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› [Liftmaster/Chamberlain/Craftsman 41A4885-2 DC Belt Drive Gear and Sprocket Kit Instruction Manual](#)

## CHAMBERLAIN 41A4885-2

# Liftmaster/Chamberlain/Craftsman 41A4885-2 DC Belt Drive Gear and Sprocket Kit Instruction Manual

## 1. INTRODUCTION

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This instruction manual provides detailed guidance for the installation, operation, and maintenance of the Liftmaster/Chamberlain/Craftsman 41A4885-2 DC Belt Drive Gear and Sprocket Kit. This kit is a genuine replacement part designed to restore functionality to compatible garage door openers. Please read this manual thoroughly before beginning any installation or maintenance procedures.



Image 1: Components of the 41A4885-2 DC Belt Drive Gear and Sprocket Kit, including gears, shaft, and hardware.

## 2. COMPATIBILITY

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The 41A4885-2 Gear and Sprocket Kit is compatible with various LiftMaster, Chamberlain, and Craftsman DC belt drive garage door openers. It is specifically designed for units manufactured between 1984 and 2001, and also compatible with models made after 1993. Always verify the part number and compatibility with your specific garage door opener model before installation.

## 3. SAFETY INFORMATION

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- **WARNING:** Disconnect power to the garage door opener before performing any repairs or maintenance to prevent electric shock or injury.
- Always wear appropriate safety gear, including gloves and eye protection.
- Keep hands and clothing clear of moving parts.

- Ensure the garage door is in a stable position or properly supported before working on the opener mechanism.
- If you are unsure about any step, consult a qualified technician.

## 4. PACKAGE CONTENTS

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The 41A4885-2 Gear and Sprocket Kit typically includes the following components:

- Helical gear and top hat assembly
- Worm gear
- Wear bushings
- Grease (lithium grease recommended)
- Drive shaft with belt pulley
- Spring washer
- Thrust washer
- Retaining ring
- Bearing plate
- Roll pins (2)
- Installation instructions

## 5. TOOLS REQUIRED

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Before starting the installation, ensure you have the following tools:

- Screwdrivers (Phillips and Flathead)
- Wrenches (5/16 inch, 1/4 inch, possibly ratcheting wrench)
- Punch tool (for roll pins, if applicable)
- Needle-nose pliers (for M-clips/retaining rings)
- Compressed air or vacuum cleaner (for debris removal)
- Paint marker (optional, for marking belt position)
- Ladder

## 6. INSTALLATION INSTRUCTIONS

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Follow these steps carefully to replace the gear and sprocket kit:

1. **Disconnect Power:** Unplug the garage door opener from the electrical outlet. This is a critical safety step.
2. **Remove Opener Cover:** Locate and remove the screws holding the outer cover of the garage door opener. Typically, there are screws on the top and sides. Carefully remove the cover and set it aside.
3. **Relieve Belt Tension:** Loosen the belt tensioner spring/bolt located at the opposite end of the rail from the opener head. This will allow the belt to be removed from the pulley.
4. **Remove Drive Belt:** Carefully remove the drive belt from the pulley at the top of the opener unit. You may wish to use a paint marker to mark the belt's position relative to the railing for easier re-alignment later.
5. **Access Gear Assembly:** Remove the screws (usually three) that secure the main gear drive assembly in place. These are often located underneath the top of the opener unit.

6. **Remove Small Gear and Clip:** At the bottom of the shaft, locate the small gear and the retaining clip (e.g., M-clip or C-clip). Carefully remove the clip and then slide off the small gear.
7. **Remove Old Gear Assembly:** Once the small gear and clip are removed, you can pull the entire stripped or worn gear assembly out from the top of the unit.
8. **Clean Debris:** Use compressed air or a vacuum cleaner to thoroughly remove all shredded plastic, dust, and debris from inside the opener unit. This prevents contamination of the new gears.
9. **Prepare New Gear Assembly:** Before installing the new assembly, it is recommended to 'chase' the three screw holes in the new driver gear assembly. Insert a screw into each hole and turn it to create threads, then remove the screws. This makes reassembly easier, especially when working on a ladder.
10. **Install New Gear Assembly:** Drop the new gear assembly into place from the top of the unit. Ensure it seats correctly.
11. **Install Small Gear and Clip:** Place the new small lower gear onto the shaft at the bottom. It can only go on one way to mesh correctly with the door limiter gear. Secure it with the new retaining clip.
12. **Secure Gear Assembly:** Re-attach the three screws to secure the new gear assembly in place.
13. **Lubricate Gears:** Apply the provided lithium grease generously to all gears in the assembly. This is crucial for smooth operation and longevity.
14. **Re-attach Drive Belt:** Re-attach the drive belt to the gear at the top of the unit. If you marked the belt, align it as before. Re-tension the belt by tightening the tensioner spring/bolt until the spring is compressed to approximately 1.25 inches.
15. **Test Operation:** Before replacing the cover, plug in the opener and test the door's operation. Adjust the up and down travel limits and force settings as necessary. Refer to your garage door opener's main manual for specific adjustment procedures.
16. **Replace Cover:** Once the door operates correctly, clean any remaining plastic dust from the inside of the opener cover and re-attach it with the screws.

## 7. OPERATING ADJUSTMENTS

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After installing the gear and sprocket kit, it is essential to perform the following adjustments:

- **Travel Limits:** Adjust the up and down travel limits to ensure the door opens fully without hitting the rail stop and closes completely without excessive force.
- **Force Settings:** Adjust the force settings to ensure the door reverses if it encounters an obstruction during closing, and stops if it encounters an obstruction during opening. Refer to your garage door opener's primary instruction manual for detailed steps on setting travel limits and force.
- **Belt Tension:** Ensure the drive belt tension is correct. The tensioner spring should be compressed to about 1.25 inches. An improperly tensioned belt can lead to premature wear or operational issues.

## 8. MAINTENANCE

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Regular maintenance helps prolong the life of your garage door opener and its components:

- **Lubrication:** Periodically inspect the gears and reapply lithium grease as needed, typically once a year or if you notice increased noise during operation.
- **Cleaning:** Keep the inside of the opener unit free from dust and debris. Use compressed air to clear any build-up around the gears and motor.
- **Inspection:** Regularly inspect the drive belt for signs of wear, fraying, or cracking. Check all moving parts for proper

alignment and secure fastening.

## 9. TROUBLESHOOTING

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If you encounter issues after installing the gear and sprocket kit, consider the following:

Problem	Possible Cause	Solution
Door does not open/close fully	Incorrect travel limit settings.	Adjust the up and down travel limits according to your opener's manual.
Door reverses unexpectedly or struggles to move	Incorrect force settings or obstruction.	Adjust force settings. Check for physical obstructions in the door's path or binding in the tracks.
Grinding noise from opener	Insufficient lubrication on gears; gears not meshing correctly.	Apply more lithium grease. Recheck gear installation for proper alignment.
Motor overheats during adjustments	Frequent operation in a short period.	Allow the motor to cool down. Direct a fan towards the motor if covers are off to aid cooling.
Belt slips or is loose	Improper belt tension.	Re-tension the drive belt to the recommended 1.25-inch spring compression.

## 10. SPECIFICATIONS

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- **Model Number:** 41A4885-2
- **Part Number:** 41A4885-2
- **Brand:** CHAMBERLAIN (also compatible with Liftmaster/Craftsman)
- **Manufacturer:** Sentex/Chamberlain/Liftmaster
- **Product Dimensions:** 10 x 5 x 5 inches
- **Item Weight:** 1.1 pounds
- **Material:** Metal
- **UPC:** 012381004126, 640213239103, 753182403205

## 11. WARRANTY INFORMATION

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For specific warranty details regarding the 41A4885-2 DC Belt Drive Gear and Sprocket Kit, please refer to the documentation included with your purchase or visit the official Chamberlain, LiftMaster, or Craftsman website. Warranty terms may vary based on the point of purchase and region.

## 12. CUSTOMER SUPPORT

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If you require further assistance or have questions not covered in this manual, please contact the manufacturer's customer support. You can typically find contact information on the official Chamberlain, LiftMaster, or Craftsman websites, or through the retailer where the product was purchased.

### Online Resources:

- [Chamberlain Official Website](#)

- [LiftMaster Official Website](#)
- [Craftsman Official Website](#)

