

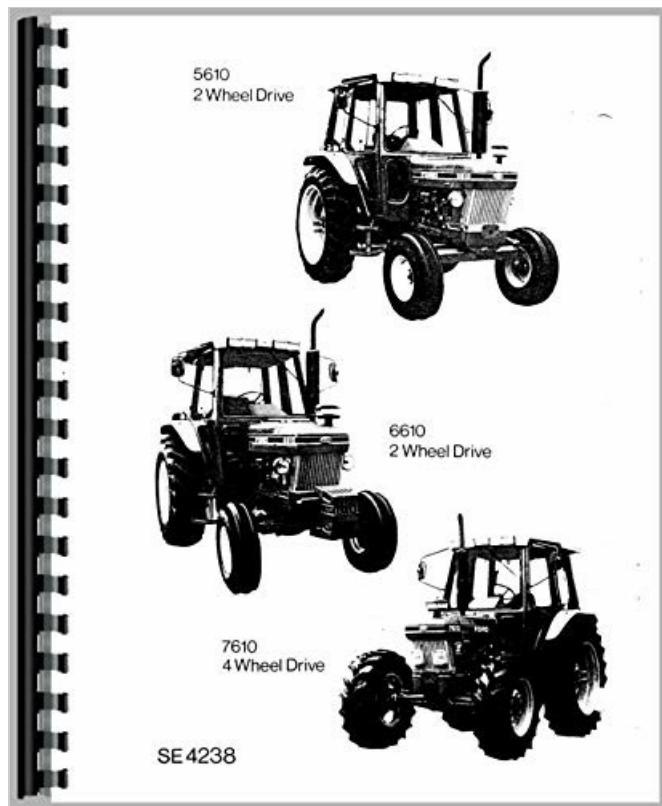
## Ford 6610

# Ford 6610 Diesel Tractor Operator's Manual

For Models 1987 and Later

## 1. INTRODUCTION AND MODEL OVERVIEW

This manual provides essential information for the safe and efficient operation, maintenance, and care of your Ford 6610 Diesel Tractor. It is crucial to read and understand all instructions before operating the tractor to ensure safety and prolong the life of the equipment. This manual covers models from 1987 onwards.



**Figure 1:** Overview of Ford Tractor Models. This image displays the 5610 (2 Wheel Drive), 6610 (2 Wheel Drive), and 7610 (4 Wheel Drive) tractor models, illustrating the general appearance of the series.

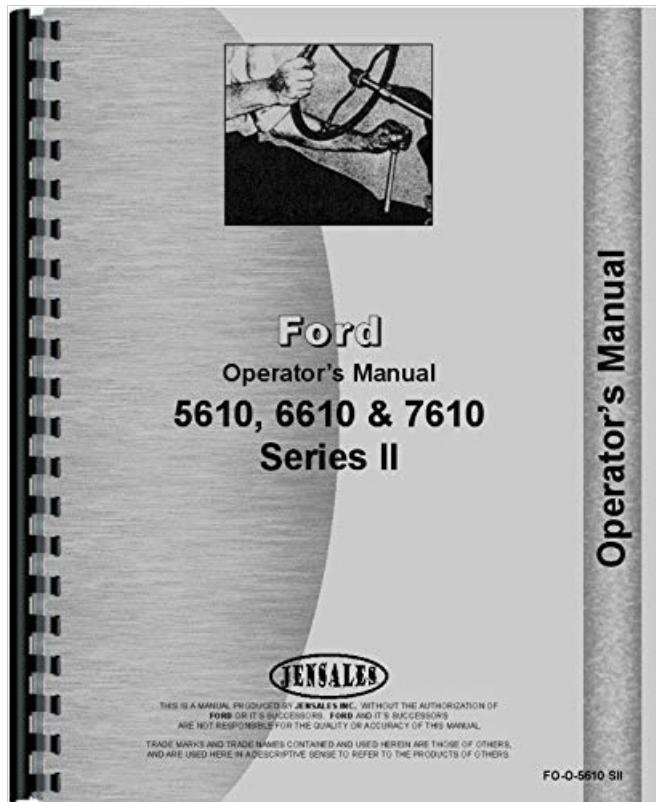
The Ford 6610 is a robust diesel tractor designed for various agricultural tasks. Familiarize yourself with its components and controls as detailed in the following sections.

## 2. CONTROLS, INSTRUMENTS, AND OPERATION

Understanding the tractor's controls and instruments is fundamental to safe and effective operation. This section details the primary operational aspects, including the Power Take-Off (PTO) system.

## 2.1 Two-Speed Shiftable Power Take-Off (P.T.O.)

The two-speed, independent, shiftable P.T.O. is an available factory-installed option on all models with de-luxe cab (Q cab). For tractors equipped with this feature, additional information should be referenced in conjunction with the instructions provided in Section A of this manual.



**Figure 2:** P.T.O. Control Levers. This diagram illustrates the location of the P.T.O. range shift lever (1), spring-loaded collar (2), and P.T.O. selector lever (3), which are crucial for engaging and disengaging the P.T.O. system.

### Important P.T.O. Operation Notes:

- Equipment requiring high power will operate at 540 P.T.O. rev/min and requires a droop coupling. This equipment may be operated in the low speed range at 1000 engine rev/min or in the high speed range at 1130 engine rev/min with a consequent reduction in fuel consumption and engine wear.
- To engage the P.T.O. ratio, proceed as follows:
  - With the tractor stationary and the P.T.O. selector lever (3) Figure 1, in the **disengaged** position, select the required P.T.O. speed range by means of the shift lever (1). Move the lever forward to engage the high speed range (1000 P.T.O. rev/min) or rearwards to select the low range (540 P.T.O. rev/min).
- The lever cannot be moved until the spring-loaded collar (2) beneath the shift lever is lifted. This feature is incorporated to prevent inadvertent selection of the high range which could result in overspeeding of a P.T.O. driven implement.
- If difficulty is experienced in selecting a particular speed range, that engagement of the P.T.O. gear train, rotate the P.T.O. shaft a few degrees, by means of the selector lever (3), until the range lever can be moved and the required speed range selected.
- With the tractor moving or stationary, as required, and the engine turning at less than 1000 rev/min, engage the P.T.O. by means of the lever (3).

- Open the throttle to obtain engine/P.T.O. speeds as shown in the following table:

#### P.T.O. Speed Ranges

Range Lever Position	Engine Speed (rev/min)	P.T.O. Speed (rev/min)
Rearward (low speed)	1900	540
Forward (high speed)	2130	1000

Independent P.T.O. may be engaged or disengaged whether the tractor is moving or stationary. In addition to the P.T.O. selector lever (3) Figure 1, a second lever (1) is used to select the high (1000 P.T.O. rev/min) or low (540 P.T.O. rev/min) ranges.

Your tractor is supplied with a 6-spline P.T.O. shaft, designed to operate at 540 rev/min. An alternative 21-spline shaft is available from your dealer as an accessory.

## 3. LUBRICATION AND MAINTENANCE

Regular lubrication and maintenance are critical for the longevity, performance, and safety of your Ford 6610 Diesel Tractor. Adhere strictly to the maintenance schedule outlined in the full manual.

### 3.1 Routine Servicing

- **Engine Oil:** Check oil level daily. Change oil and filter at recommended intervals.
- **Fuel System:** Drain water and sediment from the fuel tank and filter regularly. Replace fuel filters as specified.
- **Cooling System:** Check coolant level daily. Ensure radiator fins are clean and free of debris.
- **Air Filter:** Inspect and clean/replace the air filter element as needed, especially in dusty conditions.
- **Hydraulic System:** Check hydraulic fluid level and condition. Replace filters according to the maintenance schedule.
- **Tires:** Maintain correct tire pressure for optimal performance and safety. Inspect for wear and damage.
- **Greasing Points:** Lubricate all grease fittings regularly using the specified grease type.

### 3.2 General Maintenance

Beyond routine servicing, conduct regular visual inspections for loose fasteners, leaks, and damaged components. Keep the tractor clean to prevent dirt and debris from affecting moving parts and cooling systems. Refer to the detailed maintenance charts in the complete manual for specific intervals and procedures.

## 4. SPECIFICATIONS

The Ford 6610 Diesel Tractor is built to specific engineering standards. Key specifications include:

- **ASIN:** B07JB35WN1
- **Publisher:** Jensales
- **Language:** English
- **Approximate Dimensions:** 12 x 10 x 3 inches (Manual dimensions)
- **Model Year:** 1987+

- **Fuel Type:** Diesel Only

For detailed technical specifications, including engine power, transmission types, hydraulic capacities, and weight, please consult the comprehensive specifications section within the full operator's manual.

## 5. TROUBLESHOOTING

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This section provides general guidance for common operational issues. For complex problems, always consult a qualified technician or refer to the detailed troubleshooting guide in the complete manual.

### 5.1 Common Issues and Solutions

- **Engine Fails to Start:** Check fuel level, battery charge, and starter connections. Ensure safety interlocks are engaged (e.g., transmission in neutral, PTO disengaged).
- **Loss of Power:** Inspect fuel filters for clogging, air filter for restriction, and ensure proper engine RPM.
- **Hydraulic System Malfunction:** Check hydraulic fluid level, inspect for leaks, and ensure PTO is correctly engaged if powering an implement.
- **Unusual Noises:** Investigate immediately. Could indicate loose components, worn bearings, or other mechanical issues.

Always prioritize safety when troubleshooting. Disconnect power and ensure the tractor is stable before performing any inspections or repairs.

## 6. WARRANTY AND SUPPORT

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For information regarding the warranty of your Ford 6610 Diesel Tractor, please refer to the warranty documentation provided at the time of purchase or contact your authorized Ford dealer. This operator's manual is published by Jensales.

For technical support, parts, or service, please contact your local authorized Ford tractor dealer. They have trained technicians and genuine parts to ensure your tractor receives the best care.

This manual is intended for informational purposes only. Always refer to the complete printed manual for detailed safety warnings and operating procedures.