

**NEW HOLLAND**

**Tractors**

**8670**

**8770**

**8870**

**8970**

**Serial #D403778 and above**

**OPERATOR'S MANUAL**



**NEW HOLLAND**

**CALIFORNIA**

**Proposition 65 Warning**

**Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.**



NEW HOLLAND

# WARRANTY AND LIMITATION OF LIABILITY - AGRICULTURAL PRODUCTS

## COVERAGE PROVIDED

Ford New Holland, Inc. or Ford New Holland Canada Ltd., hereinafter called "Company" warrants to the retail purchaser of each new Product (as listed below) that the Selling Dealer will repair or replace any part thereof found to be defective in materials or workmanship within the following periods. This warranty is for the benefit of the original or subsequent purchaser when purchased from an authorized Ford New Holland dealer.

## BASIC WARRANTY

Product	Warranty Period (whichever comes first)
— Harvesting, Materials Handling Equipment and Implements	12 Months
— Extended Ford Engine Warranty for Self Propelled Harvesting Products*	24 Months or 2000 Hours
— Tractors, 1000 thru 8000 Series (except as noted) and Model 9030	12 Months
— Extended Power Train Warranty**	24 Months or 2000 Hours
— Tractors, 8030 and 8070 Series	36 Months or 3000 Hours
— Tractors, Articulated 4 Wheel Drive Models (except Model 9030)	24 Months or 2000 Hours
— Replacement Parts	90 days or to end of Basic Warranty (whichever is longer)

\*Caterpillar, Cummins and Deutz engines are warranted by their respective manufacturers.

\*\*The components covered by extended warranty consists of the following:

**ENGINE** - The rocker arm cover, cylinder head, engine block, crankcase pan and timing gear cover of the engine, and the parts fully enclosed within these units.

**TRANSMISSION AND REAR AXLE (Tractors Only)** - The clutch housing, transmission case, dual power housing, differential housing, final drive housings, transfer case, front wheel drive housing, and parts fully enclosed within these housings, including the drive axles. Includes PTO clutch and PTO drop box, hydrostatic pump/motor and high pressure hoses on the Model 9030 tractors.

## LIMITATIONS, INCLUDING DISCLAIMER OF IMPLIED WARRANTIES AND CONSEQUENTIAL DAMAGES

This warranty gives you specific legal rights and you may also have other rights which vary, depending on state or provincial laws.

Ford New Holland, Inc. or Ford New Holland Canada Ltd. does not authorize any person or dealer to create for it any other obligation or liability in connection with these products. TO THE EXTENT ALLOWED BY LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS APPLICABLE TO THIS PRODUCT IS LIMITED TO THE STATED DURATION OF THIS WRITTEN WARRANTY. NEITHER COMPANY NOR THE SELLING DEALER SHALL BE LIABLE FOR LOSS OF THE USE OF THE PRODUCT, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS OR CONSEQUENTIAL DAMAGES.

Some states and provinces do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

The remedy of repair or replacement of a defective part during the warranty period herein specified shall be the purchaser's exclusive remedy.

## EXTENDED SERVICE PLAN (ESP)

When offered by the Company, the option to purchase an Extended Service Plan has been explained and:

- I accept and have signed the completed registration form
- I decline the Extended Service Plan
- I will consider within 180 days (12 months on 8070 series)

## PROTECTIVE EQUIPMENT

Rollover protective structure (ROPS) and seat belts are provided as standard equipment on all Ford New Holland agricultural tractors and we strongly recommend their use. Customers who elect to remove or not use this protection do so at their own risk.

- I acknowledge the existence of OSHA regulations pertaining to ROPS. \_\_\_\_\_
- A PTO master shield, if applicable, has been installed on the machine. \_\_\_\_\_
- The correct Operator's Manual has been furnished. \_\_\_\_\_
- Safety precautions were explained to me by the Selling Dealer. \_\_\_\_\_

## ACKNOWLEDGEMENT/WARRANTY TRANSFER

The blank spaces under "Protective Equipment" have been filled in and are correct, and I acknowledge that I have read and I accept this Warranty and Limitation of Liability.

Purchaser \_\_\_\_\_ Dealer \_\_\_\_\_ Code \_\_\_\_\_

Address \_\_\_\_\_ Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Model \_\_\_\_\_ Serial No. \_\_\_\_\_ Extended Service Plan Expires on \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
(Subject to confirmation by FNH)

Retail Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Purchaser \_\_\_\_\_ Date \_\_\_\_\_ Dealer \_\_\_\_\_ Date \_\_\_\_\_  
Signature Signature

Additional details on back

PRINTED IN USA

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# New Holland Warranty Detail

The warranty period will begin on date of original retail sale or date of original use, whichever is earlier.

- The obligation of Company to the purchaser under this warranty is limited to the repair or replacement of defective parts by an authorized Ford New Holland dealer and will be done free of charge for both parts and labor using genuine Ford New Holland replacement parts. Repair or replacement in accordance with this warranty shall constitute fulfillment of all liabilities of Company and the Selling Dealer in respect to such Products.
- Repairs or replacements will be performed by the Selling Dealer, following delivery of the Product by the purchaser to the Dealer's place of business. When the purchaser has moved a long distance from the Selling Dealer, or the Selling Dealer is no longer in business, any Ford New Holland dealer authorized to sell and service the described Products may perform the repair at its dealership.
- The Selling Dealer shall review these warranty provisions with the purchaser prior to retail sale, secure his acknowledgement of delivery of this warranty and record the date of original retail sale or date of original use.
- To obtain warranty service, the purchaser must (1) report the product defect to an authorized Ford New Holland dealer and request repair within the applicable warranty term and (2) present evidence of the warranty start date.

## WHAT IS NOT COVERED BY THE WARRANTY?

This warranty shall NOT apply under the following conditions:

- (i) With respect to vendor warranty items such as Deutz, Cummins and Caterpillar engines, or tires, tubes, and attachments which shall be warranted by their manufacturer, or local representative thereof.
- (ii) If the unit has been subject to misapplication, abuse, misuse, negligence of proper maintenance or other negligence, fire or other accident.
- (iii) If parts or attachments other than those made or marketed by Ford New Holland, Inc. or Ford New Holland Canada Ltd., have been used in connection with the unit, and in the sole judgment of Company such use affects its performance, stability or reliability.
- (iv) If the unit has been altered or repaired outside of a Ford New Holland dealership in a manner which, in the sole judgment of Company, affects its performance, stability or reliability.
- (v) Batteries are covered by a separate pro rata adjustment warranty. The pro-rata plan covers the battery fully for the basic product warranty period as indicated, with any remaining warranty pro-rated according to the months of service.
- (vi) The purchaser shall be responsible for payment of dealer travel time to the machine or to deliver the machine to the dealer's service shop for repair. Ford New Holland warranty does not cover delivery charges or travel time.
- (vii) The Company shall have no liability for used equipment sold beyond the specified coverage period.
- (viii) No warranty shall apply to damage resulting from accident or damage caused by environment (such as exposure to corrosive material). The Company shall not be responsible for rental equipment used to replace the equipment being repaired.
- (ix) This warranty shall NOT apply to normal maintenance services (such as tune-ups, fuel injection system cleaning or wheel, brake and clutch adjustments), to normal replacement of service items (such as filters and brake or clutch linings), or to normal deterioration due to use or exposure (such as belts and exterior finish). Ford New Holland shall not be responsible for normal replacement parts such as cutting knives, chains, belts, clutches, filters, oil, or other parts which are worn out, unless they are determined to be defective in material or workmanship.
- (x) This warranty shall NOT apply to any Ford New Holland Product which is retailed or distributed by anyone other than Ford New Holland, Inc. or Ford New Holland Canada Ltd., through its authorized dealers. This warranty shall NOT apply to any Product which is normally operated outside of the United States, and/or Canada.
- (xi) This warranty shall NOT apply if the purchaser, insurance company, or any other entity or individual acting on behalf of the purchaser seeks reimbursement for the dollar value of the repair(s) or replacement(s) covered under this warranty.
- (xii) If the injection pump has been set for fuel delivery above Ford New Holland specifications.

## RIGHT TO MAKE DESIGN CHANGES

Company reserves the right to make changes in the design and other changes in its products at any time and from time to time without notice and without incurring any obligation with respect to any product previously ordered from it, sold or shipped by it.

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# OWNER ASSISTANCE

We at New Holland and your New Holland dealer want you to be completely satisfied with your investment. Normally any problems with your equipment will be handled by your dealer's Service Department. Sometimes, however, misunderstanding can occur. If your problem has not been handled to your satisfaction, we suggest the following.

1. Contact the owner or General Manager of the dealership, explain the problem, and request assistance. When additional assistance is needed, your dealer has direct access to our branch office.
2. If you cannot obtain satisfaction by doing this, contact the branch office in your area and provide them with:
  - Your name, address, and telephone number
  - Machine model and serial number
  - Dealership name and address
  - Machine purchase date and amount of use
  - Nature of problem

## **Atlanta**

2000 Mountain Ind. Blvd.  
Tucker, GA 30084  
Telephone: (404) 723-3615  
States: AL, FL, GA, KY, MS,  
NC, SC, TN, VA

## **Dallas**

P.O. Box 152141  
Irving, TX 75015  
Telephone: (214) 756-4919  
States: AR, AZ, CA, CO, HI, KS,  
LA, MO, NM, NV, OK, TX, UT

## **Minneapolis**

P.O. Box 1342  
Minneapolis, MN 55440  
Telephone: (612) 887-4232  
States: AK, IA, ID, IL, MN, MT,  
ND, NE, OR, SD, WA, WI, WY

## **New Holland**

500 Diller Avenue  
New Holland, PA 17557  
Telephone: (717) 285-8302  
States: CT, DE, IN, MA, MD, ME,  
MI, NH, NJ, NY, OH, PA, RI, VT,  
WV

## **Calgary**

Box 1616, Main P.O.  
Calgary, AB  
CANADA T2P 2M7  
Telephone: (403) 569-3208

3. If you need further assistance contact:

*Service Department  
Mail Station 500  
Ford New Holland, Inc.  
New Holland, PA 17557*

When contacting your branch office or Service Department, be aware that your problem will likely be resolved in the dealership using the dealer's facilities, equipment, and personnel. So it is important that your initial contact be with the dealer.

A Service Publications Catalog & Order Form is available which lists the operator's and service manuals for many prior model and most current model Ford - New Holland - Versatile tractors, equipment, and consumer products. To obtain a copy of this catalog, please call 1-800-635-4913.

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# PRECAUTIONARY STATEMENTS

## PERSONAL SAFETY

Throughout this manual and on machine decals, you will find precautionary statements (“CAUTION”, “WARNING”, and “DANGER”) 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.



**CAUTION: THE WORD “CAUTION” IS USED WHERE A SAFE BEHAVIORAL PRACTICE ACCORDING TO OPERATING AND MAINTENANCE INSTRUCTIONS AND COMMON SAFETY PRACTICES WILL PROTECT THE OPERATOR AND OTHERS FROM ACCIDENT INVOLVEMENT.**



**WARNING: THE WORD “WARNING” DENOTES A POTENTIAL OR HIDDEN HAZARD WHICH HAS A POTENTIAL FOR SERIOUS INJURY. IT IS USED TO WARN OPERATORS AND OTHERS TO EXERCISE EVERY APPROPRIATE MEANS TO AVOID A SURPRISE INVOLVEMENT WITH MACHINERY.**



**DANGER: THE WORD “DANGER” DENOTES A FORBIDDEN PRACTICE IN CONNECTION WITH A SERIOUS HAZARD.**

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

## MACHINE SAFETY

Additional precautionary statements (“ATTENTION” and “IMPORTANT”) are followed by specific instructions. These statements are intended for machine safety.

*ATTENTION: The word “ATTENTION” is used to warn the operator of potential machine damage if a certain procedure is not followed.*

*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.*



## **PRECAUTIONARY STATEMENTS**

### **SAFETY PRECAUTIONS**

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 the tractor. Equipment should be operated only by those who are responsible and instructed to do so.

### **THE TRACTOR**

1. Read the Operator's Manual carefully before using the tractor. Lack of operating knowledge can lead to accidents.
2. Only allow properly trained and qualified persons to operate the tractor.
3. To prevent falls, use the assist rails and step plates when getting on and off the tractor. Keep steps and platform clear of mud and debris.
4. Do not permit anyone but the operator to ride on the tractor. There is no safe place for extra riders.
5. Replace all missing, illegible or damaged safety decals.
6. Keep safety decals free of dirt or grime.
7. Do not modify or alter or permit anyone else to modify or alter the tractor or any of its components or any tractor function without first consulting an authorized dealer.
8. Install all shields before starting or operating the tractor.

### **DRIVING THE TRACTOR**

1. Always sit in the driver's seat while starting or driving the tractor.
2. When driving on public roads, have consideration for other road users. Pull to the side of the road so that any following traffic may pass.
3. Dim the tractor lights when meeting a vehicle at night. Make sure the lights are adjusted to prevent blinding the driver of an oncoming vehicle.
4. Reduce speed before turning or applying the brakes. Lock the brake pedals together when traveling at road speeds or when on the highway. Brake both wheels simultaneously when making an emergency stop.
5. Use extreme caution and avoid hard application of the tractor brakes when towing heavy loads at road speeds.
6. Any towed vehicle whose total weight exceeds that of the towing tractor must be equipped with brakes for safe operation.
7. Never apply the differential lock when turning. When engaged, the differential lock will prevent the tractor from turning.
8. Always check overhead clearance, especially when transporting the tractor. Watch where you are going, especially at row ends, on roads and around trees and low overhanging obstacles.
9. Use extreme caution when operating on steep slopes.



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10. To avoid overturns, drive the tractor with care and at speeds compatible with safety, especially when operating over rough ground, when crossing ditches or slopes and when turning corners.
  11. If the tractor becomes stuck or the tires are frozen to the ground, engage a reverse gear to free the tractor and prevent overturning.
  12. Keep the tractor in the same gear when going downhill as would be used when going uphill. Do not coast or freewheel down hills.
  9. The cab air filter is designed to remove dust from the air but will not exclude chemical vapor. Follow the chemical manufacturers directions regarding protection from dangerous chemicals.
  10. Always wear a protective mask when working with toxic spray chemicals. Follow the directions on the chemical container.
  11. If the power steering or engine ceases to operate, stop the tractor immediately as the tractor will be more difficult to control.

#### **OPERATING THE TRACTOR**

1. Apply the parking brake, place the PTO control in the "OFF" position, the lift control lever in the down position, the remote control valve levers in the neutral position and the transmission lever in neutral before starting the tractor.
2. Do not start the engine or operate controls (other than the external hydraulic lift switches) while standing beside the tractor. Always sit in the tractor seat when starting the engine or operating the controls.
3. Do not bypass the transmission neutral start switch. Consult your authorized dealer if your neutral start controls malfunction. Use jumper cables only in the recommended manner. Improper use can result in a tractor runaway.
4. Avoid accidental contact with the gear shift lever while the engine is running. Unexpected tractor movement can result from such contact.
5. Do not get off the tractor while it is in motion.
6. Shut off the engine and PTO and apply the parking brake before getting off the tractor.
7. Do not park the tractor on a steep incline.
8. Do not operate the tractor engine in an enclosed building without adequate ventilation. Exhaust fumes can cause death.
12. Stop the engine and relieve pressure before connecting or disconnecting hydraulic, steering or fuel lines.
13. Tighten all connections before starting the engine or pressurizing lines.
14. Pull only from the swinging drawbar. 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 overturn.
15. If the front end of the tractor tends to rise when heavy implements are attached to the three-point hitch, install front end weights. Do not operate the tractor with a light front end.
16. Always select Position Control when attaching equipment and when transporting equipment. Be sure hydraulic couplers are properly mounted and will disconnect safely in case of accidental detachment of the implement.
17. Do not leave equipment in the raised position when the vehicle is stopped or unattended.
18. Ensure any attached equipment or accessories are correctly installed, are approved for use with the tractor, do not overload the tractor and are operated and maintained in accordance with the instructions issued by the equipment or accessory manufacturer.

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19. Remember that your tractor, if abused or incorrectly used, can be dangerous and become a hazard both to the operator and to bystanders. Do not overload or operate with attached equipment which is unsafe, not designed for the particular task or is poorly maintained.
  20. The cab is designed to provide the minimum noise level at the operator's ears and, in fact, meets or exceeds applicable standards in this respect. However, noise (sound pressure level) in the workplace can exceed 86dB(A) when working between buildings or in confined spaces, when the cab windows are open. Therefore, it is recommended that the operators wear suitable ear protectors when operating in high noise level conditions.

#### **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 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. Make sure the PTO master shield is in position at all times and always replace the PTO cover when the PTO is not in use.

#### **SERVICING THE TRACTOR**

Most accidents can be avoided by observing certain precautions. To help prevent accidents, read and take the following precautions before 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 the pressure to escape before removing the cap entirely.
2. Do not smoke while refuelling the tractor. Keep any type of open flame away. Wait for the engine to cool before refuelling.
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. To prevent fire or explosion, keep open flames away from battery or cold weather starting aids. To prevent sparks which could cause explosion, use jumper cables according to instructions.
5. Do not attempt to service the air conditioning system. It is possible to be severely frost bitten or injured by escaping refrigerant. Special equipment and instruments are required to service the air conditioning system. See your authorized dealer for service.
6. Stop the engine before performing any service on the tractor.

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7. Escaping diesel/hydraulic fluid under pressure can penetrate the skin causing serious injury.
    - . 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.
    - . If fluid is injected into the skin, obtain medical attention immediately or gangrene may result.
  8. Do not modify or alter or permit anyone else to modify or alter the tractor or any of its components or any tractor function without first consulting an authorized dealer.
  9. 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.
  10. 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.
  11. Tractor wheels are very heavy. Handle with care and ensure, when stored, that they cannot fall and cause injury.
  12. Dispose of all drained fluids and removed filters properly.

## **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. In a closed container such as a fuel tank, these blends are more explosive than pure gasoline. Do not use these blends.
2. Never remove the fuel cap or refuel with the engine running.
3. Do not smoke while refuelling the tractor or when standing near fuel. Keep any type of open flame away.
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 genuine replacement cap. A non-approved 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 summer grade fuels are not held over and used in the winter.

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## **SAFETY CAB**

**Your tractor is equipped with a safety cab which must be maintained in a serviceable condition. Be careful when driving through doorways or working in confined spaces with low headroom.**

- 1. Do not modify, drill, weld or alter the safety cab in any way. Doing so could render you liable to legal prosecution in some countries.**
- 2. Never attempt to straighten or weld any part of the main frame or retaining brackets which have suffered damage. By doing so you may weaken the structure and endanger your safety. Replace all damaged parts.**
- 3. Do not secure any parts on the main frame or attach your safety cab with other than the special high tensile bolts and nuts specified.**
- 4. Never attach chains or ropes to the cab or main frame for pulling purposes.**
- 5. Never take unnecessary risks even though your safety cab affords you the maximum protection possible.**

Thank you so much for reading.  
Please click the “Buy Now!”  
button below to download the  
complete manual.



After you pay.

You can download the most  
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the world immediately.

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