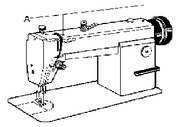
# TYPICAL

## GC6 SERIES

HIGH SPEEDLE LOCKSTITCH SEWING MACHINE

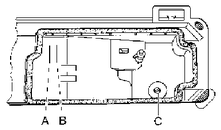
INSTRUCTIONBOOK
PART CATAALOGUE

## ※NOTE



Before putting a new machine into operation, remove the plugs(A) on the top of the arm and replenish sufficient amount of oil, then lift the presser foot and run the machine at a low speed of 2000 spm to check oil distributing condition through oil check window. When lubricating is normal, keep the machine run in at this speed for 30 minutes, then increase the running speed gradually. After one month run – in operation, the machine can be run at the Max speed under normal working

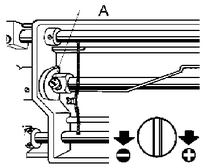
## 1. OIL FILLING




(1) The oil amount in the oil reservoir is controlled through the reference marks A and B shown in Fig2. The mark A indicates the max oil amount level, the mark B for the min . oil amount level . If the oil amount level is under the mark B replenish the oil reservoir with oil in time reservoir with oil in time.

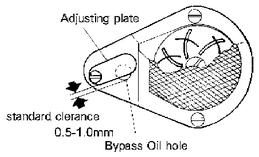
(2) When filling oil, loosen the oil draining screw (c), drain off the remaining oil in the oil reservoir completely, clean the oil reservoir and tighten the oil draining screw(c), then fill the oil reservoir with fresh oil.

## 2. ROTATING HOOK OIL AMOUNT ADJUSTMENT




Adjust the oil amount of the rotating hook by turning the oil amount adjusting screw (A). Turn the screw(A) clockwise (in the "+" direction ) to increase the oil amount ; turn it counter – clockwise (in the "–" direction ) to decrease the oil amount.

## 3. OIL PUMP ADJUSTMENT

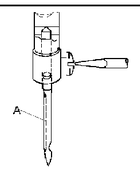



In ordinary operation , adjustment is not required for the oil pump , If oil splashing does not occur in the oil check window when the machine runs at a low speed , close the clearance of the bypass oil hole.

There isn´t by – pass oil hole in GC6 – 9 series.

## 4. NEEDLE INSTALLATION

Turning the balance wheel to lift the needle bar to the upper end of its stroke. Loosen the needle clamp screw while keeping the long groove of the needle leftward, fully insert the needle shank up to the bottom of the needle socket, then tighten the needle clamp screw.



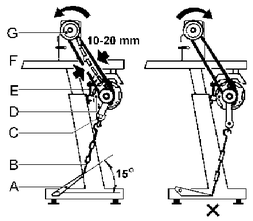

## 5. CONNECTION OF THE CLUTCH LEVER WITH THE PEDAL

(1)The optimum tilt angle of pedal is approximately 15 deg.

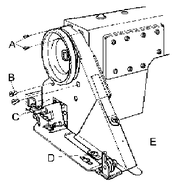
(2) Adjust the clutch so that the clutch lever (c) align with the draw bar (B) as shown in Fig.6

(3) The machine pulley should rotate counter clockwith when viewed from the outside of it. The rotating direction of motor pulley can be reversed by turning the plug of the motor at 180 deg.

(4) Adjust the tension of O – Belt (F) by moving the motor up and down , the proper tension of the O – belt is a slack of 10 – 20 mm when the belt is depressed at the center of the belt by finger.




## 6. BELT COVER INSTALLATION

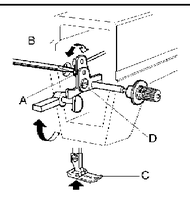



Install the belt cover for the sake of safety.

Install belt cover(C) to arm with screw(A)and screw(B) , and install belt cover(E) on board with screw(D).

Note: there aren´t screw(A) and screw holes on belt cover in GC6 – 9.

## 7. ADJUST THE OPENING TIME OF THE TENSION DISCS

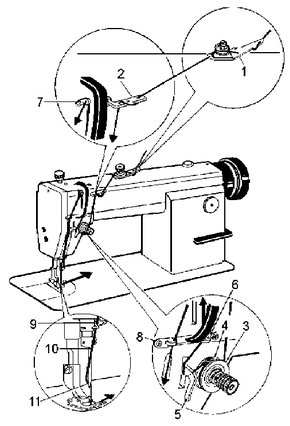



Within the presser foot lift range , the opening time of the tension discs can be adjusted as follows:

(1) Pemove the rubber plug from the back of the arm and Loosen the screw (A) of the knee lift level (left)

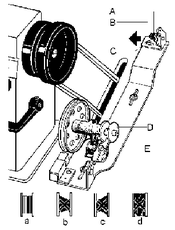
(2)Move the tension releasing cam (D) leftward for earlier opening or rightward for Later opening it will facilitate the adjustment if putting a block under the presser foot lift.

## 8. THREADING




To thread the needle thread, raise the needle bar to the upper end of its stroke, lead the thread from the spool and perform. threading as shown in Fig9 . To draw the bobbin thread, hold the end of the needle thread and turn the balance wheel to lower the needle bar and then lift it to its highest position. Pull the ends of needle thread and bobbin thread frontward under presser fool .

## 9. WINDNG INSTALLATION AND ADJUSTMENT




The bobbin winder pulley should Align with the V – belt and there should be some clearance between them . When the bobbin winder stop latch lever is depressed, the V – belt should be in touch with the bobbin winder bulley in order that the bobbin winder pulley can be driven by the V – belt.

The thread wound on the bobbin should be neat and tight if not tight , adjust the winding tension by turning the tension stud nut (A) of the bobbin winder tension bracket, when the thread wound on the bobbin does not present a cylindrical shape as shown in Fig.10 (a), Loosen the set screw(B) of the bobbin winder tension bracket and move the bracket (C) leftward or rightward, if the thread is wound as shown in the figure (b), move the bracket leftward or rightward of wound as shown in the figure(c) , move it leftward . After positionting the bracket adequately, tighten the set screw (B)

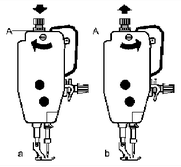
Do not overfill the bobbin, The optimum wound length of the thread will fill about 80% of the bobbin capecity . This can be adjusted by the screw(E) of the bobbin winder stop latch.

## 10. ADJUST THE PRESSURE OF PRESSER FOOT

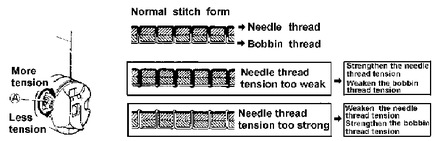
Pressure of the presser foot is adjusted in accordance with thickness of materials to be sewn.

First loosen the lock nut (A) , for heavy materials, turn the pressure regulating thumb screw as shown in Fig.11 (a)to increase the pressure , while for light materials , turn the pressure regulating thumb screw as shown in Fig.11(b) to decrease the pressure , the tighten the lock nut (A).

The pressure of the presser foot is recommended to be less as long as normal feeding is ensured.

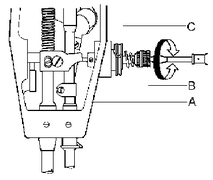


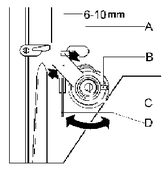

## 11. THREAD TENSION ADJUSTMENT




Thread tension should be determined in accordance with the stitch obtained by adjusting the tension of the bobbin thread and needle bension (Fig. 12).

The tension of the bobbin thread: to be adjusted by turning the tension spring regulating screw of the bobbin case, After adjusting , insert the bobbin into the bobbin case and hold the end of the thread from the bobbin case to hang the bobbin case, if the bobbin case falls slowly and evenly, the proper tension of the bobbin thread is obtained.



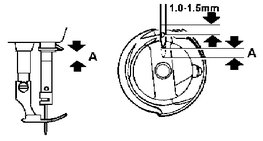




The stroke of the thread take – up spring runs from 6mm to 10mm , when sewing very thin fabrics, reduce the thread take – up spring tension and increase the thread take – up spring stroke , where as increase the thread take – up spring tension and reduce the thread take – up stroke when sewing very thick fabries.

Adjusting the thread take – up spring tension : (Fig. 13) First loosen the set screw (A) , Turn the tension stud (B) counter – clockwise to decrease the tension of the thread take – up spring (c) to zero. then turn the tension stud (B) clockwise till the spring (c) comes to the notch of the tension regulating bushing, and again turn the tension stud (B) halfway back (counter clockwise ), After the adjustment, tighten the set srew (A).

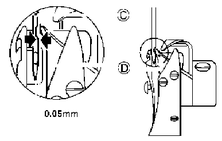
Adjusting the thread take – up spring stroke: (Fig.14) loosen the set screw (B) turn the stud (C) clockwise to increase the stroke or turn stud (C) counter – clockwise to decrease the stroke After the adjustment, tighten the set screw (B).

## 12. ADJUST THE SYNCHRONIZATION OF THE NEEDLE WITH ROTATING HOOK




When lifting the needle bar from its lowest position of the stroke to the distance A, the hook point D of the bobbin should align with the center` line of the needle and be 1.0 – 1.5 mm above upper end of the needle eye (Fig. 15)

| | M | H | B |
|---|---|---|---|
| A | 2mm | 1. 8mm | 1. 8mm |

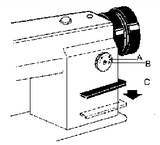



The clearance between the bottom of the needle notch and the hook point showd be 0.05 mm .

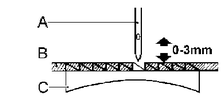
## 13. ADJUSTMENT OF STITCH LENGTH LENTH AND ADJUSTMENT

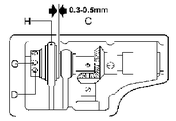
The stitch length can be adjusted by turning the dial (A). The figures on the face (B) of the dial show the stitch length in mm. the reverser feed lever must be depressed by another while adjusting the stiooh length. The reverse feeding starts when the reverse feed lever (c) is depressed, the machine will feed forward again if the reverse feed lever is released.

NOTE: Push the press key "PUSH" to adjust the stitch length. It´s designed to prevent knob form rotating at working in GC6 – 8 and GC6 – 9 .




## 14. ADJUST THE SYNECHRONILATION OF THE NEEDLE MOTION WITH FEED MOTION

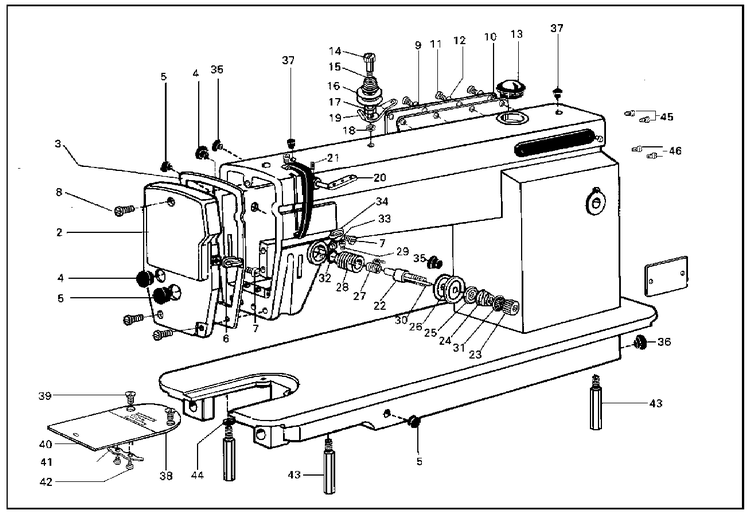



When the point (A) reaches the surface of the needle plate (B), the top of the feed dog (C) shoud be flush with the needle plate surface, This is the standard synchronous position. The upper of arm shaft hole (C) should be flush with hole (G), This is the standard position.

## GC6 Series machine´s main technical data

| Item \ modle | GC6 – 1 GC6 – 28 GC6 – 28 – 1 | GC6 – 8/GC6 – 28 – 1H | GC6 – 9 |
|---|---|---|---|
| Use for | common materials | Thick materials | Thick materials |
| Sewing speed(spm) | 5000 spm | 3500 spm | 3000 spm |
| Max. stitch length | 5 mm | 7 mm | |
| presser foot height kneelifter | 13 mm | | |
| Needle | DB × 1 11 # — 14 # | DP × 5 18 # — 22 # | |
| Rotating shuttle | Standard automatic oiling | Thick materials automatic oiling | Twice automatic oiling |




## 1. ARM BED AND ITS ACCESSORIES

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 3 | | Gasket for Face plate | 1 |
| 4 | 022130003 | Rubber plug(Ø19) | 2 |
| 5 | 022130004 | Rubber plug(Ø11. 8) | 4 |
| 6 | * | Thread guide on face plate | 1 |
| 7 | 022130006 | Thread guide screw | 2 |
| 8 | 022100004 | Fece plate screw | 3 |
| 9 | 022140001 | Arm side cover | 1 |
| 10 | 022140002 | Gasket for arm side cover | 1 |
| 11 | 022100006 | Arm side cover screw | 8 |
| 12 | 022100007 | Washer | 8 |
| 13 | 022180001 | Oil check Window | 1 |
| 14 | 022150001 | Screw type tension stud | 1 |
| 15 | 022150002 | Spring for pre – tension | 1 |
| 16 | 022150003 | Discs for pre – tension | 2 |
| 17 | 022160004 | Spacer for pre – tension | 1 |
| 18 | S4A0105006 | Stop ring | 1 |
| 19 | 022150005 | Thread guide for pre – tension | 1 |
| 20 | 022100010 | Three hole thread guide | 1 |
| 21 | 022100011 | Set screw | 1 |
| 22 | 022160001 | Thread tension stud | 1 |
| 23 | 124130001 | Thumb nut thread tension regulator | 1 |
| 24 | * | Thread tension spring | 1 |

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 25 | 022160004 | Thread tension releasing disc | 1 |
| 26 | 022160005 | Thread tension disc | 2 |
| 27 | * | Thread take – up spring | 1 |
| 28 | 022160007 | Thread tension regulating bushing | 1 |
| 29 | 022160008 | Set screw | 1 |
| 30 | 022160009 | Thread tension releasing pin | 1 |
| 31 | 0226100010 | Thumb nut revolution stopper | 1 |
| 32 | 0221600011 | Rubber ring | 1 |
| 33 | 022100013 | Set screw | 1 |
| 34 | * | Thread guide for arm center | 1 |
| 35 | 022100015 | Rubber plug(Ø8. 8) | 2 |
| 36 | 022100016 | Rubber plug(Ø27) | 1 |
| 37 | 022500017 | Red rubber plug(Ø5. 7) | 2 |
| 38 | * | Needle plate(B1. 6) | 1 |
| 39 | 022100020 | Needle plate screw | 2 |
| 40 | 022170001 | Slide plate | 1 |
| 41 | 022170002 | Spring for slide plate | 1 |
| 42 | 022170003 | Screw | 2 |
| 43 | 048100005 | Leg | 3 |
| 44 | 022170003 | Spring washer | 3 |
| 45 | 048100005 | Screw(small) | 2 |
| 46 | 022900006 | Screw(big) | 2 |
| 38 | | Needle plate(GC6 – 8/GC6 – 28 – 1H) | 1 |
| | | Needle plate(GC6 – 9) | 1 |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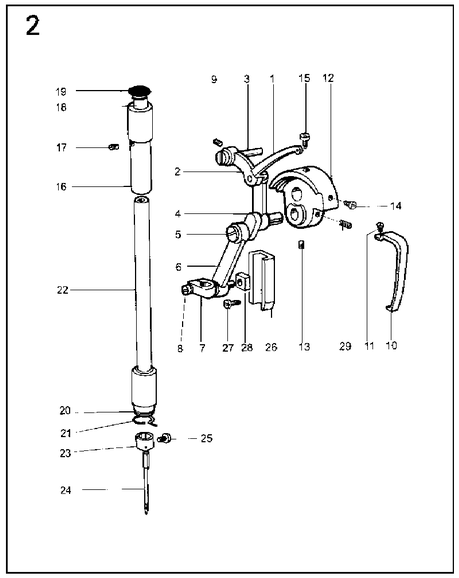
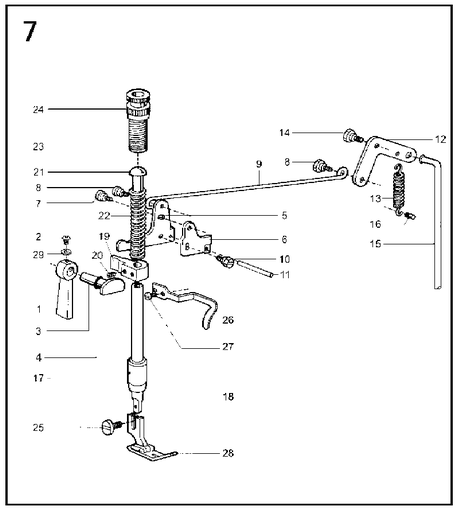
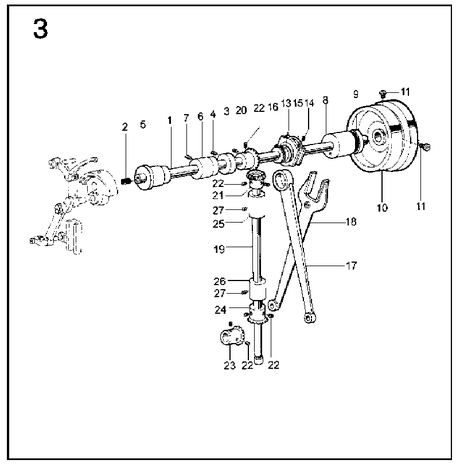



## 2. NEEDLE BAR AND THREAD TAKE－UP MECHANISM

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 1 | * | Thread take－up lever | 1 |
| 2 | 022210002 | Thread take－up link | 1 |
| 3 | 022210003 | Thread take－up lever hinge pin | 1 |
| 4 | * | Thread take－up crank | 1 |
| | 022210005 | Needle roller bearing | 2 |
| 5 | 022210006 | Set screw (left hand thread. ) | 1 |
| 6 | | Needle bar link ass | 1 |
| 7 | 02210008 | Needle bar connecting bar joint | 1 |
| 8 | 022210009 | Screw | 1 |
| 9 | 022200002 | Screw | 1 |
| 10 | * | Take－up lever guard | 1 |
| 11 | 022200004 | Screw | 1 |
| 12 | * | Needle bar crank | 1 |
| 13 | 022220002 | Screw | 1 |
| 14 | 022200006 | Screw | 1 |
| 15 | 022200007 | Needle bar position screw | 1 |
| 16 | 153200004 | Needle bar bushing(upper) | 1 |
| 17 | 022200009 | Set screw | 1 |
| 18 | 022200010 | Felt plug | 1 |
| 19 | 022200011 | Red rubber plug(Ø8. 8) | 1 |
| 20 | * | Needle bar bushing(lower) | 1 |
| 21 | 02230002 | Thread guide for needle bar bushing | 1 |
| 22 | * | Needle bar | 1 |
| | | Needle bar(GC6－28－1) | 1 |
| 23 | 048200004 | Thread guide for needle | 1 |
| | | Thread guide for needle(GC6－28－1) | 1 |
| 24 | * | Needle | 1 |
| 25 | 022200017 | Needle clamp screw | 1 |
| 26 | 022200018 | Needle bar connecting link guide | 1 |
| 27 | 022200019 | Set screw | 2 |
| 28 | 022220020 | Slide block | 1 |
| 29 | 022220003 | Thread take－up crank position screw | 1 |



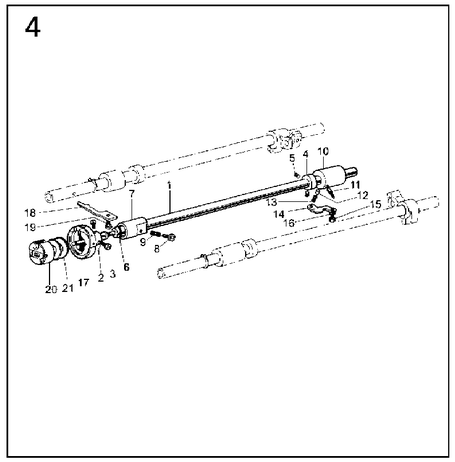




## 3. ARM SHAFT AND VERTICAL SHAFT MECHANISM

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 1 | 022310001 | Arm shaft | 1 |
| 2 | 022310002 | Rubber plug for arm shaft | 1 |
| 3 | 022320001 | Collar for arm shaft | 1 |
| 4 | 022220003 | Set screw | 2 |
| 5 | 022300003 | Arm shaft bushing(left) | 1 |
| 6 | 022300004 | Arm shaft bushing(Middle) | 1 |
| 7 | 022220002 | Set screw | 1 |
| 8 | 022300005 | Arm shaft (right) | 1 |
| 9 | 022360001 | Oil seal | 1 |
| 10 | * | Balance wheel | 1 |
| 11 | 022330002 | Set screw | 2 |
| 13 | 022341001 | Feed and feed lifting eccentric | 1 |
| 14 | 022100013 | Set screw | 2 |
| 15 | 022341002 | Eccentric sleeve | 1 |
| 16 | 022342001 | Crank rod for stopper | 1 |
| 17 | 022343001 | Crank rod for feed lifting rock shaft | 1 |
| 18 | * | Feed forked connection | 1 |
| 19 | 022350001 | Vertical shaft | 1 |
| 20 | Z01800891 | Bevel gear for arm shaft | 1 |
| 21 | Z01800892 | Bevel gear for vertical shaft (upper) | 1 |
| 22 | 022220003 | Set screw | 8 |
| 23 | Z01800886 | Bevel gear for hook shaft | 1 |
| 24 | Z01800885 | Bevel gear for Vertical shaft(lower) | 1 |
| 25 | 022300111 | Vertical shaft bushing(upper) | 1 |
| 26 | * | Vertical shaft bushing (lower) | 1 |
| 27 | 022200002 | Set screw | 2 |

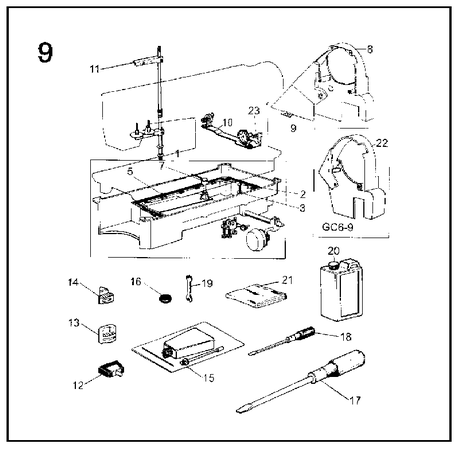
## 7. PRESSER FOOT MECHANISM

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 1 | 022710001 | Presser bar lifter | 1 |
| 2 | 022100006 | Set screw | 1 |
| 3 | 022700002 | Presser bar lifting cam | 1 |
| 4 | 036620002 | Oil seal | 1 |
| 5 | 022721001 | Knee lifter lever (left) | 1 |
| 6 | 022722001 | Tension releasing cam | 1 |
| 7 | 022723001 | Screw | 1 |
| 8 | 022720002 | Hinge screw | 2 |
| 9 | 022720003 | Knee lifter rod | 1 |
| 10 | 022700005 | Bolt for tension releasing cam | 1 |
| 11 | 022700006 | Tension releasing pin | 1 |
| 12 | 022730001 | Knee lifter lever(right) | 1 |
| 13 | 022730002 | Spring for knee lift lever | 1 |
| 14 | 022700005 | Bolt for knee lifter lever | 1 |
| 15 | 022730003 | Knee lifter connecting rod | 1 |
| 16 | 022700008 | Pin for spring | 1 |
| 17 | 022700009 | Presser bar bushing | 1 |
| 18 | 022700010 | Presser bar | 1 |
| 19 | 022740001 | Presser bar lifting bracket | 1 |
| 20 | 022100013 | Set screw | 1 |
| 21 | 022700012 | Presser bar guide | 1 |
| 22 | * | Presser spring | 1 |
| 23 | 022750001 | presser regulating thumb screw | 1 |
| 24 | 022750002 | Lock nut | 1 |
| 25 | 022700015 | Set screw | 1 |
| 26 | 022700016 | Slack thread regulator | 1 |
| | | Slack thread regulator(GC6－28－1/6－28－1H) | |
| 27 | 022200004 | Screw | 1 |
| 28 | 02276 | Presser foot complete | 1 |
| 29 | 022100007 | Washer | 1 |
| | GC6－8 GC6－9 GC6－28－1H | | |
| 28 | 04881 | Presser foot complete | 1 |
| | GC6－28－1 | | |
| 26 | | Slack thread regulator | 1 |



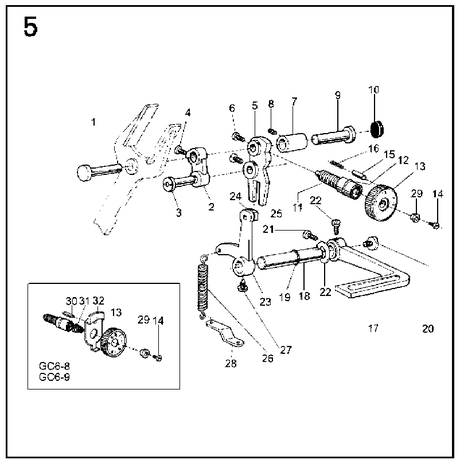

## 4. ROTATING HOOK MECHANISM

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 1 | * | Rotating hook sheft | 1 |
| 2 | 022411001 | Filter screw | 1 |
| 3 | 022411002 | Filter | 1 |
| 4 | 022420001 | Coller for rotating shaft | 1 |
| 5 | 022220009 | Set screw | 2 |
| 6 | 022400109 | Oil seal for rotation hook shaft | 1 |
| 7 | 022400004 | Hook shaft bushing(left) | 1 |
| 8 | 022400005 | Oil adjusting screw | 1 |
| 9 | 022400006 | Spring for oil adjuster | 1 |
| 10 | 036460001 | Rotating hook shaft bushing(right) | 1 |
| 11 | 022430002 | Oil pipe for hook shaft bushing | 1 |
| 12 | 036400015 | Plunger | 1 |
| 13 | 036400015 | Plunger spring | 1 |
| 14 | 036400016 | Guide plate | 1 |
| 15 | 022400010 | Screw | 1 |
| 16 | 022900006 | Spring washer | 1 |
| 17 | * | Rotating hook | 1 |
| 18 | * | Rotating hook positioner | 1 |
| 19 | 022400015 | Screw | 1 |
| 20 | * | Bobbin case | 1 |
| 21 | * | Bobbin | 1 |



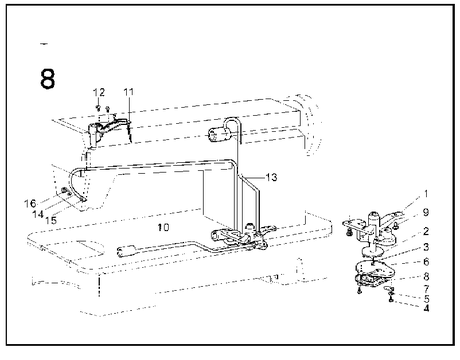

## 9. OIL RESERVOIR AND OTHER ACCESSORIES

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 1 | 036C10001 | Oil reservoir complete | 1 |
| 2 | 022910002 | Oil drain screw | 1 |
| 3 | 022910003 | Washer | 1 |
| 5 | 0229100005 | Grasket for oil reservoir | 1 |
| 7 | | Knee lifter lifting rod | 1 |
| 8 | 006F20000 | Belt guard complete | 1 |
| 9 | 124920001 | Belt guard complete(S) | 1 |
| 10 | 006F01001 | Thread winder complete | 1 |
| 11 | 006F00030 | Spool stand | 1 |
| 12 | 02299 | Machine head hinge complete | 2 |
| 13 | 022900009 | Cushion(big) | 2 |
| 14 | 022900010 | Cushion(small) | 2 |
| 15 | W050202001 | Oil pot | 1 |
| 16 | W050103001 | Magnet | 1 |
| 17 | W050102050 | Screwdriver(long) | 1 |
| 18 | W050102051 | Screwdriver(short) | 1 |
| 19 | W210105011 | Double－open－end wrench | 1 |
| 20 | W050202009 | Oil tank | 1 |
| 21 | W060302036 | Machine cover | 1 |
| 22 | 08181 | Belt guard complete | 1 |
| 23 | 006F40001 | Bobbin winder stop latch | 1 |
| | 006F00104 | Bobbin winder stop latch(GC6－9) | 1 |



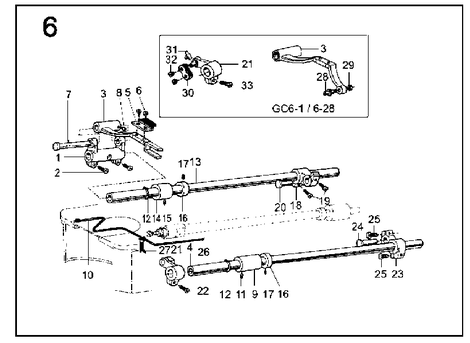

## 5. STITCH LENGTH REGULATING MECHANISM

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 1 | 022510001 | Feed for hing pin | 1 |
| 2 | 022510002 | Feed connecting link | 1 |
| 3 | 022510003 | Hinge pin for feed connecting link | 1 |
| 4 | 022510004 | screw | 1 |
| 5 | * | Feed regulator | 1 |
| 6 | 022510004 | Set screw | 2 |
| 7 | 022500003 | Feed regulator bushing | 1 |
| 8 | 022200002 | Set screw | 1 |
| 9 | 022500004 | Feed regulator hinge pin | 1 |
| 10 | 022500005 | Rubber plug(Ø20 × 4) | 1 |
| 11 | 036540001 | Feed regulator screw | 1 |
| 12 | 142400002 | O－ring for feed regulating screw | 1 |
| 13 | 057510001 | Dial | 1 |
| 14 | 036540005 | Screw | 1 |
| 15 | 022500008 | Stopper pin | 1 |
| 16 | 022500009 | Spring for stopper pin | 1 |
| 17 | 022540001 | Backtacking lever | 1 |
| 18 | 02541001 | Backtacking lever shaft | 1 |
| 19 | S4A0604005 | O－ring(6. 3 ×1. 8G) | 1 |
| 20 | 022540003 | Screw | 1 |
| 21 | 022540004 | Screw | 2 |
| 22 | 022500011 | O－ring | 1 |
| 23 | 022550001 | Backtacking crank | 1 |
| 24 | 022551001 | Slide block pin | 1 |
| 25 | 022550001 | Slide block for backtacking crank | 1 |
| 26 | 022550001 | Spring for backtacking crank | 1 |
| 27 | 0225500013 | Screw | 1 |
| 28 | 022500014 | Bracket for spring | 1 |
| 29 | 026540004 | Bush | 1 |
| | GC6－8 GC6－9 GC6－28－1H | | |
| 30 | 036500012 | Shopper pin | 1 |
| 31 | 036500011 | Spring | 1 |
| 32 | 036500010 | Knob | 1 |
| 13 | 048520001 | Dial | 1 |




## 8. LUBRICATION MECHANISM

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 1 | 022800001 | Oil pump body | 1 |
| 2 | 022800002 | Oil pump impeller | 1 |
| 3 | 02800003 | Screw | 1 |
| 4 | 022800004 | Screw | 3 |
| 5 | S4A0400012 | Spring washer | 1 |
| 6 | * | Oil pump fitting plate | 1 |
| 7 | 022800007 | Oil adjusting plate | 1 |
| 8 | 022810001 | Oil pump screen complete | 1 |
| 9 | 022800009 | Screw | 3 |
| 10 | 022820N | Oil pipe for hook shaft | 1 |
| 11 | 022831 | Oil braid fitting plate | 1 |
| 12 | 022700015 | Screw | 2 |
| 13 | * | Oil pipe for arm shaft | 1 |
| 14 | 022800014 | Oil returning pipe | 1 |
| 15 | 022800015 | Felt pouch for return oil filter | 1 |
| 16 | 036A00002 | Spring for oil felt | 1 |




## 6. FEEDING AND FEED LIFTING MECHANISM

| No. | Ref. No. | Description | Qt. |
|---|---|---|---|
| 1 | * | Feed rock shaft crank | 1 |
| 2 | 022612001 | Screw | 2 |
| 3 | * | Feed bar | 1 |
| 4 | 022600011 | Feed lifting rock shaft | 1 |
| 5 | 022610003 | Feed dog | 1 |
| 6 | 022610004 | Screw | 2 |
| 7 | * | Shaft for feed bar crank | 1 |
| 8 | 022200019 | Screw | 1 |
| 9 | 022600012 | Bushing for feed lifting rock shaft | 1 |
| 10 | 022610007 | Oil braid for feed bar crank | 1 |
| 11 | 022200002 | Set screw | 1 |
| 12 | S4A0500010 | C－type stop ring | 2 |
| 13 | 022600003 | Feed rock shaft | 1 |
| 14 | 022600004 | Feed rock shaft bushing | 1 |
| 15 | 022200009 | Set screw | 1 |
| 16 | 022620001 | Collar | 2 |
| 17 | 022320002 | Set screw | 4 |
| 18 | * | Feed rock shaft crank | 1 |
| 19 | 022200016 | Screw | 2 |
| 20 | * | Hinge pin for feed rock shaft crank | 1 |
| 21 | * | Feed lifting rock shaft crank(left) | 1 |
| 22 | 022640003 | Screw | 1 |
| 23 | 022670001 | Feed lifting rock shaft crank(right) | 1 |
| 24 | 022600007 | Hinge pin for feed rock shaft crank | 1 |
| 25 | 022600016 | Screw | 2 |
| 26 | * | Oil braid for feed bar link | 2 |
| 27 | 022600015 | Oil braid holder | 1 |
| | GC6－1 GC6－28 | | |
| 28 | 022610009 | Hinge pin for feed bar link | 1 |
| 29 | 022610008 | Nut for hinge pin | 1 |
| 30 | 022660001 | Feed bar link | 1 |
| 31 | 022660002 | Oil braid holder | 1 |
| 32 | 022600010 | Screw | 2 |
| 33 | 022640003 | Screw | 1 |

## 10. PARTS TABLE

| No. | Name \ Modle | GC6－1 GC6－28 GC6－28－1 | GC6－8 GC6－28－1H | GC6－9 |
|---|---|---|---|---|
| 1 － 6 | Thread guide on face plate | 022130005 | ⇦ | 078130001 |
| 1 －24 | Thread tension spring | 022160003 | 048110001 | ⇦ |
| 1 －27 | Thread take－up | 022160006 | 048110002 | ⇦ |
| 1 －34 | Thread guide for arm center | 022100014 | ⇦ | 078100005 |
| 2 － 1 | Thread take－up lever | 02221 | 04821 | 048100006 |
| 2 － 4 | Thread take－up crank | 022210004 | ⇦ | 07821 |
| 2 － 6 | Needle bar link | 22T2－001A7b | 048210002 | ⇦ |
| 2 －10 | Take－up lever guard | 036200007 | ⇦ | 078200002 |
| 2 －12 | Needle bar crank | 022520001 | 048220001 | ⇦ |
| 2 －20 | Needle bar bushing(lower) | 153200006 | 124200006 | ⇦ |
| 2 －22 | Needle bar | 153200003 | 048200003 | ⇦ |
| 2 －24 | Needle | DB×1 | DP×5 | ⇦ |
| 3 －10 | Balance wheel | 022330001 | ⇦ | 078330001 |
| 3 －18 | Feed forked connection | 022340002 | 048310001 | ⇦ |
| 3 －26 | Vertical shaft bushing(lower) | 0223000112 | ⇦ | 078300001 |
| 4 － 1 | Rotating hook shaft | 022410001 | ⇦ | 078410001 |
| 4 －17 | Rotating hook | 02247 | 04841 | 078400002 |
| 4 －18 | Rotating hook positioner | 022400013 | 048400002 | 078400003 |
| 4 －20 | Bobbin case | 02246 | ⇦ | 07846 |
| 4 －21 | Bobbin | 022400011 | ⇦ | 078400005 |
| 5 － 5 | Feed regulator | 022520001 | 048510001 | ⇦ |
| 6 － 1 | Feed rock shaft crank | 022611001 | 048611001 | ⇦ |
| 6 － 3 | Feed bar | 22611002 | 048610002 | ⇦ |
| 6 － 7 | Shaft for feed bar crank | 022610005 | 048610003 | ⇦ |
| 6 －18 | Feed rock shaft crank | 022630001 | 048620001 | ⇦ |
| 6 －20 | Hinge pin for feed rock shaft crank | 022600007 | 048600003 | ⇦ |
| 6 －21 | Feed lifting rock shaft crank(left) | 022640001 | 04863 | ⇦ |
| 6 －26 | oil braig for feed bar link | 022660003 | 04864 | ⇦ |
| 7 －22 | presser spring | 022700013 | 048700002 | ⇦ |
| 8 － 6 | Oil pump felting plate | 022800006 | ⇦ | 078800001 |
| 8 －13 | Oil pipe for arm shaft | 022840N | ⇦ | 078800002 |

"⇦" mean same as former