

**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.*

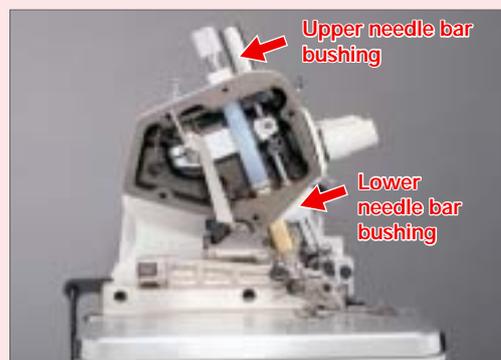
Since the machine comes with a needle-thread take-up mechanism as well as a looper thread take-up mechanism, to offer upgraded responsiveness from light- to heavy-weight materials with a lower applied tension, it achieves well-tensed soft-feeling seams that flexibly correspond to the elasticity of the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



- *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 offers improved responsiveness to materials and provides the operator with upgraded operability, and by the reduction of operating noise and vibration, which has been achieved by designing an optimally balanced machine.



- *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

 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 (rpm)	Remarks
--	--	--	--	--	--	--	--	---	--	--	--	--	---------

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

● For blind hemming

L121: Blind stitch hemming attachment



	MO-6705S-0D4-210/ L121	L ~ M	1	3	-	3.2	2	4	1:0.7 ~ 1:2	5.5	DC x 27 #9	7,000	Upper looper extra high throw type
	MO-6705S-0E4-41H/ L121	M ~ H	1	3	-	4.0	2	4	1:0.7 ~ 1:2	5.5	DC x 27 #9	7,000	

● For rolled hemming (folded downward)



	MO-6704S-0A4-150	EL ~ L	1	3	-	1.6	2	4	1:0.7 ~ 1:2	5	DC x 1 #8	7,000	
	MO-6704S-0A5-150		1	3	-	1.6	1	4	1:0.7 ~ 1:2	5	DC x 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 x 27 #11	7,000	
	MO-6714S-BE4-307		2	4	2.0	4.0	2	4	1:0.7 ~ 1:2	6.5	DC x 27 #11	7,000	
	MO-6714S-BD6-307		2	4	2.0	3.2	3	4	1:0.7 ~ 1:2	6.5	DC x 27 #11	7,000	
	MO-6714S-BE6-307		2	4	2.0	4.0	3	4	1:0.7 ~ 1:2	6.5	DC x 27 #11	7,000	
	MO-6714S-BE6-20H		2	4	2.0	4.0	3	4	1:0.7 ~ 1:2	6.5	DC x 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 x 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 x 27 #11	7,000	
	MO-6712S-CE4-40H		2	4	2.4	4.0	2	4	1:0.7 ~ 1:2	6.5	DC x 27 #11	7,000	For imitation safety-stitching
	MO-6712S-DF6-507		2	4	3.2	4.8	3	4	1:0.7 ~ 1:2	6.5	DC x 27 #14	7,000	
	MO-6712S-DF6-50F		2	4	3.2	4.8	3	4	1:0.7 ~ 1:2	6.5	DC x 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 x 27 #11	7,000	
---	---------------------------	-------	---	---	-----	-----	---	-----	---------------	---	-------------	-------	--

● 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 x 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 x 27 #14	7,000	

Seams	Model No.	Materials	Number of needles	Number of threads	Needle gauge (mm)	Overredging width (mm)	Number of feed dog rows	Stitch length (mm)	Bottom differential-feed ratio	Presser lifting amount (mm)	Needle system	Max. sewing speed (rpm)	Remarks
-------	-----------	-----------	-------------------	-------------------	-------------------	------------------------	-------------------------	--------------------	--------------------------------	-----------------------------	---------------	-------------------------	---------

### < 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 x 27 #11	7,000		
	MO-6716S-DD6-3F0		2	5	3.2	3.2	3	4	1:0.7 ~ 1:2	7	DC x 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 x 27 #11	7,000		
	MO-6716S-DE6-300		2	5	3.2	4.0	3	4	1:0.7 ~ 1:2	7	DC x 27 #11	7,000		
	MO-6716S-FF6-300		2	5	4.8	4.8	3	4	1:0.7 ~ 1:2	7	DC x 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 x 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 x 27 #11	7,000		
	MO-6716S-DE6-40H		2	5	3.2	4.0	3	4	1:0.7 ~ 1:2	7	DC x 27 #11	7,000		
	MO-6716S-FF6-40H		2	5	4.8	4.8	3	4	1:0.7 ~ 1:2	7	DC x 27 #11	7,000		
	MO-6716S-DD6-500		2	5	3.2	3.2	3	4	1:0.7 ~ 1:2	7	DC x 27 #16	7,000		
	MO-6716S-FF6-500		2	5	4.8	4.8	3	4	1:0.7 ~ 1:2	7	DC x 27 #16	7,000		
	MO-6716S-FF6-50H		2	5	4.8	4.8	3	4	1:0.7 ~ 1:2	6.5	DC x 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 x 27 #16	7,000		
	MO-6716S-FF6-60H		H	2	5	4.8	4.8	3	4.5	1:0.9 ~ 1:1.7	5	DC x 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 x 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 x 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 x 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 x 27 #14	7,000	2-needle type for double-chainstitch on pocket bags
--	-----------------------	-------	---	---	-----	-----	---	---	-------------	---	-------------	-------	---

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

## 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)

# MO-6700S Series

## DEVICES AND ATTACHMENTS

Model	Part No.	Description
<b>● Chain-off thread trimming device</b>		
T039	MAT-039001A0	One-touch type tape cutter and chain-off thread trimming device (electromagnetic type)
	MAT-039002A0	For 110, 115, 220, 240V For 220, 380, 415, 440V
T040	MAT-040001A0	Automatic tape cutter + chain-off thread trimming device (number-off-stitch control and electromagnetic type)
	MAT-040002A0	
	MAT-040001AA	For fully-sunken type
	MAT-040002AA	
T041	MAT-041000A0A	Pneumatic flat cutter
T042	MAT-042000A0	Pneumatic side cutter (for overlock machine)

### ● Blower-type chain-off thread suction device

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

### ● 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 air regulator.  
Please purchase the following components when you need to regulate air pressure.

	PF-0552010-B0	Air regulator (F.R. unit asm.)
	GMD-01080000 × 2	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

AK32	GAK-320000A0	Pneumatic type (knee-operated)
AK49	GAK-490000A0	Pneumatic type (pedal-operated)
AK101	GAK-A01000A0	Pneumatic type (for servomotor)

Model	Part No.	Description	Feature
-------	----------	-------------	---------

### ● Gathering device

S159	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, 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.
S160	MAS-160000A0	Swing-type gathering device (interlocked with pedal / for overlock machine)	
S161	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. The attachment can be opened/closed by using the lever (manually operated). The differential-feed ratio is controlled with the knee lever.
S162	MAS-162000A0	Swing-type gathering device (manual-lever operated / for overlock machine)	

### ● Blind hemming device

L121	MAL-121000A0	Blind stitch hemming attachment	A ruler used for blind hemming in knits
------	--------------	---------------------------------	---

### ● Piping folder

M056	MAM-0560J0A0	Piping folder	This piping folder makes a piping first, then turns up the tape.
M075	MAM-0750J0A0	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-0760N0A0	Ready-made piping folder	The dimension of ready-made tapes can be adjusted within the range of 8 to 13mm.
M077	MAM-0770M0A0	Piping folder for gathering	The attachment makes gathers on the lower fabric while making decorative piping.

### ● Guide, Ruler

H153	MAH-153000A0	Cloth edge guide ruler (for overlock machine)	A swing type edge guide.
H154	MAH-154000A0	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.

### ● Feller, Binder

K006	MAK-00601000	Upturn feller	This feller is exclusively used with the 3C0 throat plate. It is attached on the throat plate.
N067	MAN-0670D0A0	Reinforcement tape attachment binder (finished width: 4mm)	This binder binds the edge of a pocket bag while cutting round its periphery.

### ● Miscellaneous

	131-62557	Needle cooler unit asm.	For overlock machine	Needle cooler By silicon oil lubricating unit for the needle thread.	
	SS-4091015SP	Screw			
	WP-0371026SD	Washer			
	SS-7110840SP	Screw			
	131-63159	Needle cooler unit asm.			For safety stitsch machine
	SS-4091015SP	Screw			
WP-0371026SD	Washer				
	131-63902	Presser	Needle thread heat remover By silicon oil lubricating unit for the needle thread.		
	131-63456	Silicon tank asm.			
	131-63803	Felt			
	TA-0950806R0	Rubber plug			
	SM-4040855SP	Screw			

### [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 AK101 (JUKI servomotor)
		MC-8 AK101 (JUKI servomotor)
		MC-9 (MC-9 is equipped with auto-lifter.)
T040	+	MC-7A AK32 (any motor will do)
		MC-5 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.)
		AK101 (JUKI servomotor)
		MC-4
		MC-8 AK101 (JUKI servomotor)
		MC-9 (MC-9 is equipped with auto-lifter.)

