

AgPubs L285

Kubota L285 Tractor Service Manual

Technical Workshop and Repair Guide

INTRODUCTION

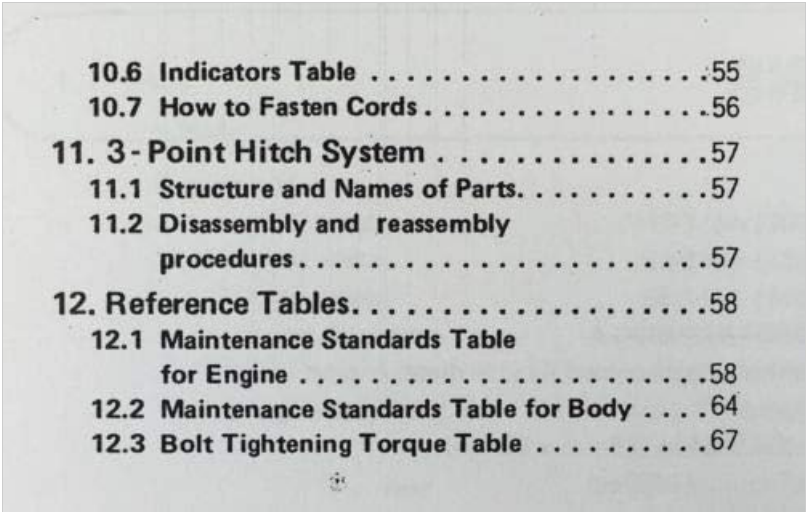
This service manual provides comprehensive technical information for the repair, overhaul, and troubleshooting of the Kubota L285 Tractor. It is designed for technicians and individuals performing detailed maintenance and repair tasks. Understanding the different types of manuals is crucial for effective use:

- **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.

Refer to the appropriate manual based on your specific needs to ensure correct procedures and component identification.

MANUAL CONTENTS OVERVIEW

The following images display the detailed table of contents for this service manual, outlining all covered sections and topics.



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Image: First page of the manual's table of contents, detailing sections from Specifications to Power Transmission System.

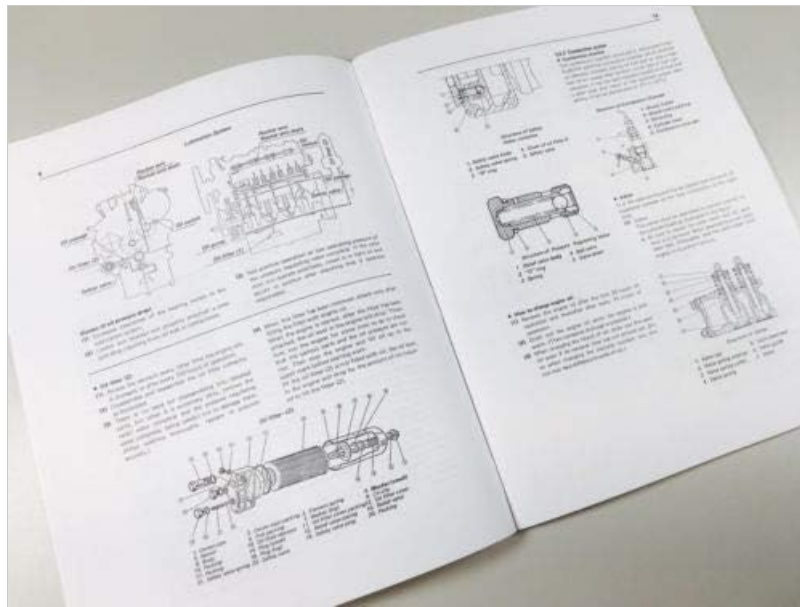


Image: Second page of the manual's table of contents, detailing sections from Electric System to Reference Tables.

1. GENERAL SPECIFICATIONS

This section provides an overview of the tractor's general specifications, including details about the engine and body components.

1.1 Engine

Detailed specifications for the Kubota L285 tractor engine are covered here, including model, displacement, power output, and other critical parameters for maintenance and repair.

1.2 Body

Information regarding the tractor's body structure, dimensions, weight, and other relevant physical characteristics.

2. DISASSEMBLY AND REASSEMBLY PRECAUTIONS

Before commencing any disassembly or reassembly work, it is crucial to observe specific precautions to ensure safety and prevent damage to components.

2.1 Preparation before Disassembly

Guidelines for preparing the tractor for disassembly, including safety checks, fluid drainage, and necessary tool preparation.

2.2 Propping of Body

Instructions for safely propping and securing the tractor body during maintenance to prevent accidental movement or collapse.

2.3 Component Parts

General advice on handling and organizing component parts during disassembly and reassembly to ensure correct placement and function.

3. ENGINE SYSTEM

This section details the engine system, including performance characteristics, structural details, and handling precautions for various sub-systems.

3.1 Performance Curve of V1500-A

Analysis of the engine's performance curve, providing insights into power, torque, and fuel consumption characteristics under various operating conditions.

3.2 Details of Structure and Handling Precautions

Comprehensive information on the structural components of the engine and specific precautions for handling during service.

- **3.2.1 Fuel system:** Details on fuel delivery, filtration, and injection components.
- **3.2.2 Lubrication system:** Information on oil circulation, filters, and lubrication points.
- **3.2.3 Combustion system:** Components related to air intake, combustion, and exhaust.
- **3.2.4 Main moving parts:** Crankshaft, pistons, connecting rods, and valve train components.
- **3.2.5 Other integral parts:** Additional engine components and their functions.

4. STEERING SYSTEM

This section covers the steering mechanism, including its components, disassembly, reassembly, and adjustment procedures.

4.1 Structure and Names of Parts

Identification and description of all components within the steering system.

4.2 Disassembly and Reassembly Procedures

Step-by-step instructions for taking apart and putting together steering components.

- **4.2.1 Disassembly and reassembly of gear box:** Procedures for servicing the steering gearbox.
- **4.2.2 Removal of tie-rod end:** Instructions for detaching and reattaching tie-rod ends.

4.3 Alignment Check and Adjustment

Procedures for checking and adjusting steering alignment for optimal performance and tire wear.

- **4.3.1 Adjustment for toe-in:** How to set the correct toe-in for the front wheels.
- **4.3.2 Adjustment of longitudinal play of front wheels:** Procedures for adjusting play in the front wheel assembly.

5. BRAKE SYSTEM

This section provides details on the tractor's brake system, including component identification, disassembly, and adjustment procedures.

5.1 Structure and Names of Parts

Identification of all brake system components.

5.2 Disassembly

Instructions for disassembling the brake system.

5.3 Adjustment of Brake Pedal Play

Procedures for adjusting the free play in the brake pedal for proper operation.

6. TRAVEL SYSTEM

This section covers the tractor's travel system, focusing on the front and rear wheels and axles.

6.1 Front Wheels and Axle

Details on the front wheel assembly and axle components.

- **6.1.1 Structure and names of parts:** Identification of front wheel and axle components.
- **6.1.2 Disassembly and reassembly procedures:** Instructions for servicing the front wheels and axle.

6.2 Rear Wheels and Axle

Details on the rear wheel assembly and axle components, including their structure and service procedures.

7. POWER TRANSMISSION SYSTEM

This section describes the power transmission system, including the clutch, propeller shaft, transmission, and differential.

7.1 Clutch and Propeller Shaft

Information on the clutch assembly and propeller shaft components.

- **7.1.1 Structure and names of parts:** Identification of clutch and propeller shaft components.
- **7.1.2 Disassembly, inspection, and reassembly:** Procedures for servicing the clutch and propeller shaft.
- **7.1.3 Adjustment of clutch pedal play:** How to adjust the clutch pedal for proper engagement.
- **7.1.4 Notes:** Additional important information for clutch and propeller shaft service.

7.2 Transmission

Details on the tractor's transmission system.

- **7.2.1 Structure and names of parts:** Identification of transmission components.
- **7.2.2 Disassembly and reassembly procedures:** Instructions for servicing the transmission.

7.3 Differential

Information on the differential unit.

- **7.3.1 Structure and names of parts:** Identification of differential components.
- **7.3.2 Disassembly, reassembly and adjustment:** Procedures for servicing and adjusting the differential.

7.4 Main Speed Change Gear and PTO Speed Change Gear

Details on the main speed change gear and Power Take-Off (PTO) speed change gear.

- **7.4.1 Structure and names of parts:** Identification of speed change gear components.
- **7.4.2 Disassembly and reassembly:** Procedures for servicing the speed change gears.

7.5 Subsidiary Speed Change Gear

Information on the subsidiary speed change gear.

- **7.5.1 Structure and names of parts:** Identification of subsidiary speed change gear components.
- **7.5.2 Disassembly and reassembly:** Procedures for servicing the subsidiary speed change gear.

8. HYDRAULIC SYSTEM

This section covers the tractor's hydraulic system, including cylinders, pumps, control valves, and relief valves.

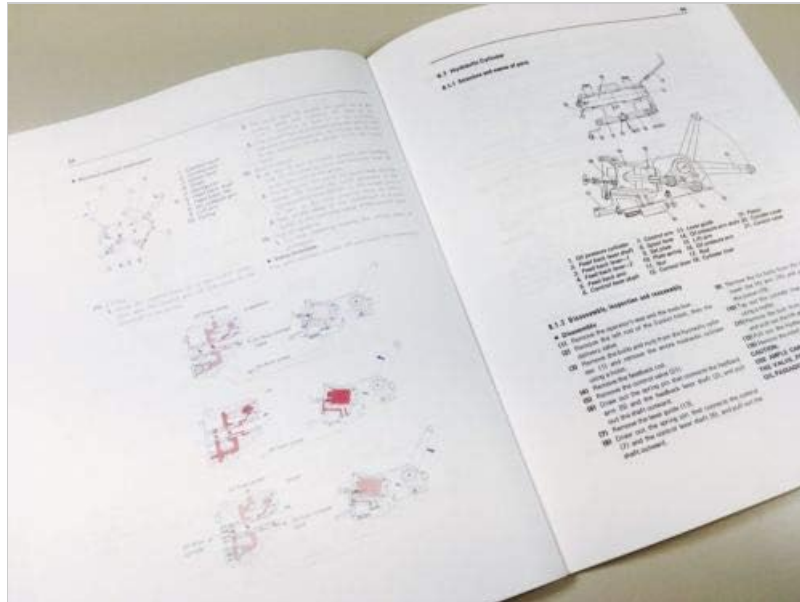


Image: Diagrams illustrating the components and assembly of the hydraulic system, specifically the hydraulic cylinder.

8.1 Hydraulic Cylinder

Details on the hydraulic cylinder components and service procedures.

- **8.1.1 Structure and names of parts:** Identification of hydraulic cylinder components.
- **8.1.2 Disassembly, inspection and reassembly:** Procedures for servicing the hydraulic cylinder.

8.2 Hydraulic Pump

Information on the hydraulic pump.

- **8.2.1 Structure and names of parts:** Identification of hydraulic pump components.
- **8.2.2 Disassembly and reassembly:** Procedures for servicing the hydraulic pump.

8.3 Hydraulic Control Valve

Details on the hydraulic control valve.

- **8.3.1 Structure and names of parts:** Identification of hydraulic control valve components.
- **8.3.2 Disassembly, inspection and reassembly:** Procedures for servicing the hydraulic control valve.

8.4 Relief Valve

Information on the hydraulic relief valve.

- **8.4.1 Structure and names of parts:** Identification of relief valve components.
- **8.4.2 Disassembly, inspection and reassembly:** Procedures for servicing the relief valve.
- **8.4.3 Pressure adjustment:** How to adjust the relief valve pressure settings.

8.5 Hydraulic Oil Filter

Details on the hydraulic oil filter, including replacement procedures.

8.6 Optional Control Valves for Hydraulic Operation of Implement

Information on optional control valves used for hydraulic implements.

8.7 Troubleshooting Table

A table providing common hydraulic system issues, their possible causes, and recommended solutions.

9. OTHER EQUIPMENT

This section covers other essential equipment and components of the tractor.

9.1 Accel Links

Details on the accelerator linkage system.

9.2 Fuel Tank

Information on the fuel tank, including capacity and maintenance.

9.3 Assembly Precautions

General precautions to observe during the assembly of various tractor components.

9.4 Coating

Information regarding protective coatings and paint for tractor components.

10. ELECTRIC SYSTEM

This section provides detailed information on the tractor's electrical system, including the dynamo, regulator, starter, glow plug, and wiring diagrams.

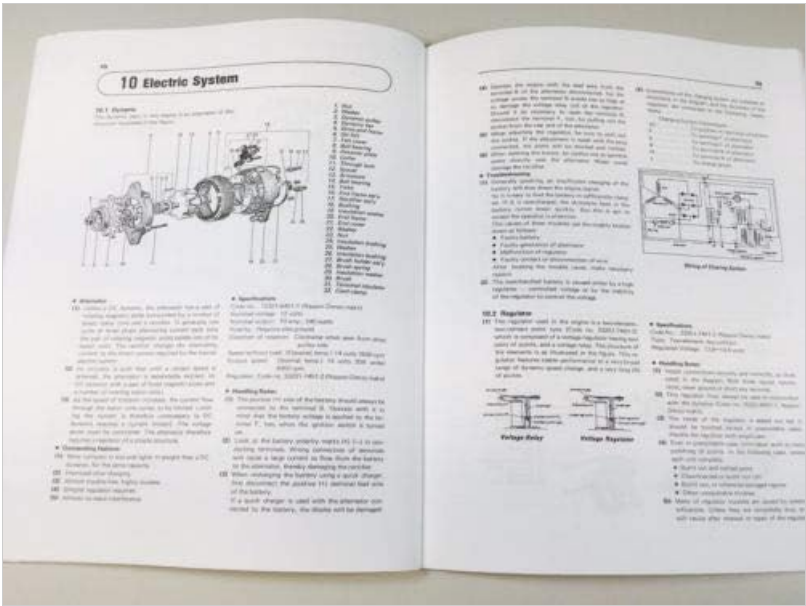


Image: Diagrams illustrating the components and wiring of the electric system, including the dynamo and related parts.

10.1 Dynamo

Details on the dynamo (alternator) for power generation.

10.2 Regulator

Information on the voltage regulator for the electrical system.

10.3 Starter

Details on the starter motor and its operation.

10.4 Glow Plug

Information on the glow plugs for cold starting.

10.5 Wiring Diagram

Comprehensive wiring diagrams for the entire electrical system.

10.6 Indicators Table

A table detailing the various indicator lights and their meanings.

10.7 How to Fasten Cords

Instructions for properly securing electrical cords and wiring.

11. 3-POINT HITCH SYSTEM

This section details the tractor's 3-point hitch system, crucial for attaching implements.

11.1 Structure and Names of Parts

Identification of all components within the 3-point hitch system.

11.2 Disassembly and Reassembly procedures

Step-by-step instructions for servicing the 3-point hitch system.

12. REFERENCE TABLES

This section contains important reference tables for maintenance and torque specifications.

12.1 Maintenance Standards Table for Engine

A table outlining standard maintenance intervals and specifications for engine components.

12.2 Maintenance Standards Table for Body

A table providing maintenance standards for the tractor's body and chassis components.

12.3 Bolt Tightening Torque Table

A comprehensive table listing the correct torque specifications for various bolts and fasteners throughout the tractor.

PRODUCT SPECIFICATIONS

Manufacturer	AgPubs
ASIN	B07K2G72X2
Customer Reviews	5.0 out of 5 stars (3 ratings)
Best Sellers Rank	#535,107 in Patio, Lawn & Garden; #10,435 in Agricultural Machinery Spare & Replacement Parts

WARRANTY AND QUALITY ASSURANCE

This service manual is a quality reproduction, designed for durability and longevity, often surpassing the original vintage prints. It is intended to provide reliable information for the maintenance and repair of your Kubota L285 Tractor. Utilizing a factory-authored manual ensures accuracy and helps avoid common frustrations associated with aftermarket alternatives.

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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