User's Manual and Spare Parts Book



GF-1118 Series



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1) TECHNICAL SPECIFICATION

Model	Usage I	Max speed	Max stitch length	Needle system & size	Presser foot (manual/knee)
GF-1116-143 LM	light-medium	4.500	5mm	134R(70-110)	4/10mm
GF-1116-147 LM	light-medium	4.500	5mm	134R(70-110)	4/10mm
GF-1117-143 MH	medium-heavy	3.500	5mm	134R(100-130)	5.5/13mm
GF-1117-443 H	heavy	3.000	5mm	134R(110-160)	5.5/13mm
GF-1117-447 H	heavy	3.000	5mm	134R(110-160)	5.5/13mm
GF-1118-143 LM	light-medium	4.500	5mm	134R(70-110)	4/10mm
GF-1118-147 LM	light-medium	4.500	5mm	134R(70-110)	4/10mm

General description and usage:

GF- 1116 series - single needle high-speed industrial sewing machines with lower drop feed. GF-1117,1118 series - single needle high-speed industrial sewing machines with needle feed. The characteristic feature is pressure lubrication. Machines are designed for sewing clothes and garments.





GF-1118 series

ANITA ©	
Caution 3) <u>INSTALL</u>	d. Finger guard: A . ATION
	/

Warning The machine must be installed by a trained technician only. Any electical wiring must be performed by a qualified technician or agent. The machines weigh over 33 kg. As such, two or more people should carry out the installation. Plug in only after the installation is complete. If the operator mistakenly steps down on the pedal with the plug in, the machine will start automatically and can cause physical injuries. Connect the ground (earth) wire. An unstable connection may result in an electric shock or a malfunction. Use both hands when bending the machine backward or returning it to the normal position. Using only one hand can lead to physical injuries due to the weight of the machine. 3.1) Before Use A: Motor must not be switched on while the pedal is in pressure B: When you finish operation, always turn off the main switch C: During any adjustment, repair or needle xchange make sure that the machine is turned off D: Make sure that ground connection is properly installed E: Dont use too many connections on one source F: Keep safety distance from sources of noise G: Before manipulation with motor, wait several minutes after being switched off H: If system error is detected, indentify type of error, remove it and then switch on the machine Check carefully proper connection of all connectors and cables I: Check tension of V-belt according to instructions J: K: During installation of new machine or machine which has not been used for long time, apply repeatedly oil on indicated places of thread take up lever, presser bar and needle bar (Fig 0) Keep machine going for about 10 minutes at speed 3.000 spm to test it, checking the oil level L: M: After initial testing of the machine, set the speed lower than 3.000 spm for the first 4-5 days.

device built to keep fingers away from the needle



(Fig. 0)

3.2) Machine head

Insert the head hinge (1) into the bed holes and fit it to the rubber hinge (2). Then stand it on the rubber cushions (3) in the four corners. (See Fig.1)



3.3) Chip discharge plate (GF-1116/1118 serie)

Use the chip discharge plate installation guidelines included in the accessory box to attach the plate to the bottom of the table as in the figure. (See Fig.2)



3.4) Resistance box for knee-lifting solenoid

Installation:

- a) Attach the resistance box around the motor under the table.
- b) Connect the connector from the solenoid to the resistance box as shown in Fig. 3, and then connect the line from the resistance box to the control box.



- ▶ Plug in only after oil supply is finished. If the operator mistakenly steps on the pedal with the plug in, the machine will start automatically and can cause severe injuries.
- ► When handling lubricants, wear protective glasses or gloves to avoid contact with your eyes or skin. Inflammation may be caused otherwise. Never drink lubricants since they can cause vomiting or diarrhea. Keep out of the reach of children.
- ► Operate the machine only after adding oil when the machine is being used for the first time or has been left unused for a long time.

3.5) Lubrication

1. Installing Magnetic Chip Remover

A. Attach the magnetic chip remover that is in the accessory box to the oil pump inside the bed.





3.8) Belt Cover

1. Use the clamp screws (2) in the machine body and the washer (3) to fasten the belt cover "A" (1). Installation of the belt cover will be easier if the sewing machine is laid down to an appropriate degree. (See Fig. 9)



GF-1118 series

Adjust the up-stop position of the needle such that the white carved sign on the pulley (3) is in a straight line with the carved sign on the arm (4) when the needle has stopped in the air. That adjustment can be made by loosening the pulley's clamp screw (1) on the side with N . U carved signs and moving it sideways. Adjust the down-stop position of the needle such that the needle is on the point of moving up when the needle bar is at the lowest point. This adjustment can be made by loosening the pulley's clamp screw (2) on the side with N . D carved signs and moving it sideways. (See Fig. 12 & 13)



operation timing of the trimmer. (See Fig. 14)

(Refer to the explanation about the Adjustment of Location Detector on this page no. 11)



3.12) Back Tack Button

Pressing the back tack button of reverse button (1) during forward sewing will start reverse sewing immediately. When you stop the machine and restart it by stepping down on the pedal with the reverse button (1) already pressed down, you can perform reverse sewing from the beginning. When the machine is in a "stop" mode, you can change the up-down position of the needle bar by pressing the reverse button. Lightly pressing the button once when the needle is in a down-stop position will stop the needle bar in a high position. Pressing the reverse button twice within less than a second when it is in an up-stop position will stop the needle bar in a low position. In short, the button delivers two functions: one for reverse sewing and the other for converting vertical position of the needle. (See Fig. 14)

4) CONTROL AND ADJUSTMENT OF THE MACHINE



Always turn off the power when mounting a needle. If the operator mistakenly steps on the pedal while the power is on, the machine will start automatically and can result in physical injuries. When using clutch motor, be aware that the motor will continue to rotate for a while even after the power is switched off due to inertia. Start to work on the sewing machine only after the motor has come to a complete stop.

4.1) Needle Insertion

With the needle groove (1) facing left, insert the needle tip into the upper end of the stopper hole (2) and fasten the needle with the clamp screw (3). (See Fig.15)



4.2) Needle Bar Adjustment

As is shown in Fig. 16, unscrew the rubber plugs (4) in the needle bar adjustment hole that is on the face plate and turn the pulley so that the needle bar is in a down-stop position. Then turn loose the clamp screws (5) on the needle bar handle, move the needle bar such that the lowest carved sign on the needle bar (7) is in line with the bottom of the needle bar lower bushing (6), and tighten the clamp screws of the needle bar handle. Lastly, plug in the rubber plugs (4).

4.3) Timing Adjustment of Needle and Hook

MNNN OS

As can be seen in Fig. 16, align the bottom of the needle bar bushing (6) with the hook fixed position sign (1) marked on the needle bar and loosen the three hook fixing screws (2). Turn the hook so that the edge of the hook (3) is in line with the needle center. Adjust such that the distance between the inside of the groove on the needle side and the edge of the hook (3) is 0,05 - 0,1mm, then tighten the three fixing screws (2) again.



1. Checking the oil supply level of hook

A. After racing the sewing machine for three minutes (at an appropriate speed), secure the oil flow checking paper as shown in Fig. 18 and run the machine for about five seconds. Then check the oil tape marked on the paper.

B. Check the oil supply level three times. The appropriate level of oil is when the oil level neither exceeds the maximum amount nor falls below the minimum level. (Insufficient oil would jam the hook, whereas excessive oil would contaminate the sewing material with oil.)

2. Adjustment of the Oil Supply Level

Turn the oil flow adjusting screw (1) in the lower shaft front bushing in a clockwise direction for more oil flow. Turn it counterclockwise for less oil.





(119.10)

A. After placing a bobbin (2) in a bobbin case (1), push the thread through the thread groove (3) and hook it under the tension adjusting plate spring (4). To tighten the lower thread, turn the tension adjusting screw (5) clockwise; turn it counterclockwise to loosen. Adjust the tension of the lower thread so that it will fall slowly by gravity when the bobbin case (1) is dropped while holding the end of the thread. (See Fig. 19)

B. Inserting and Removing the Bobbin CaseHold the bobbin case handle (6) and insert it into the hook. Pull the handle (6) to remove. (The bobbin (2) will fall out if the handle is let go.) (See Fig. 19)

! Caution

Turn off the power switch when routing the upper thread. If the operator mistakenly presses down on the pedal while switched on, the machine will start automatically and can cause physical injuries.

When using the clutch motor, be aware that the motor will continue to rotate for a while after the power is switched off. Start to work on the sewing machine only after the motor has come to a complete stop.

4.7) Routing Upper Thread

Place the thread take-up lever at the highest position and route the upper thread in the order indicated in Figures 20 & 21.





(Fig. 21)

4.8) Upper Thread Adjustment

1. Main thread adjustment device

The tension of the upper thread gets tighter if the tension adjusting nut (1) as in Fig. 22 is turned in a clockwise direction and it gets looser when turned in the opposite direction. The tension of the thread should differ according to the sewing conditions which depend on the material, thread, stitch length, etc. So the tension should be adjusted as seen fit for the conditions.



2. Tension adjustment of thread take up lever spring

As in Fig. 22, use a driver in the thread adjustment shaft groove (2) to adjust the spring tension. The thread take up lever spring grows tighter when the driver is turned clockwise and looser when turned counter clockwise.

3. Auxiliary thread adjuster

Turn the auxiliary thread tension adjusting nut (1) in clockwise direction to make the remaining thread length on the needle after trimming shorter and in counterclockwise direction to make it longer, as shown in Fig. 23. The appropriate length of the upper thread remaining after trimming is 30~40mm.



(Fig. 23)

4. Thread release control

The thread release takes place simultaneously with the movement of the trimming solenoid. As seen in Fig. 24, the amount of thread release is controlled by moving the fixed position of the thread release wire (2), which is connected with the clutch lever (1), left and right. Loosen the two fixing nuts (3) and pull the cable wire (2) to the left. Then fasten the nuts (3) to release the thread to a large extent. If the cable wire is pushed to the right and the nuts (3) tightened, the thread release happens on a lesser scale.

After adjustment, tighten the nuts (3) once again and check whether the opening of the thread guide plate (4) of the thread adjuster is about 0,5 - 1mm when the thread releaser is in operation. There should be no opening when the thread releaser is not in operation; the thread guide plates (4) should be touching back to back. The moving stroke of the thread release lever (1) is 11mm. Adjust such that the thread guide plate (4) do not open when the cable wire is pulled about 0-8mm and that the plates open when the cable wire is pulled about 8-11mm.



As described in Fig. 25, the tension of the presser foot will grow stronger when the tension adjusting screw (6) is turned clockwise and weaker when turned counterclockwise. Make sure to screw in the fixing nut (1) after adjustment.

4.10) Adjustment of Automatic Knee-Lifter (Optional)

An automatic knee-lifter will be attached to the sewing machine at point of delivery. The lifting amount of the presser foot when automatically lifting the knee is controlled by the automatic knee-lifting solenoid shaft crank (1). First, loosen the solenoid cover fixing screw (3) and remove the solenoid cover (2). If the solenoid shaft (5) is moved left and the fixing screw (4) is tightened when the solenoid crank shaft fixing screw (4) is loose, the lifting amount of the presser foot grows smaller. If the solenoid shaft (5) is moved to the right, the lifting amount will grow bigger. Assemble the cover back after the adjustment is completed. (The presser foot lifting amount for the automatic knee-lifter will be set to 13mm by default at point of delivery).



4.11) Stitch Length Adjustment

As is shown in Fig. 27, the number marked by the stitch adjusting dial (1) signifies the stitch length in mm units. Move the dial sideways to set it to the desired stitch length (Turn it in clockwise direction and the stitch length will decrease while turning it counterclockwise will increase the stitch length.)



4.12) Height and inclination Adjustment of Feed Dog

1. Height adjustment of the feed dog

(* For GF-1117/GF-1118 series users, the stitch length adjusting dial must be set to "0" here.)

The height of the feed dog is adjusted by moving the lifter crank (1) after the lifter crank fixing screw (2) is loosened. The standard height from the top face of the needle plate to the top of the feed dog when the stitch length dial is at its maximum and the feed dog is at its highest point is:

0,60 ~ 0,70mm for very thin materials, 0,75 ~ 0,85mm for general materials, 1,00 ~ 1,20mm for heavy materials. (See Fig. 28)



2. Inclination adjustment of the feed dog

A. To adjust the inclination of the feed dog, first loosen the feed dog support shaft fixing screw (6) in the horizontal pushing crank (4) and adjust by turning feed dog support shaft (5) up and down in the direction of the arrow with a driver. Turning the feed dog support shaft (5) clockwise will raise the front part of the feed dog, while turning it counterclockwise will lower the front part of the feed dog.



- B. The standard inclination of the feed dog is when the carved sign on the feed dog support shaft is horizontally in line with the horizontal pushing crank as in picture (B) in Fig. 29. Also, to prevent material jamming, lower the front of the feed dog as in picture (C) in Fig. 29.
- C. Adjustment of the inclination of the feed dog (3) will result in a change in the height of the feed dog, so recheck the height.

4.13) Feed Cam Adjustment

The timing of the feed dog and needle is adjusted by turning the feed cam (1) up and down. When the pulley is turned such that the feed dog is lowered so that the top of the feed dog is aligned with the top of the needle plate, the lower needle hole will come in direct line with the top of the feed dog. This is the standard position.

(For the GF-1117/GF-1118 series, the standard is when the end of the needle is in line with the top of the feed dog when the top of the feed dog is aligned in height with the top of the needle plate.)

(*For GF-1117/GF-1118 series users, the stitch length adjusting dial must be set to "0" here.)

GF-1116

A. Loosen screws (2) and (3) in feed eccetric cam (1), move the feed eccentric cam in the direction of the arrow, and firmly tighten the screws.

- B. For the standard adjustment, adjust so that the top surface of feed dog and the top end of needle eyelet are flush with the top surface of throat plate when the feed dog descends below the throat plate.
- C. To advance the feed timing in order to prevent uneven material feed, move the feed eccentric cam in the direction of the arrow.
- D. To delay the feed timing in order to increase stitch tightness, move the feed eccentric cam in the opposite direction from the arrow. (See Fig.30)



GF-1117

- A. Set the feed adjusting dial at 0 on the scale.
- B. For standard feed, loosen setscrew (1) a (2), align the tip of the needle and the top surface of the feed dog with the top surface of the throat plate when the feed dog rises above the throat plate. Then, tighten the setscrew securely. (See Fig.31)



(Fig. 31)

4.14) Adjustment of Needle Movement (GF-1117/GF-1118 series)

- 1. The standard position is when the needle feed connecting rod (2) is positioned at the carved sign marked on the horizontal pushing crank (back)(1).
- 2. To increase the feed dog movement over the needle movement, loosen nut (3) and adjust the needle feed connecting rod (4) in (a) direction and then tighten nut (3). The feed dog movement can increase about 20% in excess of the needle movement and this adjustment is especially effective for slippery material or thick material, which are susceptible to jams
- 3. In contrast, turning the needle feed connecting rod (2) in (b) direction would decrease needle movement such that it would be smaller than the feed dog movement. (See Fig 32)



4.15) Timing Adjustment of Trimmer

1. Turn the pulley (1) manually on the pulley and the carved sign (3) on the arm.



(Fig. 33)

- 2. Push the trimming lever (5) so that the thread trimming knife (7) on the hill of the movable knife (6 is about 1~1,5mm more protruded than the end point of the fixed blade (8).
- 3. Push the trimming solenoid shaft (10) manually while the trimming cam fixing screw (9) is loose. (At this point, the appropriate distance between the initial trimming cam (11) and the roller single screw (12) is 0,5mm.)



First, loosen the fixed blade tension adjusting nut (1) with a wrench box and then loosen the tension adjusting screw (2). As in Fig.36, adjust the tension adjusting screw of the fixed blade when the movable knife-edge meets the fixed knife-edge. Adjust just enough so that the knife edges meet without too much tension. After adjustment, make sure to tighten the tension adjusting nut (1) using the wrench box in the accessory box.



4.17) Replacement of Movable Knife

To change the movable knife (1), turn the pulley manually to place the needle at the highest point. Then, remove the needle plate by unfastening the two movable knife fixing screws (2) as seen in Fig. 37. Follow these instructions in reverse order to assemble.



4.18) Replacement of Fixed Blade

A. To change the fixed knife (1), loosen the inner spindle stopper fixing screw (2) as in Fig. 38, remove the washer (3) and inner spindle stopper (4), then unfasten the fixed knife fixing screw (5). Follow these instructions in reverse order to assemble.



B. If the edge of the fixed blade is worn, make sure to grind the knife edge with an oil grindstone as shown in Fig. 39.

4.19) Adjustment of Bobbin Catcher

If the trimming was done manually, stop the machine when the edge of the fixed knife meets the bobbin catcher adjustment baseline that is marked on the top. Loosen the bobbin catcher fixing screw (5) and adjust the bobbin catcher so that the contact surface of the bobbin catcher (4) lightly touches the center of the protruding part of the bobbin (1). Once the operation is completed, check to see whether the bobbin catcher springs back lightly.(See Fig.40)



GF-1118 series

4.20) Wiper Adjustment

1. GF-1117-447 H

Turn the pulley manually and stop when the white carved signs on the arm and the pulley are aligned. (Highest point of the thread take up lever.) Loosen the two wiper shaft fixing screws (1) on the wiper base and press the connecting link (2) with the hand. Then adjust the wiper shaft (3) so that the gap between the wiper and the needle is about 2mm and tighten the wiper shaft fixing screw (1). Next, loosen the wiper fixing screw (4) and adjust so that the gap between the lower end of the wiper and the needle is about 2mm, after which the wiper fixing screw (4) must be tightly fastened. (See Fig. 41 & 42)





2. GF-1116-147LM / GF-1118-147LM series

Set the stitch length adjusting dial to "2".

Turn the pulley manually and stop when the white carved signs on the arm and pulley are in a straight line. (Highest point of the thread take up lever). At this point, position the wiper so that the needle and the presser foot are about 2mm apart and then fix the position. (See Fig.43)



(Fig. 43

4.21) Knife Adjustment (GF-1116-147 LM / GF-1118-147 LM)

1. Adjusting the height of the knife



- A. The knife (2) is operated by the lever (1) at the center of the sewing machine. If the lever (1) is pulled down, the cutting and sewing of the material can be done simultaneously. If the lever (1) is pulled up, sewing is done without cutting.
- B. Loosen the knife fixing screw (3) when the lever (1) is pulled down and adjust so that Area A of knife (2) is about 0,5mm above the top face of the needle plate (4). Then, tighten the knife fixing screw (3). (See Fig.44)

2. Adjusting the front-back position of the knife



(Fig. 45)

- A. Set the stitch length adjusting dial to "0".
- B. The standard position of the knife is when the edge of the knife (2) is about 2mm in front of the needle (5) center.

* For GF-1116 series, the end of the knife (2) and the center of the needle (5) should match. To adjust the front-back position of the knife, loosen the knife plate fixing screw (6) and move the knife plate back and forth. The adjustable width range of the knife edge is from 2mm forward to 3mm backward from the needle center.

3. Adjusting the left-right position of the knife

A. To adjust the left-right position of the knife (2), loosen the knife frame fixing screw (7) and move the

knife frame (7) sideways.

- B. After loosening the knife frame fixing screw (7) and adjusting the knife side so that it would touch the side of the needle plate (4), tighten the fixing screw (7),
- C. If the knife (3) is too close to the needle plate (4), there may be an overload on the knife when in operation; on the other hand, if the adhesion is too weak, there may be problems when cutting the

material. Therefore, the lever (1) must always be operated after adjustment to check whether the knife (2) movement is smooth.

4.22) Use of Chip Discharge Guide and Auxiliary Needle Plate (GF-1116/GF-1118 series)

1. When Cutting and Sewing Simultaneously

When cutting and sewing are done at the same time, attach the chip discharge guide (2), which is provided in the accessory box, to the auxiliary needle plate (1) with fixing screws (3). (See Fig.46)



2. When Sewing Only

When sewing is done alone without cutting, remove the chip discharge guide (upper) (2) and the insert the auxiliary needle plate cover (4), which is provided in the accessory box, into the chip discharge groove in the auxiliary needle plate. (See Fig. 47)

4.23) Change of Cutting Width

1. Disassembly

- A. Loosen the needle fixing screw (1) and remove the needle (2).
- B. Loosen the presser foot fixing screw (3) and separate the presser foot (4).
- C. Loosen the needle plate fixing screw (5) and separate the needle plate (6).
- D. Loosen the feed dog fixing screw (7) and separate the feed dog (8).
- E. Loosen the auxiliary needle plate fixing screw (9) and separate the auxiliary needle plate (10).
- F. Loosen the chip discharge guide (lower) fixing screw (11) from the separated auxiliary needle plate (9) and separate the chip discharge guide (12).
- G. Loosen the knife fixing screw (13) and separate the knife (14). (See Fig.48)



(Fig. 48)

2. Assembly

- A. Replace the chip discharge guide (lower) (12) with the one fit for the desired cutting width and fix it with the auxiliary screw (11) on the auxiliary needle plate (10).
- B. Fix the auxiliary needle plate (10) using two fixing screws (9) on the bed.
- C. Fix the feed dog (8) using the fixing screw (7).
- D. Fix the needle plate (6) on the bed using two fixing screws (5).

* Turn the pulley manually to check whether the space between the feed dog and needle plate during feed dog movement is equal in all directions. Then, adjust the knife frame to adjust the knife position.

* Move the chip discharge guide (lower) (12) to the left and right so that it is placed 0,05mm from the knife plate side (6). Then, use the fixing screw (11) to fix the position.

- E. Adjust the knife frame so that the pressure of the knife (14) and the needle plate side (6) is appropriate. Then, tighten the fixing screw. (Refer to the explanation about knife position adjustment.)
- F. Attach the presser foot (4) and tighten the fixing screw (3).
- G. Fix the needle (2) with the fixing screw (1).
- H. Adjust the knife position adjusting plate (7) to get the desired cutting width and tighten the fixing screw (8) after adjustment.

* After assembly, refer to the knife position adjustment instructions on page 22 and readjust.

5) Cause of troubles and troubleshooting 1) Sewing machine troubleshooting

No	Symptom	Checkpoints	Root cause	Corrective action
		Direction and height of needle	Needle is inserted into wrong position.	Reinsert the needle correctly.
		Needle	Needle is bent.	Change the needle.
			Bad timing of feed dog.	Adjust the timing of feed dog.
1	Needle breaks	Ascending level of needle bar	Bad timing of needle and hook.	Adjust the timing of needle and hook.
		Height of needle	Bad timing of needle and hook.	Adjust the timing of needle and hook.
		Gap between needle and hook	Bad timing of needle and hook.	Adjust the timing of needle and hook.
		Threading method	Wrong threading.	Thread the needle correctly.
		Needle	Bent needle or broken needle tip.	Change the needle.
			Needle inserted in the wrong	
•		Direction and height of needle	position.	Insert the needle correctly.
2	Thread breaks	Upper thread tension	Too tight upper thread tension.	Reduce tension of upper thread.
		Lower thread tension	Too loose lower thread tensin.	Reduce tension of lower thread.
		Working capacity of take-up lever	Loose upper thread.	Adjust take-up lever spring.
		spring	Needle inserted in the wrong	
		Direction and height of needle	position.	Reinsert the needle in the right direction.
		Needle	Bent needle or broken needle tip.	Change the needle.
			Thread passing at wrong	
		Threading	position. Wrong timing of needle and	Change the needle.
		Ascending level of needle bar	hook.	Adjust the timing of needle and hook.
		Height of peodle her	Wrong timing of needle and hook.	Adjust the timing of people and back
		Height of needle bar	Wrong timing of needle and	Adjust the timing of needle and hook.
		Gap between needle and hook	hook.	Adjust the timing of needle and hook.
3	Stitch skips		Remaining length of upper thread	Adjust the thread adjusting device.
			is short.	
			Due to bobbin racing during	
		Racing-proof spring	trimming, lower thread dropping	Change the racing protection
		of bobbin case	from bobbin case becomes too	spring.
			short to go up.	
		Take-up lever spring	Unable to lift lower thread due to	Adjust the working capacity
			weak take-up lever spring.	of take-up lever spring.
4	Upper thread		Too tight upper thread tension.	Reduce tension of upper thread.
	does not sink.		Too loose lower thread tension.	Increase tension OF lower thread.
_				
5	Lower thread		Too tight upper thread tension. Increase tension of upper	Too strong lower thread tension.
	does not sink.		thread.	Decrease tension of lower thread.
		Tension of fixed blade	Tension not aligned between	Adjust tension of movable and fixed blade.
			movable and fixed blade.	
	Trimming	Edge of movable and fixed	Abrasion in blade groove of	Replace movable and fixed blade.
	errors	blades	movable and fixed blade.	
		Direction of needle	Wrong needle insertion.	Reinsert the needle correctly.
		Check the crossing of trimmer	Insufficeient crossing quantity of	Adjust the stroke of movable and
		cam notch mark and blade	movable and fixed blade.	fixed blade.
	Upper thread		Too strong upper thread tension.	Adjust tension of upper thread.
	is pulled out		Too thick a needle for thread.	Check thickness of needle.
_	-		Take-up lever pulls out the	
7	when sewing	Observation and the second second	upper	Adjust the up-stop position
	commences.	Check th up-stop position	thread because the needle up	of needle.
	I	of needle	and down position is too high.	

GF-1118 series 32		

Katalog náhradních dílů Spare Parts List

GARIDA

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4. PRESSER FOOT MECHANISUM COMPONENTS (2/2)	
5. LOWER FEED MECHANISM COMPONENTS	
6. FEED ADJUSTMENT MECHANISM COMPONENTS (1/2)	
6. FEED ADJUSTMENT MECHANISM COMPONENTS (2/2)	
7. THREAD TRIMMER MECHANISM COMPONENTS (1/2)	
7. THREAD TRIMMER MECHANISM COMPONENTS (2/2)	
8. KNIFE COMPONENTS (1/2)	
8. KNIFE COMPONENTS (2/2)	
9. NEEDLE FEED MECHANISM COMPONENTS	
10. AUTOMATIC REVERSE FEED MECHANISM COMPONENTS	
11. WIPER MECHANISM COMPONENTS	
12. OIL LUBRICATION MECHANISM COMPONENTS	
13. ACCESSORIES (1/2)	
13. ACCESSORIES (1/2) 42 13. ACCESSORIES (2/2) 44 GAUDE 46	
GAUDE	
NUMERICAL PARTS47-50	


NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	FD1010-0A	Face Plate	1	
2	FD1011-0A	Packing	1	
3	ZSB12064	Screw 3/16-28*10	3	
4	SEN1250400	Rubber Plug	2	
5	FC4085-0A	Waste Material Guide	1	
6	ZSB08071	Screw 1/8-44*4	2	
7	FC4082-0A	Needle Plate	1	
8	ZSC11001	Screw 11/64-40*11	2	
9	ZSB08043	Screw 1/8-44*6	2	
10	FC4083-0A	Waste Material Guide	1	
11	FC4084-0A	Waste Material Guide Plate	1	
12	5100111600	Slide Plate	1	
13	5100111700	Slide Plate Spring	1	
14	ZSB06004	Screw 3/32-56*2.2	2	
15	FD1057-0A	Presser Bar Support	1	
16	ZSC12002	Screw 3/16-25*6.5	4	
17	7520GA0032	Throat Plate	1	
18	ZSC11001	Screw 11/64-40*11	2	
19	5100110700	Bed Srew Stud	4	
20	75201159T0	Scraper	1	
21	FD1055-0A	Thread Guide	1	
22	ZSL09001	Nut 9/64-40	1	
23	5100312000	Thread Guide	1	
24	ZSB11082	Screw 11/64-40*6.5	1	
25	FD1014-0A	Rubber Plug	2	
26	SEN0850600	Rubber Plug	2	
27	5100112600	Thread Také-up Lever Cover	1	
28	ZSB12018	Screw 3/16-28*6	1	
29	51001134T0	Spool Pin	1	
30	FD1012-0A	Side Cover	1	
31	FD1013-0A	Packing	1	
32	51002827T0	Cord Holder	1	
33	ZSB12053	Screw 3/16-28*9	5	
34	75201016T0	Nameplate	1	
35	WE000050	Washer	1	
36	SEN2000500	Rubber Plug	1	
37	SEN2101000	Rubber Plug	2	



	1. MAG		NENTS (1/2-2)	T
NO.	PART NO.	DESCRIPTION	QTY	NOTE
38	5100311600	Thread Guide (Center)	1	
39	ZSB11082	Screw 11/64-40*6.5	1	
40	ZSB12046	Screw 3/16-28*7	5	
41	51001169T0	Rubber Plug	1	
42	SEN0850600	Rubber Plug	1	
43	SEN1250700	Rubber Plug	1	
44	FD1056-0A	Gasket	1	
45	RU010100	Rope	2	
46	RU20UC-3	Peg Button	2	
47	VJR6657-14	Insulated Latex	7	
48	VJM6657-14	Air Tie-in	1	
49	VJT6657-B1	Linker	8	
50	A1019-0A	Rivet	2	

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NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	5100310300	Nut	1	
2	5100315200	Tension Disk Stopper	1	
3	5100310400	Tension Spring	1	
4	5100315400	Tension Regulator Presser Disk	1	
5	5100315300	Tension Disk	2	
6	5100310100	Thread Tension Post	1	
7	5100310800	Spring	1	
8	5100310500	Thread Tension Post Bracket	1	
9	ZSB09013	Screw 9/64-40*4	1	
10	ZSA15028	Screw 15/64-28*7	1	
11	FD1028-0A	Tention Releasing Pin	1	
12	FD1043-0A	Cap Ring	1	
13	51003155T0	Nut	1	
14	51003158T0	Thread Tension Post	1	
15	51003157T0	Tension Disk	2	
16	51003140T0	First Tension Post	1	
17	51003156T0	Upper Thread Tension Plate	1	
18	ZSB12018	Screw 3/16-28*6	1	
19	FD1058-0A	Lever stopper Asm.	1	
20	FD1059-0A	Underlay	1	
21	ZSB12053	Screw 3/16-28*9	1	
22	FD1020-0A	Tension Regulator Presser Disk	1	
23	SEN0850600	Rubber Plug	1	
24	FD1014-0A	Rubber Plug	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	75201208T5	Counterweight Asm.	1	
2	75201208T0	Counterweight	1	
3	75204101T0	Knife Cam	1	
4	YA040190	Parallel Pins	1	
5	ZSB18011	Screw 9/32-28*16	1	
6	OPP0044240	O-rings	1	
7	ZSA16025	Screw 1/4-40*6	2	
8	ZSA18002	Screw 9/32-28*13.5	1	
9	75204103T0	Washer	1	
10	FC1101-0A	Main Shaft Bushing, Front	1	
11	FD1103-0A	Joint	1	
12	FD1102-0A	Main Shaft Bushing, Center	1	
13	5100122600	Collar	1	
14	ZSA16025	Screw 1/4-40*6	2	
15	RB200200	Rataining Rings-C Type 20	1	
16	FD1116-0A	Feed Cam	1	
17	ZSB16031	Screw 1/4-40*11	2	
18	5100122100	Bearing Cover	1	
19	ZSB09014	Screw 9/64-40*6	2	
20	51001240T1	Main Shaft Bushing, Rear	1	
21	5100120500	Oil Seal	1	
22	5100354200	Oil Adjusting pin	1	
23	OPP0029178	O-rings	1	
24	5100353000	Holder	1	
25	XB106001	Felt	2	
26	FC1100-0A	Main Shaft	2	
27	51006020T5	Detector Bracket	1	
28	ZME05001	Screw M5 x 0.8*9.3	2	
29	51006024T6	Magnet Fitting Base B Asm.	1	
30	51006024T5	Magnet Fitting Base A Asm.	1	
31	51006027T0	Magnet C	1	
32	51001223T0	Hand Wheel	1	
33	ZSA15010	Screw 15/64-28*15	2	
34	ZSB11076	Screw 11/64-40*12	2	
35	WA049003	Washer	2	
36	FD1061-0A	Thread Take-up Lever Link Pin	1	
37	ZSA15037	Screw 15/64-28*10.5	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
38	5100192000	Thread Take-up Lever Link	1	
39	5100190105	Thread Také-up Lever Com.	1	
40	5100190500	Oil Guard Rubber	1	
41	BN081208	Bearing	2	
42	75201213T0	Needle Bar Crank Shaft	1	
43	5100121000	Needle Bar Crank Rod	1	
44	ZSD09005	Hinge Screw	1	
45	5100192200	Felt	1	
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NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	5100141400	Rubber Plug	1	
2	75201401T0	Needle Bar	1	
3	5100140900	Needle Bar Connection	1	
4	ZSB09014	Screw 9/64-40*6	1	
5	FD1082-0A	Slide Block	1	
6	ZSB08010	Screw 1/8-44*4.6	1	
7	FC1076-0A	Needle Bar Thread Guide	1	
8	INDBX1-14	Needle DB x 1-14	1	
9	5100133000	Bevel Gear, Large	1	
10	ZSA16022	Screw 1/4-40*7	8	
11	5100133100	Bevel Gear, Small	1	
12	5100180600	Bevel Gear, Large	1	
13	5100180700	Screw Gear, Back	1	
14	5100132100	Upright Shaft Bushing	1	
15	ZSA15016	Screw 15/64-28*7	1	
16	5100132200	Needle Bar Bushing, Lower	1	
17	5100132000	Upright Shaft	1	
18	51001858T0	Bobbin Case Positioning Finger	1	
19	ZSB11026	Screw 11/64-40*10	1	
20	SC82-J	Bobbin Case	1	
21	5100183200	Bobbin	1	
22	KHS12-GTHD	Hook	1	
23	5100354400	Screw	1	
24	5100354500	Filter	1	
25	5100188200	Thrust Colar	1	
26	ZSA11004	Screw 11/64-40*3.5	2	
27	75201803T0	Bushing Front	1	
28	5100180100	Hook Driving Shaft	2	
29	5100184900	Thrust Colar	1	
30	ZSB11008	Screw 11/64-40*5	2	
31	5100180500	Bushing Front	1	
32	ZSB12063	Screw 3/16-28*9	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	5100150300	Screw	1	
2	5100151500	Nut	1	
3	5100154800	Spring Guide	1	
4	5100150400	Spring	1	
5	FD1185-0A	Presser Bar Guide Bracket	1	. <u> </u>
6	FD1186-0A	Pin	1	
7	RE000030	Retaining Rings - E Type 3	2	. <u> </u>
8	ZSA16025	Screw 1/4-40*6	1	. <u> </u>
9	FD1181-0B	Bushing	1	. <u> </u>
10	75201501T0	Presser Bar	1	. <u> </u>
11	7520GC0032	Presser foot Asm.	1	
12	ZSB09002	Screw 9/64-40*10	1	
13	5100150800	Hand lifter Lever	1	
14	ZSE09001	Screw 9/64-40*9.6	1	
15	OPP0037178	O-rings	1	
16	5100150700	Hand Lifter Cam	1	. <u> </u>
17	ZSK20016	Screw	1	
18	5100344005	Thread Releasing Plate Asm.	1	. <u> </u>
19	WA060034	Washer	1	
20	FD1209-0A	Collar	1	
21	ZSB09029	Screw 9/64-40*6	1	
22	FD1187-0A	Thread Releasing Plate B	1	
23	RE000050	Retaining Rings - E Type 5	2	
24	75203127T5	Thread Release Wire Asm.	1	
25	ZSK20017	Screw	1	
26	RE000030	Retaining Rings - E Type 3	1	
27	FD1210-0A	Reverse Spring	1	
28	51003160T0	Wire Holder A	2	 L
29	ZSB11007	Screw 11/64-40*7	1	
30	51003161T0	Wire Holder Bracket, Upper	1	
31	ZSB12018	Screw 3/16-28*6	2	
32	FD1195-0A	Wire Holder Bracket, Lower	1	
33	ZSB11029	Screw 11/64-40*7	1	
34	FD1196-0A	Wire Holder	2	
35	5100340400	Side Connecting Bar	1	
36	ZSG12063	Hinge Screw	1	
37	ZSG15065	Hinge Screw	1	



38 ZSG12084 Hinge Screw 1 39 FD1192-0A Presser Bar Lifting Link 1 40 FD1193-0A Lifting Lever Connecting Rod 1 41 ZSL12002 Nut 3/16-32 2 42 75203126T0 Thread Release Plate 1 43 ZSG12077 Hinge Screw 1 44 ZSB11091 Screw 11/64-40*4 1 45 FP1182-0B Belt 1 46 7162270111 Sppring 1 47 FP1179-0A Belt 1	NO.	PART NO.	DESCRIPTION	QTY NOT
40 FD1193-0A Lifting Lever Connecting Rod 1 41 ZSL12002 Nut 3/16-32 2 42 75203126T0 Thread Release Plate 1 43 ZSG12077 Hinge Screw 1 44 ZSB11091 Screw 11/64-40*4 1 45 EP1182-0B Belt 1 46 7162270111 Sppring 1 47 EP1179-0A Belt 1	38	ZSG12084	Hinge Screw	1
41 ZSL12002 Nut 3/16-32 2 42 75203126T0 Thread Release Plate 1 43 ZSG12077 Hinge Screw 1 44 ZSB11091 Screw 11/64-40*4 1 45 EP1182-0B Belt 1 46 7162270111 Sppring 1 47 EP1179-0A Belt 1	39	FD1192-0A	Presser Bar Lifting Link	1
42 75203126T0 Thread Release Plate 1 43 ZSG12077 Hinge Screw 1 44 ZSB11091 Screw 11/64-40*4 1 45 EP1182-0B Belt 1 46 7162270111 Sppring 1 47 EP1179-0A Belt 1	40	FD1193-0A	Lifting Lever Connecting Rod	1
43 ZSG12077 Hinge Screw 1 44 ZSB11091 Screw 11/64-40*4 1 45 EP1182-0B Belt 1 46 7162270111 Sppring 1 47 EP1179-0A Belt 1	41	ZSL12002	Nut 3/16-32	2
44 ZSB11091 Screw 11/64-40*4 1 45 EP1182-0B Belt 1 46 7162270111 Sppring 1 47 EP1179-0A Belt 1	42	75203126T0	Thread Release Plate	1
45 EP1182-0B Belt 1 46 7162270111 Sppring 1 47 EP1179-0A Belt 1	43	ZSG12077	Hinge Screw	1
46 7162270111 Sppring 1 47 EP1179-0A Belt 1	44	ZSB11091	Screw 11/64-40*4	1
47 EP1179-0A Belt	45	EP1182-0B	Belt	1
	46	7162270111	Sppring	1
	47	EP1179-0A	Belt	1



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	7520GB0032	Feed dog	1	
2	ZSB08001	Screw 1/8-44*6	2	
3	51001601T5	Feed Bar Asm.	1	
4	51001601T0	Feed Bar	1	
5	510016010A	Washer ø 13 x 1.5 d=6.1	1	
6	5100169600	Square Block	1	
7	5100163300	Square Block Pin	1	
8	5100164900	Feed Bar Shaft	1	
9	5100160500	Feed Bar Rod	1	
10	ZSB12017	Screw 3/16-28*15	1	
11	WA059002	Washer	1	
12	ZSB11012	Screw 11/64-40*8	1	
13	RB200150	Rataining Rings-C Type 15	1	
14	5100160600	Bushing	1	
15	5100122600	Collar	1	
16	ZSA16025	Screw 1/4-40*6	2	
17	5100160400	Feed Rocker Shaft	1	
18	FD4046-0A	Feed Rocker Shaft Crank	1	
19	5100167600	Pin	1	
20	ZSA18005	Screw 9/32-28*11	2	
21	ZSB09029	Screw 9/64-40*6	1	
22	5100170800	Feed Bar Forked Connection	1	
23	ZSB11017	Screw 11/64-40*12	1	
24	RB200150	Retaining Rings - C Type 15	1	
25	5100160600	Bushing	1	
26	5100122600	Collar	1	
27	ZSA16025	Screw 1/4-40*6	2	
28	5100170300	Feed Bar Shaft	1	
29	ZSG18009	Hinge Screw	1	
30	ZSB12002	Screw 3/16-28*12	1	
31	5100170500	Feed Liftinf Rock Link	1	
32	ZSL18004	Nut 9/32-28	1	
33	5100170100	Feed Rod	1	
34	FD1122-0A	Horizontal Feed Rod	1	
35	ZSB09029	Screw 9/64-40*6	1	
36	5100167500	Horizontal Feed Rod Shaft	1	
37	BN283313	Bearing	1	
38	XA200300	Oil Wick	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	FD1154-0A	Feed Regulator Shaft	1	
2	5100162800	Bushing	1	
3	75201611T0	Feed Regulator	1	
4	ZSB09010	Screw 9/64-40*4.5	2	
5	FD1155-0A	Eccentric Shaft	1	
5	FD1156-0B	Connecting Rod	1	
7	RE000050	Retaining Rings - E Type 5	2	
8	FD1170-0A	Feed Regulating Screw	1	
9	OP00100A	O-rings	1	
10	E1158-0A	Spring	1	
11	FD1171-0A	Pin	1	
12	75201640T0	Dial	1	
13	ZSB12051	Screw 3/16-28*18		
14	5100167400	Link	2	
15	5100165200	Link	2	
16	5100167800	Pin	2	
17	5100167700	Reverse Block Pin	2	
18	ZSH15002	Screw 15/64-28*7	2	
19	FD4055-0B	Reverse Block Asm.	1	
20	FD4055-1B	Reverse Block	1	
21	FD4056-0A	Holder	2	
22	5100167100	Pin	1	
23	ZSB09029	Screw 9/64-40*6	2	
24	FD1162-0A	Reverse Feed Crank Asm.	1	
25	FD1162-1A	Reverse Feed Crank	1	
26	FD1164-0A	Pin	1	
27	FD1163-0A	Pin	1	
28	ZSB12063	Screw 3/16-28*14	1	
29	FD4116-0A	Spring	1	
30	5100163501	Spring	1	
31	5100163600	Spring Suspension	1	
32	5100161200	Lever	1	
33	ZMA06014	Screw M6 x 1*10	1	
34	ZMA06007	Screw M6 x 1*9.5	1	
35	5100174102	Lever Shaft Bushing	1	
36	FD1161-0A	Lever Shaft	1	
37	OPP00900	O-rings	1	



	6		NTS (2/2)	
NO.	PART NO.	DESCRIPTION	QTY	NOTE
38	ZSB12003	Screw 3/16-28*6.5	1	
39	WA070007	Washer	1	
40	ZSD16003	Screw 1/4 - 40*12	1	
41	51001671T0	Pin	1	

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NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	75202430T0	Movable Knife	1	
2	ZSC11024	Screw 11/64-40*5.4	2	
3	75202442T0	Knife Base	1	
4	RB200220	Retaining Rings - C Type 22	1	
5	75202419T0	Link	1	
6	75202413T0	Knife Driving Crank	1	
7	ZSB12002	Screw 3/16-28*12	1	
8	ZSG09058	Hinge Screw	2	
9	75203548T0	Oil Shield	1	
10	ZSB11035	Screw 11/64-40*6	1	
11	75202426T0	Base Plate	1	
12	ZSB15010	Screw 15/64-28*10	2	
13	75202401T0	Knife Driving Shaft	1	
14	RE000060	Retaining Rings - E Type 6	2	
15	75202421T0	Cam Follower Crank A	1	
16	75202417T0	Roller	1	
17	ZSG11098	Hinge Screw	1	
18	ZSL09001	Nut 9/64-40	1	
19	75202414T5	Stopper Screw Asm.	1	
20	ZSL15002	Nut 15/64-28	1	
21	75202420T0	Cam Follower Crank B	1	
22	ZSA16025	Screw 1/4-40*6	2	
23	75202422T0	Spring	1	
24	75202434T0	Link	1	
25	ZSG12077	Hinge Screw	1	
26	75202436T0	Hinge Screw	1	
27	75202435T0	Hinge Screw	1	
28	75202405T0	Thread Trimmer Cam	1	
29	ZSH16001	Screw 1/4-40*6	2	
30	51002449T0	Collar	1	
31	ZSH11004	Screw 11/64-40*5	1	
32	75202402T0	Fixed Knife	1	
33	ZSC09008	Screw 9/64-40*5	1	
34	75202403T0	Fixed Knife Base	1	
35	ZSB11029	Screw 11/64-40*7	2	
36	ZSN11004	Nut 11/64-40	1	
37	ZSA11002	Nut 11/64-40	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	75202461T0	Picker Arm	1	
2	51002460T0	Thread Take-up Picker Asm.	1	
3	ZSG11083	Hinge Screw	1	
4	75202462T0	Picker Link	1	
5	ZSG11084	Hinge Screw	1	
6	ZSK15045	Hinge Screw	1	
7	75202427T5	Clutch Plate Asm.	1	
8	WA069001	Washer	1	
9	ZSL16005	Nut 1/4-40	1	
10	ZSG15091	Hinge Screw	1	
11	75202410T0	Spring	1	
12	75202433T0	Link	1	
13	RE000050	Retaining Rings - E Type 5	1	
14	51002408T0	Pin	1	
15	ZSB11006	Screw 11/64-40*6.5	1	
16	ZSG12064	Hinge Screw	1	
17	51002406T0	Thread cutting Solenoid Asm.	1	
18	51002407T0	Cusion	1	
19	51002409T0	Solenoid Instaling Base	1	
20	51002448T0	Cusion	1	
21	ZSL16015	Nut 1/4-40	1	
22	ZSL16005	Nut 1/4-40	1	
23	WA049003	Washer	2	
24	ZML04002	Nut M4 x 0.7	2	
25	5100353000	Holder	1	
26	ZSB15018	Screw 15/64-28*12	2	
27	STEJ900300	Ground Wire Asm.	1	
28	ZSB09005	Screw 9/64-40*5	2	
29	ZSL15002	Nut 15/64-28	1	
30	VW023113	Wire	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	75204120t0	Knife Driving Shaft Connection	1	
2	ZSB09007	Screw 9/64-40*7.5	1	
3	75204105T0	Link	1	
4	ZSB11022	Screw 11/64-40*7	3	
5	75204104T0	Link	1	
6	ZSB09012	Screw 9/64-40*4.5	1	
7	75204102T0	Link	1	
8	BN252910	Bearing	1	
9	ZSB09012	Screw 9/64-40*4.5	1	
10	75204108T0	Pin	2	
11	75204106T0	Link	1	
12	ZSG12095	Hinge Screw	1	
13	75204109T0	Rod Link Shaft	1	
14	ZSA15020	Screw 15/64-28*11	1	
15	75204110T0	Link Support Arm	1	
16	ZSB12002	Screw 3/16-28*12	1	
17	75204111T0	Knife Set Lever Shaft	1	
18	OPP00500	O-rings	1	
19	75204112T0	Knife Set Lever Base	1	
20	ZSB12002	Screw 3/16-28*12	1	
20	75204115T0	Knife Lever Stopper	1	
22	ZSA15053	Screw 15/64-28*19.5	1	
23	ZSL15002	Nut 15/64-28	2	
25	ZSB12053	Screw 3/16-28*9	2	
25	75204116T0	Pin	2	
26	ZSG15090	Hinge Screw	1	
20	75204117T0	Spring		
27			1	
	75204114T0	Knife Lever Base	1	
29	ZSB15010	Screw 15/64-28*10	2	
30	75204113T0	Knife Lever	2	
31	ZSG16058	Hinge Screw	1	
32	RE000050	Retaining Rings - E Type 5 Link	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	75204119T0	Bushing	1	
2	75204118T0	Knife Driving Shaft	1	
3	75204121T1	Knife Holder A	1	
4	ZSD12001	Screw 3/16-28*16	1	
5	ZSL12004	Screw 3/16-32*12	1	
6	75204122T0	Knife Holder B	1	
7	ZSB11109	Screw 11/64-4 0*8	1	
8	WA059005	Washer	1	
9	ZSL12004	Nut 3/16-28	1	
10	75204123T1	Knife Holder C	1	
11	ZSB09034	Screw 9/64-40*10	1	
12	WA030002	Washer	1	
13	75204130T0	Knife	1	
14	FC1439-0A	Washer	1	
15	ZSB08043	Screw 1/8-44*6	2	
16	75204124T0	Knife Mounting Base	1	
17	WA059002	Washer	2	
18	ZSD12006	Screw 3/16-28*9	2	
19	ZSH12004	Screw 3/16-32*4	1	
20	ZSB08001	Screw 1/8-44*6	1	



		9. NEEDLE FEED MECHANISM COMPONENTS		
NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	FD1345-0A	Driving Crank Front	1	
2	ZSB12002	Screw 3/16-28*12	1	
3	FD1341-0A	Rock Shaft Bushing Front	1	
4	FD1340-0A	Connecting Shaft	1	
5	FD1346-0A	Driving Link	1	
6	FD1347-0A	Needle Bar Link Pin	2	
7	ZSB09090	Screw 9/64-40*6	2	
8	FD1081-0A	Slide Block Guide	1	
9	ZSB12012	Screw 3/16-28*15	1	
10	FD1073-0A	Bracket	1	
11	FD1072-0A	Needle Rod Rocking Base Shaft	1	
12	ZSA11025	Screw 11/64-40*27	1	
13	FD1353-0A	Bushing	1	
14	ZSA12010	Screw 3/16-32*7	1	
15	FD1352-0A	Needle Bar Frame Guide	1	
16	ZSB09007	Screw 9/64-40*7.5	2	
17	BNBK091310	Bearing	1	
18	FD1342-0A	Thrust Collar	2	
19	ZSA16012	Screw 1/4-40*4	4	
20	FD1343-0A	Rock Shaft Bushing Rear	1	
21	ZSA12010	Screw 3/16-32*7	1	
22	FD1348-0A	Driving Crank Rear	1	
23	ZSB12063	Screw 3/16-28*14	1	
24	FD1349-0A	Connecting Rod	1	
25	ZSG15085	Hinge Screw	1	
26	ZSL15002	Nut 15/64-28	1	
27	ZSB11069	Screw 11/64-40*6	1	
28	ZSL15004	Nut 15/64-28	1	
29	WA069001	Washer	1	
30	FD1350-0A	Connecting Rod Shaft	1	
31	OAGM071103	Belt	1	
32	RC100105	Spring	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	ZMB04032	Screw M4 x 0.7*16	1	
2	51002816T0	Spring	1	
3	51002815T0	Switch Shaft	1	
4	51002805T0	Switch Base	1	
5	ZMB04023	Screw M4 x 0.7*6	1	
6	51002802T0	Switch Cover	1	
7	51002801T0	Switch Asm.	1	
8	51002817T0	Switch Plate	1	
9	ZSB12053	Screw 3/16-28*9	2	
10	ZMB03032	Screw M3 x 0.5*15	2	
11	75202814T0	Switch Lever	1	
12	RE000050	Retaining Rings - E Type 5	1	
13	51002823T0	Reverse Feed Connecting Shaft	1	
14	ZSG11109	Hinge Screw	1	
15	FD4070-0A	Reverse Feed Base Collar	1	
16	FD4069-0A	Connecting Arm Asm.	1	
17	ZSL11002	Nut 11/64-40	1	
18	WA070010	Washer	1	
19	FD4067-0A	Reverse Feed Connecting Link	1	
20	ZSG11110	Hinge Screw	1	
21	51002825T0	Spring	1	
22	RE000120	Retaining Rings - E Type 12	1	
23	WH116001	Washer	1	
24	51002826T0	Cusion	1	
25	FD4068-0A	Pin	1	
26	ZSL11002	Nut 11/64-40	2	
27	FD4065-0A	Reverse Feed Solenoid	1	
28	ZSB11095	Screw 11/64-40*8	4	
29	75202830T0	Solenoid Installing Plate	1	
30	ZSB15018	Screw 15/64-28*12	2	
31	STEW100645	Wire	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	75202151T5	Wiper Asm.	1	
2	75202167T0	Wiper Cover	1	
3	ZME03002	Screw M3 x 0.5*6	1	
4	75202169T0	Spring	1	
5	WA120008	Washer	1	
6	75202172T0	Cusion Rubber	1	
7	75202165T0	Cusion Rubber	1	
8	75202164T0	Washer	1	
9	RE000090	Retaining Rings- E Type 9	1	
10	75202162T0	Wiper Solenoid	1	
11	5100216600	Wiper Switch	1	
12	75202157T0	Wiper Solenoid Pin	1	
13	RE000030	Retaining Rings- E Type 3	2	
14	75202163T0	Wiper Base Asm.	1	
15	ZME03005	Screw M3 x 0.5*8	4	
16	75202152T5	Wiper Link A	1	
17	ZSB11006	Screw 11/64-40*6.5	2	
18	75202155T5	Wiper Driving Shaft Asm.	1	
19	75202153T5	Wiper Link B	1	
20	ZSG11126	Hinge Screw	1	
21	52202160T0	Wiper Base	1	
22	ZSG11126	Hinge Screw	1	
23	75202151T0	Wiper	1	
24	ZSB09040	Screw 9/64-40*3.5	1	
25	ZSB12065	Screw 3/6-28*14	1	
26	ZSB12053	Screw 3/16-28*9	1	
27	WA040020	Washer	1	
28	75202162T5	Collar	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	7390353000	Holder	2	
2	ZSB12046	Screw 3/16-28*7	2	
3	75203567T5	Felt Asm.	1	
4	75203535T0	Felt Holder	1	
5	75203558T0	Oil Pipe	1	
6	XP300520	Oil Tube	1	
7	75203528T0	Spring	1	
8	SA1361-0A	Oil Sight Window	1	
9	OPP205250	O-rings	1	
10	FD1139-0A	Holder	1	
11	ZSB08032	Screw 1/8-44*3	1	
12	XA200300	Oil Wick	1	
13	51003548T0	Oil Shield	1	
14	5100354700	Spring	1	
15	5100354100	Oil Adjusting Screw	1	
16	FD4061-0A	Oil Pipe Asm.	1	
17	XP400260	Oil Pipe Asm.	1	
18	FD4062-0A	Oil Pump Support	1	
19	5100354000	Oil Pipe Joint	1	
20	FD4064-0A	Bed Screw Stud	1	
21	RE000090	Retaining Rings- E Type 9	1	
22	5100354900	Oil Pump Support Plate	1	
23	5100358000	Oil Pump Body	1	
24	ZME03005	Screw M3 x 0.5*8	3	
25	5100353800	Oil Pipe Joint	1	
26	ZSB15010	Screw 15/64-28*10	1	
27	WB061001	Spring Lock Washers	1	
28	ZSB11050	Screw 11/64-40*10.5	1	
29	WB041001	Spring Lock Washers	1	
30	5100359400	Plunger	1	
31	5100359500	Spring	1	
32	5100359300	Screw	1	
33	5100358300	Impeller	1	
34	5100358500	Housing Plate	1	
35	5100358700	Filter Screen Plate	1	
36	ZMT03007	Screw 3*10	3	



NO.	PART NO.	DESCRIPTION	QTY	NOTE
1	5100350400	Packing	1	
2	5100350500	Packing	1	
3	5100350500	Packing	1	
4	FC7015-0A	Oil Pan	1	
5	ZSB11022	Screw 11/64-40*7	2	
6	ZSB20018	Screw 5/16-24*7	1	
7	OPP01080	O-rings	1	
8	5100342900	Rotating Lever	1	
9	ZMH06018	Screw M6 x 1*30	2	
10	ZML06001	Nut M6 x 1	2	
11	ZMD06011	Screw M6 x 1*20	1	
12	5100343900	Spring	1	
13	5100341400	Knee Lifter Shaft	1	
14	RE000100	Retaining Rings- E Type 10	1	
15	ZMD06013	Screw M6 x 1*24	2	
16	5100342000	Knee Lifter Crank	1	
17	5100341900	Knee Lever Rod	1	
18	5100345300	Rubber	1	
19	5100345100	Knee Plate	1	
20	5100345400	Knee Guird	1	
21	5100345200	Retainer	1	
22	ZMD06012	Screw M6 x 1* 11.6	1	
23	5100343501	Knee Press Lifter Rod Asm.	1	
24	FC7017-0A	Waste Material Chute Holder	1	
25	ZMT04003	Screw	3	
26	FC7018-0A	Waste Material Chute Large	1	
27	FC7019-0A	Waste Material Chute Small	1	
28	ZSB09047	Screw 9/64-40*7	8	
29	ZSL09001	Nut 9/64-40	8	
30	FC7016-0A	Oil Push Guide	1	



NO.	PART NO.	DESCRIPTION	QTY	NOTE	
1	B7001-0A	Cover	1		
2	ZSB08045	Screw 1/8-44*2.5	1		
3	A7010-0A	Screw Driver (small)	1		
4	A7010-1A	Screw Driver (middle)	1		
5	A7010-2A	Screw Driver (large)	1		
6	5100183200	Bobbin	1		
7	INDBX1-14	Needle DB x 1-14	4		
8	A7011-0A	Nail	8		
9	5100911700	Head Hinge	2		
10	5100911900	Rubber Hinge	2		
11	5100911601	Vibration Preventing Rubber	2		
12	5100911501	Vibration Preventing Rubber	2		
13	A7025-0A	Head Rest Wood	1		
14	TLA020	Hexagonl Wrench Key (2 mm)	1		
15	A7012-2A	Oil Can	1		
16	EJ4108-0A	Magnet	1		
17	5100335100	Belt Cover A	1		
18	ZSE20001	Screw 5/16-24*16	2		
19	5100335200	Cover	1		
20	WA059005	Washer	1		
21	ZSB12002	Screw 3/16-28*12	1		
22	5100335300	Belt Cover Stud	1		
23	5100335800	Belt Cover B	1		
24	5100335905	Belt Cover Asm.	1		
25	ZMT04003	Screw	2		
26	WA049005	Washer	2		
27	5100320105	Bobbin Winder	1		
28	WA049005	Washer	2		
29	ZMT04003	Screw	2		
30	J7050-0A	Thread Stand	1		
31	FC4085-1A	Waste Material Guide	1		
32	75201115T0	Plate Cover	1		
33	FC4087-0A	Slide Plate Spring	1		

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7520GA0064 FC4083-0B

FC4086-0A

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