OPERATOR'S MANUAL

Boomer[™] 3040 CVT Boomer[™] 3045 CVT Boomer[™] 3050 CVT

With Cab and (EasyDrive[™]) CVT Transmission Compact Tractor

PIN ZDMB11925 and above



Contents

1	GENERAL INFORMATION	
	Note to the owner	
	Intended use	
	Electro-Magnetic Compatibility (EMC)	
	Manual scope and required training level	
	Metric and Imperial units abbreviations	
	Product Identification Number (PIN)	
	Operator's Manual storage on the machine	
	Machine orientationOfficial documents	
	Official documents	. 1-12
2	SAFETY INFORMATION	
_	Safety alert symbol and signal word definition	2-1
	Safety rules	
	Ecology and the environment	
	Safety aspects	
	Airborne noise emission	
	Vibration levels	
	Machine stability	. 2-18
	Safety signs	. 2-21
	Instructional signs	. 2-32
	CONTROLS AND INSTRUMENTS ACCESS TO OPERATOR'S PLATFORM Doors	3-1
	OPERATOR'S SEAT	
	Older style (Early production)	3-2
	Newer style (Later production)	
	Seat belt	3-4
	FORWARD CONTROLS	
	Steering wheel - Adjust	
	Instrument panel	
	ADIC programming	
	ADIC fault codes - Transmission related	
	Status and warning icons	
	Front window wiper/washer	
	LEET HAND SIDE CONTDOLS	
	LEFT-HAND SIDE CONTROLS Transmission shuttle shift lever	2 27
	Continuously Variable Transmission (CVT) controls	. 3-32 . 3-33
	Four-Wheel Drive (4WD) system - Control	3-38

Differential lock pedal 3-3	9
RIGHT-HAND SIDE CONTROLS Foot throttle pedal	1 1 4 5
REARWARD CONTROLS Rear window	-8
OVERHEAD CONTROLS Cab climate control - Overview	51 55
EXTERIOR CONTROLS Hood latch	57 57
4 OPERATING INSTRUCTIONS COMMISSIONING THE UNIT CVT transmission controls - Settings and adjustments	8 20 22 23
STARTING THE UNIT Ignition switch - Control identification. 4-2 Pre-heating the system 4-2 Engine starting system - Dynamic description 4-2	26 26
STOPPING THE UNIT Stopping the engine	32

5	TRANSPORT OPERATIONS	
	ROAD TRANSPORT External lighting - Identification External lighting - Control - Multifunction stalk switch External lighting - Control License plate light	5-3 5-4
	RECOVERY TRANSPORT Preparation for towing Preparation for towing , This instruction pertains to CVT tractors with transmissions	
	serial numbers of 0121 and higher	
6	WORKING OPERATIONS	
	GENERAL INFORMATION Filling the fuel tank	6-1
	Engine - Running-in Procedure	
	Driving the tractor	6-2
	Tractor hydraulics	
	Hydraulic systems - Safety rules	
	Hydraulic power lift (HPL)	
	Position control	
	HPL drop rate control valve	
	Rear remote control valve(s)	
	Rear remote valve configuration	
	Hydraulic manifold block/diverter valve	
7	MAINTENANCE	
	GENERAL INFORMATION	
	Safety rules Torque - Minimum tightening torques for normal assembly	
	Diesel fuel	
	Biodiesel fuel - Biodiesel Fuels	. 7-8
	Toolbox	
	Jacking points	7-11
	Consumables	7-12
	MAINTENANCE CHART Maintenance Chart	7-13
	Seasonally	
	Check the air-conditioning system	7-15

Every 10 hours or daily	
Check engine oil level	7-16
Check air cleaner	
Windshield wiper reservoir	
Check engine coolant level	7-19
After first 50 hours	
Change engine oil	7-20
Replace hydraulic oil filter	7-22
Replace the engine fuel filter	
Every 50 hours	
50 hours grease zerks	7-24
50 hours grease zerks Front axle pivots, final drive housing grease points	
Fan belt tension -check	
Fan belt tension - adjust	
Check the battery	7-29
Tires	
Wheel bolts	
Check the transmission fluid level	
Differential oil Later production	
Air conditioning compressor drive belt	
Every 100 hours	
Fuel filter - drain	7 30
Air cleaner primary element - cleaning	
Cab air filter	
Every 200 hours	
Every 200 hours	7.40
Change engine oil	
Fan belt tension -checkFan belt tension - adjust	
Air conditioning compressor drive belt	
7 iii Gondiiioniii g Gompi Godon ann a Gold Thirini ann ann an 18 ann a	
Every 300 hours	
Fuel filter - replace	
Change the transmission fluid	
Replace the transmission fluid filter	
Transmission pressure filter replace	
Transmission control valve filter replace	
Differential fluid - change (4WD) Early production	
Differential fluid - change (4WD) Later production	/-54

	Every 600 hours G-Rotor pump inner filter cleaning	7-57
	Every 1000 hours Engine air cleaner replace Inner safety element	
	Every 12 months Change the engine coolant	7-60
	Periodically Alternator - check Cab frame check Check seatbelt	7-62
	As required Engine coolant thermostat. Fan belt. Bleeding air in fuel system Fuel injector lines. Fuse and relay box replace. Headlight Taillight Turn signal/Hazard light bulb replacement Cab Work Lights. Service brakes - adjust Park brake - adjust	7-65 7-66 7-68 7-69 7-73 7-74 7-75 7-77
	STORAGE Storage - Storing - Tractor Storage - Check	
8	SPECIFICATIONS Consumables General specifications - Biodiesel Fuels Wheel tread settings Front wheels - Weight Engine - General specification Frame - Dimension	. 8-2 . 8-3 . 8-4 . 8-5
9	ACCESSORIES Front ballast - Install Counterweight - Install Rear wheel ballasts - Install Early Grille guard Later Grille guard	. 9-3 . 9-5 . 9-6

Radio/CD player	9-8
Mid mount two spool remote control valve	
Window grille guard	
Roof Beacon	
Factory installed winter packages	9-12
10 FORMS AND DECLARATIONS	
Delivery report - Owner Copy	
Delivery report - Dealer Copy	

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.

Your NEW HOLLAND dealer will instruct you in the general operation of your new equipment. (Refer to the 'Delivery Report' at the back of this manual.) 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.

Your NEW HOLLAND dealer carries a complete line of genuine NEW HOLLAND 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 INFORM Model	ATION
Product Identification Number (PIN)	
Date Purchased	
Engine Model (As Applicable)	
Engine PIN (As Applicable)	

EC Declaration of Conformity

The manufacturer delivers the machine with a document called "EC Declaration of Conformity" which guarantees that the machine complies with the European Machinery Safety Directives. This document will usually be found on the machine when the machine is originally supplied to you. If not, it should be obtained from your dealer. The owner must carefully preserve this document to be able to present it to Safety Inspection Authorities when requested. The document as well as the operators manual should also stay with the machine if it is traded again.

A 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

ATTENTION: The engine and fuel system on your machine is designed and built to government emission standards. Tampering by dealer, customers, operators, and end 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 Industrial America LLC is continually striving to improve 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.

Intended use

INTENDED USE OF YOUR TRACTOR

Your tractor is designed and made to pull, to carry, and to power a variety of mounted or towed equipment, although within some physical limits. The working speed and performance may depend on a number of various parameters, such as weather and terrain conditions. Though the tractor is designed to perform in combination with a variety of equipment in most crops and conditions, there may be a number of combinations of above parameters, for which there is severe degradation of performance of the tractor and/or its mounted or trailed equipment. If you notice degradation of performance, contact your dealer for assistance. He may have useful information for improvements, or a kit may be available to enhance the performance.

- Do not use the tractor for another purpose than intended by the manufacturer and outlined in this manual.
- Do not use the tractor beyond its limits of terrain gradient and stability as outlined further in this manual. Using the tractor beyond these limits may result in roll-over or tip-over. Observe the recommendations in this manual.
- Do not use the tractor on higher speeds than allowed by the load and the environment. A wet surface or other low adherence conditions may increase the braking distance or result in vehicle instability. Always adapt your traveling speed according to the load of the vehicle and the characteristics of the road.
- Do not use the tractor near or on soft verges of canals and brooks or banks and verges that are undermined by rodents. The tractor may sink sideways and rollover.
- Do not use the tractor on brittle bridge heads and poor bridge floors. These constructions may collapse and cause roll-over of the tractor. Always check out the condition and carrying capacity of bridges and ramps prior to engage.
- Do not use the tractor without wearing the seat restraint system during activities where roll-over or tip-over hazards exist. The ROPS cab or ROPS structure will only be fully effective when the driver remains attached to his seat.
- Do not use equipment mounted on the tractor which is not correctly matching and firmly fixed. Such equipment may increase the risk for roll-over and hit the tractor when coming loose. Ensure that the dimensions of the three-point linkage interface of both the tractor and the equipment are matching according to the categories defined in ISO 730. Ensure that the dimensions and speed of the PTO shaft on the tractors are matching those of the equipment.
- Do not use the tractor in combination with equipment, without having consulted the specific Operators Manual provided with the equipment. The tractor is a universal

- tool to carry, tow, and drive a variety of equipment. This manual alone cannot provide you with all the information required for the safe operation of the combination.
- Do not use the tractor beyond its limits of dynamic stability. High speed, abrupt maneuvers, and fast and short cornering will increase the risk of roll-over.
- Do not use the tractor for pulling work, in cases where you do not know whether the load will yield, for instance when pulling stumps. The tractor may flip over when the stump is not yielding.
- Be extremely cautious when working with the tractor on forage silos without lateral concrete walls. Dual wheels or a wide track setting may improve the lateral stability of the tractor.
- Be cautious that the center of gravity of the tractor may increase when loads on the front-end loader or the three-point linkage are raised. In these conditions, the tractor may roll-over earlier than expected.
- Do not step down from the tractor without shutting down the PTO, shifting the transmission to park or neutral and applying the park brake, unless continued PTO operation is required for some equipment, such as pumps or wood chippers. The latter equipment may have an emergency stop device on the equipment itself, as human intervention is needed during operation. But other equipment, engaged and driven by the tractor will have no means to stop the power transmission, other than the PTO clutch of the tractor.
- You shall take the necessary precautions to always be aware of the possible presence of bystanders, certainly when maneuvering in confined areas, such as the farm yard and sheds. Keep people away from the tractor duringwork; ask bystanders to leave the field. There is not only the risk to be overrun by the tractor, but objects ejected by some equipment mounted on the tractor, such as a rotary mower, may cause harm. Stones may be thrown further than the mowed crop. Pay the necessary attention while operating next to public roads or footpaths. Thrown objects can get projected outside the field and hit unprotected people like bikers or pedestrians. Wait to cut the edge of the field till it is clear of bystanders.
- Do not allow riders on the tractor; do not allow people standing on the access way or step to the cab when the tractor is moving. Your view to the left will be obstructed and a rider risks to fall from the tractor during unforeseen or abrupt movements.
- Always stay clear from implements operating area and especially do not stand between tractor and trailed vehicle either three-point linkage when operating lift controls; ensure no bystanders are near these operating areas.
- Certain functions of your tractor, if equipped with a CVT transmission, are controlled by software and some of them are safety related. Do not attempt to modify or download software from spurious sources. Settings

and logics may be destroyed and affect seriously the function of the tractor. This may result in unpredictable and unsafe behavior of the tractor. Only your dealer is entitled to intervene on the software of the tractor. He has the appropriate tools and data sets for it and owns the officially released software versions and updates for your tractor.

- Your tractor may be equipped with a number of sensors to control safety functions. Tripping these sensors will result in a safe operation mode. Do not attempt to bypass any function on the tractor. You will be exposed to serious hazards, and moreover, the behavior of the tractor may become unpredictable.
- A tractor has only one operator station and is a one man operated vehicle. Other people on or around the tractor during normal operation are not allowed.
- The machine is designed and produced exclusively for agricultural use.
- The machine is not designed for light/heavy forestry applications; usage is prohibited for forestry applications.
- All other use will be considered to be contrary to the use specified by CNH AMERICA LLC, 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 CNH AMERICA LLC.
- The machine must only be used, serviced, or repaired by personnel trained in the relevant working methods and safety regulations and who have been authorized 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 CNH AMERICA LLC from any liability resulting from damage or injury.
- CNH AMERICA LLC and all its distribution organizations, 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 CNH AMERICA LLC.
- Under no circumstances will a guarantee be issued for products made or sold by CNH AMERICA LLC that are damaged as a result of the malfunction of parts and/or components not approved by CNH AMERICA LLC.
- The use of biodiesel blends meeting Specification Standards ASTM 6751 or EN14214 are approved for your engine up to B5 (5% blend ratio). It is highly recommended to use biodiesel fuel from accredited suppliers to maintain quality and consistency of the fuel.

Electro-Magnetic Compatibility (EMC)

This machine complies strictly with the European Regulations on electro-magnetic emissions. However, 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:

- Ensure that each piece of non- NEW HOLLAND equipment fitted to the machine bears the CE mark.
- 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.

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

Manual scope and required training level

Introduction to this Manual

This manual gives information for use of your NEW HOL-LAND machine, as intended and under the conditions foreseen by the manufacturer during normal operation and routine service and maintenance. This manual does not contain all the information related to periodical service, converting and repairs to be carried out by professional service personnel. For some of the latter activities, there may be a need for appropriate facilities, technical skills, and/or tools which are not supplied with the machine.

The manual is divided into sections as outlined in the General Table of Contents Page(s). Refer to the Detail Index at the end of this manual for locating specific items about your NEW HOLLAND machine.

Scope and Required Training Level

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

Normal operation consists of use of the NEW HOLLAND machine for the purpose intended by the manufacturer by an operator that is:

- Familiar with the NEW HOLLAND machine and the mounted or towed equipment.
- Complying with the information for operation and safe practices, as specified by the manufacturer in this manual and by the signs on the machine.

Normal operation includes:

- The preparation and storage of the NEW HOLLAND machine
- · Swinging components into work position and vice versa
- · Adding or removing ballast
- Picking up and setting off mounted or towed equipment
- The adjustment and setting of the NEW HOLLAND machine and equipment for the specific condition of the field and/or the crop.

Routine service and maintenance consists of activities that must be done daily in order to maintain its proper function by an operator that is

- Familiar with NEW HOLLAND machine characteristics
- Complying with the information for routine service and safe practices, as specified by the manufacturer in this manual and by the signs on the NEW HOLLAND machine. Routine service includes activities such as fueling, cleaning, washing, topping up fluid levels, greasing, and replacing consumable articles such as lamp bulbs.

This manual does not contain all the information related to periodical service, converting and repairs to be carried out by NEW HOLLAND professional service personnel. For some of the latter activities, there may be a need for appropriate facilities, technical skills, and/or tools which are not supplied with the NEW HOLLAND machine.

Periodical service consists of activities that must be done at defined intervals:

- By trained personnel familiar with the NEW HOLLAND machine characteristics.
- By trained personnel 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 NEW HOLLAND machine. Periodical service includes activities such as changing oil from the engine, hydraulic circuits or transmission, or other substances or components that need periodical exchange.

Converting consists of activities that must be done:

- By professional service personnel familiar with the NEW HOLLAND machine characteristics
- 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 rebuild the NEW HOLLAND machine in a configuration which is appropriate for a specific crop or soil condition (e.g., installation of dual wheels etc.)

Repair (and dismantling) consists of activities that must be done:

- By professional service personnel familiar with the NEW HOLLAND machine characteristics
- Complying with the information for repair, as specified by the manufacturer in the NEW HOLLAND dealer's service manual.
- In order to restore the proper function of the NEW HOL-LAND machine after a failure or degradation of performance when scrapping or dismantling the NEW HOL-LAND machine.

Read this manual before you start the engine or operate this NEW HOLLAND machine. If any information in this manual is not understood, or if you need more information or assistance, contact your NEW HOLLAND dealer.

All persons training to operate, or who will be operating this NEW HOLLAND machine, should be old enough to possess a valid local vehicle operating permit (or other applicable local age requirement) and must have demonstrated the ability to operate and service the NEW HOLLAND machine correctly and safely.

Metric and Imperial units abbreviations

Typical applications	Metric unit		Imperial unit	
	Name	Symbol	Name	Symbol
rea (Land area)	,			
	hectare	ha	acre	ac
	square meter	m²	square foot	ft²
			square inch	in²
	square millimeter	mm²	square inch	in²
lectricity				
	ampere	Α	ampere	Α
	volt	V	volt	V
	microfarad	μF	microfarad	μF
	ohm	Ω	ohm	Ω
orce				
	kilonewton	kN	pound	lb
	newton	N	pound	lb
orce per length				
· · · · · · · · · · · · · · · · · · ·	newton per meter	N/m	pound per foot	lb/ft
	·		pound per inch	lb/in
requency			, p	
	megahertz	MHz	megahertz	MHz
	kilohertz	kHz	kilohertz	kHz
	hertz	Hz	hertz	Hz
requency - Rotational	110112	112	Horiz	112
requeries retational	revolution per minute	r/min	revolution per minute	r/min ^a
	Tevolation per minate	rpm	Tevelation per minute	rpm
ength		1,0111	l .	1,0
.c.igui	kilometer	km	mile	mi
	meter	m	foot	ft
	centimeter	cm	inch	in
	millimeter	mm	inch	in
	micrometer	μm	mon	
lass	Timerenietei		_	
1000	kilogram	kg	pound	lb
	gram	g	ounce	OZ
	milligram	mg	3333	
lass per mass	i iiiiigi aiii	9	L	
iaco por maco	milligram per kilogram	mg/ kg	parts per million	ppm
ower	minigram per kilogram	mg/ Ng	parto per million	PF'''
OWO	kilowatt	kW	horsepower	Нр
	watt	W	Btu per hour	Btu/hr
	watt	44	Btu per minute	Btu/min
ressure or stress (Force	nor area)		Dia per minute	Dta/IIIII
resoure or stress (FOICE		kDa.	nound nor aguera inch	no!
	kilopascal	kPa	pound per square inch	psi
			inch of mercury	inHg
	pascal	Pa	inch of water	inH2O
	megapascal	MPa	pound per square inch	psi
	millibar	<u>mbar</u>		
	bar	bar		

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