Track frame and driving wheels	48.1
[48.100] Tracks	48.2
[48.134] Track tension units	48.3
[48.138] Track rollers	48.4
Cab climate control	50
[50.100] Heating	50.1
[50.200] Air conditioning.....	50.2
Electrical systems	55
[55.000] Electrical system	55.1
[55.100] Harnesses and connectors.....	55.2
[55.525] Cab engine controls.....	55.3
[55.015] Engine control system.....	55.4
[55.201] Engine starting system	55.5
[55.301] Alternator.....	55.6

[55.302] Battery.....	55.7
[55.202] Cold start aid	55.8
[55.011] Fuel tank system	55.9
[55.010] Fuel injection system	55.10
[55.014] Engine intake and exhaust system.....	55.11
[55.988] Selective Catalytic Reduction (SCR) electrical system	55.12
[55.989] Exhaust Gas Recirculation (EGR) electrical system	55.13
[55.012] Engine cooling system	55.14
[55.013] Engine oil system	55.15
[55.640] Electronic modules	55.16
[55.512] Cab controls.....	55.17
[55.036] Hydraulic system control	55.18
[55.051] Cab Heating, Ventilation, and Air-Conditioning (HVAC) controls.....	55.19
[55.050] Heating, Ventilation, and Air-Conditioning (HVAC) control system.....	55.20
[55.416] Swing control system	55.21
[55.417] Travel control system	55.22
[55.530] Camera.....	55.23
[55.518] Wiper and washer system.....	55.24
[55.404] External lighting	55.25
[55.514] Cab lighting	55.26
[55.408] Warning indicators, alarms, and instruments	55.27
[55.992] Anti-theft system	55.28
[55.DTC] FAULT CODES.....	55.29
Booms, dippers, and buckets	84
[84.910] Boom	84.1
[84.912] Dipper arm	84.2
[84.100] Bucket.....	84.3
Platform, cab, bodywork, and decals	90
[90.150] Cab.....	90.1

[90.156] Cab glazing	90.2
[90.118] Protections and footboards.....	90.3
[90.120] Mechanically-adjusted operator seat.....	90.4
[90.100] Engine hood and panels	90.5

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