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## UpStart Components SM-541678-DL18

# UpStart Components Bobbin Case Replacement User Manual

For Riccar 3600 Sewing Machine (Compatible with Singer #541678)

## 1. INTRODUCTION

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This manual provides instructions for the proper installation, operation, and maintenance of your UpStart Components Replacement Bobbin Case. This component is designed to be compatible with the Riccar 3600 Sewing Machine and is equivalent to Singer part #541678. Please read these instructions thoroughly before use to ensure correct installation and optimal performance.



**Figure 1.1:** Front view of the UpStart Components Replacement Bobbin Case. This image shows the overall design and metallic finish of the bobbin case.

## 2. SAFETY INFORMATION

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- Always disconnect your sewing machine from the power supply before installing, removing, or performing maintenance on any parts.
- Keep small parts away from children.
- Handle the bobbin case carefully to avoid bending or damaging its delicate components.
- If you are unsure about any step, consult a qualified sewing machine technician.

## 3. PACKAGE CONTENTS

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Verify that your package contains the following item:

- 1 x UpStart Components Replacement Bobbin Case (Model SM-541678-DL18)

## 4. INSTALLATION

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Follow these steps to replace the bobbin case in your Riccar 3600 sewing machine:

1. **Disconnect Power:** Ensure your sewing machine is unplugged from the electrical outlet.
2. **Open Bobbin Compartment:** Locate and open the bobbin compartment cover on your sewing machine. This is typically found beneath the needle plate.
3. **Remove Old Bobbin Case:** Carefully remove the existing bobbin case. If a bobbin is inside, remove it first. Note the orientation of the old bobbin case as you remove it.
4. **Insert New Bobbin Case:** Take the new UpStart Components Bobbin Case. Hold it by the latch and insert it into the bobbin compartment, ensuring it is seated correctly. The small finger or extension on the bobbin case should align with the notch in the bobbin housing.



**Figure 4.1:** Top view of the bobbin case, showing the latch mechanism. This view is helpful for understanding how to hold and insert the case.

5. **Secure in Place:** Gently push the bobbin case until it clicks or sits firmly in its position. It should not wobble.
6. **Close Compartment:** Close the bobbin compartment cover.

## 5. OPERATION

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After installation, the bobbin case is ready for use. Follow your sewing machine's specific instructions for

threading and bobbin winding.

## 5.1. Loading the Bobbin

1. **Wind Bobbin:** Wind a bobbin with your desired thread according to your sewing machine's instructions.
2. **Insert Bobbin:** Hold the bobbin case with the latch open. Insert the wound bobbin into the bobbin case. Ensure the thread unwinds in the correct direction (usually counter-clockwise when viewed from the top, but refer to your machine's manual).



**Figure 5.1:** Side view of the bobbin case, highlighting the tension spring. This view helps in understanding the thread path.

3. **Thread Through Tension Spring:** Guide the bobbin thread through the slot under the tension spring on the side of the bobbin case. Pull the thread gently to ensure it moves smoothly and has appropriate tension.
4. **Close Latch:** Close the latch on the bobbin case.
5. **Reinsert into Machine:** Reinsert the loaded bobbin case into the bobbin compartment of your sewing machine, following the steps outlined in Section 4.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and proper function of your bobbin case.

- **Cleaning:** Periodically remove the bobbin case and use a small brush or lint remover to clean out any lint, dust, or thread fragments that may accumulate inside or around it. Accumulation can affect thread tension and stitch quality.
- **Inspection:** Regularly inspect the bobbin case for any signs of wear, damage, or bent parts, especially the tension spring. A damaged bobbin case can lead to skipped stitches or thread breakage.
- **Lubrication:** The bobbin case itself typically does not require lubrication. Refer to your sewing machine's manual for lubrication points within the bobbin compartment area.



**Figure 6.1:** Internal view of the bobbin case. This image shows the inner workings and areas where lint might accumulate, requiring cleaning.

## 7. TROUBLESHOOTING

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If you encounter issues related to the bobbin case, refer to the table below:

Problem	Possible Cause	Solution
Skipped stitches	Incorrect bobbin insertion, bent bobbin case, lint buildup.	Reinsert bobbin correctly. Inspect bobbin case for damage; replace if necessary. Clean bobbin area.
Thread breakage (bottom thread)	Incorrect bobbin tension, burrs on bobbin case, damaged bobbin.	Adjust bobbin tension screw slightly. Inspect bobbin case for rough edges. Use a new, undamaged bobbin.
Uneven stitches	Incorrect bobbin tension, lint under tension spring.	Clean under the tension spring. Adjust bobbin tension.
Bobbin case rattling	Improperly seated bobbin case, loose parts.	Ensure bobbin case is fully seated and latched. Inspect for any loose components.

## 8. SPECIFICATIONS

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Feature	Detail
Product Type	Replacement Bobbin Case
Brand	UpStart Components
Model Number	SM-541678-DL18
Compatibility	Riccar 3600 Sewing Machine, Singer #541678
Material	Metal Alloy

## 9. WARRANTY AND SUPPORT

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This UpStart Components product is covered by a warranty provided solely by UpStart Battery. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact UpStart Battery directly.

For technical support or inquiries regarding this product, please contact the seller or UpStart Components customer service.