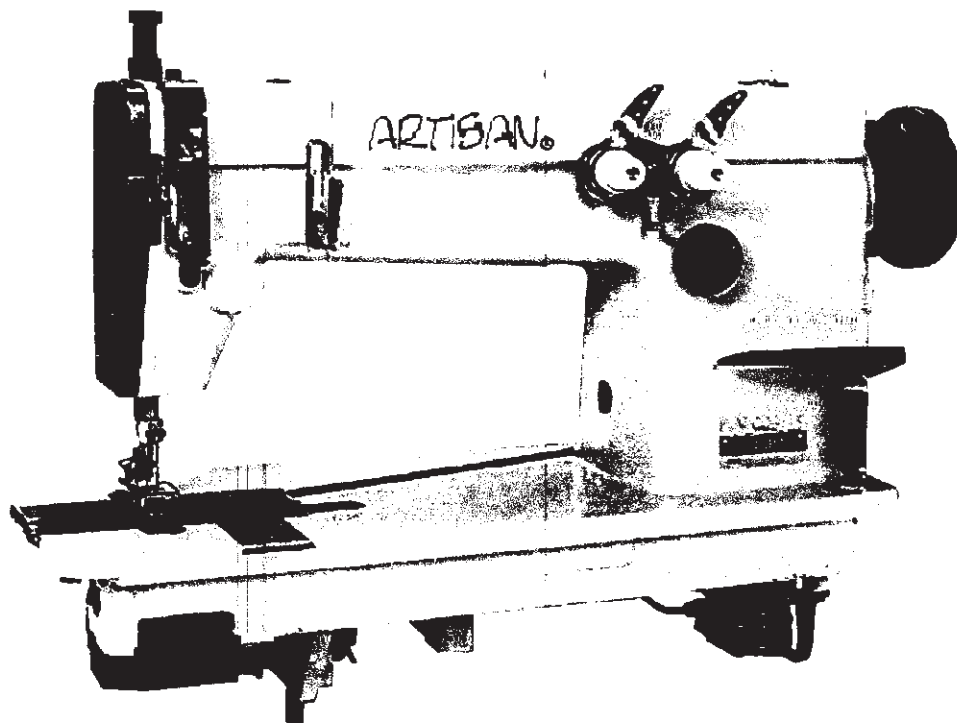


# ARTISAN®



ARTISAN®

380

Operators Manual  
and  
Spare Parts Booklet

We thank you for purchasing the Model MH-380, 382, High Speed, Flat Bed, 2-Needle, Double Chain Stitcher for Industrial Use which is capable of forming up to 6,000 stitches per minutes, and also producing the condensation stitches at the end of a stitch line to prevent it from raveling out.

Furthermore, this model employes a fully automatic lubrication system consisting of a plunger pump as same as that of the model DDL-555.

Before operating this machine, please read through this INSTRUCTION BOOK carefully and fully utilize each function of your machine to the best of your advantage.

### CAUTIONS IN OPERATION

1. Don't put your hand under the needle when you turn the main switch "on" or operate the machine.
2. Don't put your fingers into the thread take-up cover.
3. Don't forget to turn the main switch "off" before you tilt the machine head back or remove the V-belt.
4. Never bring your fingers or hair close to, or place anything on the handwheel, V-belt, or motor during operation. It may lead to serious personal injuries.
5. If your machine is provided with a belt cover, finger guard and eye guard, never operate your machine with any of them removed.

### SPECIFICATIONS

Model	MH-380	MH-382
Sewing type	Double chainstitch with 2-needle (in parallel)	Double chainstitch with 2-needle (in series)
Sewing speed	Max. 6,000 S.P.M.	
Needle	TV x 7, No.9 to No.21	
Stitch length	1.4mm(1/16") to 4mm(5/32")	
Thick stitches	Lever operation	
Stroke of needle bar	30mm(1-3/16")	
Needle gauge	1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 1/2"	Parallel 0 x Series 3/16"
Needle thread take-up	Needle bar thread take-up system	
Presser foot	Same as the presser foot used for model MH-38.	With a chain-off thread presser
Looper	Independently adjustable looper, common to the gauge from 1/8" to 1/2".	
Needle guard	Both rocking type and stationary type	
Presser foot knee lifter	Amount of lift : 8mm(5/16") to 10mm(13/32")	
Lubrication system	Plunger pump	
Oil	New Defrix Oil No. 1	

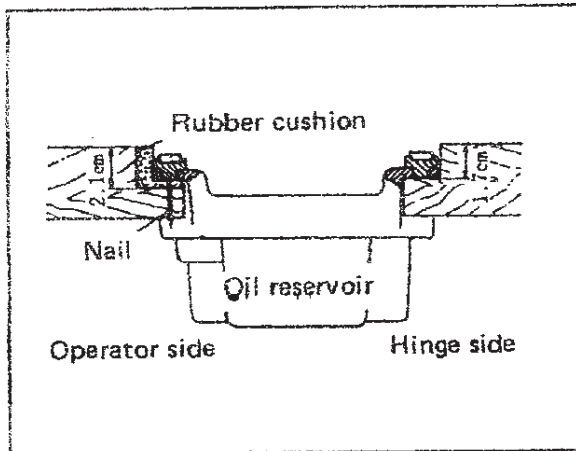
Due to improvements on the mechanisms, the method of operation or specifications may be

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# 1. HOW TO SET UP THE MACHINE

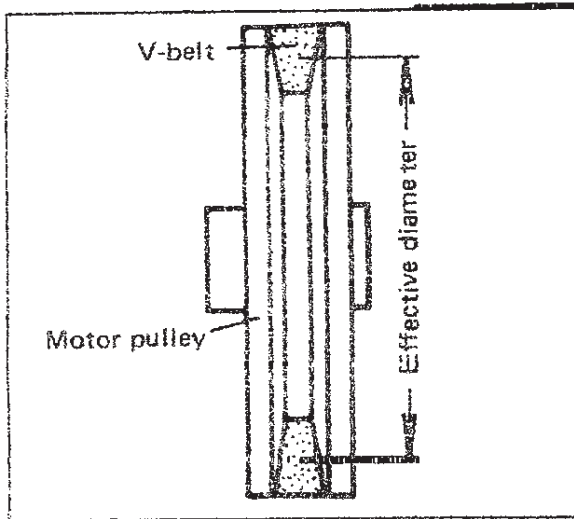
## 1. Installing the oil reservoir



Support the oil reservoir by the protruded 4 corners of the groove on the table, as shown in the drawing.

1. Nail the 2 rubber washers, which support the machine head, on the protruded part on the operator's side of the table.
2. Leave those 2 washers located on the other side (hinge side) as they are.
3. Place the oil reservoir on top.
4. Finally, insert the round felt on top of the rubber cushion.

## 2. Motor pulley and the belt



Both of the models, MH-380 and MH-382, have the maximum sewing speed of 6,000 s.p.m. If you operate the machine constantly at the maximum speed, you must drive it with a 3-phase, A.C. clutch-motor of 550W(3/4HP). But, you may use a 3-phase A.C. clutch-motor of 400W(1/2HP) for the sewing speed of 5,500 s.p.m. or less.

Apply a M-type V-belt for the connection of motor.

\*The relation between the diameter of motor pulley and the sewing speed is shown in the following table.

(The meaning of "Effective diameter of the motor pulley" is a diameter as measured from the center of a V-belt when it is put around the pulley.) The optimum length of the V-belt is between 43 inches.

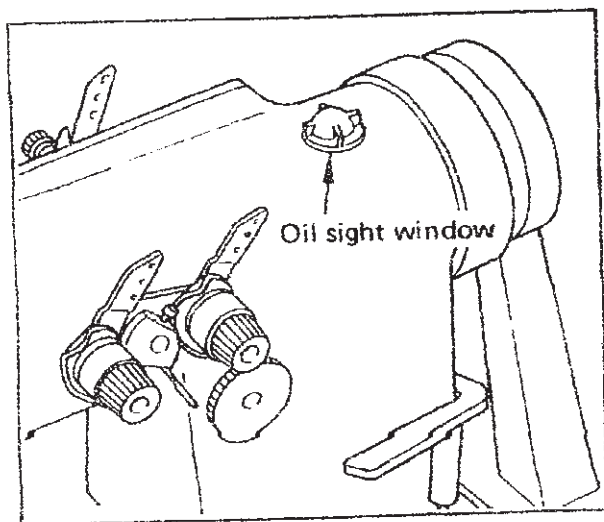
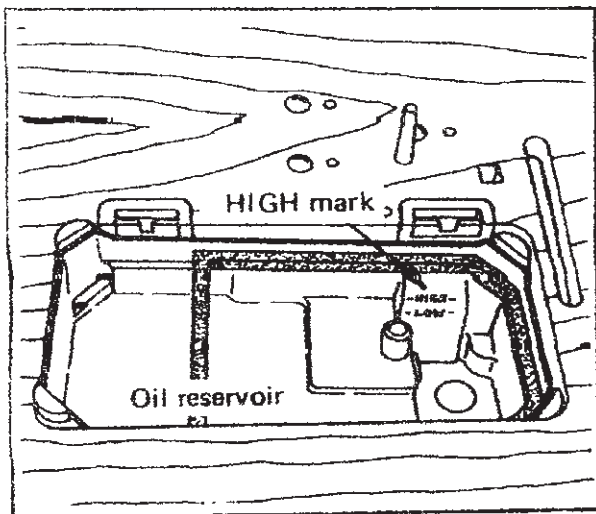
Frequency	Sewing speed	Motor pulley No.	Effective diameter of motor pulley
50 Hz	6,000 s.p.m.	MTKP0140000	140φ
	5,500 s.p.m.	MTKP0130000	130φ
	5,000 s.p.m.	MTKP0120000	120φ
	4,500 s.p.m.	MTKP0110000	110φ
60 Hz	6,000 s.p.m.	MTKP0120000	120φ
	5,500 s.p.m.	MTKP0110000	110φ
	5,000 s.p.m.	MTKP0100000	100φ
	4,500 s.p.m.	MTKP0090000	90φ

## 2. HOW TO OPERATE THE MACHINE

### Important notice for operation

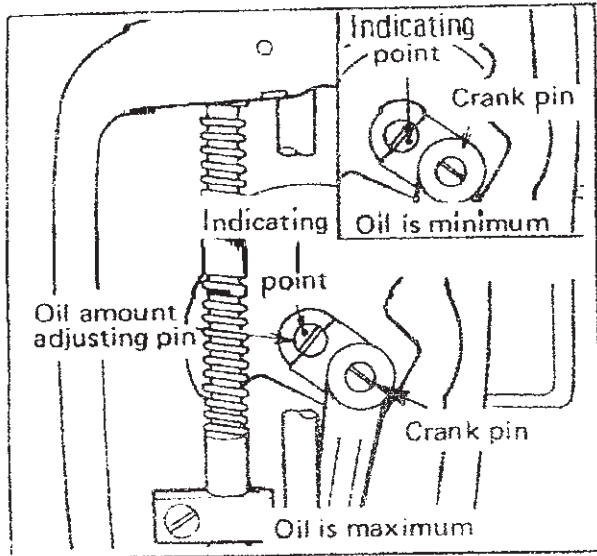
1. Do not start to operate the machine until the oil reservoir is filled up with the sufficient lubricating oil.
2. The rotational direction of the machine must be counterclockwise as seen from the pulley side. Do not rotate it toward the reverse direction by any means.
3. Although the maximum sewing speed is 6,000 s.p.m., operate your machine at a speed of about 4,500 s.p.m. for the first month. Thereafter, you may increase the sewing speed depending on the types of sewing works, sewing materials or thread and the experience of the operators.

### 2. Lubrication



Before starting the machine;

1. Fill up the oil reservoir with New Defrix Oil No.1 up to the level marked "HIGH".
2. Check always if the oil level does not go down below "LOW" mark.
3. As far as the machine is normally lubricated, you can see the oil splashing on the oil sight window.
4. When the oil has become dirty, replace it with fresh oil. Unscrew the oil plug from the oil reservoir when draining.
5. When the machine is to be operated for the first time or after a long period of disuse, give it with an idle run for about 10 minutes at a sewing speed between 3,500 s.p.m. to 4,000 s.p.m. with the presser foot kept at the highest position.



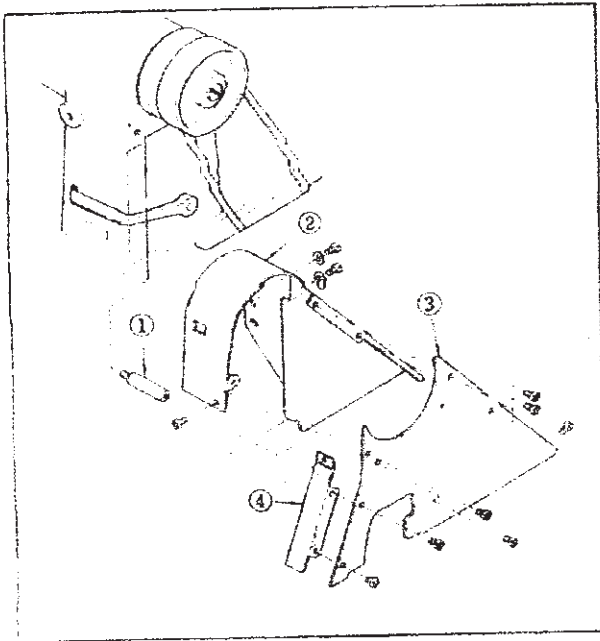
### Adjusting the lubricating amount in the face plate section.

When adjusting the oil amount in the needle bar crank mechanism, remove the face plate, and turn the oil adjusting pin located at the main shaft end.

1. When the indicating spot on the adjusting pin is brought closer to the crank pin, the oil amount is minimized.
2. When the indicating spot is brought to the far side of the crank pin, the oil amount is maximized.

(Note) You must adjust it carefully, considering that the oil amount does not change immediately after the adjustment.

### 2-1 Installing the belt cover

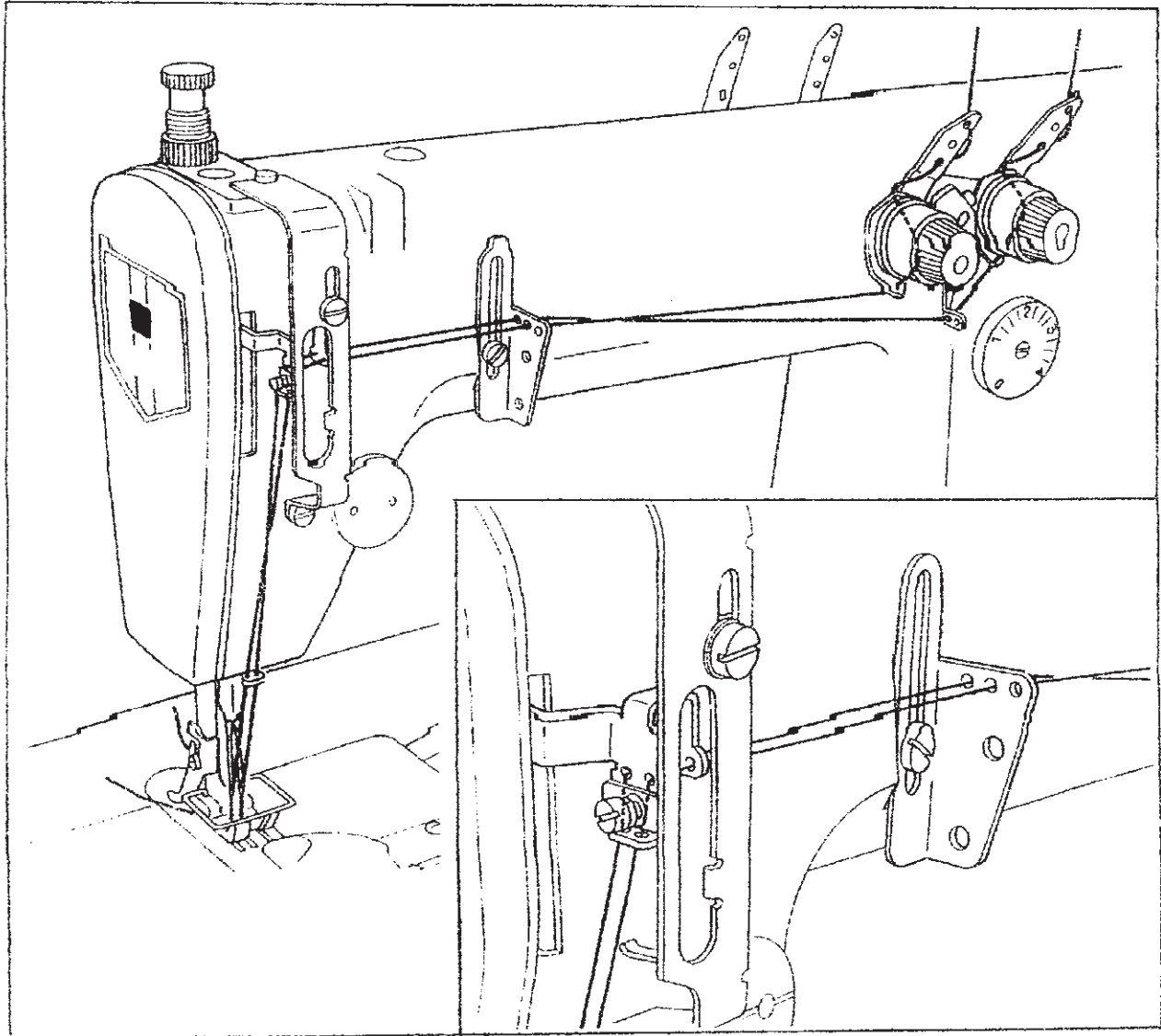


1. Screw belt cover support ① into the tapped hole in the arm.
2. Attach belt cover ② to the machine head, using the setscrew.
3. Slightly tilt the machine head backward, put belt cover top ③ inside the outer ring of the pulley, then fix belt cover top ③ with four screws.
4. Fix belt cover top ③ to support ①.
5. Loosen the setscrew of the belt cover. Properly position belt cover ②, then screw the belt cover.
6. Fix thread winder cover ④ with three screws.

### .. Passing the needle thread

Pass the needle thread in accordance with the order shown in the illustration after the needle bar has been brought up to its highest position.

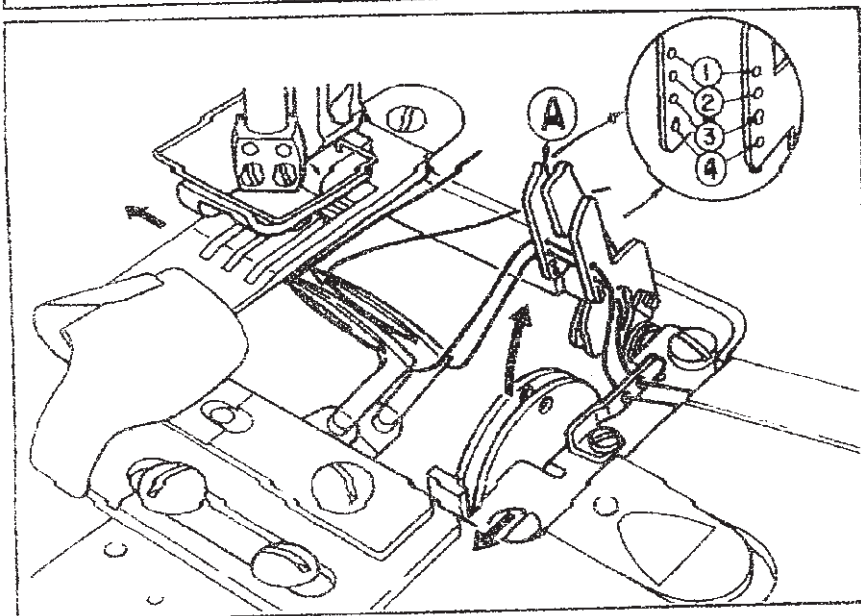
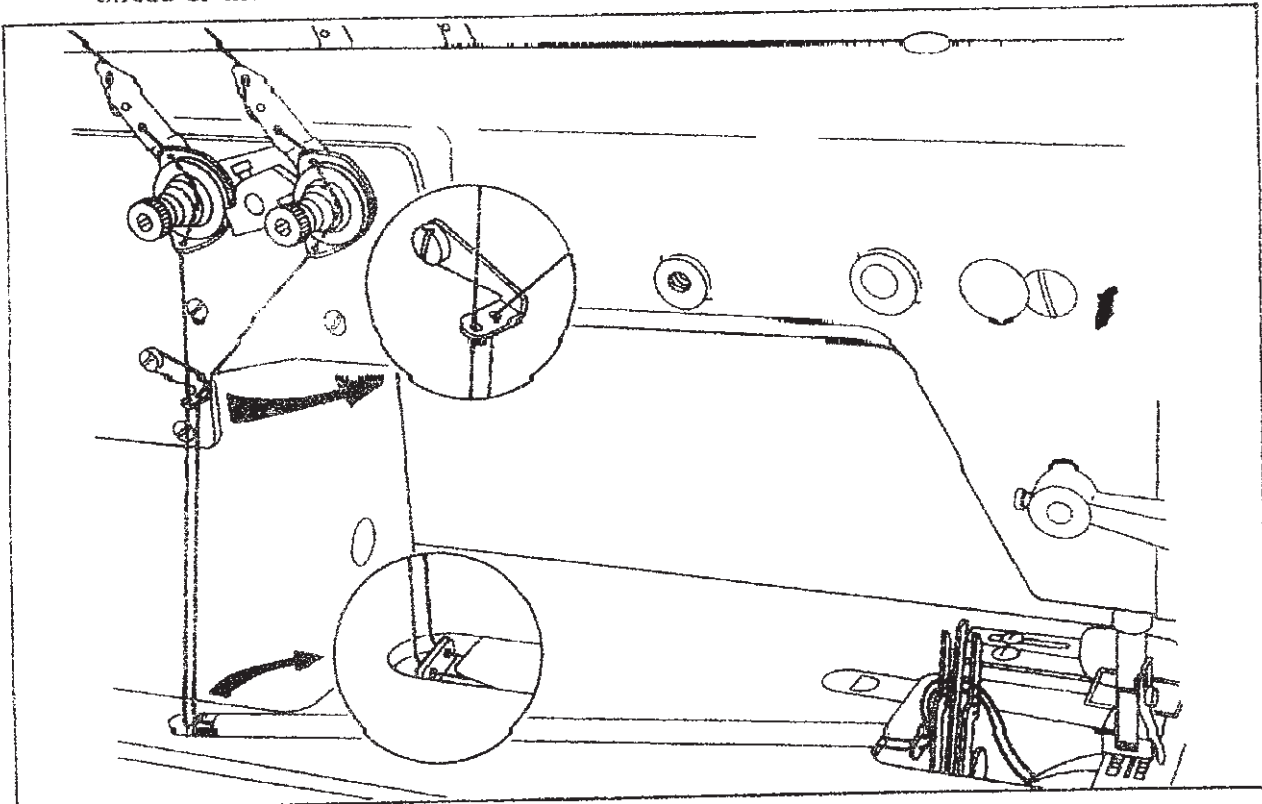
1. At the needle, pass the needle thread from the operator's side toward the far side.
2. Pull the thread out of the needle eye by about 10cm(4").



#### 4. Passing the looper thread

Pass the thread as shown in the following illustration.

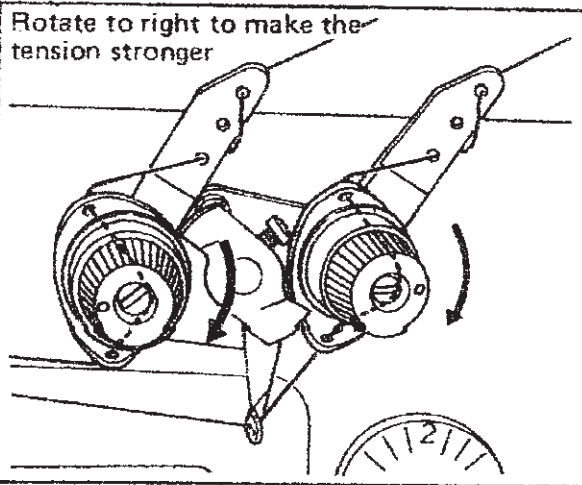
1. Pass the thread through the looper thread guide plate as shown in the illustration. When a tightly twisted thread is used or when a stitch is long, wind it twice.
2. When the plate spring is pulled toward you, (A) will rise. There are 4 threading holes on (A). These 4 threading holes must be used depending on the characteristics of each thread to be used. Threading holes ① and ② are used for the elastic threads such as wooly nylon etc. or for producing a longer stitch than 3mm(1/8"). On the other hand, the holes ③ and ④ are used for the non-elastic threads like a cotton thread or the like.



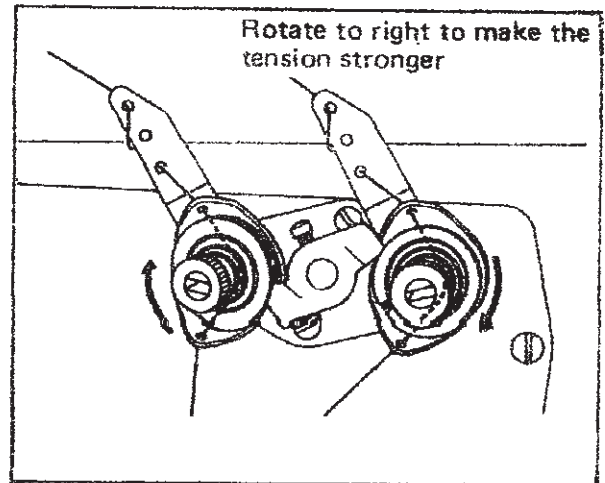
3. When passing a thread through the looper, use a pair of tweezers stored in the accessory box and pull the thread out of the looper by about 5cm (1-31/32").

## 5. Adjusting the thread tension

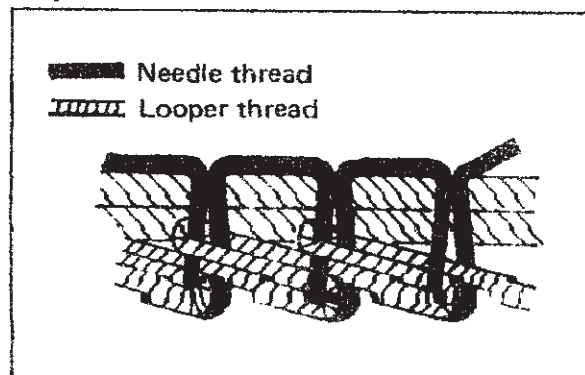
### Needle thread tension



### Looper thread tension

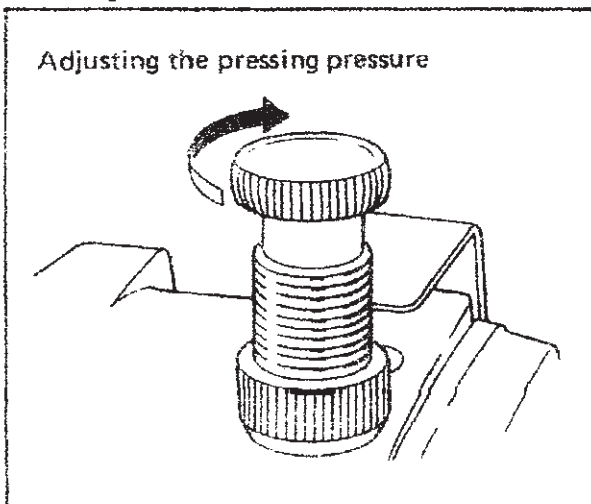


### Relation between the needle thread and the looper thread



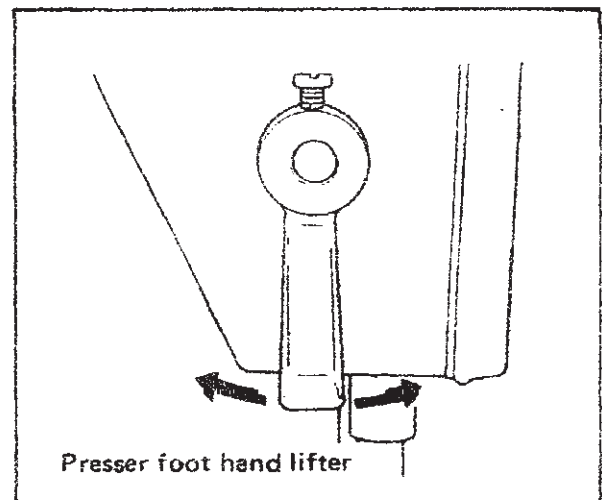
## 6. Adjusting the presser foot

### Pressing force of the foot



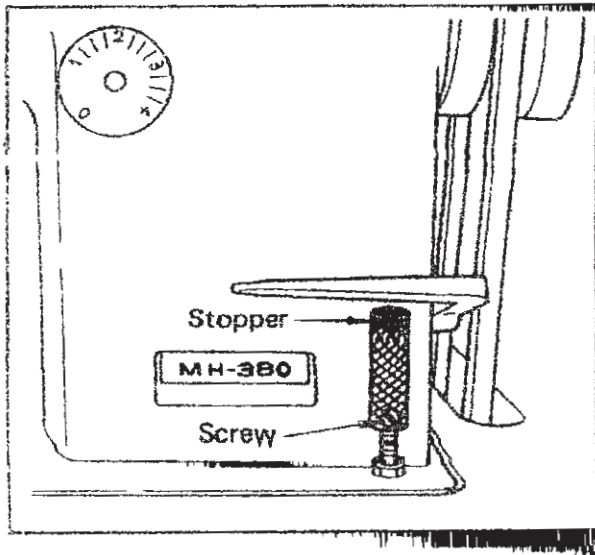
Turn the adjusting screw clockwise for increasing the pressing force and counterclockwise for decreasing it. The standard force is about 5 Kg (11 lbs).

### Presser foot hand lifter



In order to hold the presser foot at the highest position, turn this hand lifter either to left or right.

## 7. Adjusting the stitch length



Rotate the feed regulator dial located on the machine head just above the thick-stitch control lever.

Each figure on the feed regulator dial represents the stitch length in millimeter (mm).

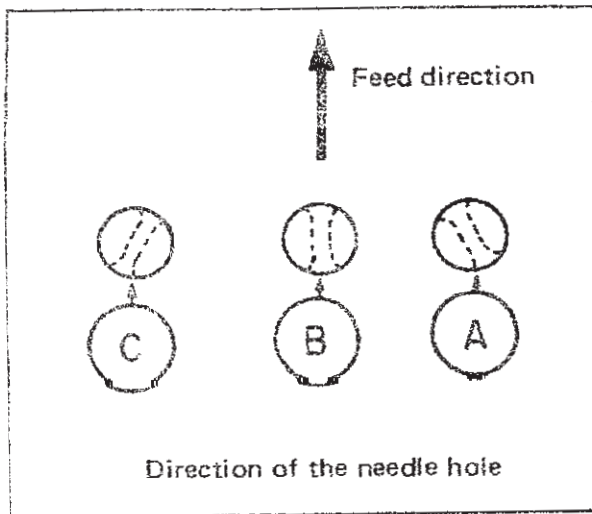
1. Rotate the feed regulator dial either to left or right and,
2. Set a desired stitch length to the pin protruding from the machine head.

\*The maximum stitch length is 4mm(5/32").

3. You can produce the condensation stitch (1.4mm or 1/16") by pressing down the control lever. This condensation stitch is quite useful for reinforcing the stitch lines

at starting and ending thereof and reinforce sewing in each part.

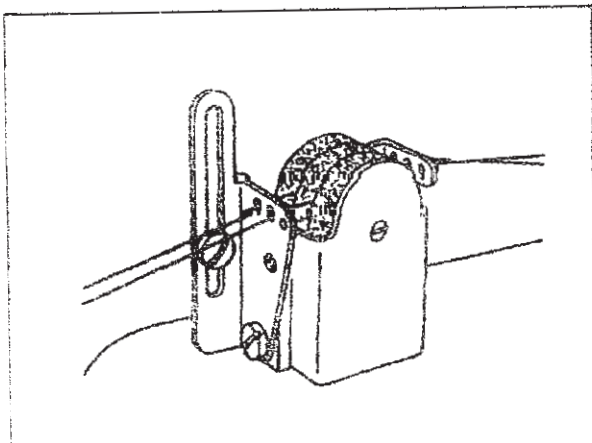
## 8. Setting the needle



Set the needles to it's position so that the needle eye is aligned with the feeding direction by the illustration ③.

Do not put it like ① especially in the case of synthetic thread. Use a needle of TV x 7 from No.9 to No.21.

## 9. Silicon oil lubricant unit (Optional)

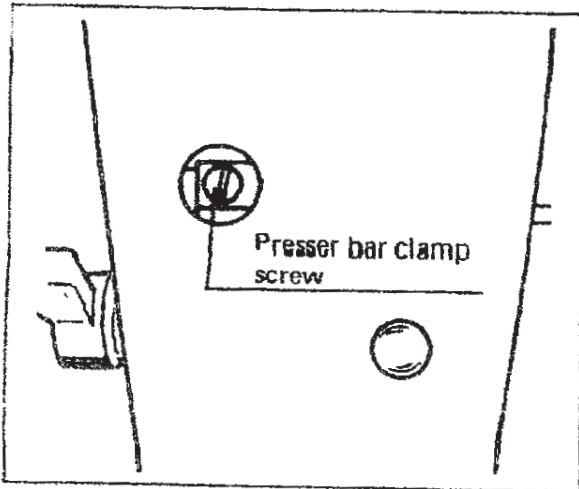


Silicon oil lubricant unit as shown in the illustration, which is useful for synthetic thread, is available as an optional part.

We are ready to ship upon your separate order.

### 3. HOW TO ADJUST THE MACHINE

#### 1. Adjusting the presser foot and the feed dog.



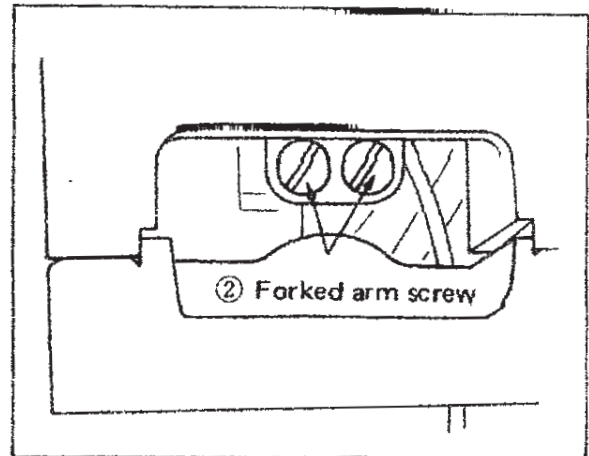
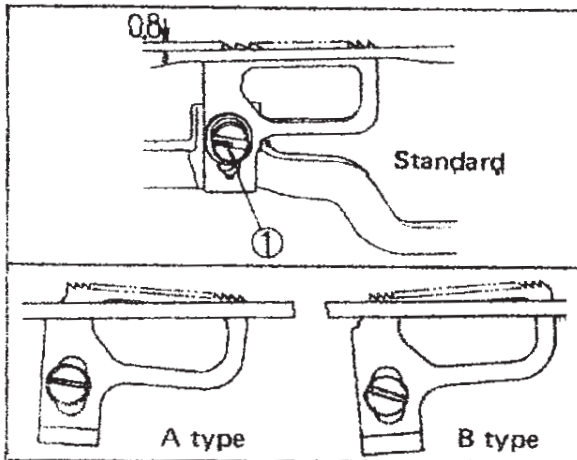
#### Height and angle of the presser bar

When you need to adjust the position of the presser foot by changing the height and the angle of the presser bar, for example after a presser foot was replaced, do it in the following way:

1. Remove the rubber plug from the face plate.
2. Insert a screw driver through the hole, loosen the clamping screw on the presser bar and adjust the height and angle.
3. After adjustment, securely tighten the clamping screw.

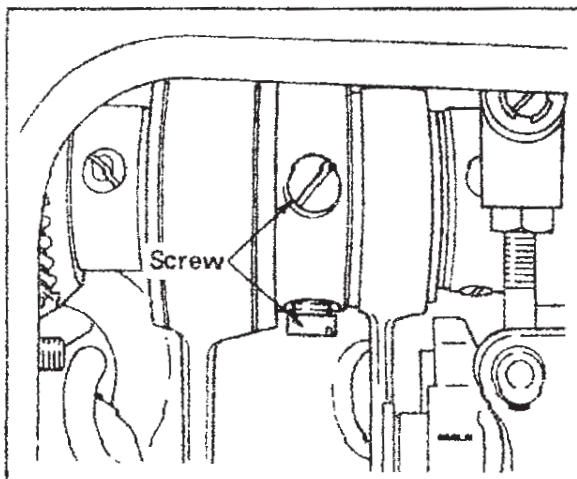
#### Feed dog

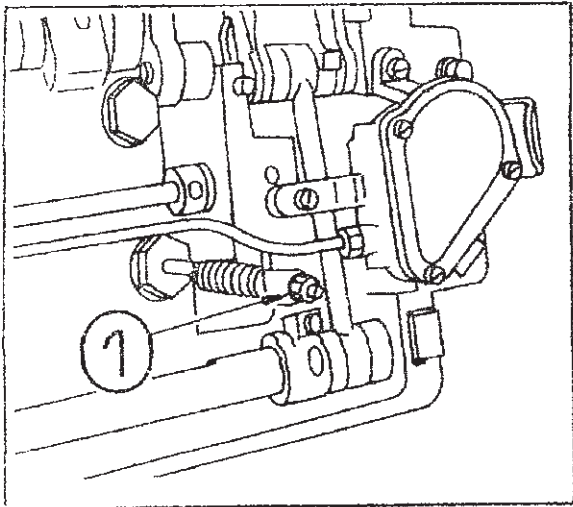
The feed dog can be tilted in either way of type A or type B, as shown in the illustration, beside of the horizontal position, by loosening the screws ②. The protrusion of the feed dog from the surface of the throat plate can be adjusted by turning the screw ①, but the maximum protrusion is 0.8mm(1/32").



#### Timing of the motions between feed dog and needle

Adjust the position of the feed dog by means of the screws shown in the figure so that it is brought down completely below the level of the throat plate surface when the needle has come down to 3mm(1/8") the level of the throat plate surface.



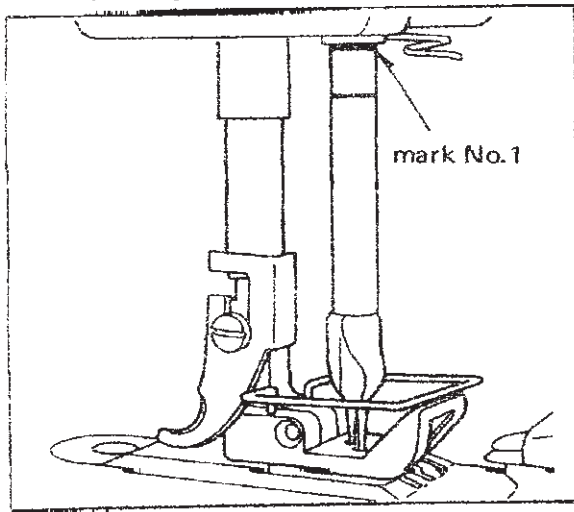


### Counter force of the feed lever

The counter force of the feed lever produced by a spring has been set sufficiently enough so as to bring the lever back to its original position positively regardless of the stitch length at a high speed operation.

When you want to lessen the pressing force for sewing with the smaller stitches or for operating the machine at a lower speed, you can adjust the counter force by loosening the adjusting nut ① shown in the illustration.

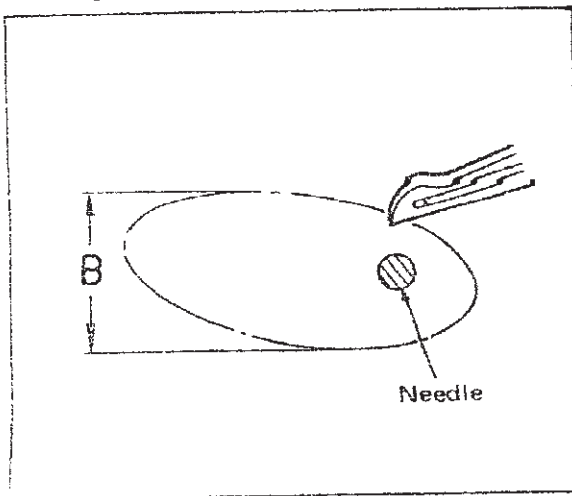
### 2. Adjusting the needle bar and the needle



### Height of the needle bar

When ORGAN needles (TV x 7) are attached, use the engraved lines shown in the illustration for the height adjustment of the needle bar. Adjust the height of needle bar so that the engraved line (the mark No.1) comes to the same level as the bottom surface of the needle bar lower bushing when the needle bar has reached to its bottom dead point. (Please note that the vertical distance between the needle point and the top surface of the throat plate becomes 9.5mm(3/8") after this adjustment.)

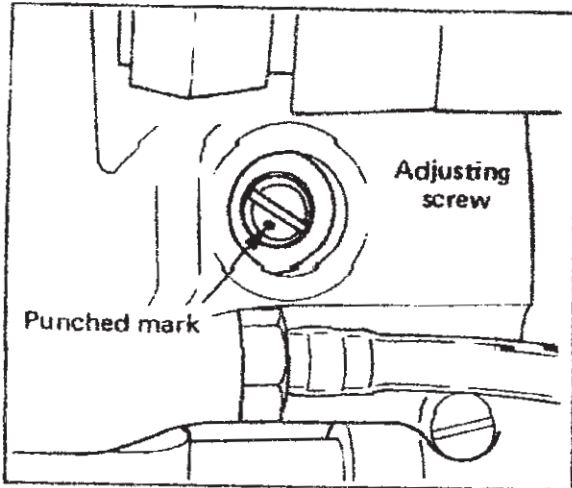
### 3. Adjusting the looper with the needle



### Looper avoiding motion

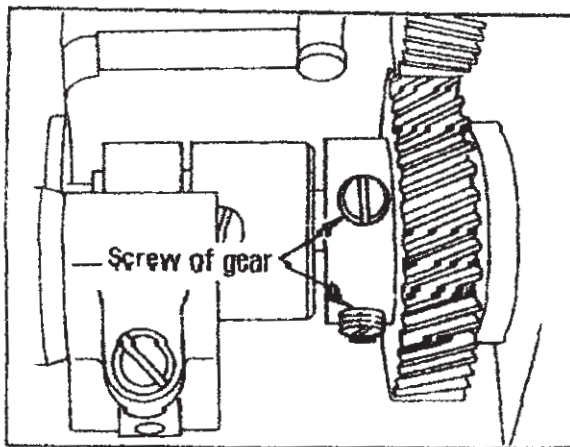
The looper avoiding motion with a distance from the front to the rear of the needle position (the distance represented by "B" on the illustration) can be adjusted in the way mentioned below.

With the maximum "B" distance of 3.7mm (9/64"), normally you may be able to form stitches using any number of needle.



1. Remove the rubber cap.
2. Rotate the hand wheel manually.
3. The heads of the plated adjusting screw, flat headed screw and clamp screw will be appearing one after another. Firstly, loosen the flat headed and clamp screws.
4. The said "B" distance will be increased by bringing the marked spot on the adjusting screw to it's right side.

Finally, securely tighten the clamp screw after tightening the flat headed screw at the optimum position.



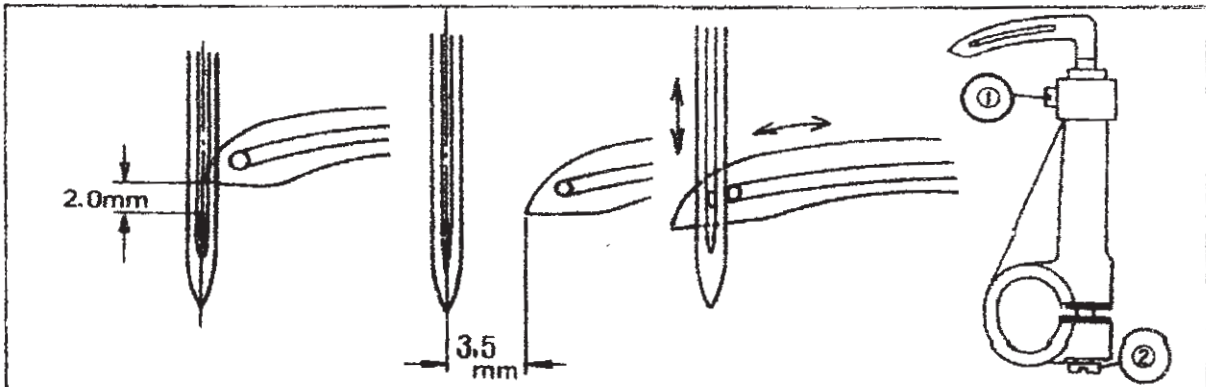
#### Timing of the looper

The looper will reach it's extremely right position when the needle has attained it's bottom dead point.

This adjustment can be made by loosening the set screw of the gear as shown in the illustration.

#### Motion of the looper to hook up the thread

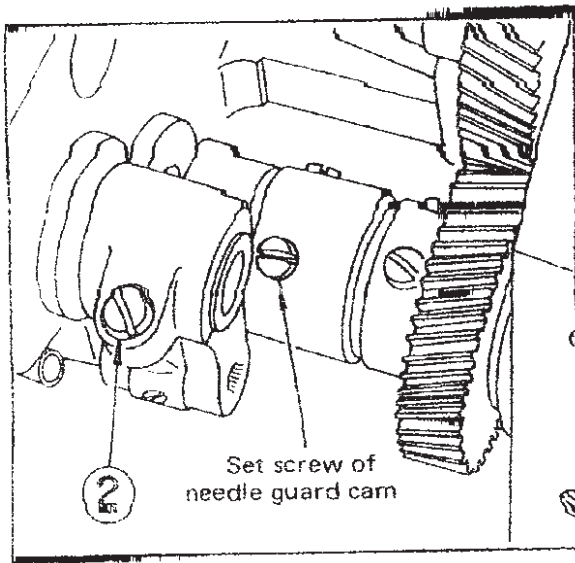
When the looper point has reached the center of the needle, the standard vertical distance from the looper point to the upper end of the needle eye is 2.0mm(5/64"). Adjust the looper position so that it's point comes to the center of the needle when the No.2 engraved line on the needle bar coincides with the level of bottom surface of the needle bar lower bushing. And the backward stroke of the looper will become 3.5mm(9/64") and the needle eye and the looper eye will be positioned as shown in the drawing. You can adjust the positions of left and right loopers independently.



#### Clearance between the needle and the looper

After adjusting the needle guard, verify that the needle does not come into contact with the looper point even through the needle is pushed lightly with your finger. If the clearance is not adequate, they will be in contact with each other and the damage will be caused.

#### 4. Matching the motion of the needle guards with the loop guide



##### The timing of the needle guard

The timing of the needle guard is determined by matching the set screw (the first set screw) with the flat part of the shaft as shown in the illustration.

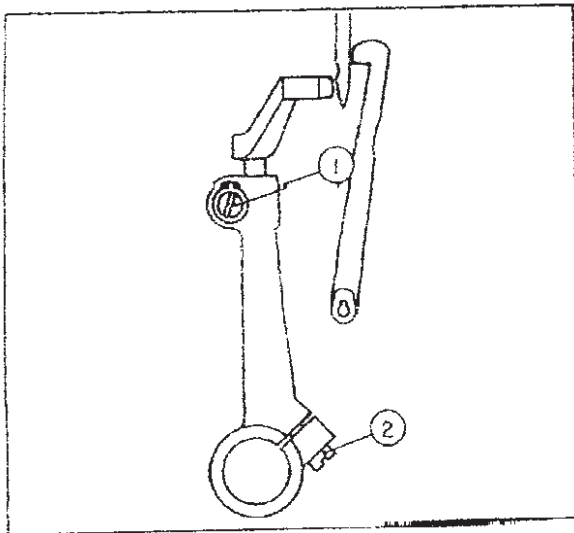
##### Position of the rocking needle guard

This adjustment can be done after the set screws ① and ② have been loosened.

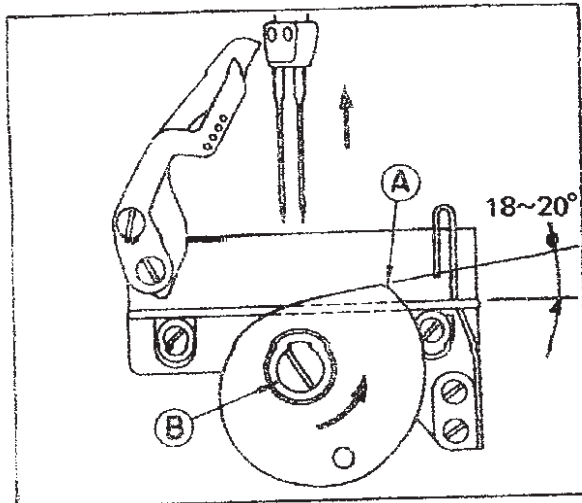
Adjust the position of the rocking needle guard so that the needle lightly touches it when the looper picks up the needle thread and give it with a suitable height so as to keep it from touching the stationary needle guard.

The illustration shows the relative position between the rocking and stationary needle guards. The needle guards must be kept away from a needle with a distance of 0.1mm to 0.2mm so that they are not allowed to tightly hold the needle during operation.

Especially in the case of model MH-382, you must adjust the needle guard with care so as to let them work efficiently to the rear needle.



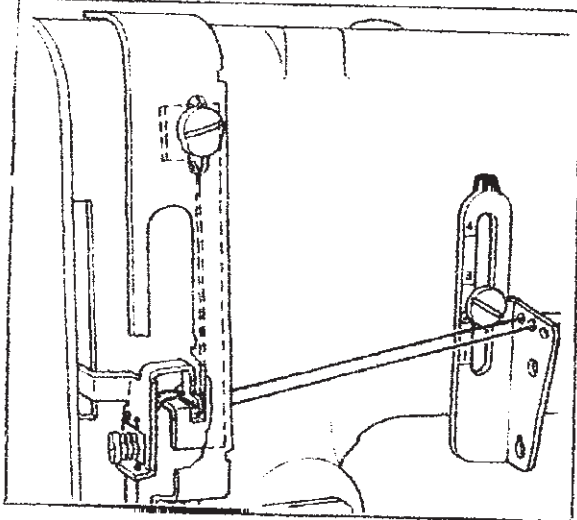
#### 5. Positioning the looper thread take-up



Loosen the screw ② and adjust the looper thread take-up so that its recessed section is in parallel with the cast-off wire or that its sharp edge ① is tilted slightly upwards when the needle bar has reached its top dead point.

Do not forget to re-tighten the screw ② after adjustment and also to make sure that the needle point comes down through a triangular loop formed by the looper thread, as shown in the Figure, when the looper thread is escaping from the sharp edge ① of the on looper thread take-up cam.

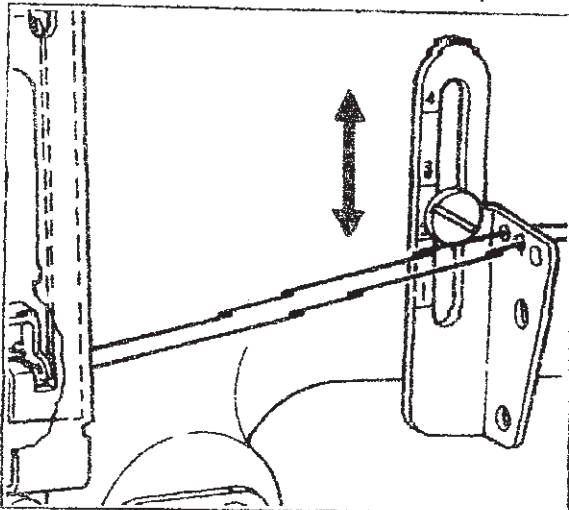
### 6. Position of the thread take-up lever



A larger loop is formed by the needle thread and, at the same time, a formed loop is more tightened by adjusting the motion of the thread take-up lever in such a manner as to haul the needle thread upwards, as shown in the illustration, when the needle bar has reached its bottom dead point.

When a thin thread is used, you must bring the thread take-up lever down to the lowest position.

### 7. Position of the frame thread eyelet



The setting position of the frame thread eyelet may cause some faulty stitches like a skipped stitch. To prevent such faulty stitches, we recommend you to use the following graduation depending on the type of threads:

Cotton thread No.80 to No.50 :

Frame thread eyelet graduation 2 to 3

Cotton thread No.30 to No.20 :

Frame thread eyelet graduation 3 to 4

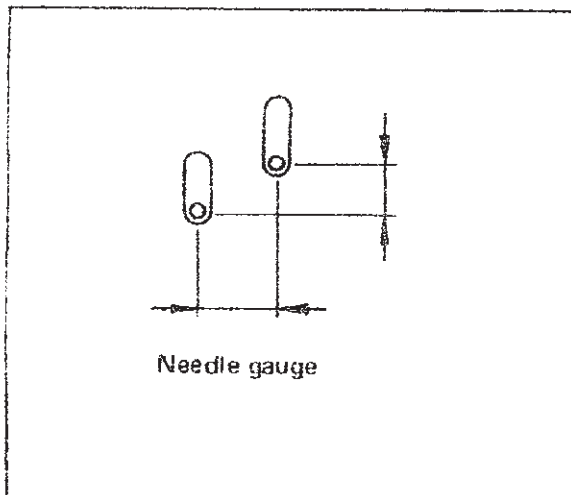
Synthetic thread No.80 to No.50 :

Frame thread eyelet graduation 1 to 2

Synthetic thread No.30 to No.20 :

Frame thread eyelet graduation 2 to 3

### 8. Alternation of the needle gauge



The standard needle gauge of MH-380 is 1/4" (6.4mm).

When changing the needle gauge, 1) Needle clamp, 2) Presser foot, 3) Throat plate, 4) Feed dog, 5) Rocking needle guard and 6) Binder must accordingly be replaced.

The left and right loopers are commonly used for the gauges from 1/8" to 1/2".

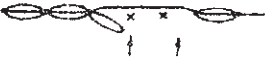

If any gauge larger than the above may be used, the bed slide and the cam cover must also be replaced in addition to the above parts.



## 4. MAINTENANCE OF THE MACHINE

In order to keep your machine in the best condition constantly, the following maintenance is essential:

1. Daily checkup
  - Verify that the lubricating oil is properly circulating by watching it through the oil sight window.
  - If you hear any unusual noise during operation, you have to ask for a thorough check by your maintenance engineer.
2. Weekly checkup
  - \* Detach the throat plate, bed slide and cam cover and remove any dust from the teeth of the feed dog with a brush.
  - \* Tilt the machine head backwards and,
    - 1) Remove any fibrous dust from the oil pump filter screen and the oil reservoir.
    - 2) When the lubrication oil has become dirty, drain it through the oil drain screw cap and fill it with new DEFRIX OIL No.1.
    - 3) Verify that the oil level is above "LOW" mark.
    - 4) Clean up the oil reservoir magnet with a cloth.

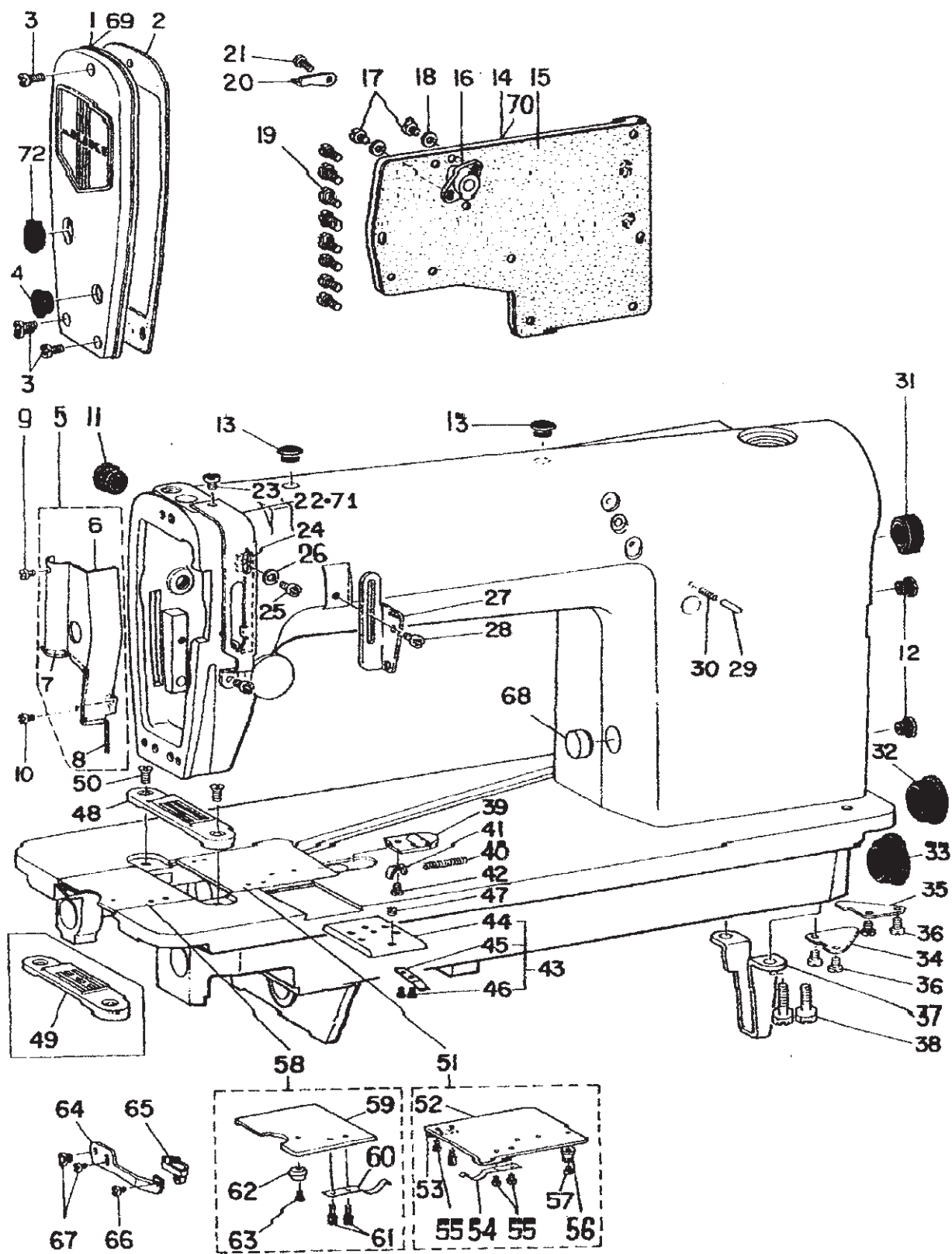
## 5. TROUBLES AND THEIR CORRECTIVE MEASURES

No. Troubles	Causes	Corrective measures	Ref. pages
1. Thread breakage	<ol style="list-style-type: none"> <li>1. Thread quality is poor.</li> <li>2. Thread is too thick for the needle.</li> <li>3. Thread breakage due to the heated needle.</li> <li>4. Thread tension is too high.</li> <li>5. Thread path of needle, looper, throat plate or needle guard is bruised.</li> <li>6. Excessive thread is remained and hooked again.</li> </ol>	<ol style="list-style-type: none"> <li>1. Use another thread of better quality.</li> <li>2. Change such thread or needle.</li> <li>3. This occurs on synthetic fiber thread. Apply silicon oil lubricant or reduce the sewing speed.</li> <li>4. Lessen the thread tension.</li> <li>5. Make them smooth by means of oilstone or buffing.</li> <li>6. Activate the thread take-up tension lever.</li> </ol>	6     12
2. Skip-stitch	<ol style="list-style-type: none"> <li>1. Two consecutive                     <div style="text-align: center; margin: 10px 0;">  </div> <p>stitches are skipped on the needle thread. (This trouble is caused when the looper failed to hook the needle thread.)</p> <div style="text-align: center; margin: 10px 0;">  </div> </li> </ol>	<ol style="list-style-type: none"> <li>1. Verify the looper motion.</li> <li>2. Verify the clearance between the looper and the needle.</li> <li>3. Check the timing of the looper and the needle.</li> <li>4. Re-adjust the frame thread eyelet.</li> <li>5. Try to increase the tension of the thread take-up lever depending upon the type of thread.</li> <li>6. Verify the needle is attached correctly.</li> <li>7. Check the position and the timing of the needle guard.</li> <li>8. Verify the thread is correctly passed through.</li> </ol>	10 10 10 12 10 7 11 4, 5

No. Troubles	Causes	Corrective measures	Ref. pages
	<p>2. An independent seam is skipped on the looper thread.</p>  <p>Needle Looper</p> <p>This trouble is caused when the needle failed to come down through a triangular loop formed by the looper thread.</p> <p>3. Seam is skipped on the needle thread due to insufficient interlooping.</p>  <p>Needle Looper</p> <p>This trouble is caused when the needle thread is inclined extremely to the left. If it is caused in the use of a chemical and synthetic fiber thread.</p>	<p>1. Refer to the above ① and ②. 2. Check the timing of the looper thread take-up. 3. Increase the looper thread tension slightly. 4. Verify the thread is correctly passed through.</p> <p>1. Refer to the above ① and ②.</p> <p>1. Reduce the sewing speed. 2. Apply silicon oil lubricant. 3. Use a needle for chemical fiber threads.</p> <p>1. Reduce the sewing speed. 2. Apply silicon oil lubricant.</p>	<p>11 6 4, 5</p>
<p>3. Inadequate tightness of stitches</p>	<p>1. Needle thread tension is too low. 2. Looper thread tension is too high. 3. Looper thread take-up does not supply a sufficient length of thread.</p>	<p>1. Tighten the needle thread tension nut. 2. Loosen the looper thread tension nut. 3. Change the threading order in the looper thread guide.</p>	<p>6 6 11</p>

No. Troubles	Causes	Corrective measures	Ref. pages
	<ol style="list-style-type: none"> <li>4. Thread is too thick for the needle size.</li> <li>5. Set position of the frame thread eyelet is not suitable.</li> <li>6. Position of the thread take-up lever is not suitable.</li> <li>7. Throat plate does not fit.</li> </ol>	<ol style="list-style-type: none"> <li>4. Try to use a different needle.</li> <li>5. Try to lower the position.</li> <li>6. Try to push it up.</li> <li>7. Replace it with other throat plate which has larger needle hole.</li> </ol>	<p>7</p> <p>12</p> <p>12</p>
4. Needle breakage	<ol style="list-style-type: none"> <li>1. Needle is bent.</li> <li>2. The timing of the needle motion with that of needle is not correct.</li> <li>3. Position of the presser foot is wrong.</li> <li>4. Motion of the needle guard is not adequate.</li> <li>5. The tension of needle thread is too high.</li> <li>6. Thickness of the needle is not suitable.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace it with a straight needle.</li> <li>2. Adjust the timing.</li> <li>3. Align the needle holes on the throat plate and the presser foot with the center line of the needle.</li> <li>4. Check the position and timing of the motion of the needle guard.</li> <li>5. Loosen the tension.</li> <li>6. Replace it with a suitable needle in accordance with the quality and weight of the sewing material.</li> </ol>	<p>7</p> <p>11</p> <p>11</p> <p>6</p> <p>7</p>
5. Puckering	<ol style="list-style-type: none"> <li>1. Thread tension is too high.</li> <li>2. Timing of the looper thread take-up is wrong.</li> <li>3. Thread paths are not smooth.</li> <li>4. Pressing force of the presser foot is too much.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reduce the thread tension, especially the looper thread.</li> <li>2. Adjust it, if necessary.</li> <li>3. Make them smooth.</li> <li>4. Adjust it by loosening the presser spring regulator.</li> </ol>	<p>13</p> <p>11</p> <p>6</p>

1. MACHINE FRAME & MISCELLANEOUS COVER COMPONENTS  
 頭部外裝關係



REF. NO	NOTE	PART NO.	DESCRIPTION	ヒ ヅ メ イ	Qty
1		B1121-552-0A0	FACE PLATE ASM.	メンイタ クミ	1
2		B1122-552-000	FACE PLATE GASKET	メンイタ ア°ウキン	1
3		SS-4111015-SP	SCREW 11/64-40 L=10	ナ°ネジ 11/64-40 L=10	3
4		TA-1250406-RO	RUBBER PLUG	トメセン D=12.5 L=4	1
5		B1130-481-0A0	ARM OIL SHIELD ASM.	メンブ° エキ°-ア°ン クミ	1
6		B1130-481-000-A	ARM OIL SHIELD	メンブ° エキ°-イタ	(1)
7		B1131-481-000	NON-WOVEN FABRIC	メンブ° エキ°-ア°ン ア°イリ-ン	(1)
8		B1132-481-000	OIL WICK	メンブ° エキ°-ア°ン エジシ	(1)
9		SS-6080320-SP	SCREW 1/8-44 L=2.5	ヒラネジ 1/8-44 L=2.5	1
10		SS-4110515-SP	SCREW 11/64-40 L=5	ナ°ネジ 11/64-40 L=5	1
11		TA-1250705-RO	RUBBER PLUG	トメセン	1
12		TA-0750704-RO	RUBBER PLUG	トメセン	2
13		TA-1050504-RO	RUBBER PLUG	トメセン	2
14		B1118-481-000	SIDE PLATE	マト°イタ	1
15		B1119-481-000	GASKET	マト°イタ ア°ウキン	1
16		D3111-481-C00-A	TENSION RELEASE SHAFT BUSHING	イトスルメ シ°ウケ	1
17		SS-6090630-SP	SCREW 9/64-40 L=6	ヒラネジ 9/64-40 L=6	2
18		B3534-012-000	GASKET	ア°ウキン	2
19		SS-4110815-SP	SCREW 11/64-40 L=8	ナ°ネジ 11/64-40 L=8	8
20		B3122-481-000	FRAME THREAD GUIDE	イトアソナイ	1
21		SS-4110515-SP	SCREW 11/64-40 L=5	ナ°ネジ 11/64-40 L=5	1
22		B1904-481-000	THREAD TAKE-UP LEVER GUARD	テンヒンカハ-	1
23		SS-4110515-SP	SCREW 11/64-40 L=5	ナ°ネジ 11/64-40 L=5	2
24		B1903-481-000	TAKE-UP THREAD TENSION LEVER	テンヒン レバ-	1
25		SS-4110515-SP	SCREW 11/64-40 L=5	ナ°ネジ 11/64-40 L=5	1
26		WP-0480856-SP	WASHER 4.8X8.4X0.8	ヒラネジ°ネ 4.8X8.4X0.8	1
27		B1905-380-000	FRAME THREAD EYELET	チュー-ン イトアソナイ	1
28		SS-4110515-SP	SCREW 11/64-40 L=5	ナ°ネジ 11/64-40 L=5	1
29		110-52701	PIN	オクリ チヨウセツ ピン	1
30		B1148-555-000	SPRING	オクリ チヨウセツ ヒンア°ネ	1
31		TA-2101002-RO	RUBBER PLUG	トメセン	1
32		TA-2351305-RO	RUBBER PLUG	トメセン D=23.5 L=11.5	2
33		TA-2351004-RO	RUBBER PLUG	トメセン	1
34		B1134-481-000	BED OIL SHIELD	ア°ワト 7ホ°-ア°ン	1
35		B1135-481-000	BED OIL SHIELD (B)	ア°ワト エキ°-ア°ン B	1
36		SS-7110510-SP	SCREW 11/64-40 L=5	マホヒラネジ 11/64-40 L=5	4
37		B1106-122-000	BED SUPPORT PLATE	ア°ワト シ°ア°ン	1
38		SS-9151440-CP	SCREW 15/64-28 L=14	ロウカクネ°ネ 15/64-28 L=14	2
39		B1110-481-000-A	CAM COVER LATCH	カムカハ°- オサエ	1
40		B1111-481-000	SPRING	カムカハ°- オサエア°ネ	1
41		B1112-481-000-A	SPRING SUSPENSION	カムカハ°- オサエ ア°ネカケ	1
42		SS-6080320-SP	SCREW 1/8-44 L=2.5	ヒラネジ 1/8-44 L=2.5	1
43		B1111-380-0A0	ATTACHMENT INSTALLING PLATE AS	アタケチメント トリツケイタ クミ	1
44		B1111-380-000	ATTACHMENT INSTALLING PLATE	アタケチメント トリツケイタ	(1)
45		B1112-380-000	SPRING	アタケチメント トリツケイタ°ネ	(1)
46		SS-6060220-SP	SCREW 3/32-56 L=2.0	ヒラネジ 3/32-56 L=2	(2)
47		SS-8150310-SP	SCREW 15/64-28 L=3.4	トメネジ 15/64-28 L=3.4	1
48	#01	B1103-380-F00	THROAT PLATE 1/4"	ナリイタ 1/4	1
49	#02	B1103-382-000	THROAT PLATE	ナリイタ	1
50		SS-2110920-TP	SCREW 11/64-40 L=8.5	マホヒラネジ 11/64-40 L=8.5	2
51		B1108-380-BA0	CAM COVER ASM.	カムカハ°- クミ	1
52		B1108-380-B00	CAM COVER	カムカハ°-	(1)
53		B1108-481-000	CAM COVER SUPPORT	カムカハ°- オサエ	(1)
54		B1109-481-000	SPRING	カムカハ°- ア°ネ	(1)
55		SS-6060210-SP	SCREW 3/32-56 L=1.9	ヒラネジ 3/32-56 L=1.9	(4)
56		B1107-481-000	CAM COVER GUIDE	カムカハ°- アソナイ	(1)
57		SS-6060340-SP	SCREW 3/32-56 L=2.5	ヒラネジ 3/32-56 L=2.5	(1)
58		B1104-380-AA0	BED SLIDE ASM.	ス°アリイタ クミ	1
59		B1104-380-A00	BED SLIDE	ス°アリイタ	(1)
60		B1115-380-000	SPRING	ス°アリイタ ア°ネ	(1)
61		SS-6060210-SP	SCREW 3/32-56 L=1.9	ヒラネジ 3/32-56 L=1.9	(2)
62		B1107-380-000	BED SLIDE GUIDE	ス°アリイタ アソナイ	(1)
63		SS-6060340-SP	SCREW 3/32-56 L=2.5	ヒラネジ 3/32-56 L=2.5	(1)
64		B1105-380-000	BED SLIDE STOPPER	ス°アリイタロウカクネ°ネ	1
65		B1106-380-000	LATCH	トフテ	1
66		SS-4080415-SP	SCREW 1/8-44 L=4	ナ°ネジ 1/8-44 L=4	1
67		SS-4110515-SP	SCREW 11/64-40 L=5	ナ°ネジ 11/64-40 L=5	2
68		TA-1750502-RO	RUBBER PLUG	アタキヤワア° 17.5X5	1
69	#03	B1121-552-00A	FACE PLATE	メンイタ	1
70	#03	B1118-481-00A	SIDE PLATE	マト°イタ	1
71	#03	B1904-481-00A	THREAD TAKE-UP LEVER COVER	テンヒンカハ°-	1
72		TA-2050406-RO	RUBBER PLUG	トメセン	1

Note (注記) #01.....FOR MH-380

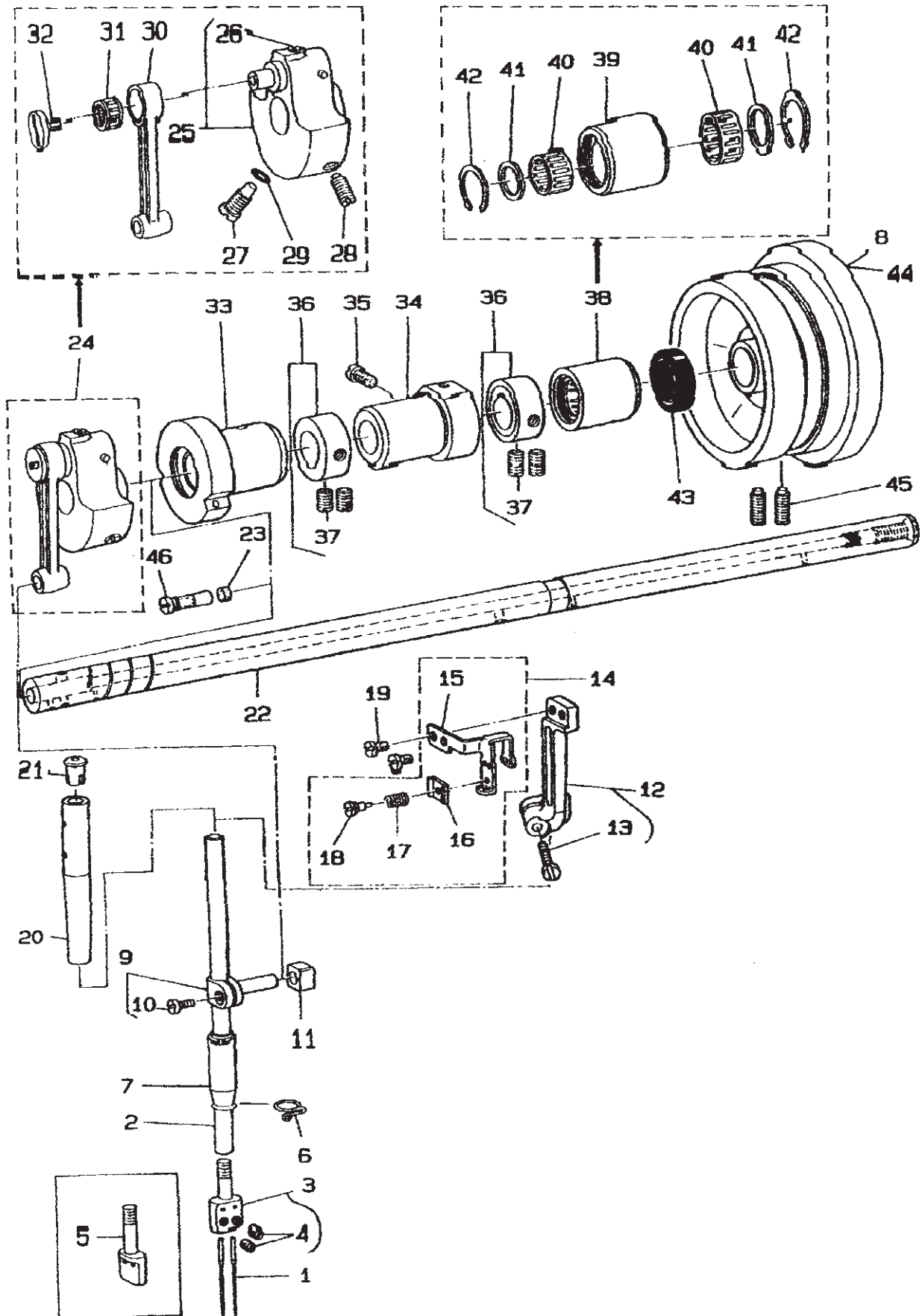
#02.....FOR MH-382

MH-380 用

MH-382 用

## 2. MAIN SHAFT & NEEDLE BAR COMPONENTS

上軸・針棒関係

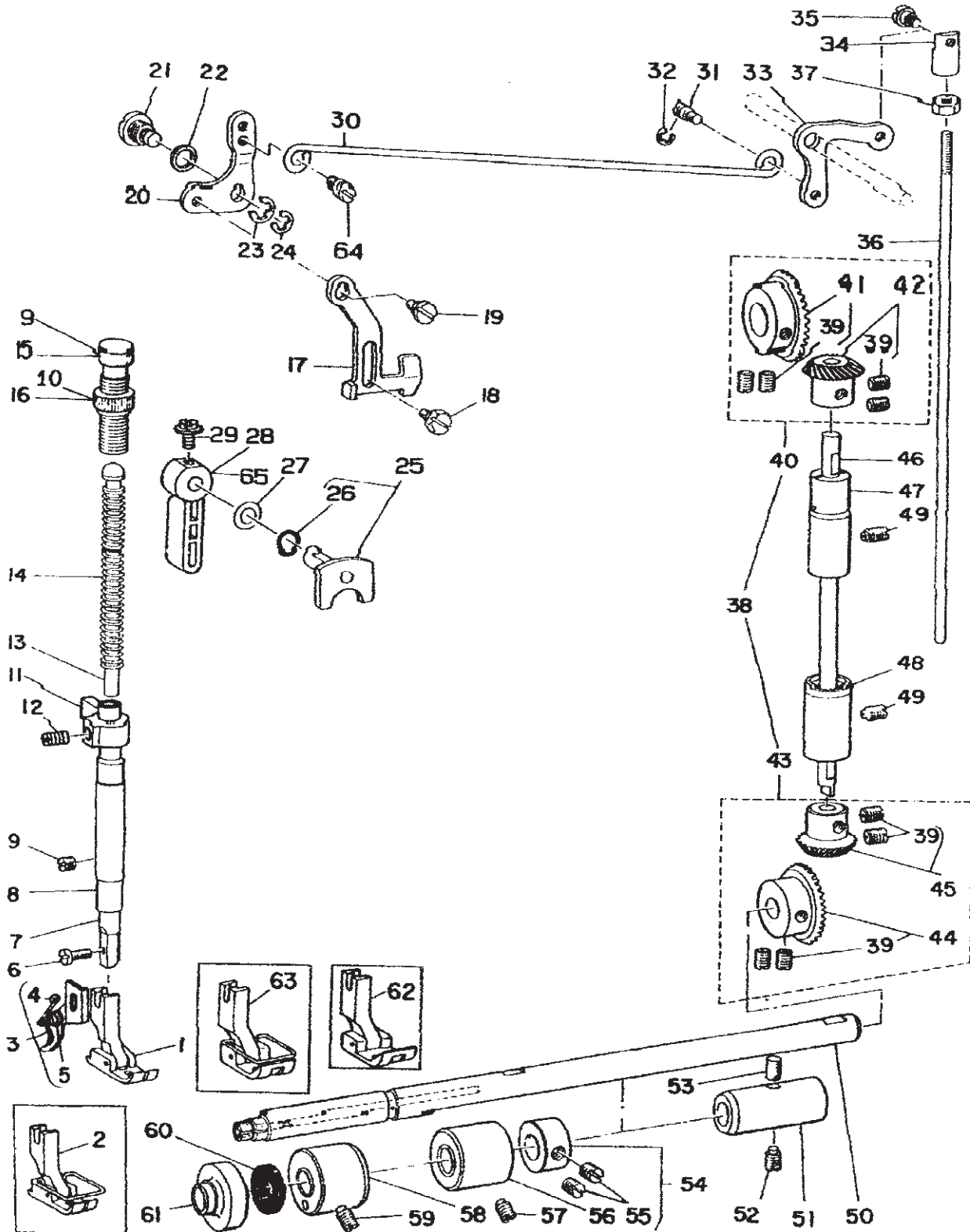


REF.NO	NOTE	PART NO.	DESCRIPTION	ヒンメイ	Qty
1		MTV-700B1400	NEEDLE TVX7 #14	アリ TVX7 #14	2
2		B1401-380-000	NEEDLE BAR	アリホ-	1
3	#01	B1406-019-FA0	NEEDLE CLAMP ASM. 1/4"	アリトメ 1/4 クミ	1
4	#01	SS-8110310-SP	SCREW 11/64-40 L= 2.8	トメネジ 11/64-40 L=2.8	(2)
5	#02	D1408-038-BA0	NEEDLE CLAMP ASM.	タテ 2ホソアリアリトメ クミ	1
6		B1419-380-000	NEEDLE BAR THREAD GUIDE	アリホ-イアンナイ	1
7		B1403-380-000	NEEDLE BAR BUSHING, LOWER	アリホ-シタメタル	1
8	#03	B1217-490-00A	HAND WHEEL	ハスミクノルマ	1
9		D1411-481-0A0	NEEDLE BAR CONNECTION ASM.	アリホ-タキ クミ	1
10		SS-6090670-TP	SCREW 9/64-40 L=6	ヒラネジ 9/64-40 L=6	(1)
11		B1414-555-000	SLIDE BLOCK	アリホ-タキ アンナイコウ	1
12		B1902-481-0A0-B	THREAD TAKE-UP LEVER ASM.	デンビンのウヂ クミ	1
13		SS-6091210-TP	SCREW 9/64-40 L=12	ヒラネジ 9/64-40 L=12	(1)
14		B1901-380-0A0	THREAD TAKE-UP ASM.	デンビン クミ	1
15		B1901-481-000-A	THREAD TAKE-UP	デンビン	(1)
16		B1908-481-000-A	THREAD TENSION REGULATING PLAT	デンビン イトチヨウシタ	(1)
17		D1910-481-C00	TENSION SPRING	デンビン イトチヨウシタ	(1)
18		B1909-481-000-A	THREAD TENSION REGULATING STUD	デンビン イトチヨウシタ	(1)
19		SS-6090670-TP	SCREW 9/64-40 L=6	ヒラネジ 9/64-40 L=6	2
20		B1402-552-000-A	NEEDLE BAR BUSHING, UPPER	アリホ-ウラメタル	1
21		B1405-012-000	CAP	キャップ	1
22		B1201-481-000-A	MAIN SHAFT	クワシ	1
23		B1228-552-000	ROLLER FELT	フタ	1
24		B1206-481-0A0	COUNTERWEIGHT ASM.	ウラアイモリ クミ	1
25		B1206-481-0B0	COUNTERWEIGHT ASM.	ウラアイモリ クミ	(1)
26		SS-8150710-SP	SCREW 15/64-28 L=7	トメネジ 15/64-28 L=7	(1)
27		SS-7681650-TP	SCREW 9/32-28 L=16	マルヒラネジ 9/32-28 L=16	(1)
28		SS-8681650-TP	SCREW 9/32-28 L=16	トメネジ 9/32-28 L=16	(1)
29		RO-0442401-00	RUBBER RING	オリンク	(1)
30		B1408-481-000	NEEDLE BAR CRANK ROD	アリホ-クランクロッド	(1)
31		B1905-541-800	NEEDLE BEARING	デンビン ニートル A アリソク	(1)
32		B1903-552-000	LEFT SCREW	ヒタリネジ	(1)
33		B1202-481-000	BUSHING, FRONT	ウラシク マメタル	1
34		B1203-481-800	BUSHING, INTERMEDIATE	ウラシク ナカメタル	1
35		SS-7151120-SP	SCREW 15/64-28 L=11	マルヒラネジ 15/64-28 L=11	1
36		CS-147121E-SH	THRUST COLLAR ASM. D=14.72 W=1	スラストウケ D=14.72 W=1 クミ	2
37		SS-8660810-TP	SCREW 1/4-40 L=8	トメネジ 1/4-40 L=8	(4)
38		D1204-555-DA0	MAIN SHAFT BUSHING, REAR ASM.	ウラシク クワシロメタル クミ	1
39		D1204-555-DO0	MAIN SHAFT BUSHING, REAR	ウラシク クワシロメタル	(1)
40		D1230-555-800	NEEDLE BEARING	ニートル A アリソク	(2)
41		D1231-555-800	WASHER	スラスト ウケ	(2)
42		D1232-555-800	SNAP RING	ニートル トメリ	(2)
43		D1208-555-DO0	OIL SEAL	ウラシク クワシロメタル オイルシール	1
44		B1217-490-000	HAND WHEEL	ハスミクノルマ	1
45		SS-8151550-SP	SCREW 15/64-28 L=15	トメネジ 15/64-28 L=15	2
46		B1213-552-0A0-A	OIL AMOUNT ADJUSTING PIN ASM.	クランク エリヨチヨウセツピン クミ	1

Note ( 注記 ) #01.....FOR MH-380  
#02.....FOR MH-382  
#03.....FOR URBAN WHITE

MH-380 用  
MH-382 用  
アーバンホワイト用

3. PRESSER BAR, UPRIGHT SHAFT & LOWER SHAFT COMPONENTS  
 押え棒・立軸・下軸関係



REF. NO	NOTE	PART NO.	DESCRIPTION	ヒンメイ	Qty
1	#01	B1509-038-FAO	PRESSER FOOT ASM. (1/4)	オキ 1/4 クミ	1
2	#03	B1509-038-FBO	PRESSER FOOT ASM. 1/4"	オキ 1/4 (ハリカハ-ツキ) クミ	1
3		B1528-380-0AO	THREAD KNIFE ASM.	イトキリハ クミ	1
4		B1529-380-000	THREAD KNIFE GUIDE	イトキリハ カ-イト	(1)
5		SS-5060310-SP	SCREW 3/32-56 L=2.8	トメネジ 3/32-56 L=2.8	(1)
6		SS-7091110-TP	SCREW 9/64-40 L=10.5	マルヒラネジ 9/64-40 L=10.5	1
7		B1501-380-000	PRESSER BAR	オキ 1本	1
8		B1502-541-000	PRESSER BAR BUSHING, LOWER	オキ 1本 - シタメタル	1
9	#05	110-71602	PRESSER SPRING REGULATOR	オキ 1本 - チョウセキネジ	1
10	#05	110-71701	NUT	オキ 1本 - チョウセキネジ ナット	1
11		101-78705	PRESSER BAR GUIDE BRACKET	オキ 1本 - カタキ	1
12		SS-8660610-TP	SCREW 1/4-40 L=6	トメネジ 1/4-40 L=6	1
13		B1510-227-000	PRESSER GUIDE BAR	オキ 1本 - アンナイ	1
14		B1505-227-000-A	PRESSER SPRING	オキ 1本 - チョウセキネジ	1
15		B1509-555-000	PRESSER SPRING REGULATOR	オキ 1本 - チョウセキネジ	1
16		B1511-555-000	NUT 1/2-28	オキ 1本 - チョウセキネジ ナット	1
17		B1515-552-000	LIFTING LEVER	ヒキアケ イタ	1
18		SD-0630275-SP	HINGE SCREW D= 6.35 H= 2.7	タンネジ D=6.35 H=2.7	1
19		SD-0630301-SP	HINGE SCREW D=6.35 H=3	タンネジ D=6.35 H=3	1
20		B1516-552-000	LIFTING LEVER LINK	ヒキアケ イタ リンク	1
21		B1517-552-000	HINGE PIN	ヒキアケ リンクピン	1
22		B3431-581-000	LIFTING LEVER GASKET	ハシキ	1
23		B1523-226-000	SNAP RING	トメ B	1
24		RE-0800000-KO	E-SHAPED SNAP RING (6MM)	Eカ スタメ B	1
25		B1518-555-0AO	HAND LIFTER CAM ASM.	オキ 1本 - アケカム クミ	1
26		RO-0371801-00	RUBBER RING	0371801	(1)
27		UP-0740516-SP	WASHER 7.4X11.8X0.5	ヒラネジ カネ 7.4X11.8X0.5	1
28		B1520-552-000-A	HAND LIFTER	オキ 1本 - アケレハ	1
29		B1521-555-000	SCREW	トメネジ 1/4-40 L=6	1
30		B3412-415-000	LIFTING LEVER CONNECTING ROD	ヒキアケ ヨコネ	1
31		B3416-552-000	CONNECTING ROD HINGE SCREW	ヒキアケ ヨコネ - タンネジ	1
32		RE-0500000-KO	E-RING	Eカ スタメ B	1
33		B3414-415-000-A	LIFTING LEVER LINK, RIGHT	ヒキアケ リンク	1
34		B3416-415-000-A	SWIVEL	ツリネ - タメ	1
35		SD-0600322-SD	HINGE SCREW D=6 H=3.2	タンネジ D=6 H=3.2	1
36		B3415-481-000	CONNECTING ROD, VERTICAL	ヒキアケ リンク	1
37		NS-6620310-SP	NUT 3/16-32	ロウカクナット 3/16-32	1
38		B1308-481-0CO	GEAR LOWER ASM.	ハクメマ クミ	1
39		SS-8880810-TP	SCREW 1/4-40 L=8	トメネジ 1/4-40 L=8	(8)
40		B1306-155-0BO	GEAR & PINION ASM., UPPER	ウツカメクメマ クミ	(1)
41		B1305-012-0AO	GEAR ASM.	ウツカメクメマ タイ クミ	(1)
42		B1306-155-0AO	PINION ASM.	ウツカメクメマ ショー クミ	(1)
43		B1308-481-0BO	GEAR & PINION ASM.	ウツカメクメマ クミ	(1)
44		B1308-481-0AO	GEAR LOWER (LARGE) ASM.	ウツカメクメマ タイ クミ	(1)
45		B1306-155-0AO	PINION ASM.	ウツカメクメマ ショー クミ	(1)
46		B1301-481-000-A	UPRIGHT SHAFT	タテシク	1
47		B1302-552-BOO	BUSHING, UPPER	タテシク ウラメタル	1
48		B1303-552-BOO	UPRIGHT SHAFT BUSHING, LOWER	タテシク シタメタル	1
49		SS-8151150-SP	SCREW 15/64-28 L=10.5	トメネジ 15/64-28 L=10.5	2
50		B1801-380-0AO	LOWER SHAFT ASM.	シタシク クミ	1
51		B1807-352-000	BUSHING, REAR	オクリシク ウラメタル	1
52		SS-8151150-SP	SCREW 15/64-28 L=10.5	トメネジ 15/64-28 L=10.5	1
53		B1432-027-000	OIL PAD ROLLER	ハリネ - ヨト - タイ フィルト	1
54		CS-111121A-SH	THRUST COLLAR ASM. D=11.11 W=1	スラストウケ D=11.11 W=12 クミ	1
55		SS-8660810-TP	SCREW 1/4-40 L=8	トメネジ 1/4-40 L=8	(2)
56		B1803-481-000	BUSHING, INTERMEDIATE	シタシク オカメタル	1
57		SS-8151150-SP	SCREW 15/64-28 L=10.5	トメネジ 15/64-28 L=10.5	1
58		B1802-481-000	BUSHING, FRONT	シタシク マシメタル	1
59		SS-8151150-SP	SCREW 15/64-28 L=10.5	トメネジ 15/64-28 L=10.5	1
60		B1813-481-000	OIL SEAL	シタシク マシメタル オイルシール	1
61		B2226-481-000	LOOPER THREAD GUARD BUSHING	シタシク オコネ	1
62	#02	B1524-382-0AO	PRESSER FOOT ASM.	オキ 1本	1
63	#04	B1524-382-0BO	PRESSER FOOT	オキ 1本	1
64		110-07101	HINGE SCREW	ヒキアケ ヨコネ - タンネジ	1
65	#05	110-71800	HAND LIFTER	オキ 1本 - アケレハ	1

Note (注記) #01.....FOR MH-380

#02.....FOR MH-382

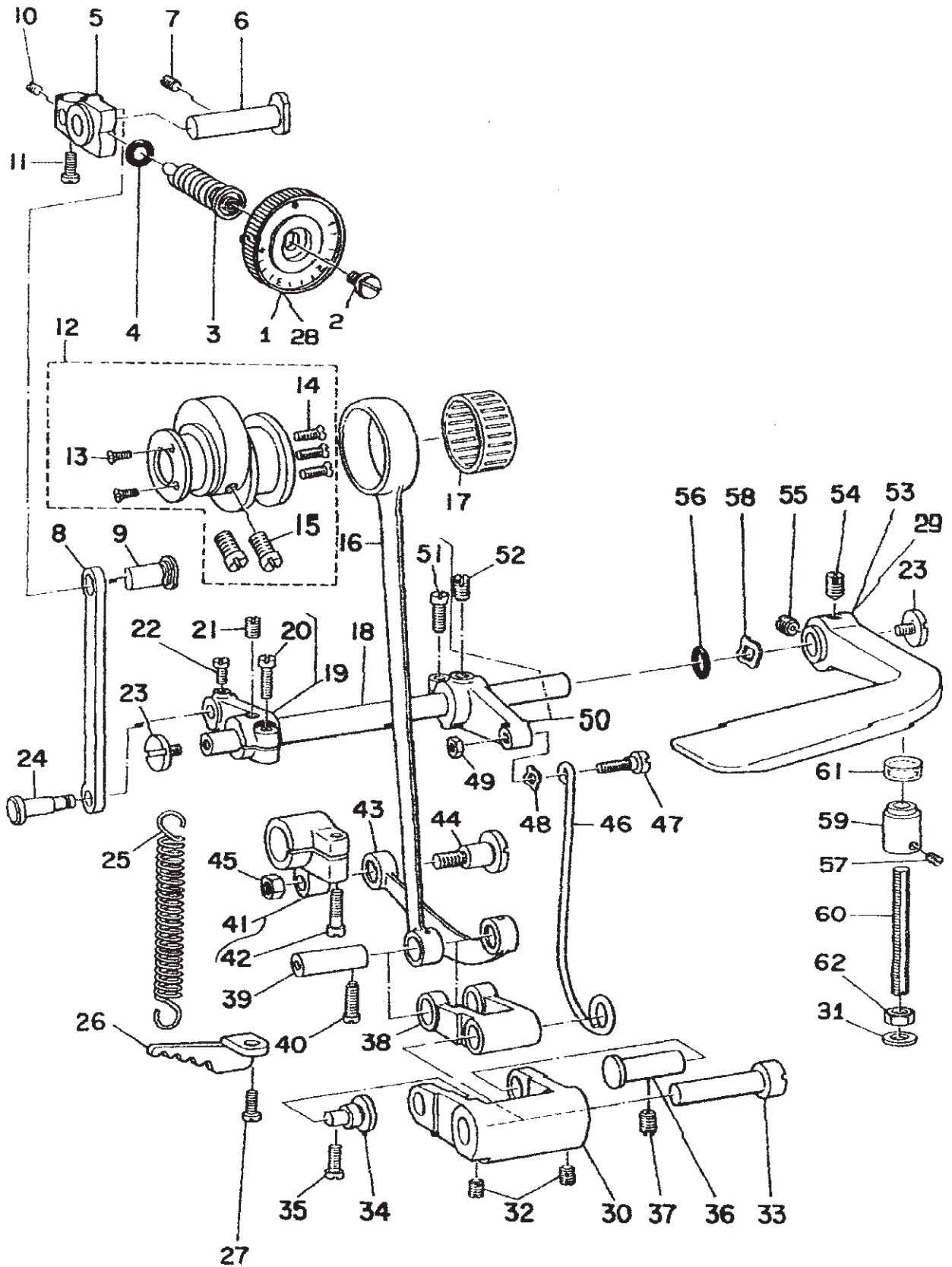
#03.....SPECIAL ORDER PART FOR MH-380

MH-380 用

MH-382 用

特別注文部品 (MH-380 用)

4. FEED MECHANISM COMPONENTS (1)  
 送り関係 (1)

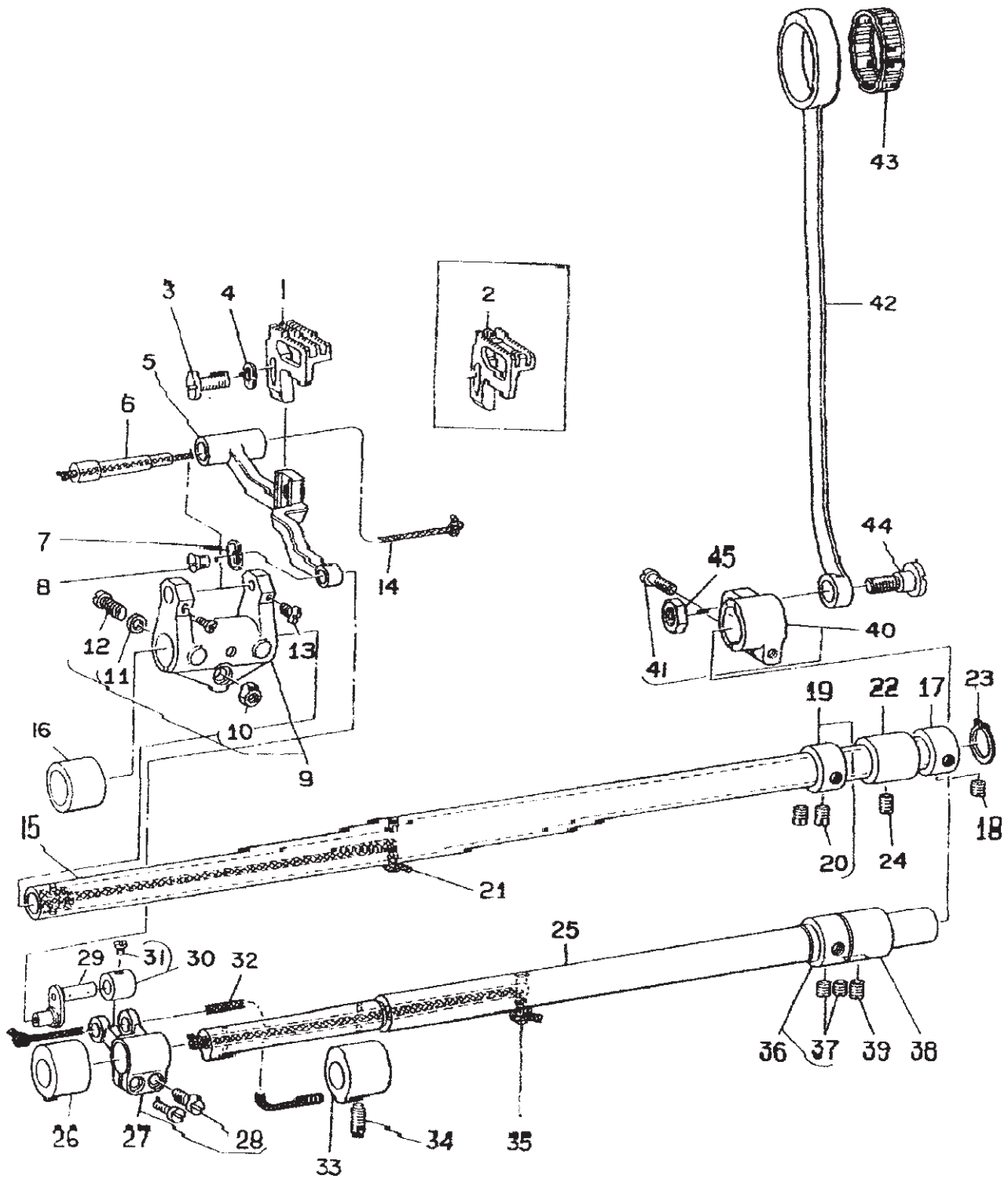


REF.NO	NOTE	PART NO.	DESCRIPTION	ヒンメイ	個数
1		B1623-555-000-A	FEED REGULATOR DIAL	メモリダイヤル	1
2		SS-6120930-SP	SCREW 3/16-28 L=9	ヒラネジ 3/16-28 L=9	1
3		B1634-555-000-B	STITCH LENGTH REGULATING SCREW	オクリ チョーセツネジ	1
4		RO-0742401-00	RUBBER RING	Oリング	1
5		B1620-481-000	FEED REGULATOR	オクリチョーセツダイヤル	1
6		B1622-555-000	HINGE PIN	オクリ チョーセツダイヤル トメネジ	1
7		SS-8150710-SP	SCREW 15/64-28 L=7	トメネジ 15/64-28 L=7	1
8		B1625-555-000	FEED REGULATOR CONNECTING ROD	オクリ チョーセツ ロット	1
9		B1626-555-000	FEED REGULATOR CONNECTING ROD	オクリ チョーセツ ロット ヒン	1
10		SS-8110510-SP	SCREW 11/64-40 L=5	トメネジ 11/64-40 L=5	1
11		SS-7110710-SP	SCREW 11/64-40 L=7	マルヒラネジ 11/64-40 L=7	1
12		B1610-380-0A0	FEED ECCENTRIC CAM ASM.	オクリ アンソウカム クミ	1
13		SS-2090710-SP	SCREW 9/64-40 L=7	マルネジ 9/64-40 L=7	(2)
14		SS-2110930-SP	SCREW 11/64-40 L=8.7	マルネジ 11/64-40 L=8.75	(3)
15		SS-8661110-SP	SCREW 1/4-40 L=11	ヒラネジ 1/4-40 L=11	(2)
16		B1612-191-000	FEED ROCKER SHAFT CONNECTING R	スィエイ オクリロフト	1
17	#01	B1636-581-000	NEEDLE BEARING B	ニードル ベアリング B	1
18		B1621-555-000-A	CONTROL LEVER SHAFT	オクリチョーセツ レバー シャフト	1
19		B1627-555-0A0	CRANK ASM.	ヒワハカリ ハネカク チョーセツクワデ クミ	1
20		SS-6121210-SP	SCREW 3/16-28 L=12	ヒラネジ 3/16-28 L=9	(1)
21		SS-8150710-SP	SCREW 15/64-28 L=7	トメネジ 15/64-28 L=7	1
22		SS-7110910-SP	SCREW	マルヒラネジ 11/64-40 L=8.5	1
23		SS-7620750-SP	SCREW 3/16-32 L= 6.5	マルヒラネジ 3/16-32 L=6.5	2
24		B1628-555-000	TENSION SPRING SUSPENSION STUD	ヒワハカリ ハネカク シュク	1
25		B1646-555-000	TENSION SPRING	ヒワハカリ ハネ	1
26		B1636-555-000	SUSPENSION BRACKET	ヒワハカリ ハネカク	1
27		SS-7111120-SP	SCREW 11/64-40 L=10.5	マルヒラネジ 11/64-40 L=10.5	1
28	#02	B1623-555-A00	FEED REGULATOR DIAL	メモリダイヤル	1
29	#02	B1624-380-00A	REVERSE FEED CONTROL LEVER	オクリレバー	1
30		B1617-555-000	FEED DRIVING ROCKER	オクリ チョーセツリンク	1
31		WP-0621016-SD	WASHER 6.2X13X1	ヒラネジ 6.2X13X1	1
32		SS-8620810-SP	SCREW 3/16-32 L=6	トメネジ 3/16-32 L=6	2
33		B1615-555-000	FEED DRIVING ROCKER HINGE PIN	オクリ チョーセツ フタマタリンク ヒン	1
34		B1618-555-000	FEED DRIVING ROCKER HINGE PIN	オクリ チョーセツリンク クワシヒン	1
35		SS-7111120-SP	SCREW 11/64-40 L=10.5	マルヒラネジ 11/64-40 L=10.5	1
36		B1618-161-000	FEED DRIVING ROCKER ARM HINGE	オクリ チョーセツ リンクヒン	1
37		SS-8150710-SP	SCREW 15/64-28 L=7	トメネジ 15/64-28 L=7	1
38		B1614-555-000	FEED DRIVING ROCKER ARM	オクリ チョーセツ フタマタリンク	1
39		B1633-555-000	ROCKER ARM CONNECTING PIN	スィエイオクリ ロット ヒン	1
40		SS-7111260-SP	SCREW 11/64-40 L=12	マルヒラネジ 11/64-40 L=12	1
41		B1808-555-000	FEED ROCKER SHAFT CRANK ARM	スィエイオクリロフト	1
42		SS-6121610-TP	SCREW 3/16-28 L=15.5	ヒラネジ 3/16-28 L=15.5	(1)
43		B1806-481-000	CONNECTING ROD	スィエイ オクリ レンケツカン	1
44		SD-1020701-SP	HINGE SCREW D=10.2 H=7	タ"ンネジ D=10.2 H=7	1
45		NS-6680320-SP	NUT 9/32=28	ロツカクナツト 9/32=28	1
46		B1630-555-000	ROCKER ARM CONNECTING ROD	オクリ チョーセツロフト	1
47		SD-0500401-SP	HINGE SCREW D= 5 H= 4	タ"ンネジ D=5 H=4	1
48		WZ-0541510-KP	WAVED WASHER 5.4X9.0X0.3	ナミカ"タツ"カ"ネ 5.4X9X0.3	1
49		NS-6120310-SP	NUT 3/16-28	ロツカクナツト 3/16-28	1
50		B1629-555-0A0	CONTROL LEVER CRANK ASM.	オクリ チョーセツクワデ クミ	1
51		SS-6121210-SP	SCREW 3/16-28 L=12	ヒラネジ 3/16-28 L=9	(1)
52		SS-8150710-SP	SCREW 15/64-28 L=7	トメネジ 15/64-28 L=7	1
53		B1624-380-000	REVERSE FEED CONTROL LEVER	オクリレバー	1
54		SS-8661040-TP	SCREW 1/4-40 L=10	トメネジ 1/4-40 L=10	1
55		SS-8660810-TP	SCREW 1/4-40 L=8	トメネジ 1/4-40 L=8	1
56		RO-0691801-00	RUBBER RING	Oリング	1
57		SS-8090540-SP	SCREW 9/64-40 L=5	トメネジ 9/64-40 L=5	1
58		WZ-1052010-KP	WAVED WASHER	ナミカ"タツ"カ"ネ 10.5X14.5X0.3	1
59		B1660-380-000	LEVER STOPPER	レバー ストッパ	1
60		B1661-481-000	SCREW	レバー ストッパ	1
61		B1662-481-000	LEVER STOPPER RUBBER CAP	レバー ストッパ	1
62		NS-6150430-SP	NUT 15/64-28	ロツカクナツト 15/64-28	1

Note (注記) #01.....SELECTIVE PART  
#02.....FOR URBAN WHITE

選択部品  
アーバンホワイト用

5. FEED MECHANISM COMPONENTS (2)  
送り関係 (2)



REF.NO	NOTE	PART NO.	DESCRIPTION	ヒンメイ	QTY
1	#01	B1613-380-PC0	FEED DOG (1/4)	オクリハ 1/4	1
2	#02	B1613-382-000	FEED DOG	オクリハ (タテ2本)	1
3		SS-7111410-TP	SCREW 11/64-40 L=14	マルヒラネジ 11/64-40 L=14	1
4		WP-0480856-SP	WASHER 4.8X8.4X0.8	ヒラネジ 4.8X8.4X0.8	1
5		B1602-481-000-A	FEED BAR	オクリタテ	1
6		B1604-486-000	FEED BAR SHAFT	オクリタテ 1/2	1
7		B1715-481-000	COUNTER-SUNK WASHER	ヒンメタ オクリタテ	1
8		SS-1080510-SP	SCREW 1/8-44 L=5	オクリネジ 1/8-44 L=5	1
9		B1603-486-0A0	FEED ROCKER ASM.	オクリタテ イウテ クミ	1
10		NS-6120310-SP	NUT 3/16-28	ロウカクナツト 3/16-28	(1)
11		WP-0480856-SP	WASHER 4.8X8.4X0.8	ヒラネジ 4.8X8.4X0.8	(1)
12		SS-6121840-SP	SCREW 3/16-28 L=18.0	ヒラネジ 3/16-28 L=18	(1)
13		SS-6090810-SP	SCREW 9/64-40 L=7.5	ヒラネジ 9/64-40 L=7.5	2
14		CQ-3030000-00	OIL WICK	エッジ	0.3
15		B1601-555-000	FEED ROCKER SHAFT	スイスイオクリジク	1
16		B1605-555-000	BUSHING, FRONT	オクリジク マイタル	1
17		CS-1470712-SH	THRUST COLLAR D=14.72 W=7	スラストウケ D=14.72 W=7	1
18		SS-8110410-TP	SCREW 11/64-40 L=3.5	トメネジ 11/64-40 L=3.5	2
19		CS-147121A-SH	THRUST COLLAR ASM.D=14.72 W=12	スラストウケ D=14.72 W=12 クミ	1
20		SS-8660610-TP	SCREW 1/4-40 L=6	トメネジ 1/4-40 L=6	(2)
21		CQ-3030000-00	OIL WICK	エッジ	0.3
22		B1702-155-000	BUSHING, REAR	オクリジク メタル	1
23		RC-0150001-KP	RETAINING RING 13.8	リテーニングリング 13.8	1
24		SS-8150710-SP	SCREW 15/64-28 L=7	トメネジ 15/64-28 L=7	1
25		B1701-481-000	FEED DRIVING SHAFT	ジョイント オクリジク	1
26		B1604-155-000	FEED ROCKER SHAFT BUSHING, FRO	オクリジク マイタル	1
27		B4103-352-0A0	FEED ROCKER SHAFT CRANK ASM.	クランク アタマクランク クミ	1
28		SS-8621220-SP	SCREW 3/16-32 L=12	ヒラネジ 3/16-32 L=12	(2)
29		B1713-380-000-A	FEED BAR LINK	ジョイント オクリ リンク	1
30		CS-0640860-SH	THRUST COLLAR ASM. D=6.35 W=8	スラストウケ D=6.35 W=8 クミ	1
31		SS-8110510-SP	SCREW 11/64-40 L=5	トメネジ 11/64-40 L=5	(2)
32		CQ-3030000-00	OIL WICK	エッジ	0.2
33		B1604-155-000	FEED ROCKER SHAFT BUSHING, FRO	オクリジク マイタル	1
34		SS-8151150-SP	SCREW 15/64-28 L=10.5	トメネジ 15/64-28 L=10.5	2
35		CQ-3030000-00	OIL WICK	エッジ	0.2
36		CS-147121A-SH	THRUST COLLAR ASM.D=14.72 W=12	スラストウケ D=14.72 W=12 クミ	1
37		SS-8660610-TP	SCREW 1/4-40 L=6	トメネジ 1/4-40 L=6	(2)
38		B1702-155-000	BUSHING, REAR	オクリジク メタル	1
39		SS-8150710-SP	SCREW 15/64-28 L=7	トメネジ 15/64-28 L=7	1
40		B1703-155-0A0	FEED DRIVING SHAFT CRANK ASM.	ジョイント オクリウテ クミ	1
41		SS-6121610-TP	SCREW 3/16-28 L=15.5	ヒラネジ 3/16-28 L=15.5	(1)
42	#03	B1708-481-000	FEED DRIVING SHAFT CONNECTING	ジョイント オクリウテ	1
43		B1712-481-00B	NEEDLE BEARING	ジョイント オクリ ハーリック	1
44		SD-1020701-SP	HINGE SCREW D=10.2 H=7	タネネジ D=10.2 H=7	1
45		NS-6680410-SP	NUT 9/32-28	ロウカクナツト 9/32-28	1

Note (注記) #01.....FOR MH-380  
#02.....FOR MH-382  
#03.....SELECTIVE PART

MH-380 用  
MH-382 用  
選択部品

6. LOOPER & NEEDLE GUARD COMPONENTS  
 ルーパ・針受関係

