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Gehl CB860

Gehl CB860 Forage Harvester Instruction Manual

Model: CB860

Introduction

This document provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of the Gehl CB860 Forage Harvester. It is crucial to read and understand all information contained herein before operating or servicing the machine. This manual complements the official Gehl CB860 Forage Harvester Parts Manual, which details all components and their respective part numbers for ordering and assembly purposes.

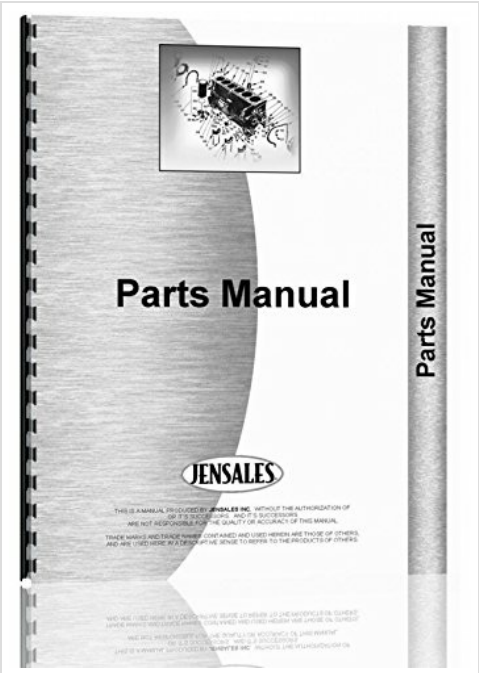


Image: The official Gehl CB860 Forage Harvester Parts Manual. This manual is a critical resource for identifying and ordering replacement parts, ensuring the longevity and proper function of your equipment.

Safety Information

Always prioritize safety when operating or maintaining the Gehl CB860 Forage Harvester. Failure to follow safety guidelines can result in serious injury or death.

- **Read the Manual:** Thoroughly read and understand this entire instruction manual and the separate Parts Manual before operation.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, hearing protection, gloves, and sturdy footwear.
- **Machine Inspection:** Before each use, inspect the harvester for any damaged parts, loose fasteners, or leaks. Do not operate if any issues are found.
- **Clear Area:** Ensure the operating area is clear of bystanders, children, and pets. Maintain a safe distance from moving parts.
- **Power Disconnection:** Always disconnect power and ensure all moving parts have stopped before performing any maintenance, adjustments, or clearing blockages.
- **Sharp Blades:** Be aware of extremely sharp cutting blades. Use caution and appropriate tools when working near them.
- **Fire Safety:** Keep a fire extinguisher readily available. Ensure the engine and exhaust system are free of debris to prevent fire hazards.

Setup

Proper setup is essential for optimal performance and safety.

1. **Attachment to Tractor:** Securely attach the forage harvester to a tractor of appropriate horsepower using the drawbar and PTO shaft. Ensure the PTO shaft is correctly sized and lubricated.
2. **Hydraulic Connections:** Connect all necessary hydraulic lines to the tractor's hydraulic system. Verify connections are secure and free of leaks.
3. **Tire Pressure:** Check and adjust tire pressure to the recommended levels specified in the machine's decals or the full service manual.
4. **Cutting Height Adjustment:** Adjust the cutting head height according to the crop type and desired stubble height. Refer to the machine's specific adjustment mechanisms.
5. **Lubrication:** Lubricate all grease points as indicated in the maintenance schedule before initial operation.

Operating Instructions

Follow these guidelines for effective and safe operation.

- **Pre-Operation Checklist:**
  - Verify all guards and shields are in place.
  - Check fluid levels (oil, coolant, hydraulic fluid).
  - Ensure all personnel are clear of the machine.
- **Starting the Harvester:** Engage the PTO slowly and gradually increase engine RPM to the recommended operating speed.
- **Feeding the Crop:** Drive at a consistent speed appropriate for the crop density and height. Avoid overloading the machine.
- **Monitoring Performance:** Continuously monitor the harvester's performance, listening for unusual noises and checking for blockages.
- **Clearing Blockages:** If a blockage occurs, immediately disengage the PTO, shut off the tractor engine, and wait for all moving parts to stop before attempting to clear it. Use appropriate tools, never your hands.
- **Shutting Down:** Reduce engine RPM, disengage the PTO, and allow the machine to run briefly to clear any

remaining material before shutting off the tractor engine.

Maintenance

Regular maintenance is crucial for extending the life and ensuring the reliability of your Gehl CB860 Forage Harvester.

Task	Frequency	Notes
Lubricate Grease Points	Daily / Every 8 hours	Refer to the lubrication chart in the full service manual.
Inspect Blades	Daily / Before each use	Check for sharpness, damage, and proper gap. Sharpen or replace as needed.
Check Belt Tension	Weekly / Every 50 hours	Adjust tension to manufacturer specifications.
Inspect Chains	Weekly / Every 50 hours	Check for wear, proper tension, and lubrication.
Clean Machine	After each use	Remove crop residue, dirt, and debris to prevent corrosion and fire hazards.

For detailed maintenance procedures and part numbers, consult the Gehl CB860 Forage Harvester Parts Manual and the comprehensive Service Manual.

Troubleshooting

This section provides solutions to common operational issues. For complex problems, contact authorized service personnel.

- **Poor Forage Quality:**
  - *Cause:* Dull or improperly gapped blades.
  - *Solution:* Sharpen or replace blades; adjust blade gap according to specifications.
- **Machine Overheating:**
  - *Cause:* Overloading, insufficient cooling, worn bearings.
  - *Solution:* Reduce operating speed/feed rate; clean cooling fins; inspect and replace bearings if necessary.
- **Excessive Vibration:**
  - *Cause:* Unbalanced rotor, worn bearings, loose components.
  - *Solution:* Inspect rotor for damage; check and replace worn bearings; tighten all fasteners.
- **PTO Shaft Disengagement:**
  - *Cause:* Incorrect PTO shaft length, worn universal joints, improper hitching.
  - *Solution:* Verify PTO shaft length and angle; inspect universal joints; ensure proper tractor-harvester hitching.

Specifications

General specifications for the Gehl CB860 Forage Harvester. Exact specifications may vary based on model year and configuration. Refer to your specific machine's data plate for precise details.

- **Model:** Gehl CB860
- **Type:** Forage Harvester
- **Power Requirement:** Typically requires a tractor with 80-120 HP (horsepower) PTO.
- **Cutting Width:** Varies by header type (e.g., 6-8 ft for row crop, 9-12 ft for windrow).
- **Feed Rollers:** Multiple aggressive feed rollers for consistent material flow.
- **Blower System:** High-capacity blower for efficient discharge.
- **Weight:** Approximately 4,000 - 6,000 lbs (1800 - 2700 kg) depending on configuration.

Warranty Information

Gehl products are typically covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty for your Gehl CB860 Forage Harvester are provided at the time of purchase. Please retain your purchase receipt and warranty documentation.
For warranty claims or detailed information, please contact your authorized Gehl dealer. Unauthorized modifications or improper use may void the warranty.

Support

For technical assistance, parts inquiries, or service scheduling, please contact your local authorized Gehl dealer. When contacting support, please have your machine's model number (CB860) and serial number readily available. You can find your nearest authorized dealer by visiting the official Gehl website or by searching online for "Gehl dealer near me".
Note: This instruction manual is a general guide. Always refer to the specific service manual and parts manual for your exact model and serial number for the most accurate and detailed information.

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