

CX350B
CX370B
Crawler Excavator

SERVICE MANUAL

Part number 47945155
English
November 2015
© 2015 CNH Industrial Italia S.p.A. All Rights Reserved.

CASE
CONSTRUCTION

CRAWLER EXCAVATOR CX350B - CX370B SERVICE MANUAL

TABLE OF CONTENTS

| DIVISION/SECTION | SECTION N° | REFERENCE N° |
|---|------------|--------------------|
| 1 GENERAL INFORMATION | | |
| Safety, general information and standard torque data | 1001 | 7-27691EN |
| General specifications and special torque setting | 1002 | SM350B370B1002-2EN |
| 2 ENGINE | | |
| Removal and installation of the engine..... | 2000 | New part 11/2015 |
| Removal and installation of the fuel cooler, engine inter-cooler, radiator and oil cooler..... | 2001 | New part 11/2015 |
| Removal and installation of the turbo charger | 2004 | New part 11/2015 |
| Removal and installation of EGR cooler and EGR valve | 2005 | SM350B2005-0EN |
| Removal and installation of the engine hood..... | 2006 | SM350B2006-0EN |
| Engine specifications | * | |
| Disassembly and assembly of the engine | * | |
| 3 FUEL SYSTEM | | |
| Removal and installation of the fuel tank..... | 3001 | SM350B3001-0EN |
| Removal and installation of the supply pump and common rail | 3004 | SM350B3004-0EN |
| Removal and installation of the injectors | 3005 | SM350B3005-0EN |
| Fuel engine system | * | |
| 4 ELECTRICAL SYSTEM | | |
| Service connector kit | 4000 | SM350B4000-1EN |
| Electrical and engine functions and service support | 4001 | SM350B370B4001-0EN |
| Removal and installation of the starter motor | 4004 | SM350B4004-0EN |
| Removal and installation of the alternator | 4005 | SM350B4005-0EN |
| Electrical equipment and electrical circuit diagrams..... | 4020 | New part 11/2015 |
| Engine error code (DTC) | 4021 | SM350B4021-0EN |
| Main body error code (DTC)..... | 4022 | SM350B4022-0EN |
| Troubleshooting, 6HK1 engine | 4023 | SM350B4023-0EN |
| 5 UNDERCARRIAGE | | |
| Removal and installation of tracks | 5001 | SM350B5001-0EN |
| Rollers | 5003 | SM350B5003-0EN |
| Take-up roller | 5005 | SM350B5005-0EN |
| 6 DRIVE TRAIN | | |
| Removal and installation of the drive motor and final drive transmission..... | 6001 | SM350B6001-0EN |
| Disassembly and assembly of the drive motor and final drive transmission..... | 6002 | SM350B6002-0EN |
| Removal and installation of the swing motor and swing reduction gear | 6003 | SM350B6003-0EN |
| Disassembly and assembly of the swing reduction gear | 6004 | SM350B6004-0EN |
| 7 UNDERCARRIAGE HYDRAULICS | | |

* Consult the Engine Service Manual

| DIVISION/SECTION | SECTION N° | REFERENCE N° |
|--|------------|--------------------|
| 8 UPPERSTRUCTURE HYDRAULICS | | |
| Specifications, troubleshooting, checks and hydraulic pressure settings..... | 8001 | SM350B370B8001-0EN |
| Removal and installation of the hydraulic reservoir | 8002 | SM350B8002-0EN |
| Removal and installation of the main hydraulic pump..... | 8003 | SM350B8003-0EN |
| Removal and installation of the main hydraulic control valve..... | 8004 | SM350B8004-0EN |
| Removal and installation of the attachment cylinders..... | 8005 | SM350B8005-0EN |
| Removal and installation of the hydraulic swivel..... | 8006 | SM350B8006-0EN |
| Removal and installation of the pilot blocs..... | 8007 | SM350B8007-0EN |
| Disassembly and assembly of the main hydraulic pump | 8010 | SM350B8010-0EN |
| Disassembly and assembly of the main hydraulic control valve | 8011 | SM350B8011-0EN |
| Disassembly and assembly of the attachment cylinders | 8012 | New part 11/2015 |
| Disassembly and assembly of the hand control levers | 8013 | SM130B8013-0EN |
| Disassembly and assembly of the foot control levers | 8014 | SM350B8014-0EN |
| Disassembly and assembly of the cushion valve..... | 8016 | SM130B8016-0EN |
| Removal and installation of the safety valve..... | 8017 | SM350B8017-0EN |
| Disassembly and assembly of the swing motor | 8019 | SM350B8019-0EN |
| Hydraulic functions | 8020 | SM350B370B8020-0EN |
| Hydraulic component functions..... | 8030 | SM350B370B8030-0EN |
| 9 UPPERSTRUCTURE | | |
| Removal and installation of the counterweight | 9002 | SM350B9002-0EN |
| Removal and installation of the boom, dipper and bucket | 9003 | SM350B9003-0EN |
| Removal and installation of the seat..... | 9004 | SM130B9004-0EN |
| Removal and installation of the cab and cab equipment | 9005 | SM130B9005-0EN |
| Air conditioner functions and troubleshooting..... | 9006 | SC210B9006-2EN |
| Air conditioning unit | 9007 | SM130B9007-0EN |
| Air conditioning components..... | 9009 | SM350B9009-0EN |
| Large size hydraulic schematics | Pocket | KSJ12480-E01 |
| Large size electrical schematics | Pocket | KSR11440-E02 |

NOTE: CNHi France S.A. 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.

All data given in this manual is subject to production variations. Dimensions and weights are provided with approximate values and the machine fitting shown in the illustrations may not correspond with standard models. For precise information on specific machine models and versions, please contact your CASE dealer.

Reproduction or translation, even partial, is prohibited without written authorization from CNHi France SA Company.

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.*

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

<https://shopservicemanual.com/>

Service Manuals from 2\$