

High-speed, Flat-bed,
Top and Bottom Coverstitch Machine

JUKI®

MF-7700 series

MF-7722 (2-needle, top and bottom coverstitch machine)

MF-7723 (3-needle, top and bottom coverstitch machine)

MF-7723U10B56



MF-7723C10B56



MF-7723U10B56



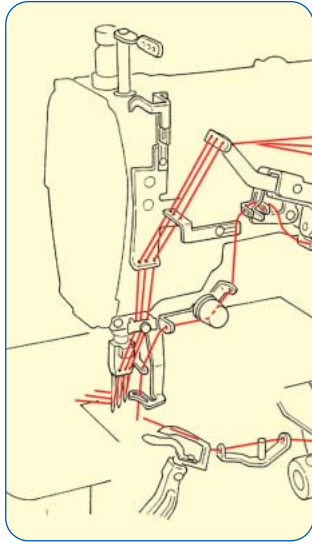
MF-7723C10B56

MF-7700 series

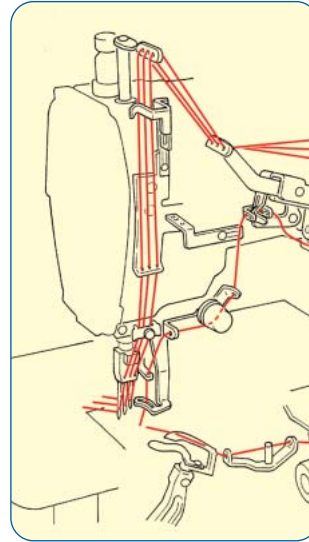
Since the seam tension may be easily increased or decreased, the machine can be used for a broader range of applications.

Seams can be adjusted depending on the application or material by changing the thread path or adjusting the thread tension controller, to produce soft and low-tensed seams for inner wear or to produce high-grade well-tensed seams for outer wear.

Soft-seam



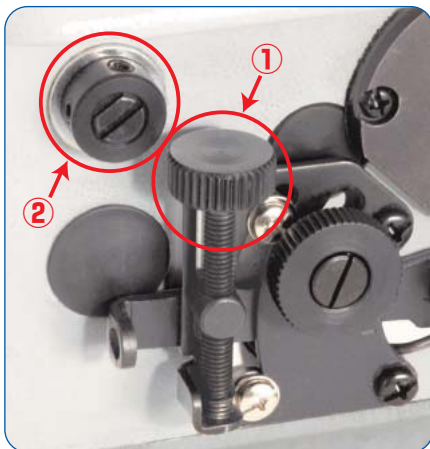
Well-tensed seam



Optimization of the thread take-up mechanism and top covering thread path route

The optimized thread take-up mechanism and top covering thread path route contribute to an increased stability of top covering stitches. In addition, the machine is capable of performing sewing with a low tension applied to the thread to offer improved responsiveness to the sewing thread.

The machine comes provided with various functions.



① Differential-feed micro-adjustment mechanism

The differential-feed amount can be easily adjusted to the best suited value for the material to be used. Since the front and rear feed dogs are synchronized, the differential-feed ratio is constant, requiring no additional adjustment, even when the stitch length is changed.

② Feed dog inclination adjustment mechanism

Adjustment of the feed dog inclination can be carried out from outside with ease. The feed dog inclination adjustment mechanism works effectively to secure the material being sewn in place with increased reliability and thereby preventing uneven material feed and puckering.

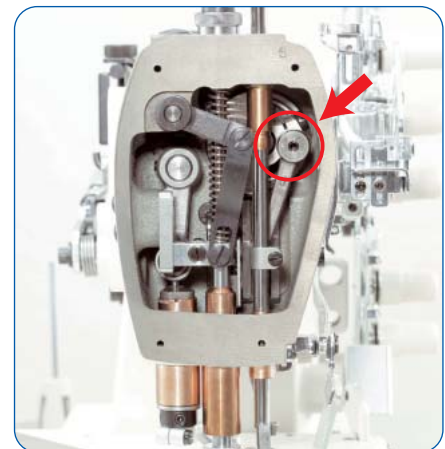


Micro-lifter mechanism

The micro-lifter keeps the presser foot in a slightly raised position during sewing to help prevent problems such as slippage and deformation, or damages that can easily occur when sewing elastic materials.

Looper thread twining prevention mechanism

The looper thread cam comes provided with a thread twining prevention mechanism. Even if the thread twines around the looper thread cam, the cam can be easily detached for removal of the thread.



Needle bar stroke conversion mechanism

The needle bar stroke can be increased by changing the position of the eccentric pin to smoothly sew heavy-weight materials. The troublesome replacement of parts, which is conventionally associated with needle-bar-stroke changing work, is no longer required.

(standard setting at the time of delivery: 31mm,
for sewing heavy-weight materials: 33mm)

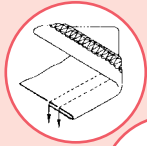
The machine operates with reduced vibration and noise, promising comfortable sewing.

The well-balanced design of the machine achieves low-vibration and low-noise operation even under the high-speed mode.

This enables the operator to concentrate on sewing work in a more comfortable environment.

U10 (universal type)

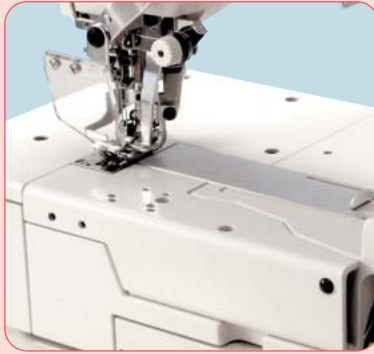
This basic model can be used in a broad range of processes including sleeve-/bottom-hemming for T-shirts and coverings for sportswear and knitwear.



T-shirt

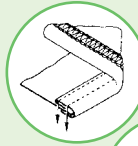


Knitwear



C10 (for collarettte attaching)

This model is best suited for attaching collarettes on underwear, briefs and knitwear.



Under wear



Briefs



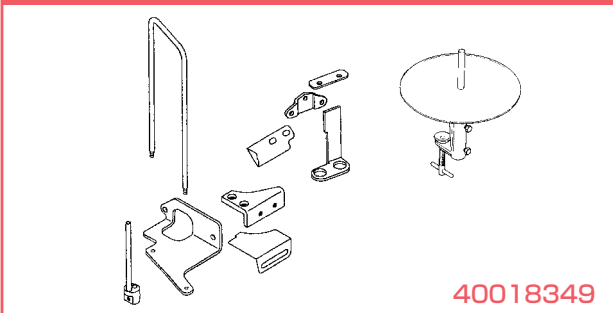
Specifications changing between the U10 and C10 can easily be carried out by replacing cover related parts and gauge components.

U10→C10 Interchangeable parts

Gauge components

Parts name	4.0mm	5.6mm	6.4mm
Needle clamp	13350103	13350301	13350400
Throat plate	13351408	13351606	13351705
Presser foot asm.	13376157	13376256	
Main feed dog	13353800	13353909	
Differential-feed dog	13357702	13357801	

Cover related parts



40018349

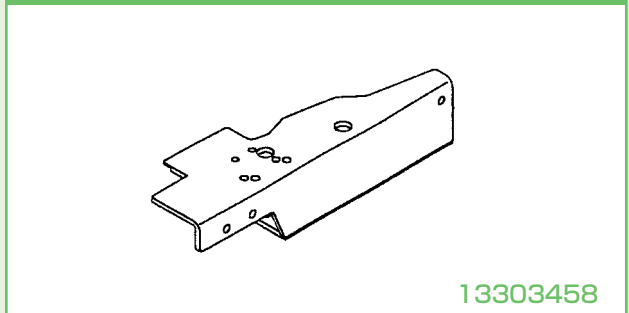
* The coverseam related assembly parts number does not include any attachment.

C10→U10 Interchangeable parts

Gauge components

Parts name	4.8mm	5.6mm	6.4mm
Needle clamp	13350202	13350301	13350400
Throat plate	13354709	13354808	13351200
Presser foot asm.	13376058	13375050	
Main feed dog	13354204		13353701
Differential-feed dog	13358304		13357603

Cover related parts



13303458

E10 (for elastic tape attaching with right hand fabric trimmer)

Designed for the sewing of elastic tapes in shorts and underwear. The right-hand fabric trimmer cuts the multi-layered part of joined section with outstanding consistency. Beautifully finished products are achieved with the seams and material edges aligned.



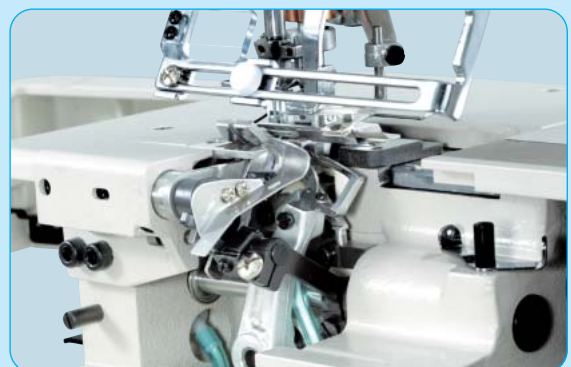
MF-7723E10B56/MD10

MD10 (mechanical type metering device)

- The metering device supplies a consistent length of tape in synchronization with the feed. (Tape lengths of 0.9 to 3.5mm per stitch.)
- Elastic tapes of up to 80mm in width can be used. The tape width can be easily adjusted. For laces width of which is 15 to 80mm, change the currently-mounted guide with a wider-tape guide which is supplied with the unit as an accessory.
- The drive roller/driven roller can be held in open to facilitate tape placement.

Right hand fabric trimmer mechanism

- Easy installation/removal of the entire unit facilitates the adjustment of related parts, such as the alignment of a looper.
- The machine can also be used for collarettte processes by removing the knife unit. (Replacement of the gauge and cover is required.)



Micro adjustment

Main adjustment

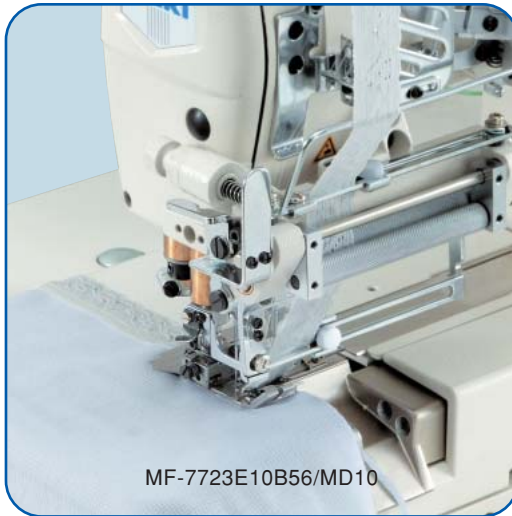
Adjustment of the tape feeding amount



LIST OF GAUGE COMPONENTS AND KNIVES

Model name	U10			C10			E10		
Needle gauge	4.8mm	5.6mm	6.4mm	4.0mm	5.6mm	6.4mm	4.0mm	5.6mm	6.4mm
Needle clamp	13350202	13350301	13350400	13350103	13350301	13350400	13350103	13350301	13350400
Throat plate	13354709	13354808	13351200	13351408	13351606	13351705	13356001	13356209	13356308
Presser foot asm.	13376058	13375050		13376157	13376256		40018288	40018289	
Main feed dog	13354204		13353701	13353800	13353909		13354006	13354105	
Differential-feed dog	13358304		13357603	13357702	13357801		13358106	13358205	
Moving knife	—	—	—	—	—	—	40016780		
Lower knife	—	—	—	—	—	—	13150701		

* Commercially available gauge components and knives can be used with no additional work.



DEVICE AND ATTACHMENT

UT33 (pneumatic top and bottom thread trimming device with auto-lifter)

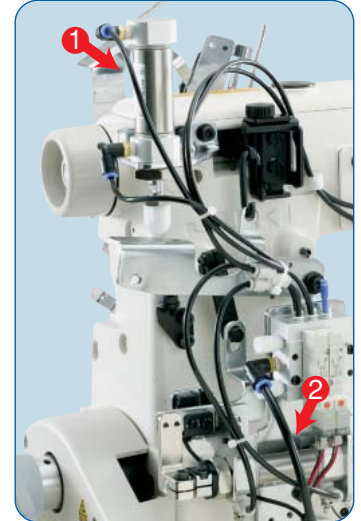
Since the automatic lift of the presser foot and automatic thread trimming can be activated by lightly depressing the pedal, work efficiency is dramatically increased.



MF-7723U10B56/UT33



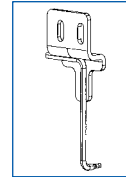
Pneumatic top and bottom thread trimming mechanism



① Presser lifter drive mechanism
② Thread trimmer drive mechanism

By using an air blow type needle thread wiper nozzle (included in the accessory box), the needle thread can be finished at the time of thread trimming for bottom coverstitch.

No.134-42058



TC13 (electromagnetic type tape cutter)










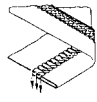
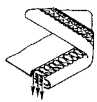

- Tape is cut by operating the knee switch. This increases work efficiency.
- The knife is able to cut lace and tape up to 40mm wide.
- The sharpness of the knife can be easily adjusted. In addition, the replacement of the moving knife and counter knife, as well as the adjustment of their mesh, can be carried out with ease.



TC13



MF-7723C10B56/TC13

MF-7700 SUBCLASS MACHINES	 Seams	 Model No.	 Number of needles	 Number of threads	 Needle gauge (mm)	 Stitch length* ¹ (mm)	 Differential-feed ratio	 Presser lifting amount* ² (mm)	 Max. sewing speed (rpm)
U10 Basic stitch (universal type)		MF-7723-U10-B48	3	5	4.8	1.2~3.6	1:0.7~1:2	5(8)	6,500
		MF-7723-U10-B56	3	5	5.6	1.2~3.6	1:0.7~1:2	5(8)	6,500
		MF-7723-U10-B64	3	5	6.4	1.2~3.6	1:0.7~1:2	5(8)	6,500
		MF-7723-U10-B56/UT33	3	5	5.6	1.2~3.6	1:0.7~1:2	5(8)	6,500* ³
		MF-7723-U10-B64/UT33	3	5	6.4	1.2~3.6	1:0.7~1:2	5(8)	6,500* ³
C10 Collarete attaching		MF-7722-C10-B40	2	4	4.0	1.2~3.6	1:0.6~1:1.1	5(8)	6,500
		MF-7723-C10-B56	3	5	5.6	1.2~3.6	1:0.6~1:1.1	5(8)	6,500
		MF-7723-C10-B64	3	5	6.4	1.2~3.6	1:0.6~1:1.1	5(8)	6,500
		MF-7722-C10-B40/TC13	2	4	4.0	1.2~3.6	1:0.6~1:1.1	5(8)	6,500
		MF-7723-C10-B56/TC13	3	5	5.6	1.2~3.6	1:0.6~1:1.1	5(8)	6,500
E10 For attaching elastic		MF-7722-E10-B40	2	4	4.0	1.2~3.6	1:0.7~1:1	3(6)	5,500
		MF-7723-E10-B56	3	5	5.6	1.2~3.6	1:0.7~1:1	3(6)	5,500
		MF-7723-E10-B64	3	5	6.4	1.2~3.6	1:0.7~1:1	3(6)	5,500
		MF-7722-E10-B40/MD10	2	4	4.0	1.2~3.6	1:0.7~1:1	3(6)	5,000
		MF-7723-E10-B56/MD10	3	5	5.6	1.2~3.6	1:0.7~1:1	3(6)	5,000
		MF-7723-E10-B64/MD10	3	5	6.4	1.2~3.6	1:0.7~1:1	3(6)	5,000
		MF-7722-E10-B40/MD10/TC13	2	4	4.0	1.2~3.6	1:0.7~1:1	3(6)	5,000
		MF-7723-E10-B56/MD10/TC13	3	5	5.6	1.2~3.6	1:0.7~1:1	3(6)	5,000
MF-7723-E10-B64/MD10/TC13	3	5	6.4	1.2~3.6	1:0.7~1:1	3(6)	5,000		

*1 Stitch length can be adjusted to 4.4mm at the maximum.

*2 The numeric value indicates the lifting amount of the presser foot for top and bottom coverstitch.

The numeric value given in parentheses indicates the lifting amount of the presser foot for bottom coverstitch.

*3 The maximum sewing speed is less than 5,500rpm when using SC-500/M50.

WHEN YOU PLACE ORDERS

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

[without automatic thread trimmer]

MF77□□□□□B□□/□□□□□/□□□□□□

Stitch type	Code	Application	Code	Tonque shape of throat plate	Code	Needle gauge	Code	Device and attachment	Code	Power supply for tape cutter	Code
2-needle, top and bottom coverstitch	22	For universal	U10	B type (standard)	B	4.0mm	40	Not provided		Not provided	
3-needle, top and bottom coverstitch	23	For collarette	C10			4.8mm	48	Mechanical type metering device	MD10*1	200~440V	A
		For attating elastic	E10			5.6mm	56	Electromagnetic type tape cutter	TC13*2	100~240V	B
						6.4mm	64				

* For model code 23 (3-needle), needle gauge code 40 cannot be selected.

* Code 40 cannot be selected when selecting U10, code 48 cannot be selected when selecting C10 and E10.

*1 Specify the MD10 when placing your order.

*2 The TC13 can be retrofitted to the machine.

* Select A or B when using TC13.

[with automatic thread trimmer]

MF7723U10B□□UT33

Stitch type	Code	Application	Code	Tonque shape of throat plate	Code	Needle gauge	Code	Device and attachment	Code
3-needle, top and bottom coverstitch	23	For universal	U10	B type (standard)	B	5.6mm	56	Pneumatic top and bottom thread trimming device	UT33
						6.4mm	64		

Control box / Motor

Thread trimming device	Control box / Motor	
	SC-500/M50	SC-510/M51
UT33	○	○

* The maximum sewing speed is less than 5,500rpm when using SC-500/M50.

* Select SC-510/M51 for the machines destined for the North America and South and Central America.

PSC box

SC500□F

PSC box				Code	Control box	Code
For General Export	Single-phase	200~240V	PFL	K	Standard	F
For EU(CE)	Single-phase	200~240V	PFL	N		
For China	Single-phase	200~240V	PFL	U		

Motor for SC

M50KQ41

Power supply			Code	Pulley belt			Code
Single-phase	200~240V	K		Applicable model	Motor pulley O.D.(mm)	Belt length (inch)	
				MF-7800/UT25	110	41	Q41

* Be sure to use the belt supplied with the machine head.

PSC box

SC510□S

PSC box				Code	Control box	Code
For JUS*(LA)	Single-phase	100~120V	PFL	S	Standard	S
For JUS*, General Export	3-phase	200~240V	PFL	D		
For General Export	Single-phase	200~240V	PFL	K		
For EU(CE)	Single-phase	200~240V	PFL	N		
For China	Single-phase	200~240V	PFL	U		

* JUS: North America and Central and South America.

● To order, please contact your nearest JUKI distributor.

Motor for SC

M51

Control box / Servomotor SC-510/M51



SPECIFICATIONS

Model name	MF-7723U10B□□	MF-7723U10B□□UT33	MF-7722C10B40	MF-7723C10B□□
Stitch type	3-needle top and bottom coverstitch		2-needle top and bottom coverstitch	3-needle top and bottom coverstitch
Max. sewing speed	6,500rpm*1			
Stitch length	1.2~3.6mm (stitch length can be adjusted to 4.4 mm)			
Differential-feed ratio (switchable)	1:0.7~1:2		1:0.6~1:1.1	
Needle gauge	4.8mm, 5.6mm, 6.4mm	5.6mm, 6.4mm	4.0mm	5.6mm, 6.4mm
Needle	UY128GAS #9S~#14S (standard #10S)			
Lift of the presser foot	5mm (with top and bottom coverstitch), 8mm (with bottom coverstitch)			
Stitch pitch adjustment	By dial			
Differential feed adjustment	By micro-adjustment mechanism			
Lubrication	Automatic			
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)			
Feed dog inclination adjustment	Provided as standard			
Micro-lifter	Provided as standard			
Needle bar stroke conversion mechanism*2	Provided as standard			
Silicon oil tank for needle tip and needle thread	Provided as standard			
Cartridge oil filter	Provided as standard			
Top and bottom thread trimmer	—	Provided as standard (pneumatic type)	—	—
Auto-lifter	—	Provided as standard (pneumatic type)	—	—
Compressed air and air consumption	—	Refer to following table*3	—	—
Weight of the machine head	46kg	49kg	46kg	46kg

*1 The maximum sewing speed is less than 5,500rpm when using SC-500/M50.

*2 Needle bar stroke (standard): 31mm at the time of delivery.

Needle bar stroke for heavy-weight materials is 33mm (Note that the maximum sewing speed is 5,500rpm).

*3 Compressed air / Air consumption (with automatic thread trimmer)

Device		Air consumption dm ³ /min(ANR)	Compressed air MPa
UT33	Air-blow type wiper		
○	—	0.7	0.5
○	○	182	

Model name	MF-7722E10B40	MF-7723E10B□□	MF-7722E10B40/MD10	MF-7723E10B□□/MD10
Stitch type	2-needle top and bottom coverstitch	3-needle top and bottom coverstitch	2-needle top and bottom coverstitch	3-needle top and bottom coverstitch
Max. sewing speed	5,500rpm		5,000rpm	
Stitch length	1.2~3.6mm (stitch length can be adjusted to 4.4mm)			
Differential-feed ratio (switchable)	1:0.7~1:1			
Needle gauge	4.0mm	5.6mm, 6.4mm	4.0mm	5.6mm, 6.4mm
Needle	UY128GAS #9S~#14S(standard #10S)			
Lift of the presser foot	3mm (with top and bottom coverstitch), 6mm (with bottom coverstitch)			
Knife stroke	5mm			
Stitch pitch adjustment	By dial			
Differential feed adjustment	By micro-adjustment mechanism			
Lubrication	Automatic			
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)			
Micro-lifter	Provided as standard			
Needle bar stroke conversion mechanism*	Provided as standard			
Silicon oil tank for needle tip and needle thread	Provided as standard			
Cartridge oil filter	Provided as standard			
Metering device	—	Mechanical type metering device: MD10 Provided as standard		
Weight of the machine head	46.5kg	49kg		

* Needle bar stroke (standard): 31mm at the time of delivery. Needle bar stroke for heavy-weight materials is 33mm.



JUKI CORPORATION HEAD OFFICE

The environmental management system to promote and conduct
 ①the technological and technical research, the development and design of the products in which the environmental impact is considered,
 ②the conservation of the energy and resources, and the recycling in the research, development, design, distribution, sale and maintenance service of the industrial sewing machines, household sewing machines and industrial-use robots, etc, and in the purchase, distribution and sale of the household commodities including the healthcare products.

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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 catalog is printed on recycle paper.