

LK-1903C Series

Computer-controlled, High-speed, Lockstitch, Button Sewing System

LK-1903C (Standard type)

LK-1903C/BR35 (with button feeder)



LK-1903CSS301D



Products complied with **JUKI SUSTAINABLE PRODUCTS Standard** (JUKI own standard)

The products are paying attention to environmental impact reduction, better working environment and helping create smart factory. The power consumption is reduced by 25% or more compared to conventional products.



Registered Organization: JUKI CORPORATION Head Office
The Scope of the Registration: The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

JUKI JUKI CORPORATION
SEWING BUSINESS UNIT

2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN

PHONE: (81) 42-357-2355 FAX: (81) 42-357-2274

<https://www.juki.co.jp/en>

- Specifications and appearance may be changed without notice for improvement purposes.
- To ensure safe use, be sure to read the instruction manual before use.
- QR code is a registered trademark of DENSO WAVE INCORPORATED.

The information in this catalog is current as of March 2026. (Rev05) (JC)

Computer-controlled, High-speed, Lockstitch, Button Sewing System

LK-1903C Series

Digital sewing system proposes the production process added with a computerized new value to all the people who engage in production.

Computer-controlled, High-speed, Lockstitch, Button Sewing System

LK-1903C Series



Stable productivity

Higher productivity

The LK-1903C achieves sewing speed of 2,700sti/min. The machine's starting, stopping, thread-trimming and automatic presser lifting speeds have been increased to significantly shorten total cycle time. This is a lockstitch button sewing machine that supports a variety of sewing patterns and cycle sewing.

New Standard LCD panel / Control box integrated with the machine head

The control box integrated with the machine head, originally designed by JUKI, is adopted. The number of standard patterns is 50. As many as 999 patterns (500,000 stitches) can be stored in memory. The new upright type operation panel is installed on the side face of the machine head to allow the operator to operate the machine without averting his/her eyes, during sewing, from the bartack being sewn. In addition, the table surface can be used widely. The operation panel can also be installed on the table as before.

* If you want to install the operation panel on the table, an optional connecting cable (1.2 m) will be necessary. Part number: 40297363



Standard LCD panel: To be installed on the machine head

Control box integrated with the machine head

Two-way data communication function for sewing machine data using an NFC terminal optional

The standard LCD panel is provided as standard with a USB port to facilitate data management between sewing machines and update of software. If you additionally use the optional NFC terminal, bidirectional data communication is enabled with a commercially-available Android terminal in a non-contact manner. This enables quick sharing of pre-set sewing data with other sewing machines to reduce the time required for set-up changing.

* Optional NFC terminal: Part number 40289481



USB port



NFC terminal optional

The sewing machine can be paired with equipment which supports NFC (Near Field Communication) only by holding the equipment over the sewing machine.

Android OS Version 6.0 is recommended to use JUKI Smart APP. (Operation is confirmed with respect to Versions 5.0 and later.) Contact JUKI distributor in your area for how to use the application software.

Various functions

The machine is provided as standard with the active tension (electronic thread tension control mechanism)

- Since the machine is provided with an active tension mechanism, it is able to set a needle thread tension that matches various sewing conditions (such as thread, material and sewing speed) on the operation panel, store the data in memory and reproduce it.
- The needle thread tension can be separated according to stitching type or portion of a seam, such as the beginning part of the seam, in the middle of sewing and end of the seam (fastening stitch).

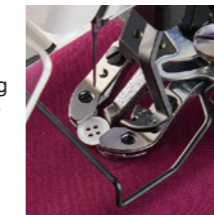


Excellent seam quality

- Needle thread grasping mechanism helps produce consistent knot tying at the beginning of sewing. (This device has been factory-set to "invoking prohibited" status at the time of delivery.)
 - In the case "T" is selected for the work clamp foot/thread clamp

Auto-lifter mechanism utilizing a system

- The machine is provided as standard with auto-lifter that uses a stepping-motor system. This helps reduce operator fatigue.
- It is also possible to change over the stroke of the auto-lifter from a onestep stroke to a double-step stroke, which offers easier positioning of a material on the machine. For the double-step stroke, an intermediate stopping height can be established on the operation panel.
- The work clamp foot lift can be set to a maximum of 13mm.

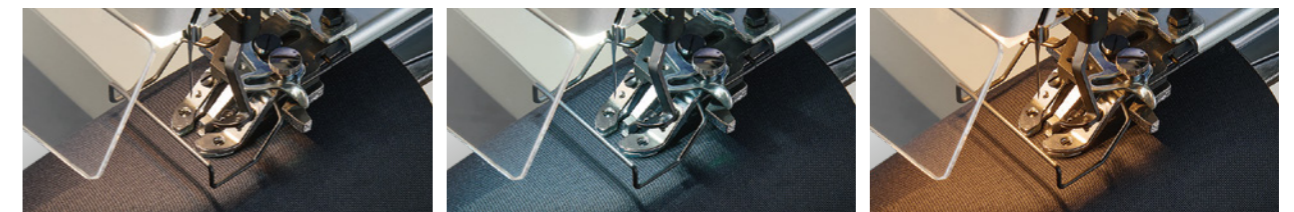


LK-1903CS

Improved working environment

Operator's fatigue is reduced

The LED hand light is now provided with color matching function using two colors (white/light bulb color) in addition to the conventional dimming function. Illumination is adjustable in five levels and dimming is in 10 levels to help reduce the eye fatigue of the operator who is engaged in sewing operation for extended hours.



Mixed color

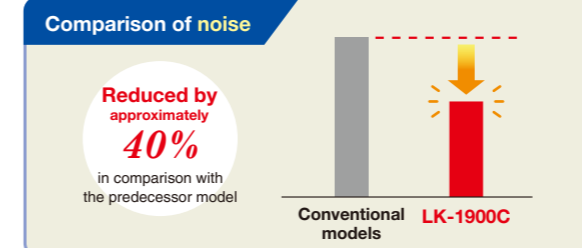
White

Light bulb color

Noise are reduced

This machine substantially reduces noise in comparison with the predecessor models to provide the work environment that takes reduction of the operator's fatigue into consideration.

- Reduction of noise of the sewing machine by approximately **40%** Stress on the ears is relieved



● Comparison at the sewing speed of 3,200sti/min (Data is based on bar tacking specifications.)

The sewing starting point can be corrected

- The sewing starting point can be moved in the X and/or Y directions. When sewing buttons, the needle drop position at the beginning of sewing can be corrected using the operation panel.

Oil stains are eliminated

- Thanks to our advanced dry-head technology, the frame (needle bar and thread take-up) no longer requires lubrication. This prevents the material from being stained with lubricating oil.
- Just a small quantity of clean oil is supplied from the oil tank to the hook.

Excellent workability and operability (Low-noise and low-vibration)

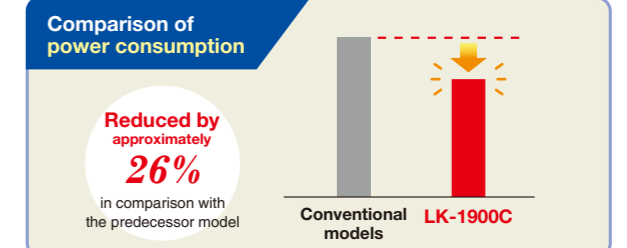
- The direct-drive head (with no belt), which is directly connected to a compact AC servomotor, achieves outstanding. This head helps create a comfortable working environment with reduced vibration and noise.
- The arm section of the machine head is fitted with a hand pulley. This allows the operator to visually check the needle entry points.

Many different sewing patterns

- The machine is provided as standard with 50 different sewing patterns. The machine permits easy changeover of sewing patterns for effortless execution of an inexhaustible range of sewing specifications.

Environmental-friendly power saving

Aiming at the creation of environment-conscious products, an encoder is mounted on the stepping motor. Thanks to the JUKI's unique control technology, power consumption of this machine is reduced by approximately **26%** in comparison with the predecessor model.



LK-1903C

Computer-controlled, High-speed, Lockstitch, Button Sewing System

The machine achieves sewing speed of 2,700sti/min The machine's thread-trimming etc. have been increased to significantly shorten total cycle time. The machine is provided as standard with 50 different sewing patterns at higher productivity. The LK-1903C is a lockstitch button sewing machine which is not only applicable to many different sewing specifications but also able to carry out cycle sewing and produces high-quality seams.



TABLE OF THE SEWING PATTERNS

Pattern No.	Stitch shape	Sewing thread (pcs.)	Standard length X (mm)	Standard length Y (mm)	Pattern No.	Stitch shape	Sewing thread (pcs.)	Standard length X (mm)	Standard length Y (mm)
1-34	⊕	6-6	3.4	3.4	18-44	⊕	6	3.4	0
2-35	⊕	8-8			19-45	⊕	8		
3	⊕	10-10			20	⊕	10		
4	⊕	12-12			21	⊕	12		
5-36	⊕	6-6			22	⊕	16		
6-37	⊕	8-8			23-46	⊕	6	0	3.4
7	⊕	10-10			24	⊕	10		
8	⊕	12-12			25	⊕	12		
9-38	⊕	6-6			26-47	⊕	6-6	3.4	3.4
10-39	⊕	8-8			27	⊕	10-10		
11	⊕	10-10			28-48	⊕	6-6		
12-40	⊗	6-6			29	⊕	10-10	3.0	2.5
13-41	⊗	8-8			30-49	⊕	5-5-5		
14	⊗	10-10			31	⊕	8-8-8		
15-42	⊗	6-6			32-50	⊕	5-5-5	3.0	2.5
16-43	⊗	8-8			33	⊕	8-8-8		
17	⊗	10-10							

● (1) Standard sewing lengths X and Y given above are given assuming that the scale is 100.
● (2) Use the patterns No. 34-50 with hole diameter 1.5mm or less.

You can also view the "Table of the sewing patterns" via the QR code.

MODELS CLASSIFIED BY BUTTON SIZES

Model name		LK-1903C-301				LK-1903C-302				
Button size		For extra-small button		For small button (accessory)		For medium-size button				
Outside diameter that can be adjusted (mm)		φ8~φ9	φ9~φ10	φ10~φ15	φ10~φ20	φ10~φ20				
Sewing size (mm)	Length (Y)	0~2.5	0~3.0	0~3.5	0~3.5	0~4.5				
	Width (X)	0~2.5	0~3.0	0~3.5	0~3.5	0~4.5				
Button clamp jaw lever (combination)	Thickness (mm)	1.7 (2.2)		Engraved marker	1.7 (2.2) (2.7) (0.9)		Engraved marker	2.0 (2.2) (2.7)		
		Part No.	Right		MAZ158070BB (MAZ158070BA)	G		14148852 (MAZ155070B0) (MAZ156070B0) (B25553720A0)	K	14149058 (MAZ155070B0) (MAZ156070B0)
	Left		MAZ158080BB (MAZ158080BA)	G	14148951 (MAZ155080B0) (MAZ156080B0) (B25573720A0)	K	14149157 (MAZ155080B0) (MAZ156080B0)	L	B	
	Needle hole guide (mm)	A	1.6 (1.8)		(1.6) (1.8) (1.1)		1.6			
		B	φ2.8		(φ3.5)		φ3.5			
	Part No.	C	φ1.6		(φ1.6)		φ2.0			
		Part No.	MAZ15801000 (14149900)		(MAZ15501000) (14149603) (D2426284Y00)		MAZ15601000			
	Feed plate		MAZ15502000 (□8.5)		MAZ15502000 (□8.5)		MAZ15602000 (□10)			

● Parts shown in parentheses () are optional.

OPTION

Model name	Option	
Button size	For large button	
Outside diameter that can be adjusted (mm)	φ15~φ32	
Sewing size (mm)	Length (Y)	0~6.5
	Width (X)	0~6.5
Button clamp jaw lever (combination)	Thickness (mm)	2.7 (3.2)
	Part No.	MAZ157070BB (MAZ157070BA)
Needle hole guide (mm)	Right	D
	Left	E
Part No.	Right	MAZ157080BB (MAZ157080BA)
	Left	D
Part No.	Right	E
	Left	—
Part No.	Right	MAZ15701000
	Left	—
Feed plate	MAZ15702000 (□12.5)	

Model name	Option													
Button type	For shank button													
Max. sewing speed	1,500sti/min													
Button configuration	Outside diameter	φ8~φ20												
	Diameter of hole in button	φ1.5 or more												
Position of hole in button														
	Configuration of shank	<table border="1"> <tr> <th>B (mm)</th> <th colspan="2">A (mm)</th> </tr> <tr> <td>1</td> <td>4</td> <td>9</td> </tr> <tr> <td>3</td> <td>3</td> <td>8</td> </tr> <tr> <td>5</td> <td>—</td> <td>7</td> </tr> </table>		B (mm)	A (mm)		1	4	9	3	3	8	5	—
B (mm)	A (mm)													
1	4	9												
3	3	8												
5	—	7												
Pattern No.	18, 19, 20, 21, 22													

Optional parts for shank buttons

Part number	Part name
40303672	PICK-UP DEVICE COMPL
D1401M1YC0A	NEEDLE BAR (TQx1)
MAZ160170A0	WIPER ASM.
MAZ16021000	NEEDLE HOLE GUIDE
MTQ300B1400	NEEDLE TQx3 # 14
40006739	CLOTH FEED PRESSER PLATE
40302732	PICK-UP INSTALLING BASE
SM9061613SC	SCREW M6 L=16
WP0723016TP	WASHER 7.2x15.8x3
WP0703516SP	WASHER 7.0x20x3.5
WP0722316SH	WASHER 7.2x12.7x2.3

