OPERATOR'S MANUAL

TN65F
TN75F
TN90F

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CONTENTS

Page

General information

To the user iii

Tractor identification iv

Important ecological considerations vi

Always work safely vii

Working safely viii

Safety decals xiv

Standardised symbols xviii

Noise level information xix

Section 1

General notes, commands and instruments 1-1

Safety covers and guards 1-2

Controls and instruments 1-4

Section 2

Operation 2-1

Before using the tractor 2-1

Analogue instrument panel 2-5

Digital instrument panel 2-6

Transmission with range gear and mechanical shuttle
18.64/24.85 mph (30/40 km/h) (16 fwd + 16 rev) 2-17

Transmission with creeper and mechanical shuttle
18.64/24.85 mph (30/40 km/h) (28 fwd + 16 rev) 2-21

Transmission with creeper, mechanical shuttle
and splitter 18.64/24.85 mph (30/40 km/h) (32 fwd + 16 rev) 2-23

Transmission with creeper, mechanical shuttle
and splitter 18.64/24.85 mph (30/40 km/h) (44 fwd + 16 rev) 2-25

Transmission with electro-hydraulic hi-lo / Power-Shuttle
18.64/24.85 mph (30/40 km/h) (32 fwd + 16 rev) 2-26

Transmission with hydraulic hi-lo / Power-Shuttle and creeper
18.64/24.85 mph (30/40 km/h) (44 rev + 16 rev) 2-34

Fast mechanical transmissions 24.85 mph (40 km/h)
(4WD models) 2-36

Electronically controlled electro-hydraulic four-wheel drive 2-44

Differential lock 2-48

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Brakes 2-51
Rear power take-off 2-52
Front power take-off 2-57
Mechanically controlled hydraulic lift 2-85
Electronically controlled rear hydraulic lift 2-89
Electronically controlled front hydraulic lift 2-98
Front three-point linkage 2-103
Front three-point linkage 2-105
Towing equipment 2-110
Rear remote control valves 2-115
Side remote control valves 2-117
Track adjustment 2-121
Tyres 2-127
Ballasting 2-136
Steering wheel adjustment 2-139
Seat adjustment 2-139
Cab with heating and ventilation 2-141
Air conditioned cab 2-148

Section 3

Lubrication and maintenance 3-1
Introduction 3-1
Tractor refuelling 3-2
Access for inspection and maintenance 3-4
Lubrication and maintenance table 3-5
Flexible maintenance 3-7
When the indicator light illuminates on the dashboard 3-10
Every 10 hours of work 3-12
Every 50 hours of work 3-15
Every 300 hours of work 3-19
Every 900 hours of work 3-24
Every 1200 hours of work or every year 3-25
Every 1200 hours or every 2 years 3-26
General maintenance 3-30

Section 4

Troubleshooting 4-1

Section 5

Specifications and Data 5-1

Section 6

Alphabetical index 6-1

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CAUTION: *When starting the engine after extended periods of non-use, avoid using the hydraulic system immediately. as all the moving parts need to be lubricated properly before they are subjected to full load.*
Especially when the external temperature approaches 32°F (0°C), run the engine at 1300 to 1500 rpm for approximately 5 minutes in order to heat the oil in the rear transmission to working temperature.

CAUTION: *On the TN90F model, before accelerating or starting the tractor, allow the engine to idle at 1000 rpm for 30 seconds to ensure that the turbocharger is correctly lubricated.*

CAUTION: *If one of the warning lights illuminates to signal a fault, check and repair the faulty part.*
If the warning light continues to signal a fault, have the machine checked by your New Holland dealer.

CAUTION: *With outside temperatures below 32°F (0°C), in order to prevent separation of the paraffin components in the diesel fuel, leading to a reduction in fluidity and subsequent fuel supply problems (especially when starting the engine),* ***mix the diesel fuel with the antifreeze*** *(or a similar product) in the proportions described on the container.*

The antifreeze must be mixed with the diesel fuel before there is any sign of paraffin separation; adding it later will have no effect on an engine if the cold has already caused the engine to stop running or prevent it being started.

Put the antifreeze in the tank first, followed by the diesel fuel.

The antifreeze will guarantee optimum fuel supply to the engine, without reducing performance, even at outside temperatures of below -4°F (-20°C).

STARTING THE TRACTOR

— Press the transmission clutch pedal and move the gear lever and range lever to the desired position (see pages 2-17 and 2-18).

— Accelerate the engine.

— Lower the handbrake and engage the clutch, slowly releasing the pedal.

STOPPING THE TRACTOR

— Reduce engine speed.

— Press the transmission clutch pedal and apply the brakes.

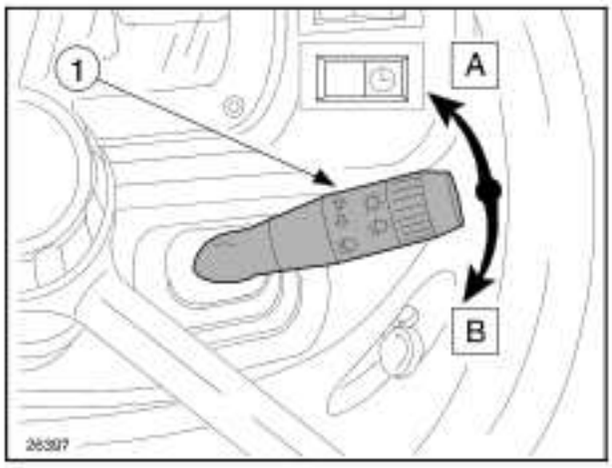
When the tractor is stationary, move the main shift and range gear levers to neutral, release the clutch pedal and engage the handbrake.

STOPPING THE ENGINE

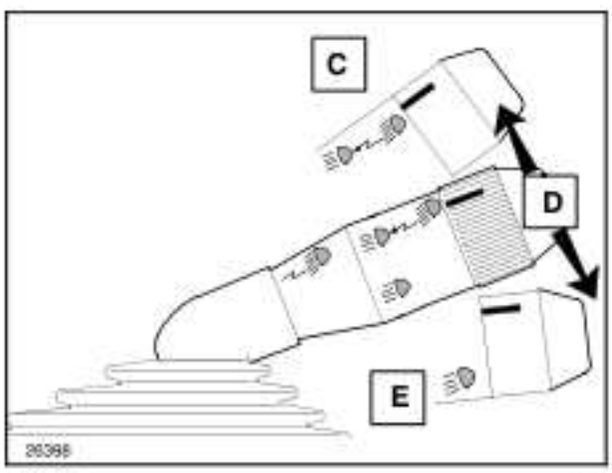
CAUTION: *On the TN90F model, before stopping the engine, allow it to idle at 1000 rpm for at least 3 minutes.*

— Turn the starter key to the **STOP** position (**A** fig. 1, page 2-3).

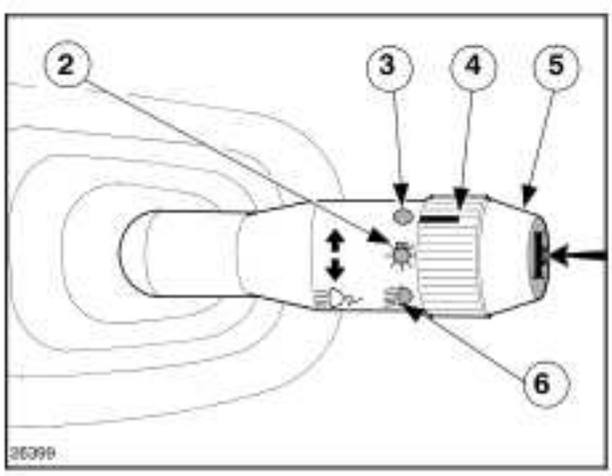
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23



24



25

LIGHT CONTROL LEVER

The light control lever controls the direction indicators, headlight full beam flasher and the switch from full beam to dipped headlights on the tractor front lights.

Direction indicators.

To indicate a left-hand turn, push the lever (**1**) fig. 23 forwards to position **A**.
To indicate a right-hand turn, pull the lever back to position **B** fig. 23.
When the direction indicators are ON, indicator lights (**1**) or (**11**) fig. 5, page 2-7 on the control panel.

Flashing front headlights.

With the lights OFF or dipped, push the lever upwards to position **C** fig. 24 to flash the full beam lights. When released, the lever will automatically return to the original position **D**.

NOTE: *The light selector knob (**5**) fig.25 operates when the starter switch is in position **B** fig. 1, page 2-3.*

Side lights.

With lever (**1**) in position **D** turn the index mark (**4**) on the knob (**5**) until it coincides with symbol (**2**). The side lights and the control panel will illuminate.

Dipped beam headlights.

With lever (**1**) in position **D** turn the index mark (**4**) on the knob (**5**) until it coincides with symbol (**6**).

Full beam headlamps

With the lights ON, push the lever (**1**) down to position **E** until the lever stops (**1**).

Horn.

Press the horn button (**5**) fig. 25, as indicated in the drawing.

NOTE: *With index mark (**4**) coinciding with symbol (**3**) all of the lights are off. Only the direction indicators and horn remain operative.*

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Hours of work		Maintenance operation	Functional check	Fill-up level	Cleaning	Greasing	Adjustment	Replacement	Page
Every 300 hours	24	Oil change, engine sump						●	3-19
	25	Battery	●	●					3-19
	26	Fuel filter						●	3-19
	25	Fuel pump filter			●				3-20
	26	Transmission oil filter and services						●	3-20
	27	HI-LO/POWER-SHUTTLE oil filter						●	3-20
	28	Engine oil filter						●	3-21
	29	Air filter (external cartridge) models TN65F-TN75F			●				3-21
	30	Air filter (external cartridge) models TN90F			●				3-21
	31	Transmission and lift	●	●					3-22
	32	4WD front axle housing	●	●					3-22
	33	Transmission handbrake	●				●		3-22
	34	4WD front axle hubs	●	●					3-23
	35	Front wheels 2WD				●			3-23
	36	4WD front stub axle hubs				●			3-23
Every 900 hours	37	Engine valves	●				●		3-24
Every 1200 hours or every year	38	Cab air filters						●	3-25
	39	Air filter (internal and external cartridges)						●	3-25
	40	Fuel tank			●				3-25
Every 1200 hours or every 2 years	41	Injectors	●				●		3-26
	42	4WD front axle housing oil						●	3-26
	43	4WD front axle lateral hubs oil						●	3-26
	44	Engine cooling system						●	3-27
	45	Transmission and lift oil						●	3-29
General maintenance	Bleed fuel system								3-30
	Bleed brake system 2WD models								3-31
	Bleed brake system 4WD models with front brakes								3-32
	Electrical system								3-34
	Notes on bodywork maintenance								3-54
	Tractor storage								3-55

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