ORIGINAL INSTRUCTIONS

OPERATOR'S MANUAL

T4.85
T4.95
T4.105
T4.115

Tractor

Part number 47604535
1st edition English
March 2014

MidWestTech | New Holland T4.85, T4.95, T4.105, T4.115 Tractor Operator's Manual | Publication 47604535

Order the manual at mid-west-tech.com >

Contents

1 GENERAL INFORMATION

Note to the Owner 1-1
Proposition 65 1-3
Electro-magnetic interference (EMC) 1-3
International symbols 1-4
Introduction 1-6
Operator's manual storage 1-7
Tractor intended use 1-8
Component Identification 1-10

2 SAFETY INFORMATION

Safety rules and signal word definitions and signal word definitions 2-1
Safety rules - General information 2-2
Safety rules - Maintenance 2-2
Safety rules - Wheels and tires 2-3
Safety rules - Explosions and fires 2-4
Safety rules - Fire extinguisher 2-4
Safety rules - Battery 2-5
Safety rules - Passenger seat 2-5
Safety rules - Power Take-Off (PTO) 2-5
Safety rules - Seat belts 2-6
Safety rules - Operator protective structure 2-6
Safety rules - HVAC system 2-8
Safety rules - Personal Protective Equipment (PPE) 2-8
Safety rules - "Do not use" sign 2-8
Safety rules - Hazardous chemicals 2-8
Safety rules - Near utilities 2-9
Safety rules - In the event of electrical storms 2-9
Safety rules - Getting on and off the machine 2-9
Safety rules - Lifting and overhead loads 2-10
Ecology and the environment 2-11
Machine stability 2-12
Towing the tractor for recovery 2-14
Tractor jacking points 2-15
Burn prevention 2-16
Getting in and out of the machine 2-17
Safety signs 2-18

3 CONTROLS AND INSTRUMENTS

ACCESS TO OPERATOR'S PLATFORM

General information 3-1
Cab 3-2

MidWestTech | New Holland T4.85, T4.95, T4.105, T4.115 Tractor Operator's Manual |... Order the manual at mid-west-tech.com >

OPERATOR'S SEAT
Mechanically-adjusted operator seat - Adjust 3-6
Pneumatically-adjusted operator seat - Adjust 3-7
Seat belt 3-9

INSTRUCTOR'S SEAT
Instructional seat - Localisation overview 3-10

FORWARD CONTROLS
Instrument cluster 3-11
Console Front console - Localisation overview 3-16

LEFT-HAND SIDE CONTROLS
Cabless version 3-19
Version with cab 3-19

RIGHT-HAND SIDE CONTROLS
Cabless version 3-20
Version with cab 3-21
Version with cab 3-22
Park lock 3-23
Console Right-hand console - Localisation overview 3-24
Heating, ventilation or air-conditioning control 3-25

EXTERIOR CONTROLS
Trailer electrical socket 3-27

DISPLAY SETTINGS
Programmable display 3-28
Adjusting the dashboard/display brightness 3-29
Calibrating speed 3-31
Calibrating tool width 3-33
Programming maintenance work 3-34
Activating/deactivating buzzer 3-36
Setting units of measurement 3-37
Regenerating the diesel particulate filter (DPF) automatically/manually 3-38
Resetting the oil change counter 3-43
Viewing error codes 3-44

4 OPERATING INSTRUCTIONS

COMMISSIONING THE UNIT
Basic operating safety rules 4-1

STARTING THE UNIT
Starting the Engine 4-2

MidWestTech | New Holland T4.85, T4.95, T4.105, T4.115 Tractor Operator's Manual |... Order the manual at mid-west-tech.com >

STOPPING THE UNIT
Stopping the engine 4-5

MOVING THE UNIT
Machine movement start-up 4-6
Operating in cold temperatures 4-7
Low idle speed management 4-8
Transmission operation 4-9

5 TRANSPORT OPERATIONS
ROAD TRANSPORT
Transporting the machine 5-1

RECOVERY TRANSPORT
Towing the tractor 5-2

6 WORKING OPERATIONS
FOUR WHEEL DRIVE (4WD)
Four-wheel drive with mechanical engagement 6-1
Four-wheel drive with electro-hydraulic control 6-2

DIFFERENTIAL LOCK
Mechanical differential lock 6-3

REMOTE CONTROL VALVES
Safety rules 6-4
Rear remote control valve(s) 6-5
Single/double action hydraulic valves 6-7

REAR POWER TAKE-OFF (PTO)
Safety rules 6-8
Power Take-Off (PTO) specifications 6-9
Spline output shaft replacement 6-9
Electrohydraulically controlled power take-off 6-10
Mechanically controlled power take-off 6-11
Power take-off speeds 6-12

REAR HYDRAULIC LIFT
Hydraulic lift with mechanical control 6-13
Hydraulic lift with electronic control 6-15

REAR 3-POINT HITCH
Three-point hitch adjustments 6-21

MidWestTech | New Holland T4.85, T4.95, T4.105, T4.115 Tractor Operator's Manual |... Order the manual at mid-west-tech.com >

Pedals

1 Clutch pedal.

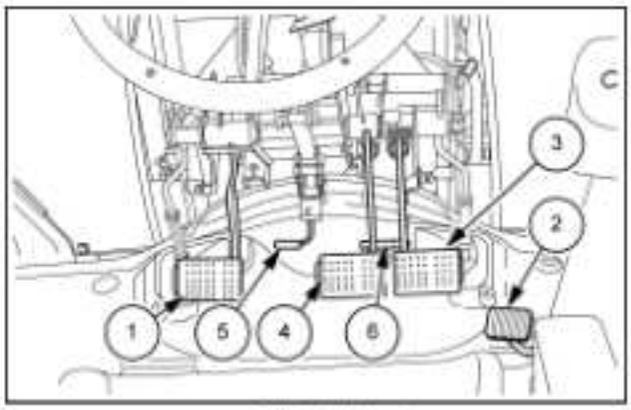
2 Foot throttle

3 Right brake control pedal.

4 Left brake control pedal.

5 Steering wheel position adjustment lever. (if fitted)

6 Brake pedal latching pin.



DC1ITLA0T32003A 0

Clutch pedal

When the clutch pedal **(1)** is pressed on models with mechanical transmissions, drive is disengaged and the gear ratio, range and forward or reverse travel can be selected. On models fitted with the Power Shuttle, the pedal is used to gradually transfer engine power to the driving wheel when starting to move from a standstill.

NOTE: *To avoid unnecessary clutch wear, do not rest your foot on the pedal. Before starting the engine, fully press down the clutch pedal* ***(1)****.*

Foot throttle

The foot throttle **(2)** may be used independently of the hand throttle to control the speed of the tractor. It is advised to use the accelerator pedal when driving on roads.

NOTICE: *When the foot throttle is released, engine speed will reduce to the level set on the hand throttle. When using the foot throttle, set the hand throttle onto the idle speed position (lever fully back).*

Brake pedals

The brakes are controlled by pedals **(3)** and **(4)**; they can also be separately controlled, in order to facilitate turning in tight spaces, or coupled for normal tractor braking.
When travelling on the road and towing trailers with hydraulically operated brakes, always join the brake pedals together using the pin **(6)**, as shown in the figure.

Steering wheel adjustment

The steering wheel is fitted with a pedal to adjust the angle. Press the pedal **(5)** to free the steering wheel and determine the most suitable position for driving. Release the pedal after making the adjustment.

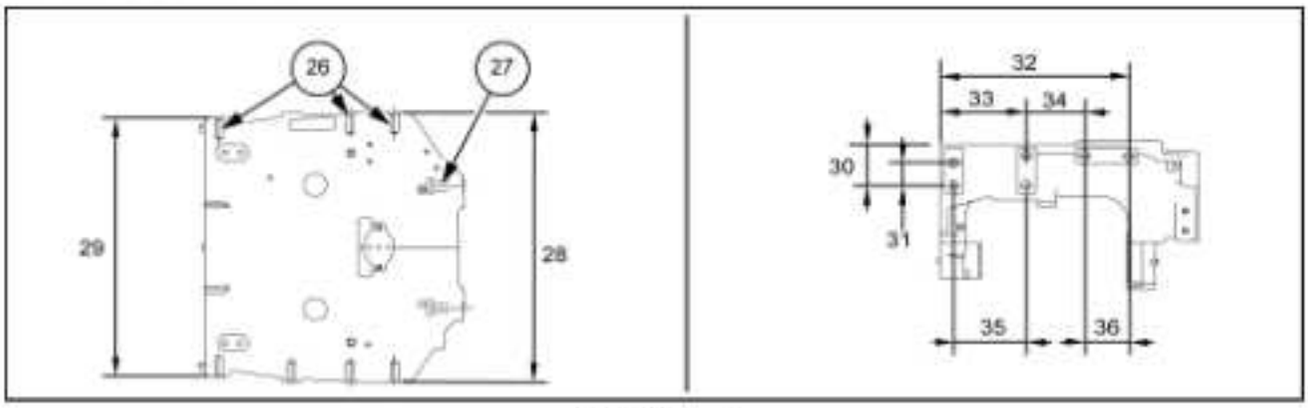
NOTICE: *The position of the steering wheel must only be adjusted when the tractor is at a standstill.*

MidWestTech | New Holland T4.85, T4.95, T4.105, T4.115 Tractor Operator's Manual |... Order the manual at mid-west-tech.com >

Maintenance action	Check	Filling	Adjust	Cleaning	Drain fluid	Change fluid	Grease	Test	Replace	Tighten	Page no.
Dry air filter - External cartridge				■							7-28
Hydraulic oil tank	■										7-28
Front axle (4WD) oil level	■										7-29
4WD front axle final drives							■				7-29
4WD front axles stub							■				7-29
Every 600 hours											
Change engine oil and filter						■					7-30
Replacing the fuel filters						■					7-31
Fuel prefilter				■							7-31
Wheel bolt torque					■						7-32
Every 1200 hours or annually											
Rear wheel hub							■				7-33
Replacing cab air filters						■					7-34
Replacing air filters						■					7-34
Fuel tank drain					■						7-34
Blow-by filter						■					7-35
Every 1200 hours or two years											
Front axle (4WD) oil replace										■	7-36
Replacing front axle final drive oil										■	7-36
Replacing transmission oil										■	7-36
Change the engine coolant fluid - Conventional type coolant										■	7-38
Every 3600 hours											
Change the engine coolant fluid - OAT type coolant										■	7-40
Diesel particulate filter (DPF)	■										7-42
ELECTRICAL SYSTEM											
Battery service	■										7-43
Fuses and relay box									■		7-45
Fuse and relay locations									■		7-47
Light adjustments			■								7-57
Hood lamp replacement									■		7-58

MidWestTech | New Holland T4.85, T4.95, T4.105, T4.115 Tractor Operator's Manual |... Order the manual at mid-west-tech.com >

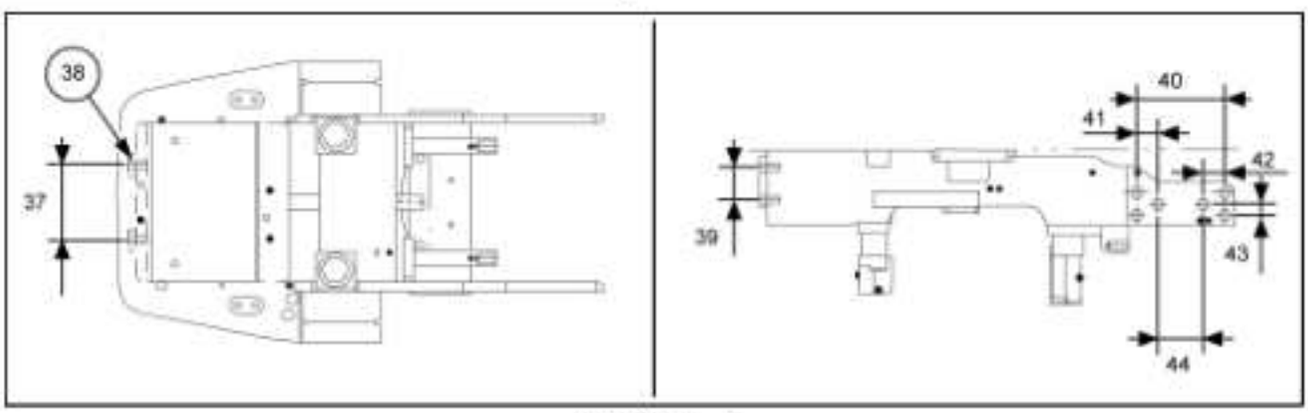
Alternative solutions



MD6137R02964EB 2

Reference	Dimension
28	668.0 mm (26.3 in)
29	640.0 mm (25.2 in)
30	104.0 mm (4.1 in)
31	59.0 mm (2.3 in)
32	470.0 mm (18.5 in)
33	215.0 mm (8.5 in)
34	144.5 mm (5.7 in)
35	180.0 mm (7.1 in)
36	110.0 mm (4.3 in)

Holes	Diameter	Depth
26	M 20 x 2.5	41.0 mm (1.6 in)
27	M 20 x 1.5	44.0 mm (1.7 in)



MD6137R02965EB 3

Reference	Dimension
37	174.0 mm (6.9 in)
39	75.0 mm (3.0 in)
40	203.0 mm (8.0 in)
41	50.0 mm (2.0 in)
42	50.0 mm (2.0 in)
43	25.0 mm (1.0 in)
44	103.0 mm (4.1 in)

Holes	Diameter	Depth
38	M 20 x 2.5	42.0 mm (1.7 in)

MidWestTech | New Holland T4.85, T4.95, T4.105, T4.115 Tractor Operator's Manual |... Order the manual at mid-west-tech.com >