

GC0398-1/GC0398-1-D

Heavy Duty Top And Bottom Feed (With Automatic Thread Trimmer)
Lockstitch Sewing Machine

Instruction Manual Parts Catalog

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1. PRECAUTIONS BEFORES STARING 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 pulley.
 - (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 pulley, "V" belt, bobbin winder pulley, or motor when the machine is in operation.
- (5) Do not insert fingers into the thread take-up cover, under/around the needle, or pulley 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 pulley with the power on. (The pulley should rotate counterclockwise when viewed from the pulley)
 - (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 temperatures (35 $^{\circ}$ C or higher) or low temperatures (5 $^{\circ}$ C or lower).
 - 2) Avoid using the machine in dusty conditions.

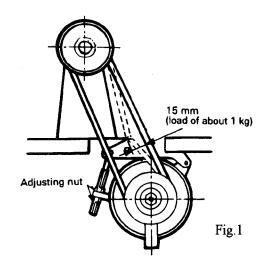
2. Specifications:

| | Model Specifications | | GC0398-1-D | | |
|-----------------------|-------------------------|---------------|------------|--|--|
| Material ' | Weight | H | leavy | | |
| Max. Sewii | ng Speed | 2,0 | 00 rpm | | |
| Stitch L | ength | 0— | -10 mm | | |
| Needle Ba | r Stroke | 35 | i.0 mm | | |
| Thread Take-up | Lever Stroke | 72 | 2.0 mm | | |
| Alternating l | Movement | 2.0-5.0 mm | | | |
| Walking Foot Alternat | e Operating System | Dial . | | | |
| Feed Dog | Height | 1.0 mm | | | |
| Need | ile | DP×17 14#-24# | | | |
| Dungan Foot Stroke | By Hand | 6.0 mm | | | |
| Presser Foot Stroke | By Knee | 16.0 mm | | | |
| Lubrication | n System | Automatic | | | |
| Thread T | rimmer | × | 0 | | |
| Touch | Back | | 0 | | |

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 15mm 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 (Fig2, Fig3, Fig4):

1) Adjustment of "UP" position

When the pedal is kicked down by heel to cut the thread, the machine stops in the "UP" position. If the marks deviate more than 3mm, adjust as follows:

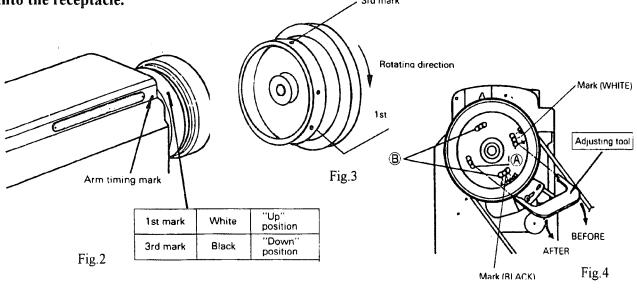
- (1) Disconnect the plug (12 pins) from the control panel;
- (2) Run the machine and stop in the "UP" position;
- (3) While holding the pulley, insert the adjusting tool into the two holes marked "A", then rotate the pulley.

2) Adjustment of "DOWN" position

When the pedal is returned to the neutral position, the machine stops in the "DOWN" position. If the marks deviate more than 3mm, adjust as follows:

- (1) Disconnect the plug (12 pins) from the control panel;
- (2) Run the machine and stop in the "DOWN" position;
- (3) While holding the pulley, insert the adjusting tool into the two holes marked "B", then rotate the pulley.

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

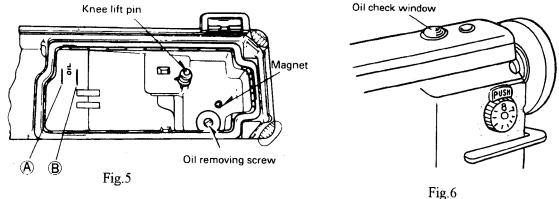


5. Lubrication (Fig.5):

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.6):

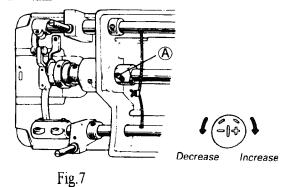
While operating the machine, check the condition of oil lubrication through the oil check window.

7. Adjustment of the hook lubrication (Fig. 7):

Adjustment can be done by turning screw "A".

- (1) When the screw has been fully tightened ... Maximum
- (2) When the screw has been fully loosened ... Maximum

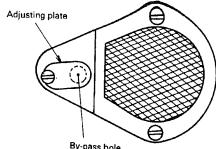
Note: After adjustment of this screw, the machine should be operated for at least 30 seconds, then check the oil mist from the hook.



8. Adjustment of oil pump (图 8):

The standard adjustment is as follows:

The adjusting plate keeps the bypass hole fully closed. To decrease splashing, open the bypass hole appropriately.



9. Periodical cleaning (Fig.9, Fig.10, Fig.11):

Clean the feed dog, hook and oil pump periodically.

Maintenance of motor: Remove dust from the motor filter every one or two months.

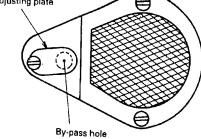
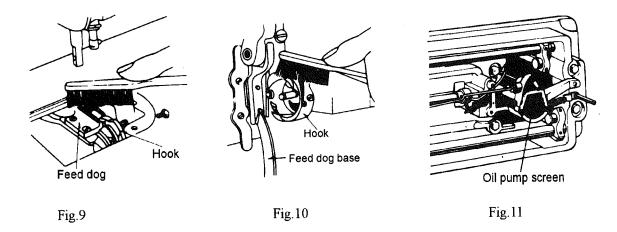


Fig.8

Control box: Remove dust from the connector.



10. Installation of belt cover:

Be sure to install the belt cover for safety.

11. How to wind the lower thread (Fig.12):

Strength of winding: Particularly in the case of nylon or polyester thread, wind the bobbin loosely.

Uneven winding: If the bobbin is wound unevenly, slide the thread guide toward the less wound portion of bobbin.

Winding amount: When the bobbin is wound excessively, loosen the adjusting screw. When the bobbin is wound insufficiently, tighten the adjusting screw.

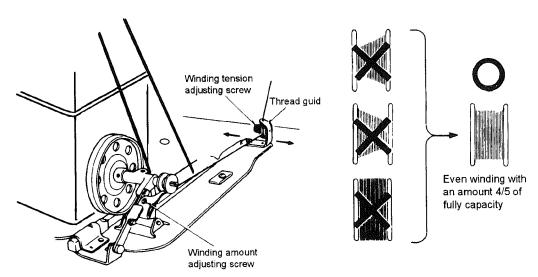
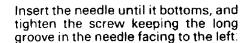


Fig.12

12. How to attach a needle (Fig. 13):

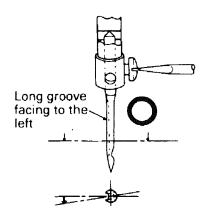
Note: Before attach the needle, be sure to turn the power switch off.

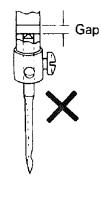
Note: If thread snapping occurs during reverse sewing with polyester, it may be avoided by fitting the needle with the long groove shifted to the front side. Normally, avoid fitting the needle with the groove facing backward.





Wrong direction





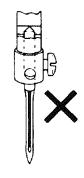
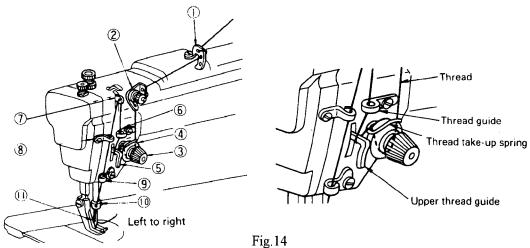


Fig. 13

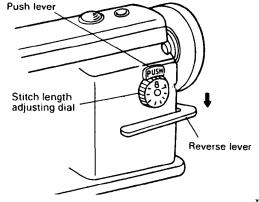
13. How to route the upper thread (Fig.14):

Raise the thread take-up lever to its highest possible position, and route the upper thread in the order illustrated below.



14. Adjustment of stitch length and reverse sewing (Fig.15):

- 1) To change the stitch length, rotate the stitch length adjusting dial while pressing the "push" lever.
- 2) Pressing the stitch length adjusting lever for reverse stitching.



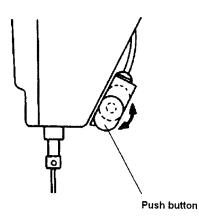


Fig. 15

15. Adjusting the thread tension (Fig. 16):

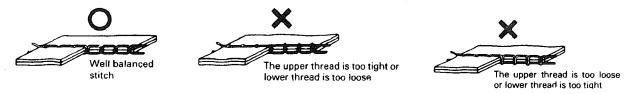
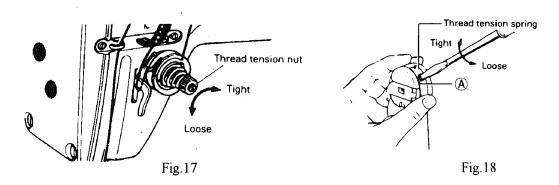


Fig.16

16. Upper thread tension (Fig. 17):

- 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.

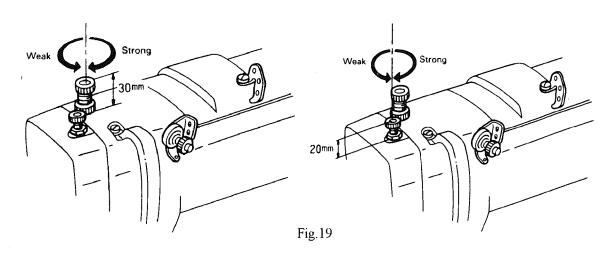


17. Lower thread tension (Fig. 18):

Lower thread tension can be adjusted by rotating screw "A".

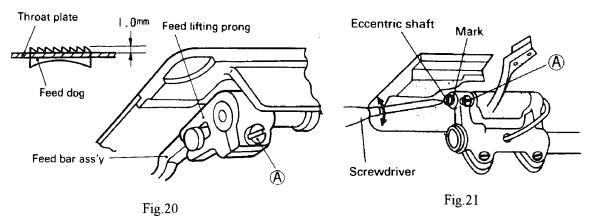
18. Adjustment of presser pressure (Fig.19):

- 1) Pressure should be adjusted according to the material to be sewn.
- 2) Pressure on both the walking foot and the presser foot can be adjusted.
- 3) Sewing pressure should be adjusted to the minimum required strength.



19. Feed dog height (Fig.20):

- 1) Feed dog should be 1.0mm higher than the throat plate.
- 2) To adjust the dog height as follows:
 - (1) Loosen the screw "A", move the feed bar upward and downward.
 - (2) When adjustment is completed, tighten the screw "A".



20. Adjustment of feed dog inclination (Fig.21):

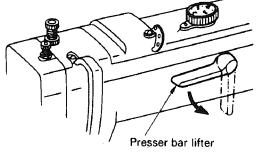
If necessary, adjust the inclination according to the material to be sewn as follows:

| Position of n | | Feed dog |
|---------------|------------|-------------------|
| D - | Horizontal | Standard |
| €)' | Up | Front up (MAX.) |
| ⊕)+ | Down | Front down (MAX.) |

- 1) Loosen the screw "A".
- 2) Rotate the eccentric shaft clockwise or counterclockwise with screw driver.
- 3) Tighten the screw "A".

21. Presser bar lifter (Fig.22):

Rotate the presser bar lifter in the direction of the arrow. This raises the presser foot.



22. Adjustment of walking foot and presser foot:

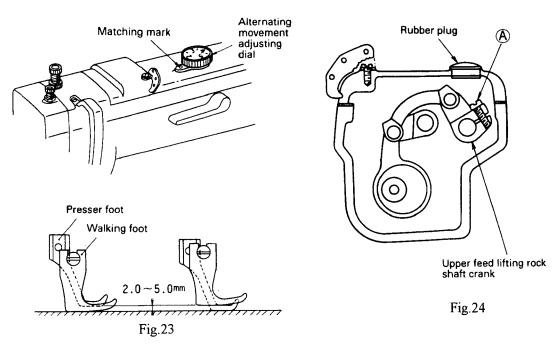
Fig.22

1) Adjustment of alternating movement (Fig23):

- (1) The alternating movement on the walking foot and presser foot can be adjusted by using adjusting dial located on the top cover.
- (2) Face the desired number printed on the dial to the matching mark located on the top cover. The number printed on the dial represents the possible protrusion of the walking foot and presser foot from the throat plate when the alternating movements on these are evenly set.

(3) The alternating movements can be readjusted up to 2.0-5.0mm.

2) To change the balance of the alternating movements between the walking foot and presser foot (Fig.24):



- (1) To increase the rise of the walking foot and decrease the rise of the presser foot:
 - 1 Remove the rubber plug of top cover.
 - 2 Rotate the pulley until the presser foot is slightly raised from the throat plate.
 - 3 Loosen screw "A" (on the right side)
- 4 The built-in spring pulls down the presser foot until it makes contact with the throat plate. Tighten the screw "A".
- ⑤ After this adjustment, the protrusion of the presser foot has been decreased by a set distance. And the vertical motion of the walking foot has been increased by the same distance.
- (2) As a contrary case (1), to decrease the rise of the walking foot and increase the rise of presser foot as follows:

Fist, rotate the pulley until the walking foot is slightly raised from the throat plate. Next, loosen screw "A". Finally, tighten screw "A". This decreases the rise of the walking foot.

3) Installing the feed regulator bracke (Fig.25):

No tte: If the feed regulator bracket is poorly positioned, the resultant alternating movements may be too short or long, causing defective machine operation.

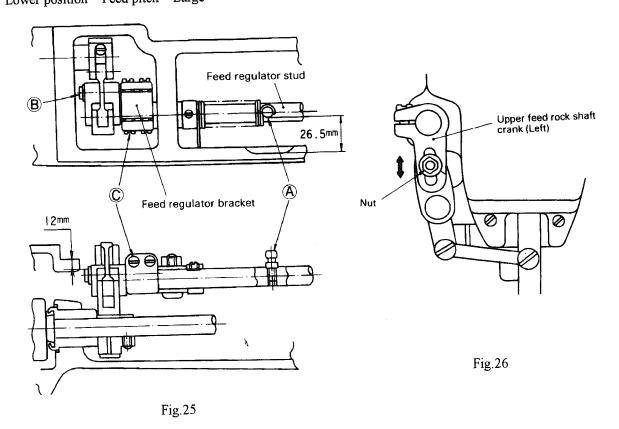
- (1) Set the clearance between special screw "A" located on the regulator stud and the side wall of the machine arm to 27.5mm as Fig.25.
- (2) With the feed regulator stud held as explained is step (1) above, adjust the feed regulator bracket. This adjustment should insure a clearance of 12mm between the periphery of pin "B" located on the feed regulator bracket and the top cover mounting face located on the arm. Tighten screw "C".

4) Feed pitch adjustment of walking foot (Fig.26):

The ratio of the upper feed amount (of the walking foot) to the lower feed amount (of the feed dog) has been adjusted to 1:1. However, the walking foot feeding amount can be increased or decreased depending on the operating conditions.

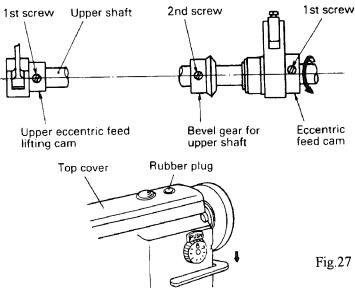
Loosen the nut located on the upper feed rock shaft crank (left), and shift to adjust the position of the pivot bracket upward or downward.

Upper position→Feed pitch→Small Lower position→Feed pitch→Large



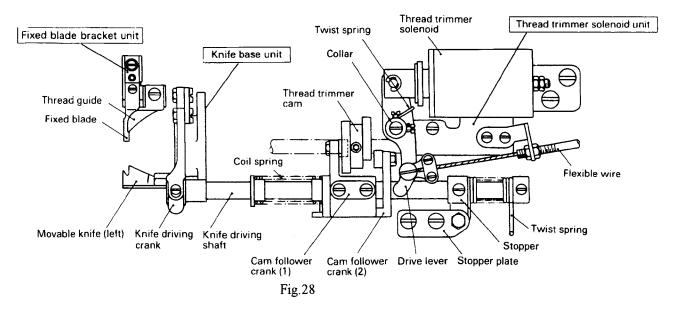
23. Adjustment of feed timing (Fig.27):

- 1) The standard position of the eccentric feed cam and eccentric feed lifting cam are illustrated to Fig.27
- 2) Open the top cover, properly slide the eccentric ring to adjust the position.
- 3) The eccentric feed cam can also be adjusted by removing the rubber plug located on the top cover. In the latter case, however, the built-in bevel gear is concealed; care should be taken when adjusting.



24. Adjustment of thread trimmer mechanism:

1) The thread trimmer mechanism illustrated as Fig.28



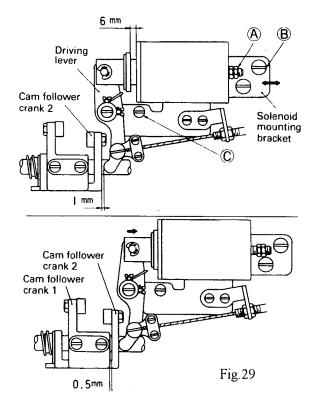
2) Installing the thread trimmer solenoid unit Fig29:

(1) Operation stroke of the thread trimmer solenoid:

- a. Standard operation stroke is 6.0mm.
- b. This stroke can be adjusted by using nut "A".

(2) Installing the unit:

- a. The unit can be mounted by using screws "B" and "C".
- b. Clearance of 1.0mm must be insured between the driving lever and cam follower crank 2 with stopper nut "A" made contact with solenoid.
- c. In such a situation, activating the solenoid should create a clearance of 0.5mm between cam follower crank 1 and 2. This situation is standard. To meet this standard, slide the solenoid mounting bracket in the direction of the arrow as illustrated, if adjustment is needed.



3) Adjustment of knife engagement (Fig.30):

(1) Position of movable knife (left) and fixed blade:

See the Fig.30, the standard distances from the needle center are 7.5mm and 5mm from the movable knife (left) and fixed blade respectively.

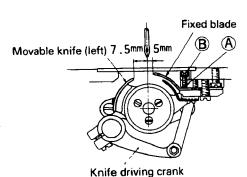
(2) Adjustment of knife engagement:

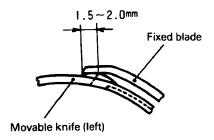
With the solenoid activated, turn on the machine. This rotates the thread trimming cam which rotates the movable knife (left). When the movable knife (left) has moved to its farthest distance, the standard engagement of the blade is 1.5mm-2.0mm. The engagement can be adjusted by properly mounting the drive arm.

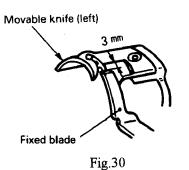
(3) Adjustment of knife engagement pressure:

- a. If a thread is poorly cut, particularly when it is thick, slightly increase the engaging pressure. This should solve the problem.
 - b. The engaging pressure can be adjusted in this way:

Loosen lock nut "B" and adjust it by using adjusting screw "A".

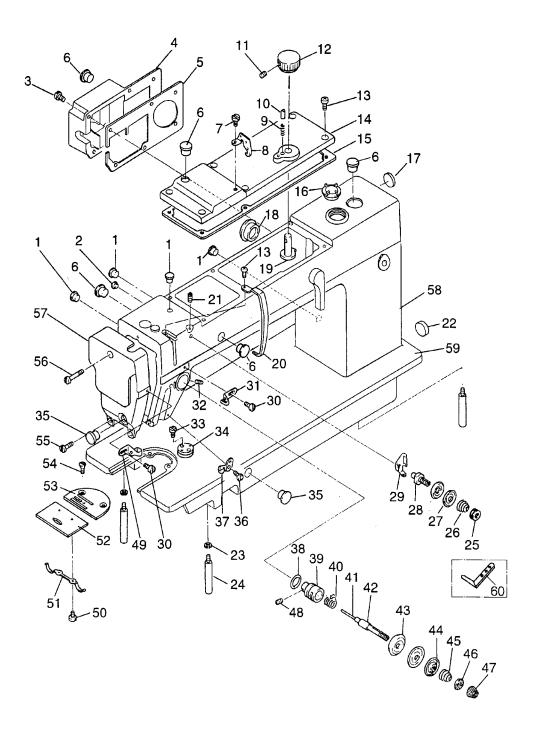






25. Needle, Thread and Material to be Sewn

| Needle Size | Thread No. | Material |
|-------------|-----------------|---|
| No. 14 | No. 60 – No. 65 | Cotton, Woolen |
| No. 16 | No. 30 – No. 50 | Muslin, Woolen, Tarpaulin, Thin Leather |
| No. 22 | | Medium Leather, Canvas |

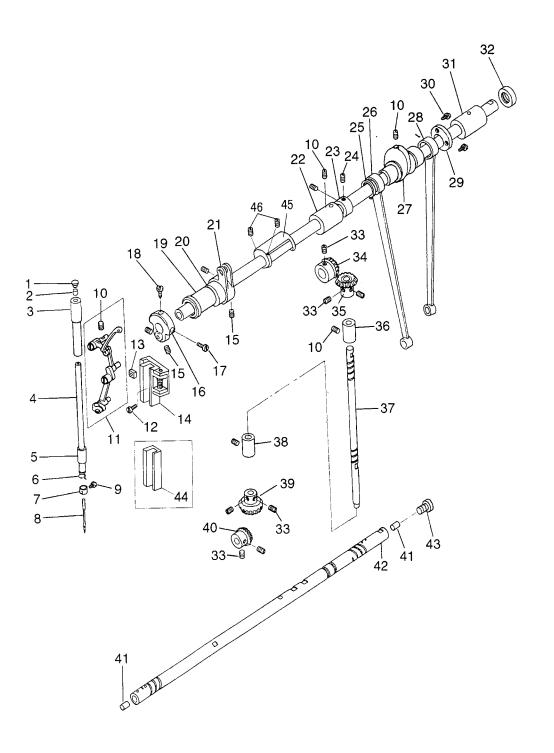


A.ARM BED AND ITS ACCESSORIES

| Fig. | Part No. | Description | 1 | 1 D | Remarks |
|------|------------|------------------------------------|---|-------------------|-----------------|
| A01 | HA300B2090 | Rubber plug | 4 | 4 · | (φ8.8) |
| A02 | HA300B2110 | Rubber plug | 1 | 1 | (φ5.7) |
| A03 | HA300B2160 | Screw | 6 | 6 | SM11/64(40)×9 |
| A04 | H6512B8001 | Arm side cover | 1 | 1 | |
| A05 | H6513B8001 | Gasket for arm side cover | 1 | 1 | |
| A06 | HA307B0673 | Rubber plug | 3 | 5 | (φ19) |
| A07 | HA700F2100 | Screw | 1 | 1 | SM11/64(40)×7 |
| A08 | H6017B8001 | Thread guide | 1 | 1 | |
| A09 | H6022B8001 | Coil spring for upper feed lifting | 1 | 1 | |
| A10 | H6023B8001 | Stopper pin for upper feed lifting | 1 | 1 | |
| A11 | H431040060 | Set screw | 2 | 2 | GB/T80 M4×6 |
| A12 | H6024B7101 | Dial for upper feed lifting | 1 | 1 | |
| A13 | HA300C2030 | Screw | 7 | 7 | SM11/64(40)×8 |
| A14 | H6515B8001 | Top cover | 1 | 1 | |
| A15 | H6516B8001 | Gasket for top cover | 1 | 1 | |
| A16 | H1210B0067 | Oil check window | 1 | 1 | |
| A17 | H6030B8001 | Rubber plug | 1 | 1 | (φ22) |
| A18 | H6032B8001 | Rubber plug | 1 | 1 | (φ26) |
| A19 | H6518B8001 | Upper feed lifting regulator cam | 1 | 1 | |
| A20 | HA600C2020 | Thread take-up cover | 1 | 1 | |
| A21 | HA100B2110 | Screw | 1 | 1 | SM11/64(40)×5.5 |
| A22 | HA300B2100 | Rubber plug | 1 | 1 | (φ27) |
| A23 | H005008060 | Spring washer | 2 | 2 | GB/T93 6 |
| A24 | HA100B2220 | Leg | 3 | 3 | |
| A25 | HA710B0671 | Pre tension adjusting nut | | 1 | * |
| A26 | HA710B0672 | Thread tension spring | | 1 | |
| A27 | HA112B0693 | Thread tension disc | | 2 | |
| A28 | HA710B0673 | Thread tension stud | | 1 | |
| A29 | HA710B0674 | Thread guide | | 1 | |
| A30 | HA106B0676 | Screw | 2 | 2 | SM9/64(40)×6 |
| A31 | HA600B2050 | Thread guide | 1 | 1 | |
| A32 | HA300B2080 | Screw | 1 | 1 | SM15/64(28) |
| A33 | HA300B2130 | Screw | 2 | 2 | SM11/64(40)×5.5 |
| A34 | HA300B2140 | Cloth guide plate | 1 | 1 | |
| A35 | HA307B0674 | Rubber plug | 2 | 4 | (φ11.8) |
| A36 | HA500C2070 | Screw | 1 | 1 | SM9/64(40)×5 |
| A37 | HA500C206 | Thread guide | 1 | 1 | |
| A38 | HA115B701 | 1 O-ring | 1 | 1 | |
| A39 | HA310B070 | Thread tension regulator bushing | 1 | 1 | |
| A40 | HA505B067 | Thread take-up spring | 1 | 1 | |
| A41 | HA115B070 | 9 Thread releasing pin | 1 | 1 | |
| A42 | 1 | 1 Thread tension stud | 1 | 1 | |
| A43 | HA310B070 | 5 Thread tension disc | 2 | 2 | |

A.ARM BED AND ITS ACCESSORIES

| Fig. No. | Part No. | Description | 1 | 1 D | Remarks |
|-------------|------------|-------------------------------|--------|-------------------------|-------------------|
| A44 | HA310B0702 | Thread tension releasing disc | 1 | 1 | |
| A45 | | Thread tension spring | 1 | 1 | |
| A46 | | Thumb nut revolution stopper | 1 | 1 | |
| A47 | HA310B0701 | | 1 | 1 | |
| A48 | HA115B0708 | Screw | 1 | 1 | SM9/64(40)×6 |
| A49 | HA607B0671 | | 1 | 1 | |
| A50 | l | | 2 | 2 | |
| A51 | i e | Plate spring for slide plate | 1 | 1 | |
| A52 | HA124B0711 | | 1 | 1 | |
| A53 | H1100B2060 | _ | 1 | 1 | |
| A54 | i . | - | 2 | 2 | |
| A55 | HA700B2030 | | 2 | 2 | |
| A56 | H5341B8001 | | | | CD 611/64(40) v26 |
| A57 | H6517B8001 | | 1 | 1 | SM11/64(40)×26 |
| 1 | | | 1 | 1 | |
| A58 | HB5253B081 | | | 1 | |
| A58 | H6507B8001 | | 1 | | |
| A59 | HB5254B081 | | | 1 | |
| A59 A60 | H6508B8001 | Bed Three hole thread guide | 1 1 | | |
| | | | | | |

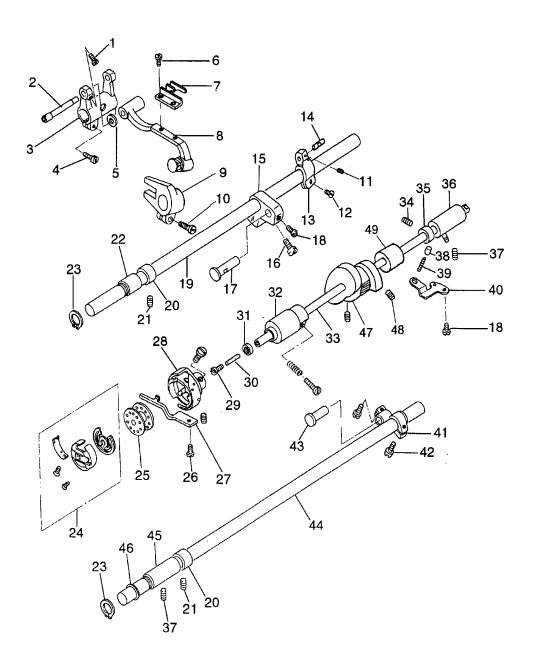


B.SEWING MECHANISM

| Fig. | Part No. | Description | | 1 D | Remarks |
|------|------------|----------------------------------|-----|-------------------|----------------|
| B01 | HA300B2090 | Rubber plug | 1 | 1 | φ8.8 |
| B02 | HA100C2100 | Felt plug | 1 | 1 | |
| B03 | HA100C2080 | Needle bar bushing (upper) | 1 | 1 | · |
| B04 | H2100C2010 | Needle bar | 1 . | 1 | |
| B05 | HA804B0652 | Needle bar bushing (lower) | 1 | 1 | · |
| B06 | HA500C2060 | Lower thread guide | 1 | 1 | · |
| B07 | HA500C2030 | Thread guide | 1 | 1 | |
| B08 | H2000G2030 | Needle | 1 | 1 | DP×17 #22 |
| B09 | HA100C2170 | Set screw | 1 | 1, | SM1/8(44)×4.5 |
| B10 | HA100C2020 | Screw | 6 | 6 | SM15/64(28)×10 |
| B11 | H1104C0065 | Thread take-up lever assay | 1 | 1 | |
| B12 | HA100C2190 | Screw | 2 | 2 | SM11/64(40)×8 |
| B13 | HA100C2200 | Slide block | 1 | 1 | |
| B14 | HA704G0065 | Needle bar connecting link guide | | 1 | |
| B15 | HA307C0662 | Set screw | 4 | 4 | SM1/4(40)×6 |
| B16 | HA307C0661 | Needle bar crank | 1 | 1 | |
| B17 | HA100C2060 | Set screw | 1 | 1 | SM9/32(28)×13 |
| B18 | HA307C0662 | Set screw | 1 | 1 | SM9/32(28)×14 |
| B19 | HA100D2030 | Upper shaft bushing (upper) | 1 | 1 | |
| B20 | H6013C8001 | Upper feed lifting cam | 1 | 1 | |
| B21 | H6016C8001 | Upper feed rock crank (left) | 1 | 1 | |
| B22 | HA100D2040 | Upper shaft bushing (middle) | 1 | 1 | · · |
| B23 | HA108G0661 | Collar for upper shaft | 1 | 1 | |
| B24 | HA105D0662 | Screw | 2 | 2 | SM1/4(40)×4 |
| B25 | HA112D3012 | C-type retaining ring | 1 | 1 | |
| B26 | HA112D3013 | Crank rock | 1 | 1 | |
| B27 | H6510D8001 | Feed cam | 1 | 1 | |
| B28 | HA7311C506 | Feed rock | 1 | 1 | |
| B29 | HA7311C206 | Feed cam cover | 1 | 1 | |
| B30 | HA7311C306 | Set screw | 3 | 3 | |
| B31 | HA300D2020 | Upper shaft bushing (right) | 1 | 1 | |
| B32 | HA306D0066 | Oil seal | 1 | 1 | |
| B33 | HA108C0663 | Screw | 8 | 8 | SM1/4(40)×7 |
| B34 | HA113D2112 | Upper shaft gear | 1 | 1 | Z=27 |
| B35 | HA113D2122 | Vertical shaft gear (upper) | 1 | 1 | Z=18 |
| B36 | HA100D2110 | Vertical shaft bushing (upper) | 1 | 1 | |
| B37 | H6504D8001 | Vertical shaft | 1 | 1 | |
| B38 | HA600D2010 | Vertical shaft bushing (lower) | 1 | 1 | |
| B39 | HA113D2222 | Vertical shaft gear (upper) | 1 | 1 | Z=28 |
| B40 | HA113D2212 | Lower shaft gear | 1 | 1 | Z=21 |
| B41 | HA104D0652 | Rubber plug | 2 | 2 | (φ7.4×10) |
| B42 | H6506D8001 | Arm shaft | 1 | 1 | |
| B43 | HA100D2080 | Screw | 1 | 1 | SM11/32(28)×10 |

B.SEWING MECHANISM

| Fig. | Part No. | Description | 1 | | Remarks |
|------|------------|----------------------------------|---|------------------------------------|-------------|
| B44 | HA100C2180 | Needle bar connecting link guide | 1 | | |
| B45 | | Balance weight | 1 | 1 | |
| B46 | HA307C0662 | Set Screw | 2 | 2 | SM1/4(40)×6 |
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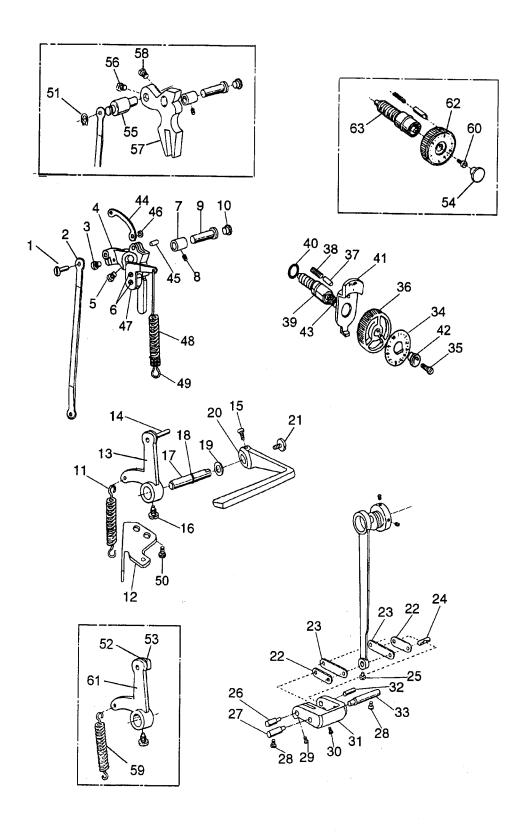


C.FEEDING AND FEED LIFTING & LOWER SHAFT MECHANISM

| | T | | - | т — | T |
|-------------|--------------|--------------------------------|--------------|----------------|----------------|
| Fig. No. | Part No. | Description | 1 | 1 1 D | Remarks |
| C01 | HA100C2190 | Screw | 1 | 1 | |
| C02 | HA705J0654 | Shaft for feed bar | 1 | | |
| C03 | HA104G0011 | Feed rock shaft crank | 1 | 1 | |
| C04 | HA104G0012 | Screw | 2 | 2 | ļ |
| C05 | HA104G0656 | Washer | 1 | 1 | |
| C06 | HA104G0654 | Screw | 2 | 2 | |
| C07 | H6005D8001 | Feed gog | 1 | 1 | |
| C08 | H6508G8001 | Feed bar assay | 1 | 1 | |
| C09 | H1204D0651 | Feed lifting rock shaft fork | 1 | 1 | |
| C10 | HA111G0683 | Screw | 1 | 1 | |
| C11 | HA7311C806 | Screw | 1 | 1 | SM11/64(40)×7 |
| C12 | HA7311C606 | Screw | 1 | 1 | SM11/64(40)×15 |
| C13 | HA8211C205 | Feed rock shaft crank (right) | 1 | 1 | |
| C14 | HA706C11B2 | Pin | 1 | 1 | |
| C15 | H6504G8001 | Feed rock shaft crank | 1 | l ₁ | |
| C16 | HA104G0012 | Screw | 1 | 1 | SM3/16(28)×12 |
| C17 | H6505G8001 | Pin | 1 | 1 | 15(26) 12 |
| C18 | HA104F0654 | Screw | 2 | 2 | |
| C19 | HA300G2050 | Feed rock shaft | 1 | 1 | |
| C20 | HA108G0661 | Collar for feed rock shaft | 2 | 2 | |
| C21 | HA105D0662 | Screw | 4 | 4 | |
| C22 | HA100G2040 | Bushing for feed rock shaft | 1 | 1 | |
| C23 | 1 3 | C-type retaining ring | 1 | 1 | GB/T894.1 15 |
| C24 | HA900E2030 | Bobbin case | | 1 | |
| C24 | HA608E0067 | Bobbin case | 1 | | |
| C25 | HA600E2060 | Bobbin | | 1 | |
| C25 | H1100E2010 | Bobbin | 1 | | |
| C26 | HA100E2150 | Screw | | 1 | |
| C27 | H2100E2010 | Hook positioner | 1 1 | 1 | |
| C28 | HA906E0066 | Rotating hook | | 1 | |
| C28 | HA600E2070 | Rotating hook | 1 | - | |
| C29 | HA1111E104 | Screw | 1 | 1 | |
| C30 | HA1111E204 | Oil felt for hook shaft | 1 | 1 | |
| C31 | HA106E0071 | Oil seal | 1 | 1 |] |
| C32 | HA100E2040 I | Bushing for hook shaft (left) | 1 | 1 | İ |
| C33 | HA604E0651 | Hook shaft | 1 | 1 | |
| C34 | HA305E0662 | Screw | 2 | 2 | |
| C35 | HA305E0661 | Collar for hook shaft | 1 | 1 | |
| C36 | HA311E0671 | Bushing for hook shaft (right) | 1 | 1 | |
| C37 | HA100C2020 S | | 2 | 2 | |
| C38 | HA300E2100 | | 1 | 1 | |
| C39 | HA300E2110 | - | 1 | 1 | |
| C40 | НА900М0010 | | | 1 | |
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C.FEEDING AND FEED LIFTING & LOWER SHAFT MECHANISM

| Fig. No. | Part No. | Description | 1 | 1 | Remarks |
|-------------|------------|---------------------------------------|---|-------|---------|
| C40 | HA600E2020 | Guide plate | 1 | | |
| C41 | | Feed lifting rock shaft crank (right) | 1 | 1 | |
| C42 | HA104G0012 | | 2 | 2 | |
| C43 | HA100G2070 | | 1 | 1 | |
| C44 | | Feed lifting rock shaft | 1 | 1 | |
| C45 | | Bushing for feed lifting shaft | 1 | 1 | |
| C46 | | | 1 | 1 | |
| C47 | | Thread trimmer cam | _ | 1 | |
| C48 | HA710E0692 | | | 2 | |
| | | | | 1 | |
| C49 | HA704B0653 | Bushing for hook shaft (middle) | | 1 | |
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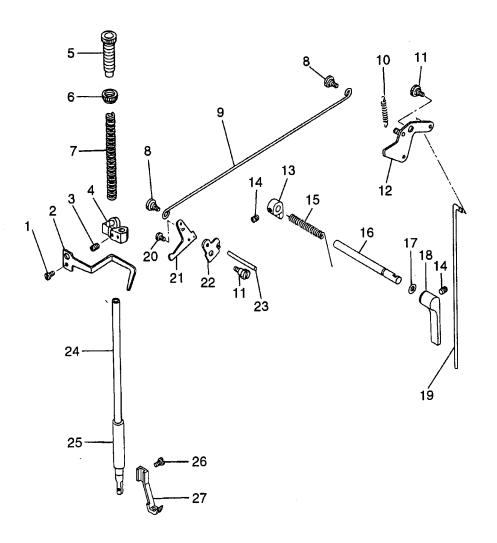


D.STITCH REGULATOR MECHANISM

| Fig. No. | Part No. | Description | 1 | 1 D | Remarks |
|-------------|------------|-------------------------------|---------|-------------------------|----------------|
| D01 | HA700C2060 | | | 1 | |
| D02 | | Connecting rod stud | 1 | 1 | |
| D03 | HA111G0683 | | | 1 | |
| D04 | | Feed regulator | | 1 | |
| D05 | HA113F0684 | ' | | 1 | SM15/64(28)×10 |
| D06 | HA100C2190 | | | 2 | |
| D07 | | Bushing for feed regulator | 1 | 1 | |
| D08 | HA100C2020 | | 1 | 1 | SM15/64(28)×10 |
| D09 | HA100F2040 | | 1 | 1 | |
| D10 | HA700B2120 | | 1 | 1 | (φ20×6) |
| D11 | H2600E2050 | | | 1 | |
| D12 | | Spring holder | | 1 | |
| D13 | H2605E0661 | | | 1 | |
| D14 | | Slide block pin | | 1 | |
| D15 | 04F0654 | Screw | 1 | 2 | SM15/64(28)×10 |
| D16 | HA100F2130 | | 1 | 1 | SM15/64(28)×14 |
| D17 | | Feed reversing lever shaft | 1 | 1 | |
| D18 | HA113F3022 | _ | 1 | 1 | 9×1.9 |
| D19 | | Spring washer | 1 | 1 | |
| D20 | 1 | Feed reversing lever | 1 | 1 | |
| D21 | HA113F0683 | | 1 | 1 | SM3/16(28)×6.5 |
| D22 | HA706C1191 | link (short) | 2 | 2 | |
| D23 | HA8211C305 | 1 | 2 | 2 | |
| D24 | HA706C11B1 | | 1 | 1 | |
| D25 | HA7311C806 | | 1 | 1 | |
| D26 | HA7311CF06 | | 1 | 1 | |
| D27 | | Feed regulator shaft (left) | 1 | 1 | |
| D28 | HA111G0683 | Screw | 2 | 2 | |
| D29 | HA7311CC06 | Screw | 1 | 1 | |
| D30 | HA7311CD06 | Screw | 1 | 1 | |
| D31 | HA7311CG06 | Stitch length adjusting crank | 1 | 1 | |
| D32 | HA7311CE06 | Link stud | 1 | 1 | |
| D33 | 1 | Feed regulator shaft (right) | 1 | 1 | |
| D34 | | Plate for stitch length | | 1 | |
| D35 | HA720F0686 | Screw | | 1 | SM3/16(28)×18 |
| D36 | HA7421F120 | Dial | | 1 | |
| D37 | HA100F2080 | Stopper pin | 1 | 1 | |
| D38 | HA100F2090 | Spring for stopper pin | 1 | 1 | |
| D39 | HA720F0681 | Screw bar | | 1 | |
| D40 | HA109F0674 | O-ring | 1 | 1 | 14×2.4 |
| D41 | HA720F0683 | Stopper pin releasing lever | | 1 | |
| D42 | HA720F0685 | Bushing | • | 1 | |
| D43 | HA720F0687 | Coil spring | <u></u> | 1 | |

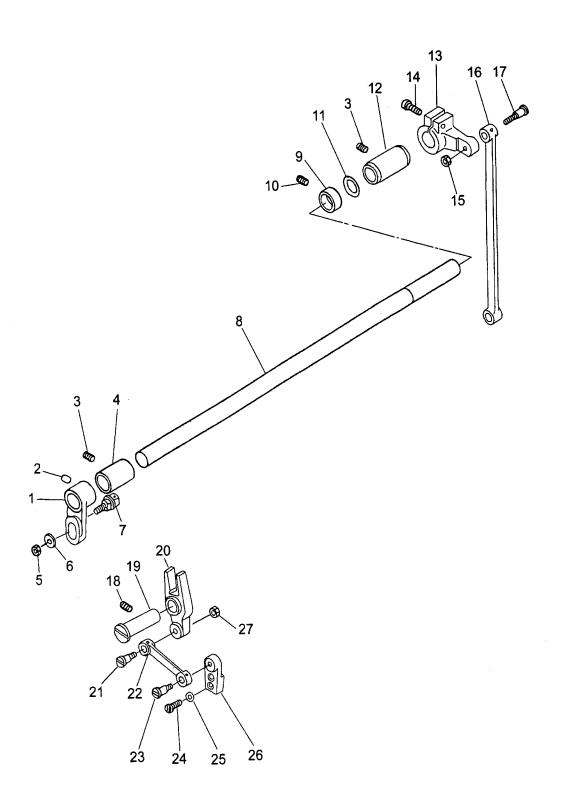
D.STITCH REGULATOR MECHANISM

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|-------------|------------|-------------------------------------|-----|-----------------|-----------|
| Fig. No. | Part No. | Description | 1 | 1 1 D | Remarks |
| D44 | HB5255F081 | Link for resrve feed | | 1 | |
| D45 | H2204D0652 | Pin | | 1 | |
| D46 | H007013040 | E-type ring | | 1 | GB/T896 4 |
| D47 | H2600E2020 | Spring retainer | | 1 | |
| D48 | HA806C0674 | Coil spring | | 1 | |
| D49 | HA806C0675 | Spring holder | | 1 | |
| D50 | HA800F2020 | Screw | | 1 | |
| D51 | H007013050 | E-type ring | 1 | | GB/T896 5 |
| D52 | HA1511F115 | Slide block pin | 1 | | |
| D53 | HA1511F215 | Slide block | 1 | | |
| D54 | HA300F2050 | Rubber piug | 1 | | |
| D55 | H1204E0652 | Stitch length adjusting swing shaft | 1 | | |
| D56 | HA100C2190 | Screw | 1 | | |
| D57 | H1404E0651 | Feed regulator | 1 | | |
| D58 | HA104F0654 | Screw | 4 | | |
| D59 | HA115F0692 | Spring | 1 | | |
| D60 | HA109F0673 | Screw | 1 | | |
| D61 | HA115F0691 | Crank | 1 | | |
| D62 | H3100E2070 | Dial | 1 | | |
| D63 | HA506F0671 | Screw bar | 1 | | |
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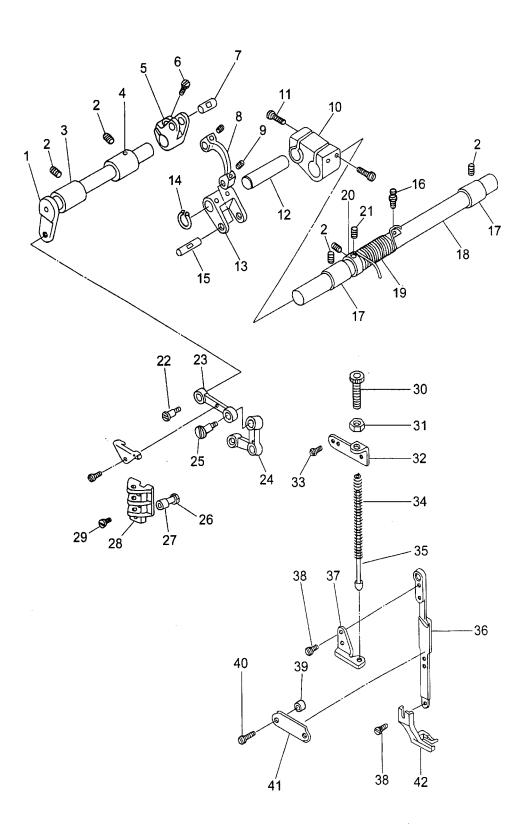
E.PRESSER FOOT MECHANISM

| | | | T | 1 | |
|-------------|-------------|----------------------------|-----|----------------|------------------|
| Fig. No. | Part No. | Description | 1 | 1 D | Remarks |
| E01 | HA300B2130 | Screw | 1 | 1 | SM11/64(40)×5.5 |
| E02 | HA300H2120 | Thread guide | 1 | 1 | 51111104(40)×5.5 |
| E03 | HA3411D308 | Presser bar guide bracket | 1 | 1 | SM15/64(28)×7 |
| E04 | H2305H0671 | _ | 1 | 1 | 51113/04(20)^/ |
| E05 | H2005I0065 | Thumb screw | 1 | 1 | |
| E06 | HA117H0692 | Nut | 1 | 1 | |
| E07 | H1100H2020 | Presser bar spring | 1 | 1 | |
| E08 | HA107H0662 | | 2 | 2 | SM3/16(28)×3.5 |
| E09 | i l | Knee lifter lever | 1 | 1 | 51413/10(26)^3.3 |
| E10 | H6017H8001 | | 1 | 1 | |
| E11 | HA100H2050 | | 2 | 2 | SM15/64(28)~10 |
| E12 | l l | Knee lifter lever | 1 | 1 | SM15/64(28)×10 |
| E13 | | Presser bar lifting cam | 1 | | |
| E14 | HA100C2090 | | 2 | 1 | |
| E15 | H6008H8001 | | 1 | 2 | |
| E16 | | Presser bar lifting shaft | | 1 | |
| E17 | HA300H2080 | _ | 1 | 1 | |
| E18 | l l | Presser bar lifter | 1 | 1 | |
| E19 | 1 | Knee lifter connecting rod | 1 . | | |
| E20 | HA107H1013 | | 1 | 1 | |
| E21 | | Knee lifter lever (left) | 1 | | SM11/64(40)×6.5 |
| E22 | 1 | Tension releasing cam | 1 | 1 | |
| E23 | | Thread releasing pin | 1 | 1 | |
| E24 | H2000I2010 | | 1 | 1 | |
| E25 | 1 | Bushing for presser bar | 1 | 1 | |
| E26 | HA100H2150 | i | 1 | 1 | |
| E27 | H2205F0651 | | 1 | | SM9/64(40)×11 |
| L2/ | 11220310031 | Fresser 100t | 1 | 1 | |
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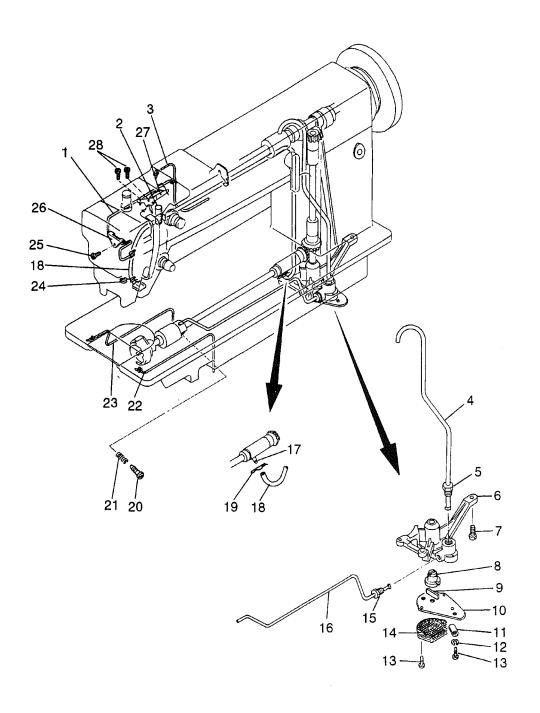
F.TOP FEED MECHANISM

| Fig. | | | | 1 | |
|------|------------|---|---|---|----------------|
| No. | Part No. | Description | 1 | D | Remarks |
| F01 | H2009N0065 | Upper feed rock shaft crank (left) | 1 | 1 | |
| F02 | H602040240 | Pin | 1 | 1 | GB/T117 A4×24 |
| F03 | HA100B2110 | Screw | 2 | 2 | |
| F04 | H2100I2060 | Bushing for upper feed rock shaft crank | 2 | 2 | |
| F05 | H2013N0067 | Nut | 1 | 1 | |
| F06 | H2013J0065 | Washer | 1 | 1 | |
| F07 | H2121I0065 | Feed connecting slick block | 1 | 1 | |
| F08 | H2009N0066 | Upper feed rock shaft | 1 | 1 | |
| F09 | HA108G0661 | Collar | 1 | 1 | |
| F10 | HA105D0662 | Screw | 2 | 2 | |
| F11 | H6018F8001 | O-ring | 1 | 1 | |
| F12 | H6505I8001 | Bushing for upper feed rock shaft crank | 1 | 1 | |
| F13 | H6506I8001 | Upper feed rock shaft crank (right) | 1 | 1 | |
| F14 | H6017F8001 | Screw | 1 | 1 | SM15/64(28)×18 |
| F15 | H2010J0066 | Nut | 1 | 1 | , , |
| F16 | H6505I8001 | Feed driver connecting rod | 1 | 1 | |
| F17 | H2012N0066 | Screw | 1 | 1 | |
| F18 | H2100I2070 | Screw | 1 | 1 | |
| F19 | H2013N0066 | Hinge pin | 1 | 1 | |
| F20 | H2013N0069 | Feed connecting lever | 1 | 1 | |
| F21 | H2008N0065 | Screw | 1 | 1 | |
| F22 | H2013N0070 | Walking foot connecting rod | 1 | 1 | |
| F23 | H2004J0662 | Screw | 1 | 1 | SM1/4(40)×5 |
| F24 | H2004J0067 | Screw | 2 | 2 | |
| F25 | HA100I2050 | Spring washer | 2 | 2 | |
| F26 | H2004J0661 | Feed arm | 1 | 1 | |
| F27 | H2008N0066 | Nut | 1 | 1 | |
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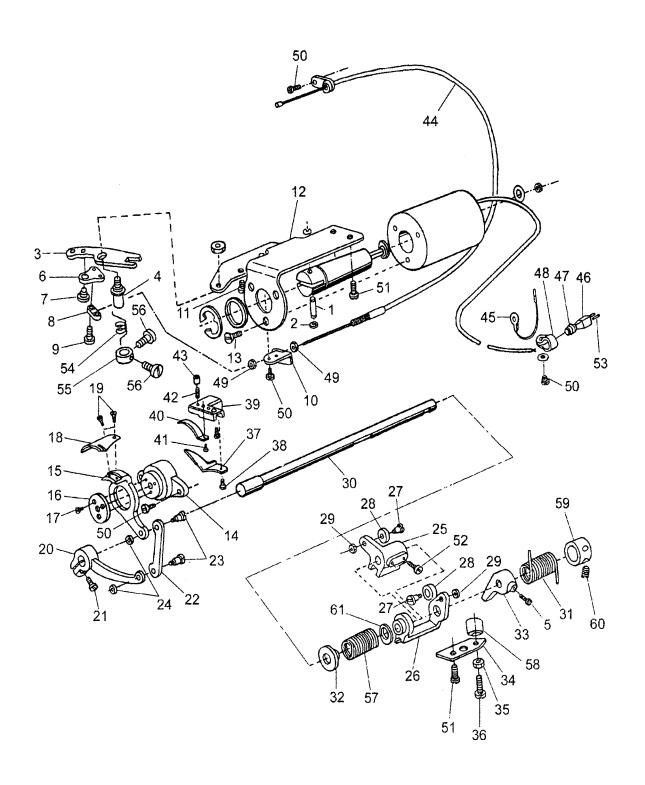
G.UPPER FEED LIFTING ROCK SHAFT MECHANISM

| Fig. | Part No. | Description | 1 | | Remarks |
|---------|------------|---|---------|-------------------------------|------------------|
| G01 | H6005G8001 | Upper feed lifting rock shaft | 1 | 1 | |
| G02 | HA100B2110 | Screw | 4 | 4 | SM11/64(40)×5.5 |
| G03 | H6006G8001 | Bushing for upper feed lifting rock shaft | 1 | 1 | |
| G04 | H6007G8001 | Bushing for upper feed lifting rock shaft | 1 | 1 | |
| G05 | H6009G8001 | Upper feed lifting rock crank | 1 | 1 | |
| G06 | HA800F2020 | Screw | 1 | 1 | SM15/64(28)×13.5 |
| G07 | H6010G8001 | Upper feed lifting rock crank shaft | 1 | 1 | |
| G08 | H6011G8001 | Link | 1 | 1 | |
| G09 | H6039G8001 | Screw | 2 | 2 | SM11/64(40)×3.8 |
| G10 | H6013G8001 | Upper feed regulator bracket | 1 | 1 | |
| G11 | HA7311C606 | Screw | 4 | 4 | SM11/64(40)×15 |
| G12 | H6014G8001 | Shaft for upper feed lifting rock shaft | 1 | 1 | |
| G13 | H6015G8001 | Crank for upper feed lifting rock crank | 1 | 1 | |
| G14 | H007009100 | C-type ring | 1 | 1 | GB/T894.1 10 |
| G15 | H6016G8001 | Pin | 1 | 1 | |
| G16 | H6020G8001 | Cam follower | 1 | 1 | SM15/64(28)×10 |
| G17 | HA100G2040 | Bushing for upper feed shaft | 2 | 2 | |
| G18 | H6504I8001 | Upper feed regulator shaft | 1 | 1 | |
| G19 | H6021G8001 | Spring | 1 | 1 | |
| G20 | HA108G0661 | Collar | 1 | 1 | |
| G21 | HA105D0662 | Screw | 2 | 2 | SM1/4(40)×4 |
| G22 | H2004J0662 | Screw | 2 | 2 | SM1/4(40)×5 |
| G23 | H6023G8001 | Link for feed lifting rock shaft | 1 | 1 | |
| G24 | H2100I2020 | Bell crack | 1 | 1 | |
| G25 | H2004J0653 | Screw | 1 | 1 | |
| G26 | H2004J0655 | Feed crank guide shaft | 1 | 1. | |
| G27 | H2000J2030 | Lifting presser spring guide pin | 1 | 1 | |
| G28 | H2000J2020 | Lifting presser plate | 1 | 1 | |
| G29 | H2000I2050 | Screw | 2 | 2 | |
| G30 | H2010J0065 | Screw | 1 | 1 | |
| G31 | H2010J0066 | Nut | 1 | 1 | |
| G32 | H6032G8001 | Presser regulating bracket | 1 | 1 | |
| G33 | HA300C2030 | Screw | 2 | 2 | |
| G34 | H6038G8001 | Spring | 1 | 1 | |
| G35 | H2000J2040 | Spring guide bar assay | 1 | 1 | |
| G36 | H2004J0654 | Walking foot guide link | 1 | 1 | |
| G37 | H6033G8001 | Spring guide bar holder | 1 | 1 | |
| G38 | HA100H2150 | Screw | 3 | 3 | |
| G39 | H2000N0040 | Washer | 2 | 2 | |
| G40 | HA111G0683 | Screw | 2 | 2 | |
| G41 | H2000N0030 | Walking foot guide barcket | 1 | 1 | |
| G42 | H2000N0010 | Walking foot | 1 | 1 | |
| <u></u> | · | | <u></u> | | |



H.OIL LUBRICATION MECHANISM

| Fig. No. | Part No. | Description | 1 | 1 | Remarks |
|-------------|------------|----------------------------------|---|-------|---------|
| H01 | H6017G8001 | Oil wick | 1 | 1 | |
| H02 | HA700B2150 | Oil felt | 1 | 1 | |
| H03 | H6019I8001 | Oil wick | 1 | 1 | |
| H04 | HA116I0681 | Upper shaft oil tube | 1 | 1 | · |
| H05 | HA116I0682 | Bushig | 1 | 1 | |
| H06 | H6006I8001 | Oil pump | 1 | 1 | |
| H07 | HA100I2090 | Screw | 3 | 3 | |
| H08 | H6010I8001 | Rooter | 1 | 1 | |
| H09 | H6011I8001 | slider | 1 | 1 | |
| H10 | H6012I8001 | Oil pump cover | | 1 | |
| H10 | H6507J8001 | Oil pump cover | 1 | | |
| H11 | HA100I2070 | Oil adjusting plate | 1 | 1 | |
| H12 | HA100I2050 | Spring washer | 1 | 1 | 3.5 |
| H13 | HA100I2040 | Screw | 3 | 3 | |
| H14 | HA111I0065 | Oil pump filter | 1 | 1 | |
| H15 | HA113I0661 | Bushing | 1 | 1 | |
| H16 | HA113I0662 | Lower shaft oil tube | 1 | 1 | |
| H17 | HA110E0672 | Oil pipe for lower shaft bushing | 1 | 1 | |
| H18 | HA305I0661 | Oil return tube | 1 | 1 | 3×650 |
| H19 | HA300I2030 | Oil return tube cilp | 1 | 1 | |
| H20 | HA100E2050 | Oil adjusting screw | 1 | 1 | |
| H21 | HA100E2060 | Oil adjusting spring | 1 | 1 | |
| H22 | HA305G0664 | Oil wick | 1 | 1 | |
| H23 | HA304G0655 | Oil wick | 1 | 1 | |
| H24 | HA300I2060 | Oil felt holder | 1 | 1 | |
| H25 | HA106B0676 | Screw | 1 | 1 | |
| H26 | H6009I8001 | Oil wick holder | 1 | 1 | |
| H27 | H3004L0065 | Oil wick holder | 1 | 1 | |
| H28 | H2200H2150 | Screw | 2 | 2 | |
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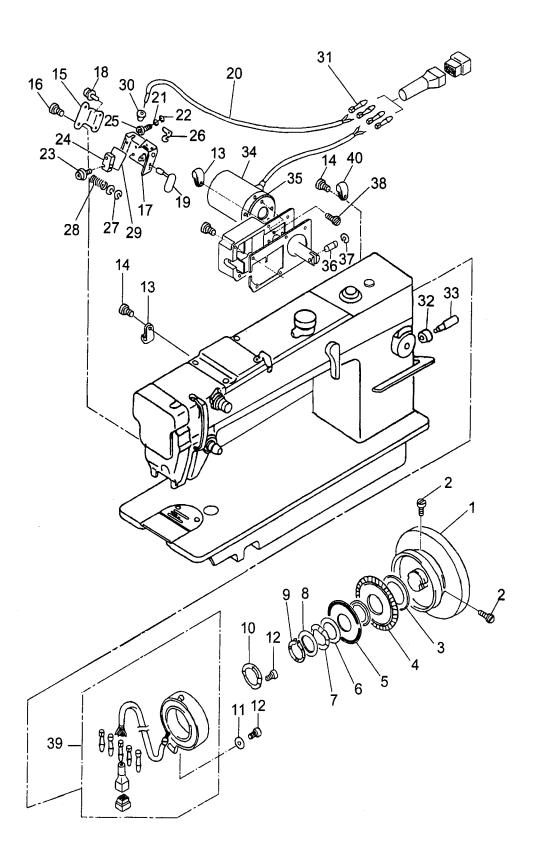


I.UPPER FEED ROCK SHAFT MECHANISM

| Fig. | Part No. | Description | ļ 1 | 1 D | Remarks |
|------|------------|-------------------------------------|--------|-------------------------|----------------|
| I01 | HA712N0692 | Link stud | | 1 | |
| I02 | H007013040 | E-type ring 4 | | 2 | GB/T896 4 |
| I03 | HA712N0698 | Thread trimmer driving lever | | 1 | · |
| I04 | HA712N0695 | Stud screw | | 1 | SM3/16(28)×6 |
| 105 | HA113F0684 | Set screw | | 1 | |
| I06 | HA712N6910 | Flexible wire bracket | | 1 | } |
| 107 | HA712N0699 | Set screw | | 1 | SM11/64(40)×4 |
| I08 | HA712N6911 | Link bracket | | 1 | |
| 109 | HA712N6912 | Set screw | | 2 | SM1/8(44)×7 |
| I10 | HA712N6913 | Holder | | 1 | |
| I11 | HA100E2150 | Set screw | | 1 | |
| I12 | HA7511N212 | Solenoid bracket | | 1 | |
| I13 | | P-type screw | | 3 | |
| I14 | HA704N1111 | Knife holding bracket saddle | | 1 | |
| I15 | HA904N1111 | Knife holding bracket saddle (left) | | 1 | |
| I16 | HA704N1113 | Washer | | 1 | |
| 117 | HA704N1114 | Set screw | | 3 | |
| I18 | HA9111N204 | Movable knife (left) | | 1 | |
| I19 | HA7111N704 | Set screw | | 2 | |
| I20 | HA7111N604 | Knife driving crank | | 1 | |
| I21 | HA719B7011 | Set screw | | 1 | |
| 122 | HA7111N404 | Link | | 1 | |
| 123 | HA7111N204 | Set screw | | 2 | |
| I24 | HA7111N304 | Nut | | 2 | |
| 125 | 1 | Cam follower crank 1 | | 1 | |
| 126 | HA7211N206 | Cam follower crank 2 | | 1 | |
| 127 | HA7221N206 | Roller stud | | 2 | |
| 128 | HA7221N106 | Roller | | 2 | |
| 129 | HA706N0663 | Nut | | 2 | |
| 130 | HA900N0020 | Knife driving shaft | i | 1 | |
| I31 | HA700N0110 | Coil spring | | 1 | |
| 132 | HA700N0050 | Brshing | | 1 | |
| I33 | HA906N0661 | Stopper lever | | 1 | |
| I34 | HA710N0682 | Lever stopper plate | | 1 | |
| 135 | HA710N0683 | Nut | 1 | 1 | SM15/64(28)×23 |
| 136 | HA7411N110 | Set screw | | 1 | |
| 137 | HA9121N204 | Thread finger | | 1 | |
| 138 | HA7311CH06 | Set screw | | 3 | |
| 139 | HA7121N104 | Bracket for fixed blade | | 1 | |
| 140 | HA9121N104 | Fixed blade | | 1 | |
| 141 | HA7121N304 | Set screw | | 1 | |
| I42 | HA7121N604 | Set screw | | 1 | |
| 143 | HA7121N704 | Nut | | 1 | |

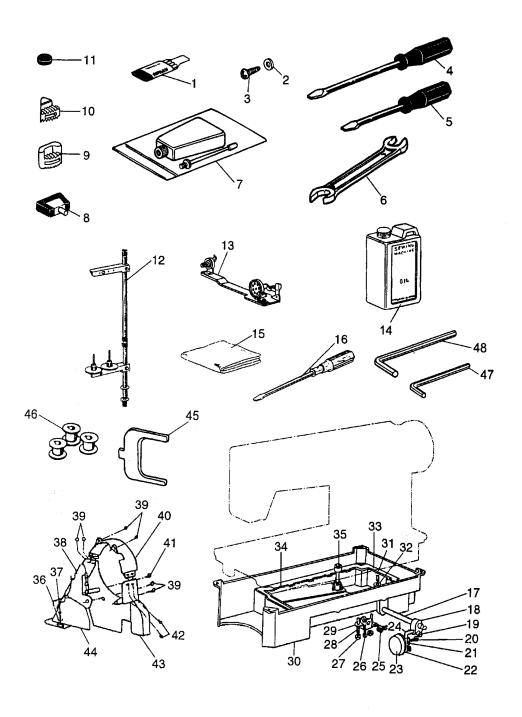
I.UPPER FEED ROCK SHAFT MECHANISM

| Fig. No. | Part No. | Description | 1 | 1 D | Remarks |
|------------------|------------|---|---|-----------------|------------------------|
| I44 | HA713N0702 | Flexible wire | | 1 | NAME OF TAXABLE PARTY. |
| I45 | i e | Grounded wire | | 1 | |
| I46 | | Connector plug | | 1 | |
| I47 | HA704O0657 | Gasket | | 1 | |
| I48 | HA708P0668 | Cord holder HP-3N | | 1 | |
| I49 | H003002050 | Nut M5 | | 2 | GB/T6170 M5 |
| I50 _. | HA300B2170 | Set screw | | 5 | |
| I51 | HA700N0080 | Set screw | | 4 | SM15/64(28)×12 |
| 152 | HA113F0684 | Set screw | | 2 | |
| 153 | HA7641B319 | Adaptor | | 1 | |
| I54 | HA712N0697 | Spring for thread trimmer driving lever | | 1 | · |
| 155 | HA712N0696 | Collar for thread trimmer driving lever | | 1 | |
| I56 | HA7311CC06 | Set screw | | 2 | |
| I57 | HA700N0040 | Coil spring | | 1 | |
| 158 | HA7411N210 | Dead block | | 1 | |
| 159 | HA715N0711 | Collar with screw | | . 1 | |
| 160 | HA105D0662 | Set screw | | 1 | |
| I61 | HA706N0664 | Washer | | 1 | |
| | | | | | |



J.TOUCH BACK MECHANISM & DETECTOR MECHANISM

| Fig. No. | Part No. | Description | 1 | 1 D | Remarks |
|-------------|------------|--|---|---------------|----------------|
| J01 | H2204I0651 | Pulley | | 1 | |
| J01 | H2000C2040 | Pulley | 1 | | |
| J02 | HA110D0672 | Screw | 2 | 2 | |
| J03 | HA700R0030 | Spacer 1 | | 2 | |
| J04 | HA700R0010 | Speed command disc 1 | | 1 | |
| J05 | HA700R0020 | Speed command disc 2 | | 1 | |
| J06 | HA700R0040 | Spacer 2 | | 1 | |
| J07 | HA700R0050 | Supporter spring | | 1 | |
| J08 | HA700R0060 | Washer | | 1 | |
| J09 | H007009300 | C-type ring | | 1 | GB/T894.1 30 |
| J10 | HA703R0066 | Detector bracket assay | | 1 | |
| J11 | HA703R0067 | Washer | | 1 | |
| J12 | HA300C2030 | Screw | | 3 | |
| J13 | HA708P0668 | Cord holder | | 2 | |
| J14 | HA300B2170 | Screw | | 2 | |
| J15 | H6005K8001 | Bracket | | 1 | |
| J16 | HA300B2160 | Screw | | · 2 | SM11/64(40)×10 |
| J17 | H2205I0661 | Bracket for touch switch | | 1 | |
| J18 | HA7221P508 | Screw | | 2 | |
| J19 | HA704O0021 | Push button | | 1 | |
| J20 | HA71610104 | Vinyl cap-trire cable for touch switch | | 1 | |
| J21 | HA704O6512 | | | 2 | |
| J22 | HA704O6511 | 1 | : | 2 | |
| J23 | HA704O6510 | | | 2 | |
| J24 | 1 | Micro switch | | 1 | |
| J25 | HA704O0659 | | | 2 | |
| J26 | HA704O0654 | | İ | 1 | |
| J27 | H007013030 | | İ | 2 | GB/T896 3 |
| J28 | HA704O0653 | 1 | | 1 | |
| J29 | | Insulator set | | 1 | |
| J30 | HA704O0657 | | | 1 | |
| J31 | l . | Terminal pin | | 2 | |
| J32 | 1 | Rubber plug | | 1 | |
| J33 | H2204G0651 | | | 1 | |
| J34 | 1 | Solenoid assay for touch black | | 1 | |
| J35 | HB5256F081 | | | 1 | |
| J36 | HA712N0692 | i | | 1 | CD/T906 4 |
| J37 | H007013040 | | | 1 1 | GB/T896 4 |
| J38 | HA300C2030 | | | 4 | |
| J39 | l . | Detector bracket assay | | 1 . | |
| J40 | HA700Q0050 | Cord holder | | 1 | |
| 1 | | ` | | | |
| | | | | <u> L</u> | |



K.ACCESSORIES

| Fig. No. | Part No. | Description | 1 | 1 D | Remarks |
|-------------|------------|-------------------------------------|---|-----------------|---------------|
| K 01 | | Needle | 4 | 4 | DP×17 #22 |
| K02 | HA300J2230 | Washer | 2 | 2 | 5 |
| K03 | H801045200 | Screw | 2 | 2 | GB/T99 4.5×20 |
| K04 | HA300J2200 | Screw driver (middle) | 1 | 1 | |
| K05 | HA300J2210 | Screw driver (small) | 1 | 1 | |
| K06 | HA300J2220 | Spanner | 1 | 1 | |
| K07 | HA100J2110 | Oil with oiler | 2 | 1 | |
| K08 | HA110J0701 | Hinge with rubber cushion | 2 | 2 | |
| K09 | HA300J2050 | Vibration preventing rubber (large) | 2 | 2 | |
| K10 | HA300J2060 | Vibration preventing rubber (small) | 2 | 2 | |
| K11 | HA100J2120 | Magnet block | 1 | 1 | |
| K12 | HA200J2030 | Thread stand assay | 1 | 1 | |
| K13 | HA905S0066 | Bobbin winder assay | 1 | 1 | |
| K14 | HA100J2170 | Oil tank | 1 | 1 | |
| K15 | HA100J2180 | Cover | 1 | 1 | |
| K16 | HA300J2070 | Screw driver (large) | 1 | 1 | |
| K17 | HA300J2160 | Knee lifter shaft | 1 | 1 | |
| K18 | HA106J0663 | Knee lifter driving crank | 1 | 1 | |
| K19 | HA300J2180 | Screw | 2 | 2 | |
| K20 | HA106J0667 | Screw | 1 | 1 | |
| K21 | HA106J0666 | Knee lifter plate stopper | 1 | 1 | |
| K22 | HA106J0665 | Knee lifter plate | 1 | 1 | |
| K23 | HA106J0668 | Knee lifter cover | 1 | 1 | |
| K24 | HA106J0662 | Knee lifter shaft | 1 | 1 | |
| K25 | HA104J0657 | Coil spring | 1 | 1 | |
| K26 | HA110D0672 | Screw | 1 | 1 | |
| K27 | HA104J6510 | Nut | 2 | 2 | |
| K28 | HA104J0659 | Screw | 1 | 2 | |
| K29 | HA104J0658 | Knee lifter | 1 | 1 | |
| K30 | | Oil reservoir | 1 | 1 | |
| K31 | HA104J0652 | Screw | 1 | 1 | |
| K32 | HA104J0653 | Washer | 1 | 1 | |
| K33 | 1 | Gasket for oil reservoir (small) | 1 | 1 | |
| K34 | 1 | Gasket for oil reservoir (big) | 1 | 1 | |
| K35 | | Knee lifter lifting rod | 1 | 1 | |
| K36 | HA300J2230 | - | 2 | 2 | 5 |
| K37 | H801045200 | | 2 | 2 | GB/T99 4.5×20 |
| K38 | H2008O0701 | | 1 | 1 | |
| K39 | HA300B2170 | 1 | 6 | 6 | SM11/64(40)×8 |
| K40 | H2008O0671 | | 1 | 1 | |
| K41 | HA300J2250 | 1 | 1 | 1 | M4×12.5 |
| K42 | HA300J2280 | | 2 | 2 | SM15/64(28)×8 |
| K42 | H2008O0067 | 1 | 1 | 1 | |

K.ACCESSORIES

| Fig. No. | Part No. | Description | | 1 D | Remarks |
|-------------|------------|----------------------------------|----|----------------|------------|
| K44 | HA305J0665 | Belt cover | 1 | 1 | |
| K45 | HA704S0654 | Detector adjusting plate | | 1 | |
| K46 | HA600E2060 | | | 3 | |
| K46 | H1100E2010 | Bobbin case | 3 | | |
| K47 | HB00001020 | Hexdgon socket screw key 2mm | | 1 | GB/T5356 2 |
| K48 | | Hexdgon socket screw key 3mm | | 1 | GB/T5356 3 |
| | 1250001030 | Troadgon socket serew key Jillin | | 1 | GB/13336 3 |
| | | | 7. | | |
| | | | | | |

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