

AgPubs 350B

AgPubs Case 350B Crawler Dozer Loader Service Repair Manual

Comprehensive Technical Workshop, Troubleshooting, and Overhaul Instructions

INTRODUCTION TO THE CASE 350B SERVICE MANUAL

This document is a service and repair manual specifically designed for the Case 350B Crawler Dozer Loader. It provides detailed instructions for technical workshop procedures, troubleshooting, and complete overhaul operations.

Understanding the type of manual required is crucial for effective equipment maintenance and repair.

Generally, three primary types of manuals exist for equipment:

- **Service Manual:** Focuses on repair, overhaul, and troubleshooting procedures. This manual falls into this category.
- **Operators Manual:** Covers basic maintenance, operational guidelines, fluid types, quantities, and adjustments.
- **Parts Catalog:** Provides exploded views, part names, and factory (OEM) part numbers for identification.

This service manual is an essential resource for technicians and owners performing in-depth maintenance and repair on the Case 350B Crawler Dozer Loader.

MANUAL CONTENT OVERVIEW

The manual is structured into several key sections, each addressing specific components and systems of the Case 350B Crawler Dozer Loader. This organization facilitates easy navigation to relevant repair information, including detailed maintenance and troubleshooting guides.



Image: Front cover of the Case 350B Crawler Service Manual, indicating its binder format and main section categories.

Detailed Sections Include:

- **10 - General:** General engine specifications, details and repairing, maintenance, torque charts, and noise control.
- **20 - Engine:** Engine diagnosis, tune-up, cylinder head, valve train, crankshaft, bearings, flywheel, oil seals, oil pump, air cleaner, muffler, ether injection system, cooling system, and engine lubrication.
- **30 - Fuel System:** Fuel filter, injection pump, injectors, engine controls, fuel lines, and fuel tank.
- **40 - Electrical System:** Wiring diagrams, gauges, battery, starter and starter solenoid, alternator, and electrical accessories.
- **50 - Track System:** Track and track frame, idler, track adjuster, recoil housing, sprockets, carrier rollers, and track rollers.
- **60 - Power Train:** Power shuttle troubleshooting and testing, power shuttle and torque converter, transmission and differential, universal joint coupling, final drives, and power takeoff.
- **70 - Brakes:** Detailed information on the braking system.
- **80 - Hydraulic System:** General hydraulic system information, hydraulic pump, equipment control valve, cylinders,

and backhoe control valve.

- **90 - Mounted Equipment:** Loader, dozer blade and frame, ripper, ROPS canopy, backhoe, and winch.

350B CRAWLER		
TABLE OF CONTENTS		
SERIES/SECTION	SECTION NO.	FORM NO.
10 SERIES - GENERAL		
General Engine Specifications - 188 Engine	1010	9-46321
Decals and Repainting	1012	9-67880
Detailed Engine Specifications - 188 Engine	1027	9-78675
Maintenance and Lubrication	1050	9-67880
Torque Charts	1051	9-67880
Noise Control	1052	9-67880
20 SERIES - ENGINES		
Engine Diagnosis	2001	9-78875
Engine Tune-Up	2002	9-78825
Cylinder Head, Valve Train, and Camshaft	2015	9-78836
Cylinder Block, Sleeves, Pistons, and Rods	2025	9-78855
Crankshaft, Bearings, Flywheel, and Oil Seals	2035	9-78866
Oil Pump	2045	9-78885
General Engine Information	2050	9-67880
Air Cleaner and Muffler	2051	9-67880
Ether Injection System	2053	9-67880
Cooling System	2055	9-78816
Engine Lubrication	2555	9-78985
30 SERIES - FUEL SYSTEM		
Fuel Filters	3010	9-78785
Fuel Injection Pump	3012	9-78795
Fuel Injectors	3013	9-78806
Engine Controls, Fuel Lines, and Fuel Tank	3052	9-67880
40 SERIES - ELECTRICAL SYSTEM		
Electrical System Specifications and Troubleshooting	4002	9-67880
Wiring Diagram	4003	9-67880
Gauges	4004	9-67880
Battery	4005	9-67880
Starter and Starter Solenoid	4006	9-67880
Alternator	4007	9-67880
Electrical Accessories	4015	9-67880
50 SERIES - TRACK SYSTEM		
Track and Track Frame	5506	9-67880
Idler, Track Adjuster, and Recoil Housing	5508	9-67880
Sprocket	5509	9-67880
Carrier Rollers	5510	9-67880
Track Rollers	5511	9-67880

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50-TRACK SUSPENSION

10-GENERAL

20-ENGINE

30-FUEL SYSTEM

40-ELECTRICAL

Image: Partial Table of Contents detailing sections 10 through 50, including General, Engine, Fuel System, Electrical, and Track System.

SERIES/SECTION	SECTION NO
60 SERIES - POWER TRAIN	
Power Shuttle Troubleshooting and Testing	6202
Power Shuttle and Torque Converter	6210
Transmission and Differential	6214
Universal Joint Coupling	6222
Final Drives	6225
Power Takeoff	6231
70 SERIES - BRAKES	
Brakes	7001
80 SERIES - HYDRAULIC SYSTEM	
General Hydraulic System Information	8002
Hydraulic Pump	8005
Equipment Control Valve	8007
Cylinders	8090
Backhoe Control Valve	8107
90 SERIES - MOUNTED EQUIPMENT	
Loader	9010
Dozer Blade and Frame	9020
Ripper	9031
ROPS Canopy	9061
Backhoe	9100
Winch	9300

Image: Partial Table of Contents detailing sections 60 through 90, including Power Train, Brakes, Hydraulic System, and Mounted Equipment.

BENEFITS OF USING THIS MANUAL

This service manual offers several advantages for maintaining and repairing your Case 350B Crawler Dozer Loader:

- **Quality Reproduction:** This is a high-quality reproduction manual, designed for durability, often surpassing the longevity of original vintage prints.
- **Cost Savings:** Enables do-it-yourself repairs, potentially saving significant costs associated with professional service.
- **Factory-Authored Content:** Provides factory OEM (Original Equipment Manufacturer) authored information, ensuring accuracy and adherence to manufacturer specifications, which is generally superior to aftermarket alternatives.
- **Efficiency:** Reduces frustration and wasted time by providing clear, concise, and accurate instructions for complex procedures.

ILLUSTRATIONS AND DIAGRAMS

The manual includes numerous illustrations, diagrams, and step-by-step photographic sequences to aid in understanding complex repair processes. These visual aids are critical for accurate assembly, disassembly, and system comprehension.

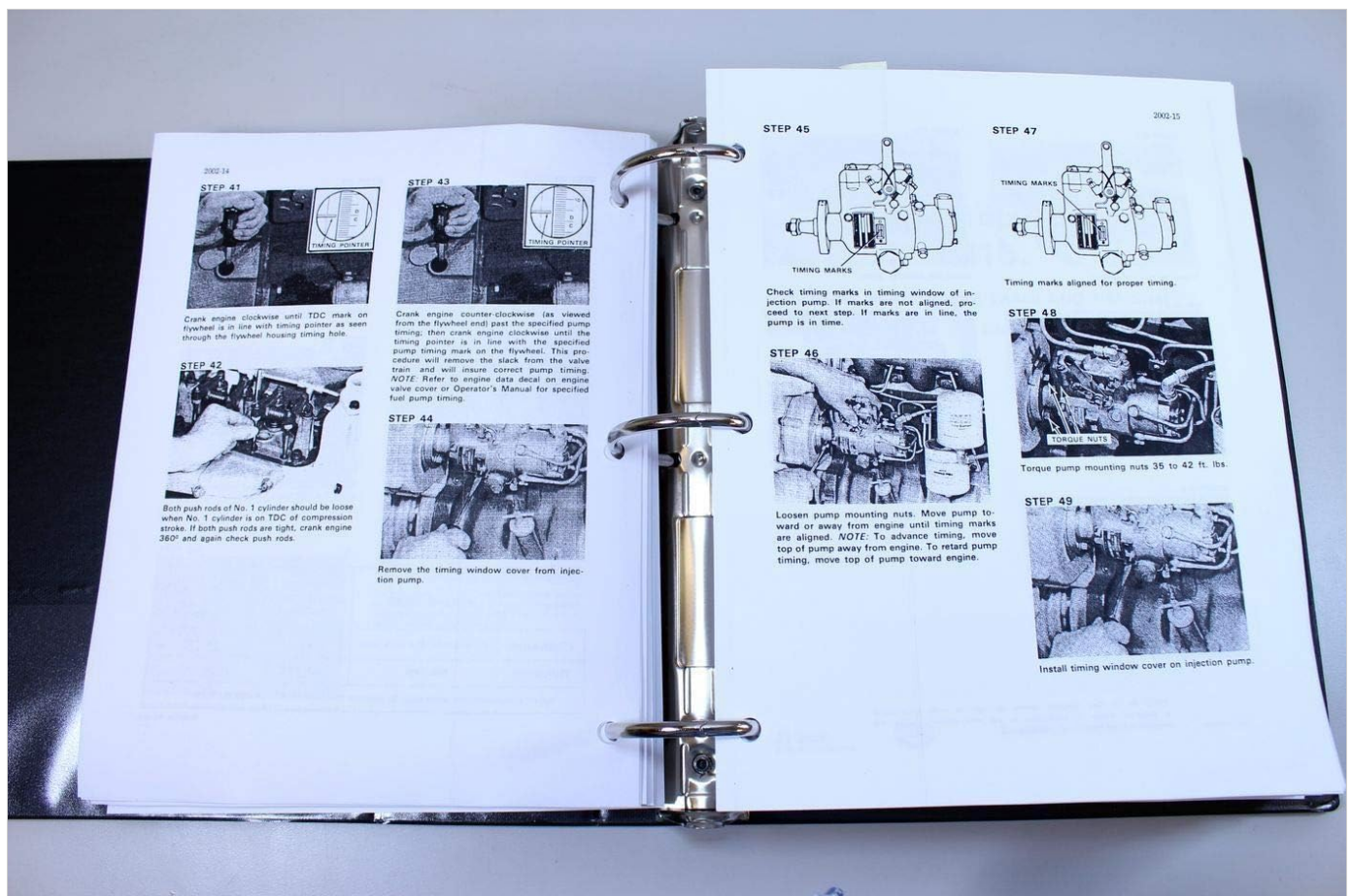


Image: Example page illustrating timing mark adjustments and injection pump installation steps with accompanying diagrams.

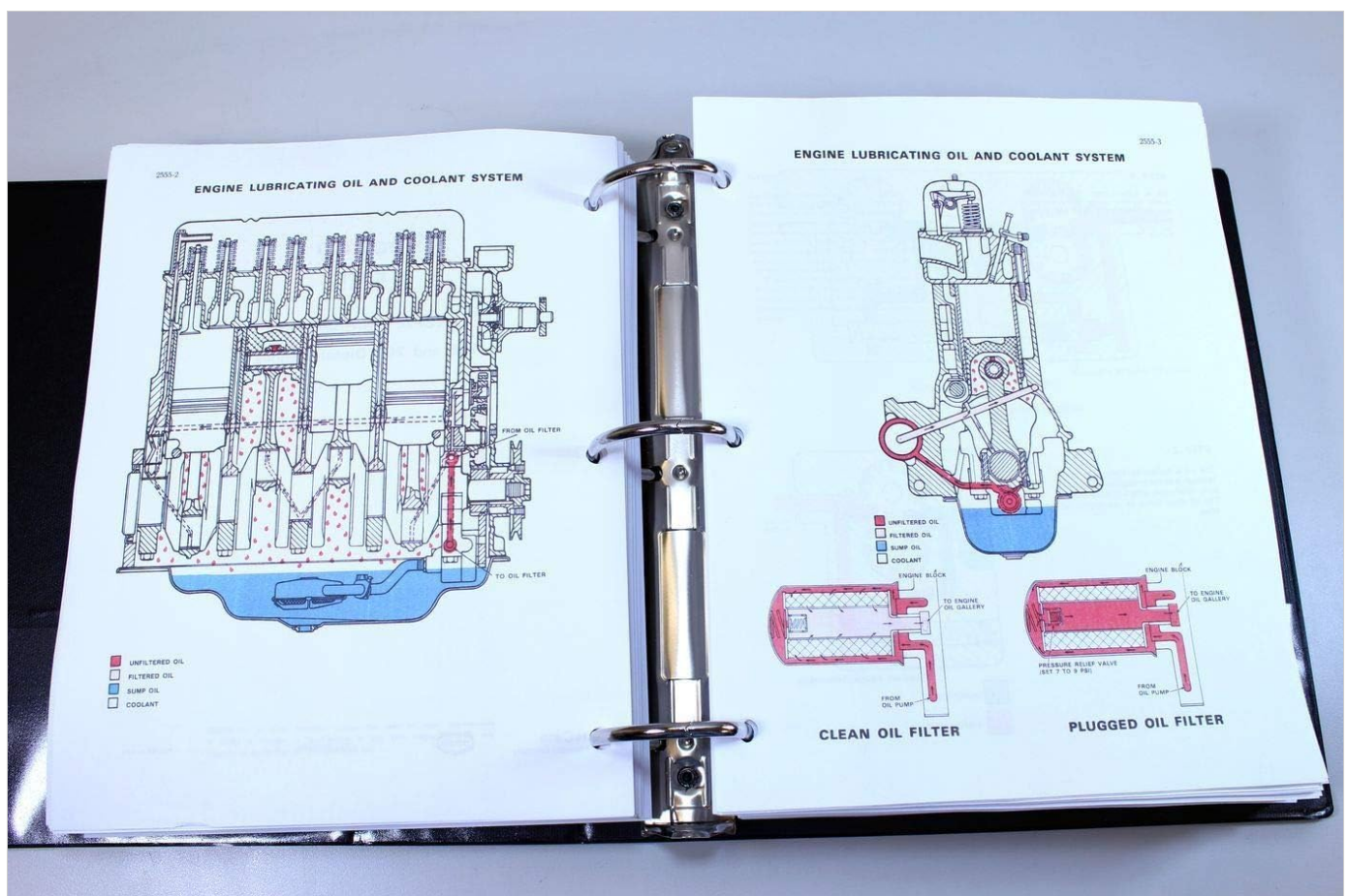


Image: Detailed diagrams explaining the engine lubricating oil and coolant system flow paths.

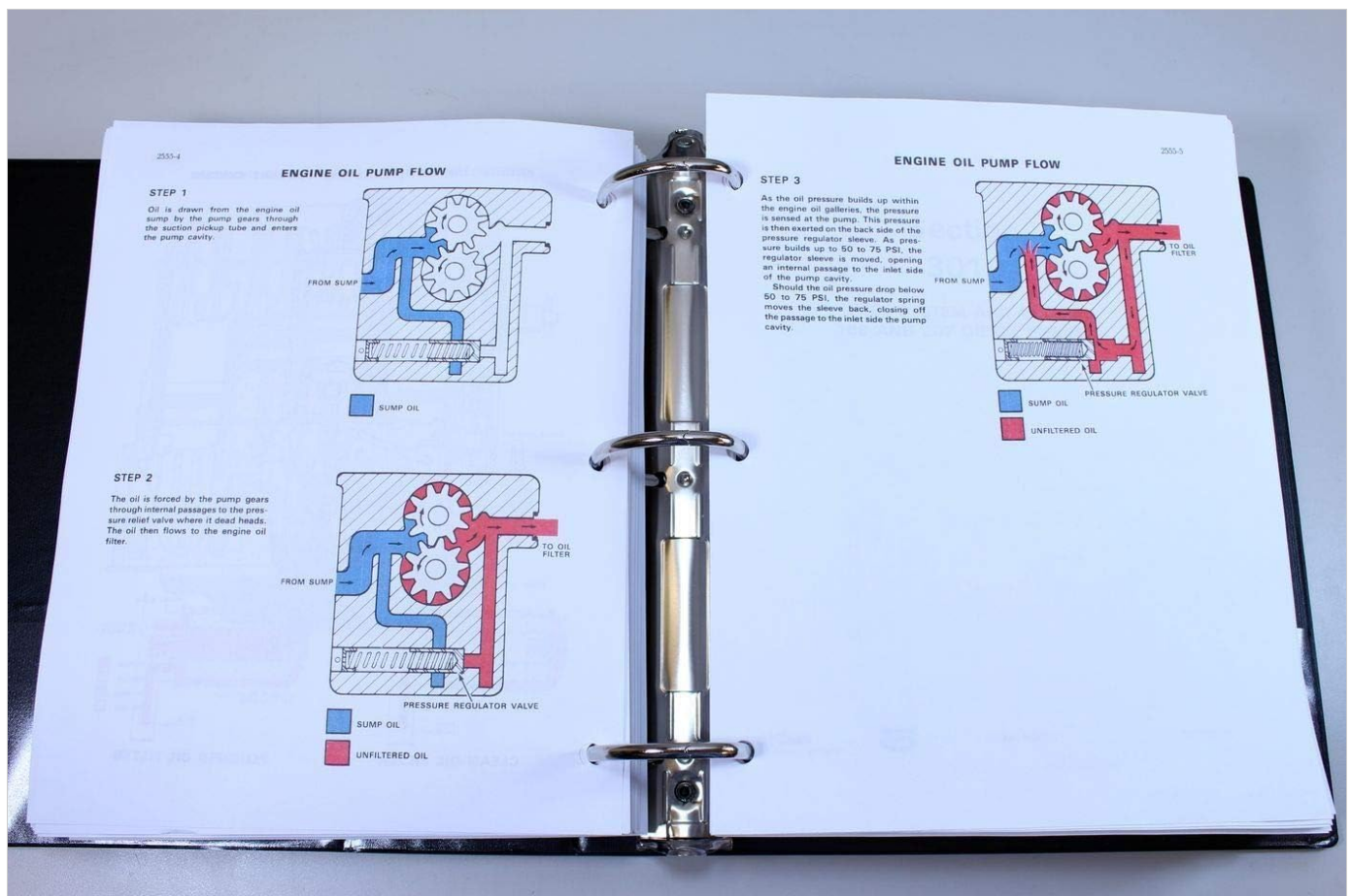


Image: Step-by-step diagrams illustrating the operational flow of the engine oil pump.

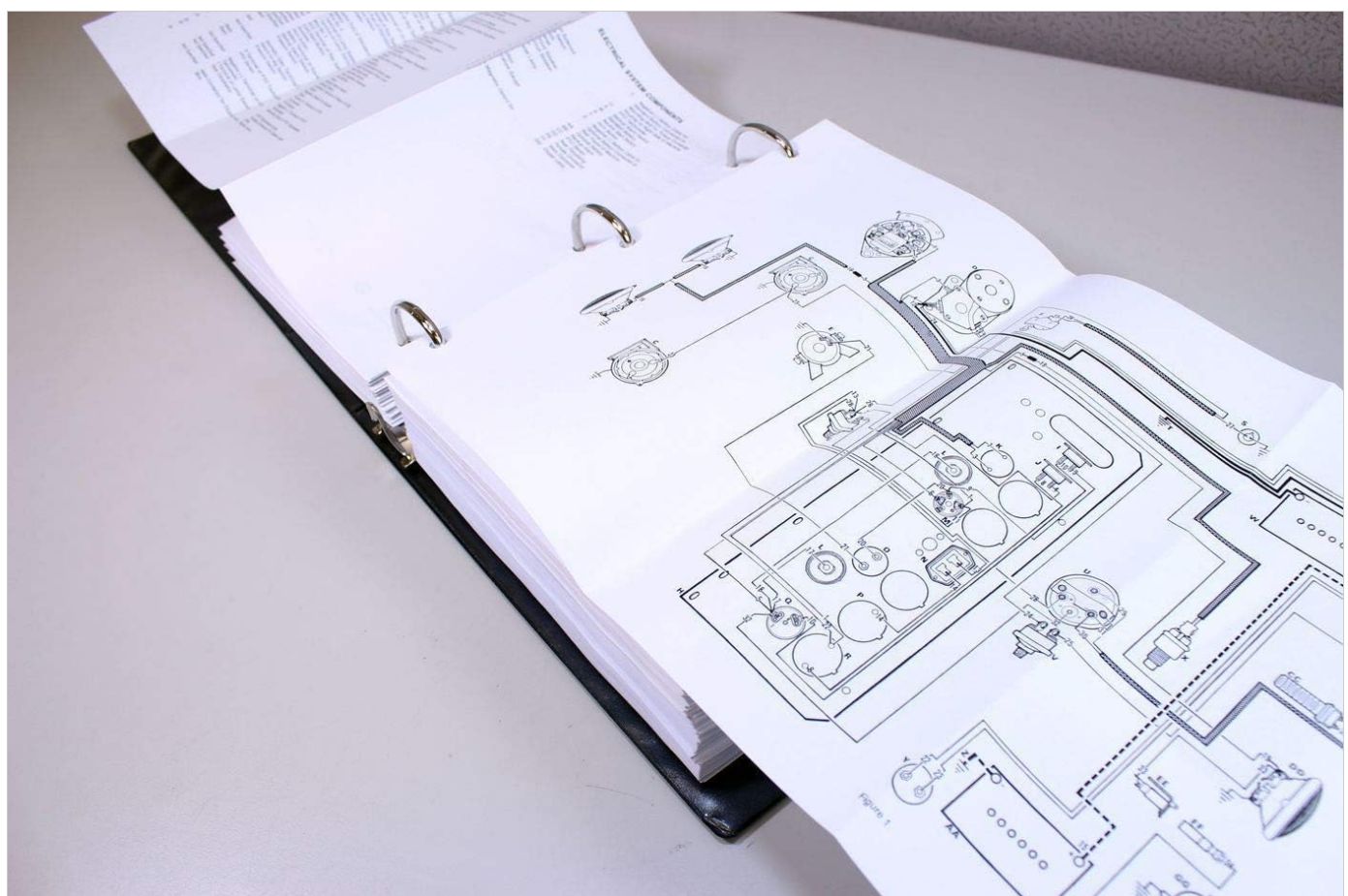


Image: View of open manual pages displaying intricate electrical system diagrams, crucial for troubleshooting.

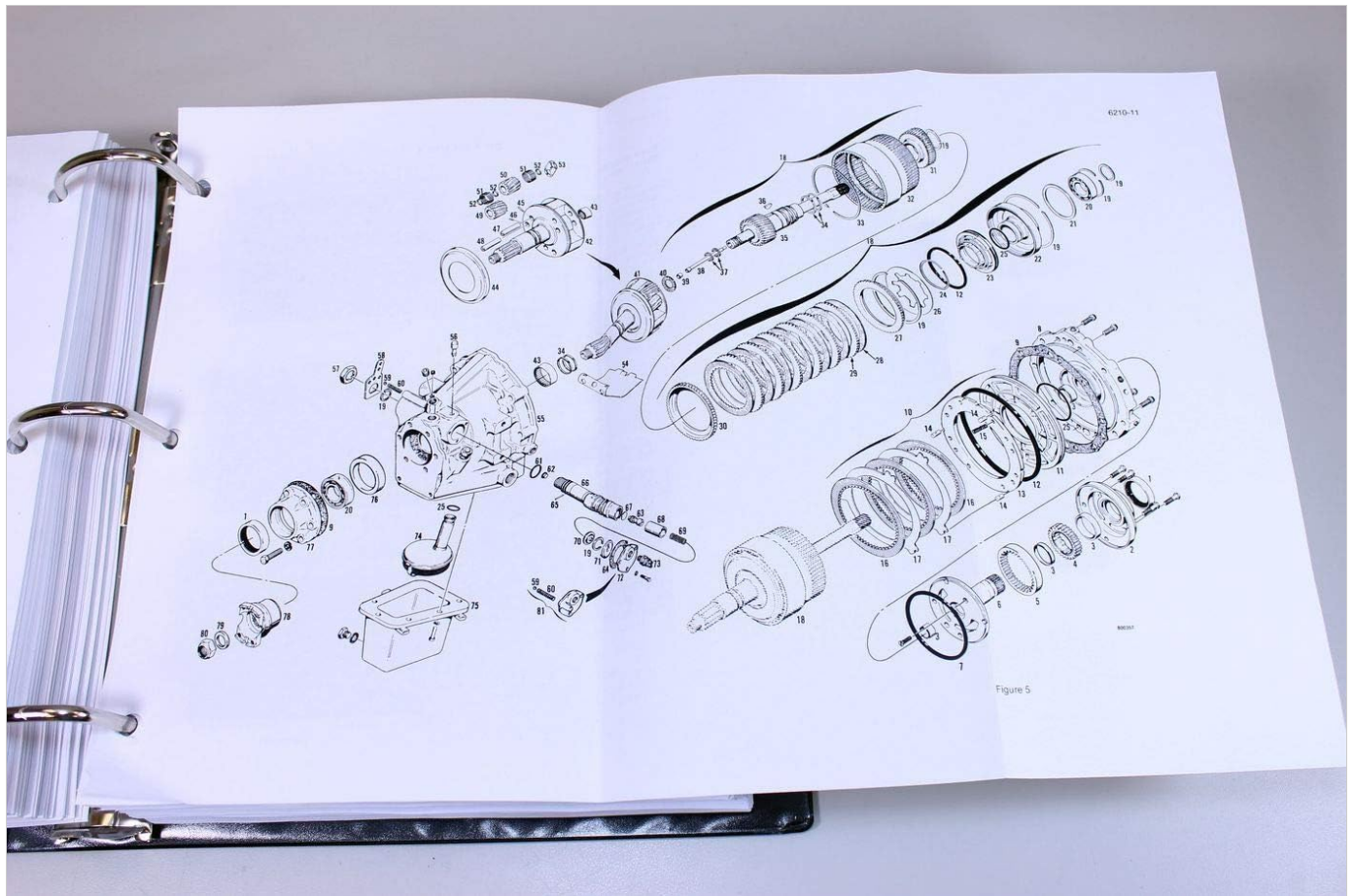


Image: Exploded view diagram detailing the components of a power train assembly, aiding in correct reassembly.

SPECIFICATIONS OF THE MANUAL

- **Publisher:** AgPubs
- **Format:** Bound in a durable binder for easy reference and page protection.
- **Content:** Covers all major systems for service, repair, and overhaul of the Case 350B Crawler Dozer Loader, including detailed specifications for various components as found in the 'General' section.

SUPPORT AND ADDITIONAL INFORMATION

For any inquiries regarding the content or format of this manual, please refer to the publisher, AgPubs. This manual is intended as a technical resource for qualified individuals performing maintenance and repair on the specified equipment.

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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.

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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