

JUKI®

High-speed, overlock / safety stitch machine

MO-6700S Series



MO-6714S

MO-6700S Series

A general-purpose advanced machine that responds to various kinds of sewing materials and processes.

The MO-6700S Series responds to various kinds of sewing materials and processes, producing delicate and beautiful soft-to-the-touch seams while further reducing operating noise as well as increasing durability. This is a highly advanced cost-effective machine.



MO-6716S

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

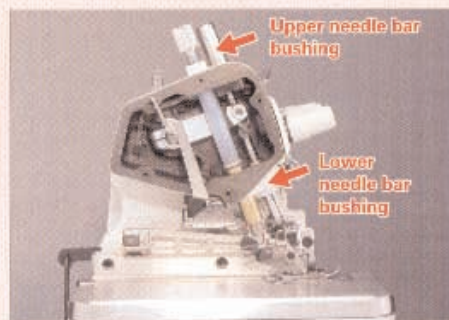
Since the machine comes with a needle thread take-up mechanism as well as a looper thread take-up mechanism, to offer upgraded responsiveness from light- to heavy-weight materials with a lower applied tension, it achieves well-tensed soft-feeling seams that flexibly correspond to the elasticity of the material at the maximum sewing speed of 7,000rpm.



• Runstitching in general fabric
MO-6714S-BE6-307

• Further increased reliability

The newly adopted upper and lower needle bar bushings of the needle bar mechanism improve both the durability and reliability of the needle bar unit. The machine comes standard with a cartridge type oil filter and cooling fan for further improved reliability and durability.



Upper needle bar bushing

Lower needle bar bushing

• The machine has been developed with the intention of providing an extended service life.

The machine incorporates various mechanisms as standard, such as a differential-feed micro-adjustment mechanism and an external adjustment mechanism for adjusting the feed dog inclination as well as increasing the differential feed ratio, which can be easily adjusted to finish seams that perfectly match the material to be used. Comfortable operation is all but guaranteed, by a wider area around the needle entry, the adoption as standard of a micro-lifter feature that helps reduce operator fatigue, and by the reduction of operating noise and vibration, which has been achieved by designing an optimally balanced machine.



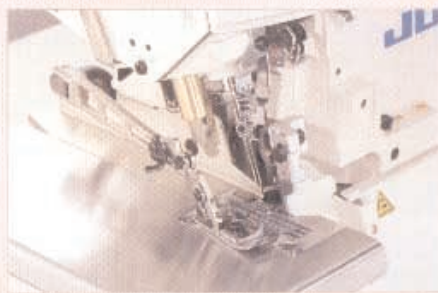
Differential feed micro-adjustment mechanism



Micro-lifter

• Devices intended for conventional JUKI machines are also interchangeable.

Gauges and devices you have used with your existing JUKI machines are also interchangeable with no additional machining. This eliminates both the waste of resources and unwanted extra costs.



SUBCLASS MACHINE LIST

Icons	Model No.	Materials	Number of nozzles	Number of threads	Needle gauge (mm)	Overedge (mm with trim)	Number of feed dog rows	Max. stitch length (mm)	Bottom differential feed ratio	Presser foot (mm)	Needle system	Max. sewing speed (rpm)	Remarks
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<1-needle overlock>

For runstitching in general fabric



	MO-6704S-0D4-300	L~M	1	3	—	3.2	2	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6704S-0E4-300		1	3	—	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6704S-0F4-300		1	3	—	4.8	2	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6704S-0D6-300		1	3	—	3.2	3	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6704S-0F6-300		1	3	—	4.8	3	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6704S-0D4-3F0		1	3	—	3.2	2	4	1:0.7~1:2	7	DC×27 #11	7,000	For soft-chains
	MO-6704S-0E4-3F0		1	3	—	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6704S-0D6-3F0		1	3	—	3.2	3	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6704S-0D4-3F6		1	3	—	3.2	2	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6704S-0E4-4FH		M~H	1	3	—	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,000
MO-6704S-0E4-40H	1	3		—	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,000	Upper looper extra high throw type	
MO-6704S-0F4-40H	1	3		—	4.8	3	4	1:0.7~1:2	7	DC×27 #11	7,000		
MO-6704S-0E6-40H	1	3		—	4.0	3	4	1:0.7~1:2	7	DC×27 #11	7,000		
MO-6704S-0F6-500	1	3		—	4.8	3	4	1:0.7~1:2	7	DC×27 #14	7,000		
MO-6704S-0F6-50H	1	3		—	4.8	3	4	1:0.7~1:2	7	DC×27 #14	7,000	Upper looper extra high throw type	

For blind hemming ★L121: Blind stitch hemming attachment



	MO-6705S-0E4-41H/ L121	M~H	1	3	—	4.0	2	4	1:0.7~1:2	5.5	DC×27 #9	7,000	Upper looper extra high throw type
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For rolled hemming (folded downward)



	MO-6704S-0A4-150	EL~L	1	3	—	1.6	2	4	1:0.7~1:2	5	DC×1 #8	7,000	
	MO-6704S-0A5-150		1	3	—	1.6	1	4	1:0.7~1:2	5	DC×1 #8	7,000	

<2-needle overlock>

For runstitching in general fabric



	MO-6714S-BD4-307	L~M	2	4	2.0	3.2	2	4	1:0.7~1:2	6.5	DC×27 #11	7,000	
	MO-6714S-BE4-307		2	4	2.0	4.0	2	4	1:0.7~1:2	6.5	DC×27 #11	7,000	
	MO-6714S-BD6-307		2	4	2.0	3.2	3	4	1:0.7~1:2	6.5	DC×27 #11	7,000	
	MO-6714S-BE6-307		2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	7,000	
	MO-6714S-BE6-20H		2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	7,000	
	MO-6714S-BE4-40H	M~H	2	4	2.0	4.0	2	4	1:0.7~1:2	6.5	DC×27 #11	7,000	Upper looper extra high throw type
	MO-6714S-BE6-40H		2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	7,000	
	MO-6712S-CE4-40H		2	4	2.4	4.0	2	4	1:0.7~1:2	6.5	DC×27 #11	7,000	
	MO-6712S-DF6-507		2	4	3.2	4.8	3	4	1:0.7~1:2	6.5	DC×27 #14	7,000	For imitation safety-stitching
	MO-6712S-DF6-50F		2	4	3.2	4.8	3	4	1:0.7~1:2	6.5	DC×27 #14	7,000	

For gathering ★S162: Swing-type gathering device (manual-lever operated)



	MO-6714S-BE6-327/ S162	L~M	2	4	2.0	4.0	3	3.2	1:0.9~1:2.6	6	DC×27 #11	7,000	
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For tape attaching ★G02, G39: Tape attaching presser foot ★Q141: Tape guide



	MO-6714S-BE6-44H/ G39/Q141	M~H	2	4	2.0	4.0	3	3.2	1:0.9~1:2.6	7	DC×27 #14	7,000	Upper looper extra high throw type
	MO-6714S-BE7-44H/ G02/Q141		2	4	2.0	4.0	4	3.2	1:0.9~1:2.6	7	DC×27 #14	7,000	

Seams	Model No.	Materials	Number of needles	Number of threads	Needle (size) (mm)	Clearing width (mm)	Number of feed dogs	Max. stitch length (mm)	Bottom differential ratio	Presser lifting amount (mm)	Needle system	Max. sewing speed (rpm)	Remarks
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<Safety stitching>

● For runstitching in general fabric



	MO-6716S-DD6-300	L~M	2	5	3.2	3.2	3	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6716S-DD6-3F0		2	5	3.2	3.2	3	4	1:0.7~1:2	7	DC×27 #11	7,000	For soft-chains
	MO-6716S-DE4-300		2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6716S-DE6-300		2	5	3.2	4.0	3	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6716S-FF6-300		2	5	4.8	4.8	3	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6716S-BE4-40H	M~H	2	5	2.0	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,000	Upper looper extra high throw type
	MO-6716S-DE4-40H		2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6716S-DE6-40H		2	5	3.2	4.0	3	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6716S-FF6-40H		2	5	4.8	4.8	3	4	1:0.7~1:2	7	DC×27 #11	7,000	
	MO-6716S-DD6-500		2	5	3.2	3.2	3	4	1:0.7~1:2	7	DC×27 #16	7,000	
	MO-6716S-FF6-500		2	5	4.8	4.8	3	4	1:0.7~1:2	7	DC×27 #16	7,000	
	MO-6716S-FF6-50H		2	5	4.8	4.8	3	4	1:0.7~1:2	6.5	DC×27 #16	7,000	Upper looper extra high throw type
	MO-6716S-FH6-50H		2	5	4.8	6.4	3	4	1:0.7~1:2	6.5	DC×27 #16	7,000	
	MO-6716S-FF6-60H		2	5	4.8	4.8	3	4.5	1:0.9~1:1.7	5	DC×27 #21	7,000	For jeans
	MO-6716S-FH6-60H		2	5	4.8	6.4	3	4.5	1:0.9~1:1.7	5	DC×27 #21	7,000	Upper looper extra high throw type

● For gathering ★S159: Swing-type gathering device (interlocked with pedal) ★S161: Swing-type gathering device (manual-lever operated)



	MO-6716S-FF6-42H/S159	M~H	2	5	4.8	4.8	3	3.2	1:0.9~1:2.6	6	DC×27 #14	7,000	Upper looper extra high throw type
	MO-6716S-DE4-42H/S161		2	5	3.2	4.0	2	3.2	1:0.9~1:2.6	6	DC×27 #11	7,000	

● For rolling-in tape ★N077: Clean finish top and bottom



	MO-6745S-ED4-360/N077	L~M	2	4	4.0	3.2	2	4	1:0.7~1:2	5	DC×27 #14	7,000	2-needle type for double-chainstitch on pocket bags
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<3-needle safety stitching>



	MO-6743S-1D6-40H	M~H	3	6	4.8 +2.0	3.2	3	4	1:0.7~1:2	6.5	DC×27 #11	7,000	Upper looper extra high throw type
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SUBCLASS

Diversified subclass machines are available. The selection of a machine that best matches the processes in concern are permitted.



● Blind hemming
MO-6705S-0E4-41H/L121
(L121: Blind stitch hemming attachment)



● For gathering
MO-6714S-BE6-327/S162
(S162: Swing-type gathering device)



● For rolling-in tape
MO-6745S-ED4-360/N077
(N077: Clean finish top and bottom)

DEVICES AND ATTACHMENTS

Model	Part No.	Description	
Chain-off thread trimming device			
T039	MAT-039001A0	One-touch type thread cutter and chain-off thread trimming device (electromagnetic type)	For 110, 115, 220, 240V
	MAT-039002A0		For 220, 380, 415, 440V
T040	MAT-040001A0	Automatic type cutter + chain-off thread trimming device	For semi-slurken type
	MAT-040002A0		For 110, 115, 220, 240V
	MAT-040001AA	Inverter-off-tension control and electromagnetic type	For full-slurken type
	MAT-040002AA		For 110, 115, 220, 240V
T041	MAT-041000A0A	Pneumatic flat cutter	
T042	MAT-042000A0A	Pneumatic side cutter	

Blower-type chain-off thread suction device

MC-7A	Blower-type chain-off thread suction device + cloth chips
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Pneumatic chain-off thread suction device

MC-4	Specific to chain-off thread, pedal-operated
MC-5	Specific to chain-off thread
MC-8	Pneumatic chain-off thread + cloth chips
MC-9	Function of MC-8 + auto-lifter
MC-24	Pneumatic chain-off thread + cloth chips

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

PF-0662010-B0	Air regulator (FR, unit asm.)
GMD-01080000-X2	Facing screw for FR, unit asm.
F1021-003-000	Tube connector (male)
GAS-12063000-9	One-touch connector * Selection parts instead of the tube connector

Auto-lifter

AX25	GAK-250000A0	Electromagnetic type
AX32	GAK-320000A0	Pneumatic type (knee-operated)
AX49	GAK-490000A0	Pneumatic type (pedal-operated)
AX52	GAK-520000A0	Pneumatic type (with chain-off thread suction device)
AK65	GAK-650000A0	Electromagnetic type
AK101	GAK-101000A0	Pneumatic type (for servomotor)

[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
T039	MC-7A	AK65 (Electronic stop motor or AC servomotor), AK101 (JUKI servomotor)
	MC-8	AK65 (Electronic stop motor or AC servomotor), AK101 (JUKI servomotor)
	MC-9	— [MC-9 is equipped with an auto-lifter.]

T040	MC-7A	AK32 (any motor will do)
	MC-8	AK65 (Electronic stop motor or AC servomotor)
	MC-9	AK32 (any motor will do)
	MC-24	AK32 (any motor will do)

T041 or T042	MC-7A	AK49 (Motors other than JUKI servomotors are applicable), AK65 (Electronic stop motor or AC servomotor), AK101 (JUKI servomotor)
	#	AK52 (any motor will do) * AK52 is equipped with a chain-off thread suction device
	MC-4	AK65 (Electronic stop motor or AC servomotor)
	MC-8	AK65 (Electronic stop motor or AC servomotor), AK101 (JUKI servomotor)
	MC-9	— [MC-9 is equipped with an auto-lifter.]

Model	Part No.	Description	Feature
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Gathering device

5159	MAS-159000A0	Swing-type gathering device (interlocked with pedal / for safety stitch machine)	The attachment opens with the presser foot pedal. This facilitates material setting on the machine. Furthermore, a knee-control type differential-feed adjusting device is built in the attachment. It controls a differential-feed ratio as desired, thereby enabling the operator to make beautiful gathers.
5160	MAS-160000A0	Swing-type gathering device (interlocked with pedal / for overlock machine)	
5161	MAS-161000A0	Swing-type gathering device (manual-lever operated / for safety stitch machine)	The attachment is used to perform two different processes, joining fabric process and gathering process, at a time.
5162	MAS-162000A0	Swing-type gathering device (manual-lever operated / for overlock machine)	The attachment can be opened/closed by using the lever (manually operated). The differential-feed ratio is controlled with the knee lever.

Blind hemming device

L121	MAL-121000A0	Blind stitch hemming attachment	A ruler used for blind hemming in knits
L122	MAL-122001A0	Automatic folded-edge controlled blind hemming device	For flat upper tails
	MAL-122002A0		For 110, 115, 220, 240V
	MAL-122001AA		For 220, 380, 415, 440V
	MAL-122002AA		For 110, 115, 220, 240V
L123	MAL-123000A0	Spring-type folded-edge controlled bottom hemming device	When the overlapped section of a material is reached, the blind hemming guide will move sufficiently to prevent stitch deviation.

Piping folder

M056	MAM-056000A0	Piping folder	This piping folder makes a piping first, then turns up the tape.
M075	MAM-075000A0	Piping folder (to be used with knit tape)	This attachment can be used for both "cotton bias tape with gimp" and "knit tape". The operation mode can be changed over with a fingertip control.
M076	MAM-076000A0	Ready-made piping folder	The dimension of ready-made tapes can be adjusted within the range of 8 to 13mm.
M077	MAM-077000A0	Piping folder (for gathering)	The attachment makes gathers on the lower fabric while making decorative piping.

Guide, Ruler

H193	MAH-193000A0	Cloth edge guide ruler (for overlock machine)	A swing type edge guide.
H194	MAH-194000A0	Cloth edge guide ruler (for safety stitch machine)	
Q141	MAQ-141000B0	Tape guide	This attachment is used attached on the machine head (face plate). It is used for tapes with the width of 7mm or less.
S0940	MAS-094000A0	Pattern guide	This attachment is used for overedging a sleeve bottom placket with a sharp curve. It enables the machine to smoothly sew the curved section of a sleeve-bottom placket along with the guide pin of the presser foot.

Feller, Binder

K09E	MAK-09E01000	Uprturn feller	This feller is exclusively used with the 300 throat plate. It is attached on the throat plate.
N067	MAN-067000A0	Reinforcement tape attachment binder	This binder binds the edge of a pocket bag while cutting round its periphery.
N072	MAN-072000A0	Clean finish top and bottom	The binder nestitches a pocket bag and binds its periphery with tape simultaneously.

Miscellaneous

Z173	MAZ-173000A0	Backstitch device (for 1-needle overlock machine)	It sews chain-off thread at the start of sewing inside overlapped seam. With this device, the operator is no longer required to neatly arrange the chain-off thread. *Rolled-in chain-off thread also works as a simplified bartack.
	131-62557	Needle cooler unit asm.	Needle cooler By silicon oil lubrication unit for the needle thread.
	SS-40910155P	Screw	
	WP-03710265D	Washer	
	SS-71108405P	Screw	
	131-63156	Needle cooler unit asm.	
	SE-40910155P	Screw	
	WP-03710265D	Washer	Needle thread heat remover By silicon oil lubrication unit for the needle thread.
	131-63902	Presser	
	131-63456	Silicon tank asm.	
	131-63603	Felt	
	TA-09508069D	Rubber plug	
	SM-40408555P	Screw	

■ SPECIFICATIONS

Model name	MO-6704S	MO-6714S	MO-6716S
Stitch type	1-needle overlock	2-needle overlock	Safety stitching
Stitch style in the U.S.A.	504	514	516
Max. sewing speed	7000rpm		
Stitch length	0.8~4mm		1.5~4mm
Needle gauge (mm)	—	2.0, 2.4, 3.2	2.0, 3.2, 4.0, 4.8, 4.8+2.0
Overredging width (mm)	1.6, 3.2, 4.0, 4.8	3.2, 4.0, 4.8	3.2, 4.0, 4.8, 6.4
Differential feed ratio	For gathering 1:2(Max. 1:4), For stretching 1:0.7(Max. 1:0.6)		
Needle bar stroke	24.5mm		
Inclination angle of the needle	20°		
Needle mechanism	Needle bar method and upper/lower bushing		
Needle	DC X 27 (excluding some subclass model)		
Max. lift of the presser foot	7mm (excluding some subclass model)		
Max. presser foot pressure	63.7N (6.5kg)		
Upper knife	Flat knife		
Stitch adjusting method	By push-button		
Differential-feed adjusting method	By lever (with micro-adjustment)		
Weight of the machine head	28kg		
Lubrication	Automatic		
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)		
Needle cooler	Optional		
Needle thread heat remover	Optional		
Micro-lifter	Provided as standard		

■ WHEN YOU PLACE ORDERS

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

Stitch type	U.S.A.	Code	Type	Code	Device and attachment	Code
1-needle overlock	504	04	Standard	S	Tape attaching presser foot / Tape guide	G02/Q141
1-needle overlock for blind hemming	505	05			Tape attaching presser foot (for sewing sharp curves) / Tape guide	G39/Q141
2-needle imitation safety stitch	512	12			Blind stitch hemming attachment	L121
2-needle overlock	514	14			Swing-type gathering device (interlocked with pedal / for safety stitch machine)	S159
2-needle safety stitch	516	16			Swing-type gathering device (manual-lever operated / for safety stitch machine)	S161
3-needle safety stitch	43	43			Swing-type gathering device (manual-lever operated / for overlock machine)	S162
2-needle double chain stitch	45	45			Clean finish top and bottom	N077

MO-67 S /

Needle gauge (mm)	Overredging width (mm)	Feed dog	Code
—	1.6	2-row	0A4
—	1.6	1-row	0A5
—	3.2	2-row	0D4
—	3.2	3-row	0D6
—	4.0	2-row	0E4
—	4.0	3-row	0E6
—	4.8	2-row	0F4
—	4.8	3-row	0F6
2.0	3.2	2-row	BD4
2.0	3.2	3-row	BD6
2.0	4.0	2-row	BE4
2.0	4.0	3-row	BE6
2.0	4.0	4-row	BE7
2.4	4.0	2-row	CE4
3.2	3.2	3-row	DD6
3.2	4.0	2-row	DE4
3.2	4.0	3-row	DE6
3.2	4.8	3-row	DF6
4.0	3.2	2-row	ED4
4.8	4.8	3-row	FF6
4.8	6.4	3-row	FH6
4.8+2.0	3.2	3-row	1D6

Material	Application	Special machine	Code	
Extra light- to light-weight	Light-weight materials such as mens shirts	Rolled hemming	Standard	150
		Specific to knits	Runstitching	Upper looper extra high throw
Light- to medium-weight	For general fabrics	Runstitching	Standard	300
		Runstitching	Upper looper high throw	307
		Gathering	Upper looper high throw	327
		Rolling-in tape	Standard	360
		Soft-chain	Standard	3F0
Medium- to heavy-weight	Specific to knits such as sweaters	Soft-chain	Throat plate and feed dog both provided with a lip	3F6
		Runstitching	Upper looper extra high throw	40H
		Blind hemming	Upper looper extra high throw	41H
	Medium- to heavy-weight materials such as denim	Gathering	Upper looper extra high throw	42H
		Tape attaching	Upper looper extra high throw	44H
		Soft-chain	Upper looper extra high throw	4FH
		Runstitching	Standard	500
		Runstitching	Upper looper high throw	507
		Runstitching	Swim suits	50F
For heavy-weight materials	Runstitching	Upper looper extra high throw	50H	
	Runstitching	Upper looper extra high throw	60H	

● To order, please contact your nearest JUKI distributor.



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* Specifications and appearances are subject to change without prior notice for improvement.
 * Read the instruction manual before using the machine, not only to ensure safety,
 * This catalog is printed on recycle paper.