

E805

WORKSHOP MANUAL



All the information and data contained in this manual are based upon most recent information available at the time of its publication.

NEW HOLLAND KOBELCO has the right to implement, at any time, any modification without providing any communication.

NEW HOLLAND KOBELCO CONSTRUCTION MACHINERY S.p.A. - Product Support

Print No. 604.13.445

Edition - October 2005

INTRODUCTION

TO THE READER

- This manual is written for an experienced technician to provide technical information needed to maintain and repair this machine.
- Be sure to thoroughly read this manual for correct information concerning the service procedures.
- If you have any questions or comments, or if you found any errors regarding the contents of this manual, please contact:

NEW HOLLAND KOBELCO
CONSTRUCTION MACHINERY S.p.A.
Strada Settimo, 323
San Mauro Torinese (TO)
10099 ITALIA
PRODUCT SUPPORT
Fax. ++39 011 0077357

ADDITIONAL REFERENCES

- Please refer to the materials listed below in addition to this service manual:
 - **Operation and Maintenance Instruction Manual**
 - **Parts Catalog**

WORKSHOP MANUAL COMPOSITION

- The Workshop Manual consists of five parts:
 - **“Safety Precautions”**
 - **“Operational Principle”**
 - **“Operational Performance Test”**
 - **“Troubleshooting”**
 - **“Repair Instructions”**
- The “Safety Precaution” part includes the recommended procedures that, if followed, can avoid the risk of accident for operator and for staff related to the work and maintenance machine operations.
- The “Operational Principle” part includes the technical information concerning the operation of main devices and systems.
- The “Operational Performance Test” part includes the information needed to carry out the machine operational performance test.
- The “Troubleshooting” part includes the technical information needed for troubleshooting and malfunction detection.
- The “Repair Instruction” part includes information needed for maintenance and repair of the machine, tools and devices needed for maintenance and repair, maintenance standards, removal/installation and assembly/disassembly procedures.

E805 Crawler Excavators

Table of Contents

DIVISION/SECTION	SECTION N°
1 GENERAL INFORMATION	
Safety, general information and standard torque data	1001
General specifications and special torque setting.....	1002
2 ENGINE	
Removal and installation of the engine	2000
Radiator and oil-cooler	2001
Engine specifications	*
Disassembly and assembly of the engine.....	*
3 FUEL SYSTEM	
Fuel tank	3001
Fuel engine system.....	*
4 ELECTRICAL SYSTEM	
Electrical system, electrical and electronic troubleshooting.....	4001
Inspection and maintenance of batteries and connecting a booster battery.....	4002
Main and engine electronic control boxes.....	4003
5 UNDERCARRIAGE	
Removal and installation of tracks	5001
Rollers.....	5003
Sprocket.....	5004
Idler wheel and tension shock absorber	5005
6 DRIVE TRAIN	
Drive motor and final drive transmission removal and installation.....	6001
Drive motor and final drive transmission disassembly and assembly.....	6002
Swing reduction gear, removal and installation	6003
Swing reduction gear, disassembly and assembly	6004
7 UNDERCARRIAGE HYDRAULICS	
8 UPPERSTRUCTURE HYDRAULICS	
Depressurising and decontaminating the hydraulic system, use of the vacuum pump and bleeding the components.....	8000
Specifications, troubleshooting, checks and hydraulic pressure settings	8001
Hydraulic reservoir removal and installation	8002
Main and pilot pumps, removal and installation	8003
Main hydraulic control valve, removal and installation	8004
Attachment cylinders, removal and installation.....	8005
Hydraulic swivel, removal and installation	8006
Pilot blocs, removal and installation.....	8007
Swing motor, removal and installation	8008
Main hydraulic pump, disassembly and assembly.....	8010
Main hydraulic control valve, disassembly and assembly.....	8011
Attachment cylinders, disassembly and assembly.....	8012
Hand control levers, disassembly and assembly	8013
Foot control levers, disassembly and assembly	8014
Six-solenoid valves, disassembly and assembly	8015
Caution valve, disassembly and assembly	8016
Safety valve	8017
Hydraulic swivel, disassembly and assembly	8018
Swing motor, disassembly and assembly	8019
Hydraulic functions.....	8020

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

<https://shopservicemanual.com/>

Service Manuals from 2\$