



OWNER'S MANUAL

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66777-MAN-EN

MASTER MANUAL CAN SEALER



Table of Contents

Introduction 4

Safety Instructions 5

Components Identification 6

Getting Started..... 8

Maintenance and Care 9

 Periodic maintenance 9

 Daily maintenance 9

Adjustment and Seam Gauge 10

Troubleshooting 12

Warranty 13

Notes..... 14



Introduction

Thank you for choosing a Master can sealer from CDL Sugaring Equipment.

We are proud to offer you high-quality products designed to meet the demanding needs of the maple sugaring industry. This user manual has been created to help you get the most out of your equipment by providing clear and detailed instructions for installation, use, maintenance, and troubleshooting.

At CDL, we are committed to continuous innovation and improvement to provide you with the most effective and reliable solutions. We encourage you to read this manual carefully and keep it for future reference. If you have any questions or concerns, please do not hesitate to contact our technical support team, who will be happy to assist you.

Thank you for trusting CDL for your maple sugaring equipment needs.

Safety Instructions

Safety is a top priority when installing and using your equipment. This section provides essential information to ensure safe operation.

Please read all safety instructions carefully before beginning any operation. The following pictograms are used throughout this manual to draw your attention to specific hazards and necessary precautions. Understanding and following these instructions will help prevent accidents and ensure a safe working environment.

General Hazard



This symbol indicates a potential risk of serious injury or property damage. Please take all necessary precautions to avoid accidents.

Crushing Hazard



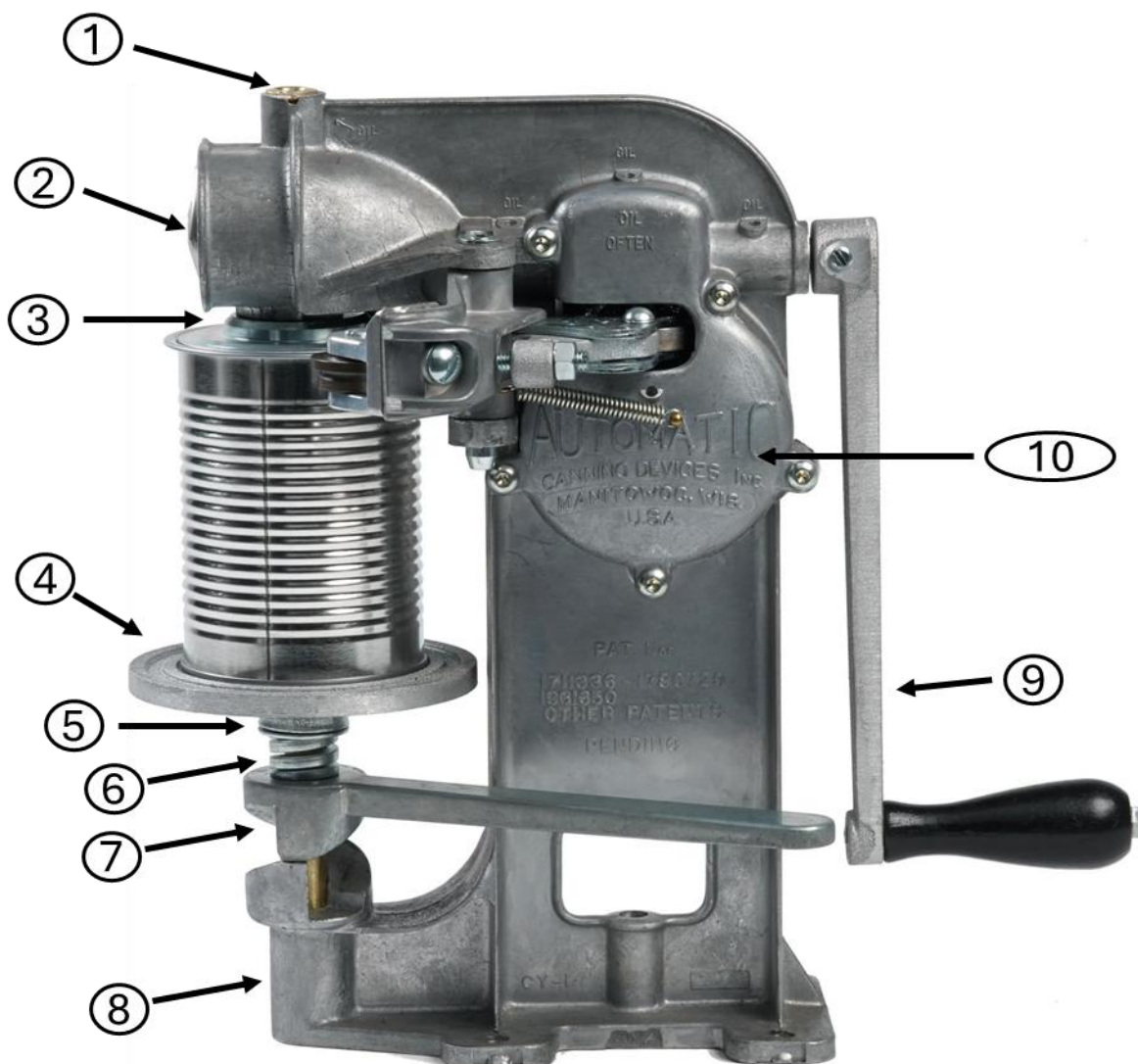
This symbol indicates a potential crushing hazard that could cause serious injury. Be cautious in areas where heavy or moving parts may shift or fall.

Burn Hazard

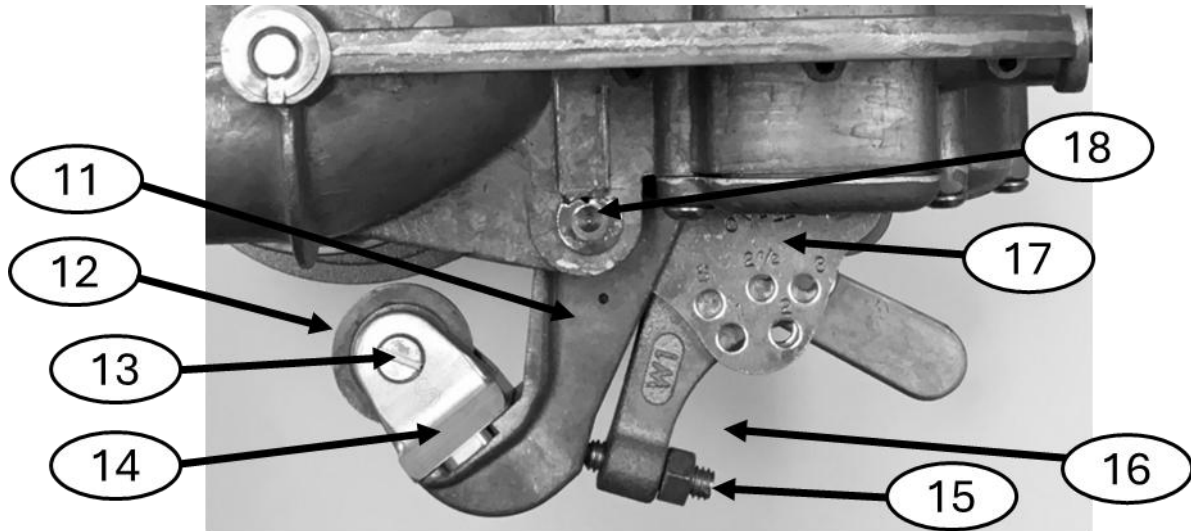


This symbol indicates a potential burn hazard that could result in serious injury. Be cautious around hot surfaces and high-temperature liquids. Use protective equipment to prevent burns.

Components Identification



#	Description
1	Chuck Holder Bushing
2	Front Gear Cover
3	Chuck
4	Base Plate
5	Base Plate Shaft
6	Compression Spring
7	Can Lifter Handle
8	Frame
9	Crank Handle
10	Worm Wheel Cover



#	Description
11	Seaming Lever
12	Operation Roller
13	Seaming Roller Pin
14	Roller Bearing Lever
15	Adjusting Screw and Lock Nut
16	Adjusting Lever
17	Cam Roller Lever
18	Seaming Lever Pin

Getting Started

1. The first thing to remember is to **never turn the crank handle without a can locked in place** between the base plate and chuck. If you turn the handle and run the rollers against the chuck, it will eventually cause damage to the rollers, and they will need to be replaced.
2. The sealer can be **firmly attached to a flat surface** using the four bolt holes cast into the sealer base. You can also use a **C-clamp** to attach the sealer to a bench top.
3. For operation, **the seaming lever rivets should be in the “S” hole of the cam roller lever**. (They are shipped in the number 3 hole.)
4. **Lower the base plate** by turning the **can lifter handle** as far left as possible.
5. **Place the lid on the filled can and set the can on the base plate.**
6. **Raise the can until it is clamped firmly between the base plate and chuck** by turning the can lifter handle as far as possible to the right until the handle locks itself against the frame. **Wipe off the outside of the can.** The can is now ready to be sealed.
7. Grip the crank handle and **rotate it in the direction that makes the first operation roller move toward the can (clockwise)**.
8. Once the first operation is done, **continue turning until the second operation roller moves in**. Stop turning when the second operation arm moves away from the can to its original position. (*22 turns total*). If you turn too far, you can rotate the handle in the opposite direction to back off the arm.
9. When done, **pull the can lifter handle toward you to lower the base plate and remove the can.**
10. **Wipe down the machine frequently** to prevent the buildup of foreign material.
11. **Remove the operation rollers by taking out the pins and wash them with dish soap and warm water after each use** to prevent them from sticking.



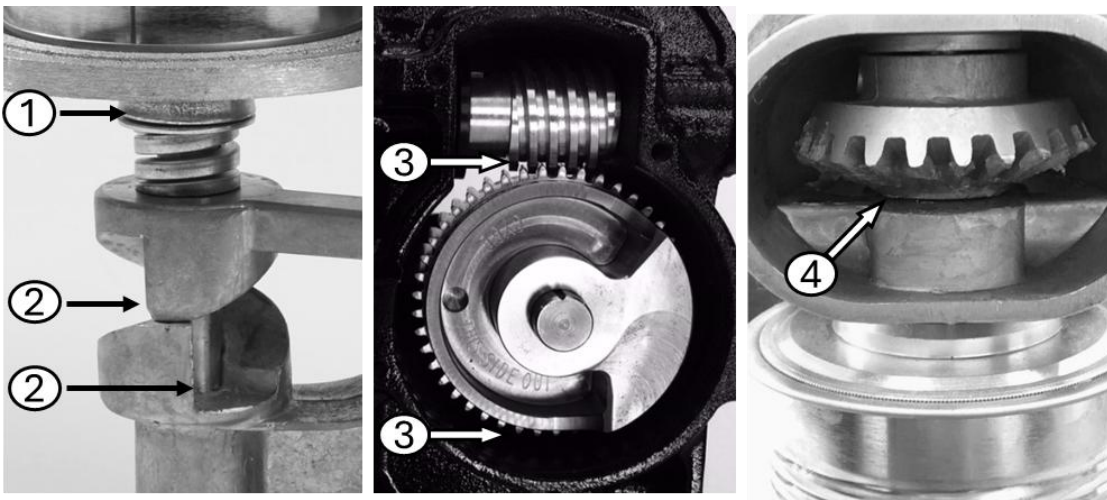
Caution:

Do not put any part of your body between the chuck and rollers. Failure to do so may result in serious injury.

Maintenance and Care

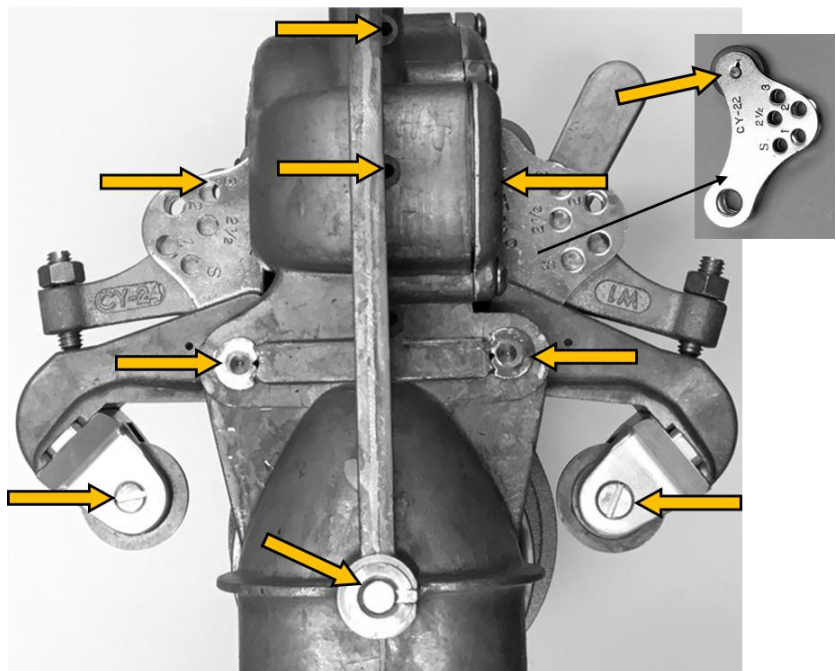
Periodic maintenance

1. **Remove the base plate** and apply food-grade lubricant to the shaft located underneath.
2. **Remove the can lifter handle;** apply food-grade oil to the brass stem and the contact point between the handle and the frame.
3. **Apply food-grade white petrolatum** to all the teeth of the cam worm wheel located behind the worm wheel cover.
4. **Apply food-grade white petrolatum** to the teeth of the bevel gear located behind the front gear cover.



Daily maintenance

Use food grade lube oil at each arrow below.



Adjustment and Seam Gauge

Check the adjustment of the seaming rolls occasionally to ensure a proper seam.

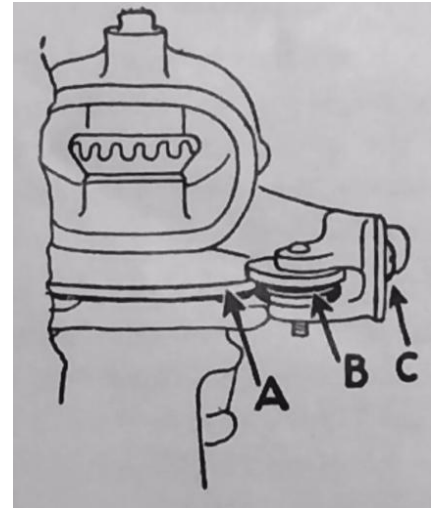
1. Check height adjustment:

When the chuck (A in the sketch) is held tightly against the ball bearing, the underside of the top flange on the seaming roll (B in the sketch) should rest snugly on top of the chuck (A).

To adjust:

- Push the cam roller lever toward the chuck until the seaming roll touches the chuck.
- Slightly loosen the screw labeled “C” in the sketch.
- Push down on the roller bearing lever (the one holding seaming roll B) until the top flange of the seaming roll rests firmly on top of the chuck.
- Tighten the screw “C” as tightly as possible.

This adjustment should be made for both the **first** and **second operation** rolls.



2. Check the seam using the seam gauge:

The seam gauge is used for checking the can seam.

Follow these steps:

- Remove the rivet from the second operation cam roller lever (the second operation is on the right side when facing the front of the machine).
- Run an empty can through the machine to perform the **first operation** seal.
- Remove the can and place the seam gauge over the seam.
 - The groove marked “1st” should slide over the seam.
 - The seam will not fill the entire groove.
 - If the groove does **not** fit over the seam, **tighten** the first operation roller by loosening the lock nut and turning the adjusting screw **no more than a quarter turn to the right**.
 - If the groove feels too loose, **loosen** the roller by turning the adjusting screw to the **left**.
 - Repeat with another can until the gauge fits correctly.

Once the first operation seam is correctly adjusted, move the rivet from the first operation lever to the second operation lever. Adjust the second operation roller using the same method, but with the can that already has a correct first operation seam. Use the groove marked “2nd” on the seam gauge for this step.

Always tighten the lock nuts after adjusting each roller.



Important:

If you need to operate the sealer without a can in place, remove the chuck to avoid damaging it and the seaming rolls.

Troubleshooting

This troubleshooting section is designed to help you quickly identify and resolve any issues you may encounter with your equipment. If problems persist, your representative or our customer service team is available to provide further assistance.

Problems and Solutions

- **Can isn't spinning properly:**
Increase the can lifter handle tension by adding a thin washer to the base plate shaft. Start with a 1/32" washer and test with a can. Add more washers if necessary.
- **Operation rollers aren't spinning properly:**
If the rollers are not cleaned regularly, residue from certain liquids can accumulate and cause them to seize. Remove the roller bearing lever and soak the assembly in warm soapy water for 10 minutes to loosen the buildup. Rinse thoroughly and dry. Reinstall the lever, adjust, and lubricate with food-grade oil.
- **Can lid is sticking to the chuck after sealing:**
The rollers are set too high, causing the metal to fold over the chuck. Refer to "Adjustment and Seam Gauge" section for proper adjustment instructions.
- **Can seal is leaking:**
The roller arms are too loose. Check the seam using the seam gauge following the instructions in "Adjustment and Seam Gauge" section.

Warranty

This CDL product comes with a one-year limited warranty (one sugaring season) against all manufacturing defects from the factory. Damage caused by freezing, wear, abuse, poor maintenance, or abnormal use is not covered.

The warranty covers only the product itself, and not yield losses, production losses, or any other damages it may cause. This warranty does not cover products whose installation and use do not comply with the instructions in the user manual.

Transportation Fees

All transportation costs related to the replacement or repair of products shipped to the CDL factory must be prepaid by the customer.

For technical assistance or support, contact your CDL representative, your local CDL store, or the CDL technical support team.

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Notes

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