



1-NEEDLE COMPOUND FEED HEAVY DUTY SEWING MACHINE

OPERATION INSTRUCTION / PARTS MANUAL

TYPICAL SEWING MACHINE WANPING MACHINERY CO., LTD.

| ☐ Please don't adjust and repair the machine by non-professionals, except adjusting stitch. ☐ Specifications subject to change without notice |
|---|
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| 44 A | |

Operation Instruction

1. Brief introduction

This compound feed sewing machine is designed with unique feed mechanisms, which make sewing of uneven and thick materials easy. Smooth, uniform and neat stitches are promised. The machine runs with high speed and low noise thanks for its' vertical-axis rotating hook, sliding lever take-up and synchronized belt driven mechanisms. It is designed for sewing of car seats, sofas, leather bags and tents industry.

3. Machine installation (Fig.1)

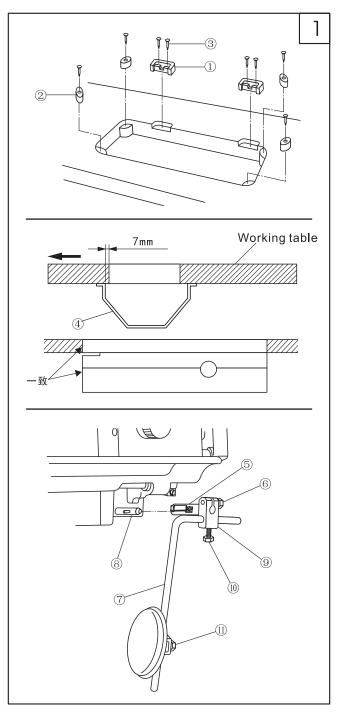
- 1. Setting of hinges and cushions of machine head Fix hinges 1 and rubber cushions 2 into the working table by nails 3.
- 2. Setting of oil pan

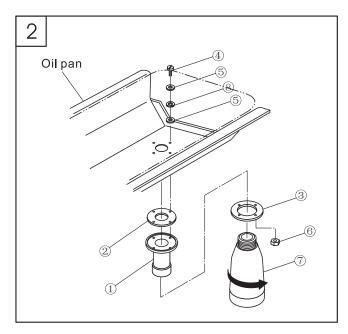
Fix oil pan 4 under the working table by 8 wood screws as per illustration.

- 3. Install knee lift connector ⑤, crank ⑨ and lever ⑦ to the knee lift shaft ⑧ properly.
- 4. Adjust the position of the cushion by screw 6, 10 and 10

2. Main specifications

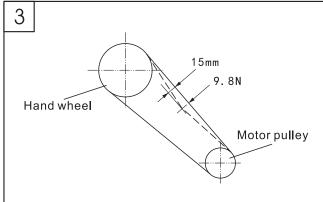
| Applications | Medium and heavy weight materials |
|--------------------------|-------------------------------------|
| Max sewing speed | 2500 s.p.m |
| Max stitch length | 9mm |
| Needle bar stroke | 36mm |
| Needle | DP×17(Nm125~Nm180) 24# |
| Lubrication | Oil wick (Rotating hook self oiled) |
| Rotating hook | Self oiled big rotating hook |
| Presser foot lift height | 9mm by hand, 16mm by knee |
| Motor power | 370W |





4. Setting the waste oil collector (Fig.2)

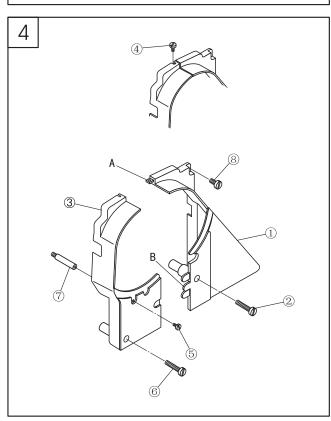
- 1.Install oil bolt ①, oil seal ②and washer ③ to the oil pan. Put spacer ⑤, wahser ⑦ onto screw ④ and fix them with screw ⑥
- 2.Screw oil pot 7 up to the oil bolt 1.



5. Tension of belt (Fig.3)

Adjust the height of motor to regulate the tension of belt. Press the center of belt with a force of 9.8 N, displacement should be 15mm, that means tension is proper.

Note: Turn off the power and make sure the motor stopped before regulation.



6. Installing the belt cover (Fig.4)

- 1.Screw the belt cover supporting pole into the screw hole.
- 2.Install belt cover 1 to the machine head by setscrew 2 and 8.
- 3.Set belt cover ③ to A and B in cover ①.
- 4. Fix belt cover ③ by setscrew ④, ⑤ and ⑥.

Note: After installation, make sure the belt cover doesn't touch the belt and handwheel.

7. Lubrication (Fig.5)

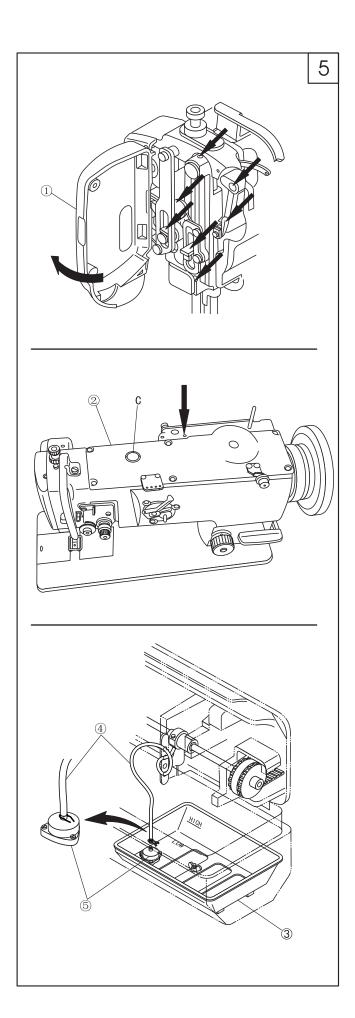
- 1.Lubrication in the face plate
- 1). Remove face plate screw.
- 2). Open face plate ① as per illustration.
- 3). Drip oils to positions signed by arrow.
- 4). Close the face plate.
- 5). Tighten the screw.

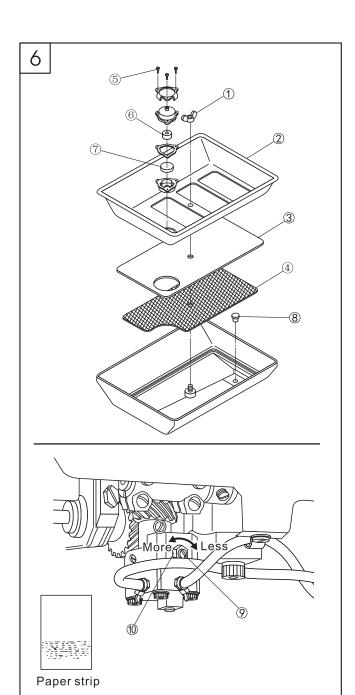
2.Lubrication in the arm

- 1). Drip oils to the signed position everyday.
- 2). Oil the machine before its' Initial running or after a long time idle at signed point and, remove top cover 2, drip oils to all felts and wicks inside the arm.

3.Small oil pan

- 1). Insert small oil pan 3 into the oil pan, with the projecting position into the waste oil hole.
- 2). Insert oil tube ④ into filter ⑤ in the small oil pan and fasten by clip.
- 3). Infuse sewing machine oil into small oil pan to the mark of HIGH.
- 4). Replenish oil in time when oil level is below LOW mark.
- 5). Run the sewing machine after replenishment, oil should be viewed moving in the oil window C when sewing speed is over 1500rpm.

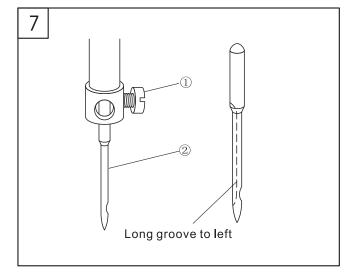




8. Cleaning the small oil pan (Fig.6)

- 1.Remove oil tube off the small oil pan.
- 2.Take off screw ①, tray ②, filter ③ and supporter ④, clean the small oil pan.
- 3.Remove screw 5, clean filter element 6 and magnet 7.
- 4. Take off plug ® from small oil pan to discard waste oil and insert the plug ®. Oil shoud be drained before taking out the small oil pan.
- 5.Put filter element 6 and magnet 7 into the case and fix on tray 2 with screw 5.
- 6. Then put supporter ④, filter ③ and tray ② back in sequence, fix them with screw ① on the small oil pan.
- 7. Insert oil tube into the small oil pan and fix with clip.

- 8.Loosen screw (11) to regulate oil of rotating hook by turning screw (9). Turn clockwise to reduce oil, counterclockwise to increase oil.
- 9.Hold a paper strip close to the rotating hook for 5 seconds, oil sprays as in the illustration shows oil is proper in the hook.

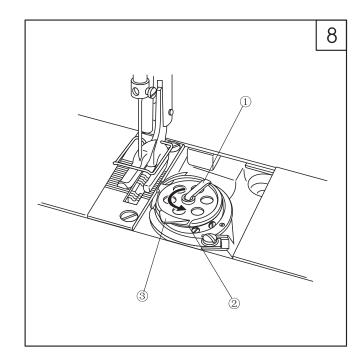


9. Setting the sewing needle (Fig.7)

- 1. Turn the handwheel to raise the needle bar to its' highest point.
- 2.Loosen setscrew ② and have the long groove in the needle ① face leftward.
- 3.Insert needle fully.
- 4. Tighten setscrew 2.

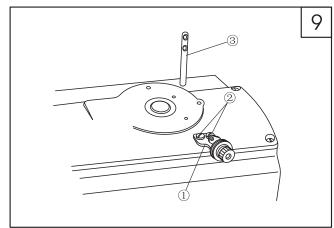
10. Threading the bobbin (Fig.8)

- 1.Lift latch (1) and take out the bobbin.
- 2.Insert bobbin correctly and close the latch.
- 3.Draw thread through slot 2, under horn 3 and tension spring.
- 4.Bobbin should turns in direction of the arrow when you draw the thread.



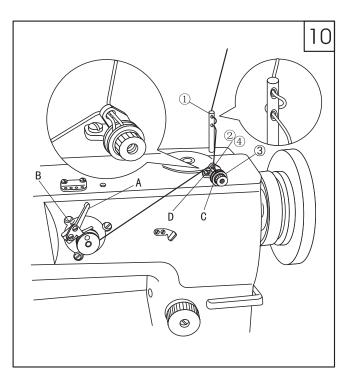
11. Installing the thread winding guide (Fig.9)

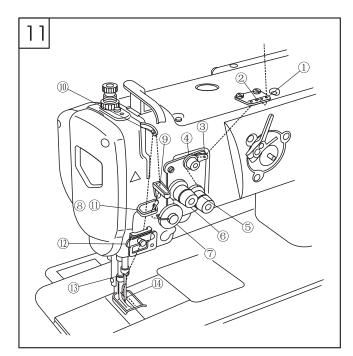
- 1. Mount winding guide $\ensuremath{\mathbb{T}}$ onto the top cover with setscrew $\ensuremath{\mathbb{Q}}.$
- 2.Insert thread finger onto the machine head.



12. Winding bobbin thread (Fig.10)

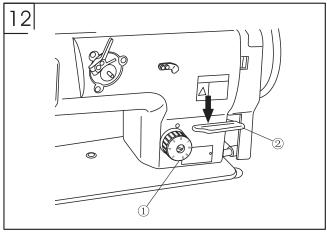
- 1.Thread in sequence 1 ~4, then coil around the bobbin several circles to fix.
- 2 Press latch A.
- 3.Loosen screw B to adjust the latch to get the proper thread winding, 80% of the bobbin capacity.
- 4.If thread wound unevenly, move guide C to regulate and fasten with screw D.
- 5.Latch get ungeared and finish winding auto matically.





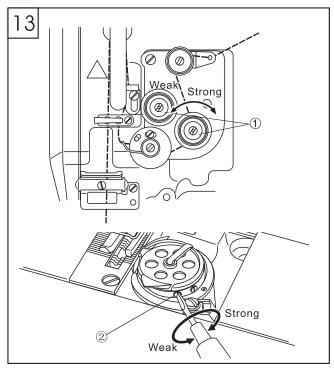
13. Threading the needle (Fig.11)

Thread in sequence as per the illustration.



14. Stitch length (Fig.12)

Turn the stitch regulating dial ① leftward or rightward to get your required stitch length. Press reverse lever ② to start reverse sewing, loose it to restore normal sewing.



15. Thread tension (Fig.13)

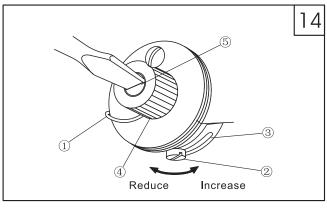
- 1.Tension of upper thread Turn the tension nuts ① clockwise to increase upper thread tension, counterclockwise to reduce the tension.
- 2.Tension of bobbin thread Turn the tension nut ② clockwise to increase bobbin thread tension, counterclockwise to reduce the tension.

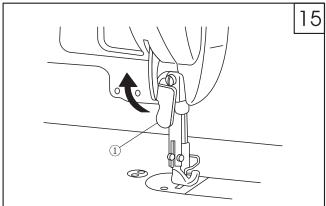
16. Adjusting thread take-up spring (Fig.14)

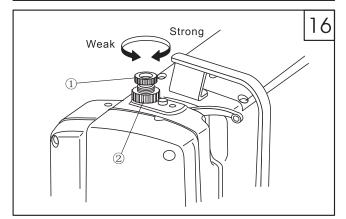
- 1.To change the take-up spring swing range a.Loosen setscrew ② and move plate ③ to adjust the take-up spring.
- b.Move plate ③ rightward to increase take-up spring swing range, leftward to reduce swing range.
- 2.To change the rigidity of take-up spring Loosen nut ④, turn shaft ⑤ counterclockwise to increase rigidity, clockwise to reduce.

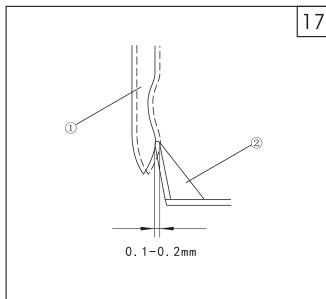
17. Presser foot lift (Fig.15)

- 1.Stop the presser foot at its' upper motion. Raise the foot lift lever 1 as illustration. The presser foot rises 9mm then stop.
- 2.Lower the lift lever ① to restore the presser foot.









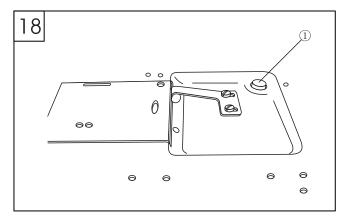
18. Pressure of presser foot (Fig.16)

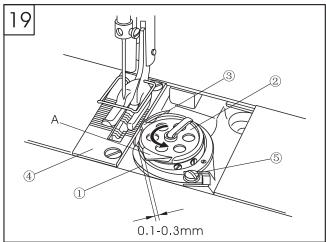
Turn the regulating bolt 1 rightward to increase the pressure, counterclockwise to reduce. Tighten nut 2 after adjustment.

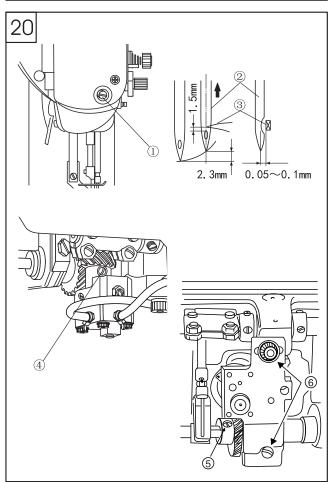
19. Adjusting needle guard plate (Fig.17)

Check the position of needle guard plate after change the rotating hook. The standard position of the guard plate 2 is $0.1 \sim 0.2$ mm against needle 1. If the clearance is unproper, bend the guard plate to adjust.

- 1.To bend the guard plate inward, insert a screwdriver outside.
- 2.To bend the guard plate outward, insert a screwdriver inside of the plate.







20. Reset of safety clutch (Fig.18)

In case the rotating hook applied with a strong force during operation because of thread jamed inside of hook, to protect the hook and the teeth belt from damage, the safety clutch start working. The rotating hook stop rotating even the handwheel is turning. Check the machine and resolve the problem, then reset the safety clutch. 1.Presse down pushbutton ① in the machine head bed, Firmly turn the handwheel reversely at the same time.

2. When a cluck sound is heard, the safety clutch is reset successfully.

21. Adjusting hook thread opener (Fig.19)

1. Turn the handwheel in normal direction to move the thead opener to it's ultimate position.

2. Turn the bobbin case ② in direction pointed with arrow, to make stopper ③ (the projection part) against the notch in the needle plate ④.

3. Loosen opener setscrew ⑤, adjust untill the clearance between horn A and the opener is 0.1~0.3mm.

22. Timing between needle and rotating hook (Fig.20)

1. Turn the stitch regulating dial to 0.

2. Turn the handwheel to raise needle bar by

2.3mm from its' lowest point. Loosen needle bar joint screw 1, adjust and make top of the needle hole is 1.5mm from the hook tip. Tighten screw 1.

3. Turn the handwheel to raise needle bar by

2.3mm from its' lowest point. Adjust and make the hook tip at the center of the needle axis. Tighten the 2 gear(small) setscrew s4, with the V-screw align with the V-notch of the hook shaft. 4.With the hook tip 3 aligned with needle 2 axis, loosen the hook shaft saddle setscrew 6 and

regulate its' position leftward or rightward to make clearance between hook tip and needle is 0.05~0.1mm. Tighten screw 6.

5.Loosen the 2 gear(big) setscrews 5, move gear(big) left or rightward to make hook tip3 aligned with needle 2 axis. Tighten setscrews 5, with the 1st screw aligned with the flat notch of the lower shaft.

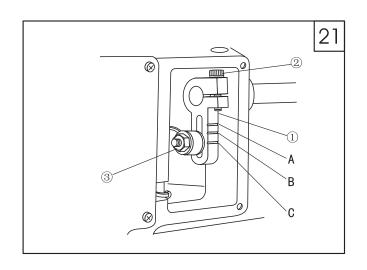
23. Alternating lift amount of presser feet (Fig.21)

Generally, for sewing of materials of different quality or thickness, you can adjust alternating lift amount of presser feet by moving upper feed crank ① up or down within the range of the slot to get the best possible stitches. Move the crank up to increase alternating lift amount, move down to reduce. Tighten nut ③ after adjusting.

In case the lift amounts of the 2 feet is different, move the 2 feet to align with the needle plate surface, then loosen crank setscrew ②. Turn the handwheel in normal direction and tighten screw ②, the lift amount of big foot get bigger and small foot get smaller. Turn the handwheel reversely, the lift amount of small foot get bigger and big foot get smaller.

Remove the right side of the window plate, the upper feed crank ① can be observed.

| Presser feet alternating lift amount | | | | |
|--------------------------------------|-----|--|--|--|
| Mark A | 5mm | | | |
| Mark B | 4mm | | | |
| Mark C | 3mm | | | |



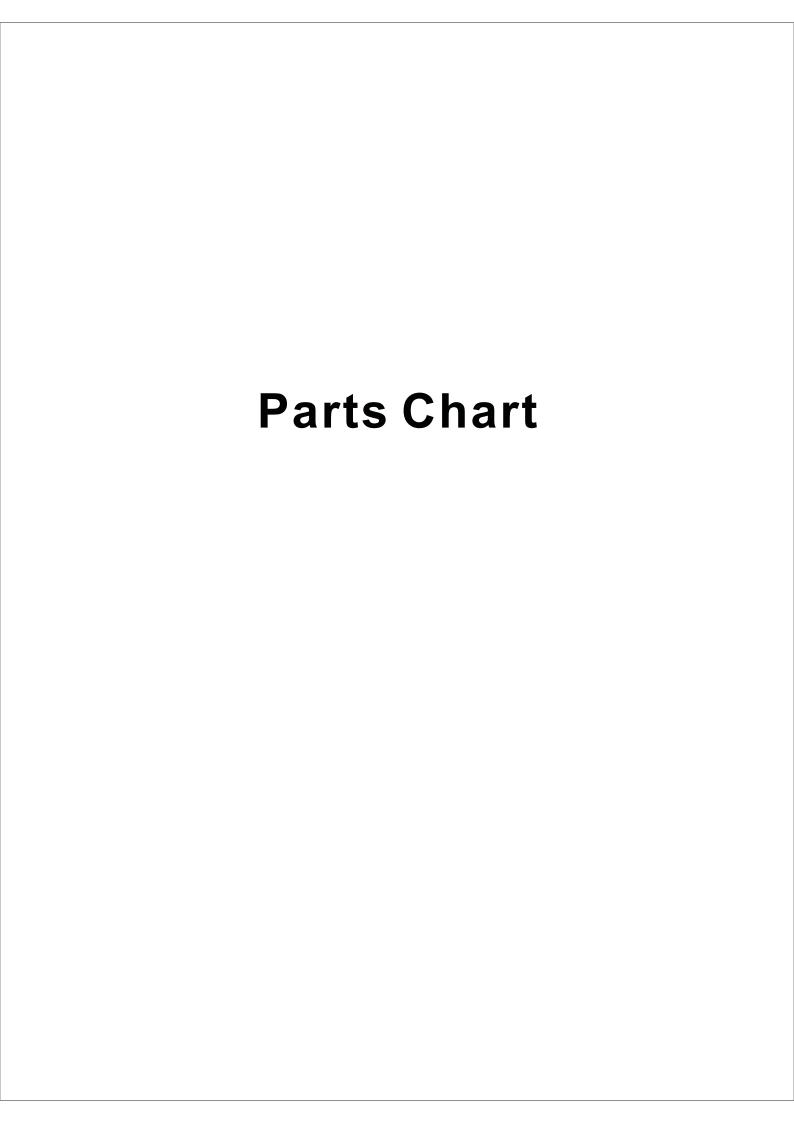
24. Settings for different speeds

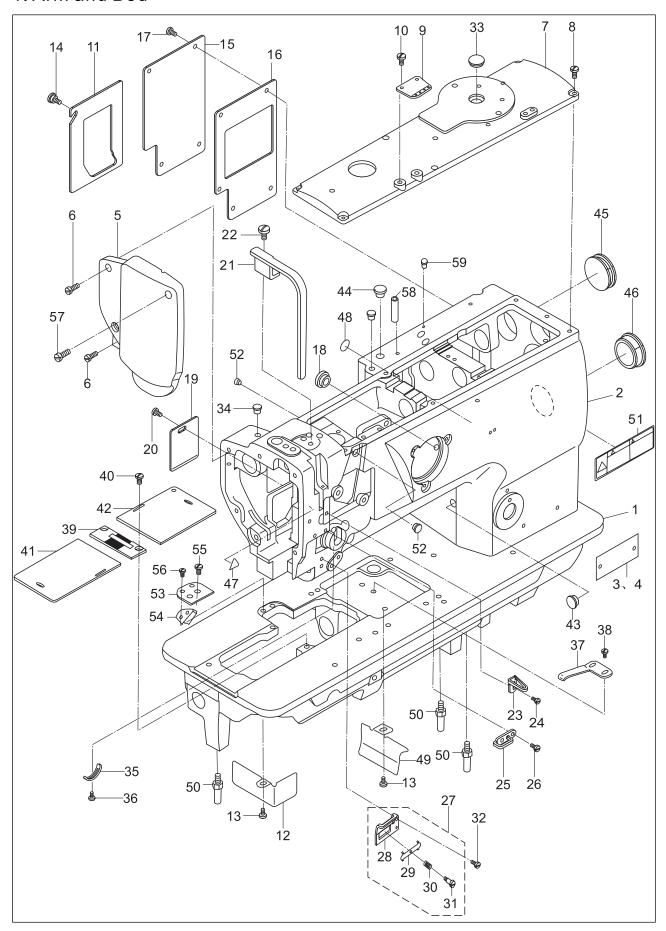
| Alternating lift amount | Stitch < 6mm | 6mm< Stitch <9mm |
|-------------------------|--------------|------------------|
| Less than 3mm | 2,500rpm | 2,000rpm |
| 3~4mm | 2,000rpm | 2,000rpm |
| 4~6.5mm | 1,600rpm | 1,600rpm |

Make proper settings for different speeds accordingly. Do not supass the standard.

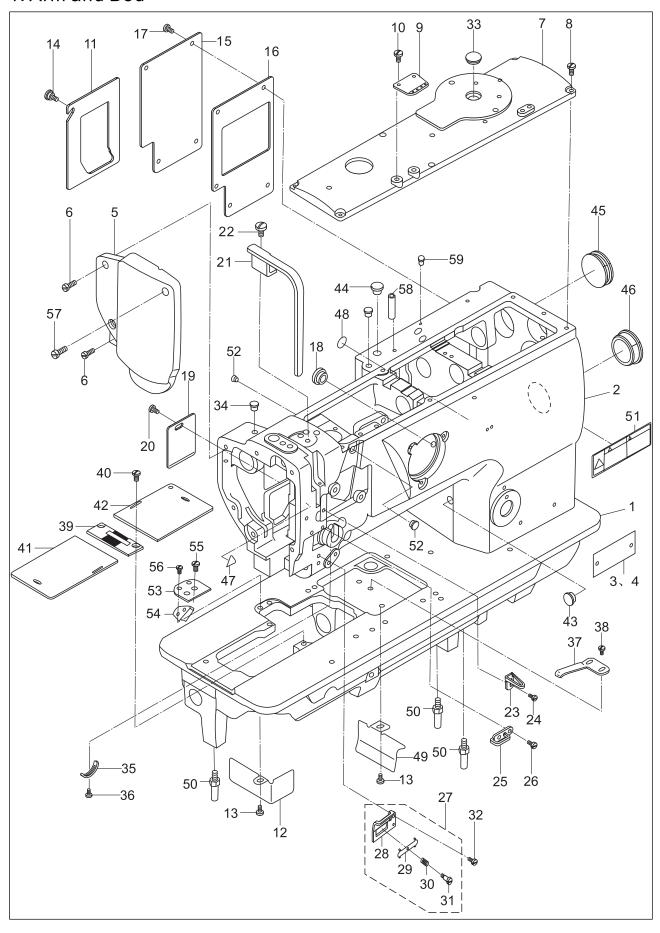
25. Troubleshooting

| Trouble | Possible cause | Solution |
|--|---|---|
| 1.Thread breaking (2~3mm thread left on the cloth) | 1. Damage on the rotating hook slots, needle point, hook tip and needle plate 2. Needle thread too tight 3. Collision between needle and rotating hook 4. Rotating hook oiled insufficiently 5. Needle thread too loose 6. Thread take-up spring too rigid 7. Too fast or slow timing of rotating hook and needle | 1. Polish the damaged position, thorns with sand paper or rasp 2. Weaken the needle thread tension 3. Refer to 22. Timing between needle and rotating hook 4. Adjust oil amount (7. Lubrication) 5. Increase the needle thread tension 6. Reduce the rigidity of take-up spring 7. Refer to 22. Timing between needle and rotating hook |
| 2. Skipped stitch | 1. Too fast or slow timing of rotating hook and needle 2. Presser foot pressure too weak 3. Clearance between the top of needle hole and the rotating hook tip not proper 4. Wrong needle | 1. Refer to 22. Timing between needle and rotating hook 2. Tighten the pressure adjusting bolt 3. Refer to 22. Timing between needle and rotating hook 4. Replace the needle with correct one |
| 3. Loose stitch | 1. Bobbin thread doesn't pass under the tension spring of the bobbin case 2. Roughness on the rotating hook 3. Bobbin stop rotating 4. Bobbin thread too loose 5. Bobbin thread too tight 6. Damage of the needle point | 1. Refer to 10. Threading the bobbin 2. Polish with sand paper or rasp 3. Replace bobbin or rotating hook 4. Increase the bobbin thread tension 5. Reduce the bobbin thread tension 6. Replace the needle |

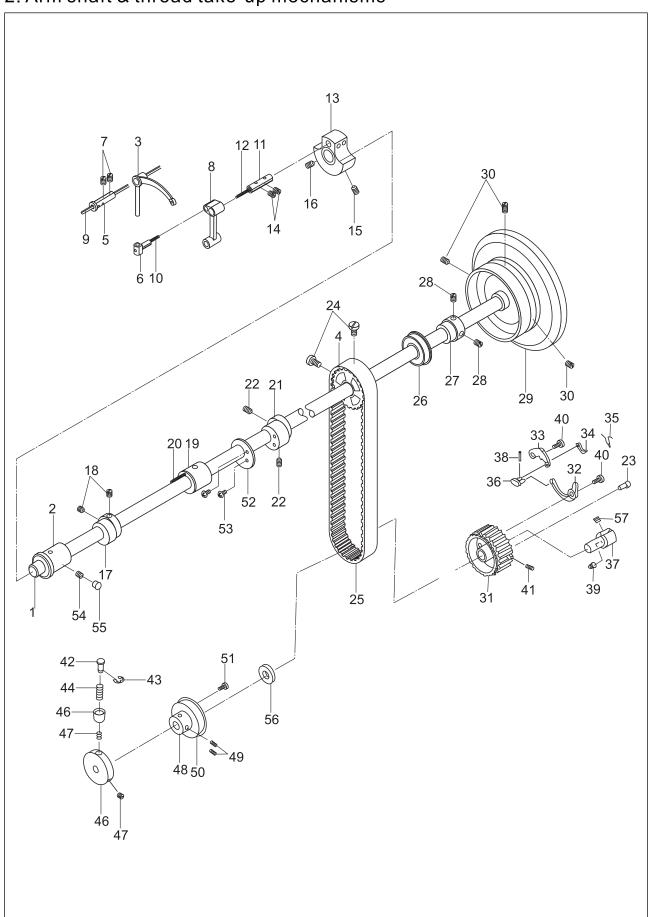




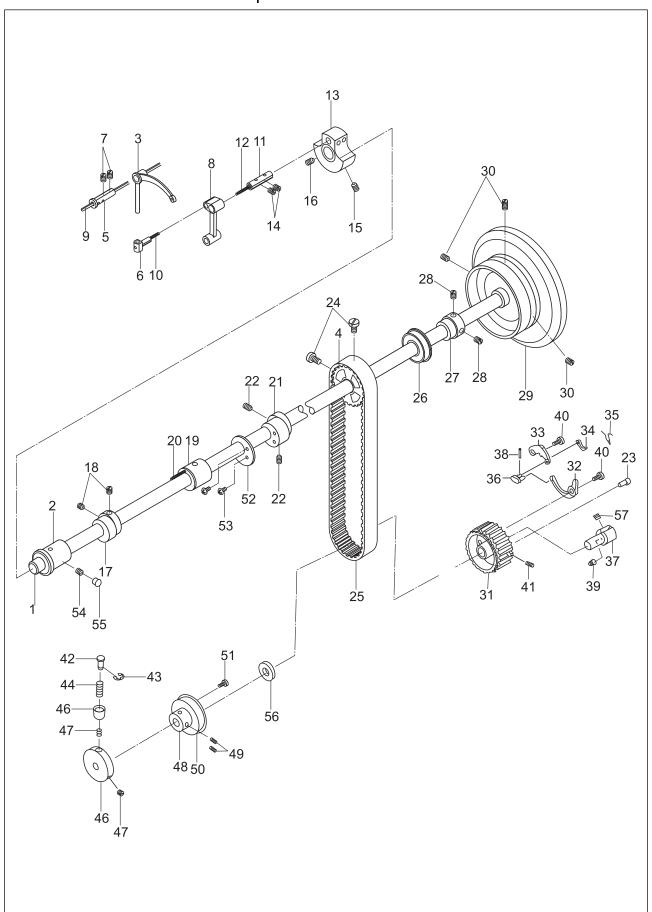
| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|----------------------------|-----|-------------|
| 1 | 199WF2-001 | Bed | 1 | |
| 2 | 119WF2-016 | Arm | 1 | |
| 3 | 199WF2-002A | Model plate | 1 | |
| 4 | 199WF2-002B | Model plate | 1 | |
| 5 | 92WF2-003 | Face plate assy | 1 | |
| 6 | 1WF5-039 | Screw | 2 | |
| 7 | 92WF2-009 | Top cover | 1 | |
| 8 | 21WF4-047 | Screw | 6 | SM11/64"×40 |
| 9 | 199WF2-017 | Upper thread guide | 1 | |
| 10 | 21WF1-062 | Screw | 1 | SM3/16"×32 |
| 11 | 92WF2-007 | Side cover | 1 | |
| 12 | 199WF2-003 | Cover | 1 | |
| 13 | 21WF4-047 | Screw | 2 | SM11/64"×40 |
| 14 | 92WF2-008 | Screw | 1 | |
| 15 | 92WF3-005 | Back cover | 1 | |
| 16 | 92WF2-006 | Packing | 1 | |
| 17 | 1WF1-011 | Screw | 5 | SM11/64"×40 |
| 18 | 92WF2-030 | Rubber plug | 2 | |
| 19 | 92WF2-011 | Small cover | 1 | |
| 20 | 1WF1-011 | Screw | 1 | SM11/64"×40 |
| 21 | 92WF2-004 | Thread take-up lever cover | 1 | |
| 22 | 13WF2-045 | Screw | 1 | SM15/64"×28 |
| 23 | 92WF2-013 | Thread guide | 1 | |
| 24 | 36WF1-016 | Screw | 1 | SM9/64"×40 |
| 25 | 92WF2-014 | Thread guide | 1 | |
| 26 | 1WF1-007 | Screw | 2 | SM9/64"×40 |
| 27 | 92WF2-015 | Lower thread guide assy | 1 | |
| 28 | 92WF2-015A | Thread guide | 1 | |
| 29 | 92WF2-015B | Plate | 1 | |
| 30 | 92WF2-015C | Spring | 1 | |
| 31 | 92WF2-015D | Screw | 1 | SM9/64"×40 |
| 32 | 1WF1-007 | Screw | 1 | SM9/64"×40 |
| 33 | 17WF1-009 | Rubber plug | 1 | |
| 34 | 92WF2-029 | Rubber plug | 2 | |
| 35 | 50WF2-022 | Plate for take-up spring | 1 | |
| 36 | 1WF1-026 | Screw | 1 | SM9/64"×40 |
| 37 | 199WF2-004 | Leafspring | 1 | |
| 38 | 2KT5-005 | Screw | 2 | SM11/64"×40 |



| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|-------------------|-----|---------------------|
| 39 | 199WF2-005 | Needle plate | 1 | |
| 40 | 199WF2-006 | Screw | 2 | |
| 41 | 199WF2-007 | Sliding plate (L) | 1 | |
| 42 | 199WF2-008 | Sliding plate (R) | 1 | |
| 43 | 92WF2-028 | Rubber plug | 1 | |
| 44 | 92WF2-028 | Rubber plug | 1 | |
| 45 | 92WF2-032 | Rubber plug | 1 | |
| 46 | 92WF2-031 | Rubber plug | 1 | |
| 47 | 59WF1-010 | Caution mark | 1 | |
| 48 | 21WF4-050 | Ground wire mark | 1 | |
| 49 | 199WF2-009 | Oil shield | 1 | |
| 50 | 199WF2-010 | Screw | 3 | |
| 51 | 1KT1-005 | Caution label | 1 | |
| 52 | 199WF2-011 | Rubber plug | 2 | |
| 53 | 199WF2-012 | Auxiliary cover | 1 | |
| 54 | 199WF2-013 | Supporter | 1 | |
| 55 | 50WF2-031 | Screw | 2 | |
| 56 | 199WF2-014 | Screw | 2 | SM9/64"×40 |
| 57 | 26210 | Screw | 1 | SM15/64"×28 |
| 58 | | Pin | 1 | GB/T 879.1 4.5 × 20 |
| 59 | 199WF2-015 | Rubber plug | 2 | |
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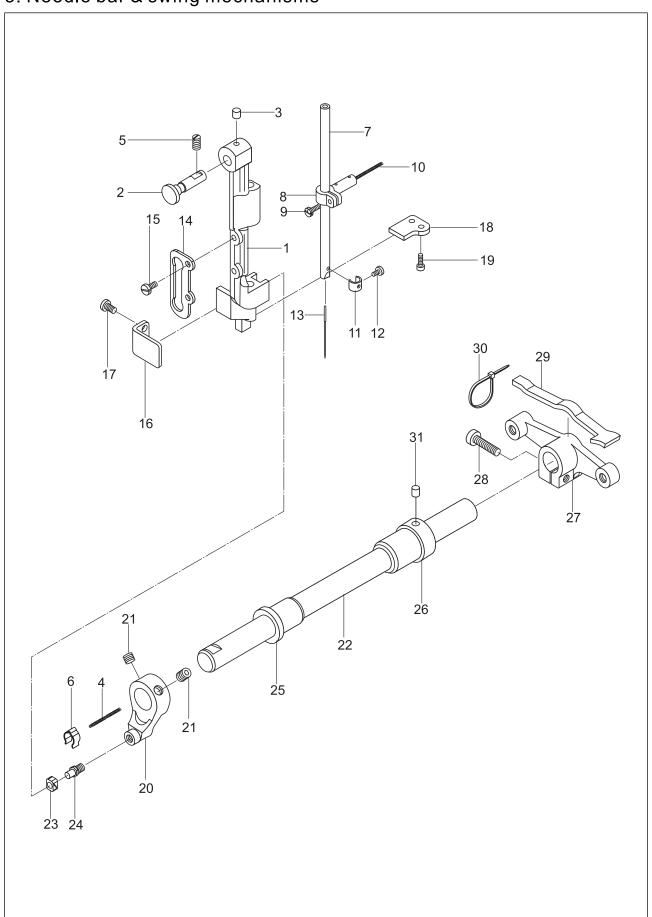


| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|---------------------------|-----|----------------|
| 1 | 199WF1-051 | Arm shaft | 1 | |
| 2 | 92WF1-009 | Front bushing, arm shaft | 1 | |
| 3 | 199WF1-001 | Thread take-up lever | 1 | |
| 4 | 199WF1-002 | Synchronized pulley assy | 1 | |
| 5 | 16WF1-010 | Pin shaft | 1 | |
| 6 | 50WF1-006 | Slide block | 1 | |
| 7 | 1WF50-019 | Screw | 2 | SM15/64"×28 |
| 8 | 92WF1-006 | Needle bar link | 1 | |
| 9 | 199WF1-003 | Oil wick | 1 | Φ2.5×450 |
| 10 | 199WF1-004 | Oil wick | 1 | L=30 |
| 11 | 50WF1-008 | Pin | 1 | |
| 12 | 199WF1-005 | Wick | 1 | Φ7×30 |
| 13 | 92WF1-007 | Needle bar crank | 1 | |
| 14 | 1WF5-019 | Screw | 2 | SM15/64"×28 |
| 15 | 50WF1-013 | Screw | 1 | SM9/32"×28 |
| 16 | 20T2-007 | Screw | 1 | SM9/32"×28 |
| 17 | 92WF3-014 | Feed cam | 1 | |
| 18 | 1WF2-010 | Screw | 2 | SM1/4"×40 |
| 19 | 92WF1-010 | Middle bushing, arm shaft | 1 | |
| 20 | 199WF1-006 | Wick | 1 | Φ2×150 |
| 21 | 92WF3-029 | Feed eccentric cam | 1 | |
| 22 | 1WF2-010 | Screw | 2 | SM1/4"×40 |
| 23 | 22WF1-015 | Pin | 1 | |
| 24 | 92WF1-014 | Screw | 2 | |
| 25 | 92WF1-034 | Teeth belt | 1 | |
| 26 | 36WF3-019A | Upper bearing | 1 | 50105 25×47×12 |
| 27 | 92WF1-011 | Bushing | 1 | |
| 28 | 57WF-009 | Screw | 2 | M6 |
| 29 | 92WF1-015 | Hand wheel | 1 | |
| 30 | 42WF3-007 | Screw | 2 | |
| 31 | 110WF1-017 | Lower synchronized pulley | 1 | |
| 32 | 22WF1-013 | Leafspring | 1 | |
| 33 | 22WF1-018 | Stop plate | 1 | |
| 34 | 22WF1-016 | Stop plate | 1 | |
| 35 | 22WF1-014 | Twist spring | 1 | |
| 36 | 22WF1-017 | Link | 1 | |
| 37 | 103614 | Bushing | 1 | |
| 38 | B225001 | Pin | 1 | GB91-86 1.2×8 |
| | | | · | 323. 30 |



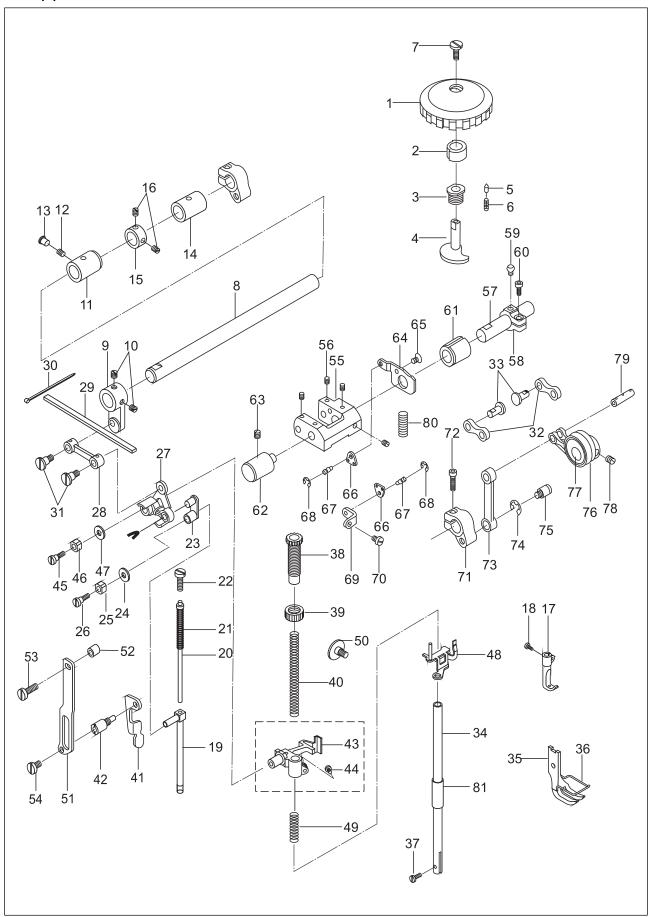
| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|-----------------|-----|----------------|
| 39 | 22WF1-052 | Screw | 1 | SM1/4"×40 |
| 40 | 22WF1-019 | Screw | 2 | |
| 41 | 22WF1-020 | Screw | 2 | |
| 42 | 199WF1-020 | Push button | 1 | |
| 43 | | Retaining ring | 1 | GB896 5 |
| 44 | 199WF1-021 | Spring | 1 | |
| 45 | 199WF1-022 | Bushing | 1 | |
| 46 | 199WF1-023 | Wheel | 1 | |
| 47 | 18227 | Screw | 1 | SM1/4"×40 |
| 48 | 199WF1-024 | Collar | 2 | |
| 49 | 21WF1-022 | Screw | 1 | SM1/4"×40 |
| 50 | | Bearing | 2 | 50104 20×42×12 |
| 51 | 199WF1-025 | Screw | 1 | |
| 52 | 92WF3-030 | Retaining block | 2 | |
| 53 | 7WF5-017 | Screw | 1 | SM11/64"×40 |
| 54 | 1WF5-019 | Screw | 2 | SM15/64"×28 |
| 55 | 92WF2-029 | Rubber plug | 1 | |
| 56 | 199WF1-026 | Washer | 2 | |
| 57 | 22WF1-012 | Screw | 1 | |
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3. Needle bar & swing mechanisms

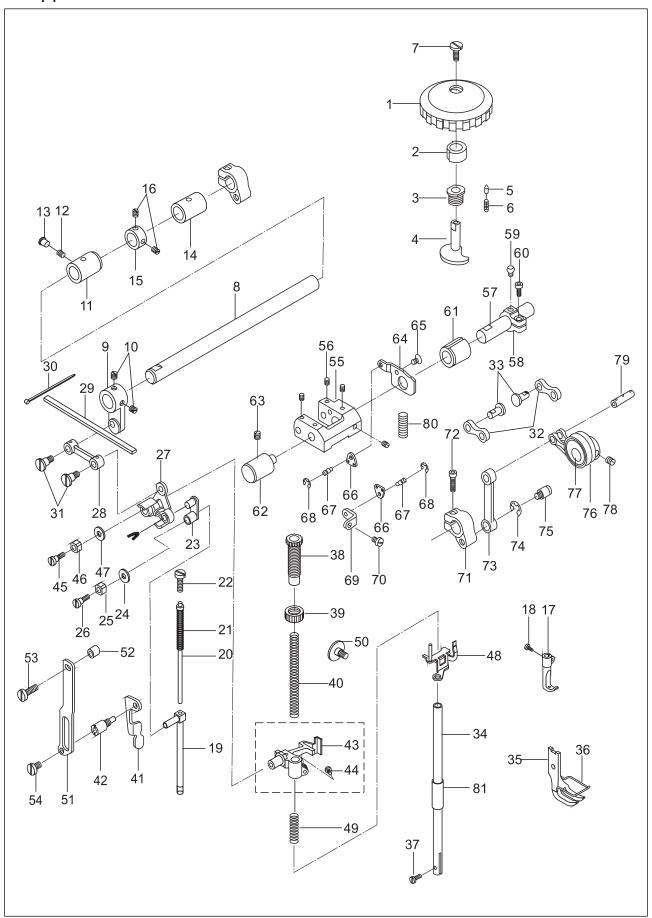


3. Needle bar & swing mechanisms

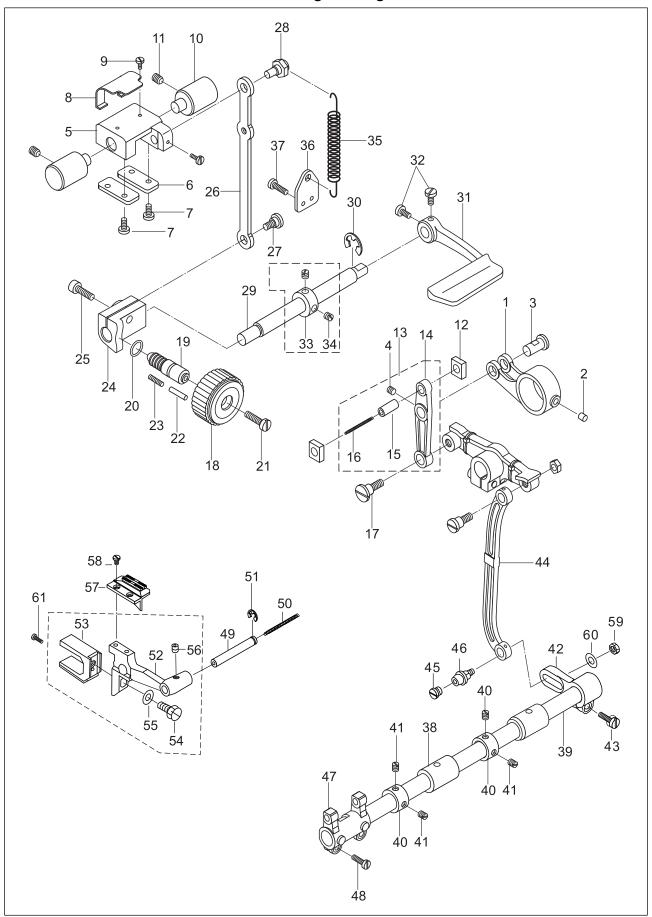
| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|----------------------------|-----|-------------|
| 1 | 92WF3-008 | Needle bar rocking bracket | 1 | |
| 2 | 92WF3-009 | Pin | 1 | |
| 3 | 92WF3-007 | Oil felt | 1 | |
| 4 | 199WF3-001 | Oil wick | 1 | Φ2×160 |
| 5 | 42WF3-007 | Screw | 1 | |
| 6 | 92WF3-003 | Leafspring | 1 | |
| 7 | 50WF1-001 | Needle bar | 1 | |
| 8 | 50WF3-003 | Needle bar joint | 1 | |
| 9 | 36WF3-029B | Screw | 1 | |
| 10 | 199WF3-002 | Oil wick | 1 | Φ6×20 |
| 11 | 92WF1-003 | Needle bar thread guide | 1 | |
| 12 | 22T2-017 | Screw | 1 | SM1/8"×44 |
| 13 | | Needle | 1 | DP×17 24# |
| 14 | 50WF3-030 | Guide rail | 1 | |
| 15 | 1WF1-011 | Screw | 2 | SM11/64"×40 |
| 16 | 92WF3-011 | Position plate | 1 | |
| 17 | W01111 | Screw | 2 | SM11/64"×40 |
| 18 | 92WF3-010 | Position plate | 1 | |
| 19 | 21WF1-054 | Screw | 2 | SM91/64"×40 |
| 20 | 92WF3-002A | Crank | 1 | |
| 21 | 92WF3-070 | Screw | 2 | |
| 22 | 92WF3-001 | Rocking shaft | 1 | |
| 23 | 92WF3-004 | Slide block | 1 | |
| 24 | 92WF3-002B | Pin | 1 | |
| 25 | 92WF3-005 | Front bushing | 1 | |
| 26 | 92WF3-006 | Rear bushing | 1 | |
| 27 | 92WF3-012 | Crank | 1 | |
| 28 | 52WF1-050 | Screw | 1 | |
| 29 | 92WF3-013 | Oil felt | 1 | |
| 30 | 2KT-001A | Band | 1 | |
| 31 | 92WF3-007 | Oil felt | 1 | |
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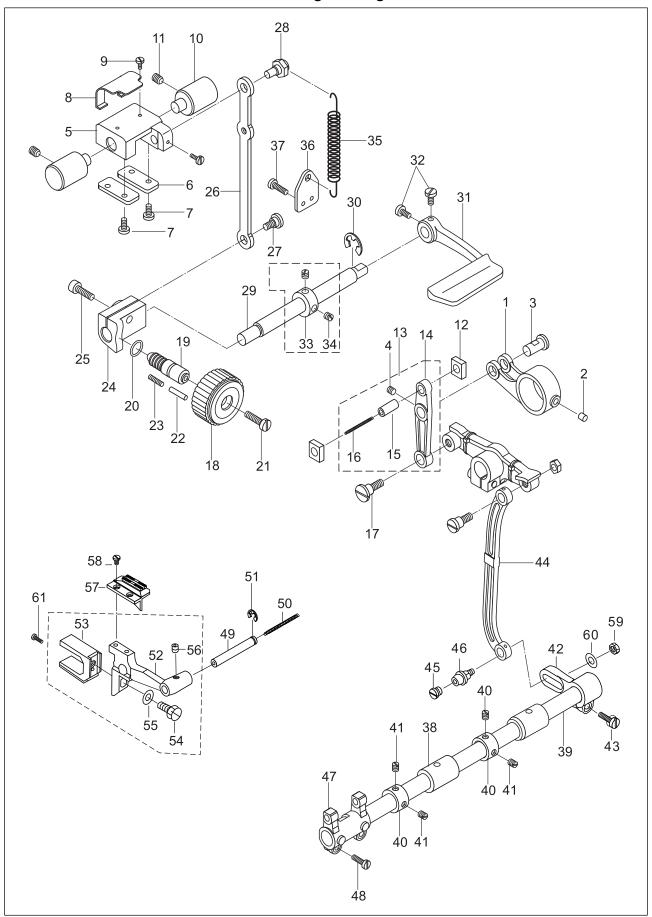
| No <u>.</u> | Part Number | Name | Qt. | Remark |
|-------------|-------------|--------------------------|-----|-------------|
| 1 | 119WF7-017A | Dial | 1 | |
| 2 | 119WF7-017B | Bushing | 1 | |
| 3 | 119WF7-019 | Bushing | 1 | |
| 4 | 119WF7-018 | Shaft | 1 | |
| 5 | 994131 | Pin | 1 | |
| 6 | 93WF8-002 | Spring | 1 | |
| 7 | 302395 | Screw | 1 | |
| 8 | 92WF3-018 | Shaft | 1 | |
| 9 | 92WF3-019 | Crank | 1 | |
| 10 | 2KT5-027 | Screw | 2 | SM1/4"×40 |
| 11 | 199WF4-001 | Front bushing | 1 | |
| 12 | 1WF5-019 | Screw | 1 | SM15/64"×28 |
| 13 | 92WF2-029 | Rubber plug | 1 | |
| 14 | 92WF3-021 | Rear bushing | 1 | |
| 15 | 92WF3-022 | Collar | 1 | |
| 16 | 22T3-002B2 | Screw | 2 | SM1/4"×40 |
| 17 | 92WF3-023 | Walking foot | 1 | |
| 18 | 50WF3-020 | Screw | 1 | |
| 19 | 50WF3-018 | Walking foot lifting bar | 1 | |
| 20 | 92WF3-024 | Spring guide bar assy | 1 | |
| 21 | 50WF3-032 | Spring | 1 | |
| 22 | 6K1-048 | Regulating screw | 1 | SM15/64"×28 |
| 23 | 50WF3-027 | Link | 1 | |
| 24 | 50WF3-028 | Felt | 1 | |
| 25 | 50WF3-029 | Slide block | 1 | |
| 26 | 20T4-006 | Screw | 1 | SM11/64"×40 |
| 27 | 92WF3-025 | Lifting plate | 1 | |
| 28 | 92WF3-026 | Link | 1 | |
| 29 | 92WF3-027 | Oil felt | 1 | |
| 30 | 2KT7-001A | Band | 2 | |
| 31 | 92WF3-028 | Screw | 2 | |
| 32 | 119WF7-011 | Link | 2 | |
| 33 | 994118 | Pin shaft | 2 | |
| 34 | 22WF3-005 | Presser bar | 1 | |
| 35 | 92WF4-001 | Presser foot | 1 | |
| 36 | 92WF4-002 | Finger guard | 1 | |
| 37 | 22WF3-014 | Screw | 1 | SM9/64"×40 |
| 38 | 02WF4-003 | Regulating bolt | 1 | SM1/2"×28 |
| 39 | 1KT4-002 | Nut | 1 | SM1/2"×28 |
| 40 | 92WF4-023 | Spring | 1 | |
| 41 | 92WF4-004 | Foot lift lever | 1 | |
| 42 | 92WF4-005 | Lift lever shaft | 1 | |



| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|-------------------|-----|----------------|
| 43 | 92WF4-006 | Bracket | 1 | |
| 44 | 1WF1-011 | Screw | 1 | SM11/64"×40 |
| 45 | 92WF4-007 | Screw | 1 | |
| 46 | 50WF3-029 | Slide block | 1 | |
| 47 | 92WF4-008 | Washer | 1 | |
| 48 | 92WF4-009 | Releasing plate | 1 | |
| 49 | 50WF4-013 | Spring | 1 | |
| 50 | 50WF4-014 | Screw | 1 | |
| 51 | 92WF4-010 | Guide plate | 1 | |
| 52 | 92WF4-011 | Washer | 1 | |
| 53 | 60WF4-003 | Screw | 1 | SM15/64"×28 |
| 54 | 52WF3-027 | Screw | 1 | SM15/64"×28 |
| 55 | 119WF7-001 | Adjusting bracket | 1 | |
| 56 | 6K2-043 | Screw | 4 | |
| 57 | 119WF7-003 | Shaft | 1 | |
| 58 | 119WF7-004 | Crank | 1 | |
| 59 | 119WF7-005 | Screw | 1 | |
| 60 | 72WF5-021 | Screw | 1 | |
| 61 | 119WF7-002 | Bushing | 1 | |
| 62 | 92WF3-037 | Shaft | 1 | |
| 63 | 1WF5-019 | Screw | 1 | SM15/64"×28 |
| 64 | 119WF7-012 | Retaining plate | 1 | |
| 65 | | Screw | 1 | GB/T819.2 M5×8 |
| 66 | 119WF7-014 | Connecting plate | 2 | |
| 67 | 119WF7-015 | Screw | 2 | |
| 68 | | Retaining ring | 2 | GB896 5 |
| 69 | 119WF7-016 | Hanger | 1 | |
| 70 | 50WF3-089 | Screw | 1 | |
| 71 | 119WF7-009 | Crank | 1 | |
| 72 | 80WF6-025 | Screw | 1 | |
| 73 | 119WF7-008B | Link | 1 | |
| 74 | | Retaining ring | 1 | GB896 8 |
| 75 | 119WF7-010 | Screw | 1 | |
| 76 | 119WF7-008A | Link | 1 | |
| 77 | 119WF7-007 | Needle bearing | 1 | |
| 78 | 21WF1-022 | Screw | 1 | |
| 79 | 119WF7-008C | Pin shaft | 1 | |
| 80 | 119WF7-013 | Spring | 1 | |
| 81 | 50WF4-001 | Bushing | 1 | |
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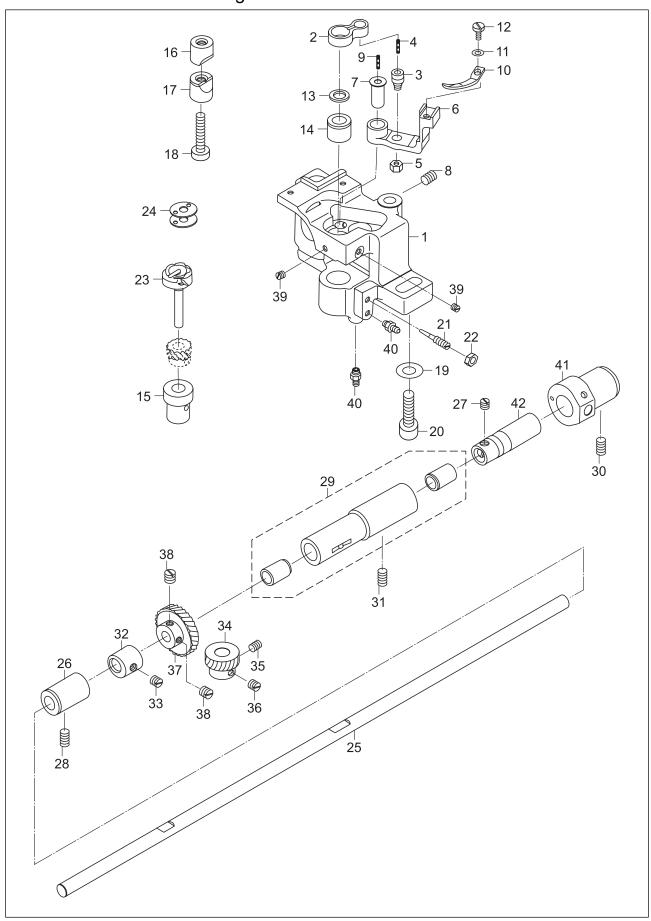


| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|--------------------------|-----|-------------|
| 1 | 92WF3-031 | Feed link | 1 | |
| 2 | 92WF3-032 | Oil felt | 1 | |
| 3 | 92WF-033 | Pin | 1 | |
| 4 | 6K2-043 | Screw | 1 | M5 |
| 5 | 92WF3-034 | Reverse feed bracket | 1 | IVIO |
| 6 | 92WF3-035 | Retaining plate | 2 | |
| 7 | 1WF1-011 | Screw | 4 | |
| 8 | 92WF3-036 | Presser plate | 1 | |
| 9 | 16WF1-059 | Screw | 2 | SM9/64"×40 |
| 10 | 92WF3-037 | Shaft | 2 | |
| 11 | 1WF5-019 | Screw | 2 | SM15/64"×28 |
| 12 | 92WF3-038 | Slide block | 2 | |
| 13 | 92WF3-039 | Feed rocking bar assy | 1 | |
| 14 | 92WF3-039A | Feed rocking bar | 1 | |
| 15 | 92WF3-039B | Pin | 1 | |
| 16 | 199WF3-003 | Oil wick | 1 | Φ1.5×35 |
| 17 | 92WF3-040 | Screw | 1 | |
| 18 | 92WF3-041 | Stitch regulating dial | 1 | |
| 19 | 92WF3-042 | Screw | 1 | |
| 20 | 92WF3-043 | Seal ring | 1 | |
| 21 | 92WF3-044 | Screw | 1 | SM3/16"×28 |
| 22 | 17WF4-035 | Pin | 1 | |
| 23 | 50WF3-058 | Spring | 1 | |
| 24 | 92WF3-045 | Holder | 1 | |
| 25 | 6K2-024 | Screw | 1 | M6 |
| 26 | 92WF3-046 | Link | 1 | |
| 27 | 92WF3-047 | Screw | 1 | |
| 28 | 92WF3-048 | Eccentric pin | 1 | |
| 29 | 92WF3-049 | Reverse feed lever shaft | 1 | |
| 30 | 92WF3-071 | Retaining ring | 1 | GB896 9 |
| 31 | 92WF3-050 | Reverse feed lever | 1 | |
| 32 | 92WF3-051 | Screw | 2 | |
| 33 | 92WF3-052 | Collar | 1 | |
| 34 | 22T3-002B2 | Screw | 2 | SM1/4"×40 |
| 35 | 92WF3-053 | Spring | 1 | |
| 36 | 92WF3-054 | Spring hook | 1 | |
| 37 | 1WF3-009 | Screw | 2 | SM11/64"×40 |
| 38 | 92WF3-021 | Feed shaft bushing | 2 | |
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| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|-------------------|-----|-------------|
| 39 | 92WF3-055 | Feed shaft | 1 | |
| 40 | 92WF3-022 | Feed shaft collar | 2 | |
| 41 | 22T3-002B2 | Screw | 4 | SM1/4"×40 |
| 42 | 119WF3-001 | Driving crank | 1 | |
| 43 | 41WF3-018 | Screw | 1 | SM3/16"×28 |
| 44 | 92WF3-058 | Link | 1 | |
| 45 | 119WF3-003 | Screw | 1 | |
| 46 | 119WF3-002 | Screw | 1 | |
| 47 | 92WF3-060 | Feed crank | 1 | |
| 48 | 1WF3-009 | Screw | 2 | SM11/64"×40 |
| 49 | 92WF3-061 | Pin | 1 | |
| 50 | 199WF3-004 | Oil wick | 1 | Φ2.5×120 |
| 51 | 92WF3-072 | Retaining ring | 1 | GB896 5 |
| 52 | 199WF3-005 | Feed dog support | 1 | |
| 53 | 199WF3-006 | Lifting fork | 1 | |
| 54 | 42WF1-008 | Screw | 1 | SM15/64"×28 |
| 55 | 41WF1-009 | Washer | 1 | |
| 56 | 80WF6-036 | Screw | 1 | |
| 57 | 199WF3-007 | Feed dog | 1 | |
| 58 | 199WF3-008 | Screw | 2 | |
| 59 | 22WF3-004 | Nut | 1 | |
| 60 | 71WF3-058 | Washer | 1 | |
| 61 | 13WF6-008 | Screw | 1 | |
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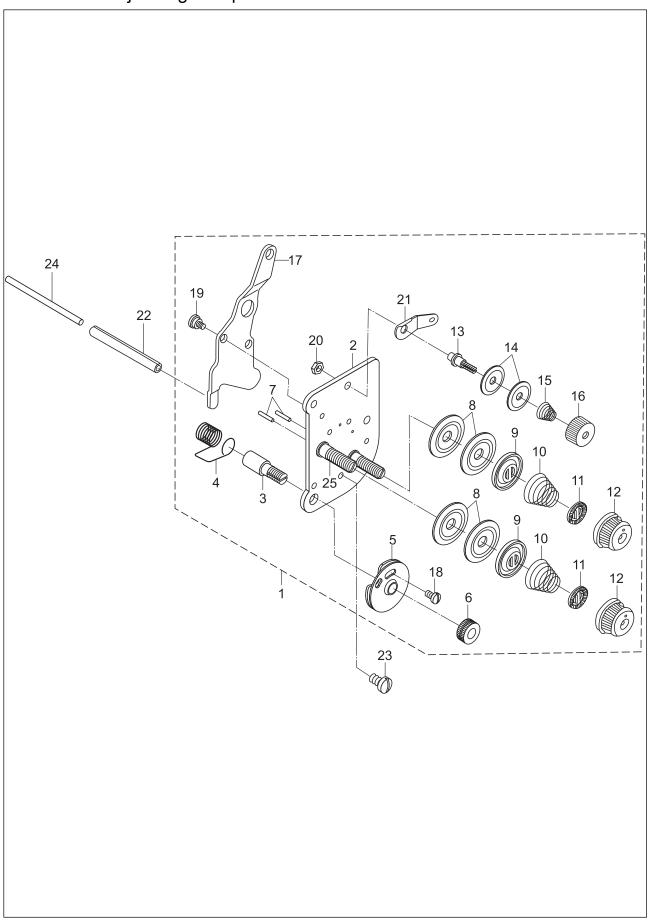
6. Lower shaft and rotating hook



6. Lower shaft and rotating hook

| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|------------------------------|-----|-----------------|
| 1 | 199WF1-027 | Rotating hook base | 1 | |
| 2 | 199WF1-028 | Thread opener link | 1 | |
| 3 | 199WF1-029 | Pin | 1 | |
| 4 | 199WF1-030 | Oil wick | 1 | Ф3×15 |
| 5 | 27WF4-008 | Nut | 1 | |
| 6 | 199WF1-031 | Thread opener supporter | 1 | |
| 7 | 199WF1-032 | Shaft | 1 | |
| 8 | 52WF2-030 | Screw | 1 | SM11/64"×40 |
| 9 | 199WF1-033 | Oil wick | 1 | Ф3×20 |
| 10 | 199WF1-034 | Thread opener | 1 | |
| 11 | 36WF1-042 | Washer | 1 | |
| 12 | 21WF2-038 | Screw | 1 | SM9/64"×40 |
| 13 | 199WF1-035A | Adjusting washer | 1 | |
| 14 | 199WF1-036 | Upper bushing, rotating hook | 1 | |
| 15 | 199WF1-037 | Lower bushing, rotating hook | 1 | |
| 16 | 199WF1-038 | Block A | 1 | |
| 17 | 199WF1-039 | Block B | 1 | |
| 18 | 1WF2-060 | Bolt | 1 | |
| 19 | 199WF1-040 | Washer | 1 | |
| 20 | | Bolt | 1 | GB/T 70.1 M8×40 |
| 21 | 92WF1-031 | Screw | 1 | |
| 22 | 27WF4-008 | Nut | 1 | |
| 23 | 199WF1-041 | Rotating hook assy | 1 | |
| 24 | 1WF2-065 | Bobbin | 1 | |
| 25 | 199WF1-042 | Lower shaft | 1 | |
| 26 | 199WF1-043 | Front bushing, lower shaft | 1 | |
| 27 | 1WF2-009 | Screw | 1 | SM1/4"×40 |
| 28 | 17WF4-016 | Screw | 1 | SM15/64"×28 |
| 29 | 199WF1-044 | Middle bushing assy | 1 | |
| 30 | 17WF4-016 | Screw | 1 | SM15/64"×28 |
| 31 | 17WF4-016 | Screw | 1 | SM15/64"×28 |
| 32 | 199WF1-045 | Feed dog lifting cam | 1 | |
| 33 | 661012 | Screw | 1 | SM15/64"×28 |
| 34 | 199WF1-046 | Rotating hook shaft gear | 1 | |
| 35 | 21WF1-033 | Screw | 1 | SM1/4"×40 |
| 36 | 21WF1-043 | Screw | 1 | SM1/4"×40 |
| 37 | 199WF1-047 | Lower shaft gear | 1 | |
| 38 | 1WF2-010 | Screw | 2 | SM1/4"×40 |
| 39 | 36WF5-021 | Screw | 2 | SM11/64"×40 |
| 40 | 199WF1-048 | Oil tube connector | 2 | |
| 41 | 199WF1-049 | Bushing | 1 | |
| 42 | 199WF1-050 | Shaft | 1 | |

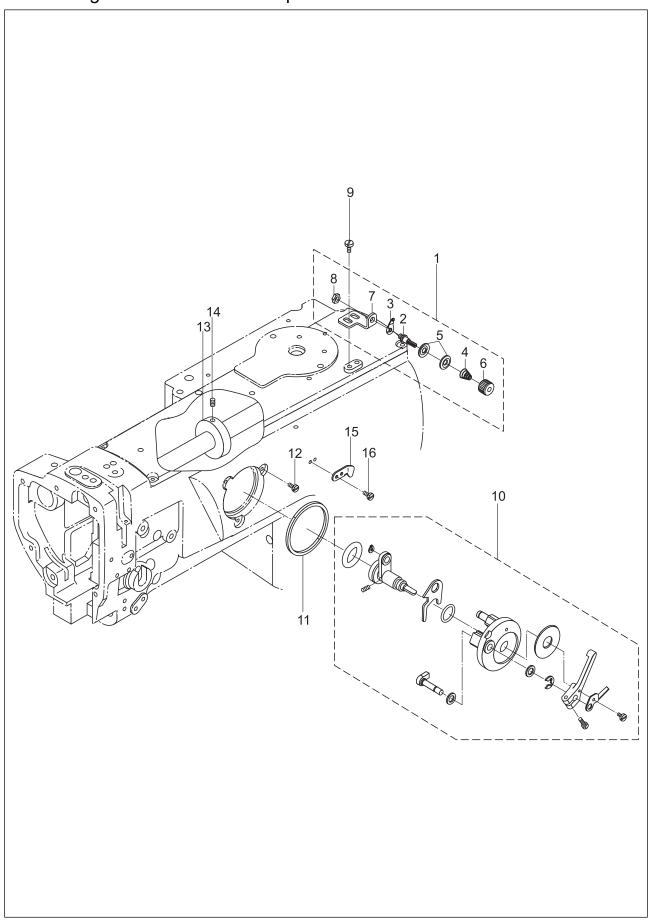
7. Tension adjusting components



7. Tension adjusting components

| No. | Part Number | Name | Qt. | Remark |
|-----|--------------|---------------------------|-----|-----------------|
| 1 | 119WF2-005 | Thread tenssion assy | 1 | |
| 2 | 119WF2-005A | Setting plate | 1 | |
| 3 | 92WF2-018C | Thread take-up spring pin | 1 | |
| 4 | 92WF2-018B | Thread take-up spring | 1 | |
| 5 | 16WF2-046A8 | Plate | 1 | |
| 6 | 16WF2-046A11 | Thumb nut | 1 | |
| 7 | 21WF4-024 | Thread release pin | 1 | |
| 8 | 22T1-012F5 | Tension disc | 2 | |
| 9 | 22T1-012F4 | Plate | 2 | |
| 10 | 21WF4-031 | Spring | 1 | |
| 11 | 153209 | Retainer | 1 | |
| 12 | 21WF4-030 | Nut | 1 | |
| 13 | 92WF2-021A1 | Bolt | 1 | |
| 14 | 50WF2-035A4 | Tension disc | 2 | |
| 15 | 50WF3-035A3 | Spring | 1 | |
| 16 | 50WF2-035A5 | Thumb nut | 1 | |
| 17 | 119WF2-005B | Plate | 1 | |
| 18 | 16WF2-046A9 | Screw | 1 | |
| 19 | 16WF2-046A15 | Screw | 2 | |
| 20 | 13WF2-052 | Nut | 1 | |
| 21 | 50WF2-035A2 | Thread guide | 1 | |
| 22 | | Pin | 1 | GB/T 879.1 6×50 |
| 23 | 1WF1-011 | Screw | 1 | SM11/64"×40 |
| 24 | 92WF2-020 | Pin | 1 | |
| 25 | 21WF4-020 | Bolt | 1 | |
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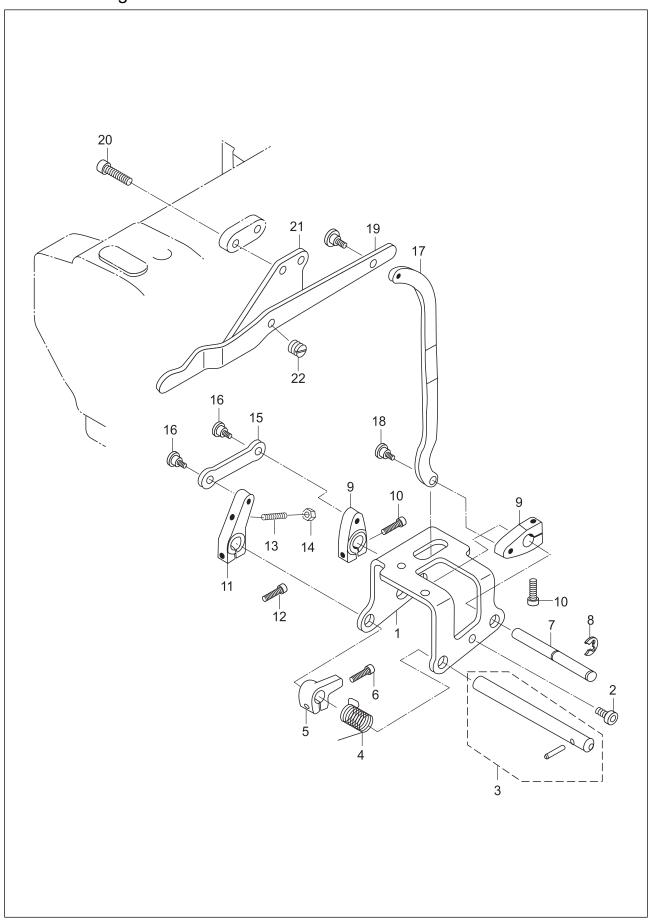
8. Winding & small tension components



8. Winding & small tension components

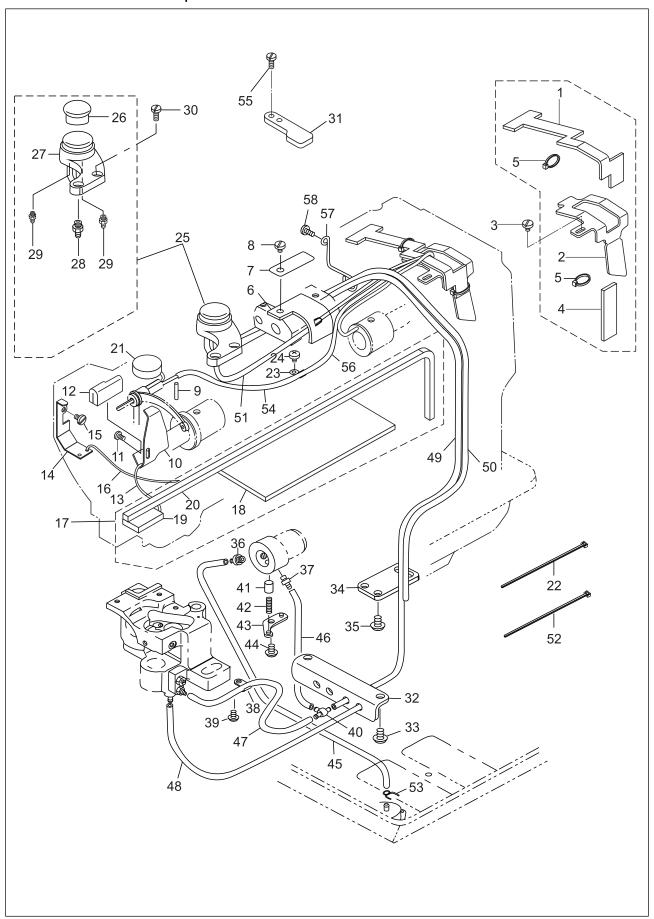
| Part Number | Name | Qt. | Remark |
|-------------|--|--|---|
| 92WF2-021 | Small tension assy | 1 | |
| 92WF2-021A | Bolt | 1 | |
| 50WF2-035A2 | Thread guide | 1 | |
| 50WF2-035A3 | | 1 | |
| 50WF2-035A4 | Tension disc | 2 | |
| 50WF2-035A5 | Thumb nut | 1 | SM11/64"×40 |
| 92WF2-021B | | 1 | |
| 2KT5-026 | Nut | 1 | SM11/64"×40 |
| 13WF2-040 | Screw | 2 | M4 |
| 92WF2-025 | Thread winding assy | 1 | |
| 92WF2-026 | Friction ring | 1 | |
| 92WF2-027 | Screw | 3 | SM11/64"×40 |
| 92WF2-035 | Friction wheel | 1 | |
| 6K2-043 | Screw | 2 | |
| 92WF2-036 | Cutter | 1 | |
| 36WF2-031 | Screw | 2 | |
| | | | |
| | 92WF2-021 92WF2-021A 50WF2-035A2 50WF2-035A3 50WF2-035A4 50WF2-035A5 92WF2-021B 2KT5-026 13WF2-040 92WF2-025 92WF2-026 92WF2-027 92WF2-035 6K2-043 92WF2-036 | 92WF2-021 Small tension assy 92WF2-021A Bolt 50WF2-035A2 Thread guide 50WF2-035A4 Tension disc 50WF2-035A5 Thumb nut 92WF2-021B Setting plate 2KT5-026 Nut 13WF2-040 Screw 92WF2-025 Thread winding assy 92WF2-026 Friction ring 92WF2-027 Screw 92WF2-035 Friction wheel 6K2-043 Screw 92WF2-036 Cutter | 92WF2-021 Small tension assy 1 92WF2-021A Bolt 1 50WF2-035A2 Thread guide 1 50WF2-035A3 Spring 1 50WF2-035A4 Tension disc 2 50WF2-035A5 Thumb nut 1 92WF2-021B Setting plate 1 2KT5-026 Nut 1 13WF2-040 Screw 2 92WF2-025 Thread winding assy 1 92WF2-026 Friction ring 1 92WF2-035 Friction wheel 1 6K2-043 Screw 2 92WF2-036 Cutter 1 |

9. Knee lifting mechanisms

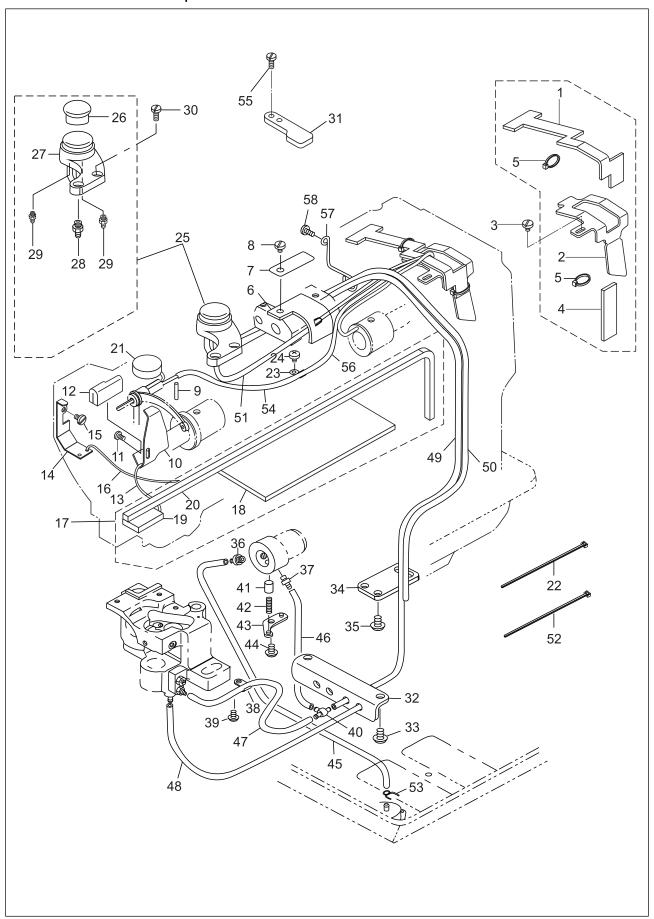


9. Knee lifting mechanisms

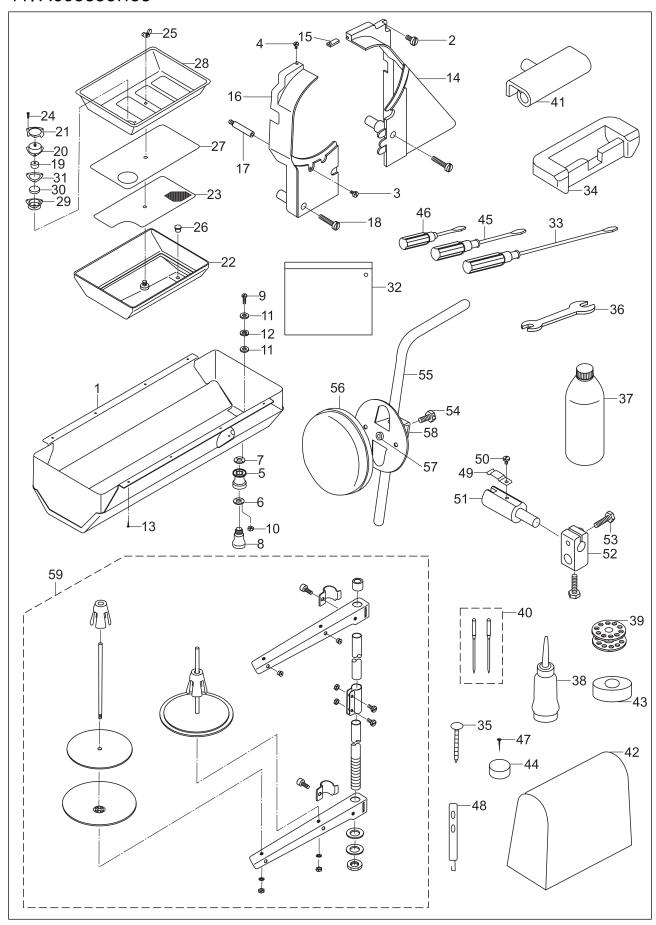
| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|------------------|-----|--------------|
| 1 | 199WF5-001 | Bracket | 1 | |
| 2 | 52WF5-003 | Screw | 3 | M6 |
| 3 | 199WF5-002 | Shaft assy | 1 1 | |
| 4 | 199WF5-003 | Twist spring | 1 | |
| 5 | 199WF5-004 | Crank | 1 | |
| 6 | B188004 | Screw | 1 | GB70-85 M5×6 |
| 7 | 199WF5-005 | Shaft | 1 | |
| 8 | | Retaining ring | 1 | |
| 9 | 199WF5-006 | Crank | 2 | |
| 10 | B188004 | Screw | 2 | GB70-85 M5×6 |
| 11 | 199WF5-007 | Driving crank | 1 | |
| 12 | B188004 | Screw | 1 | GB70-85 M5×6 |
| 13 | 199WF5-008 | Bolt | 1 | |
| 14 | 72WF5-022 | Nut | 1 | M5 |
| 15 | 199WF5-009 | Link | 1 | |
| 16 | 92WF4-016 | Screw | 2 | |
| 17 | 199WF5-010 | Link | 1 | |
| 18 | 92WF4-016 | Connecting screw | 2 | |
| 19 | 92WF4-013 | Knee lift lever | 1 | |
| 20 | 72WF-009 | Screw | 1 | |
| 21 | 92WF4-012 | Settting plate | 1 | |
| 22 | 92WF4-014 | Screw | 1 | |
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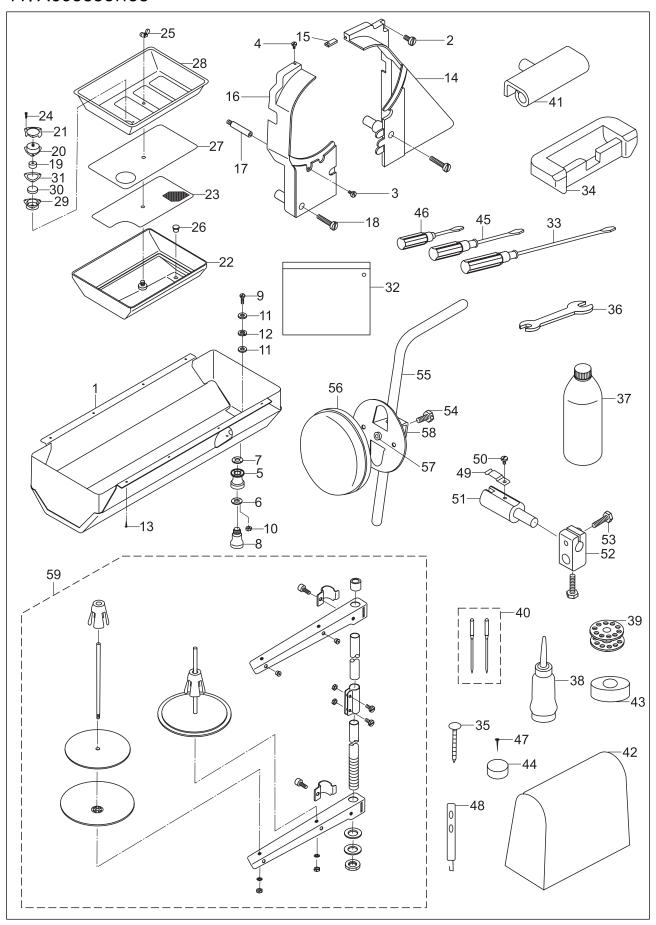
| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|---------------|-----|-------------|
| 1 | 92WF5-001 | Oil felt | 1 | |
| 2 | 92WF5-002 | Bracket | 1 | |
| 3 | 1WF1-011 | Screw | 1 | SM11/64"×40 |
| 4 | 92WF5-003 | Oil felt | 1 | |
| 5 | 2KT7-001A | Band | 2 | |
| 6 | 119WF5-003 | Oil felt | 1 | |
| 7 | 119WF5-001 | Plate | 1 | |
| 8 | 119WF5-002 | Screw | 1 | |
| 9 | 92WF5-010 | Oil felt | 1 | |
| 10 | 92WF5-011 | Oil shield | 1 | |
| 11 | 16WF1-059 | Screw | 1 | SM9/64"×40 |
| 12 | 92WF5-012 | Oil felt | 1 | |
| 13 | | Oil wick | 1 | Φ2×250 |
| 14 | 92WF5-013 | Oil shield | 1 | |
| 15 | 36WF1-031D | Screw | 1 | SM11/64"×40 |
| 16 | | Oil wick | 1 | Φ2×250 |
| 17 | 92WF5-014 | Oil felt assy | 1 | |
| 18 | 92WF5-014A | Felt | 1 | |
| 19 | 92WF5-014B | Felt | 1 | |
| 20 | 92WF5-014C | Oil wick | 1 | |
| 21 | 92WF5-009 | Felt | 1 | |
| 22 | 2KT7-001A | Band | 1 | |
| 23 | 1WF6-036 | Clip | 1 | |
| 24 | 17WF1-020 | Screw | 1 | SM11/64"×40 |
| 25 | 199WF6-001 | Oil box assy | 1 | |
| 26 | 199WF6-001A | Oil window | 1 | |
| 27 | 199WF6-001B | Oil box | 1 | |
| 28 | 199WF6-002 | Connector | 1 | |
| 29 | 199WF1-048 | Connector | 2 | |
| 30 | 1WF5-042 | Screw | 2 | SM11/64"×40 |
| 31 | 92WF5-004 | Plate | 1 | |
| 32 | 199WF6-003 | Bracket | 1 | |
| 33 | 27WF5-005 | Screw | 2 | SM15/64"×28 |
| 34 | 199WF6-004 | Supporter | 1 | |
| 35 | 27WF5-005 | Screw | 2 | SM15/64"×28 |
| 36 | 199WF6-005 | Connector | 1 | |
| 37 | 199WF1-048 | Connector | 1 | |
| 38 | 1WF6-036 | Clip | 1 | |
| | | | | |



| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|----------------|-----|---------------------|
| 39 | 17WF1-020 | Screw | 1 | SM11/64"×40 |
| 40 | 1WF6-029 | Tube connector | 1 | |
| 41 | 199WF6-007 | Plug | 1 1 | |
| 42 | 199WF6-008 | Spring | 1 | |
| 43 | 199WF6-009 | Plate | 1 | |
| 44 | 17WF1-020 | Screw | 1 | SM11/64"×40 |
| 45 | 199WF6-010 | Oil tube | 1 | Φ 5×1 L=370 |
| 46 | 199WF6-011 | Oil tube | 1 | Φ 5×1 L=80 |
| 47 | 199WF6-012 | Oil tube | 1 | Φ 5×1 L=220 |
| 48 | 199WF6-013 | Oil tube | 1 | Φ 5×1 L=300 |
| 49 | 199WF6-014 | Oil tube | 1 | Φ 5×1 L=610 |
| 50 | 199WF6-015 | Oil tube | 1 | Φ 5×1 L=500 |
| 51 | 199WF6-016 | Oil tube | 1 | Φ 5×1 L=200 |
| 52 | 2KT5-001A | Band | 11 | |
| 53 | 199WF6-017 | Clip | 1 | |
| 54 | 199WF6-018 | Oil tube | 1 | Φ 5×1 L=225 |
| 55 | W01111 | Screw | 2 | |
| 56 | 199WF6-019 | Oil wick | 1 | $\Phi 5 \times 480$ |
| 57 | 199WF6-020 | Setting hook | 1 | |
| 58 | 36WF4-017 | Screw | 1 | |
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| 3 4 5 6 7 | 199WF7-001 21WF3-012 42WF2-008 2KT6-012 92WF6-018 92WF6-020 92WF6-019 | Big oil pan Screw Screw Screw Oil bolt Washer | 1 1 1 1 | SM15/64"×28 SM11/64"×40 SM11/64"×40 |
|----------------------------|---|--|------------------|---|
| 2 3 4 5 6 7 | 42WF2-008 2KT6-012 92WF6-018 92WF6-020 92WF6-019 | Screw Screw Screw Oil bolt Washer | 1 1 | SM11/64"×40 |
| 4 5 6 7 | 2KT6-012 92WF6-018 92WF6-020 92WF6-019 | Screw Oil bolt Washer | 1 | |
| 5 6 7 | 92WF6-018 92WF6-020 92WF6-019 | Oil bolt Washer | | SM11/64" × 40 |
| 6 7 | 92WF6-020 92WF6-019 | Washer | 1 | , JIVI 1/07 ATO |
| 7 | 92WF6-019 | | | |
| | | | 1 | |
| 8 | 0004/50 007 | Seal | 1 | |
| 0 | 92WF6-027 | Waste oil pot | 1 | |
| 9 | | Screw | 4 | GB/T818 M3×14 |
| 10 | | Nut | 4 | GB/T6170 M3 |
| 11 | 92WF6-023 | Spacer | 8 | |
| 12 | | Washer | 4 | GB/T95 M3 |
| 13 | | Wood screw | 8 | GB99 2.5×16 |
| 14 | 92WF6-013B | Belt cover | 1 | |
| 15 | 92WF6-013C | Connector | 1 | |
| 16 | 92WF6-013A | Belt cover | 1 | |
| 17 | 92WF6-016 | Supporting pole | 1 | |
| 18 | 1WF2-060 | Screw | 2 | SM15/64"×28 |
| 19 | 199WF7-002 | Filter element | 1 | |
| 20 | 199WF7-003 | Сар | 1 | |
| 21 | 199WF7-004 | Fix piece | 1 | |
| 22 | 199WF7-005 | Small oil pan | 1 | |
| 23 | 199WF7-006 | Supporter | 1 | |
| 24 | | Screw | 3 | GB/T65 M2×10 |
| 25 | | Screw | 1 | GB62 M5 |
| 26 | 199WF7-007 | Plug | 1 | |
| 27 | 199WF7-008 | Filter | 1 | |
| 28 | 199WF7-009 | Tray | 1 | |
| 29 | 199WF7-010 | Case | 1 | |
| 30 | 199WF7-011 | Magnet | 1 | |
| 31 | 199WF7-012 | Seal | 1 | |
| 32 | 33TF-010 | Accessories bag | 1 | |
| 33 | 33TF-012 | Screwdriver | 1 | |
| 34 | 22T9-007F2 | Hinge cushion | 1 | |
| 35 | | Nail | 8 | 3/4 |
| 36 | 92WF6-028 | Wrench | 1 | |
| 37 | 1F-009 | Big oil pot | 1 | |
| 38 | 33TF-011 | Small oil pot | 1 | |



| No. | Part Number | Name | Qt. | Remark |
|-----|-------------|--------------------|-----|----------------|
| 39 | 1WF2-065 | Bobbin | 3 | |
| 40 | | Needle | 3 | DP×17 24# |
| 41 | 22T9-007F1 | Hinge | 2 | |
| 42 | 13F-002 | Machine head cover | 1 | |
| 43 | 92WF6-025 | Cushion | 1 | |
| 44 | 92WF6-026 | Oil felt | 4 | |
| 45 | 33TF-013 | Screwdriver | 1 | |
| 46 | 33TF-014 | Screwdriver | 1 | |
| 47 | | Nail | 1 | SG162 L=19 |
| 48 | 92WF2-037 | Thread finger | 1 | |
| 49 | 199WF7-014 | Leafspring | 1 | |
| 50 | 21WF7-015 | Screw | 1 | SM9/64"×40 |
| 51 | 199WF7-015 | Connector | 1 | |
| 52 | 199WF7-016 | Crank | 1 | |
| 53 | | Screw | 2 | GB/T5781 M6×25 |
| 54 | 22T9-003B7 | Screw | 1 | |
| 55 | 199WF7-017 | Lever | 1 | |
| 56 | 22T9-003B8 | Cushion | 1 | |
| 57 | 22T9-003B5 | Connector | 1 | |
| 58 | 22T9-003B6 | Holder | 1 | |
| 59 | 33TF-019 | Thread stand assy | 1 | |
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