

GLOBAL

WF-925-AUT / WF-926-AUT INDUSTRIAL SEWING MACHINE

Single-Needle.Double-Needle

Lockstitch

Compound-Feed

Automatic undertrimmer

Variable speed control

INSTRUCTION MANUAL CATALOG

PRECAUTIONS BEFORE STARTING OPERATION

1. Safety precautions

- 1) When turning the power on, keep your hands and fingers away from the area around/under the needle and the area around the pulley.
- 2) Power must be turned off when the machine is not used, or when the operator leaves his/her seat.
- 3) The power must be turned off before tilting the machine head, installing or removing the "V" belt, adjusting the machine, or when replacing.
- 4) Avoid placing fingers, hairs bars etc. near the pulley, "V" belt, bobbin winder pulley, or motor when the machine is operation. Injury could result.
- 5) Do not insert fingers into the thread take-up cover, under/round the needle, or pulley when the machine is in operation.
- 6) If a belt cover, finger guard, and/or eye guard are installed, do not operate the machine without these safety devices.

2. Precaution before Starting Operation

- 1) If the machine's oil pan has an oil sump, never operate the machine before filling it.
- 2) If the machine is lubricated by a drop oiler, never operate the machine before lubricating
- 3) When a new sewing machine is first turned on, verify the rotational direction of the pulley with the power on.
(the pulley should rotate counterclockwise when viewed from the pulley.)
- 4) Verify the voltage and (single or three) phase with those given on the motor nameplate.

3. Precaution for Operating Conditions

- 1) Avoid using the machine at abnormally high temperature (35°C or higher) or low temperature (5°C or lower). Otherwise, machine failure may result.
- 2) Avoid using the machine in dusty conditions.
- 3) Avoid using the machine in areas where too much electrical noise, resulted from the high-frequency welder and others, is generated.

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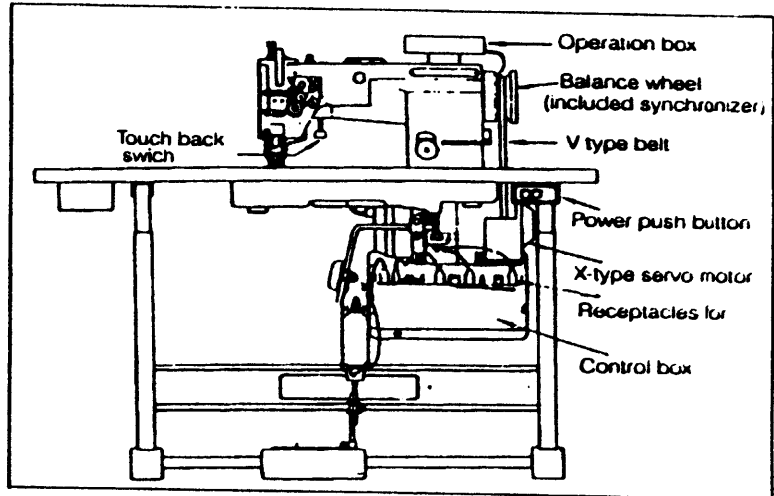
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PREPARATION FOR OPERATION

- Overall view of assembled sewing machine



1. Power cable connection

(1) Connection to Power Supply

When connecting the power supply connector to the control box, the connector should be completely plugged in the proper receptacle after confirming the connector type and matching direction.

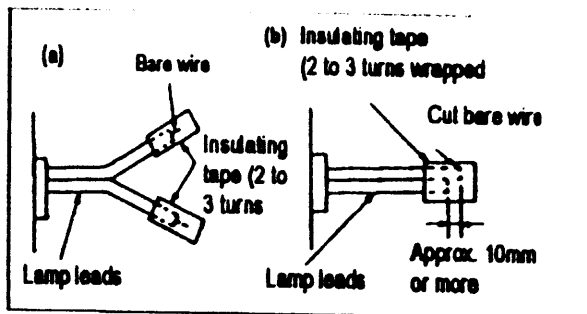
- A. In case of three-phase electrical power system, the "U" phase should be connected to the red lead, the "V" phase to the white lead, and the "W" phase to the black lead. The motor rotary direction depends, however, upon the setting of the internal switch in the control box as described in Paragraph 1-(3)

CAUTION: The green wire must be connected to the ground terminal in order to ground the motor properly.

- B. The appropriate power fuse capacity is as follows.
- | | | |
|--------------|------------|-----|
| Power supply | 200V-240V: | 10A |
| | 100V-120V: | 15A |

(2) Lamp Leads

- A. When installing the illuminating lamp(6V,15-20W),The connecting wire is attached on the back of the Control box. It should be removed and connected by removing the insulating tube from the wire and stripping properly. The wire connections should be, then, insulated by wrapping insulating tape on the wires.



CAUTION: The power switch must be turned off before connecting the lamp.

- B. When the illuminating lamp is not used, the end of the lamp leads must be insulated as (a) or (b) as shown in the figure on right side. If a short circuit occurs failing to insulate, the transformer in the control box will be possibly burned out.

CAUTION: The illuminating lamp must not be connected with any heater, such as a foot warmer and others, in parallel. Otherwise, the load capacity will be exceeded. It may cause transformer winding burned out.

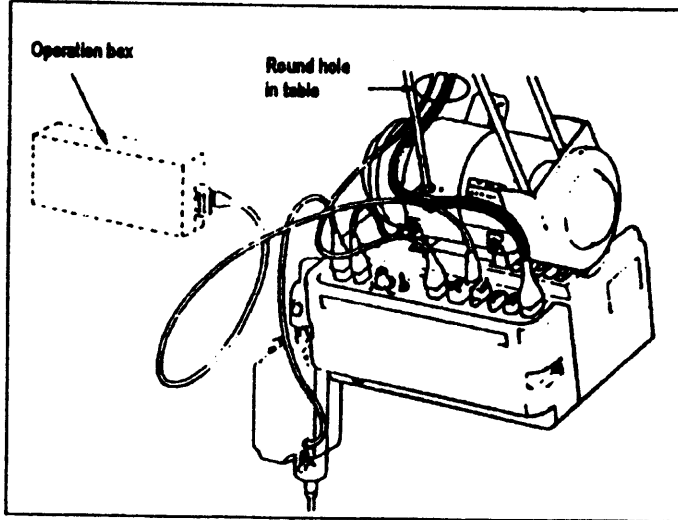
(3) Rotary direction

It is possible to change the rotary direction of the motor by removing the rubber cap from the bottom left side of the front cover on the control box, and push the internal direction selector switch. The built-in lamp in the internal switch is off when the motor is rotating counterclockwise as facing to the motor pulley, and on when rotating clockwise. The rotary direction has been set to counterclockwise as facing to the motor pulley, matching with the machine prior to shipping

2. Connection of control box

The control box should be connected as shown to the right.

- Note:** (1) Be sure to turn the power switch off for safety before connecting or disconnecting the connectors.
- (2) The combination of the machine heads with the motor control panels are specified below. Use special care for the correct combination when replacing the machine head or motor control panel.

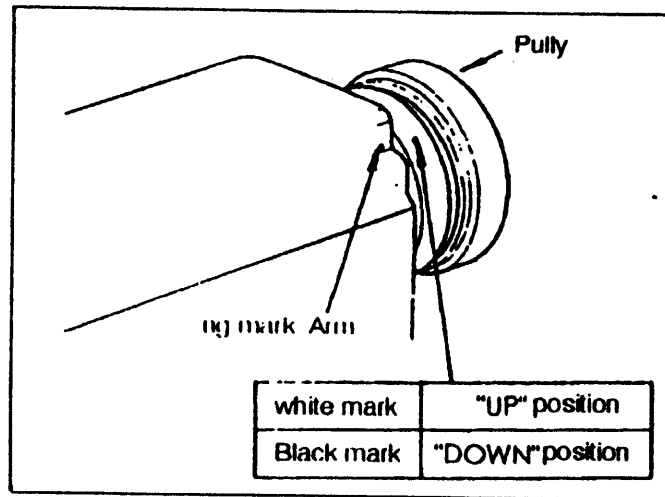


3 Adjustment of needle bar stop position

I Adjust of "UP" position

When the pedal is kicked down by heel, the machine stops at "UP" position. If the marks deviate larger than 3 mm, adjust as follows.

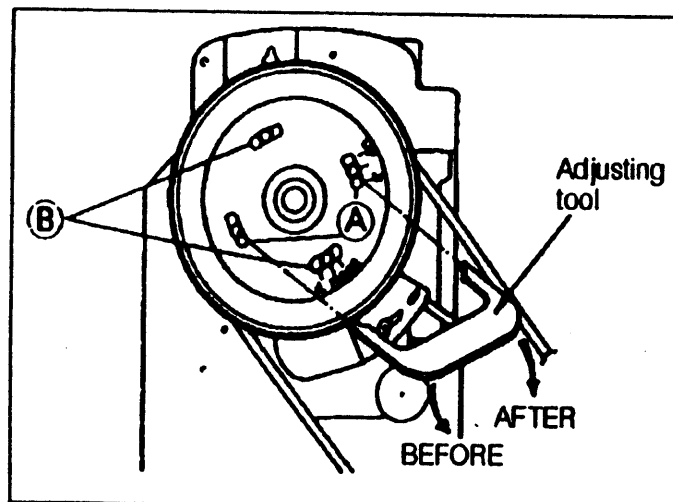
- 1) Disconnect the plug (12 pins) of cable from the machine head.
- 2) Run the machine and stop at "UP" position.
- 3) While holding the pulley, insert the "adjusting tool" in the hole "A", then remove the tool.



II Adjust of "Down" position

When the pedal is "Neutral" the machine stops at "Down" position. If the marks deviate large than 5 mm, adjust as follows.

- 1) Disconnect the plug (12 pins) of cable from the machine head
- 2) Run the machine and stop at "Down" position.
- 3) While holding the pulley, insert the "adjusting tool" in the hole "B", then remove the tool.



- III Confirm the stop operation, then set the plug (12 pins) coming from the machine head into the receptacle.

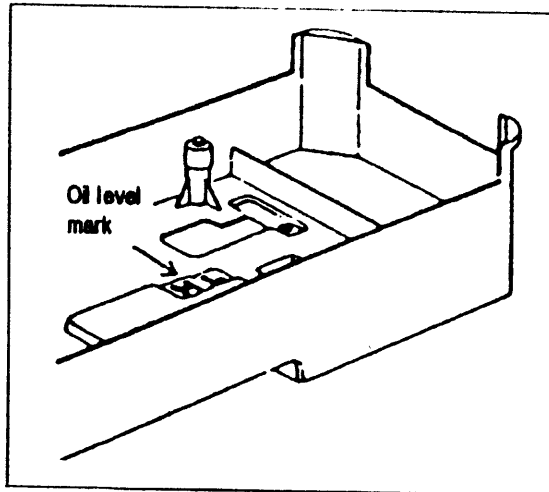
CAUTIONS ON USE

1. Oiling (1)

Fill the oil reservoir with oil up to "H" mark.

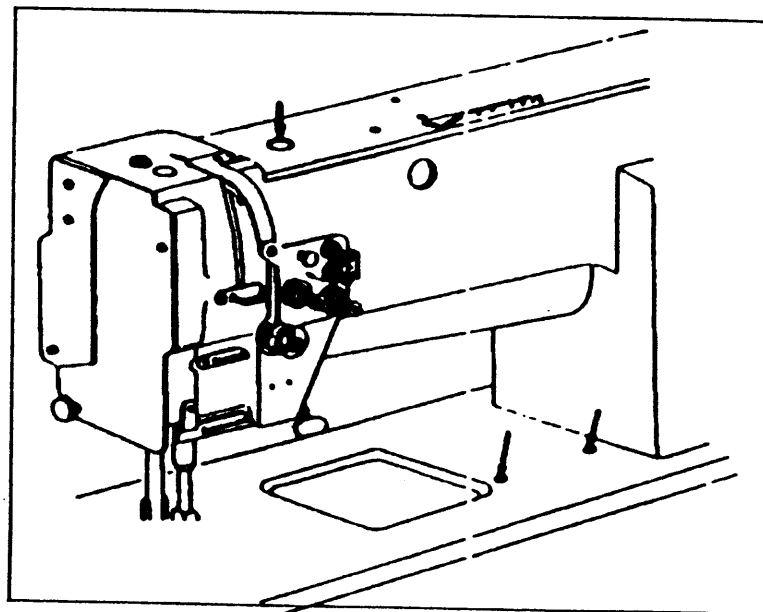
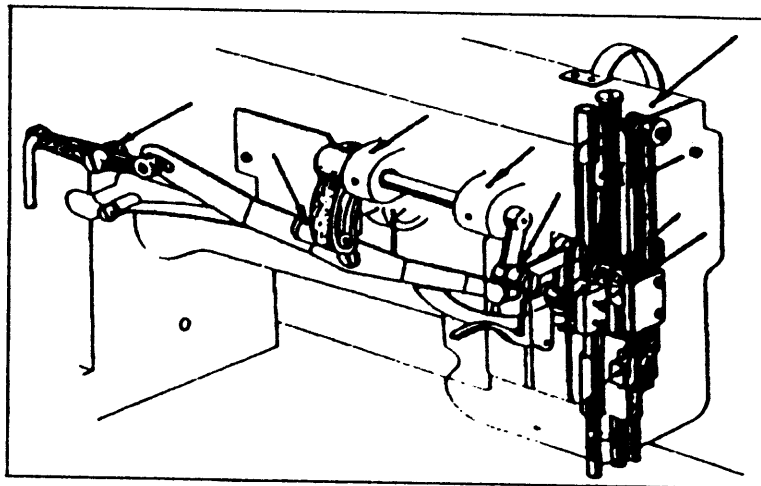
Oil level should be periodically checked. If oil level is found below "L" level replenish oil to "H" level.

For oil, Use white spindle oil



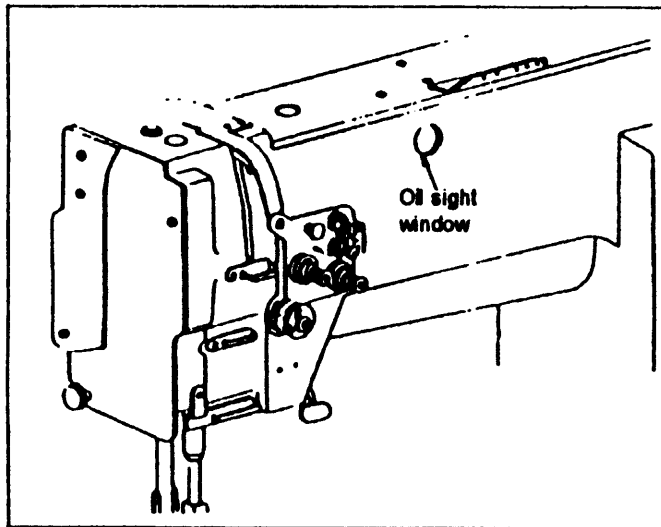
2. Oiling (2)

When a new sewing machine is used for the first time, or sewing machine left out of use for considerably long time is used again, replenish a suitable amount of oil to the portions indicated by arrow in the below figure.

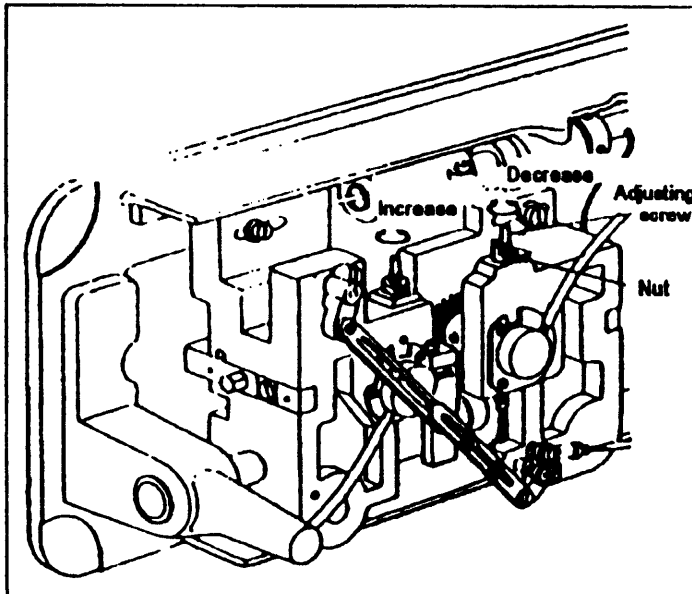


3. Oiling condition

See dripping of oil through the oil sight hole to check oiling condition during operation.



4. Adjustment of oiling to rotating hook



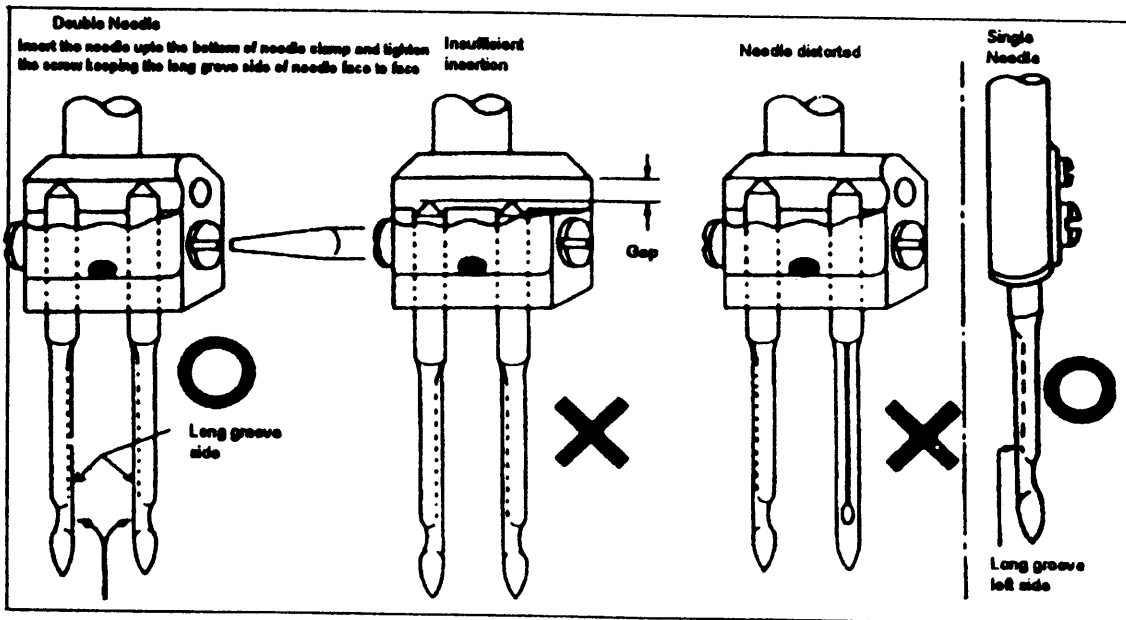
5. Cautions on operation

- (1) When the power is turned on or off, keep foot away from the pedal.
- (2) It should be noted that the brake may not work when the power is interrupted or power failure occurs during sewing machine operation.
- (3) Since dust in the control box might cause malfunction or control troubles, be sure to keep the control box cover close during operation.
- (4) Do not apply a multimeter to the control circuit for checking; otherwise voltage of multimeter might damage semiconductor components in the circuit.

OPERATION

1. Installation of needles

Note: Before installing the needles, be sure to turn off the power.



2. Winding of bobbin thread

Note: When bobbin thread is wound, keep the presser foot lifted.

Adjustment:

Tension of wound thread

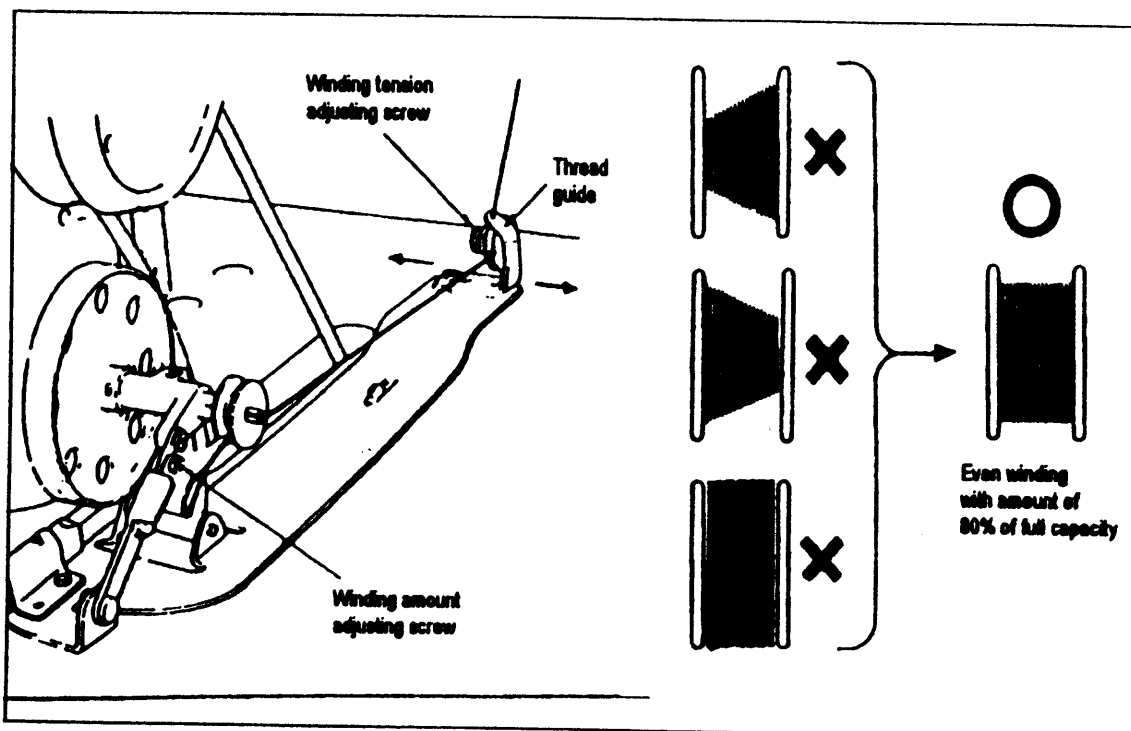
Slack winding is recommended for polyester thread and nylon thread.

Conically wound thread

Move the thread guide toward smaller diameter of wound thread layer

Length of wound thread

Loosen the thread length adjusting screw to increase length of thread and tighten the screw to decrease length of thread.

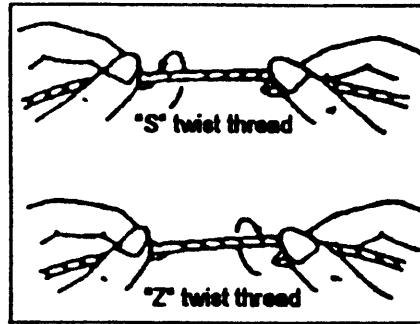


3. Selection of thread

It is recommended to use "S" twist thread in the Left needle (viewed from front), and "Z" twist thread in the right needle.

When discriminate use of needle threads is impossible, use "Z" twist thread in both the needles.

For bobbin thread, "S" twist thread as well as "Z" twist Thread can be used.



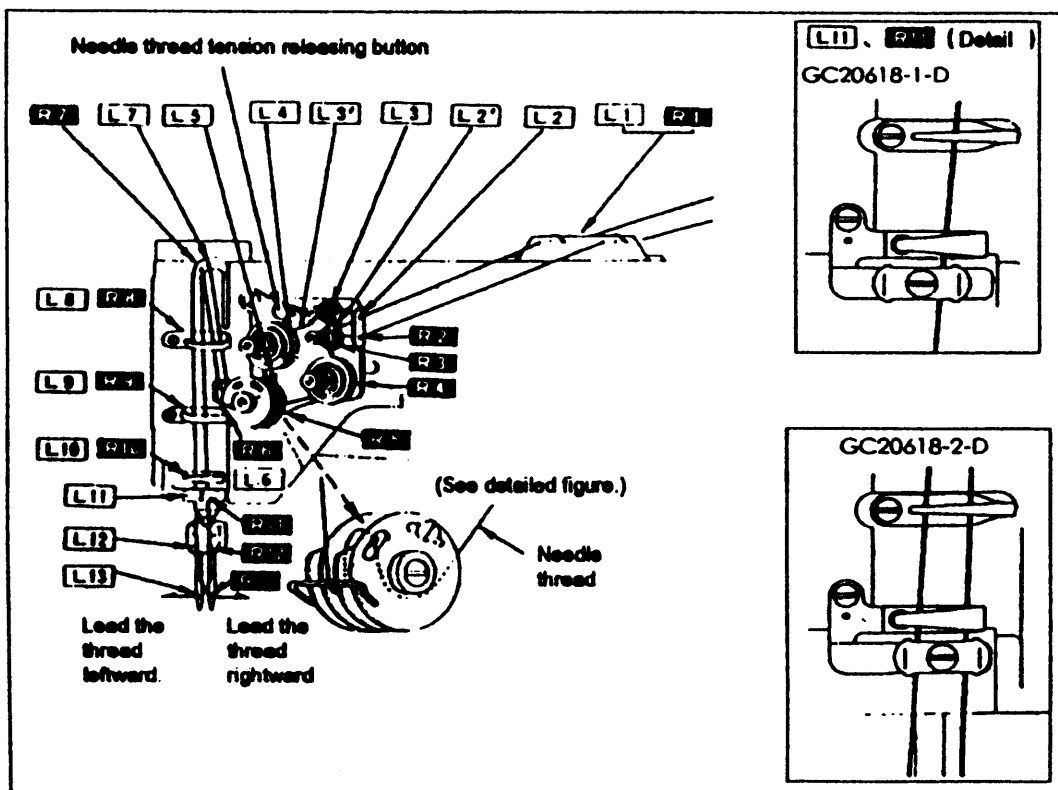
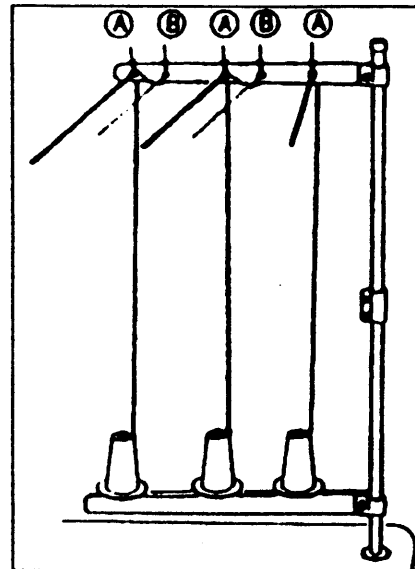
4. Threading of needle threads

(1) Pass each needle thread through thread guide A

Note: When thin slippery thread (polyester Thread or filament thread, for example) is used pass the thread through thread guide B as well.

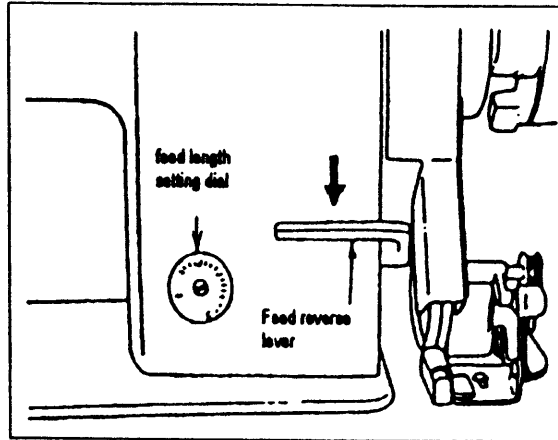
(2) With the take-up lever located at the upper most position, pass each needle thread in the order shown in the following figure.

Note: Pressing the upper thread loosening button shown in the figure below opens the saucer of the upper thread tension adjuster, and the upper thread can easily pulled out.

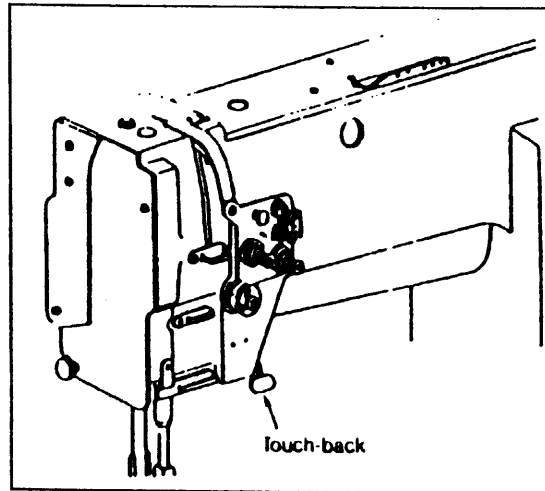


5. Adjustment of feed (stitch) length and stitch reversing (touch back)

Note: To make feed (stitch) length smaller, depress the feed reverse lever and set the feed length setting dial to a desired position.



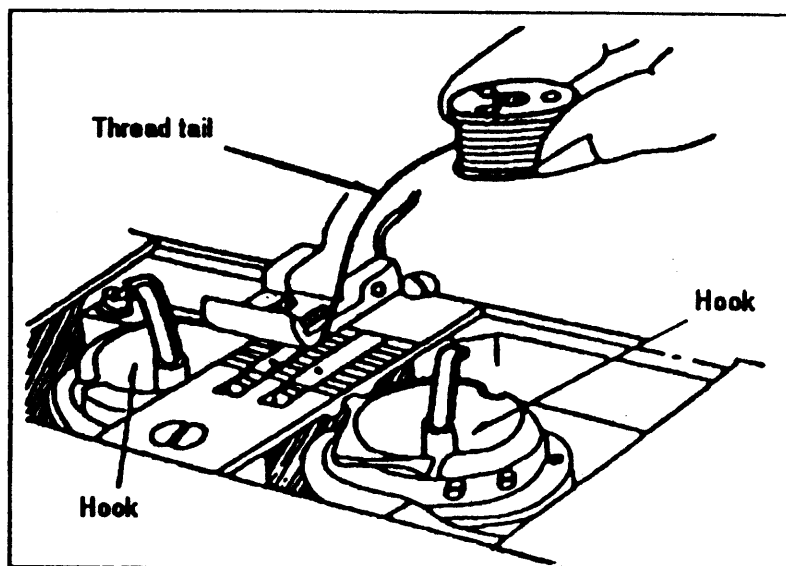
Touch-back button . . . Direction of stitching can be reversed by depressing this button. Stitching goes on in reversed direction while the button is held down, and returns to forward direction when the button is released.



6. Setting of bobbin

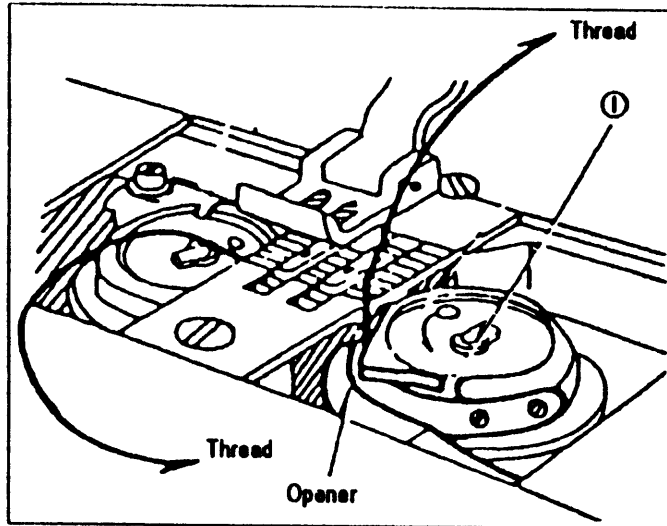
(1) Pulling out 5.cm thread tail from the bobbin.

(2) Hold the bobbin so that the bobbin thread is would in right direction and put it into the hook.

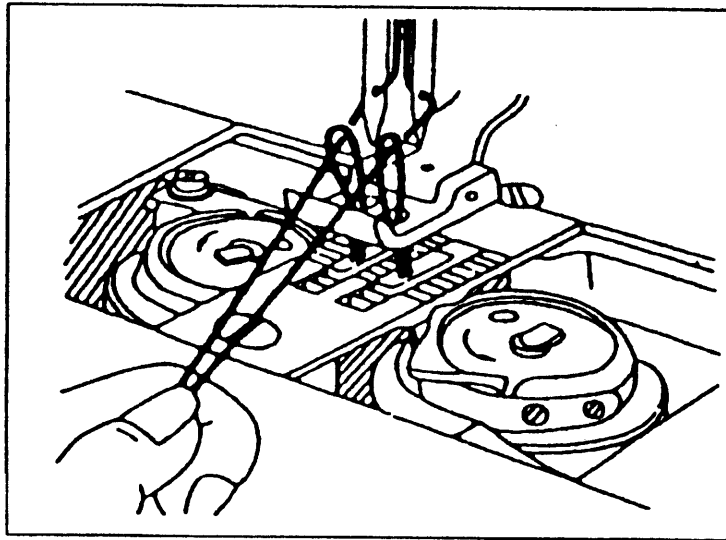


7. Threading of bobbin threads

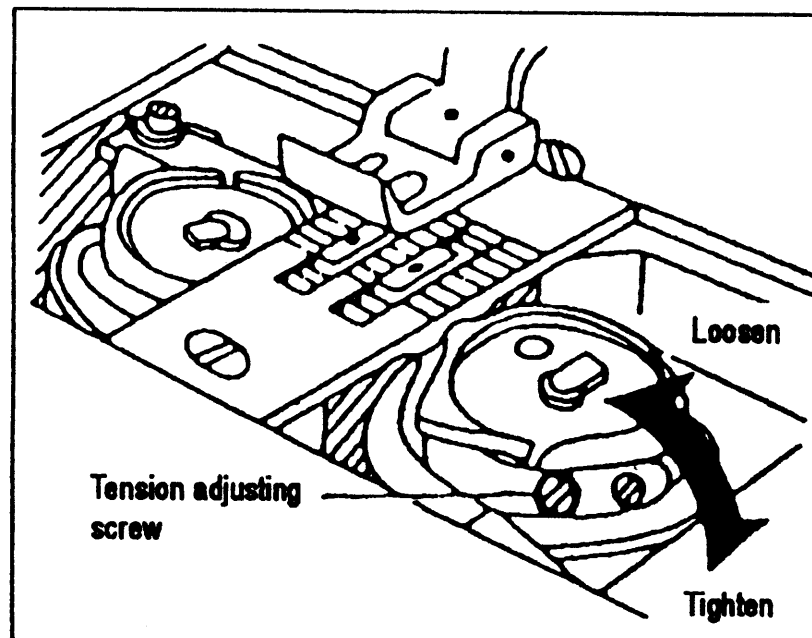
- (1) Put the hook into the bobbin case and press down the latch ①. The thread end should be left on the bed.



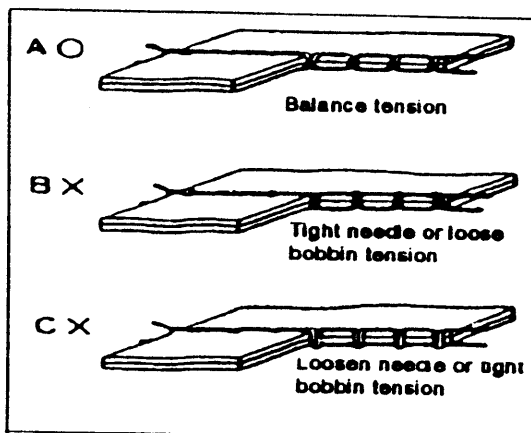
- (2) While holding the two needle threads by left hand, rotate the handwheel one turn by right hand. By pulling up the needle threads, as shown in the figure, the bobbin threads will be lifted. Each combination of bobbin thread and needle thread should be aligned and led backward.



8. Tension adjustment of bobbin threads



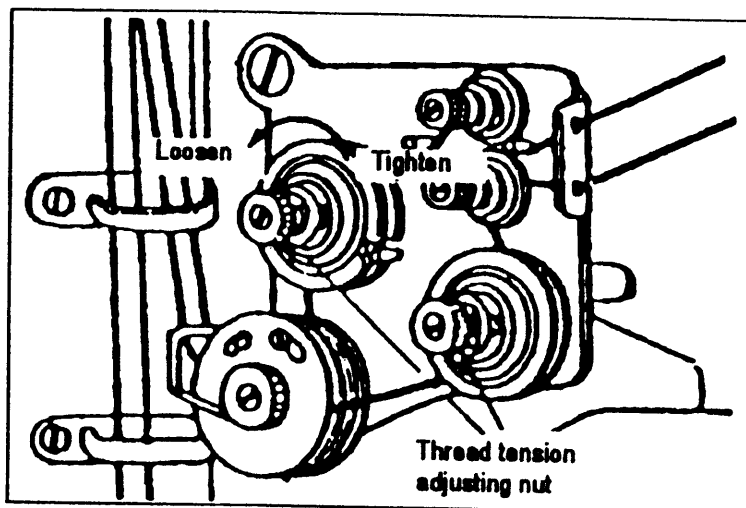
9. Balance of thread tension



10. Needle thread tension

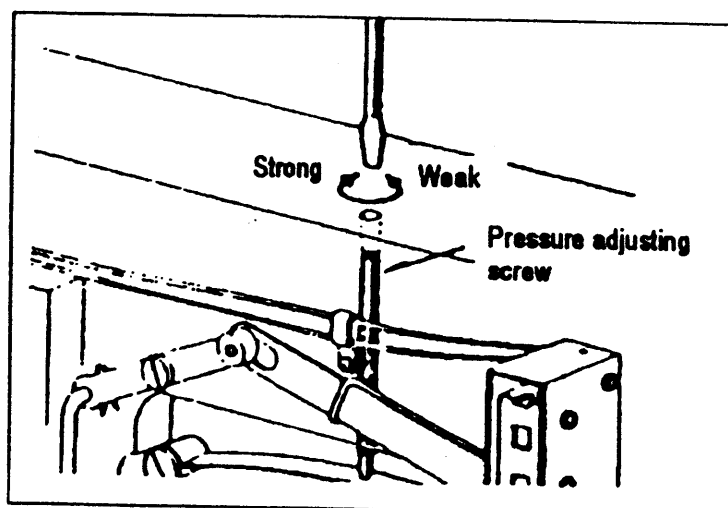
- Needle thread tension should be adjusted in reference to bobbin thread tension.
- To adjust needle thread tension, turn each tension adjusting nut.

Needle thread tension can be also adjusted for special fabric and thread by changing intensity and movable range of slack thread adjusting spring.



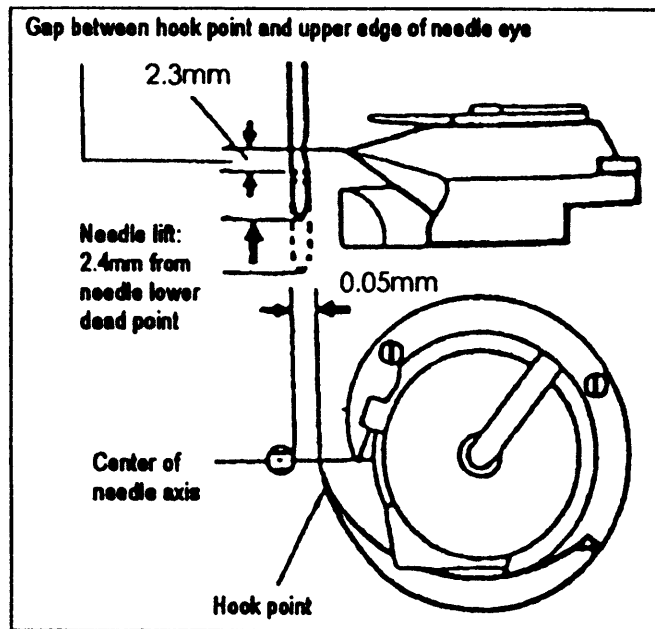
11. Adjustment of presser foot pressure

Pressure to fabric(s) can be adjusted by turning the pressure adjusting screw.



12. Timing between rotating hook motion and needle motion

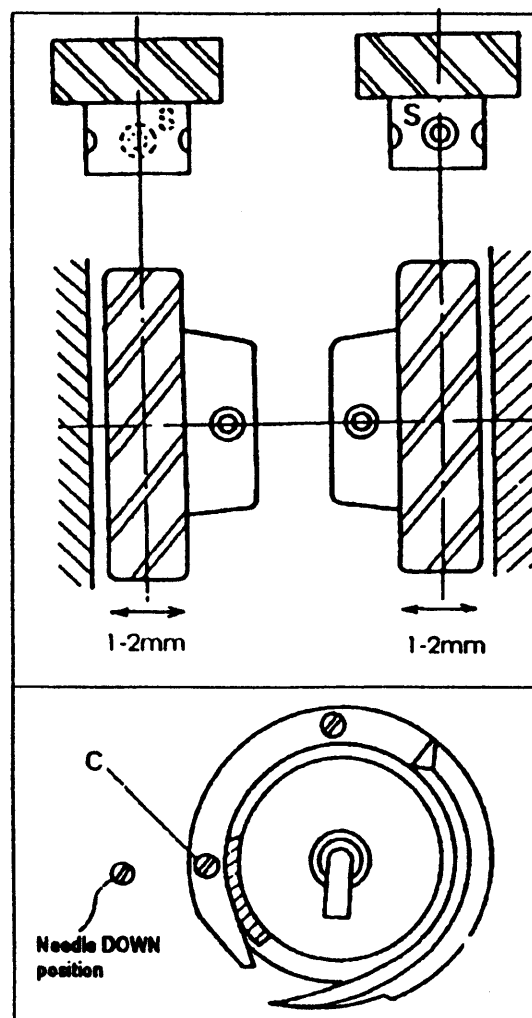
- (1) Set feed length (stitch length) to "6" on the feed setting dial.
- (2) When needle is lifted 2.4mm from the lower dead point, as shown in Figure, the following positional relationship should be maintained.
 - The upper edge of needle eye should be 2.3mm below the hook point.
 - The hook point should be located at the center of needle axis.
 - Gap between the hook point and the side face of needle should be 0.05mm.



Positioning of hook point

- (1) When the needle is at DOWN position, the smaller crossed helical gears on the right side and left side should be engaged with the large wheel so that the "S" screw of the former gear comes on the front side, and that of the latter gear on the reverse side.
- (2) Tighten each "S" screw, where is punched for set screw, on the hook shaft.
- (3) Approximate position of hook "C" screw of hook should be found close to the needle when the needle is at DOWN position.

To finely adjust timing between the needle motion and hook motion, loosen the set screw of larger gear wheel and move the gear wheel in its axial direction within a range from 1mm to 2mm.



13. Adjustment of feed dog height

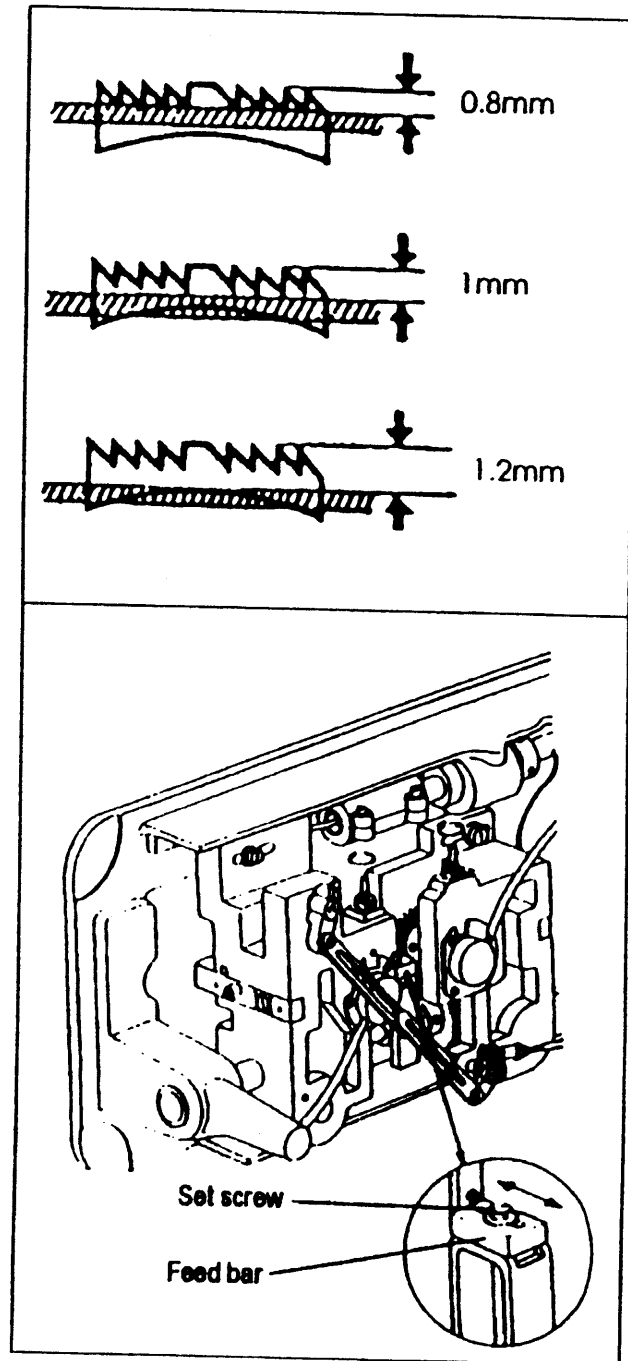
Height of feed dog and pressure of presser foot should be adjusted for individual fabric(s) with the following cautions:

- Fabric will be damaged if the feed dog extends too high, or pressure of presser foot is too large.
- Even stitch length cannot be assured if the feed dog is too low or pressure of presser foot is too small.
- Feed dog height should be measured at the point where the needle is at the top position.

For light fabrics	Approx. 0.8mm from throat plate
For usual fabrics	Approx. 1.0mm from throat plate
For heavy fabrics	Approx. 1.2mm from throat plate

Adjustment procedure

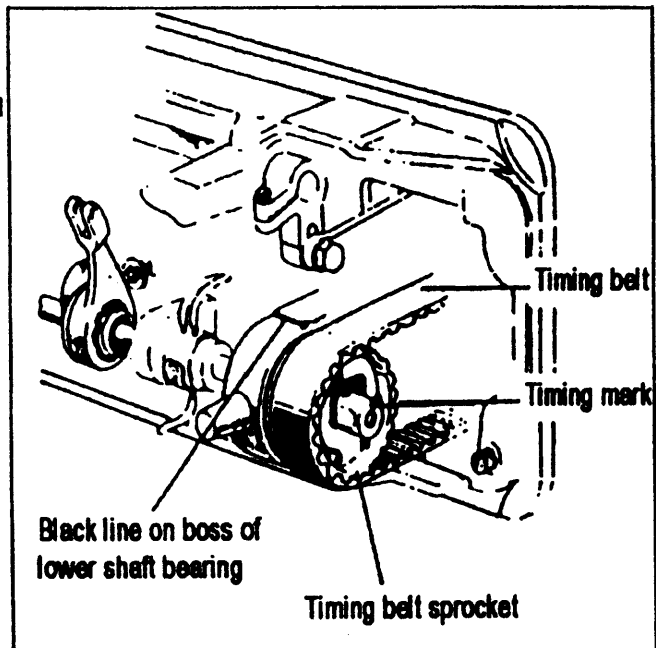
- (1) Lean the machine head backward.
 - (2) Turn the hand wheel by hand and stop when the feed dog rises to the maximum height.
 - (3) Loosen the feed bar set screw.
 - (4) Vertically move the feed bar (in the direction indicated by arrow in the figure) to adjust it to adequate height.
 - (5) After the adjustment, tighten the feed bar set screw.
- The feed dog height is factory-adjusted to 1.2mm



14. Relationship between rotating hook motion and take-up lever motion

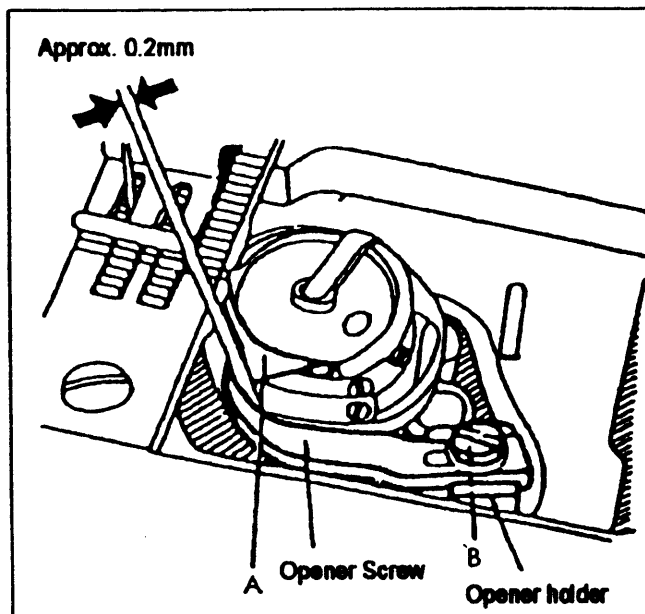
When the timing belt (toothed belt) was removed for its replacement, for example, the relationship between rotating hook motion and take-up lever motion should be adjusted as follows:

- (1) Turn the balance wheel and stop when the take-up lever is lifted to its upper dead point.
- (2) Lean the machine head backward and make sure the arrow (timing mark) put on the timing belt is in line with the black line on the boss of lower shaft bearing.
- (3) If the timing mark is not in line with the black line, remove the timing belt and install it again to adjust



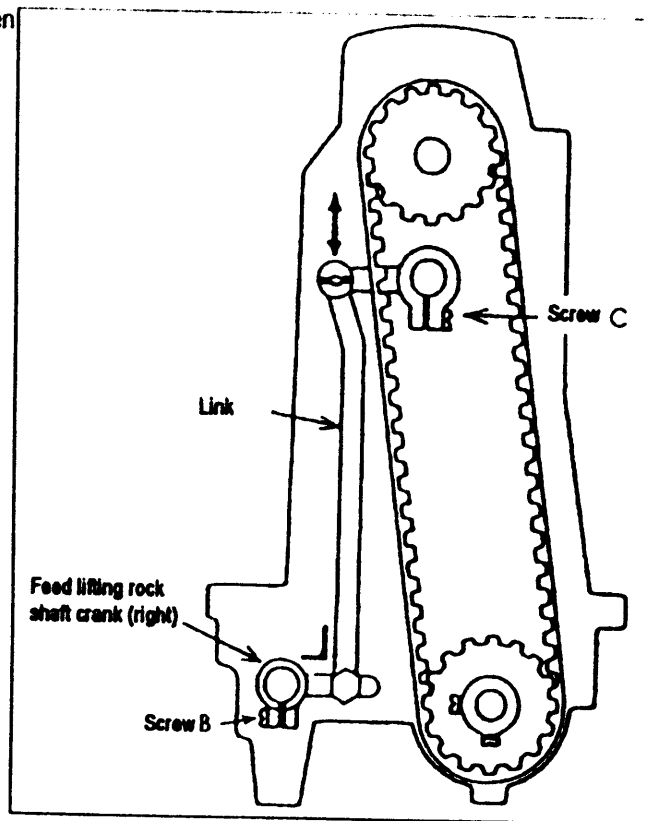
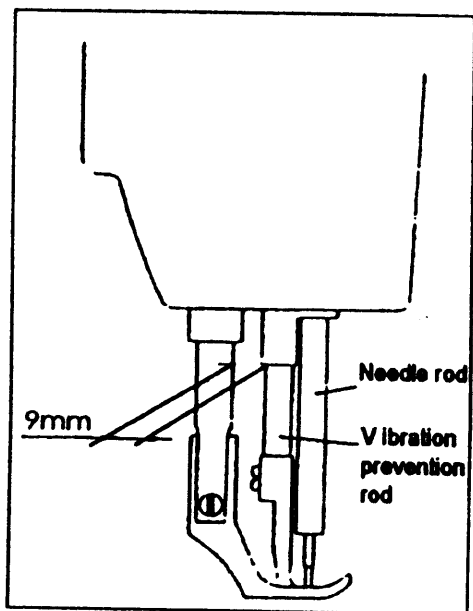
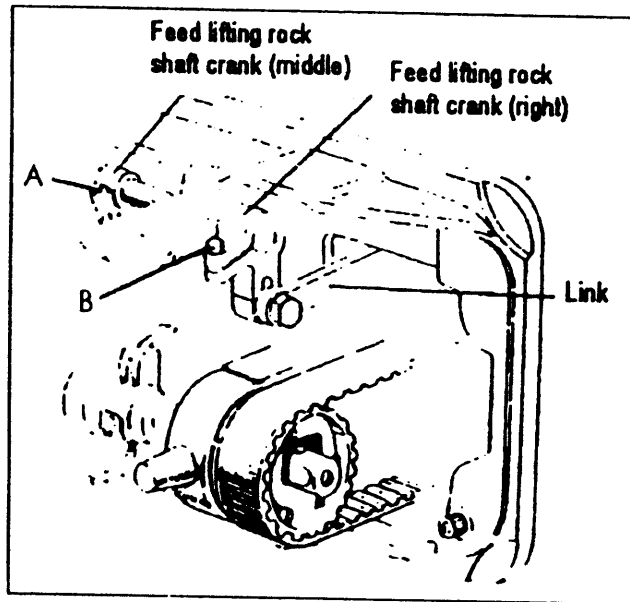
15. Relationship between hook motion and opener motion

- (1) Turn the balance wheel by hand and stop when the opener holder is located most remotely from the throat plate.
- (2) Make sure gap between the bobbin case holder A and the opener is approximately 0.2mm.
- (3) If the gap is too large or small, loosen the opener holder set screw A and adjust position of the opener.



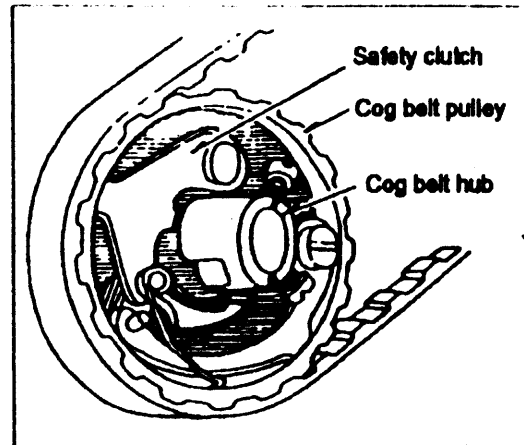
16. Relationship between needle motion and feed dog motion

- (1) Set feed length to "0" on the feed setting dial
 - (2) Lean the machine head backward.
 - (3) Loosen the feed lifting rock shaft crank set screws A and B
 - (4) Set the needle at the lowest position.
 - (5) Adjust the distance between presser rod and vibration prevention rod to 9mm and temporarily tighten the feed lifting rock shaft crank set screws A and B
 - (6) Check that the right feed lifting rock shaft crank is connected with the link at right angle, as shown in Figure.
 - (7) If the connection is not at right angle, remove the back cover, loosen screw C and move the right link to connect the right feed lifting rock shaft with the link at right angle.
 - (8) After the completion of adjustment, fully tighten the screws A, B and C.
- At this time make certain that needle can enter the feed dog needle hole at the center of the hole.



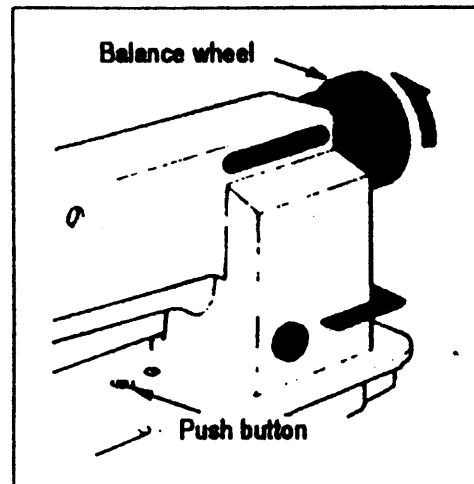
17. SAFETY CLUTCH DEVICE:

Safety clutch device is installed to prevent the hook and cog belt from damage in case the thread is caught into the hook when the machine is loaded abnormally during operation.



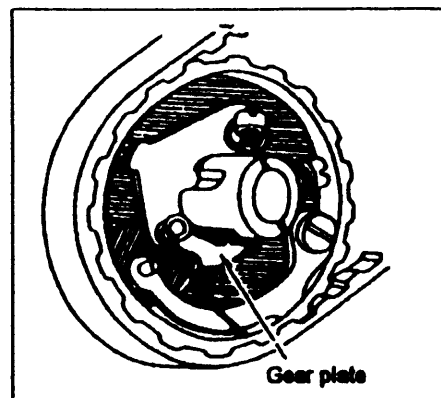
(1) FUNCTION OF SAFETY CLUTCH.

- A. When the safety clutch acts, the cog belt pulley will be unloaded. then the rotation of hook shaft will stop. The arm shaft only will rotate. Stop the operation of machine.
- B. Clean the thread thoroughly which is caught into the hook.
- C. Turn the cog belt hub by hand, and check whether the hook shaft rotates lightly and properly, place the clutch device as follows.



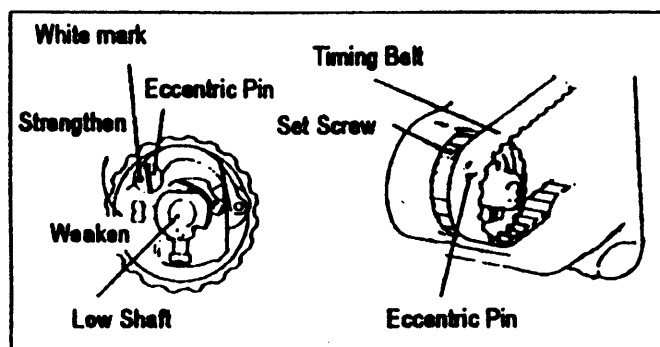
(2) HOW TO SET THE SAFETY CLUTCH.

- A. While pressing down the push button on the opposite side of bed by left hand, turn the balance wheel slowly by right hand away from you as shown in the figure.
- B. The balance wheel will stop by the gear plate, but turn the balance wheel more firmly.
- C. Release the push button.
- D. As shown in the Figure, the safety clutch device is set.



(3) FORCE APPLIED TO THE SEFETY CLUTCH.

- A. The force applied to the safety clutch is the smallest when the white mark of the eccentric pin faces the center of the lower shaft. The force proportionally increases as the white mark faces the outside.



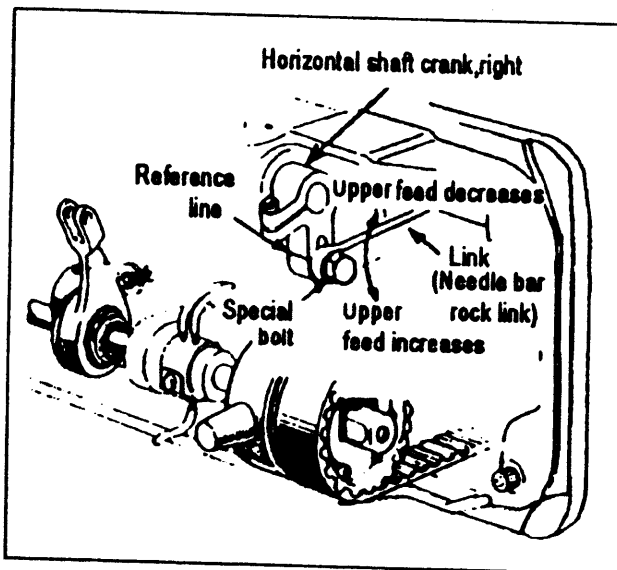
- B. To adjust the force slide the timing belt, loosen the set screw, and turn the eccentric pin.
- C. After the adjustment, make sure to fasten the set screw.

18. UPPER FEED ADJUSTMENT (NEEDLE SIDE)

If the uneven feeding occurs according to the fabric, adjust the long hole of the horizontal feed shaft crank (right) to adjust the upper feed length.

(How to adjust)

- (1) Loosen the special bolt.
- (2) Move the special bolt upward to decrease upper feed.
- (3) Move the special bolt downward to increase the upper feed. The upper feed and the lower feed theoretically becomes equal at the reference line on the horizontal feed shaft crank.
- (4) Securely tighten the special bolt after adjustment.

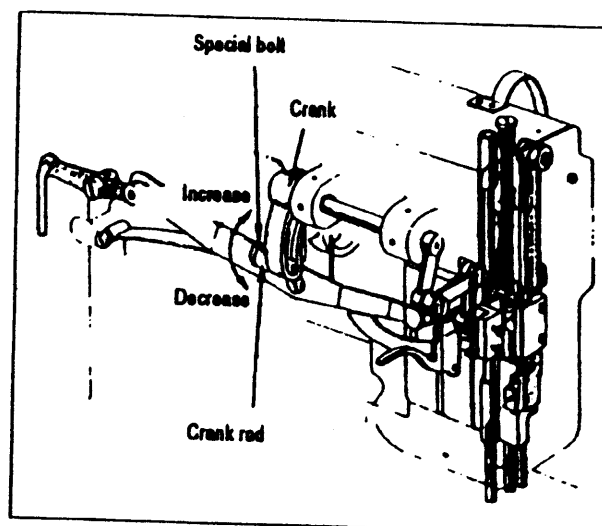


19. Outside presser foot and inside presser vertical stroke adjustment

When fabric with large elasticity is sewn, or when thickness of fabric changes, the vertical stroke (movable range) of the press feet should be adjusted as follows:

Adjustment

- (1) Loosen the special bolt.
- (2) The vertical strokes of the presser feet become maximum when the crank rod is moved upward and set.
- (3) The vertical strokes becomes minimum when the nut is moved downward and set.
- (4) After the adjustment, fully tighten the special bolt.



The vertical strokes of the presser feet can be adjusted within a range from 6mm to 2mm.

20. Adjustment

Screwing the pin that connects the link of back-sewing with the crank of back-sewing (down) can adjust the tolerance of between the stitches. Screwing the pin in clockwise can increase the stitch of forward sewing; otherwise, the stitch of back-sewing will be increased.

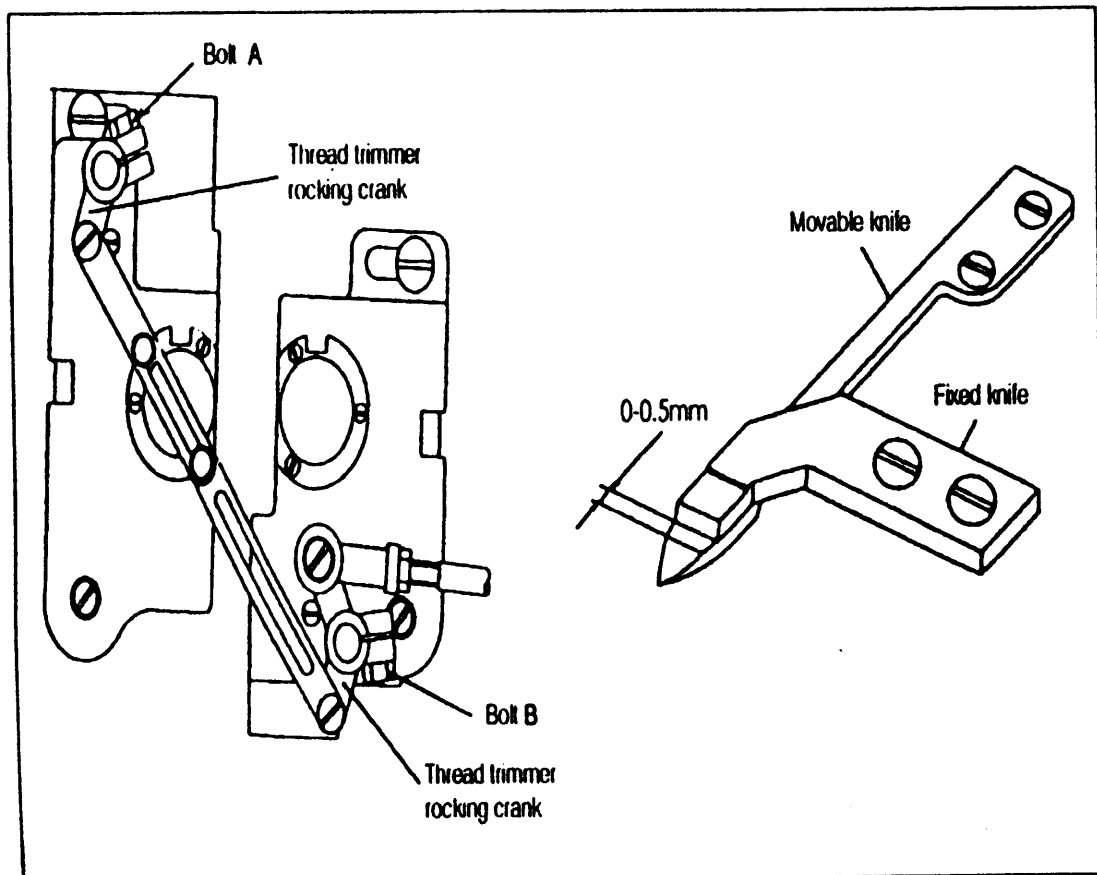
21. Installation of movable knife

(1) Installation of movable knife

- a. Turn the balance wheel and lower the needle bar to the lowest position.
- b. Push the cam follower crank so that the cam roller enters into the thread trimmer cam groove.
- c. Turn the balance wheel until the black mark point on the arm meets the white mark point on the balance wheel.

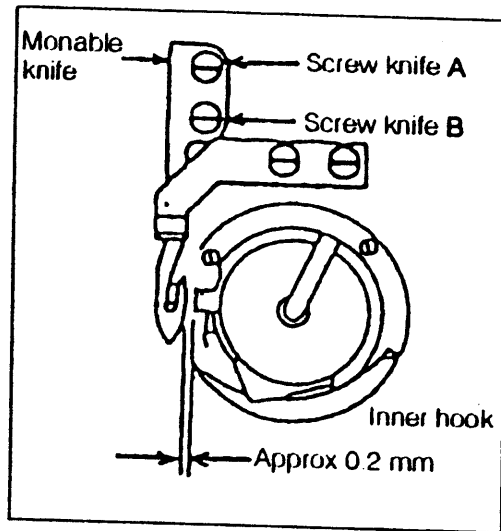
Set the cam follower crank at this position with a screwdriver temporarily preventing the cam roller coming out from the cam groove.

- d. Loosen the thread trimmer rocking crank clamp bolts A and B.
- e. Adjust the movable knife so that the movable knife end slant portion protrudes 0-0.5 mm from the fixed knife, as shown in Figure and tighten the bolts A and B.



(2) Gap between movable knife and bobbin case holder stopper

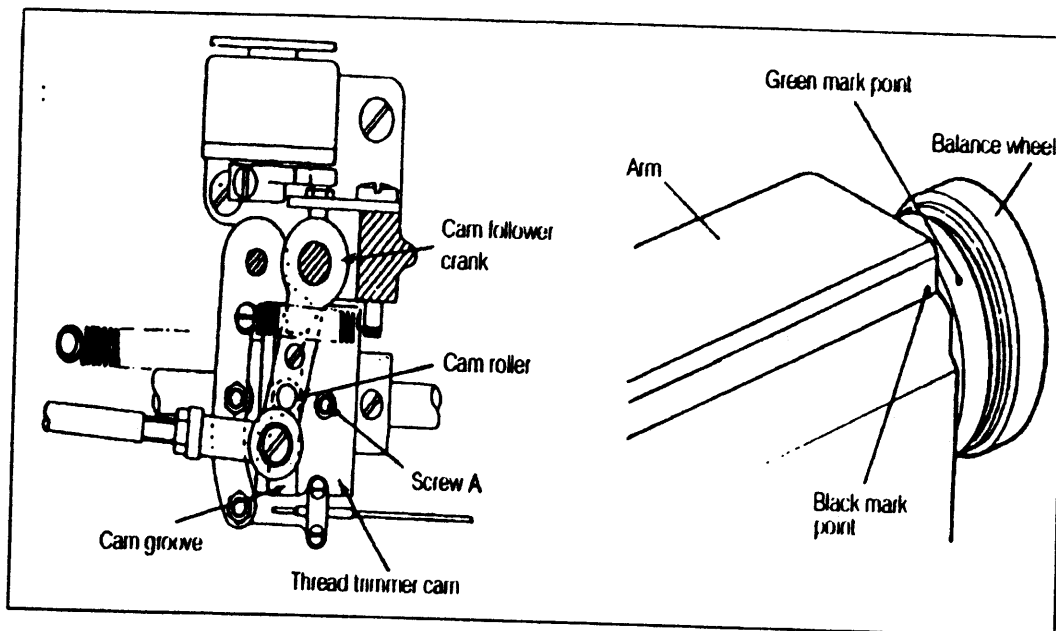
- a. Turn the balance wheel by hand until needle reaches the lowest position.
- b. With the needle at the lowest position, depress cam follower crank, turn the balance wheel until the movable knife reaches the extremity of its stroke.
- c. Manually rotate the inner hook in the direction indicated by arrow in Figure and adjust gap between the movable knife and the inner hook stopper to about 0.5 mm (the screws A and B should be loosened for this adjustment).



22. Adjustment of thread trimmer cam

- (1) Turn the balance wheel by hand until the needles reach the lowest position.
- (2) Maintaining the needle position, depress the cam follower crank and put the cam roller into the groove of thread trimmer cam.
- (3) Turning the balance wheel by hand, adjust the thread trimmer cam so that the movable knife starts moving when the green mark point on the balance wheel comes in line with the black mark point on the arm.

To adjust, loosen two thread trimmer cam clamp screws A.



23. Adjustment of needle threads tension release assembly

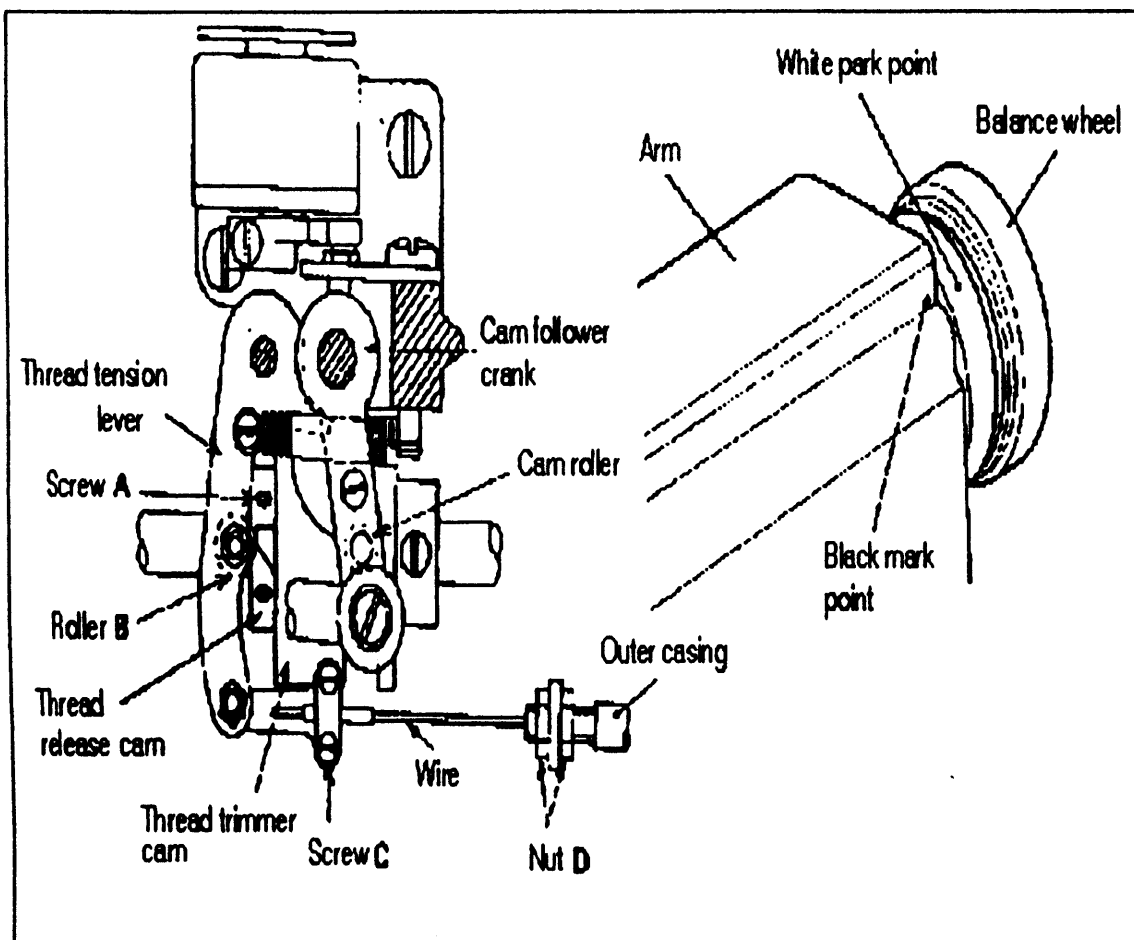
- (1) Turn the balance wheel by hand until the needles reach the lowest position.
- (2) Maintaining the needle position, depress the cam follower crank and put the cam roller into the groove of thread trimmer cam.
- (3) Turning the balance wheel by hand, adjust the thread tension release cam so that the tension disc close when the white mark point on the balance wheel comes in line with the black mark point on the arm.

To adjust, loosen two tension release cam clamp screws A.

- (4) Opening degree of tension disc should be adjusted with the tension release roller B mounted on the convexed portion of thread release cam, as shown in Fig.

To adjust, loosen the screws C and draw the wire.

- (5) Make fine adjustment by loosening the nut D.
- (6) Loosen the nut D and make the outer casing approach rightward to increase the opening value.

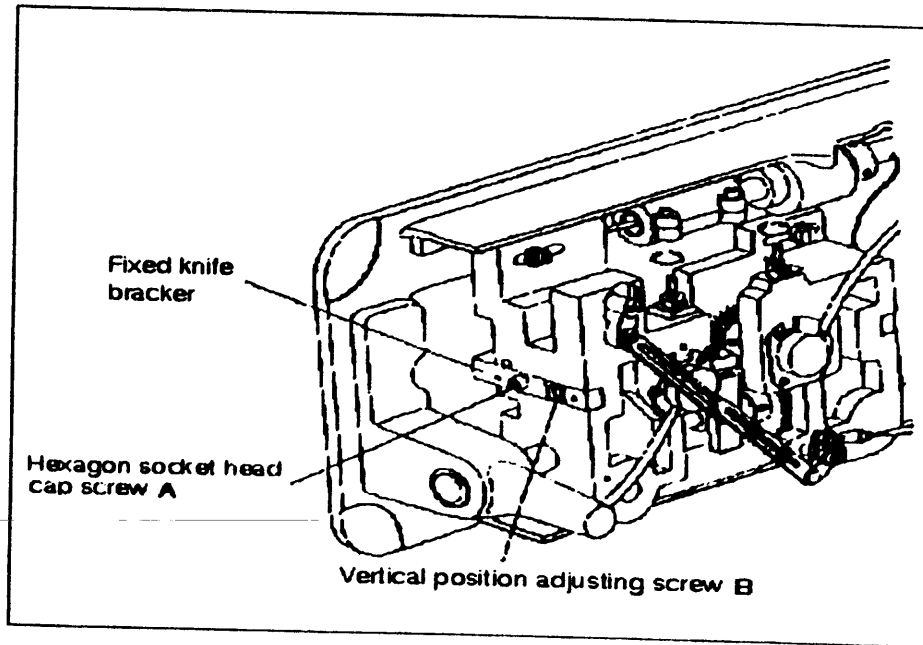


24. Adjustment of scissoring pressure of movable knife and fixed knife

- (1) Loosen the fixed knife bracket clamp bolt A.
- (2) Turn the vertical position adjusting screw B to adjust meshing pressure and then tighten the hexagon socket head cap screw A.

Note: Since excess pressure causes large torque to the thread trimming mechanism and trimming failure, adjust it so that thread can be trimmed with minimum pressure.

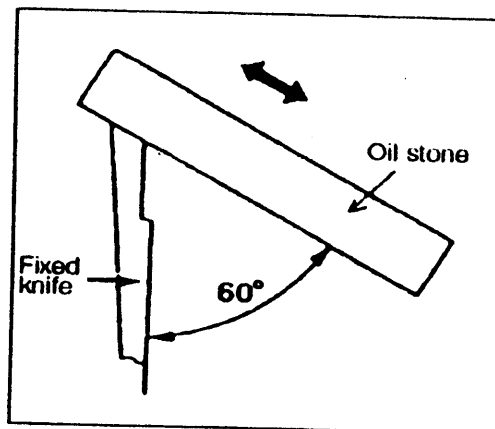
- (3) Move the movable knife and check that the thread can be sharply trimmed.



25. Sharpening of fixed knife

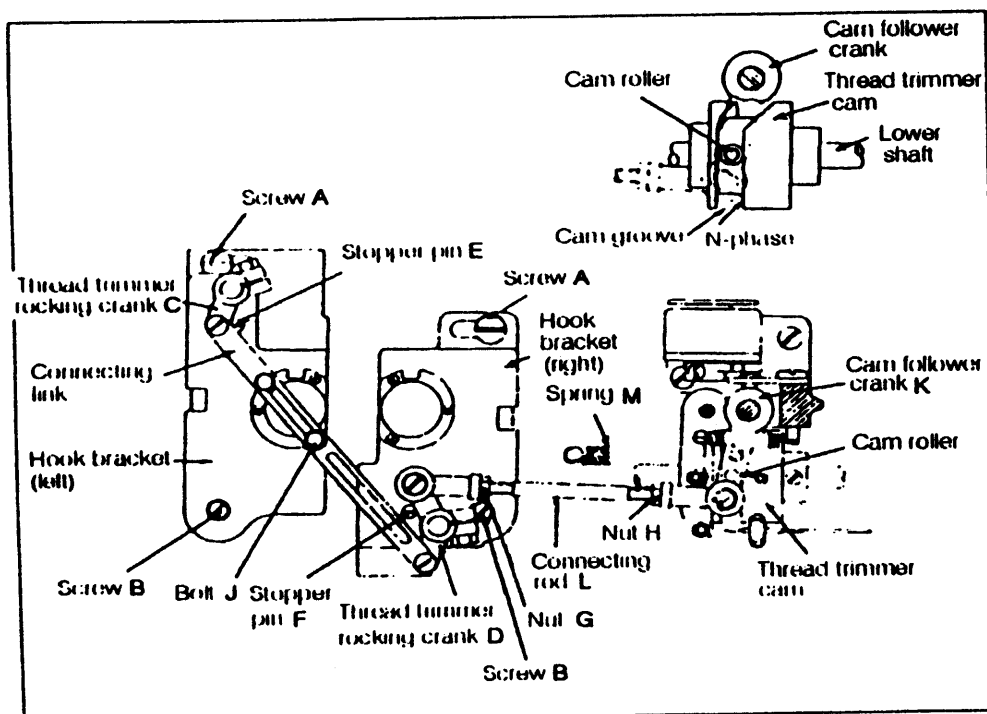
When the knives dull, the fixed should be sharpened as illustrated in Fig.

Since it is very difficult to sharpen the movable knife, replace it with a new one when it dulls.



26. Adjustment for change of needle-to-needle distance

- (1) Replace the throat plate, feed dog and needle clamp.
(Since the throat plate and feed dog are special parts designed for thread trimming machine, be sure to use those specified by us.)
- (2) Lean the machine head backward.
- (3) Loosen two connecting link clamp bolts J.
- (4) Remove the spring M.
- (5) Loosen the hook bracket clamp screws A and B and adjust gap between each needle and hook.
- (6) When the needles and hooks have been adjusted, install the spring M.
- (7) Contact the rocking cranks C and D to the stopper pins E and F and tighten the connecting link clamp bolt J.
- (8) Turn the balance wheel by hand until the needles reach the lowest position.
- (9) Loosen the nuts G and H.
- (10) Depress the cam follower crank K and adjust the connecting rod L so that the cam roller can smoothly enter the groove of thread trimmer cam.
- (11) Adjustment of the cam groove and the cam roller
 - a. Push the cam follower crank K so that the cam roller enters into the cam groove.
 - b. Turn the connecting rod L and adjust the clearance between the cam roller and the cam groove surface L as small as possible, and tighten the nuts G and H.
 - c. Push the cam follower crank K again and check that the cam roller enters into the thread trimmer cam groove smoothly.



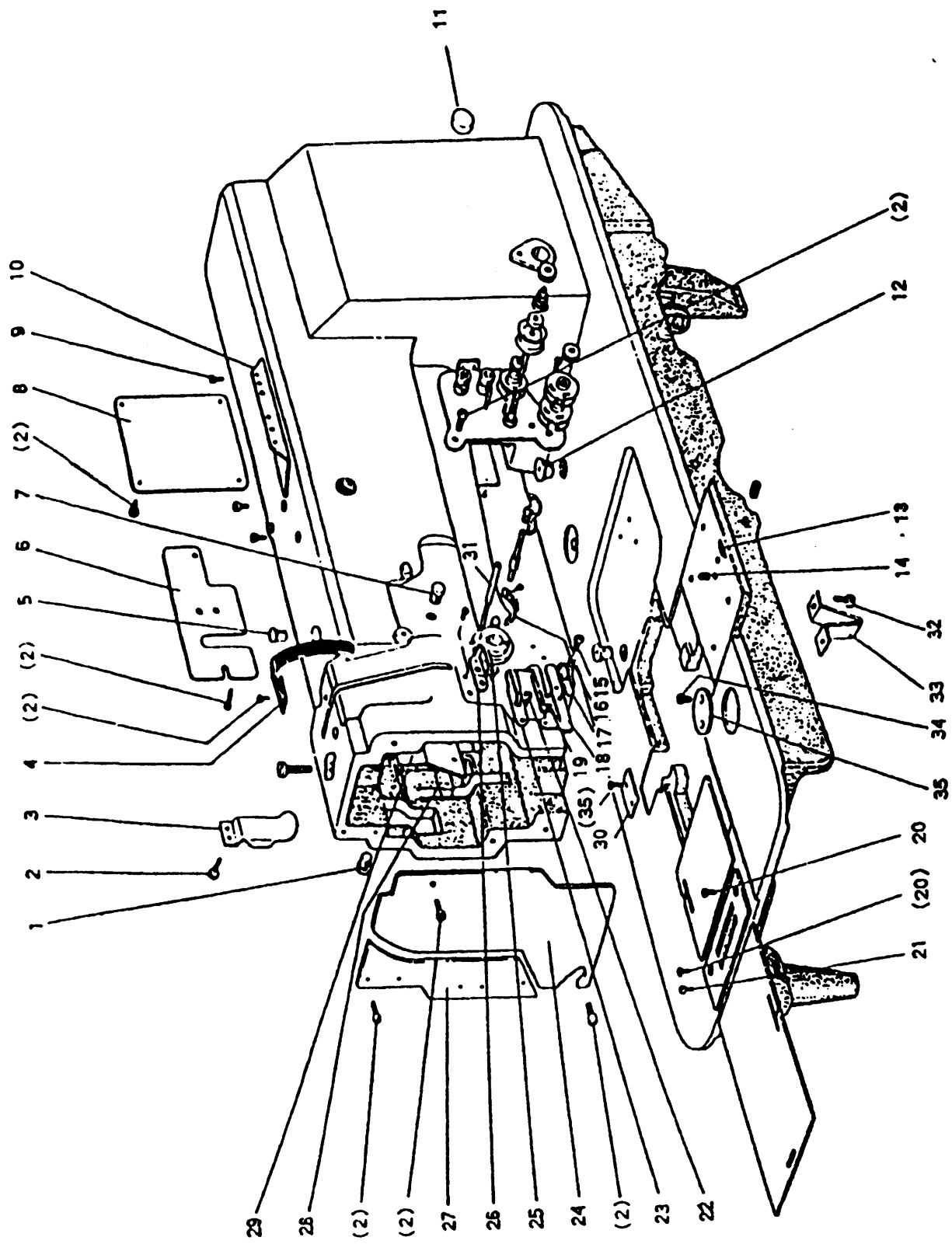
Specification

Specification		Model	
		WF-925-AUT	WF-926-AUT
Number of needle		Single-needle	Double-needle
Application		Heavy material	
Max. sewing speed		2000rpm	
Stitch length		0-9mm	
Thread take-up lever stroke		74.5mm	
Needle-bar stroke		36mm	
Presser-foot stroke		16 by knee	8 by hand
Vertical stroke of upper feed		2--6mm	
Needle No.		DP X 17 (#23 standard)	
Hook(horizontal full-rotating)		Large	
Thread take-up lever		Slide lever	
Automatic Thread trimmer		○	○
Touch back		○	○
Stitch adjusting system		Dial	
Lubrication system		Automatic lubrication	
Motor		Clutch motor	
Needle gauge	Standard	6.4mm	
	Special	3.2	4 4.8 8 9.5 12.7 16 19 25.4mm

Note:

- ◆ Some materials, gauge sizes, and/or sewing conditions may require specifications other than those listed above.
- ◆ Feed dog, throat plate, rotating hook, bobbin case and bobbin should be those designed for thread trimmer.
- ◆ Bobbin should be of high quality free from deformation.
- ◆ This specification is subject to change for machine improvement.

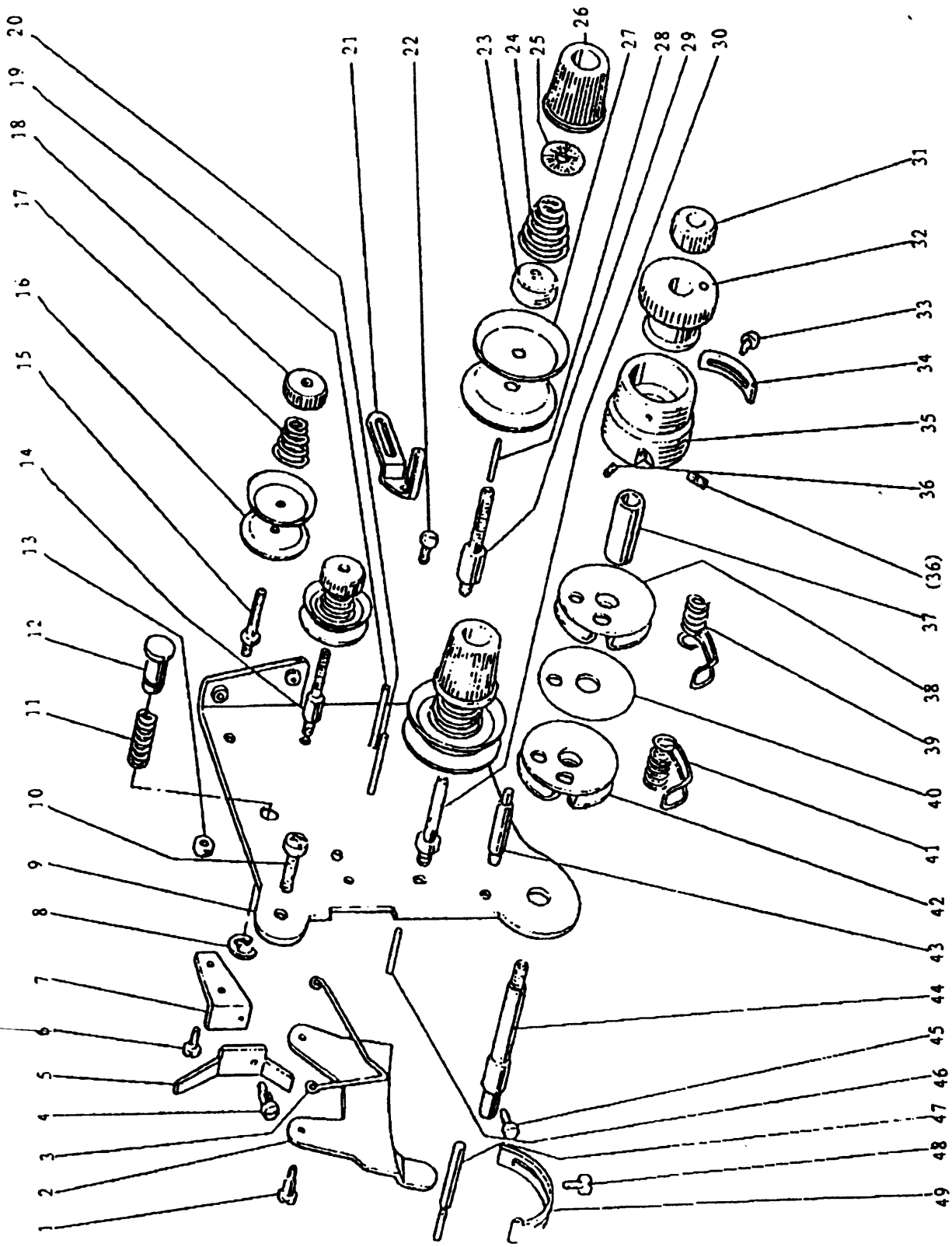
A: BODY AND IT'S ACCESSORIES



A:BODY AND IT'S ACCESSORIES

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49A001	Rubber plug	2	2
2	H49A002	Screw	15	15
3	H49A003	Oil guard plate	1	1
4	H49A004	Thread take-up cover	1	1
5	H49A005	Rubber plug	1	1
6	H49A006	Side cover (left)	1	1
7	H49A007	Rubber plug	1	1
8	H49A008	Side cover (right)	1	1
9	H49A009	Screw	2	2
10	H49A010	Thread guide	1	1
11	H49A011	Rubber plug	1	1
12	H49A012	Cap	2	2
13	H49A013	Slide plate complete		1
14	H49A014	Screw		1
15	H49A015	Screw	1	1
16	H49A016	Spring	1	1
17	H49A017	Plate	1	1
18	H49A018	Thread guide	1	1
19	H49A019	Screw	1	1
20	H49A020	Screw	2	1
21	H49A021	Screw		1
22	H49A022	Screw	1	1
23	H49A023	Thread guide (middle)	1	1
24	H49A024	Face plate	1	1
25	H49A025	Screw	2	2
26	H49A026	Thread guide (upper)	1	1
27	H49A027	Guide mounting plate	1	1
28	H49A028	Plate for oil guard	1	1
29	H49A029	Oil guard	1	1
30	H49A030	Cover	1	1
31	H49A031	Tension releasing pin	1	1
32	H49A032	Screw	2	2
33	H49A033	Supporter	1	1
34	H49A034	Screw	2	4
35	H49A035	Cover		1

B: THREAD TENSION REGULATOR MECHANISM



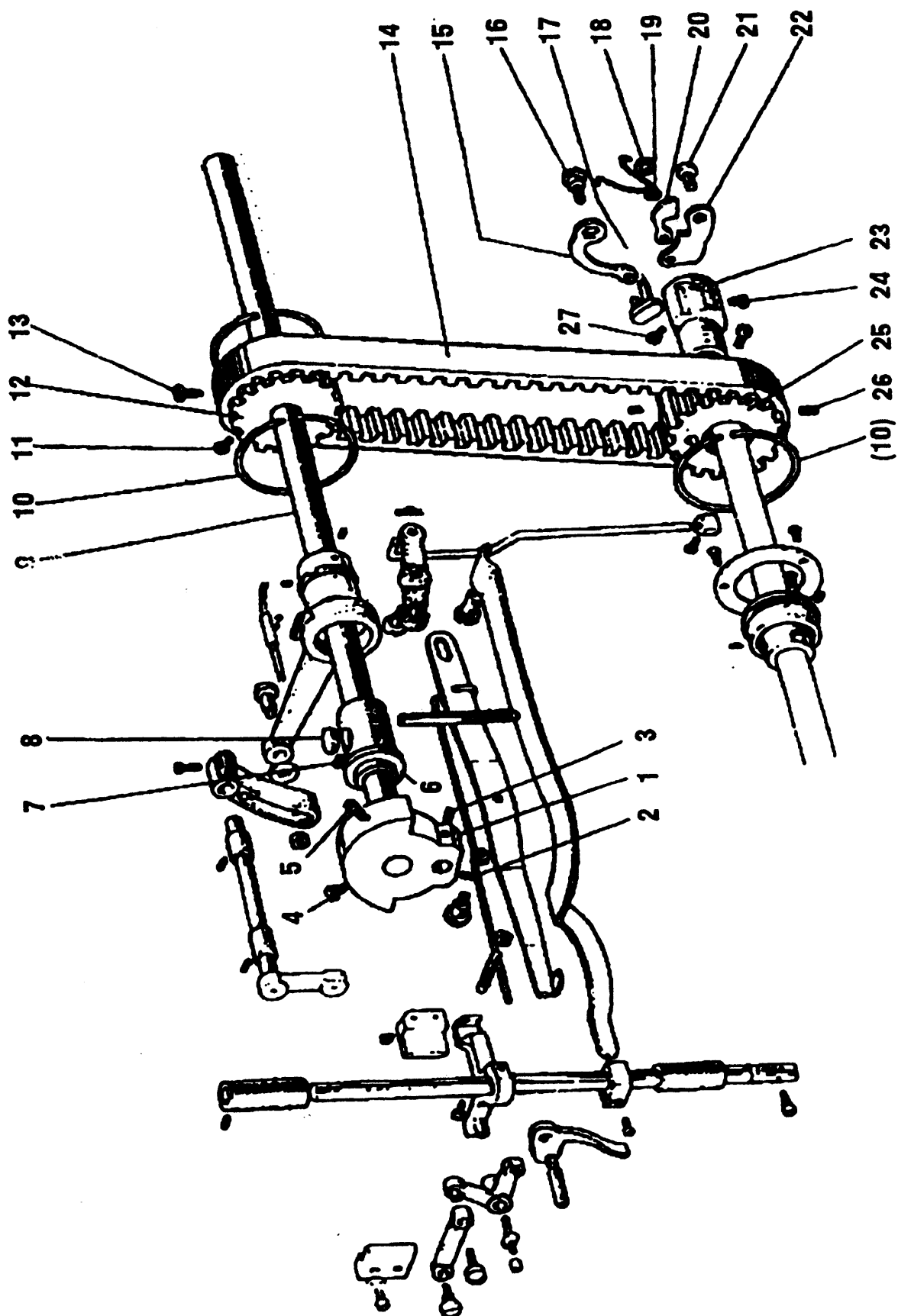
B:THREAD TENSION REGULATOR MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49B001	Screw	2	2
2	H49B002	Tension releasing plate	1	1
3	H49B003	Tension releasing spring	1	1
4	H49B004	Screw	1	1
5	H49B005	Lever	1	1
6	H49B006	Screw	1	1
7	H49B007	Mounting plate	1	1
8	H49B008	Stop ring	1	1
9	H49B009	Mounting plate	1	1
10	H49B010	Screw	2	2
11	H49B011	Spring	1	1
12	H49B012	Push button	1	1
13	H49B013	Nut	2	2
14	H49B014	Thread tension stud	1	1
15	H49B015	Thread tension stud		1
16	H49B016	Thread tension disk	2	4
17	H49B017	Thread tension spring	1	2
18	H49B018	Thumb nut	1	2
19	H49B019	Pin		1
20	H49B020	Pin	1	1
21	H49B021	Thread guide	1	1
22	H49B022	Screw	1	1
23	H49B023	Thread tension releasing plate	1	2
24	H49B024	Thread tension spring	1	2
25	H49B025	Thumb nut revolution stopper	1	2
26	H49B026	Thumb nut complete	1	2
27	H49B027	Thread tension disk	2	4
28	H49B028	Pin	1	1
29	H49B029	Thread tension stud	1	1
30	H49B030	Thread tension stud		1
31	H49B031	Thumb nut	1	1
32	H49B032	Take-up spring guide	1	1
33	H49B033	Screw	1	1
34	H49B034	Stopper	1	1
35	H49B035	Thread tension post	1	1
36	H49B036	Screw	2	2

B:THREAD TENSION REGULATOR MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
37	H49B037	Bushing	1	1
38	H49B038	Plate complete	1	1
39	H49B039	Thread take-up spring	1	1
40	H49B040	Plate	1	1
41	H49B041	Thread take-up spring		1
42	H49B042	Plate complete	1	1
43	H49B043	Screw	1	1
44	H49B044	Thread tension stud	1	1
45	H49B045	Screw	1	1
46	H49B046	Pin	1	1
47	H49B047	Tension releasing pin	1	1
48	H49B048	Screw	1	1
49	H49B049	Stopper	1	1

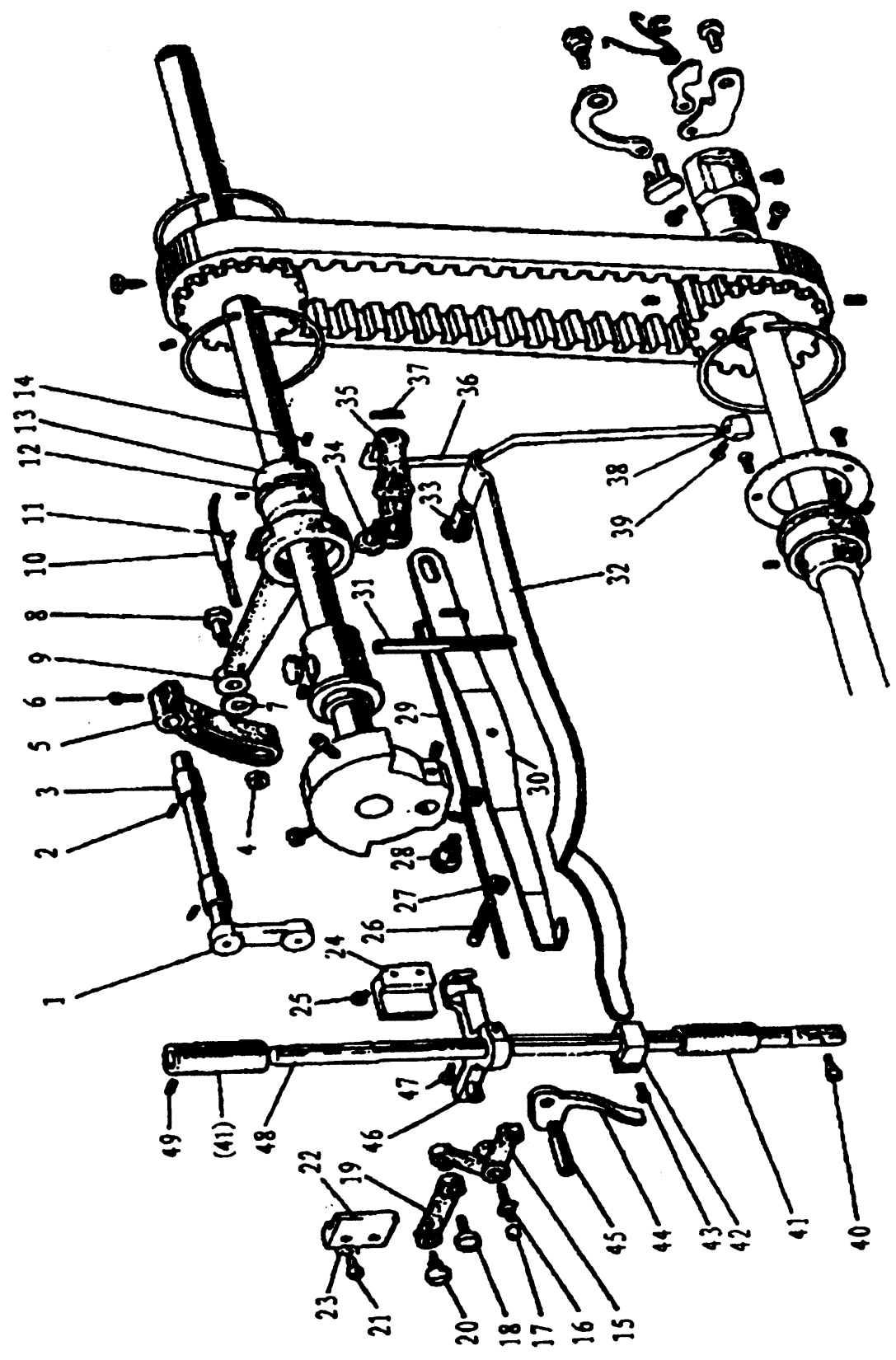
C: UPPER SHAFT MECHANISM



C: UPPER SHAFT MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49C001	Needle bar crank complete	1	1
2	H49C002	Screw	1	1
3	H49C003	Screw	1	1
4	H49C004	Screw	1	1
5	H49C005	Screw	1	1
6	H49C006	Arm shaft bushing (left)	1	1
7	H49C007	Screw	1	1
8	H49C008	Felt	1	1
9	H49C009	Arm shaft	1	1
10	H49C010	Spring flange	3	3
11	H49C011	Screw	1	1
12	H49C012	Belt pulley (upper)	1	1
13	H49C013	Screw	1	1
14	H49C014	Cog belt	1	1
15	H49C015	Spring plate	1	1
16	H49C016	Pin	1	1
17	H49C017	Link	1	1
18	H49C018	E-type stop ring	1	1
19	H49C019	Twist spring	1	1
20	H49C020	Plate	1	1
21	H49C021	Pin	1	1
22	H49C022	Plate	1	1
23	H49C023	Bushing	1	1
24	H49C024	Screw	1	1
25	H49C025	Belt pulley (lower)	1	1
26	H49C026	Screw	2	2
27	H49C027	Screw	1	1

D: PRESSER FOOT MECHANISM



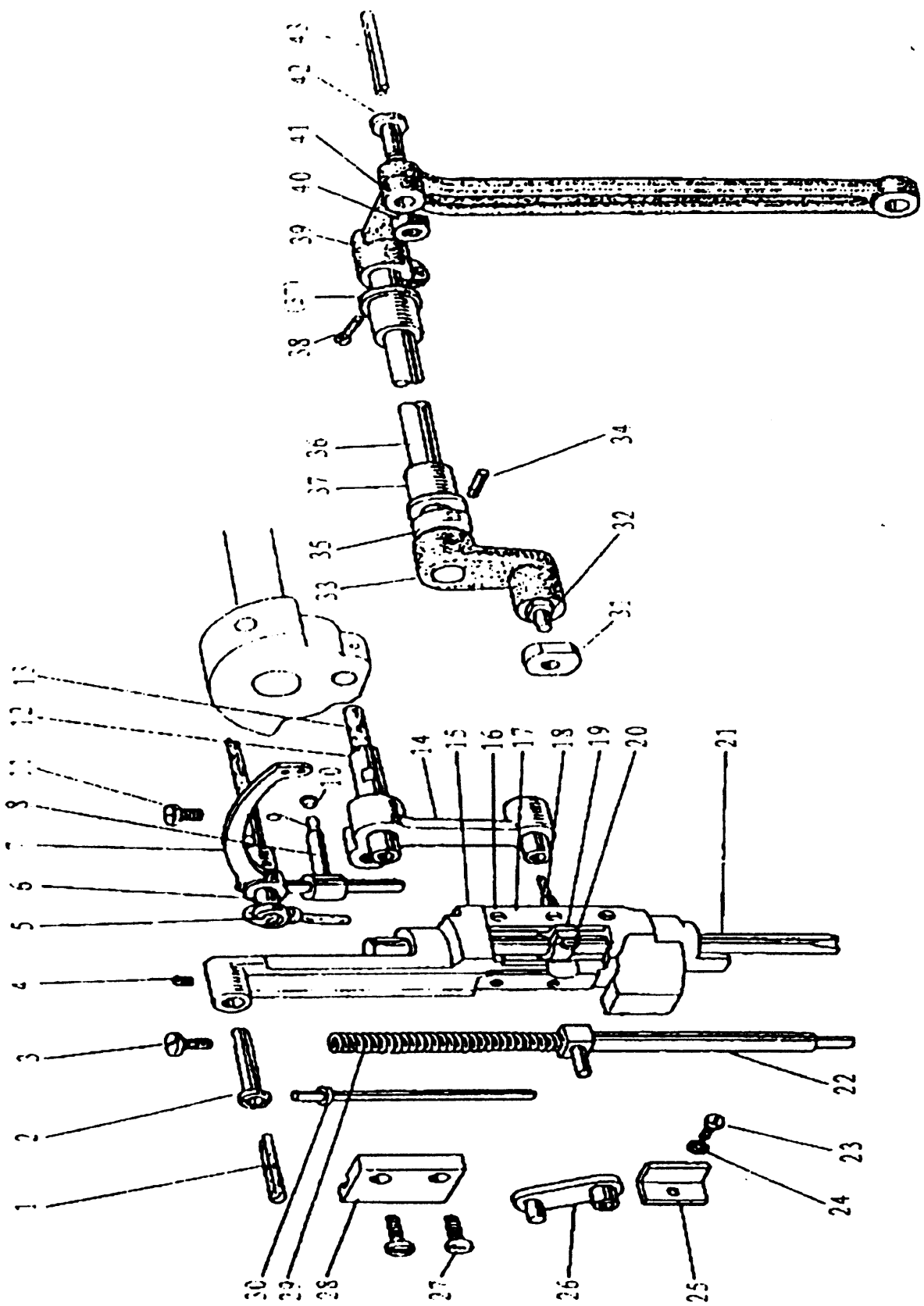
D: PRESSER FOOT MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49D001	Feed lifting rock shaft	1	1
2	H49D002	Screw	2	2
3	H49D003	Bushing	2	2
4	H49D004	Nut	1	1
5	H49D005	Lever	1	1
6	H49D006	Screw	1	1
7	H49D007	Washer	1	1
8	H49D008	Bolt	1	1
9	H49D009	Connecting rod	1	1
10	H49D010	Oil pipe & wick complete	1	1
11	H49D011	Spring	1	1
12	H49D012	C-type stop ring	1	1
13	H49D013	Eccentric	1	1
14	H49D014	Screw	2	2
15	H49D015	Bell crank	1	1
16	H49D016	Support shaft	1	1
17	H49D017	Roller	1	1
18	H49D018	Screw	1	1
19	H49D019	Link	1	1
20	H49D020	Screw	1	1
21	H49D021	Screw	2	2
22	H49D022	Bell crank guide	1	1
23	H49D023	Washer	2	2
24	H49D024	Guide	1	1
25	H49D025	Screw	2	2
26	H49D026	Screw	1	1
27	H49D027	Nut	1	1
28	H49D028	Screw	1	1
29	H49D029	Twist spring	1	1
30	H49D030	Knee lifting lever	1	1
31	H49D031	Screw	1	1
32	H49D032	Lever spring	1	1
33	H49D033	Screw	1	1
34	H49D034	Screw	1	1
35	H49D035	Knee lifter lifting lever complete	1	1
36	H49D036	Operation rod	1	1

D: PRESSER FOOT MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
37	H49D037	Snap pin	1	1
38	H49D038	Collar	1	1
39	H49D039	Screw	1	1
40	H49D040	Screw	1	1
41	H49D041	Bushing	2	2
42	H49D042	Spring bracket	1	1
43	H49D043	Screw	1	1
44	H49D044	Lifter lever	1	1
45	H49D045	Screw pin	1	1
46	H49D046	Bracket	1	1
47	H49D047	Screw	1	1
48	H49D048	Presser bar	1	1
49	H49D049	Screw	2	2

E: NEEDLE BAR AND THREAD TAKE-UP LEVER MECHANISM



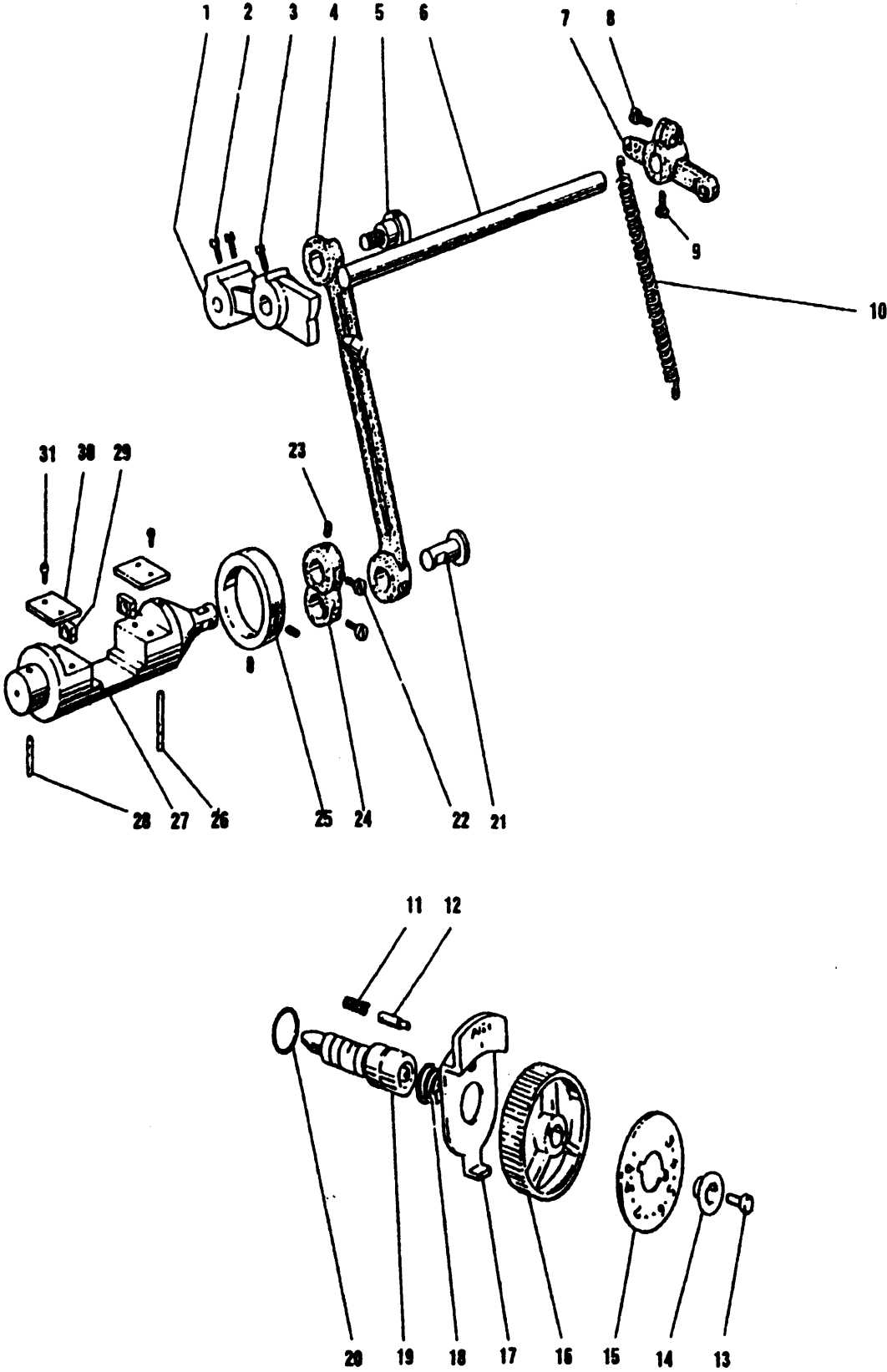
E: NEEDLE BAR AND THREAD TAKE-UP LEVER MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49E001	Oil wick	1	1
2	H49E002	Needle bar guide bracket stud	1	1
3	H49E003	Screw	1	1
4	H49E004	Screw	1	1
5	H49E005	Oil wick	1	1
6	H49E006	Thread take-up lever support stud	1	1
7	H49E007	Thread take-up lever	1	1
8	H49E008	Thread take-up slide brock	1	1
9	H49E009	Oil wick	1	1
10	H49E010	Plug	1	1
11	H49E011	Screw	1	1
12	H49E012	Needle bar crank pin	1	1
13	H49E013	Oil wick	1	1
14	H49E014	Connecting link	1	1
15	H49E015	Needle bar guide bracket	1	1
16	H49E016	Screw	6	6
17	H49E017	Spacer	2	2
18	H49E018	Felt	1	1
19	H49E019	Needle bar holder	1	1
20	H49E020	Screw	1	1
21	H49E021	Needle bar		1
21	H49E022	Needle bar	1	
22	H49E023	Vibrating presser bar	1	1
23	H49E024	Screw	1	1
24	H49E025	Washer	1	1
25	H49E026	Needle bar guide	1	1
26	H49E027	Vibrating presser bar link	1	1
27	H49E028	Screw	2	2
28	H49E029	Vibrating presser bar guide	1	1
29	H49E030	Spring	1	1
30	H49E031	Vibrating presser spring guide	1	1
31	H49E032	Square block	1	1
32	H49E033	Crank pin	1	1
33	H49E034	Needle bar vibrating crank (left)	1	1
34	H49E035	Taper	1	1
35	H49E036	Collar	1	1

E: NEEDLE BAR AND THREAD TAKE-UP LEVER MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
36	H49E037	Needle bar vibrating shaft	1	1
37	H49E038	Needle bar vibrating shaft bushing	2	2
38	H49E039	Screw	1	1
39	H49E040	Needle bar vibrating crank (right)	1	1
40	H49E041	Nut	1	1
41	H49E042	Connecting link	1	1
42	H49E043	Screw	1	1
43	H49E044	Oil wick	1	1

F: STITCH REGULATOR MECHANISM



F: STITCH REGULATOR MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49F001	Feed regulator cam	1	1
2	H49F002	Screw	3	3
3	H49F003	Screw	1	1
4	H49F004	Link	1	1
5	H49F005	Eccentric shaft	1	1
6	H49F006	Reverse stitch shaft (upper)	1	1
7	H49F007	Arm	1	1
8	H49F008	Screw	1	1
9	H49F009	Screw	1	1
10	H49F010	Spring	1	1
11	H49F011	Spring	1	1
12	H49F012	Pin	1	1
13	H49F013	Screw	1	1
14	H49F014	Bushing	1	1
15	H49F015	Stitch length indicating plate	1	1
16	H49F016	Dial	1	1
17	H49F017	Stopper pin releasing lever	1	1
18	H49F018	Coil spring	1	1
19	H49F019	Screw bar	1	1
20	H49F020	O-ring	1	1
21	H49F021	Pin	1	1
22	H49F022	Screw	1	1
23	H49F023	Screw	3	3
24	H49F024	Reverse sewing crank	1	1
25	H49F025	Collar	1	1
26	H49F026	Felt	1	1
27	H49F027	Rverse block	1	1
28	H49F028	Felt	1	1
29	H49F029	Square block	2	2
30	H49F030	Guide plate	2	2
31	H49F031	Screw	4	4

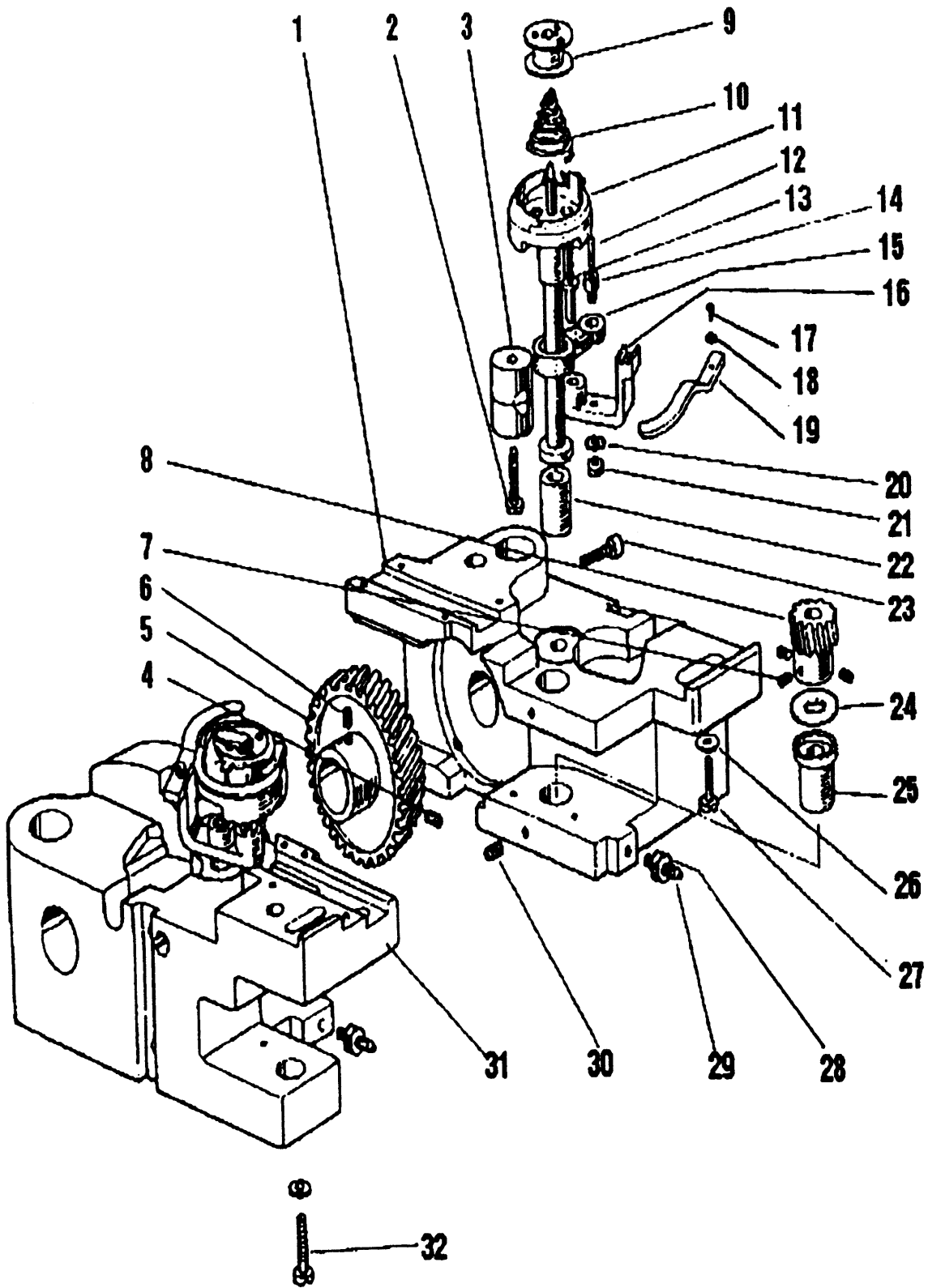
G:LOW SHAFT AND FEED ROCKING MOTION MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49G001	Lower shaft bushing (left)	1	1
2	H49G002	Oil wick	1	1
3	H49G003	Lower shaft	1	1
4	H49G004	Feed eccentric cam	1	1
5	H49G005	Screw	1	1
6	H49G006	Lower shaft bushing (right)	1	1
7	H49G007	Oil wick	1	1
8	H49G008	Stop ring	1	1
9	H49G009	Spring	1	1
10	H49G010	Push button	1	1
11	H49G011	Screw	2	2
12	H49G012	Feed eccentric	1	1
13	H49G013	Feed connecting rod	1	1
14	H49G014	Needle bearing	1	1
15	H49G015	C-type stop ring	1	1
16	H49G016	Oil wick	1	1
17	H49G017	Shaft	1	1
18	H49G018	Lower shaft bushing complete (mid	1	1
19	H49G019	Bushing	1	1
20	H49G020	Screw	1	1
21	H49G021	Screw	1	1
22	H49G022	Ball bearing	1	1
23	H49G023	Bearing holder	1	1
24	H49G024	Screw	3	3
25	H49G025	Washer	1	1
26	H49G026	Screw	1	1
27	H49G027	Nut	1	1
28	H49G028	Feed connection crank (right)	1	1
29	H49G029	Screw	1	1
30	H49G030	Feed rock shaft bushing	2	2
31	H49G031	Screw	2	2
32	H49G032	Collar	2	2
33	H49G033	Screw	4	4
34	H49G034	Screw	1	1
35	H49G035	Feed connection crank (middle)	1	1
36	H49G036	Link	1	1

G:LOW SHAFT AND FEED ROCKING MOTION MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
37	H49G037	E-type stop ring	2	2
38	H49G038	Pin	1	1
39	H49G039	Oil wick	1	1
40	H49G040	Feed rock shaft	1	1
41	H49G041	Felt	2	2
42	H49G042	Oil wick	1	1
43	H49G043	Clip	1	1
44	H49G044	Screw	2	2
45	H49G045	Feed connection crank (left)	1	1
46	H49G046	Feed bar shaft	1	1
47	H49G047	Oil wick	1	1
48	H49G048	Bolt	2	2
49	H49G049	Bolt	1	1
50	H49G050	Feed bar		1
50	H49G051	Feed bar	1	
51	H49G052	Screw	1	1
52	H49G053	Washer	1	1
53	H49G054	Nut	1	1
54	H49G055	Screw	1	1
55	H49G056	Screw	1	1
56	H49G057	Felt	1	1
57	H49G058	Feed bar forked connection	1	1

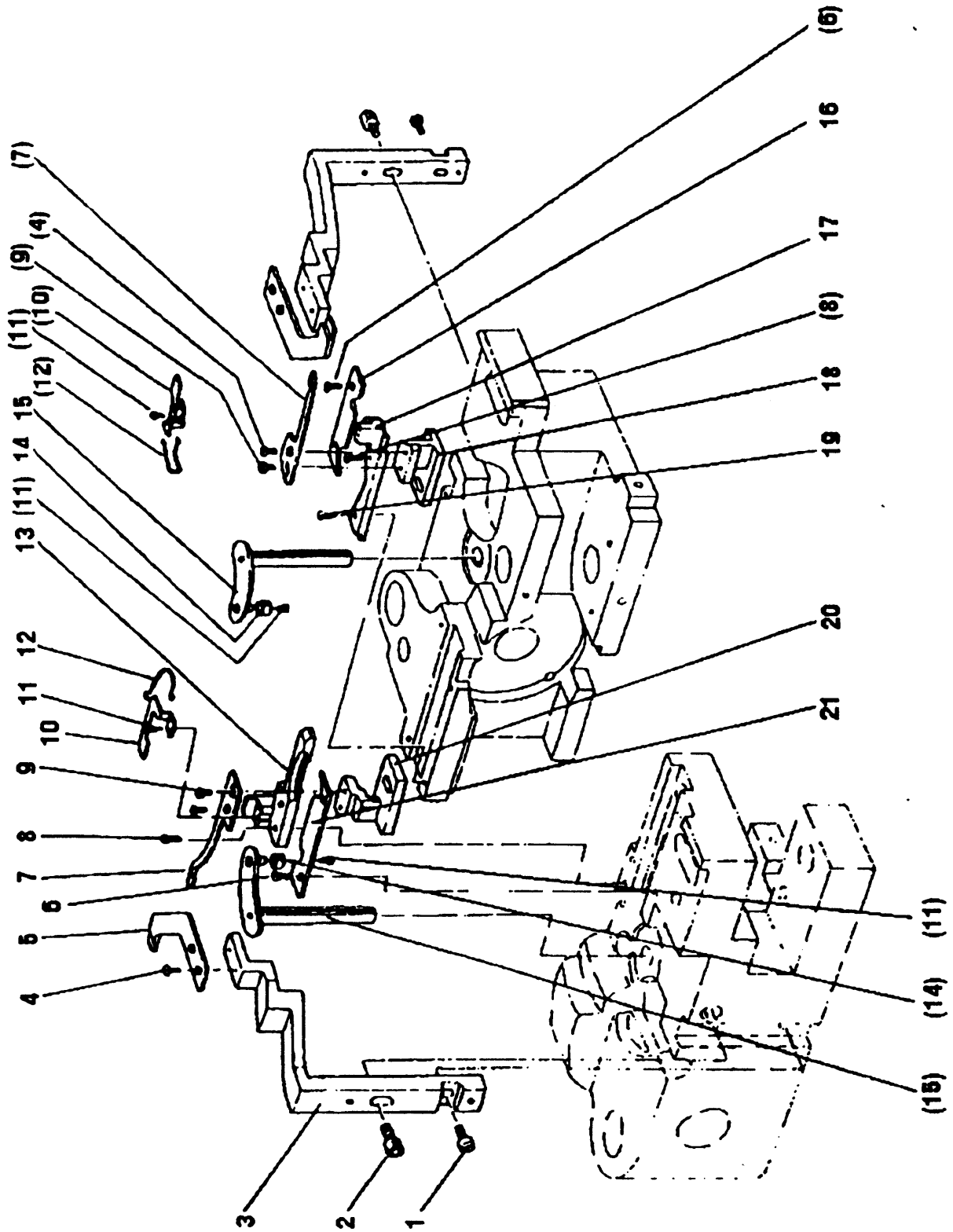
H: HOOK SADDLE MECHANISM



H:HOOK SADDLE MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49H001	Hook saddle (right)	1	1
2	H49H002	Screw	1	2
3	H49H003	Bushing	1	2
4	H49H004	Screw	3	6
5	H49H005	Hook driving gear (large)	1	2
6	H49H006	Screw	1	2
7	H49H007	Screw	1	2
8	H49H008	Hook driving gear (small)	1	2
9	H49H009	Bobbin	1	2
10	H49H010	Spring	1	2
11	H49H011	Hook complete	1	2
12	H49H012	Oil wick	2	4
13	H49H013	Opener bracket shaft	1	2
14	H49H014	Screw	1	2
15	H49H015	Link	1	2
16	H49H016	Opener bracket	1	2
17	H49H017	Screw	1	2
18	H49H018	Washer	1	2
19	H49H019	Opener	1	2
20	H49H020	Spring washer	1	2
21	H49H021	Nut	1	2
22	H49H022	Hook shaft bushing (upper)	1	2
23	H49H023	Screw	1	2
24	H49H024	Washer	1	2
25	H49H025	Hook shaft bushing (lower)	1	2
26	H49H026	Washer	1	2
27	H49H027	Screw	1	1
28	H49H028	Nut	1	2
29	H49H029	Screw	1	2
30	H49H030	Screw	2	4
31	H49H031	Hook saddle (left)		1
32	H49H032	Screw		1

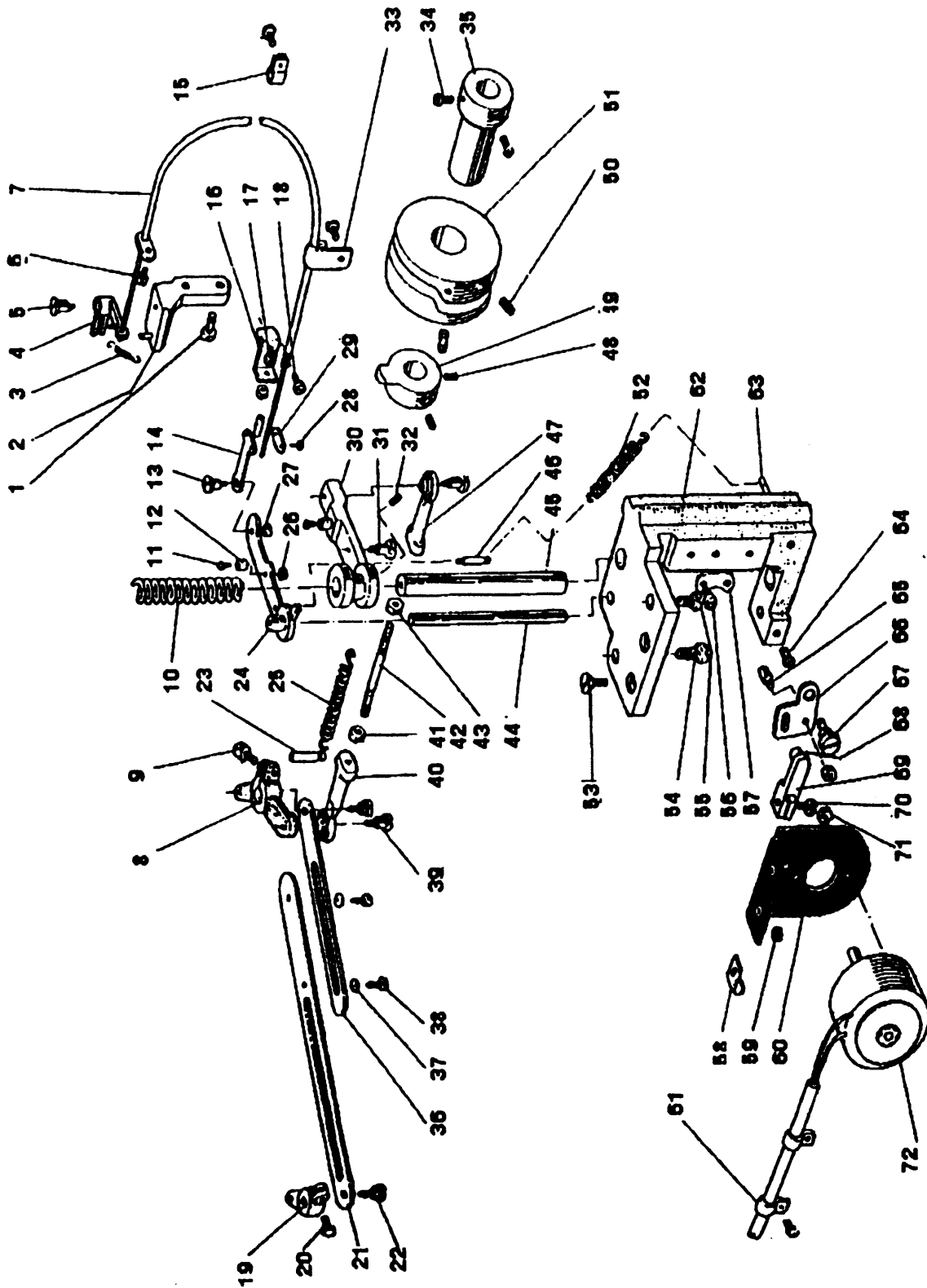
I: KNIFE MECHANISM(I)



I:KNIFE MECHANISM (I)

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49I001	Screw	1	2
2	H49I002	Bolt	1	2
3	H49I003	Trimming knife holder	1	2
4	H49I004	Screw	3	6
5	H49I005	Fixed blade	1	2
6	H49I006	Screw	2	4
7	H49I007	Moved knife	1	2
8	H49I008	Screw	1	2
9	H49I009	Screw	1	2
10	H49I010	Spring plate	1	2
11	H49I011	Screw	3	6
12	H49I012	Reversing spring	1	2
13	H49I013	Guide		1
14	H49I014	Roller	1	2
15	H49I015	Lever	1	2
16	H49I016	Cover	1	1
17	H49I017	Guide	1	1
18	H49I018	Knife pad (right)	1	1
19	H49I019	Screw	1	1
20	H49I020	Knife pad (left)		1
21	H49I021	Cover		1

J: KNIFE MECHANISM (II)



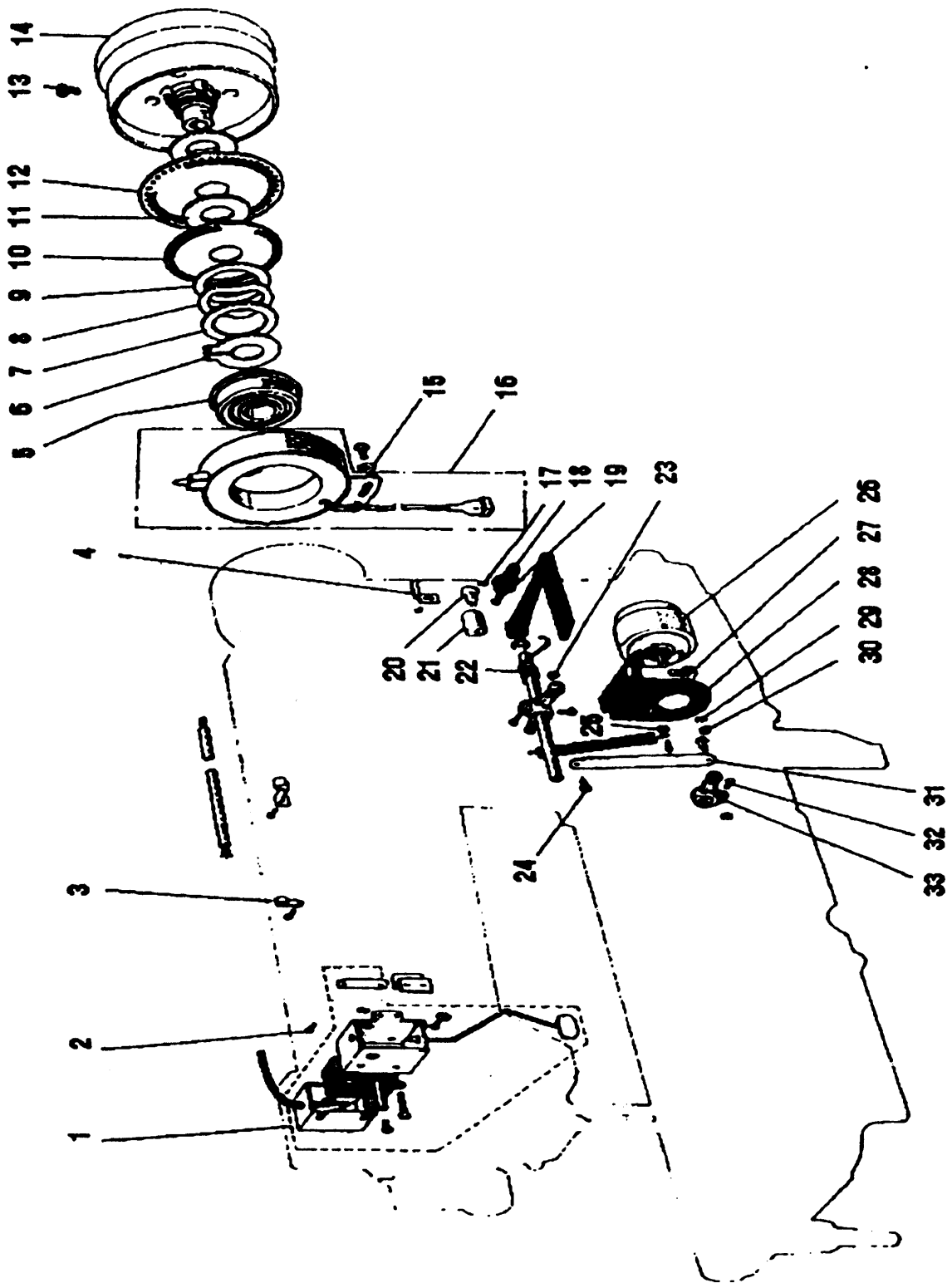
J:KNIFE MECHANISM (II)

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49J001	Screw	2	2
2	H49J002	Thread releading bracket	1	1
3	H49J003	Spring	1	1
4	H49J004	Thread releading plate	1	1
5	H49J005	Screw	1	1
6	H49J006	Screw	4	4
7	H49J007	Flexible wire complete	1	1
8	H49J008	Arm	1	1
9	H49J009	Bolt	1	1
10	H49J010	Spring	1	1
11	H49J011	Screw	1	1
12	H49J012	Roller	1	1
13	H49J013	Screw	1	1
14	H49J014	Mounting plate	1	1
15	H49J015	Nylon clip	1	1
16	H49J016	Mounting plate	1	1
17	H49J017	Nut	2	2
18	H49J018	Screw	1	1
19	H49J019	Arm		1
20	H49J020	Bolt		1
21	H49J021	Link		1
22	H49J022	Screw	1	2
23	H49J023	Pin type	1	1
24	H49J024	Thread releasing lever	1	1
25	H49J025	Spring	1	1
26	H49J026	Nut	1	1
27	H49J027	Nut	1	1
28	H49J028	Screw	2	2
29	H49J029	Bushing	1	1
30	H49J030	Vibrating crank	1	1
31	H49J031	Screw	1	1
32	H49J032	Screw	2	2
33	H49J033	Nylon cli.	1	1
34	H49J034	Screw	2	2
35	H49J035	Bushing	1	1
36	H49J036	Link		1

J:KNIFE MECHANISM (II)

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
37	H49J037	Washer		2
38	H49J038	Bolt		2
39	H49J039	Screw	2	2
40	H49J040	Ball joint (left)	1	1
41	H49J041	Nut (left)	1	1
42	H49J042	Bolt	1	1
43	H49J043	Nut (right)	1	1
44	H49J044	Shaft	1	1
45	H49J045	Shaft	1	1
46	H49J046	Screw	1	1
47	H49J047	Ball joint (right)	1	1
48	H49J048	Screw	2	2
49	H49J049	Cam	1	1
50	H49J050	Screw	2	2
51	H49J051	Cam	1	1
52	H49J052	Spring	1	1
53	H49J053	Screw	2	2
54	H49J054	Screw	1	1
55	H49J055	Screw	1	1
56	H49J056	Screw	3	3
57	H49J057	Stopper	1	1
58	H49J058	Holder	1	1
59	H49J059	Nut	2	2
60	H49J060	Mounting plate	1	1
61	H49J061	Holder	2	2
62	H49J062	Set plate	1	1
63	H49J063	Pin type	1	1
64	H49J064	Screw	1	1
65	H49J065	Screw	1	1
66	H49J066	Lever	1	1
67	H49J067	Screw	1	1
68	H49J068	Pin	1	1
69	H49J069	Arm	1	1
70	H49J070	Screw	1	1
71	H49J071	Nut	1	1
72	H49J072	Solenoid complete	1	1

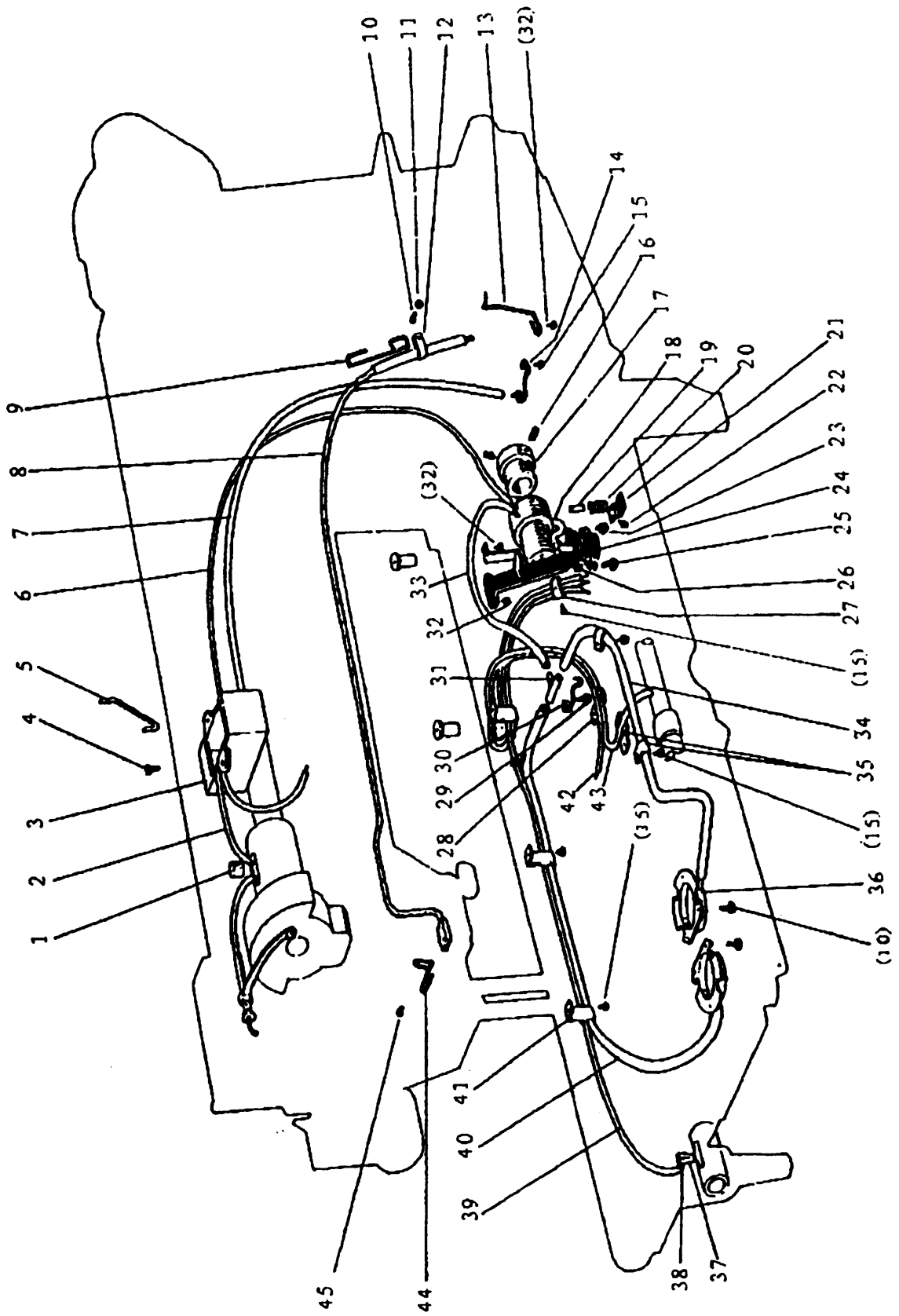
K: TOUCH BACK AND DETECTOR MECHANISM



K: TOUCH BACK AND DETECTOR MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49K001	Touth switch complete	1	1
2	H49K002	Screw	6	6
3	H49K003	Holder	1	1
4	H49K004	Holder	1	1
5	H49K005	Ball bearing	1	1
6	H49K006	Retaining ring C-type	1	1
7	H49K007	Washer	1	1
8	H49K008	Support spring	1	1
9	H49K009	Spacer B	1	1
10	H49K010	Speed command disk F20 (up)	1	1
11	H49K011	Spacer A	2	2
12	H49K012	Speed command disk F11 (down)	1	1
13	H49K013	Screw	2	2
14	H49K014	Pulley (complete)	1	1
15	H49K015	Washer	1	1
16	H49K016	Detector bracket (complete)	1	1
17	H49K017	Screw	1	1
18	H49K018	Lever	1	1
19	H49K019	Screw	1	1
20	H49K020	Screw	1	1
21	H49K021	Rubber ring	1	1
22	H49K022	Spring	1	1
23	H49K023	Nut	2	2
24	H49K024	Screw	2	2
25	H49K025	Nut	1	1
26	H49K026	Solenoid (complete)	1	1
27	H49K027	Blot	1	1
28	H49K028	Set plate	1	1
29	H49K029	Spring washer	2	2
30	H49K030	Nut	2	2
31	H49K031	Link	1	1
32	H49K032	Blot	1	1
33	H49K033	Arm	1	1

L: OIL LUBRICATION MECHANISM



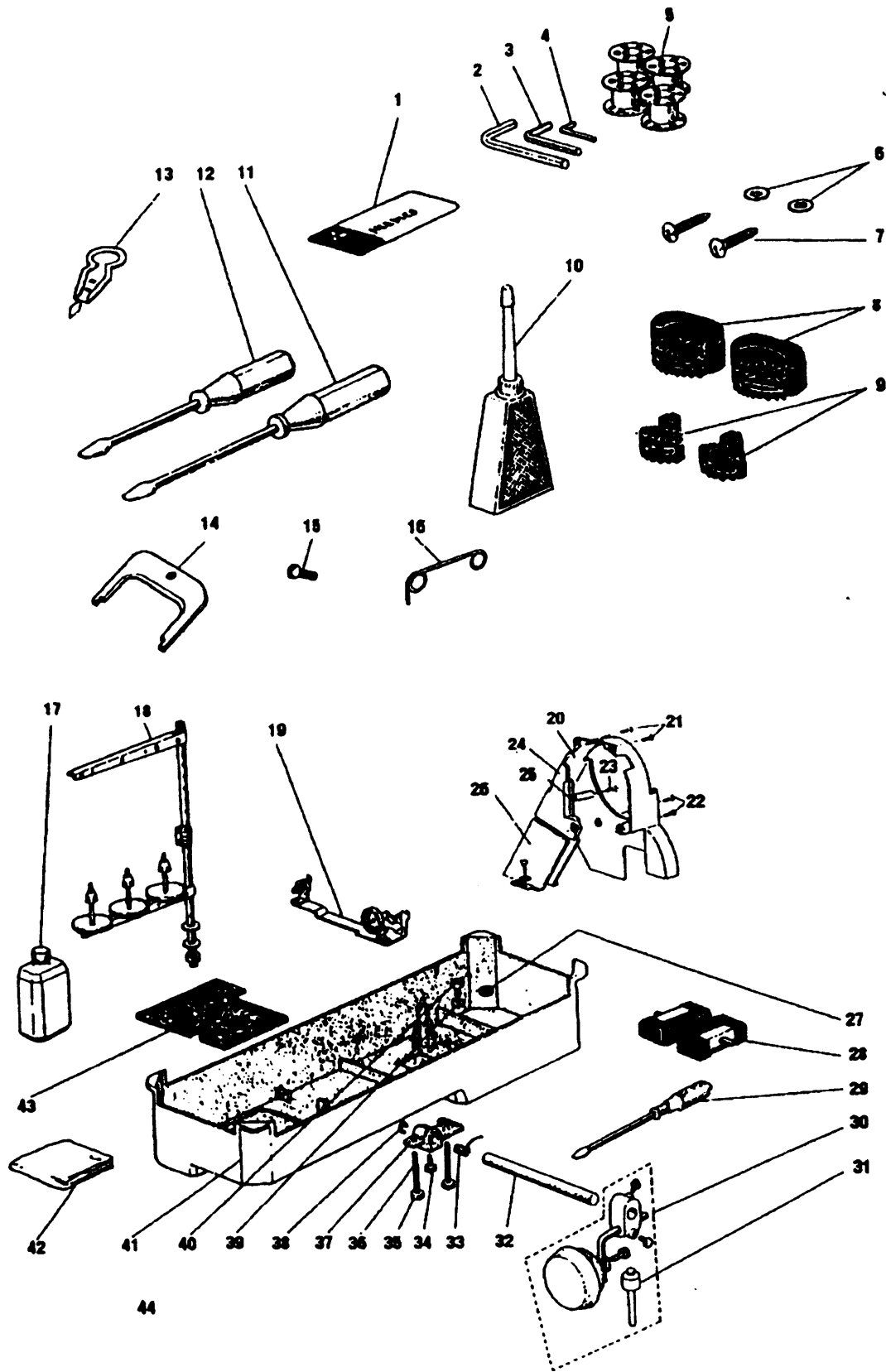
L:OIL LUBRICATION MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49L001	Felt	1	1
2	H49L002	Oil pipe complete	1	1
3	H49L003	Oil reservoir complete	1	1
4	H49L004	Screw	2	2
5	H49L005	Holder	1	1
6	H49L006	Oil pipe $\Phi 3 \times 1 \times 400$	1	1
7	H49L007	Oil pipe $\Phi 5 \times 1 \times 360$	1	1
8	H49L008	Oil reservoir complete	1	1
9	H49L009	Holder	1	1
10	H49L010	Screw	4	7
11	H49L011	Spring washer	1	1
12	H49L012	Holder	1	1
13	H49L013	Holder	1	1
14	H49L014	Holder	1	1
15	H49L015	Screw	8	8
16	H49L016	Screw	2	2
17	H49L017	Bushing	1	1
18	H49L018	Oil pipe	1	1
19	H49L019	Pin	1	1
20	H49L020	Spring	1	1
21	H49L021	Spring holder	1	1
22	H49L022	Screw	1	1
23	H49L023	Screw	1	1
24	H49L024	Filter	1	1
25	H49L025	Screw	1	1
26	H49L026	Mounting plate complete	1	1
27	H49L027	Holder	1	1
28	H49L028	Holder	1	1
29	H49L029	Screw		1
30	H49L030	Holder		1
31	H49L031	Oil pipe joint		1
32	H49L032	Screw	4	4
33	H49L033	Oil pipe $\Phi 3 \times 1 \times 90$		1
33	H49L034	Oil pipe $\Phi 3 \times 1 \times 370$	1	
34	H49L035	Oil pipe $\Phi 3 \times 1 \times 300$		1
35	H49L036	Holder	3	3

L:OIL LUBRICATION MECHANISM

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
36	H49L037	Oil reservoir complete	1	2
37	H49L038	Oil wick $\Phi 2.5 \times 35$	2	3
38	H49L039	Oil wick	1	1
39	H49L040	Oil pipe	1	1
40	H49L041	Oil pipe $\Phi 3 \times 1 \times 445$	1	1
41	H49L042	Holder	2	2
42	H49L043	Oil wick	1	1
43	H49L044	Oil wick	1	1
44	H49L045	Holder	1	1
45	H49L046	Screw	1	1

M: ACCESSORIES



M: ACCESSORIES

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
1	H49M001	Needle DPx17-23	3	6
2	H49M002	Socket wrench	1	1
3	H49M003	Socket wrench	1	1
4	H49M004	Socket wrench	1	1
5	H49M005	Bobbin	4	4
6	H49M006	Washer	2	2
7	H49M007	Screw	4	4
8	H49M008	Vibration preventing rubber	2	2
9	H49M009	Vibration preventing rubber	2	2
10	H49M010	Oiler	1	1
11	H49M011	Screw driver (middle)	1	1
12	H49M012	Screw driver (small)	1	1
13	H49M013	Thread a needle kit	1	1
14	H49M014	Adjusting plate for speed comman	1	1
15	H49M015	Screw	1	1
16	H49M016	Thread guide	1	1
17	H49M017	Oil can	1	1
18	H49M018	Cotton stand	1	1
19	H49M019	Bobbin winder	1	1
20	H49M020	Belt cover	1	1
21	H49M021	Screw	2	2
22	H49M022	Screw	2	2
23	H49M023	Screw	1	1
24	H49M024	Belt cover complete	1	1
25	H49M025	Nut	1	1
26	H49M026	Belt cover	1	1
27	H49M027	Magnet block for reservoir	1	1
28	H49M028	Hinge complete	2	2
29	H49M029	Screw driver (large)	1	1
30	H49M030	Small parts	1	1
31	H49M031	Knee lifter pin	1	1
32	H49M032	Knee lift shaft	1	1
33	H49M033	Spring	1	1
34	H49M034	Bolt	1	1
35	H49M035	Nut	2	2
36	H49M036	Screw	2	2

M: ACCESSORIES

No.	Ref.No.	Description	WF 925 AUT	WF 926 AUT
37	H49M037	Knee lifter crank	1	1
38	H49M038	E-type stop ring	1	1
39	H49M039	Washer	1	1
40	H49M040	Screw	1	1
41	H49M041	Oil reservoir	1	1
42	H49M042	Vinyl cover	1	1
43	H49M043	Felt	1	1