

GC0518-MC/GC0518-MC-D

High Speed Needle Bar Feed Lockstitcher With Edge Cutter And Automatic Thread Trimmer

Instruction Manual Parts Catalog

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1. PRECAUTIONS BEFORE STARTING OPERATION

1) Safety Precautions:

- (1) When turning the power on, keep your hands and fingers away from the area around/under the needle and the area around the balance wheel.
- (2) Power must be turned off when the machine is not in use, or when the operator leaves the seat.
- (3) Power must be turned off when tilting the machine head, installing or removing the "V" belt, adjusting the machine, or when replacing.
- (4) Avoid placing fingers, hairs, bars etc., near the balance wheel, "V" belt, bobbin winder balance wheel, or motor when the machine is in operation.
- (5) Do not insert fingers into the thread take-up cover, under/around the needle, or balance wheel when the machine is in operation.
- (6) If a belt cover, finger guard, eye guard are installed, do not operate the machine without these safety devices.

2) Precautions before Starting Operation:

- (1) If the machine's oil pan has an oil sump, never operate the machine before filling it.
- (2) If the machine is lubricated by a drop oiler, never operate the machine before lubricating.
- (3) When a new sewing machine is first turned on, verify the rotational direction of the balance wheel with the power on. (The balance wheel should rotate counter-clockwise when viewed from the balance wheel)
- (4) Verify the voltage and (single or three) phase with those given on the machine nameplate.

3) Precautions for Operating Conditions:

- (1) Avoid using the machine at abnormally high temperature (35°C or higher) or low temperature (5°C or lower) .
- (2) Avoid using the machine in dusty conditions.

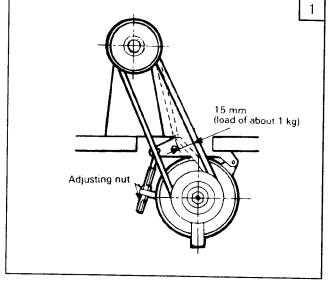
2. MAIN SPECIFICATIONS

Itei	n	GC0518-MC-D	GC0518-MC		
Mater		Light-Med	ium heavy		
Max.sewin		4500	rpm		
Stitch le		0-4	mm		
Needle bar		31.8	3nm		
	By hand	411	nın		
Presser	By knee	10mm			
Need	le	DP×1 #14			
Lubrica	ntion	Auto lu	bricated		
Auto tri	mmer	0			
Auto back	tracking	0			
		Auto lubrication hook	Auto lubrication hook		
Rotating hook		(Thread trimming)	Tuto idoileation no		
Motor		Speed adj. Motor	370W clutch motor		

3. INSTALLING THE BELT (Fig.1)

- 1) Use a V-belt for sewing machine use, type M
- 2) To adjust the belt tension, change the motor height by turning the tension adjust nuts so that the belt sinks about 15 mm when depressed by hand at the center of the belt span. If the tension is too low, the speed may not be consistent in the low or medium range, or the needle may not stop in the proper position. If the tension is too high, the motor bearings will deteriorate more rapidly.

4. ADJUSTMENT OF NEEDLE



BAR STOP POSITION (Fig. 2, 3)

1) Adjusting of "Up" position

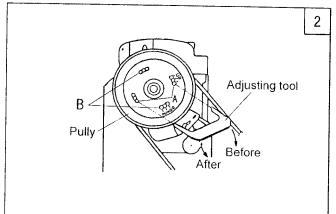
When the pedal is kicked down by heel, the machine stops at "UP" position. If the marks deviate larger than 3 mm adjust as follows:

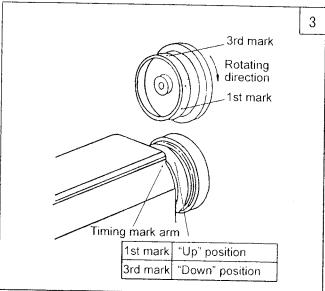
- (1) Disconnect the plug (12 pins) of cable from the machine head.
- (2) Run the machine and stop at "UP" position.
- (3) While holding the balance wheel insert the "adjusting tool" in the hole A, then remove the tool.

2) Adjusting of "DOWN" position

Set the machine stops at "DOWN" position. When the pedal is kicked down by hell, the machine stops as "DOWN" position. If the marks deviate larger than 3 mm adjust as follows:

- (1) Disconnect the plug (12 pins) of cable from the machine head.
- (2) Run the machine and stop at "DOWN" position.
- (3) While holding the balance wheel insert the "adjusting tool" in the hole B. then remove the tool.





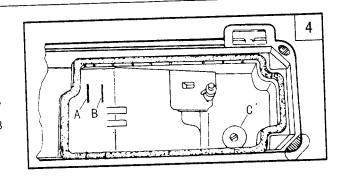
3) Confirm the stop operation then the plug (12 pins) coming from the machine head into the receptacle.

5. LUBRICATION (Fig.4)

Pour oil up to position A of the oil tank.

During operation, check the oil level periodically, and in cases where the oil level is below position B replenish the oil supply up to position A.

Use white spindle oil.



6. CONDITION OF OIL LUBRICATION (Fig.5)

While operating the machine, check the condition of oil lubrication through the oil check window.

7. LUBRICATION ADJUSTMENT

(Fig.6)

Adjusting the lubrication of rotating hook.

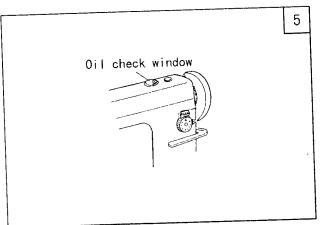
Oil adjusting screw (A) can adjust the lubrication of the rotating hook as follows:

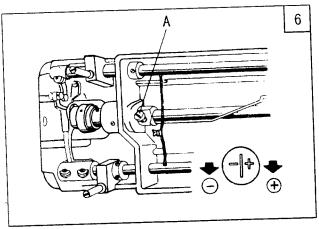
- (1) Turn oil adjusting screw (A) clockwise to increase oil and turn oil adjusting screw (A) counter-clockwise to decrease oil.
- (2) Oil adjusting screw (A) adjusts oil amount within 5 turns. When oil adjusting screw (A) is fully tightened, oil amount is maximum.
- (3) Readjustment depends on temperature, sewing speed and the like. In practice, oil amount can be judged as follows: remove the throat plate and place a piece of paper on instead, run the machine for about 20 seconds, then check the oil splashed on the paper.

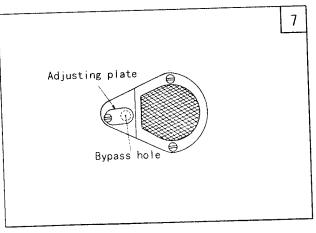
8. ADJUSTMENT OF OIL PUMP

(Fig.7)

The standard adjustment is as follows: The adjusting plate keeps the bypass hole fully closed. To decrease splashing, open the bypass hole appropriately.







9. REGULAR CLEANING (Fig.8)

1) Cleaning feed dog

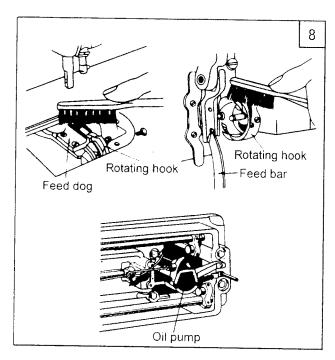
Remove the throat plate and clear off the dust and lint between feed dog tooth slots.

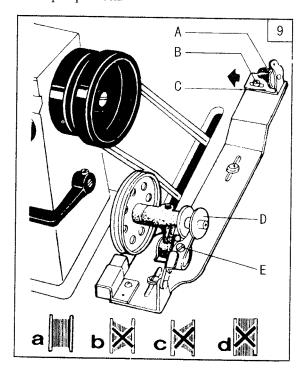
2) Cleaning rotating hook

Swing out the machine head and clean the hook. Wipe the bobbin case with soft cloth.

3) Cleaning oil pump, screen

Swing out the machine head and clear off the dust and dirt on oil pump screen.





10. WINDING ADJUSTMENT (Fig.9)

1) The wound bobbin thread should be neat and tight, if not, adjust the winding tension by turning tension stud nut (A) of bobbin winder tension bracket.

Note: nylon or polyester thread should be wound with little tension; otherwise, bobbin (D) might break or deform.

2) When the wound thread layer does not present a cylindrical shape as shown in Fig.9 (a), loosen set screw (B) of bobbin winder tension bracket and slide bracket (C) leftward or rightward. If thread is wound as shown in

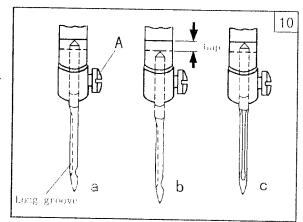
Fig.9 (b), move the bracket rightward, but if thread is wound as shown in Fig.9 (c), move the bracket leftward.

After adequately positioning the bracket, tighten set screw (B).

3) Do not overfill the bobbin. The optimum length of thread will fill about 80% of bobbin capacity. This can be adjusted by adjusting screw (E) of bobbin winder stop latch.

11. REPLACE NEEDLES (Fig.10)

Turn the balance wheel to lift needle bar to the upper



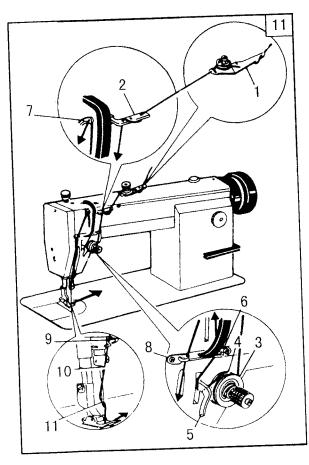
end of its stroke. Loosen needle clamp screw (A). While keeping the long groove of the needle leftward fully insert the needle shank up to the bottom of the needle socket. Then tighten needle clamp screw (A).

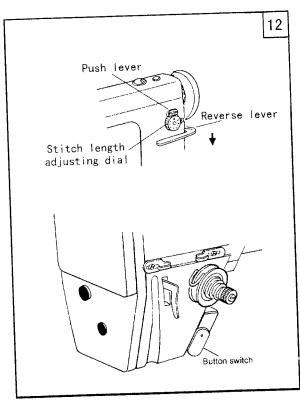
Note: Fig. (b): insufficient insertion.

Fig. (c): wrong direction of long groove.

12. THREADING (Fig.11)

To thread the needle thread, raise needle bar to the upper end of its stroke, lead the thread from spool and perform threading as shown in Fig.3. To draw the bobbin thread, hold the end of the needle thread and turn the balance wheel to lower the needle bar and then to lift it to its highest position. Pull the needle thread and the bobbin thread is drawn up. Put the ends of needle thread and bobbin thread frontward under presser foot.

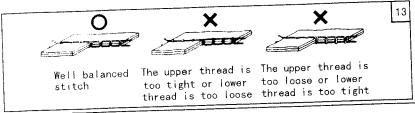




13. SET STITCH LENGTH AND REVERSE FEEDING (Fig. 12)

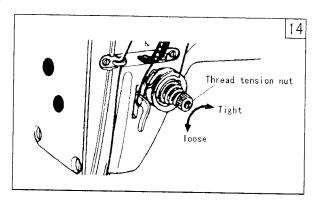
- 1) To change the stitch length, rotate the stitch length adjusting dial while pressing the push lever.
- 2) Pressing the reverse lever to reverse stitching.
- 3) The button switch can be pressed to perform reverse stitching.
- 4) Normally, set the button switch as illustrated by the solid lines. To reverse stitching, press the button switch.

14. ADJUSTING THE THREAD TENSION (Fig.13)



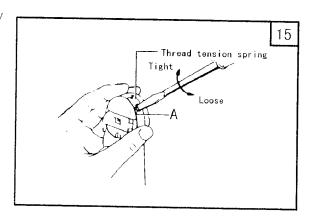
15. UPPER THREAD TENSION (Fig.14)

- 1) The upper thread can be adjusted based on the lower thread tension.
- 2) Adjustment can be done by rotating the thread tension nut. For special fabric sewing with special thread, the desired tension can be obtained by adjusting the strength and operating range of thread take-up spring.



16. LOWER THREAD TENSION (Fig.15)

1) The lower thread tension can be adjusted by rotating screw A.

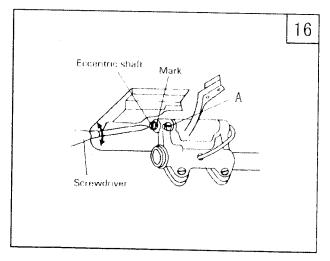


17. ADJUSTMENT OF FEED DOG INCLINATION (Fig.16)

The feed dog has been set to standard (horizontally). If necessary, adjust the inclination according to the material to be sewn as follows:

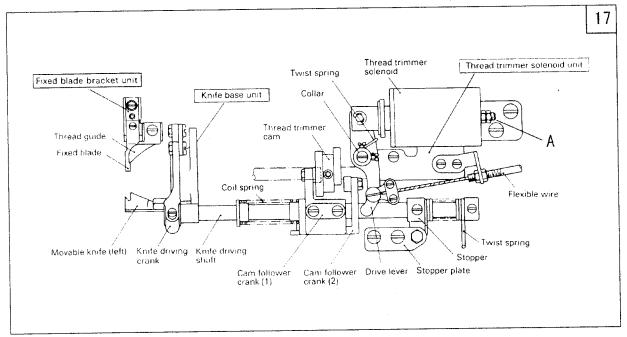
- 1) Slightly loosen screw A located in the feed rock shaft crank.
- 2) Using a screwdriver. While pressing the groove located in the eccentric shaft by using a screwdriver, rotate the eccentric shaft clockwise (to lift the front end) or counter-clockwise (to lower the rear end).
- 3) When adjustment is completed, tighten screw A.

Position of neccentri		Feed dog
109 -	Horizontal	Standard
Ð '	Up	Front up (MAX.)
().	Down	ront down (MAX.)

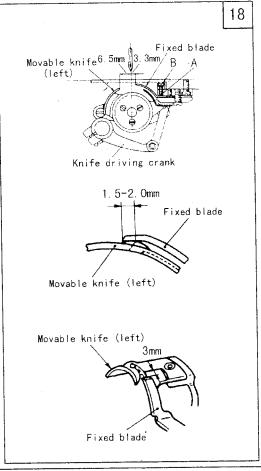


18. ADJUSTMENT OF THREAD TRIMMER MECHANISM

- Thread trimmer mechanism as shown Fig. 17
 Operation stroke of the thread trimmer solenoid
 - (1) Standard operation stroke is 6.0 mm.
 - (2) This stroke can be adjusted by using nut A.

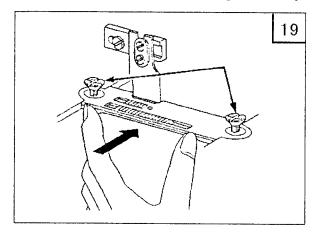


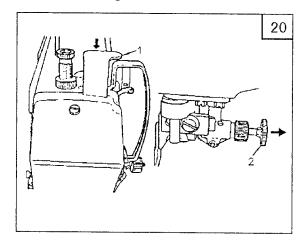
- 2) Adjustment of knife engagement (Fig.18)
 - (1) Position of movable knife (left) and fixed blade. See the illustration. The standard distances from the needle center are 6.5 mm and 3.3 mm from the movable knife (left) and fixed blade respectively.
 - (2) Adjustment of knife engagement. With the solenoid activated, turn on the machine. This rotates the thread trimming cam which rotates the movable knife (left). When the movable knife (left) has moved to its farthest distance, the standard engagement of the blade is 1.5-2.0 mm.
 - (3) Adjustment of knife engaging pressure. If a thread is poorly cut, particularly when it is thick, slightly increase the engaging pressure. This should solve the problem. The engaging pressure can be adjusted in this way: Loosen lock nut B, and adjust it by using adjusting screw A.



19. INSTALLING OF THE NEDDLE PLATE (Fig.19)

To attach the needle plate, bring the cloth-cutting knife to its lowest position, and gradually tighten the two set screws alternately while lightly pressing the needle plate onto the cloth-cutting knife.



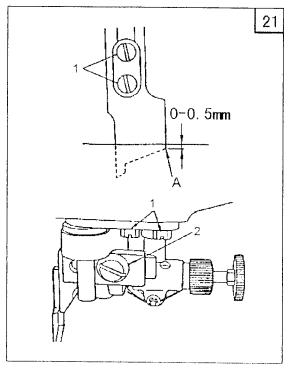


20. CLOTH CUTTING KNIFE (Fig.20, 21)

- 1) Operation of the cloth cutting knife
 - (1) To actuate the cloth-cutting knife, press down knife setting plate 1.
 - (2) To stop the cloth-cutting knife and reset the machine to the normal lockstitching mode, pull knob 2 in the direction of the arrow.
- 2) Attaching the cloth cutting knife
 - (1) Raise or lower the cloth-cutting knife so that section A of the cloth-cutting knife is positioned 0-0.5 mm below the top face of the needle plate when the knife is in its lowest position.
 - (2) Loosen two knife set screws 1, and replace the cloth-cutting knife.
- 3) Changing the cutting width
 - (1) The needle plate decides the cutting width. When the needle plate is replaced, loosen knife guiding shaft set screw 1 so that proper
 - parallelism is obtained and the sharpness of the knife blade is increased as shown in the figure.
 - (2) When the position of the knife is changed in accordance with the change of the needle plate size. loosen set screw 2, and position the knife so that the blade of the needle plate comes in contact with the knife blade. Then tighten set screw 2.
 - (3) For the standard machine, a 3.2 mm wide needle plate is installed at the time of delivery.

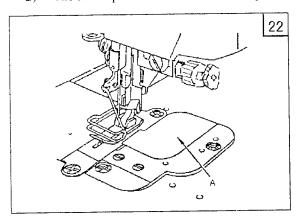
21. THROAT PLATE COVER

1) When the cloth-cutting knife is not in use, fit the throat plate cover, which is provided as an accessory.



onto the throat plate, and press A portion from above.

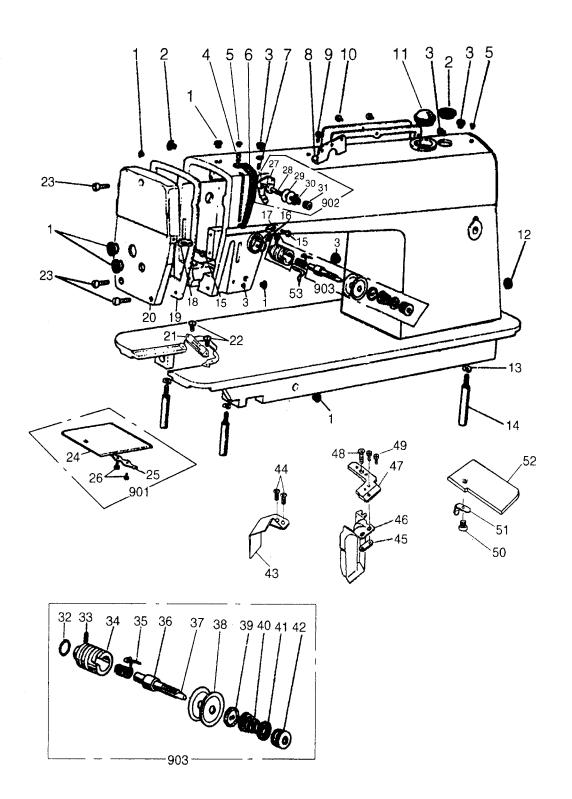
2) The throat plate cover is now securely fixed, and the hole for the waste cloth is closed.



22. OTHER REPLACEMENT PARTS

The standard cutting width of the machine is 1/8" (3.2mm). We offer the other specs according to your need. Please choose as follow sheet.

ease choos	c as iono	W SHEEL.						
Item		Needle plate	Feed dog	Presser	Throat plate chip guard	Chip guard		
1/8"	" MC		U7400U7101	H5722B8001	H5719B8001			
(3.2)	MC-D	H7411B7101	H7404E8001	H7409H7101	H7510B8001	1101119110001		
5/32 "	MC					117.40.4117.10.1	H5722B8001	H5719B8001
(4,0)	MC-D	H7413B7101	H7404E8001	H7404H7101	H7510B8001	поттяросст		
3/16 "	MC					H5722B8001	H5719B8001	
(4.8)	MC-D	H7409B8001	H7404E8001	H7404H7101	H7510B8001	H9719B0001		
1/ 4 "	MC		115.10.150.001	117.40.4117.10.1	H5726B8001	H5726B8001		
(6.4)	MC -D	H7415B7101	H7404E8001	H7404H7101	H7511B8001	H0720D6001		

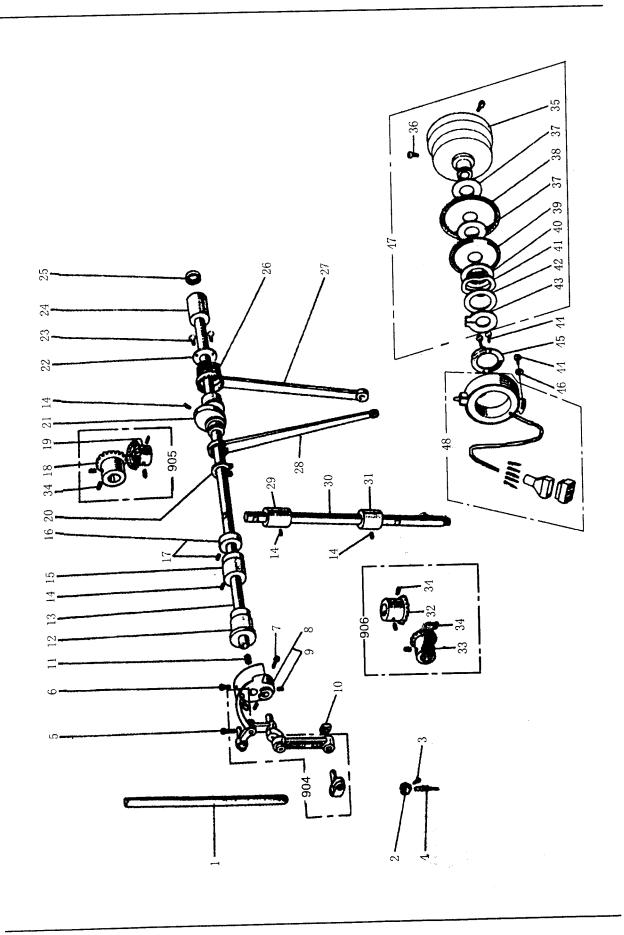


A.ARM BED AND ITS ACCESSORIES

Fig.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
A01	HA307B0674	Rubber plug	6	6	
A02	HA307B0673	Rubber plug	2	2	
A03	HA300B2090	Rubber plug	5	5	
A04	HA300C2030	Set screw	1	1	SM11/64(40)×8
A05	HA300B2110	Rubber plug	2	2	
A06	HA300C2020	Thread take-up cover	1	1	
A07	HA100B2110	Set screw	1	1	SM11/64(40)×5.5
A08	HA700B2050	Thread guide	1	1	
A09	HA700B2060	Set screw	1	1	SM11/64(40)×8
A10	HA300B2170	Set screw	6	6	SM11/64(40)×9
A11	H1210B0067	Oil check window	1	1	
A12	HA300B2100	Rubber plug	1	1	
A13	H005008060	Spring washer	3	3	GB/T93 6
A14	HA100B2220	Leg	3	3]·
A15	HA106B0676	Set screw	2	2	SM9/64(40)×6
A16	HA300B2080	Set screw	1	1	SM15/64(28)×6.8
A17	HA100B2140	Thread guide	1	1	
A18	HA106B0675	Thread guide	1	1	
A19	H3010B0682	Face plate gasket	1	. 1	
A20	H5912B8001	Face plate	1	1	
A21	H7410B7101	Needle plate	1	1	
A22	HA300B2190	Set screw	2	2	SM11/64(40)×4.5
A23	HA300B2160	Set screw	3	3	SM11/64(40)×10
A24	HA124B0711	Slide plate	1	1	
A25	HA324B0711	Slide plate spring	1	1	
A26	HA124B0713	Set screw	2	2	SM3/32(56)×2.2
A27	HA710B0674	Pre-tension thread guide	1	1	
A28	HA710B0673	Screw type tension stud	1	1	SM11/64(40)
A29	HA112B0693	Disk for pre-tension	2	2	
A30	HA710B0672	Spring for pre-tension	1	1	
A31	HA710B0671	Nut for pre-tension	1	1	SM11/64(40)
A32	HA115B7011	O-ring	1	1	
Α33	HA115B0708	1	1	1	SM9/64(40)×6
A34	HA310B0703	Thread tension regulating bushing	1	1	
A35	1	Thread take-up spring	1	1	
Λ36		Thread tension stud	1	1	SM1/4(40)
Λ37	1	Thread tension releasing pin	1	1	
A38	1	Thread tension disc	2	2	
A39		Thread releasing disc	1	1	
Λ40	i	Thread tension spring	1	1	
A41	HA115B7010		1	1	
A42	HA310B0701	1 -	1	1	
A43	H5719B8001		1	1	

A.ARM BED AND ITS ACCESSORIES

Fig.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
A44	H5727B8001	Screw	2	2	SM1/8(44)×3.4
A45	H5720B8001	Clip plate	1	1	` ,
A46	H5722B8001	4	1		
A46	H7510B8001			1	
A47		Chip funnel plate	1	1	
A48	HA300B2190		2	2	
A49			2	2	SM1/8(44)×3.4
A50		Chip funnel cover	1	1	
A51	l .	Spring for chip funnel cover	1	1	
A52	H5727B8001		2	l	SM1/8(44)×3.4
A53	l		1	1	J
A901	1	Slide plate complete	1	1	
A902	1	Pre-tension thread complete	1	1	
A903		Thread tension complete	1	1	

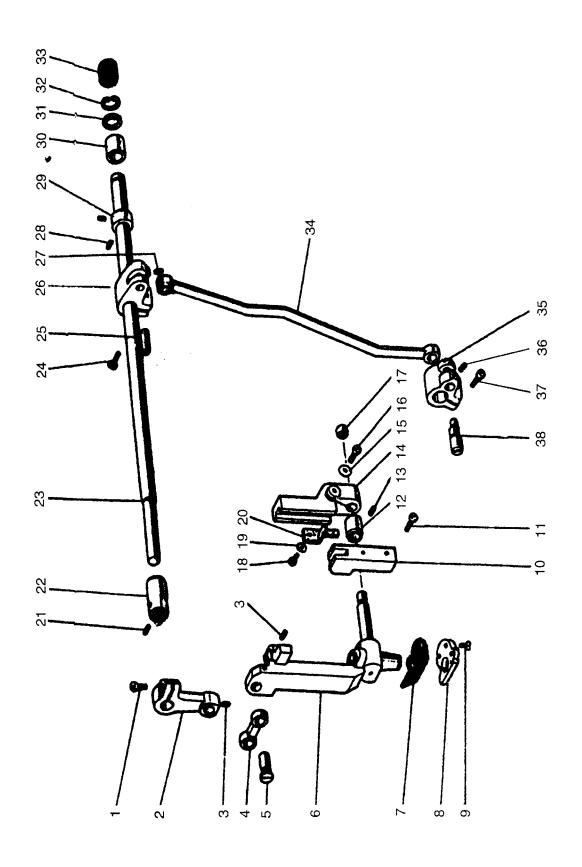


B.NEEDLE BAR AND THREAD TAKE-UP MECHANISM

Fig. No.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
B01	H5709C8001	Needle bar	1	1	
B02	H5710C8001	Thread guide	1	1	
B03	HA100C2170	Needle clamp screw	1	1	SM1/8(44)×4.5
B04	HA100C2160		1	1	
B05	HA7311C606		1	1	SM11/64(40)×12
B06	HA100C2070		1	1	
B07	HA100C2060		1	1	
B08	1	Needle bar crank complete	1	1	
B09	HA307C0662		2	2	SM1/4(40)×6
B10	HA100C2200		1	1	
B11	HA104D0652	Rubber plug	2	2	
B12	j	Arm shaft bushing (left)	1	1	
B13	H5711C7101		1	ļ	
B13	H7504C7101	Arm shaft		1	
B14	HA100C2020		4	4	SM15/64(28)×10
B15	1	Arm shaft bushing (middle)	1	1	
B16	l I	Collar for arm shaft	1	1	
B17	HA105D0662		2	2	SM1/4(40)×4
B18		Bevel gear for arm shaft	1	1	
B19	HA113D2122	Bevel gear for vertical shaft(upper)	1	1	
B20	HA112D3012	7. 0	1	1	
B21		Feed and feed lifting eccentric	1	1	
B22	H30211C406		1	1	
B23	HA7311C306		3	3	SM9/64(40)×7
B24	ı	Arm shaft bushing (right)	1	1	
B25	HA306D0066		1	1	
B26	H30211C206	· ·	1	1	
B27	i	Crank rod for feed rock shaft	1	1	
B28	i i	Crank rod for feed lifting rock shaft	1	1	
1 1	i	Vertical shaft bushing (upper)	1	1	
B30	HA113D0691		1	1	
B31	ı	Vertical shaft bushing (lower)	1	1	
1	P.	Bevel gear for vertical shaft(lower)	1	1	
l 1		Bevel gear for hook shaft	1	1	
i i	HA108C0663		8	8	SM1/4(40)×7
l .	HA710R0651 I			1	
l i	HA307D0671 I		1		
	HA110D0672 S		2		SM15/64(28)×12
	HA700R0030 S			2	
1	ı	Speed command disc 1		1	
	i	Speed command disc 2		1	
	HA700R0040 S	-		1	
B41	HA700R0050 S	Support spring		1	

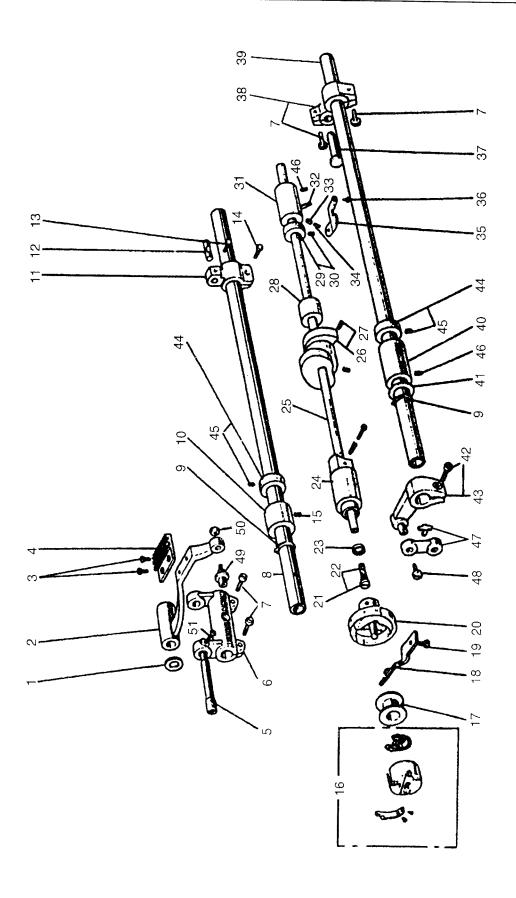
B.NEEDLE BAR AND THREAD TAKE-UP MECHANISM

Fig. No.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
B42 H	IA700R0060	Washer		1	
	1007009300			1	GB/T894.1 30
	LA300C2030			3	SM11/64(40)×8
		Detector bracket supporter		1	
1				1	
	IA703R0067			1	
		Driver complete		1	
		Detector complete		ļ	
		Needle bar link and thread take-up lever complete	1	1	
		Bevel gear for arm shaft complete	1	1	
B906 H	IA113D4022	Bevel gear for hook shaft complete	1	1	



C.NEEDLE BAR FEEDING MECHANISM

Fig.	Part No.	Description		GC0518-MC	GC0518-MC-D	Remarks
				1	1	SM3/16(28)×15
C01	HA304G0656			1	1	
C02		Needle bar vibrating lever		2	2	SM11/64(40)×5.5
C03	HA100B2110		1	1	1	
C04	H3012D0693	Needle bar vibrating lever link		1	1	
C05	H3012D0692	Needle bar vibrating lever link pin	ŀ	1	1	
C06		Needle bar support complete	1	1	1	
C07	1	Gasket for needle bar support	1	1	1	
C08	H7405D8001	1		2	2	SM9/64(40)×4.5
C09	H3000D2160			1	1	
C10		Needle bar support guide bracket	ľ	2	2	SM11/64(40)×8
C11	HA300C2030			1	1	
C12		Needle bar support bushing	1	1	1	SM11/64(40)×4.35
C13	H3000D2030	Needle clamp screw		1	1	
C14	•	Guide bracket for needle bar slide block		1	1	GB/T95 5
C15	H005005050	1	ŀ	1	1	SM3/16(28)×15
C16	1			1	1	DN13/10(20)
C17		Needle bearing	1	1	1	SM1/8(44)×6
C18		l .		l	1	GB/T848 4
C19	H005004040	Washer		1	1	
C20	H3000D213	0 Felt		1	2	SM11/64(40)×5.5
C21				2		514111/04(10) 2.0
C22	H3010D067	2 Rock shaft bushing (left)		1	1	
C23		1 Rock shaft		1	1	
C24	H3009D066	Rock shaft driving crank pin		1		(1 < (20) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
C2:		2 Set screw		1	1	
C2	6 H3009D066	Rock shaft driving crank		1	1	
C2	7 HA100B21	10 Set screw		1	2	
C2		62 Set screw		2		
C2		Collar for rock shaft		1		
C3	0 H3010D06	Rock shaft bushing (right)		1		
C3	1 H3010D06	74 Washer		1		GB/T894.1 12
C3	2 H0070091	20 C-type ring		1		1.
C3	3 H3000B21	10 Rubber plug		1	- 1	1
C3		50 Crank rod for feed rock shaft			1	1
C:		51 Feed rock shaft driving crank			- 1	1 SM3/16(28)×15
C:		556 Set screw				1 SM1/8(44)×3.9
C		13 Set screw			1	1
C	38 H3000D20	Eccentric shaft		1		
				ļ		

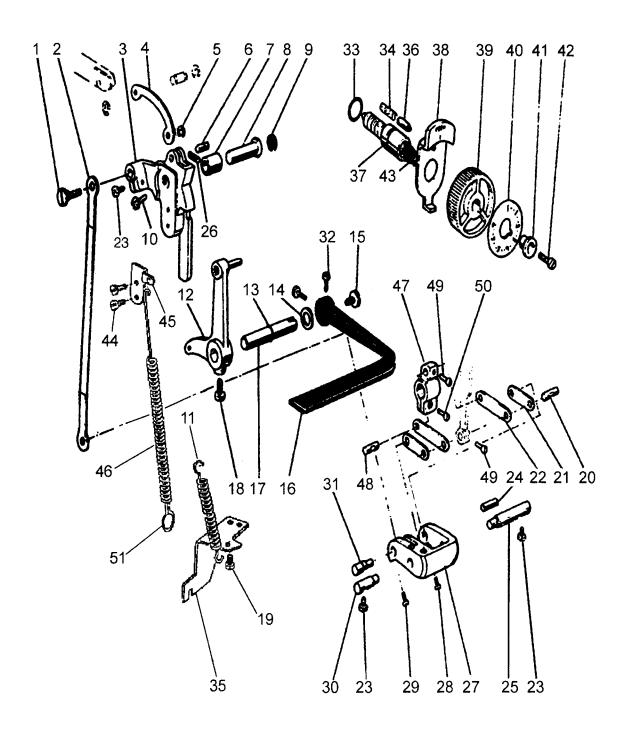


D.ROTATING HOOK SHAFT MECHANISM

Fig. No.	Part No.	Description		GC0518-MC	GC0518-MC-D	Remarks
D01	HA104G0656			1		
D02	H30311E106			1	1	
D03	HA104G0654			2	2	SM1/9/44)c
D04	H7404E8001			1	1	SM1/8(44)×6
D05	HA705J0654	Shaft for feed bar crank (eccentric)	1	1	1	
D06	HA104G0011	Feed rock shaft crank		1	1	
D07	HA104G0012	Set screw		4		CM2/1 20\ 42</td
D08	HA300G2050 1	Feed rock shaft		1		SM3/16(28)×12
D09	H007009150	C-type ring		2	1	OD TOO A A A A
D10	HA100G2040 I	Feed rock shaft bushing		1		GB/T894.1 15
D11		Feed rock shaft crank (right)			1	
D12	HA706C11B2 F	eed rock shaft crank pin		1	1	
D13	HA7311C806 S	et screw		1	1	OD 64.4 (4.4 (4.4 (4.4 (4.4 (4.4 (4.4 (4.4
D14	HA7311C606 S	et screw		2	1	SM11/64(40)×7
D15	HA305E0662 S	et screw		1		SM11/64(40)×12
D16	H3005E0066 R	otating hook complete		1		SM15/64(28)×4.5
	HA700E2060 B			1	1	
D18	HA300E2050 R	otating hook positioner		1	1	
	HA100E2150 Se			1	1	
		obbin case complete		1		SM11/64(40)×10
	HA104E0011 Fi		- 1	1	1	
	HA1111E204 Fi			1	1	
	IA700E2030 Oi			1	1	
- 1	1	ook shaft bushing (left)	ł	1	1	
D25 I	IA304E0651 Re	stating hook shaft		1	1	
		dating hook shaft		1		
		read timmer cam		ł	1	
	IA710E0692 Set				1	
		tating hook shaft bushing (middle)	ļ		i	M1/4(40)×10
)29 11	A305E0066 Co	Har for rotating hook shaft			1	
	A305E0662 Set			1	1	
,		ating hook shaft bushing (right)	ŀ	1		M15/64(28)×4.5
32 11	A110E0672 Oil	pipe for rotating hook shaft		.	1	
	A300E2100 Plu				1	
	A300E2110 Plui	_			1	
	A300E2040 Gui			- 1	1	
- 1	\104F0654 Set	-			1	
1	100G2070 Hin			- 1	1	115/64(28)×10
		l lifting rock shaft crank (right)	1		1	
30 HA	305G0663 How	I lifting rock shaft I lifting rock shaft	1	i	1	
		I lifting rock shaft bushing	1	i	1	
	(100G2130 Was		1	1	!	
. 1,17	.111G0683 Set s		1 1	1		

D.ROTATING HOOK SHAFT MECHANISM

Fig. No.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
D43	H3009F0068	Feed lifting rock shaft crank (left)	1	1	
D43		Collar for Feed lifting rock shaft	2	2	
D45	HA105D0662		4	l .	SM1/4(40)×4
D43	HA100C2020		2	2	SM15/64(28)×10
1	HA112G0070		1	1	
D47	1		2	2	SM9/64(40)×6.5
D48	HA100G2100		1	1	
D49	HA104G0659		1	1	SM3/16(32)
D50 D51	HA300C2030	Hinge pin nut	1	1	SM11/64(40)×8
	11.15000200				

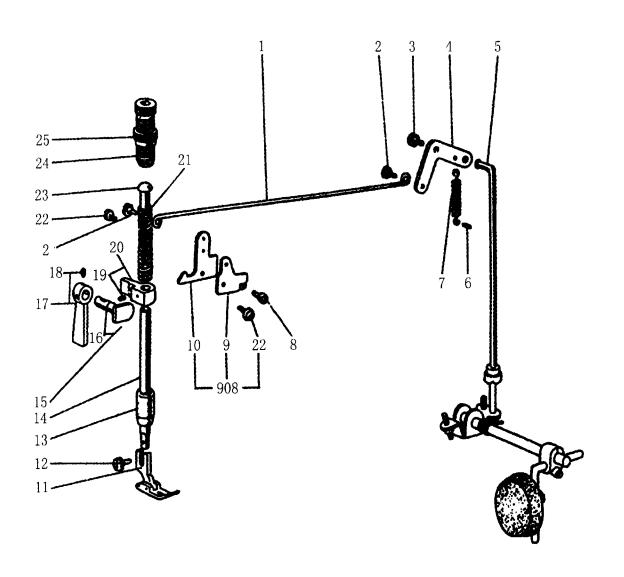


E.STITCH REGULATOR MECHANISM

Fig.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
E01		Connecting rod stud	1		
E01		Connecting rod stud		1	
E02	1	Feed connecting link	1		
E02	l .	Feed connecting link		1	
E03	!	Feed regulator	1		
E03		Feed regulator		1	
E04	H3000F2090	Reverse feed link		1	
E05	H007013040	Washer	1	1	GB/T896 4
E06	H2204D0652	Pin	1	1	
E07	HA704B0655	Feed regulator bushing	1	1	
E08	HA100F2040	Hinge pin for feed regulator	1	1	
E09	HA700B2120	Rubber plug	1	1	
E10	HA113F0684	Set screw		1	SM15/64(28)×8.5
E11	HA115F0692	Spring for reverse feed lever crank	1		
E11	H3009F0663	Spring for reverse feed lever crank		1	
E12	HA115F0069	Reverse feed lever crank	1		
E12	H3009F0066	Reverse feed lever crank		1	
E13	H^113F3022	O-ring	1	1	
E14	HA100F2110	Washer	1	1	
E15	HA113F0683	Set screw	1	1	SM3/16(28)×6.5
E16	HA309F0671	Reverse feed lever	1	1	
E17	HA113F3021	Reverse feed lever pin	1		
E17	H3008F0671	Reverse feed lever pin		1	
E18	HA100F2130	Set screw	1	1	SM15/64(28)
E19	HA800F2020	Set screw	1	1	SM15/64(28)×13.5
E20	HA706C11B1	Link stud	1	1	
E21	HA706C1191	Link (short)	2	2	
E22	HA706C1192	Link (long)	2	2	
E23	HA111G0683	Set screw	3	3	SM11/64(40)×12
E24	HA7311CE06	Link stud	1	1	
E25	HA700C2040	Feed regulator shaft (right)	1	1	
E26	H2000H2020	Set screw	2	2	SM15/64(28)×14
E27	HA7311CG06	Stitch length adjusting crank	1	1	
E28	HA7311CD06	Set screw	1	1	SM9/64(40)×8.5
E29	HA7311CC06	Set screw	1	1	SM9/64(40)×6.5
E30	HA700C2050	Feed regulator shaft (left)	1	1	
E31	HA7311CF06	Link stud	1		
E31	H3000F2080	Link stud		1	
E32	HA104F0654	Set screw	2	2	SM15/64(28)×10
E33	HA109F0674	O-ring	1	1	
E34	HA100F2090	Spring for stopper pin	1	1	
E35	HA100F2140	Spring holder	1	1	
E36	HA700F2030	Stopper pin	1	1	

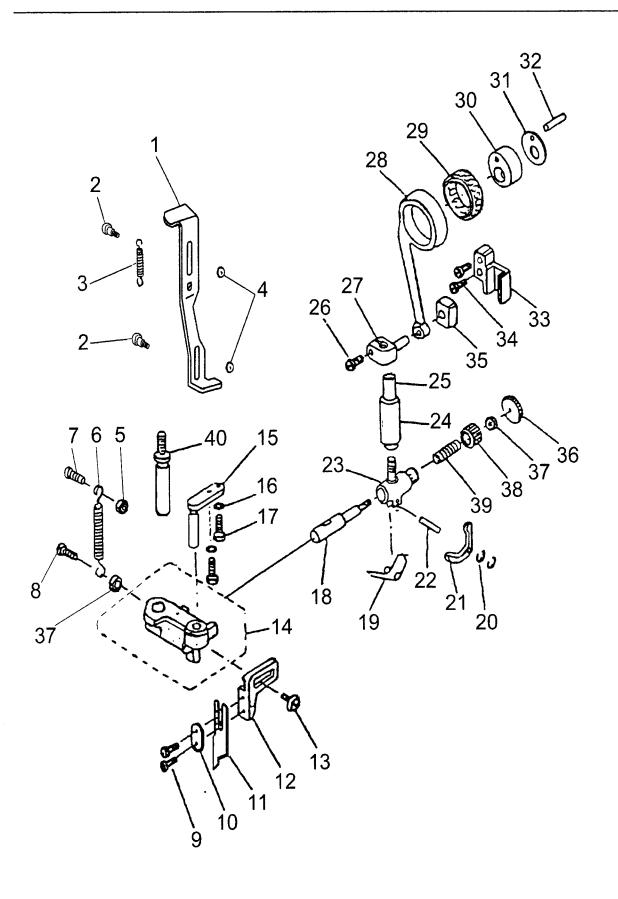
E.STITCH REGULATOR MECHANISM

Fig.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
			8	1 25	
E37	HA720F0681	Feed regulator screw bar	1	1	
E38	1	Stopper pin releasing lever	1	1	
E39	HA7421F120		1	1	
E40	HA720F0684	Stitch length indicating plate	1	1	
E41		Bushing for dial screw	1	1	
E42	HA720F0686	Dial screw	1	1	
E43	HA720F0687	Coil spring	1	1	
E44	HA100C2190	Set screw		2	SM9/64(40)×8
E45	HA7311CI06	Spring holder		1	(10) 0
E46		Spring for feed regulator crank	1	1	
E47		Feed rock shaft bushing	1	1	
E48	HA7311C806		2		SM11/64(40)×7
E49	HA7311C606	Set screw	2		SM11/64(40)×12
E50	HA706C11B2	· · · · · · · · · · · · · · · · · · ·	1	1	51111/04(40)/12



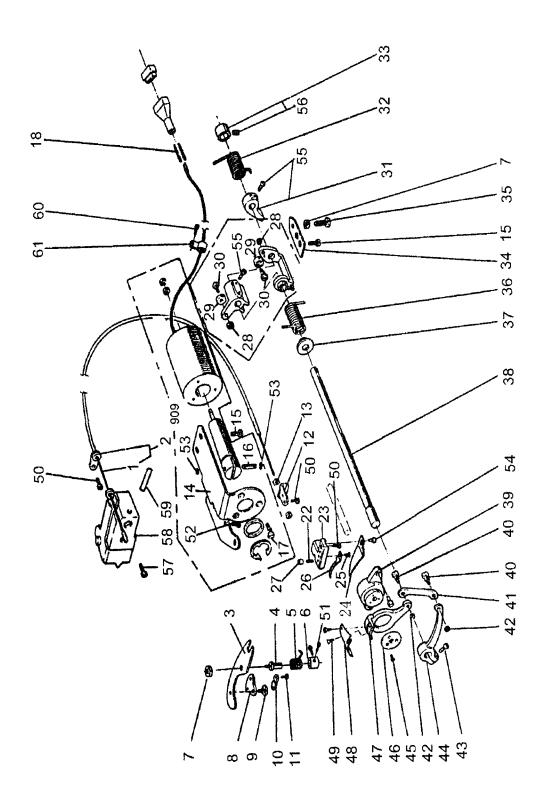
F.PRESSER FOOT MECHANISM

Fig.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
F01	HA107H0663	Knee lifter rod	1	1	
F02	HA107H0662	Set screw	2	2	SM3/16(28)×3.5
F03	HA100H2050	Set screw	1	1	SM15/64(28)×13.5
F04	HA306H0067	Knee lifter lever (right)	1	1	13.3
F05	1 1	Knee lifter connecting rod	1	1	
F06	HA100H2080	I	1	1	
F07		Spring for knee lifter lever	1	1	
F08	HA100H2050		1	1	SM15/64(28)×13.5
F09		Tension releasing cam	1	1	5W115704(28)×15.5
F10	1 .	Knee lifter lever (left)	1	1	
F11	1	Presser foot complete	1	1	
F12	HA100H2150	-	1	1	SM9/64(40)×11
F13	i I	Presser bar bushing	1	1	3119/04(40)^11
F14	HA300H2110	-	1	1	
F15	1 1	Presser bar lifting cam	1	1	
F16	1	Oil seal for presser bar lifting cam	1	1	
F17	i I	Presser bar lifter	1	1	
F18	HA100B2110		1		SN411/64/40\\E 5
F19	HA3411D308			1	SM11/64(40)×5.5
F20	i I	Presser bar lifting bracket	1	1	SM15/64(28)×7
F21		Presser bar spring	1	1	
F22	HA107H0662		1	1	SN 42 (1 (420) v. 2 . 5
F23	ľ	Presser bar guide	1		SM3/16(28)×3.5
F24		Pressure regulating thumb screw	1	1	
F25	HA117H0692		1	1	
F908	1	Presser bar lifting lever complete	1 1	1	



G.KNIFE MECHANISM

Fig.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
G01	H7405F8001	Knife positioning plate	1	1	
G02	H7406F8001	Screw	2	2	SM9/64(40)×5
G03	H7407F8001	Spring	2	2	
G04	H3200I2030	Washer	2	2	
G05	HA104J6510		2	2	SM15/64(28)
G06	H5707F8001	1	1	1	
G07	HA104F0654	Screw	1	1	SM15/64(28)×10
G08	HA100E2150		1	1	SM11/64(40)×9.5
G09	HA100C2170		2	2	SM1/8(44)×4.5
G10	H5709F8001	Washer	1	1	
G11	H5710F8001		1	1	
G12	H5711F8001	Knife holder	1	1	
G13	H5733F8001	Screw	1	1	SM11/64(40)×8
G14	H5712F8001	Knife driving block Asm.	1	1	
G15	H7409F8001	Guide stud for knife driving	1	1	
G16	H005004050	Washer	2	2	GB/T848 5
G17	H5735F8001	Screw	2	2	SM3/16(28)×9
G18	H5715F8001	Knife driving rod clutch pin	1	1	
G19	H5716F8001	Spring	1	1	
G20	H007013015	Stop ring	2	2	GB/T896 1.5
G21	H5717F8001	Knife release lever	1	1	
G22	H5718F8001	Pin	1	1	
G23	H5719F8001	Knife driving rod clutch pin guide	1	1	
G24	H5720F8001	Bushing	1	1	
G25	H5721F8001	Knife driving stud	1	1	
G26	HA104C0659	Screw	1	1	SM9/64(40)×6
G27	H5722F8001	Knife driving stud connection	1	1	
G28	H5723F8001	Knife driving rod	1	1	
G29	H30211C206	Knife needle bearing	1	1	
G30	[H5724F8001]	Knife cam	1	1	
G31	H5725F8001	Thrust plate	1	1	
G32	H5726F8001	Pin	1	1	
G33	H5727F8001	Slide block guide	1	1	
G34	HA100C2190	Screw	2	2	SM11/64(40)×8
G35	HA100C2200	Slide block	1	1	
G36	H5728F8001	Knob	1	1	
G37	H5729F8001	Nut	2	2	
G38	H5730F8001	Сар	1	1	
G39	H5731F8001	Spring	1	1	
G40	H5732F8001	Knife driving block stud	1	1	

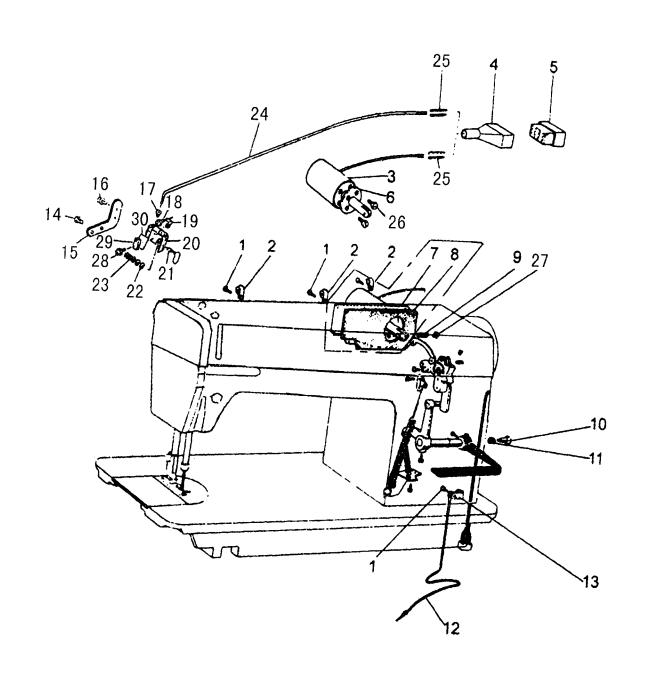


H.THREAD TRIMMER MECHANISM

Fig.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
H01		Flexible wire complete		1	
H02	HA713N0701	Thread trimmer driving lever		1	
H03	HA712N0698	Thread trimmer driving lever		1]
H04	HA712N0695	Stud screw		1	
H05	HA712N0697	Trimmer driving lever spring		1	
H06	HA712N0696	Collar for stud screw		1	
H07	HA710N0683	Stopper nut	1	1	SM15/64(28)
H08	HA712N6910	Flexible wire support plate		1	
H09	HA712N0699	Set screw		1	SM11/64(40)×4
H10	HA712N6911	Flexible wire presser		1	
H11	HA712N6912	Set screw		2	SM1/8(44)×7
H12	HA712N6913	Wire holder		1	
H13	H003002050	Wire nut		2	GB/T6170 M5
H14	HA7511N212	Solenoid bracket		1	
H15	HA700N0080	Set screw		4	SM15/64(28)×12
H16	HA712N0692	Thread trimmer solenoid stud		1	(,
H17	HS90011406	P-type screw	İ	3	M4×6
H18	HA7641B319	Terminal pin		2	
H22	HA7121N604	-		1	SM9/64(40)×8.5
H23	HA7121N104	Bracket for fixed blade		1	
H24	HA7121N404			1	
H25	HA7121N304	_			SM9/64(40)×5
H26	H3000H2030	Fixed blade		1	(10) 5
H27	HA7121N704	Nut		1	SM9/64(40)
H28	HA7221N206	Crank screw		1	(,0)
1129	HA7221N106			1	
H30	HA706N0663	Nut		l	SM3/16(28)
H31	HA709N0671	Stopper block		1	2012/13(23)
H32	HA700N0110			1	
1133	J	Collar with screw	j	1	
1134		Lever stopper plate	ĺ	1	
j	HA7411N110				SM15/64(28)×23
	4	Coil spring (left)		1	5.1115,6 ((26):-25
- 1	HA700N0050 I			1	
1138	i	Knife driving shaft		1	
H39		Knife holding bracket saddle		1	
	HA7111N204 S	_			SM11/64(40)×6.2
1	ΠΑ7111N404 F			1	
1	HA7111N304 N	i			SM11/64(40)
- 1	HA719B7011 S			I	SM11/64(40)×11.4
1144		Knife driving crank		1	
	HA704N1114 S				SM1/8(44)×5.2
	l l			i i)
1146	HA704N1113 V	Washer		1	

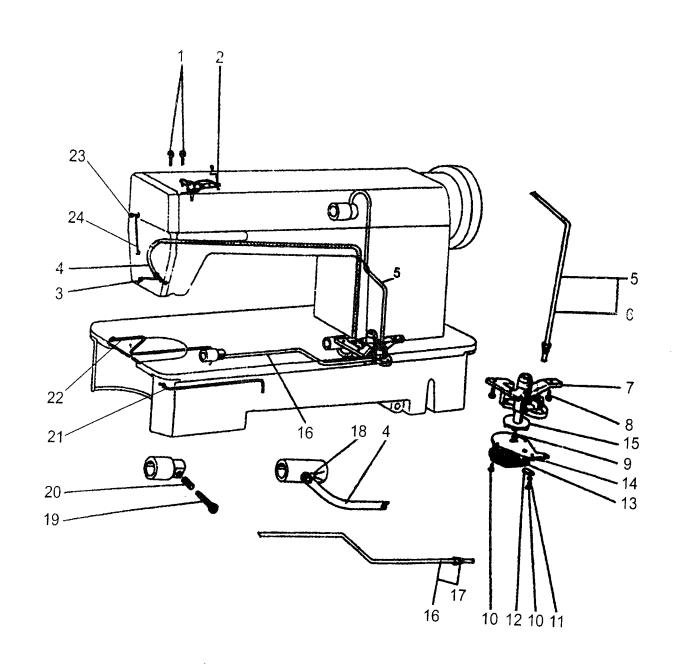
H.THREAD TRIMMER MECHANISM

Fig. No.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
H47	HA704N1112	Knife holding bracket saddle (left)		1	
H48	HA7111N804	Movable knife (left)		1	
H49	HA7111N704	Set screw		2	SM11/64(40)×5.5
H50	HA300C2030	Set screw		6	SM11/64(40)×8
H51	HA7311CC06	Set screw		2	SM9/64(40)×6.5
H52	HA100E2150			1	SM11/64(40)×10
H53	H007013040			2	GB/T896 4
H54	HA7311CH06			1	SM9/64(40)×8
H55	HA113F0684				SM15/64(28)×8.5
H56	HA105D0662				SM1/4(40)×4
H57	HA7311C606			2	SM11/64(40)×12
H58		Thread tension releasing bracket complete		1	
H58		Thread tension releasing bracket	1	•	
H59		Thread tension releasing pin	1		
H59		Thread tension releasing pin Thread tension releasing pin	1	1	
H60	HA300B2170	_ -		1	SM11/64(40)×9
H61	HA708P0668		,	1	31/11/1/04(40)^9
H909		Solenoid bracket complete			
H909	HA/12N0009	Solenoid bracket complete		1	



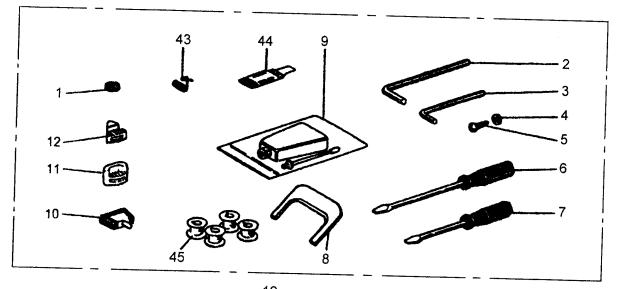
I.TOUCH BACK AND DETECTOR MECHANISM

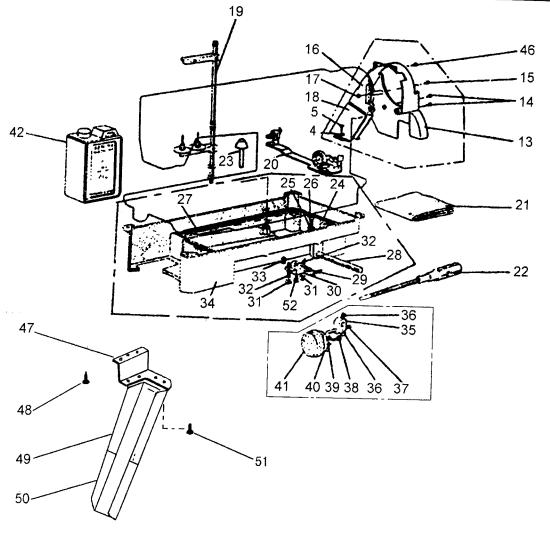
Fig. No.	Part No.	Description		GC0518-MC	GC0518-MC-D	Remarks
I01	HA300B2170	Screw			4	
102	HA700Q0030	î			3	
103	H2611E8001	1			1	
104	HA712Q0693	!	ļ		1	
105	HA700Q0010				1	
I06	H2206I0672				1	
I07	H2609E0671	Arm side cover			1	
I07	HA108B0681	Arm side cover		1		
I08	H2609E0672	Gasket for arm side cover			1	
108	HA108B0682	Gasket for arm side cover	ļ	1	}	
I09	HA712N0692	Link stud	ļ		1	
110	H2204G0651	Screw	:		1	SM15/64(28)×7
I11	H2204G0652	Stop ring			1	1
I12	HA705Q0065	Ground wire assy.	Ì		1	
I13		Cord holder			1	
I14	HA300B2170	I .			2	SM11/64(40)×9
115	H5911J8001	Bracket for touch switch			1	
I16	HA7221P508				2	M3×5
[17		Rubber plug			1	
I18	HA704O065				1	M2×4
119	1	4 Plate spring			1	
120		Bracket for touch switch			1	
I21		1 Touch switch complete			1	
122		E-type ring			2	GB/T896 3
123		1			1	1
124		9 Cord assy.		ļ	3	
125		9 Terminal pin		1	5	
126	1	1			4	SM11/64(40)×8
127	1	0 Stop ring			2	GB/T896 4
128		0 Screw			2	M2×8
129	ł	Micro switch		1	1	
I30		Insulator seet		1	1	
150	J Introduces					
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J.OIL LUBRICATION MECHANISM

Fig.	Part No.	Description	GC0518-MC	CC0518 MC D	J-JNI-91	Remarks
704	HA100H2150	Caratt	2			SM9/64(40)×11
J01		Oil wick fitting plate complete	1	1	1	, ,
J02	1	Oil filter holder	1		1	
J03	H3000L0020	Oil return tube complete	1		1	
J04	1	Arm shaft oil tube complete	1		1	
J05		Arm shaft oil tube connector			1	
J06	ì		1		1	
J07	1	Oil pump	3		3	SM11/64(40)×13
J08		Set screw	1		1	SM1/8(44)×6.5
J09	HA100I2030		3	-	3	SM1/8(44)×13
J10	HA300I2050	1	1		1	
J11	1	Spring washer Oil adjusting plate	1		1	
J12	1	1	1		1	
J13	l	Oil pump screen complete			1	
J14	1	Oil pump fitting plate	1		1	
J15		Oil pump impeller	1		1	
J16		Oil pipe for hook shaft complete	1	- 1	1	
J17		Oil pipe for hook shaft connector	1	- 1	1	
J18		Oil return tube holder		- 1	1	15/64×28/12
J19		Oil adjusting screw		- 1	1	
J20		Oil adjusting spring		- 1	1	
J21	HA305G0664	I .		- 1	1	
J22	H3000E2050	l e			1	SM11/64(40)×8
J23	HA300C2030	1		- 1	1	
J24	H3000L0030	Oil pipe holder		`	-	
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K.ACCESSORIES

Fig. No.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
K01	HA100J2120	Magnet block	1	1	Ì
K02	•	Hexagon socket screw key 3	1	1	
K03	HA704S0653	Hexagon socket screw key 2	1	1	
K04	HA300J2230	Washer	4	4	
K05	H801045200	Wood screw	4	4	GB/T99 4.5×20
K06	HA300J2200	Screw driver (Size M)	1	1	
K07	HA300J2210	screw driver (Size S)	1	1	
K08	HA704S0654	Speed command disc adjusting plate		1	
K09	HA100J2110	Oil with oiler	1	1	
K10	HA307J0067	Hinge with rubber cushion	1	1	
K11	HA300J2050	Head cushion (large)	2	2	
K12		Head cushion (small)	2	2	
K13	HA305J0666	Belt cover	1	1	
K14	HA300J2280		2	2	SM15/64(28)×8
K15	HA300J2250	Screw	1	1	M4×12.5
K16		Belt cover complete	1	1	
K17	H003002040	1	1	1	GB/T6170 M4
K18	HA305J0665	Belt cover	1.	1	
K19		Thread stand complete	1	1	
K20		Bobbin winder complete	1	1	
K21	HA300J2190		1	1	
K22		Screw driver (Size L)	1	1	
K23		Knee lifter lifting rod	1	1	
K24	1	Gasket for oil reservoir (small)	1	1	
K25	HA104J0653	Seal washer	1	1	
K26		Oil drain screw	1	1	SM5/16(28)×10
K27	1	Gasket for oil reservoir (large)	1	1	
K28	1	Knee lifter shaft	1	1	
K29		Knee lifter spring	1	1	
K30	HA104J0658	1	1	1	
K31	HA104J6510		2	2	SM5/16(28)
K32	HA104J0659		2	2	SM15/64(28)×28
K33	H007013090		1	1	GB/T896 9
K34	H5703I7101		1		
K34	1	Oil reservoir		1	
K35	•	Knee lifter coupling joint	1	1	
K36	HA300J2180	4	2	2	SM5/16(18)×16
K37	t .	Knee lifter bell crank	1	1	
K38	HA106J0667	1	1	1	SM15/64(28)×8
K39	1	Gasket for Knee lifter plate	1	1	
K40		Knee lifter plate	1	1	
K41	1	Pad for knee plate	1	1	
K42	HA300J2170		1	1	

K.ACCESSORIES

Fig.	Part No.	Description	GC0518-MC	GC0518-MC-D	Remarks
K43	HA115B0706	Thread take-up spring	1	1	
K44	HA300J2310		1	1	
K45	HA700E2060	Bobbin	4	4	
K46	HA300B2170		2	1	SM11/64(40)×9
K47	H5709I8001	I I	1	1	SM11/64(40)×8
K48	H801045200	Screw	3	i	CD/T00 4.520
K49		Waste material chure(large)		1	GB/T99 4.5×20
K50		Waste material chure(small)	1	1	
K51	H801045200		1	1	
K52	HA110D0672		4 1	1	GB/T99 4.5×20 SM15/64(28)×12

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