

# FORD

OPERATOR'S MANUAL

# TW-30

# FOREWORD

DEAR CUSTOMER — PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING YOUR TRACTOR AND KEEP IT IN A CONVENIENT LOCATION FOR FUTURE REFERENCE.

This manual has been developed to assist you in understanding how to operate and maintain your Ford Tractor. It contains a list of safety precautions, a discussion of the controls and instruments, procedures for operating the tractor, a maintenance schedule, a brief troubleshooting section, and a specification section. The manual also contains a list of pre-delivery and 50 hour checks which will be performed by your Ford Tractor-Equipment Dealer.

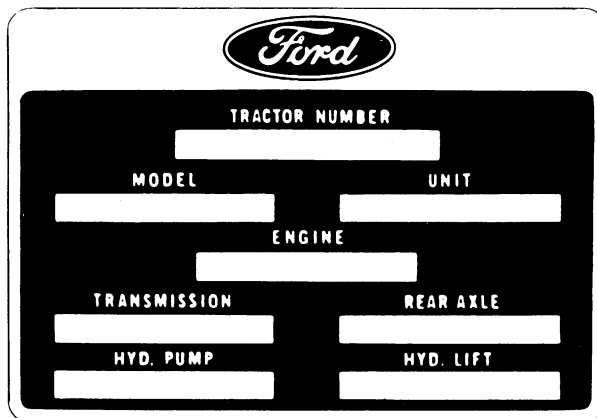
Your Ford Tractor was carefully inspected by the factory and by your Ford Tractor-Equipment Dealer to be certain that it is ready to go. Follow the break-in, operation, and maintenance instructions to keep it in this "ready to go" condition.

The complete list of pre-delivery checks made by your dealer is on pages 97 and 99. Both copies should be completed and signed by you and the dealer. Retain the copy on page 97. Your dealer will keep the copy on page 99.

At or shortly after fifty hours operation, take your tractor and this manual to your dealer. He will perform the fifty hour checks listed on pages 97 and 99 without charge, except for lubricants or filters which are replaced as part of normal maintenance. Both copies of the 50 hour checks should be completed; the dealer retains the copy on page 99 and you retain the copy on page 97.

The warranty coverage on 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 form and retain a copy which you have signed. Read the warranty and ask your dealer to explain any point which you do not understand.

A vehicle identification plate is located between the radiator and front fuel tank and is accessible by sliding the right grille panel forward. The numbers on the identification plate and the information listed below are important if your tractor requires service in the future. For your convenience have the dealer record the information in the spaces below.



The image shows a rectangular identification plate with a black background and white text. At the top center is the Ford logo. Below it, the text "TRACTOR NUMBER" is followed by a white rectangular box. Underneath, "MODEL" and "UNIT" are written above two white boxes. In the center, "ENGINE" is written above a white box. Below that, "TRANSMISSION" and "REAR AXLE" are written above two white boxes. At the bottom, "HYD. PUMP" and "HYD. LIFT" are written above two white boxes.

\_\_\_\_\_  
Delivery Date

\_\_\_\_\_  
Owner's Name





















\_\_\_\_\_  
Owner's Address

\_\_\_\_\_  
Ford Tractor-Equipment Dealer

\_\_\_\_\_  
Dealer's Address

# 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		Caution

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# SAFETY PRECAUTIONS

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.

## SERVICING THE TRACTOR

6. 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.
7. Do not smoke while refueling the tractor. Keep any type of open flame away. Wait for engine to cool before refueling.
8. Keep the tractor in good operating condition for your safety. An improperly maintained tractor can be hazardous.
9. 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.
10. Stop the engine before performing any service on the tractor.
11. 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.
12. 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.

## OPERATING THE TRACTOR

13. 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.
14. 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.
15. Do not bypass the safety start switch. Consult your Ford Tractor-Equipment Dealer if your safety start controls malfunction. Use jumper cables only in recommended manner, improper use can result in tractor runaway.
16. Do not get off the tractor while it is in motion.
17. Shut off the engine and apply the parking brake before getting off the tractor.

18. Do not park the tractor on a steep incline.
19. Do not operate the tractor engine in an enclosed building without adequate ventilation. Exhaust fumes can cause death.
20. If power steering or engine ceases operating, stop the tractor immediately.
21. Pull only from the swinging drawbar or the lower link drawbar in the down position. 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.
22. 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.
23. Always set the hydraulic selector lever in position control when attaching equipment, when transporting equipment. Be sure hydraulic couplers are properly mounted and will disconnect safely in case of accidental detachment of implement.
24. Do not leave equipment in the raise position.
25. Use the Flasher/Turn Signal Lights and SMV signs when traveling on public roads both day and night unless prohibited by law.
26. 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

27. Watch where you are going especially at row ends, on roads, around trees and any low hanging obstacle.
28. To avoid upsets drive the tractor with care and at speeds compatible with safety, especially when operating over rough ground, crossing ditches, slopes, and when turning.
29. Lock tractor brake pedals when transporting on roads to provide two wheel braking.
30. Keep the tractor in the same gear when going downhill as used when going uphill. Do not coast or free wheel down hills.
31. Any towed vehicle whose total weight exceeds that of the towing tractor must be equipped with brakes for safe operation.
32. When the tractor is stuck or tires frozen to the ground, back out to prevent upset.

## OPERATING THE P.T.O.

33. 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.
34. Do not wear loose clothing when operating the power take-off, or when near rotating equipment.
35. When operating stationary P.T.O. driven equipment, always apply the tractor parking brake and block the rear wheels front and back.
36. Do not add dressing, install or remove the belt while the belt pulley is in motion.
37. To avoid injury, do not clean, adjust, unclog or service P.T.O. driven equipment when the tractor engine is running.
38. Make sure the P.T.O. master shield is installed at all time and always replace the P.T.O. shaft cap when the P.T.O. is not in use.

Whenever you see this symbol



it means:

**ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!**

## **CONTROLS AND INSTRUMENTS**

Before operating the tractor, become familiar with the controls and instruments discussed in this section.

After familiarizing yourself with the controls and instruments, follow the subsequent instructions in the Operation Section to obtain optimum and safe performance from the tractor.



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

## GENERAL INFORMATION

### ROLL OVER PROTECTIVE STRUCTURES AND SEAT BELTS

The Ford TW30 can be equipped with a two-post Roll Over Protective Structure (ROPS) or a Ford-Built Safety Cab as shown in Figure 1.

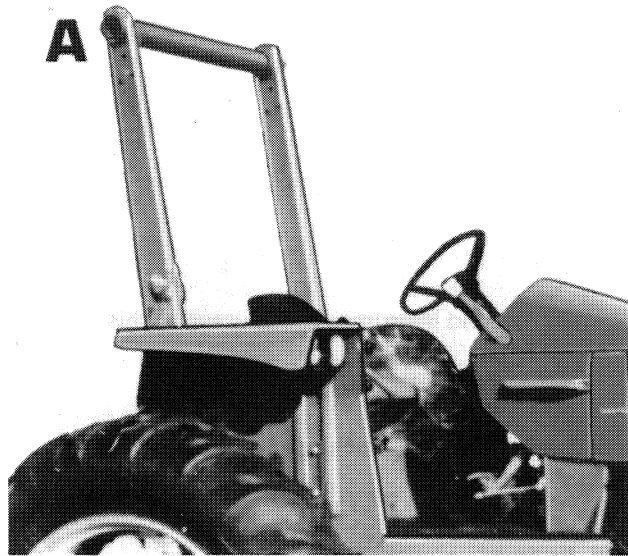


Figure 1

#### Roll Over Protective Structures (ROPS)

- A. 2 Post ROPS
- B. Ford-Built Safety Cab (ROPS)

If your tractor is equipped with a two-post ROPS or a Ford-Built Safety cab, it is equipped with a seat belt.



**CAUTION:** Always wear the seat belt when the tractor is equipped with a ROPS or Safety Cab. Never wear the seat belt if the tractor does not use a ROPS or Safety Cab.

### ADJUSTING THE SEAT BELT

To lengthen the belt, tip the buckle end down and pull on the buckle.

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

**NOTE:** If the seat belt is to be cleaned, use soap and water. Do not use carbon tetrachloride, naphtha or other cleaning agents to clean the belt. Also, do not dye the belt. Such cleaning agents and dye will weaken the belt webbing.

### MOUNTING AND DISMOUNTING

The Ford TW30 is equipped with steps and convenient hand holds to aid the operator in mounting and dismounting. Never mount or dismount the tractor from the rear.

### SEATS

Ford TW30 tractors are standard equipped with a Bostrom Viking Seat, Figure 2. The seat has five adjustments as follows: ride firmness, raise or lower rear of seat, raise or lower front of seat, move seat fore and aft, and backrest angle.

To adjust for a firmer ride, turn the adjustment lever (2) to position the (+) up, then ratchet the lever up and down. To adjust for a softer ride, position the (—) up and ratchet the lever up and down.

To adjust the rear of the seat (3) up and down, pull the rear of the seat up and push rearward, then position as desired.

To adjust the front of the seat up or down, pull the release lever (4) and position the seat as desired.

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