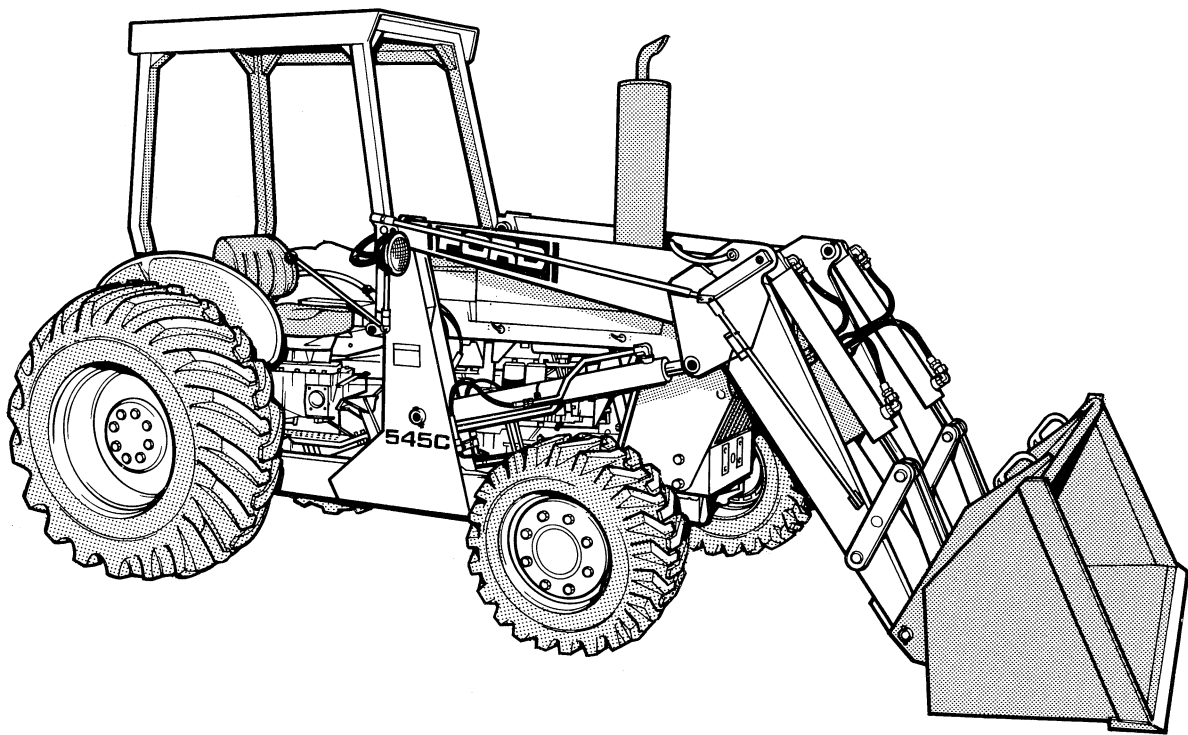


# FORD

## Operator's Manual

345C, 445C AND 545C TRACTOR LOADER



42034530

Reprinted



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

WARRANTY AND LIMITATION OF LIABILITY - COMMERCIAL PRODUCTS

COVERAGE PROVIDED

Ford New Holland Inc. or Ford New Holland Canada Ltd., hereinafter called the "Company" warrants to the retail purchaser of each new Ford brand Commercial 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:

BASIC WARRANTY

Table with 2 columns: Commercial Product and Warranty Period. Rows include TW Series Agricultural Tractors (36 Months./2500 Hrs.), Other Agricultural, Industrial and Utility Tractors (12 Months), Equipment, Attachments and Implements for Agricultural, Industrial and Utility Tractors (12 Months), and Compact Loaders (12 Months).

Extended Power Train Warranty for Series 1000 through 8000

Selected agricultural tractor power train components on all components on all Series 1000 through 8000 agricultural tractors are covered for a period of 24 months provided that the tractor has not been used more than a total of 1,500 hours. The power train components covered by this warranty consist 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 - 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.

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

- The obligation of the Company to the purchaser under this warranty is limited to the repair or replacement of defective parts, which will be made free of charge for both parts and labor using Ford New Holland service parts. Repair or replacement in accordance with this warranty shall constitute fulfillment of all liabilities of the Company and the Selling Dealer in respect to such Commercial Products.
• Repairs or replacements will be performed by the Selling Dealer, following delivery of the Commercial Product by the purchaser to the Selling Dealer's place of business.
• If the purchaser has moved a long distance from the Selling Dealer, any Ford New Holland dealer authorized to sell and service Ford brand Commercial 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.

WHAT IS NOT COVERED BY THE WARRANTY

1. This warranty shall NOT apply under the following conditions:
(i) With respect to vendor warranty items such as tires, tubes, engines and attachments.
(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 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 the 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 the Company, affects its performance, stability or reliability.
(v) With respect to batteries which are covered by a separate pro rata adjustment warranty.

2. This warranty shall **NOT** apply to normal maintenance services (such as tune-ups, fuel injection system cleaning and 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).
3. This warranty shall **NOT** apply to any Commercial Product which is distributed by anyone other than Ford New Holland Inc. or Ford New Holland Canada Ltd., through its authorized dealer. This warranty shall **NOT** apply to any Commercial Product which is normally operated outside of the United States and/or Canada.

**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 from state to state.

Ford New Holland Inc. or Ford New Holland Canada Ltd., does not authorize any person to create for it any other obligation or liability in connection with these commercial products. **TO THE EXTENT ALLOWED BY LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS APPLICABLE TO THIS COMMERCIAL 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 COMMERCIAL PRODUCT, LOSS OF TIME, INCONVENIENCE, COMMERCIAL LOSS OR CONSEQUENTIAL DAMAGES.**

Some states 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.

**RIGHT TO MAKE DESIGN CHANGES**

The 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.

**EXTENDED SERVICE PLAN (ESP)**

The optional extended service plan has been explained to me and I :

- accept and have signed the completed registration form
- decline the extended service plan

**PROTECTIVE EQUIPMENT**

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

- I acknowledge the existence of OSHA regulations pertaining to ROPS. \_\_\_\_\_
- A PTO master shield has been furnished with delivery of the machine. \_\_\_\_\_
- The correct Operator's Manual has been furnished. \_\_\_\_\_
- Safety precautions were explained to me by the selling dealer. \_\_\_\_\_

**ACKNOWLEDGEMENT**

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 \_\_\_\_\_  
SIGNATURE

Model \_\_\_\_\_

Date \_\_\_\_\_

Serial No. \_\_\_\_\_

## **DEAR CUSTOMER – PLEASE READ CAREFULLY**

The warranty coverage that is extended to your Ford Tractor is explained in the Warranty and Limitation of Liability, Ford Tractor and Equipment form. Your dealer will provide you with a copy of the warranty and retain a copy which you have signed. After you read the warranty, ask your dealer to explain any points that you may not understand.

Do not modify or alter or permit anyone else to modify or alter this tractor or any of its components or any tractor function without first consulting your Dealer. If you have any questions regarding tractor modifications contact Ford New Holland, Inc., at any one of the addresses shown overleaf.

Your safety and the safety of those around you depends upon the care and good judgment you use while operating this equipment. Read the safety precautions carefully.

For a complete list of the pre-delivery service checks performed by your dealer, refer to PRE-DELIVERY SERVICE on the upper portion of the following two pages. The first copy is your record of the service performed and the second copy, which is to be removed from the manual, is your dealer's record. **MAKE SURE THAT YOU AND THE DEALER SIGN BOTH COPIES.**

After you have operated your tractor for fifty hours, take the manual and your tractor to your dealer. He will then perform the factory recommended 50-HOUR SERVICE as listed on the lower portion of the following two pages – without charge – except for lubricants, hydraulic oil, or filters replaced as part of normal maintenance. **MAKE SURE THAT YOU AND THE DEALER SIGN BOTH COPIES.**

## **PARTS AND SERVICE CATALOGS AVAILABLE!**

Ford New Holland is pleased to announce to owners of Ford tractors and equipment the availability of numerous parts and service catalogs.

To obtain these catalogs merely fill out the order form available from your local authorized Ford New Holland Dealer. Your order will be processed promptly.

## **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) 491-3499

### **New Holland**

500 Diller Avenue  
New Holland, PA 17557  
Telephone: (717) 355-1112

### **Calgary**

Box 1616, Main P.O.  
Calgary, AB  
CANADA T2P 2M7  
Telephone: (403) 273-6771

### **Dallas**

P.O. Box 10227  
Dallas, TX 75207  
Telephone: (214) 939-4950

### **Fairfield**

P.O. Box 6100  
Fairfield CA 94533  
Telephone: (707) 423-9200

### **Toronto**

P.O. Box 7000  
Brampton, ON  
CANADA L6V 2M9  
Telephone: (416) 457-2720

### **Kansas City**

P.O. Box 14550  
Lenexa, KS 66219  
Telephone: (913) 888-7000

### **Troy**

1315 Coolidge Avenue  
Troy, MI 48084  
Telephone: (313) 637-9382

### **Minneapolis**

P.O. Box 1342  
Minneapolis, MN 55440  
Telephone: (612) 887-4232

3. If you need further assistance contact:

*Consumer Services Department  
Mail Station 500  
Ford New Holland, Inc.  
New Holland, PA 17557  
Telephone: (717) 355-1545*

When contacting Ford New Holland's branch office or Consumer Services 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.

**PRE-DELIVERY SERVICE – CHECK AND ADJUST AS REQUIRED**

**INOPERATIVE SERVICE CHECKS:**

- 1. Tire pressure.....
- 2. Air cleaner and hose connections.....
- 3. Radiator coolant level.....
- 4. All belt tensions.....
- 5. Battery cleanliness, vent openings, electrolyte level, and specific gravity not less than 1.240.....
- 6. Check all electrical cables and wire routings are away from sharp edges, moving parts and exhaust heat..
- 7. Engine oil level.....
- 8. Hydraulic system oil level (Loader).....
- 9. Transmission oil level.....
- 10. Rear axle oil level.....
- 11. Power steering reservoir oil level.....
- 12. Brake pedal free travel equalization and pedal lock.....
- 13. Front wheel toe-in.....
- 14. Lubricate hydraulic pump drive shaft.....
- 15. Front and rear wheel disc-to-hub nuts for tightness.....
- 16. Fuel level.....
- 17. Sheet metal and paint condition.....
- 18. Lubricate loader and chassis pivots.....
- 19. Drain diesel fuel filter and water sediment separator.....
- 20. Remove paint from finished surfaces (i.e. loader cylinder rods and valve spools).....

- 21. Front axle differential oil level (front wheel drive only).....
- 22. Front axle hub oil level (front wheel drive only).....
- 23. Check front weight clamp bolts for tightness.....
- 24. Check seat mounting and adjustment.....
- 25. Unit properly weighted.....
- 26. Loader pivot pin torque.....
- 27. Hydraulic lift Draft Control mainspring adjustment.....

**OPERATIVE SERVICE CHECKS:**

All operative checks are to be performed with the tractor at normal operating temperature.

- 1. Lights and instruments for proper operation.....
- 2. Fluid and oil leaks.....
- 3. Engine maximum no-load speed and idle speed adjustments and fuel shut-off.....
- 4. Throttle linkage adjustment.....
- 5. P.T.O. engagement and disengagement.....
- 6. Loader:
  - Control lever for proper operation.....
  - Hydraulic connections for leaks and hoses for proper position.....
  - Bucket level indicator for proper adjustment.....
  - Return-to-dig switch for proper adjustment.....

7. Hydraulic System:
- Lift control levers for Draft and Position Control operation.....
  - Flow control operation.....
  - Auxiliary Service control operation or remote control valve.....

**PERFORMANCE SERVICE CHECKS:**

- 1. Engine operation including throttle and governor operation.....
- 2. Transmission control lever operation.....
- 3. Transmission stall speed.....
- 4. Steering control.....
- 5. Differential lock engagement and disengagement.....
- 6. Brake action.....
- 7. All optional equipment and accessories.....

**SAFETY ITEMS CHECKS:**

- 1. ROPS installed.....
- 2. Seat belt installed.....
- 3. P.T.O. master shield installed.....
- 4. SMV emblem installed.....
- 5. Safety decals installed.....
- 6. Flashing lights/tail lights.....
- 7. Safety start switch operation.....
- 8. Park brake operation.....
- 9. Operator's Manual.....

INSPECTION PERFORMED – WARRANTY EXPLAINED    TRACTOR MODEL NO. .... TRACTOR SERIAL NO. ....  
 LOADER SERIAL NO. ....

owner's signature

date

dealer's signature

date

**50-HOUR SERVICE – CHECK AND ADJUST AS REQUIRED**

**INOPERATIVE SERVICE CHECKS:**

- 1. Tire pressure.....
- 2. Air cleaner, pre cleaner and hose connections.....
- 3. Drain diesel fuel filter and water separator and bleed system.....
- 4. Radiator coolant level.....
- 5. All belt tensions.....
- 6. Battery cleanliness, vent openings, electrolyte level, and specific gravity not less than 1.240.....
- 7. Check all electrical cables and wire routings are away from sharp edges, moving parts and exhaust heat..
- 8. Drain and refill engine oil.....
- 9. Renew engine oil filter.....
- 10. Renew hydraulic oil filters.....
- 11. Renew transmission oil filter.....
- 12. Brake pedal free travel equalization and pedal lock.....
- 13. Hydraulic system oil level.....
- 14. Transmission oil level.....
- 15. Power steering reservoir oil level.....
- 16. Rear axle oil level.....
- 17. Check front and rear wheel nuts for tightness.....

- 18. Adjust valve clearances.....
- 19. Lubrication fittings and pivots.....
- 20. Loader pivot pin torque.....
- 21. Change front axle differential oil (front wheel drive only).....
- 22. Change front axle hub oil (front wheel drive only).....
- 23. Clean, inspect and grease front wheel bearings (two wheel drive).....
- 24. Check front weight clamp bolts for tightness.....

**OPERATIVE SERVICE CHECKS:**

All operative checks are to be performed with the tractor at normal operating temperature.

- 1. Lights and instruments for proper operation.....
- 2. Fluid and oil leaks.....
- 3. Engine maximum no-load speed and idle speed adjustments and fuel shut-off.....
- 4. Throttle linkage adjustment.....
- 5. P.T.O. engagement and disengagement.....

- 6. Loader for proper operation and performance.....
- 7. Hydraulic lift for proper operation and performance.....

**PERFORMANCE SERVICE CHECKS:**

- 1. Engine operation including throttle and governor operation.....
- 2. Transmission, including control lever.....
- 3. Steering control.....
- 4. Differential lock engagement and disengagement.....
- 5. Brake action.....
- 6. All optional equipment and accessories.....

**SAFETY ITEMS CHECKS:**

- 1. ROPS bolt torque.....
- 2. Seat belt condition and bolt torque.....
- 3. Safety start switch.....
- 4. P.T.O. master shield installed.....

INSPECTION PERFORMED – WARRANTY EXPLAINED    TRACTOR MODEL NO. .... TRACTOR SERIAL NO. ....  
 LOADER SERIAL NO. ....

owner's signature

date

dealer's signature

date



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)