

Diesel Lawn
and Garden
Tractor
LGT 14D
LGT 16D

OPERATOR'S MANUAL



NEW HOLLAND

42641064 (SE4705)

Reprinted

PLEASE READ CAREFULLY:

This operator's manual has been prepared to provide the information you need to correctly assemble, operate and maintain your tractor. For maximum satisfaction carefully read and follow the instructions in this manual. Should you ever need repair parts or service contact your FORD NEW HOLLAND DEALER.

Be sure safety precautions are observed. They are for your benefit.

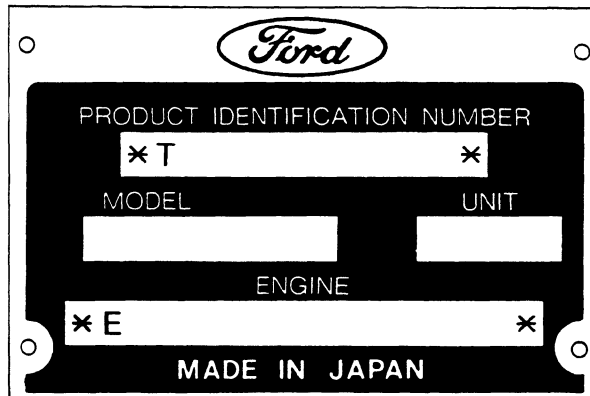
Any references made in this Operator's Manual concerning the right or left-hand sides are determined by the direction the operator is facing when in

the tractor seat.

The replacement of any part on this product by other than the manufacturer's authorized replacement part may adversely affect the performance, durability or safety of this product.

The manufacturer reserves the right to make changes on and to add improvements upon its product at any time without notice or obligation. The manufacturer also reserves the right to discontinue manufacture of any product at its discretion at any time.

A VEHICLE IDENTIFICATION PLATE is located on the left-hand side of the tractor below the engine. 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 spaces below.



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Model

9618528 LGT 14D Manual Steering	9618516 LGT 16D Manual Steering
9618784 LGT 14D Power Steering	9618785 LGT 16D Power Steering

Diesel Lawn and Garden Tractor

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 the step plates when getting on and off the tractor to prevent falls. Keep steps and platform cleared of mud and debris.
3. Do not permit anyone but the operator to ride on the tractor. There is no safe place for extra riders. Replace all missing, illegible, or damaged safety decals. See list of decals on page 36–39.
4. 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. 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 cardboard or paper to search for leaks.
 - Stop engine and relieve pressure before connecting or disconnecting lines.
 - Tighten all connections before starting engine or pressurizing lines.

If fluid is injected into the skin, obtain medical attention immediately or gangrene may result.

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 New Holland 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 other part of the fuel injection system. Failure to follow these instructions can result in serious injury.

9. Some components on your tractor, such as gaskets and friction surfaces (brake pads) may contain asbestos. Breathing asbestos dust is dangerous to your health. You are therefore advised to have any maintenance or repair operations on such components carried out by an authorized Ford New Holland Dealer. If, however, service operations are to be undertaken on parts that contain asbestos, the essential precautions listed below must be observed:
 - Work out of doors or in a well ventilated area.
 - Dust found on the tractor or produced during work on the tractor should be removed by extraction not by blowing.
 - Dust waste should be dampened, placed in a sealed container and marked to ensure safe disposal.
 - If any cutting, drilling, etc., is attempted on materials containing asbestos, the item should be dampened any only hand tools or low speed power tools used.
10. Continuous long term contact with used engine oil has caused skin cancer in animal tests. Avoid prolonged skin contact with used engine oil. Wash skin promptly with soap and water.

OPERATING THE TRACTOR

1. Release the H.S.T. foot pedal, apply the parking brake, place the P.T.O. clutch lever in the OFF position, the lift control lever in LOWER 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 safety start switch. Consult your Ford New Holland Dealer if your neutral 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 the engine is running. Unexpected tractor movement can result from such contact.
5. Do not get off the tractor while it is in motion.
6. Disengage PTO, 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 engine ceases operating, stop the tractor immediately.
10. Do not leave equipment in the raised position.

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.
3. Keep the tractor in the same gear when going downhill as used when going uphill. Do not coast or free wheel down hills.
4. Any towed vehicle whose total weight exceeds that of the towing tractor should be equipped with brakes for safe operation.
5. When the tractor is stuck or tires are frozen to the ground, back up the tractor to prevent upset.
6. 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 place gear shift lever in neutral, apply the tractor parking brake and block the rear wheels front and back.

4. To avoid injury, do not clear, adjust, unclog or service P.T.O. driven equipment when the tractor engine is running.

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 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, proprietary 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.

Whenever you see this symbol



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

SAFETY PRECAUTIONS

Safety is **NO** accidentBe Alert!



This symbol is used to attract your attention to the safety precautions that should be understood by the operator to avoid accidents.

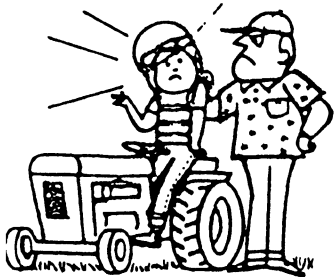
When you see this symbol—HEED ITS WARNING!



- Be sure to read all tractor and engine instructions before operation.



- Improper use of the tractor can result in injury. Give complete and undivided attention to the work you are doing.
- Know your controls. Know how to stop tractor and engine in an emergency.



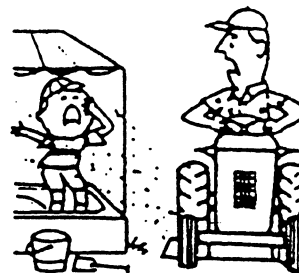
- Do not allow children to operate tractor. Anyone else should be properly instructed as to its operation.
- Keep children and pets away. Children and pets should be kept a safe distance away from mower.
- Stop operation when another person approaches.



- Reduce speed on all side slopes and sharp turns to prevent tipping or losing control.



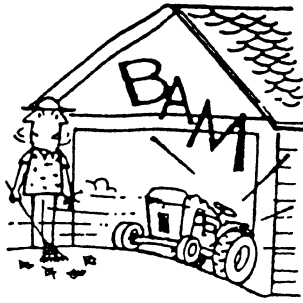
- Do not allow anyone to ride on tractor or any of its attachments.



- Never allow mower to discharge grass toward anyone.



- All guards must be in place before operating tractor.



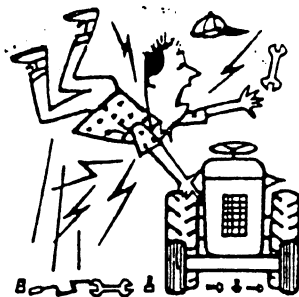
- Set parking brake and stop engine before leaving seat.



- Be sure lawn is clean. Remove stones, wires, sticks, toys anything that might catch or be thrown by the mower blade.



- Do not wear loose fitting clothing that might get caught in moving parts. Also, keep hands and feet away from moving parts.

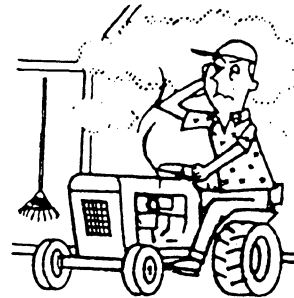


- Stop engine before working on mower. Stop engine before cleaning discharge chute or making any adjustment inspection or repairs.

- Periodically maintain mower. Tighten nuts, bolts and fittings periodically and lubricate mower for proper and safe operation. Check blades for tightness.



- Never remove the fuel cap or refuel with the engine running or hot. Do not smoke while refueling or standing near fuel. Wipe up spilled fuel immediately.



- Do not operate tractor in a confined area. Exhaust fumes are dangerous. Only run engine out of doors.



- Disengage all clutches and place gear shift in neutral before attempting to start engine.
- The discharge guard must be down at all times during mowing operation.
- If mower strikes a foreign object, stop the mower and engine immediately. Inspect the mower for damage. Repair any damage before starting again.

CONTROLS AND INSTRUMENTS

SEAT

The seat is adjustable to obtain the most comfortable position.

To move the seat fore and aft, move the seat release lever upward and slide the seat fore or aft as desired, Figure 1.

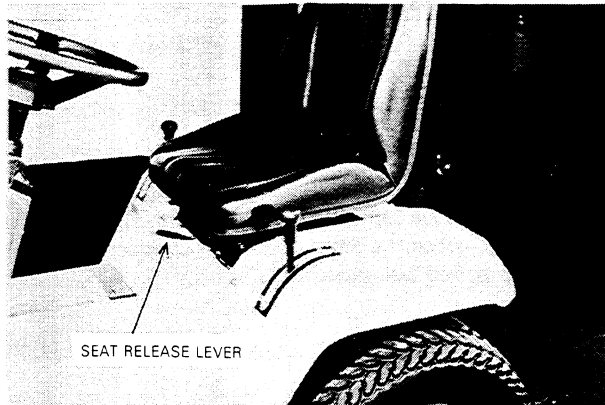


Figure 1 - Tractor seat

INSTRUMENT PANEL

LIGHT SWITCH

The light switch, shown in Figure 2, is located on the left side of the instrument panel.

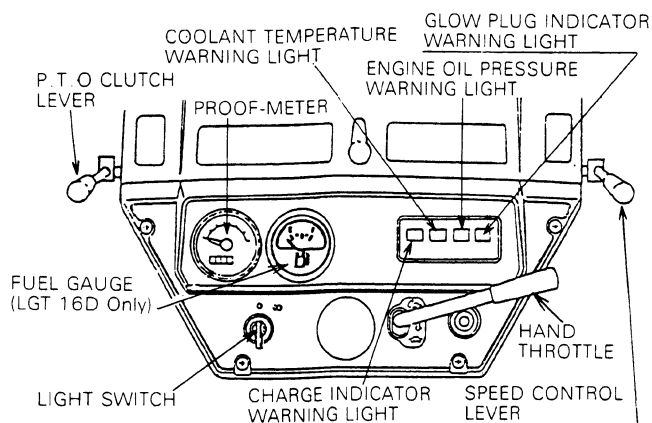


Figure 2 - Instrument Panel

KEY START SWITCH

The key start switch is shown in Figure 4. Turning the key to the left will activate the cold-start aid. Turning the key to the right to the "ON" position

will activate the warning lights.

Turning the key further right to the "START" position will start the engine. Upon release, the key will spring return to the "ON" position.

The starting circuit can only be activated when ;

1. Operator is seated,
2. H.S.T foot pedal is released.
3. P.T.O clutch lever is in the "OFF" position.
4. Brake pedal is depressed or parking brake lever is locked.

Always check to make certain the range shift lever and lift control lever are in neutral before attempting to start engine. Refer to page 10 for complete starting instructions.

IMPORTANT : The key start switch must remain in the "ON" position while operating the engine. The warning lights and battery charging system will not function with the switch in the "OFF" position.

WARNING LIGHTS

The engine temperature, oil pressure, glow plug and charge indicator warning lights are located as shown in Figure 2. When the key start switch is turned "ON" the oil pressure and charge lights come on. After the engine has been started, the lights should go out within a few seconds. If they do not go out:

- Engine oil pressure warning light: Stop the engine immediately and investigate the cause. It is important to remember that this light indicates oil pressure only. The operator must regularly check the crankcase for proper oil level.
- Charge indicator warning light: This is an indication that the charging system is not operating normally. Investigate the cause as soon as possible, otherwise the battery will become fully discharged.
- Coolant temperature warning light: The warning light is not on under normal operating conditions. If the light comes on, stop the engine and investigate. Regularly check the radiator for proper coolant level. Function of the indicator light bulb can be checked by grounding this light at the thermostat.

CONTROLS AND INSTRUMENTS



WARNING : When engine is at operating temperature always relieve pressure in the cooling system before removing the radiator cap.

- Glow plug indicator warning light : This light comes on when turning the key switch to the "HEAT" position or "START" position. Refer to page 10 for starting engine information.

NOTE: Make certain that three warning lights except for the coolant temperature turn on when turning the key switch to the "ON" position. If one of them does not turn on, the bulb should be replaced.

PROOF-METER

The Proof-Meter is located on the left side of the instrument panel, Figure 2. The Proof-Meter indicates:

- The hours and portions of hours your tractor has operated, based on an average engine speed of 2800 rpm. Engine speeds below 2800 rpm accumulate engine hours at a slower rate than clock hours. Engine speeds above 2800rpm accumulate engine hours faster than clock hours. Use the Proof-Meter as a guide to determine hourly service and maintenance intervals.
- Engine revolutions per minute are indicated on proof meter as shown in Figure 2.

FUEL GAUGE

The fuel gauge is shown in Figure 2 (LGT 16D), Figure 3 (LGT 14D). The gauge indicates the level of fuel in the tank.

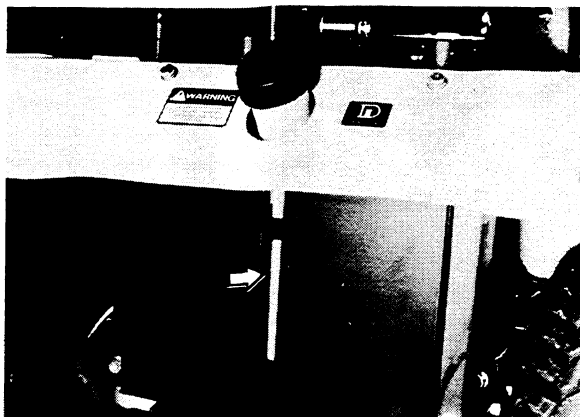


Figure 3 – Fuel Gauge

HAND THROTTLE CONTROLS

The hand throttle is shown in Figure 2. Push the throttle forward to increase engine rpm. Pull the throttle rearward to decrease engine rpm.

BRAKE CONTROLS

BRAKE PEDAL

Brake pedal is shown in Figure 4. Speed control lever will be returned to the "RELEASE" position by depressing the brake pedal suddenly, if the speed control lever is in the "SET" position.

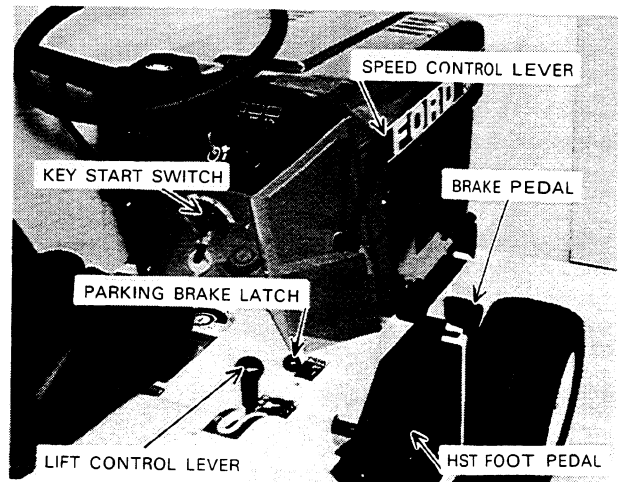


Figure 4 – Brake Controls

PARKING BRAKE CONTROL

The parking brake latch, shown in Figure 4, is used for locking the brake pedal in the applied position. The parking brake should be applied whenever the tractor is parked.

To apply the parking brake:

- Pull up the parking brake latch while depressing the brake pedal. The pawl on the control will engage the teeth on the brake pedal and will retain the pedal in the applied position.

To release the parking brake :

- Depress the brake pedal to release the pawl.

NOTE: The parking brake must be applied to start the engine.

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