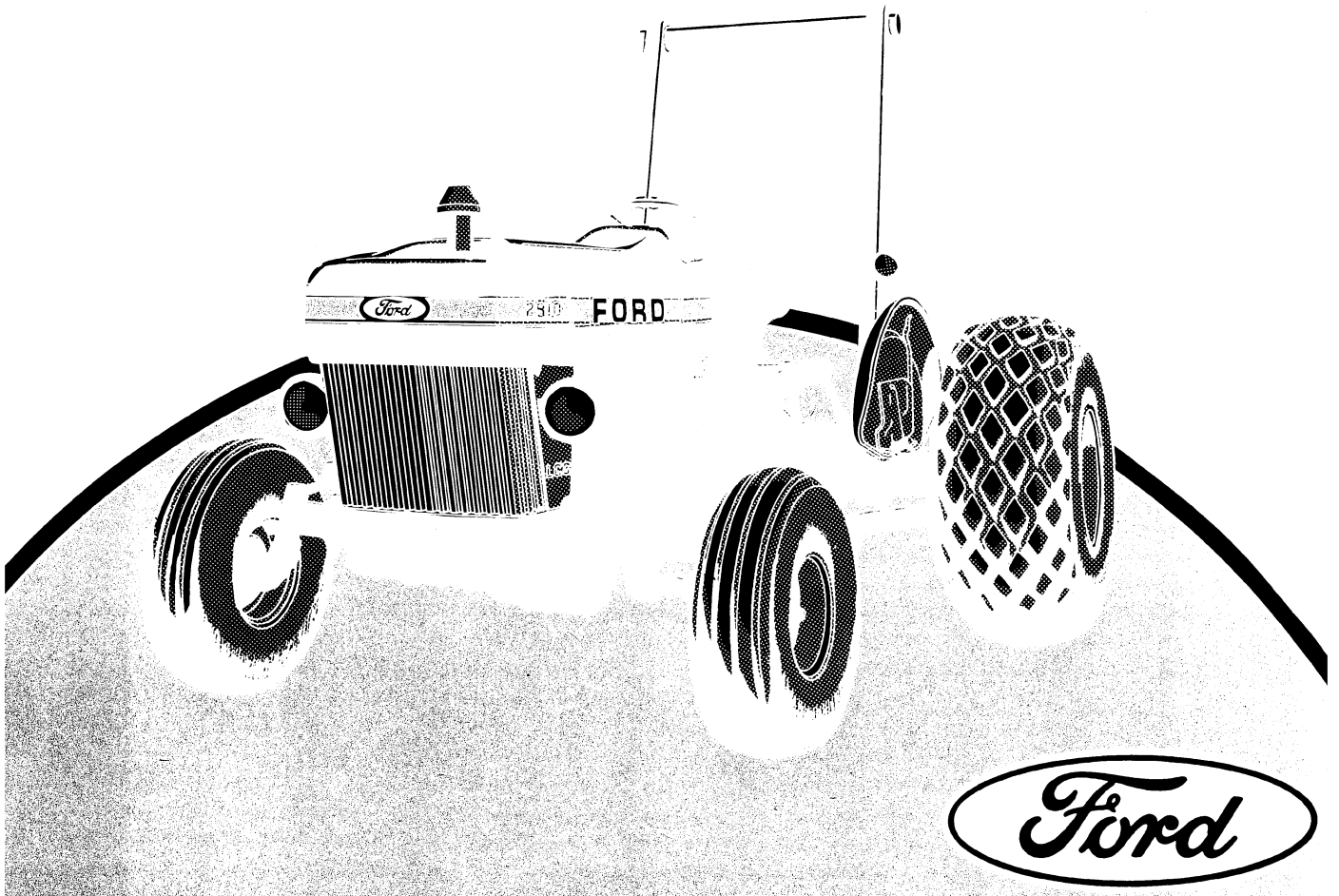


OPERATOR'S MANUAL 2910 LCG-4610 LCG LOW CENTER OF GRAVITY



42291010 Reprinted



S-15348



S-15349

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	

INTERNATIONAL SYMBOLS

As a guide to the operation of your tractor, various international symbols have been utilized on the instruments and controls. The symbols are shown below with an indication of their meaning.

	Engine speed (rev/min x 100)		Alternator Charge
	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
	Front axle drive engaged		Remote cylinder extended
	Front axle drive disengaged		Remote cylinder retracted

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 Tractors 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 do 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), safety cabs and seat belts are available for 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 63 and 65. The copy on page 63 is your record of the service performed, and the copy on page 65, 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 63 and 65 — 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 vehicle 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.

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

The image shows a rectangular identification plate form with a black background and white text. At the top center is the Ford logo. Below it are several white rectangular boxes for recording information, each with a label above it. The labels and their corresponding boxes are: TRACTOR NUMBER (one wide box), MODEL (one wide box) and UNIT (one wide box), ENGINE (one wide box), TRANSMISSION (one wide box) and REAR AXLE (one wide box), HYDRAULIC PUMP (one wide box) and HYDRAULIC LIFT (one wide box).

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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. 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. 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 page 61 and 62.
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 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 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. 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.

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 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 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 or slopes, and when turning corners.

(Continued)

SAFETY PRECAUTIONS (Continued)

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 hill.
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 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 takeoff, 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 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 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.

When you see this symbol



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

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 centrally 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**



— CONTROLS AND INSTRUMENTS

ROLL OVER PROTECTIVE STRUCTURE (ROPS)

A roll over protective structure (ROPS) and seat belts were standard equipment for this tractor at time of factory assembly. If the ROPS was deleted by the original purchaser or has been removed, it is recommended that you equip your tractor with a Roll Over Protective Structure (ROPS) and seat belts. ROPS are effective in reducing injuries during tractor overturn accidents. Overturning a tractor without a ROPS can result in serious injury or death.

Roll Over Protective Structure (ROPS), and seat belts are available from your Ford Tractor Equipment Dealer.

DAMAGE TO THE ROPS

If the tractor has rolled over or the ROPS has been in some other type of accident (such as hitting an overhead object during transport) you must replace the ROPS to get the original protection.

After an accident, check for damage to (1) the ROPS, (2) the operator's seat, (3) the seat belt and the seat belt mountings. Before you operate the tractor, replace all damaged parts.

DO NOT TRY TO WELD OR STRAIGHTEN THE ROPS

TRACTOR SEAT

Your new Ford tractor is equipped with a pan seat, Figure 1, a deluxe contoured seat, Figure 2, or a super comfort seat, Figure 3.

Pan Seat — The seat can be moved forward and back for maximum comfort. Remove the attaching nuts, Figure 1, and position the seat as desired. The seat also can be tilted back.

Deluxe Contoured Seat — The seat can be moved up and back, or down and forward by loosening the height adjustment nuts shown in Figure 2 (2 nuts on each side). The seat can also be moved forward or back without changing its height by loosening the nuts at the base of the seat and sliding the seat in either direction.

To adjust the seat for flotation, turn the flotation adjustment knob right for a firm ride, or left for a soft ride, Figure 2.

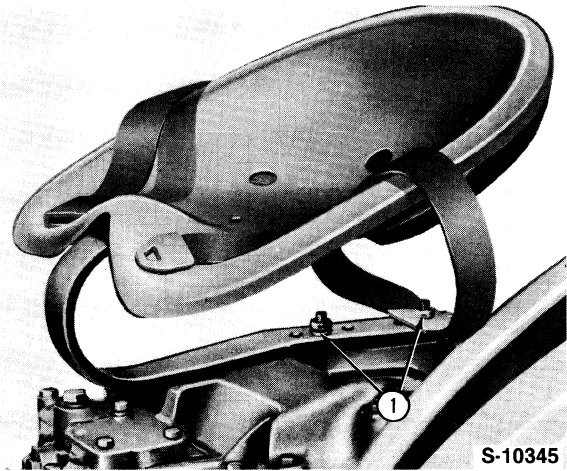


Figure 1
Pan Seat

1. Attaching Nuts

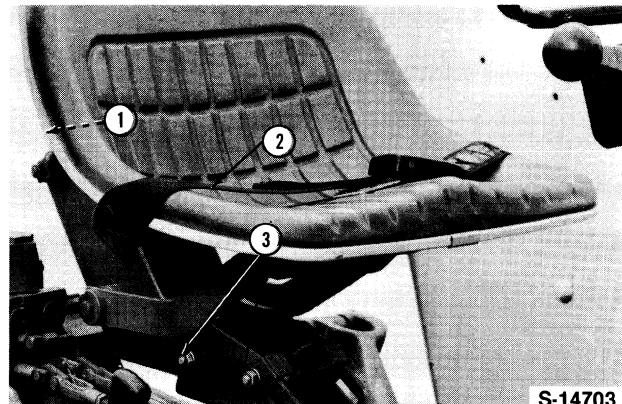


Figure 2
Deluxe Contoured Seat

1. Flotation Adjustment Knob
2. Seat Belt
3. Height Adjustment Nuts

Tilt the seat back when not in use to protect it from the weather.

NOTE: If your tractor is equipped with a seat belt, a latch under the front of the seat must be released before the seat can be tilted back.

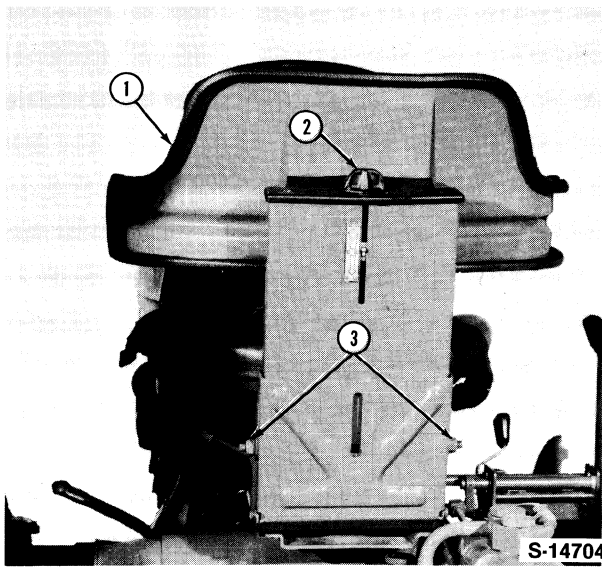


Figure 3

Super Comfort Seat

1. Super Comfort Seat
2. Weight Adjustment Knob
3. Seat Back Adjustment Nuts



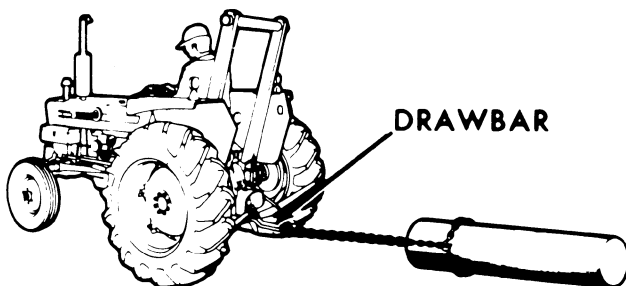
WARNING: Always use the seat belt when the tractor is equipped with a ROPS. DO NOT use the seat belt if the ROPS is removed from the tractor.



WARNING: DO NOT attach chains or ropes to the roll bar for pulling purposes since the tractor can tip backward. Always pull from the tractor drawbar. Be careful when driving through door openings or under low overhead objects. Make sure there is sufficient overhead clearance for the roll bar.



WARNING: If the ROPS cab is removed or replaced, make certain the proper hardware is used and the recommended torque values are applied to the attaching bolts.



ADJUSTING THE SEAT BELT

To lengthen the belt, tip the buckle end down and pull on the buckle until the ends can be joined.

To shorten the belt, buckle it, then pull on the loose end until the belt is snug.

If the seat belt is to be cleaned, use soap and water. Do not use carbon tetrachloride, naphtha, etc., as these will weaken the webbing. Also, for the same reason, do not bleach or dye the webbing.

The seat belt should be examined every 6-12 months and should be replaced if it is frayed, worn, or shows signs of deterioration.

FLASHING WARNING LIGHT

Your new Ford Tractor is equipped with a flashing warning light, Figure 4. Push the switch on the lamp housing, Figure 4. Push the switch on the lamp housing to turn the light on or off. The light switch (10), Figure 5, must be on before the flasher will operate.

IMPORTANT: For your protection, use the flasher warning light when traveling on public roads with day and night unless prohibited by law.

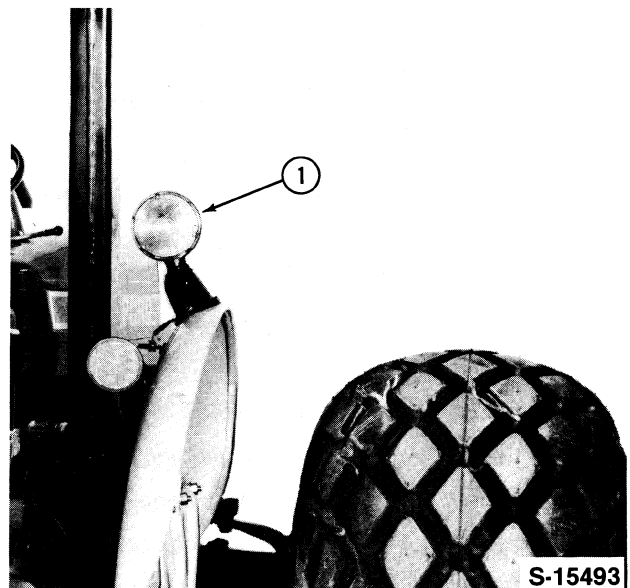


Figure 4

Flashing Warning Light

1. Flashing Warning Light

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