

Backhoe
Loader
555D
575D
655D
675D

OPERATOR'S MANUAL



NEW HOLLAND

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 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
New Holland North America, 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.

PRE-DELIVERY SERVICE – CHECK AND ADJUST AS REQUIRED

INOPERATIVE SERVICE CHECKS:

- 1. Tire pressure FR 40 P.S.I. RR 25 P.S.I.
- 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 134 D
- 9. Transmission oil level 134 D
- 10. Rear axle oil level 134 D
- 11. Power steering reservoir oil level 134 D
- 12. Brake pedal free travel equalization and pedal lock operation
- 13. Front wheel toe-in 0-1/4"
- 14. Lubricate hydraulic pump drive shaft
- 15. Front and rear wheel disc-to-hub nuts for tightness FR-2WD = 130 FT LBS, -4WD = 200 FT LBS, RR = 400 FT LBS
- 16. Fuel level
- 17. Sheet metal and paint condition
- 18. Lubricate loader, backhoe and chassis pivots
- 19. Drain diesel fuel filter and water sediment separator
- 20. Remove paint from finished surfaces (i.e. loader and backhoe cylinder rods and valve spools)
- 21. Front axle differential oil level (front wheel drive only) 134 D

- 22. Front axle hub oil level (front wheel drive only) 134 D
- 23. Unit properly weighted
- 24. Backhoe attaching bolt torque 715 FT LBS
- 25. Cab air filter installation

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 2350-2400 RPM and idle speed adjustments 680-850 RPM and fuel shut-off
- 4. Loader:
 - Control lever for proper operation
 - Hydraulic connections for leaks and hoses for proper position
 - Bucket level indicator and return to dig switch for proper adjustment
- 5. Backhoe:
 - Control lever for proper operation
 - Hydraulic connections for leaks and hoses for proper position
 - System and circuit relief valve pressures

- 6. Windshield wiper/washer 2 speed operation
- 7. Heater temperature control
- 8. Pressurizer fan 3 speed operation
- 9. Air conditioner operation

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. SMV emblem installed
- 4. Safety decals installed
- 5. Flashing lights/tail lights
- 6. Safety start switch operation
- 7. Park brake operation
- 8. Operator's Manual

INSPECTION PERFORMED – WARRANTY EXPLAINED TRACTOR MODEL NO. _____ TRACTOR SERIAL NO. _____
 BACKHOE SERIAL NO. _____

owner's signature _____ date _____ dealer's signature _____ date _____



50-HOUR SERVICE – CHECK AND ADJUST AS REQUIRED

INOPERATIVE SERVICE CHECKS:

- 1. Tire pressure FR 40 P.S.I. RR 25 P.S.I.
- 2. Air cleaner, pre cleaner and hose connections
- 3. Drain diesel fuel filter and water separator
- 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 filter
- 11. Renew transmission oil filter
- 12. Brake pedal free travel equalization and pedal lock
- 13. Hydraulic system oil level 134 D
- 14. Transmission oil level 134 D
- 15. Power steering reservoir oil level 134 D
- 16. Rear axle oil level 134 D
- 17. Check front and rear wheel nuts for tightness FR-2WD = 130 FT LBS, -4WD = 200 FT LBS, RR = 400 FT LBS

- 18. Adjust engine valve clearances
- 19. Lubrication fittings and pivots
- 20. Loader pivot pin torque
- 21. Change front axle differential oil (front wheel drive only) 134 D
- 22. Change front axle hub oil (front wheel drive only) 134 D
- 23. Clean, inspect and grease front wheel bearings (two wheel drive)
- 24. Check front weight clamp bolts for tightness
- 25. Cab air filter installation

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 2350-2400 RPM and idle speed 680-850 RPM adjustments and fuel shut-off
- 4. Throttle linkage adjustment
- 5. Loader for proper operation and performance

- 6. Backhoe for proper operation and performance
- 7. Windshield wiper/washer 2 speed operation
- 8. Heater temperature control
- 9. Pressurizer fan 3 speed operation
- 10. Air conditioner operation

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

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 BACKHOE SERIAL NO. _____

owner's signature _____ date _____ dealer's signature _____ date _____

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- 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 134 D
- 9. Transmission oil level 134 D
- 10. Rear axle oil level 134 D
- 11. Power steering reservoir oil level 134 D
- 12. Brake pedal free travel equalization and pedal lock operation
- 13. Front wheel toe-in 0-1/4"
- 14. Lubricate hydraulic pump drive shaft
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- 23. Unit properly weighted
- 24. Backhoe attaching bolt torque 715 FT LBS
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 - Hydraulic connections for leaks and hoses for proper position
 - System and circuit relief valve pressures

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- 3. Transmission stall speed
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- 6. Brake action
- 7. All optional equipment and accessories

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- 1. ROPS installed
- 2. Seat belt installed
- 3. SMV emblem installed
- 4. Safety decals installed
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- 7. Park brake operation
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owner's signature _____ date _____ dealer's signature _____ date _____

50-HOUR SERVICE – CHECK AND ADJUST AS REQUIRED

INOPERATIVE SERVICE CHECKS:

- 1. Tire pressure FR 40 P.S.I. RR 25 P.S.I.
- 2. Air cleaner, pre cleaner and hose connections
- 3. Drain diesel fuel filter and water separator
- 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
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- 6. Backhoe for proper operation and performance
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OPERATIVE SERVICE CHECKS:

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 - 4. Throttle linkage adjustment
 - 5. Loader 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

INSPECTION PERFORMED – WARRANTY EXPLAINED TRACTOR MODEL NO. _____ TRACTOR SERIAL NO. _____
 BACKHOE SERIAL NO. _____

owner's signature _____ date _____ dealer's signature _____ date _____

FOREWORD

This Manual has been prepared to assist you in the correct procedure for running-in, operation and maintenance of your new Ford tractor. It contains specific information on its many features; the attachments that are available; instructions for making minor repairs and adjustments; safety precautions; general specifications; suggested operating techniques; and the pre-delivery and 50 hour check lists.

Your tractor has been designed and built to give maximum performance, economy and ease of operation under a wide variety of operating conditions. Prior to delivery, the tractor was carefully inspected, both at the factory and by your Dealer to ensure that it reaches you in optimum condition. To maintain this condition and ensure trouble-free operation, it is important that the routine services, as specified in this Manual, are carried out at the recommended intervals.

Read this Manual carefully and keep it in a convenient place for future reference. If at any time you require advice concerning your tractor, do not hesitate to contact your Dealer. He has factory trained personnel, genuine Ford parts and the necessary equipment to carry out your service requirements.

A vehicle identification plate is located on the left-hand side of the steering console. If your tractor is equipped with front wheel drive option, then a similar plate is affixed to the rear right-hand side of the front axle casing. For convenience, the numbers shown on the plates should be recorded in the panels below and quoted to your Dealer should the tractor require service.

IND 300

Vehicle Identification Plate

11

Front Wheel Drive Axle Identification Plate (Optional)

“Ford New Holland, Inc., whose policy is one of continuous improvement, reserves the right to make changes in design and specifications at any time without notice and without obligation to modify units previously built.”

All data given in this manual is subject to production variations. Dimensions and weights are approximate only and the illustrations do not necessarily show tractors in standard condition. For exact information about any particular tractor please consult your Dealer.

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.

IMPORTANT: In this manual references are made to positions of switches and components as located to the Left Hand and Right Hand side of the vehicle. In all situations the position described is when the operator is seated on the vehicle and looking forward.

THE TRACTOR

1. Read the Operator's Manual carefully before using the tractor. Lack of operating knowledge can lead to accidents.
 2. 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.
 3. Use an approved ROPS or safety cab and seat belt for safe operation. Overturning a tractor without a ROPS or safety cab can result in death or injury.
 4. Always use the seat belt with the ROPS or safety cab.
 5. Use the handholds and step plates when getting on and off the tractor to prevent falls. Keep steps and platform clear 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. Remember that your tractor, if abused or incorrectly used can be dangerous and become a hazard both to the operator and bystanders. Do not overload or operate with attached equipment which is unsafe, not designed for the particular task or is poorly maintained.
 8. Replace all missing, illegible, or damaged safety decals.
 9. Keep safety decals clean of dirt and grime.
- 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.
7. Do not attempt to service the air conditioning system. It is possible to be severely frostbitten or injured by escaping refrigerant. See your dealer for service.
 8. 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.
 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. Never allow anyone to stand or work under or reach through the loader lift arms when the loader is raised, unless the loader cylinders are blocked in the extended position using the loader arm support, see Section D, page 4 for instructions.
 12. Never allow anyone to stand under or work under a raised backhoe bucket or boom.
 13. Never attempt to repair or tighten hoses under pressure.
 14. Always check pivot pins, snap rings and main attaching bolts daily.
 15. When it is necessary to remove pins from the backhoe or loader that require hammer and drift, use only a brass hammer and a brass drift and wear safety glasses.
 16. Do not lubricate or make mechanical adjustments while the unit is in motion or when the engine is running. However, if minor engine adjustments must be made, apply the parking brake, securely block the wheels, and use extreme caution. Be certain that the loader is fully lowered or supported so that it cannot fall.
 17. Always wear safety goggles when servicing or repairing the machine.
 18. When it is necessary to tow the tractor, do not exceed 5 miles/h (8.0 km/h). Avoid towing the tractor over long distances. Tow only according to instructions in this manual.
 19. Adequately support the backhoe or loader when they are detached from the tractor.
 20. Some components on your tractor, such as the cylinder head gasket may contain asbestos. Breathing asbestos dust is dangerous to your health. You are therefore advised to have any maintenance or repair operations on such components carried out by your Dealer. If, however, service operations are to be undertaken on parts that contain asbestos, the essential precautions listed below must be observed:

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 fires or explosions keep open flames away from battery or cold weather starting aids. To prevent sparks which could cause explosion, use booster cables according to instructions in this manual.
5. Stop the engine, apply the handbrake and lower the loader and backhoe to the ground before performing any service on the tractor.
6. Escaping hydraulic/diesel 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.

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