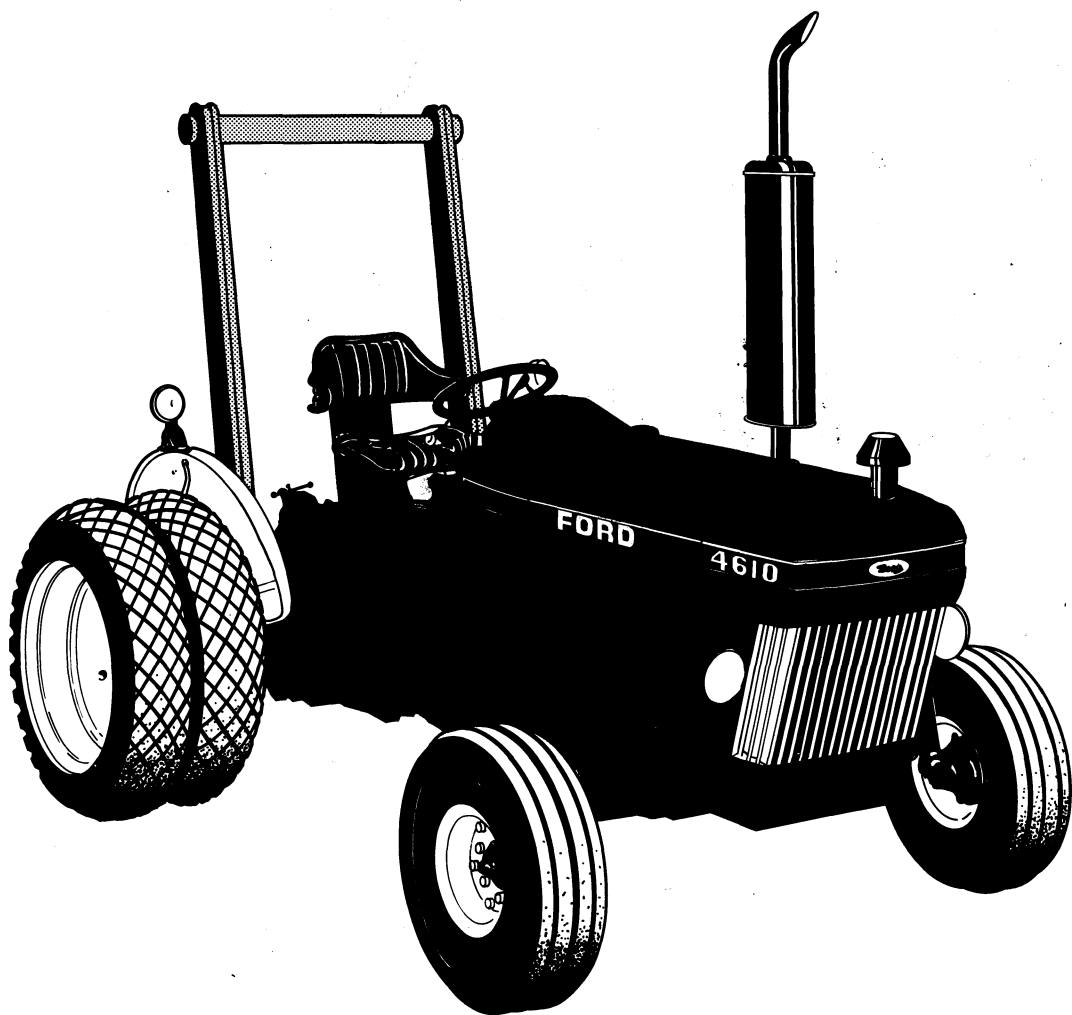




2910-4610 LCG



OPERATOR'S MANUAL

42291020
Reprint



S-20765



S-20766

FOREWORD

This manual has been prepared to assist you in the proper break-in, daily care, and operation of your new Ford tractor. It contains information about the many features of the tractor, operator safety precautions, maintenance, and instructions for making minor adjustments.

Your tractor has been carefully inspected before leaving the factory and again before leaving your Ford Tractor-Equipment Dealer to assure that it is ready to go. To keep the tractor in this condition, it is important that you maintain and lubricate your tractor as recommended in this manual.

The information in this manual applies to the 2910 and 4610 LCG tractors:

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:

| | |
|-----------------|----------|
| _____ | |
| Owner's Name | |
| _____ | |
| Mailing Address | |
| _____ | |
| City | |
| _____ | _____ |
| State | Zip Code |

ISSUED BY:

| | |
|-------------------------------|----------|
| _____ | |
| Ford Tractor-Equipment Dealer | |
| _____ | |
| City | |
| _____ | _____ |
| State | Zip Code |
| _____ | |
| Delivery Date | |

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 a Ford tractor Dealer. If you have any questions regarding tractor modifications contact the Ford Tractor Operations of Ford Motor Company.

Ford Tractor Operations recommends that you equip your tractor with a Roll Over Protective Structure (ROPS) or safety cab and seat belts. ROPS and safety cabs are effective in reducing injuries during tractor accidents. Overturning a tractor without a ROPS or safety cab can result in serious injury or death.

Roll Over Protective Structure (ROPS) and seat belts are standard on your Ford tractor. If your tractor is not equipped with a ROPS or safety cab and seat belts see your Ford Tractor Equipment Dealer.


Your safety and the safety of those around you depends upon the care and good judgement 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 pages 65 and 67. The copy on page 65 is your record of the service performed, and the copy on page 67, 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 pages 65 and 67 — 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.

A machine identification plate is located on the inside of the right 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.

This tractor is equipped with a new Ford engine. During manufacturing, the cylinder walls of some engines are sleeved. Both sleeved and unsleeved engines have the same operating characteristics.

| | |
|---|----------------|
|  | |
| TRACTOR NUMBER | |
| [] | |
| MODEL | UNIT |
| [] | [] |
| ENGINE | |
| [] | |
| TRANSMISSION | REAR AXLE |
| [] | [] |
| HYDRAULIC PUMP | HYDRAULIC LIFT |
| [] | [] |

PARTS AND SERVICE CATALOGS AVAILABLE

Ford Tractor Operations is pleased to announce the availability of parts and service catalogs to owners of Ford tractors and equipment.

To obtain these catalogs merely fill out the order form available from your local authorized Ford Tractor-Equipment Dealer. Mail with your remittance to Helm Inc. Your order will be processed promptly.

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SAFETY PRECAUTIONS

The following precautions are suggested to help prevent accidents.

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. If a front end loader is to be installed, always use a FOPS canopy to avoid injury from falling objects.
4. 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.
5. Do not permit anyone but the operator to ride on the tractor. There is no safe place for extra riders.
6. Replace all missing, illegible, or damaged safety decals. See list of decals on pages 63 and 64.
7. 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 the system is hot. Always turn cap slowly to the first stop and allow the pressure to escape before removing the cap entirely.
2. Do not smoke while refueling the tractor. Keep any type of open flame away. Wait for the engine to cool before refueling.
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.
5. Stop the engine 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 carboard 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.
7. 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.
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 a Ford Tractor-Equipment 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 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 has caused skin cancer in animal tests. Avoid prolonged contact with used engine oil. Wash skin promptly with soap and water.

OPERATING THE TRACTOR

1. Apply the parking brake, 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 neutral start switch. Consult your Ford Tractor-Equipment Dealer if your neutral 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 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.
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.
11. If the front end 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 upsets 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 down hills.
5. Any towed vehicle whose total weight exceeds that of the towing tractor must be equipped with brakes for safe operation.
6. When the tractor is stuck or tires are 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 P.T.O. driven equipment, shut off the engine 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 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. shield cap when the P.T.O. is not in use.

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.**

2. Never remove the fuel cap or refuel with the engine running or hot.
3. Do not smoke while refueling or when standing near fuel.
4. Maintain control of the fuel filler pipe nozzle when filling the tank.
5. Do not fill the 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 Ford approved 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 winter grade fuels are not held over and used in the spring.

MAINTENANCE

Your ROPS must be maintained in a servicable condition. Be careful when driving through doorways or working in confined spaces with low headroom.

Under no circumstances

1. - - - modify, drill or alter the ROPS in any way as doing so could render you liable to legal prosecution.
2. - - - 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.
3. - - - secure any parts on the main frame or attach your ROPS with other than the special high tensile bolts and nuts specified.
4. - - - attach chains or ropes to the ROPS for pulling purposes.
5. - - - take unnecessary risks even though your ROPS affords you the maximum protection possible.























Whenever you see this symbol



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

UNIVERSAL SYMBOLS

As a guide to the operation of your tractor, various universal symbols are shown below with an indication of their meaning.

| | | | |
|---|------------------------------|---|-------------------------------------|
|  | Engine speed (rev/min x 100) |  | Battery |
|  | Hours recorded |  | Heater temperature control |
|  | Engine water temperature |  | Air conditioner temperature control |
|  | Fuel level |  | Fan |
|  | Fuel cut-off |  | Wipe/wash control |
|  | Lights |  | Power take-off (on) |
|  | Horn |  | Power take-off (off) |
|  | Engine oil pressure |  | "Tortoise," slow or minimum setting |
|  | Air filter |  | "Hare," fast or maximum setting |
|  | Transmission oil pressure |  | Pressurized open slowly |
| | |  | Remote cylinder extended |
| | |  | Remote cylinder retracted |

CONTROLS AND INSTRUMENTS

Before operating your new tractor, familiarize yourself with the location and function of all the controls and instruments described on the following pages.

The instruments and warning lights are located so you can tell at a glance when the tractor is operating properly. The warning lights also warn you of trouble before it becomes a serious problem.



**Know your controls and instruments
to assure Safe Operation**

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



After you pay.

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perfect and complete manual in
the world immediately.

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