

GLOBAL

WF 1575 DD series

Instruction & parts manual

Always switch off the electricity when working on
the machine.

BEFORE OPERATION



CAUTION:

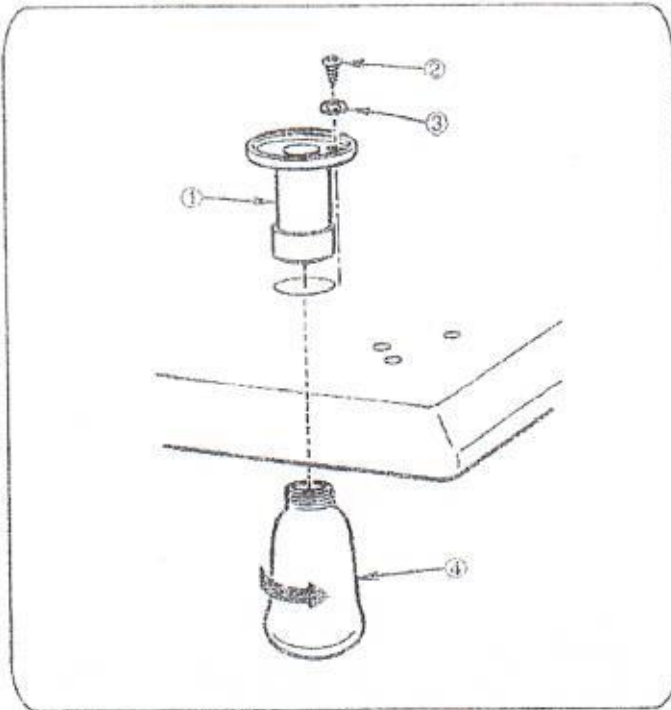
Check the following so as to prevent maloperation of and damage to the machine.

- 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

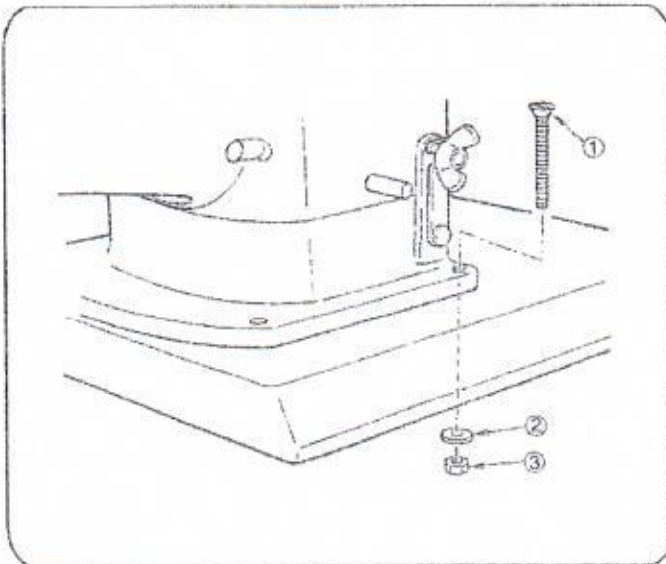
Model	1340	1341	1342	1342-7
Sewing speed	Max. 2,000 rpm		Max. 2,500 rpm	
Needle	SCHMETZ DP x 17 Nm 100 to 180(Standard 140)	SCHMETZ DP x 17 Nm 100 to 180 (Standard 160)	SCHMETZ DP x 17 Nm 100 to 180 (Standard 160)	SCHMETZ DP x 17 Nm 100 to 180 (Standard 160)
Thread possible to be used	#50 to #8	#40 to #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

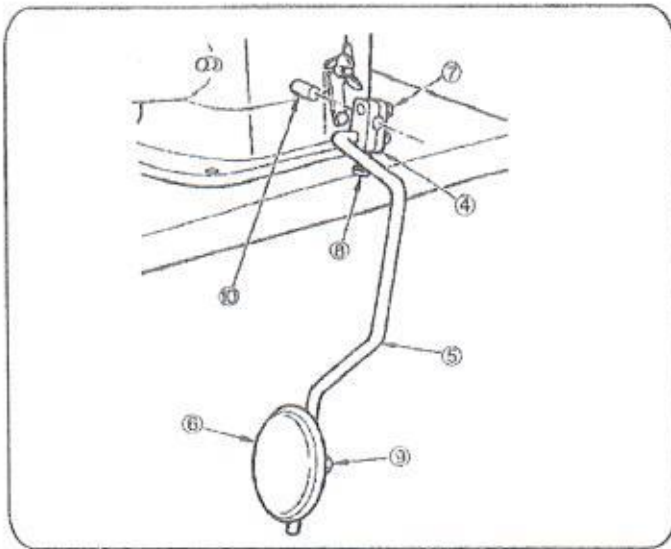


- 1) Attach oil extractor 1. onto the top surface of the machine table and fix it with setscrew 2. and washer 3.
- 2) After fixing oil extractor 1., screw drain container (4) in the oil extractor.

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.



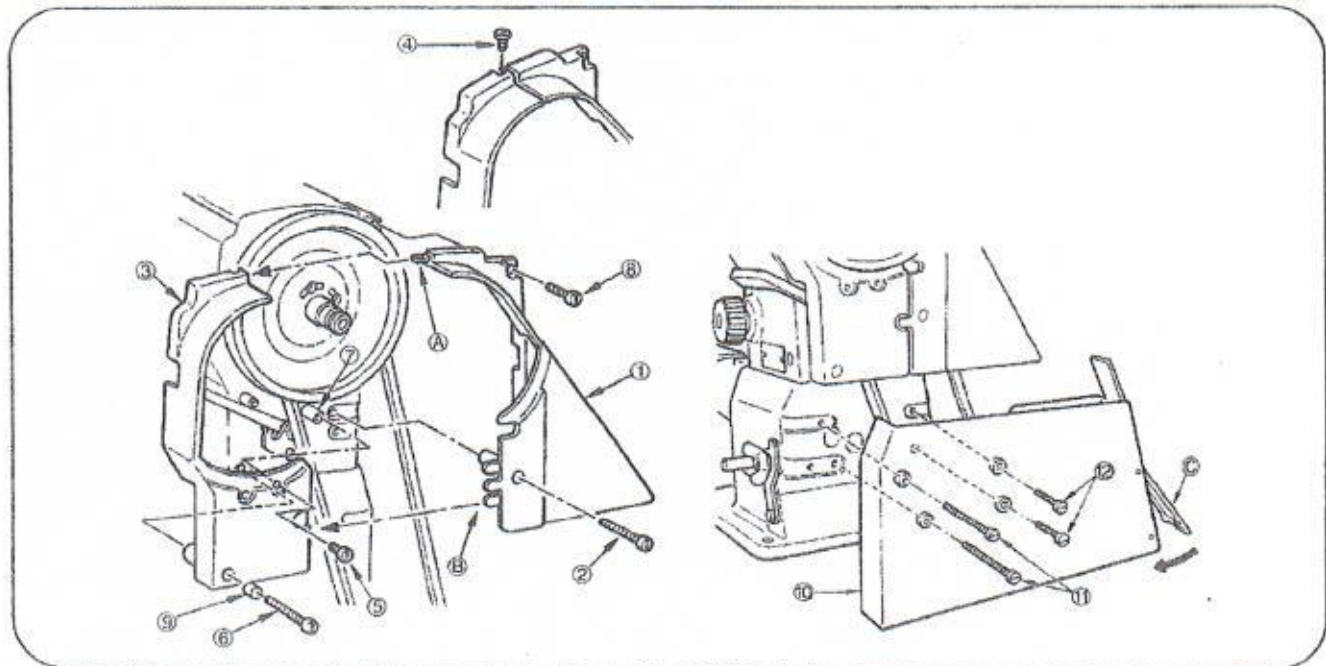
- 2) Attach knee lifter plate (5) and knee press plate cover (6) to knee lifter plate rod bracket (4).
- 3) Adjust the direction of the pad with setscrews (7), (8) and (9).
- 4) Attach knee lifter plate rod bracket (4) to knee lifter shaft (10).

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).



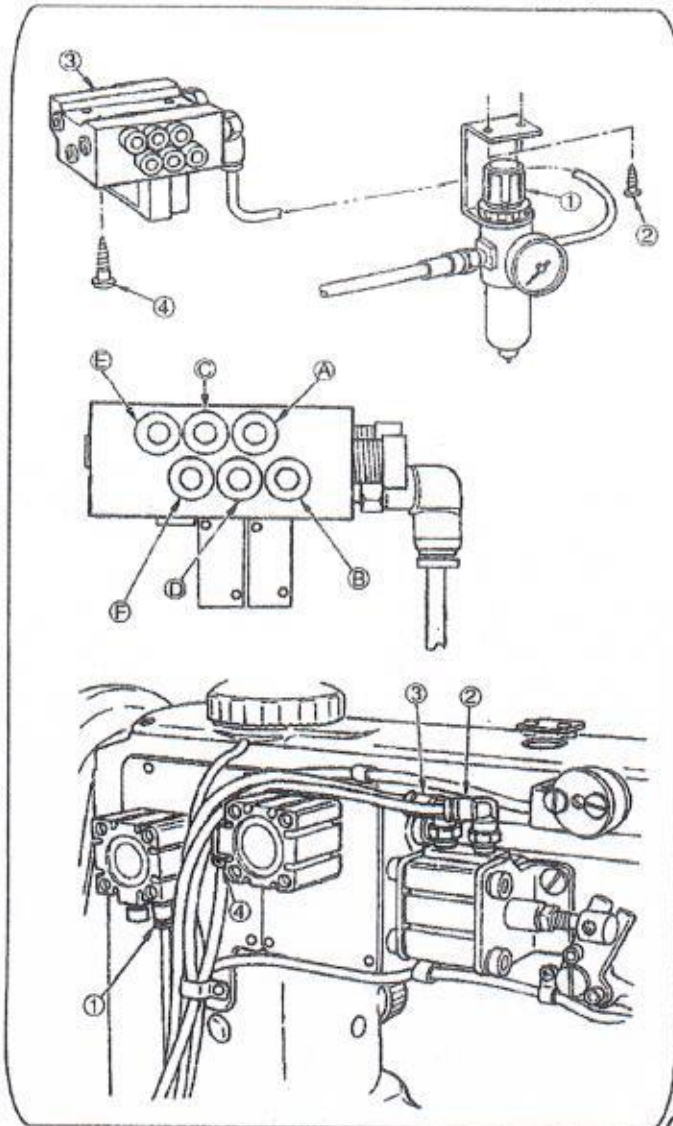
1. After attaching the belt cover, confirm whether or not the respective cords do not come in contact with the belt and the handwheel. Disconnection of the cords will result when they come in contact with one another.
2. When the machine head is raised from the state of being tilted, be sure to insert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

- 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

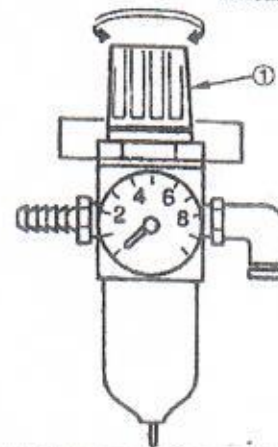
- 1) Attach regulator (asm) ① to the underside of the table with wood screws ② supplied with the regulator.
- 2) Attach air control unit (asm) ③ to the four places on the underside of the table with wood screws ④ supplied with the unit.
- 3) Adjust the number of the air hose to the number of the air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

Decrease

Increase

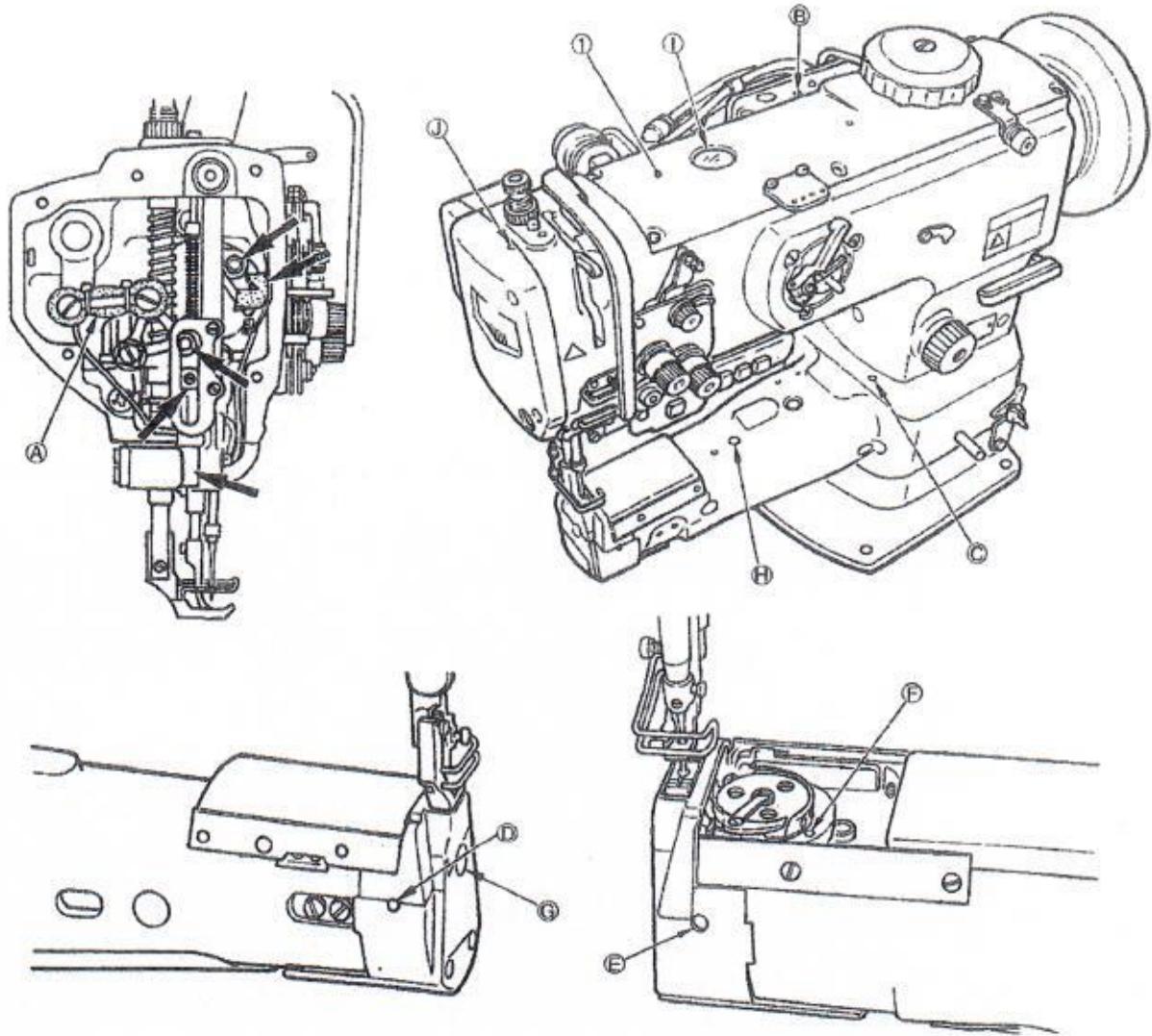


5. LUBRICATION



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 (C).
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).



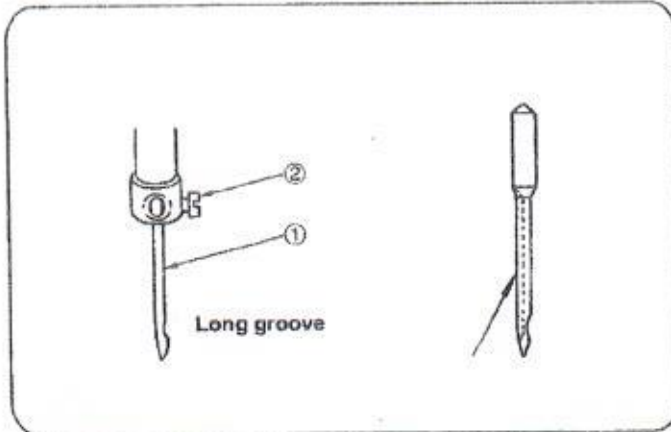
1. If oil is excessively applied to (D), (E), (F) and (G), oil may drop from the throat plate base cover. Periodically wipe out oil on the throat plate base cover.
2. If oil is excessively applied to the face plate section, oil may drop from the jaw section of the machine arm. So, be careful of the applying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

6. ATTACHING THE NEEDLE



WARNING:

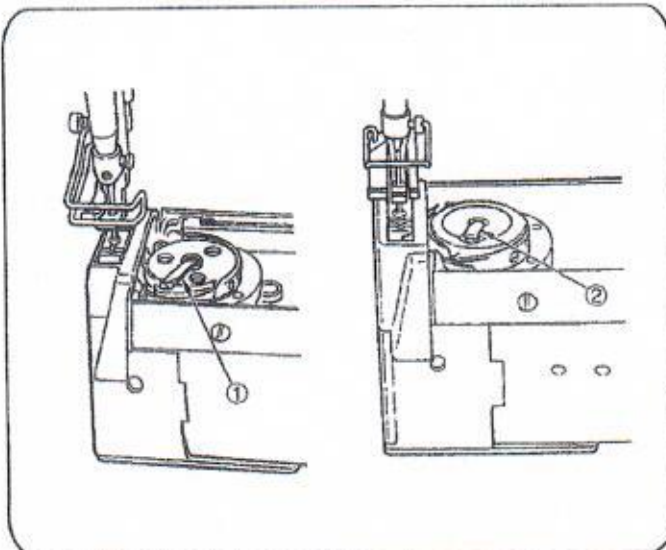
To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.



- 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.

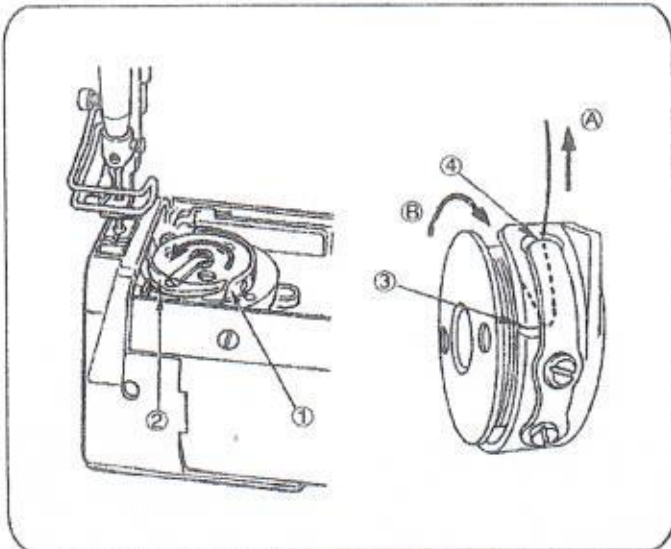
Do not make the machine run idle with the bobbin (bobbin thread). The bobbin thread is caught in the hook. As a result the hook may be damaged.

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

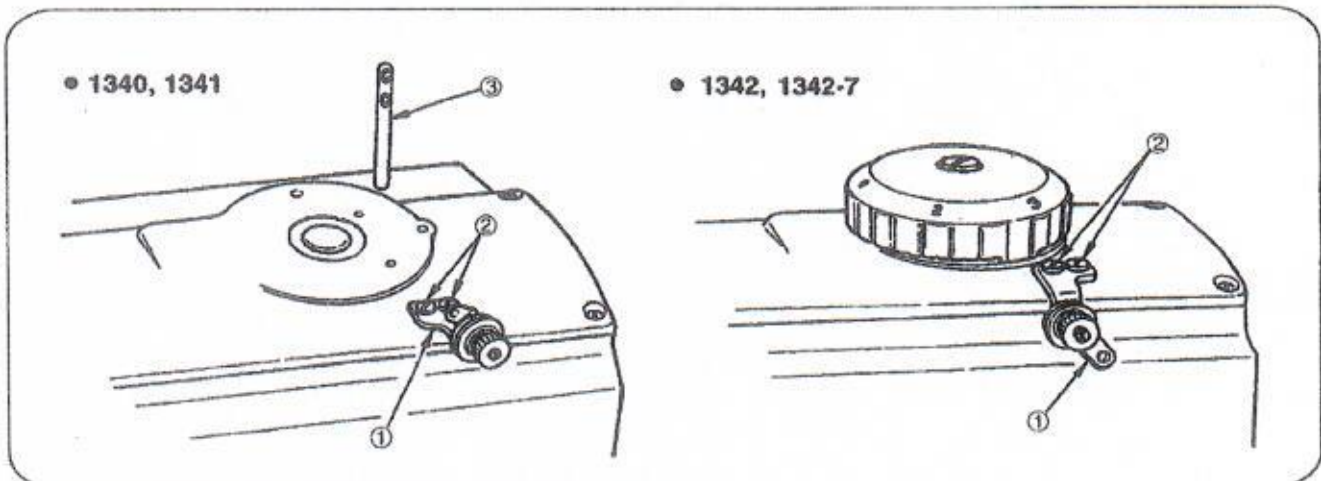
1) Hold a bobbin so that the end of the thread wound round the bobbin is directed to the right and put it into the bobbin case.

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.

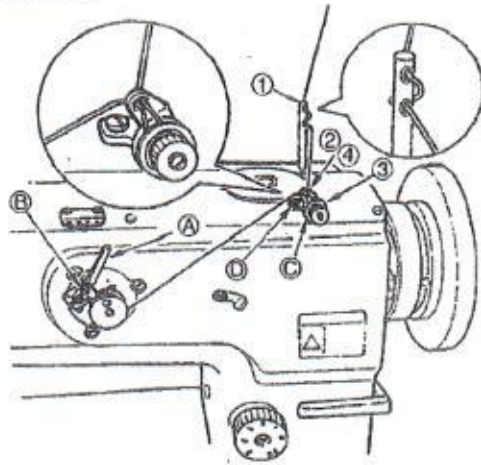
For the 1340, 1341, attach the thread guide so that it is facing to the upper left, and for the 1342, 1342-7, it is facing to the lower right.

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

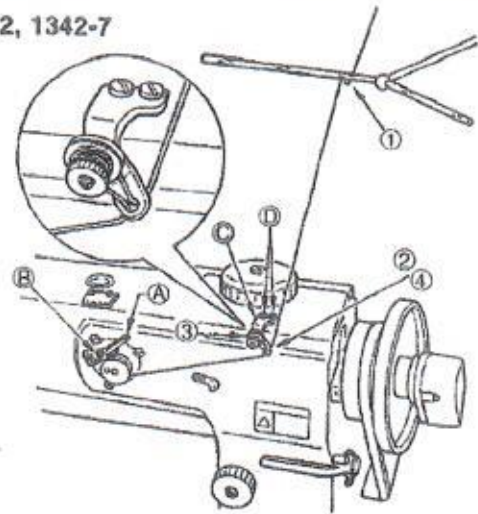
3) For the 1340, 1341, strike bobbin thread guide rod ③ into the machine arm.

10. WINDING A BOBBIN

• 1340, 1341



• 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 ②.

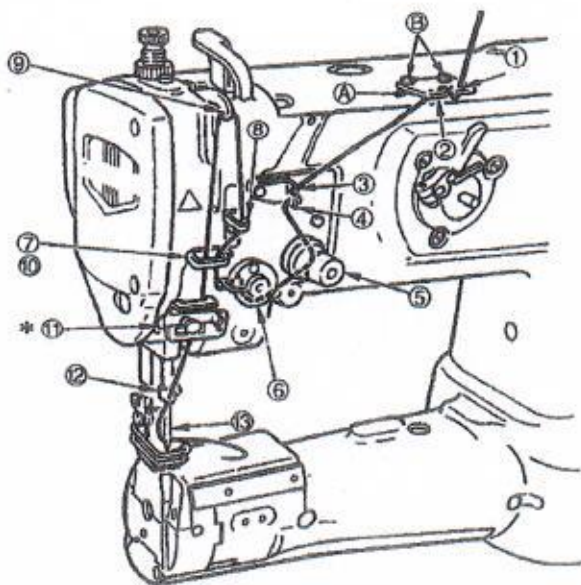
3) Loosen setscrew ③ and adjust the position of the adjusting plate to wind a bobbin about 80% of its capacity.

4) If the bobbin is wound unevenly, correct it by moving bobbin winder thread guide ④ back or forth. Then, tighten setscrews ③.

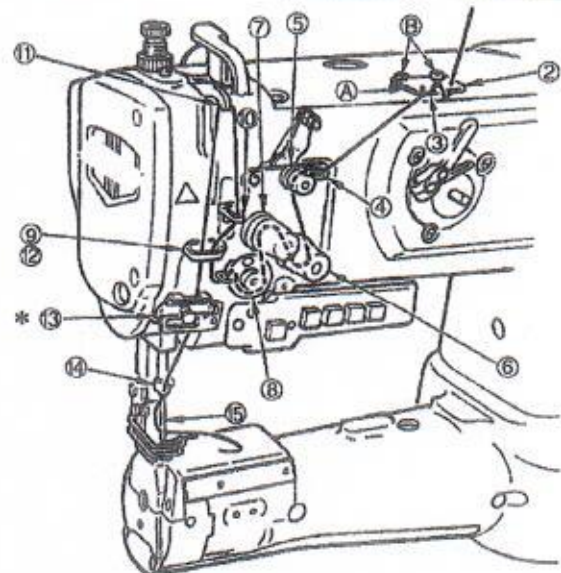
5) When the bobbin is filled up, the bobbin winder lever automatically releases the bobbin and the bobbin winder stops running.

11. THREADING THE MACHINE HEAD

1340



1341
1342
1342-7

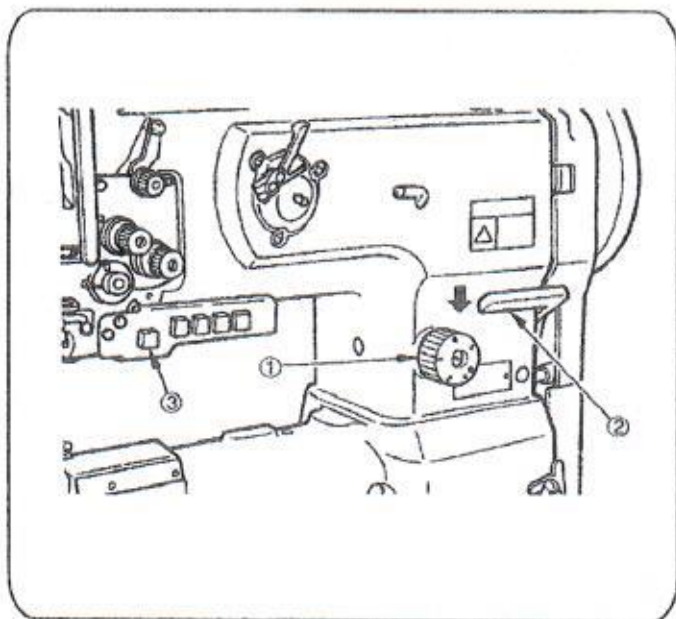


1. Attach arm thread guide ① to the top cover with setscrew ②.

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.

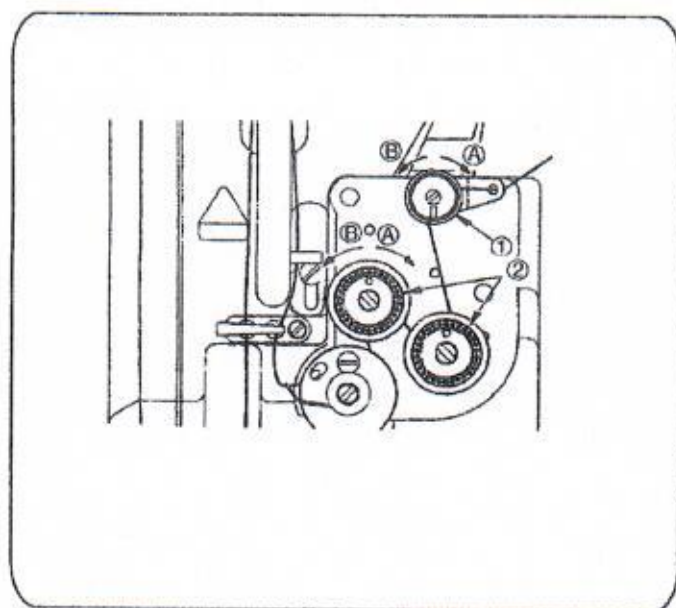
(1) Reverse feed stitching

- 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

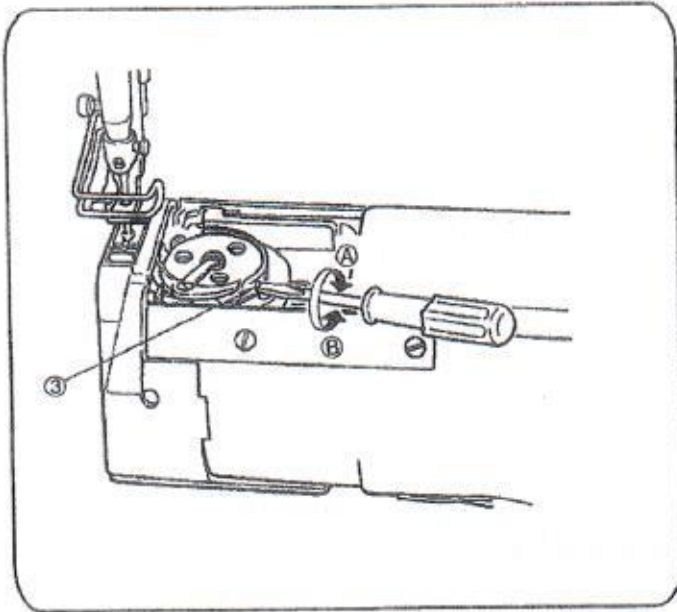


(1) Adjusting the needle thread tension

- 1) Turn thread tension nut No.1 ① clockwise ① to shorten the length of thread remaining on the top of needle after thread trimming. Turn the nut counterclockwise ② to lengthen it.(1342-7)
- 2) Turn thread tension nut No.2 ② clockwise ① to increase the needle thread tension, or counterclockwise ② to decrease it.

(1) Einstellen der Nadelfadenspannung

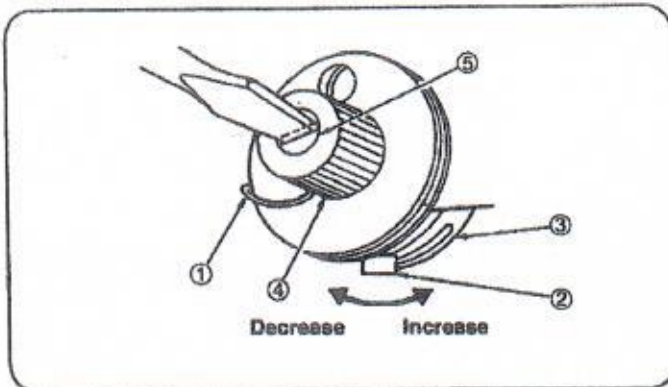
- 1) Die Fadenspannermutter Nr. 1 ① im Uhrzeigersinn ① drehen, um die Länge des nach dem Fadenabschneiden in der Nadel verbleibenden Fadens zu verkürzen. Die Mutter entgegen dem Uhrzeigersinn ② drehen, um die Länge zu verlängern.(1342-7)
- 2) Die Fadenspannermutter Nr. 2 ② im Uhrzeigersinn ① drehen, um die Nadelfadenspannung zu erhöhen, bzw. entgegen dem Uhrzeigersinn ②, 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



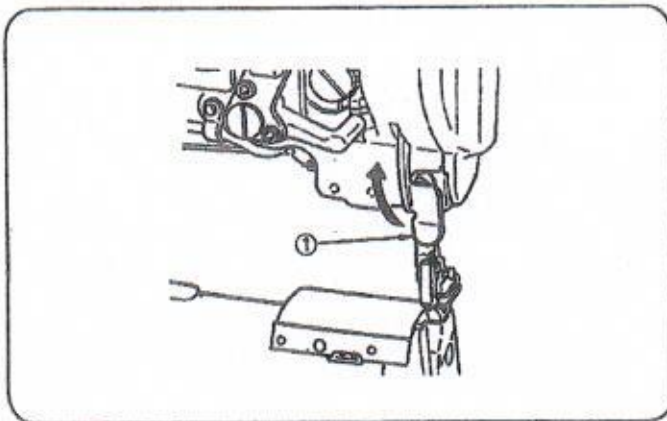
(1) When you want to change the stroke of the spring:

- 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.

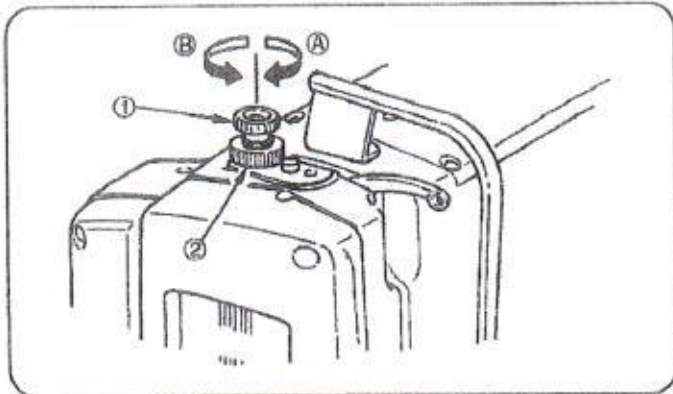
15. HAND LIFTER



- 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 ① to increase the pressure of the Presser foot, or counterclockwise ② to decrease it.
After the adjustment, tighten nut ②.



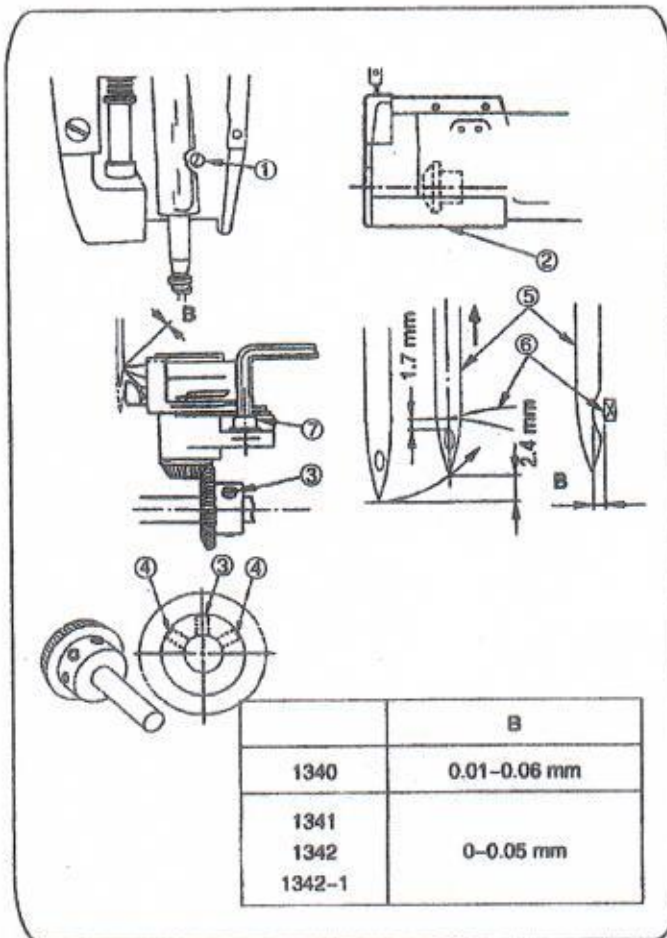
Be sure to operate the sewing machine with the pressure of the presser foot minimized as long as the presser foot securely holds the material.

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.

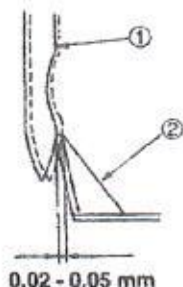
- 1) Set the feed regulating dial to "0"
- 2) Turn the handwheel to bring the needle bar to the lowest position of its stroke and loosen needle bar connection screw ①.
* Determine the height of the needle bar.
- 3) The standard height of the needle bar is obtained when a distance of 1.7 mm is provided 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.

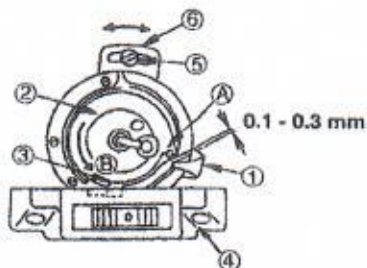
- 1) To bend the hook needle guard inward, apply a screwdriver to the outside of the hook needle guard.
- 2) To bend the hook needle guard outward, apply a screwdriver to the inside of the hook needle guard.

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.



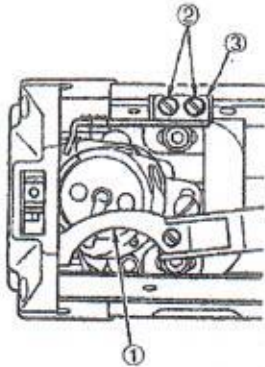
- 1) Turn the handwheel in its normal rotational direction to bring bobbin case opening Lever ① to its back end position.
- 2) Turn bobbin case ② in the direction of arrow ⑧ until stopper ③ comes in contact with the groove in throat plate ④.
- 3) Loosen screw ⑤ in the bobbin case opening lever adjustment 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 ⑨ of the bobbin case.

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

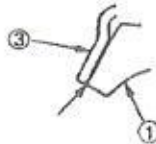


WARNING:

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.

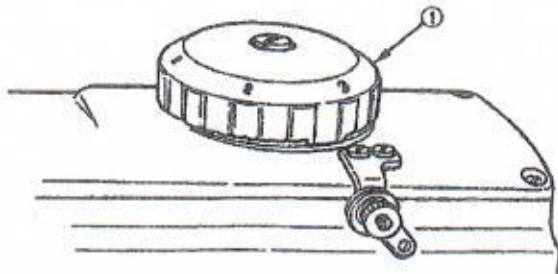


When the moving knife moves to its backward travel end, the top end of the moving knife aligns with the top end of the counter knife. At this time, the moving knife produces a play of 0.5 to 1 mm in the moving direction.



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

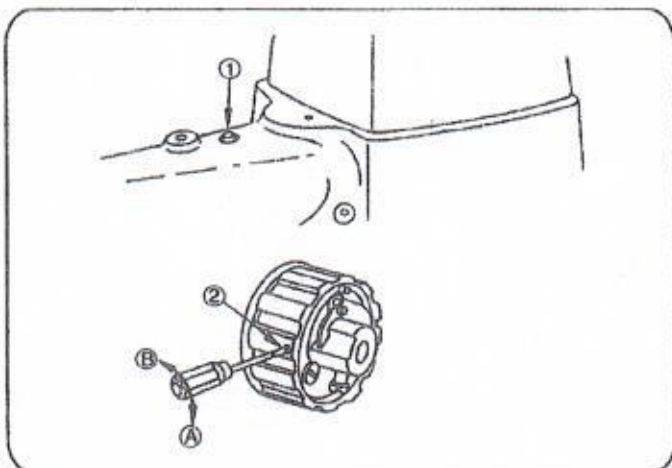
For the motor, use a 2P or 4P clutch motor of 3-phase 400 W(1/2 HP).

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

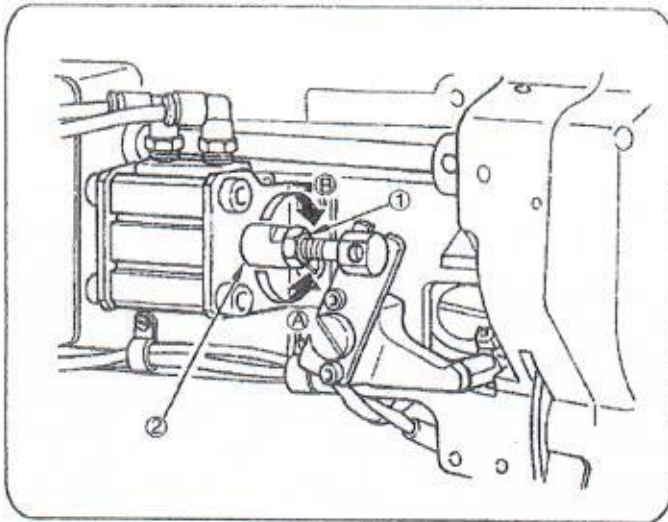
- 1) Remove the thread caught in the hook.
- 2) Pressing push button ①, strongly turn the pulley in the direction opposite to its normal rotational direction.

25. ADJUSTING THE AUTOMATIC PRESSER FOOT LIFTER



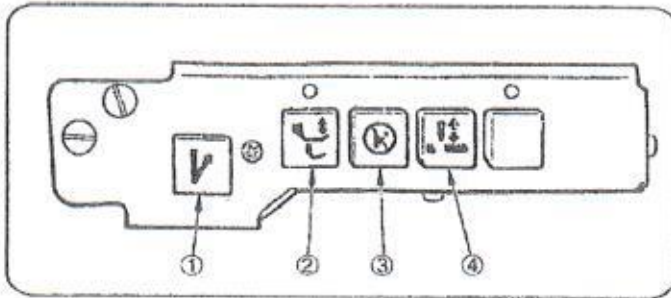
WARNING:

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 (A) to decrease the lifting amount, or turn it in the direction of (B) 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 locating inside the button will light up.)

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

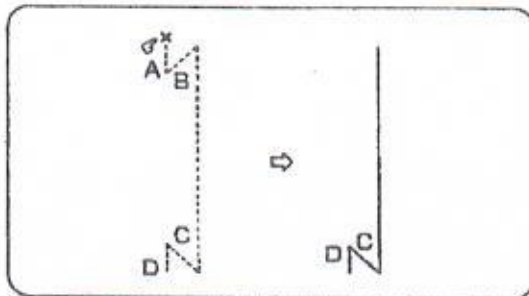
When performing the alternating vertical movement amount change-over with the knee switch, fix the knee switch supplied with the machine on the table with wood screws and use it.

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

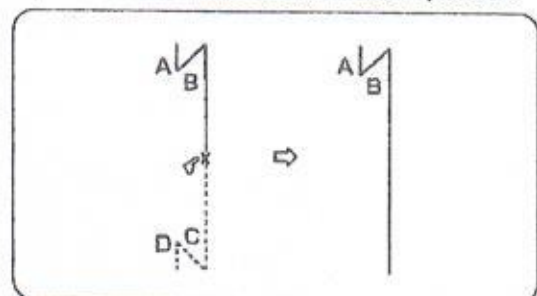
③ Automatic reverse feed stitching cancellation/addition switch

- 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:

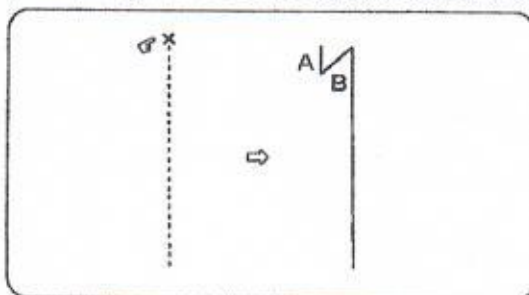


If the switch is pressed before starting sewing, the automatic reverse feed stitching for start (between A and B) will not be carried out.

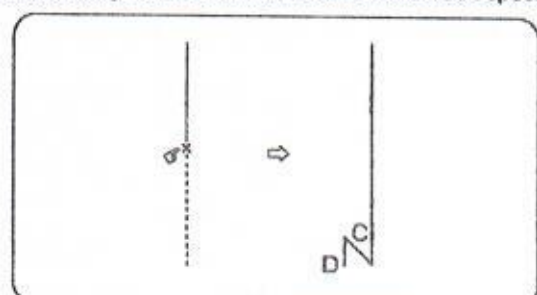


If the switch is pressed during sewing, the automatic reverse feed stitching for end (between C and D) will not be carried out.

(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.



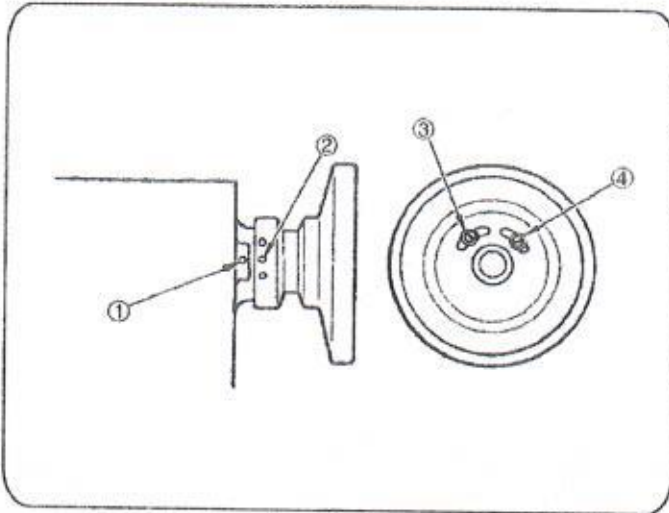
When raising the machine head which has been tilted, do not hold the operation switch to raise it.

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.

HOW TO MAKE USE OF THIS PARTS LIST

1. Explanation of codes

1) “*” mark.....means this part is changed from the previous parts book.

As to the details of the change, refer to “List for information of change” .

2) “0.1”refer to “Note” explanation at bottom of page.

2. Code on the “Qty” column

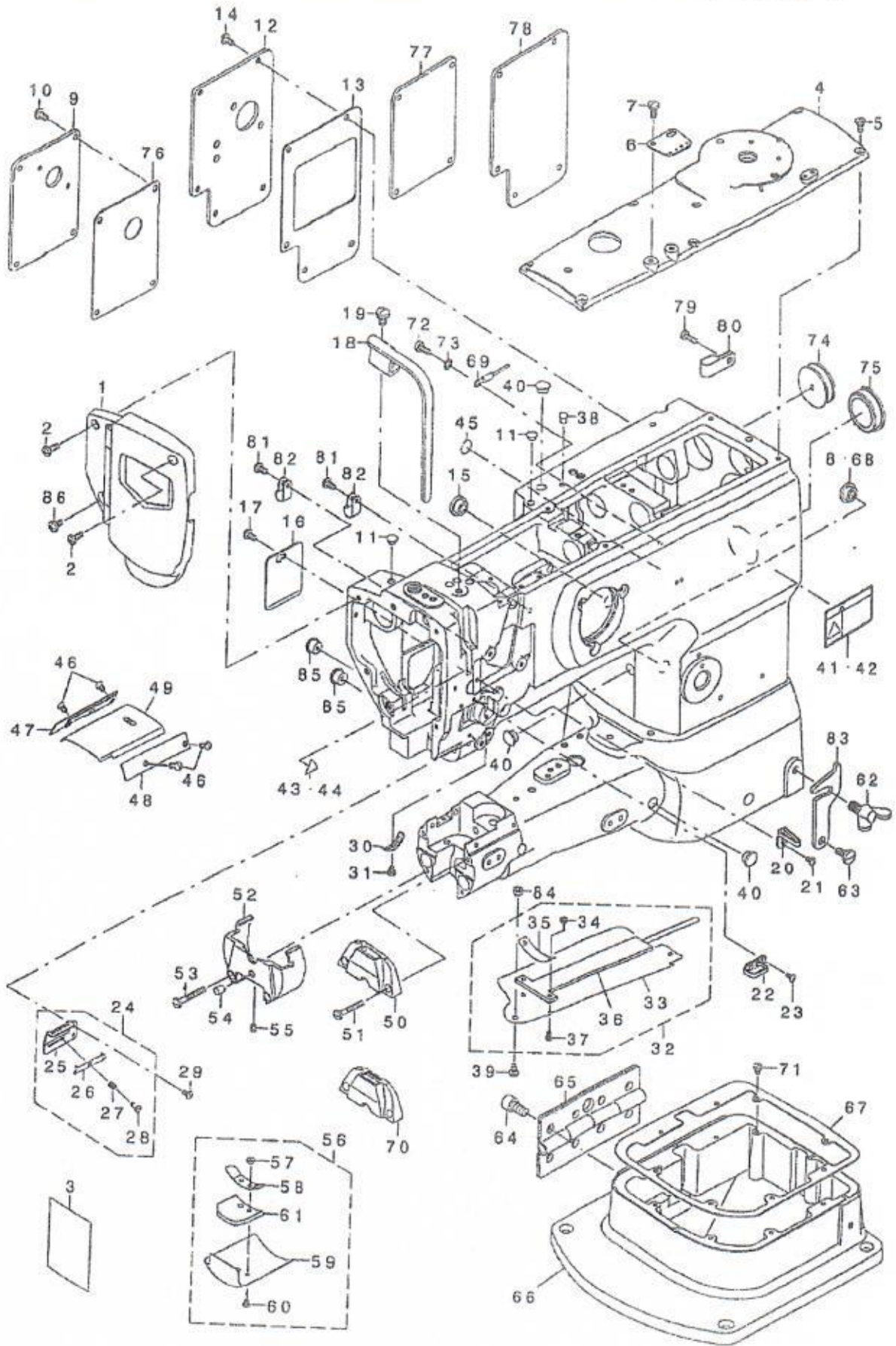
• Each numeral indicates the number of parts required.

• “0.1” and “2.5” indicate the length (in meters) of the respective parts.

3. Parentheses mean that the corresponding part is a subpart that constructs an assembly part.

4. Dotted lines on the Figures indicate assembly parts.

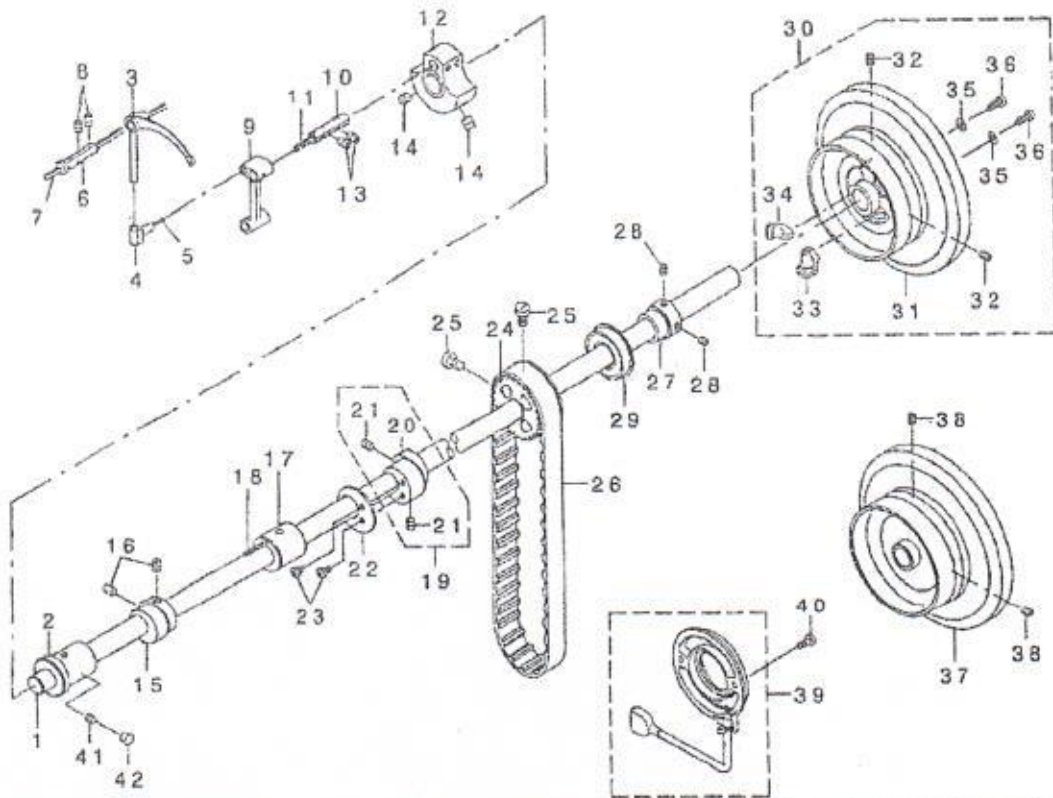
1.FRAME AND MISCELLANEOUS COVER COMPONENTS



REF NO.	NOTE	PART NO	DESCRIPTION	Qty	REMARK
1		48010100000	FACE PLATE ASM	1	
2		23-0102	SCREW	2	
3		48010300000	LUBRICATION SUPPLEMENT	1	SM11/64 (4.37) X40 L=12
4		23-0104	TOP COVER B	1	
5		23-0105	SCREW	6	SM11/64 (4.37) X40 L=8
6		23-0106	ARM THREAD GUIDE	1	
7		23-0107	SCREW	2	SM3/16 (4.76) X32 L=9.5
8	03	48010800000	COAD BUSH	1	
9	03	48010900000	WINDOW PLATE F	1	
10		23-0105	SCREW	4	SM11/64 (4.37) X40 L=8
11		23-0148	PLUG	2	D=7.5 L=3.5
12	03	48011200000	WIDOW PLATE D	1	
13		48011300000	WINDOW PLATE PACKING B	1	
14		23-0105	SCREW	5	SM11/64 (4.37) X40 L=8
15		23-0115	RUBBER PLUG	2	
16		23-0116	SIDE COVER	1	
17		23-0105	SCREW	1	SM11/64 (4.37) X40 L=8
18		23-0118	BALANCE COVER	1	
19		23-0119	SCREW	1	SM15/64 (5.95) X28 L=9
20		23-0120	THREAD GUIDE	1	
21		23-0121	SCREW	1	SM9/64 (3.57) X40 L=6
22		23-0122	FRAME THREAD GUIDE, UPPER	1	
23		23-0123	SCREW	2	SM9/64 (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	RINGE SCREW	(1)	
29		23-0123	SCREW	1	D=3.80 H=5.5
30		23-0132	TAKE -UP SPRING ADJUSTING PLATE	1	SM9/64 (3.57) X40 L=7.2
31		23-0133	SCREW	1	
32		48013200000	CYLINDER COVER ASM	1	SM9/64 (3.57) X40 L=4.5
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	SM11/64 (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(16)	1	
44	02	48014400000	ATTENTION SEAL	1	
45		48014500000	GROUND MARK	1	
46		48014600000	SCREW	4	SM9/64 (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	SM11/64 (4.37) X40 L=28
52		48015200000	THROAT PLATE BASE	1	
53		36-0153	SCREW	2	SM11/64 (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	*03	48016900000	GROUND WIRE ASM.	1	
70	05	48017000000	THROAT PLATE	1	
71		36-0138	SCREW	8	SM9/64 (3.57) X40 L=5.0
72		23-0170	SCREW	1	SM11/64 (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	SM11/64 (4.37) X40 L=11
80		48018000000	CORD HOLDER,LARGE	1	
81	03	23-0105	SCREW	2	SM11/64 (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	SM15/64 (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

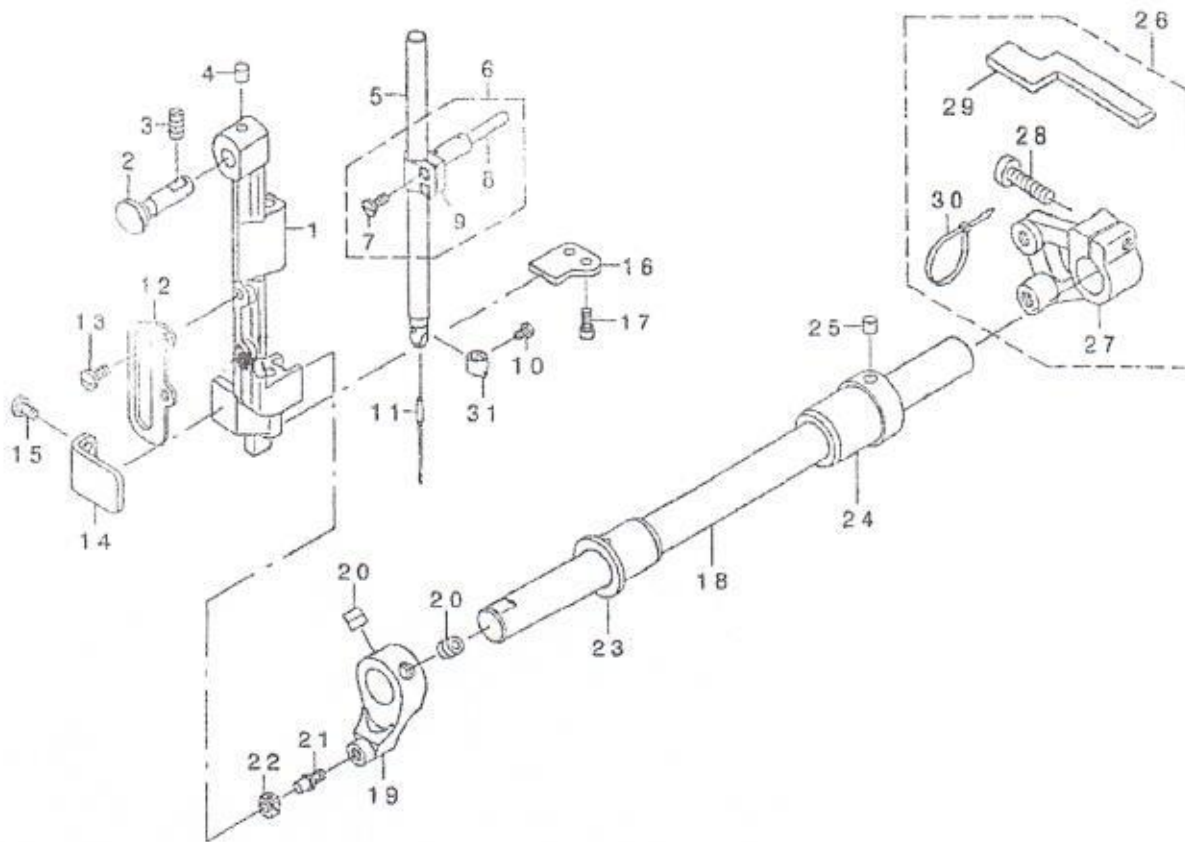
2. UPPER SHAFRT DRIVING AND BALANCE COMPONENTS



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)(36MM)	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	23-0208	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	

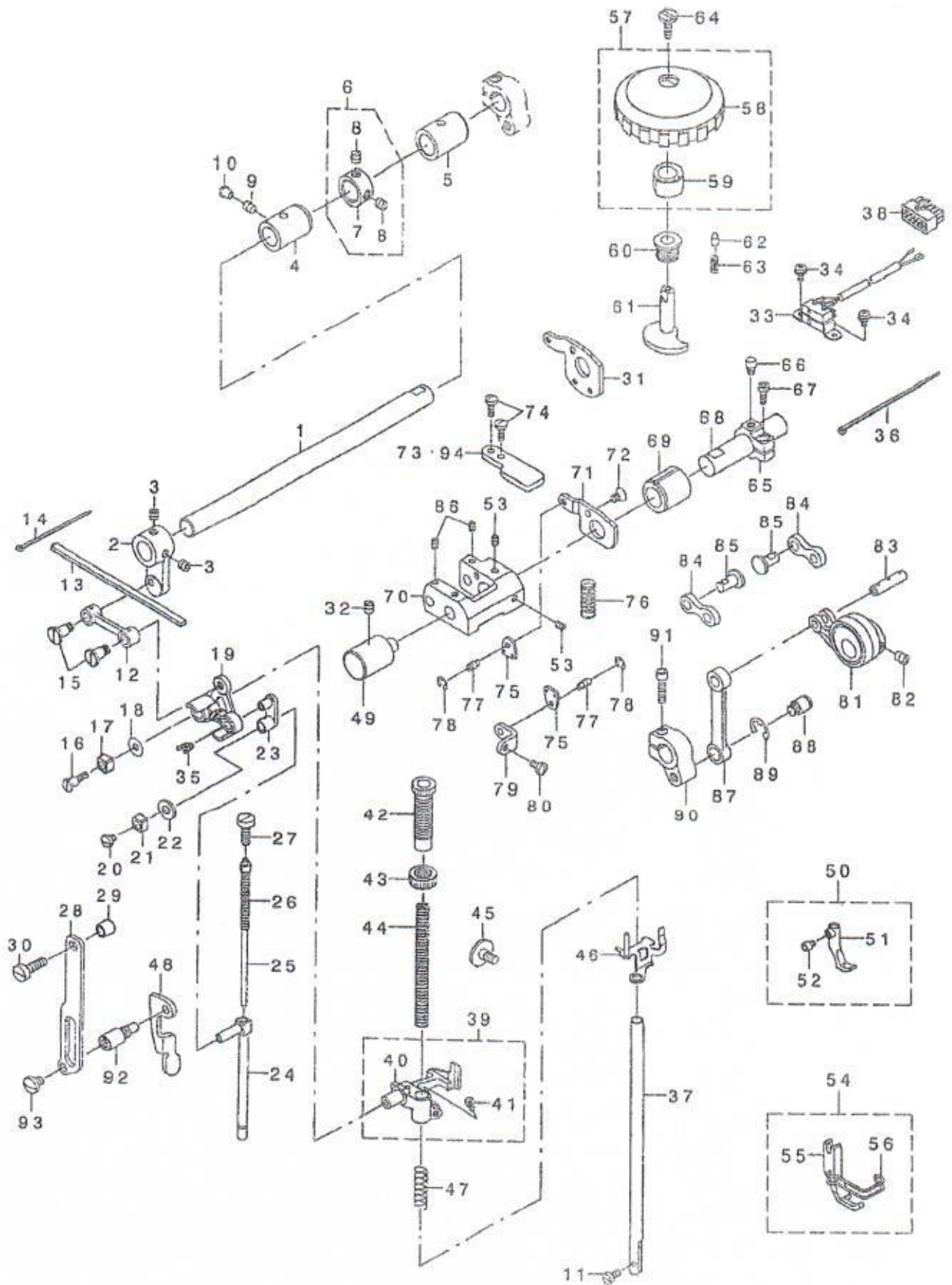
NOTE 01.....FOR 1342-7
02.....FOR 1342

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	

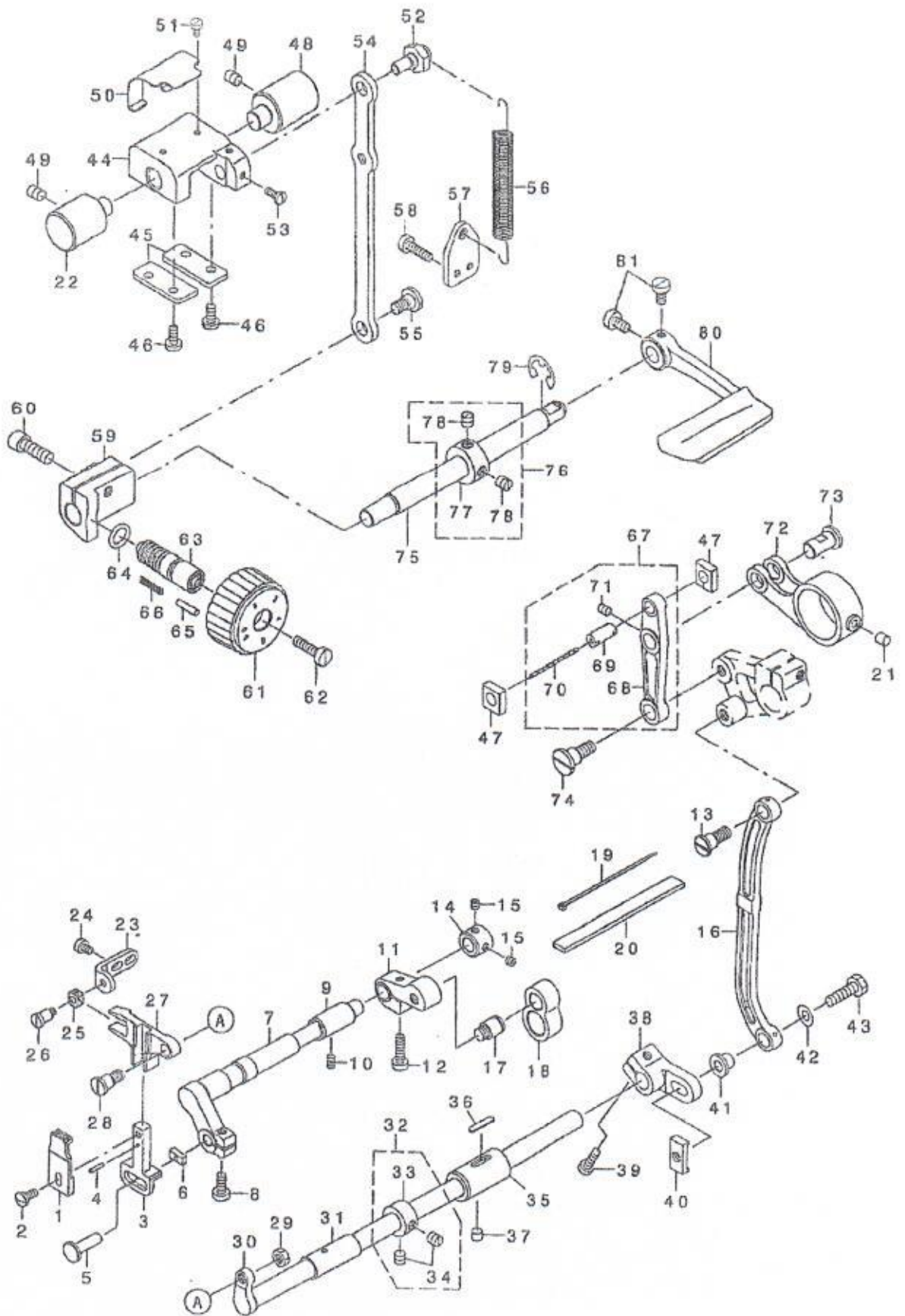
4.PRESSURE ADJUSTING AND UPPER FEED MECHANISM COMPONENTS



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	SM1/4(6.35)X40 L=6
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	(1)	
8		23-0408	SCREW	(2)	SM1/4(6.35)X40 L=6
9		23-0409	SCREW	1	SM15/64(5.95)X28 L=7
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	1	
15		48041500000	SCREW	2	CV-70S
16		48041600000	SCREW	2	
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	*02	48043800000	HOUSING 12P	1	
39	*	48043900000	PRESSER BAR HOLDER A ASM.	1	
40	*	48044000000	PRESSER BAR HOLDER A	(1)	
41		23-0315	SCREW	(1)	SM11/64 (4.37) X40 L=8.5
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	
46		23-0446	THREAD RELEASE HOLDING PLATE	1	D=8 H=4.9
47		23-0447	THREAD RELEASE SPRING	1	
48		23-0448	PRESSER LIFTER LEVER	1	
49		23-0449	FEED ADJUSTING BASE SUPPORT	1	
50		48045000000	PRESSER INNER FOOT ASM.	1	
51		48045100000	PRESSER INNER FOOT	(1)	
52		48045200000	SCREW	(1)	M4 L=4.5
53		23-1220	SCREW	2	M5 L=6
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=8
65		39-0465	VERTICAL ADJUSTING ARM	1	
66		39-0466	PIN	1	
67		39-0467	SCREW	1	M5X0.8 L=14
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	1	
74		23-0315	SCREW	2	
75		39-0475	SPRING HOOK	2	
76		39-0476	VERTICAL SHAFT SPRING	1	
77		39-0477	CONNECTING ROD HINGE SCREW	1	
78		39-0478	E-RING	2	
79		39-0479	UPPER FEED DOG SPRING HOOK	2	
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	SM1/4(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

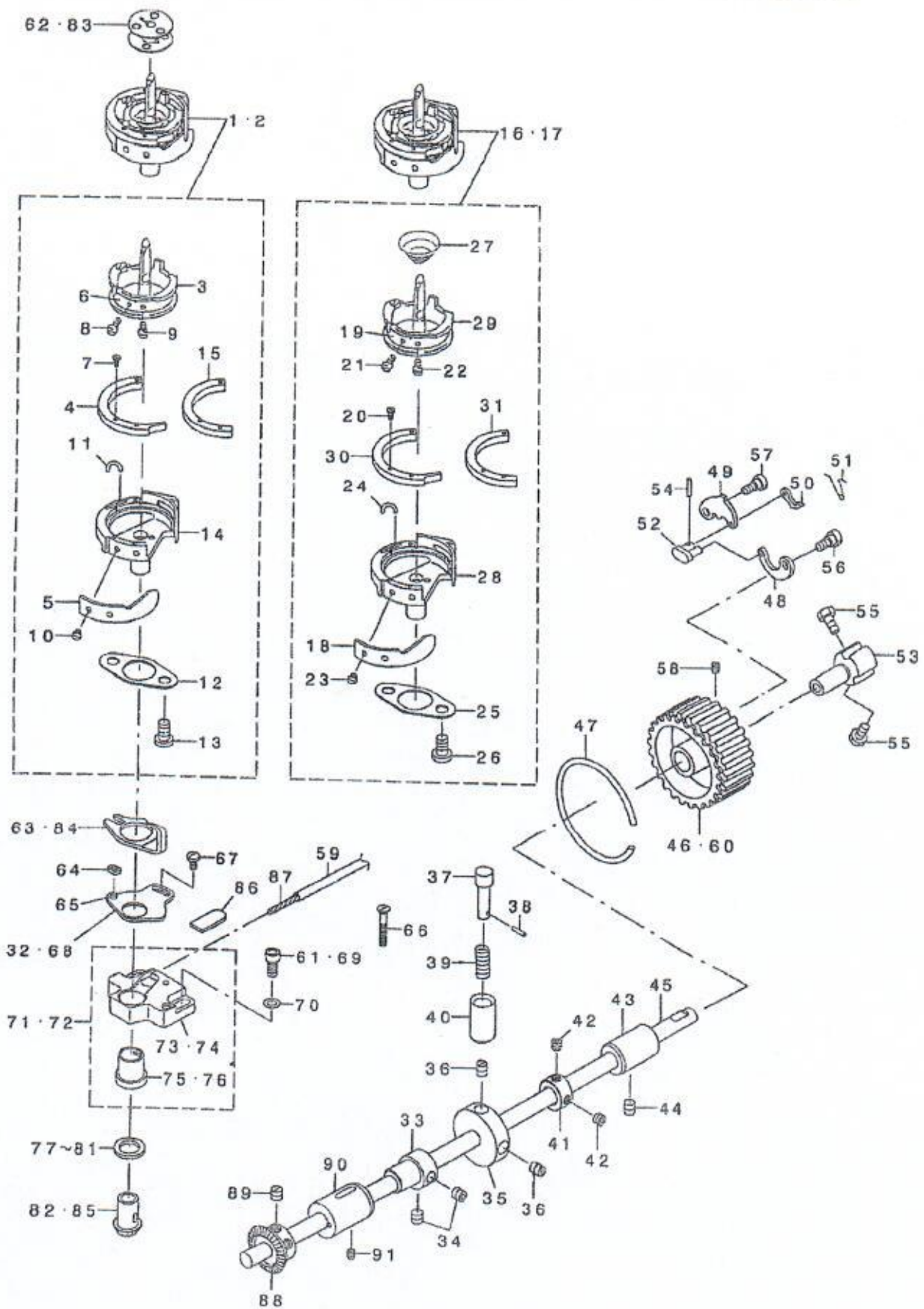
5. FEED MECHANISM COMPONENTS



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

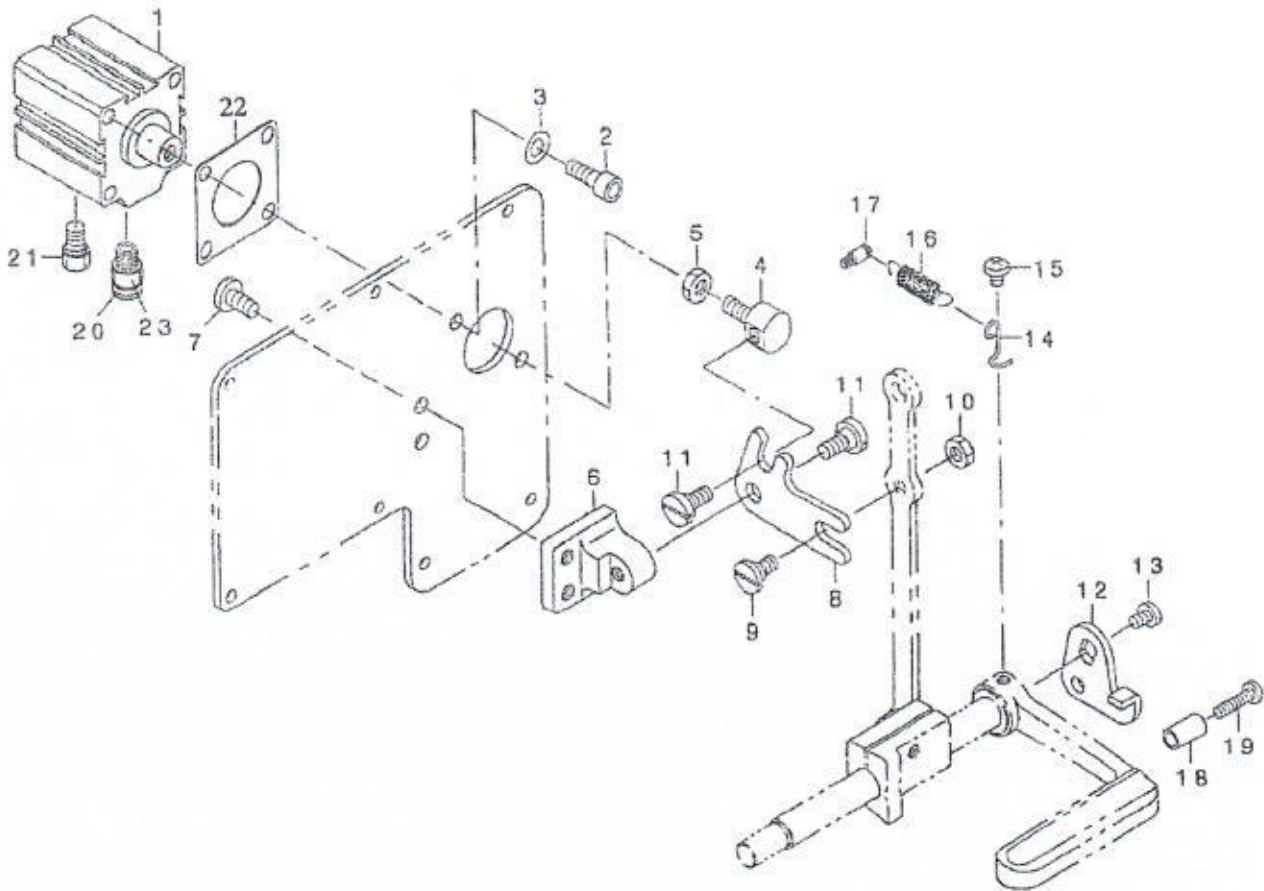
6. HOOK SHAFFT AND LOWER SHAFFT COMPONENTS



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	VERTICAL FEED CAM	1	(0.6)
34		36-0634	SCREW	2	SM1/4(6.35)X40 L=6
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

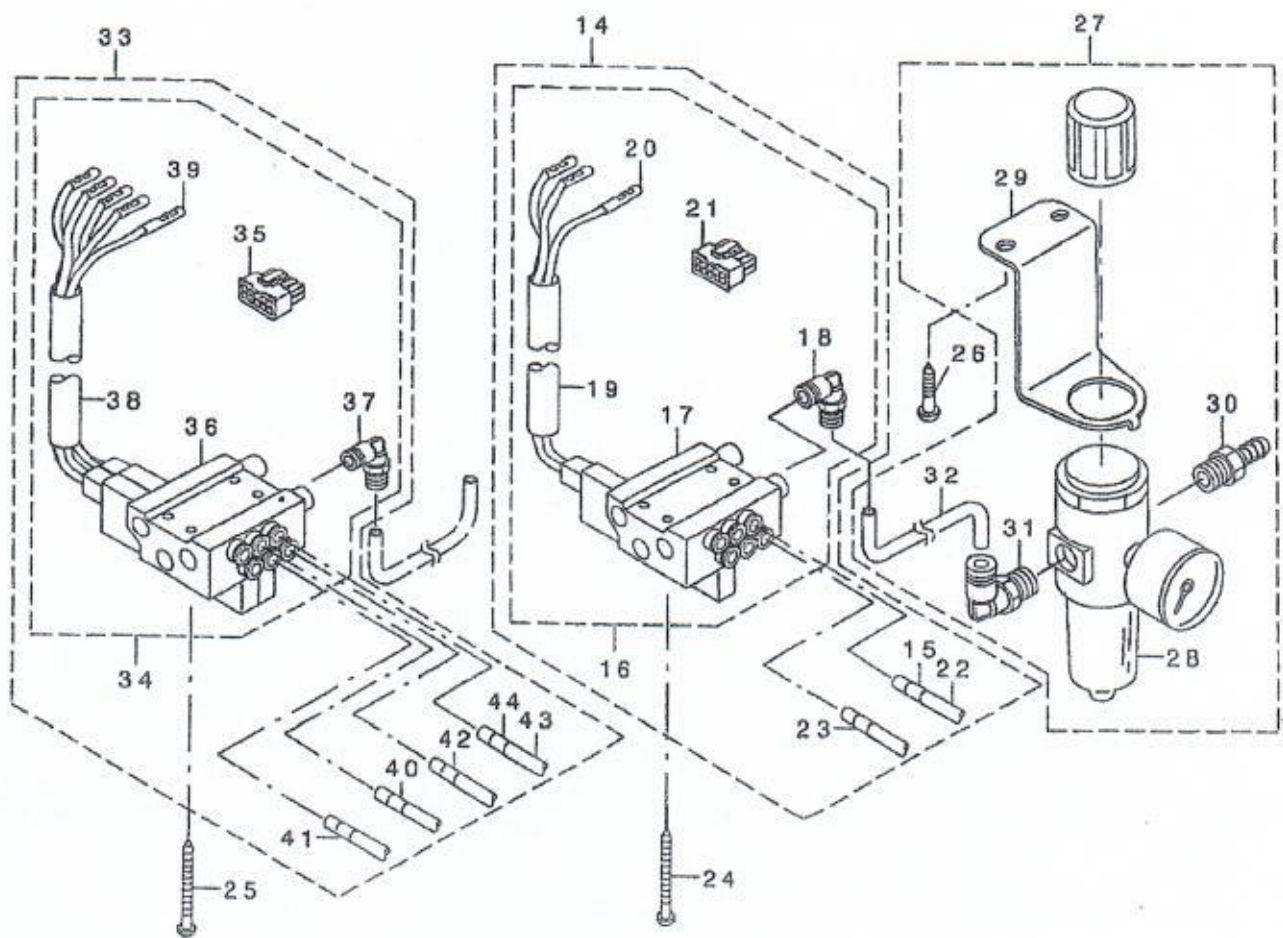
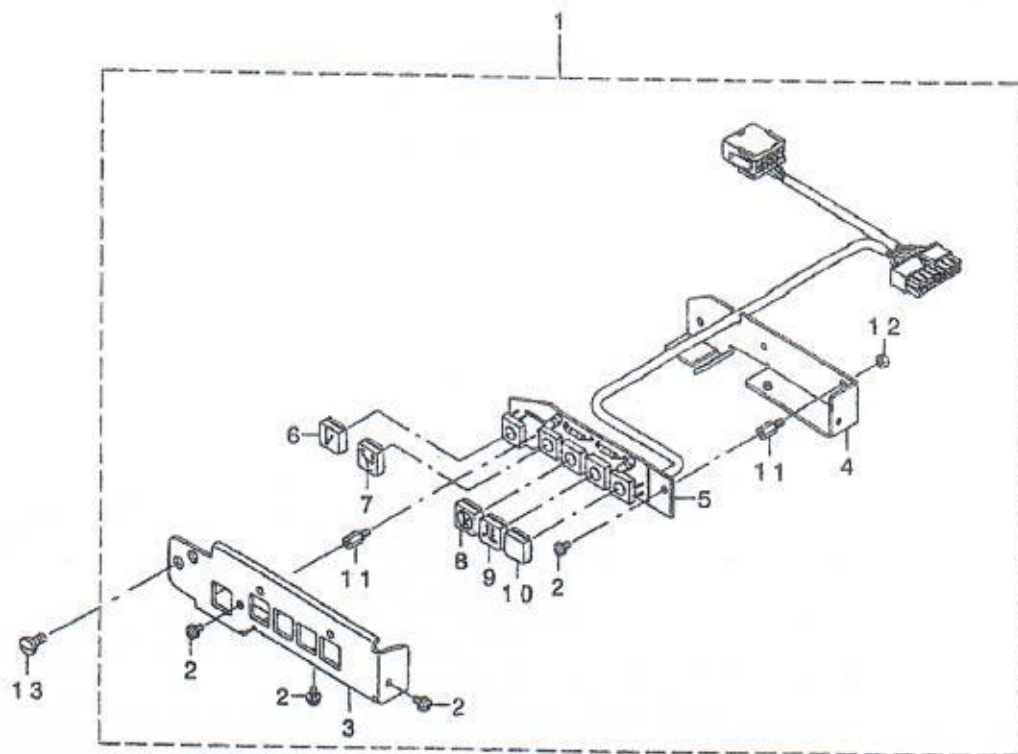
NOTE 01.....SELECTIVE PARTS
02.....FOR 1342-7
03.....FOR 1342
04.....FOR 1342-7(OPTICAL PARTS)
05.....FOR 1342(OPTIONAL PARTS)

8.AUTOMATIC BACK COMPONENTS(FOR 1342-7)



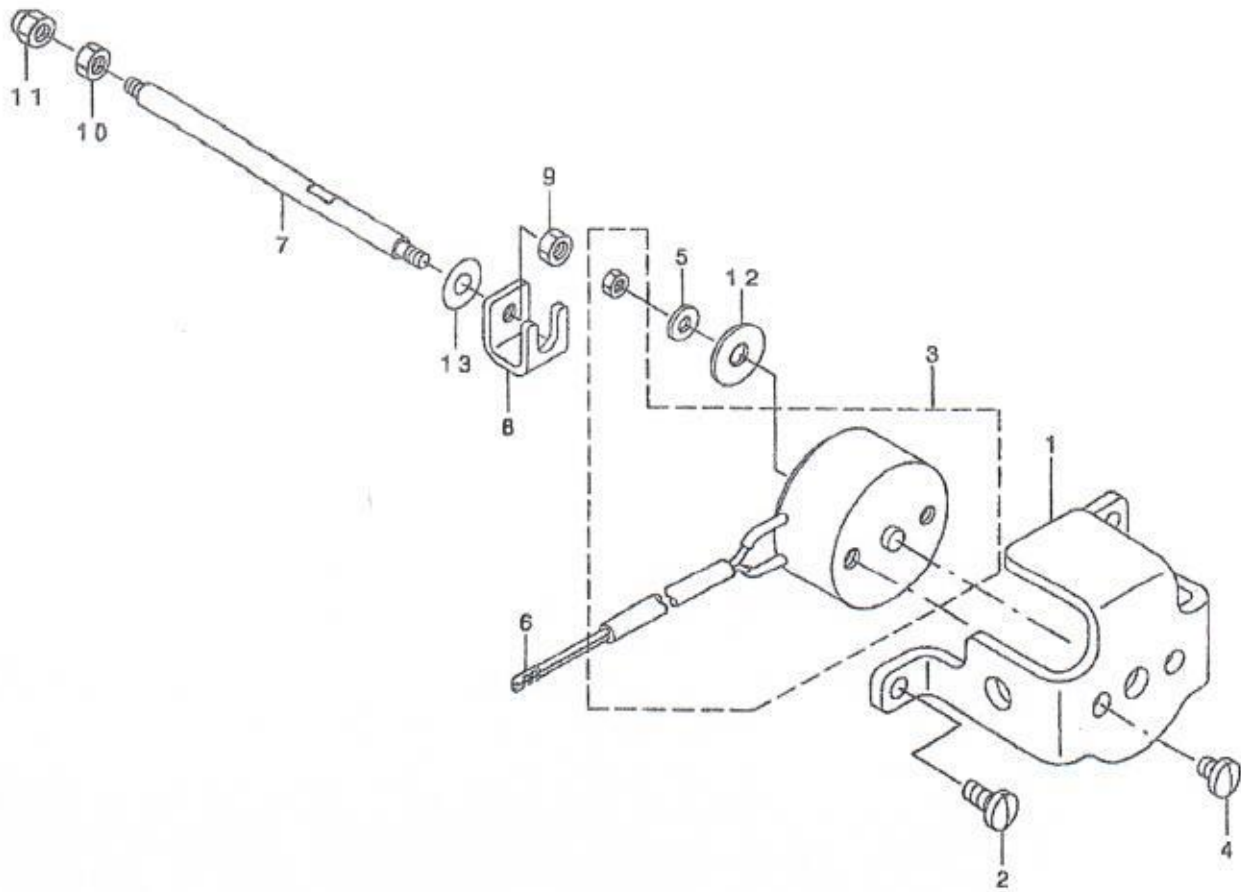
REF NO.	NOTE	PART NO.	DESCRIPTION	Qty	REMARK
1		39-0802	JIG CYLINDER	1	
2		39-0803	SCREW	2	M6 L=16
3		39-0804	WASHER	2	M6
4		39-0805	CYLINDER CONNECTING SCREW	1	
5		39-0806	NUT	1	M6
6		39-0807	FITTING BASE	1	
7		39-0808	SCREW	2	SM15/64(5.95)X28 L=12
8		39-0809	BACKWARD FEED LINK	1	
9		39-0813	HINGE SCREW	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)



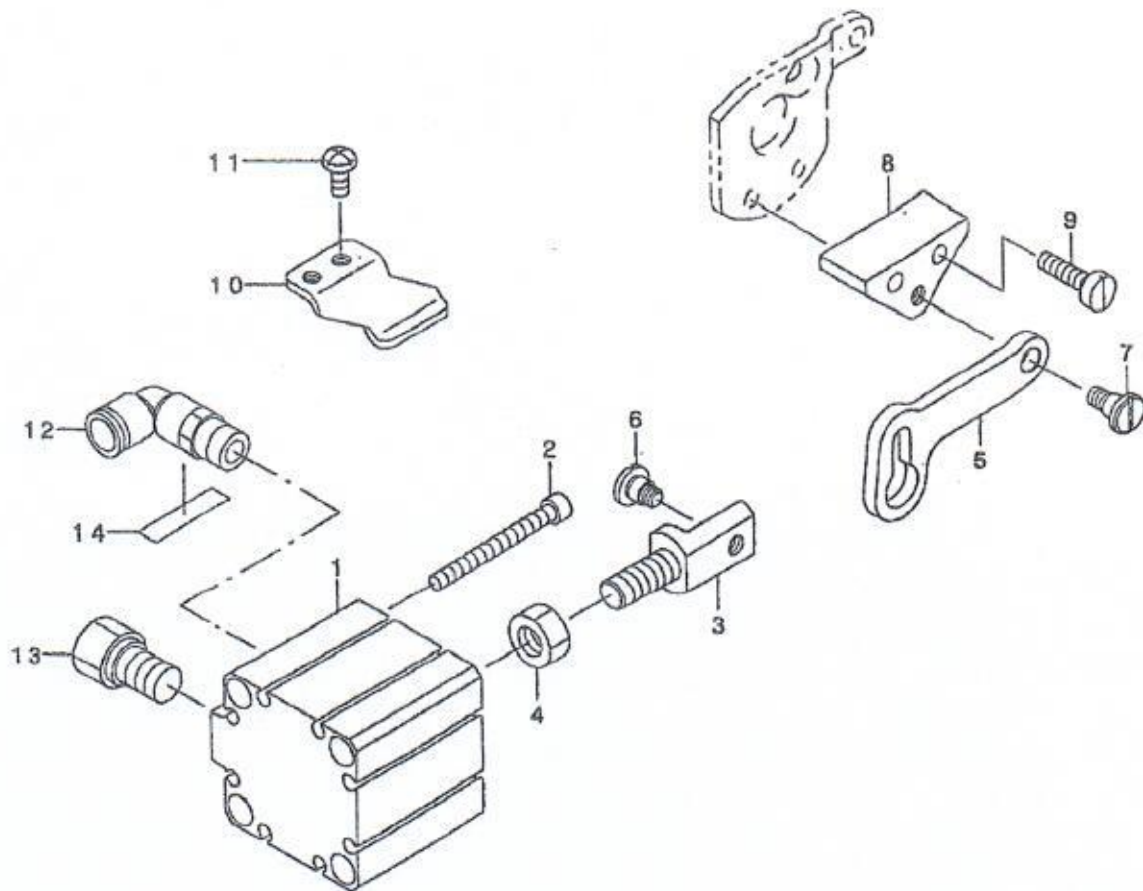
REF NO	NOTE	PART NO.	DESCRIPTION	Qty	REMARK
1	*	48090100000	5RANGE SWITCH ASM.	1	
2		48090200000	SCREW	(4)	
3		48090300000	SWITCH COVER	(1)	M3 L=6
4		48090400000	SWITCH CIRCUIT FITTING BASE	(1)	
5	*	48090500000	5RANGE SWITCH SUB(A) ASM.	(1)	
6		48090600000	KEY TOP A	(1)	
7		48090700000	KEY TOP B	(1)	
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)



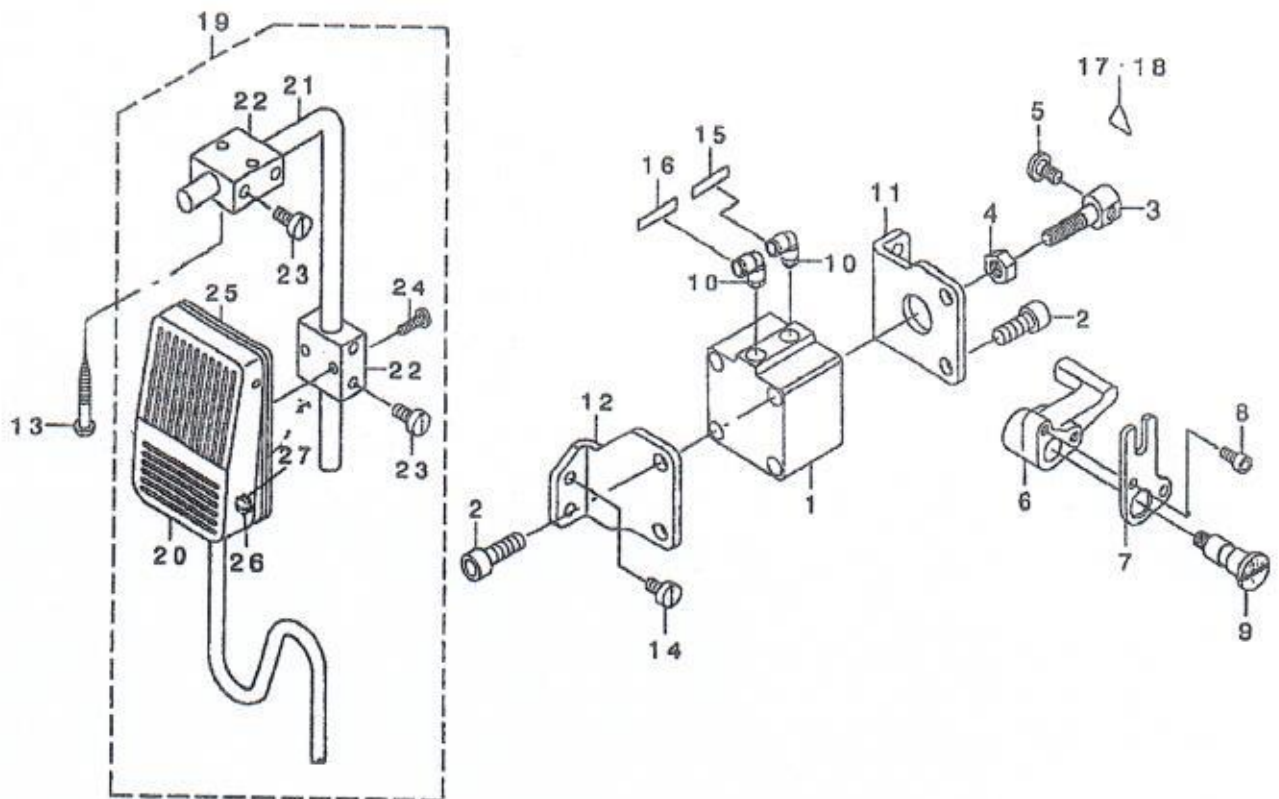
REF NO.	NOTE	PART NO.	DESCRIPTION	Qty	REMARK
1		39-1001	SOLENOID FITTING PLATE	1	
2		23-0315	SCREW	3	SM11/64(4.37)X40 L=8.5
3		39-1003	TENSION RELEASE SOLENOID	1	
4		39-1004	SCREW	2	SM11/64(4.37)X40 L=4.8
5		39-1005	WASHER	1	3.7X8X1
6	*	39-0760	PIN CONTACT	2	
7		39-1007	TENSION RELEASE ROD	1	
8		39-1008	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	5X1.3X1
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	M8
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	

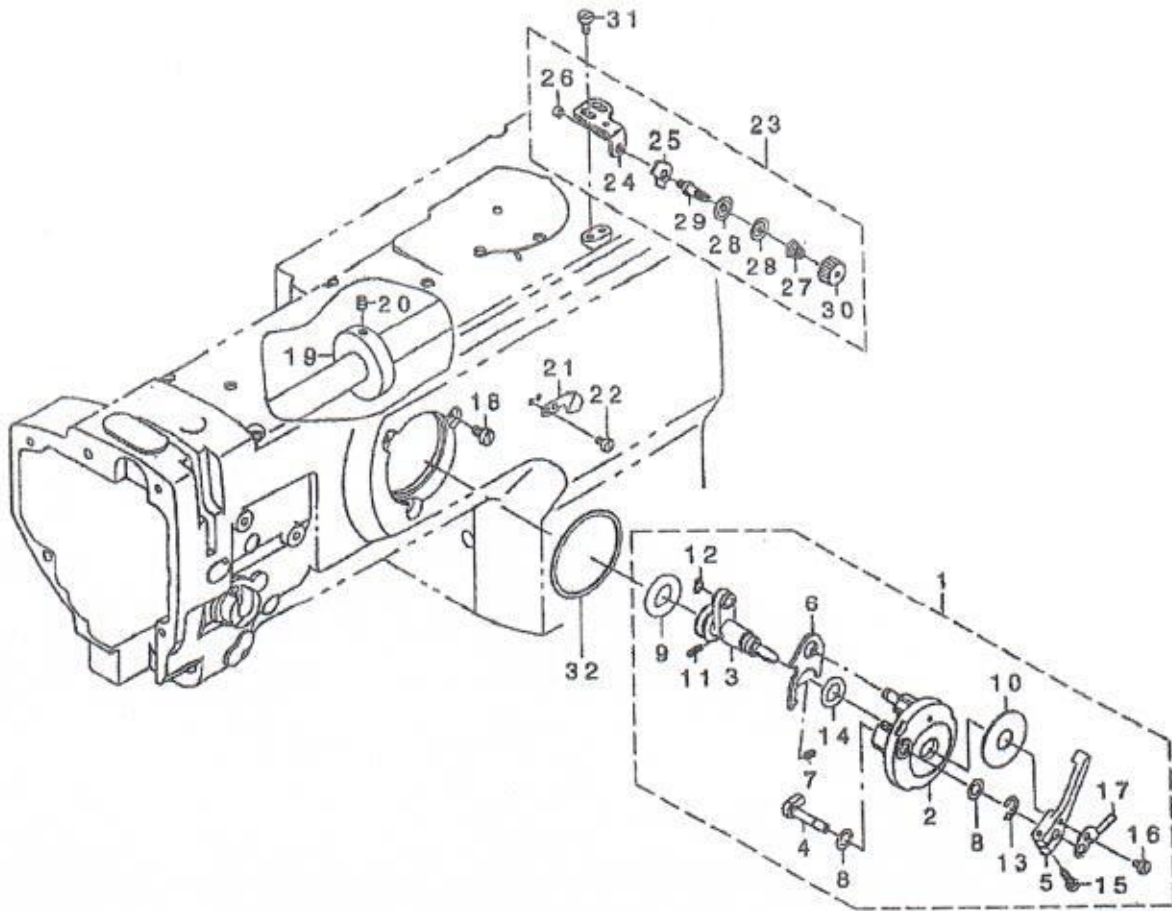
12.AUTOMATIC HAND LIFTER(OPTION) COMPONENTS(FOR 1342-7)



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

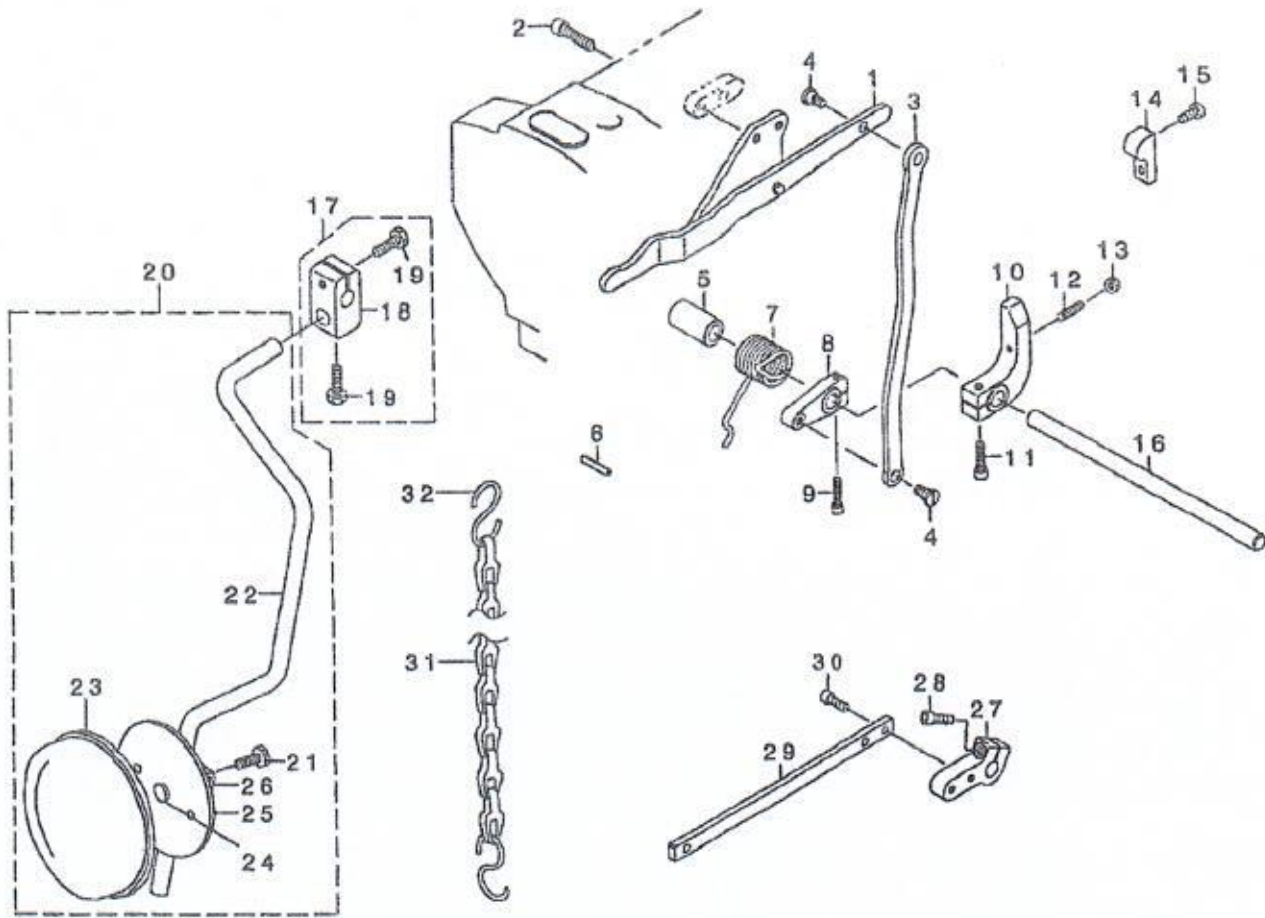
NOTE 01.....FOR USE IN JAPAN
02.....EXCEPT USE IN JAPAN

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	

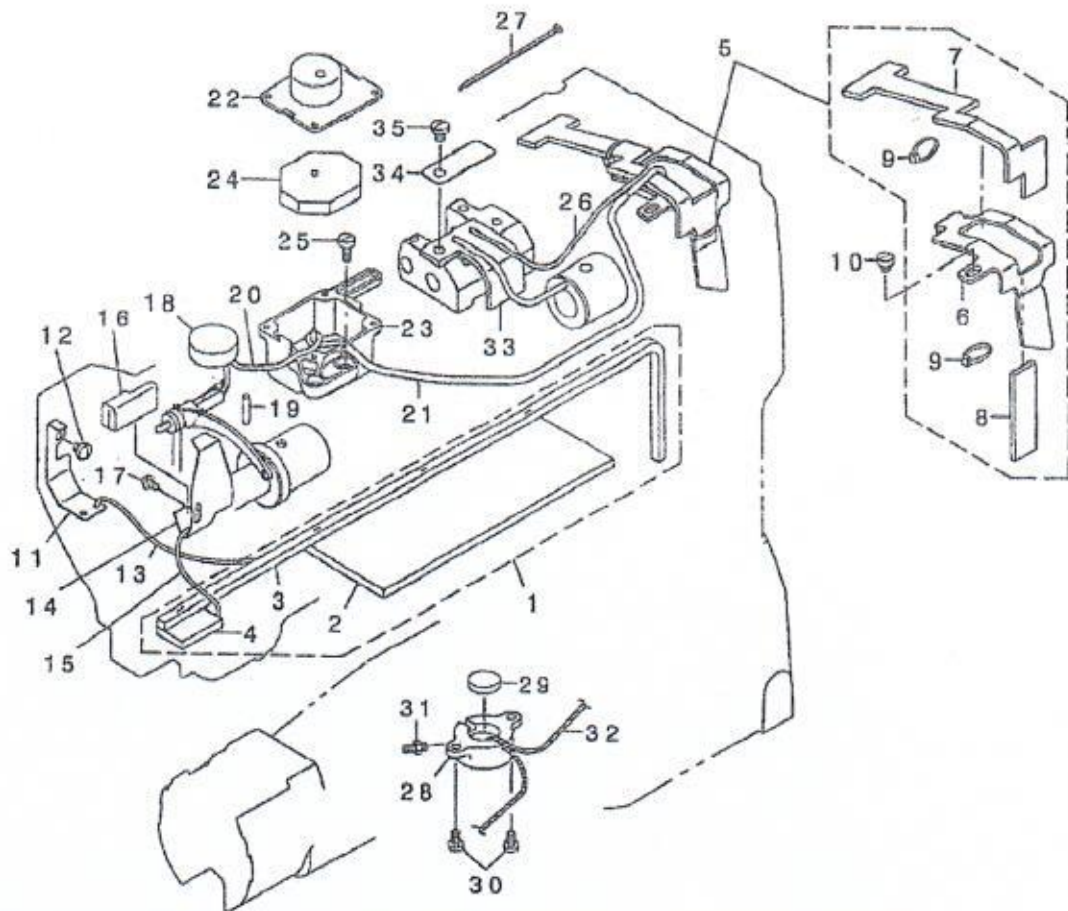
15.KNEE LIFTER COMPONENTS



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	KNEE LIFTER CONNECTING PLATE	1	
4		36-0904	HINGE SCREW	2	D=7.94 H=4.5
5		36-0905	KNEE 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		23-1116	NUT	1	M5X0.8
14		36-0914	STOPPER ARM	1	
15		36-0915	SCREW	2	SM3/16 (4.76) X28 L=12
16		36-0918	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	

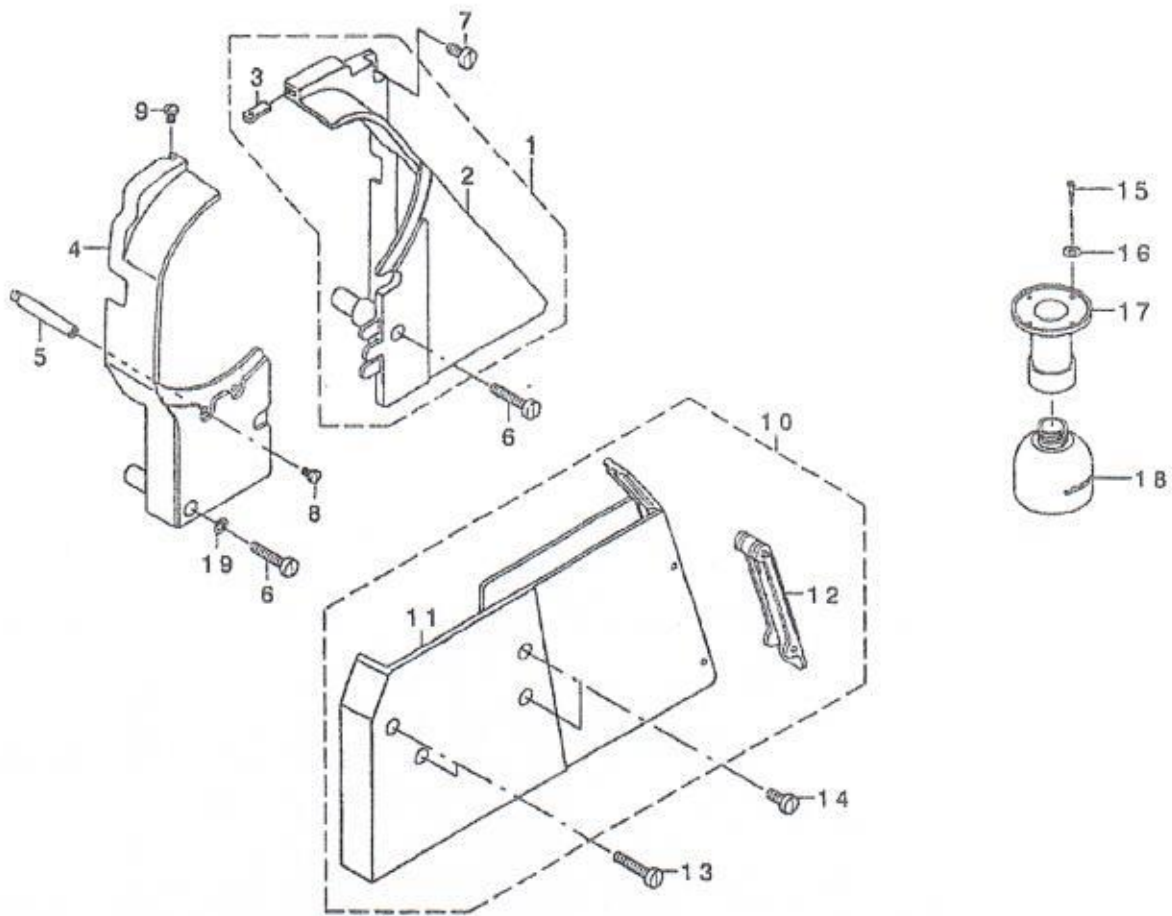
NOTE 01.....OPTIONAL PARTS

16.LUBRICATION COMPONENTS



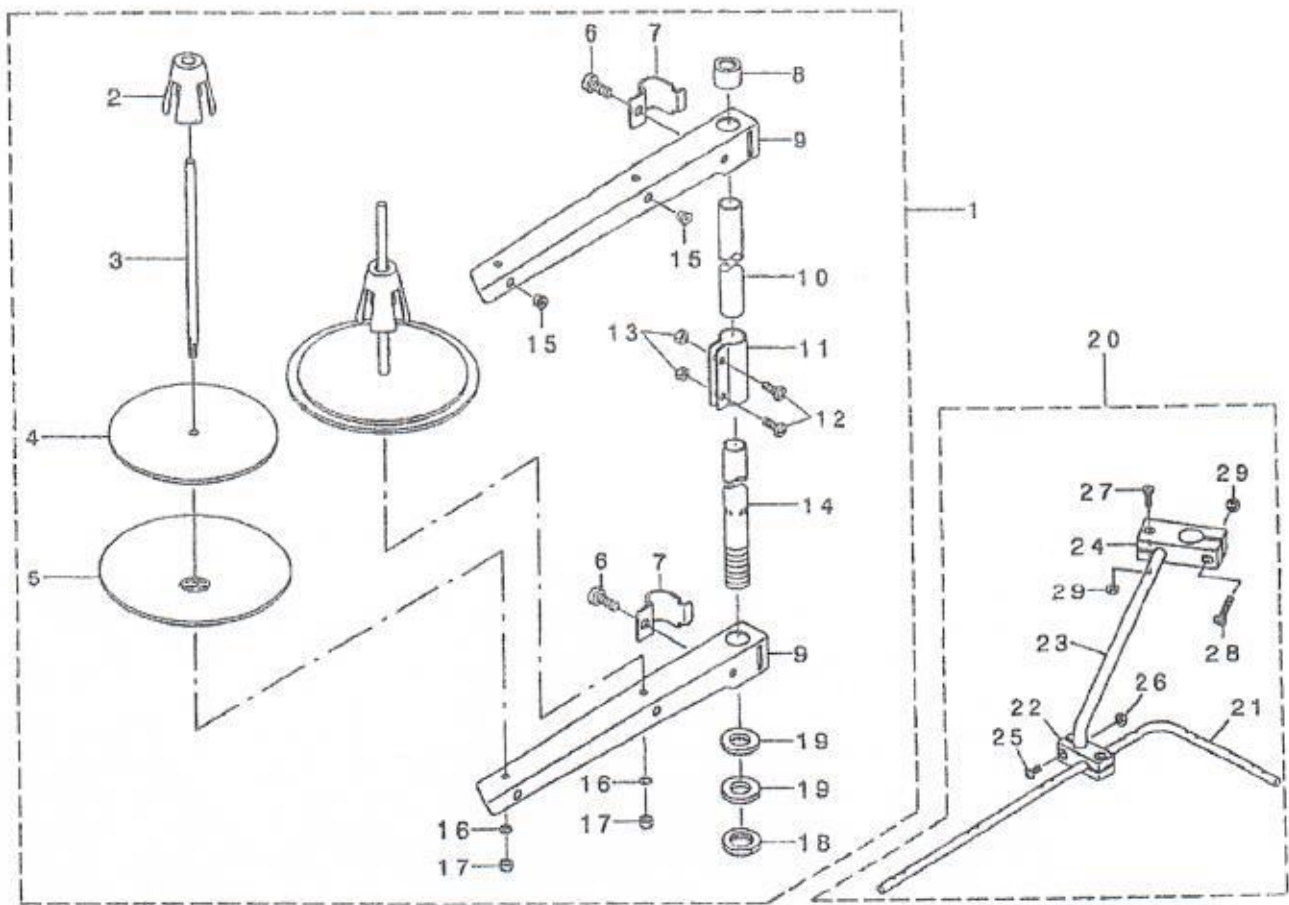
REF NO.	NOTE	PART NO.	DESCRIPTION	Qty	REMARK
1		23-1501	ARM ONCE THROUGH OIL FELT ASM.	1	
2		23-1502	ARM ONCE THROUGH FELT A	(1)	
3		23-1503	FELT B	(1)	
4		23-1504	FACE ONCE THROUGH FELT	(1)	
5		23-1505	FELT SUPPORT ASM.	1	
6		23-1506	FELT	(1)	
7		23-1507	FEED CHANGE FELT	(1)	
8		23-1508	FELT	(1)	
9		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	1	
14		23-1514	TAKE-UP OIL PLATE	0.2	
15		23-1515	OIL WICK	1	
16		23-1516	TAKE-UP LUBRICATION FELT	0.2	
17		23-1517	SCREW	1	
18		23-1518	FELT	1	SM9/64 (3.57) X40 L=6
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	1	SM11/64 (4.37) X40 L=7
31		23-1539	CONNECTING SCREW	2	
32		36-1037	OIL WICK	1	
33		39-1630	MUTUAL VERTICAL CHANGE FELT	0.4	
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



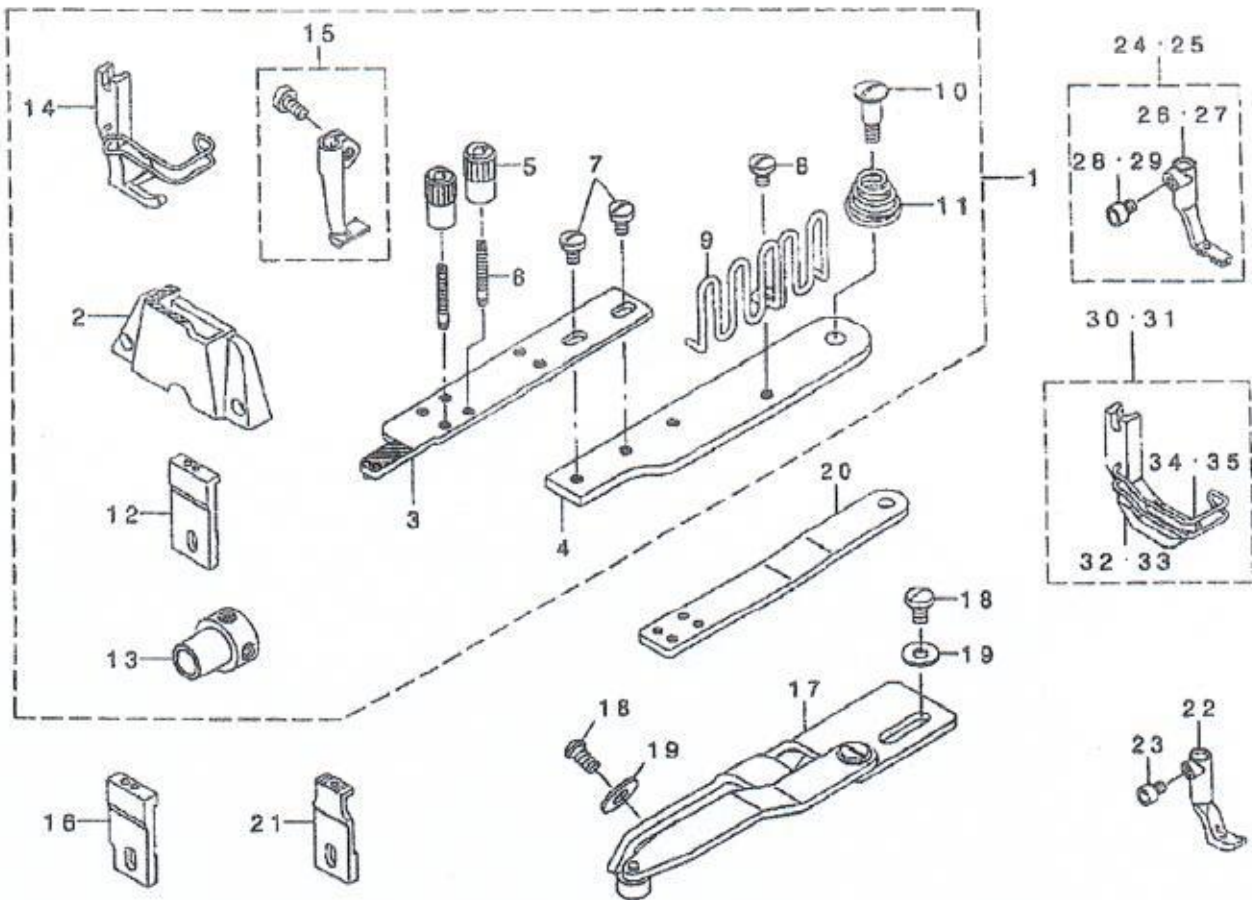
REF NO.	NOTE	PART NO.	DESCRIPTION	Qty	REMARK
1		23-2017	BELT COVER ASM (RIGHT)	1	
2		23-2018	BELT COVER(RIGHT)	(1)	
3		23-2019	BELT COVER AUXILIARY PLATE	(1)	
4		23-2020	BELT COVER(LEFT)	1	
5		23-2021	BELT COVER SUPPORT A	1	
6		23-2022	SCREW	2	SM15/64(5.95)X28 L=30
7		23-2002	SCREW	1	SM15/64(5.95)X28 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

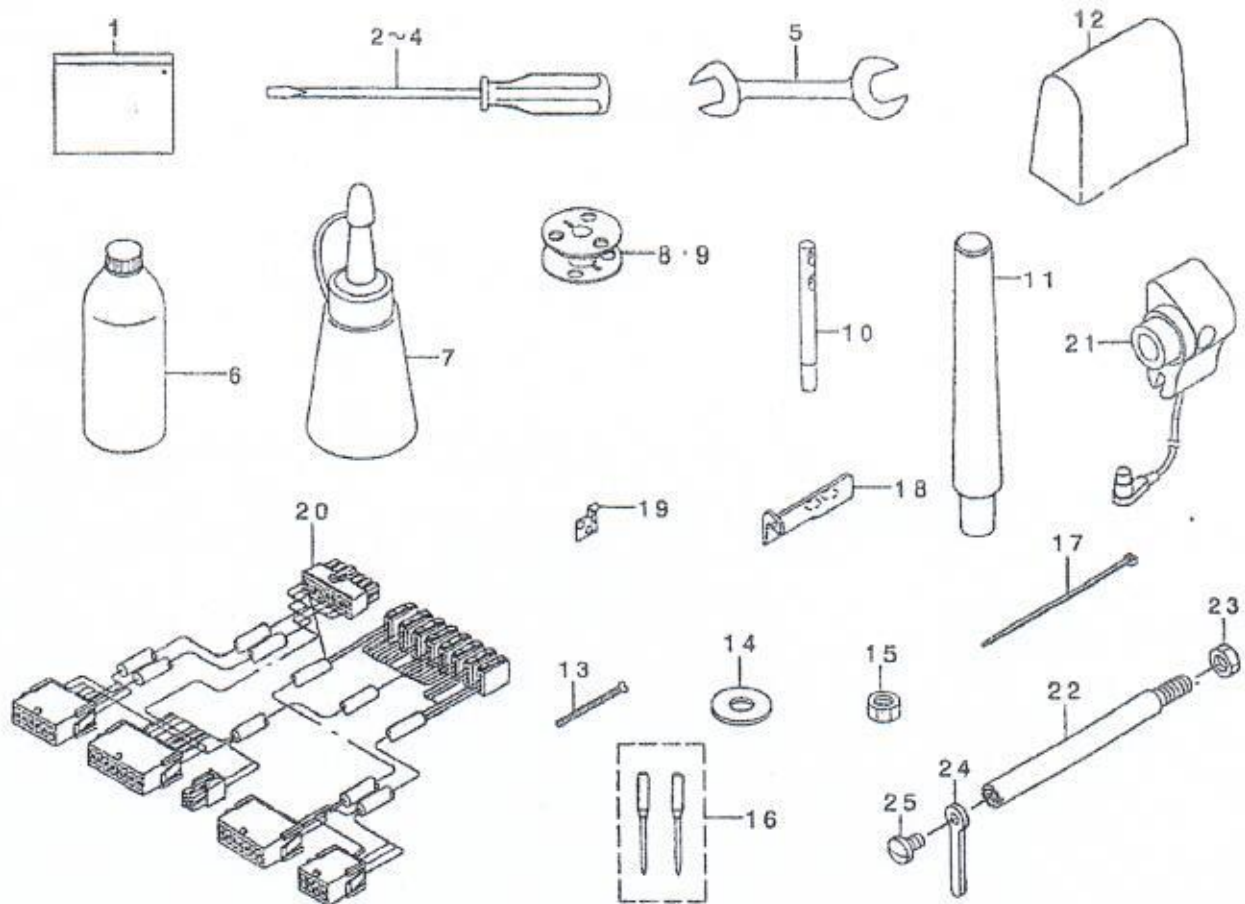
19.OPTION AND GAUGE COMPONENTS



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	(2)	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	
19		48191900000	WASHER	2	5.5X13 X 1
20		48192000000	FIXING BINDER FITTING PLATE.	1	
21		48192100000	FEED DOG	1	
22		48192200000	PRESSER FOOT	1	
23		48192300000	SCREW	1	M4 L=4.5
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)	
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

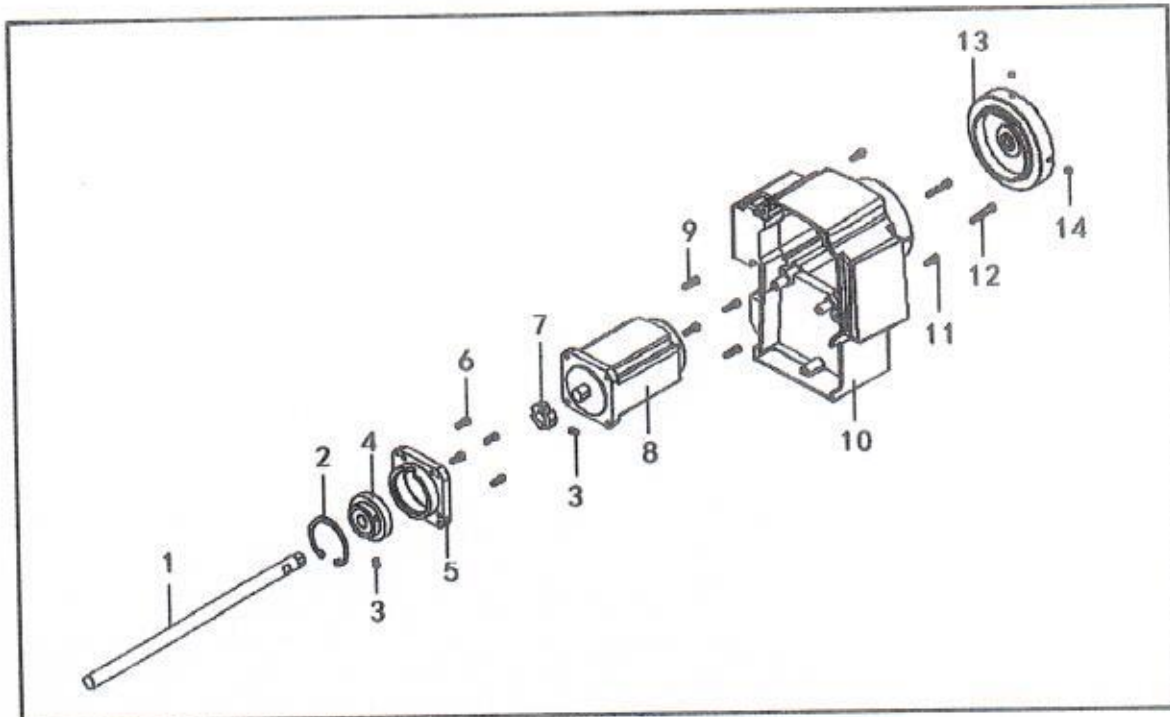
20.ACCESSORIES PARTS COMPONENTS



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 E 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

18. DIRECT DRIVE MOTOR COMPONENTS



REF NO	PART NO	DESCRIPTION	Qty
1	23-0201D	UPPER SHAFT	1
2	23-0275D	SPRING RETAINER	1
3	23-0276D	SCREW M5 L=16	4
4	23-0277D	COUPLER ASSEMBLY (LEFT)	1
5	23-0278D	MOTOR ASSEMBLY BASE	1
6	23-0279D	SCREW M6*0.75 L=10	4
7	23-0280D	COUPLER ASSEMBLY (RIGHT)	1
8	23-0281D	MOTOR	1
9	23-0279D	SCREW M5 L=16	4
10	23-0282D	CONTROL BOX	1
11	23-0283D	SCREW M5 L=12	2
12	23-0284D	SCREW M5 L=30	2
13	23-0285D	HANDWHEEL	1
14	23-0286D	SCREW M6 L=6	2