

# ORIGINAL INSTRUCTIONS

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

**PUMA 170**

**PUMA 185**

**PUMA 200**

**PUMA 215**

Tractors

## OPERATOR'S MANUAL



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## **SECTION SUMMARY**

- 1 - GENERAL INFORMATION AND SAFETY**
- 2 - CONTROLS, INSTRUMENTS AND OPERATION**
- 3 - FIELD OPERATION**
- 4 - LUBRICATION AND MAINTENANCE**
- 5 - FAULT FINDING**
- 6 - ACCESSORIES**
- 7 - SPECIFICATIONS**
- 8 - FIRST 50 HOUR SERVICE FORMS**
- 9 - INDEX**

# CONTENTS

Title	Page
CE Declaration of Conformity Document .....	4
Metric and Imperial Units Abbreviations .....	6
 <b>Section 1 - General Information and Safety</b>	
To the Owner .....	1-1
Product Identification .....	1-3
Ecology and the Environment .....	1-6
Safety Precautions .....	1-8
Safety Decals .....	1-16
International Symbols .....	1-24
Airborne Noise Emission .....	1-25
Tractor Vibration Level Information Sheet .....	1-26
Machine Stability .....	1-27
Protection offered by the tractor .....	1-31
Intended use of your tractor .....	1-34
Instructors seat .....	1-36
Selective Catalytic Reduction (SCR) .....	1-38
 <b>Section 2 - Controls, Instruments and Operation</b>	
Cab .....	2-4
Electrical Power Sockets .....	2-20
Seats .....	2-23
Instrument Console .....	2-29
Analogue/Digital Instruments .....	2-33
Brake Controls and Operation .....	2-79
Full Powershift Transmission .....	2-85
Differential Lock and Four Wheel Drive .....	2-105
Four Wheel Drive .....	2-107
Front Axle Suspension .....	2-110
 <b>Section 3 - Field Operation</b>	
Important Information .....	3-1
Boosting the Tractor Battery .....	3-7
Starting the Engine .....	3-8
Stopping the Engine .....	3-11
Reversible Engine Fan .....	3-13
Power Management .....	3-13
Constant Engine Speed .....	3-15
Headland Management Control .....	3-19
Turn Assist .....	3-35
Rear Power Take-Off .....	3-38
Front Power Take-Off and Hydraulic Lift .....	3-54
Electronic Hitch Control .....	3-80
Hydraulic Remote Control Valves .....	3-95

Electro-Hydraulic Remote Control Valves .....	3-103
Hydraulic Power Beyond Port .....	3-128
Three-point Hitch .....	3-132
Quick Hitch .....	3-137
Linkage Stabilisers .....	3-139
Drawbars and Towing Attachments .....	3-144
Trailer Braking Systems .....	3-156
Front Wheel Track Adjustment .....	3-163
Steerable Front Fenders .....	3-167
Rear Wheel Track Adjustment .....	3-170
Ballasting and Tyres .....	3-181

#### **Section 4 - Lubrication and Maintenance**

General Information .....	4-1
Guard Removal .....	4-9
Lubrication and Maintenance Chart .....	4-12
Servicing: When Warning Lights Illuminate .....	4-15
10-hour/daily service .....	4-17
50-hour service .....	4-19
100-hour service .....	4-31
300-hour service .....	4-32
600-hour service .....	4-37
1200-hour/12 month service .....	4-45
1200-hour/24 month service .....	4-52
Every 3 years .....	4-59
General Maintenance – as required .....	4-60
Storing the Tractor .....	4-82

#### **Section 5 - Fault Finding**

Introduction .....	5-1
Engine .....	5-4
Transmission .....	5-7
Hydraulics .....	5-8
3-point Hitch .....	5-9
Brakes .....	5-10
Cab .....	5-10
Electrical .....	5-11

#### **Section 6 - Accessories**

Colour Display Monitor .....	6-2
ISO-Bus Socket .....	6-2
Auto Guidance .....	6-3
Rotating Beacon .....	6-4
Auxiliary Headlights .....	6-4
Battery Isolator Switch .....	6-5

## **Section 7 - Specification**

General Dimensions .....	7-2
Vehicle Weights .....	7-6
Lubricant and Fluid Capacities .....	7-7
Engine .....	7-8
Fuel System .....	7-8
Cooling System .....	7-9
Transmission .....	7-9
Maximum Operating Angle .....	7-10
Rear Power Take-Off .....	7-10
Front Power Take-Off .....	7-11
Hydraulic System .....	7-11
Rear 3-Point Hitch .....	7-11
Remote control valves .....	7-16
Front 3-Point Hitch .....	7-16
Front Remote Valves .....	7-16
Brakes .....	7-17
Steering .....	7-17
Electrical Equipment .....	7-18
Hardware Torque Tables .....	7-19

<b>Section 8 - First 50-hour Service Forms</b> .....	8-1
--	-----

<b>Section 9 - Index</b> .....	9-1
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For your better and easier understanding of the document you'll find original text reproduced hereafter together with some notes

Clause of 2006/42/EC Annex II	<b>EN</b>  <b>EC Declaration of conformity According to Directive 2006/42/EC.</b>
1.A.1	We, [1]
1.A.2	Represented by Giuseppe Gavioli, CNH Europe Holding S.A. 13, Rue Aldringen L-1118 Luxembourg
1.A.3	declare under our sole responsibility, that the product:  Agricultural tractor Trade Name: [2] Model: [3] Type: [4] Serial Number: [5]
1.A.4	to which this declaration relates, fulfils all the relevant provisions of the Directive 2006/42/EC, amended by [6].
1.A.7	For the relevant implementation of the provisions of the Directive, the following (harmonised) standards have been applied: • ISO 26322-1 part 1 or 2  Other standards: see Operators Manual
1.A.9	Place and date of the declaration: [7]
1.A.10	Name and signature of the authorised person: [8]

#### **HEALTH AND SAFETY RELATED STANDARDS APPLIED TO YOUR TRACTOR**

- ROPS PROTECTION is certified according to **EN 15694**.
- FOPS level on your tractor cab is certified according to **OECD Code 10**.
- HVAC (Heating, ventilation Air Conditioning ) CAB is certified **Category 1** according to **EN 15695-1**.
- HV (Heating, ventilation) 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**.

**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 UNIT	
	NAME	SYMBOL	NAME	SYMBOL
<b>AREA</b>				
Land area	hectare	ha	acre	
	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 metre	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>				
	kilometre	km	mile	mi
	meter	m	foot	ft
	centimetre	cm	inch	in
	millimetre	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 Btu per minute	Btu/hr Btu/min
<b>PRESSURE or STRESS (FORCE PER AREA)</b>				
	kilopascal	kPa	pound per square inch inch of mercury	psi 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 Celsius	°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 N m	pound foot pound inch	lb ft 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> cu yd
	litre	l	cubic inch	in <sup>3</sup>
	litre	l	US gallon UK gallon US quart UK quart	US gal UK gal US qt 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

## GENERAL INFORMATION AND SAFETY

### 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 authorised 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.

#### OPERATORS MANUAL STORAGE

A storage pocket for the Operators Manual can be found on the rear of the seat. The manual should be kept in this pocket at all times when not in use.

#### SAFETY

Pages 1-8 to 1-37 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.

### 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.

### FIRST 50 HOUR SERVICE

In Section 8, at the back of this Manual, you will find the 50-hour service reports.

**IMPORTANT:** *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 8-1 and 8-3). The first sheet (page 8-1) is the dealer's copy and should be removed by the dealer after the service has been carried out. The second sheet (page 8-3) 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 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

**IMPORTANT:** Before using Biodiesel fuels in your tractor, refer to the information on page 4-4 regarding the storage and use of Biodiesel fuels.

### EMISSION CONTROLS

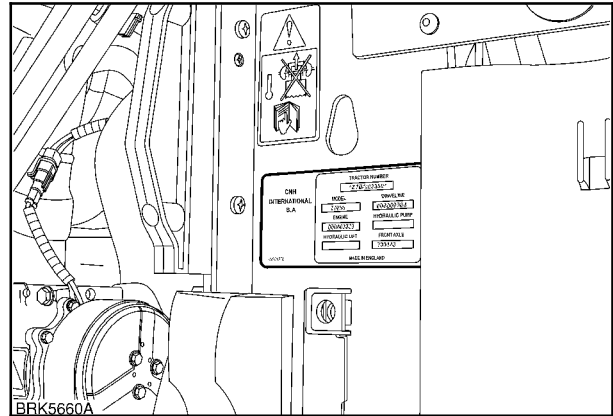
**IMPORTANT:** The engine and fuel system on your machine is designed and built to government emissions standards. Tampering by dealers, customers, operators and users is strictly prohibited by law. Failure to comply could result in government fines, rework charges, invalid warranty, legal action and 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!

## PRODUCT IDENTIFICATION

The tractor and major components are identified using serial numbers and/or manufacturing codes.

Tractor identification data must be supplied to the dealer when requesting parts or service and will also be needed to aid in identifying the tractor if it is ever stolen.

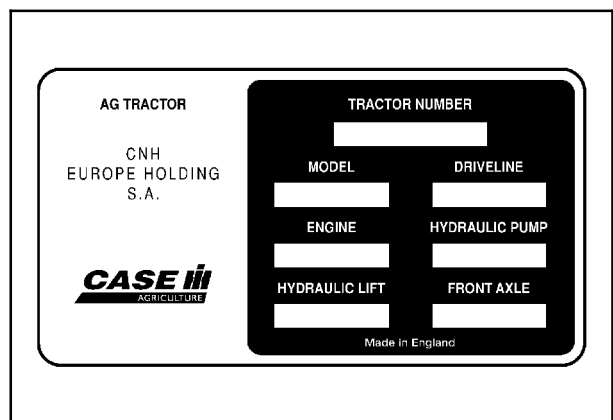
The following provides the locations of the identification data.



1

### Vehicle Identification Plate

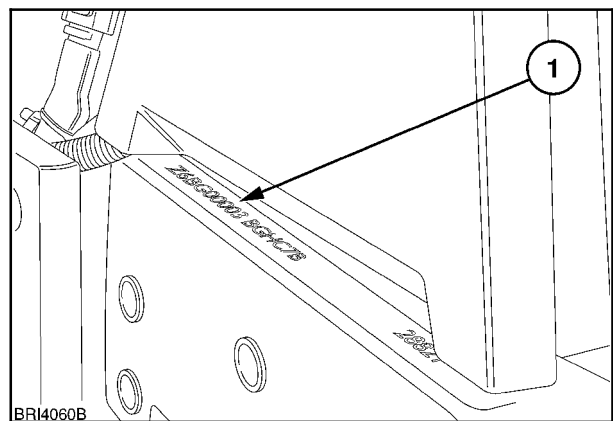
The vehicle identification plate, Figure 1, is located on the right-hand radiator support. Record the information on the sample identification plate.



2

### Tractor Identification

The serial number and model identification information is stamped on the front support (1). These numbers are also repeated on the vehicle identification plate reproduced above.



3

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

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perfect and complete manual in  
the world immediately.

Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)