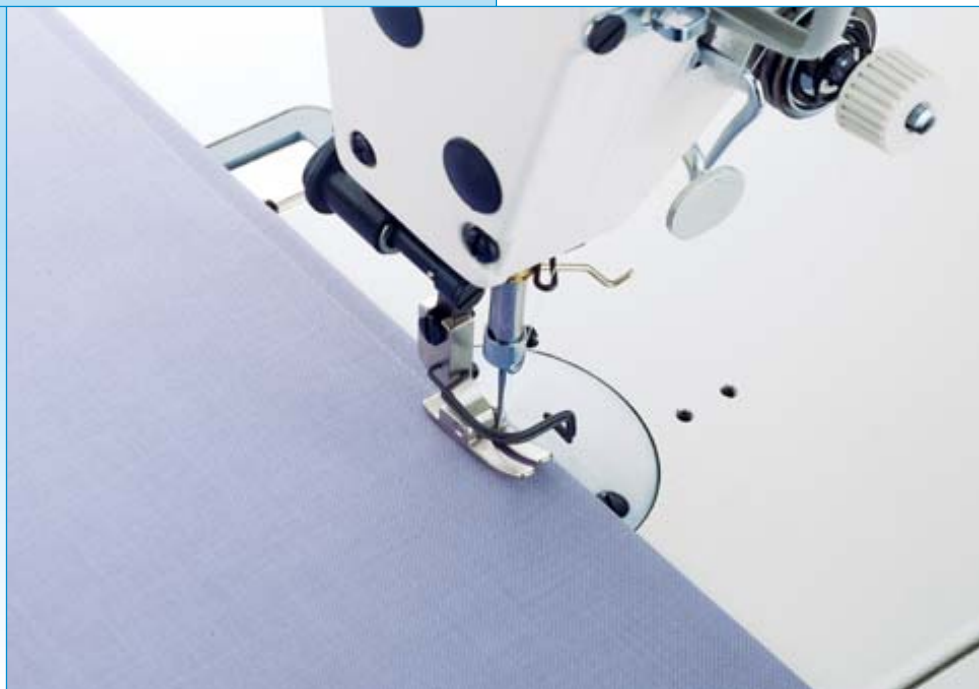


**JUKI®**

1-needle, Lockstitch Machine

# DDL-5550N DDL-5550N-7

(with automatic thread trimmer)



DDL-5500N-7-WB/CP-160A

Newly developed lockstitch machine provides upgraded quality and a comfortable production environment that increases efficiency.



DDL-5550N

Sewing mechanism that demonstrates outstanding responsiveness to materials to be sewn.

The thread take-up mechanism, feed mechanism, thread paths and hook have been further improved to enhance responsiveness to material changes and to ensure consistent stitch quality.



Sure thread trimming mechanism.

The machine comes with a thread trimming mechanism that performs speedy and sure thread trimming to achieve highly efficient sewing work.



The arm configuration is designed to provide a larger sewing space.

Permits easier cloth handling while sewing.



Higher lift of the presser foot.

The ample lift of the presser foot makes it easier to set or remove materials or to sew overlapping sections.



The feed and lubricating mechanisms have been improved in durability.

The durability of the machine frame and components has been improved. This will result in long-range economy.

● **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-4\* Part No.: GAE-040000A0**

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-4 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-5550N	DDL-5550NA	DDL-5550NH
Application	For medium-weight materials	For light-weight materials	For heavy-weight materials
Max. sewing speed	5,500rpm	4,000rpm	
Max. stitch length	5mm	4mm	5mm
Needle bar stroke	30.7mm	29mm	35mm
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm	By hand: 4mm, By knee: 9mm	By hand: 5.5mm, By knee: 13mm
Needle (at the time of delivery)	DB x 1 (#14) For JE: 134 (Nm75)	DA x 1 (#9) For JE: 134 (Nm65)	DB x 1 (#21) For JE: 134 (Nm130)
Hook	Automatic-lubricating full-rotary hook		
Lubrication	Automatic		
Lubricating oil	JUKI New Defrix Oil No.1 (equivalent to ISO VG7)		

Model name	DDL-5550N-7	DDL-5550NA-7	DDL-5550NH-7
Application	For medium-weight materials	For light-weight materials	For heavy-weight materials
Max. sewing speed	5,000rpm	4,000rpm	
Max. stitch length	4mm		5mm
Needle bar stroke	30.7mm	29mm	35mm
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm	By hand: 4mm, By knee: 9mm	By hand: 5.5mm, By knee: 13mm
Needle (at the time of delivery)	DB x 1 (#14) For JE: 134 (Nm75)	DA x 1 (#9) For JE: 134 (Nm65)	DB x 1 (#21) For JE: 134 (Nm130)
Hook	Automatic-lubricating full-rotary 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:

DDL5550N  DDL5550N  7

Application	Code
For medium-weight materials	
For light-weight materials	A
For heavy-weight materials	H

Wiper and automatic reverse feed function		
Wiper	Automatic reverse feed function	Code
Not provided	Provided	0B
Provided	Provided	WB

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.

### ● 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-4).

Pulley belt	Code
Standard	S

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\* 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.



**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.