ORIGINAL INSTRUCTIONS

OPERATOR'S MANUAL

T9.450

T9.505

T9.560

T9.615

T9.670

Tier 2

Tractor

PIN JEEZ00000FF405001 and above



Contents

1	GENERAL INFORMATION Note to the owner	1_1
	Intended use	
	CNH Industrial America LLC technical manuals	1-2
	Your tractor	1-3
	Electro-Magnetic Compatibility (EMC)	
	Product identification	1-5
	Operator's manual storage on the machine	
	Machine orientation	
	Component location	1-11
2	CAEETY INFORMATION	
_	SAFETY INFORMATION Safety alert symbol and signal word definition	2.1
	Safety rules Ecology and the environment	∠-∠ 2.12
	Protective structures	
	Hazardous substances	
	Emergency exit	
	Articulation cylinder locking blocks	
	Safety signs	
3	CONTROLS AND INSTRUMENTS	
	Access to apprehens platform	
	Access to operator's platform	0.4
	Cab access/exit	3-1
	Operatoria cost	
	Operator's seat	
	Overview	
	Control identification	3-4
	Instructional seat	
	Overview	3_7
	Overview	5-7
	Forward controls	
	Steering column controls	3-8
	Front console controls	
	Pedal controls	
	Ventilation	
	Front sun shade	3-14
	Dight hand side controls	
	Right-hand side controls	
	Armrest console	
	Multi-function handle	
	Control panel	
		5 = 1

Remote valve controls	
Joystick	
Armrest compartment	
Adjusting the armrest console	3-36
Rearward controls Rear sun shade	3-37
Overhead controls	0.00
Overview	3-38
Automatic Temperature Control (ATC) operation	
Center panel controls	
Radio (if equipped)	
Interior and access lights	
Interior rear-view mirror	3-53
Exterior controls Exterior hitch control	
Instrument cluster	
Overview	3-55
Gauges	
Status and warning icons	
Upper display	3-59
Lower display	3-61
Keypad	3-63
Instrumentation - setup menu	3-64
Instrumentation - adjust menu	
Performance instrumentation	3-77
4 OPERATING INSTRUCTIONS	
Commissioning the unit	
Before starting the engine	4-1
Starting the unit	
Normal engine starting Cold temperature operation	
Stopping the unit	
Stopping the machine and the engine	4-10
Moving the unit	
Moving the unit	4 44
Inching (clutch) pedal operation	4-11

Transmission control lever	4-12
Powershift transmission	
Overview	
Transmission controls	
Driving the powershift transmission	
Changing startup gear	
Automatic Productivity Management (APM)	
Ground Speed Management (GSM)	4-32
Continuously variable transmission	4-42
Overview	4-42
Foot pedal, hand throttle and droop control	4-44
Transmission controls	
Driving the Auto Command™ transmission	4-53
Transmission messages	4-62
All tractors	4-63
Electronic steering system	
Differential lock system	4-64
Power management	4-67
Constant engine speed	4-68
Headland Management System (HMS)	
Engine compression brake (if equipped)	
Parking the unit	
Automatic park lock	4-80
Automatio park look	
5 TRANSPORT OPERATIONS	
Road transport	5-1
Road transport Tractor warning lamps	
Road transport Tractor warning lamps Operating the tractor warning lamps	5-3
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed	5-3 5-4
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps	5-3 5-4 5-5
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed	5-3 5-4 5-5
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain	5-3 5-4 5-5
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps	5-3 5-4 5-5
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain	5-3 5-4 5-5 5-5
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport	5-3 5-4 5-5 5-5
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping	5-3 5-4 5-5 5-5
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport	5-3 5-4 5-5 5-5
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport Safety rules	5-3 5-4 5-5 5-5 5-5 5-6
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport	5-3 5-4 5-5 5-5 5-5 5-6
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport Safety rules	5-3 5-4 5-5 5-5 5-5 5-6
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport Safety rules Towing the tractor.	5-3 5-4 5-5 5-5 5-5 5-6
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport Safety rules Towing the tractor. 6 WORKING OPERATIONS	5-3 5-4 5-5 5-5 5-5 5-6
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport Safety rules Towing the tractor. 6 WORKING OPERATIONS General information	5-3 5-4 5-5 5-5 5-6 5-7 5-8
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport Safety rules Towing the tractor. 6 WORKING OPERATIONS	5-3 5-4 5-5 5-5 5-6 5-7 5-8
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport Safety rules Towing the tractor. 6 WORKING OPERATIONS General information Product overview	5-3 5-4 5-5 5-5 5-6 5-7 5-8
Road transport Tractor warning lamps Operating the tractor warning lamps Safe transport speed Implement warning lamps Safety chain Shipping transport Securing the tractor for shipping Recovery transport Safety rules Towing the tractor. 6 WORKING OPERATIONS General information	5-3 5-4 5-5 5-5 5-6 5-7 5-8

Connecting the Power Take-Off (PTO)	
Power take-off (PTO) operation	6-4
THREE-POINT HITCH	
Identification	
Sway block adjustment	
Mechanical float adjustment	
Hitch quick coupler - Category IVN	
Transport lock	
Hitch operation	
Rear remote hitch switch	
Position control operation	
Slip control operation	6-26
DRAWBARS AND TOWING ATTACHMENTS	0.07
Safety rules Drawbar capacities	
Scraper operation	
	0-31
TRAILER BRAKE COUPLER Safety rules	6-31
Trailer brake connections	
Trailer Brane Commoditions	0 02
AUXILIARY POWER CONNECTIONS	
External power and lighting connections	6-33
Cab power connections	
HYDRAULIC REMOTE CONTROL VALVES	
Valve couplers and connections	6-38
Optional circuits	
Hydraulic remote valve transport lock	6-46
Right-hand armrest controls	
Operating the lever controls	
Operating the Joystick control	
Remote valve display screens	
Auto auxiliary mode operation	
Auto depth control operation	6-62
BALLASTING THE TRACTOR Guidelines	6 65
Guidelines	6-69
Wheel weight bolt torque	
Wheel slip	
·	

FRONT AND REAR AXLE	
Tire safety	
Pressure and load ratings	
Wheel installation	
Wheel tread settings on flange axles	
Wheel tread settings on bar axles	6-94
7 MAINTENANCE	
General information General information	7_1
Engine hood	
Engine side shields	
Opening the right-hand service door	
Battery access	
Power cut-off switch	7-6
Filling the fuel tank	
Fuel tank capacity	
Tire and rim service Tractor jacking points	
Lubricants and capacities	
Engine oils	
Consumables - Diesel fuel - Diesel fuel	
Consumables - Biodiesel fuel - Biodiesel fuels	7-18
Organic Acid Technology (OAT) coolant	
Electrical specifications	
Battery system	
Auxiliary battery connections	
Engine hourmeter	7-20
Maintenance planning	
Maintenance chart	7 27
	1-21
At warning message display	
Air cleaner	
Primary fuel filter	
ruel supply restricted (13L engines only)	1-30
Every 10 hours or daily	
	7 21
Engine oil level	
Wheel weight bolt torque	
Transmission oil level	
Hydraulic and axle oil level	
Engine coolant level	
Fuel level	
General tractor inspection	7-35

Every 50 hours	
Fuel tank and fuel filter	
Articulation hinge - upper front	7-37
Oscillation hinge - rear	
Articulation hinge - lower	
Articulation cylinder - front, left-hand, right-hand	
Articulation cylinder - rear, left-hand and right-hand	
Hitch cylinder pin - upper (if equipped)	
Hitch cylinder pin - lower (if equipped)	
Hitch rockshaft - left-hand and right-hand	
Hitch lift links and top link	
Driveshaft carrier bearing	7-42
First 100 hours	
Powershift transmission filter	
Powershift transmission clutches	
Auto Command™ transmission filters	
Power Take-Off clutches on Auto Command™ transmission	
Engine fuel filter	
Hydraulic oil filters	7-64
Every 600 hours	
Engine oil and filter	7-65
Engine fuel filter	
Engine fuel pre-filter	
Fuel tank vent	
Cab air filter, outside	
Air tubing - engine	7-74
Alternator - water pump belt	
Power Take Off (PTO) carrier bearing	7-75
Power Take Off (PTO) slip joint	
Radiator and coolers	
Cab recirculation filter	7-79
Every 600 hours or yearly	
Battery electrolyte level	7-80
Every 1000 hours or yearly	
Powershift transmission clutches	7-81
Every 1200 hours	
Engine crankcase breather filter	7_21
Powershift transmission oil and filter	
Powershift transmission breather	
Auto Command™ transmission oil and filters	
Auto Command™ transmission clutches	

Auto Command™ transmission breather Engine air filters	
Door lock and hinges	7-93
Every 1800 hours	
Hydraulic oil and filters	. 7-94
Hydraulic reservoir breather	. 7-97
Cab air filter, outside	
Engine air tubing	. 7-99
Every 2400 hours	
Engine coolant drain and flush	7-100
Every 3000 hours	
Engine valve adjustment	7-103
As required	
Power Take-Off clutches on Auto Command™ transmission	7_103
Vehicle fire prevention	
Remote valve couplers	
Pressure cooling system hoses	
Hydraulic system hoses	
Tire pressure	
Serpentine belt	
Viscous fan drive	
Cab fabric and carpet	
Seat belt	
Battery removal and installation	
Flood and work lamps	
Rotating beacon light	
Exterior step light	
Interior lights	
Road lamps	
Front amber turn and position lamps	
Marker/position lamp	
Rear amber turn/tail/stop lamps	
License plate lamp	7-123
Fuse and relay locations	
Component identification	7-124
Storage	
	7 121
Placing in storage	
Removing from storage	1-132

8 TROUBLESHOOTING

Fault code resolution Fault code retrieval	8-1
Alarm(s)	
Display warnings	8-3
Powershift transmission	
Continuously variable transmission	8-14
9 SPECIFICATIONS	
Engine specifications	
Power train and hydraulics	
Lubricants and capacities	
Speed charts - powershift transmission	
Speed charts - Auto Command™ transmission	9-9
Vehicle dimensions and shipping weight	
Maximum operating weight	9-14
10 ACCESSORIES	
Farming system displays	
Chemical tank mounting	
General accessories	

1 - GENERAL INFORMATION

Note to the owner

This manual contains important information about the safe operation, adjustment, and routine maintenance of your tractor. The manual is divided into ten chapters as outlined on the Contents page. Refer to the index at the end of this manual for locating specific items about your tractor.

Do NOT operate or permit anyone to operate or service this machine until you or the other persons have read this manual. Use only trained operators who have demonstrated the ability to operate and service this machine correctly and safely.

Store this operator's manual in the manual compartment behind the operator's seat in the vehicle. Make sure this manual is in good condition. Contact your dealer to obtain additional manuals. Contact your dealer for any further information or assistance about your machine. Your dealer has approved service parts. Your dealer has technicians with special training that know the best methods of repair and maintenance for your tractor.

ATTENTION: 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 complete. Engine service and/or repairs must be done by a certified technician only!

Intended use

The intended use of T9. series tractors with standard equipment and authorized attachments is for customary farming, land leveling, and related agricultural operations. Standard equipment includes rear-drawbar towed implements and hitch-mounted implements for tillage, planting, seeding, and hauling. You or a NEW HOLLAND authorized dealer must install attachments for agricultural liquid chemical application in a way that does not impair the safe operation of the tractor. Compliance with and strict adherence to the conditions of operation, service, and repair, as specified by NEW HOLLAND, and including conditions as to inspection, cleaning and maintenance, constitute essential elements of the intended use.

NEW HOLLAND does not intend for the use of this tractor for forestry work or with loaders. The cab on this tractor does not offer sufficient protection. NEW HOLLAND does not approve the installation or use of unauthorized frame-mounted or other attachments. No attachment should be used in a manner that would be ground engaging or for pushing anything other than loose material (i.e. silage, compost, snow). You or a NEW HOLLAND authorized dealer must install attachments in a way that does not impair the safe operation of the tractor. The tractor warranty will not cover any tractor damage that results from the installation and/or use of such equipment.

Consult an authorized NEW HOLLAND dealer or CNH Industrial America LLC on changes, additions, or modifica-

tions that this tractor may require to comply with various regulations and safety requirements. Unauthorized modifications will cause serious injury or death. Anyone who makes such unauthorized modifications is responsible for the consequences.

Only use this tractor in the manner described in the provided manuals, decals, and other product safety materials. These materials define the intended use of the tractor. NEW HOLLAND considers use in any other way as contrary to the intended use. NEW HOLLAND accepts no liability for any damage or injury that results from this misuse. The user must solely bear these risks.

All persons who will operate this tractor shall possess a valid local vehicle-operating permit and/or other applicable local age work permits.

All persons who operate, service, and repair this tractor must be familiar with all its particular characteristics, and understand the relevant safety rules.

Any arbitrary modifications carried out on the tractor will relieve NEW HOLLAND of all liability for any resulting damage or injury.

CNH Industrial America LLC technical manuals

Manuals are available from your dealer for your machine. Your dealer can expedite your order for operator manuals and parts catalogs.

Always give the machine name, model and Product Identification Number (PIN) of your machine so your dealer can provide the correct manuals for your machine.

The company is continually striving to improve its products and therefore reserves the right to make improvements and changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously. All data given in this manual is subject to production variations.

NOTICE: Operating and service messages displayed on the electronic operating panel may vary from what is shown in the manual. If this occurs, heed the latest instructions on the electronic operating panel.

Dimensions and weights are approximate only and the illustrations do not necessarily show the machine in standard condition. For exact information about any particular machine, please consult your dealer.

Manual scope and required training level

This manual provides information on the intended use of your tractor under the conditions foreseen by the manufacturer during normal operation, routine service and maintenance and periodic service and maintenance.

Normal operation is use of the tractor for the purpose intended by the manufacturer by an owner/operator who is familiar with the tractor and the mounted or towed equipment, and who is complying with the information on operation and safe practices, provided in this manual and by the decals on the tractor and the equipment.

Normal operation includes such actions as preparing the tractor for storage and removing the tractor from storage, adding or removing ballast, connecting and disconnecting mounted or towed equipment, raising and lowering components into or out of work position, adjusting tractor settings for specific field or crop settings, etc.

Routine service and maintenance are those actions which must be performed daily to maintain proper tractor function by an owner/operator who is familiar with tractor characteristics, and who is complying with the information on routine service and safe practices in this manual and in the decals on the tractor.

Routine service and maintenance includes such actions as fueling, cleaning, washing, topping off fluid levels, greasing, and replacing consumable articles such as lamp bulbs.

Periodic service and maintenance are those actions which must be performed at regularly defined intervals

to maintain proper tractor function by an owner/operator who is familiar with tractor characteristics, and who is complying with the information on periodic service and safe practices in this manual and in the decals on the tractor.

Periodic service and maintenance includes such actions as checking, cleaning and changing air filters, changing engine oil and filters, changing transmission oil and filters, changing front axle and wheel hub fluids, changing coolant, etc.

Some actions in the periodic service and maintenance chart are beyond the knowledge and skills of the owner/operator: for example, engine valve adjustment, fuel injector nozzles. For these actions, the manual instructs the owner/operator to have the action performed by their authorized dealer.

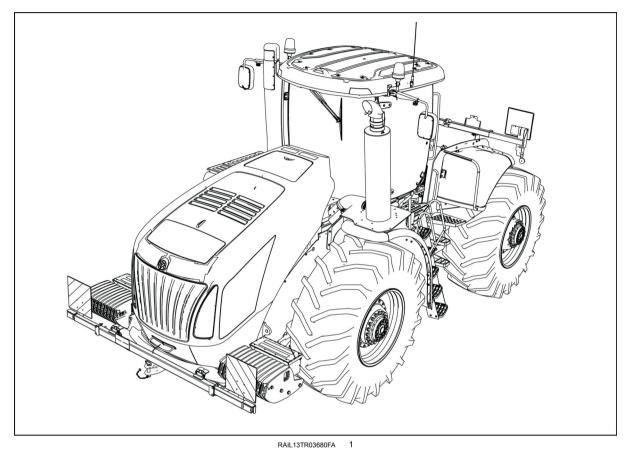
This manual does not contain all the information related to periodical service and maintenance, converting and repairs to be carried out by professional service personnel. These actions require special facilities, technical skills, and/or tools which are not supplied with the machine.

Converting is changing the tractor configuration for a specific crop or soil condition and requires rebuilding or adding components to the vehicle: for example, installation of dual wheels. Repairing is the disassembly and assembly of the tractor to restore proper operation after a component failure or degradation of performance.

Your tractor

This manual covers the T9.450, T9.505, T9.560, T9.615, and T9.670 models.

References are made within this manual of "row crop models" and "high power models". Row crop models include T9.450, T9.505, and T9.560 models. High power models include T9.615, and T9.670 models.



New Holland T9. series tractor

Electro-Magnetic Compatibility (EMC)

Interference may arise as a result of add-on equipment that 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:

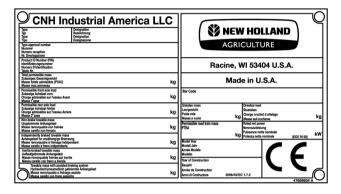
- The maximum power of emission equipment (radio, telephones, etc.) must not exceed the limits imposed by the national authorities of the country where you use the machine
- The electro-magnetic field generated by the add-on system should not exceed 24 V/m at any time and at any location in the proximity of electronic components
- The add-on equipment must not interfere with the functioning of the on board electronics

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

Product identification

Tractor model and product identification number

Write your model number, Product Identification Number (PIN), and serial number of major components on the lines provided. If needed, give these numbers to your dealer when you need parts or information for your machine.

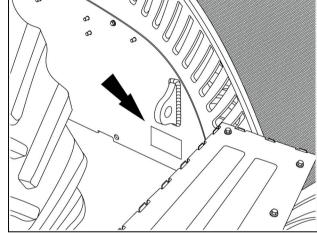


47659934

Model:

PIN:

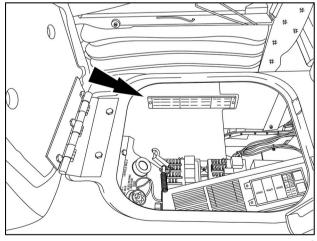
NOTE: Located on the right-hand front side plate in front of front axle.



RCPH11FWD114BAM

Roll Over Protective Structure (ROPS) serial number

NOTE: Located under the instructional seat.



RAIL13TR04833AA

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