

RYOBI 080016005704

RYOBI Lower Blade Guard Assembly 080016005704 User Manual

For Ryobi Miter Saw Models TSS102L and TS1345L

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the RYOBI Lower Blade Guard Assembly, part number 080016005704. This assembly is designed as a direct replacement part for Ryobi Miter Saw Models TSS102L and TS1345L. Proper installation and maintenance ensure safe and effective use of your miter saw.

2. SAFETY INFORMATION

Always prioritize safety when working with power tools. Read and understand the original miter saw's instruction manual before attempting any repairs or part replacements. Failure to follow safety instructions can result in serious injury.

- **Disconnect Power:** Always unplug the miter saw from the power source before installing, removing, or performing any maintenance on the blade guard.
- **Wear Personal Protective Equipment (PPE):** Use safety glasses, hearing protection, and gloves when handling saw blades and performing installation.
- **Inspect for Damage:** Before each use, inspect the blade guard for any cracks, bends, or other damage. A damaged guard must be replaced immediately.
- **Ensure Proper Function:** After installation, verify that the lower blade guard moves freely and fully covers the blade when the saw is in the upright position.
- **Use Correct Parts:** Only use genuine RYOBI replacement parts or approved equivalents for your specific miter saw model.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package.

- 1 x RYOBI Lower Blade Guard Assembly (Part No. 080016005704)



Image 1: The RYOBI Lower Blade Guard Assembly, part number 080016005704, showing its black, grey, and clear components.

4. SETUP AND INSTALLATION

This section outlines the steps for replacing the lower blade guard assembly on your Ryobi miter saw. Refer to your miter saw's original manual for specific disassembly instructions if needed.

1. **Power Disconnection:** Ensure the miter saw is unplugged from the power outlet.
2. **Access the Guard Area:** Depending on your specific miter saw model (TSS102L or TS1345L), you may need to remove the blade or other components to gain access to the existing lower blade guard. Consult your saw's manual for detailed steps.
3. **Remove Old Guard:** Carefully unfasten any screws, pins, or clips securing the old lower blade guard assembly. Note the orientation and attachment points for reassembly.
4. **Install New Guard:** Position the new RYOBI Lower Blade Guard Assembly (080016005704) into place. Ensure all mounting points align correctly.
5. **Secure New Guard:** Fasten the new guard using the original screws, pins, or clips. Ensure all connections are tight and secure. Do not overtighten.
6. **Test Movement:** Manually operate the guard to ensure it moves smoothly and freely without obstruction. It should retract fully when the saw head is lowered and return to cover the blade when the saw head is raised.
7. **Reassemble Saw:** Reinstall any components that were removed to access the guard, such as the saw blade or blade cover.
8. **Final Check:** Before plugging in the saw, perform a final visual inspection to ensure all parts are correctly installed and secured.

Note: Online video tutorials may be available for visual guidance on installing this specific part. Search for "Ryobi 080016005704 installation" or "Ryobi TSS102L/TS1345L lower guard replacement" on video platforms.

5. OPERATING INSTRUCTIONS

Once the new lower blade guard assembly is correctly installed, the operation of your miter saw remains unchanged. The guard is an integral safety feature that automatically retracts as the blade enters the workpiece and covers the blade when the saw is lifted. Always ensure the guard is functioning correctly before each use.

- **Pre-Operation Check:** Before each use, verify that the lower blade guard moves freely and fully covers the blade when the saw is in the resting position.
- **Maintain Clear Path:** Ensure no debris or obstructions hinder the guard's movement during operation.
- **Never Bypass:** Do not attempt to tie back, remove, or otherwise disable the lower blade guard. It is a critical safety device.

6. MAINTENANCE

Regular maintenance of the lower blade guard ensures its longevity and proper safety function.

- **Cleaning:** Periodically clean the blade guard to remove sawdust, debris, and resin buildup. Use a soft brush or compressed air. Avoid harsh chemicals that could damage the plastic components.
- **Lubrication:** The pivot points of the guard should remain free-moving. If movement becomes stiff, apply a small amount of dry lubricant (e.g., silicone spray) to the pivot points, ensuring it does not interfere with the blade or motor.
- **Inspection:** Regularly inspect the guard for signs of wear, cracks, or damage. Pay close attention to the clear plastic shield for visibility issues. Replace the assembly if any damage is found.

7. TROUBLESHOOTING

If you encounter issues with your lower blade guard, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Guard does not retract smoothly.	Sawdust or debris buildup; stiff pivot points; damaged spring.	Clean the guard and pivot points. Apply dry lubricant. If the spring is damaged, the entire assembly may need replacement.
Guard does not fully cover the blade.	Improper installation; damaged spring; obstruction.	Recheck installation. Clear any obstructions. If the spring is faulty, replace the assembly.
Guard is cracked or broken.	Impact damage; material fatigue.	Replace the entire lower blade guard assembly immediately. Do not use a damaged guard.

8. SPECIFICATIONS

Feature	Detail
Part Number	080016005704
Compatible Models	Ryobi Miter Saw Models TSS102L, TS1345L

Feature	Detail
Brand	RYOBI
Color	Black, Grey, Clear
Material	Plastic, Metal
Item Weight	1.15 pounds (approx. 0.52 kg)
Package Dimensions	15.43 x 8.54 x 2.6 inches
UPC	724752916524

9. WARRANTY AND SUPPORT

Specific warranty information for this replacement part may vary. Please refer to the original purchase documentation or contact the retailer or RYOBI customer support for details regarding warranty coverage.

For technical support or further assistance with installation and troubleshooting, please contact RYOBI customer service or visit their official website. Always provide the part number (080016005704) and your miter saw model (TSS102L or TS1345L) when seeking support.

