

**FORD** *Commander 6000*

# TRACTOR

**OPERATOR'S  
MANUAL**


Reprinted

42600010

## TRACTOR SERVICE POLICY

Before you received your new tractor, your Ford Tractor-Equipment Dealer performed a comprehensive pre-delivery inspection of the cooling system, front end, rear end, engine, transmission, and hydraulic system.

The Tractor Service Policy is your guarantee that the dealer properly inspected and prepared your new tractor for delivery. The policy must be used whenever you request authorized tractor service. We recommend you keep it in a safe, convenient place.

AUTHORIZED	
	
TRACTOR-EQUIPMENT DEALER'S	
TRACTOR SERVICE POLICY	
OWNER'S NAME _____	
MAILING ADDRESS _____	
CITY _____	STATE _____
TRACTOR MODEL _____	
SERIAL NUMBER _____	
DELIVERY DATE _____	
ISSUED BY: _____	
FORD TRACTOR-EQUIPMENT DEALER	
CITY _____	STATE _____
<small>This Tractor Service Policy is valid only when issued with a new Ford Tractor that is sold and delivered to the above-named owner by the undersigned Ford Tractor-Equipment Dealer, and if signed by said owner at the time of issuance.</small>	
DEALER'S SIGNATURE _____	
OWNER'S SIGNATURE _____	

## PRE-DELIVERY INSPECTION

For a complete list of the pre-delivery inspections performed by your dealer, refer to the Service Policy under the Pre-Delivery and 50-Hour Inspection Report.

## 50-HOUR INSPECTION

After you have operated your tractor for a period of fifty hours, see your Ford Tractor-Equipment Dealer. At this time, he will perform the factory-recommended 50-Hour Inspection without charge, except for lubricants, hydraulic oils, or filters which are replaced as a part of normal maintenance procedures. Remember that the dealer is interested in your tractor's performance. See him periodically for continued good service.

# **FOREWORD**

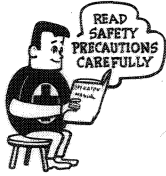
This manual has been prepared to assist you in the proper break-in, daily care, and operation of your new Ford Tractor. It also contains specific information on the many built-in features of the tractor; the accessories and options that are available; suggested safety precautions, and the specifications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

The Ford Motor Company has exercised every care in the design, selection of materials, and the manufacture of this tractor, based on world-wide experience gained from more than fifty years of tractor production. Every tractor is carefully inspected before leaving the factory and also by your Ford Tractor-Equipment Dealer prior to delivery. To make the most of these quality features, it is important to establish regularly scheduled service periods as recommended in this manual.

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 DIVISION  
FORD MOTOR COMPANY**

## SAFETY PRECAUTIONS



1. When leaving the tractor where it is available to children or others who are not familiar with its operation, it is suggested that the hydraulic system be relieved of pressure to prevent accidents. This can be done after the engine has stopped by pumping the brake pedals or by raising and lowering the lift control lever until hydraulic action is no longer obtained.

2. Do not permit anyone to ride on the tractor with the operator.
3. The operator should never leave the tractor when the tractor is in motion.
4. Use care when operating on steep grades to maintain proper stability.
5. Always drive the tractor at speeds slow enough for safety, especially when operating over rough ground, near ditches, or turning.
6. Keep the tractor in gear when going downhill.
7. To slow the tractor when operating at high speeds, use transmission braking by downshifting through the gears, rather than by using the tractor brakes.
8. Always shut off the engine when leaving the tractor.

9. Make sure to select park (P) when parking the tractor.
10. Always keep the tractor brakes in proper operating condition.
11. Do not refuel the tractor when the engine is overheated or running.
12. Keep the tractor keys where they are not available to children.
13. Never run the tractor engine in a closed building. Carbon monoxide fumes from the exhaust system are very dangerous and cannot easily be detected because they are odorless.
14. Always pull from the drawbar. Pulling from the top link or rear axle is extremely dangerous.
15. Always make sure the engine is stopped and the P.T.O. drive disengaged when cleaning or adjusting P.T.O.-driven implements.
16. Never smoke or expose open flame when transferring fuel from the storage tank to the tractor fuel tank.
17. Never add fuel to the tank with the engine running.

**Refer to page 4 for Special Safety Precautions for LP-Gas Tractors.**

The Tractor Division of the Ford Motor Co. being a member of the National Safety Council is privileged to use the Green Cross to denote safety instructions in operator's manuals.



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## SPECIAL PRECAUTION FOR LP-GAS TRACTORS



1. Do not fill the fuel tank beyond the 80% liquid level recommendations.
2. Do not leave the fuel overflow valve open during fuel transfer operations.
3. When stopping the engine inside of a building, always close the withdrawal valves and run the engine to burn off the fuel in the tank lines and regulators before turning off the key-starter switch. It is advisable to follow this same procedure in stopping the engine for long periods of standing.
4. Never service any of the LP-Gas components before making certain that there is no pressurized liquid or vapor in the lines beyond the closed withdrawal valves.
5. Do not operate an LP-Gas tractor with faulty or loose fuel line connections.
6. Never start the tractor engine after overnight storage until adequate ventilation has been provided to rid the enclosure of possible low-lying gas fumes. LP-fuel in the gaseous state is heavier than air.
7. Follow the rules governing tractor storage as prescribed by your local fire marshal.
8. Do not permit unqualified persons to operate or service your LP-Gas tractor at any time.





The controls on your new Ford Tractor are designed for easy operation and are located within comfortable reach of the tractor seat, thereby reducing driver fatigue.

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

Before attempting to start or operate your new tractor, familiarize yourself with the location and function of all controls and instruments as described on the following pages.

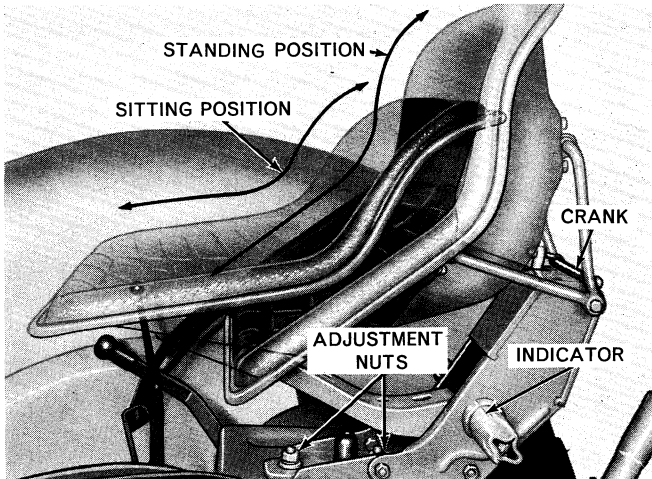


*Know your controls and instruments  
to assure Safe Operation.*

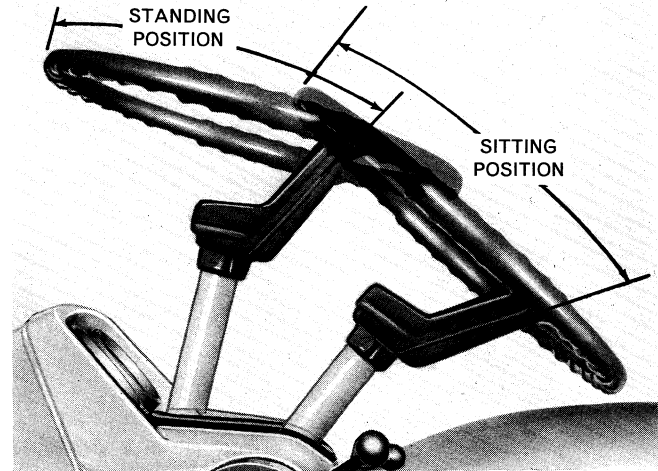
## CONTROLS AND INSTRUMENTS

### TRACTOR SEAT

Sit in the contoured seat, and if it is not in the most comfortable position, you can move it forward or rearward. Move the seat by loosening the two hex head nuts attaching it to the tool box, as shown in Figure 1. The seat can also be adjusted for your weight by sitting in the seat and turning the crank until the alignment marks line up.

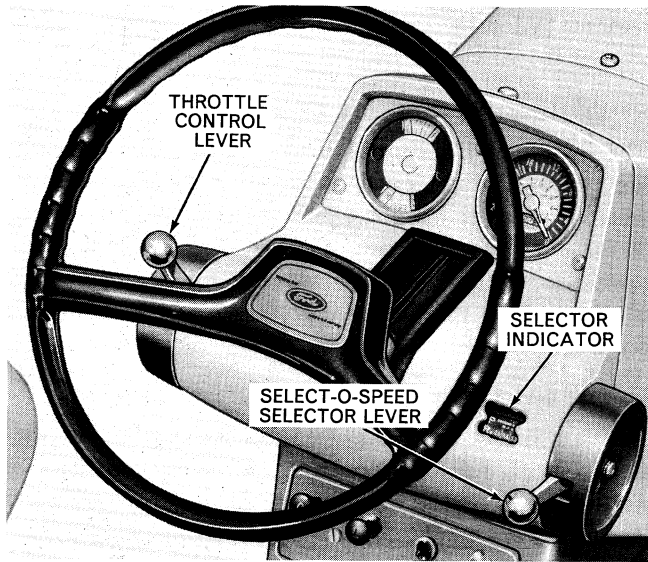


**Figure 1**  
**Two-Position Adjustable Seat**



**Figure 2**  
**Two-Position Steering Wheel**





**Figure 3**  
**Throttle and Select-O-Speed Controls**

for the standing position, push the wheel in and move it forward. The wheel will snap out when it locks in place. To return the wheel for the sitting position push the wheel in and move it rearward.

#### **THROTTLE CONTROL**

The hand-operated throttle control lever is shown in Figure 3.

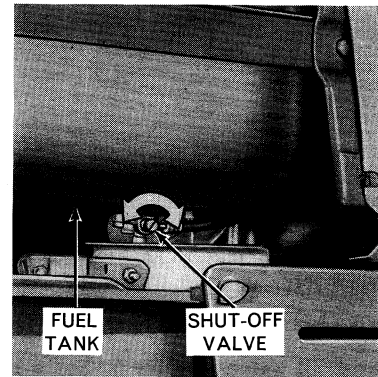
Engine speed is increased by pushing the throttle control lever forward. Engine speed is decreased by pulling the throttle control lever rearward.

#### **SELECT-O-SPEED SELECTOR LEVER**

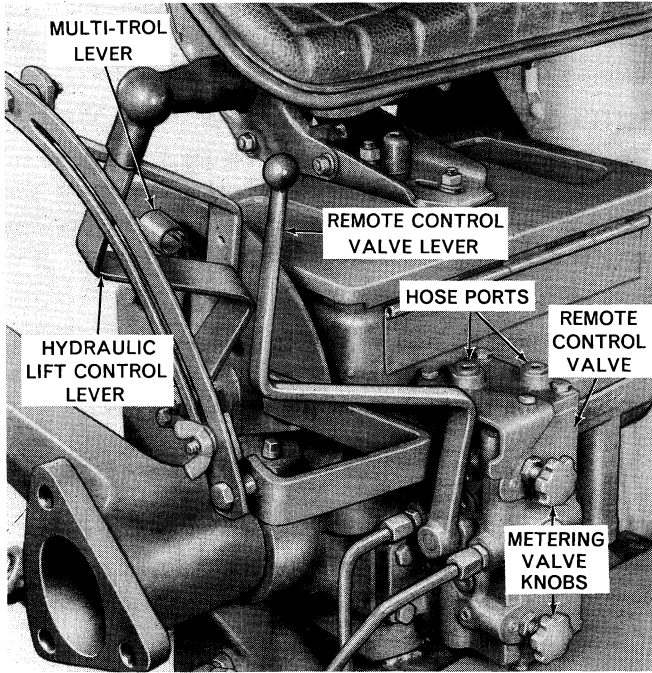
The Select-O-Speed selector lever, Figure 3, is located on the right side of the steering wheel column. As you move the selector lever, the number of the corresponding gear is shown on the selector indicator.

#### **FUEL TANK SHUT-OFF VALVE**

The fuel tank shut-off valve, Figure 4, is located on the right-hand side of the tractor engine. To stop the flow of fuel from the tank, turn the valve clockwise.



**Figure 4**  
**Fuel Shut-Off Valve**



**Figure 5**  
**Hydraulic Lift Controls**

#### **REMOTE CONTROL VALVE LEVER AND KNOBS**

The remote control valve, Figure 5, has a control lever and two metering valve knobs which provide a means of using the tractor hydraulic system for operating optional

remote hydraulic cylinders. Operation of the remote control valve is described on page 30.

#### **HYDRAULIC LIFT CONTROL LEVER**

The hydraulic lift control lever, Figure 5, is the large lever located in the quadrant to the right of the tractor seat. To raise the lift arms, pull the lever toward the top of the quadrant. To lower the lift arms, push the lever toward the bottom of the quadrant. An adjustable stop is provided on the quadrant to locate any intermediate position.

#### **MULTI-TROL LEVER**

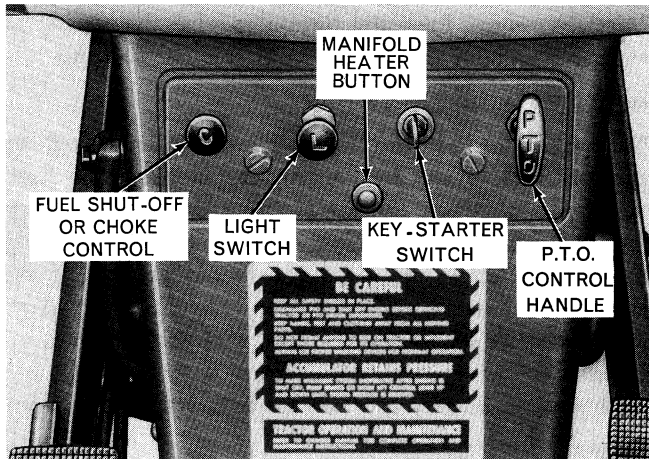
The Multi-Trol lever, Figure 5, selects implement position control, full draft control, and various degrees of draft control. The lever positions are as follows:

- Lever rearward — implement position control
- Lever forward — full draft control
- Intermediate positions — different degrees of draft control

Refer to page 26 for Hydraulic System Operation.

#### **KEY-STARTER SWITCH**

The key-starter switch is shown in Figure 6. Turn the key fully clockwise to start the engine. Release the key as soon as the engine starts and the key will return to the "ON" position. For diesel tractors the key-starter



**Figure 6**  
**Controls**

switch is to be left in the "ON" position in order for the warning lights to function.

The engine can be started only when the transmission selector lever is in park (P).

Turn the key counterclockwise to the "OFF" position to shut off gasoline tractors or to turn off diesel tractor warning lights.

#### **ENGINE FUEL STOP CONTROL (DIESEL TRACTORS)**

The diesel engine fuel stop control, Figure 6, is located

on the left side of the tractor dash panel. Pull the fuel stop control out and hold it until the engine stops. Turn the key-starter switch to the "OFF" position. The fuel stop control must be pushed in to start the engine.

#### **CHOKE CONTROL (GASOLINE TRACTORS)**

The gasoline engine choke control, Figure 6, is located on the left side of the tractor dash panel. To start a cold engine, pull the choke control out. The amount of choke is regulated by the distance the control knob is pulled out. Maximum choking occurs when the knob is out as far as possible.

**IMPORTANT:** *The choke control knob should be pushed all the way in as soon as possible. Prolonged tractor operation with the choke control pulled out can cause excessive engine wear, engine oil dilution, and very high fuel consumption.*

#### **MANIFOLD HEATER BUTTON (DIESEL TRACTORS)**

The manifold heater button is located as shown in Figure 6. The manifold heaters are used as a cold weather starting aid down to 15° F. For operation of the manifold heater, refer to page 20.

#### **LIGHT SWITCH**

The tractor headlights, tail light, and instrument panel light are operated by the two-position pull-type light switch, Figure 6. Pull the switch to turn the lights "on".

Push the switch to turn the lights "off". The intermediate position illuminates the instrument panel lights.

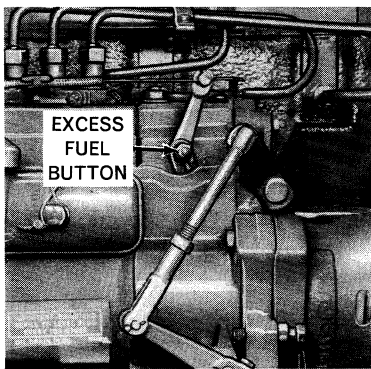
#### **P.T.O. CONTROL HANDLE**

The P.T.O. control handle is shown in Figure 6. Pull the handle out slowly to gradually engage the P.T.O. shaft and ease into loads. The P.T.O. control handle can be pulled out or pushed in while the tractor is moving or stopped.

**IMPORTANT:** *Make sure the P.T.O. handle is always fully in or fully out.*

#### **EXCESS FUEL BUTTON (DIESEL TRACTORS)**

The excess fuel button, Figure 7, is located on the fuel



**Figure 7**  
**Excess Fuel Button**

injection pump. Push the button to give the engine an excessive amount of fuel for cold weather starting.

#### **GENERATOR-INDICATOR LIGHT**

The generator-indicator light, Figure 8, is located on the left side of the left instrument cluster. The light will come on when the key-starter switch is turned on and while starting the engine. After the engine starts, and the throttle increased, the light should go out. If the light remains on when the engine is operating at above idle speed, the generator is not charging properly. Locate and correct the malfunction as soon as possible, otherwise the battery may become completely discharged.

#### **TEMPERATURE GAUGE**

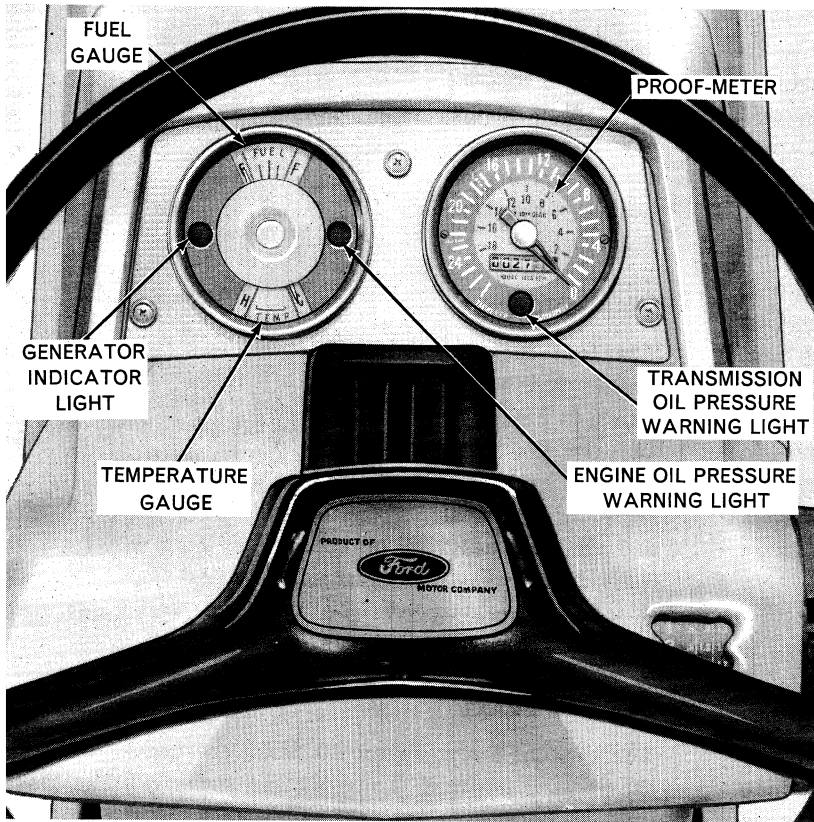
The engine coolant temperature gauge, Figure 8, is located on the lower side of the left instrument cluster. The gauge indicates cold (blue), hot (red), and normal operating temperatures. The normal operating temperature is between cold and hot. Never operate the tractor when the temperature gauge reads hot.

#### **FUEL GAUGE (GASOLINE AND DIESEL)**

The fuel gauge, Figure 8, indicates the level of fuel in the tank.

#### **ENGINE OIL PRESSURE WARNING LIGHT**

The engine oil pressure warning light, Figure 8, indicates low engine oil pressure. This light will come on



**Figure 8**  
Instruments and Gauges

when the key is turned "ON", and during cranking, but should go out as soon as the engine starts. If the light remains on after the engine starts, stop the engine immediately and find the cause of the low pressure. The light does not indicate the engine crankcase oil level.

#### **PROOF-METER**

The Proof-Meter, Figure 8, is located in the right instrument cluster. The Proof-Meter indicates the following:

- The numbers at the tip of the needle indicate the engine rpm.
- Marks, lettered "LO-P.T.O." and "HI-P.T.O." at 1730 rpm and 2225 rpm respectively, indicate the correct P.T.O. speed. (Refer to page 25, for additional information.)
- The inner ring of numbers, underneath the needle, indicate the ground speed (mph) of the tractor in 10th gear ratio.
- The hour meter portion of the gauge records the hours the tractor engine has operated, based on an average engine speed of 1666 rpm. Engine speeds

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