

JUKI®

1-needle, Lockstitch Machine with Double-capacity Hook

DDL-5600N DDL-5600N-7

(with automatic thread trimmer)



DDL-5600N-7-0B/CP-160A

Provided with a double-capacity hook and thread trimmer best-suited for the sewing of heavy materials and jeans, the machine not only upgrades the quality of finished products but also promotes efficiency in production.



DDL-5600N

Sure thread trimming mechanism.

The thread trimmer mechanism comes with a moving knife and a counter knife, which means that a thread as thick #8 (B46-B92, Nm60/3-30/3) can be trimmed. The bobbin thread clamping device securely catches the bobbin thread, thereby preventing the bobbin thread from slipping off at the sewing end and eliminating trouble at the start of the next sewing process.



Greater efficiency thanks to the horizontal-axis, double-capacity hook.

Changing the bobbin is troublesome, especially when using a thick thread. This machine, however, is equipped with a double-capacity hook, thereby reducing the frequency of changing the bobbin. Thanks to this feature, greater efficiency is assured.



Highly consistent seam quality.

The machine is equipped with a link mechanism which is highly evaluated for its straightness, consistency and durability. Thanks to this mechanism, the machine is capable of making well-tensed, beautifully finished seams, regardless of the type of heavy materials. The maximum stitch length is as long as 8mm (with the L-type machine for the sewing heavy materials with long stitch length), thereby making the machine widely applicable to the sewing of heavy materials, such as bags, requiring a longer stitch length.



Higher lift of the presser foot for improved ease of operation.

The lift of the presser foot is as high as 13mm when using the knee lifter, thereby allowing the operator to handle the material on the machine with ease, even when using heavy materials.



Provided as standard with attachment mounting seats.

The machine is provided as standard with extra attachment mounting seats for attachment of new auxiliary parts in the future. The extremely high durability of the seats ensures an extended service with frequent replacement of attachments.



● **Auto-lifter AK85 (pedal-driven)**



● **Micro-lifter Part No.: 112-43763**

This device can be installed on the back of the faceplate. It is very convenient for frequent use.

● **Remaining bobbin thread detector AE-5* Part No.: GAE-050000A0**

When the amount of remaining bobbin thread reaches the setting, the buzzer will sound to warn the operator not to press on the front part of the foot pedal. With this function, the operator doesn't have to look away from the sewing work to check the bobbin thread.

* To retrofit the AE-5 to your existing machine, I/O unit A (part number: 400-06080), which is separately available, is required.



● **Material edge sensor ED-2**

When the sensor detects a material edge, it immediately stops the sewing machine and actuates the thread trimmer. This enhances productivity by allowing the operator to conduct sewing work without running to look out for missing stitches.



Newly developed control box/Compact motor unit

SC-910/M91

- SC-910 model control box is resistant to voltage fluctuations. It comes with a compact and energy-saving type switching power supply system that does not use a transformer. This contributes to improved reliability.
- The M91 model compact motor unit featuring low vibration and low noise capabilities is installed on the control box.
- The number of revolutions can be selected from among three different types (standard, slow and fast) according to the preference of the operator. In addition to this feature, the control box incorporates many different functions for upgraded workability.



The operation panel can be selected according to the process.

IP-100C

- The operation panel has been provided with a large user-friendly LCD. A pictograph and set values are shown on the same screen, which promises improved operability of the panel.
- The operation panel has been provided with a variety of communication and maintenance control features and is able to store data on a SmartMedia or personal computer.
- The features of the operation panel can be updated without the need for changing the PWB/ROM.



CP-160A

- Pattern sewing can be performed by the number of stitch control feature.
- Four different kinds of pattern sewing are possible: automatic reverse stitching, constant-dimension sewing, rectangle-shape sewing, and multi-layer stitching. The maximum number of stitches that can be set for automatic reverse stitching (single or double) is 19.



SPECIFICATIONS

Model name	DDL-5600NJ	DDL-5600NL	DDL-5600NR
Application	For jeans	For heavy materials	For leather shoes
Max. sewing speed	4,000rpm	3,000rpm	
Max. stitch length	5mm (normal/reverse feed)	8mm (normal/reverse feed)	
Needle bar stroke	36mm		
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm		
Needle (at the time of delivery)	DB x 1 (#21) #20 ~ #23 For JE: 134 (Nm130)		
Thread	#30 ~ #8, B46 ~ B92, Nm=60/3 ~ 30/3		
Hook	Horizontal-axis double-capacity hook		
Lubrication	Automatic		
Lubricating oil	JUKI New Defrix Oil No.1 (equivalent to ISO VG7)		

Model name	DDL-5600NJ-7	DDL-5600NL-7	DDL-5600NR-7
Application	For jeans	For heavy materials	For leather shoes
Max. sewing speed	4,000rpm	3,000rpm	
Max. stitch length	5mm (normal/reverse feed)	8mm, 5mm (reverse feed)	
Needle bar stroke	36mm		
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm		
Needle (at the time of delivery)	DB x 1 (#21) #20 ~ #23 For JE: 134 (Nm130)		
Thread	#30 ~ #8, B46 ~ B92, Nm=60/3 ~ 30/3		
Hook	Horizontal-axis double-capacity hook		
Lubrication	Automatic		
Lubricating oil	JUKI New Defrix Oil No.1 (equivalent to ISO VG7)		
Automatic reverse feed function	Provided as standard		
Power requirement	Single-phase 100 ~ 120V, 200 ~ 240V, 3-phase 200 ~ 240V		
Power consumption	650VA		
Total weight	81kg		

WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

DDL5600N DDL5600N 7

Application	Code
For jeans	J
For heavy materials	L
For leather shoes (with roller presser foot)	R

Wiper and automatic reverse feed function		
Wiper	Automatic reverse feed function	Code
Not provided	Provided	0B
Provided (For DDL-5600NJ-7)	Provided	FB

Auto-lifter (optional)	Code
Not provided	
Provided (AK85)	AK

● PSC box

SC910

PSC box				Code
For JUS (LA)*	Single-phase	100 ~ 120V	PFL	S
For JUS*, General Export	3-phase	200 ~ 240V	PFL	D
For General Export	Single-phase	200 ~ 240V	PFL	K
For EU (CE)	Single-phase	200 ~ 240V	PFL	N
For China	Single-phase	200 ~ 240V	PFL	U

* JUS: North America and Central and South America

● Operation panel

Operation panel	Code
IP-100C	IP100C
CP-160A	CP160A

● To order, please contact your nearest JUKI distributor.

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 http://www.juki.com

* Specifications and appearance are subject to change without prior notice for improvement.
 * Read the instruction manual before putting the machine into service to ensure safety.
 * This catalog is printed on recycle paper.

● Motor for SC

M91S

Control box	Code
Standard	S
Provided with built-in I/O board	A

● Control box provided with built in I/O board (Code A) should be selected for the machine head equipped with the remaining bobbin thread detector (AE-5).

Pulley belt	Code
Standard	S



JUKI CORPORATION HEAD OFFICE
 The environmental management system to promote and conduct (1)the technological and technical research, the development and design of the products in which the environmental impact is considered, (2)the conservation of the energy and resources, and the recycling, in the research, development, design, distribution, sale and maintenance service of the industrial sewing machines, household sewing machines and industrial-use robots, etc. and in the purchase, distribution and sale of the household commodities including the healthcare products.