





INDUSTRIAL SEWING MACHINE

INSTRUCTION MANUAL

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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 $(35^{\circ}C \text{ or higher})$ or low temperature $(5^{\circ}C \text{ or lower})$.
- (2) Avoid using the machine in dusty conditions.

2. MAIN SPECIFICATIONS

| Item | GC0618-1SCZ | GC0618-1DZ | | | |
|---|-------------|------------|--|--|--|
| Max. Sewing Speed | 20 | 00 rpm | | | |
| Stitch Length | 0-10 mm | 0–8mm | | | |
| Take-up Lever Stroke | 71 | l.5 mm | | | |
| Needle Bar Stroke | : | 35 mm | | | |
| Height of Between Main and Sub Presser Foot | 2-5 mm | | | | |

| Presser | By Hand | | 8 mm | | | | | |
|-----------|------------|----------------------|------------------------|--|--|--|--|--|
| foot lift | By Knee | | 14mm | | | | | |
| Need | le | DP× | DP×17 22#-24# | | | | | |
| Rotating | Hook | Double Capacity Hook | Large Hook for Trimmer | | | | | |
| Lubrica | ition | | Manual | | | | | |
| Moto | or | 850W | 850W Servo Motor | | | | | |

3. PREPARATION AND LUBRICATION

1) Cleaning the machine

Before leaving the factory, the machine parts are coated with rust-preventive grease, which may be hardened and contaminated by dust during storage and shipment. This grease must be removed with gasoline.

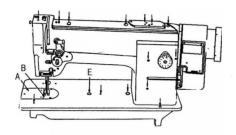
2) Examination

Though every machine is confirmed by strict inspection and test before leaving the factory, the machine parts may be loose or deformed after long distance transportation with jolt. A thorough examination must be performed after cleaning the machine. Turn the balance wheel to see if there is running obstruction, parts collision, uneven resistance or abnormal noise. If these exist, adjustment must be made accordingly before run-in operation.

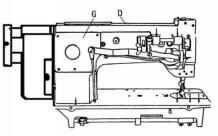
3) Oiling (Fig.1, 2, 3, 4)

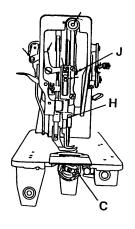
Please do not operate the machine before lubricating well. The points with arrow in the fig are oil positions.

Caution: Please use white spindle oil.









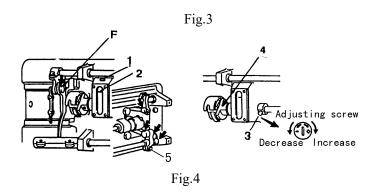


Fig.2

Lubrication of rotating hook (Fig.4)

Add the oil from the oil hole 1 unitl to the position 2.

Adjusting the lubrication (Fig.4)

Oil adjusting screw 3 can adjust the lubrication of the rotating hook: Turn oil-adjusting screw 3 clockwise to increase oil and turn oil-adjusting screw 3 counter-clockwise to decrease oil.

4. REPLACE NEEDLES (Fig.5)

1) Turn the balance wheel to lift needle bar 1 to the upper end of its stroke.

2) Loosen needle clamp screw 2. While keeping the long groove of the needle leftward fully insert the needle shank up to the bottom of the needle socket.

Caution: The direction of the long groove should be left.

3) Then tighten needle clamp screw 2.

5. WINDING (Fig.6)

Note:When winding, keep the press foot raised.Yarn

tension,Especially nylon or polyester thread,should loosen the bobbin.

- 1).For the wound line as shown in the figure,wrap the end of the line clockwise around the bobbin several times and then Counterclockwise around the thread regulator side
- 2).Press the lever(1) in the direction of the arrow to start the sewing machine

3)Stop automatically after winding

6.WINDINGADJUSTMENT (Fig.6)

- 1)Adjust the winding strength of thread with thread with thread adjusting nut(2)
- 2)Adjust the winding amount of thread by loosening the 4/5 screw(3) with full capacity and moving adjusting plate4:move along the direction of a The amount of winding increases.When moving along b direction,the amount of thread winding decrease.

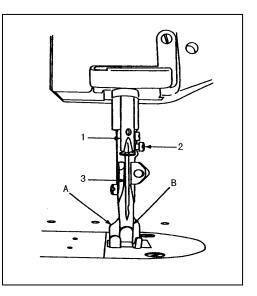
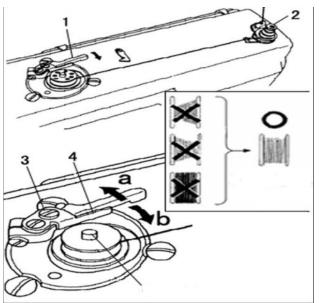


Fig.5

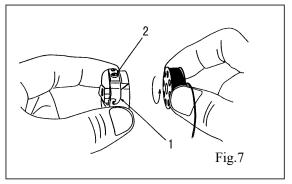




7. REMOVING AND INSERTING THE BOBBIN

1) Turn the balance wheel to lift needle bar 1 to the upper end of its stroke. Place the feed dog at this side in its travel turning the balance wheel, and open the slide plate A. (Fig.1)

2) Open on the drip pan, and then open the hinged latch with left thumb and index finger. And pull bobbin case and bobbin from rotary hook. While the latch is held open, the bobbin will be retained in the boobin case. Release of the latch and turning of the open side of the bobbin case downward will cause the bobbin to drop out.



3) Hold the bobbin between the thumb and forefinger of your right hand and pull out a length of about 5 cm of thread. Holding the bobbin case in your left hand turn the open side up and place the threaded bobbin into it. (Fig.7)

4) With the right hand guide the thread into the slot in the edge of the bobbin case. Then pull the thread to the left, under tension spring 1 (Fig.7) and into the delivery eye. In order to keep the bobbin from dropping out of the case when it is turned with the open side down, always keep the hinged latch at the front of the bobbin case open.

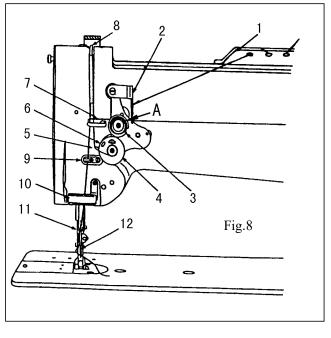
5) Take the threaded bobbin case by the latch and place it on the center stud of the bobbin case holder. Release latch and press bobbin case on to center stud until the latch catches the undercut thereon with a click that can be heard. Permit about 5 cm of bobbin thread to hand down freely. Be sure to push the slide plate to the right before starting to sew.

8. THREADING (Fig.8)

1) Raise the needle bar to its highest point and lead the thread from the thread stand the following order. From the thread stand lead the thread from back to front through the lower guide hole in pin 1 on top of the machine arm, then again from right to left through the upper guide hole in this pin. Pass thread in weaving fashion through the three holes in guide 2, and from right to left over and between the tension disc 3. Now pull

thread downward and from right to left beneath and around thread controller 4, continue to pull thread upward against the pressure of the wire spring into the fork 5, in the thread controller. Guide upward through the point of controller discs 6, and thread guide 7, and from right to left through the eye in take-up lever 8, down through thread guide 7, again and then through 9, 10, 11 and from left to right through the eye of the needle 12.

2) After the above threading, hold the end of thread with your left hand, and turn the balance wheel with your right hand so that bobbin thread may be picked up by needle thread. And put their ends of thread back through under the presser foot for starting operation.



9. REGULATING THE THREAD TENSIONS

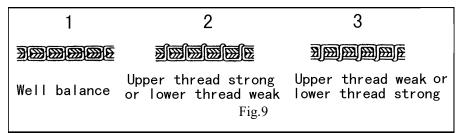
For ordinary stitching, the tension of the upper and the lower threads should be equal so as to lock both threads in the center of the material. (1 Fig.9) If the tension on either thread is stronger than on the other, imperfect stitching will be the result. If the tension on the upper thread is greater than that on the lower thread, it will lie straight along the upper surface of the material. (2 Fig.9) If the tension on the lower thread is greater than that on the lower thread is greater than that on the lower thread will lie straight along the upper thread, it will lie straight along the lower thread will lie straight along the underside of the material. (3 Fig.9)

1) Tension of the upper (needle) thread:

Before adjusting the tension of the upper (needle) thread, be certain that the presser foot is let down but not in lifted position. To adjust tension, turn serrated nut (A Fig.8) on tension device to clockwise to increase tension, while turning it to counter-clockwise to decrease it.

2) Tension of the lower (bobbin) thread: (Fig.7)

The lower (bobbin) thread tension is controlled by the larger screw (2 Fig.7) near the end of the spring at the outside of the bobbin case. Turning this screw to clockwise to increase the thread tension, while turning it to counter-clockwise to decrease it.



10. ADJUSTMENT OF THE PRESSURE ON THE MATERIAL

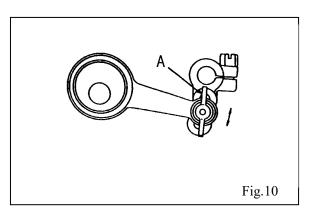
The pressure of the presser feet is adjusted by the screw D (Fig.2) with screwdriver. To increase the pressure, turn the screw to clockwise and to counter-clockwise to decrease it.

11. ADJUSTING THE LIFT OF THE ALTERNATING PRESSER FEET

(Fig.10)

The thickness of the material should control the height of the lift of the alternating presser feet. The lift should be just enough for clearance of the material.

1) With normal adjustment both feed lift to equal height: To later lift, loosen the wing nut A and move the link and stud assembly along the slot-move up to raise the feeding presser foot and push down to lower this foot. Tighten wing nut upon completion of adjustment. However, some materials may require unequal heigh of lift.



2) When altering the lift of the lifting presser foot (A Fig.5) unequally against that of the vibrating presser foot (B Fig.5) or vice versa, see the instructions "ADJUSTING THE HEIGHT OF THE PRESSER FEET".

12. STITCH LENGTH ADJUSTMENTS AND REVERSING LEVER (Fig.11)

Stitch length can be set by turning the detail 2. Numeric figures on the dial show the stitch length in mm. The desired numeric figure on the dial

should be set at just above, while depressing the reversing lever1 slightly.

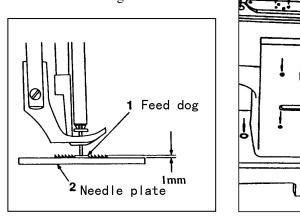


Fig.12

Fig.11

13. ADJUSTING THE HEIGHT OF THE FEED DOG (Fig.12)

The maximum height of the feed dog (1 Fig.12) from the surface of the needle plate (2 Fig.12) is normally 1 mm.

1) Lay down the machine head toward the other side, and turn the balance wheel so as to raise the feed dog to it highest point.

2) Loosen bell crank screw F (Fig.4) and adjust the height of the feed dog by raising or lowering it.

3) Securely tighten the screw upon completion of adjustment.

14. RELATIVE POSITION OF THE FEED DOG TO NEEDLE PLATE

(Fig.13)

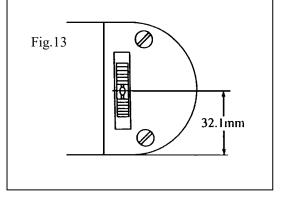
1) Set the stitch length at minimum.

2) Turn the balance wheel so as to raise the feed dog to its highest point.

3) Lay down the machine head toward the other side and loosen the screw 5 (Fig.4).

4) Adjust to be 32.1 mm from the edge of the needle plate to the center of the needle hole on the feed dog. (Fig.13)

5) Securely tighten the screw.



15. THE POSITION OF THE NEEDLE AND THE NEEDLE HOLE OF THE

FEED DOG

Turning the balance wheel to lower slowly the needle bar, check whether the needle descends to the center of the needle hole of the feeder or not. (Please check again the needle is perfect one.)

1) Remove the cover G (Fig.2) and loosen the screw 1 (Fig.13) slightly.

2) Holding the bottom of the needle bar rock frame H (Fig.3) move it as may be required to get the correct position to the feed dog.

3) Tighten the screw and close the cover.

16. TIMING THE NEEDLE WITH FEED DOG (Fig.15, Fig.16)

It is important that the timing relationship between the needle on its downwoard stroke and the feed dog movement is maintained at all times. When the scarf of the needle on the downward stroke reaches the top surface of the feed dog, the feed dog movement must start. When adjustment is required, use the following procedure to change the position of cam

1) Loosen the screw 1 for cover plate 2 and then remove the cover plate 2.

2) Normally put the arrow mark 7 of the cam 6 on the V ditch 5 of arm shaft. Then tighten the cam screw.

3) Turn the balance wheel to the needle at 1 mm up from its lowest point.

4) Pushing the stitch length regulating lever up and down, turen the cam 6 and set this at the point both the needle and the feed dog rest. After positioning completed, tighten the each screw securely.

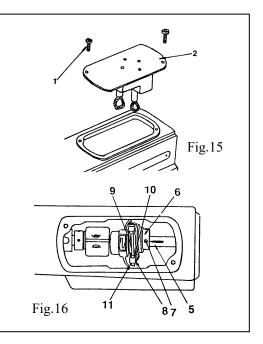
17. ADJUSTING THE HEIGHT OF THE

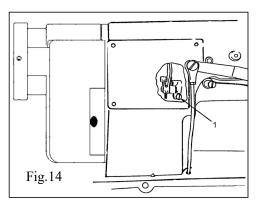
NEEDLE BAR (Fig.17)

When the needle bar is at its highest point, normally the measurement between the surface of the needle plate and the upper end of the needle eye is 22.3 mm.

You can also adjust this at its lowest point. In this case, normally the measurement between the surface of the needle plate and the upper end of the needle eye is 11 mm. To adjust this, loosen the screw J (Fig.3) and raise or lower the needle bar as may be required. Then, tighten the screw upon completion of adjustment.

NOTE: These measurements are approximate standard, accordingly, following final adjustments "TIMING BETWEEN THE HOOK AND THE NEEDLE" are recommended.

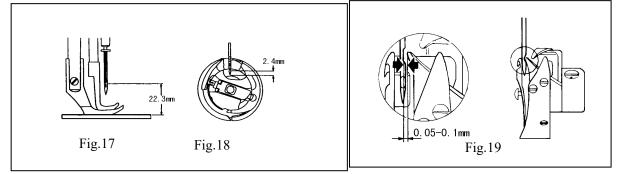




18. TIMING BETWEEN THE HOOK AND THE NEEDLE (Fig.18, Fig.19)

After setting the needle barheight, set stitch length to minimum, turn the balance wheel toward you until the needle bar reaches its lowest point. Continue turning and allow the needle bar to raise about 2 mm while on its upward stroke. With needle bar in this position, the point of the sewing hook should be at the center of the needle, and normally, the measurement between the hook point and the upper end of the needle eye should be 2.4 mm, further the clearance between the hook point and the needle hollow should be about 0.05 to 0.1 mm.

1) If the sewing hook should not be timed correctly, loosen the three set screws. Turn the hook shaft to align



the hook point with the center of the needle. Re-tighten the three set screws and re-check the timing of the sewing hook.

2) To adjust the clearance between the hook point and the needle hollow, loosen the two screws and move the hook to the right or to the left as may require. Please note one of the two screws is placed on the V ditch of hook shaft. Therefore, keep the screw on V ditch during adjustment. Re-tighten the acrews.

19. ADJUSTING THE HEIGHT OF THE PRESSER FEET (Fig.20)

1) Adjustment by the presser bar lifter: Loosen the screw 1 sufficiently, raise the presser bar lifter and lossen the set screw 2. Move the lifting presser foot up or down as may be required so as to get the correct height and tighten the screws.

2) Adjusting the lift of alternating presser feet: If the height of the lifting presser foot changes, the momentums of the lifting and vibrating presser foot vary, thus the height of the vibrating presser foot must be adjusted. To adjust this, lower the presser bar lifter, holding the vibrating presser foot B and loosen the hexagon screw 3 and move the presser foot the presser foot be adjusted.

foot up or down as may be required. After setting the position, tighten the screw.

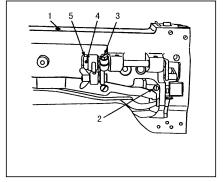


Fig.20

20. TIMING OF THE VIBRATING PRESSER FOOT

This is the normal timing when turn the balance wheel toward you, after lowering the presser bar lifter, the vibrating presser foot should reach the feed dog earlier than the needle eye comes to, and when the needle raises, the vibrating presser foot should leave the feed dog after the needle eye has left the feeder. This is due the reason that the vibrating presser foot must tightly hold the goods while the needle is passing the goods for avoiding irregular stitches. To adjust this, set the lift of the alternating presser feet to equal, loosen the two screws 4 (Fig.20) and adjust the rotating position of the cam 5 (Fig.20) faster or slower as may be desired, and tighten the screws.

21. ADJUSTMENT OF THE CLEARANCE BETWEEN FEED FORKED

CONNECTION AND FEED FORK COLLAR (Fig.15, Fig.16)

Incorrect clearance between the fork 8 of feed forked connection and feed fork collar 9 will bring irregular stitch length or overheating, etc. To adjust this, open the cover plate. Remove the cover plate and the oil reservoir. To increase the clearance, loosen the screw and turn the screw to left or counter-clockwise. This adjustment should be done with turning the balance wheel toward you to get correct clearance. Upon completion of adjustment, tighten the screw which is loosened to touch the feed fork.

22.ADJUSTING THE THREAD CONTROLLER SPRING (Fig.21)

Normally, the thread controller spring 1 should hold slack of the upper thread until the needle reaches to the goods, and it should pause while raising of the needle and passing of the upper thread through the bobbin case.

1) For more controller action on the thread: Loosen the stop screw 2, move the stop to the right (For less action, move to the left). Tighten the screw.

2) To adjust the tension spring: Loosen the serrated nut 4 and the screw 5. Turn the tension stud 6 slightly to

the left to strengthen the tension (to lighten the tension, turn to the right with a screwdriver. Tighten the screw and nut upon completion of adjustment.

23.ADJUSTMENT OF

KNIFE ENGAGEMENT(Fig.24)

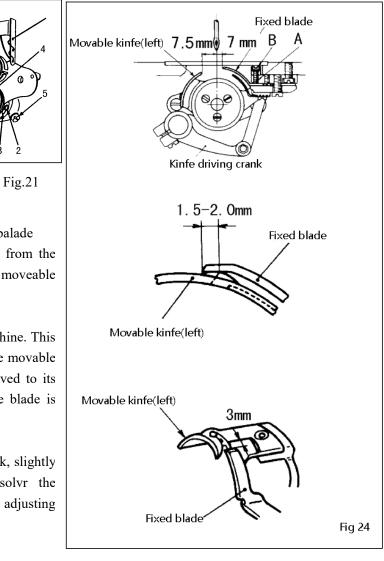
1)Postition of movable knife (left)adn fixed balade

See the illustration. The standard distances from the needle center are 7.5 mmand 7mm from the moveable knife (left) and fixed blade respectively.

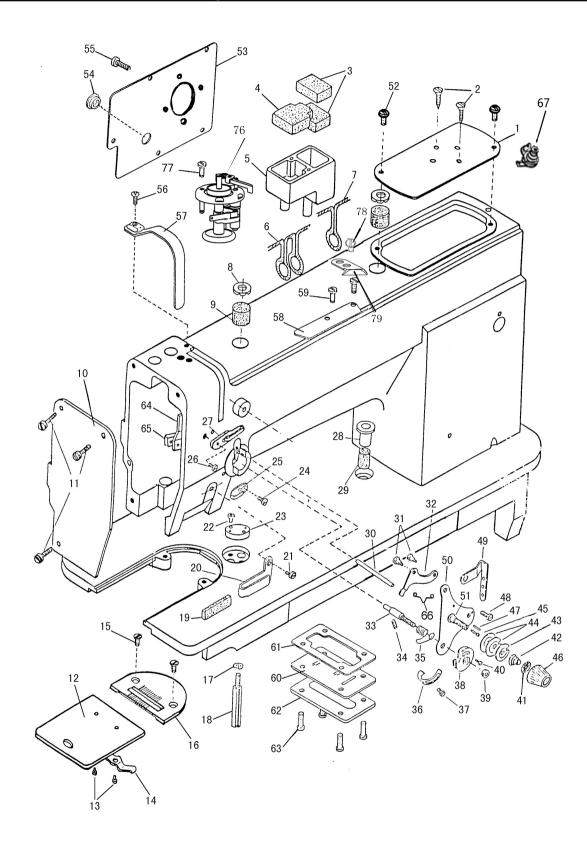
2)Adjustment of kinfe engagement

With the solenoid activated ,turn on the machine. This rotates the thread trimming cam which rotates the movable kinfe(left). When the movable kinfr(left) has moved to its farthest distance, the standard engagement of the blade is 1.5-2.0mm.

3)Adjustment of knife engaging pressure If a threa is poorly cut, particularly when it is thick, slightly increase the engaging pressure. Thi shold solvr the way;Loosen lock nut B and adjust it by using adjusting screw A.



A.ARM BED ITS ACCESSORIES



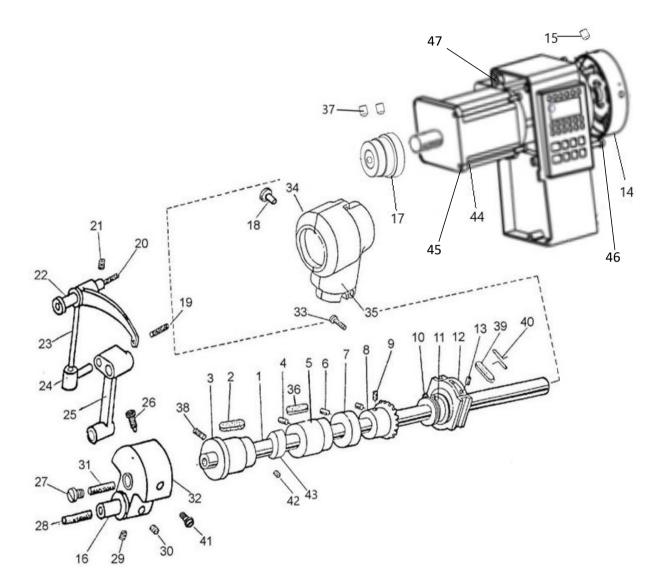
A.ARM BED AND ITS ACCESSORIES

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|-------------------------------|-------------|------------|--------------------------|
| A01 | H3115B0721 | Arm cover(right) | 1 | 1 | |
| A02 | HA06030080 | Screw | 2 | | |
| A03 | H2020M0069 | Felt | 1 | 1 | |
| A04 | H2020M0067 | Felt | 2 | 1 | |
| A05 | H2020M0066 | Arm oil box(right) | 1 | 1 | |
| A06 | H2020M0068 | 0il wick | 1 | 1 | |
| A07 | H2020M0068 | 0il wick | 1 | 1 | |
| A08 | H2400J2010 | Oil cap | 1 | 1 | |
| A09 | H2400J2020 | Oiling felt | 1 | 1 | |
| A10 | H3106B0671 | Face plate | 1 | 1 | |
| A11 | HA300B2170 | Screw | 2 | 2 | $SM11/64(40) \times 9$ |
| A12 | HA124B0711 | Slide plate | 1 | 1 | |
| A13 | HA124B0713 | Screw | 2 | 1 | $SM3/32(56) \times 2.2$ |
| A14 | HA124B0712 | Slide plate spring | 1 | 1 | |
| A15 | H2000B2050 | Screw | 2 | 2 | $SM11/64(40) \times 6.5$ |
| A16 | H3100B2090 | Needle plate | 1 | 1 | |
| A17 | H005008060 | Spring washer | 1 | 1 | |
| A18 | H2009B0653 | Leg | 1 | 1 | |
| A19 | H3108B0692 | Felt | 1 | 1 | |
| A20 | H3108B0691 | Thread guide | 1 | 1 | |
| A21 | HA500C2070 | Screw | 1 | 1 | $SM9/64(40) \times 5$ |
| A22 | HA300B2130 | Screw | 2 | 2 | $SM11/64(40) \times 5.5$ |
| A23 | H2000B2040 | Cloth guide plate | 1 | 1 | |
| A24 | HA106B0676 | Screw | 1 | 1 | $SM9/64(40) \times 6$ |
| A25 | HA106B0675 | Thread guide | 1 | 1 | |
| A26 | H2400B2080 | Screw | 1 | 2 | $SM3/16(28) \times 13$ |
| A27 | H2400B2070 | Thread guide | 1 | 1 | |
| A28 | H2000M0090 | Oil cap | 1 | 1 | |
| A29 | H2000M0080 | Felt | 2 | 2 | |
| A30 | H3100G2230 | Thread tension releasing pin | 1 | 1 | |
| A31 | H2504C6510 | Screw | 2 | 2 | |
| A32 | H3111B0704 | Tension releasing lever | 1 | 1 | |
| A33 | H31611B311 | Screw | 1 | | |
| A34 | HA300B2080 | Screw | 1 | 1 | $SM15/64(28) \times 6.8$ |
| A35 | H3111B0702 | Thread controller spring | 1 | 1 | |
| A36 | H3221B6819 | Thread controller spring stop | 1 | 1 | |
| A37 | H32481BC21 | Screw | 1 | | |
| A38 | H2504C0654 | Thread guide | 1 | 1 | |
| A39 | H2504C0658 | Nut | 1 | 1 | |
| A40 | H3111B0703 | Ser screw | 1 | 1 | $SM3/32(56) \times 6$ |
| | | | | | |

A.ARM BED AND ITS ACCESSORIES

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|--------------------------------|-------------|------------|-------------------------|
| A41 | HA115B7010 | Stop disc | 1 | 1 | |
| A42 | HA607B0068 | Tension releasing spring | 1 | 1 | |
| A43 | H2504C0657 | Thread tension releasing plate | 1 | 1 | |
| A44 | H2504C0656 | Thread tension disc | 2 | 2 | |
| A45 | H2504C0121 | Thread tension releasing pin | 1 | 1 | |
| A46 | HA310B0701 | Nut | 1 | 1 | |
| A47 | H31611B211 | Pin | 1 | | |
| A48 | HA7311C606 | Screw | 1 | | |
| A49 | H3100B2070 | Thread guide | 1 | | |
| A50 | H31611B111 | Tension bracket | 1 | | |
| A51 | H2504C0013 | Thread tension stud | 1 | 1 | |
| A52 | HA300B2170 | Screw | 2 | 2 | $SM11/64(40) \times 9$ |
| A53 | H3107B0681 | Arm side plat | 1 | 1 | |
| A54 | HA307E0674 | Rubber plug | 1 | | |
| A55 | HA300B2170 | Screw | 5 | 5 | |
| A56 | HA300B2160 | Screw | 1 | 1 | $SM11/64(40) \times 10$ |
| A57 | H3100B2060 | Thread take-up lever cover | 1 | 1 | |
| A58 | H2400B2100 | Thread guid | 1 | 1 | |
| A59 | HA700B2060 | Screw | 2 | 2 | |
| A60 | H2000M0180 | Oil window | 1 | 1 | |
| A61 | H2000M0190 | Sealing washer | 1 | 1 | |
| A62 | H2000M0200 | Gland | 1 | 1 | |
| A63 | HA300B2170 | Scre | 5 | 5 | $SM11/64(40) \times 9$ |
| A64 | H2400B2050 | Oil guard | 1 | 1 | |
| A65 | H2400B2060 | Plate for oil guard | 1 | 1 | |
| A66 | H3111B0705 | Plate spring | 1 | 1 | |
| A67 | H6738B7101 | Winding assem | 1 | 1 | |
| A74 | HKB5098001 | Modle brand | 1 | 1 | |
| A75 | H2404B0662 | Modle brand | 1 | 1 | |
| A76 | HFD1137101 | Winder asm | 1 | 1 | |
| A77 | H3107G0662 | Srew | 3 | 3 | |
| A78 | H6762B8001 | Screw | 2 | 2 | SM9/64×40/4.5 |
| A79 | H6756B8001 | Thread trimming plate | 1 | 1 | |
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B.ARM SHAFT MECHANISM



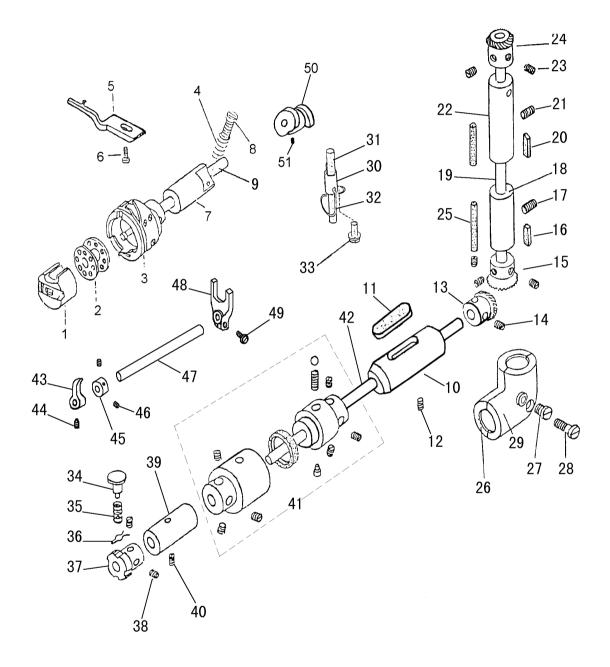
B.ARM SHAFT MECHANISM

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|----------------------------------|-------------|------------|----------------|
| B01 | H3100C2110 | Arm shaft | 1 | 1 | |
| B02 | H2009B0743 | Felt | 1 | 1 | |
| B03 | H31133B104 | Arm shaft bushing(left) | 1 | 1 | |
| B04 | HA100C2020 | Screw | 1 | 1 | SM15/64(28)×10 |
| B05 | H31122B204 | Arm shaft bushing(middle) | 1 | 1 | |
| B06 | HA105D0662 | Screw | 2 | 2 | SM1/4 (40) ×4 |
| B07 | HA105D0661 | Arm shaft collar | 1 | 1 | |
| B08 | HA113D2112 | bevel gear for arm shaft | 1 | 1 | |
| B09 | HA108D0663 | Set screw | 8 | 8 | SM1/4(40)×7 |
| B10 | HA112D3012 | C-type ring | 1 | 1 | |
| B11 | H3100E2010 | Feed and feed lifting eccentric | 1 | 1 | |
| B12 | HA3411D208 | Slide block | 1 | 1 | |
| B13 | HA3411D308 | Screw | 2 | 2 | |
| B14 | H2000C2040 | Balance wheel | 1 | | |
| B15 | HA110D0672 | Screw | 2 | | SM15/64(28)×12 |
| B16 | H3100C2070 | Hinge pin | 1 | 1 | |
| B17 | H2009B0732 | Arm shaft bushing(right) | 1 | 1 | |
| B18 | HA300B2110 | Rubber plug | 1 | 1 | |
| B19 | H3100C2050 | Oil wick | 1 | 1 | |
| B20 | H3100C2030 | Oil wick | 1 | 1 | |
| B21 | HA100C2020 | Screw | 1 | 1 | SM15/64(28)×10 |
| B22 | H3100C2020 | Hinge pin | 1 | 1 | |
| B23 | H3100C2010 | Thread take-up lever | 1 | 1 | |
| B24 | H3100C2040 | Slide lever | 1 | 1 | |
| B25 | H4200C2060 | Needle bar connecting stud | | 1 | |
| B25 | H3100C2060 | Needle bar connecting stud | 1 | | |
| B26 | HA100C2070 | Set screw | 1 | | SM9/32 (28) |
| B26 | H4206C8001 | Screw | | 1 | SM9/32 (28) |
| B27 | H3100C2130 | Arm shaft oil packing stop screw | 1 | 1 | |
| B28 | H3100C2080 | Oil wick | 1 | 1 | |
| B29 | HA105D0662 | Screw | 1 | | SM1/4 (40) ×4 |
| B30 | HA108C0663 | Set screw | 1 | | SM1/4 (40) ×7 |
| B30 | HA307C0662 | Set screw | | 2 | SM1/4 (40) ×6 |
| B31 | H3100C2120 | Oil wick | 1 | 1 | |
| B32 | H4204C0651 | Needle bar crank | | 1 | |
| B32 | H3100C2090 | Needle bar crank | 1 | | |
| B33 | H409050140 | Screw | 2 | 2 | |
| B34 | H2017M0067 | Bevel gear cover(up-backward) | 1 | 1 | |
| B35 | H2017M0065 | Bevel gear cover(up-foreward) | 1 | 1 | |
| B36 | H31122B104 | Felt | 1 | 1 | |
| B37 | H2009B0731 | Felt | 1 | 1 | |
| B38 | | Screw | 1 | 1 | SM15/64(28)×10 |
| B39 | | Felt | 1 | 1 | |

B.ARM SHAFT MECHANISM

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|-------------------------|-------------|------------|-----------------|
| B40 | H20111C106 | Oiling felt presser pin | 1 | 1 | |
| B41 | | Screw | 1 | | SM9/32 (28) ×12 |
| B41 | | Screw | | 1 | SM9/32 (28) ×12 |
| B42 | | Screw | 2 | 2 | SM1/4(40)×6 |
| B42 B43 | | Runner | 1 | 1 | 514177(40)/0 |
| | | | | | |
| B44 | HKI5037101 | Electronic control unit | 1 | 1 | 145-20 |
| B45 | H415050200 | Screw | 4 | | M5×20 |
| B46 | H415050400 | Screw | 3 | | M5×40 |
| B47 | H415050200 | Screw | 1 | 1 | M5×20 |
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C.ROTATING HOOK SHAFT MECHANISM



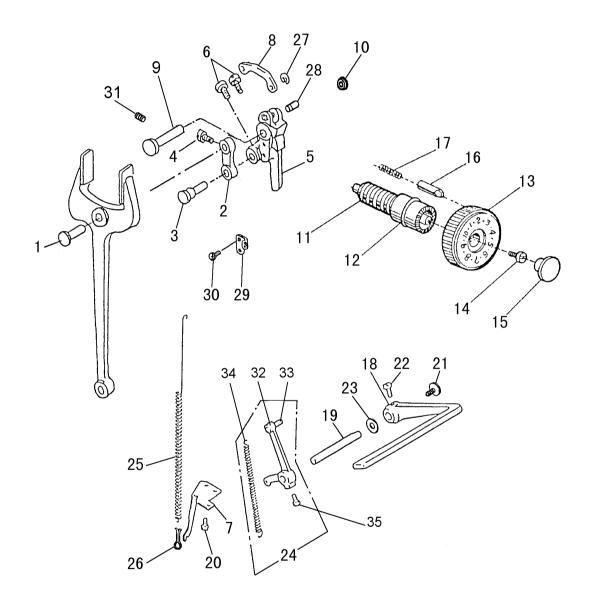
C.ROTATING HOOK SHAFT MECHANISM

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|--------------------------------------|-------------|------------|-----------------|
| C01 | HA600E2080 | Bobbin case complet | | 1 | |
| C01 | HA600E2080 | Bobbin case complete | 1 | | |
| C02 | H1100E2010 | Bobbin | | 1 | |
| C02 | H1100E2010 | Bobbin | 1 | | |
| C03 | HA606E0066 | Rotating hook complete | | 1 | |
| C03 | HA606E0066 | Rotating hook complete | 1 | | |
| C04 | H2000M0070 | Screw | 1 | 1 | |
| C05 | HA600E2040 | Rotating hook positione | | 1 | |
| C05 | HA600E2040 | Rotating hook positioner | 1 | | |
| C06 | HA100E2150 | Screw | 1 | 1 | SM11/64(40)×10 |
| C07 | H2009B0772 | Hook shaft bushing(left) | | 1 | |
| C08 | H2000M0070 | Screw | | 1 | |
| C09 | H2200C2030 | Rotating hook shaft | | 1 | |
| C09 | H3100D2050 | Rotating hook shaft(left) | 1 | | |
| C10 | H31185B104 | Hook shaft bushing(right) | | 1 | |
| C10 | H31185B104 | Hook shaft bushing(right) | 1 | | |
| C11 | H31185B204 | Felt | | 1 | |
| C11 | H31185B204 | Felt | 1 | | |
| C12 | H2000I2080 | Screw | 1 | 1 | SM11/64(40)×8.5 |
| C13 | HA113D2212 | Bevel gear for hook shaft | 1 | 1 | |
| C14 | HA108C0663 | Set screw | 4 | 4 | SM1/4 (40) ×7 |
| C15 | HA113D2222 | Bevel gear for vertical shaft(lower) | 1 | 1 | |
| C16 | H2009B0711 | Felt | 1 | 1 | |
| C17 | HA100C2020 | Screw | 1 | 1 | SM15/64(28)×10 |
| C18 | H2009B0721 | Vertical shaft bushing(lower) | 1 | 1 | |
| C19 | H3104D0651 | Vertical shaft | 1 | 1 | |
| C20 | H2009B0711 | Felt | 1 | 1 | |
| C21 | HA100C2020 | Screw | 1 | 1 | SM15/64(28)×10 |
| C22 | H31196B104 | Vertical shaft bushing(up) | 1 | 1 | |
| C23 | HA108C0663 | Set screw | 2 | 2 | SM1/4 (40) ×7 |
| C24 | HA113D2122 | Bevel gear for vertical shaft(up) | 1 | 1 | |
| C25 | H2009B0712 | Oil wick | 2 | 2 | |
| C26 | H2018M0066 | Bevel gear for cover(lower-backward) | 1 | 1 | |
| C27 | HA300B2110 | Rubber plug | 2 | 2 | |
| C28 | HA108C0663 | Screw | 1 | 1 | M5×14 |
| C29 | H2018M0065 | Bevel gear cover(lower-foreward) | 1 | 1 | |
| C30 | H2008M0065 | Oil pipe | 1 | 1 | |
| C31 | H2008M0066 | Felt | 1 | 1 | |
| C32 | H2008M0067 | Oiling felt spring | 1 | 1 | |
| C33 | HA300B2170 | Screw | 1 | 1 | SM11/64(40)×9 |
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C.ROTATING HOOK SHAFT MECHANISM

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|-------------|-------------------------------------|-------------|------------|-------------------|
| C34 | H3100D2060 | Push button | 1 | | |
| C35 | H3100D2090 | Push button spring | 1 | | |
| C36 | H007013035 | Stop ring | 1 | | |
| C37 | H3121D8001 | Ratchet wheel | 1 | | |
| C37 | H3100D2080 | Hook shaft lock ratchet | 1 | | |
| C38 | HA307C0662 | Screw | 2 | | SM1/4 (40) ×6 |
| C38 | | Screw | 2 | | SM15/64 (28) ×4.5 |
| C39 | HA704B0653 | Hook shaft bushing(middle) | | 1 | |
| C39 | H3104B0074 | Hook shaft bushing(middle) complete | 1 | | |
| C40 | H2000I2080 | Set screw | 1 | | SM11/64(40)×8.5 |
| C41 | H3106D0066 | Safety clutch complete | 1 | | |
| C42 | H3100D2020 | Hook shaft(right) | 1 | | |
| C43 | H3100D2130 | Positioner | 1 | | |
| C44 | H3100D2140 | Screw | 1 | | |
| C45 | H3100D2120 | Positioner | 1 | | |
| C46 | HA100C2090 | Screw | 2 | | SM15/64 (28) ×4.5 |
| C47 | | Pin | 1 | | |
| C48 | H3100D2150 | Fork | 1 | | |
| C49 | H415050120 | Screw | 1 | | M5×12 |
| C50 | HA810E0691 | Thread trimming eccentric | 1 | 1 | |
| C51 | HA810E0692 | Screw | | 2 | |
| 001 | 11101020092 | | | - | |
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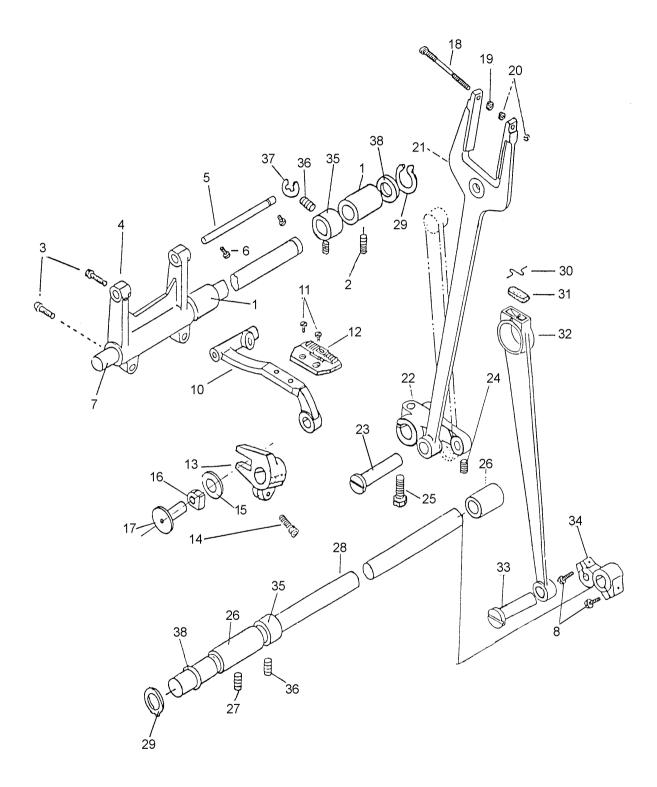
D.STITCH REGULATOR MECHANISM



D.STITCH REGULATOR MECHANISM

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|-----------------------------------|-------------|------------|------------------|
| D01 | HA104F0651 | Hinge pin | 1 | 1 | |
| D02 | HA104F0652 | Feed connecting link | 1 | 1 | |
| D03 | H3100E2170 | Feed connecting link hinge pin | 1 | 1 | |
| D04 | HA104F0654 | Screw | 1 | 1 | SM15/64 (28) ×10 |
| D05 | H42111E104 | Feed regulator cam | | 1 | |
| D05 | H3100E2060 | Feed regulator cam | 1 | | |
| D05 | H4500E2010 | Feed regulator cam | | | |
| D06 | HA104F0654 | Screw | 2 | 2 | SM15/64 (28) ×10 |
| D07 | H2200D2030 | Spring retainer | | 1 | |
| D07 | H2000F2030 | Spring retainer | 1 | | |
| D08 | H2204D0651 | Reverse link | | 1 | |
| D09 | H3100E2230 | Hinge pin for feed regulator | 1 | 1 | |
| D09 | H2006C0661 | Hinge pin for feed regulator | | | |
| D10 | HA700B2120 | Rubber plug | 1 | 1 | |
| D11 | HA109F0671 | Feed regulator screw bar | 1 | 1 | |
| D12 | HA109F0674 | O-ring | 1 | 1 | |
| D13 | H1104F0651 | Dial | | 1 | |
| D13 | H3100E2070 | Dial | 1 | | |
| D14 | HA109F0673 | Screw | 1 | 1 | SM3/16 (28) ×8 |
| D15 | HA100F2070 | Rubber plug | 1 | 1 | |
| D16 | HA100F2080 | Stopper pin | 1 | 1 | |
| D17 | HA100F2090 | Spring for stopper pin | 1 | 1 | |
| D18 | HA309F0671 | Reverse feed lever | 1 | 1 | |
| D19 | H2005F0065 | Reverse feed lever pin | 1 | 1 | |
| D20 | HA300C2030 | Screw | 2 | 2 | SM11/64(40)×8 |
| D21 | HA113F0683 | Screw | 1 | 1 | |
| D22 | HA104F0654 | Screw | 2 | 2 | SM15/64 (28) ×10 |
| D23 | HA100F2110 | Washer | 1 | 1 | |
| D24 | H4205E0066 | Reverse feed lever crank complete | | 1 | |
| D24 | H3111E0065 | Reverse feed lever crank complete | 1 | | |
| D25 | H2204D0654 | Spring | | 1 | |
| D26 | HA806C0675 | Spring retainer | | 1 | |
| D27 | H007013040 | Stop ring | | 1 | |
| D28 | H2204D0652 | Pin | | 1 | |
| D29 | H2204D0653 | Spring retainer | | 1 | |
| D30 | HA100C2190 | Screw | | 2 | SM11/64(40)×8 |
| D31 | H2405D0664 | Screw | 1 | 1 | |
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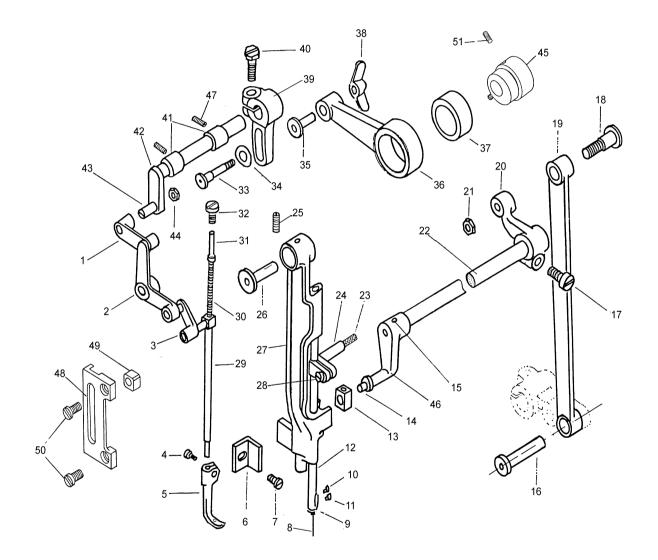
E.LOWER FEEDING MECHANISM



E.LOWER FEEDING MECHANISM

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|--------------------------------------|-------------|------------|------------------|
| E01 | H2009B0069 | Feed rock shaft bushing | 2 | 2 | |
| E02 | HA100C2020 | Set screw | 2 | 2 | SM15/64(28)×10 |
| E03 | HA304G0656 | Screw | 2 | 2 | |
| E04 | H3100E2110 | Feed rock shaft crank | 1 | 1 | |
| E05 | H3100E2120 | Feed bar shaft | 1 | 1 | |
| E06 | HA100C2020 | Screw | 2 | 2 | SM15/64(28)×10 |
| E07 | H2005L0065 | Feed rock shaft | 1 | 1 | |
| E08 | HA104G0012 | Screw | 2 | 2 | |
| E10 | H3116E0661 | Feed bar | 1 | 1 | |
| E11 | HA104G0654 | Screw | 2 | 2 | SM1/8(44)×6 |
| E12 | H3100E2160 | Feed dog | 1 | | |
| E12 | H4206E0671 | Feed dog | | 1 | |
| E13 | H3100E2140 | Feed lifting rock shaft crank(left) | 1 | 1 | |
| E14 | H415050120 | Screw | 2 | 2 | M5×12 |
| E15 | H3100E2200 | Washer | 1 | 1 | |
| E16 | H3100E2190 | Slide block | 1 | 1 | |
| E17 | HA305G1012 | Slide block shaft | 1 | 1 | |
| E18 | H3100E2050 | Screw | 1 | 1 | |
| E19 | H3100E2180 | Nut 1 | 1 | 1 | M4 |
| E20 | H3100E2190 | Nut 2 | 2 | 2 | М3 |
| E21 | H3100E2040 | Feed forked connection | 1 | 1 | |
| E22 | H3100E2090 | Feed rock shaft crank | 1 | 1 | |
| E23 | HA100G2070 | Feed rock shaft crank hinge pin | 1 | 1 | |
| E24 | HA104F0654 | Screw | 3 | 3 | SM15/64 (28) ×10 |
| E25 | H3100E2100 | Screw | 1 | 1 | |
| E26 | H2009B0069 | Feed lifting rock shaft bushing | 2 | 2 | |
| E27 | HA100C2020 | Screw | 2 | 2 | SM15/64(28)×10 |
| E28 | H2004K0065 | Feed lifting rock shaft | 1 | 1 | |
| E29 | H007009150 | Stop ring | 2 | 2 | |
| E30 | H20111C106 | Oiling felt spring | 1 | 1 | |
| E31 | H20111C206 | Felt | 1 | 1 | |
| E32 | H3100E2030 | Feed lifting link | 1 | 1 | |
| E33 | HA100G2070 | Feed rock shaft crank hinge pin | 1 | 1 | |
| E34 | HA306G0671 | Feed lifting rock shaft crank(right) | 1 | 1 | |
| E35 | HA108G0661 | Feed rock shaft collar | 2 | 2 | |
| E36 | HA105D0662 | Set screw | 4 | 4 | SM1/4(40)×4 |
| E37 | H007013050 | Stop ring | 1 | 1 | 、 <i>´</i> |
| E38 | HA100G2130 | Washer | 2 | 2 | |
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F.NEEDLE BAR FEEDING MECHANISM

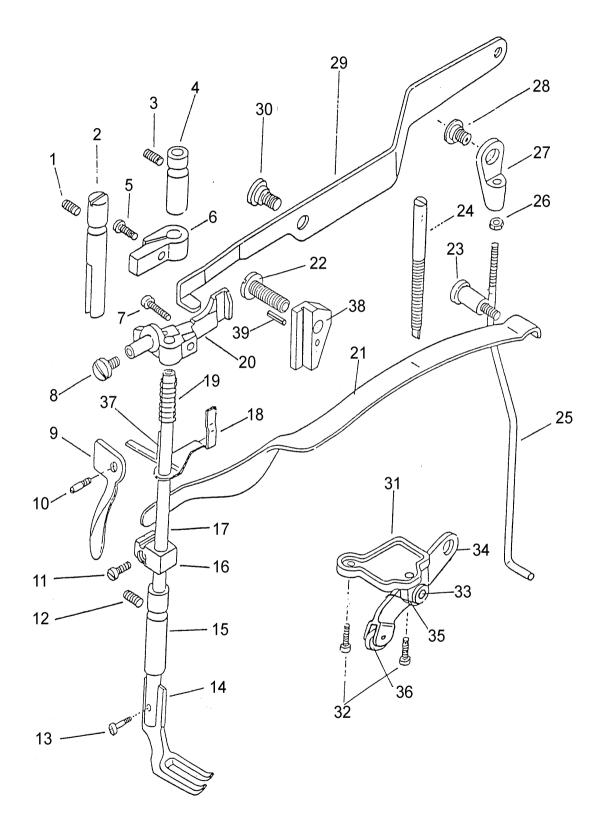


F.NEEDLE BAR FEEDING MECHANISM

| Fig . NO. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|--------------|------------|---|-------------|------------|----------------|
| F01 | H3100F2010 | Crank link | 1 | 1 | |
| F02 | H3100F2020 | Lifting bell crank | 1 | 1 | |
| F03 | H3100F2030 | Link | 1 | 1 | |
| F04 | HA700F2100 | Screw | 1 | 1 | |
| F05 | H3111F0651 | Vibrating presser foot | 1 | 1 | |
| F06 | H3100F2240 | Needle bar rack frame position bracket | 1 | 1 | |
| F07 | H3400C2020 | Screw | 1 | 1 | |
| F08 | H2000G2030 | Needle | 1 | 1 | DP×17 22# |
| F09 | H3129F0693 | Needle bar thread guide | 1 | 1 | |
| F10 | H3129F0691 | Screw | 1 | 1 | SM3/32(56)×2.5 |
| F11 | HA100C2170 | Screw | 1 | 1 | SM1/8(44)×4.5 |
| F12 | H3129F0692 | Needle bar | 1 | 1 | |
| F13 | H3100F2270 | Needle bar rock frame slide block | 1 | 1 | |
| F14 | H3406C0671 | Needle bar rock frame slide block stud | 1 | 1 | |
| F15 | H602040240 | Set screw | 1 | 1 | |
| F16 | HA100G2070 | Hinge pin | 1 | 1 | |
| F17 | H3132F0712 | Screw | 1 | 1 | |
| | H3100F2310 | Screw | 1 | 1 | |
| F19 | H3100F230 | Needle bar rock frame rock shaft crank connection | 1 | 1 | |
| F20 | H3132F0711 | Needle bar rock frame rock shaft crank (right) | 1 | 1 | |
| F21 | H2010J0066 | Nut | 1 | 1 | |
| F22 | H3131F0703 | Needle bar rock frame rock shaft | 1 | 1 | |
| F23 | H3126F0683 | Oil wick | 1 | 1 | |
| F24 | H4200F2010 | Needle bar adaptor | 1 | 1 | |
| F25 | HA100C2020 | Screw | 1 | 1 | SM15/64(28)×10 |
| | H3100F2200 | Needle bar rock frame hinge stud | 1 | 1 | |
| | H3100F2220 | Needle bar rock frame | 1 | 1 | |
| | HA7311CD06 | Screw | 1 | 1 | |
| F29 | H3100F2070 | Vibrating presser bar | 1 | 1 | |
| F30 | H3100F2060 | Vibrating presser bar extension spring | 1 | 1 | |
| F31 | H3100F2050 | Vibrating presser bar extension | 1 | 1 | |
| F32 | H3100F2040 | Screw | 1 | 1 | |
| F33 | H3100F2130 | Hinge pin | 1 | 1 | |
| F34 | H005001060 | Washer | 1 | 1 | |
| F35 | H3100F2150 | Lifting eccentric connecting collar | 1 | 1 | |
| F36 | H3100F2170 | Lifting eccentric connection | 1 | 1 | |
| F37 | H3100F2180 | Needle bearing | 1 | 1 | |
| F38 | H3100F2160 | Nut | 1 | 1 | |
| | H3115F0672 | Lifting eccentric connecting crank | 1 | 1 | |
| F40 | H3115F0671 | Screw | 1 | 1 | |
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F.NEEDLE BAR FEEDING MECHANISM

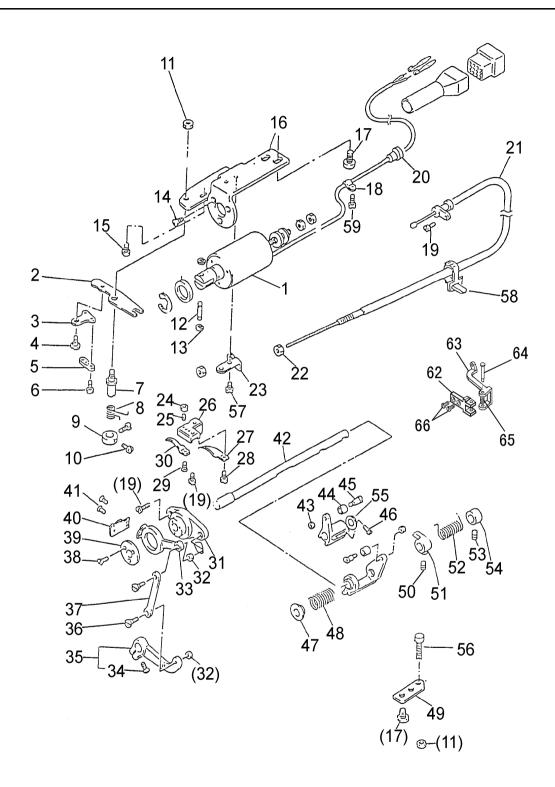
| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|--|-------------|------------|-----------------|
| F41 | H3100F2100 | Lifting rock shaft bushing | 2 | 2 | |
| F42 | H3112F0663 | Lifting rock shaft | 1 | 1 | |
| F43 | H3112F0661 | Screw | 1 | 1 | |
| F44 | H3112F0662 | Nut | 1 | 1 | |
| F45 | H3100F2330 | Lifting eccentric | 1 | 1 | |
| F46 | H3131F0704 | Needle bar rock frame rock shaft crank(left) | 1 | 1 | |
| F47 | HA100B2110 | Set screw | 2 | 2 | SM11/64(40)×5.5 |
| F48 | H3100F2340 | Guide for slide block | 1 | 1 | |
| F49 | H3100F2350 | Slide block | 1 | 1 | |
| F50 | H3100F2360 | Screw | 2 | 2 | SM9/64(40)×7 |
| F51 | HA105D0662 | Screw | 2 | 2 | |
| F52 | HA7311C306 | Screw | 2 | 2 | |
| F53 | H3100F2370 | Stop plate | 1 | 1 | |
| F54 | H3200I2030 | Washer | 1 | 1 | |
| | | | | | |



G.PRESSER FOOT MECHANISM

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|--|-------------|------------|--------------|
| G01 | HA3411D308 | Set screw | 1 | 1 | |
| G02 | H3100G2020 | Presser bar position guide | 1 | 1 | |
| G03 | HA100C2020 | Set screw | 1 | 1 | |
| G04 | H3104B0654 | Presser bar bushing(upper) | 1 | 1 | |
| G05 | H2404I0034 | Screw | 1 | 1 | |
| G06 | H3106G0652 | Presser bar position guide bracket | 1 | 1 | |
| G07 | H3107G0661 | Screw | 1 | 1 | |
| G08 | H3107G0662 | Screw | 1 | 1 | |
| G09 | H3100G2070 | Presser bar lifter | 1 | 1 | |
| G10 | H3100G2080 | Screw | 1 | 1 | |
| G11 | H2404I0034 | Screw | 1 | 1 | |
| G12 | HA100C2020 | Screw | 1 | 1 | |
| G13 | H3100G2120 | Screw | 1 | 1 | SM9/64(40)×6 |
| G14 | H3100G2110 | Lifting presser foot | 1 | 1 | |
| G15 | H3104B0656 | Presser bushing(lower) | 1 | 1 | |
| G16 | H3113G0671 | Presser bar spring bracket | 1 | 1 | |
| G17 | H3100G2090 | Presser bar | 1 | 1 | |
| G18 | H3109G0651 | Tension release slide | 1 | 1 | |
| G19 | H3100G2050 | Tension release spring | 1 | 1 | |
| G20 | H3107G0663 | Presser bar lifting bracket | 1 | 1 | |
| G21 | H3100G2150 | Presser bar spring | 1 | 1 | |
| G22 | H3100G2220 | Screw | 1 | 1 | SM1/4(24)×20 |
| G23 | H3100G2170 | Screw | 1 | 1 | |
| G24 | H3100G2160 | Screw | 1 | 1 | |
| G25 | H3100G2240 | Knee lifter lifting lever connecting rod | 1 | 1 | |
| G26 | H2000I2160 | Nut | 1 | 1 | |
| G27 | H2000I2150 | Knee lifter lifting lever connecting rod joint | 1 | 1 | |
| G28 | H2000I2140 | Screw | 1 | 1 | |
| G29 | H3100G2140 | Knee lifter lifting lever | 1 | 1 | |
| G30 | H3100G2130 | Screw | 1 | 1 | |
| G31 | H3128G0651 | Knee lifter bell crank base | 1 | 1 | |
| G32 | H2000I2200 | Screw | 1 | 1 | |
| G33 | H604050180 | Pin | 1 | 1 | |
| G34 | H3128G0652 | Knee lifter bell crank | 1 | 1 | |
| G35 | H2000I2190 | Spring for knee lifter bell crank | 1 | 1 | |
| G36 | H2021I0068 | Roller | 1 | 1 | |
| G37 | H3109G0652 | Guide for tension release slide | 1 | 1 | |
| G38 | H3100G2210 | Presser bar lifting bracket guide | 1 | | |
| G38 | H4206C8001 | Presser bar lifting bracket guide | | 1 | |
| G39 | H609025180 | Spring pin | 1 | 1 | |
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| | | | L | L | <u> </u> |

H.KNIFE MECHANISM



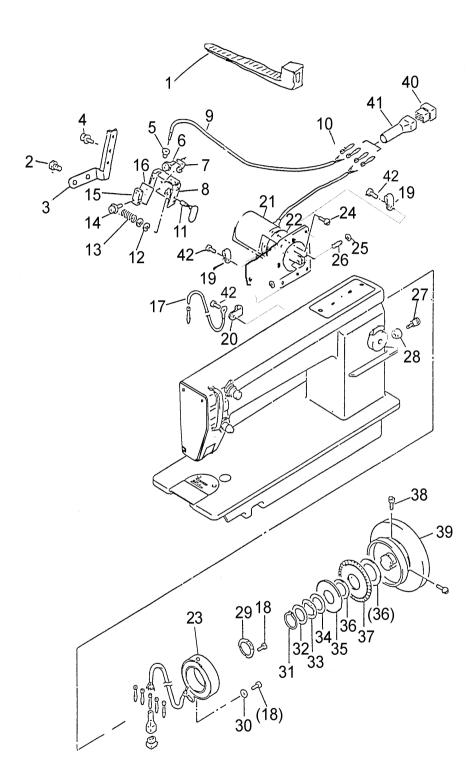
H.KNIFE MECHANISM

| 序号 | 中国图号 | 名 称 | GC0618-1SCZ | GC0618-1DZ | 备注 |
|-----|------------|------------------------------------|-------------|------------|------------------|
| H01 | HA7511N112 | Solenoid | | 1 | |
| H02 | HA712N0698 | Thread trimmer driving lever | | 1 | |
| H03 | HA712N6910 | Flexible wire presser | | 1 | |
| H04 | HA712N0699 | Screw | | 1 | SM11/64(40)×4 |
| H05 | HA712N6911 | Flexible wire presser | | 1 | |
| H06 | HA712N6912 | Screw | | 2 | SM1/8(44)×7 |
| H07 | HA712N0695 | Stud screw | | 1 | |
| H08 | HA712N0697 | Spring | | 1 | |
| H09 | HA712N0696 | Collar | | 1 | |
| H10 | HA7311CC06 | Screw | | 2 | |
| H11 | HA710N0683 | Nut | | 1 | |
| H12 | HA712N0692 | Link stud | | 1 | |
| H13 | H007013040 | Washer | | 2 | |
| H14 | HS90011406 | Screw | | 3 | M4×6 |
| H15 | HA100E2150 | Screw | | 1 | SM11/64(40)×10 |
| H16 | HA7511N212 | Solenoid bracket | | 1 | |
| H17 | HA700N0080 | Screw | | 4 | SM15/64(28)×12 |
| H18 | HA708P0668 | Cord holder | | 4 | |
| H19 | HA300B2170 | Screw | | 1 | |
| H20 | HA704O0657 | Rubber plug | | 1 | |
| H21 | HA713N0070 | Flexible wire complete | | 1 | |
| H22 | H003002050 | Nut | | 2 | M5 |
| H23 | H2208H0681 | Flexible wire base | | 1 | |
| H24 | HA7121N704 | Nut | | 2 | SM9/64(40) |
| H25 | HA7121N604 | Screw | | 1 | SM9/64(40)×8.5 |
| H26 | | Bracket for fixed blade | | 1 | |
| H27 | H22121H204 | Thread finger | | 1 | |
| H28 | | Screw | | 1 | SM9/64(40)×8 |
| H29 | HA7121N304 | Screw | | 1 | SM9/64(40)×5 |
| H30 | H4204H1111 | Fixed blade | | 1 | |
| H31 | HA704N1111 | Knife holding bracket saddle | | 1 | |
| H32 | HA7111N304 | Nut | | 2 | SM11/64(40) |
| H33 | HA904N1111 | Knife holding bracket saddle(left) | | 1 | |
| H34 | HA719B7011 | Screw | | 1 | SM11/64(40)×11.4 |
| H35 | HA7111N604 | Knife driving crank | | 1 | |
| H36 | HA7111N204 | Screw | | 2 | SM11/64(40)×6.2 |
| H37 | HA7111N404 | Link | | 1 | |
| H38 | HA704N1114 | Screw | | 3 | SM1/8(44)×5.2 |
| H39 | HA704N1113 | Washer | | 1 | |
| H40 | H2204H0651 | Fixed blade | | 1 | |
| H41 | HA7111N704 | Screw | | 2 | SM11/64(40)×5.5 |
| H42 | H2200H2020 | Driving crank shaft | | 1 | |
| H43 | HA706N0663 | Nut | | 2 | <u> </u> |

H.KNIFE MECHANISM

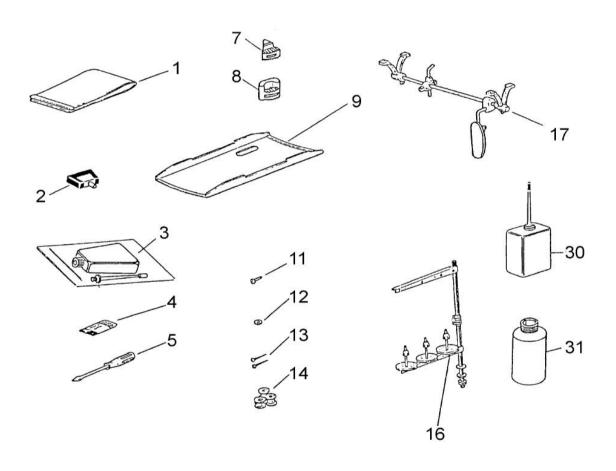
| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|--------------------------|---------------------|-------------|------------|-----------------|
| H44 | HA7221N106 | Roller | | 2 | |
| H45 | HA7221N206 | Roller pin | | 2 | |
| H46 | HA113F0684 | Screw | | 2 | SM15/64(28)×8.5 |
| H47 | HA700N0050 | Spring cover | | 1 | |
| H48 | | Spring | | 1 | |
| H49 | | Lever stopper plate | | 1 | |
| H50 | | Screw | | 1 | |
| H51 | H2206H0661 | Stopper lever | | 1 | |
| H52 | HA700N0110 | Coil spring | | 1 | |
| Н53 | | Collar | | 1 | |
| Н54 | | Screw | | 1 | |
| H55 | | Washer | | 1 | |
| H56 | H2207H0671 | Screw | | 1 | |
| H57 | | Screw | | 2 | |
| H58 | HA300C2030 HA300I2040 | Wire holder | | 1 | |
| нз» Н59 | | | | | |
| | | Screw | | 2 | |
| H60 | HA7211N106 | Crank 1 | | 1 | |
| H61 | | Crank 2 | | 1 | |
| H62 | H4205C0661 | Hinge pin bracket | | 1 | |
| H63 | H4205C0662 | Hinge pin | | 1 | |
| H64 | H4205C0663 | Pin | | 1 | |
| H65 | H4205C0664 | Spring | | 1 | |
| H66 | HA104G0654 | Screw | | 2 | |
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I.TOUCH BACK AND DETECTOR MECHANISM



I.TOUCH BACK AND DETECTOR MECHANISM

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|------------|----------------------------|-------------|------------|----------------|
| I01 | HA300I2040 | Wire holder | | 1 | |
| I02 | HA300B2170 | Screw | | 2 | |
| I03 | H4204I0651 | Switch bracket | | 1 | |
| I04 | H411030060 | Screw | | 2 | |
| I05 | HA704O0657 | Rubber plug | | 1 | |
| I06 | HA704O0659 | Screw | | 2 | |
| I07 | HA704O0654 | Plate spring | | 1 | |
| I08 | H2205I0661 | Switch bracket | | 1 | |
| I09 | HA7161O104 | Switch wire | | 1 | |
| I10 | HA7641B319 | Tie-in | | 2 | |
| I11 | HA704O0021 | Touch switch complete | | 1 | |
| I12 | H007013030 | Stop ring | | 2 | |
| I13 | HA704O0653 | Spring | | 1 | |
| I14 | HA704O6510 | Screw | | 2 | |
| I15 | HA704O0655 | Micro switch | | 1 | |
| I16 | HA704O0658 | Insulator seet | | 1 | |
| I17 | HA705Q0065 | Ground wire assy. | | 1 | |
| I18 | HA300C2030 | Screw | | 2 | |
| I19 | HA708P0668 | Cord holder | | 4 | |
| I20 | HA700Q0050 | Cord holder | | 1 | |
| I21 | H2206I0673 | Solenoid | | 1 | |
| I22 | H2609E0674 | Washer | | 1 | |
| I23 | HA703R0065 | Detector complete | | 1 | |
| I24 | HA300C2030 | Screw | | 4 | |
| I25 | H007013040 | Washer | | 2 | |
| I26 | HA712N0692 | Link stud | | 1 | |
| I27 | H2204G0651 | Screw | | 1 | |
| I28 | H2204G0652 | Stop ring | | 1 | |
| I29 | HA703R0066 | Detector bracket supporter | | 1 | |
| I30 | HA703R0067 | Washer | | 1 | |
| I31 | H007009300 | Stop ring | | 1 | |
| I32 | HA700R0060 | Washer | | 1 | |
| 133 | HA700R0050 | Supporter spring | | 1 | |
| I34 | HA700R0040 | Spacer 2 | | 1 | |
| 135 | HA700R0020 | Speed command disc 2 | | 1 | |
| 136 | HA700R0030 | Spacer 1 | | 2 | |
| 137 | HA700R0010 | Speed command disc 1 | | 1 | |
| I38 | HA110D0672 | Screw | | 2 | SM15/64(28)×12 |
| 139 | H2204I0651 | Balance wheel | | 1 | |
| I40 | HA700Q0010 | Pin | | 1 | |
| I41 | HA7641B319 | Tie-in | | 1 | |
| I42 | HA300B2160 | Screw | | 3 | SM11/64(40)×10 |
| | | | | | |



J.ACCESSORIES

| Fig. No. | Part No. | Description | GC0618-1SCZ | GC0618-1DZ | Remarks |
|-------------|--------------------------|-----------------------|-------------|------------|-----------|
| J01 | HA300J2180 | Vinyl cover | 1 | 1 | |
| J02 | HA307J0067 | Bed hinge connection | 2 | 2 | |
| J03 | H2004O0069 | Oiler | 1 | 1 | |
| J04 | H2000G2030 | Needle | 1 | 1 | DP×17 22# |
| J05 | HA300J2210 | Screw driver(small) | 1 | 1 | |
| J07 | H2004O0066 | Rubber cushion(small) | 2 | 2 | |
| J08 | H2004O0065 | Rubber cushion(large) | 2 | 2 | |
| J09 | H2207J0065 | Oil pan assy. | 1 | 1 | |
| J11 | H801045200 | Screw | 2 | 2 | 4.5×20 |
| J12 | HA300J2230 | Washer | 2 | 2 | |
| J13 | 11130032230 | Nail | 10 | 10 | |
| J14 | HA600E2060 | Bobbin | 10 | 3 | |
| J14 | H1100E2010 | Bobbin | 3 | 5 | |
| J14 J16 | HA200J2030 | Thread stand | 1 | 1 | BZ009 |
| J17 | HA200J2030 H3104H0065 | Knee lifter assy. | 1 | 1 | BZ009 |
| J30 | H2004O0069 | Oiler | 1 | 1 | |
| J30 J31 | H200400089 HA600J2030 | Oiler | 1 | 1 | |
| | | | | | |



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