

ORIGINAL INSTRUCTIONS

OPERATOR'S MANUAL

T7.230

T7.245

T7.260

Tier 4B (final)

Sidewinder II

Tractor

Part number 4796046 I

2nd edition English

September 2016

Replaces part number 47915042



Contents

1 GENERAL INFORMATION

| | |
|---|------|
| Metric and imperial units abbreviations..... | 1-1 |
| To the owner..... | 1-3 |
| Operator's manual storage..... | 1-5 |
| Product identification..... | 1-6 |
| Engine identification..... | 1-7 |
| Drive line identification..... | 1-8 |
| Cab identification..... | 1-8 |
| Ecology and the environment..... | 1-9 |
| Programming tractor functions..... | 1-10 |
| Before operating the tractor..... | 1-11 |
| International symbols..... | 1-12 |
| Machine stability..... | 1-13 |
| Selective Catalytic Reduction (SCR) system..... | 1-17 |

2 SAFETY INFORMATION

| | |
|--|------|
| Safety precautions..... | 2-1 |
| Safety decals..... | 2-3 |
| Safety rules..... | 2-11 |
| Burn prevention..... | 2-18 |
| Prevention of fire or explosions..... | 2-19 |
| Fire extinguisher..... | 2-20 |
| Protection offered by the tractor..... | 2-21 |
| Hazardous substances..... | 2-24 |
| Emergency exit..... | 2-25 |
| Wheel chocks..... | 2-26 |
| Intended use statement..... | 2-27 |
| Instructor's seat..... | 2-29 |

3 CONTROLS AND INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

| | |
|--|-----|
| Introduction..... | 3-1 |
| Cab air filters..... | 3-5 |
| In cab storage (where fitted)..... | 3-6 |
| Cable and wiring routing..... | 3-7 |
| Mobile telephone usage..... | 3-7 |
| Implement monitor installation..... | 3-8 |
| Cab air pressurisation control (where fitted)..... | 3-9 |

OPERATOR'S SEAT

| | |
|---|------|
| Operator's seat..... | 3-10 |
| Air suspension seat deluxe..... | 3-11 |
| Air suspension seat with passive or Dynamic Damping System (DDS)..... | 3-15 |
| Air suspension seat 'evolution active'..... | 3-21 |
| Seat belt..... | 3-27 |

INSTRUCTOR'S SEAT

| | |
|--------------------------|------|
| Instructional seat | 3-28 |
|--------------------------|------|

FORWARD CONTROLS

| | |
|--|------|
| Ignition key | 3-29 |
| Hazard lights switch | 3-29 |
| Lights and turn indicator lever | 3-30 |
| Follow me home lights | 3-30 |
| Windshield wiper and washer controls | 3-31 |
| Electronic parking brake | 3-32 |
| Anti-lock braking system ABS Operation | 3-36 |
| Clutch pedal | 3-44 |
| Foot brakes | 3-44 |
| Exhaust brake (where fitted) | 3-45 |
| Steering column | 3-46 |

LEFT-HAND SIDE CONTROLS

| | |
|-----------------|------|
| Handbrake | 3-47 |
|-----------------|------|

RIGHT-HAND SIDE CONTROLS

| | |
|--------------------------------|------|
| Integrated control panel | 3-48 |
| Hand throttle | 3-49 |
| Multi function handle | 3-49 |

REARWARD CONTROLS

| | |
|--|------|
| Switches on C-pillar | 3-50 |
| Hydraulic master switch | 3-51 |
| Heated screens (where fitted) | 3-52 |
| Autoguidance system (where fitted) | 3-53 |
| ISO bus functionality | 3-53 |
| Battery isolator switch (where fitted) | 3-54 |
| Climate controls | 3-55 |
| Manual temperature control | 3-56 |
| Automatic Temperature Control (ATC) | 3-57 |

OVERHEAD CONTROLS

| | |
|--|------|
| Switch panel work lights | 3-58 |
| Left-hand and right-hand outermost work light switch | 3-59 |
| Interior light | 3-60 |

INSTRUMENT CLUSTER

| | |
|--|------|
| Analog Digital Instrument Cluster (ADIC) | 3-61 |
| Gauges | 3-62 |
| Indicator and warning lights | 3-63 |
| Displays | 3-65 |
| Keypad enhanced | 3-68 |

| | |
|--|-------|
| Selecting or changing the display settings | 3-70 |
| Ground speed calibration..... | 3-71 |
| Performance monitor | 3-74 |
| Armrest color display | 3-79 |
| Pop-up screens on color display | 3-80 |
| Performance monitor on color display..... | 3-85 |
| Programming the displays..... | 3-90 |
| Alarm functions | 3-93 |
| Accessing stored error codes | 3-95 |
| Selective Catalytic Reduction (SCR) exhaust treatment - Overview | 3-96 |
| Warning and advisory symbols | 3-106 |
| Warning and advisory symbols | 3-119 |

4 OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

| | |
|----------------------------|-----|
| Refueling the tractor..... | 4-1 |
|----------------------------|-----|

STARTING THE UNIT

| | |
|--|-----|
| Starting the engine | 4-3 |
| Grid heater cold start aid (where fitted)..... | 4-5 |
| Fuel heater (where fitted)..... | 4-5 |
| Coolant immersion heater (where fitted) | 4-6 |
| Transmission oil heater (where fitted) | 4-7 |
| Boosting the battery | 4-8 |

STOPPING THE UNIT

| | |
|--|------|
| Stopping the engine | 4-9 |
| Automatic engine shut down | 4-9 |
| Automatic engine shut down with enhanced keypad (where fitted) | 4-10 |

MOVING THE UNIT

| | |
|-------------------------------------|------|
| Operating in cold temperatures..... | 4-11 |
| Low idle speed management..... | 4-13 |
| Reversible engine fan | 4-14 |

5 TRANSPORT OPERATIONS

PREPARING FOR ROAD TRANSPORT

| | |
|---|-----|
| Carrying the tractor on a transporter | 5-1 |
| Secure the high visibility roof panel | 5-1 |

RECOVERY TRANSPORT

| | |
|------------------------------|-----|
| Freeing a stuck tractor..... | 5-2 |
| Towing the tractor..... | 5-3 |

6 WORKING OPERATIONS

GENERAL INFORMATION

| | |
|--|------|
| Variable engine power management | 6-1 |
| Constant engine speed | 6-3 |
| Differential lock | 6-6 |
| Four wheel drive | 6-8 |
| Front axle suspension (where fitted) | 6-10 |
| Automated headland functions | 6-12 |
| Headland turn sequence - Quick guide | 6-12 |
| Recording and replaying | 6-14 |
| Explanation of symbols | 6-17 |
| Recording a sequence | 6-19 |
| Replaying a sequence | 6-21 |
| Headland function and color display screen | 6-25 |
| Deleting a sequence with color display | 6-28 |
| Automated headland functions | 6-29 |
| Headland turn sequence | 6-29 |
| Universal Symbols | 6-30 |
| Recording a sequence | 6-31 |
| Replaying a sequence | 6-35 |
| Saving a sequence | 6-38 |
| Edit a sequence | 6-41 |
| Recalling a sequence | 6-45 |
| Deleting a sequence | 6-49 |

TRANSMISSION

| | |
|--|------|
| Full powershift transmission | 6-52 |
| Foot throttle pedal | 6-52 |
| Transmission operation | 6-53 |
| Powershift transmission controls | 6-54 |
| Transmission shuttle shift lever | 6-55 |
| Setting the sharp shuttle function | 6-57 |
| Transmission display | 6-58 |
| Driving the tractor | 6-59 |
| Speed matching | 6-61 |
| Auto shift function | 6-62 |
| Auto shifting field mode | 6-63 |
| Auto shifting in road mode | 6-66 |
| Setting the forward and reverse gear ratios | 6-69 |
| Creeper gears (where fitted) | 6-70 |
| Fault codes | 6-71 |
| Ground speed chart powershift transmission Ground speeds | 6-72 |

REAR POWER TAKE-OFF (PTO)

| | |
|--|------|
| Power Take-Off (PTO) operating precautions | 6-77 |
| Attaching PTO driven equipment | 6-78 |
| PTO operation | 6-79 |
| PTO 2 speed system | 6-83 |
| External PTO controls | 6-85 |

| | |
|--------------------------|------|
| Auto PTO operation | 6-87 |
|--------------------------|------|

FRONT POWER TAKE OFF

| | |
|--------------------------|------|
| PTO operation | 6-90 |
| Auto PTO operation | 6-92 |

REAR HITCH

| | |
|--|-------|
| Electronic Draft Control (EDC) | 6-94 |
| Settings and adjustments | 6-98 |
| Electronic Draft Control (EDC) operation | 6-100 |
| External hitch controls | 6-105 |

FRONT HITCH

| | |
|---|-------|
| Settings and adjustments | 6-107 |
| Front hitch operation | 6-110 |
| Auxiliary front couplers (where fitted) | 6-116 |
| External hitch controls | 6-118 |

ELECTRO-HYDRAULIC REMOTE CONTROL VALVES (where fitted)

| | |
|---|-------|
| Remote control valves | 6-119 |
| Settings and adjustments | 6-126 |
| Valve priority | 6-131 |
| Programming tractor functions | 6-132 |
| Connecting remote cylinders | 6-139 |
| Operating with remote valves | 6-141 |
| Joystick operation with a front loader | 6-143 |
| Mid mount remote valves | 6-150 |
| External EHR controls | 6-151 |
| EHR implement control setting | 6-152 |
| Transmission rear axle and hydraulic system oil level | 6-156 |

HYDRAULIC POWER BEYOND PORT

| | |
|---|-------|
| Power beyond circuit | 6-158 |
| Power beyond valve - Static description | 6-158 |
| ISO Power beyond couplings | 6-160 |

THREE POINT HITCH

| | |
|---|-------|
| Attaching three-point hitch equipment | 6-161 |
| Lift rod adjustment | 6-163 |
| Top link adjustment | 6-166 |
| Lower links | 6-168 |
| Quick hitch | 6-169 |
| Lower links | 6-171 |

DRAWBARS AND TOWING ATTACHMENTS

| | |
|---------------------------------------|-------|
| Drawbars and towing attachments | 6-175 |
|---------------------------------------|-------|

| | |
|------------------------|-------|
| Swinging drawbar | 6-177 |
|------------------------|-------|

TRAILER BRAKING SYSTEMS

| | |
|-----------------------------------|-------|
| Air-operated trailer brakes | 6-180 |
| Trailer brake bias control | 6-183 |
| Trailer brakes air operated | 6-183 |
| Hydraulic trailer brakes | 6-184 |

WHEEL TRACK ADJUSTMENT

| | |
|---------------------------------------|-------|
| Front wheel track adjustment | 6-185 |
| Front wheel alignment | 6-190 |
| Steering stops | 6-191 |
| Front axle oscillation stops | 6-192 |
| Front wheel fenders | 6-193 |
| Rear wheel track adjustment | 6-195 |
| Flange type axle (where fitted) | 6-195 |
| Bar type axle (where fitted) | 6-199 |
| Dual rear wheels (where fitted) | 6-206 |

BALLASTING AND TIRES

| | |
|--|-------|
| Ballasting and tires | 6-209 |
| Iron weights (where fitted) | 6-212 |
| Liquid ballast | 6-215 |
| Tire inflation | 6-217 |
| Tire pressures and permissible loads | 6-218 |

AUXILIARY POWER CONNECTIONS

| | |
|-----------------------------------|-------|
| Diagnostic socket | 6-220 |
| Trailer electrical socket | 6-221 |
| Electrical power connectors | 6-222 |
| Internal power connectors | 6-222 |
| External power connectors | 6-224 |
| ISO bus classes | 6-226 |
| ISO bus functionality | 6-228 |

7 MAINTENANCE

GENERAL INFORMATION

| | |
|--|------|
| Introduction | 7-1 |
| Fuel requirement - Diesel fuel | 7-2 |
| Fuel - Storage, handling and transport | 7-2 |
| Biodiesel fuel - Biodiesel fuels | 7-3 |
| Engine oil change | 7-5 |
| Protective devices | 7-6 |
| Tractor jacking points | 7-8 |
| Lubricants and coolants | 7-9 |
| General specifications | 7-10 |
| Capacities | 7-11 |

| | |
|--|------|
| Organic Acid Technology (OAT) coolant..... | 7-12 |
|--|------|

MAINTENANCE CHART

| | |
|------------------------|------|
| Maintenance chart..... | 7-13 |
|------------------------|------|

WHEN THE WARNING LAMP LIGHTS

| | |
|-----------------------------------|------|
| Engine air cleaner | 7-15 |
| Fuel system water separator | 7-16 |
| Check the brake fluid level | 7-17 |

EVERY 10 HOURS OR EACH DAY

| | |
|-------------------------------------|------|
| Coolant level check..... | 7-18 |
| Engine oil level | 7-19 |
| Remote valve collection bottle..... | 7-19 |
| Windscreen wash wipe | 7-20 |
| Air reservoir..... | 7-20 |

FIRST 50 HOURS

| | |
|-------------------------|------|
| Service operations..... | 7-21 |
|-------------------------|------|

EVERY 50 HOURS

| | |
|---|------|
| Cab air filters | 7-23 |
| Selective Catalytic Reduction (SCR) system..... | 7-25 |
| Clean the coolers..... | 7-26 |
| Grease fittings | 7-27 |
| Check the front and the rear wheel nuts | 7-33 |
| Tire inflation pressures | 7-33 |

EVERY 100 HOURS

| | |
|--------------------------|------|
| Drive belts - check..... | 7-34 |
| Drive belts - check..... | 7-35 |

EVERY 300 HOURS

| | |
|---|------|
| Battery fluid level | 7-36 |
| Transmission oil level..... | 7-38 |
| Handbrake..... | 7-39 |
| Front PTO oil level..... | 7-39 |
| Front axle oil - Four-Wheel Drive (4WD) | 7-40 |

EVERY 600 HOURS

| | |
|---|------|
| Change engine oil and filter | 7-41 |
| Change the first stage fuel filter and the fuel filter element..... | 7-43 |
| Engine air precleaner..... | 7-45 |
| Charge pump hydraulic filter | 7-46 |
| Check the air intake system | 7-47 |
| Transmission | 7-48 |
| DEF/AdBlue® in-line filter | 7-48 |

EVERY 1200 HOURS OR ANNUALLY

| | |
|--|------|
| Cab air filters | 7-49 |
| Change the hydraulic suction pump oil filter | 7-50 |
| Differential and planetary oil | 7-51 |
| Front hubs - 4WD | 7-52 |
| Front PTO change oil | 7-52 |
| Grease the rear axle shaft bearing | 7-53 |

EVERY 1200 HOURS OR EVERY 2 YEARS

| | |
|---|------|
| DEF/AdBlue® filter | 7-54 |
| Change the engine air cleaner inner element | 7-55 |
| Engine tappet valve clearance | 7-56 |
| Air-operated trailer brakes | 7-56 |
| Poly (V) belts change | 7-57 |
| Change transmission oil | 7-59 |

EVERY 2 YEARS

| | |
|--|------|
| Change the air conditioning receiver drier | 7-60 |
|--|------|

EVERY 1800 HOURS OR EVERY 2 YEARS

| | |
|--|------|
| Engine - breather filter replacement | 7-61 |
|--|------|

EVERY 3600 HOURS OR EVERY 2 YEARS

| | |
|--------------------------|------|
| DEF/AdBlue® filter | 7-61 |
|--------------------------|------|

EVERY 3600 HOURS OR EVERY 4 YEARS

| | |
|---------------------------------------|------|
| Change the engine coolant fluid | 7-62 |
|---------------------------------------|------|

GENERAL MAINTENANCE

| | |
|--|------|
| Cleaning the tractor | 7-66 |
| Fuel system water separator | 7-68 |
| Bleeding the fuel system | 7-68 |
| Hydraulic system hoses | 7-69 |
| Brake Pedal | 7-69 |
| Cab suspension, if equipped | 7-70 |
| Headlight adjustment | 7-71 |
| Work light adjustment | 7-71 |
| Bulb replacement | 7-72 |
| Fuses and relays | 7-75 |
| Protecting the electronic and electrical systems during battery charging or welding .. | 7-83 |
| Battery - replacement | 7-84 |

STORAGE

| | |
|---|------|
| Tractor storage | 7-85 |
| Removing the machine from storage | 7-85 |

8 TROUBLESHOOTING

FAULT CODE RESOLUTION

| | |
|--------------------|-----|
| Introduction | 8-1 |
|--------------------|-----|

ALARM(S)

| | |
|-------------------------------|-----|
| Fault codes and symbols | 8-2 |
|-------------------------------|-----|

SYMPTOM(S)

| | |
|-------------------------|-----|
| Engine | 8-4 |
| Transmission | 8-5 |
| Hydraulics | 8-6 |
| Three-point hitch | 8-6 |
| Brakes | 8-7 |
| Cab | 8-7 |
| Electrical system | 8-8 |

9 SPECIFICATIONS

| | |
|---|------|
| General dimensions | 9-1 |
| Frame - General specification | 9-1 |
| Capacities | 9-4 |
| Transmission - Capacity | 9-4 |
| Front axle system - Capacity | 9-4 |
| Engine | 9-5 |
| Transmission | 9-6 |
| Rear Power Take-Off (PTO) | 9-7 |
| Front Power Take-Off (PTO) | 9-8 |
| Hydraulic system | 9-9 |
| Three-point hitch | 9-11 |
| Remote control valves | 9-11 |
| Three-point hitch | 9-11 |
| Brakes | 9-12 |
| Steering | 9-12 |
| Electrical equipment | 9-13 |
| Minimum hardware tightening torques | 9-14 |

10 ACCESSORIES

| | |
|--|------|
| Radio (where fitted) | 10-1 |
| External rear view mirrors | 10-1 |
| Auxiliary head lights and signature lights | 10-3 |
| Rotating beacon | 10-3 |
| Front-end loader fixation points | 10-4 |

11 FORMS AND DECLARATIONS

| | |
|---|------|
| Service record 1st 50 hour, Owner copy | 11-1 |
| Service record 1st 50 hour, Dealer copy | 11-3 |

1 - GENERAL INFORMATION

Metric and imperial units abbreviations

| Typical applications | Metric unit | | Imperial unit | |
|-------------------------------------|------------------------|-----------------|-----------------------|--------------------|
| | Name | Symbol | Name | Symbol |
| Area (Land area) | | | | |
| | hectare | ha | acre | ac |
| | square meter | m ² | square foot | ft ² |
| | | | square inch | in ² |
| | square millimeter | mm ² | square inch | in ² |
| Electricity | | | | |
| | ampere | A | ampere | A |
| | volt | V | volt | V |
| | microfarad | μF | microfarad | μF |
| | ohm | Ω | ohm | Ω |
| Force | | | | |
| | kilonewton | kN | pound | lb |
| | newton | N | pound | lb |
| Force per length | | | | |
| | newton per meter | N/m | pound per foot | lb/ft |
| | | | pound per inch | lb/in |
| Frequency | | | | |
| | megahertz | MHz | megahertz | MHz |
| | kilohertz | kHz | kilohertz | kHz |
| | hertz | Hz | hertz | Hz |
| Frequency - Rotational | | | | |
| | revolution per minute | r/min | revolution per minute | r/min ^a |
| | | rpm | | rpm |
| Length | | | | |
| | kilometer | km | mile | mi |
| | meter | m | foot | ft |
| | centimeter | cm | inch | in |
| | millimeter | mm | inch | in |
| | micrometer | μm | | |
| Mass | | | | |
| | kilogram | kg | pound | lb |
| | gram | g | ounce | oz |
| | milligram | mg | | |
| Mass per mass | | | | |
| | milligram per kilogram | mg/ kg | parts per million | ppm |
| Power | | | | |
| | kilowatt | kW | horsepower | Hp |
| | watt | W | Btu per hour | Btu/hr |
| | | | Btu per minute | Btu/min |
| Pressure or stress (Force per area) | | | | |
| | kilopascal | kPa | pound per square inch | psi |
| | | | inch of mercury | inHg |
| | pascal | Pa | inch of water | inH ₂ O |
| | megapascal | MPa | pound per square inch | psi |
| | millibar | mbar | | |
| | bar | bar | | |

1 - GENERAL INFORMATION

| Typical applications | Metric unit | | Imperial unit | |
|---|------------------------|---------------------|-----------------------|----------------------|
| | Name | Symbol | Name | Symbol |
| Temperature (other than thermodynamic) | | | | |
| | degrees Celsius | °C | degrees Fahrenheit | °F |
| Time | | | | |
| | hour | h | hour | h |
| | minute | min | minute | min |
| | second | s | second | s |
| Torque (includes bending moment, moment of force, and moment of a couple) | | | | |
| | newton meter | N m | pound foot | lb ft |
| | | | pound foot | lb in |
| Velocity | | | | |
| | kilometer per hour | km/h | mile per hour | mph |
| | meter per second | m/s | foot per second | ft/s |
| | millimeter per second | mm/s | inch per second | in/s |
| | meter per minute | m/min | foot per minute | ft/min |
| Volume (includes capacity) | | | | |
| | cubic meter | m ³ | cubic yard | yd ³ |
| | | | | cu yd |
| | liter | l | cubic inch | in ³ |
| | liter | l | US gallon | US gal |
| | | | UK gallon | UK gal |
| | | | US quart | US qt |
| | | | UK quart | UK qt |
| | milliliter | ml | fluid ounce | fl oz |
| Volume per time (includes discharge and flow rate) | | | | |
| | cubic meter per minute | m ³ /min | cubic foot per minute | ft ³ /min |
| | liter per minute | l/min | US gallon per minute | US gal/min |
| | milliliter per minute | ml/min | UK gallon per minute | UK gal/min |
| Sound power level and sound pressure level | | | | |
| | decibel | dB | decibel | dB |
| Water hardness | | | | |
| | German hardness | °dH | English hardness | °e |
| | French hardness | °fH | parts per million | ppm |

Glossary

| Acronym | Definition |
|---------|--|
| DEF | Diesel Exhaust Fluid |
| ISO | International Organization for Standardization |
| MSDS | Material Safety Data Sheet |
| NOx | Nitrogen Oxide |
| PPE | Personal Protective Equipment |
| SCR | Selective Catalytic Reduction |
| ULSD | Ultra Low Sulfur Diesel |
| % | Percent |
| < | Less than |
| > | Greater than |

To the owner

GENERAL INFORMATION

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 authorised dealer. He has factory trained personnel, genuine manufacturers' parts and the necessary equipment to carry out all your service requirements.

The specification are provided for your information and guidance. For further information concerning your tractor and equipment, consult your authorised dealer.

All data given in this manual is subject to production variations. Dimensions and weight are approximate only. The illustrations do not necessarily show tractors in standard condition or imply that these features are available in all countries. For exact information about any particular tractor, please consult your authorised dealer.

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 on page 7-13 of this Manual, are carried out at the recommended intervals.

ABOUT THIS MANUAL

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

Read and understand; keep it in good condition and always safely store it in the provided pocket in the back of your seat for later easy retrieval.

This manual does not contain all the information related to periodical service, converting and repairs to be carried out by professional service personnel.

The Table of Contents page(s) are provided to have an overview of main manual's topics. A detailed alphabetic index is available at the end of this manual for locating specific items.

Normal operation

- 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 op-

eration and safe practices, as specified by the manufacturer in this manual and by the decals 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

- 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 decals on the tractor, in order to maintain its proper function. Routine service includes activities such as fueling, cleaning, washing, topping up fluid levels, greasing, replacing of consumable articles such as lamp bulbs.

Converting, periodical service and repair

- 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.

CLEANING THE TRACTOR

Your tractor is a state-of-the-art machine with sophisticated, electronic controls. This should be taken into consideration when cleaning the tractor, particularly if using a high pressure washer. Even though every precaution has been taken to safeguard electronic components and connections, the pressure generated by some of these machines is such that complete protection against water ingress cannot 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.

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

SAFETY

The pages in Section 2 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 11, at the back of this Manual, you will find the 50- hour service reports.

NOTICE: *It is important the 50 hour service is carried out as recommended to ensure your tractor provides optimum performance and efficiency.*

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 **11-1** and **11-3**). The first sheet (page **11-1**) is your copy of the service performed. The second sheet (page **11-3**) is the dealer's copy and should be removed by the dealer after the service has been carried out. 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 it's 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.

USE OF BIODIESEL FUELS

NOTICE: *Before using Biodiesel fuels in your tractor, refer to the information on page 7-3 regarding the storage and use of Bio diesel fuels.*

EMISSION CONTROLS

NOTE: *The engine and fuel system on your machine is 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!*

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