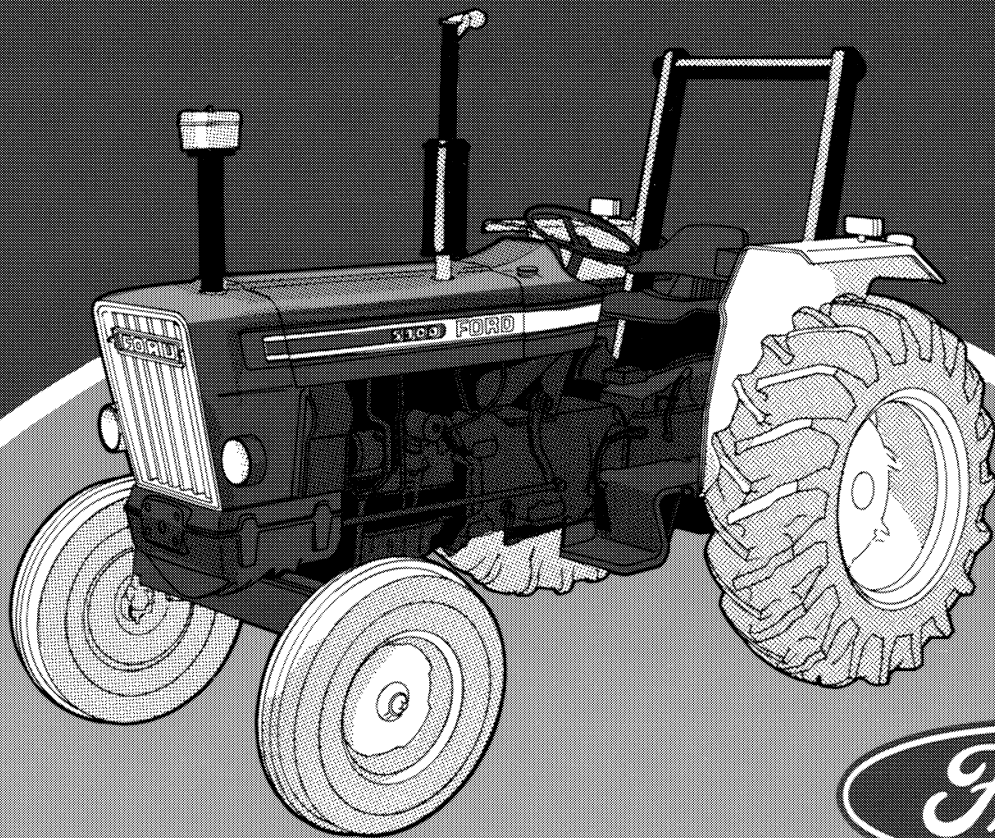


# OPERATOR'S MANUAL

# 5900



42590010

# CONTENTS

|   | Page  |
|---|-------|
| <b>Safety Precautions</b>               | 6-7   |
| <b>Controls and Instruments</b>         | 9     |
| seat, light, and engine controls        | 10-13 |
| brake controls                          | 14    |
| transmission and PTO controls           | 15    |
| hydraulic lift system controls          | 16    |
| <b>Operation</b>                        | 19    |
| break-in procedures                     | 20    |
| starting the engine                     | 20    |
| stopping the engine                     | 21    |
| operating the transmission and PTO      | 22    |
| towing the tractor                      | 24    |
| operating differential lock             | 24    |
| operating hydraulic lift system         | 24    |
| lift linkage and drawbar                | 28    |
| wheel tread settings                    | 30    |
| tractor weighting                       | 30    |
| <b>Lubrication and Maintenance</b>      | 37    |
| lubrication and maintenance chart       | 38    |
| lubricants                              | 59    |
| fuel and lubricant service procedures   | 40    |
| general maintenance                     | 47    |
| tractor storage                         | 55    |
| <b>Specifications</b>                   | 57    |
| <b>Decals</b>                           | 63    |
| <b>Pre-Delivery and 50-Hour Service</b> | 65,67 |

# 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. If a front end loader is to be installed, always use a ROPS canopy to avoid injury from falling objects.
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. There is no safe place for extra riders.
7. Replace all missing, illegible, or damaged safety decals. See list of decals on page 63.
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. 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 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 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 upset 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.

(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 downhill.
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 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 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 filler 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 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**

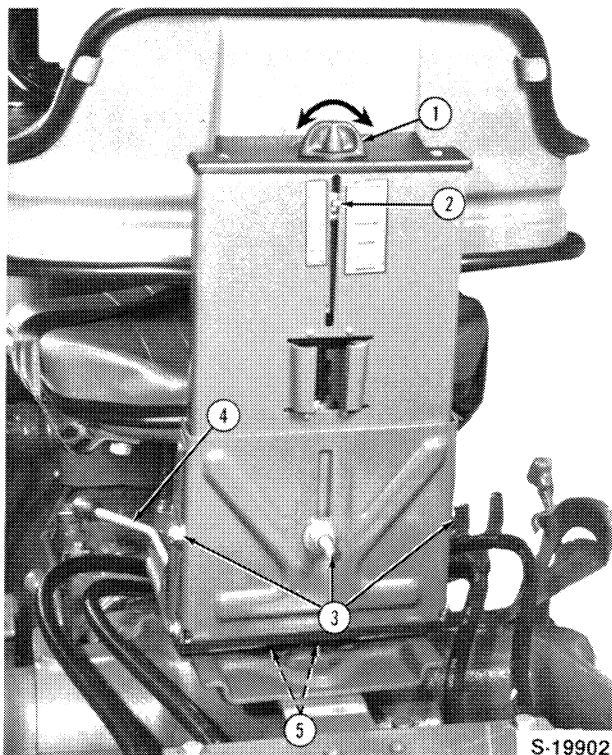


## SEAT, LIGHT, AND ENGINE CONTROLS

### TRACTOR SEAT

Your new Ford Tractor is equipped with a deluxe seat, Figure 1.

Adjust the seat to your weight by turning the knob (1). Raise or lower the seat by loosening the height adjustment nuts (3). Slide the seat ahead or back by depressing the seat track latch (4). If more fore-aft adjustment is required than that provided in the seat track, the two seat assembly mounting bolts may be loosened and the seat slid ahead or back in the seat frame mounting slots (5).



**Figure 1**  
**Deluxe Seat**

- |                                |  |
|--------------------------------|--|
| 1. Weight Adjustment Knob      | 4. Seat Track Latch                        |
| 2. Weight Adjustment Indicator | 5. Seat Frame Mounting Bolts (not visible) |
| 3. Seat Height Adjustment Nuts |  |

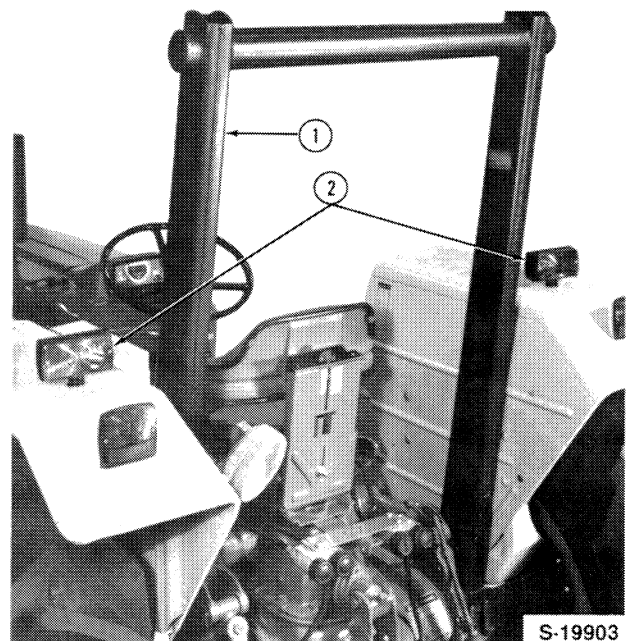
### ROLL OVER PROTECTIVE STRUCTURE (ROPS)

A roll over protective structure (ROPS) and seat belts were standard equipment for this tractor at time of fac-

tory 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 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.

All tractors equipped with a ROPS, Figure 2, are also equipped with a seat belt which, when used by the operator, maximizes the protection offered by the ROPS. ALWAYS use your seat belt when the ROPS is installed—seat belts save lives when they are used. Do not use your seat belt when the ROPS is not installed on the tractor.



**Figure 2**  
**Roll Over Protective Structure (ROPS)**  
1. Two-Post ROPS      2. Flashing Warning Light

### MAINTENANCE AND INSPECTION OF THE ROPS

After the first 20 hours of operation and after every 500 hours of operation or six months, whichever comes first, do the following:

1. Check the torque of the ROPS mounting bolts. If necessary, tighten the bolts to the correct torque, 180-220 lbs. ft. (244-298 Nm).
2. Check the operator's seat and the mounting parts for the seat belt. Tighten the bolts to the correct torque. Replace parts that have wear or damage.

### POSSIBLE 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.



**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 seat belt, tip the buckle end down, then 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 must be cleaned, use soap and water. Do not use carbon tetrachloride, naphtha, etc., to clean

the belt since these chemicals will weaken the belt 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.

### ENGINE CONTROLS KEY-STARTER SWITCH

The key-starter switch is shown at (1), Figure 3. See page 20 for starting instructions. The positions are shown in Figure 4.

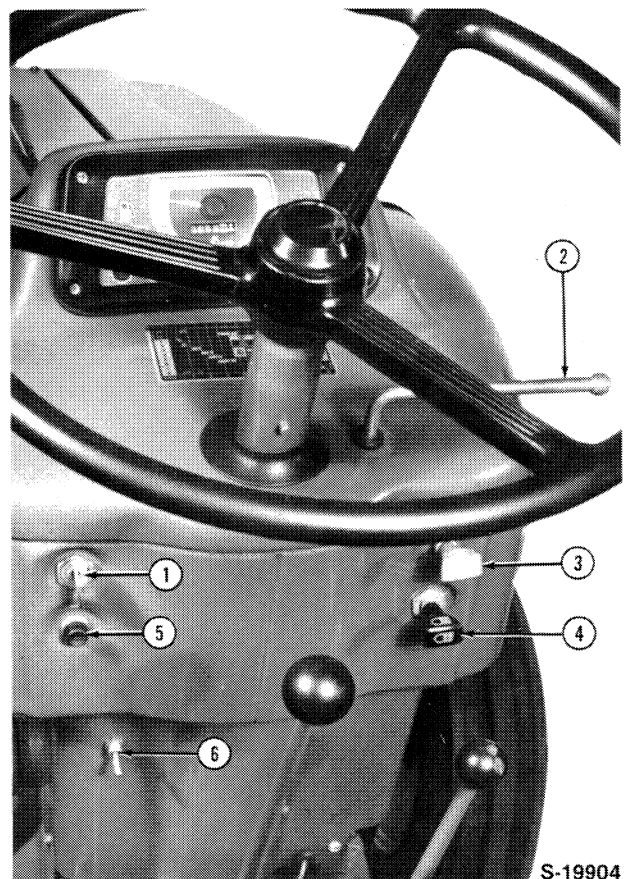
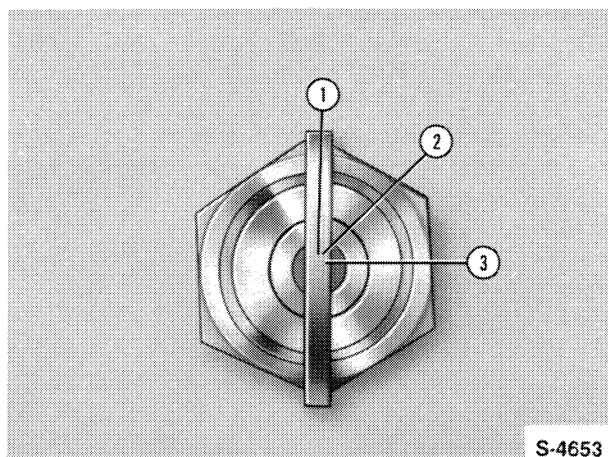


Figure 3

#### Instrument Panel Controls

- |                        |                                   |
|------------------------|-----------------------------------|
| 1. Key-Starter Switch  | 5. Horn Button                    |
| 2. Hand Throttle       | 6. Flashing Warning Lights Switch |
| 3. Diesel Stop Control |                                   |
| 4. Light Switch        |                                   |



S-4653

**Figure 4**  
**Key- Starter Switch Positions**

- 1. Off
- 2. On
- 3. Start

## HAND THROTTLE CONTROL LEVER

Move the throttle lever rearward, Figure 3, to increase engine rpm, forward to decrease engine rpm.

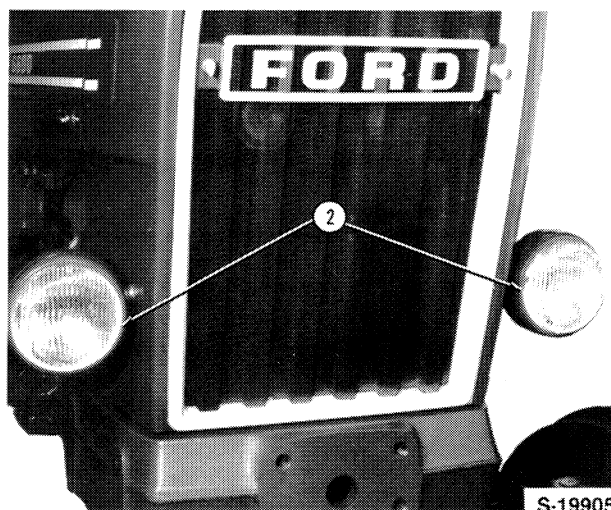
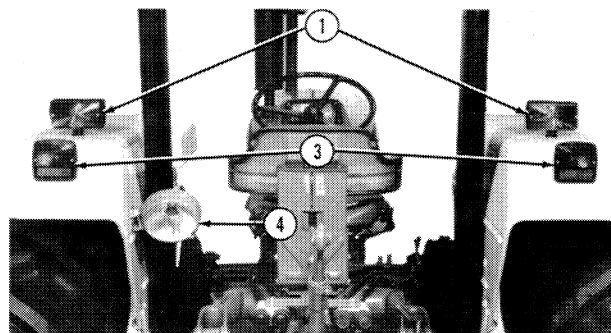
## DIESEL ENGINE STOP

The diesel engine stop control, shown in Figure 3, is used with the key-starter switch to stop and start the engine. Push the control in before starting the engine. Pull the control out to stop the engine. See page 21 for additional information.

## MAIN LIGHT SWITCH

The main light switch (4), Figure 3, is a rotating switch. Positions are:

- First Position (full left) — OFF
- Second Position — Front work lights, rear work light, instrument lights, tail lights.
- Third Position — Dim road lights, rear work light, instrument lights, tail lights.
- Fourth Position — Bright road lights, rear work light, instrument lights, tail lights.



S-19905

**Figure 5**  
**Tractor Lights**

- 1. Flashing Warning Lights
- 2. Headlamps
- 3. Tail Lights
- 4. Work Light

**NOTE:** The rear work light can be turned on and off with a switch on the light when the main light switch is on.

## FLASHING WARNING LIGHTS

Your tractor is equipped with two flashing warning lights activated by a separate switch (6), Figure 3.

**NOTE:** For your protection use the flasher lights both day and night when traveling on public roads unless prohibited by law. Local regulations vary regarding flashing lights and turn signals. Check the local regulations and have your Ford Tractor-Equipment Dealer make any necessary modifications.

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)