

# CX800 Tier 3 Crawler Excavators

## Table of Contents

DIVISION/SECTION	SECTION N°	REFERENCE N°
<b>1 GENERAL INFORMATION</b>		
Safety, general information and standard torque data .....	1001	7-27691EN
General specifications and special torque setting.....	1002	9-94710EN
<b>2 ENGINE</b>		
Radiator and engine, removal and installation .....	2001	9-94910EN
Engine specifications .....	*	
Disassembly and assembly of the engine.....	*	
<b>3 FUEL SYSTEM</b>		
Fuel tank .....	3001	9-36821EN
Fuel engine system.....	*	
<b>4 ELECTRICAL SYSTEM</b>		
Electrical system, electrical and electronic troubleshooting.....	4001	9-94700EN
Inspection and maintenance of batteries and connecting a booster battery....	4002	9-36830EN
Main and engine electronic control boxes.....	4003	9-94510EN
<b>5 UNDERCARRIAGE</b>		
Removal and installation of tracks .....	5001	9-36860EN
Rollers.....	5003	9-36881EN
Sprocket.....	5004	9-36890EN
Idler wheel and tension shock absorber .....	5005	9-94350EN
<b>6 DRIVE TRAIN</b>		
Drive motor and final drive transmission removal and installation .....	6001	9-36980EN
Drive motor and final drive transmission disassembly and assembly .....	6002	9-40351EN
Swing reduction gear, removal and installation.....	6003	9-36991EN
Swing reduction gear, disassembly and assembly.....	6004	9-42631EN
<b>7 UNDERCARRIAGE HYDRAULICS</b>		
<b>8 UPPERSTRUCTURE HYDRAULICS</b>		
Depressurising and decontaminating the hydraulic system, use of the vacuum pump and bleeding the components .....	8000	9-94430EN
Specifications, troubleshooting, checks and hydraulic pressure settings.....	8001	9-94740EN
Hydraulic reservoir removal and installation .....	8002	9-94490EN
Main and pilot pumps, removal and installation .....	8003	9-40771EN
Main hydraulic control valve, removal and installation .....	8004	9-94501EN
Attachment cylinders, removal and installation .....	8005	7-27792EN
Hydraulic swivel, removal and installation.....	8006	9-94600EN
Pilot blocs, removal and installation .....	8007	9-94520EN
Swing motor, removal and installation.....	8008	9-94420EN
Main hydraulic pump, disassembly and assembly .....	8010	9-94590EN
Main hydraulic control valve, disassembly and assembly .....	8011	9-94781EN
Attachment cylinders, disassembly and assembly.....	8012	9-40941EN
Hand control levers, disassembly and assembly .....	8013	9-94630EN
Foot control levers, disassembly and assembly.....	8014	9-40992EN
Six-solenoid valves, disassembly and assembly.....	8015	9-42521EN
Caution valve, disassembly and assembly.....	8016	9-94531EN
Safety valve.....	8017	9-42770EN
Hydraulic swivel, disassembly and assembly.....	8018	9-42511EN
Swing motor, disassembly and assembly .....	8019	9-42530EN
Hydraulic functions.....	8020	9-94720EN

DIVISION/SECTION	SECTION N°	REFERENCE N°
Fan motor, removal and installation .....	8022	9-94660EN
Fan motor, disassembly and assembly .....	8023	9-94670EN
Fan pump, removal, disassembly, assembly and installation .....	8024	9-94680EN
Hydraulic component functions .....	8030	9-94130EN
<b>9 UPPERSTRUCTURE</b>		
Upperstructure, turntable and counterweight .....	9002	9-42551EN
Boom, dipper and bucket .....	9003	9-42621EN
Seat and seat belt .....	9004	9-40960EN
Cab and cab equipment .....	9005	9-94650EN
Air conditioning troubleshooting .....	9006	██████████
Air conditioning unit disassembly and assembly .....	9007	9-94640EN
Air conditioning servicing .....	9008	██████████
Air conditioning components .....	9009	██████████
Removal and installation attachment, counterweight and side fram .....	9010	9-94730EN
Large format hydraulic schematic .....	Pocket	87520431
Large format electrical schematic .....	Pocket	9-93930

\* *Consult the Engine Service Manual*

██████████ *Sections to be distributed at a later date*

NOTE: CNH Company reserves the right to make changes in the specification and design of the machine without prior notice and without incurring any obligation to modify units previously sold.

The description of the models shown in this manual has been made in accordance with the technical specifications known as of the date of design of this document.

# Section

# 1001

## SAFETY, GENERAL INFORMATION AND TORQUE SPECIFICATIONS

## TABLE OF CONTENTS

GENERAL INFORMATION .....	3
SAFETY .....	4
STANDARD TORQUE DATA FOR CAP SCREWS AND NUTS.....	6



**WARNING :** *This symbol is used in this manual to indicate important safety messages. Whenever you see this symbol, carefully read the message that follows, as there is a risk of serious injury.*

## GENERAL INFORMATION

### Cleaning

Clean all metal parts except bearings, in a suitable cleaning solvent or by steam cleaning. Do not use caustic soda for steam cleaning. After cleaning, dry and put oil on all parts. Clean oil passages with compressed air. Clean bearings in a suitable cleaning solvent, dry the bearings completely and put oil on the bearings.

### Inspection

Check all parts when the parts are disassembled. Replace all parts that have wear or damage. Small scoring or grooves can be removed with a hone or crocus cloth. Complete a visual inspection for indications of wear, pitting and the replacement of parts necessary to prevent early failures.

### Bearings

Check bearings for easy action. If bearings have a loose fit or rough action replace the bearing. Wash bearings with a suitable cleaning solvent and permit to air dry. **DO NOT DRY BEARINGS WITH COMPRESSED AIR.**

### Needle bearings

Before you press needle bearings in a bore always remove any metal protrusions in the bore or edge of the bore. Before you press bearings into position put petroleum jelly on the inside and outside diameter of the bearings.

### Gears

Check all gears for wear and damage. Replace gears that have wear or damage.

### Oil seals, O-rings and gaskets

Always install new oil seals, O-rings and gaskets. Put petroleum jelly on seals and O-rings.

### Shafts

Check all shafts that have wear or damage. Check the bearing and oil seal surfaces of the shafts for damage.

### Service parts

Always install genuine Case service parts. When ordering refer to the Parts Catalog for the correct part number of the genuine Case replacement items. Failures due to the use of other than genuine Case replacement parts are not covered by warranty.

### Lubrication

Only use the oils and lubricants specified in the Operator's or Service Manuals. Failures due to the use of non-specified oils and lubricants are not covered by warranty.

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

<https://shopservicemanual.com/>

Service Manuals from 2\$