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› AgPubs Case 1187 1187B Feller Buncher Service Repair Manual

AgPubs 1187 1187B

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Comprehensive Technical Information for Maintenance, Repair, and Overhaul

INTRODUCTION

This manual provides detailed service, repair, and overhaul instructions for the Case 1187 and 1187B Feller Buncher models. It is designed to assist qualified technicians and experienced operators in performing maintenance and repair procedures correctly and efficiently.

Refer to the specific sections for detailed information on various components and systems of the Feller Buncher.



Image: Front cover of the AgPubs Service Manual for Case 1187 and 1187B Feller Bunchers, showing the title and a graphic of the machinery.

MANUAL TYPE DEFINITIONS

Understanding the purpose of different manual types is crucial for effective equipment maintenance. This document is a Service Manual.

- **Service Manual:** Contains detailed instructions for repair, overhaul, and troubleshooting of equipment components and systems.
- **Operators Manual:** Provides information on basic maintenance, operational procedures, fluid types, quantities, and adjustments necessary for daily use.
- **Parts Catalog:** Features exploded views, part names, and original equipment manufacturer (OEM) part numbers for identifying and ordering replacement parts.

GENERAL INFORMATION

This section covers fundamental aspects applicable across the Feller Buncher, ensuring safe and effective service operations.

- Safety Rules
- Service Manual Introduction
- Torque Specifications
- Maintenance and Lubrication
- General Engine Specifications (Case Engine)
- General Cleaning Instructions
- Detailed Engine Specifications (Case Engine)

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Image: A page from the manual's table of contents, showing sections like General, Engine, Fuel System, Electrical, Track and Suspension, and Power Train.

ENGINE

Detailed procedures for engine maintenance, repair, and troubleshooting are provided here, including specific information for the Detroit Diesel Series 71 engine.

- Engine Removal and Installation
- Engine Accessories (Air Cleaner, Ether Injection System, Turbocharger, Mufflers)
- Engine Tune-Up
- Cylinder Head, Valve Train, and Camshaft
- Cylinder Block, Sleeves, Pistons, and Rods
- Crankshaft, Main Bearings, Flywheel, and Oil Seal
- Lubrication System

- Cooling System
- Engine Troubleshooting
- Detroit Diesel Engine Manual - Series 71

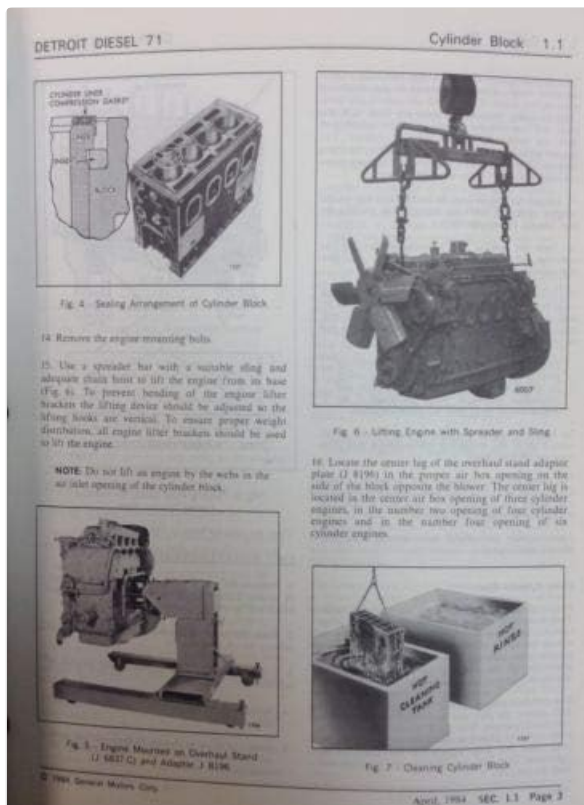


Image: Manual page detailing cylinder block sealing, lifting, engine mounts, and cleaning tank procedures for the Detroit Diesel 71 engine.

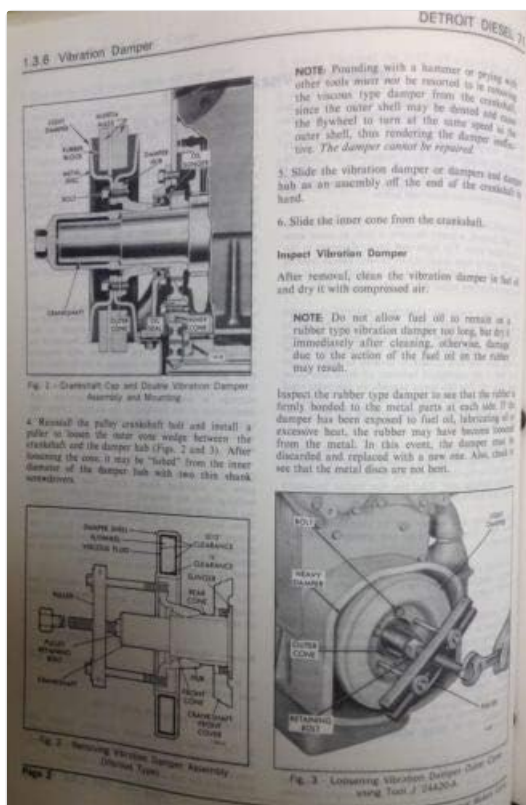


Image: Manual page illustrating the vibration damper assembly and removal, with important notes on inspection and care for the Detroit Diesel 71 engine.

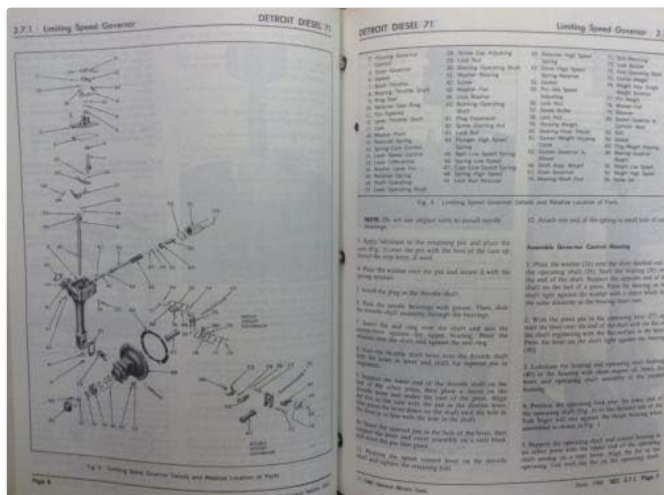


Image: Manual page displaying an exploded view of the limiting speed governor, with a corresponding parts list for the Detroit Diesel 71 engine.

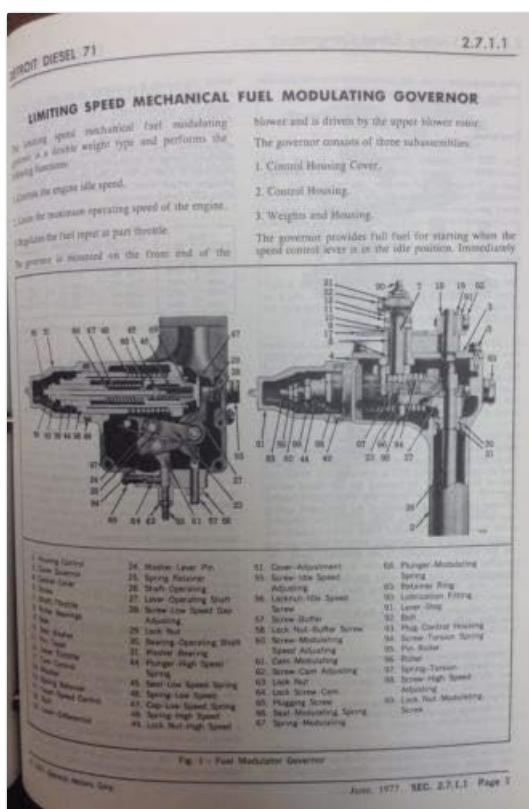


Image: Manual page showing diagrams of the limiting speed mechanical fuel modulating governor, detailing its components and function for the Detroit Diesel 71 engine.

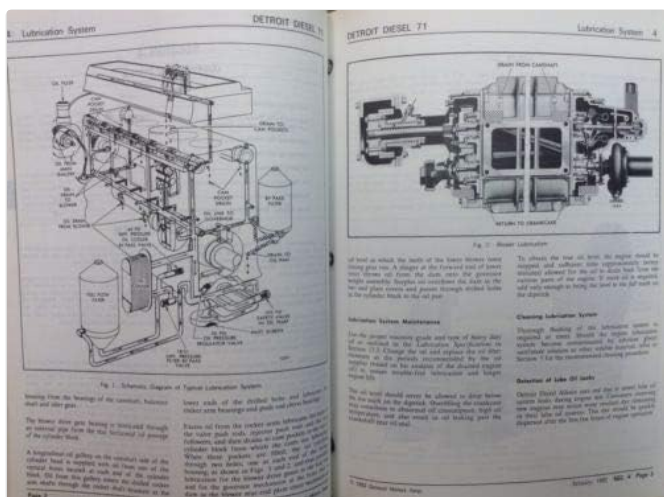


Image: Manual page presenting a schematic of the lubrication system, along with maintenance instructions for the Detroit Diesel 71 engine.

FUEL SYSTEM

This section details the components and maintenance of the Feller Buncher's fuel system.

- Fuel Lines, Fuel Tank, and Engine Controls
- Fuel System and Filters
- Robert Bosch Fuel Injection Pumps
- Roosa Master Fuel Injectors

ELECTRICAL SYSTEM

Information regarding the electrical components, wiring, and troubleshooting procedures.

- Electrical System Specifications and Troubleshooting
- Wiring Diagrams and Sealed Connector Repair
- Battery
- Alternator
- Starter

TRACK AND SUSPENSION

This section covers the maintenance and repair of the track and suspension components, including specific instructions for track chain removal and installation.

- Troubleshooting
- Track Chain and Shoes, 1187
- Track Chain and Shoes, 1187B
- Track Rollers, Carriers, Idler, and Sprocket

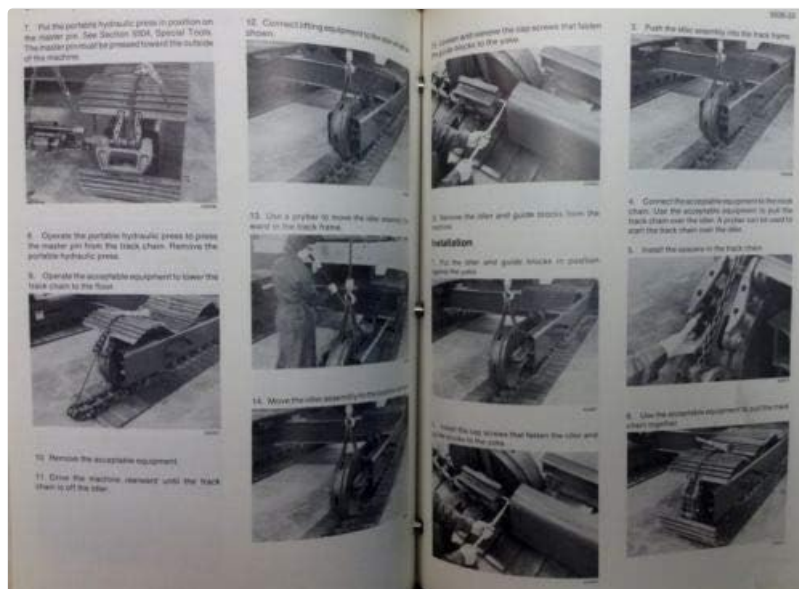


Image: Manual pages illustrating a multi-step process for the removal and installation of the track chain, showing various tools and techniques.

POWER TRAIN

Details on the power train components, including drive motors and final drive transmissions.

- Troubleshooting
- Drive Motor, Circuit and Lines
- Drive Motor
- Final Drive Transmission
- Final Drive Transmission - 1187B

BRAKES

Instructions for the maintenance and repair of the Feller Buncher's braking systems.

- Swing Brake
- Track Brake

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Image: A page from the manual's table of contents, showing sections like Brakes, Hydraulics, and Mounted Equipment.

HYDRAULICS

Comprehensive guide to the hydraulic system, including schematics, troubleshooting, and component-specific procedures.

- Maintenance and Service
- Hydraulic System Specifications, Schematics, Troubleshooting, and Pressure Checks

- Hydraulic Pump
- Control Valves
- Swing Hydraulic Circuit, Swing Motor, and Swing
- Relief Valve
- Boom Hydraulic Circuit
- Dipper Hydraulic Circuit
- Rotary Cutter or Tree Shear Hydraulic Circuit
- Leveler Hydraulic Circuit
- Hydraulic Swivel
- Pilot Control System
- Cylinders

MOUNTED EQUIPMENT

Service and repair information for various mounted equipment components.

- Troubleshooting the Swing Mechanism
- Swing Gearbox
- Boom and Dipper
- Tree Shear
- Rotary Cutter
- Leveler
- Turntable Bearing
- Decals, Painting, and Noise Control

SPECIFICATIONS

Detailed technical specifications for the Case 1187 and 1187B Feller Buncher components are integrated within their respective sections throughout this manual. Refer to the relevant sections for specific dimensions, capacities, and performance data.

SUPPORT

For additional technical assistance or inquiries regarding this AgPubs service manual, please refer to the contact information provided within the physical manual or contact your equipment dealer.

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

Open the live page

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