

ORIGINAL INSTRUCTIONS - according to Directive 2006/42/EC, Annex I 1.7.4.1

# OPERATOR'S MANUAL

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**TD4020F**

**TD4030F**

**TD4040F**

Tractor

**Part number 47924706**

1<sup>st</sup> edition English

September 2015

*Replaces part number 47756615*



## **SECTION SUMMARY**

- 1 – Introduction and safety measures**
- 2 – General information, controls and instruments**
- 3 – Field Operations**
- 4 – Lubrication and Maintenance**
- 5 – Troubleshooting**
- 6 – Vehicle storage**
- 7 – Accessories**
- 8 – Specifications and Data**
- 9 – First 50–Hour Service Forms**
- 10 – Alphabetical Index**

## Electro-magnetic Interference (EMC)

This tractor complies with the European Regulations on electro-magnetic emissions. However, interference may arise as a result of add-on equipment which may not necessarily meet the required standards. As such interference can result in serious malfunction of the unit and/or create unsafe situations, you must observe the following:

- Ensure that each piece of non-New Holland equipment fitted to the tractor bears the CE mark.



- The maximum power of emission equipment (radio, telephones, etc.) must not exceed the limits imposed by the national authorities of the country where you use the tractor.
- The electro-magnetic field generated by the add-on system should not exceed 24 V/m at any time and at any location in the proximity of electronic components.

Failure to comply with these rules will render the New Holland warranty null and void.



For your better and easier understanding of the document you will find original text reproduced hereafter together with some notes

|   |  |
|---|--|
| Clause of<br>2006/42/EC<br><br>Annex II | <b>EN</b><br><br><b>EC Declaration of Conformity</b><br>According to Directives 2006/42/EC   |
| 1.A.1                                   | We, [1]  |
| 1.A.2                                   | Represented by Giuseppe Gavioli,<br>CNH Europe Holding S.A.<br>24, Boulevard Royal<br>L-2449 Luxembourg  |
| 1.A.3                                   | declare under our sole responsibility, that<br>the product:<br><br>Agricultural tractor<br>Trade Name: [2]<br>Model: [3]<br>Type: [4]<br>Serial Number: [5]  |
| 1.A.4                                   | to which this declaration relates, fulfills all<br>the relevant provisions of Directives<br>2006/42/EC amended by: [6]   |
| 1.A.7                                   | For the relevant implementation of the<br>provisions of the Directives, the following<br>(harmonised) standards have been<br>applied:<br><br><ul style="list-style-type: none"> <li>• ISO 26322–1 part 1 or 2</li> <li>• Other standards: see Operator's<br/>Manual</li> </ul> |
| 1.A.9                                   | Place and date of the declaration: [7]   |
| 1.A.10                                  | Name and signature of the authorised<br>person:<br>[8]   |

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**METRIC AND IMPERIAL UNITS  
ABBREVIATIONS**

| TYPICAL APPLICATIONS          | RECOMMENDED SI (METRIC) UNITS |                 | IMPERIAL UNIT         |                      |
|-------------------------------|-------------------------------|-----------------|-----------------------|----------------------|
|                               | NAME                          | SYMBOL          | NAME                  | SYMBOL               |
| <b>AREA</b>                   |                               |                 |                       |                      |
| Land area                     | hectare                       | ha              | acre                  | ha                   |
|                               | square meter                  | m <sup>2</sup>  | square foot           | ft <sup>2</sup>      |
|                               | square millimetre             | mm <sup>2</sup> | square inch           | in <sup>2</sup>      |
| <b>ELECTRICITY</b>            |                               |                 |                       |                      |
|                               | ampere                        | A               | ampere                | A                    |
|                               | volt                          | V               | volt                  | V                    |
|                               | microfarad                    | μF              | microfarad            | μF                   |
|                               | ohm                           | Ω               | ohm                   | Ω                    |
| <b>FORCE</b>                  |                               |                 |                       |                      |
|                               | kilonewton                    | kN              | pound                 | lb                   |
|                               | Newton                        | N               | pound                 | lb                   |
| <b>FORCE PER LENGTH</b>       |                               |                 |                       |                      |
|                               | Newton per meter              | N/m             | pound per inch        | lb/in                |
| <b>FREQUENCY</b>              |                               |                 |                       |                      |
|                               | megahertz                     | MHz             | Megahertz             | MHz                  |
|                               | kilohertz                     | kHz             | kilohertz             | kHz                  |
|                               | hertz                         | Hz              | hertz                 | Hz                   |
| <b>FREQUENCY – ROTATIONAL</b> |                               |                 |                       |                      |
|                               | revolution per minute         | r/min           | revolution per minute | r/min <sup>(a)</sup> |
|                               |                               | rpm             |                       | rpm                  |
| <b>LENGTH</b>                 |                               |                 |                       |                      |
|                               | kilometer                     | km              | mile                  | mi                   |
|                               | meter                         | m               | foot                  | ft                   |
|                               | centimeter                    | cm              | inch                  | in                   |
|                               | millimeter                    | mm              | inch                  | in                   |
|                               | micrometer                    | μm              |                       |                      |
| <b>MASS</b>                   |                               |                 |                       |                      |
|                               | kilogram                      | kg              | pound                 | lb                   |
|                               | gram                          | g               | ounce                 | oz                   |
|                               | milligram                     | mg              |                       |                      |



| TYPICAL APPLICATIONS   | RECOMMENDED SI (METRIC) UNITS |                | IMPERIAL UNIT                            |                          |
|--|-------------------------------|----------------|--|--------------------------|
|  | NAME                          | SYMBOL         | NAME                                     | SYMBOL                   |
| <b>POWER</b>   |                               |                |  |                          |
|  | kilowatt                      | kW             | horsepower                               | Hp                       |
|  | watt                          | W              | Btu per hour<br>Btu per minute           | Btu/hr<br>Btu/min        |
| <b>PRESSURE or STRESS (FORCE PER AREA)</b>                                       |                               |                |  |                          |
|  | kilopascal                    | kPa            | pound per square inch<br>inch of mercury | PSI<br>inHg              |
|  | pascal                        | Pa             | inch of water                            | inH <sub>2</sub> O       |
|  | megapascal                    | Mpa            | pound per square inch                    | PSI                      |
| <b>TEMPERATURE (other than THERMODYNAMIC)</b>                                    |                               |                |  |                          |
|  | degrees Celcius               | °C             | degrees Fahrenheit                       | °F                       |
| <b>TIME</b>  |                               |                |  |                          |
|  | hour                          | h              | hour                                     | h                        |
|  | minute                        | min            | minute                                   | min                      |
|  | second                        | s              | second                                   | s                        |
| <b>TORQUE (includes BENDING MOMENT, MOMENT OF FORCE, and MOMENT OF A COUPLE)</b> |                               |                |  |                          |
|  | Newton meter                  | N m<br>N m     | pound foot<br>pound inch                 | lb ft<br>lb in           |
| <b>VELOCITY</b>  |                               |                |  |                          |
|  | kilometre per hour            | km/h           | mile per hour                            | mph                      |
|  | meter per second              | m/s            | foot per second                          | ft/s                     |
|  | millimetre per second         | mm/s           | inch per second                          | in/s                     |
|  | meter per minute              | m/min          | foot per minute                          | ft/min                   |
| <b>VOLUME (includes CAPACITY)</b>  |                               |                |  |                          |
|  | cubic meter                   | m <sup>3</sup> | cubic yard                               | yd <sup>3</sup><br>cu yd |
|  | litre                         | l              | cubic inch                               | in <sup>3</sup>          |
|  | litre                         | l              | US gallon                                | US gal                   |
|  |                               |                | UK gallon                                | UK gal                   |
|  |                               |                | US quart                                 | US qt                    |
|  |                               |                | UK quart                                 | UK qt                    |
|  | millilitre                    | ml             | fluid ounce                              | fl oz                    |

| TYPICAL APPLICATIONS                                      | RECOMMENDED SI (METRIC) UNITS |                     | IMPERIAL UNIT         |                      |
|---|-------------------------------|---------------------|-----------------------|----------------------|
|   | NAME                          | SYMBOL              | NAME                  | SYMBOL               |
| <b>VOLUME PER TIME (includes DISCHARGE and FLOW RATE)</b> |                               |                     |                       |                      |
|   | cubic meter per minute        | m <sup>3</sup> /min | cubic foot per minute | ft <sup>3</sup> /min |
|   | litre per minute              | l/min               | US gallon per minute  | US gal/min           |
|   | millilitre per minute         | ml/min              | UK gallon per minute  | UK gal/min           |
| <b>SOUND POWER LEVEL and SOUND PRESSURE LEVEL</b>         |                               |                     |                       |                      |
|   | decibel                       | dB                  | decibel               | dB                   |

# SECTION 1

## INTRODUCTION AND SAFETY MEASURES

### TO THE OWNER

#### GENERAL

This Manual has been prepared to assist you in the correct procedure for running-in, driving and operating and for the maintenance of your new tractor. Read this Manual carefully. Your tractor is intended for use in normal and customary agricultural applications.

If at any time you require advice concerning your tractor, do not hesitate to contact your New Holland dealer. He has factory trained personnel, genuine manufacturers' parts and the necessary equipment to carry out all your service requirements.

Your tractor has been designed and built to give maximum performance, economy and ease of operation under a wide variety of operating conditions. Prior to delivery, the tractor was carefully inspected, both at the factory and by your dealer to ensure that it reaches you in optimum condition. To maintain this condition and ensure trouble-free operation, it is important that the routine services, as specified in Section 4 of this Manual, are carried out at the recommended intervals.

#### CLEANING THE TRACTOR

Your tractor is a state-of-the-art machine with user friendly controls. This should be borne in mind when cleaning the tractor, particularly if using a high pressure washer. Even though every precaution has been taken to safeguard electrical components and connections, the pressure generated by some of these machines is such that complete protection against water ingress can not be guaranteed.

When using a high pressure washer, do not stand too close to the tractor and avoid directing the jet at electronic components, electrical connections, breathers, seals, filler caps, etc. Never direct a cold water jet at a hot engine or exhaust.

### SAFETY

Pages 1–5 to 1–25 inclusive list the precautions to be observed to ensure your safety and the safety of others. Read the safety precautions and follow the advice offered **before** operating the tractor.

#### FIRST 50 HOUR SERVICE

In Section 9, at the back of this Manual, you will find the 50-hour service reports.

After you have operated the tractor for 50 hours, take your tractor, together with this Manual, to your dealer. He will then perform the factory recommended 50-hour service and complete the service report sheets (pages 9–1 and 9–3). The first sheet (page 9–1) is the dealer's copy and should be removed by the dealer after the service has been carried out. The second sheet (page 9–3) is your copy of the service performed. **Ensure that you and the dealer sign both copies.**

#### SERVICE PARTS

It should be pointed out that genuine parts have been examined and approved by the Company. The installation and/or use of 'non-genuine' products could have negative effects upon the design characteristics of your tractor and thereby affect its safety. The Company is not liable for any damage caused by the use of 'non-genuine' parts and accessories. Only genuine replacement parts should be used. The use of non-genuine parts may invalidate legal approvals associated with this product.

It is prohibited to carry out any modifications to the tractor unless specifically authorised, in writing, by the After Sales Service department of the Company.

#### WARRANTY

Your tractor is warranted according to legal rights in your country and the contractual agreement with the selling dealer. No warranty shall, however, apply if the tractor has not been used, adjusted and maintained according to the instructions given in the Operator's Manual.

### **ABOUT THIS MANUAL**

This Manual gives information for use of this tractor, as intended and under the conditions foreseen by the manufacturer during normal operation and routine service and maintenance.

- Normal operation means the use of the tractor for the purpose intended by the manufacturer by an operator familiar with the tractor and the mounted or towed equipment and complying with the information for operation and safe practices, as specified by the manufacturer in this Manual and by the signs on the tractor and the equipment.
- Normal operation includes the preparation and storage of the tractor, swinging components into work position and vice versa, adding or removing ballast and picking up and setting off attachments.
- Normal operation includes the adjustment and setting of the tractor and equipment, for the specific condition of the field and/or the crop.
- Routine service and maintenance means activities that must be done daily by an operator familiar with the tractor characteristics and complying with the information for routine service and safe practices, as specified by the manufacturer in this Manual and by signs on the tractor, in order to maintain its proper function. Routine service includes activities such as fuelling, cleaning, washing, topping up fluid levels, greasing, replacing of consumable articles such as lamp bulbs.
- This Manual is not giving all the information related to periodical service, converting and repairs to be carried out by professional service personnel. For some of the latter activities, there may be a need for appropriate facilities, technical skills and tools which are not supplied with the tractor, please refer to your dealer or authorised workshop.
- Periodical service means activities that must be done at defined intervals by trained personnel familiar with the tractor characteristics and which are complying with the information for periodical service and safe practices, as partly specified by the manufacturer in this Manual and in other Company literature, in order to maintain the expected life time of the tractor.
- Converting means activities that must be done by professional service personnel familiar with the tractor characteristics and complying with the information for converting, as partly specified by the manufacturer in this Manual, in assembly instructions or in other Company literature, in order to fit the tractor to a specific configuration.
- Repair means activities that must be done by professional service personnel only familiar with the tractor characteristics and complying with the information for repair, as specified by the manufacturer in the dealer's Workshop Manual, in order to restore the proper function of the tractor after a failure or degradation of performance.

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