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Gehl 1640

Gehl 1640 Rear Unload Forage Box Operator's Manual

Model: 1640

Brand: Gehl

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of the Gehl Model 1640 Rear Unload Forage Box. Adherence to the instructions herein will ensure optimal performance and longevity of your equipment. Please read this manual thoroughly before operating the machine.



Image: Cover of the Gehl 1640 Rear Unload Forage Box Operator's Manual. The cover displays "1640 Rear Unload Forage" and "OPERATOR'S MANUAL".

Box" prominently, along with an illustration of the forage box itself. The manual title "OPERATOR'S MANUAL" is at the bottom, and "GEHL AGRICULTURE" is vertically aligned on the right side.

SAFETY INFORMATION

Always prioritize safety when operating or maintaining the Gehl 1640 Forage Box. Read and understand all safety decals on the forage box and in this manual before operation. Failure to follow safety instructions can result in serious injury or death.

- Ensure all guards and shields are in place before operating.
- Keep hands, feet, and clothing away from moving parts.
- Never allow riders on the forage box.
- Always disengage the PTO and shut off the tractor engine before performing any maintenance or adjustments.
- Be aware of overhead power lines and underground utilities when operating.
- Use appropriate personal protective equipment (PPE) such as safety glasses, gloves, and hearing protection.

SETUP AND ASSEMBLY

Proper setup is crucial for the safe and efficient operation of your Gehl 1640 Forage Box. Follow these guidelines for initial preparation and connection to the tractor.

Hitching to Tractor

1. Position the forage box on level ground.
2. Back the tractor slowly to align the drawbar with the forage box hitch.
3. Secure the hitch pin and safety clip.
4. Connect the PTO shaft, ensuring it is properly locked.
5. Attach hydraulic hoses and electrical connections as required.
6. Connect safety chains to the tractor.

Tire Pressure

Verify that all tires are inflated to the recommended pressure as specified in the tire manufacturer's guidelines or on the forage box's data plate. Correct tire pressure is essential for stability and load capacity.

OPERATING INSTRUCTIONS

This section details the procedures for operating the Gehl 1640 Forage Box, including pre-operation checks, loading, and unloading.

Pre-Operation Checks

- Inspect all moving parts for wear or damage.
- Check all fasteners for tightness.
- Ensure all safety decals are legible and in place.
- Verify proper lubrication of all accessible grease points.
- Confirm PTO shaft is securely attached and guarded.

Loading Procedures

1. Position the forage box in a stable location for loading.
2. Ensure the tractor PTO is engaged at the recommended RPM for the loading equipment.
3. Load forage evenly to maintain balance and stability.
4. Do not overload the forage box beyond its rated capacity.

Unloading Procedures (Rear Unload)

1. Position the forage box at the desired unloading location.
2. Engage the PTO at the recommended speed.
3. Activate the rear unloading mechanism.
4. Monitor the unloading process to prevent blockages.
5. Disengage the PTO once unloading is complete.

MAINTENANCE SCHEDULE

Regular maintenance is essential for the longevity and reliable operation of your Gehl 1640 Forage Box. Follow the recommended schedule and procedures.

Daily Checks (Before Each Use)

- Check tire pressure.
- Inspect for loose fasteners, worn parts, or damage.
- Ensure all safety shields are in place.
- Verify proper lubrication of all accessible grease points.

Weekly / 50-Hour Maintenance

- Lubricate all universal joints and bearings.
- Check and adjust chain tension if applicable.
- Clean debris from the machine, especially around moving parts.

Seasonal / Annual Maintenance

- Inspect and replace worn or damaged components.
- Check hydraulic fluid levels and condition.
- Clean and store the forage box in a dry location.
- Apply rust preventative to exposed metal surfaces.

Lubrication Points

Component	Lubricant Type	Frequency
PTO Shaft Universal Joints	Multi-purpose Grease	Daily / Every 8 hours
Wheel Bearings	Wheel Bearing Grease	Annually / 200 hours
Conveyor Chains	Chain Lubricant	Weekly / 50 hours

TROUBLESHOOTING GUIDE

This guide provides solutions for common operational issues encountered with the Gehl 1640 Forage Box. For complex problems, consult an authorized service technician.

Problem	Possible Cause	Solution
Forage not unloading evenly	Uneven loading; conveyor chain tension incorrect; obstruction in discharge area.	Load forage uniformly; check and adjust chain tension; clear any obstructions.
Excessive vibration	Loose fasteners; worn bearings; unbalanced load.	Tighten all fasteners; inspect and replace bearings; ensure even loading.
PTO shaft disengages	Improperly latched; worn universal joint; incorrect PTO length.	Ensure PTO is fully latched; inspect universal joints; verify PTO shaft length is correct for tractor.

SPECIFICATIONS

Key technical specifications for the Gehl Model 1640 Rear Unload Forage Box.

- **Model:** 1640 Rear Unload Forage Box
- **Capacity:** (Specific capacity would be here, e.g., 400 cu ft) -Refer to original manual for exact figures.
- **Overall Length:** (Specific length, e.g., 20 ft) -Refer to original manual for exact figures.
- **Overall Width:** (Specific width, e.g., 8 ft) -Refer to original manual for exact figures.
- **Overall Height:** (Specific height, e.g., 9 ft) -Refer to original manual for exact figures.
- **Power Requirement:** (Specific HP, e.g., 50 HP minimum) -Refer to original manual for exact figures.
- **Tire Size:** (Specific size, e.g., 11L-15) -Refer to original manual for exact figures.

Note: Exact specifications may vary slightly based on manufacturing revisions. Always consult the physical manual for precise details.

WARRANTY AND SUPPORT

For detailed warranty information, parts ordering, or technical assistance regarding your Gehl 1640 Rear Unload Forage Box, please contact your authorized Gehl dealer. They are equipped to provide expert service and genuine Gehl parts.

You can locate your nearest authorized dealer by visiting the official Gehl website or by contacting Gehl customer service directly.

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This manual is for informational purposes only and is based on the original Gehl 1640 Rear Unload Forage Box Operator's Manual, Form No. 909855.