CASE

CVX 1135, CVX 1145, CVX 1155
CVX 1170, CVX 1195

Tractors

Sva 6-37143

CASE

CVX 1135, CVX 1145, CVX 1155
CVX 1170, CVX 1195

Tractors

Sva 6-37143

THIS WARNING SYMBOL POINTS TO IMPORTANT SAFETY NOTES IN THIS MANUAL. WHEN THIS SYMBOL APPEARS, THE SUBSEQUENT NOTES ARE TO BE READ THROUGH CAREFULLY IN ORDER TO MAKE YOU AWARE OF POSSIBLE DANGER OF INJURY, EVEN RESULTING IN DEATH. M171B

The safety labels on this machine use the words **danger, warning or caution**. These terms are defined as follows:

- **DANGER:** This indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The colour associated with Danger is RED.
- **WARNING:** This indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The colour associated with Warning is ORANGE.
- **CAUTION:** This indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The colour associated with Caution is YELLOW.

WARNING

OPERATING THIS MACHINE INCORRECTLY CAN LEAD TO INJURY OR DEATH. MAKE SURE THAT EACH DRIVER HAS MET THE FOLLOWING REQUIREMENTS BEFORE USING THIS MACHINE:

- He must have been instructed in the safe, correct use of the machine.
- He must have read and understood the manual (manuals) referring to the machine.
- He must have read and understood ALL safety labels on the machine.
- He has turned away all persons from the working area.
- He must have studied and practised the safe usage of the machines control elements in a safe and open training field before using this machine in the working environment.

It is your responsibility to pay attention to the relevant laws and guidelines and the notes of CNH Österreich GmbH regarding working with and servicing this machine.

Sva 6-37143 EN
January 2006
© 2005 CNH Österreich GmbH
Case is a registered trademark of CNH Österreich GmbH.

TABLE OF CONTENTS

TO THE USER 1

AGGREGATE/SERIAL NUMBERS 6
PRODUCT IDENTIFICATION AND SERIAL NUMBER 6

SAFETY/SAFETY PLATES 8
SAFETY 8
CORRECT USAGE 8
GENERAL RULES FOR SAFETY AND FOR THE PREVENTION OF ACCIDENTS 9
CARRIAGE OF PASSENGERS 9
DRIVING 10
LEAVING THE TRACTOR 10
ATTACHMENTS 10
PTO SHAFT OPERATION 10
MAINTENANCE AND OTHER WORK 11
DANGEROUS CHEMICALS 11
BASIC RULES 11
SAFETY LABELS 12

INSTRUMENTS/OPERATING CONTROLS 14
CLIMBING ONTO THE TRACTOR 14
DRIVER’S SEAT 15
PROGRAMMING THE DISPLAYS 37
OPERATING CONTROLS 40

DRIVING 67
BEFORE STARTING THE ENGINE 67
BATTERY MASTER SWITCH (if fitted) 68
DRIVING SEAT SWITCH 69
STARTING PROCEDURE 70
OPERATING THE TRACTOR AT LOW TEMPERATURES (WINTER OPERATION) 72
DRIVE STRATEGIES 74
STOPPING AND PARKING THE TRACTOR 76
STANDSTILL CONTROL 77
PARKING INTERLOCK 77
HINTS FOR DRIVING 78
OPERATING THE TRANSMISSION 81
CAB VENTILATION / HEATING 92
HEIGHT-ADJUSTABLE TOWBARS (if fitted) 94
ADJUSTABLE TOWBAR 97

AUTO PICK UP HITCH WITH HOOK
hydraulically extendable (if fitted) 101
DIMENSIONS FOR TRAILER/
ATTACHMENT TOW-BAR EYES 105
CONNECTIONS FOR TRAILER BRAKE LINES (if fitted) 106
ADDITIONAL ELECTRICAL SOCKET 109
HAZARD WARNINGLAMPS 114
TOWING THE TRACTOR 115
TRANSPORTING THE TRACTOR 116

OPERATIONAL USE 117
OPERATING THE CASE FRONT PTO SHAFT (if fitted) 125
PREPARING THE REAR THREE-POINT LINKAGE 126
OPERATING THE ELECTRONIC 3-POINT HITCH CONTROL (EDC) 137
PREPARING THE CASE FRONT HITCH (if fitted) 146
WORKING WITH THE CASE FRONT HITCH 147
HEADLAND MANAGEMENT CONTROL 149
AUXILIARY VALVES 154
OPERATING THE AUXILIARY VALVES 158
DIFFERENTIAL LOCK 163
OPERATING THE 4-WHEEL DRIVE 165
OPERATING THE FRONT AXLE INDEPENDENT
SUSPENSION (if fitted) 166
FASTENING BRACKET FOR EXTERNAL LEVERS 167

TYRES/WHEELS/TRACK WIDTH/BALLAST 168
ADJUSTING THE FRONT AXLE AND THE FRONT AXLE
TRACK WIDTH 170
ADJUSTING THE FRONT AXLE TRACK 171
ADJUSTING THE REAR AXLE TRACK WIDTH 173
4 WHEEL DRIVE TYRE COMBINATIONS 177
FRONT WHEEL MUDGUARD –
4-WHEEL DRIVE TRACTOR (if fitted) 179
TRACTOR BALLAST 180

LUBRICATION / MAINTENANCE 183
ENVIRONMENT 183
PLASTIC AND FIBRE-GLASS RE-INFORCED PARTS 183
TOOL BOX 183
OPERATING HOURS COUNTER 184
ENGINE BONNET 185
LUBRICATION AND FILLING LEVELS 186
DAILY INSPECTIONS 194
ENGINE MAINTENANCE 199

ENGINE/TRANSMISSION UNIT MAINTENANCE 209
HYDRAULICS MAINTENANCE 211
STEERING MAINTENANCE 212
FRONT AXLE MAINTENANCE 213
BRAKE MAINTENANCE 216
TOWBAR MAINTENANCE 217
ELECTRICAL MAINTENANCE 218
FRONT PTO-SHAFT MAINTENANCE 219
FRONT HYDRAULIC MAINTENANCE 220
GENERAL MAINTENANCE 220

ELECTRICAL SYSTEM 223
BATTERY 223
REPLACING BULBS AND LAMPS 226
FUSES and RELAYS 234

TECHNICAL DATA 242
ENGINE 242
ELECTRICAL SYSTEM 244
GENERAL VEHICLE DATA 245
VEHICLEWEIGHTS 251
VEHICLE DIMINSIONS 252

REVERSING MODE 253
REVERSIBLE SEAT/REVERSING FACILITY 253

VIRTUAL TERMINAL MONITOR 257

INDEX 263

CASE CVX 1195 TRACTOR

SD03D016

Dealers stamp

CE

Manufacturer:

CNH Österreich GmbH
Steyrerstrasse 32
A-4300 St. Valentin
AUSTRIA

How to use this manual

Read this manual before operating your tractor. Call your retailer for further information.

This manual contains important information concerning working, setting up and maintaining your Case tractor safely. This manual is divided into individual chapters corresponding to the contents so that you can easily find information. Information concerning the tractor is divided into 4 chapters:

1. INSTRUMENTS AND CONTROLS – The layout of all controls is shown here.
2. WORK NOTES – General notes on daily work with the tractor e.g. starting up/turning off the tractor, operating the transmission etc.
3. OPERATIONAL USE – This chapter contains notes on various work uses, specifically for use with implements, e.g. three-point linkage, rear PTO etc.
4. TYRES/WHEELS/TRACK WIDTHS/BALLASTING – Settings for various tractor working scenarios are described here, e.g. tyre pressures, track widths etc.

Tractor maintenance is divided into two chapters:

1. LUBRICATION/MAINTENANCE – Regular maintenance intervals.
2. ELECTRICAL LAYOUT – General maintenance notes on electrics.

IMPORTANT: *See the alphabetical index at the end of the manual in order to find a particular item in the manual concerning your machine.*

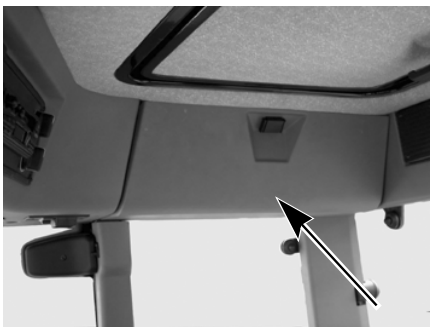
Position descriptions such as in front, behind, right and left are understood to be as seen from the tractor's seat, facing in a forward direction.

Do NOT allow yourself or anyone else to drive the machine or carry out maintenance work without having read the manual. Only employ trained drivers who have shown their ability to correctly and safely work and maintain the machine.

With its standard equipment and licensed fittings, this tractor is intended for use in agriculture etc.

Do NOT use the machine for any other purpose other than those described in the manual. Get in touch with an authorised dealer concerning changes, additions or modifications which could be necessary for your machine to fulfil the relevant national guidelines and safety requirements. Release or approval from the manufacturer is required for custom-built bodies. Unapproved changes will render product liability null and void.

Keeping your manual safe



SD03D007

Keep the operating manual in the compartment provided for that purpose on your tractor.

Ensure that this manual is complete and remains in good condition.

Ask your retailer for additional manuals or further information as well as support for your machine. Your retailer employs specially trained engineers who know the best method of repair and maintenance for your machine.

IMPORTANT: *This operating manual is part of your tractor. If the tractor is sold or hired out, the operating manual MUST be handed over with it.*

Declaration of conformity

This tractor meets the EC Electromagnetic compatibility guideline (89/336/EEC) – and is marked with CE.

Type approval

The tractors are road traffic law approved in all EC countries with the following overall type approvals, with a designed speed of up to 40 km/h.

e1 * 2001/3 * 0144
in the respective valid amendment state.

Over and above this, national approvals exist for versions with a measured speed of up to 50 km/h.

Software status

		135-170 HP	135-195 HP	195 HP
ARU	Armrest		1.2.0.0	
EEM	Electronic engine controller	1.4.0.0		1.0.0.0
FMGR	Vehicle/transmission controller		1.4.0.0	
SGR	Transmission controller		1.4.0.0	
ECCU	Electronic Central Control Unit		1.2.0.0	
ADIC	Analog/digital instrument		1.2.0.0	
KPAD	Function keys		2.1.0.0	
EDC	Electronic 3-point hitch control		0.0.3.9	
ICU	Display		1.0.0.0	

Airborne noise emitted

In accordance with the regulations specified in the EU directives, the noise levels of the tractor described in this operator's manual are as follows:

	Noise level at the driver's ear		Driving noise level
	Closed	Open	
Model	**Annex II***	**Annex II***	**Annex IV****
CVX 1135	73.0	79.0	83.0
CVX 1145	72.0 73.0 ***	79.0	83.0
CVX 1155	72.0 73.0 ***	79.0	83.0
CVX 1170	72.0	79.0	83.0
CVX 1195	74.0 ***	79.0	83.0

* Measurement results in accordance with EU directive 77/311/EEC, Annex II.

Maximum noise level at the driver's ear with the windows and doors open / closed and the tractor unloaded.

* Measurement results in accordance with EU directive 74/151/EEC, Annex IV.

*** with ejector exhaust system

PRODUCT IDENTIFICATION AND SERIAL NUMBER

Fill in the machine type designation, the product identification number (P.I.N.) and serial number on the corresponding line below. If required, pass on this numerical data to the Case retailer when ordering parts or making inquiries.

Write down the identification number. Records and the vehicle log book must be kept in a safe place. If the machine is stolen, these code numbers must be reported to the local police station.

Type plate details

SD05H001

Arrangement of individual numbers

TRACTOR

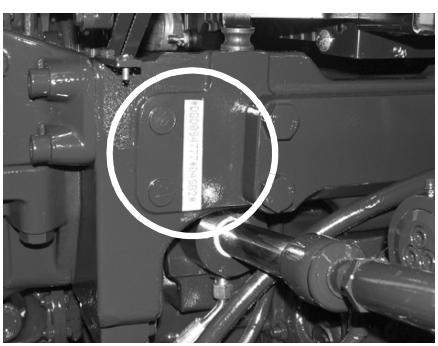
SD05H002

Type designation _____

Product identification number

_____

TRACTOR



SD05H003

Type designation _____

Product identification number

_____

ENGINE

SD05H004

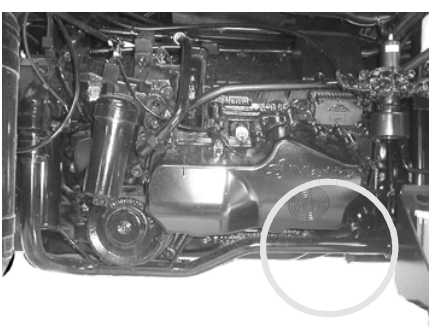
Serial No. _____

CAB

SD03D013

Serial No. _____

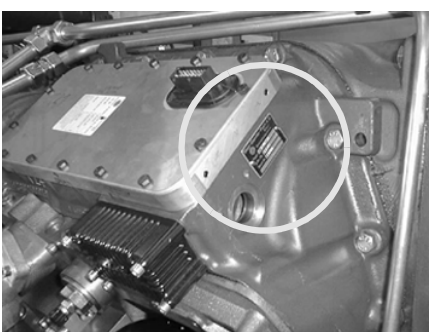
ENGINE/TRANSMISSION UNIT



SD00G003

Serial No. _____

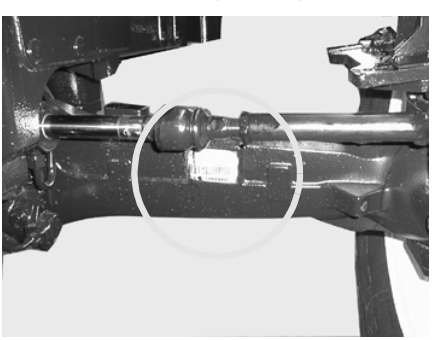
CATRIDGE



SD99K006

Serial No. _____

4-WHEEL DRIVE (if fitted)



SD98B037

Serial No. _____

4-WHEEL DRIVE independent suspension (if fitted)

SD98B059

Serial No. _____

Thank you so much for reading.

Please click the “Buy Now!” button below to download the complete manual.

Buy Now

After you pay.

You can download the most perfect and complete manual in the world immediately.

Our support email:

ebooklibonline@outlook.com