

FORD

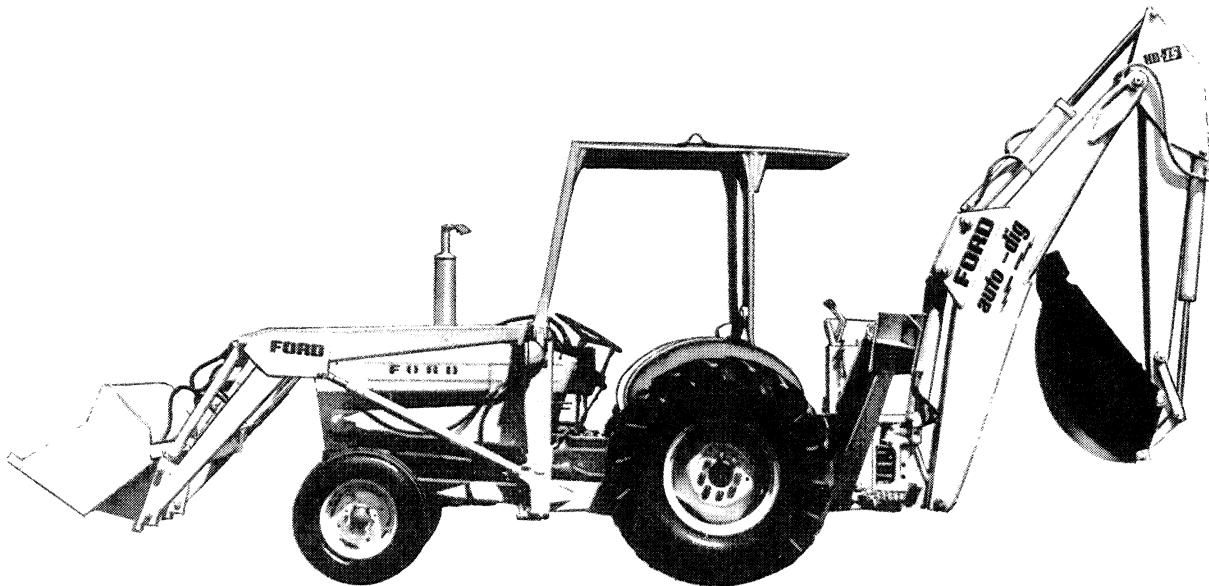


NEW HOLLAND

Operator's Manual

Industrial Tractors
3400, 3500, 3550, 4400, 4500

42340040



Reprinted

foreword

This manual has been prepared to assist you in the proper break-in, daily care, and operation of your new Ford Tractor. It also contains specific information on the many built-in features of the tractor, the accessories and options that are available, general specifications of the tractor, safety precautions, instructions for making minor adjustments, and your tractor service policy.

Although every tractor is carefully inspected before leaving the factory and also by your Ford Tractor-Equipment Dealer prior to delivery, it is important to follow regularly scheduled service periods as recommended in this manual.

The information in this manual applies to the Ford 3400, 3500, 4400, and 4500 Industrial Tractors. Where differences exist, specific information is presented for each model.

Read this manual carefully before operating your tractor, and keep it in a convenient location for later reference. If, at any time, you have a service problem concerning your new tractor, remember that your Ford Tractor-Equipment Dealer has factory-trained service personnel, Genuine Ford Parts, and the necessary tools and equipment to best satisfy your service needs.

FORD TRACTOR OPERATIONS

FORD MOTOR COMPANY

ISSUED TO:

ISSUED BY:

OWNER'S NAME

FORD TRACTOR-EQUIPMENT DEALER

MAILING ADDRESS

CITY

CITY

STATE — ZIP CODE

STATE — ZIP CODE

DELIVERY DATE

PLEASE READ CAREFULLY:


The **TRACTOR SERVICE POLICY** on page ii is your assurance that your Ford Tractor-Equipment Dealer has properly inspected and prepared your new tractor for delivery. Because the policy must be used whenever you request authorized service, we recommend that you keep this manual in a safe, convenient place.

The **WARRANTY** on page iii explains the coverage which is extended to your tractor during the warranty period. After you read the warranty ask your dealer to explain any points which you do not understand.

For a complete list of the pre-delivery service checks performed by your dealer, refer to the **PRE-DELIVERY Service Report** on the upper portion of pages 77 and 79. The copy on page 77 is your record of the service performed, and the copy on page 79, 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 the tractor for 50 hours take your tractor and this manual to your selling dealer. He will perform the factory recommended 50 hour service. You will be responsible for the cost of lubricants, filters and other items replaced as part of normal maintenance. Prior to taking the tractor to your selling dealer for service, it is recommended that you contact them to determine any other charges for which you may be responsible.

A **VEHICLE IDENTIFICATION PLATE** is located on the inside of the right-hand hood panel. The numbers on the plate are important should your tractor require future service. For your convenience, have your dealer record the numbers in the appropriate space below.

	
TRACTOR NUMBER	
<input type="text"/>	
MODEL	UNIT
<input type="text"/>	<input type="text"/>
ENGINE	
<input type="text"/>	
TRANSMISSION	REAR AXLE
<input type="text"/>	<input type="text"/>
HYDRAULIC PUMP	HYDRAULIC LIFT
<input type="text"/>	<input type="text"/>

*whatever your service needs . . .
whatever your parts or accessories
requirements . . . your Ford Tractor-
Equipment Dealer is equipped
to serve you better . . . for less!*

When you see this "sign of service" it means that your Ford Tractor—Equipment Dealer is prepared to give you top quality service for your tractor and implements. Whether it's in the shop or emergency service in the field, he's using factory approved methods to keep your equipment in top operating condition . . . to keep you "on the go."



Service Center

Genuine Ford Tractor and Equipment parts are made better . . . to fit better . . . to last longer. Because they are designed specifically for Ford Equipment these parts will give you top value in long, dependable service. Always insist on genuine Ford parts for dependability.



Authorized Service

GENUINE PARTS

TRACTOR OPERATOR SAFETY



TO THE OPERATOR:

Please read and follow these Safety Precautions to prevent your possible injury when operating your Ford Tractor.



TRACTOR OPERATOR SAFETY

The following precautions are suggested
to help prevent personal injury

A careful operator is the best operator. Most accidents can be avoided by observing certain precautions. Read and take the following precautions before operating this tractor to help prevent accidents. 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. Use an approved Rollbar and Seat Belt for safe operation. Overturning a tractor without a rollbar can result in death or injury. If your tractor is not equipped with a rollbar and seat belt, see your Ford Tractor-Equipment Dealer.
3. Always use the seat belt when the rollbar is installed. Do not use the seat belt if the rollbar is removed from the tractor.
4. If a front end loader is to be installed, always use a FOPS canopy to avoid injury from falling objects. See your Ford Tractor-Equipment Dealer for a FOPS.
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 or implement. There is no safe place for extra riders.
7. Replace all missing, illegible, or damaged safety decals. (Safety decal kit is available from your dealer.)
8. Keep safety decals clean of dirt and grime.

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 system is hot. Always turn cap slowly to the first stop and allow the pressure to escape before removing the cap entirely.
2. Stop engine, wait for engine to cool down and remove cap slowly before refueling. Do not smoke or have an open flame.
3. Keep the tractor in good operating condition for your safety. An improperly maintained tractor can be hazardous.
4. Keep open flame away from battery or cold weather starting aids to prevent fires or explosions. Use jumper cables according to instructions to prevent sparks which could cause explosion.



TRACTOR OPERATOR SAFETY (Cont'd.)

The following precautions are suggested
to help prevent personal injury

SERVICING THE TRACTOR (Cont'd.)

5. Stop the engine before performing any service on the tractor.
6. Do not attempt to service air conditioning system. It is possible to be severely frostbitten or injured by escaping refrigerant. See your dealer for service.
7. 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 a Ford Tractor-Equipment Dealer.
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 part of the fuel injection system. Failure to follow these instructions can result in serious injury.
9. Never inflate tires to over 35 psi (2.4 bar) to seat beads. Over inflation may break bead or rim with explosive force sufficient to cause serious injury. See Operator's Manual for correct pressure.

OPERATING THE TRACTOR

1. Apply the parking brake or brake lock, place the P.T.O. 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 before starting the tractor.
2. Do not start the engine or operate controls while standing beside the tractor. Always sit in the tractor seat when starting the engine or operating controls.
3. Do not bypass the safety start switch. Consult your Ford Tractor-Equipment Dealer if your safety 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 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, place P.T.O. in "OFF" position, completely lower all hydraulic lift equipment and apply the parking brake before getting off the tractor.
7. Do not park the tractor on a steep incline.



TRACTOR OPERATOR SAFETY (Cont'd.)

The following precautions are suggested
to help prevent personal injury

OPERATING THE TRACTOR (Cont'd.)

8. Do not operate the tractor engine in an enclosed building without adequate ventilation. Exhaust fumes can cause death.
9. If power steering or engine ceases operating, stop the tractor immediately.
10. Pull only from the 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 upset rearward. If pulling from linkage drawbar, be sure stay braces are properly installed.
11. If the front 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.
12. Always set the hydraulic selector lever in 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 implement.
13. Do not leave equipment in the raised position.
14. Use the Flasher/Turn Signal Lights and SMV signs when traveling on public roads both day and night unless prohibited by law.
15. Dim tractor lights when meeting a vehicle at night. Be sure the lights are adjusted to prevent blinding an oncoming vehicle operator.

DRIVING THE TRACTOR

1. Watch where you are going especially at row ends, on roads, around trees and low hanging obstacles.
2. To avoid overturns drive the tractor with care and at speeds compatible with safety, especially when operating over rough ground, when crossing ditches and slopes, and when turning corners.
3. Lock tractor brake pedals when transporting on roads to provide two wheel braking.
4. Keep the tractor in the same gear when going downhill as used when going uphill. Do not coast or free wheel downhill.
5. Any towed vehicle whose total weight exceeds that of the towing tractor must be equipped with brakes for safe operation.



TRACTOR OPERATOR SAFETY (Cont'd.)

The following precautions are suggested
to help prevent personal injury

DRIVING THE TRACTOR (Cont'd.)

6. When the tractor is stuck or tires frozen to the ground, back out to prevent upset.
7. Always check overhead clearance especially when transporting the tractor.

OPERATING THE P.T.O.

1. When operating the P.T.O. driven equipment, shut off the engine, shift P.T.O. control to neutral and wait until the P.T.O. 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 P.T.O. driven equipment, always apply the tractor parking brake or brake lock and block the rear wheels front and back.
4. To avoid injury, do not clean, adjust, unclog or service P.T.O. driven equipment when the tractor engine is running.
5. Make sure the P.T.O. master shield is installed at all times and always replace the P.T.O. shaft cap when the P.T.O. is not in use.
6. When operating rotary cutters, flail mowers or other equipment with rotating members, keep all shields in place and do not allow persons to be near the equipment.

LOADER/BACKHOE OPERATION

1. Always be sure of water, gas, sewage and electrical line locations before you start to dig.
2. Watch out for overhead and underground high-voltage electrical lines when operating the loader or backhoe.
3. Operate the loader or backhoe controls only when properly seated at the controls.
4. Never attempt to lift loads in excess of loader or backhoe capacity.
5. Always lower the loader and backhoe buckets to the ground, shut off the engine and apply the parking brake or brake lock before getting off the unit.



TRACTOR OPERATOR SAFETY (Cont'd.)

The following precautions are suggested
to help prevent personal injury

LOADER/BACKHOE OPERATION (Cont'd.)

6. Always be watchful of bystanders when operating the loader, when lowering the stabilizers, or when operating the backhoe.
7. Use care when operating on steep grades to maintain proper stability. Always carry the bucket as low as possible.
8. Never attach chains, ropes, cables, etc., to the loader or backhoe for pulling purposes.

LOADER OPERATION

1. Do not transport anyone in the loader bucket.
2. Always carry the loader bucket low for maximum stability and visibility, whether the bucket is loaded or empty.
3. Always use the recommended amount of counterweighting to ensure good stability.
4. Be careful when handling large objects such as round bales, logs, poles, etc. Lifting too high or rolling bucket too far back could result in these objects rolling or sliding rearward down the loader arms on the operator.
5. Never allow anyone to get under the loader bucket or reach through the lift arms when the bucket is raised unless the lift arms are properly supported.
6. Exercise caution when operating the loader with a raised loaded bucket or fork.

BACKHOE OPERATION

1. Never allow anyone to get under the backhoe bucket when the bucket is raised.
2. To prevent upsets, avoid full reach and swinging the backhoe bucket to the downhill side when operating on a slope.
3. Watch out for overhead and underground high-voltage electrical lines when operating the backhoe.
4. Do not enter the platform from the rear.
5. Always attach the backhoe transport chains or other locking devices before transporting.
6. Always place all transmission controls in neutral before operating backhoe.



TRACTOR OPERATOR SAFETY (Cont'd.)

The following precautions are suggested
to help prevent personal injury

MAINTENANCE

1. Whenever servicing or replacing pins in cylinder ends, buckets, etc., always use a brass drift and a hammer. Failure to do so could result in injury from flying metal fragments.
2. Always keep the brakes and power steering system in good operating condition.
3. Always wear safety goggles when servicing or repairing the machine.
4. Hydraulic oil escaping under pressure may be nearly invisible and have enough pressure to penetrate skin. Always use cardboard, etc. to locate leaks; never use your hand.

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.**

GASOLINE AND GASOHOL FUEL

1. Gasohol (10% ethyl and 90% gasoline) is more volatile than gasoline alone. It is more hazardous to use and extremely dangerous to mix yourself. Handle it more carefully than gasoline.
2. Never remove the fuel cap or refuel the tractor with the engine running or hot.
3. Do not smoke while refueling or when standing near fuel.
4. Maintain control of the fuel filter 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 the Ford cap approved for your model tractor. A non-approved cap may not be safe.
9. Do not drive equipment near open fires.
10. Never use fuel for cleaning purposes.
11. Arrange fuel purchases so that winter grade fuels are not held over and used in the spring.

When you see this symbol



it means: **ATTENTION! BECOME ALERT!
YOUR SAFETY IS INVOLVED!**

Thank you so much for reading.
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button below to download the
complete manual.



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