

TC18, TC21D, TC24D REPAIR MANUAL COMPLETE CONTENTS

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The following pages are the collation of the contents pages from each section and chapter of the TC18, TC21D and TC24D Tractor Repair manual. Complete Repair part # 87012847.

The sections used through out all New Holland product Repair manuals may not be used for each product. Each Repair manual will be made up of one or several books. Each book will be labeled as to which sections are in the overall Repair manual and which sections are in each book.

The sections listed above are the sections utilized for the TC18, TC21D and TC24D Tractors.

Sample of manual. Download All 734 pages at:

<https://www.arepairmanual.com/downloads/new-holland-tc18-tc21d-tc24d-tractor-service-repair-manual/>

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BOOK 1 - 87032525

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INTRODUCTION

This repair manual provides the technical information needed to properly service the New Holland TC18, TC21D, TC24D tractor. Use this manual in conjunction with the operator's manual for complete operation, adjustment, and maintenance information.

On New Holland equipment, left and right are determined by standing behind the unit, looking in the direction of travel.

PRECAUTIONARY STATEMENTS

PERSONAL SAFETY

Throughout this manual and on machine decals, you will find precautionary statements (“**DANGER**”, “**WARNING**”, and “**CAUTION**”) followed by specific instructions. These precautions are intended for the personal safety of you and those working with you. Please take the time to read them.



DANGER



This word “**DANGER**” indicates an immediate hazardous situation that, if not avoided, will result in death or serious injury. The color associated with Danger is **RED**.



WARNING



This word “**WARNING**” indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury. The color associated with Warning is **ORANGE**.



CAUTION



This word “**CAUTION**” indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is **YELLOW**.

FAILURE TO FOLLOW THE “DANGER”, “WARNING”, AND “CAUTION” INSTRUCTIONS MAY RESULT IN SERIOUS BODILY INJURY OR DEATH.

MACHINE SAFETY

The precautionary statement (“**IMPORTANT**”) is followed by specific instructions. This statement is intended for machine safety.

IMPORTANT: *The word “IMPORTANT” is used to inform the reader of something he needs to know to prevent minor machine damage if a certain procedure is not followed.*

INFORMATION

NOTE: *Instructions used to identify and present supplementary information.*

SAFETY

PRECAUTIONARY STATEMENTS

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. To help prevent accidents, read and take the following precautions before operating this equipment. Equipment should be operated only by those who are responsible and instructed to do so.

Carefully review the procedures given in this manual with all operators. It is important that all operators be familiar with and Follow safety precautions.

THE TRACTOR

1. Read the Operator's Manual carefully before using the tractor. Lack of operating knowledge can lead to accidents.
2. Use an approved roll bar and seat belt for safe operation. Overturning a tractor without a roll bar can result in death or injury. If your tractor is not equipped with a roll bar and seat belt, see your New Holland Dealer.
3. Always use the seat belt. The only instance when the seat belt should not be used is if the roll bar has been removed from the tractor.
4. If a front end loader is to be installed, always use a FOPS (Falling Object Protective Structure) canopy to avoid injury from falling objects.
5. Use the handholds and step plates when getting on and off the tractor to prevent falls. Keep steps and platform cleared of mud and debris.
6. Do not permit anyone but the operator to ride on the tractor. There is no safe place for extra riders.
7. Keep all safety decals clean of dirt and grime, and replace all missing, illegible, or damaged safety decals. See the list of decals in the Decal section of this manual.
3. Keep the tractor and equipment, particularly brakes and steering, maintained in a reliable and satisfactory condition to ensure your safety and comply with legal requirements.
4. Keep open flame or cold weather starting aids away from the battery to prevent fires or explosions. Use jumper cables according to instructions to prevent sparks which could cause explosion.
5. Stop the engine before performing any service on the tractor.
6. Escaping hydraulic/diesel fluid under pressure can penetrate the skin causing serious injury. If fluid is injected into the skin, obtain medical attention immediately or gangrene may result.
 - DO NOT use your hand to check for leaks. Use a piece of cardboard or paper to search for leaks.
 - Stop the engine and relieve pressure before connecting or disconnecting lines.
 - Tighten all connections before starting the engine or pressurizing lines.
7. Do not modify or permit anyone else to modify or alter this tractor or any of its components or functions without first consulting a New Holland Dealer.

SERVICING THE TRACTOR

1. The cooling system operates under pressure which is controlled by the radiator cap. It is dangerous to remove the cap while the system is hot. Always turn the cap slowly to the first stop and allow pressure to escape before removing the cap entirely.
2. Keep any type of open flame away from the tractor and do not smoke while refueling. Wait for the engine to cool before refueling.
8. The fuel oil in the injection system is under high pressure and can penetrate the skin. Unqualified persons should not remove or attempt to adjust a pump, injector, nozzle, or any other part of the fuel injection system. Failure to follow these instructions can result in serious injury.
9. Continuous long-term contact with used engine oil may cause skin cancer. Avoid prolonged contact with used engine oil. Wash skin promptly with soap and water.

10. Some components of your tractor, such as gaskets and friction surfaces (brake linings, clutch linings, etc.) may contain asbestos. Breathing asbestos dust is dangerous to your health. You are advised to have any maintenance or repair on such components carried out by an authorized New Holland Dealer. However, if service operations are to be undertaken on parts that contain asbestos, the essential precautions listed below must be observed:
 - Work out of doors or in a well ventilated area.
 - Dust found on the tractor or produced during work on the tractor should be removed by extraction, not by blowing.
 - Dust waste should be dampened, placed in a sealed container, and marked to ensure safe disposal.
 - If any cutting, drilling, etc. is attempted on materials containing asbestos, the item should be dampened and only hand tools or low speed power tools used.
9. Pull only from the drawbar or the lower link drawbar in the down position. Use only a drawbar pin that locks in place. Pulling from the tractor rear axle or any point above the axle may cause the tractor to upset.
10. If the front end of the tractor tends to rise when heavy implements are attached to the three-point hitch, install front end or front wheel weights. Do not operate the tractor with a light front end.
11. Always set the hydraulic selector lever in position control when attaching or transporting equipment. Ensure hydraulic couplers are properly mounted and will disconnect safely in case of accidental detachment of implement.
12. Do not leave equipment in the raised position.
13. Use the flasher/turn signal lights and SMV signs when traveling on public roads both day and night (unless prohibited by law).
14. When operating at night, adjust lights to prevent blinding oncoming drivers.

OPERATING THE TRACTOR

1. Before starting the tractor, apply the parking brake, place the PTO lever in the "OFF" position, the lift control lever in the down position, the remote control valve levers in the neutral position, and the transmission in neutral.
2. Always sit in the tractor seat when starting the engine or operating controls. Do not start the engine or operate controls while standing beside the tractor.
3. Do not bypass the neutral start switches. Consult your New Holland Dealer if your neutral start controls malfunction. Use jumper cables only in the recommended manner. Improper use can result in tractor runaway.
4. Avoid accidental contact with the gear shift lever while the engine is running, as this can cause unexpected tractor movement.
5. Before getting off the tractor, disengage the PTO, turn the engine off, and apply the parking brake. Never get off the tractor while it is in motion.
6. Do not park the tractor on a steep incline.
7. Do not operate the tractor engine in an enclosed building without adequate ventilation. Exhaust fumes can cause death or illness.
8. If the power steering or engine ceases operating, stop the tractor immediately.

DRIVING THE TRACTOR

1. Watch where you are going, especially at row ends, on roads, around trees and low hanging obstacles.
2. To avoid upsets, drive the tractor with care and at a safe speed. Use extra caution when operating over rough ground, when crossing ditches or slopes, and when turning corners.
3. To provide two-wheel braking, lock tractor brake pedals together when transporting on roads.
4. Do not coast or free wheel down hills. Use the same gear when going downhill as is used when going uphill.
5. Any towed vehicle with a total weight exceeding that of the towing tractor should be equipped with brakes for safe operation.
6. If the tractor becomes stuck or the tires become frozen to the ground, back up the tractor to prevent upset.
7. Always check overhead clearance, especially when transporting the tractor.
8. When operating at night, adjust lights to prevent blinding oncoming drivers.

OPERATING THE PTO

1. When operating PTO driven equipment, shut off the engine and wait until the PTO stops before getting off the tractor and disconnecting the equipment.
2. Do not wear loose clothing when operating the power take-off or when near rotating equipment.
3. When operating stationary PTO driven equipment, always place both gear shift levers in neutral, apply the tractor parking brake, and block the rear wheels front and back.
4. To avoid injury, do not clean, adjust, unclog, or service PTO driven equipment when the tractor engine is running.
5. Ensure the PTO master shield is installed at all times. Always replace the PTO shield cap when the PTO is not in use.

DIESEL FUEL

1. UNDER NO CIRCUMSTANCES should gasoline, alcohol, or blended fuels be added to diesel fuel. These combinations can create an increased fire or explosive hazard. Such blends are more explosive than pure gasoline in a closed container such as a fuel tank. **DO NOT USE THESE BLENDS.**
2. Never remove the fuel cap or refuel with the engine running or hot.
3. Do not smoke while refueling or when standing near fuel.
4. Maintain control of the fuel filler pipe nozzle when filling the tank.
5. Do not fill the fuel tank to capacity. Allow room for expansion.

6. Wipe up spilled fuel immediately.
7. Always tighten the fuel tank cap securely.
8. If the original fuel tank cap is lost, replace it with a New Holland approved cap. A non-approved, proprietary cap may not be safe.
9. Keep equipment clean and properly maintained.
10. Do not drive equipment near open fires.
11. Never use fuel for cleaning purposes.
12. Arrange fuel purchases so that winter grade fuels are not held over and used in the spring.

SAFETY FRAME (ROPS)

Your New Holland tractor is equipped with a safety frame. It must be maintained in a serviceable condition. Be careful when driving through doorways or working in confined spaces with low headroom.

UNDER NO CIRCUMSTANCES should you:

- modify, drill, or alter the safety frame in any way. Doing so may render you liable to legal prosecution.
- attempt to straighten or weld any part of the main frame or retaining brackets which have suffered damage. Doing so may weaken the structure and endanger your safety.
- secure any parts on the main frame or attach your safety frame with anything other than the special high tensile bolts and nuts specified.
- attach chains or ropes to the main frame for pulling purposes.
- take unnecessary risks even though your safety frame affords you the maximum protection possible.



WHEN YOU SEE THIS SYMBOL

IT MEANS:

ATTENTION!

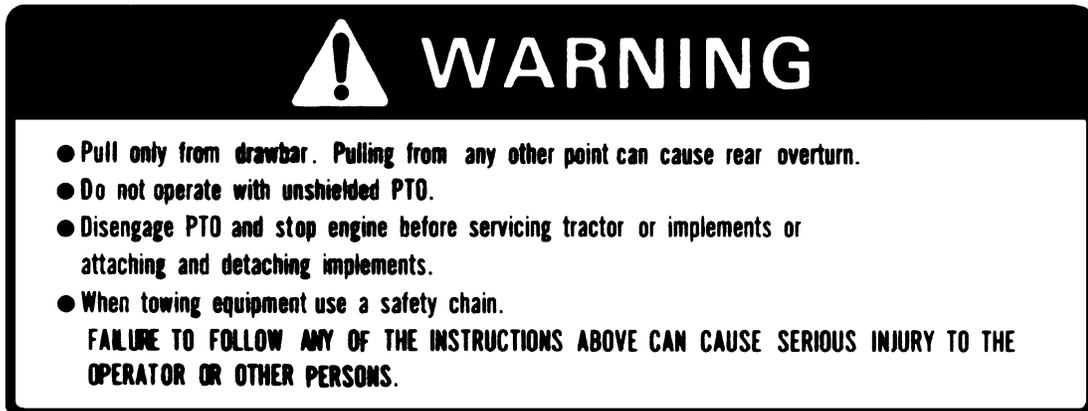
BECOME ALERT!

YOUR SAFETY IS INVOLVED!

SAFETY DECALS

If safety or instruction decals become damaged or illegible, new decals should be obtained from your New Holland Dealer and placed at their original positions.

SAFETY DECALS



! WARNING

- Pull only from drawbar. Pulling from any other point can cause rear overturn.
- Do not operate with unshielded PTO.
- Disengage PTO and stop engine before servicing tractor or implements or attaching and detaching implements.
- When towing equipment use a safety chain.

FAILURE TO FOLLOW ANY OF THE INSTRUCTIONS ABOVE CAN CAUSE SERIOUS INJURY TO THE OPERATOR OR OTHER PERSONS.

WARNING: Pull Only From Drawbar
PART NO: SBA390194661
LOCATION: On Back of Toolbox

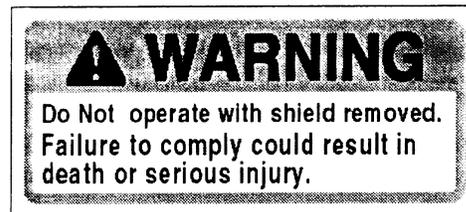


! WARNING

- Before starting and operating
 - Know the operating and safety instructions in the operators manual and on the tractor.
 - Clear the area of bystanders.
 - Locate and know operation of controls.
 - Fasten your seat belt.
- Start engine only from operators seat with transmission in neutral, PTO disengaged and hydraulic controls in lowered position.
- Slow down on turns, rough ground and slopes to avoid upset.
- Do not permit anyone but the operator to ride on the tractor. There is no safe place for riders.
- Lock brakes together, use warning lights and SMV emblem while driving on roads.
- Lower equipment, place gear shift levers in neutral, stop engine and apply parking brake before leaving tractor seat.
- Avoid accidental contact with gear shift lever while engine is running. Unexpected tractor movement can result.

FAILURE TO FOLLOW ANY OF THE INSTRUCTIONS ABOVE CAN CAUSE SERIOUS INJURY TO THE OPERATOR OR OTHER PERSONS.

[Replacement manuals are available from your FORD NEW HOLLAND dealer or FORD NEW HOLLAND INC., -New Holland, PA17557]

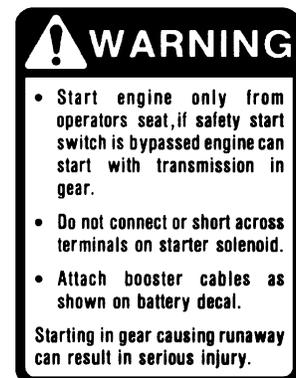


! WARNING

Do Not operate with shield removed. Failure to comply could result in death or serious injury.

WARNING: Do Not Operate With Shield Removed
PART NO: SBA390198480
LOCATION: Inside of Engine Side Shields

WARNING: Start Engine Only from Operator's Seat
PART NO: SBA190196682
LOCATION: On the Starting Motor



! WARNING

- Start engine only from operators seat, if safety start switch is bypassed engine can start with transmission in gear.
- Do not connect or short across terminals on starter solenoid.
- Attach booster cables as shown on battery decal.

Starting in gear causing runaway can result in serious injury.

WARNING: Before Starting and Operating
PART NO: SBA390192273
LOCATION: Front of L.H. Fender

SAFETY DECALS

⚠ WARNING
TO JUMP START
 (Negative Grounded Battery)

1. Shield eyes.
2. Connect end of one cable to positive (+) terminals of each battery.
3. Connect one end of other cable to negative (-) terminal of "Good" battery.
4. Connect other end to engine block of vehicle being started. **TO PREVENT DAMAGE** to other electrical components on vehicle being started, make certain that engine is at idle speed before disconnecting jumper cables.

WARNING: To Jump Start
PART NO: SBA490990571
LOCATION: Right Side of Battery Support

⚠ WARNING



Keep hands and clothing away from rotating fan and belts.
Contact with moving parts may cause loss of fingers or a hand.

74512750

WARNING: Keep Hands and Clothing Away from Rotating Fan
PART NO: SBA390198470
LOCATION: Each Side of Radiator

⚠ WARNING

TO AVOID SERIOUS INJURY OR DRIVELINE DAMAGE. IF using pull-type PTO implement, the optional extendable or swinging drawbar Must be obtained from your authorized dealer.

Failure to follow any of the instructions can cause serious bodily injury.

WARNING: Drawbar
PART NO: SBA390198391
LOCATION: Top of PTO Shield

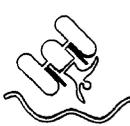
⚠ DANGER

CAN CAUSE BLINDNESS OR SEVERE INJURY. Protect eyes. Sparks, flames, cigarettes can cause EXPLOSION: Tools and cable clamps can cause sparks. Do not use without instruction.

Keep vent caps tight and level. CAUSES SEVERE BURNS. Contains sulfuric acid. In event of contact, flush with water and see a doctor. KEEP OUT OF REACH OF CHILDREN.

DANGER: Explosive/Acid - Poison
PART NO: SBA390194390
LOCATION: Top of Battery

⚠ DANGER



- When improperly operated a tractor can rollover or upset.
- For low clearance use only, the ROPS can be lowered. No protection is provided in the lowered position.
- Raise ROPS and insert locking pins immediately after low clearance use, or for transport.
- When ROPS is lowered, use of seat belt is not recommended.
- Do not attach ropes or chains to ROPS for pulling purposes.
- Do not operate vehicle without ROPS locking pins in position.
- Do not attempt to fold ROPS when a canopy is fitted.
- Use of ROPS and seat belt reduce the chance of injury or death if rollover or upset occurs.



DANGER: ROPS
PART NO: SBA390197530
LOCATION: Overhead on ROPS

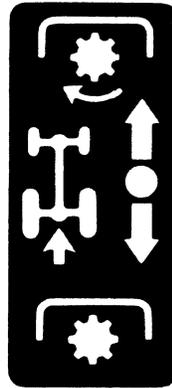
INSTRUCTION DECALS



Range Selector
Lever - Gear
PART NO: SBA390171890
LOCATION: Left Control Pod



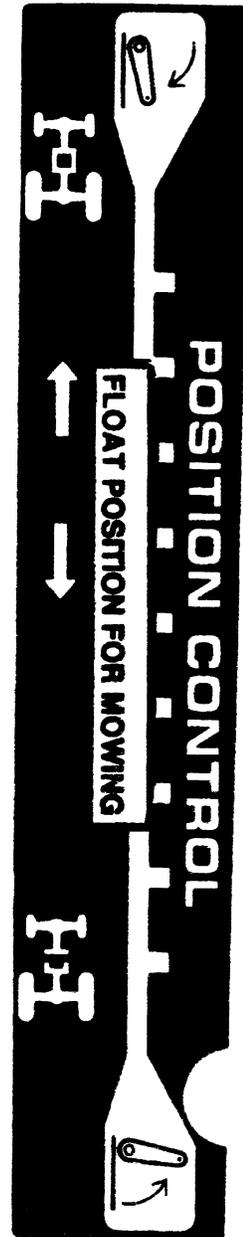
Range Selector Lever -
Hydrostatic
PART NO: SBA390173490
LOCATION: Left Control Pod



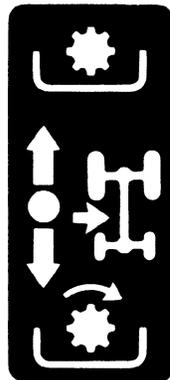
PTO Control Lever
PART NO: SBA390171940
LOCATION: L.H. Fender -
Near Control



Differential Lock
PART NO: SBA390191690
LOCATION: On Fender
Near Pedal



HPL Position Control, FWD Lever
PART NO: SBA390372341 - 4WD
LOCATION: Between HPL and
FWD Levers (RH Control Pod)



Mid PTO Control Lever
PART NO: SBA390171950
LOCATION: L.H. Fender -
Left of Control

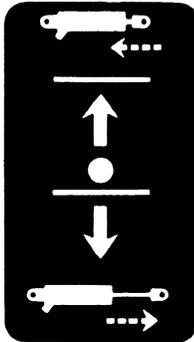
INSTRUCTION DECALS



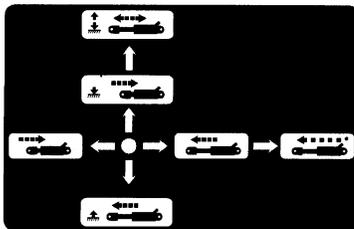
Parking Brake
 PART NO: SBA390194270
 LOCATION: On L.H. Side of Parking Brake Lever



Hydraulic Manifold Operation
 PART NO: SBA390192850
 LOCATION: Side of Hydraulic Manifold and Air Filter Cap



(Optional)
 Operating Remote Control Valve - Single
 PART NO: SBA390370300
 LOCATION: R.H. Side Under Seat (next to control handle)



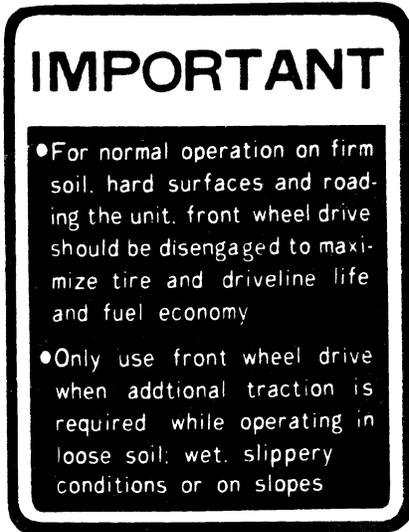
(Optional)
 Two Spool Remote Operation
 PART NO: SBA86532911
 LOCATION: On Remote Control Cover

WATCH YOUR PROOF METER HOURS LUBRICATION AND MAINTENANCE SERVICE INTERVALS				
LUBRICATION AND MAINTENANCE ITEM	CHECK	CLEAN	LUBE	SERVICE INTERVAL
Radiator Coolant	•			Every 10 Hours or Daily
Engine Oil Level	•			
Air Cleaner	•			
Transmission Oil Level	•			
Power Steering Oil Level	•			
Front Diff Oil Level	•			
Front Axle Oil Level	•			
Tires	•			
Clutch Pedal			•	
Battery	•			
Lubrication Fittings				Every 50 Hours
Steering Linkage			•	
2-Wheel Drive King Pins			•	
3-Point Linkage			•	
Pivot Shaft			•	
Pedal Shaft			•	
Brake Pedal			•	
Drive Shaft Cover			•	
H.S.T Foot Pedal Shaft			•	
Power Steering			•	
Engine Oil			•	
Engine Oil Filter			•	Every 100 Hours
Fuel Filter			•	Every 200 Hours
Air Cleaner			•	
Fuel Filter			•	Every 200 Hours
Fan Belt			•	
Brakes			•	
H.S.T Cartridge Filter			•	Every 300 Hours
Front Axle Oil			•	
Front Diff Oil			•	
Hydraulic Filter			•	
Transmission Oil			•	
Fuel Injectors			•	Every 600 Hours
Valve Clearance			•	
Front Wheel Bearings			•	
Power Steering Oil			•	
Radiator Coolant			•	Seasonal
Air Cleaner Element			•	

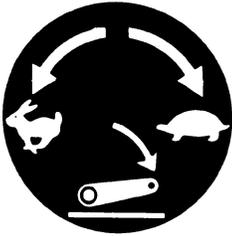
Lubrication and Maintenance Intervals
 PART NO: SBA390198350
 LOCATION: Underside of Hood

Refer to your Operator's Manual for additional information

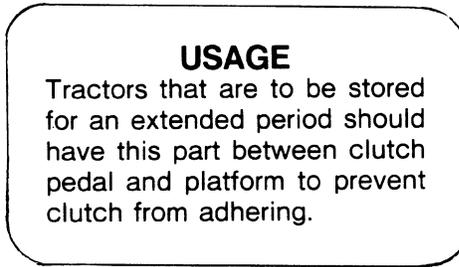
INSTRUCTION DECALS



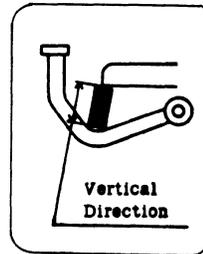
Important - For Normal Operation
PART NO: SBA390192410
LOCATION: R.H. Fender Under Seat



Flow Control Knob
PART NO: SBA390370290
LOCATION: End of Flow Control Knob



Usage - Tractors That Are to Be Stored
PART NO: SBA390190300
LOCATION: On Clutch Pedal Spacer Block



Installing Pedal Spacer
PART NO: SBA390190290
LOCATION: On Clutch Pedal Spacer Block

PLEASE READ CAREFULLY:

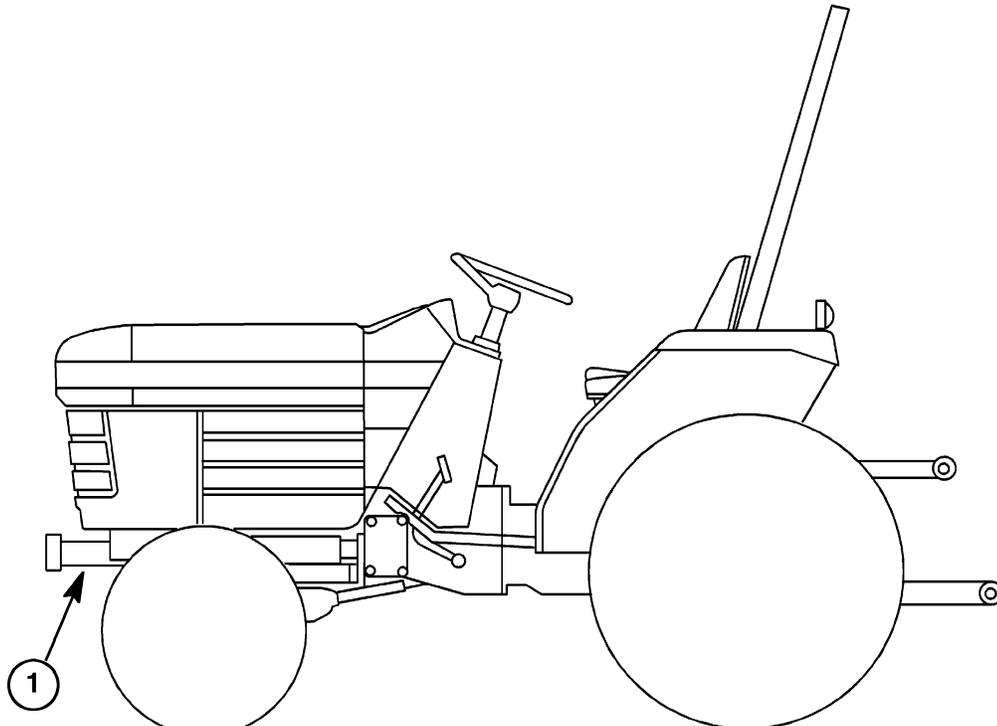
For a complete list of the pre-delivery service checks performed by your dealer, refer to the PRE-DELIVERY SERVICE checklist found at the back of this manual. Keep one copy as your record of the service performed. The other copy should be removed from the manual and kept by your dealer. **MAKE SURE THAT BOTH COPIES ARE COMPLETED AND THAT YOU AND THE DEALER SIGN BOTH COPIES.**

A PRODUCT IDENTIFICATION PLATE, 1, is located on the *right-hand side of the tractor front end*. The numbers on the plate are important in the event your tractor should require future service. For your

convenience, have your dealer record these numbers in the appropriate spaces below.

New Holland North America, Inc. is continually striving to improve its products. We reserve the right to change prices, specification, or equipment at any time without notice.

All data given in this book is subject to production variations. Dimensions and weights are approximate only, and the illustrations do not necessarily depict tractors in standard condition. For exact information about any particular tractor, please consult your New Holland dealer.



50014013

INTERNATIONAL SYMBOLS

As a guide to the operation of your tractor, various universal symbols have been utilized on the instruments, controls, switches, and fuse box. The symbols are shown below with an indication of their meaning.

	Thermostart starting aid		Radio		P.T.O.		Position Control
	Alternator charge		Keep alive memory		N Transmission in neutral		Draft Control
	Fuel level		Turn signals		Creeper gears		Accessory socket
	Automatic Fuel shut-off		Turn signals -one trailer		Slow or low setting		Implement socket
	Engine speed (rev/min x 100)		Turn signals -two trailers		Fast or high setting		%age slip
	Hours recorded		Front wind-screen wash/wipe		Ground speed		Hitch raise (rear)
	Engine oil pressure		Rear wind-screen wash/wipe		Differential lock		Hitch lower (rear)
	Engine coolant temperature		Heater temperature control		Rear axle oil temperature		Hitch height limit (rear)
	Coolant level		Heater fan		Transmission oil pressure		Hitch height limit (front)
	Tractor lights		Air conditioner		FWD engaged		Hitch disabled
	Headlamp main beam		Air filter blocked		FWD disengaged		Hydraulic and transmission filters
	Headlamp dipped beam		Parking brake		Warning!		Remote valve extend
	Work lamps		Brake fluid level		Hazard warning lights		Remote valve retract
	Stop lamps		Trailer brake		Variable control		Remote valve float
	Horn		Roof beacon		Malfunction! See Operator's Manual		Malfunction! (alternative symbol)
			Warning! Corrosive substance		Pressurised! Open carefully		

SPECIFICATIONS

**Model TC18—
Hydrostatic/Gear**

ENGINE

Type	Diesel
Engine Gross Horsepower	18.5
Cylinders	3
Bore	75 mm (2.95")
Stroke	72 mm (2.83")
Displacement	0.954 L (58.2 cu. in.)
Compression Ratio	23:1
Firing Order	1-2-3
Low Idle Speed	1100-1200 RPM
Maximum Speed:	
High Idle	2800-2850 RPM
Rated	2600 RPM
Valve Clearance (Cold):	
Intake	0.20 mm (0.008")
Exhaust	0.20 mm (0.008")

CAPACITIES

Fuel Tank	20 liters/ 5.3 U.S. gals.
Cooling System	3.5 liters/ 3.7 U.S. qts.
Engine Crankcase:	
Less Filter	2.6 liters/ 2.7 U.S. qts.
With Filter Change	2.8 liters/ 2.9 U.S. qts.
Rear Axle & Transmission (Includes Hydraulics)	16 liters/ 4.23 U.S. gals.
Front Axle Final Reduction	0.8 liter/ 0.85 U.S. qt. per side
Differential Gear Case	1 liter/ 1.06 U.S. qts.

**Model TC18—
Hydrostatic/Gear**

COOLING SYSTEM

Type	Pressurized Liquid with Recirculating Bypass
Water Pump:	
Type	Centrifugal
Drive	V-Belt
Belt Deflection	10 mm-15 mm (7/16"-9/16") when 9-11 kg (20-25 lbs.) thumb pressure is applied mid- way between belt pulleys
Fan Diameter	335 mm (13.19")
Thermostat:	
Start to Open	82°C (200°F)
Fully Open	95°C (228.6°F)
Radiator Cap	0.9 bar (13 PSI)

ELECTRICAL SYSTEM

Alternator	12-volt, 20 amps
Battery	12-volt, w/ negative ground, 325 cca
Starting Motor	Solenoid Pre-Engaged Reduction

FUEL SYSTEM

Fuel Type	Diesel
Type of Fuel to Use if Above 40°F	No. 2-Diesel, Cetane Rating: Minimum 40
Type of Fuel to Use if Below 40°F	No. 1-Diesel, Cetane Rating: Minimum 40
Injection Pump:	
Type	In-Line
Timing	21° BTDC

**Model TC18—
Hydrostatic/Gear**

CLUTCH

Type	184 mm (7.25")
.....	Dry Disc, Organic Face
Pedal Free-Travel	19 mm-30 mm
.....	(3/4"-1-3/16")

BRAKES

Type	Wet Disc
2 Discs per side	134 mm x 94 mm Diameter (5.27" x 3.70")

STEERING

Type	Power (FWD) Manual (2WD)
Turns Lock-to-Lock:	
2WD & FWD	2.5
Front Wheel Toe-In	0 mm - 5 mm
(2WD & FWD)	(0" - 13/64")
Turning Radius w/o Brakes:	
FWD	2464 mm (97.0")
2WD	2559 mm (100.8")

POWER TAKE-OFF

Type	Live
Shaft:	
Rear PTO	35 mm (1-3/8")
Mid PTO	25.4 mm (1")
Engine Speed for 540 RPM	
PTO Operation	2388 RPM (Gear) 2503 RPM (HST)
Horsepower PTO Observed	14 HST 15 Gear

HYDRAULIC LIFT SYSTEM

Type	Open Center
Pump Type	Gear
Pump Capacity	15.3 L/min (4.0 U.S. GPM)
System Relief Valve Setting	130 bar (1849 PSI)

	Model TC18— Gear	Model TC18— Hydrostatic
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TRANSMISSION SPEEDS

(From 1300-2600 RPM Engine Speed with AG 8-16 Rear Tires)

Gear Position:

1 st (Low)	1.76 KPH (1.09 MPH)	
2 nd (Low)	2.92 KPH (1.81 MPH)	
3 rd (Low)	4.49 KPH (2.76 MPH)	
4 th (High)	6.22 KPH (3.87 MPH)	
5 th (High)	10.32 KPH (6.41 MPH)	
6 th (High)	15.86 KPH (9.86 MPH)	
Reverse 1 (Low)	3.27 KPH (2.03 MPH)	
Reverse 2 (High)	11.54 KPH (7.17 MPH)	

Gear Position:

Low		0 - 6.23 KPH (0 - 3.87 MPH)
High		0 - 16.02 KPH (0 - 9.95 MPH)
Reverse Low		0 - 3.89 KPH (0 - 2.42 MPH)
Reverse High		0 - 10.01 KPH (0 - 6.22 MPH)