

# NEW HOLLAND



## Operator's Manual

---

1116-BF Adapter Frame  
1116-H Auger Header

Issue 12-93

(Replaces All Previous Issues)



42111620

Reprinted

---

## TO THE OWNER:

This manual contains information concerning the operation, adjustment, and maintenance of your Model 1116-BF frame and Model 1116-H auger header. You have purchased a dependable machine, but only by proper care and operation can you expect to receive the performance and long service built into this machine. Please have all operators read this manual carefully and keep it available for ready reference.

This machine was designed to be powered and propelled by a Versatile Model 276 Bidirectional™ Tractor, Ford Model 276 Bidirectional™ Tractor, or Ford Model 9030 Bidirectional™ Tractor. It is intended to mow and windrow forage crops including, but not limited to, alfalfa and mixed hay/grasses on cultivated land.

Your Ford New Holland dealer will instruct you in the general operation of your header. (Refer to the "Delivery Report" at the back of this manual.) Your dealer's staff of factory-trained service technicians will be glad to answer any questions that may arise regarding the operation of your header.

Your Ford New Holland dealer carries a complete line of genuine Ford New Holland service parts. These parts are manufactured and carefully inspected in the same factories that built the adapter frame header and conditioner, to insure high quality and accurate fitting of any necessary replacement parts.



**CAUTION: THIS SYMBOL IS USED THROUGHOUT THIS BOOK WHENEVER PERSONAL SAFETY IS INVOLVED. TAKE TIME TO READ AND FOLLOW THE INSTRUCTIONS. BE CAREFUL!**

**CAUTION: PICTURES IN THIS MANUAL MAY SHOW PROTECTIVE SHIELDING OPEN OR REMOVED TO BETTER ILLUSTRATE A PARTICULAR FEATURE OR ADJUSTMENT.**

**BE CERTAIN, HOWEVER, TO CLOSE OR REPLACE ALL SHIELDING BEFORE OPERATING THE MACHINE.**

## IMPROVEMENTS

Ford New Holland Inc. is continually striving to improve its products. We reserve the right to make improvements or changes when it becomes practical and possible to do so, without incurring any obligation to make changes or additions to the equipment sold previously.



FORD NEW HOLLAND, INC., AND  
FORD NEW HOLLAND CANADA LTD.

## 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, but excluding the hydraulic lift cover and its components. Includes PTO clutch and PTO drop box on 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. _____	Basic Warranty Expires on _____ / _____ / _____
Retail Date _____ / _____ / _____	Extended Service Plan Expires on _____ / _____ / _____ (Subject to confirmation by FNH)
Purchaser _____ Date _____	Dealer _____ Date _____
Signature	Signature

---

# Ford 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.

## 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.

---

# CONTENTS

<b>SAFETY .....</b>	<b>0-5</b>
<b>SECTION 1 - GENERAL INFORMATION .....</b>	<b>1-1</b>
<b>SECTION 2 - OPERATION .....</b>	<b>2-1</b>
<b>SECTION 3 - LUBRICATION AND SERVICE .....</b>	<b>3-1</b>
<b>SECTION 4 - MAINTENANCE .....</b>	<b>4-1</b>
<b>SECTION 5 - TROUBLESHOOTING .....</b>	<b>5-1</b>
<b>SECTION 6 - OPTIONAL EQUIPMENT .....</b>	<b>6-1</b>
<b>SECTION 7 - SPECIFICATIONS .....</b>	<b>7-1</b>
<b>INDEX .....</b>	<b>7-5</b>
<b>DELIVERY REPORT .....</b>	<b>7-7</b>
<b>PUBLICATIONS ORDER FORM .....</b>	<b>7-11</b>

---

# OWNER ASSISTANCE

We at Ford New Holland and your Ford 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 Ford New Holland 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 10227  
Dallas, TX 75207  
Telephone: (214) 939-4919  
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 Ford New Holland's 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, or use the order form at the end of this manual.

---

# **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.*



## **CAUTION**

- 1. DO NOT WORK AROUND THE MACHINE IN LOOSE CLOTHING THAT MIGHT CATCH IN ANY OF THE MOVING PARTS. REMOVE WRISTWATCH AND RINGS.**
- 2. WEAR A SUITABLE HEARING PROTECTIVE DEVICE, SUCH AS EARMUFFS OR EARPLUGS, IF YOU ARE EXPOSED TO NOISE WHICH YOU FEEL IS UNCOMFORTABLE.**
- 3. KEEP ALL SHIELDS IN PLACE.**
- 4. DO NOT CLEAN, LUBRICATE, OR MAKE ANY ADJUSTMENTS ON THE MACHINE WHILE IT IS IN MOTION OR WHEN THE ENGINE IS RUNNING.**
- 5. PRACTICE OPERATING THE WINDROWER AT SLOW SPEEDS IN UNCROWDED PLACES UNTIL STEERING BECOMES NATURAL.**
- 6. NEVER SUDDENLY REVERSE THE WHEELS OR STOP OR BACK UP.**
- 7. DO NOT MAKE SHARP TURNS AT HIGH SPEED.**
- 8. DO NOT LEAVE THE CAB WHILE THE ENGINE IS RUNNING. BE SURE TO PLACE THE FNR (FORWARD, NEUTRAL, REVERSE) LEVER IN PARK, ENGAGE THE PARKING BRAKE, AND LOWER THE HEADER BEFORE LEAVING THE CAB.**
- 9. DO NOT START THE HEADER UNTIL YOU ARE CERTAIN EVERYONE IS CLEAR OF THE MACHINE AND HAVE MADE SURE NO TOOLS ARE LYING ON THE MACHINE.**
- 10. NEVER STAND DIRECTLY BEHIND THE MACHINE OR NEAR THE HEADER WHILE IT IS OPERATING.**
- 11. NEVER ATTEMPT TO PULL MATERIAL FROM THE CUTTER BAR, CONDITIONER, OR ANY OTHER AREA OF THE HEADER UNLESS THE ENGINE IS STOPPED, THE FORWARD-NEUTRAL-REVERSE LEVER IS IN NEUTRAL, AND THE PARKING BRAKE IS ENGAGED.**
- 12. DO NOT WORK UNDER A RAISED HEADER UNLESS IT IS SECURELY LOCKED.**
- 13. USE PROPER LIGHTS WHEN TRAVELING AFTER DARK ON HIGHWAYS. WHENEVER TRAVELING ON A HIGHWAY, TURN ON THE FLASHING LIGHTS, EXCEPT WHERE PROHIBITED BY LOCAL REGULATIONS. INSTALL AN SMV EMBLEM (SLOW MOVING VEHICLE) ON THE ENGINE END OF THE TRACTOR WHEN TRAVELING ON THE HIGHWAY.**
- 14. INSTALL A FIRE EXTINGUISHER IN THE CAB. KEEP THE ENGINE AREA CLEAN. REMOVE DUST, CHAFF, AND HAY TO PREVENT THE POSSIBILITY OF FIRES.**
- 15. DO NOT FILL THE FUEL TANK WHILE THE ENGINE IS HOT OR RUNNING.**
- 16. DO NOT SMOKE WHILE FILLING THE FUEL TANK OR SERVICING THE FUEL SYSTEM.**
- 17. ALWAYS BLOCK THE WHEELS WHEN WORKING ON, UNDER, OR AROUND THE MACHINE.**
- 18. ALWAYS USE THE OPERATOR'S SEAT BELT WHILE DRIVING THE MACHINE.**

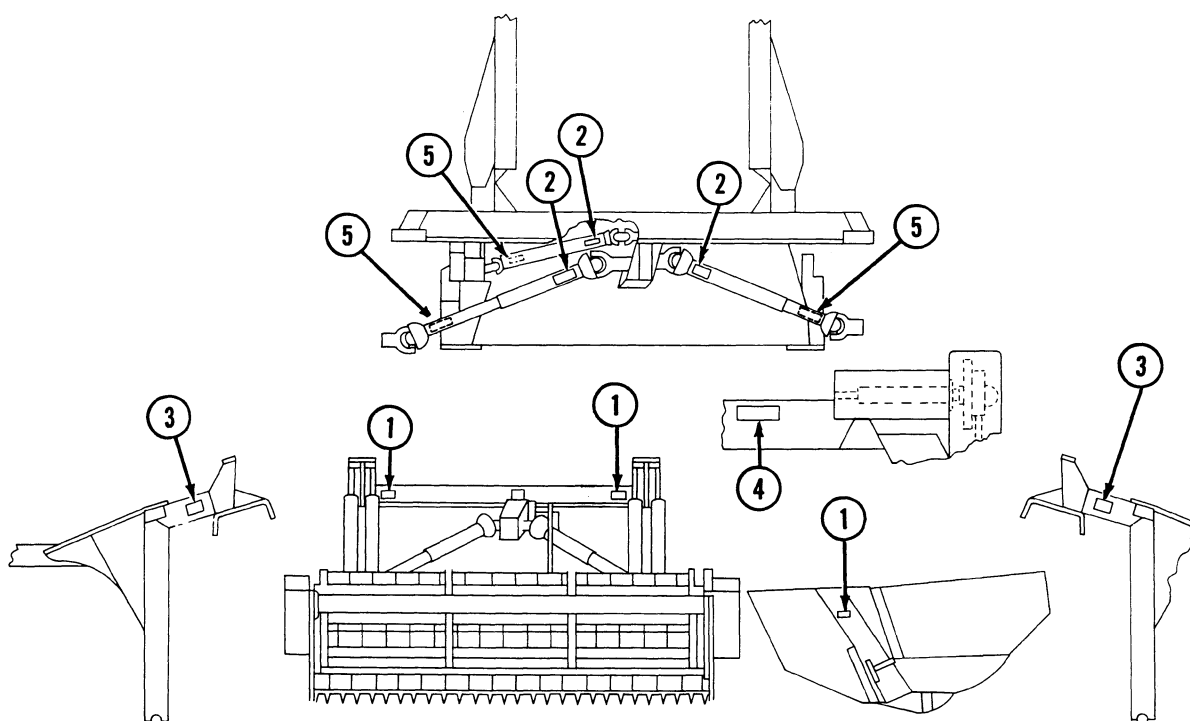


---

## SAFETY DECALS

The following safety decals have been placed on your machine in the areas indicated. They are intended for your personal safety and for those working with you. Please take this manual and walk around your machine to note the content and location of these warning signs. Review these warning signs and the operating instructions detailed in this manual with your machine operators.

Keep the decals legible. If they are not, obtain replacements from your Ford New Holland dealer.



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  
perfect and complete manual in  
the world immediately.

Our support email:  
[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)