

John Deere 655, 755, 756, 855, 856

John Deere 655, 755, 756, 855, 856 Compact Utility Tractor Technical Service Repair Manual

Comprehensive Guide for Repair, Service, and Rebuilding

INTRODUCTION

This technical service manual provides detailed instructions for the repair, service, and rebuilding of John Deere 655, 755, 756, 855, and 856 Compact Utility Tractors. Spanning 572 pages, this guide includes illustrations and exploded views to facilitate understanding of service procedures, electrical systems, and hydraulic systems. It is an essential resource for technicians and owners performing maintenance and repairs on these specific tractor models.

SAFETY INFORMATION

WARNING: Always prioritize safety when performing any service or repair. Failure to follow safety precautions can result in serious injury or death.

- Read and understand all safety decals on the tractor and in this manual before beginning any work.
- Wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and protective footwear.
- Ensure the tractor is parked on a level surface, the engine is off, and the parking brake is engaged before servicing.
- Disconnect the battery ground cable before working on electrical systems.
- Relieve hydraulic pressure before disconnecting hydraulic lines or components.
- Use proper lifting equipment and stands when working under the tractor.

GENERAL SERVICE PROCEDURES

This section outlines fundamental procedures applicable to various repair tasks. Refer to specific sections for detailed instructions on individual components.

Preparation for Service

- **Cleaning:** Thoroughly clean the work area and the tractor components to prevent contamination.
- **Fluid Draining:** Procedures for safely draining engine oil, coolant, hydraulic fluid, and other lubricants.
- **Component Removal:** Step-by-step guidance for disassembling tractor parts, including proper tool usage and fastener handling.

Reassembly and Adjustment

- **Torque Specifications:** Critical torque values for all fasteners are provided to ensure proper assembly and prevent damage.
- **Seals and Gaskets:** Instructions for replacing seals and gaskets to prevent leaks.
- **Adjustments:** Procedures for adjusting various systems, such as brakes, clutch, and steering, to factory specifications.

ENGINE SYSTEMS

Detailed repair and service information for the engine, including:

- Engine disassembly and assembly
- Cylinder head and valve train service
- Crankshaft, connecting rods, and pistons
- Fuel system components (injectors, fuel pump)
- Cooling system (radiator, water pump, thermostat)
- Lubrication system (oil pump, oil cooler)

ELECTRICAL SYSTEMS

This section covers the diagnosis and repair of the tractor's electrical components:

- Wiring diagrams and schematics
- Battery testing and maintenance
- Starting system (starter motor, solenoid)
- Charging system (alternator, voltage regulator)
- Lighting and instrumentation
- Troubleshooting electrical faults

HYDRAULIC SYSTEMS

Information on the hydraulic system, including pumps, valves, cylinders, and lines:

- Hydraulic system diagrams
- Pump testing and overhaul
- Valve block service and adjustment
- Cylinder repair and seal replacement
- Troubleshooting hydraulic pressure and flow issues

POWER TRAIN

Service procedures for the transmission, differential, and final drives:

- Clutch adjustment and replacement
- Transmission disassembly and repair
- Differential and axle service
- PTO (Power Take-Off) system maintenance

SPECIFICATIONS

This section provides technical specifications for the John Deere 655, 755, 756, 855, and 856 Compact Utility Tractors. Refer to the manual's detailed tables for specific model variations.

Category	Description
Engine Type	Diesel, Liquid-Cooled
Horsepower Range	(Varies by model, refer to specific model section)
Transmission	Gear or Hydrostatic (Varies by model)
Hydraulic System Pressure	(Refer to specific model section)
Fuel Tank Capacity	(Refer to specific model section)
Weight	(Varies by model and configuration)

Detailed specifications for fluid capacities, tire pressures, and electrical component values are provided within the respective sections of this manual.

WARRANTY INFORMATION

This technical service manual is a third-party publication designed to assist with the repair and maintenance of John Deere equipment. It does not include or imply any warranty information regarding the original John Deere product or its components. For warranty details pertaining to your John Deere Compact Utility Tractor, please refer to the original documentation provided with your equipment or contact an authorized John Deere dealer.

SUPPORT

For technical assistance beyond the scope of this manual, or for genuine John Deere parts, please contact your nearest authorized John Deere dealer. They can provide expert advice, specialized tools, and original equipment manufacturer (OEM) parts to ensure the proper functioning and longevity of your tractor.

You can find contact information for authorized John Deere dealers on the official John Deere website:

www.deere.com

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