



MO-6900C Series

Super-high-speed, Cylinder-bed, Overlock Machine



MO-6914C

MO-6900C Series

Super-high-speed, Cylinder-bed, Overlock Machine

SPECIFICATIONS

Model name	MO-6904C	MO-6914C
Stitch type	1-needle overlock	2-needle overlock
Stitch style in the U.S.A.	504	514
Max. sewing speed	8,000sti/min*	
Stitch length	0.8~ 3.5mm	
Needle gauge (mm)	—	2.0
Overedging width (mm)	3.2, 4.0, 4.8	3.2, 4.0
Differential feed ratio	For gathering 1:2.3 (max. 1:4.5), For stretching 1:0.8	
Needle bar stroke	24.5mm	
Inclination angle of the needle	20	
Needle mechanism	Needle bar method and upper/lower bushing	
Needle	DCX27	
Max. lift of the presser foot	7mm (excluding some subclass model)	
Max. presser foot pressure	63.7N (6.5kg)	
Stitch adjusting method	By push-button	
Differential-feed adjusting method	By lever	
Weight of the machine head	24kg	
Lubrication	Automatic	
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)	
Needle cooler	Provided as standard	
Needle thread heat remover	Provided as standard	
Micro-lifter	Provided as standard	

* "sti/min" stands for "Stitches per Minute."

WHEN YOU PLACE ORDERS

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

Head

MO69 C

Stitch type	Code
1-needle overlock	04
2-needle overlock	14

Type	Code
Cylinder-bed	C

Needle gauge (mm)	Overedging width (mm)	Feed dog	Code
—	3.2	3-row	0D6
—	4.0	3-row	0E6
—	4.8	2-row	0F4
2.0	3.2	2-row	BD4
2.0	3.2	3-row	BD6
2.0	4.0	3-row	BE6

Material	Application	Special machine classification	Code
Light- to medium-weight	For general fabrics	Runstitching	Upper looper high throw
			307

Control Box

SC-921B

* Synchronizer

SY2 :40026920

SY2 Stopper Asm.:40025294

Panel

CP18B

● To order, please contact your nearest JUKI distributor.



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.



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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 catalogue prints with environment-friendly soyink on recycle paper.

MO-6900C Series

New and powerful machine for sewing tubular materials !

The MO-6900C Series sewing machine, provided with a small-in-diameter cylinder bed, is capable of runstitching or blind-hemming tubular materials, such as sleeve cuffs, with ease. The operator can carry out sewing of the tubular material while turning it downward. This promises improved workability and contributes to dramatically increased productivity.



MO-6904C

● **The machine ensures both beautiful and upgraded seam quality at higher speeds.**

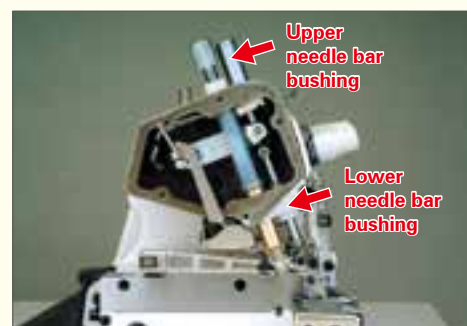
Since the machine comes with a needle-thread take-up mechanism as well as a looper thread take-up mechanism, to enable sewing with a lower tension applied to the material, it achieves soft-feeling high-quality seams.



MO-6914C

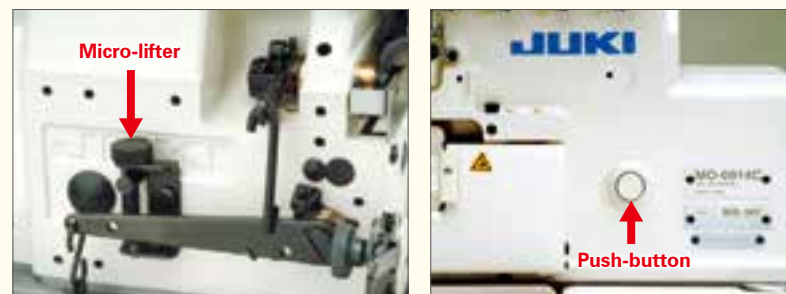
● **Further increased reliability.**

The introduction of a shield-structured needle bar mechanism and upper and lower needle bar bushings, contributes to increased durability and reliability. The machine is provided as standard with a cartridge type oil filter and cooling fan, thereby ensuring enhanced reliability.



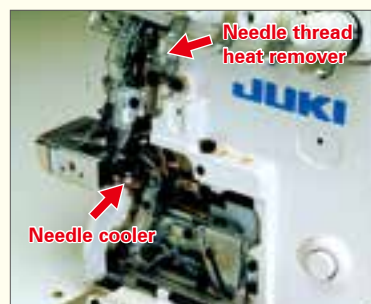
● **Mechanisms that promise improved operability.**

Since the machine is provided as standard with the bottom feed dog inclination-adjusting mechanism and the external differential feed-increasing mechanism, it can be easily adjusted to ideally match the material being sewn. In addition, the machine is provided as standard with a micro lifter feature that offers improved responsiveness to materials, and provides the operator with upgraded operability. The stitch length can be easily adjusted with the push-button mounted on the front surface of the sewing machine.



● **The needle thread heat remover and needle cooler are equipped as standard.**

To offer improved sewing capabilities as well as to prevent stitching mishaps during high-speed sewing, the machine is provided as standard with the needle thread heat remover and needle cooler.



● **Small-in-diameter cylinder bed.**

The cylinder bed is bestsuited to the runstitching and blind hemming of tubular materials. Gauges and devices you have used with your existing JUKI machines are also interchangeable with no additional machining required. This eliminates both the waste of resources and unwanted extra costs.



SUBCLASS MACHINE LIST

Seams	Model No.	Materials	Number of needles	Number of threads	Needle gauge (mm)	Overedging width (mm)	Number of feed dog rows	Stitch length (mm)	Bottom differential-feed ratio	Presser lifting amount (mm)	Needle system	Max. sewing speed (sti/min)	Remarks
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<1-needle overlock>

Seams	MO-6904C-0D6-307	L~M	1	3	—	3.2	3	3.5	1:0.8~1:2.3	7	DCx27 #11	8,000	Upper looper extra high throw type
	MO-6904C-0E6-307		1	3	—	4.0	3	3.5	1:0.8~1:2.3	7	DCx27 #11	8,000	
	MO-6904C-0F4-307		1	3	—	4.8	2	3.5	1:0.8~1:2.3	7	DCx27 #14	8,000	

<2-needle overlock>

Seams	MO-6914C-BD4-307	L~M	2	4	2.0	3.2	2	3.5	1:0.8~1:2.3	6.5	DCx27 #11	8,000	Upper looper extra high throw type
	MO-6914C-BD6-307		2	4	2.0	3.2	3	3.5	1:0.8~1:2.3	6.5	DCx27 #11	8,000	
	MO-6914C-BE6-307		2	4	2.0	4.0	3	3.5	1:0.8~1:2.3	6.5	DCx27 #11	8,000	

* "sti/min" stands for "Stitches per Minute."

DEVICES AND ATTACHMENTS

Model	Part No.	Description
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● **Chain-off thread trimming device**

T043	MAT-043000A0	Pneumatic side cutter
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● **Blower-type chain-off thread suction device**

MC-7B	—	Blower-type chain-off thread suction device + cloth chips
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● **Pneumatic chain-off thread suction device**

MC-38	—	Pneumatic chain-off thread + cloth chips
MC-39	—	Function of MC-8 + auto-lifter

*The aforementioned devices are not equipped with air regulator.
Please purchase the following components when you need to regulate air pressure.

—	PF-0552010-B0	Air regulator (F.R. unit asm.)
—	GMD-01080000X2	Fixing screw for F.R. unit asm.
—	F1021-003-000	Tube connector (male)
—	GAS-12063000*	One-touch connector *Selection parts instead of the tube connector

● **Auto-lifter**

AK93	GAK-930000A0	Pneumatic type (knee-operated)
AK94	GAK-940000A0	Pneumatic type (with chain-off thread suction device)
AK102	GAK-A02000A0	Pneumatic type (for servomotor)

Model	Part No.	Description	Feature
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● **Blind hemming device**

L124	MAL-124000A0	Blind stitch hemming attachment	A ruler used for blind hemming in knits
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● **Cloth tensioner**

TR02	MATR-02000A0	Large-diameter cloth tensioner
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● **Ruler, Miscellaneous**

H153	MAH-153000A0	Cloth edge guide ruler	A swing type edge guide.
—	122-26155	Cloth plate	Wider material can be sewn by attaching the cloth plate.

[Reference]

Combination table of "chain-off thread suction device" and "auto-lifter" which correspond to "chain-off thread trimming device".

Chain-off thread trimming device	Chain-off thread suction device	Auto-lifter
T043	MC-7B	AK102 (JUKI servomotor)
	*—	AK94 (any motor will do) *AK94 is equipped with chain-off thread suction device.
	MC-38	AK102 (JUKI servomotor)
	MC-39	— (MC-39 is equipped with auto-lifter.)