

ORIGINAL INSTRUCTIONS

Farmall 115C
Tractor

OPERATOR'S MANUAL

Part number 47604432

2nd edition English
September 2013



Contents

1 GENERAL INFORMATION

| | |
|--|------|
| Note to the Owner | 1-1 |
| Note to the Owner | 1-3 |
| Proposition 65 | 1-5 |
| Electro-magnetic interference (EMC)..... | 1-6 |
| International symbols | 1-7 |
| Introduction | 1-9 |
| Operator's manual storage | 1-10 |
| Tractor intended use..... | 1-11 |
| Ecology and the Environment | 1-13 |
| Identification plates | 1-14 |
| Component Identification | 1-16 |

2 SAFETY INFORMATION

| | |
|--|------|
| Safety rules and signal word definitions | 2-1 |
| Safety information | 2-2 |
| Air conditioning safety regulations..... | 2-6 |
| Vehicle vibration levels | 2-7 |
| Cab guard | 2-8 |
| Machine stability..... | 2-10 |
| Personal protective equipment (PPE)..... | 2-12 |
| Tractor jacking points | 2-13 |
| Hazardous chemicals..... | 2-14 |
| Burn prevention..... | 2-15 |
| Fire or explosion prevention | 2-16 |
| Getting in and out of the machine | 2-17 |
| Emergency exit | 2-18 |
| Safety signs | 2-19 |

3 CONTROLS/INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

| | |
|---------------------------|-----|
| General information | 3-1 |
| Cab | 3-2 |

OPERATOR'S SEAT

| | |
|---|-----|
| Mechanically-adjusted operator seat - Adjust | 3-6 |
| Pneumatically-adjusted operator seat - Adjust | 3-7 |
| Seat belt | 3-9 |

INSTRUCTOR'S SEAT

| | |
|--|------|
| Instructional seat - Localisation overview | 3-10 |
|--|------|

FORWARD CONTROLS

| | |
|--|------|
| Instrument cluster | 3-11 |
| Console Front console - Localisation overview..... | 3-16 |

LEFT-HAND SIDE CONTROLS

| | |
|-------------------------|------|
| Cableless version | 3-19 |
| Version with cab | 3-19 |
| Handbrake..... | 3-19 |

RIGHT-HAND SIDE CONTROLS

| | |
|--|------|
| Cableless version | 3-20 |
| Version with cab | 3-21 |
| Console Right-hand console - Localisation overview | 3-22 |
| Heating, ventilation or air-conditioning control | 3-23 |

EXTERIOR CONTROLS

| | |
|---------------------------------|------|
| Trailer electrical socket | 3-25 |
|---------------------------------|------|

DISPLAY SETTINGS

| | |
|---|------|
| Programmable display..... | 3-25 |
| Adjusting the dashboard/display brightness | 3-27 |
| Calibrating speed..... | 3-29 |
| Calibrating tool width | 3-31 |
| Programming maintenance work | 3-32 |
| Activating/deactivating buzzer..... | 3-34 |
| Setting units of measurement | 3-35 |
| Regenerating the diesel particulate filter (DPF) automatically/manually | 3-36 |
| Resetting the oil change counter | 3-41 |
| Viewing error codes | 3-42 |

4 OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

| | |
|------------------------------------|-----|
| Basic operating safety rules | 4-1 |
|------------------------------------|-----|

STARTING THE UNIT

| | |
|--------------------------------|-----|
| Starting the Engine | 4-3 |
| Machine movement start-up..... | 4-5 |

STOPPING THE UNIT

| | |
|---------------------------|-----|
| Stopping the engine | 4-6 |
|---------------------------|-----|

MOVING THE UNIT

| | |
|--|------|
| Transmission operation..... | 4-7 |
| 12 x 12 transmission speed table | 4-10 |
| Speed table for 12 x 12 gearbox with additional reducer (20 x 20)..... | 4-12 |

5 TRANSPORT OPERATIONS

ROAD TRANSPORT

Transporting the machine 5-1

RECOVERY TRANSPORT

Towing the tractor..... 5-2

6 WORKING OPERATIONS

FOUR WHEEL DRIVE (4WD)

Four-wheel drive with electro-hydraulic control..... 6-1

DIFFERENTIAL LOCK

Mechanical differential lock..... 6-2

Electrohydraulic differential lock..... 6-3

REMOTE CONTROL VALVES

Safety rules..... 6-4

Rear remote control valve(s)..... 6-5

Single/double action hydraulic valves..... 6-7

REAR POWER TAKE-OFF (PTO)

General..... 6-8

Speed adjustment..... 6-9

Electrohydraulically controlled power take-off..... 6-10

Power take-off speeds..... 6-11

REAR HYDRAULIC LIFT

Hydraulic lift with mechanical control..... 6-13

REAR 3-POINT HITCH

Three-point linkage..... 6-15

Three-point linkage dimensions..... 6-17

Additional equipment attachment points..... 6-18

TOWBAR

General safety rules..... 6-20

Swinging drawbar..... 6-21

REAR TOW HITCH

General safety rules..... 6-22

WHEELS AND TIRES

| | |
|-----------------------|------|
| Wheels and tires..... | 6-23 |
| Tire dimensions..... | 6-27 |

WHEEL TRACK ADJUSTMENT

| | |
|---|------|
| Adjustment of the front tracks | 6-28 |
| Adjustment of the front mudguards..... | 6-30 |
| Adjustment of the steering angles | 6-32 |
| Front tracks diagram | 6-33 |
| Rear tracks diagram..... | 6-35 |

BALLAST

| | |
|------------------------|------|
| Safety rules..... | 6-36 |
| Front ballast | 6-37 |
| Rear Ballast | 6-37 |
| Wheels - Ballast | 6-38 |

7 MAINTENANCE

GENERAL INFORMATION

| | |
|--|-----|
| General safety before you service..... | 7-1 |
| Introduction | 7-3 |
| Fuel supply | 7-4 |
| Biodiesel fuel - Biodiesel Fuels | 7-5 |
| Body maintenance..... | 7-6 |
| Opening the hood | 7-8 |
| Fluids and lubricants | 7-9 |

MAINTENANCE CHART

| | |
|-------------------------|------|
| Maintenance Chart | 7-10 |
|-------------------------|------|

As required

| | |
|--|------|
| Radiator expansion tank..... | 7-11 |
| Windshield washer reservoir..... | 7-12 |
| Air conditioning - Dehydration filter..... | 7-12 |
| Distributor oil recovery pan | 7-12 |
| Radiator - Check | 7-13 |
| Brakes - Adjust | 7-13 |
| Machine lights | 7-13 |
| Tire pressure | 7-14 |
| Clutch pedal adjustment..... | 7-15 |

At warning message display

| | |
|---|------|
| Dry air filter - External cartridge | 7-16 |
| Brake fluid level..... | 7-17 |
| Fuel filter water drain | 7-17 |

Every 10 hours or daily

| | |
|------------------------|------|
| Engine oil level | 7-18 |
|------------------------|------|

After first 50 hours

| | |
|------------------------------|------|
| Maintenance - Tighten..... | 7-18 |
| Maintenance - Check..... | 7-18 |
| Maintenance - Replace..... | 7-19 |
| Maintenance - Cleaning | 7-19 |
| Maintenance - Test | 7-20 |
| Maintenance - Grease..... | 7-20 |

Every 50 hours

| | |
|---------------------------------------|------|
| Rear three-point hitch - Grease | 7-21 |
| Front axle..... | 7-21 |

Every 100 hours

| | |
|---------------------------------------|------|
| Air conditioning condenser | 7-22 |
| Transmission oil heat exchanger | 7-22 |
| Intercooler | 7-22 |
| Cab air filters | 7-23 |
| Cab recirculated air filter | 7-23 |
| Alternator belt..... | 7-24 |
| Compressor belt..... | 7-24 |

Every 300 hours

| | |
|---|------|
| Hydraulic circuit oil filter | 7-25 |
| Auxiliary services oil filter..... | 7-25 |
| Dry air filter - External cartridge | 7-26 |
| Transmission and hydraulic lift | 7-26 |
| Front Axle Oil | 7-27 |
| Front axle final drives..... | 7-27 |
| Front axle spindle..... | 7-27 |

Every 600 hours

| | |
|------------------------------------|------|
| Change engine oil and filter | 7-28 |
| Replacing the fuel filters | 7-29 |
| Fuel prefilter | 7-29 |
| Wheel bolt torque..... | 7-30 |

Every 1200 hours or annually

| | |
|--------------------------------|------|
| Rear wheel hub..... | 7-31 |
| Replacing cab air filters..... | 7-31 |
| Replacing air filters | 7-31 |
| Fuel tank drain..... | 7-32 |
| Blow-by filter..... | 7-32 |

Every 1200 hours or two years

| | |
|--|------|
| Replacing front axle oil | 7-33 |
| Replacing front axle final drive oil | 7-33 |
| Replacing transmission oil..... | 7-33 |
| Washing cooling system..... | 7-35 |

Every 3000 hours

| | |
|--------------------------------------|------|
| Diesel particulate filter (DPF)..... | 7-37 |
|--------------------------------------|------|

ELECTRICAL SYSTEM

| | |
|--------------------------------|------|
| Battery service..... | 7-38 |
| Fuses and relay box | 7-40 |
| Fuse and relay locations | 7-42 |
| Light adjustments..... | 7-49 |
| Hood lamp replacement..... | 7-50 |

STORAGE

| | |
|-----------------------|------|
| Tractor storage | 7-51 |
|-----------------------|------|

CALIBRATION

| | |
|--------------------------|------|
| Clutch calibration | 7-52 |
|--------------------------|------|

8 TROUBLESHOOTING

FAULT CODE RESOLUTION

| | |
|---|-----|
| TROUBLESHOOTING ENGINE | 8-1 |
| Electrical system - Troubleshooting ELECTRICAL SYSTEM | 8-3 |
| Hydraulic systems - Troubleshooting HYDRAULIC SYSTEM | 8-4 |
| Rear three-point hitch - Troubleshooting HYDRAULIC LIFT AND 3-POINT LINKAGE | 8-5 |
| Hydraulic service brakes - Troubleshooting | 8-6 |
| Cab climate control - Troubleshooting..... | 8-7 |

ALARM(S)

| | |
|---------------------------------|-----|
| Alarms | 8-8 |
| Display warnings overview | 8-9 |

SYMPTOM(S)

| | |
|---------------------------------------|------|
| Viewing error codes | 8-13 |
| Error code identification | 8-13 |
| Fault code of digital instrument..... | 8-15 |

9 SPECIFICATIONS

| | |
|---|-----|
| Dimensions and weights | 9-1 |
| Maximum permitted loads on front and rear axle..... | 9-4 |
| Maximum permitted loads on drawbar | 9-4 |
| Technical data | 9-5 |

10 ACCESSORIES

| | |
|--|-------|
| Radio | 10-1 |
| Joystick and Electric Hydraulic (EH) control - Operating | 10-9 |
| Front loader and bucket - Operating | 10-10 |

1 - GENERAL INFORMATION

Note to the Owner

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 dealer CASE IH 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 CASE IH dealer carries a complete line of genuine CASE IH 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 and product identification numbers of your machine.

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



This is the safety alert 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 complies with the standing regulations on safety. 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 CASE IH 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. CASE IH Consult your authorised 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 the country of residence, please contact your CASE IH 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 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 the complete and most 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 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!*

Note to the Owner

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. Ensure that all operators read this manual with care and always leave it at their disposal for immediate reference.

The CASE IH Dealer will provide you with the general instructions for operating your new machine. Your dealer's staff of factory-trained service technicians will be glad to answer any questions that may arise regarding the operation of your machine.

Case IH Max Service is also available. Call 1-877-4CASEIH (1-877-422-7344) or email: maxservice.na@cnh.com.

Your CASE IH dealer carries a complete line of genuine CASE IH service parts. These parts are manufactured and carefully inspected to ensure 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 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 complies with the standing regulations on safety. 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 CASE IH 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. CASE IH Consult your authorised 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 the country of residence, please contact your CASE IH dealer.

NOTICE: *The information in this manual is provided on the basis of 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 the complete and most 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 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!*

Improvements

CNH America LLC applies a policy of continuous product development and improvement. 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.

Proposition 65

| CALIFORNIA Proposition 65 Warning |
|--|
| Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects and other reproductive harm. Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling. |

Electro-magnetic interference (EMC)

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:

- 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 machine.
- 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.
- The add-on equipment must not interfere with the functioning of the on board electronics.

Failure to comply with these rules will render the [brand] warranty null and void.

Buy Now



Our support email:

ebooklibonline@outlook.com