

# SERVICE MANUAL

**T4020V / T4030V / T4040V / T4050V / T4060V  
T4030N / T4040N / T4050N / T4060N**

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**1<sup>st</sup> Service Manual Update mod. T4020V - T4030V - T4030N - T4040V - T4040N - T4050V - T4050N - Print No. 84150905B**

### INTRODUCTORY NOTE

**This booklet completes the Repair Manual for the models T4020V - T4030V - T4030N - T4040V - T4040N - T4050V - T4050N with the inclusion of the new models T4060V and T4060N.**

**It is necessary to consider that for the models T4060V and T4060N it is necessary to refer to models T4050V and T4060N unless otherwise specified such as for example for the engine assembly (sect. 10, Ch. 1 pages 1 to 4).**

### IMPORTANT NOTES

**These pages replace the corresponding pages in the Manual of mod. T4020V - T4030V - T4030N - T4040V - T4040N - T4050V - T4050N:**

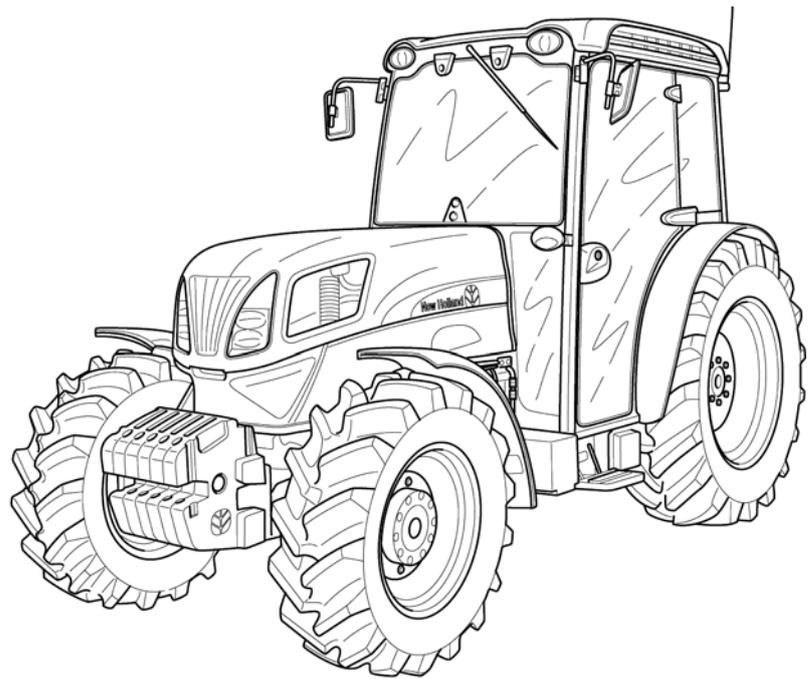
- Content, pages 3, 4, 5, 6, 7, 8, 9 and 10.
- Sect. 00 Chap. 1, pages 5 and 6.
- Sect. 10 Chap. 1, pages 1, 2, 3 and 4
- Sect. 33 Chap. 1, pages 1 and 2
- Sect. 55 Chap. 1, pages 1 and 2
- Sect. 55 Chap. 6, pages 1 and 2
- Sect. 55 Chap. 7, pages 1 and 2
- Sect. 55 Chap. 8, pages 1 and 2
- Sect. 55 Chap. 9, pages 1 and 2

### IMPORTANT NOTES

**The following pages are newly issued:**

- Sect. 33 Chap. 1, pages 21, 22, 23 and 24.
- Sect. 35 Chap. 6, pages 1 to 38.
- Sect. 35 Chap. 7, pages 1 to 8.
- Sect. 55 Chap. 1, pages 19, 20, 21 and 22
- Sect. 55 Chap. 6, pages 445 to 774
- Sect. 55 Chap. 7, pages 217 to 348,
- Sect. 55 Chap. 8, pages 101 to 146,
- Sect. 55 Chap. 9, pages 141 to 142,





# T4020V - T4030V - T4030N - T4040V - T4040N - T4050V - T4050N - T4060V - T4060N TRACTORS SERVICE MANUAL

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T E C H N I C A L S U P P O R T

## **INTRODUCTORY NOTES**

- ◇ *This manual is divided into sections identified by two-figure numbers and each section has independent page numbering.  
For easy reference, these sections have the same numbers and names as the Repairs Rate Book sections.*
- ◇ *The different sections can easily be found by consulting the table of contents on the following pages.*
- ◇ *The document number of the manual and the edition/update dates are given at the bottom of each page.*
- ◇ *Pages updated in the future will be identified by the same document number followed by an additional digit: first edition standard manual 84150905A - 1st update 84150905A1 - 2nd update 84150905A2 - etc.  
The update pages can replace or supplement the pages of the standard manual; the information necessary for the procedure for adding or replacing pages is given on the title page of the update.  
The publication will be completed with an appropriate index.  
If it is necessary to issue a new updated manual (2nd edition) it will have document number 84150905AB, this indicates that the manual is composed of the standard version 84150899A completed with all the updates: 1st update 84150905A1 - 2nd update 84150905A2 - etc.*
- ◇ *The information contained in this manual was current on the date printed on each section. As NEW HOLLAND constantly improves its product range, some information may be out of date subsequent to modifications implemented for technical or commercial reasons, or to meet legal requirements in different countries.  
In the event of conflicting information, consult the NEW HOLLAND Sales and Service Departments.*

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### **INTRODUCTORY NOTE**

**This booklet completes the Repair Manual for the models T4020V - T4030V - T4030N - T4040V - T4040N - T4050V - T4050N with the inclusion of the new models T4060V and T4060N.**

**It is necessary to consider that for the models T4060V and T4060N it is necessary to refer to models T4050V and T4060N unless otherwise specified such as for example for the engine assembly (sect. 10, Ch. 1 pages 1 to 4).**



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Content .....	1	02-12	Removal - Installation ...	4-5-6-7- 8-9-10-11	10-08
<b>CHAPTER 9 - Error codes</b>			Dashboard .....	12	10-08
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<b>CHAPTER 10 - HH Menu and calibrations</b>			Cab assembly with plat- form. Removal - Installa- tion .....	14-15-16- 17-18-19- 20-21-22	10-08
Content .....	1	10-08	Windows. Replace .....	23-24	10-08
<b>90 - PLATFORM, CAB, BODYWORK</b>			Right/left-hand upright seals. Removal - Installa- tion .....	25	10-08
<b>CHAPTER 1 - Cab</b>			Cab ceiling fittings. Removal - Installation ...	26	10-08
Bonnet. Removal - In- stallation .....	2	10-08			
Instrument panel lower guard. Removal - Installa- tion .....	3	10-08			

## START UP

- Never run the engine in confined spaces that are not equipped with adequate ventilation for exhaust gas extraction.
- Never place the head, body, limbs, feet, hands or fingers near fans or rotating belts.

## ENGINE

- Always loosen the radiator cap slowly before removing it to allow any remaining pressure in the system to be discharged. Filling up with coolant should only be carried out with the engine stopped or idling (if hot).
- Never fill up with fuel when the engine is running, especially if hot, in order to prevent the outbreak of fire as a result of fuel spillage.
- Never check or adjust fan belt tension when the engine is running.  
Never adjust the fuel injection pump when the vehicle is moving.
- Never lubricate the vehicle when the engine is running.

## ELECTRICAL SYSTEMS

- If it is necessary to use auxiliary batteries, remember that both ends of the cables must be connected as follows: (+) with (+) and (-) with (-). Avoid short-circuiting the terminals. GAS RELEASED FROM BATTERIES IS HIGHLY INFLAMMABLE. During charging, leave the battery compartment uncovered to improve ventilation. Never check the battery charge using "jumpers" (metal objects placed on the terminals). Avoid sparks or flames near the battery zone. Do not smoke to prevent explosion hazards.
- Before servicing operations, check for fuel or current leaks: eliminate any eventual leaks before proceeding with work.
- Do not charge batteries in confined spaces: Make sure that there is adequate ventilation in order to prevent accidental explosion hazards as a result of the accumulation of gases released during charging operations.
- Always disconnect the batteries before performing any kind of servicing on the electrical system.

## HYDRAULIC SYSTEMS

- A liquid leaking from a tiny hole may be almost invisible but, at the same time, be powerful enough

to penetrate the skin. Therefore, NEVER USE HANDS TO CHECK FOR LEAKS, but use a piece of cardboard or wood for this purpose. If any liquid penetrates skin tissue, call for medical aid immediately. Failure to treat this condition with correct medical procedure may result in serious infection or dermatosis.

- In order to check the pressure in the system use suitable instruments.

## WHEELS AND TYRES

- Make sure that the tyres are correctly inflated at the pressure specified by the manufacturer. Periodically check the rims and tyres for damage.
- Stand away from (at the side of) the tyre when checking inflation pressure.
- Only check pressure when the vehicle is unloaded and the tyres are cold, to avoid incorrect readings as a result of over-pressure. Do not use parts of recovered wheels as incorrect welding brazing or heating may weaken and eventually cause damage to the wheel.
- Never cut or weld a rim mounted with an inflated tyre.
- To remove the wheels, lock both the front and rear vehicle wheels. After having raised the vehicle, position supports underneath, according to regulations in force.
- Deflate the tyre before removing any object caught in the tyre tread.
- Never inflate tyres using inflammable gases; as this may result in explosions and injury to bystanders.

## REMOVAL AND RE-FITTING

- Lift and handle all heavy parts using suitable hoisting equipment. Make sure that parts are sustained by appropriate hooks and slings. Use the hoisting eyebolts for lifting operations. Extra care should be taken if persons are present near the load to be lifted.
- Handle all parts with care. Do not put your hands or fingers between parts. Wear suitable safety clothing - safety goggles, gloves and shoes.
- Avoid twisting chains or metal cables. Always wear safety gloves when handling cables or chains.

## TRACTOR REFUELLING

COMPONENT TO BE FILLED OR TOPPED UP	QUANTITY dm <sup>3</sup> (litres)	RECOMMENDED NEW HOLLAND PRODUCT	NEW HOLLAND SPECIFICATION	INTERNATIONAL SPECIFICATION
Cooling system:		Water and <b>AMBRA AGRIFLU fluid 50% + 50%</b>	NH 900 A	-
less cab .....	10			
with cab .....	12			
Washer fluid reservoir .....	2	Water and cleaning fluid	-	-
Fuel tank .....	77	Decanted, filtered diesel fuel	-	-
Reduced fuel tank .....	67			
Engine oil sump: T4020V, T4030V, T4040V, T4030N, T4040N	8.5	<b>AMBRA MASTERGOLD HSP</b>	NH 330H (SAE 15W-40) NH 324H (SAE 10W-30)	API CH4 ACEA E7/E5
T4050V, T4050N T4060V, T4060N: .....	9.5			
Brake circuit .....	0.5	<b>AMBRA BRAKE LHM</b> oil	NH 610 A	ISO 7308
With front brakes .....	0.7			
Standard front axle .....	4	<b>AMBRA MULTI G</b> oil	NH 410 B	API GL4 ISO 32/46 SAE 10W-30
axle housing: .....				
Standard front axle ... - final drives (each): .....	0.6	<b>AMBRA HYPOIDE 90</b>	NH 520 A	API GL5 MIL-L-2105 D SAE 80W-90
Super Steer front axle axle housing: .....	2.8	<b>AMBRA MULTI G</b> oil	NH 410 B	API GL4 ISO 32/46 SAE 10W-30
Super Steer front axle - final drives (each):		<b>AMBRA HYPOIDE 90</b>	NH 520 A	API GL5 MIL-L-2105 D SAE 80W-90
with brake .....	1.75			
without brake .....	1.0			
Rear transmission (bevel drive, final drives and brakes), gearbox, hydraulic lift, PTO and hydraulic steering: .....	44	<b>AMBRA MULTI G</b> oil	NH 410 B	API GL4 ISO 32/46 SAE 10W-30
Grease fittings .....	-	<b>AMBRA GR9</b> grease	NH 710 A	NLGI 2

**SECTION 10 - ENGINE****Chapter 1 - Engine (mod. T4050V- T4050N -T4060V and T4060N)****INDEX**

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<b>10 246 14</b>	Bosch injection pump Removal-Installation, timing and air bleeding .....	91
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<b>GENERAL SPECIFICATIONS</b>	
Engine, technical type:	
- mod. T4050V and T4050N - type F4CE9484M*J602 (BOSCH pump)	
- mod. T4060V and T4060N - type F4CE9484L*J603 F4CE9484L*J602 (BOSCH pump)	
Cycle .....	diesel, 4-stroke
Fuel injection .....	Direct
Number of cylinders in line .....	4
Piston diameter .....	104 mm
Piston stroke .....	132 mm
Total displacement .....	4485 cm <sup>3</sup>
Compression ratio .....	17,5:1
Maximum Power Output:	
- mod. T4050V and T4050N - type F4CE9484M*J602 ....	71 kW (97 Hp)
- mod. T4060V and T4060N - type F4CE9484L*J603 F4CE9484L*J602 .....	79 kW (107 Hp)
Maximum power speed .....	2300 rpm
- Maximum torque: mod. T4050V and T4050N - type F4CE9484M*J602 .....	418 Nm
Maximum torque speed .....	1300 rpm
Number of main bearings .....	5
Sump pan .....	structural, cast iron
<b>Lubrication</b> .....	forced, with lobe pump
Pump drive .....	from crankshaft
Engine speed/oil pump speed ratio .....	1:1
Oil filtration .....	mesh screen on oil pick-up and filter cartridge in delivery line
Normal oil pressure with motor warmed-up	
at slow idling .....	1.2 bar
at fast idling .....	3.9 bar

(continued)

(overleaf)

<b>GENERAL SPECIFICATIONS</b>	
<b>Cooling</b> .....	coolant circulation
Radiator .....	4 lines of vertical pipes with copper fins
Fan, attached to the pulley .....	intake, in plastic with 11 blades
Coolant pump .....	centrifugal vane-type
Engine speed/coolant pump speed ratio .....	1:1,977
Coolant thermometer .....	coloured scale divided into three sections
Temperature ranges corresponding to each section:	
- Initial blue section .....	40° to 60 °C
- Middle green section (normal working conditions) .....	60° to 110 °C
- End red section .....	110° to 120 °C
Temperature Control .....	via thermostat valve
- initial opening .....	81 ± 2 °C
<b>Valve Timing</b> .....	overhead valves operated by tappets, rods and rocker arms via the camshaft located in the engine block; the camshaft is driven by the crankshaft using straight-tooth gears
Intake:	
- start: Before T.D.C. ....	10° ± 30'
- end: after B.D.C. ....	10° ± 30'
Exhaust:	
- start: before B.D.C. ....	64°
- end: after T.D.C. ....	26°
Clearance between valves and rocker arms with engine cold:	
- intake .....	0.25 ± 0.05 mm
- exhaust .....	0.50 ± 0.05 mm
<b>Supply</b>	
Air filtering .....	dual cartridge dry air filter, with clogged filter indicator with centrifugal pre-filter and automatic dust ejector
Fuel pump .....	with double diaphragm
Fuel filtration .....	through wire filter in fuel supply pump, and replaceable cartridge on delivery line to injection pump
Minimum fuel flow rate with pump shaft rotating at 1800 rpm .....	127.6 l/h
Cam operated .....	via engine timing

(continued)

(overleaf)

<b>GENERAL SPECIFICATIONS</b>	
BOSCH Injection pump .....	rotating distributor type
All-speed governor, incorporated in pump: BOSCH .....	centrifugal counterweights
Automatic advance regulator, incorporated in pump: BOSCH .....	hydraulic
Turbocharger: - type .....	HOLSET HX25
Injection pump .....	rotating distributor with speed governor and advance variator incorporated
BOSCH pump: - mod. T4050V and T4050N - type F4CE9484M*J602 ....	VE 4/12 F1150-2856537
- mod. T4060V and T4060N - type F4CE9484L*J603 F4CE9484L*J602 .....	VE 4/12 F1150-2856742
Direction of rotation .....	anticlockwise
Injection order .....	1-3-4-2 (for all models)

**MAIN DATA**

BOSCH-type injectors: F4CE9484M*J603 / .. L*J603/ .. L*J602 .....	2856255
Number of nozzle holes .....	6
Nozzle hole diameter mm: F4CE9484M*J603 / ... L*J603/ .. L*J602 .....	0,237
Calibration pressure bar .....	260 to 274

## SECTION 33 - BRAKES

## Chapter 1 - Brakes

## CONTENTS

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	Cross-sectional views .....	4
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	Description and operation .....	7
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<b>33 202 60</b>	Right or left-hand brake. Removal-Installation .....	10
<b>33 202 46</b>	Braking system hydraulic pump. Removal-Installation .....	11
<b>33 110 40</b>	Parking brake. Brake disks Removal-Installation .....	19
<b>33 110 08</b>	Handbrake control. Travel adjustment .....	20
	Parking locking on the transmission. Removal-Installation .....	21

## DATA

Type:	
- service brake .....	with oil bath disk, acting on differential drive shafts
- parking brake .....	with oil bath disks, engaging a gear on the bevel pinion shaft
Control:	
- service brake .....	hydrostatic, with independent pedals (connected by means of a pin)
- parking brake .....	mechanical, by means of a hand lever
Service brake disk material .....	sintered
Parking brake disk material .....	steel
Parking brake mobile sectors material .....	sintered or organic agglomerate

(continued)

## DATA

(cont)

Disk thickness:		
- service brake mod. T4020V, T4030V, T4040V T4050V and T4060V .....	in. (mm)	0.1870 to 0.1929 (4.75 to 4.90)
- service brake mod. T4030N, T4040N, T4050N and T4060N .....	in. (mm)	0.3937 (10)
- wear tolerance mod. T4020V, T4030V, T4040V, T4050V and T4060V .....	in. (mm)	0.1535 (3.9)
- wear tolerance mod. T4030N, T4040N, T4050N and T4060N .....	in. (mm)	0.3385 (8.6)
- parking brake .....	in. (mm)	0.1555 to 0.1771 (3.95 to 4.05)
Parking brake friction disk thickness (mobile sectors):		
- lateral sectors .....	in. (mm)	0.1220 to 0.1338 (3.1 to 3.4)
- intermediate sectors .....	in. (mm)	0.1653 to 0.1771 (4.2 to 4.5)
<b>Hydrostatic control</b>		
Hydraulic pump .....		with 2 master cylinders independently operated by brake pedals
Working pressure .....	psi (bar)	255.2 (17.6)
Control pedal adjustment .....		see page 14
Bleeding air from brake circuits .....		see page 15

## TIGHTENING TORQUES

PARTS TO BE TIGHTENED	Thread	Tightening torque	
		Nm	kgm
Nut securing final drive to rear transmission casing (C <sub>1</sub> , fig.1) ..	-	135 to 149	13.8 to 15.2
Guide bolts for parking brake mobile sector (C <sub>2</sub> ) (*) .....	-	24	2.5
Brake disk return spring retaining bolts (C <sub>3</sub> ) mod. T4020V, T4030V, T4040V, T4050V and T4060V .....	-	10	1
Front final drive - bevel drive casing retaining bolts (C <sub>4</sub> ) mod. T4020V, T4030V, T4040V, T4050V and T4060V .....	-	110	11.2
Bevel drive support retaining bolts (C <sub>5</sub> ) mod. T4020V, T4030V, T4040V, T4050V and T4060V .....	-	25	2.6

(\*) Apply 2 drops of LOCTITE 243 thread lock.

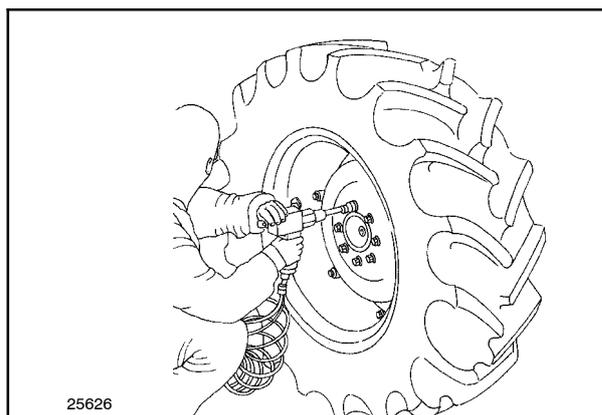
## PARKING LOCKING ON THE TRANSMISSION Removal-Installation

### ⚠ WARNING ⚠

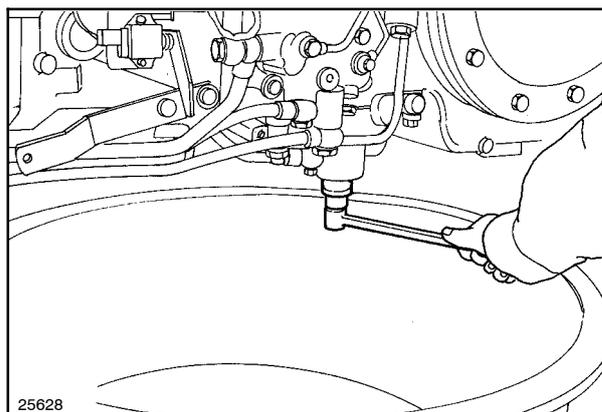
Handle all parts with care. Do not put your hands or fingers between parts. Wear the prescribed safety clothing, including goggles, gloves and safety footwear.

Proceed as follows.

1. Raise the rear of the tractor, position a fixed stand under the transmission, unscrew the relevant fixing screws and detach the left rear wheel.
2. Remove the drain plug from the drive box and collect the oil in a suitable container.

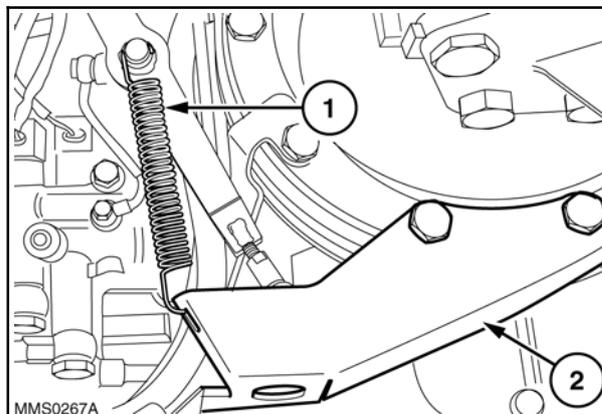


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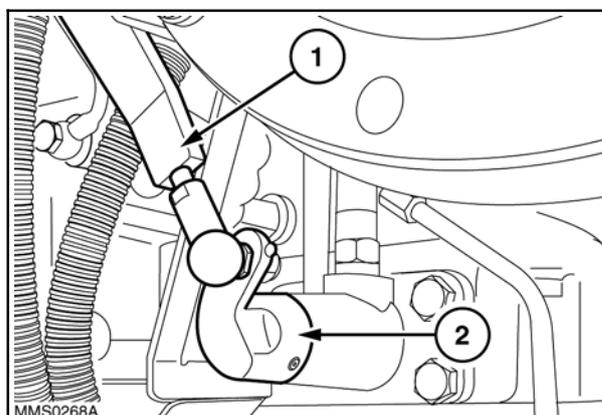
36

3. Unhook the return spring (1), unscrew the relevant screws and to detach the guard (2).



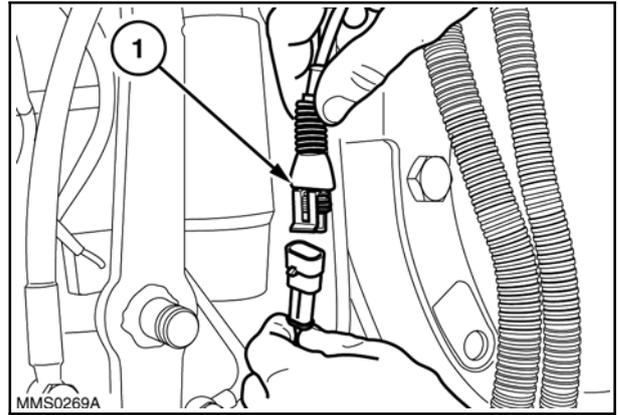
37

4. Detach the control rod (1) from the external lever (2) for parking locking on the transmission.



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5. Disconnect the electric connection (1) of the parking locking sensor on the transmission.
6. Disconnect the differential lock control pipe.



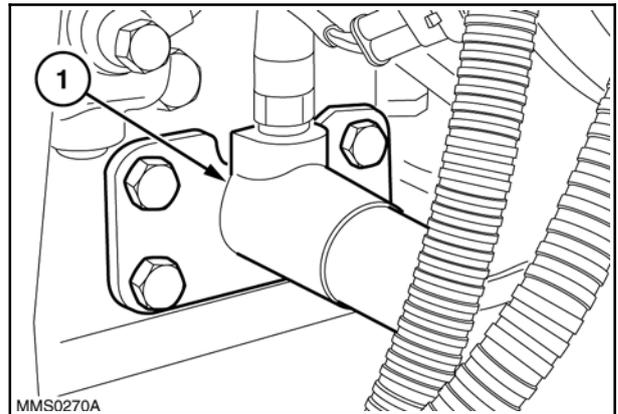
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7. Unscrew the retaining screws and remove the control lever assembly (1) for parking locking on the transmission.
8. Refit the parking locking taking the following into consideration.

**WARNING**



Use suitable tools to align the holes. NEVER USE FINGERS OR HANDS.



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- Position the control lever assembly and fix it.
- Connect the differential lock piping.
- Make the sensor electrical connection.
- Insert the control rod on the lever.
- Position the guard and secure it.
- Connect the return spring.
- Position and secure the left rear wheel.
- Screw in the oil drain plug and fill the rear transmission casing-gearbox (see page 6, sect. 00 for prescribed product and quantity).

## PARKING LOCKING ON THE TRANSMISSION Adjustment

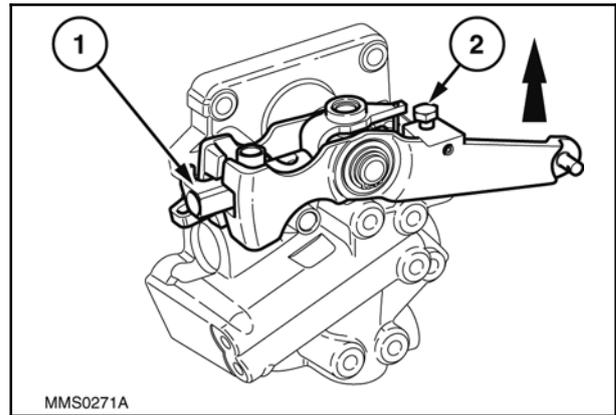
### WARNING

Use suitable tools to align the holes. NEVER USE FINGERS OR HANDS.

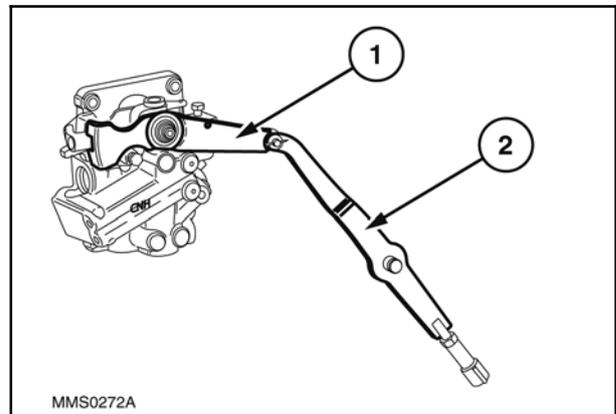
Proceed as follows.

Before starting adjustment, detach the control rod completely.

1. Keeping the screw (2) in contact with the relevant stop, unscrew or screw in the above-mentioned screw (2) so that the lever (1) can finish all its horizontal travel.
2. Fit the control rod (2) on the lever (1).

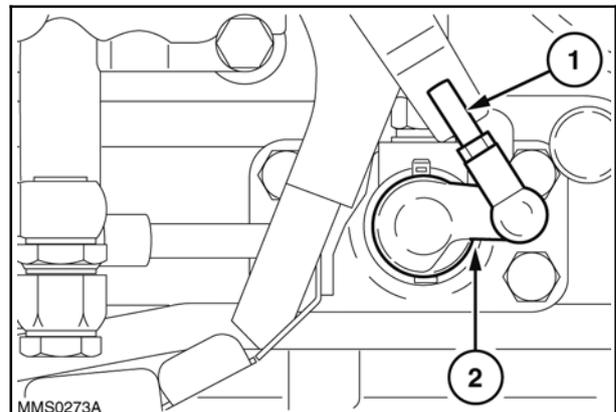


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3. Bring the lever (2) into contact with the inside cam, keeping the screw (2, fig. 41) in contact with the relevant stop, adjust the length of the rod (1) so that it enters on the lever (2) without sticking.
4. Engage and disengage a few times to settle the unit and check it works properly.



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## SECTION 35 - HYDRAULIC SYSTEMS

Chapter 6 - Front power take-off and electronic lift  
(for T4030N, T4040N, T4050N and T4060N models)

## CONTENT

Operation	Description	Page
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	Description and operation .....	11
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<b>31 140 30</b>	Front power take-off transmission shaft R.I. ....	18
<b>31 140 34</b>	Front power take-off transmission shaft D.A. ....	26
<b>31 140 43</b>	Front power take-off electromagnetic coupler R.I. ....	28
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<b>31 162 52</b>	Front lift support R.I. ....	35

## MAIN SPECIFICATIONS OF FRONT ELECTRONIC LIFT

Type .....		in position control
Lift lowering and raising adjustment .....		using the knobs (11) and (12, fig. 8) located on the multi-indicator panel
Raising and lowering push-button .....		allows fast lifting/lowering operations using push-buttons, (3, fig. 8), without using knobs (11) and (12)
Front lift function .....		is controlled by the same ECU as the rear lift
Single-acting cylinder:		
- rated diameter and stroke: .....	mm	55 x 110
- rod diameter: .....	mm	25
- capacity: .....	cm <sup>3</sup>	207
Operating pressure .....	bar	190 (194 kg/cm <sup>2</sup> )
Maximum pressure .....	bar	250 (254 kg/cm <sup>2</sup> )

(continued)

## MAIN SPECIFICATIONS OF ELECTRONICALLY CONTROLLED FRONT LIFT

(overleaf)

Diameter of arm lifting shaft (14, fig. 4) in relation to bushings . . . mm	34.936 ÷ 34.975
Internal diameter of bushings (15) fitted on lift body . . . . . mm	35.140 ÷ 35.180
External diameter of bushings (15) fitted on lift body . . . . . mm	40.060 ÷ 40.090
Clearance between lifting arm shaft (14) and relative bushings . . mm	0.165 ÷ 0.244
Bushing seat diameter (15) in support . . . . . mm	40.000 ÷ 40.025
Interference between bushings (15) and relative seats . . . . . mm	0.035 ÷ 0.090
Endfloat between lifting arm shaft and support . . . . . mm	1.8 ÷ 2.2
Power take-off mechanical engagement return spring (10, fig. 7):	
- Spring length under load of 15 N (1.53 kg) . . . . . mm	84
- Spring length under load of 200 N (20.4 kg) . . . . . mm	139
Splined shaft (1, fig. 6 with 6 splines):	
- External diameter of splines . . . . . mm	34.700 ÷ 34.870
- Internal diameter of splines . . . . . mm	27.890 ÷ 28.140
Splined shaft (1, fig. 6 with 6 splines):	
- External diameter of two bearings (3) . . . . . mm	34.884 ÷ 35.000
- External diameter of flange bearings (7) . . . . . mm	29.987 ÷ 30.000
Bearing seat diameter on connector flange (4) . . . . . mm	71.979 ÷ 72.009
Bearing seat diameter on flange (7) . . . . . mm	61.985 ÷ 62.004
Spacer thickness (10, with ± 0.05 mm tolerance) for assembly <b>clearance</b> (G) . . . . . mm	1.5 - 1.75 - 2.00 - 2.25 - 2.5 - 2.75 - 3.00
Tapered roller bearing seat (14, fig. 7) diameter on driving shaft . mm	46.520 ÷ 46.535
Tapered roller bearing seat (14) diameter on power take-off casing . . . . . mm	25.002 ÷ 25.015
Ball bearing seat (6) diameter on driving shaft . . . . . mm	24.987 ÷ 25.000
Ball bearing seat (6) diameter on power take-off casing . . . . . mm	51.979 ÷ 52.009
Front ball bearing seat diameter on driven shaft with union (13) . mm	41.961 ÷ 42.000
Rear ball bearing seat diameter on driven shaft with union (13) . mm	30.002 ÷ 30.015
Front ball bearing seat diameter on driven shaft with union (13) . on power take-off casing . . . . . mm	71.979 ÷ 72.009
Rear ball bearing seat diameter on driven shaft with union (13) on power take-off casing . . . . . mm	62.010 ÷ 62.029

(continued)

**IMPLEMENT HITCHING DEVICE DATA**

(overleaf)

Type .....	three-point linkage
Category: Working depth control .....	1 <sup>st</sup> by means of the knob (11, fig. 8) located on the multi-indicator panel
<b>Maximum lift capacity</b> with lifting attachment third point (1, fig. 15) connected to the upper hole on the lifting attachment support for the full lifting stroke	
<b>at link ends of horizontal arms:</b>	
- arms pivoted in position (A, fig. 16) ..... kg	1230
- arms pivoted in position (B) ..... kg	1430
<b>with centre of gravity at 610 mm. from link ends:</b>	
- arms pivoted in position (A) ..... kg	1330
- arms pivoted in position (B) ..... kg	1500

**BOLT TORQUES**

PARTS TO BE TIGHTENED	Thread	Tightening torque	
		Nm	kgm
<b>Front power take-off</b>			
Power take-off clutch coupler flange retaining bolts (C1, fig. 1) .....	M 8	24	2.5
Power take-off guard retaining bolts (C2) .....	M 8	24	2.5
Flange/coupler retaining bolts (C3) .....	M 8	32	3.3
Guard retaining bolts (C4) .....	M 8	24	2.5
Power take-off driving flange retaining bolts (C5) .....	M 10	49	5
Upper guard retaining nuts (C6) .....	M 8	24	2.5
Power take-off gearbox casing retaining bolts (C7) .....	M 8	24	2.5
Gearbox/support retaining bolts (C8) .....	M 10	49	5
Electromagnetic clutch/coupler flange retaining bolts (C9) .....	M 12	88	9
Electromagnet/coupler flange retaining bolts (C10) .....	M 8	24	2.5
Spring/clutch ring retaining bolts (C11) .....	M 8	24	2.5
Electromagnet rotor/coupler flange retaining bolts (C12) .....	M 8	32	3.3
Lower guard retaining bolts (C13) .....	M 8	24	2.5
<b>Front lift implement linkage</b>			
Lift arms position sensor support retaining bolts (C1, fig 2) .....	M 8	24	2.5
Cylinder pivot front pin retaining bolts (C2) .....	M 8	24	2.5
Hydraulic cylinder bolt (C3) .....	M 8	24	2.5
Arms pivot pin retaining bolts (C4) .....	M 10	31	3.2
Cylinder pivot rear pin retaining bolts (C5) .....	M 8	24	2.5
Implement linkage support retaining bolts (C6) .....	M 18	304	31