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› AgPubs Service Repair Manual for Case 888 Crawler Excavator

## AgPubs 888 Crawler Excavator

# Service Repair Manual for Case 888 Crawler Excavator

Technical Book for Workshop Overhaul and Maintenance

## INTRODUCTION TO YOUR SERVICE MANUAL

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This manual is designed to provide comprehensive technical information necessary for the repair, overhaul, and troubleshooting of the Case 888 Crawler Excavator. It is an essential resource for technicians and owners performing detailed maintenance and service operations.

Understanding the different types of manuals available is crucial for effective equipment management. This particular manual is a **Service Manual**, which focuses on detailed repair procedures, overhaul instructions, and systematic troubleshooting guides. For basic operation, fluid types, and adjustments, an Operator's Manual would be required. For exploded views and factory part numbers, a Parts Catalog is used.

This reproduction manual is crafted for durability, often surpassing the longevity of original vintage prints, ensuring it remains a reliable reference for years to come.

## GENERAL INFORMATION AND SAFETY

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This section covers fundamental aspects of the Case 888 Crawler Excavator, including safety guidelines, general specifications, and initial maintenance schedules. Adhering to these guidelines is paramount for safe operation and effective servicing.

### Key Topics:

- Safety Rules and Service Manual Introduction
- General Engine Specifications

- General Machine Specifications
- Maintenance and Lubrication Schedules

	SECTION NO.	FORM NO.
<b>8 HYDRAULICS</b>		
Removal and Installation of Hydraulic Components . . . . .	8200	8-69450
Maintenance and Service . . . . .	8201	8-69460
Specifications and Troubleshooting . . . . .	8202	9-69470
Low Pressure Hydraulic Pump . . . . .	8204	8-67860
Attachment Control Valve . . . . .	8206	8-67880
Drive Control Valve . . . . .	8207	8-67891
Control Valve for Options . . . . .	8208	8-67900
Solenoid Control Valve and Swing Brake Release Valve . . . . .	8210	8-67910
Swing Control Valve . . . . .	8212	8-67920
Hydraulic Swivel . . . . .	8218	8-67950
Hand Control Valve . . . . .	8219	8-59570
Foot Control Valve . . . . .	8220	8-59580
Hydraulic Hammer Control Valve . . . . .	8222	8-59630
Variator . . . . .	8224	8-59620
Selector Block . . . . .	8226	8-59610
Cylinders . . . . .	8290	8-67960
<b>9 MOUNTED EQUIPMENT</b>		
Boom, Arm, and Tool . . . . .	9211	8-69490
Turntable Bearing and Related Parts . . . . .	9216	8-69500
<b>SCHEMATICS IN REAR POCKET</b>		
Electrical Schematics . . . . .		870594
Location Schematic (Left) . . . . .		870595
Location Schematic (Right) . . . . .		870596
Hydraulic Schematic . . . . .		870606

Image: A page from the manual displaying the initial sections of the Table of Contents, including General Information, Engines, Fuel System, Electrical, Track, and Power Train.

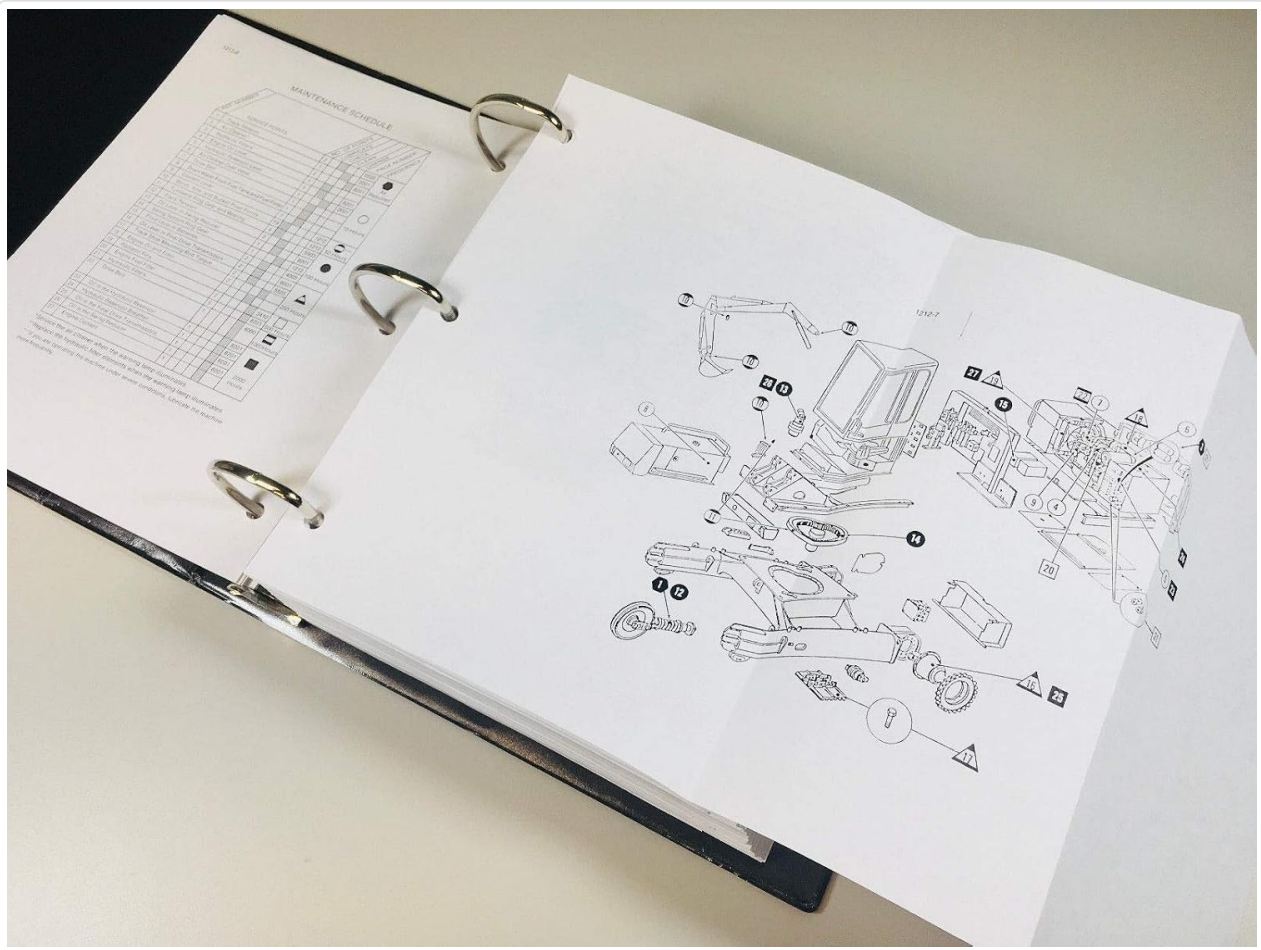


Image: A continuation of the Table of Contents, detailing sections on Hydraulics, Mounted Equipment, and various Schematics located in the rear pocket of the manual.

## ENGINE SYSTEMS: REPAIR AND OVERHAUL

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This section provides detailed instructions for the complete servicing of the Case 888 Crawler Excavator's engine. It covers everything from basic removal and installation to complex component overhauls.

### Topics Covered:

- Engine Removal and Installation
- Engine Accessories
- Cylinder Block, Pistons, Rods, Camshaft, Main Bearings, Oil Seals, and Flywheel
- Lubrication System
- Cooling System
- Turbocharger: Service and Troubleshooting

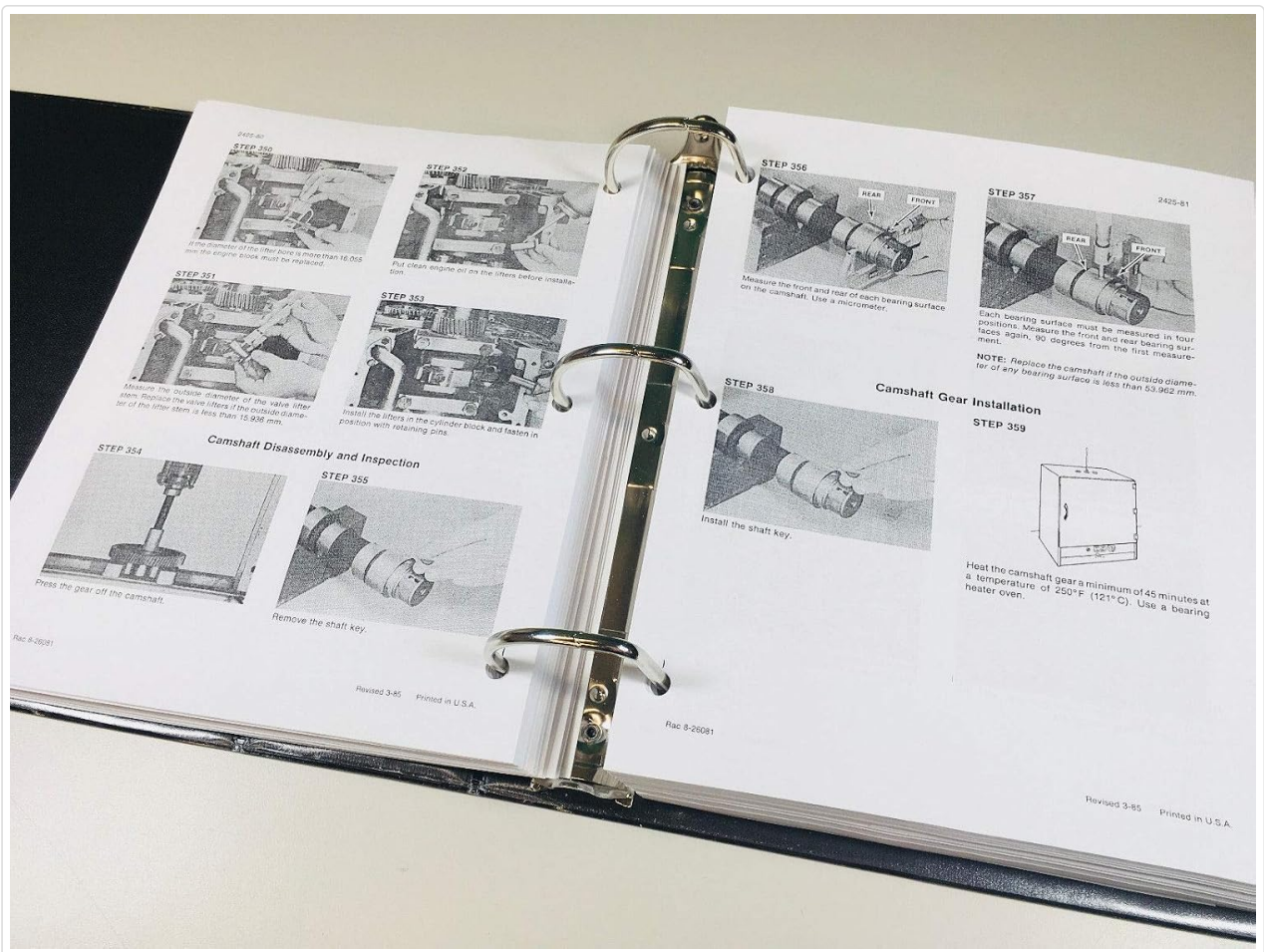


Image: A manual page illustrating step-by-step engine repair procedures, including the installation of a seal and the removal of a wear sleeve, accompanied by clear diagrams.



Image: A section from the manual demonstrating the correct procedures for camshaft disassembly and thorough inspection, complete with supporting illustrations.

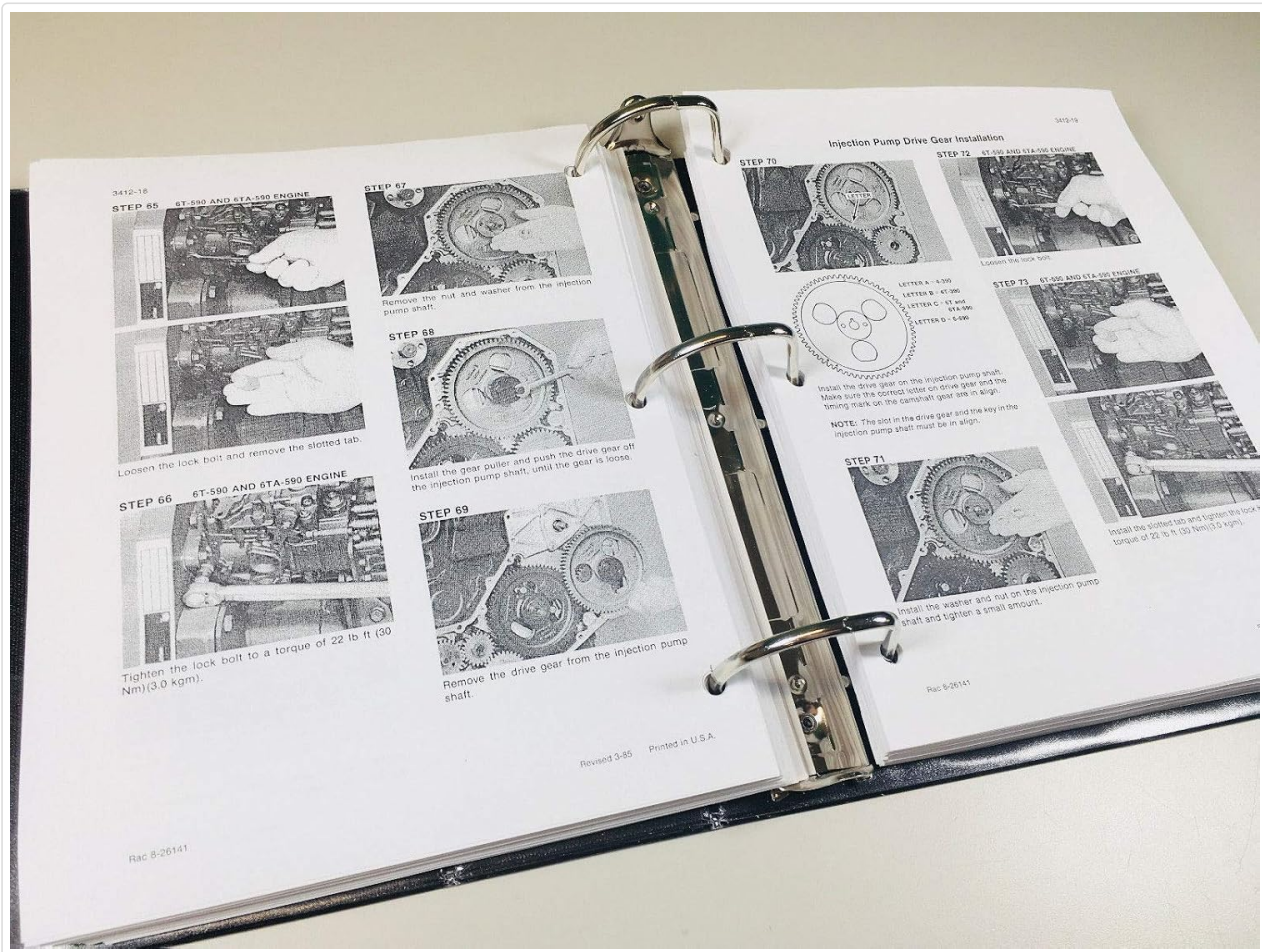


Image: A troubleshooting guide for turbochargers, featuring visual examples of common issues such as compressor blade erosion, turbine damage, and various types of bearing failures.

## FUEL SYSTEM MAINTENANCE AND REPAIR

This section provides comprehensive guidance for the fuel system of the Case 888 Crawler Excavator, ensuring proper fuel delivery and engine performance.

### Key Areas:

- Fuel System Removal and Installation
- Fuel System Filters and Lines
- Fuel Injection Pump and Drive Gear
- Fuel Injectors

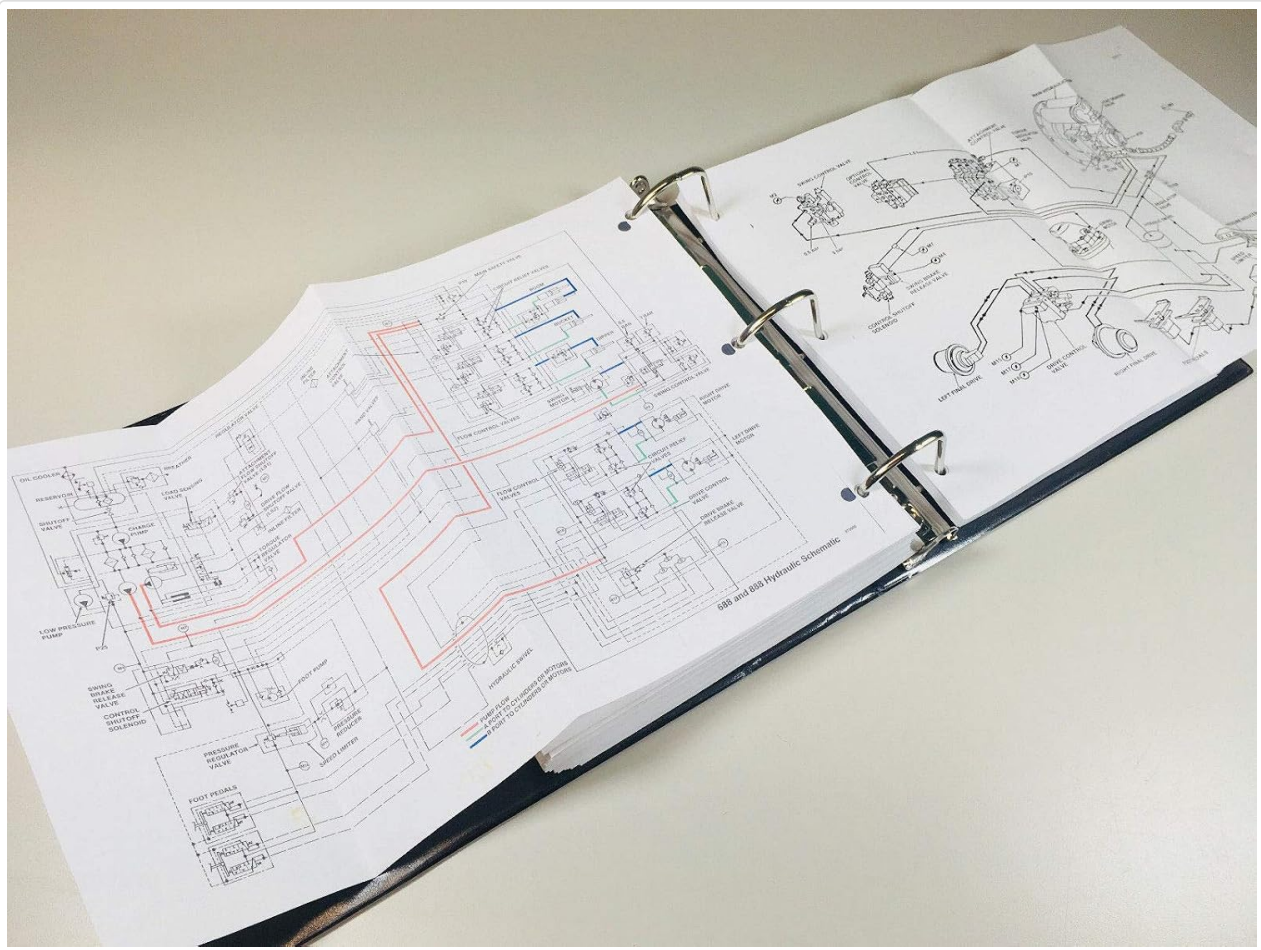


Image: A detailed page from the manual showing the installation process for the injection pump drive gear, complete with numbered steps and corresponding diagrams for clarity.

## ELECTRICAL SYSTEM DIAGNOSTICS AND REPAIR

This section details the electrical components of the excavator, offering guidance on removal, installation, troubleshooting, and schematic interpretation.

### Contents:

- Removal and Installation of Electrical Components
- Electrical Specifications and Troubleshooting
- Electrical Schematic
- Batteries
- Starter and Starter Solenoid
- 24 Volt Alternator

## TRACK SYSTEM SERVICE PROCEDURES

Instructions for maintaining and repairing the track system, crucial for the excavator's mobility and stability.

### **Includes:**

- Removal and Installation of Track Components
- Troubleshooting Track Issues
- Track Chain and Shoes
- Track Rollers, Idler, and Sprocket

## **POWER TRAIN COMPONENTS**

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This section details the power train, providing guidance for its maintenance, repair, and overhaul to ensure optimal power transmission.

### **Detailed Information On:**

- Removal and Installation of Power Train Components
- General Maintenance
- Drive and Swing Motor
- Hydraulic Motor
- First Drive Transmission
- Swing Transmission
- Swing Drive Reduction

## **HYDRAULIC SYSTEM OVERHAUL AND TROUBLESHOOTING**

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A comprehensive guide to the hydraulic system, covering all aspects from component removal to troubleshooting complex issues.

### **Topics Include:**

- Removal and Installation of Hydraulic Components
- Maintenance and Service Procedures
- Specifications and Troubleshooting
- Low Pressure Hydraulic Pump
- Attachment Control Valve, Drive Control Valve, Control Valve for Options
- Solenoid Control Valve and Swing Brake Release Valve
- Hydraulic Swivel, Hand Control Valve, Foot Control Valve
- Hydraulic Hammer Control Valve, Variator, Selector Block, Cylinders

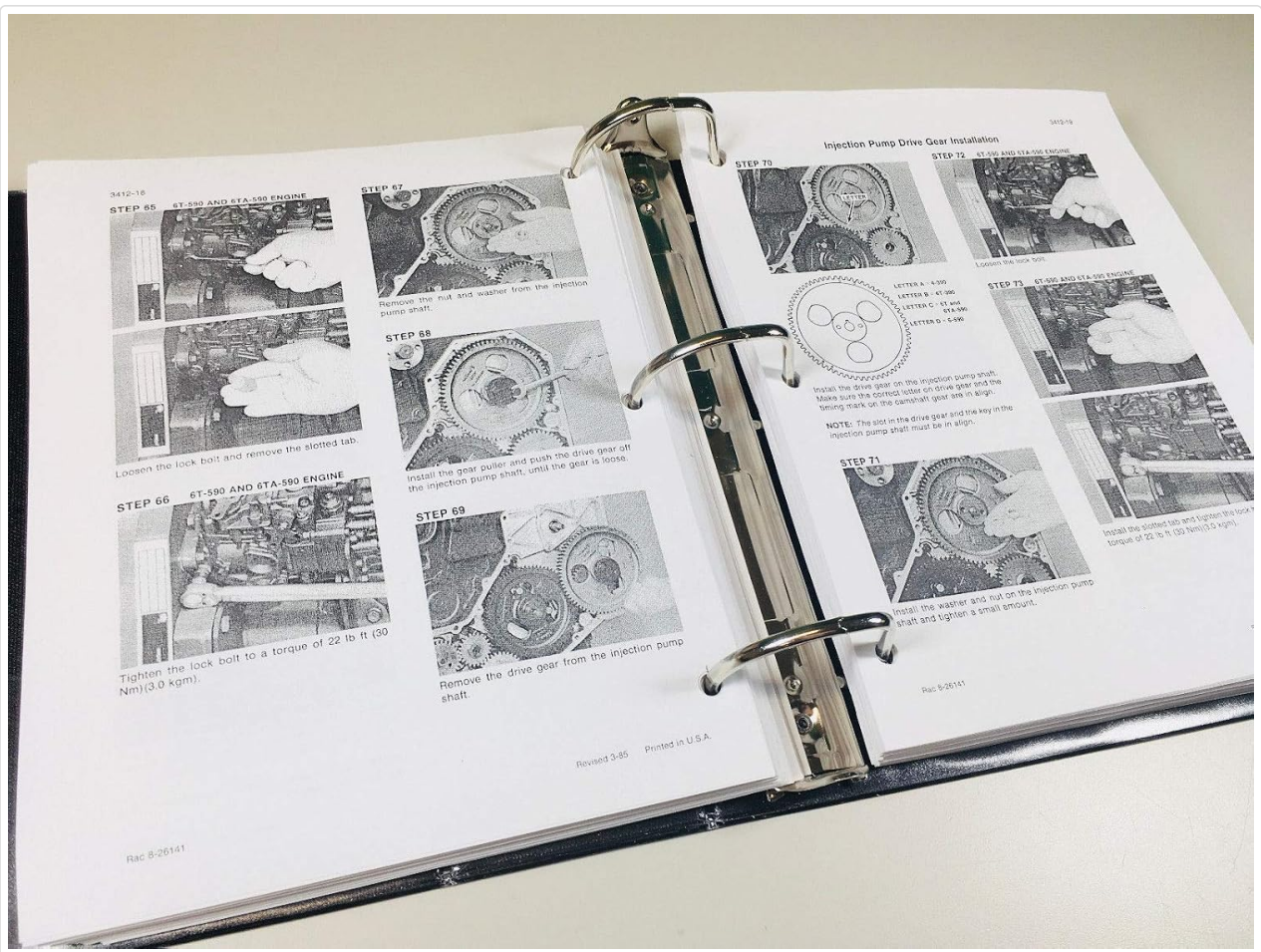


Image: A detailed hydraulic schematic diagram, illustrating the complex network of fluid paths, valves, pumps, and cylinders within the Case 888 excavator's hydraulic system.

## MOUNTED EQUIPMENT SERVICE

This section provides instructions for the maintenance and repair of the excavator's mounted equipment.

### Focuses On:

- Boom, Arm, and Tool
- Turntable Bearing and Related Parts

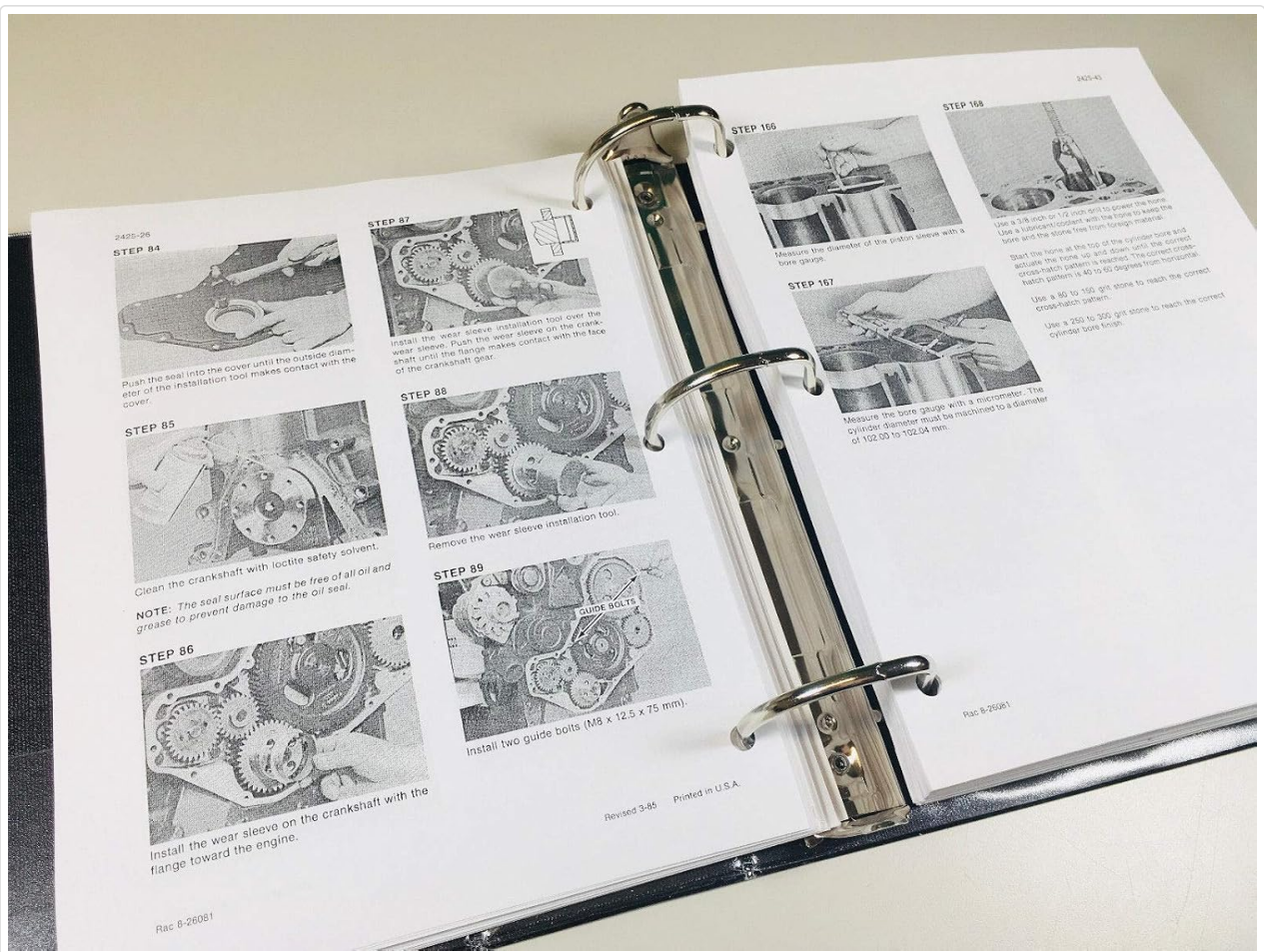


Image: An exploded view diagram illustrating the various components of the excavator's mounted equipment and their assembly, aiding in identification and reassembly.

## SCHEMATICS AND DIAGRAMS

Detailed schematics are provided to assist in diagnosing and repairing electrical and hydraulic systems. These diagrams are typically found in a dedicated section or 'rear pocket' of the manual for easy reference.

### Available Schematics:

- Electrical Schematics
- Location Schematics (Left and Right)
- Hydraulic Schematics

## IMPORTANT NOTES FOR MANUAL USE

To maximize the utility of this service manual, always refer to the specific section relevant to your task. Utilize the detailed illustrations and step-by-step instructions to ensure accurate and safe repairs. Using a factory-authored manual like this can significantly reduce frustration and wasted time, leading to more efficient and cost-effective maintenance.

