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› AgPubs Service Manual for Ford LGT 100, 120, 125, 145, 165, 195 Lawn & Garden Tractors

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AgPubs Service Manual for Ford LGT 100, 120, 125, 145, 165, 195 Lawn & Garden Tractors

Comprehensive Repair, Overhaul, and Troubleshooting Guide

1. INTRODUCTION

This service manual provides detailed instructions for the repair, overhaul, and troubleshooting of Ford LGT 100, 120, 125, 145, 165, and 195 Lawn & Garden Tractors. It is designed for technicians and experienced users to perform maintenance and repairs effectively.

Understanding the different types of manuals is crucial for proper equipment care:

- **Service Manual:** Focuses on repair, overhaul, and troubleshooting procedures. This document is a service manual.
- **Operators Manual:** Covers basic maintenance, operation, fluid types, quantities, and adjustments.
- **Parts Catalog:** Provides exploded views, part names, and factory (OEM) part numbers for ordering replacement components.

This manual is a quality reproduction, designed to be durable and provide accurate, factory-authored information to assist in DIY repairs and maintenance, helping to avoid frustration and wasted time.

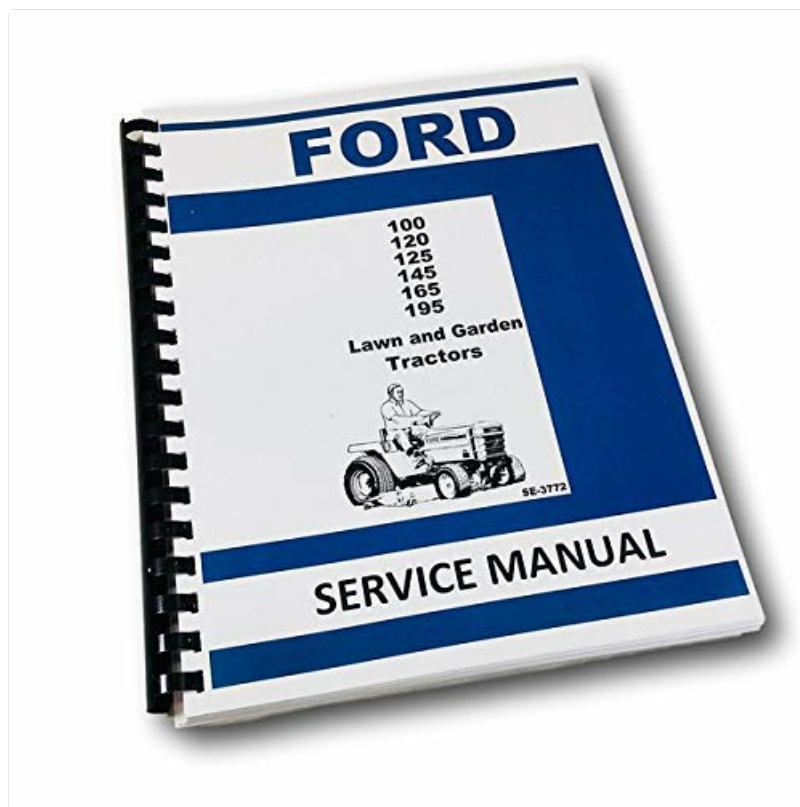


Image: Cover of the AgPubs Service Manual for Ford LGT 100, 120, 125, 145, 165, 195 Lawn & Garden Tractors.

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Image: Section Index of the Service Manual, detailing the organization of topics covered.

2. LUBRICATION AND MAINTENANCE

This section details the recommended lubrication schedules, types of lubricants, and general maintenance procedures necessary to keep your Ford LGT tractor in optimal working condition. Proper lubrication and routine maintenance are critical for extending the life and performance of your equipment.

Refer to specific subsections for detailed instructions on oil changes, filter replacements, and inspection points.

3. HYDRAULIC SYSTEM AND COMPONENTS

This section covers the hydraulic system, including its operation, components, and troubleshooting. It provides guidance

on diagnosing and repairing issues related to hydraulic power and control.

A. Hydraulic System

Detailed information on the overall hydraulic circuit, fluid requirements, and pressure specifications.

B. Hydraulic Control Valves

Instructions for inspecting, disassembling, repairing, and reassembling hydraulic control valves.

C. Hydraulic Cylinders

Procedures for servicing hydraulic cylinders, including seal replacement and troubleshooting leaks.

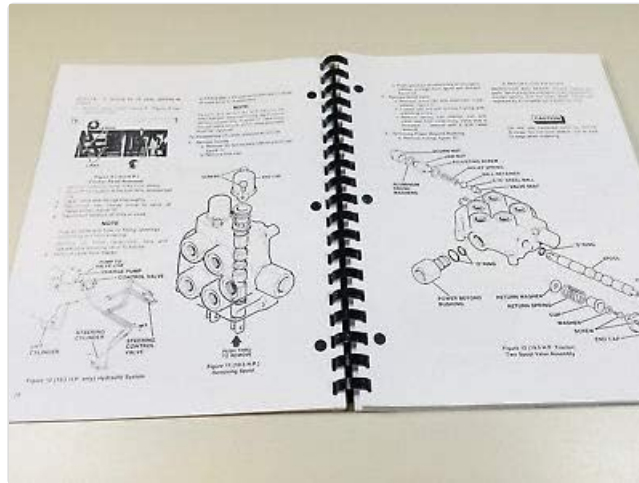


Image: Detailed diagrams illustrating hydraulic system components, including the control valve assembly and steering cylinder connections.

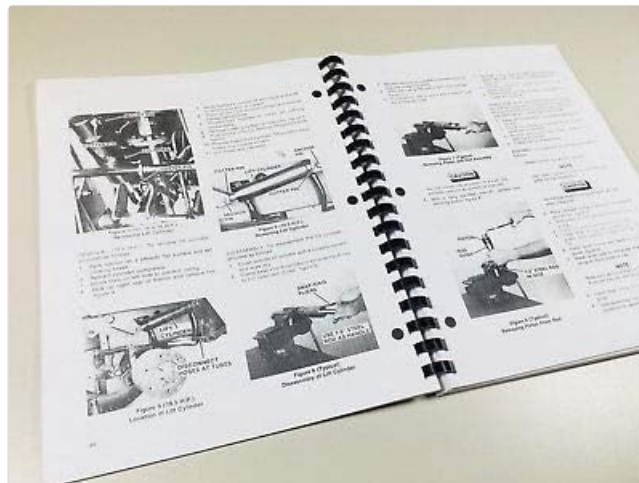


Image: Example pages from the manual demonstrating hydraulic system repair procedures, including component removal and installation steps with accompanying diagrams.

4. ELECTRICAL SYSTEM AND COMPONENTS

This section provides comprehensive information on the electrical system, including wiring diagrams, component testing, and repair procedures for various electrical issues.

A. Electrical System

Overview of the tractor's electrical circuits, fuses, and general wiring.

B. Starting System

Troubleshooting and repair of the starter motor, solenoid, and related components.

C. Ignition System

Maintenance and repair of ignition coils, spark plugs, and ignition timing.

D. Charging System

Diagnosis and repair of the alternator/generator, voltage regulator, and battery charging issues.

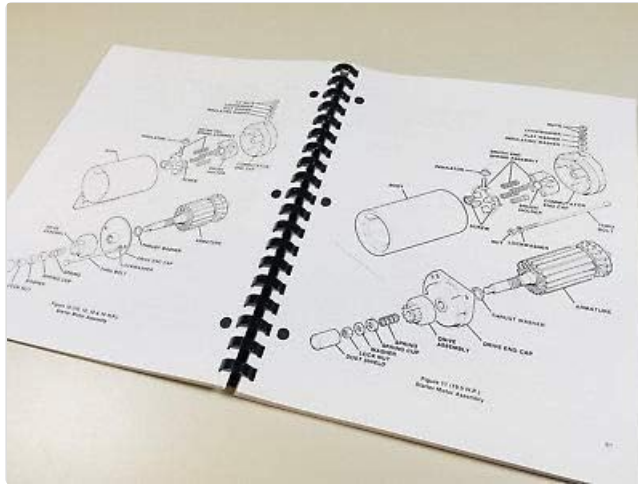


Image: Exploded view diagrams detailing the components of a starter motor assembly, useful for disassembly and reassembly.

5. ENGINE

This section covers the engine, providing detailed instructions for overhaul, repair, and adjustment for both single and two-cylinder configurations.

A. Single Cylinder Engine

Specific repair procedures for single-cylinder engine models.

B. Two Cylinder Engine

Specific repair procedures for two-cylinder engine models.

C. Governor - One Cylinder Engine

Adjustment and repair of the governor system for single-cylinder engines.

D. Governor - Two Cylinder Engine

Adjustment and repair of the governor system for two-cylinder engines.

6. DRIVE TRAIN

This section addresses the drive train components, including transmissions and transaxles, with detailed repair and maintenance instructions.

A. Gear Transmission

Service procedures for gear-driven transmissions, including disassembly, inspection, and reassembly.

B. Hydrostatic Transaxle

Repair and maintenance of hydrostatic transaxles, covering fluid changes, filter replacement, and component overhaul.

C. Hydrostatic Transmission

Detailed service information for hydrostatic transmissions, including troubleshooting and repair of hydraulic components.

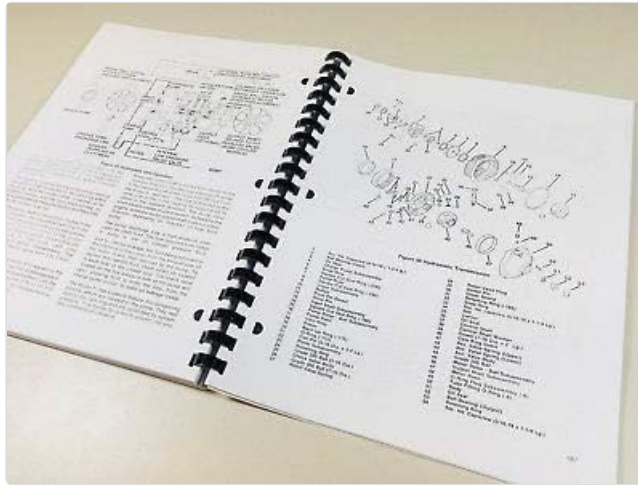


Image: Pages from the manual showing diagrams and descriptive text concerning hydrostatic transmission operation and component identification.

7. FUEL SYSTEM

This section provides instructions for servicing the fuel system, including carburetors and fuel pumps, for both single and two-cylinder engine configurations.

A. Carburetor - One Cylinder Engine

Disassembly, cleaning, adjustment, and reassembly of carburetors for single-cylinder engines.

B. Carburetor - Two Cylinder Engine

Disassembly, cleaning, adjustment, and reassembly of carburetors for two-cylinder engines.

C. Fuel Pump

Testing, repair, and replacement procedures for the fuel pump.

8. CHASSIS

This section covers the chassis components, including brakes, front axles, and steering gear, with detailed repair and adjustment procedures.

A. Brakes - 10, 12, 14 & 16 H.P. Tractor

Service and adjustment procedures for brake systems on 10, 12, 14, and 16 horsepower tractor models.

B. Brakes - 19.5 H.P. Tractor

Service and adjustment procedures for brake systems on 19.5 horsepower tractor models.

C. Front Axle - 10, 12, 14 & 16 H.P. Tractor

Maintenance and repair of front axle components for 10, 12, 14, and 16 horsepower tractor models.

D. Front Axle - 19.5 H.P. Tractor

Maintenance and repair of front axle components for 19.5 horsepower tractor models.

E. Steering Gear

Adjustment, repair, and replacement of steering gear components.

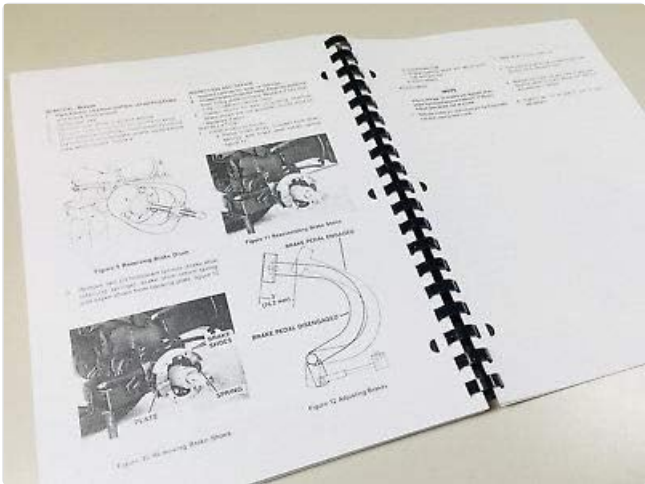


Image: Manual pages displaying diagrams for removing brake drums, inspecting brake shoes, and adjusting the brake pedal.

9. ACCESSORIES

This section provides information regarding the service and maintenance of various accessories compatible with the Ford LGT series tractors. Refer to this section for specific instructions on accessory installation, troubleshooting, and repair.

SPECIFICATIONS

This manual provides detailed specifications for the Ford LGT 100, 120, 125, 145, 165, 195 Lawn & Garden Tractors, which are essential for proper service and repair. These specifications include, but are not limited to, torque values, fluid capacities, electrical tolerances, and component dimensions.

General Product Information

Brand	AgPubs
Model Numbers Covered	LGT 100, 120, 125, 145, 165, 195
Manufacturer Part Number	M-54737
UPC / GTIN	752589928298

WARRANTY INFORMATION

This service manual is a reproduction of an original factory manual. Information regarding any specific warranty for the manual itself or for repairs performed using this manual is not provided within this document. Please refer to the original equipment manufacturer's documentation for tractor warranty details.

SUPPORT INFORMATION

For technical support related to the content of this manual, or for inquiries regarding specific parts and procedures, it is recommended to consult with a certified Ford service technician or refer to official Ford service bulletins. This manual provides comprehensive guidance, but professional assistance may be required for complex repairs.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question