Manuals+
Q & A | Deep Search | Upload

JUKI DU-1181N

JUKI DU-1181N Industrial Top and Bottom Feed Sewing Machine User Manual

1. Introduction

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your JUKI DU-1181N Industrial Top and Bottom Feed Sewing Machine. The JUKI DU-1181N is a single-needle, straight stitch industrial sewing machine designed for medium-weight fabrics, utilizing both top and bottom feed mechanisms to facilitate smooth material handling. Please read this manual thoroughly before operating the machine.

2. Setup and Assembly

The JUKI DU-1181N is shipped as a complete unit, which includes the machine head, table, stand, motor, sewing light, and drawer. Assembly of the table and stand is required upon delivery.

2.1 Unpacking

- Carefully unpack all components from their packaging.
- Verify that all parts listed in the packing list are present.
- Inspect all components for any signs of damage incurred during shipping. Report any damage immediately to your supplier.

2.2 Assembly

Assembly of the machine stand and table is a multi-step process. Refer to the separate assembly guide or instructional videos provided by your supplier for detailed instructions. Key steps include:

- Assembling the machine stand.
- Mounting the table to the stand.
- Installing the motor and connecting the drive belt.
- Mounting the machine head onto the table.
- Connecting the sewing light and other accessories.

Figure 1: The JUKI DU-1181N industrial sewing machine head. This image shows the main machine head of the JUKI DU-1181N industrial sewing machine. It features a white body with the JUKI logo in blue. Visible components include the needle bar, presser foot, thread guides, and the handwheel on the right side.

3. Operating Instructions

3.1 Basic Operation

- **Power On/Off:** Use the main power switch to turn the machine on or off.
- **Foot Pedal Control:** The sewing speed is controlled by the foot pedal. Press gently for slower speeds and more firmly for higher speeds.
- **Needle Type:** This machine uses DB X 1 needles. Ensure the correct needle type and size are used for your fabric.

3.2 Threading the Machine

Proper threading is crucial for consistent stitch quality. Follow the numbered thread guides carefully, ensuring the thread passes through all tension discs and the take-up lever before being threaded through the needle eye.

3.3 Stitch Length Adjustment

The maximum stitch length is 9mm. Adjust the stitch length dial located on the machine head to achieve the desired stitch length for your sewing application.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your JUKI DU-1181N sewing machine.

- **Cleaning:** Regularly clean lint and dust from the bobbin case, feed dogs, and needle plate area using a brush or vacuum.
- **Lubrication:** Apply sewing machine oil to designated lubrication points as indicated in the machine's oiling diagram (refer to manufacturer's specific instructions). Frequency depends on usage, typically daily for heavy

use.

- **Needle Replacement:** Replace needles frequently, especially when sewing dense or heavy materials, or if stitches become irregular.
- **Belt Tension:** Periodically check the tension of the motor drive belt and adjust if necessary to prevent slippage.

5. Troubleshooting

This section addresses common issues you might encounter during operation.

Problem	Possible Cause	Solution
Skipped Stitches	Incorrect needle, bent needle, improper threading, incorrect tension.	Replace needle, re-thread machine, adjust tension.
Thread Breakage	High tension, burr on needle plate, poor quality thread, incorrect threading.	Reduce tension, check for burrs, use quality thread, re-thread.
Machine Not Feeding Fabric	Feed dogs lowered, presser foot pressure too low, lint under needle plate.	Raise feed dogs, increase presser foot pressure, clean under needle plate.
Excessive Noise/Vibration	Lack of lubrication, loose components, worn parts.	Lubricate machine, check and tighten screws, contact service for worn parts.

6. Specifications

Technical specifications for the JUKI DU-1181N Industrial Top and Bottom Feed Sewing Machine.

Feature	Detail
Model Number	DU-1181N
Manufacturer	JUKI
Machine Type	Single-needle, Straight Stitch, Top and Bottom Feed Industrial Sewing Machine
Max. Sewing Speed	2000 stitches/minute
Max. Stitch Length	9mm
Needle Type	DB X 1
Power Supply	110V with industrial clutch motor
Product Dimensions (LxWxH)	48 inches x 20 inches x 48 inches
Item Weight	229 pounds
Color	White
ASIN	B005I5DX6A
UPC	760781219205, 189684000367, 760781219212

7. Warranty and Support

For specific warranty information regarding your JUKI DU-1181N sewing machine, please refer to the documentation provided at the time of purchase or contact the authorized JUKI dealer or seller from whom you purchased the product. Warranty terms and conditions may vary.

For technical support, spare parts, or service inquiries, please contact your authorized JUKI service center or the seller. Ensure you have your machine's model number (DU-1181N) and serial number ready when contacting support.

© 2024 JUKI Corporation. All rights reserved.