

ORIGINAL INSTRUCTIONS - according to Regulation (EU) 2014/1322, Annex XXII

OPERATOR'S MANUAL

T4.55

T4.65

T4.75

Tractor

*PIN ELRT40***HAN00001 and above*

Part number 51519283

3rd edition English

September 2018

Replaces part number 51407197



Contents

1 GENERAL INFORMATION

General information	1-1
Manual scope.....	1-3
Intended use.....	1-5
Electro-magnetic compatibility (EMC).....	1-7
International symbols	1-8
Identification plates	1-10
Approval data plate.....	1-20
Machine orientation.....	1-21
Ecology and the Environment	1-22

2 SAFETY INFORMATION

Safety rules and signal word definitions	2-1
Safety rules - General information	2-2
Safety rules – Maintenance	2-2
Safety rules - Wheels and tires	2-3
Safety rules – Explosions and fires	2-4
Safety rules - Fire extinguisher	2-4
Safety rules – Battery	2-5
Safety rules - Passenger seat	2-5
Safety rules – Operator presence system	2-5
Safety rules - Power Take-Off (PTO)	2-6
Safety rules - Reflectors and warning lights	2-6
Safety rules - Seat belts	2-6
Safety rules - Operator protective structure	2-6
Safety rules - HVAC system	2-8
Safety rules - Personal Protective Equipment (PPE)	2-8
Safety rules - "Do not use" sign	2-9
Safety rules - Hazardous chemicals	2-9
Safety rules - Near utilities	2-9
Safety rules - In the event of electrical storms	2-9
Safety rules – Mounting and dismounting the machine	2-10
Safety rules - Lifting and overhead loads	2-10
Ecology and environment	2-11
Safety aspects in accordance with Regulation (EU) 1322/2014 - Annex XXII and subsequent amendments and modifications	2-12
Noise levels.....	2-20
Vibration levels	2-21
Machine stability.....	2-22
Towing the tractor for recovery	2-24
Tractor jacking points.....	2-25
Burn prevention.....	2-26
Fire and explosion prevention	2-27
Wheel chock.....	2-28
Access to operator's platform	2-29
Emergency Exit.....	2-30

Safety signs	2-31
--------------------	------

3 CONTROLS AND INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

Mounting and dismounting	3-1
Getting to know the internal parts of the cab	3-2
Rear-view outside mirrors - Localization overview	3-4
Clock adjustment	3-5

OPERATOR'S SEAT

Operator seat	3-6
Air seat	3-7
Seat belt	3-9

INSTRUCTOR'S SEAT

Instructor's seat	3-10
-------------------------	------

FORWARD CONTROLS

Instrument panel	3-10
Front controls	3-16

LEFT-HAND SIDE CONTROLS

Left side console	3-20
Left side post controls	3-21
Hand brake lever - Operating	3-23

RIGHT-HAND SIDE CONTROLS

Version with cab	3-24
Heating, ventilation or air-conditioning control	3-27
Cableless version	3-29
Park lock	3-30

Power sockets

Electrical systems - Localization overview	3-31
--	------

Settings and display

Instrument cluster Analog-Digital Instrument Cluster (ADIC) - Program	3-32
Instrument cluster - Program	3-34
Ground speed calibration	3-36
Calibrating tool width	3-37
Programming maintenance work	3-38
Activating/deactivating buzzer	3-40
Setting units of measurement	3-41
Viewing error codes	3-42

4 OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

Basic operating safety rules	4-1
Filling the fuel tank	4-2

STARTING THE UNIT

Starting the engine	4-3
---------------------------	-----

STOPPING THE UNIT

Stopping the engine	4-4
Battery isolator control switch	4-6

MOVING THE UNIT

Machine movement start-up.....	4-7
--------------------------------	-----

5 TRANSPORT OPERATIONS

ROAD TRANSPORT

Tractor transporting.....	5-1
---------------------------	-----

RECOVERY TRANSPORT

Towing the tractor.....	5-1
-------------------------	-----

6 WORKING OPERATIONS

GENERAL INFORMATION

Roll Over Protective Structure (ROPS).....	6-1
--	-----

Transmission

Transmission operation.....	6-2
-----------------------------	-----

Four-Wheel Drive (4WD)

Four-wheel drive with electro-hydraulic control.....	6-4
--	-----

DIFFERENTIAL LOCK

Mechanical differential lock.....	6-6
-----------------------------------	-----

REAR POWER TAKE-OFF (PTO)

Safety rules.....	6-6
Attaching Power-Take Off (PTO) driven equipment	6-7
Power take-off speeds.....	6-9
Independent Power Take-Off.....	6-10
Synchronised power take-off	6-11
Mechanically controlled power take-off.....	6-12
Stationary power take off operation switch	6-13

REAR REMOTE CONTROL VALVE(S)

Remote control valves - Safety rules	6-14
Operation	6-14

REAR HYDRAULIC LIFT

General	6-16
Hydraulic lift with mechanical control	6-17
Lift-O-Matic® control - Operating	6-20

Three-point hitch

Rear three-point hitch - Operating	6-22
Additional equipment attachment points	6-25

TOWBAR

Safety rules	6-26
Towbar	6-27

REAR TOW HITCH

Safety rules	6-28
Rear tow hitch	6-29
Rear tow hitch	6-30
Rear tow hitch	6-30
Automatic trailer hitch	6-31
Automatic pickup hitch	6-32

WHEELS AND TIRES

Safety rules	6-34
Tires size	6-38
Adjustment of the front tracks	6-39
Disc-to-rim coupling for front 4WD tires	6-42
Adjustment of the front mudguards	6-43
Adjustment of the steering angles	6-45
Front tracks diagram	6-46
Rear tracks diagram	6-48

BALLAST

Safety rules	6-49
Metal ballast	6-49
Liquid ballast	6-51

Trailer braking systems

Hydraulic trailer brakes - Dual-line, compatible with trailers with universal single line	6-54
Brake control switch - Operating	6-56

7 MAINTENANCE

GENERAL INFORMATION

General safety before you service.....	7-1
Introduction	7-3
Various controls	7-4
General specification - Diesel fuel	7-5
Consumables.....	7-6
Capacities	7-7
Engine oil recommended operating temperature range - Recommended engine oil for operating temperature ranges	7-8
Organic Acid Technology (OAT) coolant.....	7-9
Body maintenance.....	7-11
Opening the hood	7-13

MAINTENANCE CHART

Maintenance chart.....	7-14
------------------------	------

As necessary

Radiator - Check – Fluid level	7-15
Windshield washer fluid reservoir - Filling	7-16
Front light - Check	7-16
Air conditioning - Check	7-16
Radiator - Cleaning	7-17
Brake pedals - Check.....	7-17
Hand brake lever - Check	7-17
Wheels - Check.....	7-18
Remote control valve reservoir - Check.....	7-18

AT WARNING MESSAGE DISPLAY

Air cleaner - Cleaning	7-18
Fuel filters - Drain fluid	7-19
Brake fluid reservoir - Filling.....	7-20

Every 10 hours or daily

Engine - Check - Oil Level	7-20
----------------------------------	------

After the first 50 hours of operation

Maintenance - Tighten.....	7-21
Maintenance - Check.....	7-21
Maintenance - Replace.....	7-21
Maintenance - Cleaning	7-22
Maintenance - Test	7-22
Maintenance - Grease.....	7-22

Every 50 hours

Rear three-point hitch linkage - Grease	7-22
Rear hitch - Grease - Mechanical lift	7-23

Axle articulation - Grease – (4WD)	7-23
Steering knuckle - Grease – (2WD)	7-23
Front axle - Grease – Pivot pin (2WD)	7-24
Steering cylinder - Grease – (2WD)	7-24

Every 100 hours

Air-conditioning condenser - Cleaning	7-24
Transmission cooler - Cleaning.....	7-25
Cab air filters - Cleaning.....	7-25
Cab air filters - Cleaning - Recirculation Filters	7-26
Accessory belt - Check - Alternator belt	7-26
Compressor drive belt - Check - Air conditioner belt	7-26

Every 300 hours

Lift oil filters - Replace	7-27
Transmission oil filter - Replace	7-27
Transmission drive housing - Check - Oil Level	7-28
Air cleaner - Cleaning	7-28
Four-Wheel Drive (4WD) axle - Check – Oil level	7-29
Final drive - Check – Oil level (4WD)	7-29
Steering knuckle and king pin - Grease – (4WD)	7-29
Axle wheel hub - Grease – Bearing (2WD)	7-30

Every 600 hours

Engine - Replace - Oil and filter	7-30
Fuel filters - Replace	7-32
Wheels - Tighten	7-33
Driving wheel shaft - Grease - Bearing (4WD)	7-34

Every 1200 hours or annually

Cab air filters - Replace	7-34
Air filter Recirculation filter - Replace.....	7-34
Air cleaner - Replace	7-35
Fuel tank - Drain fluid.....	7-35
Blowby recirculation filter - Replace	7-35

Every 1200 hours or two years

Transmission drive housing - Change fluid.....	7-36
Four-Wheel Drive (4WD) axle - Change fluid	7-36
Final drive - Change fluid – (4WD)	7-36
Accessory belt - Replace - Alternator belt	7-37
Compressor drive belt - Replace - Air conditioner belt	7-37
Radiator - Change fluid - Conventional coolant	7-37

Every two years

Receiver-dryer - Replace	7-40
--------------------------------	------

Every 3600 hours or four years

Radiator - Change fluid - OAT coolant	7-40
---	------

Electrical system

Battery - Check	7-42
Fuses and relays - Check	7-44
Fuses and Relays	7-45
Fuse and relay locations	7-46
Light adjustments	7-57
Hood lamp replacement	7-57

STORAGE

Placing in storage	7-58
--------------------------	------

8 TROUBLESHOOTING

FAULT CODE RESOLUTION

Engine - Troubleshooting	8-1
Electrical system - Troubleshooting ELECTRICAL SYSTEM	8-2
Hydraulic systems - Troubleshooting HYDRAULIC SYSTEM	8-3
Couplers - Troubleshooting	8-3
Rear three-point hitch - Troubleshooting	8-3
Hydraulic service brakes - Troubleshooting	8-4
Cab climate control - Troubleshooting	8-4

ALARM(S)

Alarms	8-5
Display warnings overview	8-6
Viewing error codes	8-8
Error code identification	8-9
Fault code of digital instrument	8-9

9 SPECIFICATIONS

Dimensions and weights	9-1
Maximum permitted loads on drawbar	9-4
Maximum permitted loads on towing hitch	9-5
Maximum permitted loads on front and rear axle	9-6
12 x 12 transmission speed table	9-8
Speed table for 12 x 12 gearbox with additional reducer (20 x 20)	9-10
Technical data	9-12
Consumables	9-18
Capacities	9-19
Engine oil temperature chart	9-20

10 ACCESSORIES

Radio	10-1
Single piece ballast	10-12
Engine coolant heater	10-14
Joystick for control valves	10-15



1 - GENERAL INFORMATION

General information

This manual contains information concerning the adjustment and maintenance of your new equipment. You have purchased a dependable machine, but only by proper care and operation can you expect to receive the performance and long service built into this equipment. Please have all operators read this manual carefully and keep it available for ready reference.

The NEW HOLLAND dealer will provide instructions on the general operation of new equipment. The dealer's staff, assigned to maintenance, is available for any questions related to the operation of the machine.

Your NEW HOLLAND dealer carries a complete line of genuine NEW HOLLAND service parts. These parts are manufactured and carefully inspected to insure high quality and accurate fitting of any necessary replacement parts. Be prepared to give your dealer the model and product identification number of your new equipment when ordering parts. Locate these numbers now and record them below. Refer to the 'General Information' section of this manual for the location of the model code and product identification numbers of your machine.

PLEASE RECORD THE FOLLOWING INFORMATION
Model :
Product Identification Number (PIN):



Warning symbol. It is used with and without signal words to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible death or injury.

⚠ WARNING

**Illustrations in this manual may show protective shielding open or removed to better illustrate a particular feature or adjustment.
Replace all shields before operating the machine.
Failure to comply could result in death or serious injury.**

W0012A

The machine has been designed and built according to the highest standards of quality and it complies with all current safety regulations. However, the risk of accidents can never be completely excluded. That is why it is essential to observe elementary safety rules and precautions.

Read this manual carefully, paying particular attention to the instructions concerning safety, operation and maintenance so as to avoid the risk of injury while operating or servicing the machine.

Do not use this machine for any application or purpose other than those described in this manual. If the machine is to be used for work involving the use of special attachments, accessories or equipment, consult your NEW HOLLAND Dealer in order to make sure that any adaptations or modifications made are in keeping with the machine's technical specifications and with prevailing safety requirements.

Any modification or adaptation which is not approved by the manufacturer may invalidate the machine's initial conformity with safety requirements.

The machine must undergo regular inspections, the frequency of which varies according to the type of use. Consult your authorized NEW HOLLAND dealer.

Always keep this manual in the operator's compartment (in the seat back, behind the operator's seat). Make sure it is always complete and in good condition. To receive extra copies of the manual or copies in languages other than that of your country of residence, please contact your NEW HOLLAND dealer.

The manufacturer is committed to the constant improvement of its products. We 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.

NOTICE: *The information in this manual is provided on the basis of the information that was available at the time the manual was written. Settings, procedures, part numbers, software and other items may change, which may affect the maintenance of the machine. Ensure that you have complete and current information from your dealer before you start any machine operation. All data given in this book is subject to production variations.*

Engine tampering statement:

ATTENTION: *The fuel system and engine on your machine are designed and built to government emissions standards. Tampering by dealers, customers, operators and users is strictly prohibited by law. Failure to comply with this prohibition could result in government fines, rework charges, invalid warranty, legal action and possible confiscation of the machine until rework to original condition is completed. Engine service and/or repairs must be done by a certified technician only!*

Manual scope

Introduction to this manual

This manual gives information about the use of your NEW HOLLAND machine as intended and under the conditions foreseen by NEW HOLLAND during normal operation, routine service, and maintenance.

This manual does not contain all the information that relates to periodic service, conversions, and repairs that only trained service personnel can perform. Some of these activities may require appropriate facilities, technical skills, and/or tools that NEW HOLLAND does not supply with the machine.

The manual contains the chapters as shown on the Contents pages. See the Index at the end of this manual to locate specific items about your NEW HOLLAND machine.

Normal operation

Normal operation consists of the use of this machine for the purpose NEW HOLLAND intends by an operator that:

- Is familiar with the machine and any mounted equipment or towed equipment
- Complies with the information on operation and safe practices as specified by NEW HOLLAND in this manual and by the signs on the machine

Normal operation includes:

- Preparation and storage of the machine
- Addition and removal of ballast
- Connection and disconnection of mounted equipment and/or towed equipment
- Adjustment and configuration of the machine and equipment for the specific conditions of the job site, field, and/or crop
- Movement of components into and out of working positions

Routine service and maintenance

Routine service and maintenance consists of the daily activities necessary to maintain the proper machine function. The operator must:

- Be familiar with the machine characteristics
- Comply with the information on routine service and safe practices as specified by NEW HOLLAND in this manual and by the signs on the machine

Routine service can include:

- Fueling
- Cleaning
- Washing
- Topping up fluid levels

- Greasing
- Replacing consumable items such as light bulbs

Periodic service, conversions, and repairs

Periodic service consists of activities that are necessary to maintain the expected life of the NEW HOLLAND machine. These activities have defined intervals.

Trained service personnel familiar with the machine characteristics must perform these activities at the defined intervals. Trained service personnel must comply with the information on periodic service and safe practices as partly specified by NEW HOLLAND in this manual and/or other company literature.

Periodic service includes:

- Oil change service for the engine, hydraulic circuits, or transmission
- Periodic exchange of other substances or components as required

Conversion activities rebuild the NEW HOLLAND machine in a configuration that is appropriate for a specific job site, crop, and/or soil conditions (e.g., installation of dual wheels). Conversion activities must be done:

- By trained service personnel familiar with the machine characteristics
- By trained service personnel that comply with the information on conversion as partly specified by NEW HOLLAND in this manual, assembly instructions, and/or other company literature

Repair activities restore proper function to a NEW HOLLAND machine after a failure or degradation of performance. Dismantling activities occur during the scrapping and/or dismantling of the machine.

Trained service personnel familiar with the machine characteristics must perform these activities. Trained service personnel must comply with the information for repair as specified by NEW HOLLAND in the service manual.

Before you operate

Read this manual before you start the engine or operate this NEW HOLLAND machine. Contact your NEW HOLLAND dealer if:

- You do not understand any information in this manual
- You need more information
- You need assistance

All persons training to operate, or who will operate this NEW HOLLAND machine should be old enough to possess a valid local vehicle operating permit (or meet other applicable local age requirements). These persons must

demonstrate the ability to operate and service the NEW HOLLAND machine in a correct and safe manner.

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