

CRAWLER EXCAVATOR CX210B-CX230B-CX240B 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	SC210B1002-1EN
2 ENGINE		
Removal and installation of the engine.....	2000	SM210B2000-1EN
Removal and installation of the fuel cooler, engine inter-cooler, radiator and oil cooler.....	2001	SM210B2001-0EN
Removal and installation of the turbo charger	2004	SM210B2004-0EN
Removal and installation of EGR cooler and EGR valve	2005	SM210B2005-0EN
Removal and installation of the engine hood.....	2006	SM210B2006-0EN
Engine specifications.....	*	
Disassembly and assembly of the engine	*	
3 FUEL SYSTEM		
Removal and installation of the fuel tank.....	3001	SM210B3001-0EN
Removal and installation of the supply pump and common rail	3004	SM130B3004-0EN
Removal and installation of the injectors	3005	SM210B3005-0EN
Fuel engine system	*	
4 ELECTRICAL SYSTEM		
Service connector kit	4000	SM350B4000-1EN
Electrical and engine functions and service support	4001	SM210B4001-2EN
Removal and installation of the starter motor	4004	SM210B4004-0EN
Removal and installation of the alternator	4005	SM210B4005-0EN
Electrical equipment and electrical circuit diagrams.....	4020	SM210B4020-1EN
Engine error code (DTC)	4021	SM210B4021-0EN
Main body error code (DTC).....	4022	SM210B4022-0EN
Troubleshooting, 4HK1 engine	4023	SM210B4023-0EN
5 UNDERCARRIAGE		
Removal and installation of tracks	5001	SM130B5001-0EN
Rollers	5003	SM210B5003-0EN
Take-up roller	5005	SM210B5005-0EN
6 DRIVE TRAIN		
Removal and installation of the drive motor and final drive transmission.....	6001	SM130B6001-0EN
Disassembly and assembly of the drive motor and final drive transmission.....	6002	SM210B6002-0EN
Removal and installation of the swing motor and swing reduction gear, CX210B-CX230B	6003	SM210B6003-0EN
Removal and installation of the swing motor and swing reduction gear, CX240B	6003	SM240B6003-0EN
Disassembly and assembly of the swing reduction gear, CX210B-CX230B ...	6004	SM210B6004-1EN
Disassembly and assembly of the swing reduction gear, CX240B.....	6004	SM240B6004-1EN
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	SM210B8001-3EN
Removal and installation of the hydraulic reservoir	8002	SM210B8002-0EN
Removal and installation of the main hydraulic pump.....	8003	SM210B8003-1EN
Removal and installation of the main hydraulic control valve.....	8004	SM210B8004-1EN
Removal and installation of the attachment cylinders.....	8005	SM210B8005-0EN
Removal and installation of the hydraulic swivel.....	8006	SM210B8006-0EN
Removal and installation of the pilot blocs.....	8007	SM210B8007-0EN
Disassembly and assembly of the main hydraulic pump	8010	SM210B8010-1EN
Disassembly and assembly of the main hydraulic pump, CX210B NLC.....	8010	SM210BNLC-8010-0EN
Disassembly and assembly of the main hydraulic control valve	8011	SM350B8011-0EN
Disassembly and assembly of the attachment cylinders	8012	SM130B8012-0EN
Disassembly and assembly of the hand control levers	8013	SM130B8013-0EN
Disassembly and assembly of the foot control levers	8014	SM130B8014-0EN
Disassembly and assembly of the cushion valve.....	8016	SM130B8016-0EN
Removal and installation of the safety valve.....	8017	SM210B8017-0EN
Disassembly and assembly of the swing motor, CX210B-CX230B	8019	SM210B8019-0EN
Disassembly and assembly of the swing motor, CX240B.....	8019	SM240B8019-1EN
Hydraulic functions	8020	SC210B8020-2EN
Hydraulic component functions.....	8030	SC210B8030-0EN
9 UPPERSTRUCTURE		
Removal and installation of the counterweight	9002	SM210B9002-0EN
Removal and installation of the boom, dipper and bucket	9003	SM210B9003-0EN
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	SC210B9006-3EN
Air conditioning unit	9007	SM130B9007-0EN
Air conditioning components.....	9009	SM210B9009-0EN
Large size hydraulic schematics, CX210B.....	Pocket	KRJ10100
Large size hydraulic schematics, CX210B LR	Pocket	KRJ20680
Large size hydraulic schematics, CX210B-CX230B NLC & 2PC	Pocket	KRJ18270
Large size hydraulic schematics, CX240B.....	Pocket	KBJ12720
Large size hydraulic schematics, CX240B LR	Pocket	KBJ12740
Large size electrical schematics	Pocket	KRR13270

NOTE: CNH 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 CNH France SA Company.