

# Semi-dry-head, High-speed, Overlock / Safety Stitch Machine





# MO-6700D Series

## JUKI's dry-head technology eliminates oil stains on the sewing product.

MO-6100D Series is the world's first complete dry-head overlock machine. This cutting-edge dry-head technology has been introduced to the MO-6700S, which has an established reputation for its excellent seam quality and higher productivity. Only the parts which mainly contribute to oil splashes are improved to have dry mechanisms. This reduces cost and makes a practical dry-head machine, the MO-6700D Series.

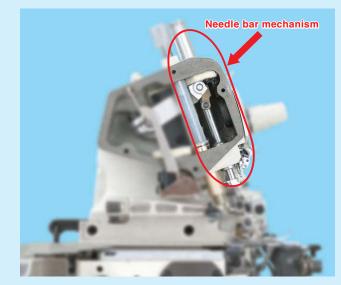


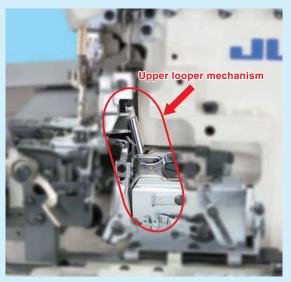
## Oil stains on the sewing product are eliminated.

- Oil splashes are substantially reduced to eliminate oil stains on sewing products, thereby upgrading the finished quality.
- •The frequency of stain removal or re-sewing is reduced.
- The machine achieves a practical maximum sewing speed of 6,000rpm.

## Cutting-edge dry technology for achieving a lubrication-free mechanism.

- The needle bar mechanism and upper looper mechanism have been re-designed to require no lubrication.
- •The most-advanced dry technologies, such as the special surface treatment applied to the major drive unit and the grease feeding method, contribute to higher durability. The machine does not splash oil after a long-period of use.





## SUBCLASS MACHINE LIST

A variety of subclass machines is available.

Needle system

Max. sewing speed (rpm) Remarks

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Bottom lifferentialfeed ratio lifting amount (mm)



### <1-needle overlock>

#### For runstitching in general fabric

	MO-6704D-0E4-300		1	3	—	4.0	2	4	1:0.7~1:2	7	DC×27 #11	6,000	
	MO-6704D-0E4-307	L~M	1	3	—	4.0	2	4	1:0.7~1:2	7	DC×27 #11	6,000	Upper looper
$\square$	MO-6704D-0F4-307		1	3	_	4.8	2	4	1:0.7~1:2	7	DC×27 #11	6,000	high throw type
~	MO-6704D-0E4-40H	M 11	1	3	_	4.0	2	4	1:0.7~1:2	7	DC×27 #11	6,000	Upper looper extra
	MO-6704D-0F6-50H	M~H	1	3	—	4.8	3	4	1:0.7~1:2	7	DC×27 #14	6,000	high throw type

Number of feed dog

Stitch length (mm)

Needle

gauge (mm) Overedging width (mm)

#### ● For blind hemming ★L121: Blind stitch hemming attachment

#### For rolled hemming (folded downward)

MO-6704D-0A4-150	<b>F</b> 1 1	1	3	_	1.6	2	4	1:0.7~1:2	5	DC×1 #8	6,000	
MO-6704D-0A5-150	EL~L	1	3	—	1.6	1	4	1:0.7~1:2	5	DC×1 #8	6,000	

## <2-needle overlock>

#### • For runstitching in general fabric

MO-6714D-BE6-307	L∼M	2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	6,000	Upper looper high throw type
MO-6714D-BE6-40H	M~H	2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	6,000	Upper looper extra high throw type
MO-6712D-DF6-50F		2	4	3.2	4.8	3	4	1:0.7~1:2	6.5	DC×27 #14	6,000	
MO-6714D-BB6-30P		2	4	2.0	2.0	3	4	1:0.7~1:2	6.5	DC×27 #11	6,000	
MO-6714D-BD6-30P	L~M	2	4	2.0	3.2	3	4	1:0.7~1:2	6.5	DC×27 #11	6,000	Anti-material-slip
MO-6714D-BE6-30P		2	4	2.0	4.0	3	4	1:0.7~1:2	6.5	DC×27 #11	6,000	

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

#### ● For tape attaching ★G39: Tape attaching presser foot ★Q141: Tape guide

	MO-6714D-BD6-347/ G39/Q141		2	4	2.0	3.2	3	3.2	1:0.9~1:2.6	7	DC×27 #11	6,000	Upper looper
	MO-6714D-BE6-347/ G39/Q141		2	4	2.0	4.0	3	3.2	1:0.9~1:2.6	7	DC×27 #11	6,000	high throw type
S	MO-6714D-BD6-34H/ G39/Q141	М∼Н	2	4	2.0	3.2	3	3.2	1:0.9~1:2.6	7	DC×27 #11	6,000	
	MO-6714D-BE6-34H/ G39/Q141		2	4	2.0	4.0	3	3.2	1:0.9~1:2.6	7	DC×27 #11	6,000	Upper looper extra high throw type
	MO-6714D-BE6-44H/ G39/Q141		2	4	2.0	4.0	3	3.2	1:0.9~1:2.6	7	DC×27 #14	6,000	



 Blind hemming MO-6705D-0D4-210/L121 (L121: Blind stitch hemming attachment)



 Gathering MO-6714D-BE6-327/S162 (S162: Swing-type gathering device, manual-lever operated)



Rolling in tape MO-6745D-FF4-360/N077 (N077: Clean finish top and bottom)



#### <Safety stitching>

● For runstitching in general fabric ★E35: Latch for changing overedging width

Number of

Materials

Number

of

threads

Needle gauge (mm)

Overedging width (mm)

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	MO-6716D-DE4-300		2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	6,000	
	MO-6716D-DE6-307	L~M	2	5	3.2	4.0	3	4	1:0.7~1:2	7	DC×27 #11	6,000	Upper looper
	MO-6716D-DF4-307		2	5	3.2	4.8	2	4	1:0.7~1:2	7	DC×27 #11	6,000	high throw type
	MO-6716D-DE4-40H		2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	6,000	
	MO-6716D-DE4-40H/ E35		2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	6,000	Upper looper extra high throw type
	MO-6716D-DE6-40H		2	5	3.2	4.0	3	4	1:0.7~1:2	7	DC×27 #11	6,000	
-	MO-6716D-FF6-307	M~H	2	5	4.8	4.8	3	4	1:0.7~1:2	7	DC×27 #11	6,000	Upper looper high throw type
	MO-6716D-FF6-40H		2	5	4.8	4.8	3	4	1:0.7~1:2	7	DC×27 #11	6,000	
	MO-6716D-FF6-50H		2	5	4.8	4.8	3	4	1:0.7~1:2	6.5	DC×27 #16	6,000	Upper looper extra high throw type
	MO-6716D-FH6-50H		2	5	4.8	6.4	3	4	1:0.7~1:2	6.5	DC×27 #16	6,000	ngn anow type
	MO-6716D-DE4-30P	L~M	2	5	3.2	4.0	2	4	1:0.7~1:2	7	DC×27 #11	6,000	Anti-material-slip
	MO-6716D-FF4-30P		2	5	4.8	4.8	2	4	1:0.7~1:2	7	DC×27 #11	6,000	

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Number

feed dog

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Stitch

length (mm)

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Bottom lifferential-feed ratio

diffe

Presser lifting amount (mm)

Needle system

#### ● For gathering ★S159: Swing-type gathering device (interlocked with pedal)

	MO-6716D-FF6-42H/ S159	M~H	2	5	4.8	4.8	3	3.2	1:0.9~1:2.6	6	DC×27 #14	6,000	Upper looper extra high throw type
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#### ● For rolling-in tape ★N077: Clean finish top and bottom

	MO-6745D-FF4-360/ N077	L~M	2	4	4.8	4.8	2	4	1:0.7~1:2	5	DC×27 #11	6,000	2-needle type for double-chainstitch on pocket bags
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#### 3-needle safety stitching

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

## Anti-material-slip type

The sewing machine is fully equipped with adjusting devices and provisions to effectively prevent puckering of difficult-to-sew materials or new-generation materials. The operator is able to produce beautifully finished highquality seams without conducting difficult adjustments.

- The locus of feed and feed timing are selected to offer optimum conditions for sewing light-weight materials.
- •The machine comes as standard with a low-pressure presser foot that is exclusively designed for lightweight materials and is able to remarkably handle small curves of the material. The presser foot helps the operator control lighter-weight material smoothly on the machine.

#### MO-6714D--30P *MO-6716D--30P*

Max.

sewing

Remarks

The feed mechanism feeds double chainstitch looper thread with consistency, even under a low tension. (Safety stitch machine)



## MO-6700D Series DEVICES AND ATTACHMENTS

\*Existing devices, attachments and gauges for the conventional MO-6000 Series are applicable to the MO-6700D Series.

Model	Part No.	Des	cription
Cha	in-off thread trir	nming device	
T039	MAT-039001A0	One-touch type tape c	utter and chain-off thread
1039	MAT-039002A0	trimming device (electr	omagnetic type)
T040	MAT-040001A0	For semi-sunken type	Automatic tape cutter + chain-off thread trimming device (number-off-stitch
1040	MAT-040001AA	For fully-sunken type	control and electro- magnetic type)
T041S	MAT-041000A0A	Pneumatic flat cutter	
T042S	MAT-042000A0	Pneumatic side cutter	(for overlock machine)

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						

A	AK32	GAK-320000A0	00A0 Pneumatic type (knee-operated)	
A	AK49	GAK-490000A0	Pneumatic type (pedal-operated)	
A	AK101 GAK-A01000A0		Pneumatic type (for servomotor)	

#### [Reference]

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

trimming device	+	thread suction device	Auto-lifter	
T039		MC-8	AK101 (JUKI servomotor)	
1039		MC-9	<ul> <li>(MC-9 is equipped with auto-lifter.)</li> </ul>	
T040	+	MC-5	AK32 (any motor will do)	
1040		MC-24	AK32 (any motor will do)	
T041S		MC-4	-	
or	+	MC-8	AK101 (JUKI servomotor)	
T042S		MC-9	- (MC-9 is equipped with auto-lifter.)	

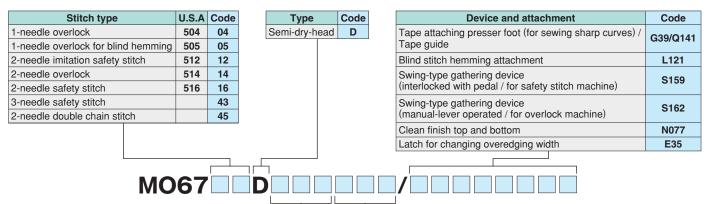
AKTUT	GAK-AUTUUUAU	Priedmatic type (for servornotor)				
Model	Part No.	Descr	iption	Feature		
Gat	hering device	1				
S159	MAS-159000A0	Swing-type gathering dev (interlocked with pedal / for		The attachment opens with the presser foot pedal. This facilitates material setting on the machine. Furthermore, knee-control type differential-feed		
S160	MAS-160000A0	Swing-type gathering dev (interlocked with pedal / fe	or overlock machine)	adjusting device is built in the attachment. It controls a differential-feed ratio as desired, thereby enabling the operator to make beautiful gathers.		
S161	MAS-161000A0	Swing-type gathering dev (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.		
S162	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.		
Blin	d hemming dev	ice				
L121	MAL-121000A0	Blind stitch hemming atta	achment	A ruler used for blind hemming in knits		
Pipi	ng 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 folde	er	The dimension of ready-made tapes can be adjusted within the range of 8 to 13mm		
Gui	de, Ruler	1		1		
H153	MAH-153000A0	Cloth edge guide ruler (f	or overlock machine)			
H154	MAH-154000A0	Cloth edge guide ruler (f		A swing type edge guide.		
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.		
Fell	er, 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.		
N077	MAN-0770E0A0	Clean finish top and bott	om (finished width: 5mm)	This binder runstitches a pocket bag and binding its periphery with tape simultaneously.		
Mise	cellaneous	l l				
	131-62557	Needle cooler unit asm.				
	SS-4091015SP	Screw				
	WP-0371026SD	Washer	For overlock machine			
_	SS-7110840SP	Screw		Needle cooler		
	131-63159	Needle cooler unit asm.		By silicon oil lubricationg unit for the needle thread.		
	SS-4091015SP	Screw	For safety stitsch machine			
	WP-0371026SD	Washer				
	131-63902	Presser				
	131-63456			-		
_	131-63803	Felt		Needle thread heat remover     Dy alloan ail lubricating unit for the people thread		
	TA-0950806R0	Rubber plug		By silicon oil lubricating unit for the needle thread.		
	SM-4040855SP	Screw				

## SPECIFICATIONS

Model name	MO-6704D	MO-6714D	MO-6716D	
Stitch type	1-needle overlock	2-needle overlock	Safety stitching	
Stitch style in the U.S.A.	504	514	516	
Max. sewing speed	6,000rpm			
Stitch length	0.8~	4mm	1.5~4mm	
Needle gauge (mm)	_	2.0, 3.2	3.2, 4.8, 4.8+2.0, 3.2+2.0	
Overedging width (mm)	1.6, 3.2, 4.0, 4.8	2.0, 3.2, 4.0, 4.8	3.2, 4.0, 4.8, 6.4	
Bottom differential feed ratio	For gathering	g 1:2 (Max. 1:4), For stretching 1:0.7	(Max. 1:0.6)	
Needle bar stroke	24.5mm			
nclination angle of the needle		20 <sup>°</sup>		
Needle mechanism	Nee	dle bar method and upper/lower bus	hing	
Needle	DC×27 (excluding some subclass model)			
Max. lift of the presser foot	7	1)		
Max. presser foot pressure	49N (5kg)			
Stitch adjusting method	By push-button			
Differential-feed adjusting method	By lever (with micro-adjustment)			
Weight of the machine head	28kg			
Lubrication	Automatic			
Lubrication	The needle bar mechanism and upper looper mechanism do not require lubrication.			
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)			
Needle cooler		Option		
Needle thread heat remover	edle thread heat remover Option			
Micro-lifter	Provided as standard			

## WHEN YOU PLACE ORDERS

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



Needle gauge (mm)	Overedging width (mm)	Feed dog	Code
—	1.6	2-row	0A4
—	1.6	1-row	0A5
—	3.2	2-row	0D4
—	4.0	2-row	0E4
_	4.8	3-row	0F6
2.0	2.0	3-row	BB6
2.0	3.2	3-row	BD6
2.0	4.0	3-row	BE6
3.2	4.0	2-row	DE4
3.2	4.0	3-row	DE6
3.2	4.8	2-row	DF4
4.8	4.8	2-row	FF4
4.8	4.8	3-row	FF6
4.8	6.4	3-row	FH6
4.8+2.0	3.2	3-row	1D6
3.2+2.0	3.2	3-row	2D6

	Material	Application	Special machine	Code
Extra light- to light-weight	Light-weight materials such as men s shirts	Rolled hemming	Standard	150
Light- to medium-weight	Specific to knits	Blind hemming	Standard	210
		Runstitching	Standard	300
	For general fabrics	Runstitching	Upper looper high throw	307
Lindat ta		Gathering	Upper looper high throw	327
Light- to medium-weight		Tape attaching	Upper looper high throw	347
mediam weight		Tape attaching	Upper looper extra high throw	34H
		Rolling-in tape	Standard	360
		Runstitching	Anti-material-slip	30P
	Crestifie to krite such as	Runstitching	Upper looper extra high throw	40H
Maalloura ta	Specific to knits such as sweaters	Gathering	Upper looper extra high throw	42H
Medium- to heavy-weight		Tape attaching	Upper looper extra high throw	44H
nour, woight	Medium- to heavy-weight	Runstitching	Swim suits	50F
	materials such as denim	Runstitching	Upper looper extra high throw	50H

To order, please contact your nearest JUKI distributor.



8-2-1, KOKURYO-CHO, CHOFU-SHI, TOKYO 182-8655, JAPAN PHONE : (81) 3-3480-2357, 2358 FAX : (81) 3-3430-4909 http://www.juki.com

\* 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.



#### JUKI CORPORATION HEAD OFFICE

and c he 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

design of the products in mixed the energy and resources, and the recyc considered, in the energy and resources, and the recyc in the research, development, design, distribution, sale and maintenance service of the industrial sewing machines, household sewing machines and industrial-user chocts, etc. and in the sale and maintenance service of the data entry sy and in the purchase, distribution and sale of the household commodities including the healthcare products.