

**CX85E
CX90E
CX100E**
Midi Excavator

SERVICE MANUAL

Part number 92326389

English

October 2024

© 2024 CNH Industrial Italia S.p.A. All Rights Reserved.

CASE
CONSTRUCTION



SERVICE MANUAL

CX100E 2PB
CX85E New Element
CX90E New Element

Contents

INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase	10.1
[10.101] Cylinder heads	10.2
[10.103] Crankshaft and flywheel.....	10.3
[10.105] Connecting rods and pistons.....	10.4
[10.106] Valve drive and gears	10.5
[10.216] Fuel tanks	10.6
[10.206] Fuel filters	10.7
[10.202] Air cleaners and lines	10.8
[10.218] Fuel injection system.....	10.9
[10.250] Turbocharger and lines.....	10.10
[10.254] Intake and exhaust manifolds and muffler	10.11
[10.501] Exhaust Gas Recirculation (EGR) exhaust treatment.....	10.12
[10.400] Engine cooling system	10.13
[10.414] Fan and drive	10.14
[10.304] Engine lubrication system.....	10.15
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.300] Reservoir, cooler, and filters.....	35.2
[35.106] Variable displacement pump	35.3
[35.359] Main control valve.....	35.4
[35.357] Pilot system	35.5
[35.820] Hydraulic driven cooling fans	35.6
[35.525] Auxiliary hydraulic valves and lines	35.7
[35.352] Hydraulic swing system	35.8
[35.353] Hydraulic travel system	35.9

[35.354] Hydraulic central joint	35.10
[35.360] Hammer and rotating bucket hydraulic system	35.11
[35.736] Boom hydraulic system	35.12
[35.737] Dipper hydraulic system.....	35.13
[35.738] Excavator and backhoe bucket hydraulic system.....	35.14
[35.734] Tool quick coupler hydraulic system	35.15
[35.739] Swing arm hydraulic system	35.16
[35.730] Positioning arm hydraulic system	35.17
[35.741] Dozer blade cylinders	35.18
Frames and ballasting	39
[39.103] Swing ring assembly	39.1
[39.140] Ballasts and supports	39.2
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
[50.104] Ventilation	50.1
[50.200] Air conditioning.....	50.2
Electrical systems	55
[55.000] Electrical system	55.1
[55.012] Engine cooling system	55.2
[55.100] Harnesses and connectors.....	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

[55.011] Fuel tank system	55.8
[55.640] Electronic modules	55.9
[55.512] Cab controls.....	55.10
[55.404] External lighting	55.11
[55.DTC] FAULT CODES.....	55.12
Booms, dippers, and buckets	84
[84.114] Boom pivoting support	84.1
[84.910] Boom	84.2
[84.912] Dipper arm	84.3
[84.100] Bucket.....	84.4
Dozer blade and arm.....	86
[86.110] Dozer blade	86.1
Platform, cab, bodywork, and decals	90
[90.120] Operator seat	90.1
[90.150] Cab.....	90.2
[90.100] Engine hood and panels	90.3
[90.105] Machine shields and guards	90.4

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

<https://shop servicemanual.com/>

Service Manuals from 2\$