

3 - CONTROLS/INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

General Information

⚠ WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY.

MAKE SURE THAT EVERY OPERATOR:

- is instructed in the safe and proper use of this machine.
 - reads and understands the operator's manual for this machine.
 - reads and understands **ALL** safety signs on the machine.
- Failure to comply could result in death or serious injury.**

W0188A

BEFORE USING THE TRACTOR

This Use and Maintenance Manual has been produced to provide the user with information, documents and practical instructions.

It is your responsibility to understand and follow manufacturer's instructions on machine operation, service and to observe pertinent laws and regulation. Read this section of the manual carefully. It indicates the location of the various instruments, switches and controls on the tractor.

Read this section of the manual carefully and make sure that you are familiar with the location and function of all tractor components, even if you already have practical knowledge of other tractors.

Never start or try to use the tractor until you are sure how to operate the controls correctly. Pay particular attention to the tractor's running-in period, to obtain the best operating reliability and service life for which it is designed and built.

The manufacturer is engaged in a continuous process of product development and improvement and therefore reserves the right to change the specifications, components and prices of the product itself at any time, without prior notice.

If you have any doubts about any functional aspect of the tractor, contact your NEW HOLLAND AGRICULTURE

dealer. The dealer can provide skilled personnel, original spare parts and the necessary equipment to carry out your service requirements.

For precise information on specific tractor models and versions, please contact your authorized dealer. In this manual, the "left-hand" and "right-hand" parts of the tractor are as seen from the driver's seat facing forward.

ATTENTION: To avoid damaging the electronic components, follow the instructions noted below when carrying out arc welding on tractors fitted with electronic components or on connected implements.

- When possible, disconnect the implement or the part that needs welding from the tractor.
- Disconnect the two battery cables from the terminals.
- Connect the welding machine ground clamp as close as possible to the area where welding is to take place.
- If welding is to be carried out within **100 cm (39.4 in)** of the control unit, the unit must first be removed.
- While welding, make sure that the cables do not pass above or near electrical or electronic leads.

4 - OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT

Basic operating safety rules

⚠ WARNING

Inhalation/asphyxiation hazard!
Make sure there is proper ventilation before starting the engine.
Failure to comply could result in death or serious injury.

W0091A

⚠ WARNING

Unexpected machine movement!
Before starting the engine, move all operating controls to neutral or park lock position. This prevents accidental movement of the machine or start up of power-driven equipment.
Failure to comply could result in death or serious injury.

W0302A

⚠ WARNING

Hazard to bystanders!
ALWAYS make sure the work area is clear of bystanders and domestic animals before starting this procedure. Know the full area of movement of the machine. Do not permit anyone to enter the area of movement during this procedure.
Failure to comply could result in death or serious injury.

W0245A

⚠ WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE DEATH OR SERIOUS INJURY.
MAKE SURE THAT EVERY OPERATOR:
 -is instructed in the safe and proper use of this machine.
 -reads and understands the operator's manual for this machine.
 -reads and understands **ALL** safety signs on the machine.
Failure to comply could result in death or serious injury.

W0188A

⚠ WARNING

Avoid injury!
Carefully read and observe all the precautionary advice contained in this manual.
Failure to comply could result in death or serious injury.

W0044A

This Use and Maintenance Manual has been produced to provide the user with information, documents and practical instructions.

Read the operator's manual carefully before using the tractor. This is particularly important if the tractor is to be used correctly as it contains all the information required on the layout and use of the tractor controls.

Even if you already have experience in using other makes of tractor, the manual must be studied carefully and thoroughly.

Never start the engine and tractor if you have not already familiarised yourself with all the controls. It is too late to learn once the tractor is moving.

If you have any doubts about any functional aspect of the tractor, contact your NEW HOLLAND AGRICULTURE dealer.

The dealer can provide skilled personnel, original spare parts and the necessary equipment to carry out your service requirements.

7 - MAINTENANCE

GENERAL INFORMATION

General safety before you service

⚠ DANGER

Improper operation or service of this machine can result in an accident.
Do not operate this machine or perform any lubrication, maintenance, or repair on it until you have read and understood the operation, lubrication, maintenance, and repair information.
Failure to comply will result in death or serious injury.

D0010A

⚠ DANGER

Improper operation or service of this machine can result in an accident.
Any unauthorized modifications made to this machine can have serious consequences. Consult an authorized dealer on changes, additions, or modifications that may be required for this machine. Do not make any unauthorized modifications.
Failure to comply will result in death or serious injury.

D0030A

⚠ WARNING

Avoid injury! Always do the following before lubricating, maintaining, or servicing the machine.

1. Disengage all drives.
2. Engage parking brake.
3. Lower all attachments to the ground, or raise and engage all safety locks.
4. Shut off engine.
5. Remove key from key switch.
6. Switch off battery.
7. Wait for all machine movement to stop.

Failure to comply could result in death or serious injury.

W1023A

⚠ WARNING

Maintenance hazard!

Before you start servicing the machine, attach a **DO NOT OPERATE** warning tag to the machine in a visible area.

Failure to comply could result in death or serious injury.

W0004A

⚠ WARNING

Maintenance hazard!

Always perform all service procedures punctually at the intervals stated in this manual. This ensures optimum performance levels and maximum safety during machine operation.

Failure to comply could result in death or serious injury.

W0132A

⚠ WARNING

Improper operation or service of this machine can result in an accident.

Read and understand the **SAFETY INFORMATION** Section before you perform any maintenance, service, or repairs. Read and understand the specific service procedures for the components you plan to work with before you start servicing the machine.

Failure to comply could result in death or serious injury.

W0138A

8 - TROUBLESHOOTING

FAULT CODE RESOLUTION

TROUBLESHOOTING ENGINE

⚠ WARNING

Avoid injury! Always do the following before lubricating, maintaining, or servicing the machine.

1. Disengage all drives.
2. Engage parking brake.
3. Lower all attachments to the ground, or raise and engage all safety locks.
4. Shut off engine.
5. Remove key from key switch.
6. Switch off battery key, if installed.
7. Wait for all machine movement to stop.

Failure to comply could result in death or serious injury.

W0047A

⚠ WARNING

Improper operation or service of this machine can result in an accident.

If you do not understand a maintenance procedure, or doubt your ability to perform a maintenance procedure correctly, see your authorized dealer.

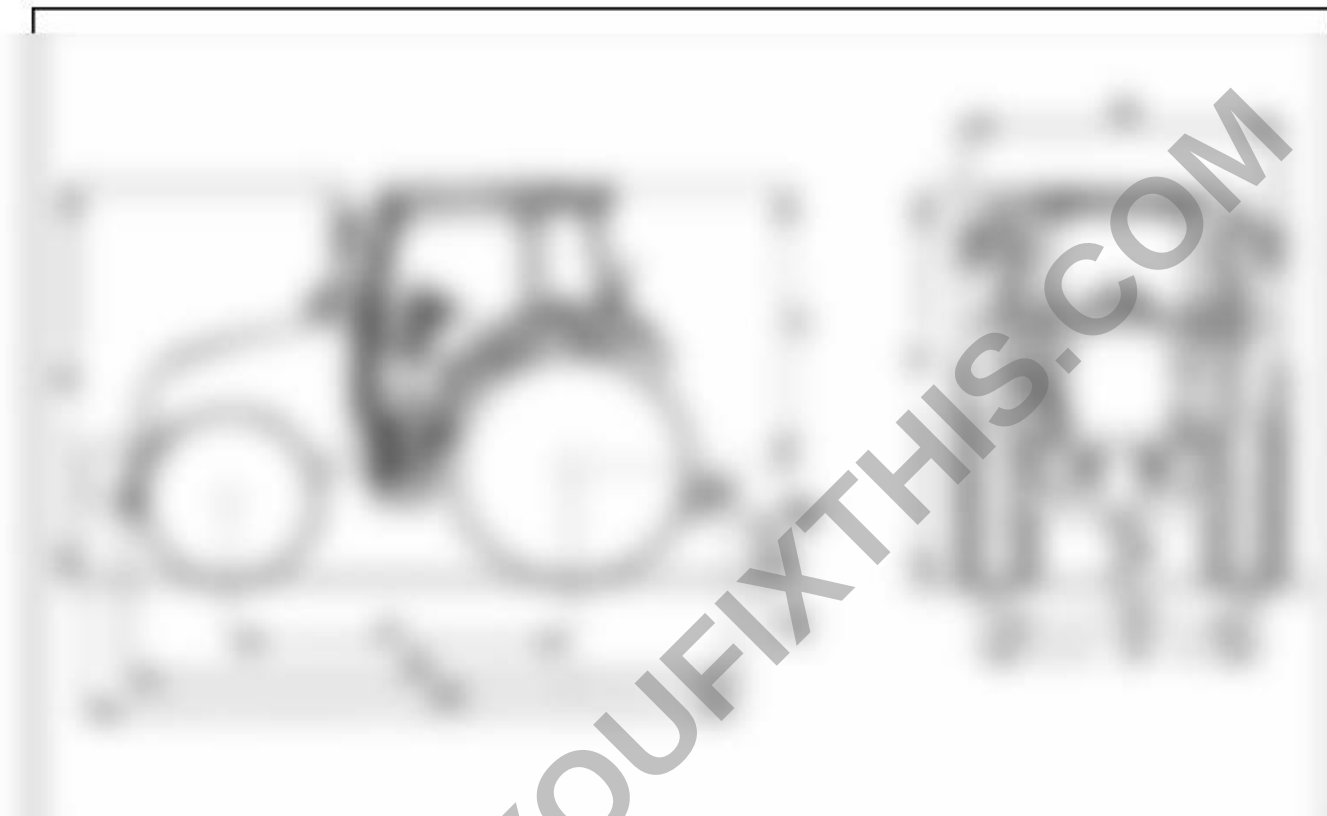
Failure to comply could result in death or serious injury.

W0157A

Problem	Possible Cause	Correction
The engine will not start or starts with difficulty	Incorrect starting procedure	See starting procedure
	Fuel level low or empty	Check the fuel level
	Air in fuel system	Bleed fuel system
	Engine oil viscosity not right	Use oil of right viscosity
	Fuel not suitable for ambient temperature	Use correct type of fuel for temperature conditions
	Fuel system contaminated	Clean system
	Fuel filter clogged	Replace filter element
	Fuel injector fault	Contact your dealer
	Battery isolator activated, or fuse and relay faulty	Disconnect the battery isolator, check and if necessary change the fuse or the relay
The engine does not run properly and/or cuts out	Fuel system contaminated	Clean system
	Fuel injector fault	Contact your dealer
Engine does not develop full power	Engine overload	Change to lower gear or reduce load
	Air filter clogged	Carry out maintenance on air filter
	Incorrect fuel type	Use the right fuel
	Low engine operating temperature	Check thermostat
	Fuel injector fault	Have your dealer check the injectors
	Implement incorrectly set	See equipment manual
	Improper valve clearance	Check and adjust
	Idling speed too low	Contact your dealer
Abnormal engine knocking	Oil level low	Top up fluid level
	Oil pressure low	Contact your dealer
Low engine operating temperature	Thermostat malfunction	Replace thermostat
Oil pressure low	Oil level low	Add oil as required
	Oil grade or viscosity wrong	Drain and refill with oil of correct grade and viscosity

9 - SPECIFICATIONS

Dimensions and weights



Blurred on purpose. The manual you buy has this page in full quality.

PREVIEW -

Contents

1 GENERAL INFORMATION

Note to the Owner	1-1
Proposition 65	1-2
Electro-magnetic interference (EMC).....	1-3
International symbols	1-4
Introduction	1-6
Operator's manual storage	1-7
Tractor intended use.....	1-8
Ecology and the Environment	1-10
Identification plates	1-11
Approval data plate	1-12
Component Identification	1-13

2 SAFETY INFORMATION

Safety rules and signal word definitions	2-1
Safety information	2-2
Air conditioning safety regulations.....	2-6
Vehicle vibration levels	2-7
Cab guard	2-8
Personal protective equipment (PPE)	2-10
Tractor jacking points	2-11
Hazardous chemicals.....	2-12
Burn prevention.....	2-13
Getting in and out of the machine.....	2-14
Wheel chocks.....	2-15
Safety signs	2-16

3 CONTROLS/INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

General Information	3-1
Cab	3-2
Heating, ventilation or air-conditioning control	3-6

OPERATOR'S SEAT

Standard seat.....	3-8
Air seat "DELUXE" model	3-9
Air seat "PREMIUM" model	3-11
Seat belt	3-14

INSTRUCTOR'S SEAT

Instructor's seat.....	3-15
------------------------	------

FORWARD CONTROLS

Instrument panel.....	3-16
Front controls	3-21

2 - SAFETY INFORMATION

Safety rules and signal word definitions

Personal safety



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible death or injury.

Throughout this manual and on machine decals, you will find the signal words DANGER, WARNING, and CAUTION followed by special instructions. These precautions are intended for the personal safety of you and those working with you.

Read and understand all the safety messages in this manual before you operate or service the machine.

! DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury. The color associated with DANGER is RED.

! WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury. The color associated with WARNING is ORANGE.

! CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. The color associated with CAUTION is YELLOW.

FAILURE TO FOLLOW DANGER, WARNING, AND CAUTION MESSAGES COULD RESULT IN DEATH OR SERIOUS INJURY.

Machine safety

NOTICE: Notice indicates a situation which, if not avoided, could result in machine or property damage. The color associated with Notice is BLUE.

Throughout this manual you will find the signal word Notice followed by special instructions to prevent machine or property damage. The word Notice is used to address practices not related to personal safety.

Information

NOTE: Note indicates additional information which clarifies steps, procedures, or other information in this manual.

Throughout this manual you will find the word Note followed by additional information about a step, procedure, or other information in the manual. The word Note is not intended to address personal safety or property damage.

ROAD TRANSPORT

Transporting the machine	5-1
--------------------------------	-----

RECOVERY TRANSPORT

Towing the tractor	5-1
--------------------------	-----

6 WORKING OPERATIONS

2WD or 4WD

Four-wheel drive with electro-hydraulic control	6-1
---	-----

DIFFERENTIAL LOCK

Differential lock hydraulic control - Operating	6-2
---	-----

REMOTE VALVES

General safety rules	6-3
Operation	6-3
Configurable valves with detent	6-6
Single/double action hydraulic valves	6-10

POWER TAKE OFF (PTO)

Safety rules	6-11
General	6-12
Operating Instructions	6-13

ELECTRONICALLY CONTROLLED HYDRAULIC LIFT

Safety precautions	6-16
Header/Attachment height system - Operating	6-17
Operating Instructions	6-22

THREE POINT HITCH

Three-point linkage	6-27
Three-point linkage	6-30
Additional equipment attachment points	6-33

TOWBAR

Safety rules	6-34
Swinging drawbar	6-34

MAXIMUM PERMITTED LOADS

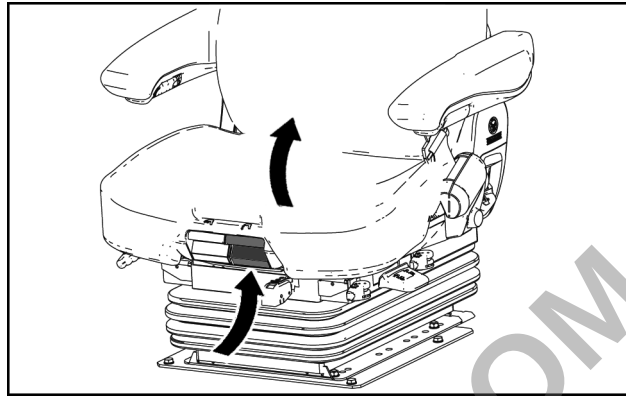
Front and rear axle	6-35
---------------------------	------

WHEELS AND TIRES

Wheels and tires	6-37
------------------------	------

Seat pan angle adjustment

The angle of the seat pan can be individually adjusted. To adjust the angle of the seat pan, lift the lever indicated by the arrow. By exerting pressure on or off the seat pan it can be moved to the desired angle position.



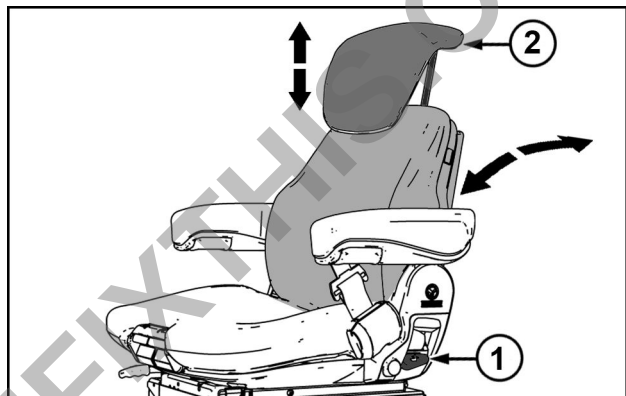
DCAPLT5NE024S3A 4

Backrest adjustment

Pull up the locking lever (1) to release the backrest catch. When releasing the backrest catch, do not apply load to the backrest by pressing against it. By exerting pressure on or off the backrest it can be moved to the desired tilt. Release the locking lever to lock the backrest.

NOTE: It should not be possible to move the backrest into another position after it has been locked.

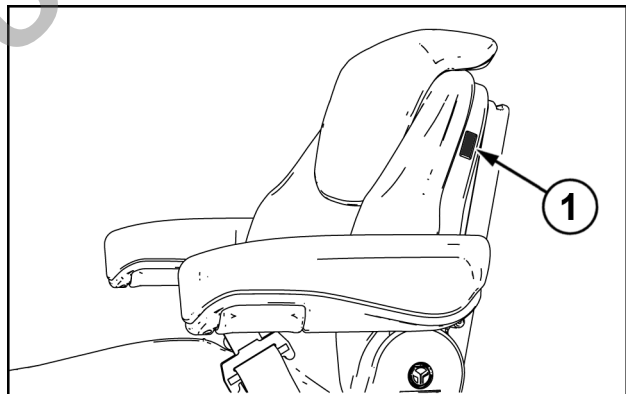
The extension of the backrest (2) can be height adjusted by pulling it upwards or pushing it downwards.



DCAPLT5NE083S3A 5

Seat heating

Use the switch (1) to turn the seat heating on or off.



DCAPLT5NE084S3A 6

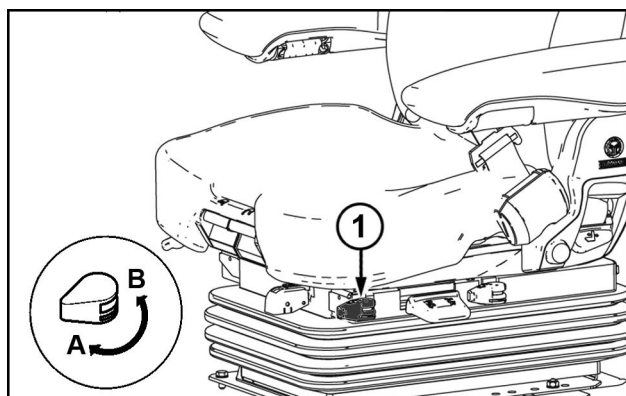
Fore/ aft isolator

Under certain driving conditions (for example with a trailer attached), it is useful to activate the fore/aft isolator (1). This means that shock impacts in the driving direction can be better absorbed by the driver seat.

Position (A) isolator on

Position (B) isolator off

NOTE: After the adjustment of position (B), the locking lever must latch into the desired position. For that, the seat must be pressed to move the fore/ aft isolator with an audible click. It should not be possible to move the fore/ aft isolator into another position when it is locked.

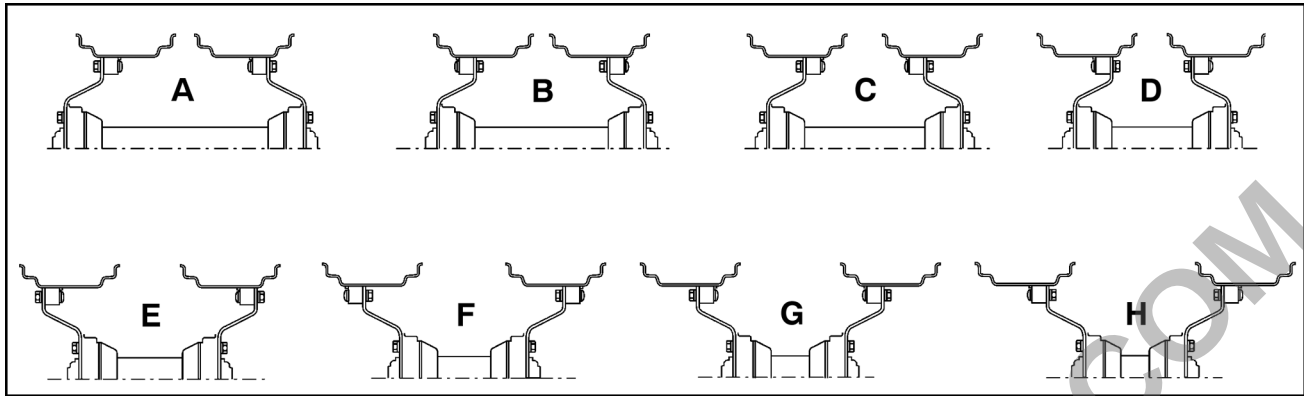


DCAPLT5NE029S3A 7

REVERSE SPEED

REDUCER	RANGE	GEAR	REAR TIRES									
			16.9 R 30		18.4 R 30		16.9 R 34 13.6 R 38		14.9 R 38 18.4 R 34		16.9 R 38	
			• km/h	• mph	• km/h	• mph	• km/h	• mph	• km/h	• mph	• km/h	• mph
	I	1	0.27	0.17	0.28	0.17	0.29	0.18	0.30	0.19	0.29	0.18
		2	0.40	0.25	0.41	0.25	0.43	0.27	0.44	0.27	0.44	0.27
		3	0.59	0.37	0.61	0.38	0.64	0.40	0.66	0.41	0.65	0.40
		4	0.87	0.54	0.90	0.56	0.94	0.58	0.97	0.60	0.96	0.60
	II	1	0.63	0.39	0.65	0.40	0.67	0.42	0.70	0.43	0.69	0.43
		2	0.94	0.58	0.97	0.60	1.01	0.63	1.04	0.65	1.03	0.64
		3	1.39	0.86	1.44	0.89	1.49	0.93	1.54	0.96	1.53	0.95
		4	2.04	1.27	2.12	1.32	2.19	1.36	2.26	1.40	2.24	1.39
	I	1	1.97	1.22	2.04	1.27	2.11	1.31	2.18	1.35	2.16	1.34
		2	2.93	1.82	3.04	1.89	3.14	1.95	3.25	2.02	3.22	2.00
		3	4.34	2.70	4.50	2.80	4.65	2.89	4.81	2.99	4.76	2.96
		4	6.37	3.96	6.60	4.10	6.83	4.24	7.06	4.39	6.99	4.34
	II	1	4.60	2.86	4.77	2.96	4.93	3.06	5.10	3.17	5.05	3.14
		2	6.85	4.26	7.10	4.41	7.34	4.56	7.59	4.72	7.52	4.67
		3	10.15	6.31	10.51	6.53	10.87	6.75	11.23	6.98	11.13	6.92
		4	14.89	9.25	15.43	9.59	15.96	9.92	16.49	10.25	16.34	10.15
	III	1	10.85	6.74	11.23	6.98	11.62	7.22	12.01	7.46	11.09	6.89
		2	16.14	10.03	16.72	10.39	17.29	10.74	17.87	11.10	17.71	11.00
		3	23.89	14.84	24.74	15.37	25.60	15.91	26.45	16.44	26.21	16.29
		4	35.07	21.79	36.32	22.57	37.58	23.35	38.83	24.13	38.48	23.91

Tire combinations and tread positions



DCUTDNEGB100S3F 1

RADIAL R1 tires with adjustable rim

Tire		A	B	C	D	E	F	G	H
F	11.2 R 24 — 280/85 R 24	1546 mm (60.87 in)	1648 mm (64.88 in)	1650 mm (64.96 in)	1752 mm (68.98 in)	1846 mm (72.68 in)	1948 mm (76.69 in)	1950 mm (76.77 in)	2052 mm (80.79 in)
R	16.9 R 30 — 420/85 R 30	—	—	1630 mm (64.17 in)	1734 mm (68.27 in)	1826 mm (71.89 in)	1930 mm (75.98 in)	2030 mm (79.92 in)	2134 mm (84.02 in)

Tire		A	B	C	D	E	F	G	H
F	12.4 R 24 — 320/85 R 24	1546 mm (60.87 in)	1648 mm (64.88 in)	1650 mm (64.96 in)	1752 mm (68.98 in)	1846 mm (72.68 in)	1948 mm (76.69 in)	1950 mm (76.77 in)	2052 mm (80.79 in)
R	18.4 R 30 — 460/85 R 30	—	—	1630 mm (64.17 in)	1734 mm (68.27 in)	1826 mm (71.89 in)	1930 mm (75.98 in)	2030 mm (79.92 in)	2134 mm (84.02 in)

Tire		A	B	C	D	E	F	G	H
F	11.2 R 28 — 280/85 R 28	1446 mm (56.93 in)	1550 mm (61.02 in)	1650 mm (64.96 in)	1754 mm (69.06 in)	1846 mm (72.68 in)	1950 mm (76.77 in)	2050 mm (80.71 in)	2154 mm (84.80 in)
R	13.6 R 38 — 340/85 R 38	—	1534 mm (60.39 in)	1630 mm (64.17 in)	1738 mm (68.43 in)	1826 mm (71.89 in)	1934 mm (76.14 in)	2030 mm (79.92 in)	2138 mm (84.17 in)

Tire		A	B	C	D	E	F	G	H
F	13.6 R 24 — 340/85 R 24	1546 mm (60.87 in)	1648 mm (64.88 in)	1650 mm (64.96 in)	1752 mm (68.98 in)	1846 mm (72.68 in)	1948 mm (76.69 in)	1950 mm (76.77 in)	2052 mm (80.79 in)
R	14.9 R 38 — 380/85 R 38	—	1534 mm (60.39 in)	1630 mm (64.17 in)	1738 mm (68.43 in)	1826 mm (71.89 in)	1934 mm (76.14 in)	2030 mm (79.92 in)	2138 mm (84.17 in)

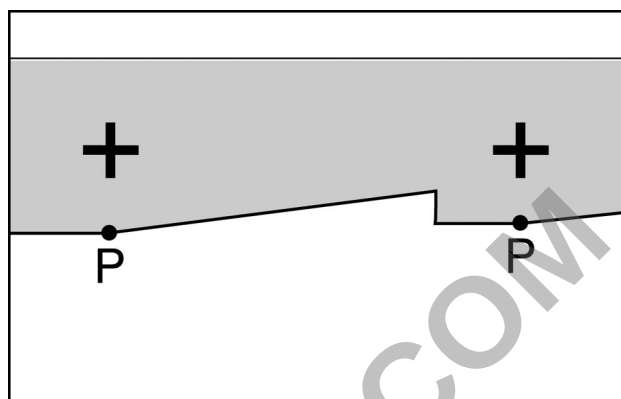
Tire		A	B	C	D	E	F	G	H
F	13.6 R 24 — 340/85 R 24	1546 mm (60.87 in)	1648 mm (64.88 in)	1650 mm (64.96 in)	1752 mm (68.98 in)	1846 mm (72.68 in)	1948 mm (76.69 in)	1950 mm (76.77 in)	2052 mm (80.79 in)
R	16.9 R 34 — 420/85 R 34	—	—	1630 mm (64.17 in)	1736 mm (68.35 in)	1826 mm (71.89 in)	1932 mm (76.06 in)	2030 mm (79.92 in)	2136 mm (84.09 in)

Tire		A	B	C	D	E	F	G	H
F	14.9 R 24 — 380/85 R 24	1546 mm (60.87 in)	1648 mm (64.88 in)	1650 mm (64.96 in)	1752 mm (68.98 in)	1846 mm (72.68 in)	1948 mm (76.69 in)	1950 mm (76.77 in)	2052 mm (80.79 in)
R	18.4 R 34 — 460/85 R 34	—	—	1630 mm (64.17 in)	1736 mm (68.35 in)	1826 mm (71.89 in)	1932 mm (76.06 in)	2030 mm (79.92 in)	2136 mm (84.09 in)

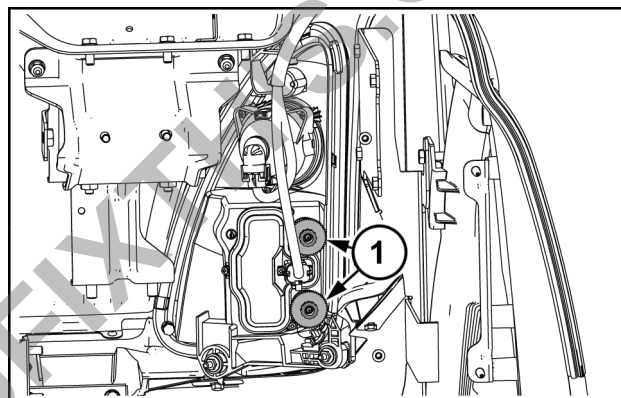
Tire		A	B	C	D	E	F	G	H
F	14.9 R 24 — 380/85 R 24	1546 mm (60.87 in)	1648 mm (64.88 in)	1650 mm (64.96 in)	1752 mm (68.98 in)	1846 mm (72.68 in)	1948 mm (76.69 in)	1950 mm (76.77 in)	2052 mm (80.79 in)
R	16.9 R 38 — 420/85 R 38	—	—	1630 mm (64.17 in)	1738 mm (68.43 in)	1826 mm (71.89 in)	1934 mm (76.14 in)	2030 mm (79.92 in)	2138 mm (84.17 in)

Light adjustments

1. Adjust the headlights as follows:
 - Park the unloaded tractor and inflate the tyres to the specified pressure on level ground in front of, if possible, a shaded white wall.
 - Mark two crosses on the wall corresponding to the middle of the headlamps.
 - Reverse the tractor by approximately **5 m (16.4 ft)** and turn the dipped beam on.
 - Points **P** should be **5 cm (2 in)** below the crosses.
 - To adjust the beams, turn the ring nuts **(1)** inside the cowling.



DCAPLT5NE048S4A 1

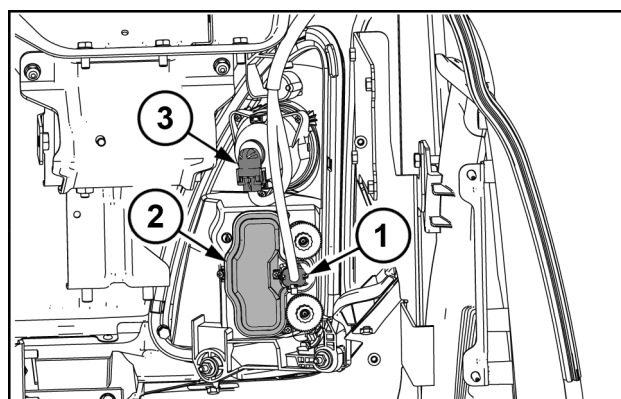


DCAPLT5NE048S7A 2

Hood lamp replacement

NOTE: When handling halogen bulbs, only touch the metal parts, never the bulb. If the bulb comes into contact with your fingers, the intensity of the light emitted will be reduced, adversely affecting its service life. In the event of contact, clean the bulb with a cloth soaked in alcohol and leave to dry.

1. Replace blown main/dipped beam bulbs as follows:
 - Raise the bonnet
 - Detach the connector **(1)**
 - Remove the guard on the lamp holder **(2)** and change the blown bulb inside with a new one of the same power.
2. Replace blown swivel work lights bulbs as follows:
 - Detach the connector **(3)**.
 - Turn the bulb clockwise, extract it and change it with a new one of the same power.



DCAPLT5NE048S7A 1

PREVIEW ONLY

You're viewing 12 of 258 pages

The full manual includes:

- All 258 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

New Holland T5.95, T5.105, T5.115 Operator Manual



Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual