

BC-310(A)

Instruction Manual for BC-310(A) Bobbin Case

Brand: Generic

1. INTRODUCTION

Thank you for choosing the BC-310(A) Bobbin Case. This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your new bobbin case. Please read this manual thoroughly before use to ensure optimal performance and longevity of the product. This bobbin case is designed for use with specific Brother Electronic Pattern Sewing Machines.

2. PRODUCT OVERVIEW

The BC-310(A) Bobbin Case is a precision-engineered component crucial for the proper functioning of compatible Brother electronic pattern sewing machines. It is designed to hold the bobbin securely and ensure consistent thread tension for various sewing applications.



Figure 2.1: Front view of the BC-310(A) Bobbin Case, showcasing its metallic finish and latch mechanism.



Figure 2.2: Angled view of the BC-310(A) Bobbin Case, highlighting its robust construction and precise design.

2.1 Compatibility

This bobbin case is specifically designed for Brother BAS-304, 311G, 326G, 341, and 342G Electronic Pattern Sewing Machines. Ensure your machine model is listed for proper fit and function.

3. SETUP AND INSTALLATION

Proper installation of the bobbin case is critical for smooth sewing operation. Always ensure your sewing machine is turned off and unplugged before attempting any installation or maintenance.

1. **Power Off:** Turn off and unplug your Brother sewing machine from the power outlet.
2. **Access Bobbin Area:** Open the bobbin cover or access panel on your sewing machine, typically located beneath the needle plate.
3. **Remove Old Bobbin Case (if applicable):** If replacing an existing bobbin case, carefully remove it. Note its orientation for reference.
4. **Insert New Bobbin Case:** Hold the BC-310(A) bobbin case by its latch. Align it correctly with the bobbin housing in your machine. It should slide in smoothly and click into place. Do not force it.
5. **Verify Seating:** Gently tug on the bobbin case to ensure it is securely seated and does not wobble.
6. **Close Access Panel:** Close the bobbin cover or access panel.

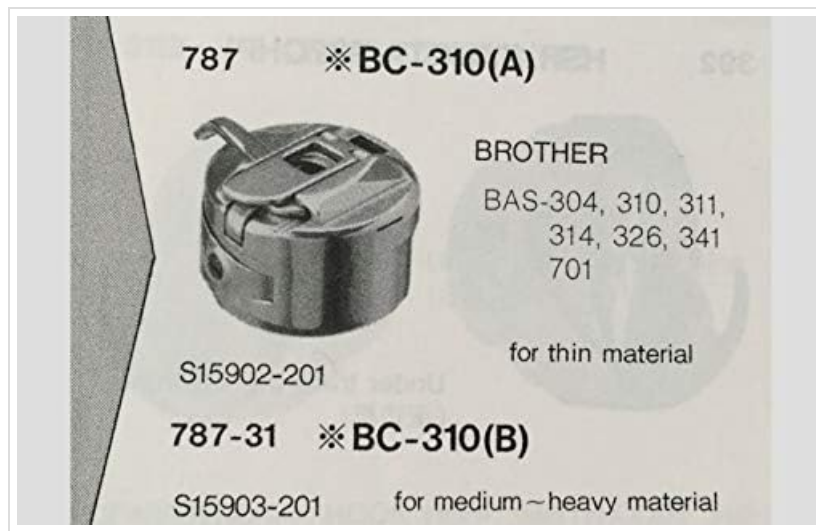


Figure 3.1: Reference image indicating the BC-310(A) model and its compatibility with various Brother sewing machine models (BAS-304, 311, 314, 326, 341, 701).



Figure 3.2: Bottom view of the BC-310(A) Bobbin Case, illustrating the internal spindle and thread path components.

4. OPERATION

Once the bobbin case is installed, follow these steps to prepare it for sewing:

1. **Wind Bobbin:** Wind your bobbin with the desired thread according to your sewing machine's instructions. Ensure the bobbin is wound evenly and not overfilled.
2. **Insert Bobbin into Case:** Hold the bobbin case with one hand. Place the wound bobbin into the bobbin case. The thread should unwind in the correct direction (usually counter-clockwise when viewed from the top, but refer to your machine's manual).
3. **Thread Bobbin Case:** Guide the bobbin thread through the tension spring slot on the side of the bobbin case. Pull the thread firmly

until it slips under the tension spring and emerges from the small opening.

- 4. **Check Tension:** Gently pull on the thread. There should be a slight, consistent resistance. If the thread pulls too easily or is too tight, the tension may need adjustment (though typically the bobbin case tension is factory set).
- 5. **Reinstall Bobbin Case:** If you removed the bobbin case to insert the bobbin, reinstall it into the machine as described in Section 3.
- 6. **Bring Up Bobbin Thread:** With the needle threaded, hold the needle thread lightly and turn the handwheel towards you to lower the needle into the needle plate and then bring it back up. This action should catch the bobbin thread, forming a loop. Pull both threads to the back of the machine before starting to sew.

5. MAINTENANCE

Regular maintenance of your bobbin case will ensure smooth operation and extend its lifespan.

- **Cleaning:** Periodically remove the bobbin case from the machine. Use a small brush or lint roller to remove any lint, dust, or thread scraps that may accumulate around the tension spring or inside the case. Accumulated debris can affect thread tension and cause stitching problems.
- **Inspection:** Visually inspect the bobbin case for any signs of damage, such as nicks, burrs, or bends, especially on the edges where the thread passes. Even minor damage can snag thread and lead to poor stitch quality. If damage is found, replacement may be necessary.
- **Lubrication:** Consult your sewing machine's manual regarding lubrication of the bobbin area. Some machines require a drop of sewing machine oil in specific points around the bobbin housing. Do not apply oil directly to the bobbin case unless specifically instructed, as it can attract lint.
- **Storage:** When not in use for extended periods, store the bobbin case in a clean, dry place to prevent dust accumulation and corrosion.

6. TROUBLESHOOTING

If you encounter issues with your sewing, the bobbin case can often be a source of common problems. Here are some troubleshooting tips:

Problem	Possible Cause	Solution
Thread tangling/nesting on underside	Incorrect bobbin insertion, improper threading of bobbin case, lint in tension spring.	Re-insert bobbin correctly, re-thread bobbin case, clean tension spring.
Skipped stitches	Damaged bobbin case, incorrect needle, machine timing issue.	Inspect bobbin case for damage, replace needle, consult machine service manual for timing.
Uneven stitch tension	Lint under tension spring, bent bobbin case, incorrect bobbin winding.	Clean tension spring, inspect bobbin case for damage, ensure bobbin is wound evenly.
Loud noise from bobbin area	Improperly seated bobbin case, lack of lubrication (machine specific).	Ensure bobbin case is fully seated, refer to machine manual for lubrication points.

7. SPECIFICATIONS

- **Model Number:** BC-310(A)
- **Product Dimensions:** 1.18 x 1.18 x 1.18 inches
- **Item Weight:** 7 ounces
- **Manufacturer:** HIROSE
- **Country of Origin:** Japan

- **Date First Available:** June 2, 2023

8. WARRANTY AND SUPPORT

This BC-310(A) Bobbin Case is manufactured to high-quality standards. For specific warranty information, please refer to the terms provided by your retailer or contact the seller directly. If you experience any issues not covered in the troubleshooting section or require further assistance, please reach out to the point of purchase or the manufacturer's customer support.