

DDL-8700-7/EC-10B

ELECTRONIC-STOP MOTOR TYPE

1-needle, Lockstitch Machine with an Automatic Thread Trimmer

JUKI's newly developed EC-10B Series lockstitch machines with automatic thread trimmers provide higher reliability. The control panel is optionally available.





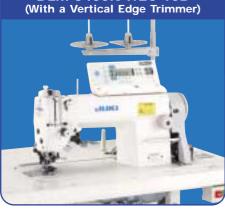




DLU-5490N-7/EC-10B (Bottom & Variable Top feed)







DLD-5430N-7/EC-10B (Differential-feed)

* CP-160 control panel is optionally available.



The consistent seam quality and thread trimming performance of the EC-10A Series has already been well proven over years of operation. The EC-10B is an upgrade of the EC-10A which incorporates further improved functions to enable the use of a control panel for high-end models. If mounted with a control panel (CP-160, optionally available), the EC-10B Series offers, in addition to its standard basic functions, a sophisticated array of upgraded functions to enable use for wider applications such as multilayer sewing, constant-dimension sewing, and rectangle pattern sewing, as well as the use of a bobbin thread counter.

ELECTRONIC-STOP MOTOR/ CONTROL BOX EC-10B

- The EC-10B enables the sewing machine to perform thread trimming, stop with its needle up/down, perform automatic reverse feed stitching at sewing start and sewing end, and perform one-touch reverse feed stitching with a switch. Needless to say, the number of reverse feed stitches can be specified.
- A contactless electromagnetic coupling is adopted. This means that the clutch disc does not require any maintenance.
 Furthermore, cooling efficiency is enhanced, there by preventing the motor from running at very hot temperatures.
- In addition to the EC-10B's error-identification and signal input/output checking modes, the machine features a new resistor pack system for identification of sewing machine used for improved maintainability.



EC-10B

CONTROL PANEL CP-160 (OPTION)

- Along with its standard functions, the control panel offers users a bobbin thread counter for higher efficiency and pattern sewing.
 Functions such as multi-layer stitching, constantdimension sewing, and rectangle stitching.
- The easy-to-read control panel facilitates function selection and easy input of sewing data such as the number of stitches.



CP-160

 The optional ED-2 material edge sensor can be attached to the control panel.

CONTROL PANEL SPECIFICATIONS

No.	Function	EC-	10B	EC-10B	/CP-160 onal)
1	Automatic thread trimmer	0			
2	Automatic back tack function	0			
3	Wiper		()	
4	Soft-start		2	Δ	
5	Auto-lifter			* ^	
6	Support for sewing machine for standing use			·* O	
7	Stop with needle up/down	0			
8	Normal stop with needle up	0			
9	Normal stop with needle down	0			
10	Automatic back tack stitching at sewing start	0	N	0	N
11	Automatic stitching at sewing end	0	N	0	N
12	Back tack pattern switch	(0 ~ 15 s	\stitches)	(0 ~ 19 stitches)	ala1
13	Max speed limitation variable resistor	Δ Ο		0	* /
14	Thread trimming prohibition switch			0	%
15	Needle up/down compensating switch			0	(1)
16	Double back tack switch for start			0	[M]
17	Double back tack switch for end			0	M
18	Overlapped stitching pattern switch			0	
19	Constant-dimension stitching pattern			0	ALB7
20	Programmable seam length			0	CDCN BZAA
21	Bobbin thread counter			0	
22	Material edge sensor			***	4

- Specified inside the control box.
- Operative when the machine is equipped with an auto-lifter (AK83: optional).
- Pedal unit (PK-70, or 71: optionally available) for standing work can be attached to the sewing machine.
- *** Operative when the machine is equipped with a material edge sensor (ED-2:optional).

WHEN YOU PLACE ORDERS

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



Application	Code
For medium-weight materials	
For light-weight materials	Α
For heavy-weight materials	Н

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



Application	Code
For medium-weight materials	
For light-weight materials	Α
For heavy-weight materials	Н

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

Not provided	/
Provided (AK85)	AK

DDL-5600N -7-

Application	Code
For jeans	J
For heavy-weight 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



Application	Code
For light- to medium-weight materials	
For heavy-weight materials	Н
For jeans	J

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

DLU-5490N -7-

		,	
Application	Code	Application	Code
For light-weight materials	BA	For elastic materials	E
For medium-weight materials	BB	For setting zipper (right)	J
For heavy-weight materials	ВС	For binding	L*
For edge welt seam	С	For bottom hemming	М*
topstitching		For piping	N*
To prevent it from catching materials	CG	For zipper attaching (left)	Р
For sewing sharp curves	D	For preventing puckering	S
3 . 1			

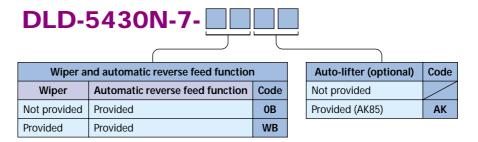
Wiper and automatic reverse feed function			
Wiper Automatic reve feed function			Code
Not provided	Provide	ed	0B
Provided	Provide	ed	WB

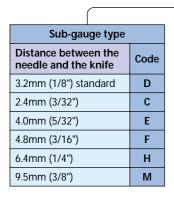
Auto-lifter (optional)	Code
Not provided	
Provided (AK85)	AK

* Note • When using the gauges L, M & N, attach them to the binder, etc.

Since the prices are separate, please ask us of them.

 \bullet Various gauges other than those shown are also available.

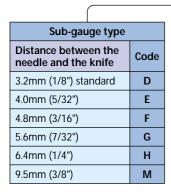


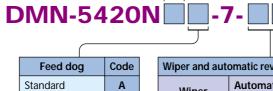




Wiper and automatic reverse feed function			
Wiper Automatic reverse feed function Code			
Not provided	Provided	0B	
Provided	Provided	WB	

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





В

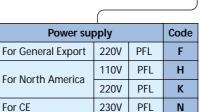
Coarse feed dog

For CE

Wiper and automatic reverse feed function			
Wiper	Automatic reverse feed function		
Not provided	Provided	OB	
Provided Provided WB			

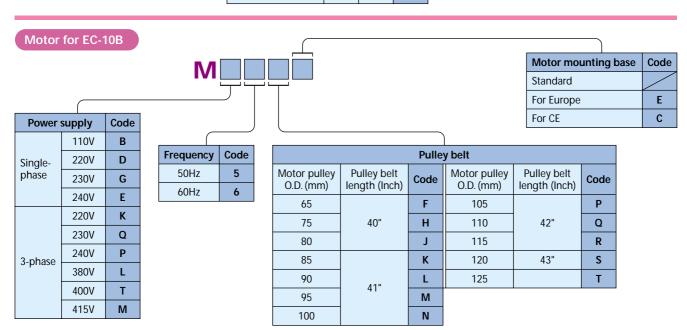
Auto-lifter (optional)	Code			
Not provided				
Provided (AK85)	AK			





EC10B-

Control panel	Code
Not provided	
Provided	AA

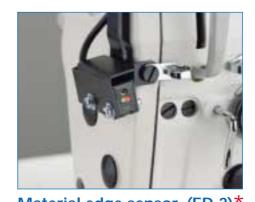


^{*} If an auto-lifter is installed on the machine, the presser foot will be lifted/lowered by the the foot pedal.

OPTIONAL DEVICES



Auto-lifter
Auto-lifter mounted on the machine head
AK85 (pedal switch type)



Material edge sensor (ED-2)*
The sensor detects the material edge, thereby stopping the sewing machine to make it perform thread trimming at once.
*The CP-160 model of operation panel is required.

SPECIFICATIONS

• DDL-5550N-7

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	4,000)rpm
Max. stitch length	4m	nm	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 × 1 (#14) For JE: 134 (Nm75)	DA × 1 (#9) For JE: 134 (Nm65)	DB × 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 110V, 120V, 220V, 240V, 3-phase 220V, 240V, 380V, 415V		
Total weight	81kg		

• DDL-8700-7

Model name	DDL-8700-7	DDL-8700A-7	DDL-8700H-7
Application	For medium-weight materials	For light-weight materials	For heavy-weight materials
Max. sewing speed	5,000rpm)rpm	
Max. stitch length	4m	5mm	
Needle bar stroke	30.7mm		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) #9 ~ #18 DA x 1 (#9) #9 ~ #11 For JE: 134 (Nm90) For JE: 134 (Nm65)		DB × 1 (#21) #19 ~ #23 For JE: 134 (Nm130)
Hook	Automatic-lubricating full-rotary hook		
Total weight		81kg	

• DDL-5600N-7

Model name	DDL-5600NJ-7	DDL-5600NL-7	DDL-5600NR-7	
Application	For jeans	For heavy-weight 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) DB x 1 (#21) #20 ~ #23 For JE: 134 (Nm130)			
Thread	#30 ~ #8, B46 ~ B92, Nm=60/3 ~ 30/3			
Hook	Automatic-lubricating double-capacity full-rotary hook			
Total weight	81kg			

DLN-5410N-7

Model name	DLN-5410N-7	DLN-5410NH-7	DLN-5410NJ-7
Application	For light- to medium-weight materials	For heavy-weight materials	For jeans
Max. sewing speed	5,000rpm	4,000rpm	
Max. stitch length	4mm	4.5mm	
Needle bar stroke	30.7mm		33mm
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm		
Needle (at the time of delivery)	DB × 1 (#14) For JE: 134 (Nm90)	DB × 1 (#21) For JE: 134 (Nm130)	DB × 1 (#21) For JE: 134 (Nm130)
Hook	Automatic-lubricating full-rotary hook		Automatic-lubricating double-capacity full-rotary hook
Total weight	83kg		

DLU-5490N-7

Model name	DLU-5490N-7	
Max. sewing speed	4,500rpm	
Max. stitch length	5mm	
Max. top-feed amount	8mm	
Needle bar stroke	30.7mm	
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm	
Needle (at the time of delivery)	DB × 1 (#14), For JE: 134 (Nm90)	
Hook	Automatic-lubricating full-rotary hook	
Weight	Total weight: 83kg	

DLD-5430N-7

0 212 0 10011 7				
Model name	DLD-5430N-7			
Max. sewing speed	4,500rpm			
Max. stitch length	5mm			
Max. top-feed amount	Shirring 1:1.5 (Max. 1:3), Stretching 1:0.5			
Needle bar stroke	30.7mm			
Lift of the presser foot	By hand: 5.5mm, By knee: 13mm			
Needle (at the time of delivery)	DB × 1 (#14), For JE: 134 (Nm90)			
Hook	Automatic-lubricating full-rotary hook			
Weight	Total weight: 82kg			

DLM-5400N-7DMN-5420N-7

Model name	DLM-5400N-7	DMN-5420N-7	
Max. sewing speed	4,500rpm	5,000rpm (Max. 4,000rpm with the stitch length set to 4mm or more)	
Feed system	Bottom-feed	Needle-feed	
Max. stitch length	4mm (normal/reverse feed)	5mm (normal feed), 3mm (reverse feed)	
Needle bar stroke	30.7mm		
Lift of the presser foot	By hand: 5.5mm, By knee: 10mm		
Needle (at the time of delivery)	DB × 1 (#14) #9 ~ #18, For JE: 134 (Nm90)		
Hook	Automatic-lubricating full-rotary hook		
Max. thickness of the material to be cut	4mm		
Total weight	83kg	84kg	

• To order, please contact your nearest JUKI distributor.



JUKI CORPORATION HEAD OFFICE

The environmental management system to promote and conduct
the technological and technical research, the development and design of the products in which the environmental impact is considered.

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.



8-2-1, KOKURYO-CHO, CHOFU-SHI, TOKYO 182-8655, JAPAN PHONE : (81) 3-3430-4001 ~ 4 FAX : (81) 3-3430-4909.4914 TELEX: J22967 http://www.juki.co.jp

* 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