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› [CKPSMS Needle Bar and Thread Guide Instruction Manual](#)

CKPSMS 110-91303 (Compatible with JUKI DDL-8500, DDL-1388N, DDL-5530N, DDL-5550N, DDL-5550N-7, DDL-5570N, DDL-5571, DDL-8388, D)

CKPSMS Needle Bar and Thread Guide Instruction Manual

Model: #110-91303

1. PRODUCT OVERVIEW

This manual provides essential information for the installation, maintenance, and safe use of the CKPSMS #110-91303 Needle Bar and Thread Guide. This product is a high-quality replacement part designed for specific JUKI industrial sewing machines.



Figure 1: Two CKPSMS #110-91303 Needle Bars and Thread Guides.

The package includes two brand new high-quality needle bars and thread guides, part number 110-91303. Alternative part numbers include 400-00221, and 229-06002.

2. COMPATIBILITY

This Needle Bar and Thread Guide is compatible with the following JUKI brand industrial sewing machine models:

- DDL-8500
- DDL-1388N
- DDL-5530N
- DDL-5550N
- DDL-5550N-7
- DDL-5570N
- DDL-5571
- DDL-8388
- DDL-8500-7
- DDL8300
- DDL9000
- DLN-9010

Important: Please verify the size and specifications of the product to ensure compatibility with your specific machine model before installation.



Figure 2: Key dimensions of the needle bar.

3. INSTALLATION

The Needle Bar and Thread Guide are critical components of a sewing machine's needle assembly. Proper installation is essential for correct machine operation and stitch formation. While specific steps may vary slightly by machine model, the general procedure involves replacing the existing needle bar assembly.

1. **Safety First:** Always ensure your sewing machine is turned off and unplugged from the power source before attempting any installation or maintenance.
2. **Access the Needle Bar Area:** Refer to your sewing machine's specific service manual for instructions on how to access the needle bar assembly. This may involve removing covers or panels.
3. **Remove Old Component:** Carefully loosen any screws or fasteners holding the old needle bar and thread guide in place. Gently remove the old assembly. Note its orientation for correct installation of the new part.
4. **Install New Component:** Position the new CKPSMS #110-91303 Needle Bar and Thread Guide into the

machine, ensuring it is correctly aligned. The thread guide should be positioned to allow smooth thread passage to the needle.

5. **Secure the Part:** Tighten all screws and fasteners securely, but do not overtighten, as this can damage the component or machine.
6. **Test Operation:** Once installed, manually turn the machine's handwheel a few times to ensure the needle bar moves freely and without obstruction. Reattach any covers or panels.
7. **Thread and Test Stitch:** Thread the machine and perform a test stitch on scrap fabric to confirm proper function and stitch quality. Adjust tension if necessary.



Figure 3: Illustration of a needle bar installed in a sewing machine, highlighting the thread guide.

4. MAINTENANCE

To ensure the longevity and optimal performance of your needle bar and thread guide, regular maintenance is recommended:

- **Cleaning:** Periodically clean the needle bar and thread guide to remove lint, dust, and thread residue. Use a soft brush or compressed air.
- **Lubrication:** Apply a small amount of high-quality sewing machine oil to moving parts as recommended by your sewing machine's manufacturer. Avoid over-lubrication.

- **Inspection:** Regularly inspect the needle bar for any signs of bending, wear, or damage. Check the thread guide for burrs or rough spots that could snag the thread. Replace the part if any damage is observed.

5. TROUBLESHOOTING

If you experience issues after installing the new needle bar and thread guide, consider the following:

- **Skipped Stitches:** Ensure the needle is inserted correctly and fully seated. Verify the needle bar is at the correct height (refer to your machine's service manual). Check for proper threading.
- **Thread Breakage:** Inspect the thread guide for any rough edges. Ensure the thread path is clear and smooth. Verify correct thread tension.
- **Unusual Noise:** Recheck all connections and ensure the needle bar moves freely. Lubricate as necessary.

For persistent issues, consult a qualified sewing machine technician or refer to your machine's comprehensive service manual.

6. SPECIFICATIONS

Feature	Detail
Part Number	#110-91303
Alternative Part Numbers	400-00221, 229-06002
Quantity	2 Pieces
Material	High Quality Metal (implied from image/description)
Compatibility	JUKI DDL-8500, DDL-1388N, DDL-5530N, DDL-5550N, DDL-5550N-7, DDL-5570N, DDL-5571, DDL-8388, DDL-8500-7, DDL8300, DDL9000, DLN-9010

7. SAFETY INFORMATION

When working with sewing machine parts, always prioritize safety. The following general guidelines are provided by CKPSMS for various sewing machine components:

Product safety photos and guideline

For CKPSMS brand sewing machine parts and accessories



Needle Plate:
Always use the correct needle plate for your sewing machine model. Do not use a damaged or bent needle plate. When changing the needle plate, make sure the sewing machine is turned off and unplugged.



Bobbin Case:
Always use the correct bobbin case for your sewing machine model. Do not use a damaged or bent bobbin case. When changing the bobbin case, make sure the sewing machine is turned off and unplugged.



Presser Foot:
Always use the correct presser foot for your sewing machine model. Do not use a damaged or bent presser foot. When changing the presser foot, make sure the sewing machine is turned off and unplugged.



Fabric cleaner:

- Do not spray towards the body, face, or hands of a person.
- Keep out of reach of children.
- Do not use upside down.
- Do not connect to a power source with a voltage that does not match the product.
- Do not modify the power cord or auxiliary tools of this product by yourself.



Foot pedal, auto bobbin winder and any other products which are required to connect to the power:

- Do not use the product when your hands are wet.
- If the power cord is damaged, stop using the product immediately and replace it with a new one.
- Always disconnect the power supply before repairing the product.
- Do not connect the product to a power source with a voltage that does not match.



Looper, thread cutter, blades and any other products which are sharp or incisive:

- Take sufficient safety precautions to prevent injury to your fingers.
- Before disassembling or assembling, understand the correct method and make sure to install it in the designated position.
- Keep it in a place where children cannot touch it.
- Store it in a sturdy packaging box and take measures to prevent rust and corrosion.

Figure 4: General product safety guidelines from CKPSMS.

- Always ensure the sewing machine is **turned off and unplugged** before changing any parts, including needle plates, bobbin cases, or presser feet.
- Use only the **correct needle plate** for your sewing machine model. Do not use a damaged or bent needle plate.
- Use only the **correct bobbin case** for your sewing machine model. Do not use a damaged or bent bobbin case.

- Use only the **correct presser foot** for your sewing machine model. Do not use a damaged or bent presser foot.
- When using fabric cleaner, do not spray towards the body or face. Keep out of reach of children. Do not use upside down. Do not connect to a power source with a voltage that does not match the product. Do not modify the power cord or auxiliary tools yourself.
- For looper, thread cutter, blades, and other sharp products, take sufficient safety precautions to prevent injury to your fingers.
- Before disassembling or assembling, understand the correct method and make sure to install it in the designated position.
- Keep products in a sturdy packaging box and take measures to prevent rust and corrosion.

8. GENERAL INFORMATION

CKPSMS provides a wide range of sewing machine parts and accessories. The following video offers a general overview of the brand's offerings and commitment to quality.

Your browser does not support the video tag.

Video: CKPSMS - Your Sewing Machine Online Clinic. This video provides a general introduction to the range of sewing machine parts and accessories offered by CKPSMS.

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the seller's policies on the platform where the product was purchased. You may also visit the official CKPSMS store for additional resources and contact information.

[Visit the CKPSMS Store on Amazon](#)

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This manual is for informational purposes only. Always follow safety precautions and consult a professional if unsure.