



GLOBAL

WF 904

Instruction & Parts manual

www.globalsew.com

info@globalsew.com

INSTRUCTION MANUAL

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1. PRECAUTIONS FOR USER

(1) Precautions for Safety

- ① When turning the power on, keep your hands and fingers away from the area around/under the needle and area around the pulley.
- ② The 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 installing or remove the “V” belt, adjusting the machine, or when replacing
- ④ Avoid placing fingers, hairs, bars etc. near the pulley, the “V” belt and the motor when the machine is in operation.
- ⑤ Do not put fingers under/around the needle or the pulley when the machine is in operation.

(2) Precautions before Operation

- ① Never operate the machine before it is lubricated fully.
- ② 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)
- ③ Verify the voltage and phase (single or three) with those given on the motor nameplate.

(3) Precautions for Operating Conditions

- ① Avoid using the machine at abnormally high temperature (35°C or higher) or low temperature (5°C or lower).
- ② Avoid using the machine in dusty conditions.
- ③ Avoid using the machine in areas where there are too much electrical noise which resulted from the high-frequency weld and others.

2. SPECIFICATION

| | | |
|----------------------------------|--------------|----|
| Max. sewing speed (r.p.m) | 800 r.p.m | |
| Needle No. | DY×3 26# | |
| Needle bar stroke (mm) | 56 | |
| Thread take-up lever stroke (mm) | 96 | |
| Stitch length (mm) | 0-11 | |
| Presser-foot stroke | By hand (mm) | 13 |
| | By knee (mm) | 20 |

3. PREPARATION FOR OPERATION

(1) Clean the machine

Before leaving the factory, the machine parts are coated with rust-preventive grease, which may be hardened and contaminated by dust during storage and shipment. This grease must be removed with gasoline.

(2) Examination

Though every machine is confirmed by strict inspection and test before leaving the factory, the machine parts may be loose or deformed after long distance transportation with jolt. A thorough examination must be performed after cleaning the machine. Turn the pulley to see if there is running obstruction, parts collision, uneven resistance or abnormal noise. If these exist, adjustment must be made accordingly before run-in operation

(3) Lubrication (Fig.1)

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 below figure.

CAUTION: Please use white spindle oil.

Always keep the presser lifted before attempting a dry run.

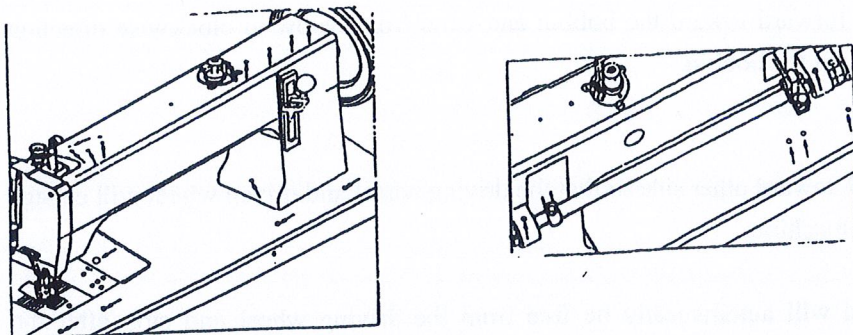


Fig.1

(4) Testing

In order to get the best working situation, run the sewing machine in a low speed for about 1 month after lubricated fully. Then increase the speed to the need one.

4. HOW TO ATTACH A NEEDLE (Fig.2)

CAUTION: Before using the following procedures, be sure to turn the power switch off.

The needle used by this sewing machine is DY×3 26#. During operation, proper needle can be chosen according to the sewing thread. (The sewing thread should be able to pass the pinhole.)

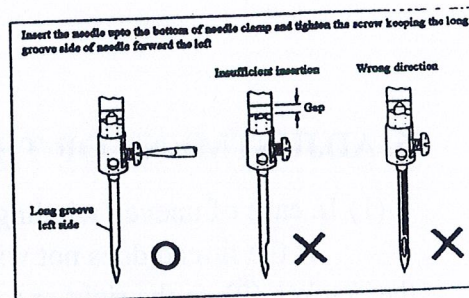


Fig.2

5..WINDING OF BOBBIN THREAD (Fig.3)

- (1) Push the bobbin ③ on the bobbin winder shaft as far as it will go.
- (2) Bring the thread forward toward the bobbin and wind from below in clockwise direction several times around the bobbin.
- (3) Push the level ⑤ toward other side so that the driving wheel and driven wheel will engage and then start the machine.
- (4) The driven wheel will automatically be free from the driving wheel and stop after the bobbin is filled with thread.

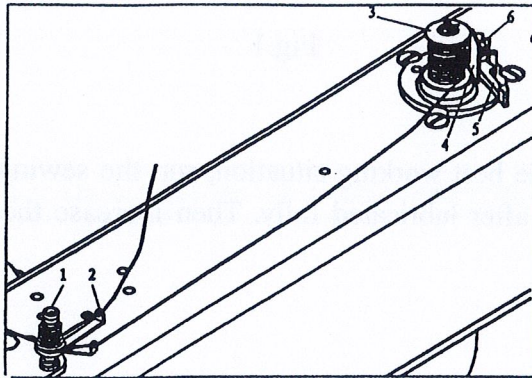


Fig.3

6. ADJUSTMENT OF THE BOBBIN WINDER (Fig.3)

- (1) In case of uneven winding
If the thread does not wind evenly on the bobbin, loosen the nut ① and move the bracket ② to the right or to the left as may be required, then tighten the nut.
- (2) Winding amount if thread
Adjusting ⑥ can increase or decrease the amount of thread wound on the bobbin.

(3) Winding strength

Strength of the winding can be adjusted with the nut ①.

7. THREADING (Fig.4)

Raise the needle bar to its highest position and route the upper thread in the order illustrated below.

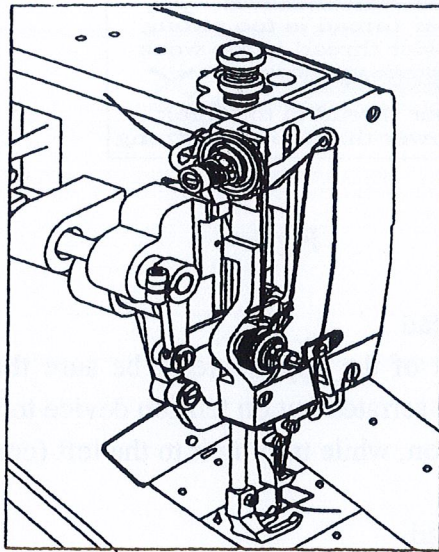


Fig.4

8. REMOVING AND INSERTING THE BOBBIN

- (1) Removing: Open the shuttle race cap and the bobbin holder, then take out the bobbin.
- (2) Installation: Put the bobbin in the rotary hook case, Permit about 5cm of bobbin thread to hang down freely. Install the bobbin in the bobbin case so that the thread wound direction is clockwise. Then close the rotary hook and the shuttle race cap.

9. ADJUSTMENT THE THREAD TENSION (Fig.5)

For ordinary stitching, the tension of the upper and the lower threads should be equal.

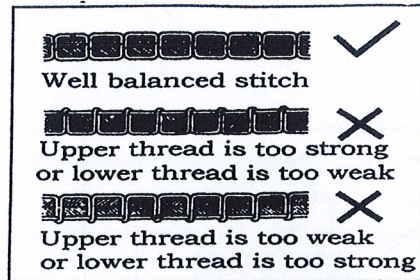


Fig.5

(1) Tension of the Upper thread

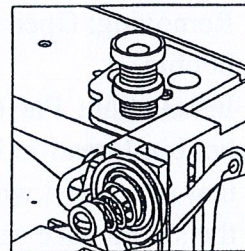
Before adjusting the tension of the upper thread, be sure that presser foot is let down. To adjust tension, turn serrated nut on tension device to the right (clockwise) will increase the thread tension, while turning it to the left (counter-clockwise) will decrease the tension.

(2) Tension of the lower thread

The lower thread tension is controlled by the larger screw near the end of the spring at the outside of the bobbin case. Turning this screw to the right (clockwise) will increase the thread tension, while turning it to the left (counter-clockwise) will decrease the tension.

10. ADJUSTMENT OF PRESSER PRESSURE (Fig.6)

- (1) Pressure should be adjusted according to the material to be sewn.
- (2) Pressure on both the walking foot and the presser foot can be adjusted. (The adjusting screw has been set before shipment.)
- (3) Sewing pressure should be adjusted to the minimum required strength.



11 ADJUSTMENT OF WALKING FOOT AND PRESSER FOOT

(Fig.7)

- (1). The alternating movement on the walking foot and presser foot can be adjusted by changing the position relations of the parts of the presser foot lifting mechanism.
- (2) Changing the position relation of the connecting link 2 and the crank 3 can complete the adjustment.
- (3) Adjustment should be changed according to the thickness of the material to be sewn.

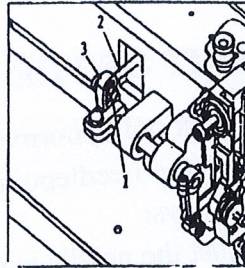


Fig.7

12. ADJUSTMENT OF STITCH LENGTH AND

FORWARD/BACKWARD SEWING (Fig.8)

- (1) Adjusting the stitch length adjusting bolt can change the stitch length.
- (2) Stitch length can be adjusted between 0-11 mm.
- (4) Setting the stitch length adjusting bolt above "0" can backstitch.

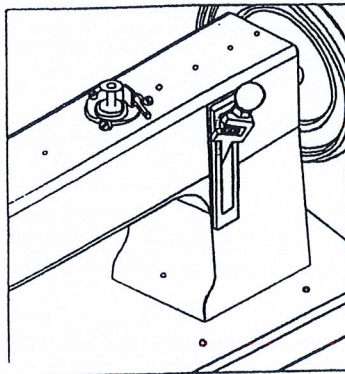


Fig.8

13. FEED DOG HEIGHT (Fig.9)

The feed dog should be 1.5 mm higher than the vertex of the needle plate. Adjustment of the feed dog height can be done as follows:

- (1) Turn the machine pulley so as to raise the feed dog to its highest point.
- (2) Loosen the screw of the feed dog and adjust the height by raising or lowering it. Then tighten the screw.

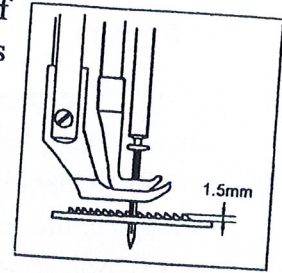


Fig.9

14. ADJUSTING THE HEIGHT OF THE NEEDLE BAR (Fig.10)

When the needle bar is at its highest point, normally the measurement between the highest point of the needle plate and the needlepoint is 28 mm. When this distance need to be adjusted, the steps is as follows:

- (1) Take down the face plate, adjust the needle bar to its highest position.
- (2) Loosen the screw of needle bar connecting stud screw.
- (3) Adjust the needle bar to the right position.
- (4) Tighten the screw.

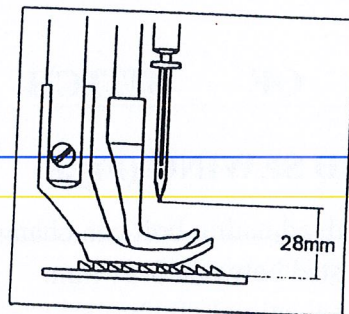
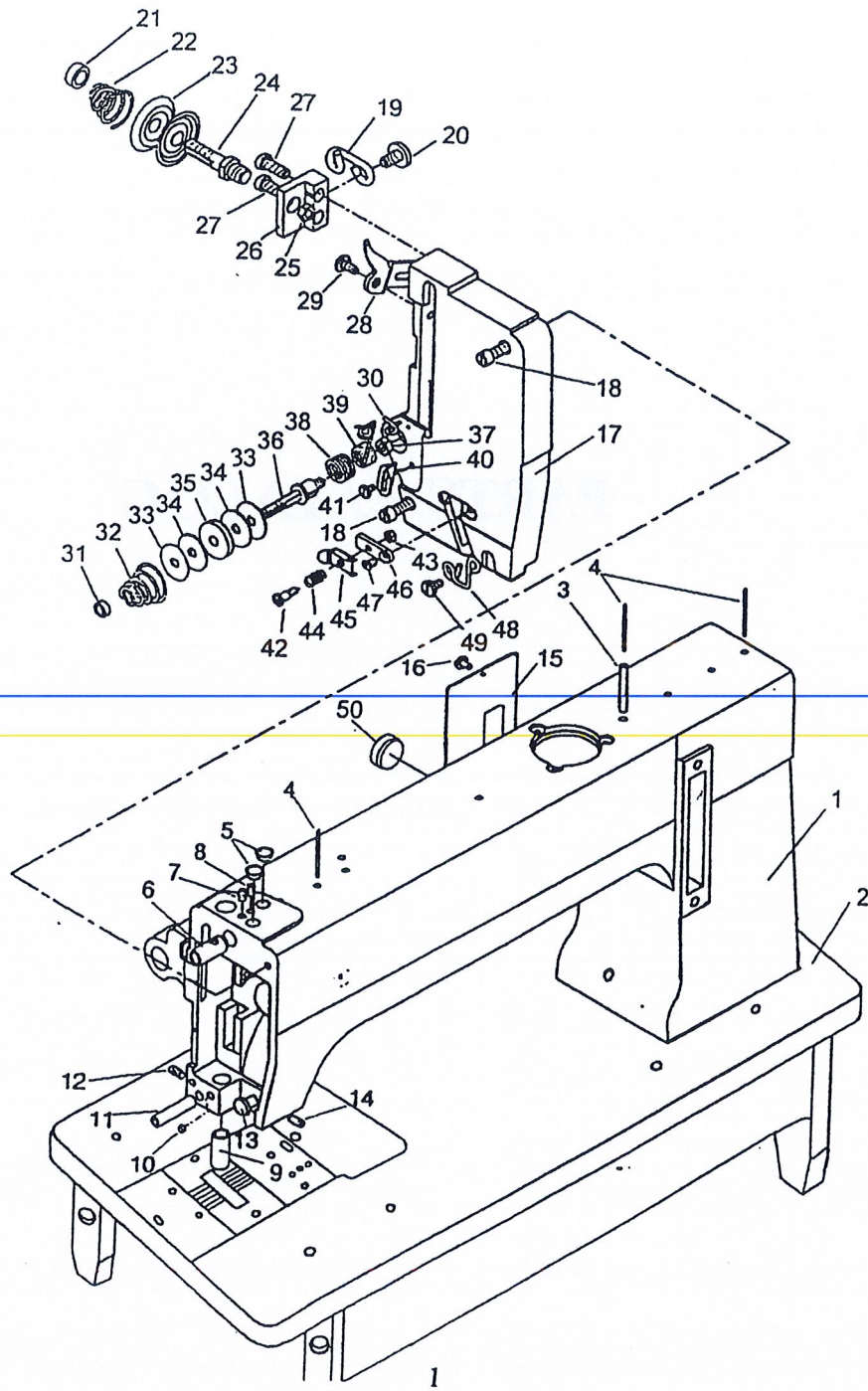


Fig.10

PARTS CATALOG

A: BODY AND ITS ACCESSORIES

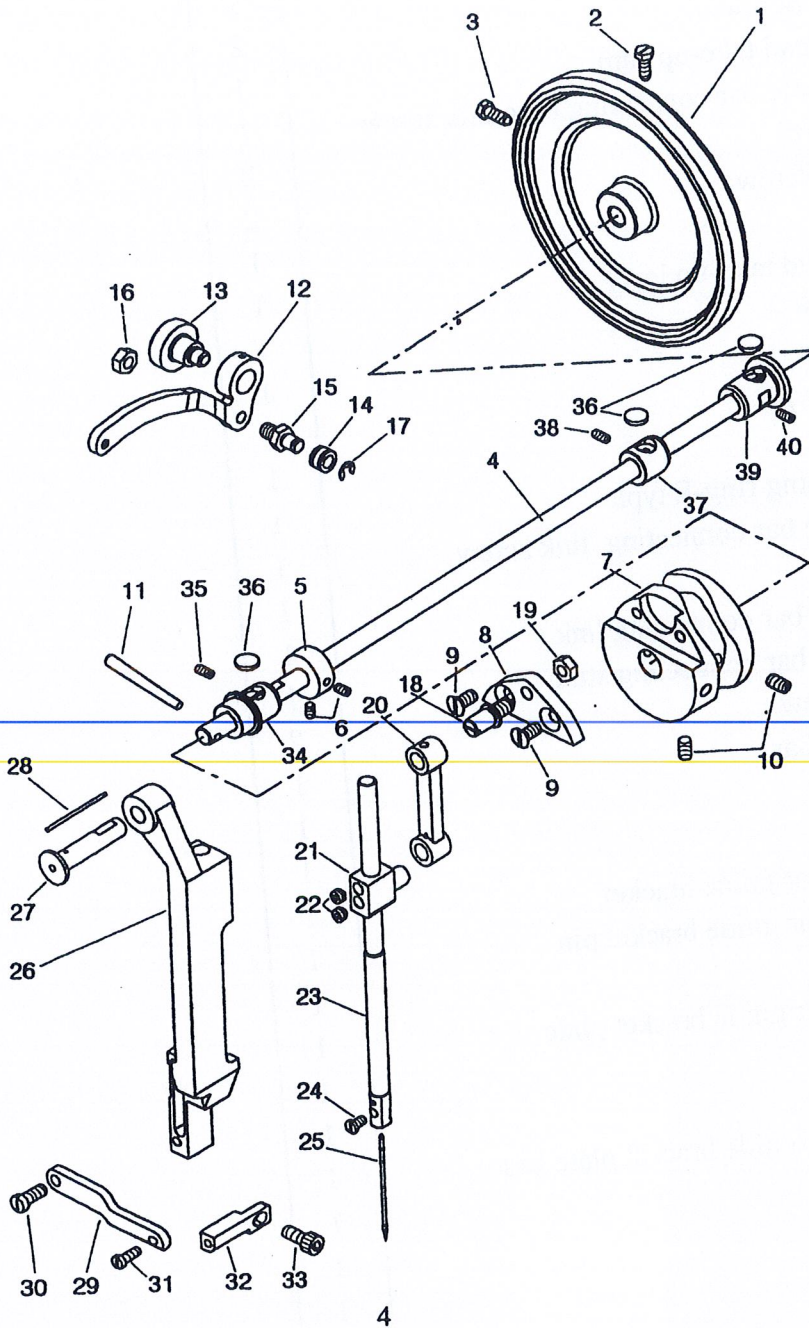


A: BODY AND ITS ACCESSORIES

| No. | Ref. No. | Description | Pcs. |
|-----|----------|--|------|
| A1 | H9601001 | Arm | 1 |
| A2 | H9601002 | Bed | 1 |
| A3 | H9601003 | Oil pipe | 1 |
| A4 | H9601004 | Oil wick | 3 |
| A5 | H9601005 | Rubber plug | 2 |
| A6 | H9601006 | Needle bar guide bracket stud bushing | 1 |
| A7 | H9601007 | Set Screw | 1 |
| A8 | H9601008 | Set Screw | 1 |
| A9 | H9601009 | Presser bar bushing | 1 |
| A10 | H9601010 | Set Screw | 1 |
| A11 | H9601011 | Pin | 1 |
| A12 | H9601012 | Set Screw | 1 |
| A13 | H9601013 | Mandril of needle bar guide bracket | 1 |
| A14 | H9601014 | Set Screw | 1 |
| A15 | H9601015 | Arm side cover | 1 |
| A16 | H9601016 | Screw | 1 |
| A17 | H9601017 | Face plate | 1 |
| A18 | H9601018 | Screw | 2 |
| A19 | H9601019 | Thread guide | 1 |
| A20 | H9601020 | Screw | 1 |
| A21 | H9601021 | Nut | 1 |
| A22 | H9601022 | Tension spring | 1 |
| A23 | H9601023 | Tension disc | 2 |
| A24 | H9601024 | Tension screw stud | 1 |
| A25 | H9601025 | Tension nut | 1 |
| A26 | H9601026 | Thread tension regulator complete base | 1 |
| A27 | H9601027 | Screw | 2 |
| A28 | H9601028 | Tension releasing disc | 1 |
| A29 | H9601029 | Screw | 1 |
| A30 | H9601030 | Thread guide | 1 |
| A31 | H9601031 | Tension nut | 1 |
| A32 | H9601032 | Tension spring | 1 |
| A33 | H9601033 | Washer | 2 |
| A34 | H9601034 | Felt | 2 |
| A35 | H9601035 | Damping plate | 1 |
| A36 | H9601036 | Tension screw stud | 1 |
| A37 | H9601037 | Nut | 1 |
| A38 | H9601038 | Thread take-up spring | 1 |
| A39 | H9601039 | Spring | 1 |
| A40 | H9601040 | Thread take-up spring guide plate | 1 |
| A41 | H9601041 | Screw | 1 |

| | | | |
|-----|----------|--|---|
| A42 | H9601042 | Screw | 1 |
| A43 | H9601043 | Nut | 1 |
| A44 | H9601044 | Tension spring | 1 |
| A45 | H9601045 | Tension disc | 1 |
| A46 | H9601046 | Thread tension regulator complete base | 1 |
| A47 | H9601047 | Screw | 1 |
| A48 | H9601048 | Thread guide | 1 |
| A49 | H9601049 | Screw | 1 |
| A50 | H9601050 | Rubber plug | 1 |

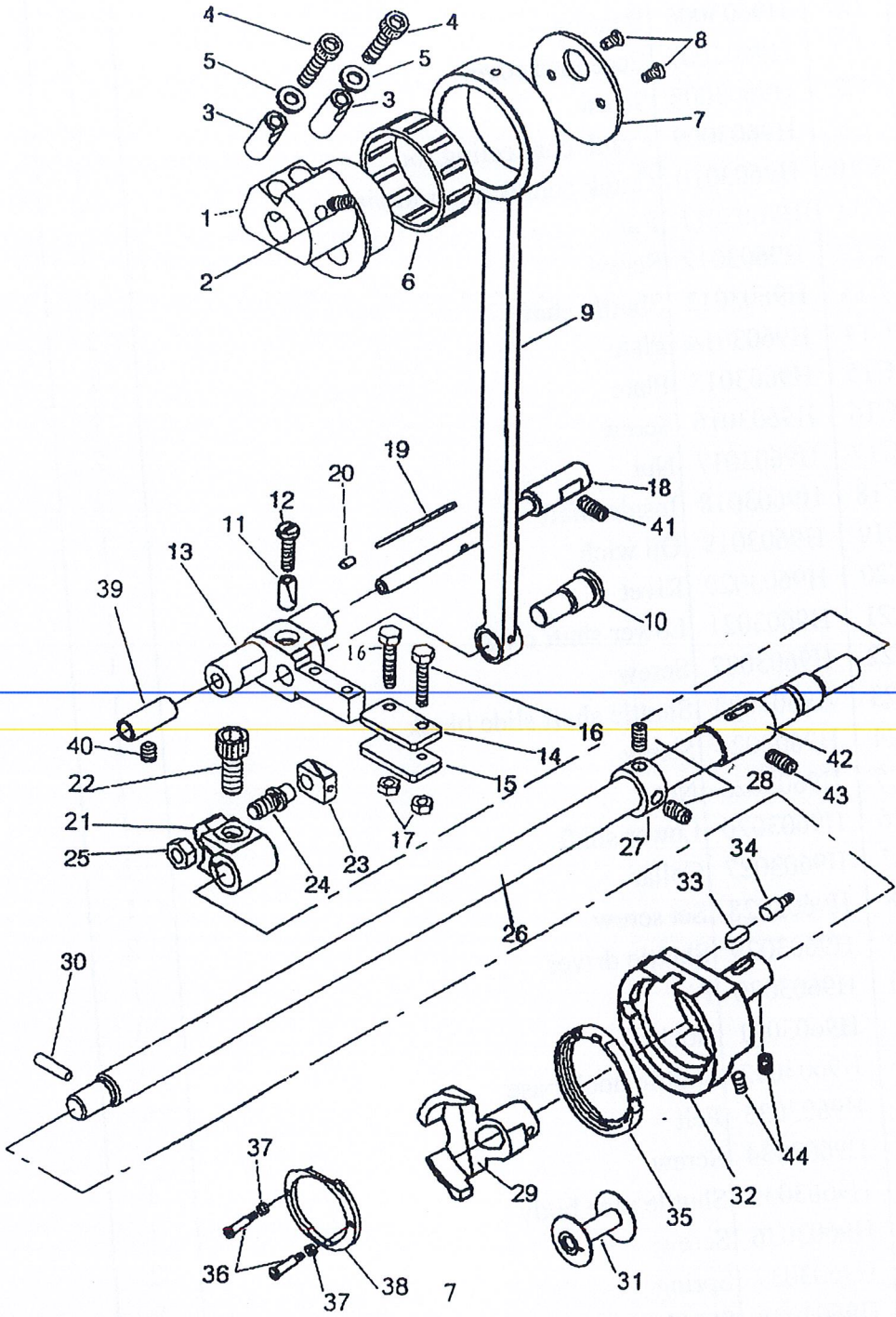
B: NEEDLE BAR AND THREAD TAKE-UP MECHANISM



B: NEEDLE BAR AND THREAD TAKE-UP MECHANISM

| No. | Ref. No. | Description | Pcs. |
|-----|----------|---------------------------------------|------|
| B1 | H9602001 | Pulley | 1 |
| B2 | H9602002 | Screw | 1 |
| B3 | H9602003 | Screw | 1 |
| B4 | H9602004 | Arm shaft | 1 |
| B5 | H9602005 | Collar | 1 |
| B6 | H9602006 | Set Screw | 1 |
| B7 | H9602007 | Thread take-up cam | 2 |
| B8 | H9602008 | Needle bar connecting base link screw | 1 |
| B9 | H9602009 | Screw | 1 |
| B10 | H9602010 | Set Screw | 2 |
| B11 | H9602011 | Pin | 2 |
| B12 | H9602012 | Thread take-up lever | 1 |
| B13 | H9602013 | Screw | 1 |
| B14 | H9602014 | Roller | 1 |
| B15 | H9602015 | Roller pin | 1 |
| B16 | H9602016 | Nut | 1 |
| B17 | H9602017 | Retaining ring-E type | 1 |
| B18 | H9602018 | Needle bar connecting link screw | 1 |
| B19 | H9602019 | Nut | 1 |
| B20 | H9602020 | Needle bar connecting link | 1 |
| B21 | H9602021 | Needle bar connecting stud | 1 |
| B22 | H9602022 | Set Screw | 1 |
| B23 | H9602023 | Needle bar | 2 |
| B24 | H9602024 | Screw | 1 |
| B25 | H9602025 | Needle | 1 |
| B26 | H9602026 | Needle bar guide bracket | 1 |
| B27 | H9602027 | Needle bar guide bracket pin | 1 |
| B28 | H9602028 | Oil wick | 1 |
| B29 | H9602029 | Needle bar guide bracket plate | 1 |
| B30 | H9602030 | Screw | 1 |
| B31 | H9602031 | Screw | 1 |
| B32 | H9602032 | Needle bar guide bracket plate base | 1 |
| B33 | H9602033 | Screw | 1 |
| B34 | H9602034 | Bushing | 1 |
| B35 | H9602035 | Set Screw | 1 |
| B36 | H9602036 | Felt | 1 |
| B37 | H9602037 | Bushing | 3 |
| B38 | H9602038 | Set Screw | 1 |
| B39 | H9602039 | Bushing | 1 |
| B40 | H9602040 | Set Screw | 1 |

C: LOWER SHAFT MECHANISM

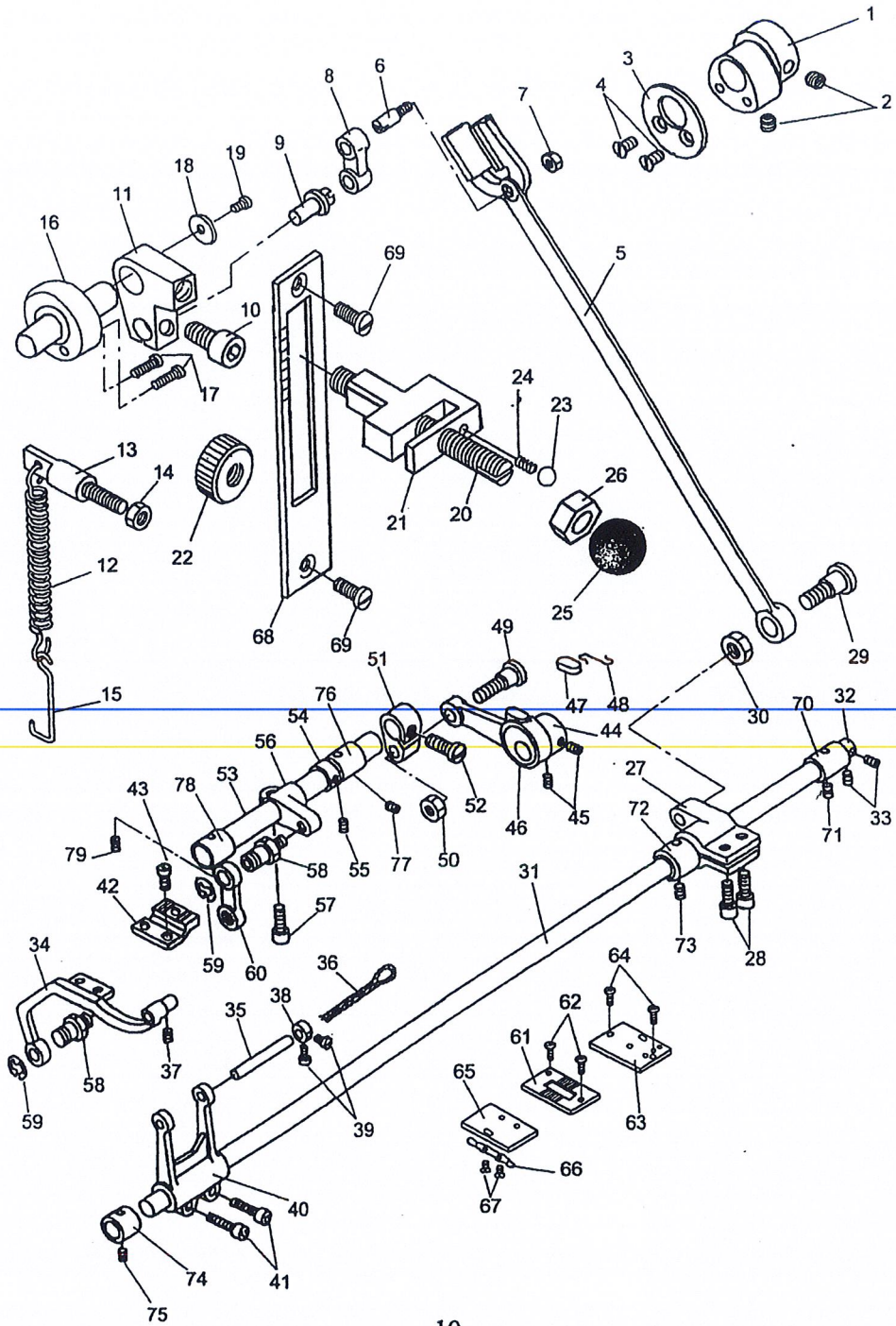


C: LOWER SHAFT MECHANISM

| No. | Ref. No. | Description | Pcs. |
|-----|----------|---------------------------|------|
| C1 | H9603001 | Eccentric | 1 |
| C2 | H9603002 | Set screw | 1 |
| C3 | H9603003 | Pin | 1 |
| C4 | H9603004 | Screw | 2 |
| C5 | H9603005 | Washer | 2 |
| C6 | H9603006 | Bearing | 2 |
| C7 | H9603007 | Eccentric cover | 1 |
| C8 | H9603008 | Screw | 1 |
| C9 | H9603009 | Crank connecting rod | 2 |
| C10 | H9603010 | Crank connecting rod pin | 1 |
| C11 | H9603011 | Pin | 1 |
| C12 | H9603012 | Screw | 1 |
| C13 | H9603013 | Shuttle shaft | 1 |
| C14 | H9603014 | Plate | 1 |
| C15 | H9603015 | Plate | 1 |
| C16 | H9603016 | Screw | 1 |
| C17 | H9603017 | Nut | 2 |
| C18 | H9603018 | Inside shaft | 2 |
| C19 | H9603019 | Oil wick | 1 |
| C20 | H9603020 | Rivet | 1 |
| C21 | H9603021 | Lower shaft crank | 1 |
| C22 | H9603022 | Screw | 1 |
| C23 | H9603023 | Shuttle shaft slide block | 1 |
| C24 | H9603024 | Screw | 1 |
| C25 | H9603025 | Nut | 1 |
| C26 | H9603026 | Lower shaft | 1 |
| C27 | H9603027 | Collar | 1 |
| C28 | H9603028 | Set screw | 1 |
| C29 | H9603029 | Shuttle driver | 2 |
| C30 | H9603030 | Pin | 1 |
| C31 | H9603031 | Bobbin | 1 |
| C32 | H9603032 | Shuttle hook base | 1 |
| C33 | H9603033 | Felt | 1 |
| C34 | H9603034 | Screw | 1 |
| C35 | H9603035 | Shuttle race body | 1 |
| C36 | H9603036 | Screw | 1 |
| C37 | H9603037 | Spring | 2 |
| C38 | H9603038 | Shuttle race cap | 2 |
| C39 | H9603039 | Bushing | 1 |
| C40 | H9603040 | Set screw | 1 |
| C41 | H9603041 | Set screw | 1 |

| | | | |
|-----|----------|-----------|---|
| C42 | H9603042 | Bushing | 1 |
| C43 | H9603043 | Set screw | 1 |
| C44 | H9603044 | Set screw | 2 |

D: FEEDING MECHANISM

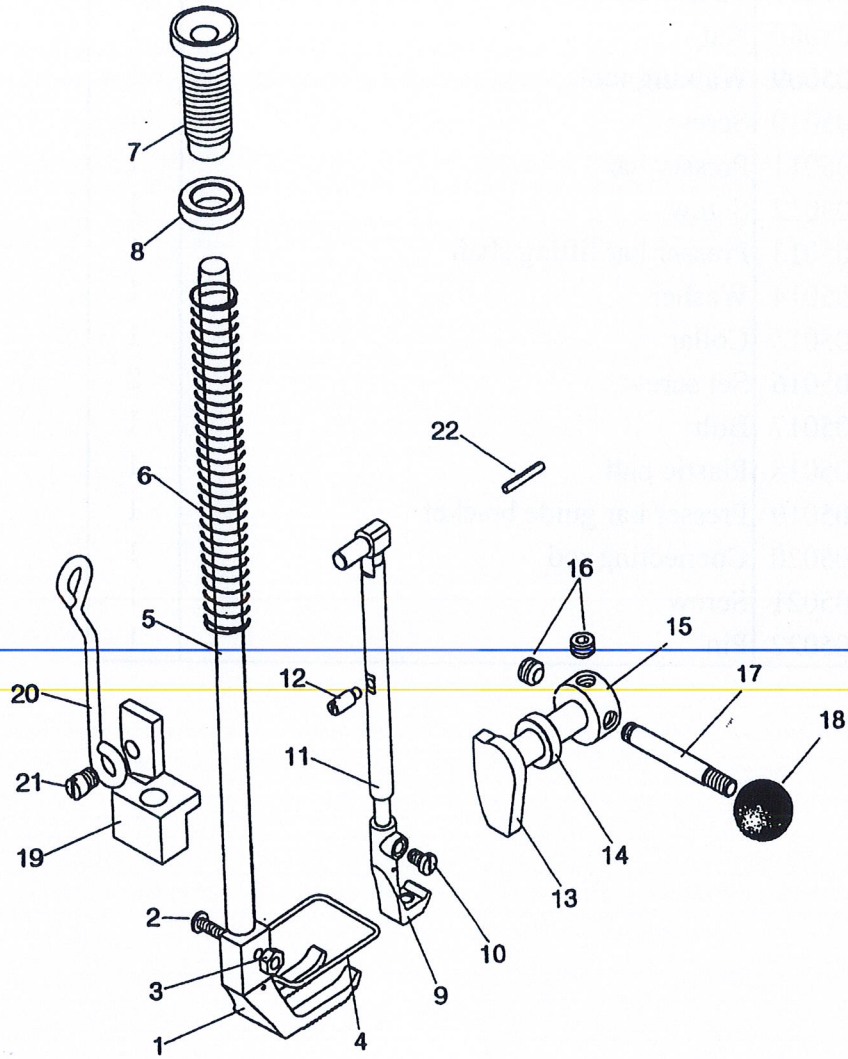


D: FEEDING MECHANISM

| No. | Ref. No. | Description | Pcs. |
|-----|----------|---|------|
| D1 | H9604001 | Feed cam | 1 |
| D2 | H9604002 | Set screw | 2 |
| D3 | H9604003 | Feed cam cover | 1 |
| D4 | H9604004 | Screw | 2 |
| D5 | H9604005 | Feed forked connection | 1 |
| D6 | H9604006 | Feed forked connection crank pin | 1 |
| D7 | H9604007 | Nut | 1 |
| D8 | H9604008 | Stitch length connecting link | 1 |
| D9 | H9604009 | Stitch length connecting link crank pin | 1 |
| D10 | H9604010 | Screw | 1 |
| D11 | H9604011 | Stitch length adjusting pin | 1 |
| D12 | H9604012 | Spring | 1 |
| D13 | H9604013 | Screw bar | 1 |
| D14 | H9604014 | Nut | 1 |
| D15 | H9604015 | Hook | 1 |
| D16 | H9604016 | Damping plate | 1 |
| D17 | H9604017 | Screw | 2 |
| D18 | H9604018 | Spacer | 1 |
| D19 | H9604019 | Screw | 1 |
| D20 | H9604020 | Stitch length adjusting bolt | 1 |
| D21 | H9604021 | Stitch length limited plate | 1 |
| D22 | H9604022 | Nut | 1 |
| D23 | H9604023 | Metal ball | 1 |
| D24 | H9604024 | Spring | 1 |
| D25 | H9604025 | Plastic ball | 1 |
| D26 | H9604026 | Nut | 1 |
| D27 | H9604027 | Feed driving rock shaft crank | 1 |
| D28 | H9604028 | Screw | 2 |
| D29 | H9604029 | Screw | 1 |
| D30 | H9604030 | Nut | 1 |
| D31 | H9604031 | Collar | 1 |
| D32 | H9604032 | Set screw | 1 |
| D33 | H9604033 | Crank pin | 2 |
| D34 | H9604034 | Feed dog base | 1 |
| D35 | H9604035 | Crank shaft | 1 |
| D36 | H9604036 | Oil wick | 1 |
| D37 | H9604037 | Screw | 1 |
| D38 | H9604038 | Collar | 1 |
| D39 | H9604039 | Screw | 2 |
| D40 | H9604040 | Crank | 1 |
| D41 | H9604041 | Screw | 2 |

| | | | |
|-----|----------|--------------------------------|---|
| D42 | H9604042 | Feed dog | |
| D43 | H9604043 | Screw | 1 |
| D44 | H9604044 | Feed lifting eccentric | 2 |
| D45 | H9604045 | Screw | 1 |
| D46 | H9604046 | Feed lifting connection | 2 |
| D47 | H9604047 | Felt | 1 |
| D48 | H9604048 | Spring | 1 |
| D49 | H9604049 | Screw | 1 |
| D50 | H9604050 | Nut | 1 |
| D51 | H9604051 | Crank | 1 |
| D52 | H9604052 | Screw | 1 |
| D53 | H9604053 | Feed lifting shaft | 1 |
| D54 | H9604054 | Collar | 1 |
| D55 | H9604055 | Screw | 1 |
| D56 | H9604056 | Crank | 2 |
| D57 | H9604057 | Screw | 1 |
| D58 | H9604058 | Hinge bar | 1 |
| D59 | H9604059 | Washer | 2 |
| D60 | H9604060 | Link | 2 |
| D61 | H9604061 | Needle plate | 1 |
| D62 | H9604062 | Screw | 1 |
| D63 | H9604063 | Fitting plate | 2 |
| D64 | H9604064 | Screw | 1 |
| D65 | H9604065 | Slide plate | 2 |
| D66 | H9604066 | Spring | 1 |
| D67 | H9604067 | Screw | 1 |
| D68 | H9604068 | Stitch length indicating plate | 2 |
| D69 | H9604069 | Screw | 1 |
| D70 | H9604070 | Bushing | 2 |
| D71 | H9604071 | Set screw | 1 |
| D72 | H9604072 | Bushing | 1 |
| D73 | H9604073 | Set screw | 1 |
| D74 | H9604074 | Bushing | 1 |
| D75 | H9604075 | Set screw | 1 |
| D76 | H9604076 | Bushing | 1 |
| D77 | H9604077 | Set screw | 1 |
| D78 | H9604078 | Bushing | 1 |
| D79 | H9604079 | Set screw | 1 |

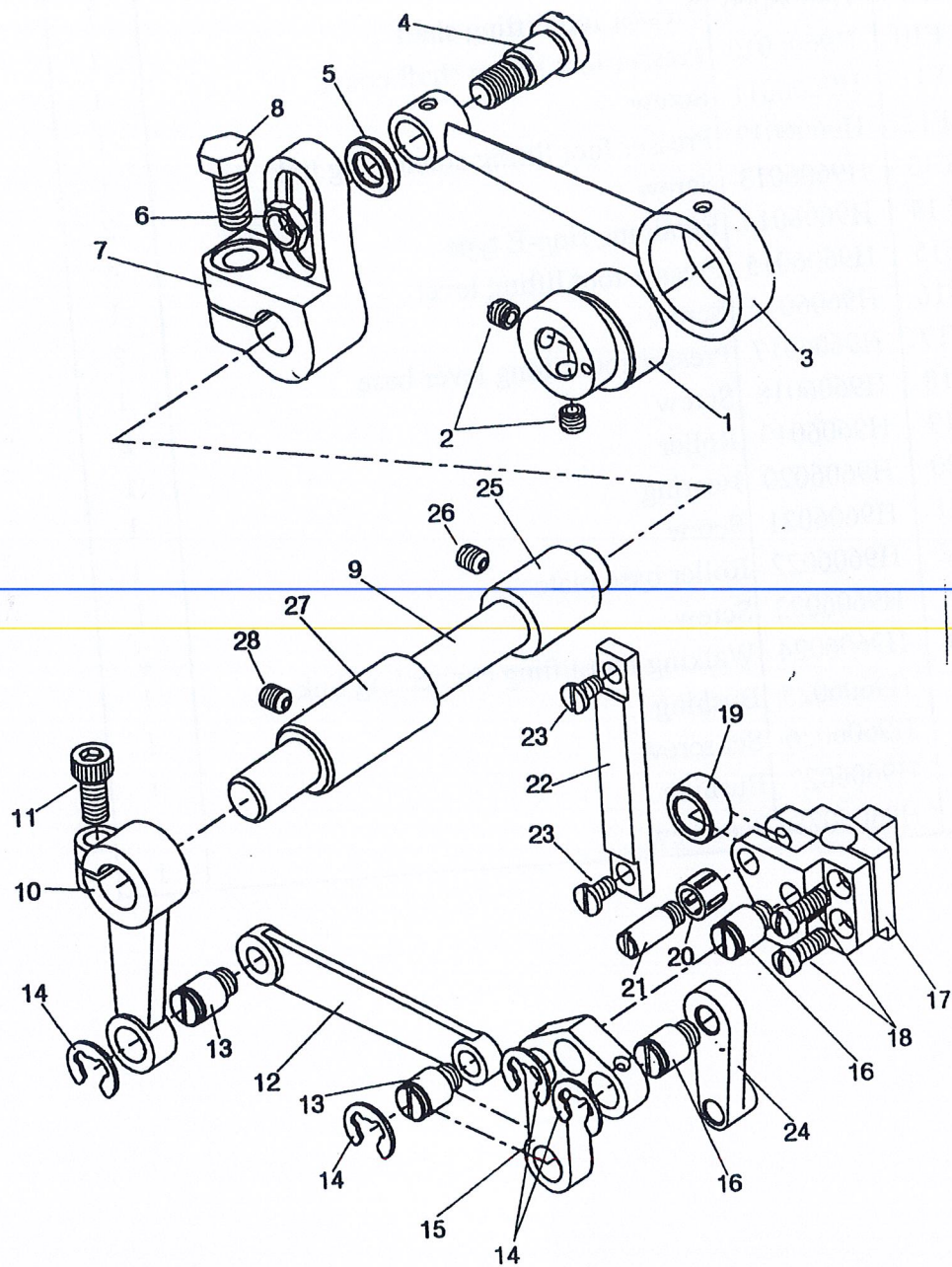
E: PRESSER FOOT MECHANISM



E: PRESSER FOOT MECHANISM

| No. | Ref. No. | Description | Pcs. |
|-----|----------|---------------------------|------|
| E1 | H9605001 | Presser foot | 1 |
| E2 | H9605002 | Screw | 1 |
| E3 | H9605003 | Nut | 1 |
| E4 | H9605004 | Finger guard | 1 |
| E5 | H9605005 | Presser bar | 1 |
| E6 | H9605006 | Presser bar spring | 1 |
| E7 | H9605007 | Thumb screw | 1 |
| E8 | H9605008 | Nut | 1 |
| E9 | H9605009 | Walking foot | 1 |
| E10 | H9605010 | Screw | 1 |
| E11 | H9605011 | Presser bar | 1 |
| E12 | H9605012 | Screw | 1 |
| E13 | H9605013 | Presser bar lifting shaft | 1 |
| E14 | H9605014 | Washer | 1 |
| E15 | H9605015 | Collar | 1 |
| E16 | H9605016 | Set screw | 2 |
| E17 | H9605017 | Bolt | 1 |
| E18 | H9605018 | Plastic ball | 1 |
| E19 | H9605019 | Presser bar guide bracket | 1 |
| E20 | H9605020 | Connecting rod | 1 |
| E21 | H9605021 | Screw | 1 |
| E22 | H9605022 | Pin | 1 |

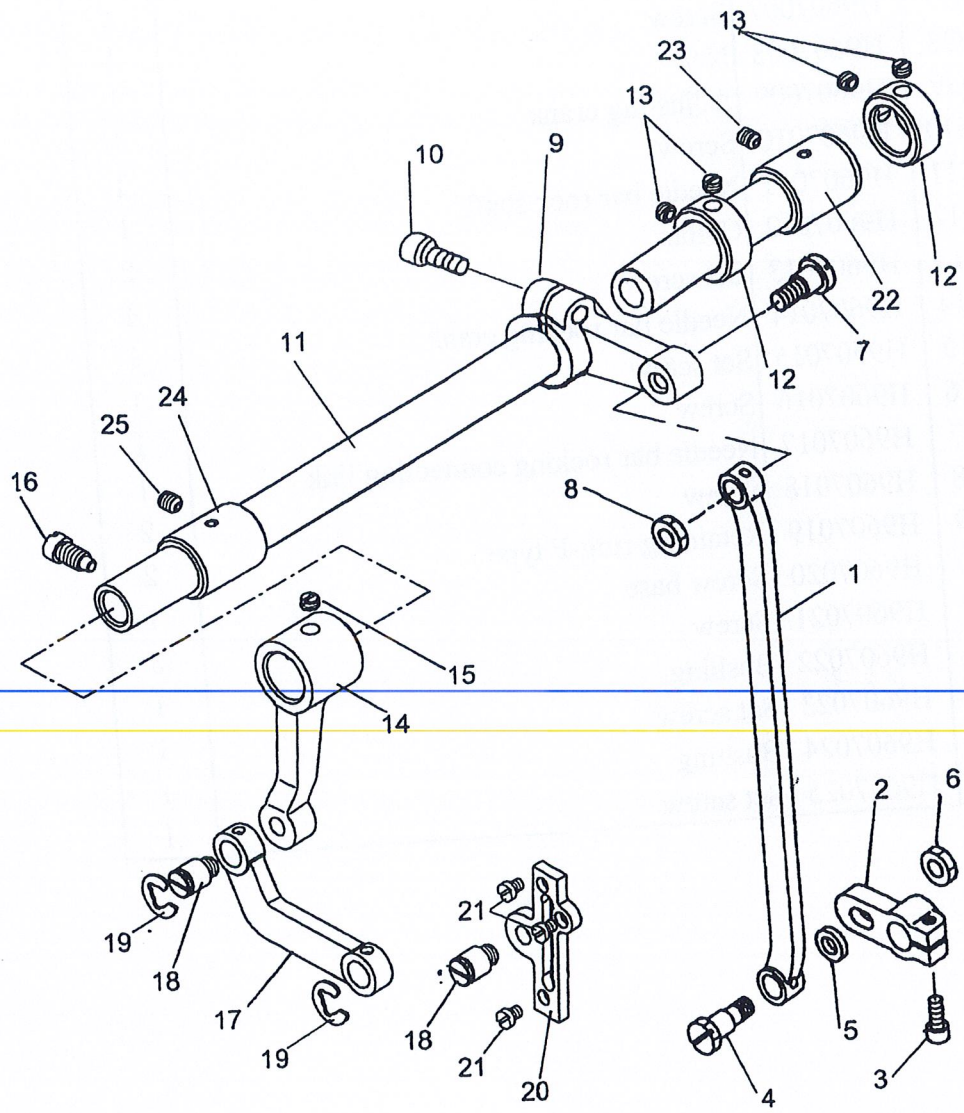
F: PRESSER FPPT LIFTING SHAFT MECHANISM



F: PRESSER FOOT LIFTING SHAFT MECHANISM

| No. | Ref. No. | Description | Pcs. |
|-----|----------|--------------------------------------|------|
| F1 | H9606001 | Presser foot lifting eccentric | 1 |
| F2 | H9606002 | Set screw | 2 |
| F3 | H9606003 | Eccentric connecting link | 1 |
| F4 | H9606004 | Screw | 1 |
| F5 | H9606005 | Washer | 1 |
| F6 | H9606006 | Nut | 1 |
| F7 | H9606007 | Adjusting crank | 1 |
| F8 | H9606008 | Screw | 1 |
| F9 | H9606009 | Presser foot lifting shaft | 1 |
| F10 | H9606010 | Presser foot lifting shaft crank | 1 |
| F11 | H9606011 | Screw | 1 |
| F12 | H9606012 | Presser foot lifting connecting link | 1 |
| F13 | H9606013 | Screw | 2 |
| F14 | H9606014 | Retaining ring-E type | 4 |
| F15 | H9606015 | Presser foot lifting lever | 1 |
| F16 | H9606016 | Screw | 2 |
| F17 | H9606017 | Presser foot lifting lever base | 1 |
| F18 | H9606018 | Screw | 2 |
| F19 | H9606019 | Roller | 1 |
| F20 | H9606020 | Bearing | 1 |
| F21 | H9606021 | Screw | 1 |
| F22 | H9606022 | Roller base plate | 1 |
| F23 | H9606023 | Screw | 2 |
| F24 | H9606024 | Walking foot lifting connecting link | 1 |
| F25 | H9606025 | Bushing | 1 |
| F26 | H9606026 | Set screw | 1 |
| F27 | H9606027 | Bushing | 1 |
| F28 | H9606028 | Set screw | 1 |

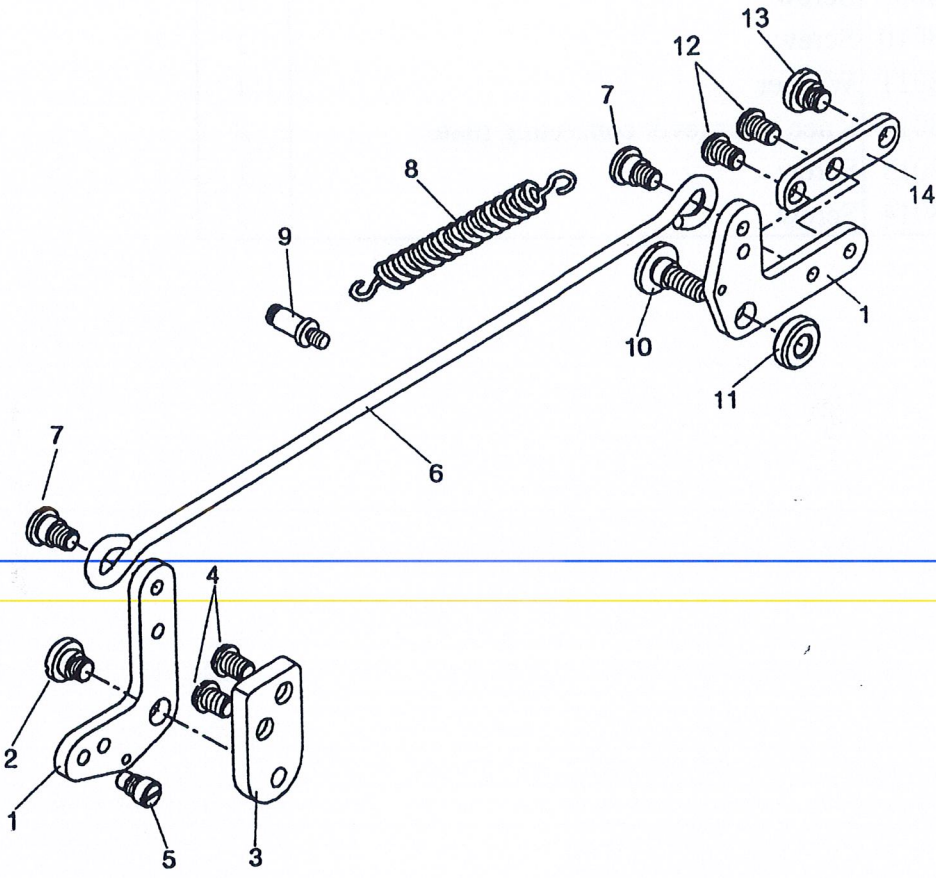
G: NEEDLE BAR ROCK SHAFT MECHANISM



G: NEEDLE BAR ROCK SHAFT MECHANISM

| No. | Ref. No. | Description | Pcs. |
|-----|----------|------------------------------------|------|
| G1 | H9607001 | Needle bar rocking connecting link | 1 |
| G2 | H9607002 | Adjusting crank | 1 |
| G3 | H9607003 | Screw | 1 |
| G4 | H9607004 | Screw | 1 |
| G5 | H9607005 | Washer | 1 |
| G6 | H9607006 | Nut | 1 |
| G7 | H9607007 | Screw | 1 |
| G8 | H9607008 | Nut | 1 |
| G9 | H9607009 | Adjusting crank | 1 |
| G10 | H9607010 | Screw | 1 |
| G11 | H9607011 | Needle bar rock shaft | 1 |
| G12 | H9607012 | Collar | 1 |
| G13 | H9607013 | Set screw | 2 |
| G14 | H9607014 | Needle bar rocking crank | 4 |
| G15 | H9607015 | Set screw | 1 |
| G16 | H9607016 | Screw | 1 |
| G17 | H9607017 | Needle bar rocking connecting link | 1 |
| G18 | H9607018 | Screw | 1 |
| G19 | H9607019 | Retaining ring-E type | 2 |
| G20 | H9607020 | Screw base | 2 |
| G21 | H9607021 | Screw | 1 |
| G22 | H9607022 | Bushing | 3 |
| G23 | H9607023 | Set screw | 1 |
| G24 | H9607024 | Bushing | 1 |
| G25 | H9607025 | Set screw | 1 |

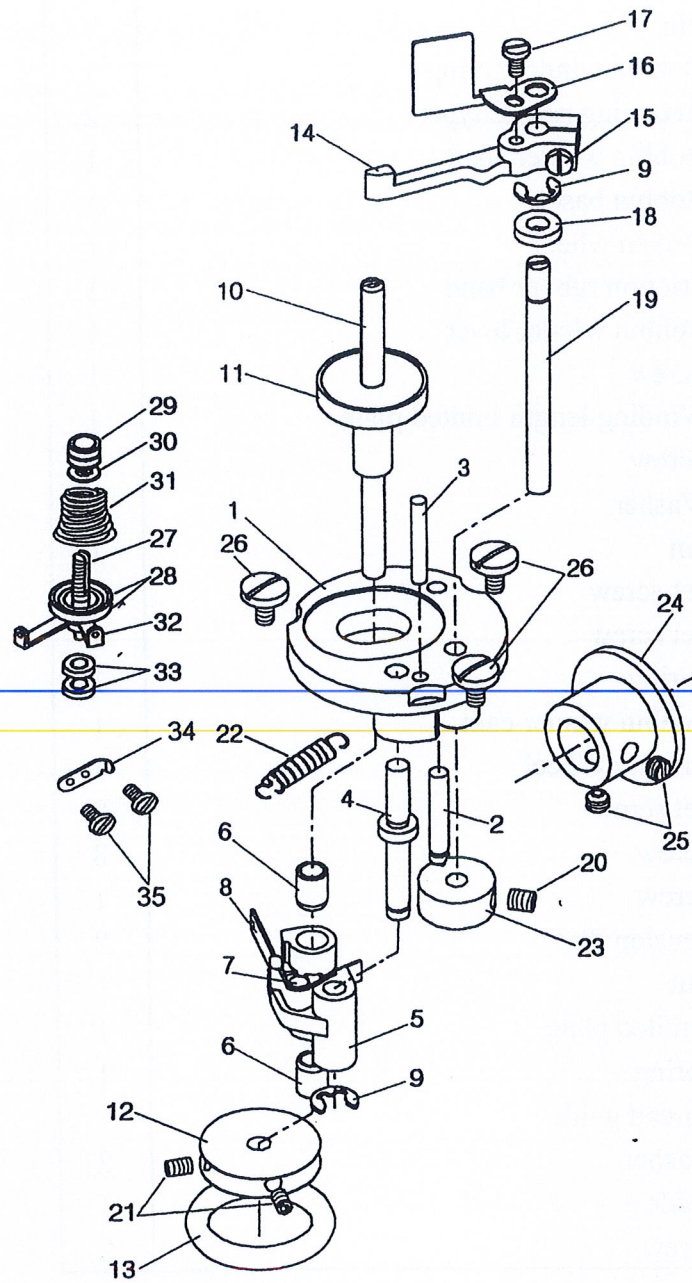
H: KNEE LIFTER MECHANISM



H: KNEE LIFTER MECHANISM

| No. | Ref. No. | Description | Pcs. |
|-----|----------|------------------------------------|------|
| H1 | H9608001 | Knee lifter lever | 2 |
| H2 | H9608002 | Screw | 1 |
| H3 | H9608003 | Knee lifter lever base | 1 |
| H4 | H9608004 | Screw | 2 |
| H5 | H9608005 | Screw | 1 |
| H6 | H9608006 | Knee lifter rod | 1 |
| H7 | H9608007 | Screw | 2 |
| H8 | H9608008 | Coil spring | 1 |
| H9 | H9608009 | Screw | 1 |
| H10 | H9608010 | Screw | 1 |
| H11 | H9608011 | Washer | 1 |
| H12 | H9608012 | Knee lifter lever connecting plate | 2 |
| H13 | H9608013 | Screw | 1 |
| H14 | H9608014 | Screw | 1 |

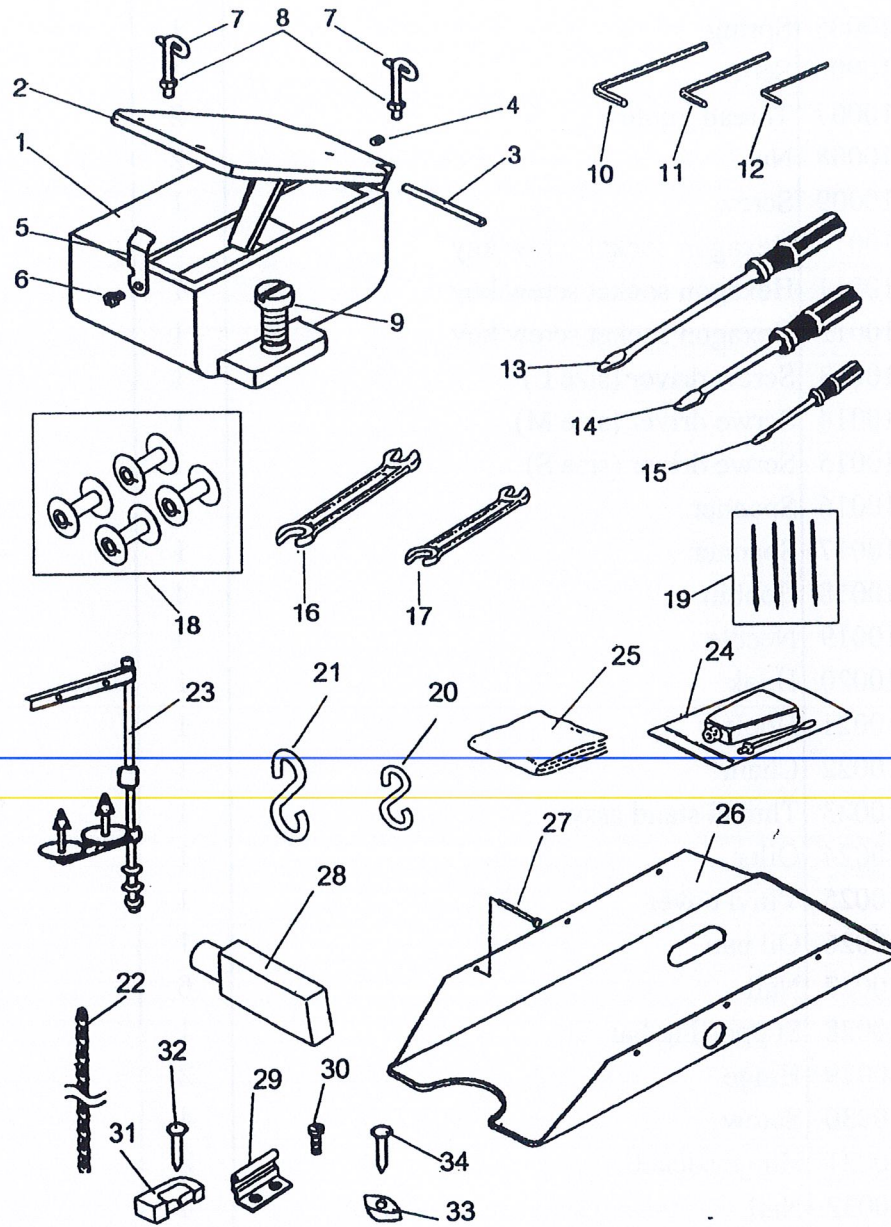
I: BOBBIN WINDER MECHANISM



I: BOBBIN WINDER MECHANISM

| No. | Ref. No. | Description | Pcs. |
|-----|----------|------------------------------|------|
| I1 | H9609001 | Bobbin winder plate | 1 |
| I2 | H9609002 | Pin | 1 |
| I3 | H9609003 | Pin | 1 |
| I4 | H9609004 | Bobbin winder crank shaft | 1 |
| I5 | H9609005 | Bobbin winder crank shaft | 1 |
| I6 | H9609006 | Bushing | 2 |
| I7 | H9609007 | Pin | 1 |
| I8 | H9609008 | Bobbin winder spring | 1 |
| I9 | H9609009 | Retaining ring-E type | 2 |
| I10 | H9609010 | Bobbin winder shaft | 1 |
| I11 | H9609011 | Bobbin base | 1 |
| I12 | H9609012 | Driven wheel | 1 |
| I13 | H9609013 | Friction rubber band | 1 |
| I14 | H9609014 | Bobbin winder lever | 1 |
| I15 | H9609015 | Screw | 1 |
| I16 | H9609016 | Winding length limited plate | 1 |
| I17 | H9609017 | Screw | 1 |
| I18 | H9609018 | Washer | 1 |
| I19 | H9609019 | Pin | 1 |
| I20 | H9609020 | Set screw | 1 |
| I21 | H9609021 | Set screw | 2 |
| I22 | H9609022 | Spring | 1 |
| I23 | H9609023 | Bobbin winder cam | 1 |
| I24 | H9609024 | Driving Wheel | 1 |
| I25 | H9609025 | Set screw | 2 |
| I26 | H9609026 | Screw | 3 |
| I27 | H9609027 | Screw | 1 |
| I28 | H9609028 | Tension disc | 2 |
| I29 | H9609029 | Nut | 1 |
| I30 | H9609030 | Limited plate | 1 |
| I31 | H9609031 | Spring | 1 |
| I32 | H9609032 | Thread guide | 1 |
| I33 | H9609033 | Washer | 2 |
| I34 | H9609034 | Blade | 1 |
| I35 | H9609035 | Screw | 2 |

J: ACCESSORIES



J: ACCESSORIES

| No. | Ref. No. | Description | Pcs. |
|-----|----------|--------------------------|------|
| J1 | H9610001 | Silicon oil box | 1 |
| J2 | H9610002 | Cover | 1 |
| J3 | H9610003 | Pin | 1 |
| J4 | H9610004 | Screw | 1 |
| J5 | H9610005 | Spring | 1 |
| J6 | H9610006 | Screw | 1 |
| J7 | H9610007 | Thread guide | 2 |
| J8 | H9610008 | Nut | 2 |
| J9 | H9610009 | Screw | 1 |
| J10 | H9610010 | Hexagon socket screw key | 1 |
| J11 | H9610011 | Hexagon socket screw key | 1 |
| J12 | H9610012 | Hexagon socket screw key | 1 |
| J13 | H9610013 | Screw driver (size L) | 1 |
| J14 | H9610014 | Scrwe driver (size M) | 1 |
| J15 | H9610015 | Scrwe driver (size S) | 1 |
| J16 | H9610016 | Spanner | 1 |
| J17 | H9610017 | Spanner | 1 |
| J18 | H9610018 | Bobbin | 4 |
| J19 | H9610019 | Needle | 4 |
| J20 | H9610020 | Hook | 1 |
| J21 | H9610021 | Hook | 1 |
| J22 | H9610022 | Chain | 1 |
| J23 | H9610023 | Thread stand assy | 1 |
| J24 | H9610024 | Oiler | 1 |
| J25 | H9610025 | Vinyl cover | 1 |
| J26 | H9610026 | Oil pan | 1 |
| J27 | H9610027 | Nail | 6 |
| J28 | H9610028 | Supporting bar | 1 |
| J29 | H9610029 | Hinge | 2 |
| J30 | H9610030 | Screw | 4 |
| J31 | H9610031 | Hinge socket | 2 |
| J32 | H9610032 | Nail | 4 |
| J33 | H9610033 | Cushion | 4 |
| J34 | H9610034 | Nail | 4 |