

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

OPERATOR'S MANUAL

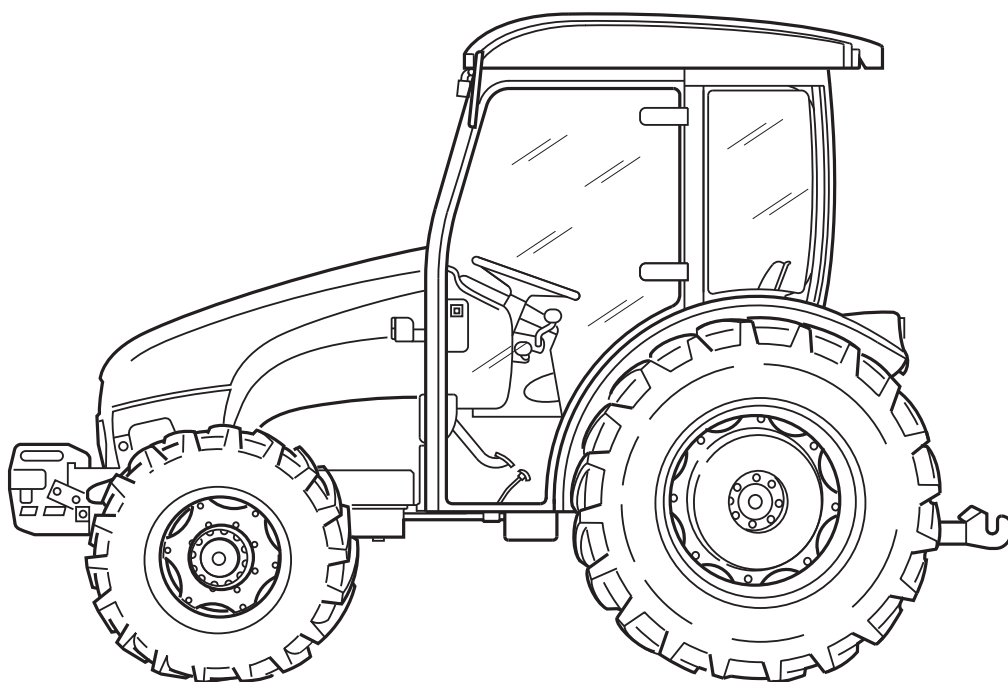
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Tractors



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SECTIONS SUMMARY

1 - Introduction and safety measures

2 - Controls and instruments

3 - Field operation


4 - Lubrication and Maintenance

5 - Troubleshooting

6 - Specifications and data

7 - Alphabetical index

CE DECLARATION OF CONFORMITY DOCUMENT



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Here above is provided copy of the "CE" Declaration of Conformity (EC Declaration of Conformity according to 2006/42/EC).

The EC Declaration of Conformity is the manufacturer's declaration about equipment compliance to relevant EU provisions.

Please keep the original document in a safe place. Local authorities may require you to show this document in order to assure compliance of your equipment.

Translation of this declaration in your own country language is provided on the original document.

HEALTH AND SAFETY RELATED STANDARDS APPLIED TO YOUR TRACTOR

- FOPS level on your tractor cab is not certified according to **OECD Code 10**.
- The cab is certified **Category 1** according to **EN 15695-1**.
- NOISE EMISSION LEVELS are rated according to **77/311/EEC**.
- VIBRATION LEVELS are rated according to **78/764/EEC**.
- ROPS PROTECTION is certified according to **EN 15694**.

NOTE: See safety section 1 in this manual for further explanation and details on above mentioned standards and specific terminology.

METRIC AND IMPERIAL UNITS ABBREVIATIONS

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNITS	
	NAME	SYMBOL	NAME	SYMBOL
AREA				
Land area	hectare	ha	acre	
	square meter	m ²	square foot	ft ²
	square millimetre	mm ²	square inch	in ²
	square millimetre	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 metre	N/m	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				
	kilometre	km	mile	mi
	meter	m	foot	ft
	centimetre	cm	inch	in.
	millimetre	mm	inch	in.
	micrometer	μm		
MASS				
	kilogram	kg	pound	lb
	gram	g	ounce	oz
	milligram	mg		

INTRODUCTION AND SAFETY MEASURES - SECTION 1

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNITS	
	NAME	SYMBOL	NAME	SYMBOL
POWER				
	kilowatt	kW	horsepower	Hp
	watt	W	Btu per hour Btu per minute	Btu/hr Btu/min
PRESSURE or STRESS (FORCE PER AREA)				
	kilopascal	kPa	pound per square inch inch of mercury	psi inHg
	pascal	Pa	inch of water	inH ₂ O
	megapascal	Mpa	pound per square inch	psi
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 per metre	N m N m	pound foot pound inch	lb ft lb in
VELOCITY				
	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
VOLUME (includes CAPACITY)				
	cubic meter	m ³	cubic yard	yd ³ cu yd
	litre	l	cubic inch	in ³
	litre	l	US gallon UK gallon US quart UK quart	US gal UK gal US qt UK qt
	millilitre	ml	fluid ounce	fl oz

INTRODUCTION AND SAFETY MEASURES - SECTION 1

TYPICAL APPLICATIONS	RECOMMENDED SI (METRIC) UNITS		IMPERIAL UNITS	
	NAME	SYMBOL	NAME	SYMBOL
VOLUME PER TIME (includes DISCHARGE and FLOW RATE)				
	cubic meter per minute	m ³ /min	cubic foot per minute	ft ³ /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
SOUND POWER LEVEL and SOUND PRESSURE LEVEL				
	decibel	dB	decibel	dB

SECTION 1

GENERAL INFORMATION AND SAFETY MEASURES

CLEANING THE TRACTOR

Your tractor is an advanced machine, fitted with an electro-hydraulic control system. Care must be taken when cleaning the tractor, especially if a pressurised water cleaner is used.

- Never stand too close to the tractor or direct the water jet on electrical components, seals or intake openings, etc.
- Never direct jets of cold water at the hot engine or exhaust. See also Section 4 (Recommendations for bodywork maintenance).

SERVICE PARTS

"Non-original" spare parts have not been tested or authorised by the Manufacturer. Installment and/or use of such products may adversely affect the tractor's design specifications, thereby compromising operational safety. The manufacturer cannot be held responsible for any damage resulting from the use of "non-original" spare parts. No modifications may be made to the tractor without written authorisation from the Manufacturer

WARRANTY

The tractor is guaranteed in accordance with current legislation in your country and in line with contractual agreements reached with the dealer at the time of sale. However, the warranty is no longer valid if the rules and instructions for the use and maintenance of the tractor, described in this Manual, are not observed.



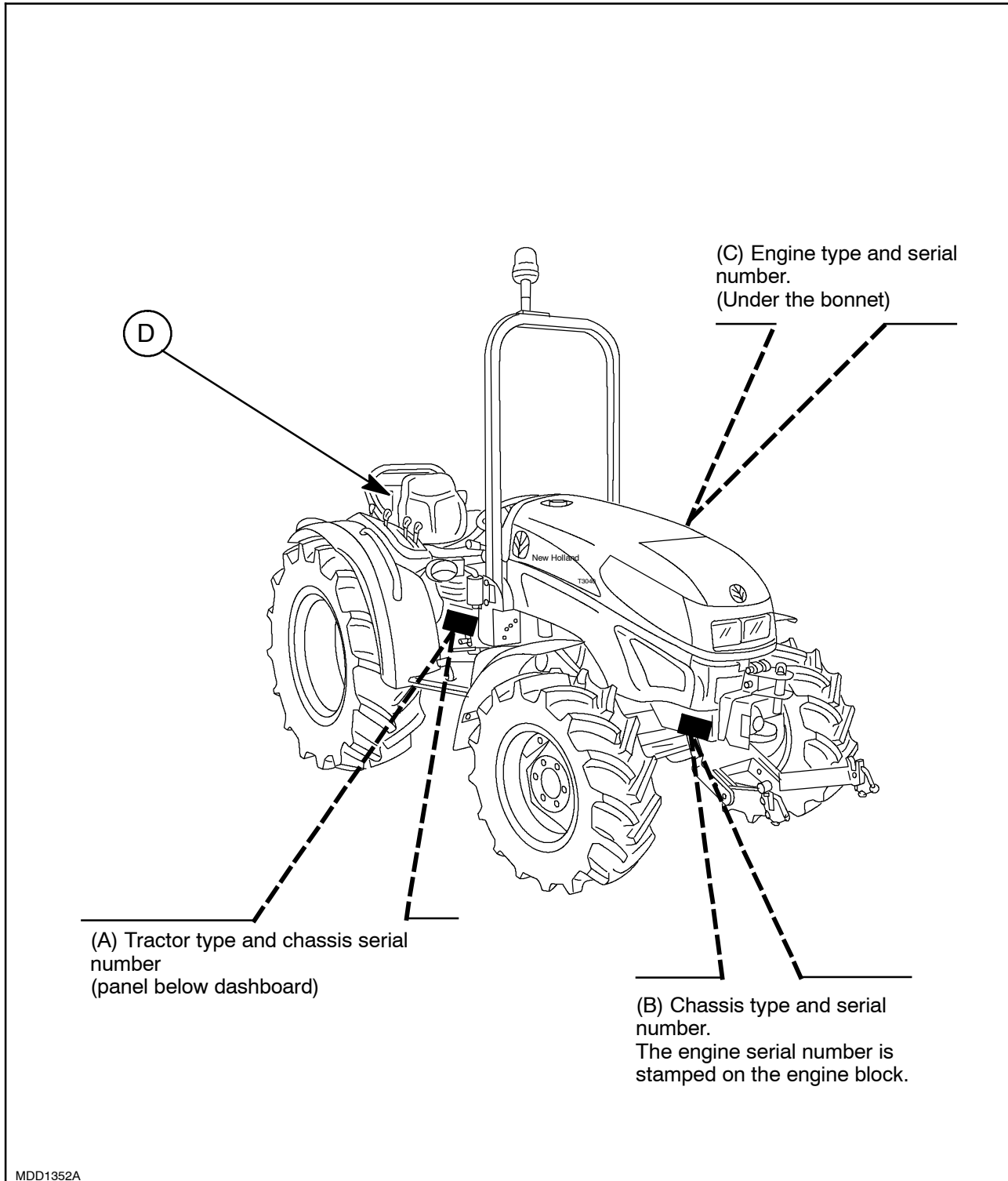
WARNING



The engine and the fuel system of the machine are designed and made in compliance with government standards on limiting polluting emissions. Tampering by dealers, customers, operators and users is strictly forbidden by law. Failure to comply with the above could entail government fines, re-working charges, invalidation of warranty, legal action and possibly confiscation of the machine until work is completed to bring it back into its original state. Any servicing and/or repairs on the engine must be carried out solely by certified technicians

TRACTOR IDENTIFICATION PLATES

Serial numbers identify the tractor and its main components. The identification data must be supplied by the dealer for requests for spare parts or service operations. Identification data is of fundamental importance in the event of theft of the tractor. The location of the various identification data is shown below.



MDD1352A

**MACHINE IDENTIFICATION DATA
PLATE (A)**

The manufacturer's data plate gives the following data:

- Manufacturer.
 - Vehicle type.
 - Road type-approval number.
 - Chassis frame number.
 - Year of manufacture.
 - Weights.
 - Engine power in kW.
 - CE Marking
- other data are given on the type-approval certificate.

MACHINE IDENTIFICATION DATA (B)

The chassis frame number, as well as on the data plate, are also punched on the front of the ballast frame on the right-hand side.

ENGINE IDENTIFICATION DATA (C)

The engine has its own serial number stamped on the engine identification plate.

**POCKET CONTAINING THE OPERATOR'S
MANUAL (D)**

Keep this manual carefully on the tractor in the specific pocket, as shown in fig. 1.

IMPORTANT: *Keep this operator's manual carefully on the tractor. Before driving or operating your machine you must read this manual carefully, especially the section dealing with safety rules. Always keep it to hand, in the specific compartment, for future reference.*

IMPORTANT ECOLOGICAL CONSIDERATIONS

Soil, air and water are essential elements for agriculture and for life on in general. If local legislation does not control the treatment of certain substances, the production of which is necessitated by advanced technologies, products derived from chemical and petrochemical products must be used and disposed of according to the rules of common sense.

The following recommendations may be of help:

- Find out what the relevant legislation in your country stipulates.
- Ask your suppliers of lubricants, oils, fuels, anti-freeze, detergents, etc. for information on the effects of these products on humans and the environment and for instructions concerning their use, storage and disposal. In many cases, local agricultural consultants will be able to provide assistance.

SUGGESTIONS

1. Avoid using unsuitable, pressurised filling systems or fuel cans when filling tanks, as these may cause considerable spillage and leakage of liquids.
2. As a general rule, do not allow liquid fuels, lubricants, acids, solvents, etc., to come into contact with the skin. The majority of these products contain substances that are potential health hazards.
3. Modern lubricants contain additives. Do not burn contaminated fuel oils and/or oils used in conventional heating systems.
4. Avoid spillage when transferring used engine cooling liquids, engine and transmission lubricants, hydraulic oils, brake fluids, etc. Never mix used brake oil with fuel oil, or fuel oil with lubricants. Store safely until suitable disposal can be arranged according to national legislation or local regulations.
5. Modern anti-freeze liquids and solutions, e.g.: anti-freeze and other additives, must be replaced every two years. They must not be left to be absorbed into the ground, but must be collected and disposed of in a suitable manner.
6. Do not open the air conditioning systems to carry out work. These systems contain gas which must not be released into the atmosphere. Contact your dealer or specialised personnel, who are equipped with the appropriate equipment and are authorised to refill the system.
7. Any leakage or defect in the engine cooling or hydraulic systems must be repaired immediately.
8. Do not increase the pressure in pressurised systems, as this may cause component parts to burst.
9. When welding, make sure that hoses are properly protected as sparks or molten material may puncture or weaken the tubes and sleeves, resulting in leakage of oil, cooling liquid, etc.
10. Do not adjust the setting of the fuel delivery system as this will alter the emission of exhaust fumes.

NOTE: *The engines installed on the tractors comply with anti-pollution legislation.*

ALWAYS WORK SAFELY



This warning symbol points out important messages concerning your safety.

Read the following safety regulations carefully and follow the recommendations in order to avoid potential hazards and safeguard your health and safety.

In this manual the symbol is accompanied by the following keywords:



Indicates an immediate hazardous situation, that, if not avoided, will result in death or serious injury.



Indicates a potential hazardous situation that, if not avoided, could result in serious injury.



Indicates a potentially hazardous situation that, if not avoided, may result in minor injury or damage to the machine. It may also be used to alert against unsafe practices.

Failure to observe the instructions preceded by the aforementioned key words may result in severe or fatal injury to the persons involved.

Furthermore, this manual also contains instructions preceded by the terms **NOTE** and **IMPORTANT**, with the following relevance in relation to machine protection:

IMPORTANT: This is used to highlight important information for machine usage or specific procedures to prevent minor machine damages.

NOTE: This is used to identify and present supplementary information.

IMPORTANT WARNINGS

The machine is designed and produced exclusively for agricultural use.

All other use will be considered to be contrary to the use specified by NEW HOLLAND, who cannot be held liable for damage to property or the machine, or for personal injuries which may result.

Persons who risk improper use will therefore assume the responsibility for any consequences arising from such use.

Compliance with the instructions for use, maintenance and repairs described in this manual, are the essential preconditions for the use specified by NEW HOLLAND .

The machine must only be used, serviced or repaired by personnel trained in the relevant working methods and safety regulations and who have been authorised to work on the machine.

The user must also observe the rules concerning general safety and accident prevention, including the Highway Code when driving on public highways.

Any arbitrary modifications made to this machine will release NEW HOLLAND from any liability resulting from damage or injury.

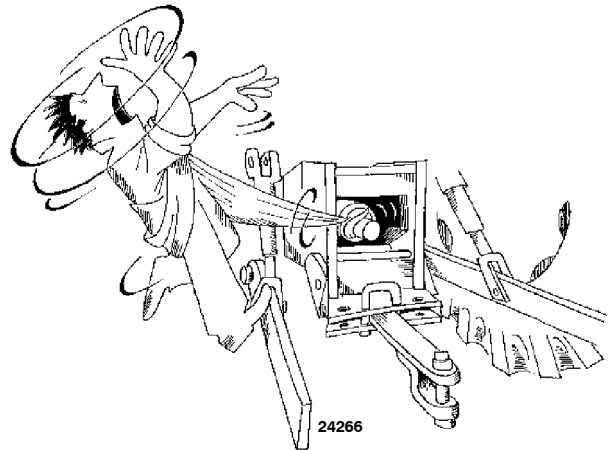
NEW HOLLAND and all its distribution organisations, inclusive of, but not restricted to, national, regional or local distributors, cannot be held liable for damage resulting from the malfunction of parts and/or components not approved by NEW HOLLAND

Under no circumstances will a guarantee be issued for products made or sold by NEW HOLLAND that are damaged as a result of the malfunction of parts and/or components not approved by NEW HOLLAND.

FOR WORKING SAFELY

GENERAL INSTRUCTIONS

1. During the manufacturing of this tractor, every step has been taken to ensure safe operation. However, the best way to avoid accidents is to exercise caution at all times. Once the accident has already happened it is too late to remember what steps should have been taken.
2. Read this Manual carefully before starting, using, carrying out maintenance, refuelling or performing any other type of operation on the tractor.
3. The time spent reading this Manual will allow you to get to know your tractor, thereby saving time and effort. This will also help prevent accidents from taking place.
4. Read all the safety decals on the machine and follow the instructions thereon before starting, operating, refuelling or carrying out maintenance on the machine. Promptly replace any decals that are damaged, lost or illegible. Clean the decals if they are covered by mud or debris.
5. Remember that the tractor is exclusively designed for agricultural use. Any other use will require prior authorisation from NEW HOLLAND.
6. It is advisable to keep a first aid kit on hand.
7. The tractor must only be used by responsible personnel, trained in tractor use and authorised to operate the machine.
8. Do not alter the injection system calibration in an attempt to increase maximum engine speed.
9. Do not wear loose clothing that may be trapped in moving parts. Wear the protective clothing required for the job in hand.
10. Do not alter the calibration of the pressure relief valves in the various hydraulic circuits (hydrostatic steering, hydraulic lift, auxiliary control valves, etc.).



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