

NEW HOLLAND
CR920
CR940
CR960
CR970
CR980

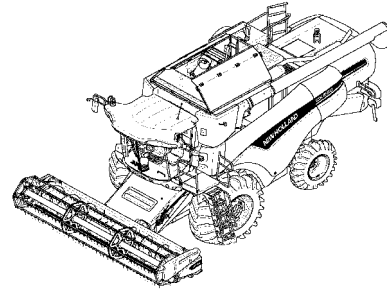
REPAIR
MANUAL



NEW HOLLAND



NEW HOLLAND



**CR920 - CR940 - CR960 - CR970
CR980
COMBINES**

REPAIR MANUAL

SECTIONS

GENERAL INFORMATION

| | |
|---|-----------|
| ENGINE | 10 |
| LIVE PTO | 14 |
| TRANSMISSION | 21 |
| FRONT MECHANICAL DRIVE | 25 |
| HYDROSTATIC DRIVE | 29 |
| BRAKES AND CONTROLS | 33 |
| HYDRAULIC SYSTEMS | 35 |
| TOWING HOOKS & BALLASTING | 37 |
| STEERING AXLE | 41 |
| SUSPENSION & TRACKS | 48 |
| CLIMATE CONTROL | 50 |
| ELECTRICAL SYSTEM | 55 |
| PRODUCT FEEDING | 60 |
| THRESHING | 66 |
| SEPARATION | 72 |
| CLEANING SYSTEM | 74 |
| GRAIN STORAGE | 80 |
| ACCESSORIES | 88 |
| PLATFORM, CAB, BODYWORK AND DECALS | 90 |

S E R V I C E

SECTION 00 - GENERAL INFORMATION

CONTENTS

| Section | Description | Page |
|---------|---|------|
| 00 000 | Foreword | 2 |
| | Part and Accessories | 2 |
| | Precautionary Statements | 3 |
| | Personal Safety | 3 |
| | Machine Safety | 3 |
| | Safety Precautions | 3 |
| | Personal Considerations | 3 |
| | Equipment Considerations | 4 |
| | General Considerations | 5 |
| | Operational Considerations | 5 |
| | Antifreeze (See Fire, Solvents, i.e., Isopropanol, Ethylene Glycol, Methanol) | 7 |
| | Battery Acids (See Acids and Alkalis) | 7 |
| | Brake and Clutch Linings and Pads (See Legal Aspects) | 7 |
| | Brazing (See Welding) | 7 |
| | Chemical Materials - General (See Legal Aspects) | 7 |
| | Clutch Linings and Pads (See Brake and Clutch Linings and Pads) | 8 |
| | Corrosion Protection Materials (See Solvents, Fire) | 8 |
| | Cutting (See Welding) | 8 |
| | Dewaxing (See Solvents and Fuels - Kerosene) | 8 |
| | Dusts | 8 |
| | Electric Shock | 8 |
| | Exhaust Fumes | 9 |
| | Fiber Insulation (See Dusts) | 9 |
| | Fire (See Welding, Foams, Legal Aspects) | 9 |
| | First Aid | 9 |
| | Foams- Polyurethane (See Fire) | 9 |
| | Fuels (See Fire, Legal Aspects, Chemicals - General, Solvents) | 10 |
| | Gas Cylinders (See Fire) | 10 |
| | General Workshop Tools and Equipment | 10 |
| | High-Pressure Air, Lubrication and Oil Test Equipment | 11 |
| | Legal Aspects | 11 |
| | Lubricants and Greases | 11 |
| | Paints (See Solvents and Chemical Materials - General) | 11 |
| | Solder (See Welding) | 11 |
| | Product Identification | 15 |
| | Standard Torque Data for Hydraulic Tubes and Fittings | 18 |
| | Pipe Thread Fitting Torque | 19 |
| | Installation of ORFs (O-ring Flat Faced) Fittings | 19 |
| | Lubrication | 20 |
| | Sealants | 23 |

FOREWORD

Appropriate service methods and correct repair procedures are essential for the safe, reliable operation of all equipment, as well as the personal safety of the individual performing the repair.

This Repair Manual provides troubleshooting, overhaul, and pressure-testing instructions using recommended procedures and equipment. Following these instructions will ensure the safe, efficient, and timely completion of the service or repair.

There are numerous variations in procedures, techniques, tools, and parts for servicing machines, as well as in the skill of the individual doing the work. This manual cannot possibly anticipate all such variations and provide advice or cautions as to each. Accordingly, anyone who departs from the instructions provided in this manual must first establish that their personal safety, the safety of others, and the integrity of the machine will not be compromised by the choice of methods, tools or parts.

The manual is divided into sections which are subdivided into chapters: Each chapter contains information on general operating principles, detailed inspection, overhaul and, where applicable, specific troubleshooting, special tools, and specifications.

Any reference in this manual to right, left, rear, front, top, or bottom is as viewed from the operator's seat, looking toward the normal direction of travel.

All data and illustrations in this manual are subject to variations in build specification. This information was correct at the time of issue, but New Holland policy is one of continuous improvement, and, the right to change specifications, equipment, or design at any time, without notice, is reserved.

ABOUT IMPROVEMENTS

New Holland is continually striving to improve its products. We must, therefore, reserve the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

PART AND ACCESSORIES

Genuine NEW HOLLAND parts and accessories have been specifically designed for NEW HOLLAND MACHINES.

We would like to point out that "NON GENUINE" parts and accessories have not been examined and

released by NEW HOLLAND. The installation and or use of such products could have a negative effect upon the design characteristics of your machine and thereby affect its safety. NEW HOLLAND is not liable for any damage caused by the use of "NON GENUINE" NEW HOLLAND parts and accessories.

PRECAUTIONARY STATEMENTS

PERSONAL SAFETY

Throughout this manual and on machine decals, you will find precautionary statements (“DANGER”, “WARNING”, and “CAUTION”) followed by specific instructions. These precautions are intended for the personal safety of you and those working with you. Please take the time to read them.



This word “DANGER” indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is RED.



This word “WARNING” indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is ORANGE.



This word “CAUTION” indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

FAILURE TO FOLLOW THE “DANGER”, “WARNING”, AND “CAUTION” INSTRUCTIONS MAY RESULT IN SERIOUS BODILY INJURY OR DEATH.

MACHINE SAFETY

The additional precautionary statement (“IMPORTANT”) is followed by specific instructions. This statement is intended for machine safety.

IMPORTANT: *The word “IMPORTANT” is used to inform the reader of something he needs to know to prevent minor machine damage if a certain procedure is not followed.*

INFORMATION

NOTE: *Instructions used to identify and present supplementary information.*

SAFETY PRECAUTIONS

Practically all service work involves the need to drive the combine. The operator’s manual, supplied with each combine, contains detailed safety precautions relating to driving, operating, and servicing the combine. These precautions are as applicable to the service technician as they are to the operator and should be read, understood and practiced by all personnel.

Prior to undertaking any maintenance, repair, overhaul, dismantling or reassembly operations, whether within a workshop facility or in the field, consideration should be given to factors that may have an effect upon safety, not only upon the mechanic carrying out the work, but also upon bystanders.

PERSONAL CONSIDERATIONS

The wrong clothes or carelessness in dress can cause accidents. Be sure to wear suitable clothing when servicing equipment.

Some jobs require special protective equipment; be sure to use protective equipment when required.

Skin Protection

Used motor oil may cause skin cancer. Follow work practices that minimize the amount of skin exposed and length of time used oil stays on your skin.

Eye Protection

The smallest eye injury may cause loss of vision. Injury can be avoided by wearing eye protection when engaged in chiselling, grinding, discing, welding, and painting.

Breathing Protection

Fumes, dust, and paint spray are unpleasant and harmful. These can be avoided by wearing respiratory protection.

Hearing Protection

Loud noise may damage your hearing, and the greater the exposure the worse the damage. If the noise is excessive, wear ear protection.

Lifting Protection

Avoid injury by correctly handling components. Make sure you are capable of lifting the object. If in doubt get help.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com