

BEFORE OPERATION



CAUTION:

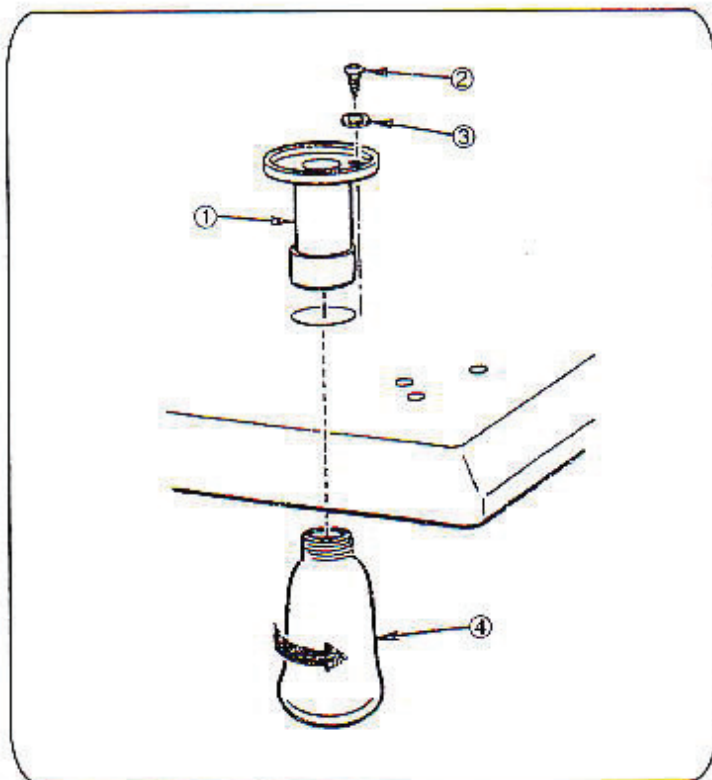
Check the following so as to prevent maloperation of and damage to the machine.

- Before you put the machine into operation for the first time after the set-up, clean it thoroughly. Remove all dust gathering during transportation and oil it well.
- Confirm that voltage has been correctly set.
Confirm that the power plug has been properly connected to the power supply.
- Never use the machine in the state where the voltage type is different from the designated one.
- The direction of normal rotation of the machine is counterclockwise as observed from the pulley side.
Take care not to allow the machine to rotate in the reverse direction.
- Never operate the machine unless the machine head and the oil tank have been filled with oil.
- For a test run, remove the bobbin and the needle thread.
- For the first month, decrease the sewing speed and run the sewing machine at a speed of 2,000 rpm or less.
- Operate the handwheel after the machine has totally stopped.

1. SPECIFICATIONS

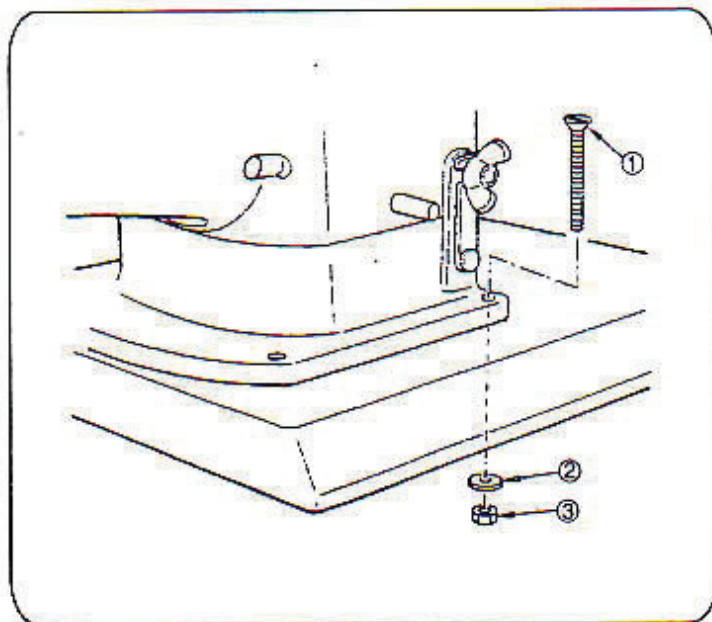
| Model | 1340 | 1341/1341-SC-BH | 1342 | 1342-7 |
|-------------------------------|---|---|---|---|
| Sewing speed | Max. 2,000 rpm | | Max. 2,500 rpm | |
| Needle | SCHMETZ DP x 17 Nm 100 to 180(Standard 140) | SCHMETZ DP x 17 Nm 100 to 180 (Standard 160) | SCHMETZ DP x 17 Nm 100 to 180 (Standard 160) | SCHMETZ DP x 17 Nm 100 to 180 (Standard 160) |
| Thread possible to be used | #50 to #8 | #40 to #5 | #40 to #5 | #30 to #5 |
| Thread possible to be trimmed | | | | #30 to #5 |
| Stitch length | Max. 6 mm (normal/reverse feed) | | | |
| Presser foot lift | Hand lifter: 9 mm, Knee lifter: 16 mm, Auto lifter: 16mm | | | |
| Alternate foot stroke | 2.5 mm to 6.5 mm (slot adjusting type) | | 1 mm to 6.5mm (dial type) | |
| Hook | Full-rotary vertical-axis normal hok | Full-rotary vertical axis 1.6-fold hook | | |
| Lubricating oil | Oil No.2 | | | |
| Noise | Workplace-related noise at sewing speed n=2400 min ⁻¹ : L _{PA} ≤ 84 Db(A) Noise measurement according to DIN 45635-48-B-1 | | | |

1. ATTACHING THE DRAIN CONTAINER

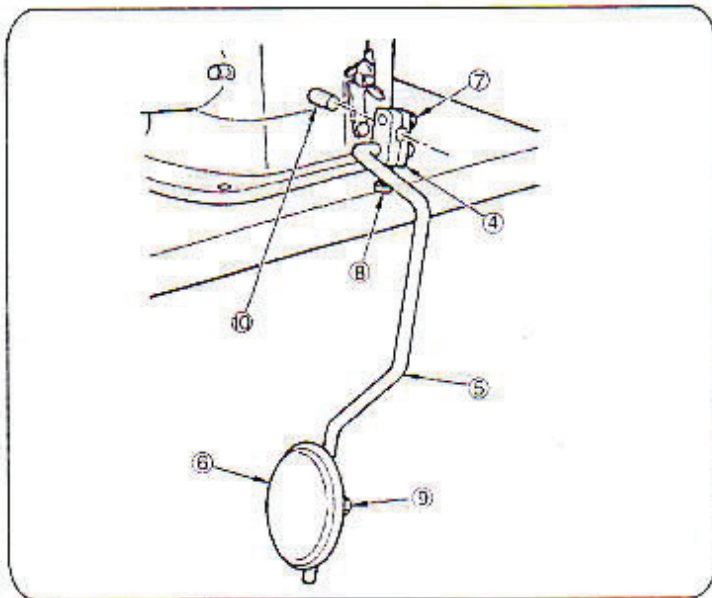


- 1) Attach oil extractor (1) onto the top surface of the machine table and fix it with setscrew (2) and washer (3).
- 2) After fixing oil extractor (1), screw drain container (4) in the oil extractor.

2. SETTING UP THE SEWING MACHINE



- 1) Setting up the sewing machine
Fix the sewing machine in the four places of the machine table with countersunk screws (1), washers (2) and nuts (3) supplied with the sewing machine.



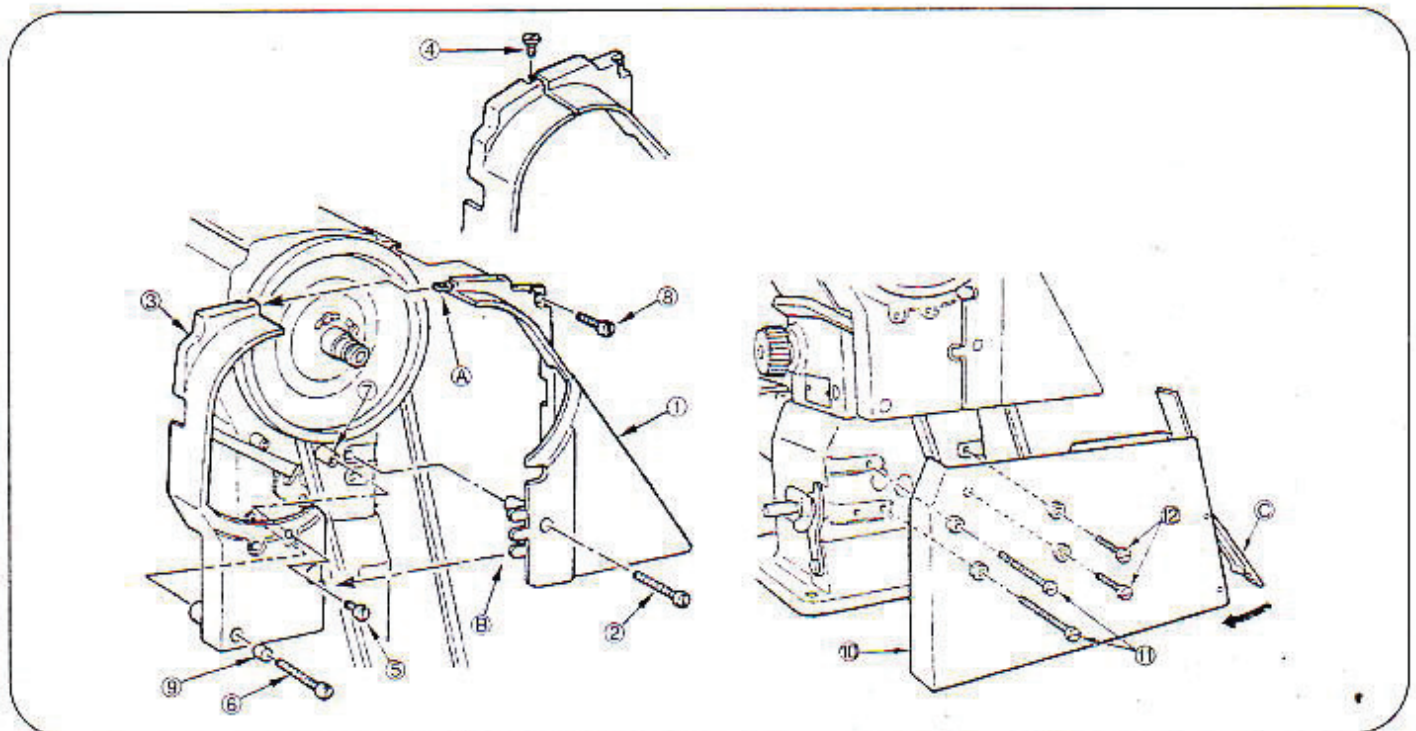
- 2) Attach knee lifter plate (5) and knee press plate cover (6) to knee lifter plate rod bracket (4).
- 3) Adjust the direction of the pad with setscrews (7), (8) and (9).
- 4) Attach knee lifter plate rod bracket (4) to knee lifter shaft (10).

3. INSTALLING THE BELT COVER



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



- 1) Attach belt cover stud (7) to the screw hole in the arm.
- 2) Fix belt cover(right) (1) on the arm with screws (2) and (8).
- 3) Fit belt cover(left) (3) to notch (A) and (B) of the belt cover(right).
- 4) Fix belt cover(left) (3) with setscrews (4), (5), and (6), and spacer (9).
- 5) Fix belt cover, lower, (asm) (10) on the machine bed with setscrews (11) and (12).



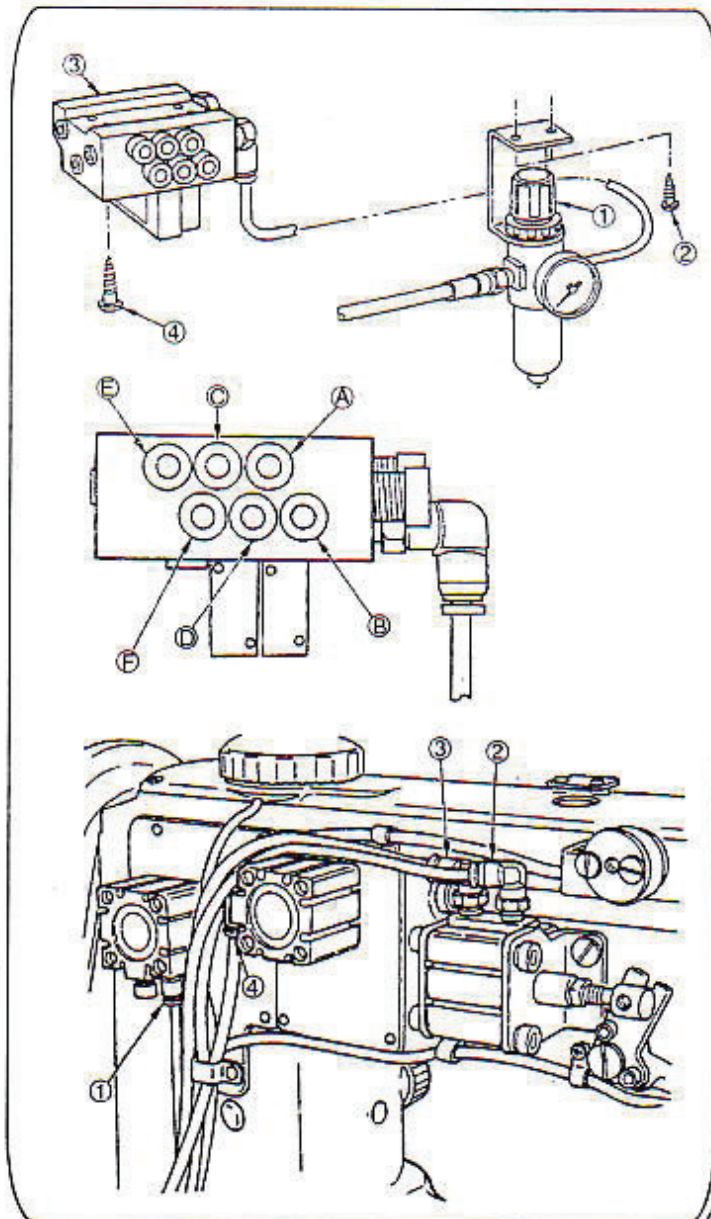
1. After attaching the belt cover, confirm whether or not the respective cords do not come in contact with the belt and the handwheel. Disconnection of the cords will result when they come in contact with one another.
2. When the machine head is raised from the state of being tilted, be sure to insert belt cover lid (C) into belt cover, lower(asm) (10).

4. PNEUMATIC COMPONENTS



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



- 2) Attach knee lifter plate (5) and knee press plate cover (6) to knee lifter plate rod bracket (4).
- 3) Adjust the direction of the pad with setscrews (7), (8) and (9).
- 4) Attach knee lifter plate rod bracket (4) to knee lifter shaft (10).

(1) Attaching the air control unit

- 1) Attach regulator(asm) (1) to the underside of the table with wood screws (2) supplied with the regulator.
- 2) Attach air control unit(asm) (3) to the four places on the underside of the table with wood screws (4) supplied with the unit.
- 3) Adjust the number of the air hose to the number of the air cylinder joint and insert the hose to the joint.



Do not run the sewing machine while the presser foot is held raised with the auto-lifter. Needle bar comes in contact with presser foot. As a result, they may be damaged.

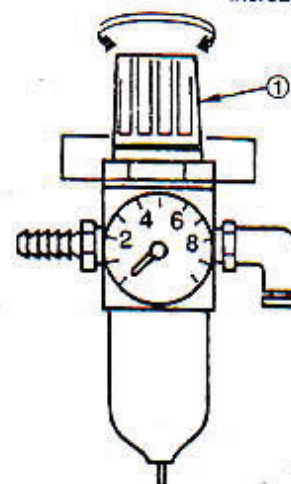
(2) Adjusting the air pressure

The operating air pressure is 0.45 to 0.5 MPa.

Adjust the air pressure using air pressure regulating knob (1) of the filter regulator.

Decrease

Increase

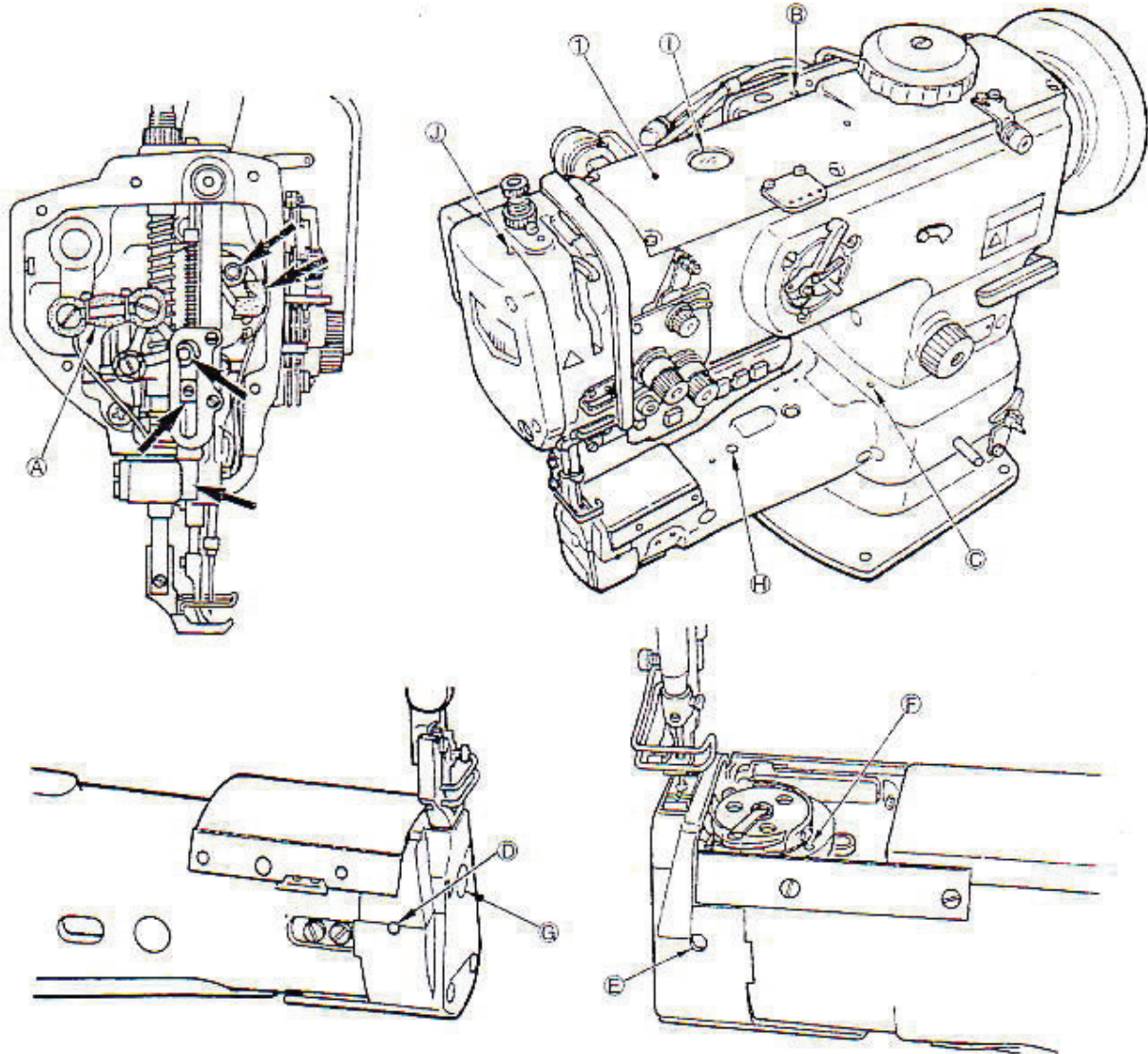


5. LUBRICATION



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



- 1) Prior to operation, apply an adequate amount of oil once a day to the points marked with the arrows (A) to (G).
Prior to operation, apply one drop of oil once a day to the point marked with the arrow (J).
* You can apply oil to the point marked with (A) after removing the rubber cap without removing the face plate.
Apply oil to (I) and (H) approximately once a week since they are oil tanks.
- 2) When you operate your machine for the first time after the set-up or after an extended period of disuse, apply an adequate amount of oil to the points marked with the arrows and to each felt and oil wick after removing top cover (I).



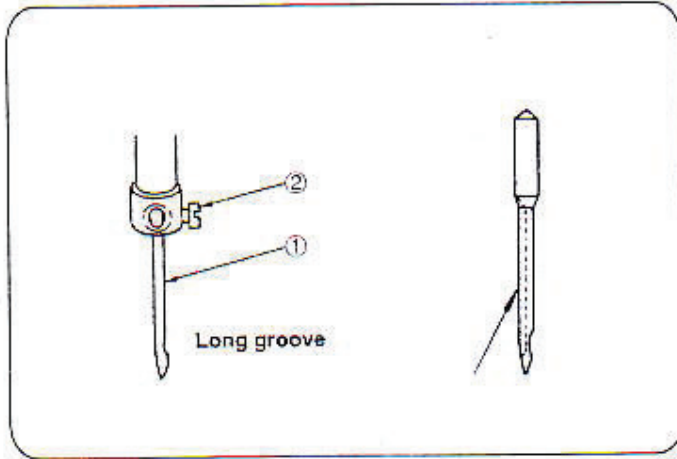
1. If oil is excessively applied to (D), (E), (F) and (G), oil may drop from the throat plate base cover. Periodically wipe out oil on the throat plate base cover.
2. If oil is excessively applied to the face plate section, oil may drop from the jaw section of the machine arm. So, be careful of the applying amount of oil.

6. ATTACHING THE NEEDLE



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.

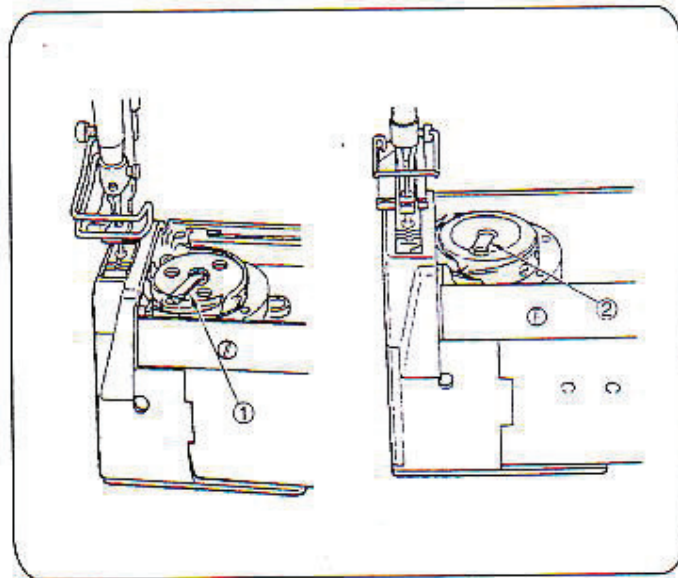


- 1) Turn the handwheel to bring the needle bar to the highest position of its stroke.
- 2) Loosen needle clamp screw 2, and hold needle 1 so that the long groove in the needle is facing exactly to the left.
- 3) Push needle 1 deep into the needle clamp hole until it will go no further.
- 4) Tighten needle clamp screw 2 firmly.



When replacing the needle, check the clearance provided between the needle and the blade point of hook. (Refer to " 18. NEEDLE-TO-HOOK RELATION" and " 19. ADJUSTING THE HOOK NEEDLE GUARD")

7. ATTACHING AND REMOVING THE BOBBIN



(1) Latch hook

- 1) Lift latch 1 of hook, and take out the bobbin.
- 2) Put the bobbin into the shaft in the hook correctly and release the latch.

(2) Cap hook

- 1) Raise lever 2 of the hook, and remove the bobbin case together with the bobbin in it.
- 2) Fit the bobbin case into the hook driving shaft, and tilt the lever.



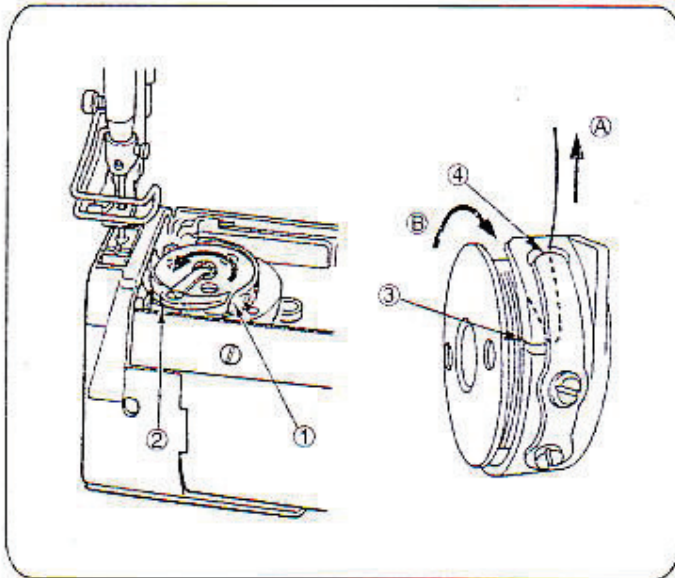
Do not make the machine run idle with the bobbin (bobbin thread). The bobbin thread is caught in the hook. As a result the hook may be damaged.

8. THREADING THE BOBBIN THREAD



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



(1) Latch hook

1) Pass the thread in threading slit ① in the inner hook, pass under protruding section ② and route it to the tension spring.

In case of the machine with thread trimmer, further, pass the thread in the thread hole of protruding section ② and draw it out upward.

2) Adjust the bobbin so that it rotates in the direction of arrow mark when the bobbin thread is pulled.

(2) Cap hook

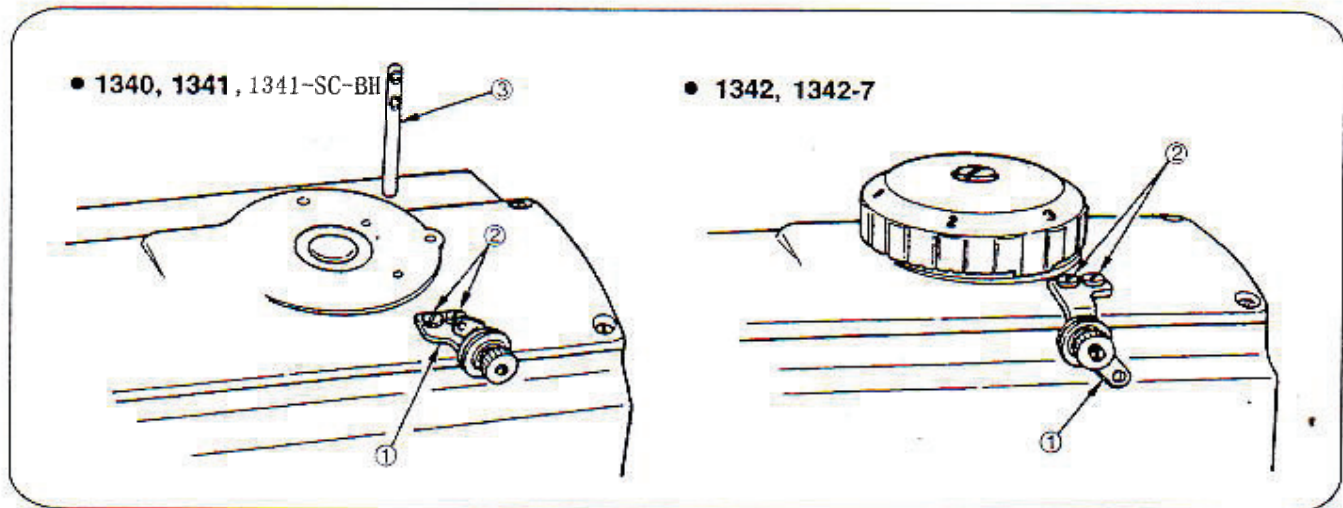
1) Hold a bobbin so that the end of the thread wound round the bobbin is directed to the right and put it into the bobbin case.

2) Pass the thread in threading slit ③ in the bobbin case, route it under the tension spring and draw it out from notch ④.



As long as the bobbin is correctly placed in the bobbin case, pulling the thread in direction ① makes the bobbin rotate in direction ②.

9. INSTALLING THE BOBBIN WINDER THREAD GUIDE



1) Attach bobbin winder thread guide ① to the top cover using screws ②.

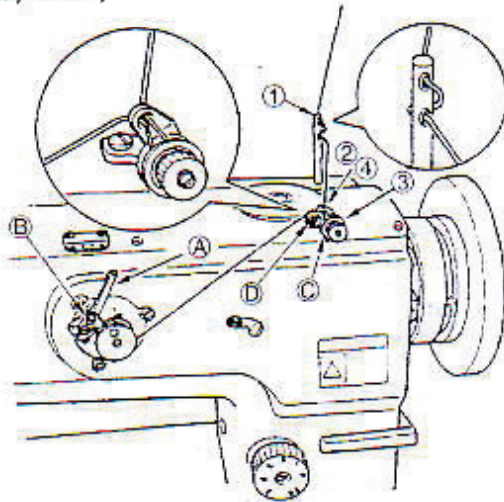
For the 1340, 1341, attach the thread guide so that it is facing to the upper left, and for the 1342, 1342-7, it is facing to the lower right.

2) Adjust the position of the thread guide referring to "10.WINDING A BOBBIN".

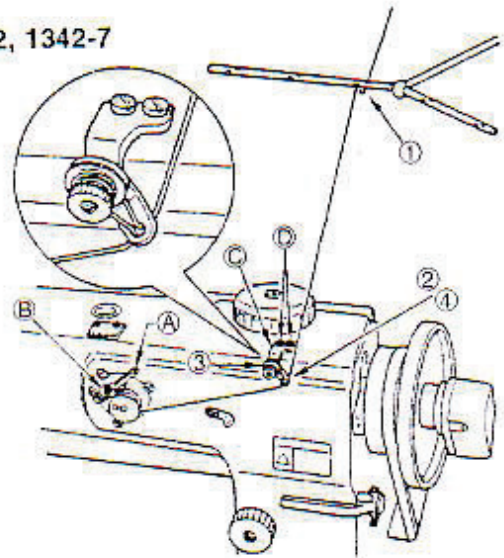
3) For the 1340, 1341, strike bobbin thread guide rod ③ into the machine arm.

10. WINDING A BOBBIN

• 1340, 1341, GC1341-SC-BH



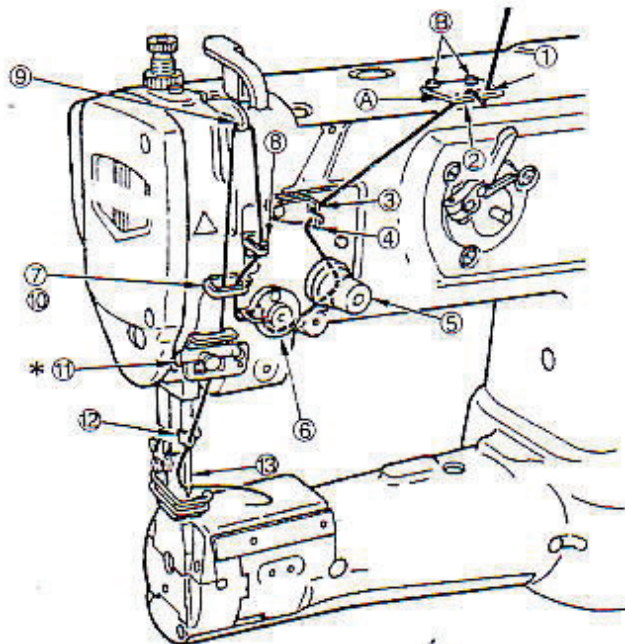
• 1342, 1342-7



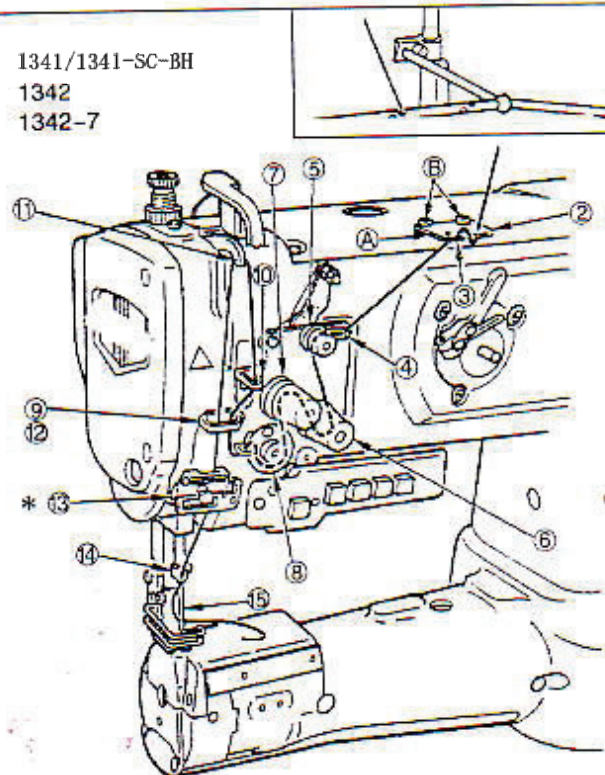
- 1) Pass the thread in the order of ①, through ④.
Then, wind it several turns round the bobbin.
- 2) Tilt bobbin winder lever (A).
- 3) Loosen setscrew (B) and adjust the position of the adjusting plate to wind a bobbin about 80% of its capacity.
- 4) If the bobbin is wound unevenly, correct it by moving bobbin winder thread guide (C) back or forth. Then, tighten setscrews (D).
- 5) When the bobbin is filled up, the bobbin winder lever automatically releases the bobbin and the bobbin winder stops running.

11. THREADING THE MACHINE HEAD

1340

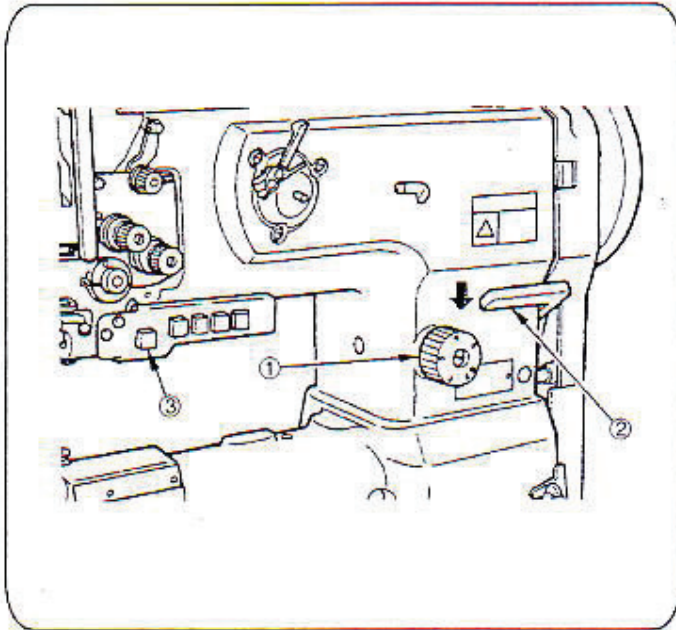


1341/1341-SC-BH
1342
1342-7



1. Attach arm thread guide (A) to the top cover with setscrew (B).
2. Thread the machine head following the order of ① through ⑬ (⑮) as shown the illustration given above. For 1341, thread the machine in the order of ② through ⑬ (⑮).
- * Pass thread through the right side of thread guide ⑪ (⑬).

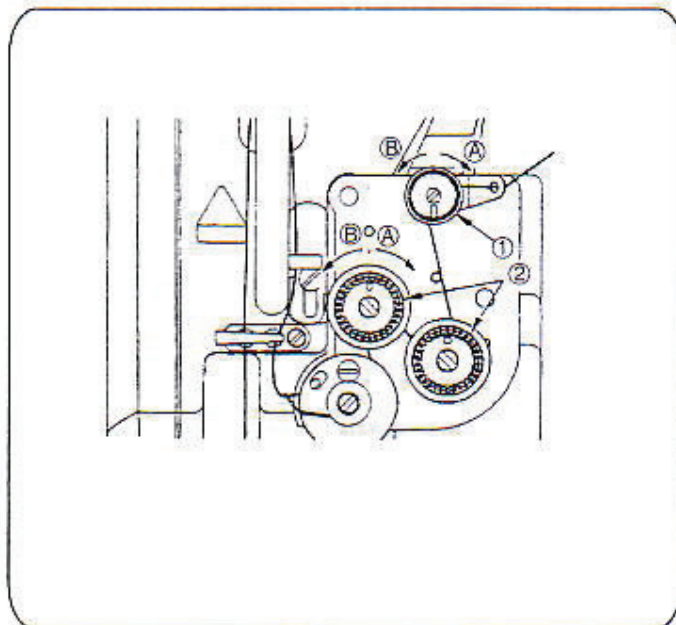
12. ADJUSTING THE STITCH LENGTH



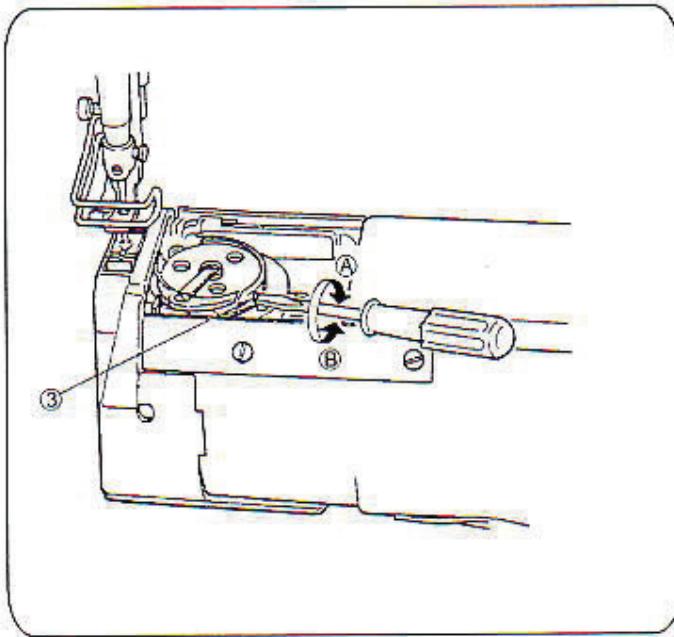
Turn stitch dial ① counterclockwise (clockwise) so that the number corresponding to the desired stitch length is brought to the top until the marking spot is reached.

- (1) Reverse feed stitching
 - 1) Press down reverse feed control lever ②.
 - 2) Reverse feed stitches are made as long as you keep pressing the lever down.
 - 3) Release the lever, and the machine will run in the normal feed direction.
- (2) Manual one-touch reverse feed stitching (1342-7)
 - 1) Press touch-back switch ③.
 - 2) Reverse feed stitches are made as long as you keep pressing the lever down.
 - 3) Release the switch, and the machine will run in the normal feed direction.

13. THREAD TENSION



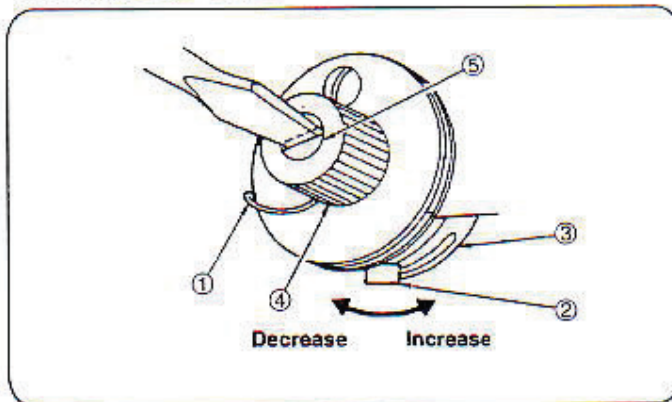
- (1) Adjusting the needle thread tension
 - 1) Turn thread tension nut No.1 ① clockwise (A) to shorten the length of thread remaining on the top of needle after thread trimming. Turn the nut counterclockwise (B) to lengthen it. (1342-7)
 - 2) Turn thread tension nut No.2 ② clockwise (A) to increase the needle thread tension, or counterclockwise (B) to decrease it.
- (1) Einstellen der Nadelfadenspannung
 - 1) Die Fadenspannermutter Nr. 1 ① im Uhrzeigersinn (A) drehen, um die Länge des nach dem Fadenabschneiden in der Nadel verbleibenden Fadens zu verkürzen. Die Mutter entgegen dem Uhrzeigersinn (B) drehen, um die Länge zu verlängern. (1342-7)
 - 2) Die Fadenspannermutter Nr. 2 ② im Uhrzeigersinn (A) drehen, um die Nadelfadenspannung zu erhöhen, bzw. entgegen dem Uhrzeigersinn (B), um sie zu verringern.



2) Adjusting the bobbin thread tension

Turn tension adjustment screw ② clockwise ① to increase the bobbin thread tension, or counterclockwise ② to decrease it.

14. THREAD TAKE-UP SPRING



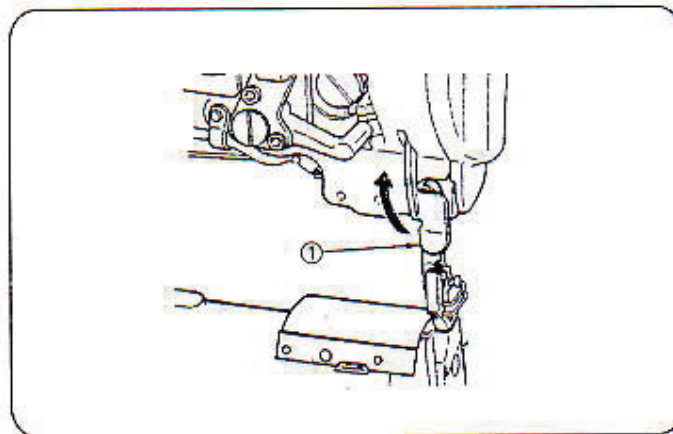
(1) When you want to change the stroke of the spring:

- 1) Loosen screw ② in the stopper, and move stopper ③ to the right or left to change the stroke of thread take-up spring ①.
- 2) Move the stopper to the right to increase the stroke of the thread take-up spring, or the left to decrease it.

(2) When you want to change the tension of the spring:

- 1) Loosen nut ④, and turn spring stud ⑤ counterclockwise to increase the tension of the spring, or clockwise to decrease it.

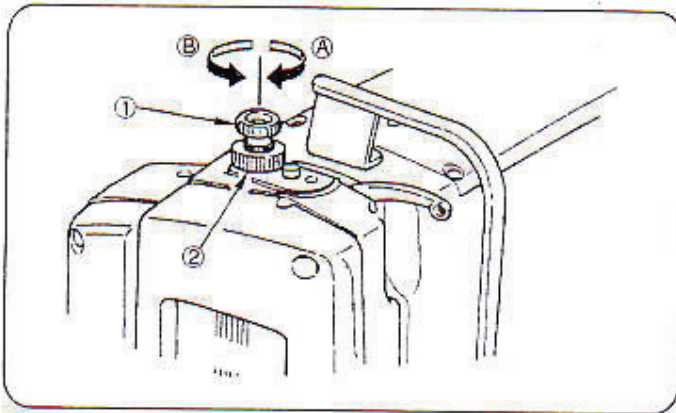
15. HAND LIFTER



1) When you want to keep the presser foot in the lifted position, lift hand lifter ① in the direction of the arrow. This makes the presser foot rise 9 mm and stay at that position.

2) To make the presser foot come down to its home position, lower the hand lifter.

16. ADJUSTING THE PRESSURE OF THE PRESSER FOOT



- 1) Turn presser spring regulating dial ① clockwise ④ to increase the pressure of the Presser foot, or counterclockwise ⑤ to decrease it.
After the adjustment, tighten nut ②.



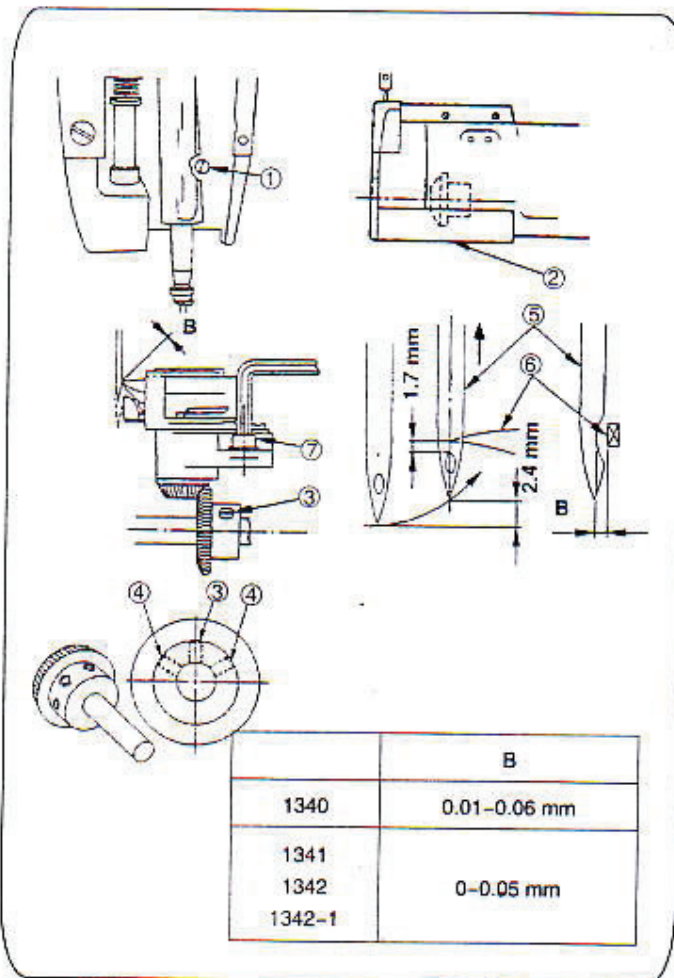
Be sure to operate the sewing machine with the pressure of the presser foot minimized as long as the presser foot securely holds the material.

17. NEEDLE-TO-HOOK RELATION



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



Adjust the timing between the needle and the hook following the procedure described below.

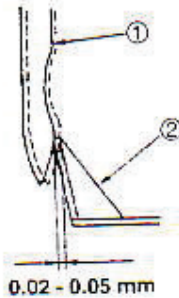
- 1) Set the feed regulating dial to "0"
- 2) Turn the handwheel to bring the needle bar to the lowest position of its stroke and loosen needle bar connection screw ①.
- * Determine the height of the needle bar.
- 3) The standard height of the needle bar is obtained when a distance of 1.7 mm is provided between the top end of the needle eyelet and blade point ⑥ of the hook when the needle bar ascends 2.4 mm from the lowest position of its stroke.
- * Determine the position of the hook.
- 4) Remove throat plate base frame cover ② and loosen setscrews ③ and ④ in the lower shaft bevel gear.
- 5) In the state described in 3), loosen setscrew ⑦ in the hook driving shaft saddle and move the hook driving shaft saddle to the right or left until a clearance of dimension B is provided between the blade point of the hook and needle ⑤. After the adjustment, securely tighten the screw.
- 6) Then, align the blade point of the hook with the center of the needle, and tighten setscrew ③ in the lower shaft bevel gear.
- 7) Turn the handwheel clockwise and alternately tighten setscrews ④ little by little.
(Never tighten either screw only.)

18. ADJUSTING THE HOOK NEEDLE GUARD



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



When a hook has been replaced, be sure to check the position of the hook needle guard.

As the standard position of the hook needle guard, hook needle guard (2) must push the side face of needle (1) to lean the needle by 0.02 to 0.05 mm away from its straight position. If not, adjust the hook needle guard by bending it.

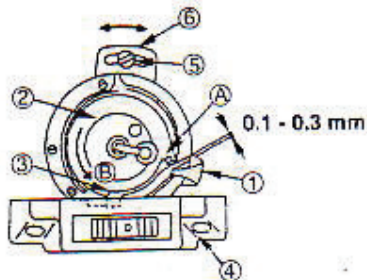
- 1) To bend the hook needle guard inward, apply a screwdriver to the outside of the hook needle guard.
- 2) To bend the hook needle guard outward, apply a screwdriver to the inside of the hook needle guard.

19. ADJUSTING THE BOBBIN CASE OPENING LEVER



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



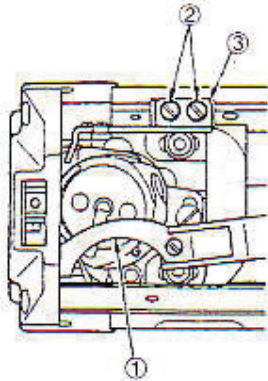
- 1) Turn the handwheel in its normal rotational direction to bring bobbin case opening Lever (1) to its back end position.
- 2) Turn bobbin case (2) in the direction of arrow (B) until stopper (3) comes in contact with the groove in throat plate (4).
- 3) Loosen screw (5) in the bobbin case opening lever adjustment plate (6) and move bobbin case opening lever adjustment plate (6) in the direction of the arrow so that a clearance of 0.1 to 0.3 mm is provided between the bobbin case opening lever and protruding section (A) of the bobbin case.

20. POSITION OF THE COUNTER KNIFE AND ADJUSTMENT OF THE KNIFE PRESSURE(1342-7)



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



○ Initial position



Both top ends align with each other.

○ Position where the knife pressure starts to be developed.



- 1) Move the moving knife (1) by hand to its forward travel end.
- 2) Loosen setscrews (2) in the counter knife and move the counter knife to the right or left to adjust the position.
- 3) To adjust the knife pressure, move the counter knife and adjust so that the knife pressure is developed from the position where the top end of the moving knife is spaced 5 to 6 mm from the top end of the counter knife.

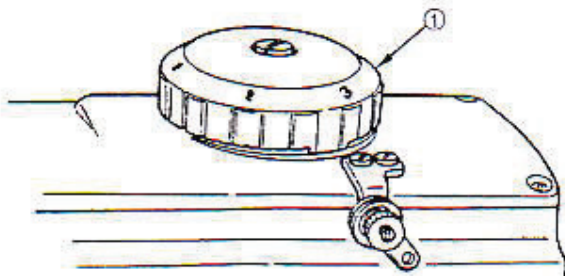


When the moving knife moves to its backward travel end, the top end of the moving knife aligns with the top end of the counter knife. At this time, the moving knife produces a play of 0.5 to 1 mm in the moving direction.



Make the knife pressure as low as possible to such an extent that both needle and bobbin threads can be trimmed.

21. ADJUSTING THE LIFTING AMOUNT OF THE PRESSER FOOT AND THE WALKING FOOT



■ 1342, 1342-7

The lifting amount of the presser foot and the walking foot is adjusted using dial (1). Turn the dial clockwise to increase the lifting amount or counterclockwise to decrease it.

22. SEWING SPEED TABLE

The maximum sewing speed has been specified in accordance with sewing conditions as shown in the table below.

Set the maximum sewing speed appropriately in accordance with the sewing conditions given taking care not to exceed the corresponding specified value.

| Amount of alternate vertical movement of the walking foot and presser foot | Stitch length: 6 mm or less |
|--|-----------------------------|
| 2.5 mm to less than 3mm | 2000 rpm |
| 3 mm to less than 4 mm | 1600 rpm |
| 4 mm to less than 6.5 mm | 1400 rpm |

| Amount of alternate vertical movement of the walking foot and presser foot | Stitch length: 6 mm or less |
|--|-----------------------------|
| Less than 2.5 mm | 2500 rpm |
| 2.5 mm to less than 4 mm | 2200 rpm |
| 4 mm to less than 4.75 mm | 1800 rpm |
| 4.75 mm to less than 6.5 mm | 1600 rpm |

23. MOTOR PULLEY AND V BELT

Use an M type V belt.

The following table shows the relationship among the motor pulley, belt length and the rotational speed of the sewing machine.

| Model | Rotational speed of sewing machine | Effective diameter of handwheel | Number of poles | Frequency | Rotational speed of motor | Effective diameter of motor pulley | Size of V belt |
|--------------|------------------------------------|---------------------------------|-----------------|-----------|---------------------------|------------------------------------|----------------|
| 1340 1341 | 2500 rpm | φ 93.3mm | 2 | 50 Hz | 2840 rpm | φ 65 | M 57 |
| | | | | 60 Hz | 3400 rpm | φ 55 | M 53 |
| | | | 4 | 50 Hz | 1430 rpm | φ 130 | M 57 |
| | | | | 60 Hz | 1715 rpm | φ 110 | M 56 |

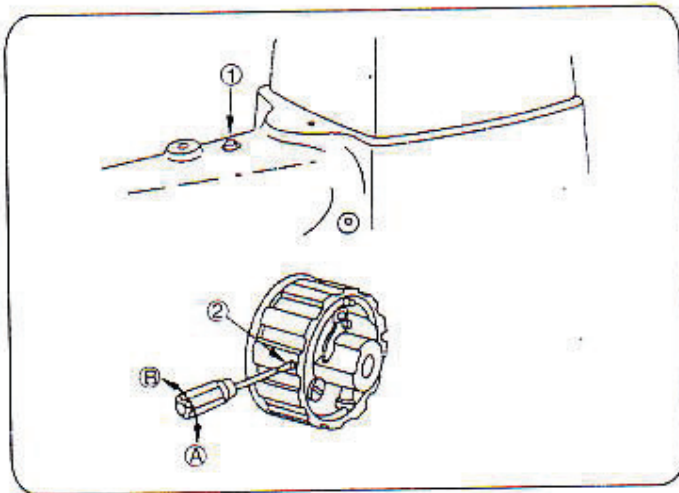
For the motor, use a 2P or 4P clutch motor of 3-phase 400 W(1/2 HP).

24. SAFETY MECHANISM



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



If the thread is caught in the hook while the sewing machine is in operation, the safety mechanism actuates to idle the lower sprocket only.

★ How to reset

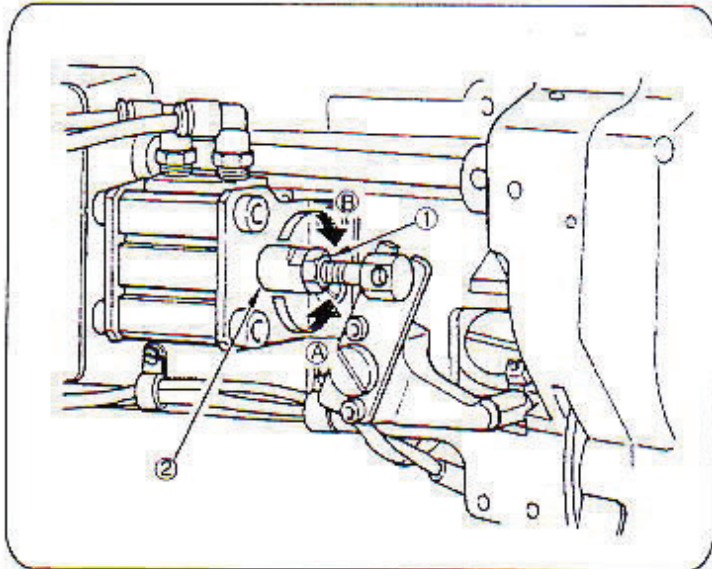
- 1) Remove the thread caught in the hook.
- 2) Pressing push button (1), strongly turn the pulley in the direction opposite to its normal rotational direction.

25. ADJUSTING THE AUTOMATIC PRESSER FOOT LIFTER



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.

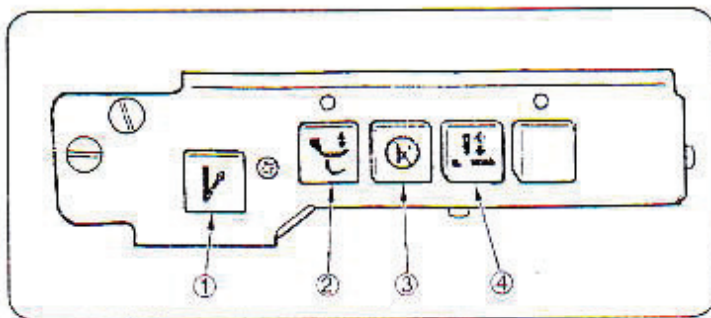


1) Loosen adjustment nut ①, turn cylinder rod ② and adjust so that the lifting amount of the presser foot is 16 mm when the cylinder is fully compressed.

Turn the rod in the direction of ④ to decrease the lifting amount, or turn it in the direction of ⑤ to increase the lifting amount.

2) After the adjustment, tighten adjustment nut ①.

26. OPERATION SWITCHES



① One-touch type reverse feed switch

- While the machine is in operation, the machine performs reverse feed stitching as long as this switch is held pressed, and resumes normal feed stitching when the switch is released.
- If this switch is pressed while the machine is at rest, the feed will be set to the reverse feed state. (The sewing machine does not run.)
If it is released, the feed will return to the normal feed state.

② Alternating vertical movement amount change-over switch

If this switch is pressed, the amount of the alternating vertical movement of the walking foot and the presser foot will be maximized. (The lamp located inside the button will light up.)

Use this switch when a multilayered portion of the sewing product is not smoothly fed.

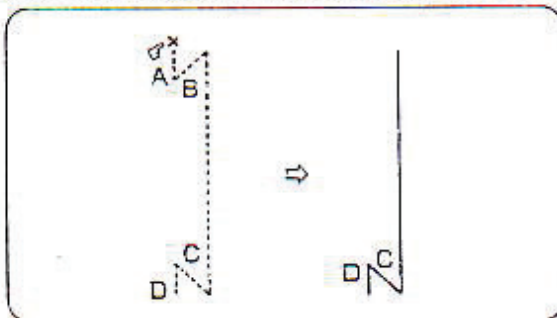
When performing the alternating vertical movement amount change-over with the knee switch, fix the knee switch supplied with the machine on the table with wood screws and use it.

For the wiring, refer to "INSTRUCTION MANUAL(SUPPLEMENT) for sewing machines for leather and heavy-weight materials".

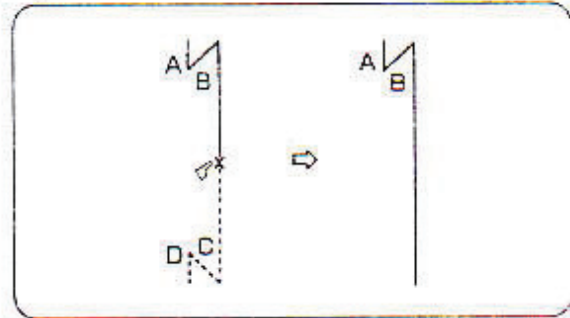
③ Automatic reverse feed stitching cancellation/addition switch

- If this switch is pressed when the following automatic reverse feed stitching has been specified, the reverse stitching will not take place (for once immediately after it is pressed). (Example 1)
- If this switch is pressed when no automatic reverse feed stitching has been specified, the reverse feed stitching will take place (once immediately after it is pressed). (Example 2)

(Example 1) In the case where both automatic reverse feed stitching for start and that for end have been specified:

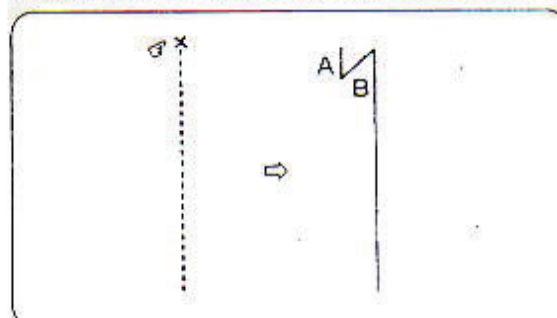


If the switch is pressed before starting sewing, the automatic reverse feed stitching for start (between A and B) will not be carried out.



If the switch is pressed during sewing, the automatic reverse feed stitching for end (between C and D) will not be carried out.

(Example 2) In the case where neither automatic reverse feed stitching for start nor that for end have been specified:



If the switch is pressed before starting sewing, the automatic reverse feed stitching for start (between A and B) will be carried out.



If the switch is pressed during sewing, the automatic reverse feed stitching for end (between C and D) will be carried out.

④ Needle lifting switch

If this switch is pressed, the machine will travel from the needle-down stop position to the needle-up stop position.



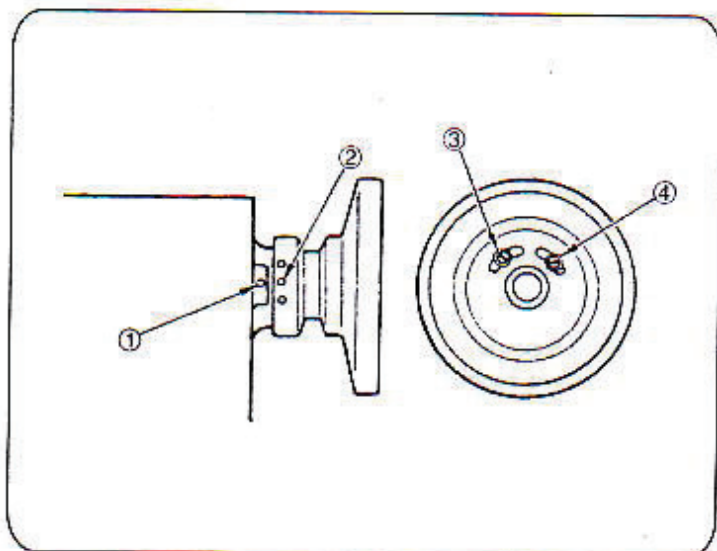
When raising the machine head which has been tilted, do not hold the operation switch to raise it.

27. ADJUSTING THE STOP POSITION.



WARNING:

To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



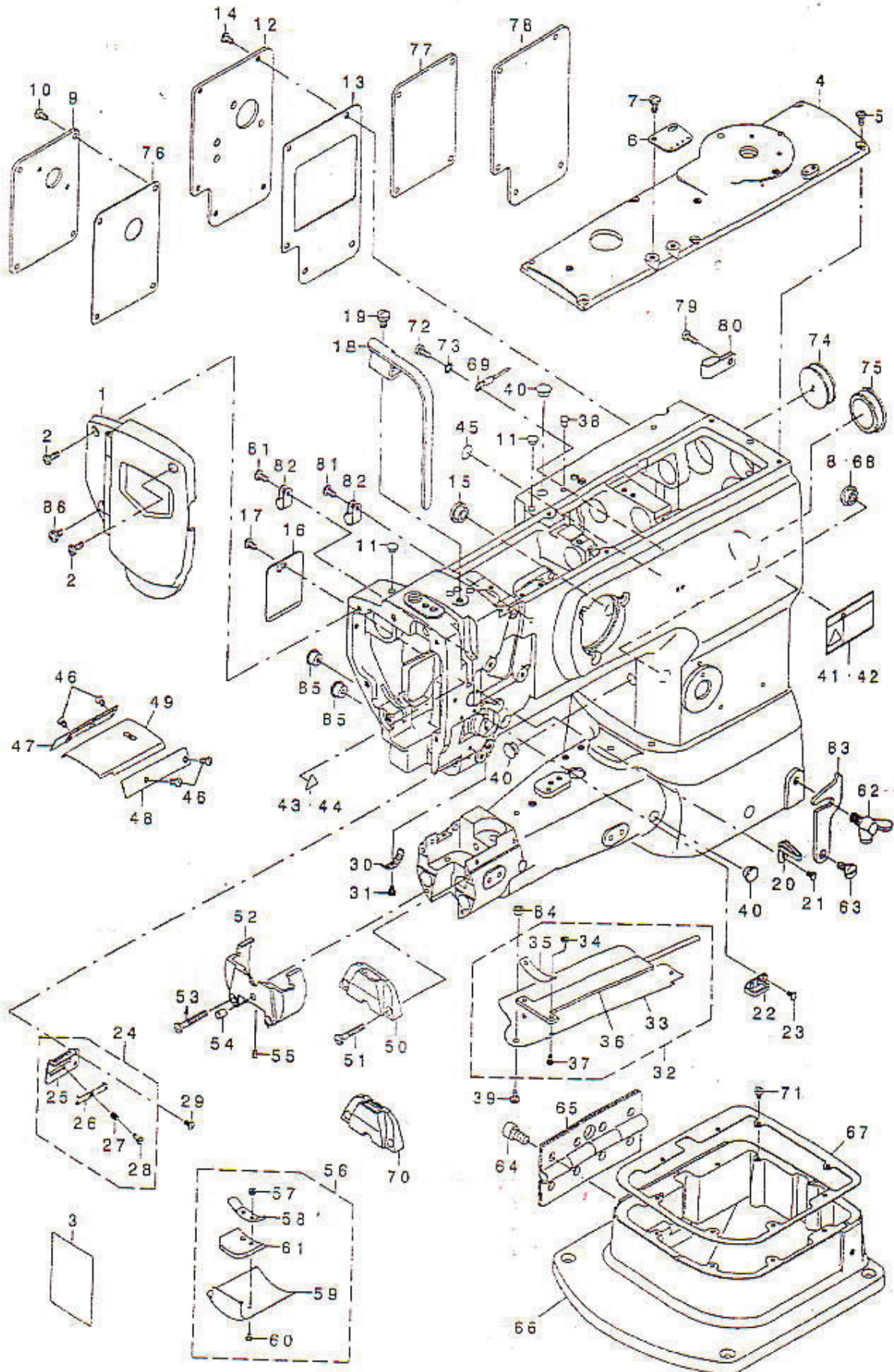
| Marker dot on handwheel | |
|-------------------------|--|
| White | Up stop position |
| Yellow | DOWN stop position |
| Red | For adjusting thread trimming cam |
| No color | Reverse revolution to lift needle position |

- 1) The respective stop positions and adjusting positions are those when marker dot ① engraved on the machine arm aligns with marker dot ② engraved on the handwheel. For the marker dots engraved on the handwheel, refer to the table of marker dot on the handwheel.
- 2) In case of adjusting the UP stop position, adjust it with screw ③, and in case of adjusting the DOWN stop position, adjust it with screw ④.

28. TROUBLES IN SEWING AND CORRECTIVE MEASURES

| Troubles | Causes | Corrective measures |
|--|--|---|
| <p>1. Thread breakage (Thread frays or is worn out.)</p> <p>(Needle thread trails 2 to 3 cm from the wrong side of the fabric)</p> | <p>① Thread path, needle point, hook blade point or bobbin case resting groove on the throat plate has sharp edges or burrs.</p> <p>② Needle thread tension is too high.</p> <p>③ Bobbin case opening lever provides an excessive clearance at the bobbin case.</p> <p>4. Needle comes in contact with the blade point of hook.</p> <p>5. Amount of oil in the hook is too small.</p> <p>6. Needle thread tension is too low.</p> <p>7. Thread take-up spring works excessively or the stroke of the spring is too small.</p> <p>8. Timing between the needle and the hook is excessively advanced or retarded</p> | <p>○ Remove the sharp edges or burrs on the blade point of hook using a fine emery paper. Buff up the bobbin case resting groove on the throat plate.</p> <p>○ Decrease the needle thread tension.</p> <p>○ Decrease the clearance provided between the bobbin case opening lever and the bobbin. Refer to "19. ADJUSTING THE BOBBIN CASE OPENING LEVER" .</p> <p>○ Refer to "17. NEEDLE-TO-HOOK RELATION" .</p> <p>○ Adjust the amount of oil in the hook properly. Refer to "5. LUBRICATION" .</p> <p>○ Increase the needle thread tension</p> <p>○ Decrease the tension of the spring and increase the stroke of the spring.</p> <p>○ Refer to "17. NEEDLE-TO-HOOK RELATION" .</p> |
| 2. Stitch skipping | <p>① Timing between the needle and the hook is excessively advanced or retarded.</p> <p>② Pressure of the presser foot is too low.</p> <p>③ The clearance provided between the top end of the needle eyelet and the blade point of hook is not correct.</p> <p>④ Hook needle guard is not functional.</p> <p>5. Improper type of needle is used.</p> | <p>○ Refer to "17. NEEDLE-TO-HOOK RELATION" .</p> <p>○ Tighten the presser spring regulator.</p> <p>○ Refer to "17. NEEDLE-TO-HOOK RELATION" .</p> <p>○ Refer to "18. ADJUSTING THE HOOK NEEDLE GUARD" .</p> <p>○ Replace the needle with one which is thicker than the current needle, by one count.</p> |
| 3. Loose stitches | <p>① Bobbin thread does not pass through the tension spring of the inner hook.</p> <p>② Thread path has been poorly finished.</p> <p>③ Bobbin fails to move smoothly.</p> <p>④ Bobbin case opening lever provides too much clearance at the bobbin.</p> <p>5. Bobbin thread tension is too low.</p> <p>6. Bobbin has been wound too tightly.</p> | <p>○ Thread the bobbin thread correctly.</p> <p>○ Remove rough parts with a fine emery paper or buff it up.</p> <p>○ Replace the bobbin or hook with a new one.</p> <p>○ Refer to "19. ADJUSTING THE BOBBIN CASE OPENING LEVER" .</p> <p>○ Increase the bobbin thread tension.</p> <p>○ Decrease the tension applied to the bobbin winder.</p> |
| 4. Thread slips off the needle eyelet simultaneously with thread trimming. | ① Thread tension given by the tension controller No.1 is too high. | ○ Decrease the thread tension given by the tension controller No. 1. |
| 5. Thread slips off the needle eyelet at the start of sewing. | <p>① Thread tension given by the tension controller No.1 is too high.</p> <p>② Clamp spring has improper shape.</p> <p>③ Bobbin thread tension is too low.</p> | <p>○ Decrease the thread tension given by the tension controller No. 1.</p> <p>○ Replace the clamp spring with a new one or correct the current one.</p> <p>○ Increase the bobbin thread tension.</p> |
| 6. Thread is not cut sharply. | <p>① The blades of moving knife and counter knife have been improperly adjusted.</p> <p>② The knives have blunt blades.</p> <p>③ Bobbin thread tension is too low.</p> | <p>○ Refer to "20. POSITION OF THE COUNTER KNIFE AND ADJUSTMENT OF THE KNIFE PRESSURE" .</p> <p>○ Replace the moving knife and counter knife with new ones, or correct the current ones.</p> <p>○ Increase the bobbin thread tension.</p> |
| 7. Thread remains uncut after thread trimming. (Bobbin thread trimming failure when stitch length is comparatively short.) | <p>① Initial position of the moving knife has been improperly adjusted.</p> <p>② Bobbin thread tension is too low.</p> | <p>○ Refer to "20. POSITION OF THE COUNTER KNIFE AND ADJUSTMENT OF THE KNIFE PRESSURE" .</p> <p>○ Increase the bobbin thread tension.</p> |
| 8. Thread breaks at the start of sewing after thread trimming. | ① The needle thread is caught in the hook. | ○ Shorten the length of thread remaining on the needle after thread trimming. |

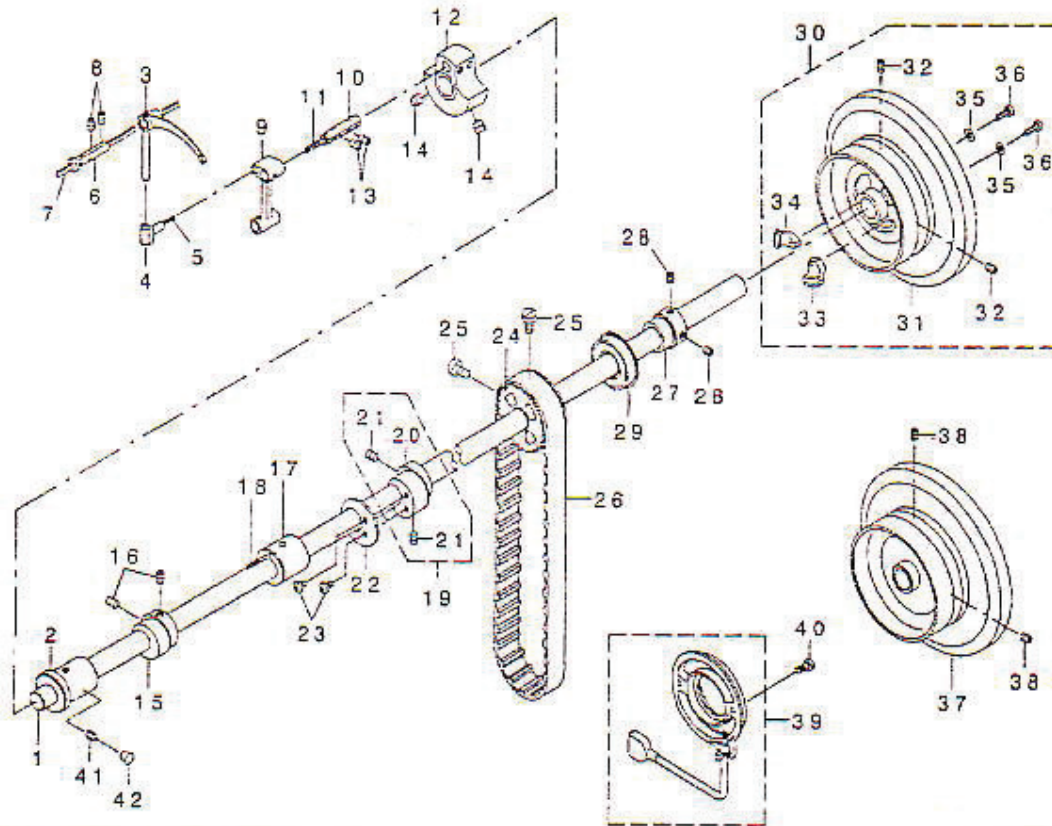
1.FRAME AND MISCELLANEOUS COVER COMPONENTS



| PLF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|-------------|--------------------------------|-------|---------------------------|
| 1 | | 48010100000 | FACE PLATE ASM. | 1 | |
| 2 | | 23-0102 | SCREW | 2 | SM11/84 (4.37) X40 L=12 |
| 3 | | 48010300000 | LUBRICATION SUPPLEMENT | 1 | |
| 4 | | 23-0104 | TOP COVER B | 1 | |
| 5 | | 23-0105 | SCREW | 8 | SM11/84 (4.37) X40 L=8 |
| 6 | | 23-0108 | ARM THREAD GUIDE | 1 | |
| 7 | | 23-0107 | SCREW | 2 | SM3/18 (4.76) X32 L=9.5 |
| 8 | 03 | 48010800000 | COAD BUSH | 1 | |
| 9 | 03 | 48010900000 | WINDOW PLATE F | 1 | |
| 10 | | 23-0105 | SCREW | 4 | SM11/84 (4.37) X40 L=8 |
| 11 | | 23-014R | PLUG | 2 | D=7.5 L=3.5 |
| 12 | 03 | 48011200000 | WINDOW PLATE D | 1 | |
| 13 | | 48011300000 | WINDOW PLATE PACKING B | 1 | |
| 14 | | 23-0105 | SCREW | 5 | SM11/84 (4.37) X40 L=8 |
| 15 | | 23-0115 | RUBBER PLUG | 2 | |
| 16 | | 23-0116 | SIDE COVER | 1 | |
| 17 | | 23-0105 | SCREW | 1 | SM11/84 (4.37) X40 L=8 |
| 18 | | 23-0118 | BALANCE COVER | 1 | |
| 19 | | 23-0119 | SCREW | 1 | SM15/84 (5.95) X28 L=9 |
| 20 | | 23-0120 | THREAD GUIDE | 1 | |
| 21 | | 23-0121 | SCREW | 1 | SM9/84 (3.57) X40 L=8 |
| 22 | | 23-0122 | FRAME THREAD GUIDE, UPPER | 1 | |
| 23 | | 23-0123 | SCREW | 2 | SM9/84 (3.57) X40 L=7.2 |
| 24 | | 23-0124 | THREAD GUIDE ASM | 1 | |
| 25 | | 23-0125 | THREAD GUIDE PLATE | (1) | |
| 26 | | 23-0126 | NEEDLE THREAD PRESSER PLATE | (1) | |
| 27 | | 23-0127 | THREAD PRESSER PLATE SPRING | (1) | |
| 28 | | 23-0128 | RING SCREW | (1) | D=3.80 H=5.5 |
| 29 | | 23-0123 | SCREW | 1 | SM9/84 (3.57) X40 L=7.2 |
| 30 | | 23-0132 | TAKE-UP SPRING ADJUSTING PLATE | 1 | |
| 31 | | 23-0133 | SCREW | 1 | SM9/84 (3.57) X40 L=4.5 |
| 32 | | 48013200000 | CYLINDER COVER ASM. | 1 | |
| 33 | | 48013300000 | CYLINDER COVER | (1) | |
| 34 | | 36-0134 | NUT | (2) | M3 |
| 35 | | 36-0135 | FELT PRESSER PLATE | (1) | |
| 36 | | 36-0136 | CYLINDER COVER FELT ASM. | (1) | |
| 37 | | 36-0137 | SCREW | (2) | M3X6 |
| 38 | | 23-0159 | RUBBER PLUG | 1 | |
| 39 | | 36-0139 | SCREW | 1 | SM11/84 (4.37) X40 L=7 |
| 40 | | 36-0140 | RUBBER PLUG | 3 | |
| 41 | 01 | 48014100000 | SAFETY LABEL, 1(SMALL). | 1 | |
| 42 | 02 | 48014200000 | SAFETY LABEL, 3(SMALL). | 1 | |
| 43 | 01 | 48014300000 | LABEL(18) | 1 | |
| 44 | 02 | 48014400000 | ATTENTION SEAL | 1 | |
| 45 | | 48014500000 | GROUND MARK | 1 | |
| 46 | | 48014600000 | SCREW | 4 | SM9/84 (3.57) X40 L=5 |
| 47 | | 48014700000 | BED SLIDE SIDE PLATE, LEFT | 1 | |
| 48 | | 48014800000 | BED SLIDE SIDE PLATE, RIGHT | 1 | |
| 49 | | 48014900000 | BED PLATE | 1 | |
| 50 | | 48015000000 | THROAT PLATE | 1 | |
| 51 | | 36-0151 | SCREW | 2 | SM11/84 (4.37) X40 L=28 |
| 52 | | 48015200000 | THROAT PLATE BASE | 1 | |
| 53 | | 36-0153 | SCREW | 2 | SM11/84 (4.37) X40 L=30 |
| 54 | | 36-0154 | FEED BASE SUPPORT | 1 | |
| 55 | | 36-0155 | SCREW | 1 | M4X0.7 L=5 |
| 56 | | 48015600000 | THROAT PLATE BASE COVER ASM | 1 | |
| 57 | | 36-0134 | NUT M3 | (2) | M3 |
| 58 | | 48015800000 | THROAT PLATE BASE COVER SPRING | (1) | |
| 59 | | 48015900000 | THROAT PLATE BASE COVER | (1) | |
| 60 | | 36-0160 | SCREW | (2) | M3X0.5 L=4 |
| 61 | | 36-0161 | THROAT PLATE BASE COVER FELT | (1) | |
| 62 | | 36-0162 | WING BOLT | 1 | |
| 63 | | 36-0163 | HINGE SCREW | 1 | D=8 H=3.5 |
| 64 | | 36-0164 | SCREW | 8 | M8 L=20 |
| 65 | | 36-0165 | HINGE | 1 | |
| 66 | | 48016600000 | BED HOLDING BASE | 1 | |
| 67 | | 48016700000 | BED HOLDING BASE PACKING | 1 | |
| 68 | | 48016800000 | RUBBER PLUG | 1 | |
| 69 | D4 | 48016900000 | GROUND WIRE ASM. | 1 | |
| 70 | 05 | 48017000000 | THROAT PLATE | 1 | |
| 71 | | 36-0138 | SCREW | 8 | SM9/84 (3.57) X40 L=5.0 |
| 72 | | 23-0170 | SCREW | 1 | SM11/84 (4.37) X40 L=11 |
| 73 | | 48017300000 | TOOTHED WASHER | 1 | D=5.3 |
| 74 | | 23-0158 | RUBBER PLUG | 1 | |
| 75 | | 23-0159 | CAP | 1 | |
| 76 | | 48017600000 | WINDOW PLATE E PACKING | 1 | |
| 77 | 04 | 48017700000 | WINDOW PLATE E | 1 | |
| 78 | 04 | 48017800000 | WINDOW PLATE B | 1 | |
| 79 | | 23-0170 | SCREW | 1 | SM11/84 (4.37) X40 L=11 |
| 80 | | 48018000000 | CORD HOLDER,LARGE | 1 | |
| 81 | 03 | 23-0105 | SCREW | 2 | SM11/84 (4.37) X40 L=8 |
| 82 | 03 | 48018200000 | CABLE CLIP | 3 | |
| 83 | | 36-0173 | HOOK | 1 | |
| 84 | | 36-0174 | WASHER | 1 | |
| 85 | | 48018500000 | PLUG | 2 | |
| 86 | | 23-1535 | SCREW | 1 | SM15/84 (5.95) X28 L=9 |

NOTE 01.....FOR USE IN JAPAN
02.....EXCEPT USE IN JAPAN
03.....FOR LS-1342-7
04.....FOR LS-1342
05.....OPTIONAL PARTS

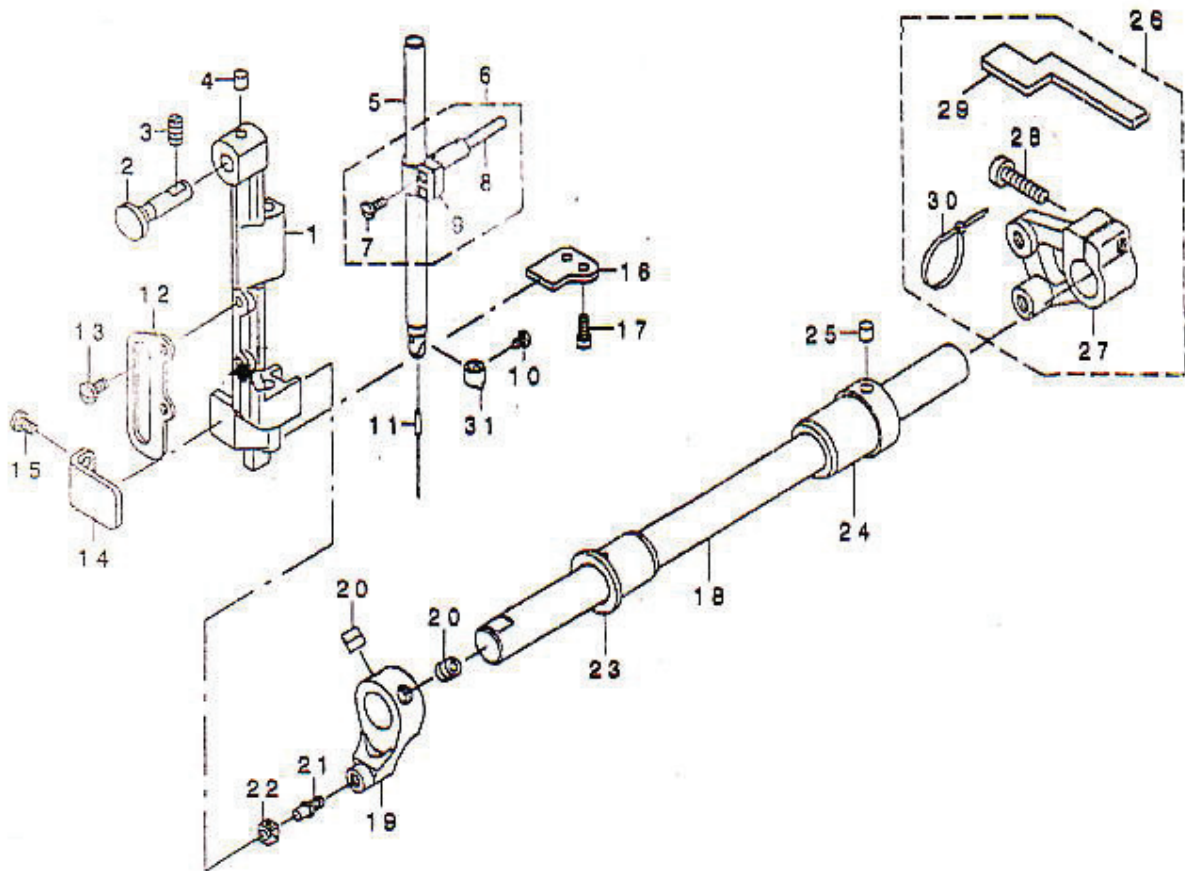
2. UPPER SHAFRT DRIVING AND BALANCE COMPONENTS



| REF NO | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|--------|------|-------------|----------------------------|------|---------------------------|
| 1 | | 23-0201 | UPPER SHAFT | 1 | |
| 2 | | 23-0202 | UPPER SHAFT FRONT METAL | 1 | |
| 3 | | 48020300000 | THREAD TAKE-UP LEVER | 1 | |
| 4 | | 48020400000 | TAKE-UP LEVER SHRUST PIN | 1 | |
| 5 | | 23-0209 | OIL WICK | 0.03 | |
| 6 | | 23-0204 | TAKE-UP LEVER PIN | 1 | |
| 7 | | 23-0208 | OIL WICK | 0.2 | |
| 8 | | 23-0206 | SCREW | 2 | SM15/64 (5.95) X28 L=8 |
| 9 | | 23-0207 | NEEDLE BAR CRANK ROD | 1 | |
| 10 | | 23-0210 | NEEDLE BAR CRANK PIN | 1 | |
| 11 | | 23-0211 | OIL WICK | 0.03 | |
| 12 | | 25-0257 | COUNTER WEIGHT(A)36MMI | 1 | |
| 13 | | 23-0206 | SCREW | 2 | SM15/64 (5.95) X28 L=8 |
| 14 | | 23-0214 | SCREW | 2 | M8 L=8 |
| 15 | | 23-0215 | UPPER FEED CAM | 1 | 3.5 |
| 16 | | 23-0216 | SCREW | 2 | SM1/4(6.35)X40 L=8 |
| 17 | | 23-0217 | UPPER SHAFT INNER METAL | 1 | |
| 18 | | 23-0218 | OIL WICK | 0.25 | |
| 19 | | 23-0219 | ECCENTRIC CAM A ASM. | 1 | |
| 20 | | 23-0220 | ECCENTRIC CAM A | (1) | |
| 21 | | 23-0216 | SCREW | (2) | SM1/4(6.35)X40 L=8 |
| 22 | | 23-0221 | HORIZONTAL FEED CAM COVER | 1 | |
| 23 | | 23-0257 | SCREW | 2 | SM11/64 (4.37) X40 L=7 |
| 24 | | 23-0223 | UPPER SPROCKET | 1 | |
| 25 | | 23-0224 | SCREW | 2 | SM1/4(6.35)X40 L=11 |
| 26 | | 36-0225 | TIMING BELT | 1 | 664-8YU-15 |
| 27 | | 23-0227 | UPPER SHAFT BEARING HOOK | 1 | |
| 28 | 01 | 23-0228 | SCREW | 2 | M6 L=6 |
| 29 | | 23-0226 | BUSHING, REAR | 1 | |
| 30 | | 23-0262 | FLYWHEEL ASM. | 1 | |
| 31 | | 23-0263 | FLYWHEEL | (1) | |
| 32 | | 23-0206 | SCREW | (2) | SM15/64(5.95)X28 L=8 |
| 33 | | 23-0265 | MAGNET FITTING BASE A ASM. | (1) | |
| 34 | | 23-0266 | MAGNET FITTING BASE B ASM. | (1) | |
| 35 | 02 | 23-0267 | WASHER | (2) | 4.5X10X0.8 |
| 36 | 02 | 23-0268 | SCREW | (2) | SM11/64 (4.37) X40 L=12 |
| 37 | *01 | 23-0261 | FLYWHEEL | 1 | |
| 38 | 01 | 23-0206 | SCREW | 2 | SM15/64(5.95)X28 L=8 |
| 39 | | 48023900000 | CONTAIN SYNCHRO ASM. | 1 | |
| 40 | | 23-0271 | SCREW | 2 | |
| 41 | | 23-0249 | SCREW | 1 | SM15/64(5.95)X28 L=7 |
| 42 | | 48024200000 | RUBBER PLUG | 1 | |

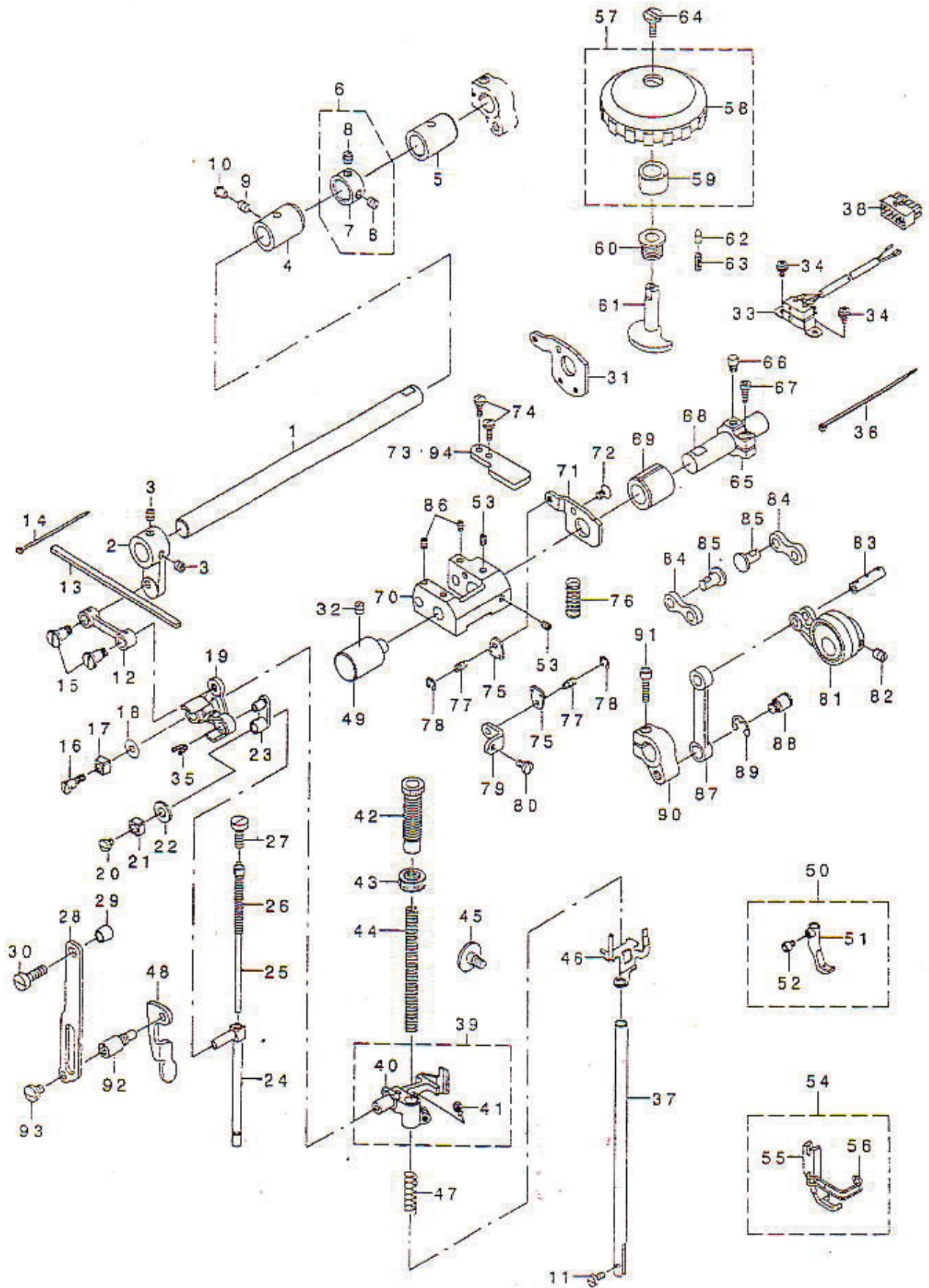
NOTE 01.....FOR 1342-7
02.....FOR 1342

3.NEEDLE BAR ROCKING COMPONENTS



| REF NO | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|--------|------|-------------|---------------------------|-----|----------------------------|
| 1 | | 48030100000 | NEEDLE BAR FRAME | 1 | |
| 2 | | 23-0302 | HINGE STUD | 1 | |
| 3 | | 23-0305 | SCREW | 1 | SM15/64(5.95)X28 L=10.5 |
| 4 | | 23-0303 | FELT | 1 | |
| 5 | | 48030500000 | NEEDLE BAR | 1 | |
| 6 | | 48030600000 | NEEDLE BAR CONNECTION | 1 | |
| 7 | | 48030700000 | SCREW | (1) | SM11/64 (4.37) X40 L=8 |
| 8 | | 23-0310 | FELT | (1) | |
| 9 | | 48030900000 | NEEDLE BAR CONNECTION | (1) | |
| 10 | | 25-0312 | SCREW | 1 | SM1/8 (3.18) X44 L=4.5 |
| 11 | | 23-0313 | NEEDLE | 1 | SY3355 160 |
| 12 | | 48031200000 | UPPER FEED BAR GUIDE | 1 | |
| 13 | | 23-0315 | SCREW | 2 | SM11/64 (4.37) X40 L=8.5 |
| 14 | | 36-0314 | ROCKING BASE GUIDE | 1 | |
| 15 | | 23-0317 | SCREW | 2 | SM11/64 (4.37) X40 L=7.5 |
| 16 | | 23-0318 | ROCKING BASE GUIDE (B) | 1 | |
| 17 | | 23-0319 | SCREW | 2 | |
| 18 | | 23-0322 | ROCKING SHAFT | 1 | |
| 19 | | 23-0320 | ROCKING FRONT ARM | 1 | |
| 20 | | 23-0321 | SCREW | 2 | |
| 21 | | 23-0324 | STUD | 1 | |
| 22 | | 23-0323 | SQUARE BLOCK | 1 | |
| 23 | | 23-0325 | ROCKING SHAFT FRONT METAL | 1 | |
| 24 | | 48032400000 | BUSHING REAR | 1 | |
| 25 | | 23-0306 | FELT | 1 | |
| 26 | | 36-0326 | ROCKING REAR ARM ASM. | 1 | |
| 27 | | 36-0327 | ROCKING REAR ARM | (1) | |
| 28 | | 23-0329 | SCREW | (1) | SM15/64(5.95)X28 L=23.5 |
| 29 | | 36-0329 | ROCKING REAR ARM FELT | (1) | |
| 30 | | 23-0331 | CABLE BAND | (2) | |
| 31 | | 48033100000 | NEEDLE THREAD GUIDE A | 1 | |

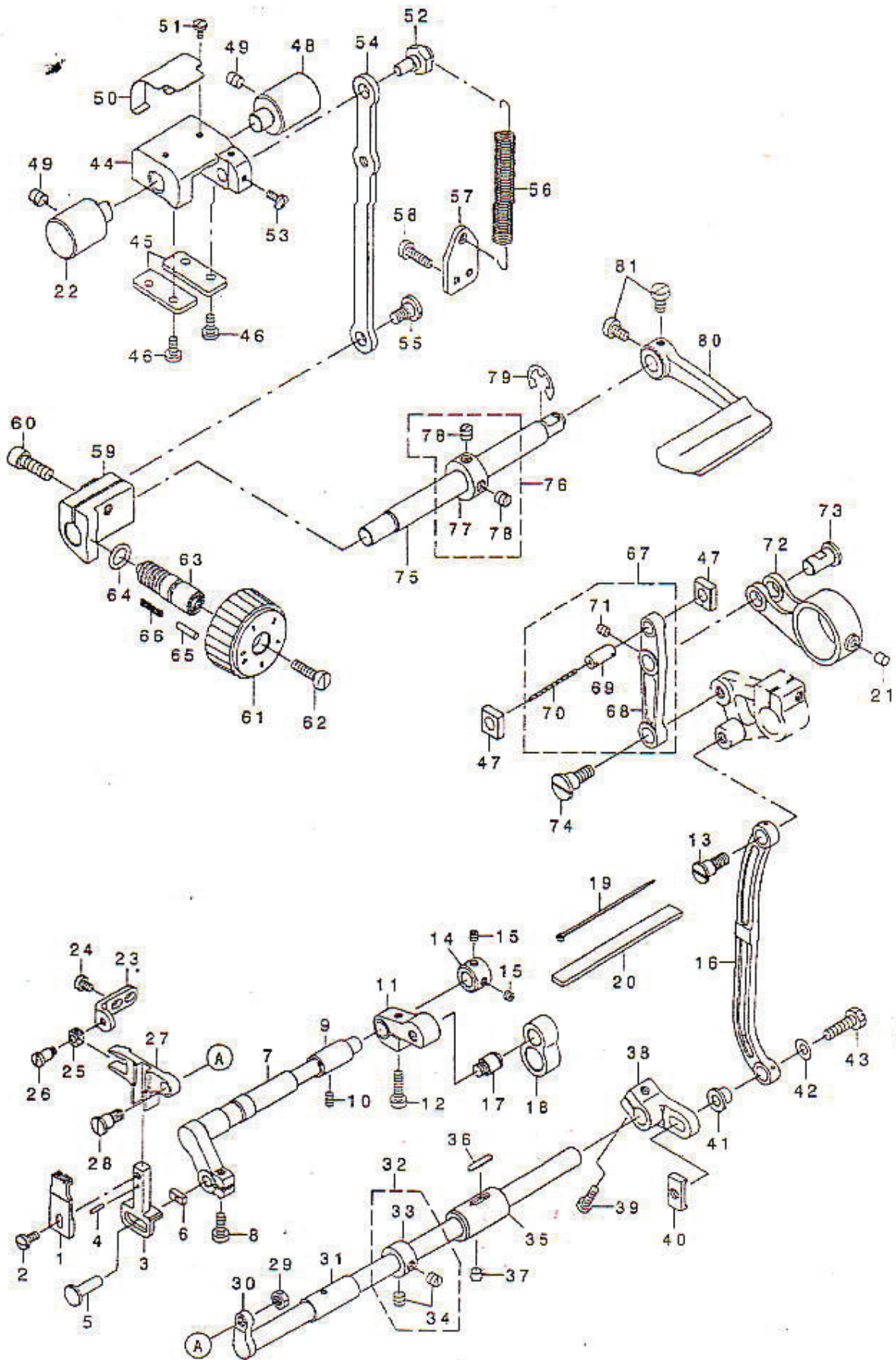
4.PRESSURE ADJUSTING AND UPPER FEED MECHANISM COMPONENTS



| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|-------------|-------------------------------|------|------------------------------|
| 1 | | 23-0401 | UPPER FEED SHAFT | 1 | |
| 2 | | 23-0402 | UPPER FEED FRONT ARM | 1 | |
| 3 | | 23-0403 | SCREW | 2 | SM11/4(6.35)X40 L=8 |
| 4 | | 23-0404 | FRONT METAL | 1 | |
| 5 | | 23-0405 | FEED SHAFT METAL | 1 | |
| 6 | | 23-0406 | MAIN SHAFT THRUST COLLAR ASM. | (1) | |
| 7 | | 23-0407 | MAIN SHAFT THRUST COLLAR | (2) | SM11/4(6.35)X40 L=8 |
| 8 | | 23-0408 | SCREW | 1 | SM15/64(5.95)X28 L=7 |
| 9 | | 23-0409 | SCREW | 1 | |
| 10 | | 23-0148 | RUBBER PLUG | 1 | |
| 11 | | 48041100000 | SCREW | 1 | SM9/64 (3.57) X40 L=10.5 |
| 12 | | 48041200000 | UPPER FEED LINK | 1 | |
| 13 | | 23-0413 | FELT | 1 | |
| 14 | | 23-0174 | CLIP | 2 | CV-70S |
| 15 | | 48041500000 | SCREW | 2 | |
| 16 | | 48041600000 | SCREW | 1 | |
| 17 | | 23-0417 | SLIDE BLOCK | 1 | |
| 18 | | 23-0418 | WASHER | 1 | 5X13X1 |
| 19 | | 48041900000 | TRIANGULAR LEVER ASM. | 1 | |
| 20 | | 23-0420 | SCREW | 1 | SM11/64 (4.37) X40 L=5 |
| 21 | | 23-0417 | SLIDE BLOCK | 1 | |
| 22 | | 23-0422 | FELT | 1 | |
| 23 | | 48042300000 | WALKING BAR DRIVING LINK | 1 | |
| 24 | | 48042400000 | WALKING BAR B | 1 | |
| 25 | | 23-0425 | WALKING BAR ASM. | 1 | |
| 26 | | 23-0426 | WALKING BAR SPRING | 1 | |
| 27 | | 23-0427 | SCREW | 1 | SM15/64(5.95)X28 L=17 |
| 28 | | 23-0428 | UPPER FEED GUIDE PLATE | 1 | |
| 29 | | 48042900000 | ROLLER | 1 | |
| 30 | | 23-0430 | SCREW | 1 | SM15/64(5.95)X28 L=19 |
| 31 | 01 | 48043100000 | STOPPER PLATE B | 1 | |
| 32 | | 23-0249 | SCREW | 1 | SM15/64(5.95)X28 L=7 |
| 33 | | 48043300000 | VERTICAL DETECTOR SWITCH ASM. | 1 | |
| 34 | | 23-0495 | SCREW | 2 | M4 L=8 |
| 35 | | 48043500000 | OIL WICK | 0.02 | |
| 36 | | 23-0454 | CABLE BAND | 1 | |
| 37 | | 48043700000 | PRESSER BAR | 1 | |
| 38 | | 48043800000 | HOUSING 12P | 1 | |
| 39 | | 48043900000 | PRESSER BAR HOLDER A ASM. | (1) | |
| 40 | | 48044000000 | PRESSER BAR HOLDER A | (1) | SM11/64 (4.37) X40 L=8.5 |
| 41 | | 23-0315 | SCREW | 1 | |
| 42 | | 23-0497 | PRESSER ADJUSTING SCREW | 1 | |
| 43 | | 48044300000 | PRESSER SPRING REGULATOR NUT | 1 | |
| 44 | | 23-0444 | PRESSER SPRING | 1 | |
| 45 | | 23-0445 | HINGE SCREW | 1 | D=8 H=4.9 |
| 46 | | 23-0446 | THREAD RELEASE HOLDING PLATE | 1 | |
| 47 | | 23-0447 | THREAD RELEASE SPRING | 1 | |
| 48 | | 23-0448 | PRESSER LIFTING LEVER | 1 | |
| 49 | | 23-0449 | FEED ADJUSTING BASE SUPPORT | 1 | |
| 50 | | 48045000000 | PRESSER INNER FOOT ASM. | (1) | |
| 51 | | 48045100000 | PRESSER INNER FOOT | (1) | M4 L=4.5 |
| 52 | | 48045200000 | SCREW | (1) | M5 L=6 |
| 53 | | 23-1220 | SCREW | 2 | |
| 54 | | 48045400000 | PRESSER FOOT ASM. | 1 | |
| 55 | | 48045500000 | PRESSER FOOT | (1) | |
| 56 | | 48045600000 | FINGER GUARD | (1) | |
| 57 | | 39-0457 | UPPER AND LOWER DIAL ASM. | 1 | |
| 58 | | 39-0458 | VERTICAL DIAL | (1) | |
| 59 | | 39-0459 | VERTICAL CAM | (1) | |
| 60 | | 39-0460 | VERTICAL DIAL SHAFT BUSHING | 1 | |
| 61 | | 39-0461 | VERTICAL ADJUSTING CAM | 1 | |
| 62 | | 39-0462 | VERTICAL DIAL PIN | 1 | |
| 63 | | 39-0463 | SPRING | 1 | |
| 64 | | 39-0464 | SCREW | 1 | SM11/64 (4.37) X40 L=6 |
| 65 | | 39-0465 | VERTICAL ADJUSTING ARM | 1 | |
| 66 | | 39-0466 | PIN | 1 | M5X0.8 L=14 |
| 67 | | 39-0467 | SCREW | 1 | |
| 68 | | 39-0468 | VERTICAL CHANGE BASE SHAFT | 1 | |
| 69 | | 39-0469 | FEED SHAFT FRONT METAL | 1 | |
| 70 | | 39-0470 | VERTICAL CHANGE BELT | 1 | |
| 71 | 02 | 39-0471 | UPPER FEED STOPPER PLATE(A) | 1 | |
| 72 | | 39-0472 | SCREW | 1 | M5 L=8 |
| 73 | 01 | 39-0473 | UPPER FEED STOPPER PLATE | 2 | |
| 74 | | 23-0315 | SCREW | 2 | |
| 75 | | 39-0475 | SPRING HOOK | 2 | |
| 76 | | 39-0476 | VERTICAL SHAFT SPRING | 2 | |
| 77 | | 39-0477 | CONNECTING ROD HINGE SCREW | 2 | |
| 78 | | 39-0478 | E-RING | 2 | |
| 79 | | 39-0479 | UPPER FEED DOG SPRING HOOK | 1 | |
| 80 | | 23-0317 | SCREW | 1 | SM11/64 (4.37) X40 L=7.5 * |
| 81 | | 39-0481 | ECCENTRIC ROD (SET) | 1 | |
| 82 | | 23-0216 | SCREW | 2 | SM11/4(6.35)X40 L=8 |
| 83 | | 39-0483 | CONNECTION LINK PIN B | 1 | |
| 84 | | 39-0484 | CONNECTION LINK B | 2 | |
| 85 | | 39-0485 | CONNECTION LINK B SUPPORT PIN | 2 | |
| 86 | | 23-1220 | SCREW | 2 | M5 L=6 |
| 87 | | 39-0487 | UPPER FEED LINK(B) | 1 | |
| 88 | | 39-0488 | HINGE SCREW | 1 | |
| 89 | | 39-0489 | E-SHAPED SNAP RING(8MM) | 1 | |
| 90 | | 39-0490 | UPPER FEED REAR ARM(B) | 1 | |
| 91 | | 39-0491 | SCREW | 1 | M5 L=20 |
| 92 | | 23-0449 | GUIDE PLATE SPACER | 1 | |
| 93 | | 39-0411 | SCREW | 1 | SM15/64(5.95)X28 L=7 |
| 94 | 02 | 39-0473 | UPPER FEED STOPPER PLATE(B) | 1 | |

NOTE 01.....FOR 1342-7
02.....FOR 1342

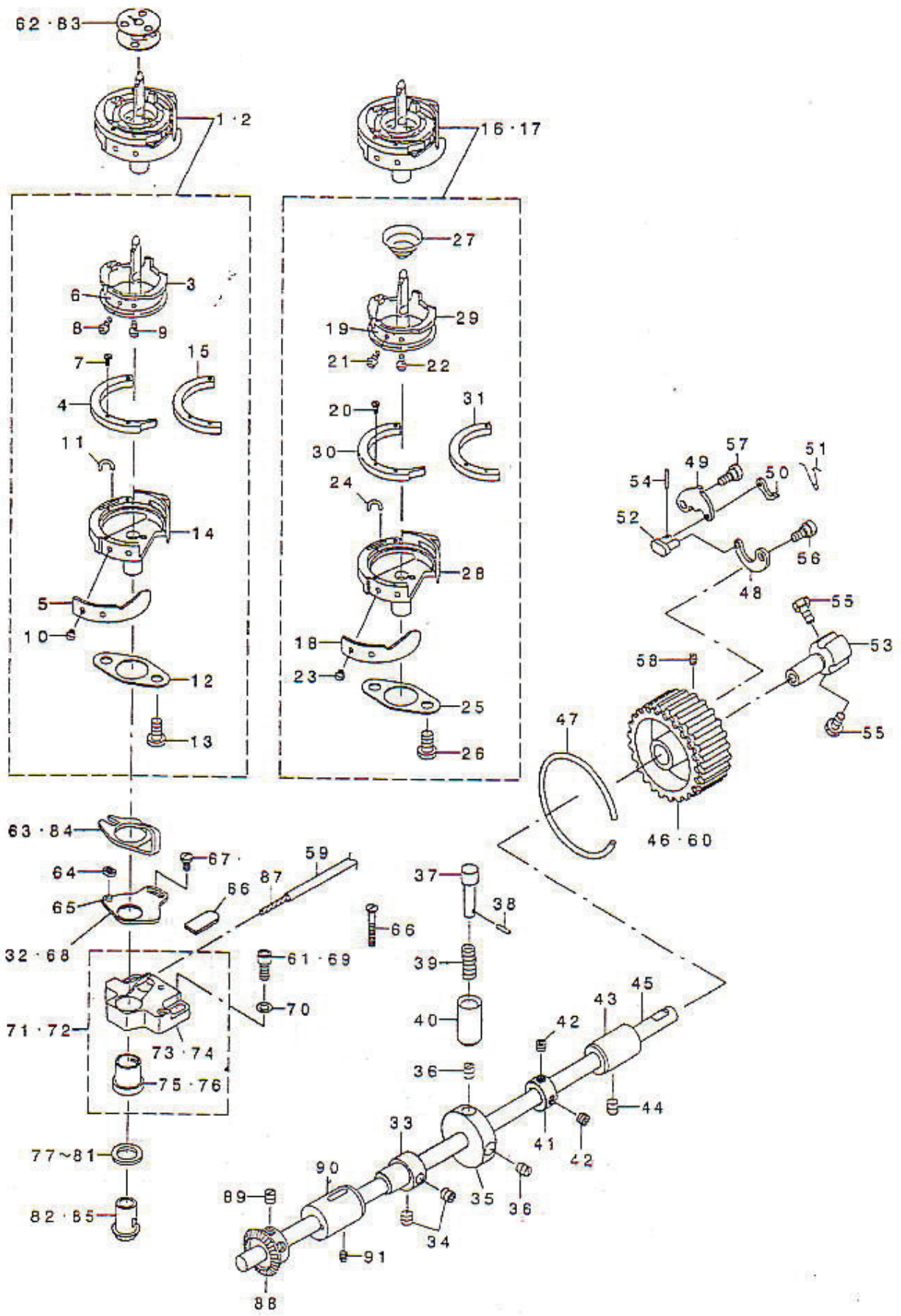
5. FEED MECHANISM COMPONENTS



| REF NO | NOTE | PART NO | DESCRIPTION | Qty | REMARK |
|--------|------|-------------|------------------------------|--------|----------------------------|
| 1 | | 48050100000 | FEED DOG | 1 | |
| 2 | | 36-0502 | SCREW | 1 | SM11/64 (4.37) X40 L=7.8 |
| 3 | | 48050300000 | FEED BASE | 1 | |
| 4 | | 36-0504 | SPRING PIN | 1 | 2.0X10 |
| 5 | | 36-0505 | FEED BASEPIN | 1 | |
| 6 | | 48050600000 | FEED DRIVING ROCKER BLOCK | 1 | |
| 7 | | 36-0507 | VERTICAL FEED SHAFT | 1 | |
| 8 | | 36-0508 | SCREW | 1 | SM3/16 (4.76) X28 L=11.5 |
| 9 | | 36-0509 | VERTICAL FEED SHAFT METAL | 1 | |
| 10 | | 36-0510 | SCREW | 1 | SM11/64 (4.37) X40 L=6.5 |
| 11 | | 36-0511 | VERTICAL FEED ARM | 1 | |
| 12 | | 36-0512 | SCREW | 1 | SM3/16 (4.76) X28 L=18 |
| 13 | | 36-0516 | HINGE SCREW | 1 | D=9 N=7 |
| 14 | | 36-0514 | VERTICAL FEED THRUST COLLAR | 1 | |
| 15 | | 36-0515 | SCREW | 2 | M4X0.7 L=5 |
| 16 | | 36-0522 | NEEDLE BAR FRAME ROD | 1 | |
| 17 | | 36-0517 | HINGE SCREW | 1 | |
| 18 | | 36-0518 | VERTICAL FEED ROD | 1 | |
| 19 | | 36-0519 | CABLE BAND | 1 | 150 |
| 20 | | 36-0520 | VERTICAL FEED ROD FELT | 1 | |
| 21 | | 23-0564 | HORIZONTAL FEED ROD OIL FELT | 1 | |
| 22 | | 48052200000 | FEED ADJUSTER SUPPORT | 1 | |
| 23 | | 36-0523 | HORIZONTAL FEED BASE SUPPORT | 1 | |
| 24 | | 36-0524 | SCREW | 2 | SM11/64 (4.37) X40 L=6 |
| 25 | | 36-0525 | SQUARE BLOCK | 1 | |
| 26 | | 36-0526 | HINGE SCREW | 1 | D=6.35 H=7.5 |
| 27 | | 36-0527 | HORIZONTAL FEED BASE | 1 | |
| 28 | | 36-0528 | HINGE SCREW | 1 | D=7.94 H=7 |
| 29 | | 36-0529 | NUT 1/4-40 | 1 | SM1/4(6.35)X40 |
| 30 | | 36-0530 | HORIZONTAL FEED SHAFT | 1 | |
| 31 | | 36-0531 | BUSHING ,FRONT | 1 | |
| 32 | | 36-0532 | THRUST COLLAR ASM. | 1 | D=11.11 W=10 |
| 33 | | 36-0533 | THRUST COLLAR | (1) | D=11.11 W=10 |
| 34 | | 36-0534 | SCREW | (2) | SM1/4(6.35)X40 L=6 |
| 35 | | 36-0535 | HORIZONTAL FEED SHAFT D | 1 | |
| 36 | | 36-0536 | OIL FELT | 1 | |
| 37 | | 36-0537 | SCREW | 1 | SM15/64(5.95)X28 L=4.7 |
| 38 | | 36-0538 | HORIZONTAL FEED ARM | 1 | |
| 39 | | 36-0539 | SCREW | 1 | SM3/16 (4.76) X28 L=15.5 |
| 40 | | 36-0540 | HORIZONTAL FEED ARM STOPPER | 1 | |
| 41 | | 36-0541 | HORIZONTAL FEED ARM ROD | 1 | |
| 42 | | 36-0542 | WASHER | 1 | |
| 43 | | 36-0543 | SCREW | 1 | SM15/64(5.95)X28 L=20.5 |
| 44 | | 23-0523 | FEED ADJUSTING BASE | 1 | |
| 45 | | 23-0524 | FEED ADJUSTING BASE | 2 | |
| 46 | | 23-0315 | SCREW | 4 | SM11/64 (4.37) X40 L=8.5 |
| 47 | | 23-0526 | SQUARE BLOCK | 2 | |
| 48 | | 23-0527 | FEED ADJUSTING BASE SUPPORT | 1 | |
| 49 | | 23-0206 | SCREW | 2 | SM15/64(5.95)X28 L=8 |
| 50 | | 23-0529 | FELT SUPPORT | 1 | |
| 51 | | 23-0530 | SCREW | 2 | SM9/64 (3.57) X40 L=6 |
| 52 | | 23-0531 | ECCENTRIC PIN | 1 | |
| 53 | | 23-0532 | STREW | 2 | SM9/64 (3.57) X40 L=8.5 |
| 54 | | 23-0533 | FEED ADJUSTING ROD | 1 | |
| 55 | | 23-0534 | HINGE SCREW | 1 | D=8 H=4 |
| 56 | | 23-0535 | SPRING | 1 | |
| 57 | | 23-0536 | SPRING HOOK | 1 | |
| 58 | | 23-0537 | SCREW | 2 | SM11/64 (4.37) X40 L=16 |
| 59 | | 36-0559 | FEED ADJUSTING | 1 | |
| 60 | | 23-0540 | SCREW | 1 | M6 L=18 |
| 61 | | 36-0561 | FEED ADJUSTING DIAL | 1 | |
| 62 | | 23-0543 | SCREW | 1 | SM3/16 (4.76) X28 L=18 |
| 63 | | 48056300000 | FEED REGULATOR SCREW | 1 | |
| 64 | | 23-0545 | RUBBER RING | 1 | |
| 65 | | 48056500000 | FEED REGULATOR PIN | 1 | |
| 66 | | 23-0546 | FEED REGULATOR PIN SPRING | 1 | |
| 67 | | 23-0548 | FEED LINK ASM. | 1 | |
| 68 | | 23-0549 | FEED LINK | (1) | |
| 69 | | 23-0550 | CONNECTING FORXED LINK PIN | (1) | |
| 70 | | 23-0551 | OIL WICK | (0.04) | |
| 71 | | 23-0552 | SCREW | (1) | M5X0.8 L=6 |
| 72 | | 23-0553 | FEED ROD A | 1 | |
| 73 | | 23-0554 | FEED LINK PIH | 1 | |
| 74 | | 23-0555 | HINGE SCREW | 1 | D=10 H=8 |
| 75 | | 25-0561 | BACKWARD FEED LEVER SHAFT | 1 | |
| 76 | | 23-0558 | THRUST COLLAR ASM. | 1 | D=12 W=10 |
| 77 | | 23-0559 | THRUST COLLAR | (1) | D=12 W=10 |
| 78 | | 23-0408 | SCREW | (2) | SM1/4(6.35)X40 L=6 |
| 79 | | 23-0561 | E-RING | 1 | E9 |
| 80 | | 23-0562 | REVERSE FEED ROCK SHAF | 1 | |
| 81 | 01 | 23-0563 | SCREW | 2 | SM3/16 (4.76) X28 L=9 |

NOTE 01.....FOR 1342

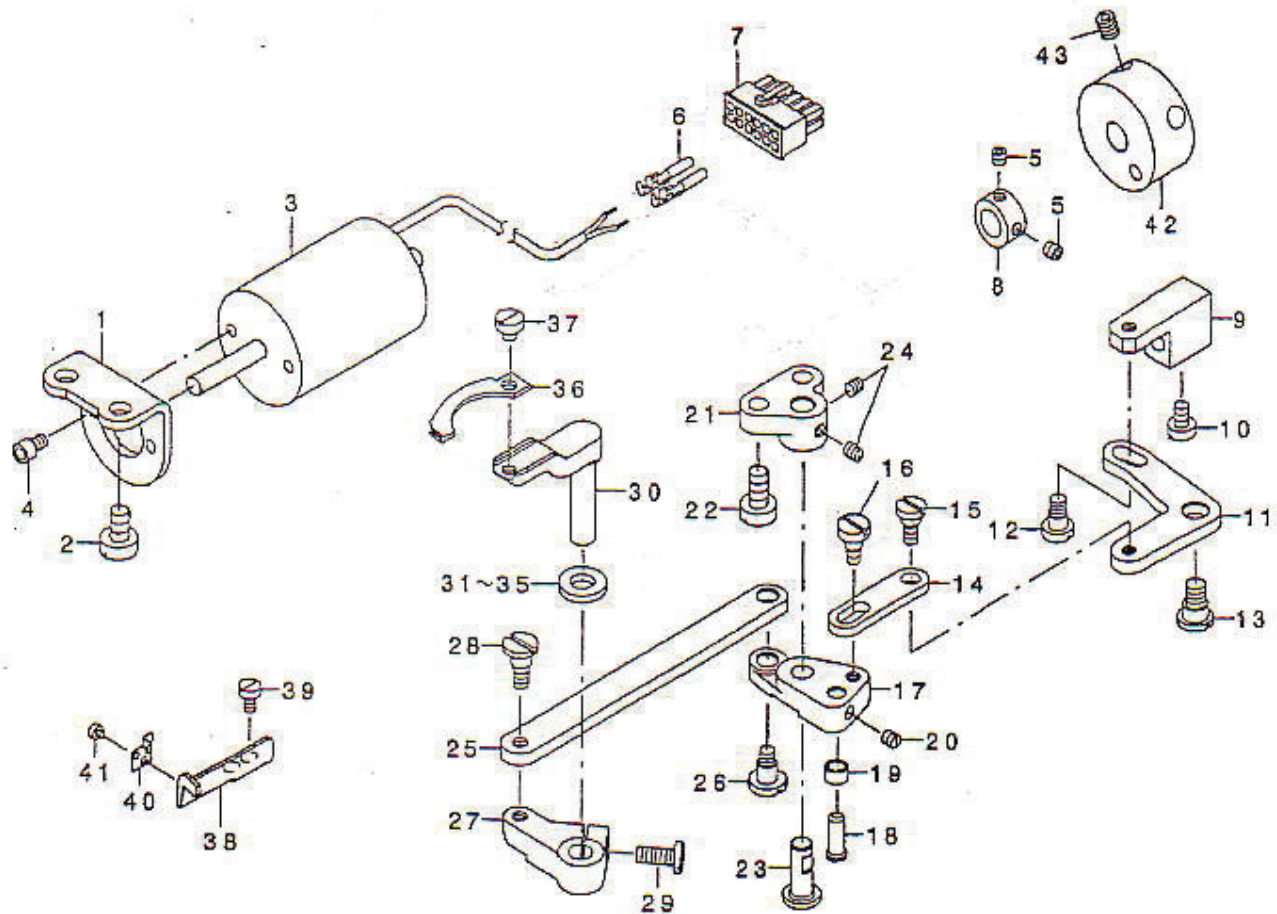
6.HOOK SHARFT AND LOWER SHARFT COMPONENTS



| REF NO | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|--------|------|-------------|--------------------------------|------|----------------------------|
| 1 | 03 | 48060100000 | LATCH HOOK ASM | 1 | |
| 2 | 05 | 48060200000 | LATCH HOOK ASM | 1 | |
| 3 | | 48060300000 | LATCH INNER HOOK ASM | (1) | |
| 4 | 03 | 48060400000 | INNER HOOK PRESSER WITH HORN | (1) | |
| 5 | | 48060500000 | NEEDLE GUARD | (1) | |
| 6 | | 48060600000 | TENSION SPRING | (1) | |
| 7 | | 48060700000 | PRESSER SETSCREW | (3) | |
| 8 | | 48060800000 | TENSION SCREW | (1) | |
| 9 | | 48060900000 | TENSION SPRING SETSCREW | (1) | |
| 10 | | 48061000000 | SCREW | (2) | |
| 11 | | 48061100000 | FELT | (1) | |
| 12 | | 48061200000 | NEEDLE GUARD | (1) | |
| 13 | | 48061300000 | NEEDLE GUARD SETSCREW | (2) | |
| 14 | | 48061400000 | HOOK | (1) | |
| 15 | 05 | 48061500000 | INNER HOOK PRESSER | (1) | |
| 16 | 02 | 48061600000 | THREAD TRIMMER LATCH HOOK ASM. | 1 | |
| 17 | 04 | 48061700000 | THREAD TRIMMER LATCH HOOK ASM. | 1 | |
| 18 | | 48061800000 | NEEDLE GUARD | (1) | |
| 19 | | 48061900000 | TENSION SPRING | (1) | |
| 20 | | 48062000000 | PRESSER SETSCREW | (3) | |
| 21 | | 48062100000 | ADJUSTING SCREW | (1) | |
| 22 | | 48062200000 | SCREW | (1) | |
| 23 | | 48062300000 | SCREW | (2) | |
| 24 | | 48062400000 | FELT | (1) | |
| 25 | | 48062500000 | NEEDLE GUARD | (1) | |
| 26 | | 48062600000 | NEEDLE GUARD SETSCREW | (2) | |
| 27 | | 48062700000 | IDLE PREVENTION SPRING | (1) | |
| 28 | | 48062800000 | HOOK | (1) | |
| 29 | | 48062900000 | LATCH INNER HOOK ASM | (1) | |
| 30 | 02 | 48063000000 | INNER HOOK PRESSER WITH HORN | (1) | |
| 31 | 04 | 48063100000 | INNER HOOK PRESSER- | (1) | |
| 32 | 02 | 48063200000 | ADJUSTING PLATE | 1 | |
| 33 | | 48063300000 | VERT CAL FEED CAM | 1 | (0.6) |
| 34 | | 36-0634 | SCREW | 2 | SM1/4(6.35)X40 L=8 |
| 35 | | 36-0635 | SAFETY CLUTCH DISK | 1 | |
| 36 | | 36-0636 | SCREW | 2 | SM15/64(5.95)X28 L=7 |
| 37 | | 36-0637 | SAFETY CLUTCH PUSH BUTTON | 1 | |
| 38 | | 36-0638 | SPRING PIN | 1 | 2.0X10 |
| 39 | | 36-0639 | SPRING | 1 | |
| 40 | | 36-0640 | PUSH BUTTON CYLINDER | 1 | |
| 41 | | 36-0641 | LOWER SHAFT THRUST HOLDER | 1 | |
| 42 | | 36-0642 | SCREW | 2 | SM15/64(5.95)X28 L=4 |
| 43 | | 36-0643 | LOWER SHAFT METAL, BEAR | 1 | |
| 44 | | 36-0644 | SCREW | 1 | SM15/64(5.95)X28 L=7 |
| 45 | | 36-0645 | LOWER SHAFT | 1 | |
| 46 | 01 | 36-0646 | LOWER SPROCKET | 1 | |
| 47 | | 23-0232 | SPROCKET RING | 1 | |
| 48 | | 36-0648 | SAFETY CLUTCH SPRING | 1 | |
| 49 | | 36-0649 | SAFETY CLUTCH HOOK | 1 | |
| 50 | | 23-0235 | SAFETY CLUTCH COUNTER-HOOK | 1 | |
| 51 | | 23-0236 | COUNTER-HOOK SPRING | 1 | |
| 52 | | 23-0237 | SAFETY CLUTCH SMALL LINK | 1 | |
| 53 | | 36-0653 | SAFETY BASE | 1 | |
| 54 | | 23-0239 | SAFETY CLUTCH SMALL LINK PIN | 1 | |
| 55 | | 36-0655 | SCREW | 2 | SM1/4(6.35)X40 L=11 |
| 56 | | 23-0241 | HINGE SCREW | 1 | D=6.35 H=3.2 |
| 57 | | 23-0241 | HINGE SCREW | 1 | D=6.35 H=3.2 |
| 58 | | 36-0658 | SCREW | 1 | SM9/64 (3.57) X40 L=5 |
| 59 | | 36-0632 | OIL TUBE | 0.05 | |
| 60 | | 36-0659 | LOWER SPROCKET | 1 | |
| 61 | 02 | 48066100000 | SCREW | 2 | M5X0.8 L=10 |
| 62 | 03 | 36-0601 | BOBBIN | 1 | |
| 63 | *03 | 48066300000 | INNER HOOK GUIDE | 1 | |
| 64 | | 36-0604 | SLIDE BLOCK | 1 | |
| 65 | | 36-0605 | SLIDE BLOCK PIN | 1 | |
| 66 | | 36-0606 | SCREW | 1 | SM9/64 (3.57) X40 L=25.4 |
| 67 | | 36-0607 | SCREW | 1 | SM9/64 (3.57) X40 L=6.8 |
| 68 | 03 | 36-0608 | ADJUSTING PLATE | 1 | |
| 69 | 03 | 36-0609 | SCREW | 2 | M5X0.8 L=12 |
| 70 | | 36-0610 | WASHER | 2 | 5.2X9.5X0.6 |
| 71 | *03 | 48067100000 | HOOK SHAFT BASE ASM. | 1 | |
| 72 | *02 | 48067200000 | HOOK SHAFT BASE ASM. | 1 | |
| 73 | *03 | 48067300000 | HOOK SHAFT BASE | (1) | |
| 74 | *02 | 48067400000 | HOOK SHAFT BASE | (1) | |
| 75 | *03 | 48067500000 | HOOK SHAFT METAL | (1) | |
| 76 | *02 | 48067600000 | HOOK SHAFT METAL | (1) | |
| 77 | 01 | 36-0617 | WASHER | 1 | |
| 78 | 01 | 36-0618 | WASHER A | 1 | |
| 79 | | 36-0619 | WASHER B | 1 | |
| 80 | 01 | 36-0620 | WASHER C | 1 | |
| 81 | 01 | 36-0621 | WASHER | 1 | |
| 82 | 03 | 36-0622 | HOOK SHAFT GEAR | 1 | |
| 83 | 02 | 48068300000 | ALUMINUM BOBBIN(DOUBLE-CUT) | 1 | |
| 84 | 02 | 48068400000 | INNER HOOK GUIDE | 1 | |
| 85 | 02 | 48068500000 | HOOK SHAFT BEVEL GEAR | 1 | |
| 86 | | 36-0627 | HOOK SHAFT LUBRICATION FELT | 1 | |
| 87 | | 36-0628 | OIL WICK | 0.15 | |
| 88 | | 36-0629 | LOWER SHAFT BEVEL GEAR | 1 | |
| 89 | | 36-0630 | SCREW | 3 | SM1/4(6.35)X40 L=6 |
| 90 | | 36-0631 | BUSHING, INTERMEDIATE | 1 | |
| 91 | | 48069100000 | SCREW | 1 | SM11/64 (4.37) X40 L=4.5 |

NOTE 01.....SELECTIVE PARTS
02.....FOR 1342-7
03.....FOR 1342
04.....FOR 1342-7(OPTIONAL PARTS)
05.....FOR 1342(OPTIONAL PARTS)

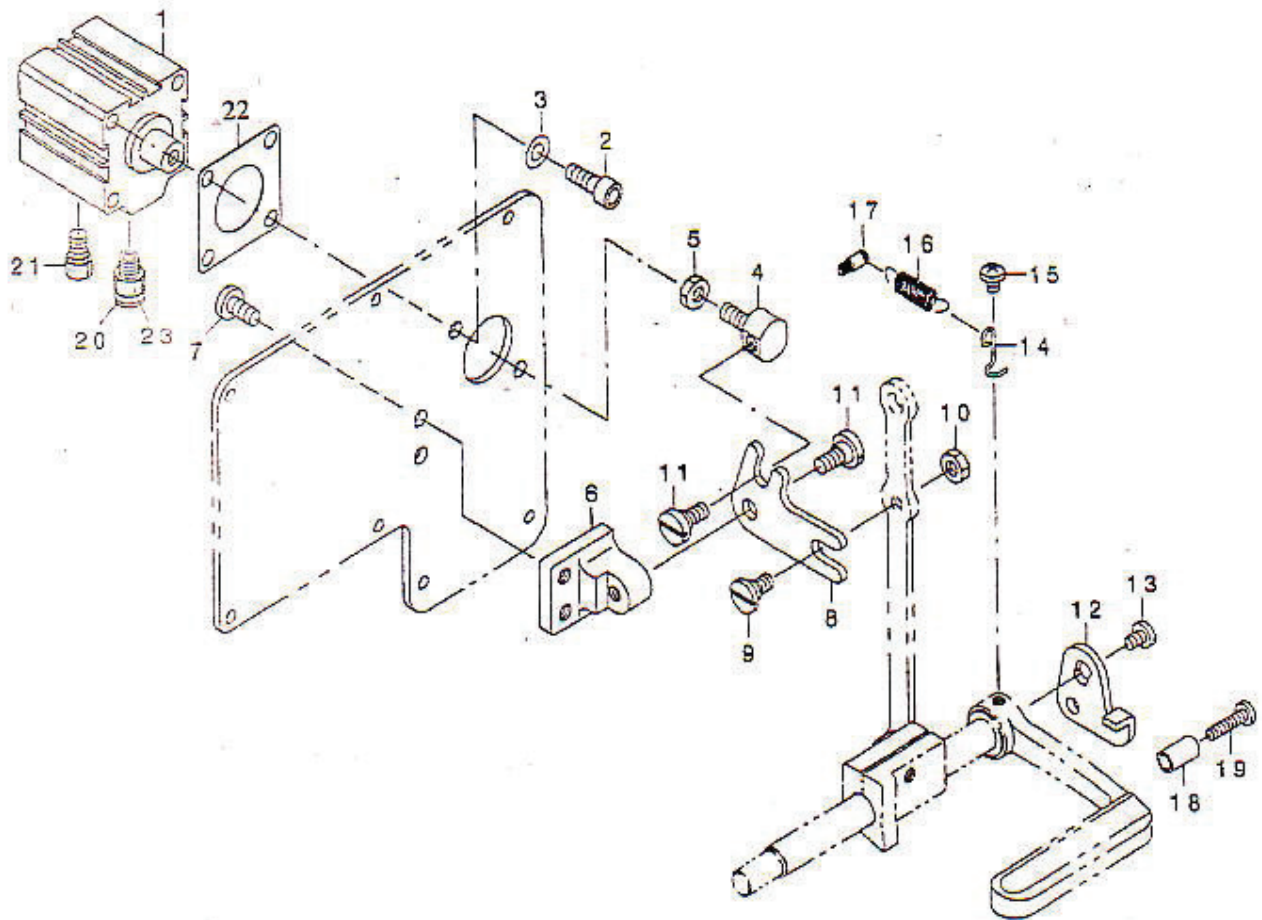
7.THREAD TRIMMER COMPONENTS(FOR 1342-7)



| REF NO. | NOTE | PART NO | DESCRIPTION | Qty | REMARK |
|---------|------|-------------|------------------------------|-----|----------------------------|
| 1 | | 48070100000 | SOLENOID FITTING PLATE | 1 | |
| 2 | | 39-0756 | SCREW | 2 | SM15/64(5.95)X28 L=10 |
| 3 | | 48070300000 | THREAD COTTING SOLENOID | 1 | |
| 4 | | 48070400000 | SCREW | 2 | M4X0.7 L=6 |
| 5 | | 23-0655 | SCREW | 2 | SM11/64 (4.37) X40 L=4 |
| 6 | | 39-0760 | PING CONTACT | 2 | |
| 7 | | 48043800000 | HOUSING 12P | 1 | |
| 8 | | 48070800000 | THRUST COLLAR | 1 | D=9.5 W=8 |
| 9 | | 48070900000 | THREAD TRIMMER SOLENOID ARM | 1 | |
| 10 | | 23-0453 | SCREW | 2 | SM11/64 (4.37) X40 L=6.5 |
| 11 | | 48071100000 | THREAD TRIMMER SOLENOID LINK | 1 | |
| 12 | | 48071200000 | HINGE SCREW | 1 | D=6 H=4.5 |
| 13 | | 48071300000 | HINGE SCREW | 1 | D=7.94 H=4.5 |
| 14 | | 48071400000 | SOLENOID CONNECTING LINK | 1 | |
| 15 | | 48071500000 | HINGE SCREW | 1 | D=6 H=3.2 |
| 16 | | 48071600000 | HINGE SCREW | 1 | |
| 17 | | 48071700000 | FOLLOWER ARM | 1 | |
| 18 | | 48071800000 | CAM ROLLER SHAFT | 1 | |
| 19 | | 48071900000 | THREAD TRIMMER CAM ROLLER | 1 | |
| 20 | | 48072000000 | SCREW | 1 | SM11/64 (4.37) X40 L=3.5 |
| 21 | | 48072100000 | FOLLOWER BASE | 1 | |
| 22 | | 23-0172 | SCREW | 2 | SM15/64(5.95)X28 L=12 |
| 23 | | 48072300000 | FOLLOWER SHAFT | 1 | |
| 24 | | 48069100000 | SCREW | 1 | SM11/64 (4.37) X40 L=4.5 |
| 25 | | 48072500000 | THREAD TRIMMER LINK | 2 | |
| 26 | | 48072600000 | HINGE SCREW | 1 | D=6.35 H=6.3 |
| 27 | | 48072700000 | MOVING KNIFE ARM | 1 | |
| 28 | | 39-0749 | HINGE SCREW | 1 | D=6.35 H=4.5 |
| 29 | | 48072900000 | SCREW | 1 | SM3/16 (4.76) X28 L=12 |
| 30 | | 48073000000 | MOVING KNIFE BASE | 1 | |
| 31 | 01 | 48073100000 | HOOK SHAFT WASHER A | 1 | |
| 32 | 01 | 48073200000 | HOOK SHAFT WASHER B | 1 | |
| 33 | | 48073300000 | HOOK SHAFT WASHER C | 1 | |
| 34 | 01 | 48073400000 | HOOK SHAFT WASHER | 1 | |
| 35 | 01 | 48073500000 | HOOK SHAFT WASHER | 1 | |
| 36 | | 48073600000 | MOVING KNIFE | 1 | |
| 37 | | 23-1510 | SCREW | 1 | SM11/64 (4.37) X40 L=4.3 |
| 38 | | 48073800000 | FIXING KNIFE | 1 | |
| 39 | | 23-1222 | SCREW | 2 | |
| 40 | | 48074000000 | CLAMP PLATE | 1 | |
| 41 | | 48074100000 | SCREW | 2 | SM3/32(2.38)X56 L=2 |
| 42 | | 48074200000 | THREAD TRIMMER CAM | 1 | |
| 43 | | 23-0403 | SCREW | 2 | SM1/4(6.35)X40 L=6 |

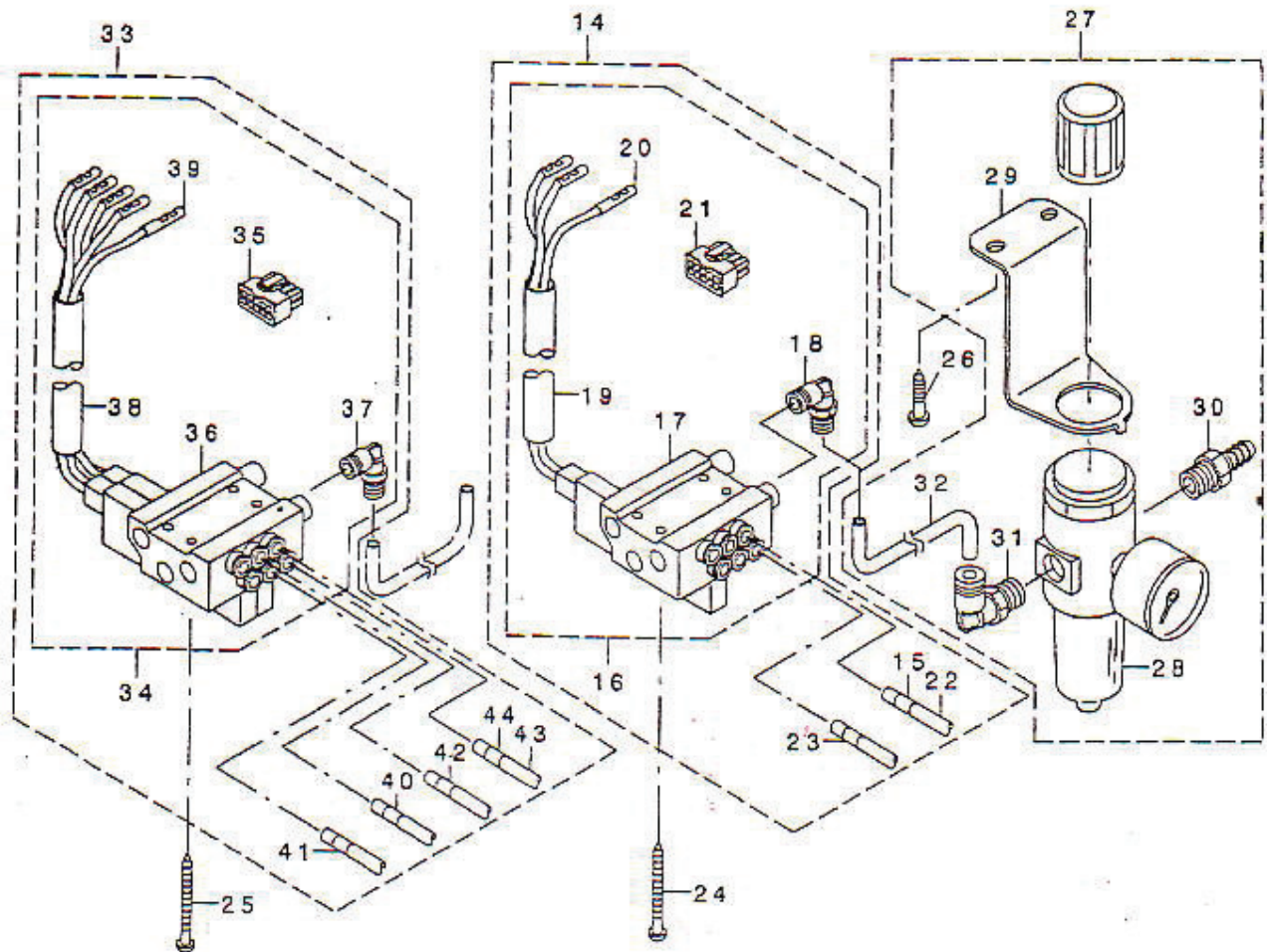
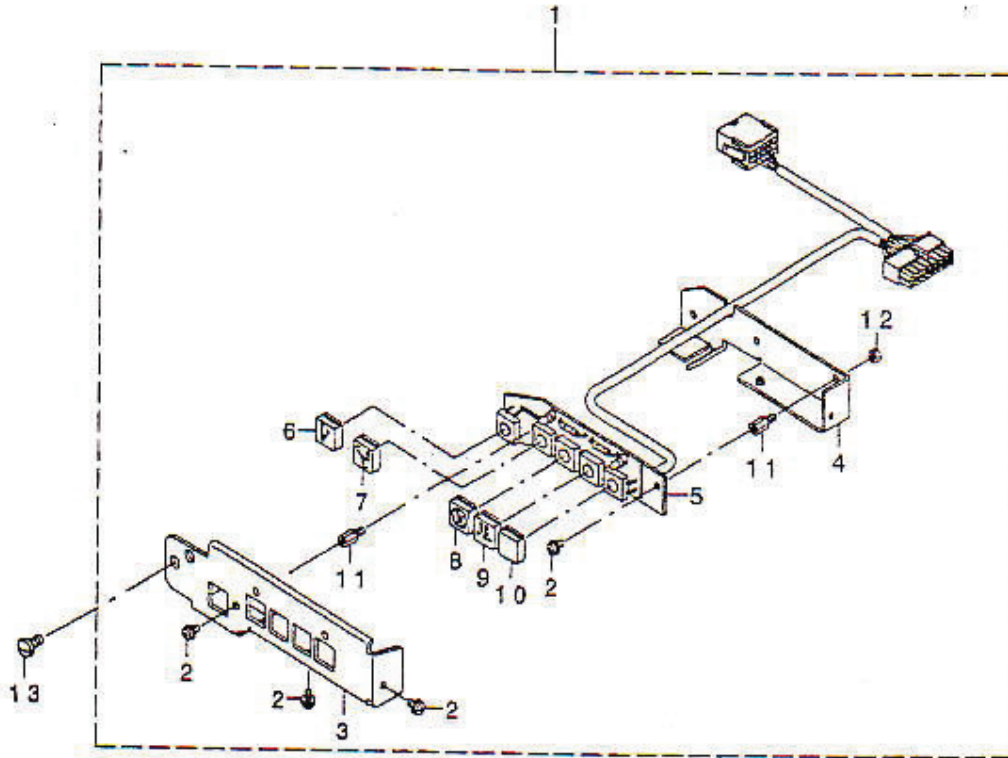
NOTE 01.....SELECTIVE PARTS

8.AUTOMATIC BACK COMPONENTS(FOR 1342-7)



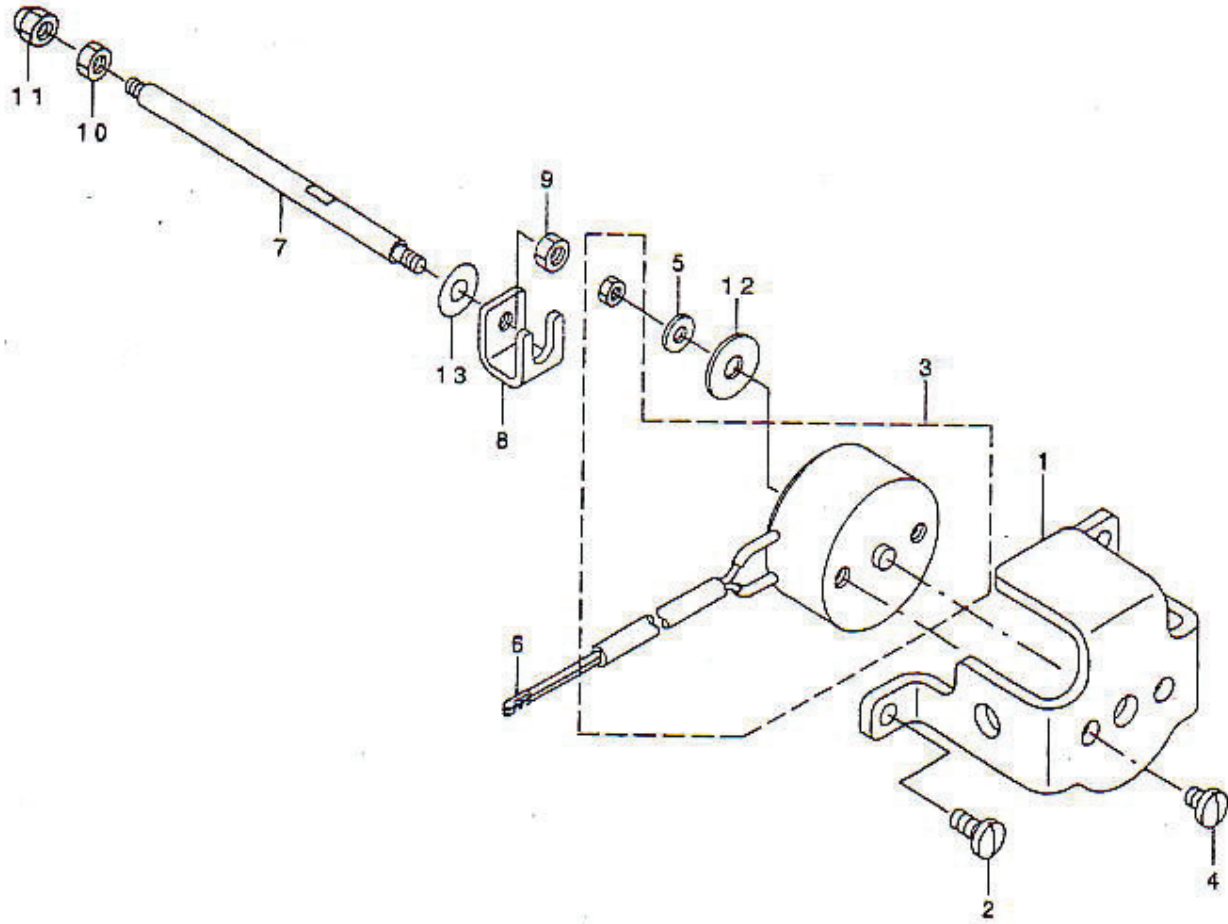
| REF NO | NOTE | PART NO | DESCRIPTION | Qty | REMARK |
|--------|------|---------|---------------------------|-----|---------------------------|
| 1 | | 39-0802 | JIG CYLINDER | 1 | |
| 2 | | 39-0803 | SCREW | 2 | M6 L=16 |
| 3 | | 39-0804 | WASHER | 2 | M6 |
| 4 | | 39-0805 | CYLINDER CONNECTING SCREW | 1 | |
| 5 | | 39-0806 | NUT | 1 | M6 |
| 6 | | 39-0807 | FITTING BASE | 1 | |
| 7 | | 39-0808 | SCREW | 2 | SM15/64(5.95)X28 L=12 |
| 8 | | 39-0809 | BACKWARD FEED LINK | 1 | |
| 9 | | 39-0813 | HINGE SCREW | 1 | D=8 H=4 |
| 10 | | 39-0814 | NUT | 1 | SM15/64(5.95)X28 |
| 11 | | 39-0810 | HINGE SCREW | 2 | D=8 H=3.5 |
| 12 | | 39-0815 | REVERSE FEED LINK, (1) | 1 | |
| 13 | | 23-0255 | SCREW | 1 | SM3/16 (4.76) X32 L=7 |
| 14 | | 39-0817 | SPRING SUSPENSION | 1 | |
| 15 | | 39-0818 | SCREW | 1 | SM3/16 (4.76) X32 L=6 |
| 16 | | 39-0819 | SPRING | 1 | |
| 17 | | 39-0820 | SPRING SUSPENSION | 1 | |
| 18 | | 39-0821 | BACK LEVER STOPPER | 1 | |
| 19 | | 23-0614 | SCREW | 1 | SM11/64 (4.37) X40 L=18 |
| 20 | | 39-0811 | HALF UNION | 1 | |
| 21 | | 39-0812 | MUFFLER | 1 | |
| 22 | | 39-0801 | CYLINDER PACKING | 1 | |
| 23 | | 39-0831 | WIRE MARK(1) | 1 | |

9.CONTROL DEVICE COMPONENTS(FOR 1342-7)



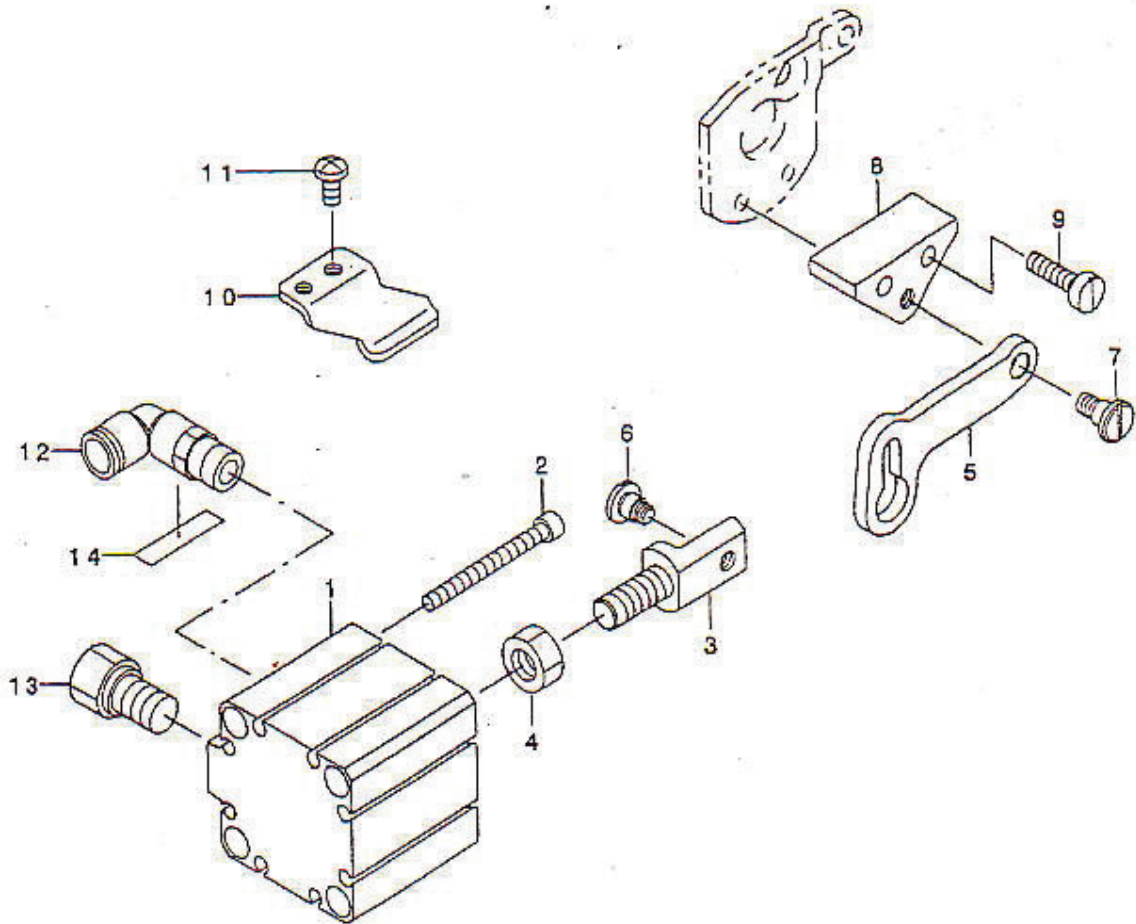
| REF NO. | NOTE | PART NO. | DESCRIPTION | QTY | REMARK |
|---------|------|-------------|-------------------------------|--------|------------------------|
| 1 | * | 48090100000 | 5RANGE SWITCH ASM. | 1 | |
| 2 | | 48090200000 | SCREW | (4) | M3 L=6 |
| 3 | | 48090300000 | SWITCH COVER | (1) | |
| 4 | | 48090400000 | SWITCH CIRCUIT FITTING BASE | (1) | |
| 5 | * | 48090500000 | 5RANGE SWITCH SUB(A) ASM. | (1) | |
| 6 | | 48090600000 | KEY TOP A | (1) | |
| 7 | | 48090700000 | KEY TOP B | (1) | |
| 8 | | 48090800000 | KEY TOP C | (1) | |
| 9 | | 48090900000 | KEY TOP D | (1) | |
| 10 | | 48091000000 | KEY TOP F | (1) | |
| 11 | | 48091100000 | SPACER | (4) | |
| 12 | | 48091200000 | NUT | (3) | M3X0.5 |
| 13 | | 39-1830 | SCREW | 2 | SM11/64(4.37)X40 L=7.8 |
| 14 | * | 48091400000 | AIR APPARATUS(A) ASM | 1 | |
| 15 | | 39-1402 | WIRE MARK(1) | (2) | |
| 16 | * | 48091600000 | ELECTROMAGNETIC VALVE(A) ASM | (1) | |
| 17 | | 48091700000 | ELECTROMAGNETIC VALVE A | (1) | |
| 18 | | 39-1405 | ELBOW B | (1) | |
| 19 | | 48091900000 | INSULATION TUBE | (0.25) | |
| 20 | * | 48092000000 | TERMINAL, FEMALE | (3) | |
| 21 | * | 48092100000 | 10P CONNECTOR | (1) | |
| 22 | | 39-1411 | TUBE | (2) | |
| 23 | | 39-1434 | WIRE MRK(4) | (2) | |
| 24 | | 39-1435 | SCREW | 4 | D=4.1 L=50 |
| 25 | | 39-1435 | SCREW | 4 | D=4.1 L=50 |
| 26 | | 39-1420 | WOOD SCREW | 2 | D=4.8 L=25 |
| 27 | | 39-1414 | FILTER REGULATOR ASM. | 1 | |
| 28 | | 39-1415 | FILTER REGULATOR | (1) | |
| 29 | | 39-1416 | REGULATOR FITTING PLATE | (1) | |
| 30 | | 39-1417 | NIPPLE | (1) | |
| 31 | | 39-1418 | ELBOW | (1) | |
| 32 | | 39-1411 | TUBE | (1) | |
| 33 | * | 48093300000 | AIR APPARATUS(C) ASM. | 1 | |
| 34 | * | 48093400000 | ELECTROMAGNETIC VALVE(C) ASM. | (1) | |
| 35 | * | 48092100000 | 10P CONNECTOR | (1) | |
| 36 | | 39-1423 | ELECTROMAGNETIC VALVE C | (1) | |
| 37 | | 39-1405 | ELBOW B | (1) | |
| 38 | | 39-1425 | INSULATION TUBE | (1) | |
| 39 | * | 48092000000 | TERMINAL, FEMALE | (5) | |
| 40 | | 39-1412 | WIRE MARK(2) | (2) | |
| 41 | | 39-1413 | WIRE MARK(3) | (2) | |
| 42 | | 39-1434 | WIRE MARK(4) | (2) | |
| 43 | | 39-1411 | TUBE | (4) | |
| 44 | | 39-1402 | WIRE MARK(1) | (2) | |

10.THREAD RELEASE COMPONENTS(FOR 1342-7)



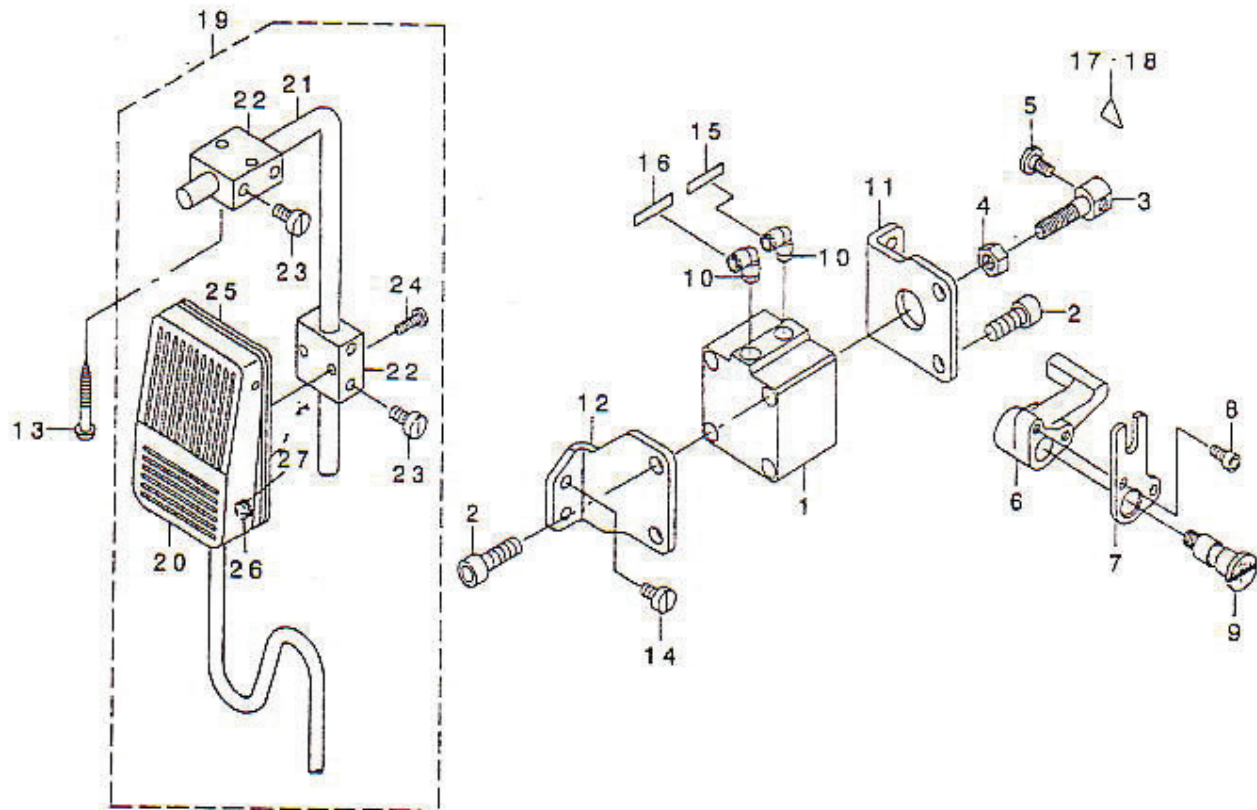
| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|-------------|--------------------------|-----|------------------------|
| 1 | | 39-1001 | SOLENOID FITTING PLATE | 1 | |
| 2 | | 23-0315 | SCREW | 3 | SM11/64(4.37)X40 L=8.5 |
| 3 | | 39-1003 | TENSION RELEASE SOLENOID | 1 | |
| 4 | | 39-1004 | SCREW | 2 | SM11/64(4.37)X40 L=4.8 |
| 5 | | 39-1005 | WASHER | 1 | 3.7X8X1 |
| 6 | | 39-0760 | PIN CONTACT | 2 | |
| 7 | | 39-1007 | TENSION RELEASE ROD | 1 | |
| 8 | | 39-1008 | COUPLING | 1 | |
| 9 | | 39-1009 | NUT | 1 | M4X0.7 |
| 10 | | 39-1009 | NUT | 1 | M4X0.7 |
| 11 | | 39-1011 | NUT | 1 | M4 |
| 12 | | 39-1012 | WASHER | 1 | 5X13X1 |
| 13 | | 48101300000 | WASHER | 1 | 4.8X11.5X2 |

11.DL DEVICE COMPONENTS(FOR 1342-7)



| REF NO | NOTE | PART NO | DESCRIPTION | Qty | REMARK |
|--------|------|-------------|------------------------------|-----|-----------------------|
| 1 | | 48110100000 | JIG CYLINDER | 1 | |
| 2 | | 48110200000 | SCREW | 2 | |
| 3 | | 48110300000 | CYLYNDER CONNECTING SCREW | 1 | |
| 4 | | 48110400000 | NUT | 1 | MB |
| 5 | | 48110500000 | MUTUAL VERTICAL LINK | 1 | |
| 6 | | 48110600000 | HINGE SCREW | 1 | |
| 7 | | 48110700000 | SHOULDER SCREW | 1 | D=6 H=4.5 |
| 8 | | 48110800000 | MUTUAL VERTICAL LINK SPASER | 1 | |
| 9 | | 23-0537 | SCREW | 2 | SM11/64(4.37)X40 L=16 |
| 10 | | 48111000000 | MUTUAL VERTICAL LINK SUPPORT | 1 | |
| 11 | | 23-0105 | SCREW | 2 | SM11/64(4.37)X40 L=8 |
| 12 | | 48111200000 | ELBOW | 1 | |
| 13 | | 39-0812 | MUFFLER | 1 | |
| 14 | | 39-1434 | WIRE MARK(4) | 1 | |

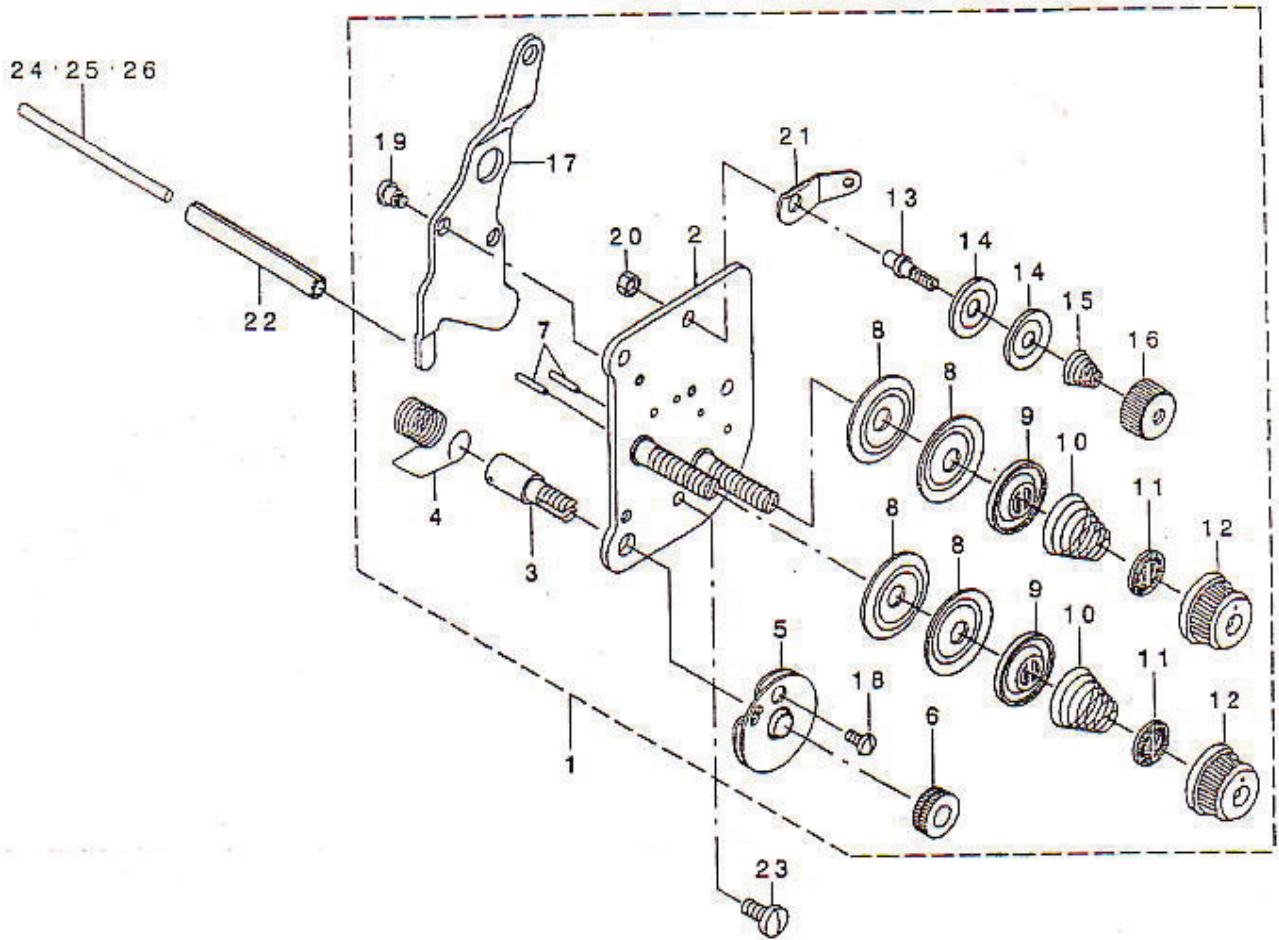
12.AUTOMATIC HAND LIFTER(OPTION) COMPONENTS(FOR 1342-7)



| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|-------------|---------------------------|-----|-------------------------|
| 1 | | 39-1301 | AIR CYLINDER | 1 | |
| 2 | | 39-1302 | SCREW | 4 | M8 L=20 |
| 3 | | 39-1303 | CYLINDER CONNECTING SCREW | 1 | |
| 4 | | 39-1304 | NUT | 1 | M8 |
| 5 | | 39-1305 | HINGE SCREW | 1 | D=7.24 H=3.3 |
| 6 | | 39-1306 | LEVER A | 1 | |
| 7 | | 39-1307 | LEVER B | 1 | |
| 8 | | 39-1308 | SCREW | 2 | M5X0.8 L=10 |
| 9 | | 39-1309 | SHAFT | 1 | |
| 10 | | 39-1310 | ELBOW | 2 | |
| 11 | | 39-1311 | CYLINDER STAY(FRONT) | 1 | |
| 12 | | 39-1312 | CYLINDER STAY(REAR) | 1 | |
| 13 | | 48121300000 | WOOD SCREW | 2 | D=5.1 L=40 |
| 14 | | 39-1314 | SCREW | 4 | SM15/64(5.95)X28 L=10 |
| 15 | | 39-1412 | WIRE MARK(2) | 1 | |
| 16 | | 39-1413 | WIRE MARK(3) | 1 | |
| 17 | 01 | 48014300000 | LABEL(16) | 1 | |
| 18 | 02 | 48014400000 | ATTENTION SEAL | 1 | |
| 19 | * | 48121900000 | KNEE SWITCH ASM. | 1 | |
| 20 | * | 48122000000 | KNEE SWITCH ASM | (1) | |
| 21 | * | 48122100000 | DRIVING BAR, T002 | (1) | |
| 22 | * | 48122200000 | KNEE SWITCH SUPPORT BASE | (2) | |
| 23 | * | 48122300000 | SCREW | (4) | SM15/64(5.95)X28 L=11.5 |
| 24 | * | 23-0511 | SCREW | (2) | SM11/64(4.37)X40 L=14 |
| 25 | * | 48122500000 | KNEE SWITCH SUPPORT PLATE | (1) | |
| 26 | * | 23-0257 | SCREW | (4) | SM11/64(4.37)X40 L=7 |
| 27 | * | 48122700000 | WASHER | (4) | 4.8X8.4X0.8 |

NOTE 01.....FOR USE IN JAPAN
02.....EXCEPT USE IN JAPAN

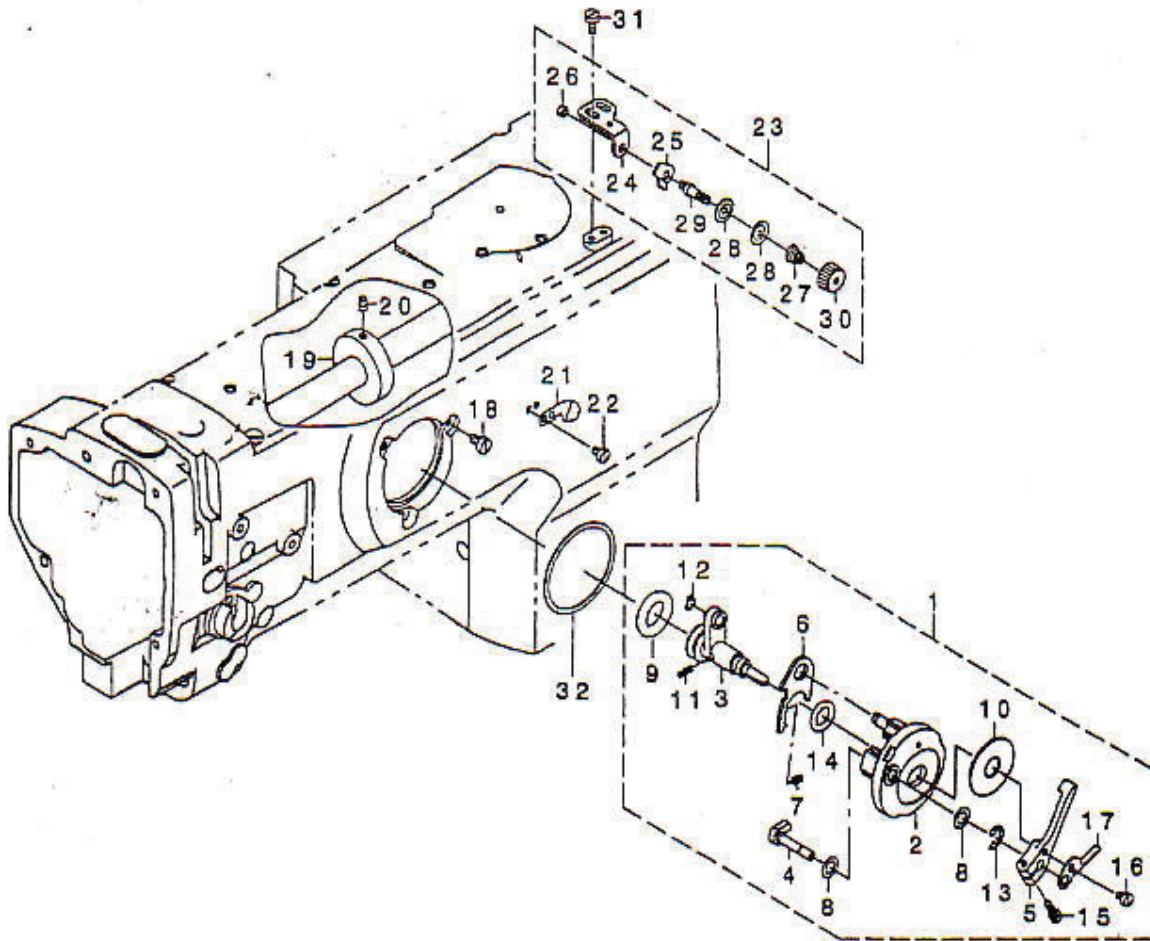
13.THREAD TENSION COMPONENTS



| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|----------|--------------------------------|-----|------------------------|
| 1 | | 25-0701 | THREAD TENSION ASM | 1 | |
| 2 | | 25-0702 | TENSION POST COMPL. | (1) | |
| 3 | | 25-0703 | SCREW STUD | (1) | |
| 4 | | 25-0704 | TENSION SPRING | (1) | |
| 5 | | 25-0705 | TAKE-UP SPRING GUIDE DISC ASM. | (1) | |
| 6 | | 23-0932 | THREAD TENSION NUT | (1) | |
| 7 | | 25-0707 | TENSION RELEASE PIN, A | (2) | |
| 8 | | 25-0708 | THREAD TENSION DISK | (4) | |
| 9 | | 25-0709 | THREAD TENSION DISK PRESSER | (2) | |
| 10 | | 25-0710 | TENSION SPRING (1 2) | (2) | |
| 11 | | 23-0918 | ROTATING STOPPER | (2) | |
| 12 | | 25-0712 | THREAD TENSION KNOB, BLUE | (2) | |
| 13 | | 23-0910 | THREAD TENSION POST, A | (1) | |
| 14 | | 25-0714 | FIRST THREAD TENSION PLATE | (2) | |
| 15 | | 25-0715 | THREAD TENSION SPRING | (1) | |
| 16 | | 23-0913 | THREAD TENSION NUT | (1) | |
| 17 | | 23-0905 | TENSION RELEASE PLATE | (1) | |
| 18 | | 25-0718 | SCREW | (1) | SM1/8(3 18)X44 L=6.4 |
| 19 | | 23-0906 | HINGE SCREW | (2) | D=4.7 H=2.8 |
| 20 | | 23-0909 | NUT | (1) | SM11/64(4.37)X40 |
| 21 | | 25-0721 | THREAD GUIDE | (1) | |
| 22 | | 23-0937 | SPRING PIN | 1 | |
| 23 | | 23-0315 | SCREW | 2 | SM11/64(4 37)X40 L=8.5 |
| 24 | | 23-0934 | TENSION RELEASE BAR | 1 | |
| 25 | 01 | 23-0935 | TENSION RELEASE BAR | 1 | |
| 26 | 01 | 23-0936 | TENSION RELEASE BAR | 1 | |

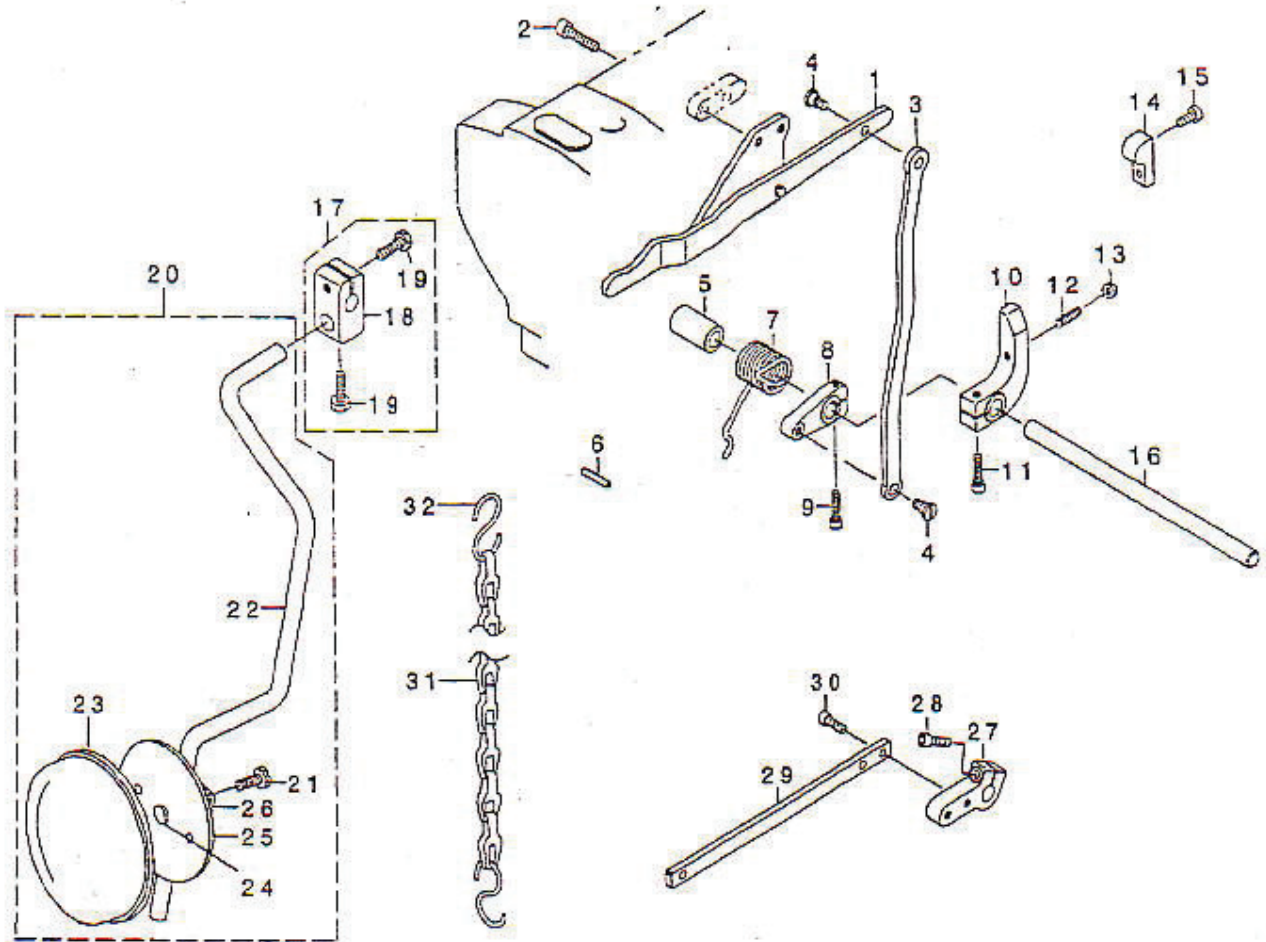
NOTE 01.....SELECTIVE PARTS

14.LOWER THREAD WINDER MECHANISM COMPONENTS



| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|----------|-----------------------------|-----|------------------------|
| 1 | | 23-1201 | BOBBIN DEVICE ASM | 1 | |
| 2 | | 23-1202 | BOBBIN FITTING BASIS COMPL. | (1) | |
| 3 | | 23-1203 | BOBBIN SHAFT COMPL. | (1) | |
| 4 | | 23-1204 | BOBBIN CAN SHAFT COMPL. | (1) | |
| 5 | | 23-1205 | BOBBIN LEVER | (1) | |
| 6 | | 23-1206 | ADJUSTING PLATE | (1) | |
| 7 | | 23-1207 | PRESSUR FOOT SPRING | (1) | |
| 8 | | 23-1208 | VERTICAL ROLLER WASHER | (2) | |
| 9 | | 23-1209 | BOBBIN FRICTION GEAR | (1) | |
| 10 | | 23-1210 | CUSHION | (1) | |
| 11 | | 23-1211 | SPRING | (1) | |
| 12 | | 23-1212 | RETAINING RING | (1) | |
| 13 | | 23-1213 | E-RING | (1) | E5 |
| 14 | | 23-1214 | RUBBER RING | (1) | |
| 15 | | 23-1215 | SCREW | (1) | SM9/64(3.57)X40 L=13.5 |
| 16 | | 23-1216 | SCREW | (1) | SM9/64(3.57)X40 L=5 |
| 17 | | 23-1217 | BOBBIN ADJUSTING PLATE | (1) | |
| 18 | | 23-1218 | SCREW | 3 | SM11/64(4.37)X40 L=8 |
| 19 | | 23-1219 | BOBBIN FRICTION WHEEL | 1 | |
| 20 | | 23-1220 | SCREW | 2 | M5X0.8 L=6 |
| 21 | | 23-1221 | THREAD CUTTER | 1 | |
| 22 | | 23-1222 | SCREW | 1 | |
| 23 | | 23-1223 | LOWER THREAD GUIDE ASM. | 1 | |
| 24 | | 23-1224 | FITTING BASE | (1) | |
| 25 | | 23-1225 | THREAD GUIDE | (1) | |
| 26 | | 23-1226 | NUT | (1) | SM11/64(4.37)X40 |
| 27 | | 23-1227 | TENSION SPRING NO.1 | (1) | |
| 28 | | 23-1228 | BOBBIN WINDER TENSION DISC | (2) | |
| 29 | | 23-1229 | THREAD TENSION POST | (1) | |
| 30 | | 23-1230 | THREAD TENSION NUT | (1) | |
| 31 | | 23-1231 | SCREW | 2 | |
| 32 | | 23-1232 | PACKING | 1 | |

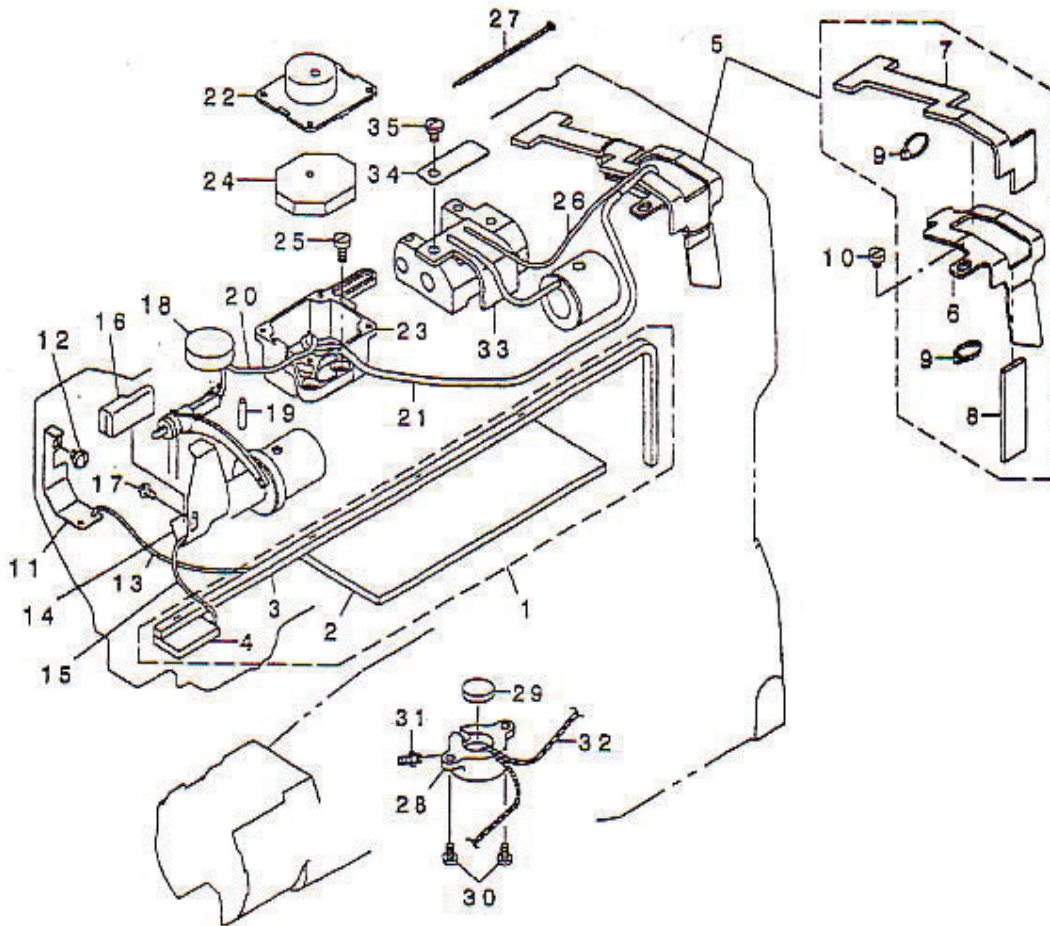
15.KNEE LIFTER COMPONENTS



| REF NO. | NOTE | PART NO | DESCRIPTION | Qty | REMARK |
|---------|------|---------|-----------------------------|-----|--------------------------|
| 1 | | 36-0901 | KNEE LIFTER LEVER ASM. | 1 | |
| 2 | | 23-1122 | SCREW | 2 | M6 L=25 |
| 3 | | 36-0903 | NEE LIFTER CONNECTING PLATE | 1 | |
| 4 | | 36-0904 | HINGE SCREW | 2 | D=7.94 H=4.5 |
| 5 | | 36-0905 | NEE LIFTER CONNECTING PLATE | 1 | |
| 6 | | 36-0906 | SPRING PIN | 1 | |
| 7 | | 36-0907 | KNEE LIFTER SPRING | 1 | |
| 8 | | 36-0908 | KNEE LIFTER ARM | 1 | |
| 9 | | 36-0909 | SCREW | 1 | M5X0.8 L=20 |
| 10 | | 36-0910 | KNEE LIFTER STOPPER ARM | 1 | |
| 11 | | 36-0909 | SCREW | 1 | M5X0.8 L=20 |
| 12 | | 23-1115 | SCREW | 1 | M5X0.8 L=25 |
| 13 | | 23-1118 | NUT | 1 | M5X0.8 |
| 14 | | 36-0914 | STOPPER ARM | 1 | |
| 15 | | 36-0915 | SCREW | 2 | SM3/16 (4.76) X28 L=12 |
| 16 | | 36-0916 | KNEE LIFTER SHAFT | 1 | |
| 17 | | 23-1127 | BRACKET ASM. | 1 | |
| 18 | | 23-1128 | BRACKET | (1) | |
| 19 | | 23-1129 | SCREW | (2) | |
| 20 | | 36-0920 | KNEE PRESS PLATE ASM. | 1 | |
| 21 | | 23-1131 | SCREW | (1) | M6 L=12 |
| 22 | | 36-0922 | KNEE PRESS LEVER | (1) | |
| 23 | | 23-1133 | KNEE PAD PLATE COVER | (1) | |
| 24 | | 23-1134 | KNEE PAD PLATE RUBBER | (1) | |
| 25 | | 23-1135 | KNEE PAD PLATE | (1) | |
| 26 | | 23-1136 | KNEE PAD PLATE SUPPORT | (1) | |
| 27 | 01 | 36-0927 | PRESSER LIFTER ARM | 1 | |
| 28 | 01 | 36-0928 | SCREW | 1 | M5X0.8 L=16 |
| 29 | 01 | 36-0929 | PRESSER LIFTER PLATE | 1 | |
| 30 | 01 | 36-0930 | SCREW | 2 | M5X0.8 L=15 |
| 31 | 01 | 36-0931 | CHAIN | 1 | |
| 32 | 01 | 36-0932 | S SHAPED HOOK | 2 | |

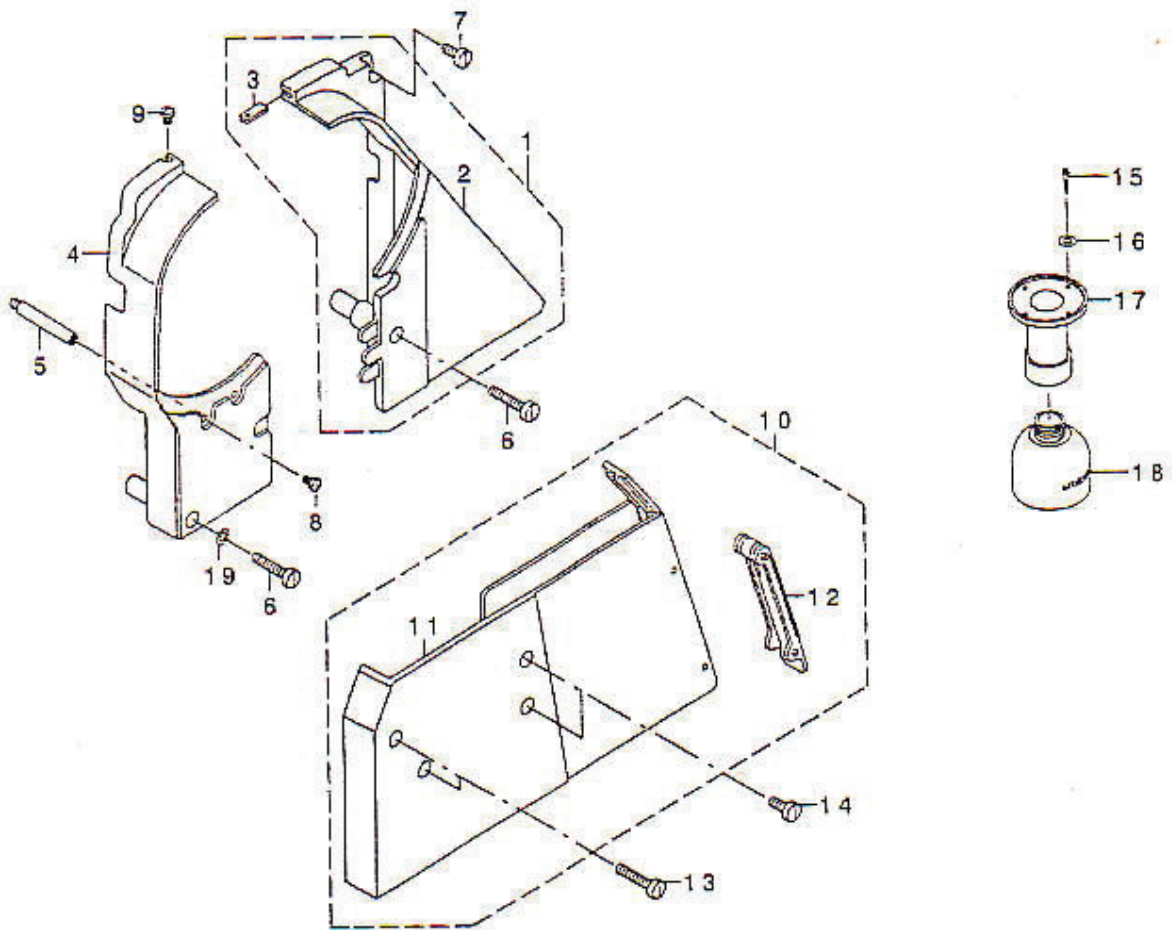
NOTE 01.....OPTIONAL PARTS

16. LUBRICATION COMPONENTS



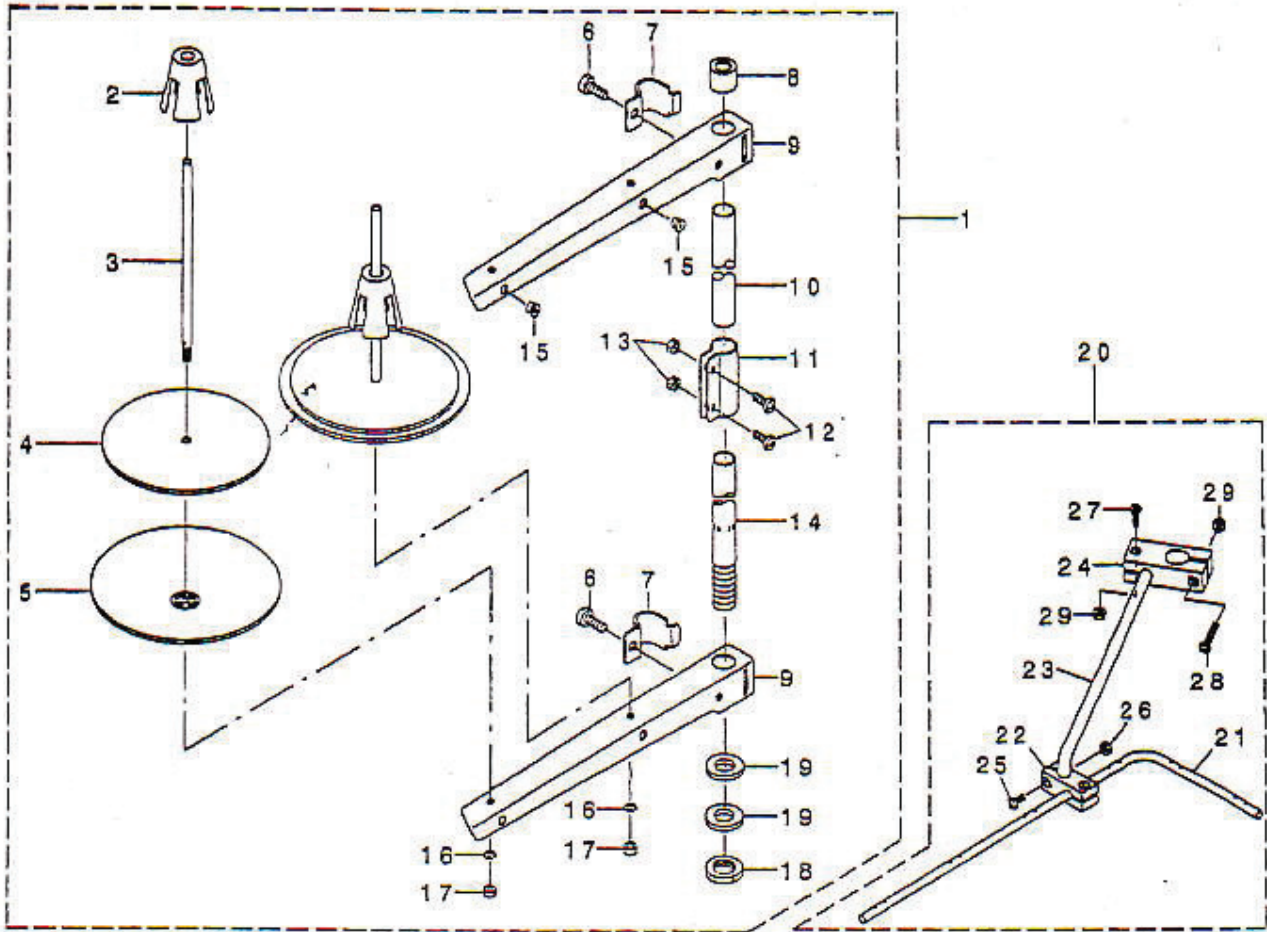
| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|----------|--------------------------------|------|----------------------------|
| 1 | | 23-1501 | ARM ONCE THROUGH OIL FELT ASM. | 1 | |
| 2 | | 23-1502 | ARM ONCE THROUGH FELT A | (1) | |
| 3 | | 23-1503 | FELT B | (1) | |
| 4 | | 23-1504 | FACE ONCE THROUGH FELT | (1) | |
| 5 | | 23-1505 | FELT SUPPORT ASM. | 1 | |
| 6 | | 23-1506 | FELT | (1) | |
| 7 | | 23-1507 | FEED CHANGE FELT | (1) | |
| 8 | | 23-1508 | FELT | (1) | |
| 9 | | 23-1509 | CLIP | (2) | |
| 10 | | 23-1510 | SCREW | 1 | CV-70S |
| 11 | | 23-1511 | UPPER FEED OIL BAR PLATE | 1 | SM11/64 (4.37) X40 L=4.3 |
| 12 | | 23-0420 | SCREW | 1 | SM11/64 (4.37) X40 L=5 |
| 13 | | 23-1513 | OIL WICK | 0.2 | |
| 14 | | 23-1514 | TAKE-UP OIL PLATE | 1 | |
| 15 | | 23-1515 | OIL WICK | 0.2 | |
| 16 | | 23-1516 | TAKE-UP LUBRICATION FELT | 1 | |
| 17 | | 23-1517 | SCREW | 1 | SM9/64 (3.57) X40 L=6 |
| 18 | | 23-1518 | FELT | 1 | |
| 19 | | 23-1519 | FELT | 1 | |
| 20 | | 25-1120 | OIL WICK | 0.3 | |
| 21 | | 25-1121 | OIL TUBE | 0.25 | |
| 22 | | 25-1122 | OIL TANK A | 1 | |
| 23 | | 25-1123 | OIL TANK B | 1 | |
| 24 | | 25-1124 | FELT | 2 | |
| 25 | | 23-1528 | SCREW | 2 | SM11/64 (4.37) X40 L=9.5 |
| 26 | | 23-1513 | OIL WICK | 0.15 | |
| 27 | | 23-1509 | CLIP | 1 | CV-70S |
| 28 | | 36-1033 | OIL TANK | 1 | |
| 29 | | 36-1034 | OIL FELT | 1 | |
| 30 | | 23-0257 | SCREW | 2 | SM11/64 (4.37) X40 L=7 |
| 31 | | 23-1539 | CONNECTING SCREW | 1 | |
| 32 | | 36-1037 | OIL WICK | 0.4 | |
| 33 | | 39-1630 | MUTUAL VERTICAL CHANGE FELT | 1 | |
| 34 | | 39-1529 | LUBRICATION FELT PRESSER | 1 | |
| 35 | | 23-0255 | SCREW | 1 | SM3/16 (4.76) X28 L=7 |

17. BELT COVER AND OIL RESERVOIR COMPONENTS



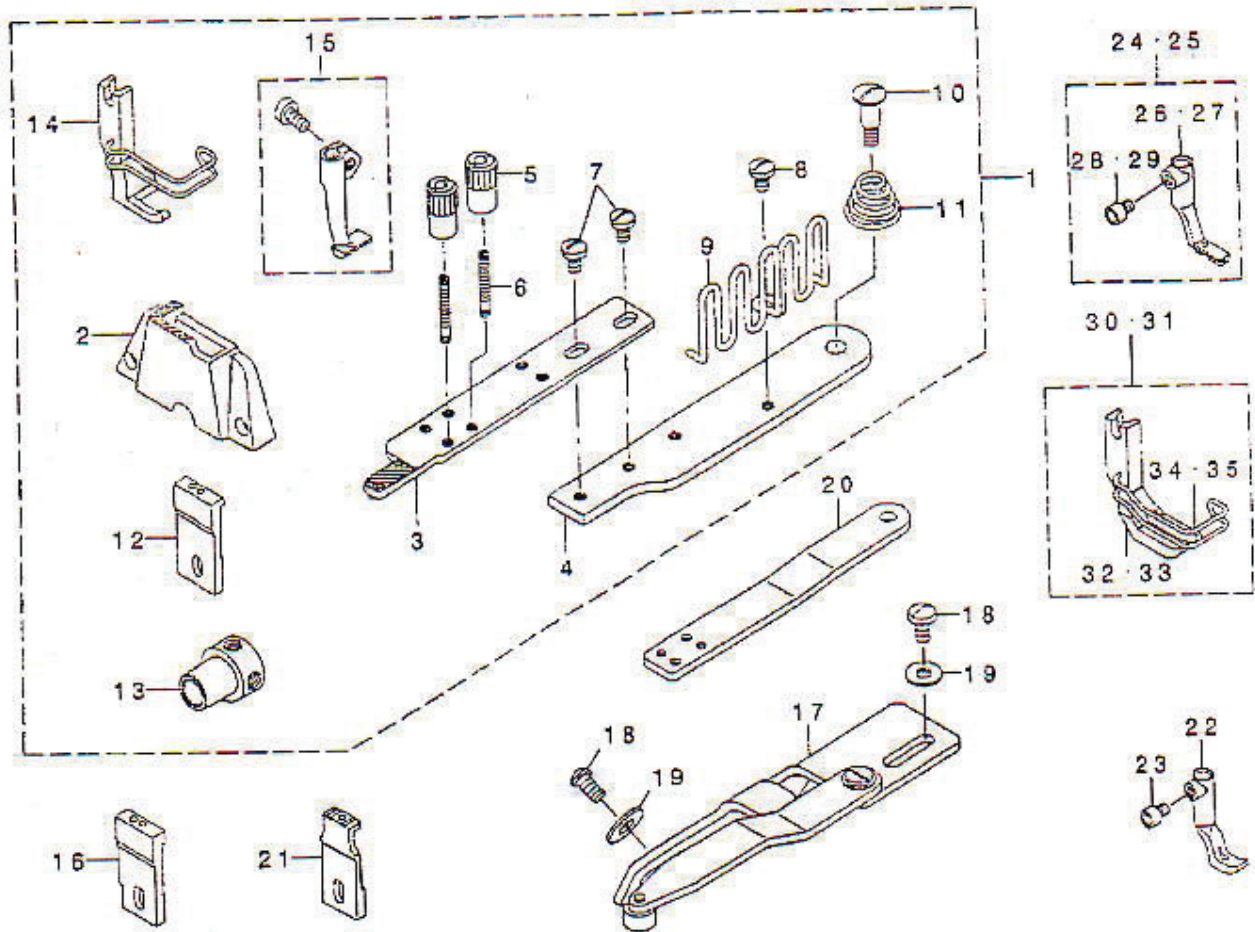
| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|-------------|----------------------------|-----|------------------------|
| 1 | | 23-2017 | BELT COVER ASM (RIGHT) | 1 | |
| 2 | | 23-2018 | BELT COVER(RIGHT) | (1) | |
| 3 | | 23-2019 | BELT COVER AUXILIARY PLATE | (1) | |
| 4 | | 23-2020 | BELT COVER(LEFT) | 1 | |
| 5 | | 23-2021 | BELT COVER SUPPORT A | 1 | |
| 6 | | 23-2022 | SCREW | 2 | SM15/64(5.95)X28 L=30 |
| 7 | | 23-2002 | SCREW | 1 | SM15/64(5.95)X28 L=14 |
| 8 | | 23-2003 | SCREW | 1 | SM11/64(4.37)X40 L=7.8 |
| 9 | | 23-2004 | SCREW | 1 | SM11/64(4.37)X40 L=6.5 |
| 10 | | 36-1110 | BELT COVER ASM., LOWER | 1 | |
| 11 | | 36-1111 | BELT COVER LOWER | (1) | |
| 12 | | 36-1112 | BELT COVER COVER | (1) | |
| 13 | | 23-2022 | SCREW | 2 | SM15/64(5.95)X28 L=30 |
| 14 | | 23-2002 | SCREW | 2 | SM15/64(5.95)X28 L=14 |
| 15 | | 23-2013 | WOOD SCREW | 4 | D=2.4 L=16 |
| 16 | | 23-2012 | WASHER | 4 | M3 |
| 17 | | 23-2005 | OIL MANAGEMENT | 1 | |
| 18 | | 48171800000 | OIL POT | 1 | |
| 19 | | 36-1119 | WASHER | 1 | 6.1X11X2 |

18.THREAD STAND COMPONENTS



| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|----------|---------------------------|-----|-------------|
| 1 | | 36-1301 | THREAD STAND ASM. | 1 | |
| 2 | | 23-1608 | SPOOL RETAINER | (2) | |
| 3 | | 23-1609 | SPOOL PIN | (2) | |
| 4 | | 23-1610 | SPOOL REST CUSHION | (2) | |
| 5 | | 23-1611 | SPOOL REST | (2) | |
| 6 | | 23-1612 | SCREW | (2) | M6 L=15 |
| 7 | | 23-1603 | THREAD GUIDE ARM JOINT | (2) | |
| 8 | | 23-1604 | SPOOL REST ROD RUBBER CAP | (1) | |
| 9 | | 23-1602 | SPOOL REST ARM | (2) | |
| 10 | | 23-1605 | SPOOL REST ROD, UPPER | (1) | |
| 11 | | 23-1606 | SPOOL REST ROD JOINT | (1) | |
| 12 | | 23-1613 | SCREW | (2) | M5 L=14 |
| 13 | | 23-1614 | NUT | (2) | M5 |
| 14 | | 23-1607 | SPOOL REST ROD, LOWER | (1) | |
| 15 | | 36-1315 | THREAD GUIDE | (2) | |
| 16 | | 23-1619 | SPRING WASHER | (2) | 5.1X9.2X1.3 |
| 17 | | 23-1618 | NUT | (2) | M5 |
| 18 | | 23-1617 | NUT | (1) | M16X1.5 |
| 19 | | 36-1319 | WASHER | (2) | 17X30X2.6 |
| 20 | | 39-1621 | THREAD GUIDE ARM ASM. | 1 | |
| 21 | | 39-1622 | THREAD GUIDE ARM | (1) | |
| 22 | | 39-1623 | THREAD GUIDE BASE, LOWER | (1) | |
| 23 | | 39-1624 | THREAD GUIDE ARM | (1) | |
| 24 | | 39-1625 | THREAD GUIDE ARM BASE | (1) | |
| 25 | | 39-1626 | NUT | (2) | M4X0.7 |
| 26 | | 39-1627 | SCREW | (2) | M4 L=12 |
| 27 | | 39-1628 | SCREW | (1) | M4X0.7 L=20 |
| 28 | | 39-1629 | NUT | (1) | M4X0.7 |
| 29 | | 39-1627 | NUT | (2) | M4X0.7 |

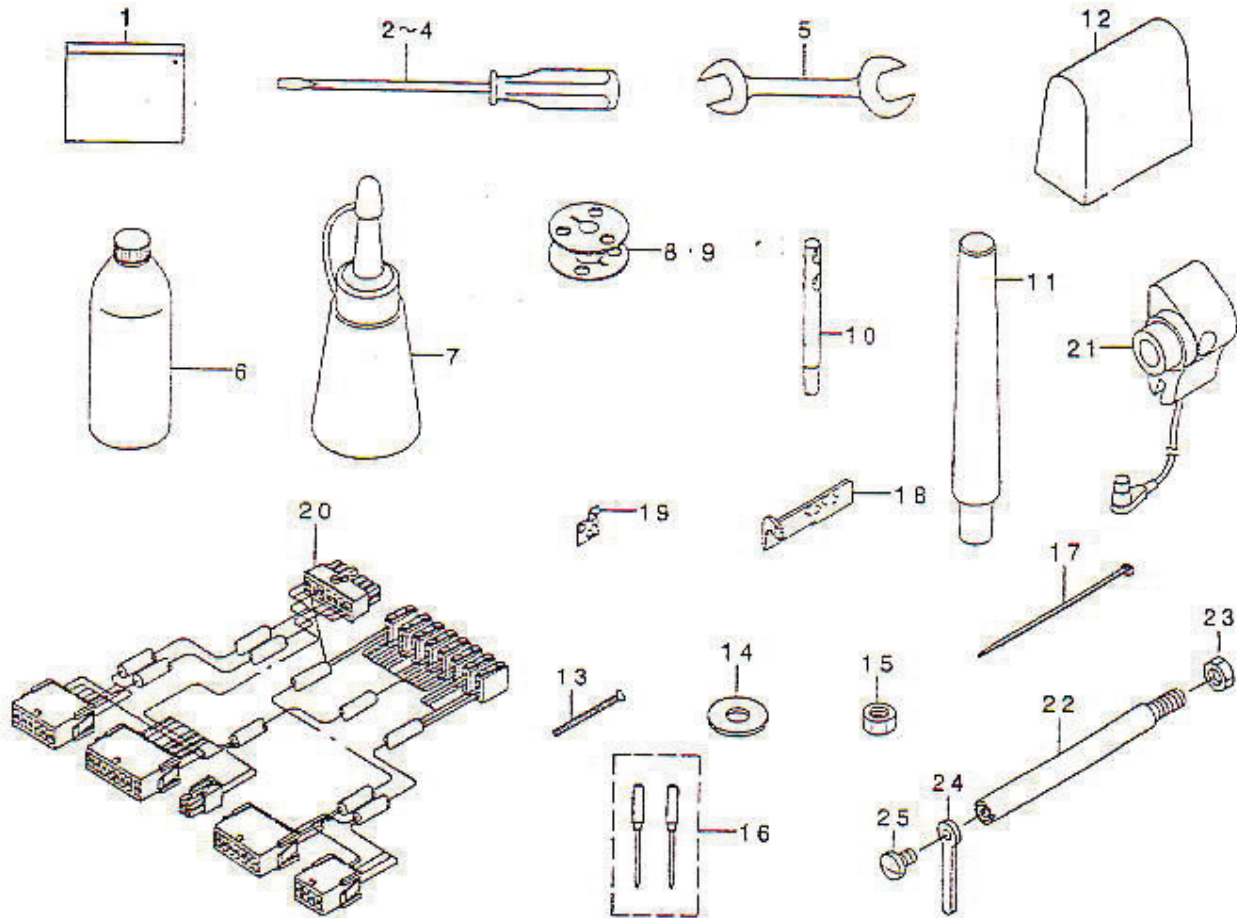
19.OPTION AND GAUGE COMPONENTS



| REF NO. | NOTE | PART NO. | DESCRIPTION | Qty | REMARK |
|---------|------|-------------|--------------------------------|-----|--------------------------|
| 1 | 01 | 48190100000 | LS-1342 BINDER SET | 1 | |
| 2 | | 48190200000 | THROAT PLATE | (1) | |
| 3 | | 48190300000 | FEED PLATE A ASM. | (1) | |
| 4 | | 48190400000 | FEED PLATE B | (1) | |
| 5 | | 48190500000 | BINDER LOCK NUT | (2) | |
| 6 | | 48190600000 | BINDER SETSCREW | (2) | |
| 7 | | 23-0420 | SCREW | (1) | SM11/64 (4 37) X40 L=5 |
| 8 | | 23-0420 | SCREW | (1) | SM11/64 (4 37) X40 L=5 |
| 9 | | 48190900000 | TAPE GUIDE | (1) | |
| 10 | | 48191000000 | HINGE SCREW D=7.24 H=11.1 | (1) | D=7.24 H=11.1 |
| 11 | | 48191100000 | SPRING | (1) | |
| 12 | | 48191200000 | FEED | (1) | |
| 13 | | 48191300000 | VERTICAL FEE CAM | (1) | |
| 14 | | 48191400000 | PRESSER FOOT ASM. | (1) | |
| 15 | | 48191500000 | PRESSER FOOT ASM. | (1) | |
| 16 | 01 | 48191600000 | FEED | 1 | |
| 17 | | 48191700000 | EDGE GUIDE ASM. | 1 | |
| 18 | | 48191800000 | SCREW | 2 | 5.5X13 X 1 |
| 19 | | 48191900000 | WASHER | 2 | |
| 20 | | 48192000000 | FIXING BINDER FITTING PLATE. | 1 | |
| 21 | | 48192100000 | FEED DOG | 1 | |
| 22 | | 48192200000 | PRESSER FOOT | 1 | M4 L=4.5 |
| 23 | | 48192300000 | SCREW | 1 | |
| 24 | 02 | 48192400000 | INNER PRESSER 3/16 ASM. | 1 | |
| 25 | 02 | 48192500000 | WELDING INNER PRESSER 1/4 ASM. | 1 | |
| 26 | | 48192600000 | WELDING INNER PRESSER 3/16 | (1) | |
| 27 | | 48192700000 | WELDING INNER PRESSER 1/4 | (1) | M4 L=4.5 |
| 28 | | 48192800000 | SCREW | (1) | M4 L=4.5 |
| 29 | | 48192900000 | SCREW | (1) | M4 L=4.5 |
| 30 | 02 | 48193000000 | OUTER PRESSER 3/16 ASM. | 1 | |
| 31 | 02 | 48193100000 | WELDING OUTER PRESSER 1/4 ASM. | 1 | |
| 32 | | 48193200000 | WELDING OUTER PRESSER 3/16 | (1) | |
| 33 | | 48193300000 | WELDING OUTER PRESSER 1/4 | (1) | |
| 34 | | 48193400000 | FINGER GUARD | (1) | |
| 35 | | 48193500000 | FINGER GUARD | (1) | |

NOTE 01.....FOR 1342
02.....OPTIONAL PARTS

20.ACCESSORIES PARTS COMPONENTS



| REF NO | NOTE | PART NO | DESCRIPTION | Qty | REMARK |
|--------|------|-------------|------------------------------|-----|----------------------|
| 1 | | 5-0901 | ACCESSORY BOX | 1 | |
| 2 | | 5-0904 | SCREW DRIVER, LARGE | 1 | |
| 3 | | 5-0903 | SCREW DRIVER, MIDDLE | 1 | |
| 4 | | 5-0902 | SCREW DRIVER, SMALL | 1 | |
| 5 | | 23-2303 | WRENCH (9X10) | 1 | |
| 6 | | 23-2304 | NEW DEFRIX OIL NO 2 | 1 | 700cc |
| 7 | | 23-2305 | OILER | 1 | |
| 8 | 02 | 36-1608 | BOBBIN | 1 | |
| 9 | 01 | 48200900000 | ALUMINUM BOBBIN (DOUBLE-CUT) | 1 | |
| 10 | 02 | 36-1610 | NEEDLE THREAD GUIDE PIN | 1 | |
| 11 | | 36-1611 | FRAME SUPPORT BAR | 1 | |
| 12 | | 36-1612 | COVER | 1 | |
| 13 | | 36-1613 | BOLT | 4 | |
| 14 | | 36-1614 | WASHER | 4 | 7.5X19X1.5 |
| 15 | | 36-1615 | NUT | 4 | M6 |
| 16 | | 23-0313 | NEEDLE | 1 | SY3355 #160-2 |
| 17 | 01 | 23-0454 | CABLE BAND | 3 | |
| 18 | 01 | 48073800000 | FIXING KNIFE | 1 | |
| 19 | 01 | 48074000000 | CLAMP PLATE | 1 | |
| 20 | *01 | 48202000000 | RELAY CORD ASM | 1 | |
| 21 | *02 | 48202100000 | SYNCHRONIZER ASM | 1 | |
| 22 | 02 | 48202200000 | SYNCHRONIZER HOLDER STUD | 1 | |
| 23 | 02 | 48202300000 | NUT | 1 | SM15/64(5.95)X28 |
| 24 | 02 | 48202400000 | DETECTOR SUPPORT PLATE | 1 | |
| 25 | 02 | 23-0257 | SCREW | 1 | SM11/64(4.37)X40 L=7 |

NOTE 01.....FOR 1342-7
02.....FOR 1342