

LZ457A

使用說明與零件圖 INSTRUCTION AND PARTS LIST







Contents

Application	2
Notes on safety	2
Commissioning	2
Oiling · · · · · · · · · · · · · · · · · · ·	2
1 vectic and unlead	3
Inserting the needle	3
Winding the bobbin	3
Threading the bobbin case	3
To remove the bobbin case	
Threading the machine	- 0
Regulating the needle thread tension	5
Regulating the pretension	5
Regulating the bobbin thread tension	5
Regulating the take-up spring	5
Regulating the presser foot pressure	5
Regulating the stitch length (457A105/125/135/143/505/525/535/543)	6
Regulating the stitch length (457A140)	6
Selecting the needle position (457A105/125/135/140/505/525/535)	6
Setting the stitch width	6
Setting the stitch width (457A143/543)	
Regulating the amount of oil flow to sewing hook	7
Back tack switch (457A505G/505F/525G/525F/535G/535F/543G543F)	7
Adjusting the slack needle thread regulator (457A505E/505F/525E/525F/535E/535F/543E/543F)	8
Adjusting the bobbin thread holder (457A505/525/535/543)	
Adjusting the length of thread end in needle eye (457A505/525/535/543)	
Adjusting the needle tread holder puller (457A505E/505F/525E/525F/535E/535F/543E)	
Installing the belt guard	9
Specifications	9
Machine care	9

APPLICATION

High speed single needle lock stitch zigzag machine. High speed single needle lock stitch zigzag machine with automatic thread trimmer.

NOTES ON SAFETY

The machine must only be commissioned in full knowledge of the instruction manual and operated by persons with appropriate training.

Before putting into service also read the safety notes and the instruction manual of the motor supplier.

The machine must be used only for the purpose intended. Use of the machine without the safety devices belonging to it is not permitted.

When gauge parts are exchanged (e.g. needle, presser foot, needle plate, feed dog and bobbin), during threading, when the workplace is left, and during service work, the machine must be isolated from the mains by switching off the main switch or disconnecting the mains plug.

On mechanically operated clutch motors without start inhibitor it is necessary to wait until the motor has stopped.

General servicing work must be carried out only by appropriately trained persons.

Repairs, conversion and special maintenance work must only be carried out by technicians or persons with appropriate training.

For service or repair work on pneumatic systems the machine must be isolated from the compressed air supply system. Exceptions to this are only adjustments and function checks made by appropriately trained technicians.

Work on the electrical equipment must be carried out only by electricians or appropriately trained persons.

Work on parts and systems under electric current is not permitted, except as specified in regulartions EN50110.

Conversions or changes to the machine must be made only on adherence to all safety regulations.

For repairs, only replacement parts approved by us must be used.

Commissioning of the sewing head is prohibited until such time as the entire sewing unit is found to comply with EC regulations.

Meanings of the symbols:



Danger spot! Items requiring special attention



Danger of injury to operative or service staff Be sure to observe and adhere to these safety notes!

COMMISSIONING



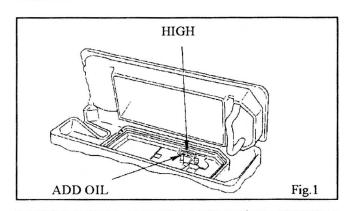
To avoid disturbances or damages it is absolutely necessary to observe the following instructions:

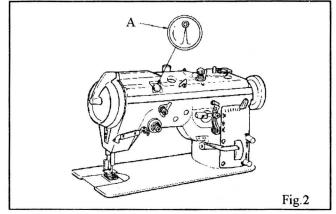
Before you put the machine into operation for the first time clean it thoroughly, and oil it well (see page 2).

Have the machine check whether the motor can be used with existing mains voltage or not, and that junction box is correctly connected. Do not start the machine if the voltage is not correct!

When the machine runs, the balance wheel must rotate toward the operator. If it dose not, have the electrician change the wires on the motor.

OILING







Switch off the machine.

Set sewing head upright again using both hands.

Danger of crushing between sewing head and table top.

Tip machine back on its hinges and fill the oil reservoir to HIGH mark as illustrated in Fig. 1.

Correct lubrication is indicated by a continuous stream of oil passing the oil flow window A while machine is running, as shown in Fig. 2.

Should this oil flow become erratic, STOP the machine and check the reservoir oil level, fill if needed.

At least twice each month, check the oil level in the reservoir. Never allow the oil level to drop below add oil mark, shown in Fig. 1.

Only use oil with a viscosity of 20.0 mm²/sec. at 38 °C and a density of 0.888 g/cm³ at 15 °C. We recommend SINGER C-oil.

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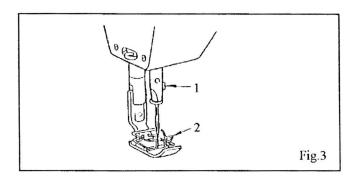
NEEDLE AND THREAD

Size of needle should be determined in accordance with the size of thread used and type of material being sewn. A correct size needle will permit the thread to pass freely through the eye of the needle and avoid strain and breaking. A bent needle will cause your machine to skip stitches. A hook or burr on the needle point will result in a finish that looks blurred and when short stitches are used some materials may be cut.

Therefore, to obtain best sewing results, use SINGER needles.

Application of class		For light- weight materials	For medium- weight materials
Max. thread ▲	Metric No.	120-100	100- 60
size-synthetic	Cotton No.	80- 60	60- 30
Needle size	JIS(SINGER)	#8-#10	#12-#16
Needle Size	Metric	60- 70	80-100
Catalog No. (N	eedle system)	1906-01 (135×53) 1906-07 (135×53 M Ball) 8752-64 (135×53 Lg Ecc G L Ball)	
▲ or an equivalent size of other type of thread.			ıd.

INSERTING THE NEEDLE (See Fig. 3)





Switch off the machine.

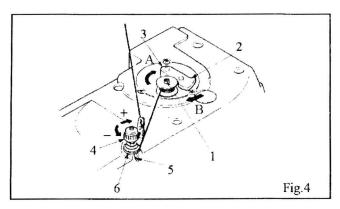
Do not operate without finger guard
(2)! (See Fig. 3)

Danger of injury!

Use cat. No. 1906-01 (135 \times 53), 1906-07 (135 \times 53 M Ball), 8752-64 (135 \times 135 Lg G Ecc L Ball) needles only. (See table page.)

Set the needle bar at its highest point. Loosen needle set screw (1). (see Fig. 3) Insert the needle in the needle bar and push it up as far as it will go. Make sure its long groove faces toward the front. Tighten needle set screw (1) securely.

WINDING THE BOBBIN (See Fig.4)



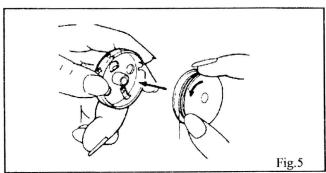
Bobbin winder spindle (1) rotates in the direction of arrow (A).

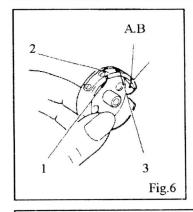
Push lever (2) in the direction of arrow (B) to wind the bobbin. To adjust amount of thread on bobbin, loosen set screw (3) in lever (2) and move lever (2), as required. Securely tighten set screw (3).

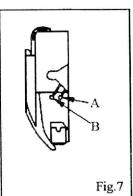
Adjust the thumb nut (4) to regulate the tension for bobbin winding.

If thread winds unevenly on bobbin, loosen screw (5) and move bobbin winder pretension (6) up or down, as required, and tighten screw (5).

THREADING THE BOBBIN CASE





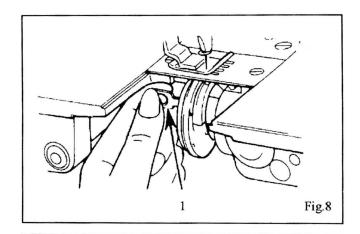




Switch off the machine.

Hold bobbin so that thread will unwind in the direction shown in Fig. 5 and place the bobbin into bobbin case.

Pull the thread into slot (1) and under the tension spring (2) and into slot (3) as shown in Fig. 6. Then draw thread into delivery eye (A or B), as shown in Fig. 6. Use delivery eye (A) for sewing light weight material, as shown in Fig. 7. Use delivery eye (B) for sewing medium weight material.



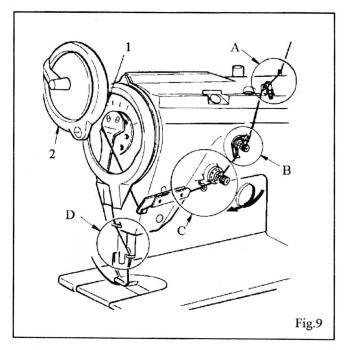


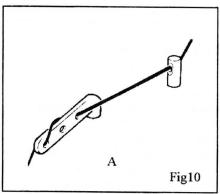
Switch off the machine.

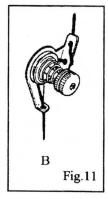
Do not operate machine with throat plate left open.

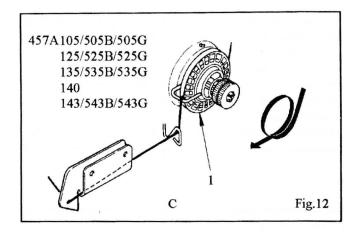
Open latch (1) and remove bobbin case from sewing hook. (Fig. 8)

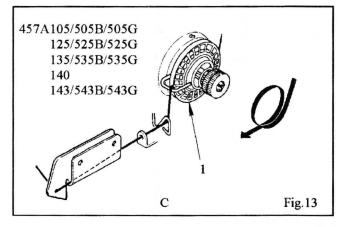
THREADING THE MACHINE

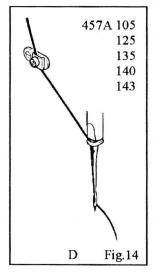


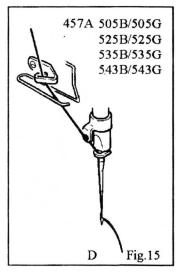


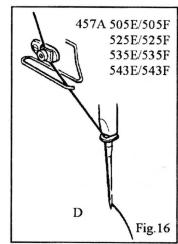














Switch off the machine.

Do not operate machine with the cover (2) (See Fig. 9) left open.

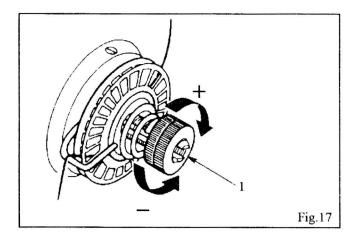
Check and make sure no thread is caught in the rotary takeup before threading the machine.

CAUTION: Be careful not to injure your fingers with the thread cutter (1), Fig. 9, on the face plate when threading the rotary take-up.

Pass the thread from the unwinder through threading points A (Fig. 10), B (Fig. 11), C (Figs. 12 and 13) and D (Figs. 14, 15 and 16) in the order shown.

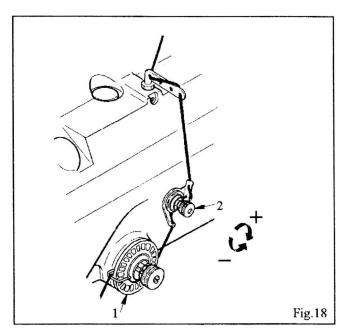
NOTE: When passing thread through threading point C (Figs. 12 and 13), wind thread around rotary tension wheel (1) once.

REGULATING THE NEEDLE THREAD TENSION



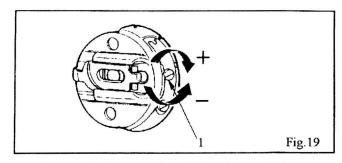
Regulate needle thread tension with tension regulating thumb nut (1) as shown in Fig. 17.

REGULATING THE PRETENSION



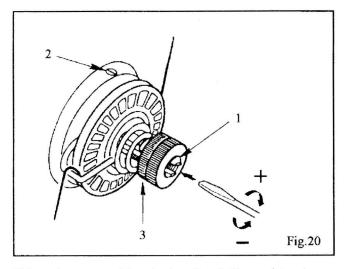
Pretension thumb nut (2) should be adjusted so that the needle thread will rotate the rotary tension wheel (1) without slippage. (Fig. 18)

REGULATING THE BOBBIN THREAD TENSION



Regulate bobbin thread tension with tension regulating screw (1) as shown in Fig. 19.

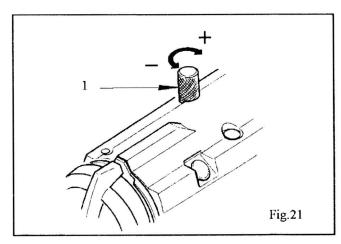
REGULATING THE TAKE-UP SPRING



Using a large screwdriver in slot of stud (1), regulate take-up spring tension by turning stud (1), as required.

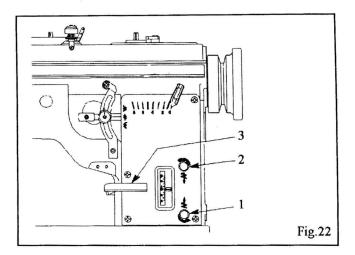
To adjust the amount of take-up spring movement, loosen screw (2), Fig. 20, and set take-up spring height by turning the entire tension assembly (3) toward left or right, as required. Securely tighten screw (2).

REGULATING THE PRESSER FOOT PRESSURE



To regulate the presser foot pressure, turn knurled thumb screw (1), Fig. 21, toward left or right as required.

REGULATING THE STITCH LENGTH (457A 105/125/135/143/505/525/535/543)

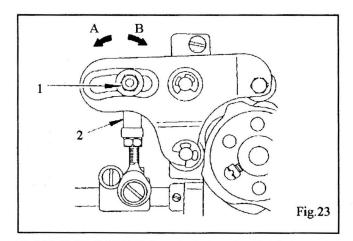


To regulate stitch length for forward feed, turn stitch length regulating screw stud (1), Fig. 22, clockwise to shorten the stitch length and counterclockwise to lengthen the stitch length.

To regulate stitch length for reverse feed, turn stitch length regulating screw stud (2), Fig. 22, clockwise to shorten the stitch length and counterclockwise to lengthen the stitch length.

To change the direction of feed for back tacking, depress feed reverse lever (3) quickly to lowest position and hold lever (3) in this position until back tack is completed. The machine will return to forward feed when lever (3) is released.

REGULATING THE STITCH LENGTH (457A140)





Switch off the machine.

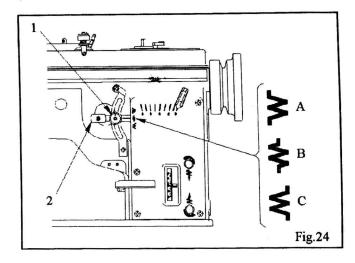
Set sewing head upright again using both hands. Danger of crushing between sewing head and table top.

To regulate the stitch length, tip machine back on its hinges, loosen lock nut (1) and turn rod (2), as required. (Fig. 23)

To make the stitch length longer, move rod (2) in the direction of arrow (A).

To shorten the stitch length, move rod (2) in the direction of arrow (D).

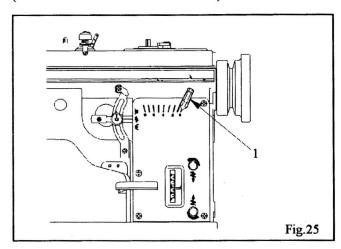
SELECTING THE NEEDLE POSITION (457A 105/125/135/140/505/525/535)



To select desired needle position, loosen thumb nut (1) and move lever (2) to desired needle position & tighten thumb nut.

- A... Left needle position
- B... Center needle position
- C ... Right needle position

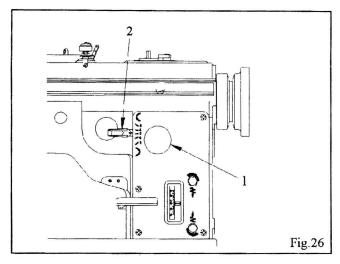
SETTING THE STITCH WIDTH (457A 105/125/135/140/505/525/535)



The width of zigzag stitch is regulated with lever (1), Fig. 25.

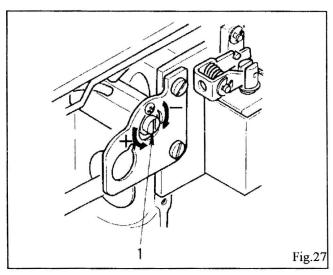
 $457A125/525 \cdots 0 \sim 5$ mm $457A105/135/140/505/535 \cdots 0 \sim 8$ mm

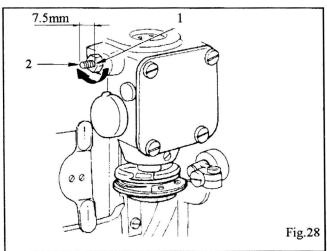
SETTING THE STITCH WIDTH (457A 143/543)



To regulate the width of zigzag stitch, loosen thumb screw(1), Fig. 26, and set lever (2) to desired setting.

REGULATING THE AMOUNT OF OIL FLOW TO SEWING HOOK







Switch off the machine.

Set sewing head upright again using both hands. Danger of crushing between sewing head and table top.

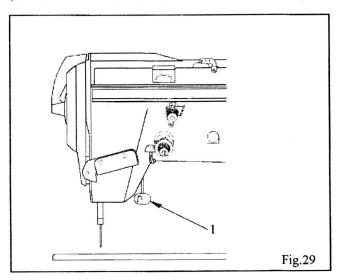
To regulate the amount of oil flow to sewing hook, tip machine back on its hinges and turn oil flow regulating valve (1) as shown in Fig. 27.

To decrease the amount of oil flow, turn valve clockwise. To increase the amount of oil flow, turn valve counterclockwise.

NOTE: If oil supply to sewing hook is still not sufficient even when oil flow regulating valve (1) is adjusted to maximum, loosen nut (1), Fig. 28, and turn oil flow regulating screw (2) in the direction of arrow

(Oil flow regulating screw (2) is adjusted to approximately 7.5mm when machine leaves the factory.)

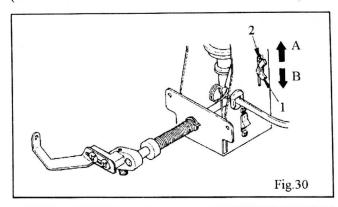
BACK TACK SWITCH (457A505G/505F/525G/525F/535G/535F/543G/543F)



Push back tack switch (1), Fig. 29, for back tacking. The machine will continue to sew in reverse while the back tack switch is pushed.

ADJUSTING THE SLACK NEEDLE THREAD REGULATOR

(457A 505E/505F/525E/525F/535E/535F/543E/543F)





Switch off the machine.

To adjust the slackness of the needle thread, loosen wing bolt (1) and slide it up or down, as required, using the indicator (2) and graduation as a yardstick as shown in Fig. 30.

Move wing bolt upward in the direction of arrow (A) to increase slackness.

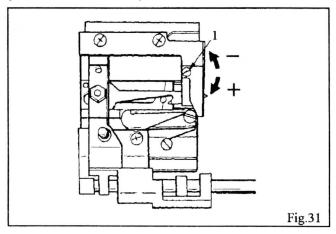
Move wing bolt downward in the direction of arrow (B) to decrease slackness.

NOTE: Excessive slackness of the needle thread may cause birds nest and thread breakage at start of sewing. Insufficient slackness may result in needle thread being pulled out of needle eye, skip stitching and needle breakage at start of sewing.

> When slack needle thread regulator function is not required, turn off switch (3) shown in Fig. 30.

ADJUSTING THE BOBBIN THREAD HOLDER

(457A 505/525/535/543)





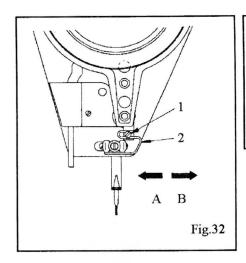
Switch off the machine. Set sewing head upright again using both hands. Danger of crushing between sewing head and table top.

To adjust the length of thread end remaining on the underside of the material at start of sewing, tip machine back on its hinges and turn adjusting screw (1) as shown in Fig. 31.

To increase the length of thread end, turn adjusting screw (1) clockwise.

To decrease the length of thread end, turn adjusting screw (1) counterclockwise.

ADJUSTING THE LENGTH OF THREAD END IN NEEDLE EYE (457A 505/525/535/543)





Switch off the machine.

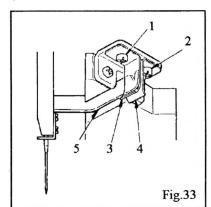
To adjust the length of thread end remaining in the needle eye, loosen screw (1), Fig. 32, and move face plate thread puller (2), as required.

To shorten the thread end, move thread puller in the direction of arrow (A).

To lengthen the thread end, move thread puller in the direction of arrow (B).

ADJUSTING THE NEEDLE THREAD HOLDER **PULLER**

(457A 505E/505F/525E/525F/535E/535F/543E/543F)

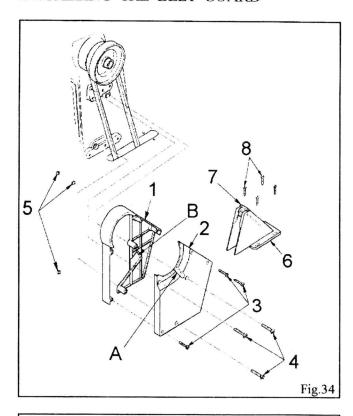




machine.

To adjust the holding strength of needle thread holder puller, loosen screws (1) and (2), Fig. 33, and adjust the pressure of the needle thread holder puller springs (3) and (4) against needle thread holder puller.

INSTALLING THE BELT GUARD





Switch off the machine.

Set sewing head upright again using both hands. Danger of crushing between sewing head and table top.

Do not run machine without belt guard! Danger of inaccidents!

Above table surface

Fasten belt guards (1) and (2) to machine head with belt guard screws (3) and (4) and also with nuts (5) as shown in Fig. 34. Then fasten belt guard (6) to table with wood screws (8) making sure it will not interfere with belt guard (1) and (2), and so that the V-belt will rest against the belt guard slide (7) when machine is tipped back on its hinges.

When installing belt guard for machines with thread trimmer, remove portion "A" from belt guard (2).

When installing belt guard for machines with touch back system remove portion "A" and "B" from belt guard (1) and (2).

Below table surface

Install belt guard so that motor pulley and V-belt will rotate freely without interference.

SPECIFICATIONS

Stitch type: see table page 10 Variety: see table page 10

Machine pully: 74mm effective dia. for V-belt

Needle catalog No.: see table page 10

Needle size: see table page 10

Fabric clearance:

105/125/135/140/143 : 6.2mm 505/525/535/543 : 5.7mm

Workspace width: 280mm
Workspace hight: 120mm
Bed dimensions: 477 × 178mm
Max.stitch length: see table page 10
Max.sewing speed: see table page 10

Subject to alterations in design and dimensions.

MACHINE CARE



Switch off the machine.

Set sewing head upright again using both hands. Danger of crushing between sewing head and table top.

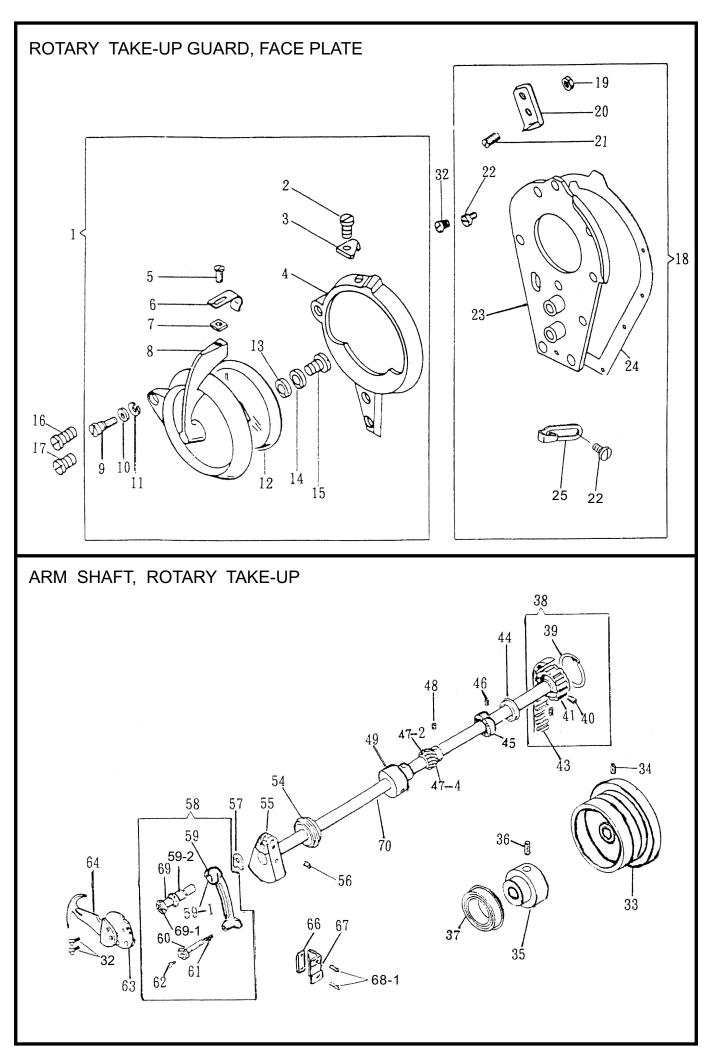
When the machine is in regular use, remove the lint and dust from around sewing hook area once a day.

A machine in frequent use should be cleaned and oiled more frequently.

Variety	Stitch type	Max. sewing speed in s.p.m ▲	Max. needle bight	Max. stitch length	Needle catalog No (Needle system)
105L				1.3 mm	1906-07
1000		7.00	8.0 mm	20 SPI	(135×53 M Ball)
105M	1		8.0 11111	5.1 mm	1906-01
103M			*	5 SPI	(135×53)
1001	7			2.0 mm	1906-07
125L	304(zigzag lockstitch)	5 000	5.0	13 SPI	(135×53 M Ball)
1054	1	5, 000	5.0 mm	4.2 mm	1906-01
125M				6 SPI	(135×53)
1051	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	73 1 2 1 5		1.3 mm	1906-07
135L				20 SPI	(135×53 M Ball)
1054	7 \ \ \ \	1		2.5 mm	1906-01
135M	321(3 step zigzag)			10 SPI	(135×53)
	. 111.		2	6.5 mm	8752-64
140M	1 111	4, 500			(135×53 Lg G
	fagot stitch			1	Ecc L Ball)
			8.0 mm	1.3 mm	1906-07
143L	Nx			20 SPI	(135×53 M Ball)
1.404	$- N^{WWW}_{N}N^{WWW}$	4, 200		2.5 mm	1906-01
143M	scalop stitch			10 SPI	(135×53)
EDEL				1.3 mm	1906-07
505L				20 SPI	(135×53 M Ball)
505M	$\setminus \land \land \land \land \land \land$			5.1 mm	1906-01
эоэм] \/ \/ \/			5 SPI	(135×53)
5051	7			2.0 mm	1906-07
525L	304(zigzag lockstitch)	5 000	5.0	13 SPI	(135×53 M Ball)
525M		5, 000	5.0 mm	4.2 mm	1906-01
020W				6 SPI	(135×53)
535L				1.3 mm	1906-07
JJJL	\bot \land \land			20 SPI	(135×53 M Ball)
535M	\top \vee \vee \setminus			2.5 mm	1906-01
535M	321(3 step zigzag)		9.0	10 SPI	(135×53)
5431			8.0 mm	1.3 mm	1906-07
543L	Jh	4 800		10 SPI	(135×53 M Ball)
5.42M	- WWWWyyWWWy	4, 200		2.5 mm	1906-01
543M	scalop stitch			10 SPI	(135×53)

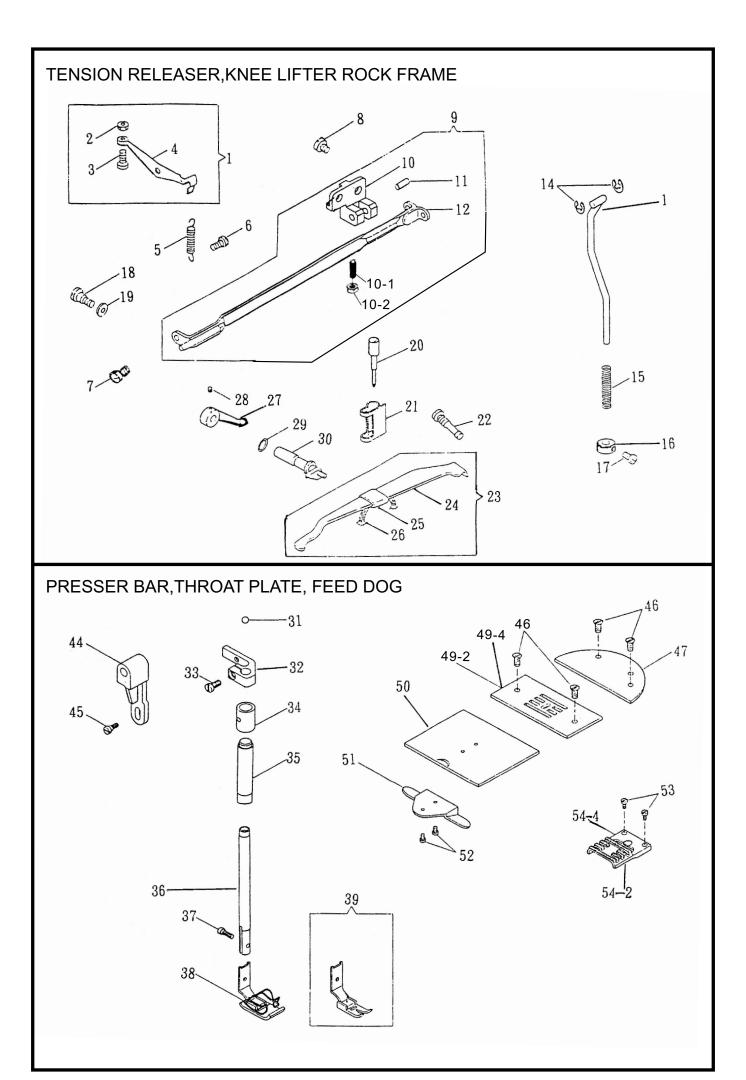
CONTENTS

F1.	ROTARY TAKE-UP GUARD, FACE PLATE	1
F1.	ARM SHAFT , ROTARY TAKE-UP	1
F2.	TENSION RELEASER, KNEE LIFTER ROCK FRAME	-2
F2.	PRESSER BAR , THROAT PLATE , FEED DOG	2
F3.	NEEDLE BAR YOKE , NEEDLE	3
F3.	NEEDLE BAR CONNECTING LINK (FOR 105/125)	
F4.	NEEDLE BAR CONNECTING LINK (FOR 135/140)	4
F4.	NEEDLE BAR CONNECTING LINK (FOR 143)	4
F5.	NEEDLE VIBRATING YOKE CONNECTING LINK CARRIER FRAME (FOR 105/125/135/140)-	5
F5.	NEEDLE VIBRATING YOKE CONNECTING LINK CARRIER FRAME (FOR 143)	
F6.	FEED REGURATING INDICATOR ,LINK	
F6.	NEEDLE VIBRATING ADJUSTING BRACKET	6
F7.	ARM COVER (TOP) (ASSEMBLY)	
F7.	PRETENSION , TENSION	7
F8.	HOOK , BOBBIN CASE	
F8.	HOOK SHAFT , BEVEL GEAR	
F9.	FEED DRIVING CONNECTION , CARRIER FRAME	
F9.	FEED CONTROL CAM	
	FEED DRIVING ROCK SHAFT CRANK	
	BED SHAFT	
	ARM COVER (BACK)	
F11.	OIL PUMP BODY	-11
	OIL RESERVOIR AND KNEE LIFTER	
	ACCESSORIES	
F13	BELT GUARD THREAD INWINDER (2-SPOOL)	-13



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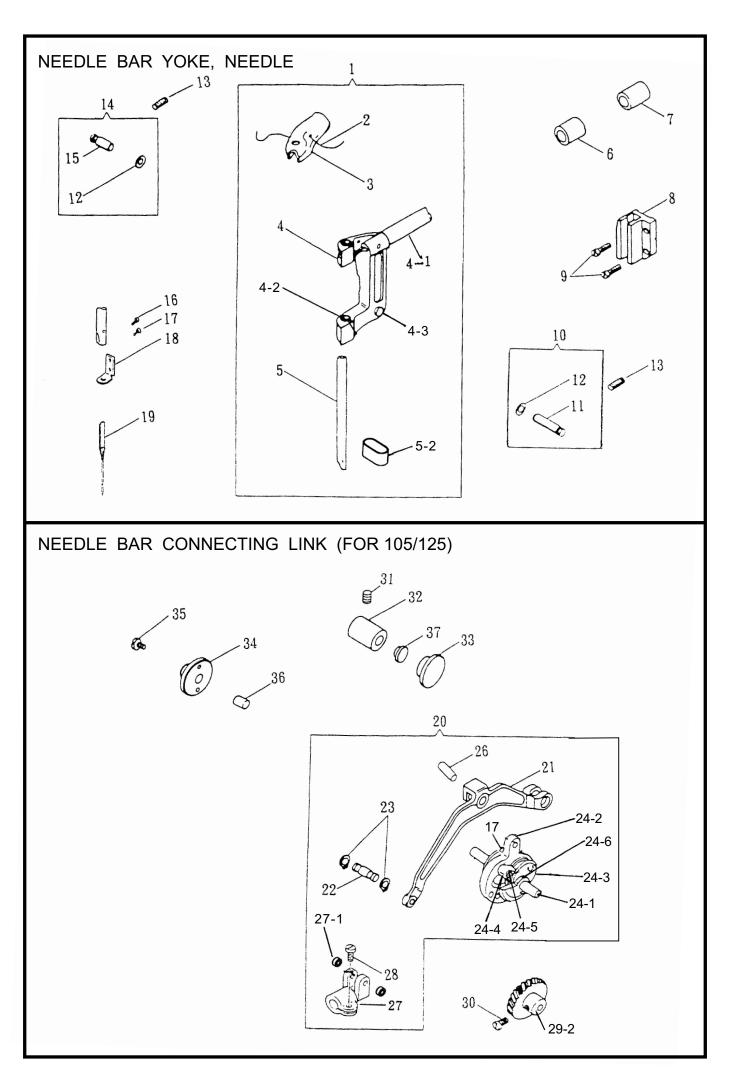
F1-02P THREAD CUTTER 和W 1 THREAD CUTTER ACT AT THREAD CUTTER ACT	REF. NO.部件編	號 DESCRIPTION 說明	QTY. 需求量
F1-03 THREAD CUTTER 指線刀 F1-04 ROTARY TAKE-UP GUARD (A) 活動蛋(A) F1-05P ROTART TAKE-UP SCREW 繼續 F1-06 ROTART TAKE-UP GUARD SPING CATCH 押片勾 F1-07 WASHER 整片 F1-07 WASHER 整片 F1-08 ROTARY TAKE-UP GUARD COVER (B) 活動蛋(B) F1-09 ROTARU TAKE-UP GUARD COVER (B) 活動蛋(B) F1-109 ROTARU TAKE-UP GUARD HINGE WASHER 整個 F1-10 ROTARY TAKE-UP GUARD HINGE WASHER 管理 F1-12 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C型型图 F1-11 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C型型图 F1-14 TOTARY TAKE-UP WASHER 整個 F1-14 TOTARY TAKE-UP GUARD SCREW (LONG) 螺须 F1-15P TOTARY TAKE-UP GUARD SCREW (LONG) 螺须 F1-16P TOTARY TAKE-UP GUARD SCREW (LONG) 螺须 F1-17P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺须 F1-18P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺须 F1-18P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺须 F1-18P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺须 F1-19P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺须 F1-18P TOTARY TAKE-UP GUARD SCREW (SHORT) 塚须 F1-18P TOTARY TAKE-UP GUARD SCREW (SHORT) 塚须 F1-18P TOTARY TAKE-UP GUARD SCREW 塚须 F1-18P THREAD CUTTER SCREW 塚须 F1-18P THREAD CUTTE			1110 0
F1-04 ROTARY TAKE-UP GUARD (A) 通動蓋(A) F1-05P ROTART TAKE-UP GUARD SPRING CATCH 開片勾 F1-06 ROTART TAKE-UP GUARD SPRING CATCH 開片勾 F1-07 WASHER 整片 F1-08 ROTARY TAKE-UP GUARD COVER (B) 活動蓋(B) F1-09P ROTARY TAKE-UP GUARD HINGE WASHER 整關 F1-10 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C 型勢國 F1-11 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C 型勢國 F1-12 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C 型勢國 F1-13 TOTARY TAKE-UP GUARD COVER WINDOW 護鏡 F1-13 TOTARY TAKE-UP WASHER 學園 F1-14 TOTARY TAKE-UP WASHER 學園 F1-15P TOTARY TAKE-UP GUARD SCREW (LONG) 姚道 F1-16P TOTARY TAKE-UP GUARD SCREW (LONG) 姚道 F1-17P TOTARY TAKE-UP GUARD SCREW (LONG) 姚道 F1-18P TOTARY TAKE-UP GUARD SCREW (SHORT) 姚道 F1-19W THREAD CUTTER SCREW WINT 继行 F1-19W THREAD CUTTER SCREW WINT 继行 F1-20 THREAD CUTTER SCREW WINT 经 F1-22P THERAD CUTTER SCREW WINT F1-22P THERAD CUTTER SCREW WINT F1-23 FACE PLATE GASKET 前遊析 F1-24 FACE PLATE GASKET 前遊析 F1-25 TAKE-UP THREAD GUIDE 旅遊門 F1-26 TAKE-UP THREAD GUIDE 旅遊門 F1-27 TAKE-UP THREAD GUIDE KIR WINT F1-38P MACHINE PULLEY SCREW WINT F1-38P MACHINE MACHINE MACHIN	F1-02P	THREAD CUTTER CREW 螺釘	1
F1-05P ROTART TAKE-UP SCREW 銀貨 F1-07 WASHER 執月 F1-08 ROTARY TAKE-UP GUARD SPRING CATCH 預片均 F1-09 ROTARY TAKE-UP GUARD COVER (B) 活動流(B) F1-09P ROTARY TAKE-UP GUARD HINGE WASHER 執題 F1-10 ROTARY TAKE-UP GUARD HINGE WASHER 素體 F1-11 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C型等性 F1-12 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C型等性 F1-13 TOTARY TAKE-UP GUARD HINGE SPRING WASHER C型等性 F1-14 TOTARY TAKE-UP WASHER 禁題 F1-15P TOTARY TAKE-UP WASHER 禁題 F1-16P TOTARY TAKE-UP GUARD SCREW (LONG) 螺貨 F1-17P TOTARY TAKE-UP GUARD SCREW (LONG) 螺貨 F1-18 FACE PLATE CORL) 前着线程 F1-19W THREAD CUTTER SCREW W銀貨 F1-20 THREAD CUTTER SCREW W銀貨 F1-21P THREAD CUTTER SCREW W銀貨 F1-22P THREAD CUTTER SCREW W銀貨 F1-23 FACE PLATE GASKET 前海线 F1-24F FACE PLATE GASKET 防海线 F1-25 TAKE-UP THREAD GUIDE 排除符片 F1-33 MACHINE PULLEY 皮带输 F1-33 MACHINE PULLEY 以表带输 F1-34P MACHINE PULLEY 以表带输 F1-35 BEARING FIXED STAND 帧 KIRE STAND M		THREAD CUTTER 割線刀	1
F1-06 ROTART TAKE-UP GUARD SPRING CATCH 標片句 F1-07 WASHER 乾片 F1-08 ROTARY TAKE-UP SCREW 健介 F1-08 ROTARY TAKE-UP SCREW 健介 F1-10 ROTARY TAKE-UP SCREW 健介 F1-11 ROTART TAKE-UP GUARD HINGE WASHER 勢優 F1-11 ROTART TAKE-UP GUARD HINGE SPRING WASHER 受險 F1-12 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C受險 F1-13 TOTARY TAKE-UP GUARD HINGE SPRING WASHER C受險 F1-14 TOTARY TAKE-UP WASHER 整屬 F1-15 TOTARY TAKE-UP GUARD COVER WINDOW 證鏡 F1-16 TOTARY TAKE-UP WASHER 整屬 F1-16 TOTARY TAKE-UP GUARD SCREW (LONG) 機ց F1-16 TOTARY TAKE-UP GUARD SCREW (LONG) 機ց F1-16 TOTARY TAKE-UP GUARD SCREW (SHORT) 健身 F1-17 TOTARY TAKE-UP GUARD SCREW (SHORT) 健身 F1-18 FACE PLATE (CPL.) 前蓋根側 F1-19 THEAD CUTTER SCREW WIT 銀月 F1-19 THEAD CUTTER SCREW WIT 銀月 F1-20 THREAD CUTTER SCREW WIT 銀月 F1-21 THREAD CUTTER SCREW WIT 銀月 F1-22 THERAD CUTTER SCREW WIT 第月 F1-23 FACE PLATE GASKET 前蓋根 F1-24 FACE PLATE GASKET 前蓋根 F1-25 TAKE-UP THREAD GUIDE 北線導月 F1-26 TAKE-UP THREAD GUIDE 北線導月 F1-27 TAKE-UP THREAD GUIDE 北線導月 F1-32 FACE PLATE GASKET 前並中 F1-32 FACE PLATE GASKET 前蓋根 F1-34 FACE PLATE GASKET 前立地市 F1-35 TAKE-UP THREAD GUIDE 北線導月 F1-36 TAKE-UP THREAD GUIDE 北線導月 F1-37 TAKE-UP THREAD GUIDE 北線導月 F1-38 MACHINE PULLEY SCREW 總貨 F1-38 MACHINE PULLEY SCREW 總貨 F1-39 FACE PLATE SCREW 總貨 F1-39 BEARING FIXED STAND 前北高市區 F1-30 MACHINE PULLEY SCREW 總貨 F1-31 ARM SHAFT TORNIECTION BELT PULLEY (ROC. DITER) F1-32 BEARING FIXED STAND 前北高市區 F1-34 BARM SHAFT CONNIECTION BELT PULLEY (ROC. DITER) F1-34 BARM SHAFT CONNIECTION BELT PULLEY (ROC. DITER) F1-35 BEARING FIXED STAND 前北高市區 F1-36 BOBBIN WINDER DRIVING WHEEL 北東海域 F1-47 ARM SHAFT CONNIECTION BELT PULLEY (ROC. DITER) F1-36 BOBBIN WINDER DRIVING WHEEL 北東海域 F1-47 ARM SHAFT CONNIECTION BELT PULLEY (ROC. DITER) F1-48 BOBBIN WINDER DRIVING WHEEL 北東海域 F1-47 ARM SHAFT CONNIECTION BELT PULLEY (ROC. DITER) F1-48 BOBBIN WINDER DRIVING WHEEL 北東海域 F1-49 ARM SHAFT SCREW BILD FIRE THE BURNER (FIRE THE BURNER (FIRE THE BURNER FIRE FIRE FIRE FIRE FIRE FIRE FIRE FI		ROTARY TAKE-UP GUARD (A) 活動蓋(A)	1
F1-07 WASHER 韩宁 F1-09 ROTARY TAKE-UP GUARD COVER (B) 范動蓋(B) F1-09 P ROTARU TAKE-UP GUARD HINGE WASHER 帝國 F1-10 ROTARY TAKE-UP GUARD HINGE WASHER 帝國 F1-11 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C型韓國 F1-12 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C型韓國 F1-13 TOTARY TAKE-UP WASHER 華國 F1-14 TOTARY TAKE-UP WASHER 華國 F1-15 TOTARY TAKE-UP WASHER 華國 F1-16 TOTARY TAKE-UP GUARD COVER WINDOW 護總 F1-16 TOTARY TAKE-UP WASHER 華國 F1-17 TOTARY TAKE-UP GUARD SCREW (LONG) 體質 F1-18 TOTARY TAKE-UP GUARD SCREW (SHORT) 課意 F1-19 THREAD CUTTER SCREW W## F1-20 THREAD CUTTER SCREW W## F1-21 THREAD CUTTER SCREW W## F1-22 THREAD CUTTER SCREW W## F1-23 FACE PLATE GASKET 前遊松 F1-24 FACE PLATE GASKET 前遊松 F1-25 TAKE-UP THREAD GUIDE #KR#H F1-33 FACE PLATE GASKET 前遊松 F1-34P MACHINE PULLEY 皮帶輸 F1-33 MACHINE PULLEY 皮帶輸 F1-34P MACHINE PULLEY CREW ### F1-35 BEARING FIXED STAND 軸東衛岸華 F1-36P ARM SHAFT THRUST CALLAR SET SCREW ### F1-37 ARM SHAFT THRUST CALLAR SET SCREW ### F1-38 ARM SHAFT CONNECTION BELT PULLEY (IND 投來帶輸租 F1-39 ARM SHAFT CONNECTION BELT PULLEY (IND 投來帶輸租 F1-39 ARM SHAFT CONNECTION BELT PULLEY (IND 投來帶輸租 F1-44 ARM SHAFT CONNECTION BELT PULLEY SCREW ### F1-45 BOBBIN WINDER DRIVING WHEEL SET SCREW ### F1-46 BOBBIN WINDER DRIVING WHEEL SET SCREW ### F1-47-2 NEEDLE VIRTARIO PINION (2) 競特(2) F1-47-4 NEEDLE VIRTARIO PINION (3) 競問 ### F1-48 NEADLE SAR CRONNECTION BELT PULLEY FIND OUT ### F1-49 ARM SHAFT CONNECTION BELT PULLEY FIND OUT ### F1-40 ARM SHAFT CONNECTION BELT PULLEY SCREW ### F1-41 ARM SHAFT CONNECTION BELT PULLEY SCREW ### F1-43 ARM SHAFT CONNECTION BELT PULLEY SCREW ### F1-44 ARM SHAFT CONNECTION BELT PULLEY SCREW ### F1-45 BOBBIN WINDER DRIVING WHEEL SET SCREW ### F1-46 BOBBIN WINDER DRIVING WHEEL SET SCREW ### F1-47-2 NEEDLE VIRTARIO PINION (2) SHR(2) F1-48 NEEDLE SAR CONNECTING STANC *### F1-69 NEEDLE SAR CONNECTING STANC *### F1-66 ENDOLE SAR CONNECTING		ROTART TAKE-UP SCREW 螺釘	1
F1-08 ROTARY TAKE-UP GUARD COVER (B) 活動素(B) F1-09 ROTARY TAKE-UP SCREW 機能 F1-10 ROTARY TAKE-UP GUARD HINGE WASHER 勢層 F1-11 ROTARY TAKE-UP GUARD HINGE SPRING WASHER で			1
F1-09P ROTARU TAKE-UP SCREW 姚栓 F1-10 ROTARY TAKE-UP GUARD HINGE WASHER 幸國 F1-11 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C型榮國 F1-12 ROTARY TAKE-UP GUARD COVER WINDOW 護鏡 F1-13 TOTARY TAKE-UP WASHER 禁國 F1-14 TOTARY TAKE-UP WASHER 禁國 F1-15P TOTARY TAKE-UP WASHER 禁國 F1-16P TOTARY TAKE-UP WASHER 禁國 F1-16P TOTARY TAKE-UP WASHER 禁國 F1-16P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺钉 F1-16P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺钉 F1-17P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺钉 F1-18 FACE PLATE (CPL.) IIT 造型量			1
F1-10 ROTARY TAKE-UP GUARD HINGE WASHER 常知 F1-11 ROTARY TAKE-UP GUARD HINGE SPRING WASHER C型墊圈 F1-12 ROTARY TAKE-UP WASHER 整體 F1-13 TOTARY TAKE-UP WASHER 整體 F1-14 TOTARY TAKE-UP WASHER 整體 F1-15P TOTARY TAKE-UP WASHER 整體 F1-15P TOTARY TAKE-UP SCREW 樂章: F1-16P TOTARY TAKE-UP SCREW 樂章: F1-16P TOTARY TAKE-UP GUARD SCREW (LONG) 樂章 F1-17P TOTARY TAKE-UP GUARD SCREW (SHORT) 樂章 F1-17P TOTARY TAKE-UP GUARD SCREW (SHORT) 樂章 F1-17P TOTARY TAKE-UP GUARD SCREW (LONG) 樂章 F1-17P THREAD CUTTER SCREW W章 F1-17P THREAD GUIDE 非核學片 F1-29 FACE PLATE GASKET 前遭转片 F1-29 FACE PLATE GASKET 前遭转片 F1-29 FACE PLATE SCREW W章 F1-39 MACHINE PULLEY SCREW W章 F1-39 BEARING FIXED STAND 帕汞闭闭 中17P F1-29 FACE PLATE SCREW W章 F1-39 BEARING FIXED STAND 帕汞闭闭 中17P F1-29 FACE PLATE SCREW W章 F1-39 ARM SHAFT TORNECTION BELT PULLEY (CPL.) 同步皮帶輪I F1-40 ARM SHAFT GONNECTION BELT PULLEY (PSTEW W章 F1-39 ARM SHAFT CONNECTION BELT PULLEY (PSTEW W章 F1-49 ARM SHAFT DEADLE VIBRATING PINION (PSTEW W章 F1-49 ARM SHAFT DEADLE VIBRATING PINION (PSTEW W章 F1-49 ARM SHAFT BALLBEARING NFW) (PSTEW W章 F1-49 ARM SHAFT DONNECTION BELT PULLEY (PSTEW W章 F1-49 ARM SHAFT DONNECTION BELT PULLEY (PSTEW W章 F1-49 ARM SH			1
F1-11 ROTART TAKE-UP GUARD COVER WINDOW 議範 F1-12 ROTARY TAKE-UP WORDER COVER WINDOW 議範 F1-13 TOTARY TAKE-UP WASHER 禁國 F1-14 TOTARY TAKE-UP WASHER 禁國 F1-15P TOTARY TAKE-UP WASHER 禁國 F1-16P TOTARY TAKE-UP WASHER 禁國 F1-16P TOTARY TAKE-UP SCREW 概算 F1-17P TOTARY TAKE-UP GUARD SCREW (LONG) 螺钉 F1-17P TOTARY TAKE-UP GUARD SCREW (SHORT) 螺钉 F1-18P TAKE-UP TOTARY TAKE-UP GUARD SCREW (SHORT) 螺钉 F1-19W THREAD CUTTER SCREW WINT 螺钉 F1-2D THREAD CUTTER SCREW WINT 螺钉 F1-2D THREAD CUTTER SCREW WINT 螺钉 F1-21P THREAD CUTTER SCREW WINT 螺钉 F1-22P THERAD CUTTER SCREW WINT F1-22P THERAD CUTTER SCREW WINT F1-23P FACE PLATE GASKET 前途校 F1-24 FACE PLATE GASKET 前途校 F1-25 TAKE-UP THREAD GUIDE 张禄坪 F1-33 FACE PLATE GASKET 前途校 F1-35 TAKE-UP THREAD GUIDE 张禄坪 F1-36P ARM SHAFT THRUST CALLAR SET SCREW 姚芗 F1-38P BEARING FIXED STAND 邮水商产率 F1-38P ARM SHAFT THRUST CALLAR SET SCREW 姚芗 F1-38 ARM SHAFT THRUST CALLAR SET SCREW 姚芗 F1-39 ARM SHAFT TONNECTION BELT PULLEY (PD J J J J J J J J J J J J J J J J J J J		ROTARU TAKE-UP SCREW 螺栓	1
F1-12 ROTARY TAKE-UP GUARD COVER WINDOW 護鏡 F1-13 TOTARY TAKE-UP WASHER 整個 F1-14 TOTARY TAKE-UP WASHER 整個 F1-15P TOTARY TAKE-UP SCREW 機會 F1-16P TOTARY TAKE-UP SCREW 機會 F1-16P TOTARY TAKE-UP GUARD SCREW (LONG) 機質 F1-17P TOTARY TAKE-UP GUARD SCREW (LONG) 機質 F1-18 FACE PLATE (CPL.) 前差機額 F1-18 FACE PLATE (CPL.) 前差機額 F1-18 FACE PLATE (CPL.) 前差機額 F1-19W THREAD CUTTER SCREW NUT 继母 F1-20 THREAD CUTTER SCREW WINT F1-21P THREAD CUTTER SCREW WINT F1-22P THERAD CUTTER SCREW WINT F1-22P THERAD CUTTER SCREW WINT F1-23 FACE PLATE GASKET 前差性 F1-24 FACE PLATE GASKET 前差性 F1-25 TAKE-UP THREAD GUIDE 接線時 F1-30 MACHINE PULLEY 皮帶輸 F1-33 MACHINE PULLEY 皮帶輸 F1-34P MACHINE PULLEY SCREW 機續 F1-35 BEARING FIXED STAND 軸承固定性 F1-36P ARM SHAFT TORNECTION BELT PULLEY(CPL.) 同步皮帶輸 F1-37 ARM SHAFT CONNECTION BELT PULLEY (同步皮帶輸 F1-39 ARM SHAFT CONNECTION BELT PULLEY (DPLEY 機算 F1-40 ARM SHAFT CONNECTION BELT PULLEY (DPLEY 機算 F1-41 ARM SHAFT CONNECTION BELT PULLEY (DPLEY 機算 F1-42 ARM SHAFT CONNECTION BELT PULLEY (DPLEY 機算 F1-43 ARM SHAFT CONNECTION BELT PULLEY (DPLEY 機算 F1-44 ARM SHAFT CONNECTION BELT PULLEY (DPLEY 機算 F1-44 ARM SHAFT CONNECTION BELT PULLEY (DPLEY 機算 F1-45 BOBBIN WINDER DRIVING WHEEL SET SCREW 機算 F1-46 BOBBIN WINDER DRIVING WHEEL SET SCREW 機算 F1-47-2 NEEDLE VIBRATING PINION (2) 動構(2) 動構(2) HELD WASHING PINION (2) 動構(2) 動構(2) HELD WASHING PINION (2) 助精(2) HELD WASHING PINION (2) 助精(2) HELD WASHING PINION (2) DET HELD WASHING PINION (2) DET HELD WASHING PINION (2) DET HELD WASH		ROTARY TAKE-UP GUARD HINGE WASHER 墊圈	2
F1-13 TOTARY TAKE-UP WASHER 禁圈	F1-11	ROTART TAKE-UP GUARD HINGE SPRING WASHER C型墊圈	1
F1-15P TOTARY TAKE-UP WASHER 禁層 F1-15P TOTARY TAKE-UP SCREW W\$ F1-16P TOTARY TAKE-UP GUARD SCREW (LONG) 禁診 F1-16P TOTARY TAKE-UP GUARD SCREW (SHORT) 禁診 F1-18 FACE PLATE (CPL.) 前差核射 F1-19W THREAD CUTTER SCREW NUT 難段 F1-20 THREAD CUTTER SCREW NUT 難段 F1-21P THREAD CUTTER SCREW W\$ F1-22P THERAD CUTTER SCREW W\$ F1-23 FACE PLATE GASKET 前益校 F1-24 FACE PLATE GASKET 前益校 F1-25 TAKE-UP THREAD GUIDE 挑綠導片 F1-33 FACE PLATE GASKET 前益校 F1-33 MACHINE PULLEY 皮帶输 F1-34P MACHINE PULLEY 皮帶输 F1-35 BEARING FIXED STAND 抽水固定率 F1-36P ARM SHAFT THRUST CALLAR SET SCREW 嫌診 F1-38 ARM SHAFT TONNECTION BELT PULLEY (CPL.) 同步皮帶輸組 F1-39 ARM SHAFT CONNECTION BELT PULLEY (CPL.) 同步皮帶輸組 F1-40P ARM SHAFT CONNECTION BELT PULLEY (CPL.) 同步皮帶輸組 F1-41 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-43 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-44 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-45 BOBBIN WINDER DRIVING WHEEL 摩塔商输 F1-46 BOBBIN WINDER DRIVING WHEEL FIRM SHAFT SCREW 難診 F1-47 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-47 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-48 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-49 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-41 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-42 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-43 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮帶輸 F1-44 ARM SHAFT CONNECTION BELT PULLEY (EPL.) 同步皮带输 F1-45 BOBBIN WINDER DRIVING WHEEL 摩塔商输 F1-46 BOBBIN WINDER DRIVING WHEEL FIRM SHAFT (EPL.) HE FIRM SHA		ROTARY TAKE-UP GUARD COVER WINDOW 護鏡	
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F1-20 THREAD CUTTER (ON FACE PLATE) 訓練刀 F1-21P THREAD CUTTER SCREW 螺貨 F1-22P THERAD CUTTER SCREW 螺貨 F1-22P THERAD CUTTER SCREW 螺貨 F1-23 FACE PLATE GASKET 前海特 F1-24 FACE PLATE GASKET 前海特 F1-25 TAKE-UP THREAD GUIDE 挑線導片 F1-32P FACE PLATE SCREW 螺貨 F1-32P FACE PLATE SCREW 螺貨 F1-33 MACHINE PULLEY 皮骨輪 F1-34P MACHINE PULLEY 皮骨輪 F1-35 BEARING FIXED STAND 帕水固定座 F1-36P ARM SHAFT THRUST CALLAR SET SCREW 螺貨 F1-37 ARM SHAFT THRUST CALLAR SET SCREW 螺貨 F1-39 ARM SHAFT CONNECTION BELT PULLEY (PCL.) 同步皮骨輪組 F1-39 ARM SHAFT CONNECTION BELT PULLEY (SET SCREW 螺貨 F1-40P ARM SHAFT CONNECTION BELT PULLEY SET SCREW 螺貨 F1-41 ARM SHAFT CONNECTION BELT PULLEY SET SCREW 螺貨 F1-44 ARM SHAFT CONNECTION BELT PULLEY SET SCREW 螺貨 F1-45 BOBBIN WINDER DRIVING WHEEL SET SCREW 螺貨 F1-46P BOBBIN WINDER DRIVING WHEEL SET SCREW 螺貨 F1-47-2 NEEDLE VIBRATING PINION (2) 輪桿(2) F1-47-2 NEEDLE VIBRATING PINION (2) 輪桿(2) F1-49 ARM SHAFT BUSHING (CENTER) 上輪套織中) F1-50 NEEDLE BAR CRANK STUD POSITION SCREW 螺貨 F1-51 NEEDLE BAR CRANK STUD POSITION SCREW 螺貨 F1-52 NEEDLE BAR CRANK STUD POSITION SCREW 螺貨 F1-59 NEEDLE BAR CONNECTING LINK \$FR MISH MISH MISH MISH MISH MISH MISH MISH			
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F1-56P NEEDLE BAR CRANK STUD POSITION SCREW 螺釘 F1-57 NEEDLE BAR CRANK THRUST WASHER 定向墊片 F1-58 NEEDLE BAR CONNECTING CONNECTING LINK (CPL.) 針柱驅動組 F1-59 NEEDLE BAR CONNECTING LINK 針柱驅動連桿 F1-59-1 NEEDLE BAR CONNECTING LINK BEARING 套筒 F1-59-2 NEEDLE DRIVING LEVER BEARING 針驅動桿軸承 F1-60 NEEDLE BAR CONNECTING STUD 針柱夾 F1-61 NEEDLE BAR CONNECTING STUD 針柱夾 F1-61 NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP XPP F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-68-1P SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓		ARM SHAFT BALLBEARING	1
F1-57 NEEDLE BAR CRANK THRUST WASHER 定向墊片 F1-58 NEEDLE BAR CONNECTING CONNECTING LINK (CPL.) 針柱驅動組 F1-59 NEEDLE BAR CONNECTING LINK 針柱驅動連桿 F1-59-1 NEEDLE BAR CONNECTING LINK BEARING 套筒 F1-59-2 NEEDLE DRIVING LEVER BEARING 套筒 F1-60 NEEDLE BAR CONNECTING STUD 針柱夾 F1-61 NEEDLE BAR CONNECTING STUD 針柱夾 F1-61 NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP TAKE-U			
F1-58 NEEDLE BAR CONNECTING CONNECTING LINK (CPL.) 針柱驅動組 F1-59 NEEDLE BAR CONNECTING LINK 針柱驅動連桿 F1-59-1 NEEDLE BAR CONNECTING LINK BEARING 套筒 F1-59-2 NEEDLE DRIVING LEVER BEARING 針驅動桿軸承 F1-60 NEEDLE BAR CONNECTING STUD 針柱夾 F1-61 NEEDLE BAR OIL FELT CORD 油蕊 F1-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓			4
F1-59 NEEDLE BAR CONNECTING LINK 針柱驅動連桿 F1-59-1 NEEDLE BAR CONNECTING LINK BEARING 套筒 F1-59-2 NEEDLE DRIVING LEVER BEARING 針驅動桿軸承 F1-60 NEEDLE BAR CONNECTING STUD 針柱夾 F1-61 NEEDLE BAR OIL FELT CORD 油蕊 F1-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓			111
F1-59-1 NEEDLE BAR CONNECTING LINK BEARING 套筒 F1-59-2 NEEDLE DRIVING LEVER BEARING 針驅動桿軸承 F1-60 NEEDLE BAR CONNECTING STUD 針柱夾 F1-61 NEEDLE BAR OIL FELT CORD 油蕊 F1-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP TA			
F1-59-2 NEEDLE DRIVING LEVER BEARING 針驅動桿軸承 F1-60 NEEDLE BAR CONNECTING STUD 針柱夾 F1-61 NEEDLE BAR OIL FELT CORD 油蕊 F1-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP 天秤 F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓		NEEDLE BAR CONNECTING LINK 針柱驅動連桿	1
F1-60 NEEDLE BAR CONNECTING STUD 針柱夾 15-61 NEEDLE BAR OIL FELT CORD 油芯 15-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 15-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 15-64 ROTARY TAKE-UP TAKE			1
F1-61 NEEDLE BAR OIL FELT CORD 油蕊 F1-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP天秤 F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-68-1P SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓			1 1
F1-62P NEEDLE BAR CONNECTING STUD SCREW 螺釘 F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP FT F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-68-1P SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓			
F1-63 ROTARY TAKE-UP MOUNTUING DISK 天秤定向片 F1-64 ROTARY TAKE-UP 天秤 F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-68-1P SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓			1
F1-64 ROTARY TAKE-UP天秤 F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-68-1P SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓		NEEDLE BAK CONNECTING STUD SCREW 螺鎖	1
F1-66 ENNDLE BAR CONNECTING LINK CLAMPING PLATE 固定片 F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 1 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-68-1P SCREW 螺釘 2 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 1 F1-69-1 PIN 栓			1
F1-67 NEEDLE BAR CONNECTING LINK GUID BLOCK 導軌 F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-68-1P SCREW 螺釘 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓			1
F1-68P NEEDLE BAR CONNECTING LINK GUID BLOCK SCREW 螺釘 F1-68-1P SCREW 螺釘 ZF1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 F1-69-1 PIN 栓			1
F1-68-1P SCREW 螺釘 2 F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 1 F1-69-1 PIN 栓 1			1
F1-69 NEEDLE BAR CONNECTING CRANK STUD 傳動曲軸 1 F1-69-1 PIN 栓 1			2
F1-69-1 PIN 栓 1			2
			1 1
FI-/U ARIVI SHAFI, ROTART TARE-UP 工土相		· · · · —	1 1
	F1-70	ANWI SHAFT, KUTAKT TAKE-UP 上土粗	1 1



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UPPER SHAFT MACHANISM

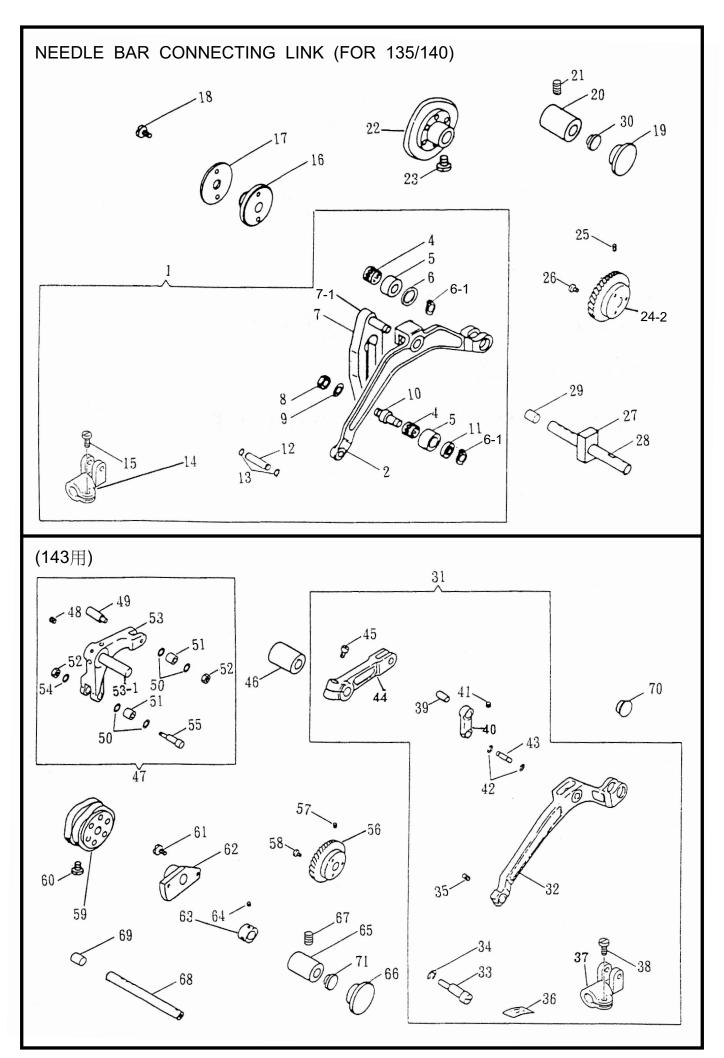
	FT WACHAMOW	
REF. NO.部件編號		QTY. 需求量
F2-01	TENSION RELEASER (CPL.) 鬆緊釋放組	
F2-02W	TENSION RELEASER ADJUSTING SCREW NUT 螺母	1
F2-03P	TENSION RELEASER ADJUSTING SCREW 螺釘	1
F2-04	TENSION RELEASER 釋放柄	1
F2-05	TENSION RELEASER SPRING 彈簧	1
F2-06P	TENSION RELEASER SCREW 螺釘	1
F2-07P	KNEE LIFTER ROCK FRAME HINGE SCREW 螺釘	1
F2-08P	KNEE LIFTER ROCK FRAME HINGE LOCK SCREW 螺釘	2
F2-09	KNEE LIFTER ROCK FRAME (CPL.) 膝提搖桿組	
F2-10	KNEE LIFTER ROCK FRAME HINGE 搖桿固定架	1
F2-10-1P	SCREW 螺釘	1
F2-10-2W	NUT 螺母	1
F2-11	KNEE LIFTER ROCK FRAME HINGE STUD PIN 插栓	1
F2-12	KNEE LIFTER ROCK FRAME 膝提搖桿	1
F2-13	KNEE LIFTER LIFTING ROD (ASS'Y) 搖桿驅動柄	1
F2-14	KNEE LIFTER LIFTING ROD RING E型扣環	2
F2-15	KNEE LIFTER LIFTING ROD SPRING 釋放彈簧	1
F2-16	KNEE LIFTER LIFTING ROD SPRING COLLAR 固定圏	i
F2-17P	KNEE LIFTER LIFTING ROD SPRING SCREW 螺釘	1
F2-20	PRESSER BAR SPRING ADJUSTING SCREW 活動栓	
F2-20	PRESSER BAR SPRING ADJUSTING SCREW FRICTION 彈力來	1
F2-21 F2-22P	PRESSER BAR SPRING SCREW 螺釘	+ +
F2-22P F2-23	PRESSER BAR SPRING SCREW 緊迫 PRESSER BAR SPRING (CPL.) 壓力板組	
	PRESSER BAR SPRING (CPL.) <u>壓力板組</u> PRESSER BAR SPRING 壓力彈簧板	4
F2-24	PRESSER BAR SPRING 壓力彈黃板 PRESSER BAR SPRING TUBE 橡膠套圈	1
F2-25	PRESSER BAR SPRING TUBE	1
F2-26	PRESSER BAR SPRING WICK 油蕊	1
F2-27	PRESSER BAR LIFTER (CPL.) 手提柄	1
F2-28P	PRESSER BAR LIFTER SET SCREW 螺釘	1
F2-29	PRESSER BAR LIFTTING CAM STUD O-RING 橡膠油封	1
F2-30	PRESSER BAR LIFTTING CAM STUD (CPL.) 手轉軸	11
F2-31	PRESSER BAR BALL 鋼珠	1
F2-32	PRESSER BAR POSITION GUIDE 手提導位柄	1
F2-33P	PRESSER BAR POSITION GUIDE SCREW 螺釘	1
F2-34	PRESSER BAR BUSHING COVER 塑膠護套	1
F2-35	PRESSER BAR BUSHING 壓腳柱軸套筒	1
F2-36	PRESSER BAR 壓腳柱	1
F2-37P	PRESSER FOOT SCREW 螺钉	1
F2-38	PRESSER FOOT (HINGED) (CPL.) 壓腳	1
F2-39	PRESSER FOOT (HINGED) (CPL.) 壓腳組	1
F2-44	PRESSER BAR LIFTING CAM CATCH 手提傳動桿	1
F2-45P	PRESSER BAR LIFTING LINK SCREW螺釘	1
F2-46P	BED PLATE SCREW 螺釘	4
F2-47	BED PLATE 半圓角板	1
F2-49-2	THROAT PLATE 針板(小2點)	1
F2-49-4	THROAT PLATE 針板(大2點)	1
F2-49-4 F2-50	BED SLIDE 角板	+ +
F2-50 F2-51	BED SLIDE A版 BED SLIDE SPRING 角板下夾片	1
F2-51 F2-52P		
	BED SLIDE SPRING SCREW 螺釘	2
F2-53P	FEED DOG SCREW 螺釘	2
F2-54-2	FEED DOG (2) 送布齒(2)	1
F2-54-4	FEED DOG (4) 送布齒(4)	11
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		+
	1	



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NEEDLE BAR MECHANISM-FEED MECHANISM

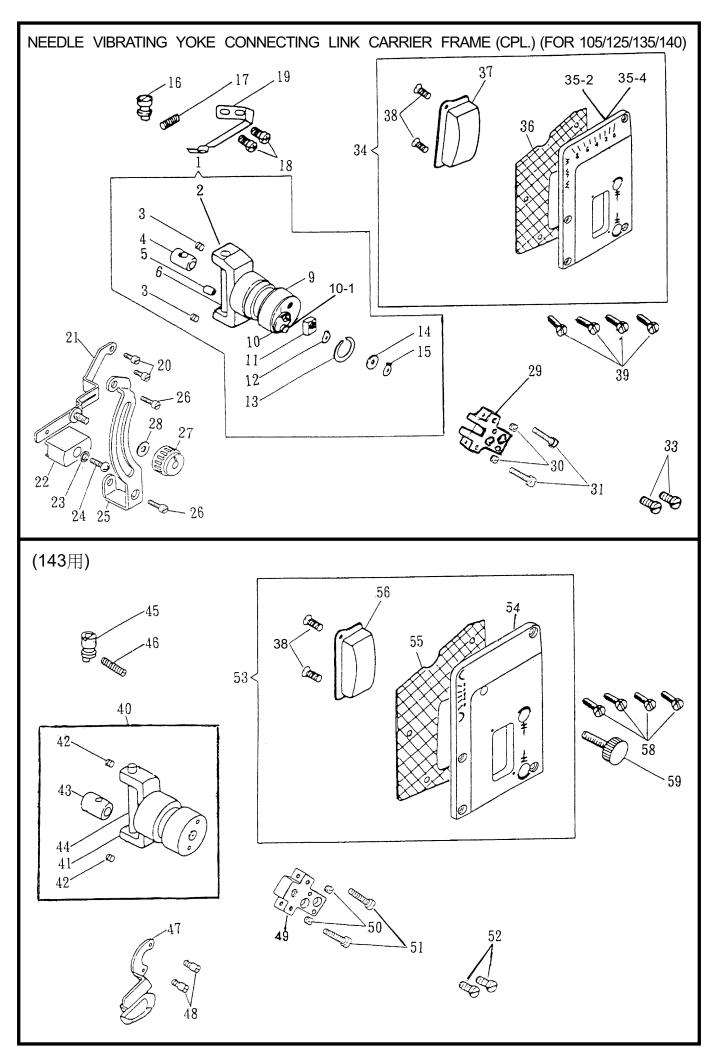
F3-01	DESCRIPTION 説明	QTY. 需求
	NEEDLE BAR YOKE (ASS;Y) 針柱組	
F3-02	NEEDLE BAR OIL FELT CORD 固定線	1
F3-03	NEEDLE BAR OIL FELT 油棉	2
F3-04	NEEDLE BAR YOKE 針柱台	1 1
F3-04-1	NEEDLE BAR BUSHING 針柱台滑軸	1
F3-04-2	FIXED BLOCK 針柱套筒	2
F3-04-3	NEEDLE BAR SHAFT BUSHING 固定塊	2
F3-05	NEEDLE GOOD FRAME 針柱	1
F3-05-2	NEEDLE BAR 針棒框	1
F3-06	NEEDLE BAR YOKE SHAFT BUSHING (FRONT) 滑軸套筒(前)	1
F3-07	NEEDLE BAR YOKE SHAFT BUSHING (BACK) 滑軸套筒(後)	1
F3-08	NEEDLE BAR CONNECTING STUD GUIDE BLOCK 針柱行程導塊	1
F3-09P	NEEDLE BAR CONNECTING STUD GUIDE BLOCK SCREW 螺釘	2
F3-10	NEEDLE BAR YOKE GUIDE (FRONT) (CPL.) 頂栓組	
F3-10	NEEDLE BAR YOKE GUIDE (FRONT) 頂栓(長)	1
F3-11	NEEDLE BAR YOKE GUIDE (FRONT) 貝柱(長)	2
	NEEDLE BAR YOKE GUIDE SEAL 像脸圈 NEEDLE BAR YOKE GUIDE SET SCREW 螺釘	
F3-13P	NEEDLE BAR YOKE GUIDE SET SCREW 緊動	2
F3-14	NEEDLE BAR YOKE GUIDE (REAR) (CPL.) 頂栓組	
F3-15	NEEDLE BAR YOKEGUKDE (REAR) 頂栓(短)	1
F3-16P	NEEDLE BAR THREAD GUIDE SCREW 螺釘	1
F3-17P	NEEDLE SET SCREW 螺釘	1
F3-18	NEEDLE BAR THREAD GUIDE 過線片	1
F3-19	NEEDLE #10 針	1
F3-20	NEEDLE BAR CONN. LINK (CPL.) 移位推柄組	<u> </u>
F3-21	NEEDLE BAR CONN. LINK 移位推柄	1
F3-22	NEEDLE BAR CONN. LINK HINGE STUD 軸栓	1
F3-23	NEEDLE BAR CONN. LINK HINGE STUD SNAP RING E型扣環	2
F3-23	NEEDLE BAR CONN. LINK HINGE STOD SNAP KING E型扣環 HOOK SHAFT 固定軸心	1
F3-24-1 F3-24-2		
	SWINGING SLIDE 擺動滑板	1
F3-24-3	ECCENTRIC 偏心塊	2
F3-24-4	ECCENTRIC FERRULE 偏心塊環圈	2
F3-24-5	HOOK SHAFT 固定軸心	1
F3-24-6	PIN 固定銷	2
F3-26	NEEDLE BAR CONN. LINK STUD 插栓	1
F3-27	NEEDLE BAR CONN. LINK HINGE BEARING 連結套	1
F3-27-1	BUSHING 套筒(銅)	2
F3-28P	NEEDLE BAR CONN. LINK HINGE BEARING SCREW 螺釘	1
F3-29-2	NEEDLE VIBRATING ECC. SHAFT GEAR 齒輪	1
F3-30P	NEEDLE VIBRATING ECC. SHAFT GEAR SET SCREW 螺釘	2
F3-31P	NEEDLE VIBRATING CAM SHAFT BUSHING SCREW 螺釘	1
F3-311	NEEDLE VIBRATING CAM SHAFT BUSHING (FRONT) 軸套	1 1
F3-33	NEEDLE VIBRATING CAM SHAFT BUSHING CAP 橡膠塞	1 1
F3-34	NEEDLE VIBRATING CAM SHAFT BUSHING (BACK) 崁入軸套	1
F3-35P	NEEDLE VIBRATING CAM SHAFT BUSHING (BACK) 妖人軸長	2
	NEEDLE VIBRATING CAM SHAFT BUSHING SCREW 蝶頭	
F3-36 F3-37	NEEDLE VIBRATING CAM SHAFT OIL HOLE PLUG 橡膠塞	1
F3-31	NEEDLE VIBRATING CAM SHAFT BUSHING PLUG 橡胶基	111



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PULLY MECHANISM

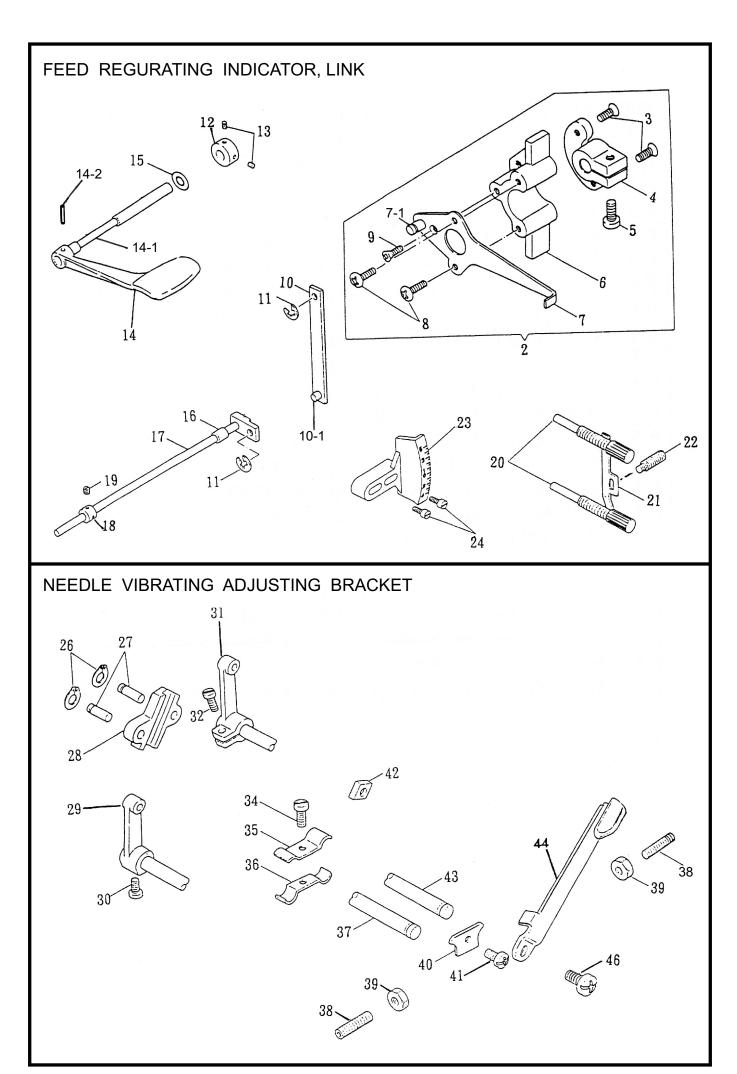
PULLY MEC		
REF. NO.部件編		QTY. 需求量
F4-01	NEEDLE BAR CONN. LINK (CLP.) 移位推柄組	
F4-02 F4-04	NEEDLE BAR CONN. LINK 移位推柄 NEEDLE VIBRATING CAM ROLLER BEARING CAGE 滾針軸承	1
F4-04 F4-05	NEEDLE VIBRATING CAM ROLLER 軸承套	2 2
F4-06	NEEDLE BAR YOKE CONN. LINK SNAP RING 墊圈	4
F4-06-1	NEEDLE BAR CONN. LINK HINGE STUD SNAP RING E型扣環	1
F4-07	NEEDLE VIBRATING CAM ROLLER GUIDE (CPL.) 導軌座	1
F4-07-1	NEEDLE VIBARTING CAM SHAFT 固定軸心	1
F4-08W	NEEDLE VIBRATING CAM (ECC.) NUT 螺母	1
F4-09	NEEDLE VIBRATING CAM ROLLÉR WASHER 墊圈	1
F4-10	NEEDLE VIBRATING CAM ROLLER STUD (ECC.) 雙頭螺栓	1
F4-11	NEEDLE VIBRATING CAM ROLLER WASHER 墊圈	
F4-12	NEEDLE BAR CONN. LINK HINGE STUD 軸栓	
F4-13	NEEDLE BAR CONN. LINK HINGE STUD SNAP RING E型扣環	2
F4-14	NEEDLE BAR CONN. LINK HINGE BEARING 連結套 NEEDLE BAR CONN. LINK HINGE BEARING SCREW 螺釘	1
F4-15P F4-16	NEEDLE BAR CONN. LINK HINGE BEARING SCREW 緊到 NEEDLE VIBRATING CAM SHAFT BUSHING (BACK)	<u> </u>
F4-16 F4-17	NEEDLE VIBRATING CAM SHAFT BUSHING (BACK) 較大軸套 NEEDLE VIBRATING CAM SHAFT BUSHING (BACK) 軸套墊圈	1
F4-17 F4-18P	NEEDLE VIBRATING CAM SHAFT BUSHING (BACK) 軸長至極 NEEDLE VIBRATING CAM SHAFT BUSHING SCREW 螺釘	2
F4-10F	NEEDLE VIBRATING CAM SHAFT BUSHING CAP 橡膠塞	1
F4-20	NEEDLE VIBRATING CAM SHAFT BUSHING (FRONT) 軸承	-
F4-21P	NEEDLE VIBRATING CAM SHAFT BUSHING SCREW 螺釘	
F4-22	NEEDLE VIBRATING CAM 花樣凸輪	
F4-23P	NEEDLE VIBRATING CAM SET SCREW 螺釘	2
F4-24-2	NEEDLE VIBRATING WORM WHEEL 齒輪	1 1
F4-25P	NEEDLE VIBRATING WORM WHEEL SCREW 螺釘	2
F4-26P	NEEDLE VIBRATING WORM WHEEL DISC SCREW 螺釘	3
F4-27	NEEDLE VIBRATING CAM SHAFT SLIDE BLOCK 四方滑塊	1
F4-28	NEEDLE VIBRATING CAM SHAFT 軸心	1
F4-29	NEEDLE VIBRATING CAM SHAFT OIL HOLE PLUG 橡膠塞	1
F4-30	NEEDLE VIBRATING CAM SHAFT BUSHING PLUG 橡膠塞	1
F4-31	NEEDLE BAR CONN. LINK (CPL.)	
F4-32	NEEDLE BAR CONN. LINK	
F4-33	NEEDLE BAR CONN. LINK HINGE STUD (ECC.)	1
F4-34	NEEDLE BAR CONN. LINK HINGE STUD SNAP RING NEEDLE BAR CONN. LINK HINGE STUD SCREW	
F4-35P	NEEDLE BAR CONN. LINK HINGE STOD SCREW	
F4-36 F4-37	NEEDLE BAR CONN. LINK HINGE BEARING NEEDLE BAR CONN. LINK HINGE BEARING	1
F4-38P	NEEDLE BAR CONN. LINK HINGE BEARING SCREW	1
F4-39	NEEDLE BAR CONN. LINK PIN	
F4-40	NEEDLE BAR CONN. LINK DRIVING LEVER LINK	
F4-41P	NEEDLE BAR CONN. LINK SCREW	1
F4-42	NEEDLE BAR CONN. LINK RETAINING RING	2
F4-43	NEEDLE BAR CONN. LINK PIN	1
F4-44	NEEDLE BAR CONN. LINK DRIVING LEVER	1
F4-45P	NEEDLE BAR CONN. LINK SCREW	1
F4-46	Z/Z CAM FOLLOWER LEVER SHAFT BUSHING	1
F4-47	Z/Z CAM FOLLOWER LEVER SHAFT (CPL.)	
F4-48	Z/Z CAM FOLLOWER LEVER SET SCREW	
F4-49	Z/Z CAM FOLLOWER ROLLER HINGE STUD	1 1
F4-50	Z/Z CAM FOLLOWER ROLLER THRUST WASHER	4
F4-51	Z/Z CAM FOLLOWER ROLLER	2
F4-52W	Z/Z CAM FOLLOWER ROLLER NUT	2
F4-53	Z/Z CAM FOLLOWER LEVER (CPL.) Z/Z CAM FOLLOWER ROLLER HINGE STUD WASHER	4
F4-54	Z/Z CAM FOLLOWER ROLLER HINGE STUD WASHER Z/Z CAM FOLLOWER ROLLER HINGE STUD (ECC.)	1
F4-55 F4-56	NEEDLE VIBRATING WORM WHEEL	1
F4-56 F4-57P	NEEDLE VIBRATING WORM WHEEL SCREW	2
F4-58P	NEEDLE VIBRATING WORM WHEEL DISC SCREW	3
F4-59	NEEDLE VIBRATING CAM	1
F4-60P	NEEDLE VIBRATING CAM SCREW	1
F4-61P	NEEDLE VIBRATING CAM (BACK) SCREW	2
F4-62	NEEDLE VIBRATING CAM SHAFT BUSHING (BACK)	1 1
F4-63	NEEDLE VIBRATING CAM SHAFT COLLER `	1
F4-64P	NEEDLE VIBRATING CAM SHAFT COLLER SCREW	2
F4-65	NEEDLE VIBRATING CAM SHAFT BUSHING	1
F4-66	NEEDLE VIBRATING CAM SHAFT BUSHING CAP	1
F4-67P	NEEDLE VIBRATING CAM SHAFT BUSHING SCREW	
F4-68	NEEDLE VIBRATING CAM SHAFT	
F4-69	NEEDLE VIBRATING CAM SHAFT OIL HOLE PLUG	
F4-70	NEEDLE POSITION FING ADJ. HOLE PLUG	1 1
F4-71	NEEDLE VIBRATING CAM SHAFT BUSHING PLUG	11
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From the library of: Superior Sowing Machine & Supply LLC

PRESSER BAR MECHANISM

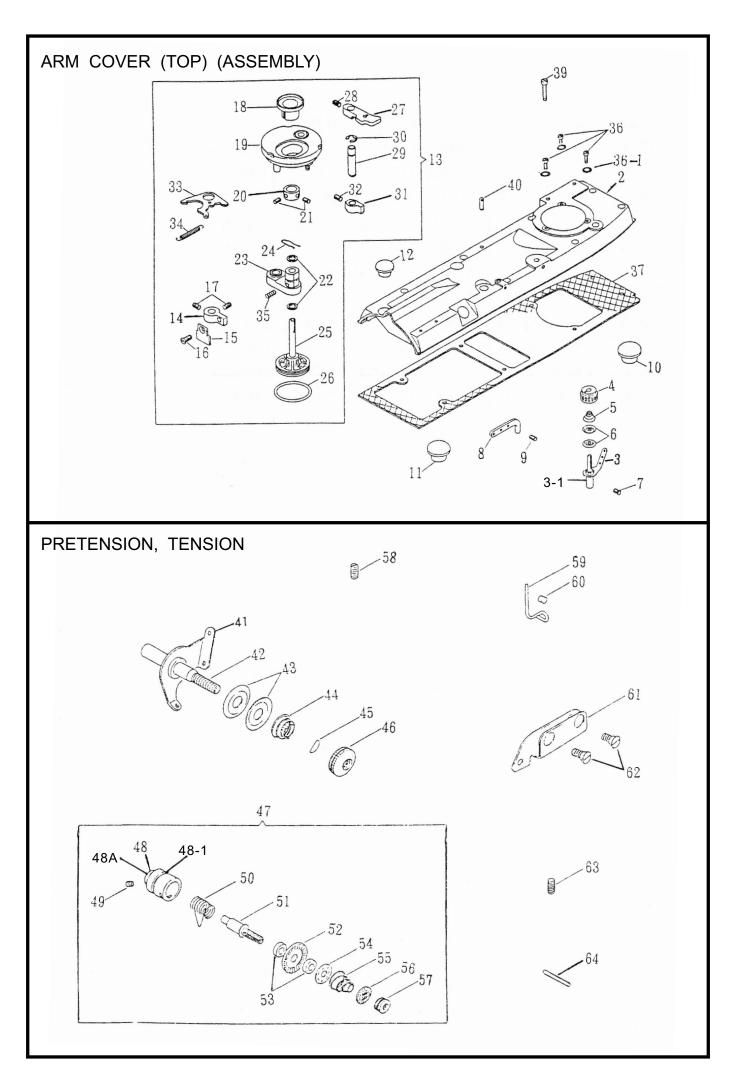
	DESCRIPTION 說明	QTY. 需求
EF. NO.部件編號 F5-01	NEEDLE BISRATING YOKE. CARRIER FRAME. ADJ. BUSHING 幅度定位組	Q i i mis
F5-02	NEEDLE BISRATING YOKE. LINK CARRIER FRAME	1
F5-03P	NEEDLE BISRATING YOKE, LINK CARRIER FRAME SCREW 螺釘	2
F5-04	NEEDLE BISRATING YOKE, LINK SCIDE BEARING 滑軸	1
	NEEDLE BISRATING TOKE, LINK SCIDE BEAKING 指軸 NEEDLE BISRATING YOKE, LINK CARRIER FRAME STUD 橡膠塞	+ +
<u>F5-05</u>		1 1
<u>F5-06</u>	NEEDLE BISRATING YOKE. LINK SLIDE STUD 固定軸	1
F5-09	NEEDLE POSITION ADJ. ECC. BUSHING (LARGE) 偏心凸輪	1
F5-10	NEEDLE POSITION ADJ. ECC. BUSHING (SMALL) 偏心凸輪內軸	1
F5-10-1	PIN 插栓	1
F5-11	NEEDLE POSITION ADJ. ECC. BUSHING (SMALL) 滑塊	1
F5-12	NEEDLE POSITION ADJ. ECC. BUSHING (SMALL) 墊圈	1
F5-13	NEEDLE POSITION ADJ. ECC. BUSHING (SMALL) 扣環	2
F5-14	NEEDLE VIBRATING YOKE CONN. CUP SPRING 墊圈	1
F5-14 F5-15	NEEDLE VIBRATING YOKE CONN. SNAP RING 担環	+ +
	NEEDLE VIBRATING TORE CONN. SNAP KING 打場	1 1
<u>F5-16</u>	NEEDLE POSITION ADJ. CAM REGULATING STUD 調即繁任	1 1
<u>F5-17P</u>	NEEDLE POSITION ADJ. SCREW 螺釘	1 1
F5-18P	NEEDLE POSITION ADJ. SCREW 螺釘	2
F5-19	NEEDLE POSITION ADJ. ECC. POSITION SPRING 固定彈片	1
F5-20P	NEEDLE POSITION ADJ. ECC. STOP SCREW 螺釘	2
F5-21	NEEDLE POSITION (FINE POSITION) ADJ. LEVER 擺幅調節柄	1
F5-22	NEEDLE POSITION (FINE POSITION) ADJ. LEVER 塑膠提柄	1 1
F5-23	NEEDLE POSITION (FINE POSITION) ADJ. LEVEN 型形成的	1 1
	NEEDLE POSITION SCREW WASHER 整樹	+ 1
F5-24P		+ 1
F5-25	NEEDLE POSITION (FINE POSITION) ADJ. LEVER BRACKET 擺幅調節架	1 1
F5-26P	NEEDLE POSITION SCREW. 螺釘	2
F5-27	NEEDLE POSITION (FINE POSITION) ADJ. LEVER KNOB. 調節螺母	1
F5-28	NEEDLE POSITION (FINE POSITION) ADJ. WASHER 墊圈	1
F5-29	NEEDLE POSITION ADJ. ECC. SLIDÉ BLOCK BRACKET (CPL) 定幅滑塊座	1
F5-30P	NEEDLE POSITION SCREW. 螺釘	2
F5-31P	NEEDLE POSITION ADJ. CAM STOP SCREW 螺钉	2
F5-33P	NEEDLE POSITION ADS. CAM STOP SCILLY 緊動	2
	ARM COVER (FRONT) (CPL.)	
F5-34	ARMI COVER (FRONT) (CFL.) 推幅刻度恢射	
F5-35-2	SCALE DIVISION KNEADING BOARD 擺幅刻度面板(2)	1 1
F5-35-4	SCALE DIVISION KNEADING BOARD 擺幅刻度面板(4)	1
F5-36	ARM COVER (FRONT) GASKET 防油墊片	1
F5-37	STICH LENGTH INDICATOR PLATE WINDOW 目視鏡	1
F5-38P	TICH LENGTH INDICATOR PLATE WINDOW SCREW 螺釘	4
F5-39P	ARM COVER (FRONT) SCREW 螺釘	4
F5-40	NEEDLE BISRATING YOKE. CONN. LINK CARRIER FRAME (CPL)	
	NEEDLE BISRATING TOKE. CONN. LINK CARRIER FRAME	1
<u>F5-41</u>		
<u>F5-42P</u>	NEEDLE BISRATING YOKE. LINK CARRIER FRAME SCREW	2
<u>F5-43</u>	NEEDLE BISRATING YOKE. CONN. LINK SLIDE BEARING	1 1
F5-44	NEEDLE BISRATING YOKE. CONN. LINK SLIDE STUD	1
F5-45	NEEDLE POSITION ADJ. CAM REGULAT STUD	1
F5-46P	NEEDLE POSITION ADJ. SCREW	1
F5-47	NEEDLE POSITION ADJ. LEVER	1
F5-48P	NEEDLE POSITION ADJ. ECC. STOP SCREW	2
F5-49	NEEDLE POSITION ADJ. ECC. SLIDE BLOCK BRACKET	1
	NEEDLE POSITION ADJ. SET SCREW	2
F5-50P		
F5-51P	NEEDLE POSITION ADJ. CAM STOP SCREW	2
<u>F5-52P</u>	NEEDLE POSITION ADJ. ECC. SCREW	2
F5-53	ARM COVER (FRONT) (CPL.)	
F5-54	ARM COVER (FRONT), GASKET	1
F5-55	ARM COVER (FRONT), GASKET	1
F5-56	STITCH LENGTH INDICATOR PLATE WINDOW	1
F5-58P	ARM CDVER (FRONT) SCREW	4
F5-59	NEEDLE POSITION ASJUSTING CAM SET SCREW	1 1
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From the library of: Superior Sewing Machine & Supply LLC

LOOPER MECHANISM

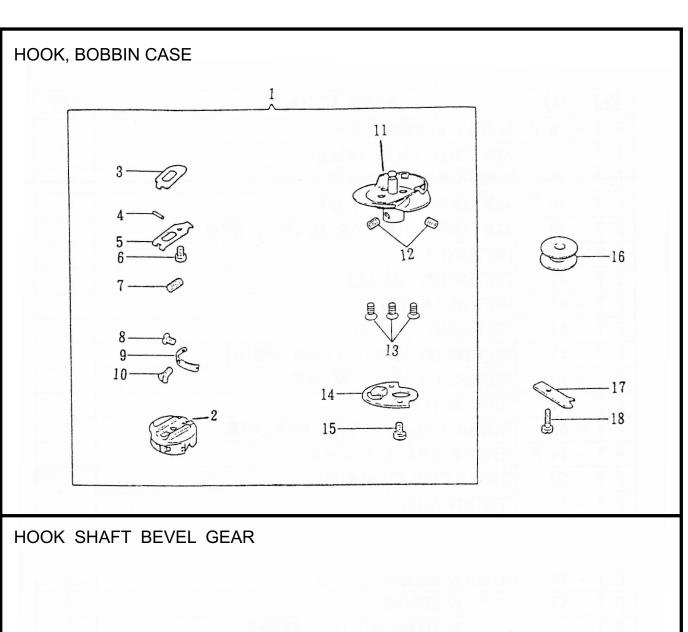
LOOPER ME	CHAMOM	
REF. NO.部件編號		QTY. 需求量
F6-02	FEED REGULATING INDICATOR (CPL.) 送布往返傳動組	
F6-03P	FEED REGULATING INDICATOR (BODY) SCREW 螺釘	2
F6-04	FEED REGULATING INDICATOR HUB 平衡座	1
<u>F6-05P</u>	FEED REGULATING INDICATOR HUB SCREW 螺釘	1 1
F6-06	FEED REGULATING INDICATOR (BODY) 三叉限位塊	$\frac{1}{4}$
F6-07	FEED REGULATING INDICATOR PLATE (CPL.) 指位柄 PIN 固定軸心	1 1
F6-07-1 F6-08P	FIN 自た軸心 FEED REGULATING INDICATOR SCREW (LARGE) 螺釘	2
F6-09P	FEED REGULATING INDICATOR SCREW (SMALL) 螺钉	1
F6-10	FEED REGULATING INDICATOR CONTEXT (OMIXEE)	1 1
F6-10-1	PIN 栓	1 1
F6-11	FEED REGULATING INDICATOR PLATE PIN RETAINER E型扣環	2
F6-12	FEED REGULATING LEVER SHAFT COLLAR 固定圈	1
F6-13P	FEED REGULATING LEVER SHAFT COLLAR SET SCREW 螺釘	2
F6-14	FEED REGULATING LEVER 手壓柄	1
F6-14-1	HOOK SHAFT 固定軸心	11
F6-14-2	PIN 插鎖	1 1
F6-15	FEED REGULATING LEVER SHAFT O-RING 墊圈	1 1
F6-16	FEED REGULATING LEVER SHAFT BUSHING 套筒	1 1
F6-17	FEED REGULATING LEVER SHAFT 擺動軸 FEED REGULATING LEVER SHAFT COLLAR 固定圏	1 1
F6-18 F6-19P	FEED REGULATING LEVER SHAFT COLLAR 固定圏 FEED REGULATING LEVER SHAFT COLLAR SET SCREW 螺釘	2
F6-19P F6-20	FEED REGULATING LEVER SHAFT COLLAR SET SCREW 緊迫 FEED REGULATING SHAFT INDICATOR STOP SCREW 調節螺钉	2
F6-20 F6-21	FEED REGULATING SHAFT INDICATOR STOP SCREW SPRING 壓制板	1
F6-22P	FEED REGULATING STAIN INDICATOR STOR SOREW STAIN	1 1
F6-23	STITCH LENGTH INDICATOR PLATE 刻進板	1 1
F6-24P	STITCH LENGTH INDICATOR PLATE SCREW 螺釘	2
F6-26	NEEDLE BAR YOKE CONN. SNAP RING E型扣環	2
F6-27	NEEDLE POSTION ADJ. ECC. BUSHING (SMALL) 固定栓	2
F6-28	NEEDLE VIBRATING ADJ. BRACKET 導向滑座	1 1
F6-29	NEEDLE VIBRATING ADJ. GUIDE CRANK 擺動連桿(左)	1
F6-30P	NEEDLE VIBRATING ADJ. GUIDE CRANK SET SCREW 螺釘	1 1
F6-31	NEEDLE VIBRATING ADJ. CRANK <u>擺動連桿(右)</u> NEEDLE VIBRATING CRANK PINCH SCREW 螺釘	1 1
F6-32P F6-34P	NEEDLE VIBRATING CRAIN PINOR SCREW 螺釘	1
F6-35	NEEDLE VIBRATING ADJ. SCINEW 塚東 NEEDLE VIBRATING ADJ. SHAFT CLAMPING BRACKET (UPPER) 夾片(上)	1 1
F6-36	NEEDLE VIBRATING ADJ. SHAFT CLAMPING BRACKET (OFFER) 夾片(下)	1 1
F6-37	NEEDLE VIBRATING ADJ. GUIDE CRANK SHAFT 軸心	1
F6-38P	NEEDLE VIBRATING ADJ. LEVER STOP SCREW (LEFT) 螺釘	2
F6-39W	NEEDLE VIBRATING ADJ. LEVER STOP SCREW NUT 螺母	2
F6-40	NEEDLE VIBRATING ADJ. SHAFT RETAINER 固定彈片	1
F6-41P	NEEDLE VIBRATING ADJ. SHAFT RETAINER SCREW 螺釘	1
F6-42	NEEDLE VIBRATING ADJ. BRACKET SLIDE BLOCK 四方滑塊	1
F6-43	NEEDLE VIBRATING ADJ. CRANK SHAFT 軸心	1
F6-44	NEEDLE VIBRATING ADJ. LEVER (CPL.) 調節柄	1
F6-46P	NEEDLE VIBRATING ADJ. LEVER SCREW 螺釘	11
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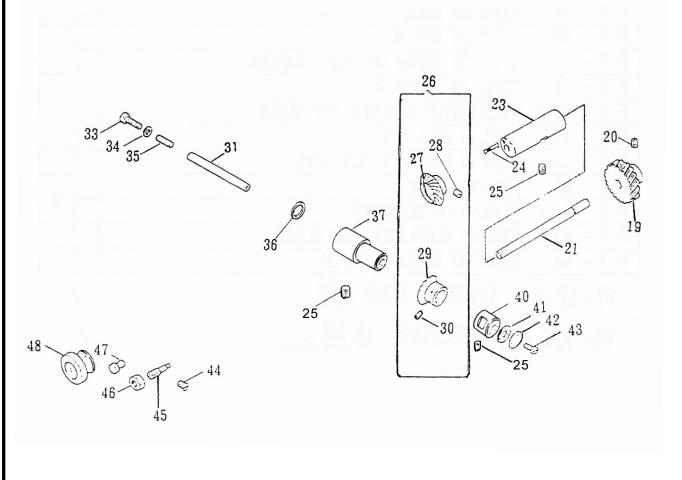


From the library of: Superior rewing Machine & Supply LLC

UPPER THREADING MECHANISM

REF. NO.部件編號		QTY. 需求量
F7-02	ARM COVER (TOP), GASKET 上蓋	1
F7-03	BOBBIN WINDER TENSION 過線片	1
F7-03-1	PIN 插銷	+ ;
F7-03-1	BOBBIN WINDER TENSION REGULATING THUMB NUT 調節螺母	1
		1 1
F7-05	BOBBIN WINDER TENSION SPRING 彈簧	1
F7-06	BOBBIN WINDER TENSION DISC 沙拉片	2
F7-07P	BOBBIN WINDER TENSION SCREW 螺釘	2
F7-08	THREAD RETAINER (3-HOLES) 導線片	1
F7-09P	THREAD RETAINER (4-HOLES) SCREW 螺釘	1
F7-10	ARM COVER (TOP), PLUG (BACK) 塑膠塞	1
	ARM COVER (TOP), PLUG (CENTER) 塑膠塞	1 1
<u>F7-11</u>	ANNI COVERY (TOP), FLOG (CLIVILITY) 201925	
<u>F7-12</u>	PRESSER FOOT PRESSURE ADJ. HOLE PLUG 塑膠塞	1
F7-13	BOBBIN WINDER (CPL.) 繞線組	
F7-14	BOBBIN WINDER STOPPER 限位圈	1
F7-15	BOBBIN WINDER STOPPER BOARD 限位輔助片	1
F4-16P	BOBBIN WINDER STOPPER BOARD SCREW 螺釘	1
F4-17P	BOBBIN WINDER STOPPER SCREW 螺釘	2
F7-18	BOBBIN WINDER SPINDLE THREAD GUARD 儲線器納座	1
	DODDIN WINDER (DODY) 经单位	
F7-19	BOBBIN WINDER (BODY) 繞線架	
F7-20	BOBBIN WINDER SHAFT COLLAR 固定圈	111
F7-21P	BOBBIN WINDER SHAFT COLLAR SCREW 螺釘	2
F7-22	BOBBIN WINDER SHAFT FRICTION WHEEL WASHER 橡膠圈	2
F7-23	BOBBIN WINDER SHAFT BUSHING 繞線輪支架	1 1
F7-23	BOBBIN WINDER SHAFT FRICTION WHEEL SPRING 彈簧	1 1
	DODDIN WINDER CHAFT FRICTION WITEEL SPRING 押寅	1 1
<u>F7-25</u>	BOBBIN WINDER SHAFT FRICTION WHEEL (BODY) 繞線輪	1
F7-26	BOBBIN WINDER SHAFT FRICTION WHEEL RING 橡膠圈	1
F7-27	BOBBIN WINDER LEVER 測量柄	1
F7-28P	BOBBIN WINDER LEVER SCREW 螺釘	1
F7-29	BOBBIN WINDER LEVER STUD 轉軸	1
	BOBBIN WINDER LEVER STOD 特報 BOBBIN WINDER LEVER STUD LINK LOCK WASHER E型扣環	1
F7-30	DODDIN WINDER LEVER STUD LINK LOUK WASHEK E型扣限	1 1
F7-31	BOBBIN WINDER REGULATOR 限位輔助片	1 1
F7-32P	BOBBIN WINDER REGULATOR SCREW 螺釘	111
F7-33	BOBBIN WINDER BRACKET ACTUATING PLATE 卡位片	1
F7-34	BOBBIN WINDER SPRING 彈簧	1 1
F7-35P	BOBBIN WINDER SHAFT BUSHING SPRING 螺釘	1
F7-36P	BOBBIN WINDER SCREW 螺釘	3
F7-36-1	WASHER 墊圈	3
F7-37	ARM COVER (TOP) GASKET 上蓋墊片	1
F7-39P	ARM COVER (TOP) SCREW 螺釘	8
F7-40	ARM COVER (TOP) THREAD GUIDE STUD 定位插銷	1
	PRETENSION 過線架	1 1
F7-41		!
F7-42	PRETENSION BRACKET 沙拉螺釘	1
F7-43	PRETENSION DISC 沙拉片	2
F7-44	PRETENSION SPRING 彈簧	1
F7-45	PRETENSION ADJUSTING NUT SPRING 制動片	1
F7-46	PRETENSION ADJUSTING NUT 調節螺釘	1 1
	TENCION (CDL) Léa走十細数如	-
F7-47	TENSION (CPL.) 上線張力調節組	
F7-48	THREAD TAKE-UP SPRING REGULATOR 沙拉座	1
F7-48-1	RUBBER RING 橡膠環	1
F7-48A	RUBBER RING 橡膠蓋	1
F7-49P	TENSION STUD SET SCREW 螺釘	1
F7-50	THREAD TAKE-UP SPRING 彈簧	1 1
		1 1
<u>F7-51</u>	TENSION STUD 沙拉螺栓	1
F7-52	TENSION FELT WASHER 張力鎖片	11
F7-53	TENSION WHEEL 彈力墊圈	3
F7-54	TENSION RELEASING DISC 彈簧下鎖圈	1
F7-55	TENSION SPRING 彈簧	1
F7-56	TENSION THUMB NUT LOCK WASHER 彈簧制動圈	1 1
	TENSION THUMB NUT 調節螺母	1
F7-57		
<u>F7-58P</u>	PRETENSION BRACKET SET SCREW 螺釘	1 1
F7-59	THREAD PULL OFF 導線勾	111
F7-60P	THREAD PULL OFF SET SCREW 螺釘	1
F7-61	THREAD GUIDE 線導板	1
F7-62P	THREAD GUIDE SCREW 螺釘	2
	THREAD GOIDE SCILEW 螺釘 THREAD REGULATOR SET SCREW 螺釘	
<u>F7-63P</u>		1
F7-64	TENSION RELEASING PIN 頂銷	11



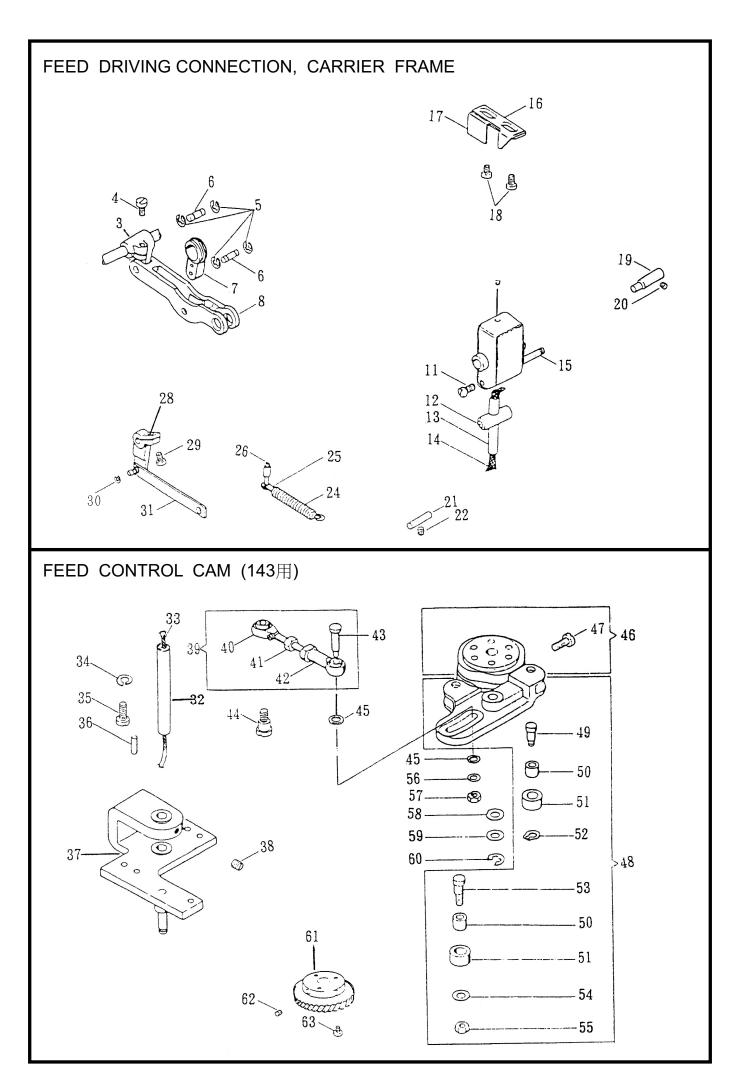


From the library of: Superior

Swing Machine & Supply LLC

LOWER THREADING MECHANISM

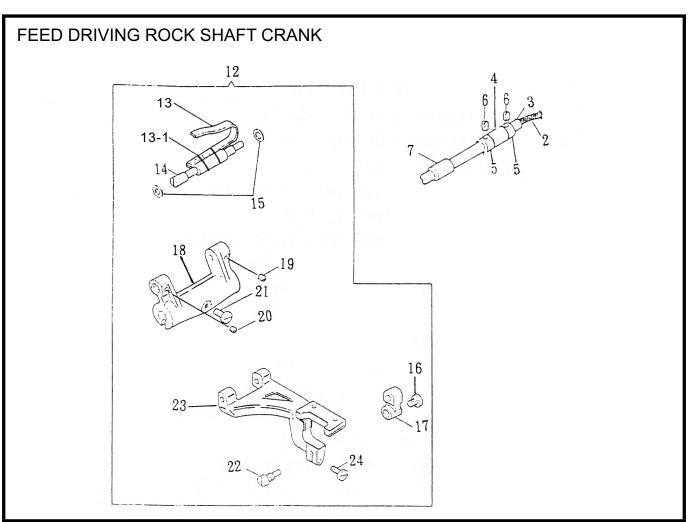
REF. NO.部件編號		QTY. 需求量
F8-01	HOOK AND BOBBIN CASE (CPL.) 旋梭組	1
F8-02	BOBBIN CASE CAP 旋梭蓋	1 1
F8-03	BOBBIN CASE LATCH LEVER 旋梭蓋門	1 1
F8-04	BOBBIN CASE LATCH PIN 銷	1 1
F8-05	BOBBIN CASE LATCH 旋梭蓋鎖片	1 1
F8-06P	BOBBIN CASE LATCH STOP SCREW 螺釘	1
F8-07P	BOBBIN CASE LATCH SPRING 螺釘	1
F8-08P	BOBBIN CASE CAP TENSION SPRING SCREW 螺釘	1
F8-09	BOBBIN CASE CAP TENSION SPRING 張力壓片	1
F8-10P	BOBBIN CASE CAP TENSION SPRING SCREW 螺釘	1
F8-11	HOOK 旋梭主體	1
F8-12P	HOOK SET SCREW 螺釘	2
F8-13P	HOOK GIB SCREW 螺釘	3
F8-14	HOOK NEEDLE GUARD AND COUNTERBALANCE 旋梭平衡片	1
F8-15P	HOOK NEEDLE GUARD AND COUNTERBALANCE SCREW 螺釘	1
F8-16	BOBBIN 儲線器	1
F8-17	BOBBIN CASE STOP 旋梭定位片	1
F8-18P	BOBBIN CASE STOP SCREW 螺釘	1
F8-19	HOOK DRIVING SHAFT HELICAL GEAR 齒輪	+ +
F8-20P	HOOK DRIVING SHAFT HELICAL GEAR 図軸 HOOK DRIVING SHAFT HELICAL GEAR SET SCREW 螺釘	2
E7-21	HOOK DRIVING SHAFT HELICAL GEAR SET SCREW 縣劃	1
	HOOK DRIVING SHAFT 軸心 HOOK DRIVING SHAFT BUSHING 旋梭供油軸套	
F8-23		1 1
F8-24	HOOK DRIVING SHAFT BUSHING WICK 油蕊	1
F8-25P	BED SHAFT BUSHING SET SCREW 螺釘	3
F8-26	A PAIR OF BEVEL GEARS 傘型齒輪組	.
F8-27	HOOK DRIVING SHAFT BEVEL GEAR 傘型齒輪	1
F8-28P	HOOK DRIVING SHAFT BEVEL GEAR SET SCREW 螺釘	2
F8-29	HOOK SHAFT BEVEL GEAR 傘型齒輪	1
F8-30P	HOOK SHAFT BEVEL GEAR SET SCREW 螺釘	2
F8-31	HOOK SHAFT 軸心	1
F8-33P	HOOK SHAFT OIL FILTER WICK HOLDER 螺釘	1
F8-34	HOOK SHAFT OIL FILTER WICK HOLDER SEAL 橡膠圈	1
F8-35	HOOK SHAFT OIL FILTER FELT 油棉	1
F8-36	HOOK SHAFT BUSHING (BACK) OIL SEAL 橡膠圈	1
F8-37	HOOK SHAFT BUSHING (BACK) 軸套	1
F8-40	HOOK SHAFT BUSHING (FRONT) 銅軸套	1
F8-41	HOOK SHAFT BUSHING CAP GASKET 墊圈	1
F8-42	HOOK SHAFT BUSHING CAP 固定圈	1
F8-43P	HOOK SHAFT BUSHING (FRONT) CAP SCREW 螺釘	3
F8-44P	HOOK OIL BYPASS SCREW 螺釘	1 1
F8-45	HOOK OIL REGULAING SCREW 調節螺釘	+ +
F8-46W	HOOK OIL BYPASS SCREW LOCK NUT 螺母	+ +
F8-47	HOOK SHAFT GEAR BOX PLUG 塑膠塞	1 1
F8-48	HOOK GEAR BOX VENT CAP 塑膠塞	1 1
Г0 -4 0	HOUR GEAR BOX VENT CAP 型形本	<u> </u>
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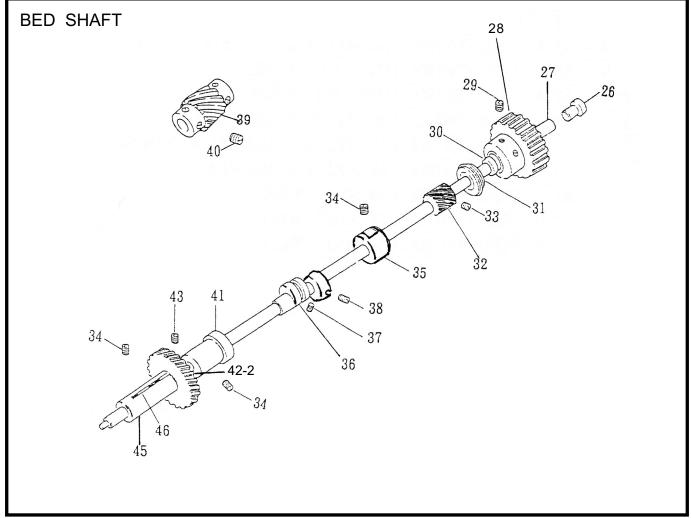


From the library of: Superior Sowing Machine & Supply LLC

LOWER SHAFT MECHANISM-GAUGE PARTS

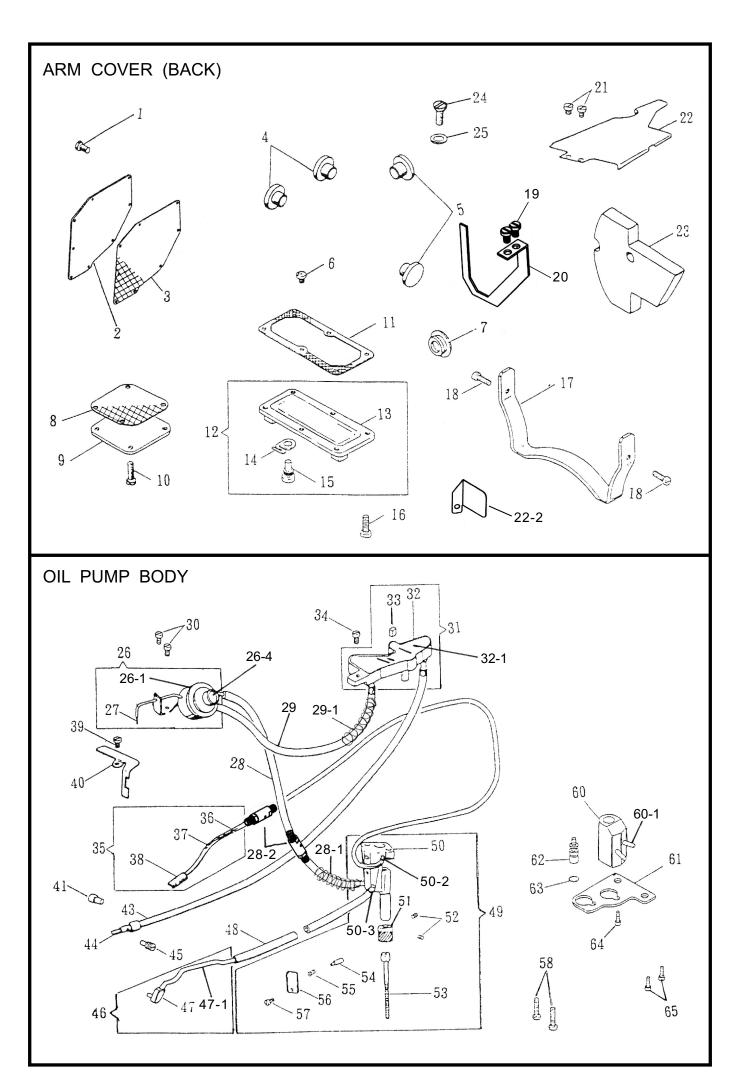
F9-04P FEED DRIVING CONN. CRANK 注射曲符 F9-04P FEED DRIVING CONN. LEVER HINGE PIN RETAINER E型拍環 F9-05 FEED DRIVING CONN. LEVER HINGE PIN IMP F9-06 FEED DRIVING CONN. LEVER HINGE PIN IMP F9-07 FEED DRIVING CONN. LEVER HINGE PIN IMP F9-08 FEED DRIVING CONN. LEVER HINGE PIN IMP F9-09 FEED DRIVING CONN. LEVER AND IMP F9-11P NEEDLE POSITION ADJ. ECC. SCREW 编约 F9-13 FEED DRIVING CONN. LEVER SLIDE BEARING MIMP F9-14 FEED DRIVING CONN. LEVER FRAME SIDE STUD MLD. F9-15 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 限位核(上) F9-16 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 限位核(上) F9-17 FEED DRIVING CONN. LEVER FRAME STOP (FRONT) 股位核(下) F9-18P FEED DRIVING CONN. LEVER FRAME STOP (CRONT) 股位核(下) F9-19 FEED DRIVING CONN. LEVER FRAME STOP (CRONT) 股位核(下) F9-19 FEED DRIVING CONN. LEVER FRAME STOP (CRONT) 股位核(下) F9-19 FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) (MA) F9-20P FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) (MA) F9-21 FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) (MA) F9-22 FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) (MA) F9-24 FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) (MA) F9-25 FEED DRIVING CONN. LEVER FRAME SPRING METAINER MITTER F9-26 FEED DRIVING CONN. LEVER FRAME SPRING METAINER MITTER F9-27 FEED DRIVING CONN. LEVER FRAME SPRING METAINER MITTER F9-28 FEED DRIVING CONN. LEVER FRAME SPRING METAINER MITTER F9-29 FEED DRIVING CONN. SHAFT CRANK LINK (PL.) (MA) F9-30 FEED DRIVING CONN. SHAFT CRANK LINK (MA) F9-31 FEED DRIVING CONN. SHAFT CRANK LINK (MA) F9-32 FEED DRIVING CONN. SHAFT CRANK LINK (MA) F9-33 FEED CONTROL CAM MITG. BRACKET SCREW MITTER F9-34 FEED CONTROL CAM MITG. BRACKET SCREW F9-35 FEED CONTROL CAM MITG. BRACKET SCREW F9-36 FEED CONTROL CAM MITG. BRACKET SCREW F9-37 FEED CONTROL CAM MITG. BRACKET SCREW F9-38 FEED CONTROL CAM MITG. BRACKET SCREW F9-49 FEED CONTROL CONN. BALL JOINT (MALE) F9-40 FEED CONTROL CONN. BALL JOINT (MALE) F9-41 FEE	QTY. 需求量 1 1 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1
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F9-05 FEED DRIVING CONN. LEVER HINGE PIN 括性 F9-07 FEED DRIVING CONN. LINK 軸套傳動柄 F9-08 FEED DRIVING CONN. LINK 軸套傳動柄 F9-09 FEED DRIVING CONN. LEVER 法科驅動連程 F9-11P NEEDLE POSITION ADJ. ECC. SCREW 螺釘 F9-11P NEEDLE POSITION ADJ. ECC. SCREW 螺釘 F9-11P F9-12 FEED DRIVING CONN. LEVER FRAME 法料驅動導程塊 F9-13 FEED DRIVING CONN. LEVER SLIDE BEARING 鋼槽塊 F9-14 FEED DRIVING CONN. CARRIER FRAME SLIDE STUD 軸心 F9-15 FEED DRIVING CONN. LEVER FRAME SLIDE STUD 軸心 F9-16 FEED DRIVING CONN. LEVER FRAME STIDE (BACK) 膜位板(上) F9-17 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 膜位板(上) F9-18 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 膜位板(上) F9-19 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 膜位板(上) F9-19 FEED DRIVING CONN. LEVER FRAME STOP (RIGHT) 螺釘 F9-20 FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) 螺釘 F9-21 FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) 螺釘 F9-22 FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) 螺釘 F9-24 FEED DRIVING CONN. BEARING STUD SCREW (LEFT) 轉心 F9-25 FEED DRIVING CONN. BEARING STUD SCREW (LEFT) 轉心 F9-26 FEED DRIVING CONN. LEVER FRAME SPRING 再獲 F9-27 FEED DRIVING CONN. LEVER FRAME SPRING 再獲 F9-28 FEED DRIVING CONN. LEVER FRAME SPRING 再獲 F9-29 FEED DRIVING CONN. LEVER FRAME SPRING 所獲 F9-29 FEED DRIVING CONN. LEVER FRAME SPRING 所獲 F9-29 FEED DRIVING CONN. LEVER FRAME SPRING 所獲 F9-29 FEED DRIVING CONN. LEVER FRAME SPRING RETAINER 剛養於片 F9-29 FEED DRIVING CONN. SHAFT CRANK LINK (PL.) 連頭於岸 F9-30 FEED DRIVING CONN. SHAFT CRANK LINK (PL.) 連頭於岸 F9-31 FEED DRIVING CONN. SHAFT CRANK LINK (PL.) 連頭於岸 F9-33 FEED CONTROL CAM SHAFT F9-34 FEED CONTROL CAM MTG. BRACKET SCREW F9-35 FEED CONTROL CAM MTG. BRACKET SCREW F9-36 FEED CONTROL CAM MTG. BRACKET SET SCREW F9-37 FEED CONTROL CAM MTG. BRACKET SET SCREW F9-39 FEED CONTROL CONN. BALL JOINT (MALE) F9-41 FEED CONTROL CONN. BALL JOINT (MALE) F9-42 FEED CONTROL CONN. BALL JOINT (FEMALE) F9-43 FEED CONTROL CONN. BALL JOINT (FEMALE) F9-44 FEED CONTROL CONN. HOLE SCREW F9-45 FEED CONTROL CONN. HOLE SCREW F9-46 FEED CONTROL CONN. BALL JOINT (FEMALE) F9-47 FEED CONTROL CONN. BALL JOINT (FEMALE) F9-47 FEE	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
F9-06 FEED DRIVING CONN. LEVER HINGE PIN 插栓 F9-07 FEED DRIVING CONN. LINK 軸套傳動柄 F9-08 FEED DRIVING CONN. LEVER 送料驅動連桿 F9-09 FEED DRIVING CONN. CARRIER FRAME 送料驅動導程塊 F9-11P NEEDLE POSITION ADJ. ECC. SCREW 紫釘 F9-12 FEED DRIVING CONN. LEVER SLIDE BEARING 鍋滑塊 F9-13 FEED DRIVING CONN. LEVER SLIDE BEARING 鍋滑塊 F9-14 FEED DRIVING CONN. OIL WICK 油棉 F9-15 FEED DRIVING CONN. OIL WICK 油棉 F9-16 FEED DRIVING CONN. LEVER FRAME SPRING STUD 懸掛栓 F9-16 FEED DRIVING CONN. LEVER FRAME SPRING STUD 懸掛栓 F9-17 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 脱位板(下) F9-17 FEED DRIVING CONN. LEVER FRAME STOP (FRONT) 脱位板(下) F9-18 FEED DRIVING CONN. BEARING STUD (SER) W 紫釘 F9-19 FEED DRIVING CONN. BEARING STUD SCREW 紫釘 F9-20 FEED DRIVING CONN. BEARING STUD DEATH W 紫釘 F9-21 FEED DRIVING CONN. BEARING STUD DEATH W 紫釘 F9-22 FEED DRIVING CONN. BEARING STUD SCREW (LEFT) 紫釘 F9-24 FEED DRIVING CONN. BEARING STUD SCREW (LEFT) 紫釘 F9-25 FEED DRIVING CONN. BEARING STUD SCREW (LEFT) 紫釘 F9-25 FEED DRIVING CONN. LEVER FRAME SPRING R FAINE FINE FINE FINE FINE FINE FINE FINE F	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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F9-08 FEED DRIVING CONN. LEVER 接戶與動理學 F9-09 FEED DRIVING CONN. CARRIER FRAME 送料驅動導程塊 F9-11P NEEDLE POSITION ADJ. ECC. SCREW 據訂 F9-12 FEED DRIVING CONN. LEVER SLIDE BEARING 網滑塊 F9-13 FEED DRIVING CONN. CARRIER FRAME SLIDE STUD 軸心 F9-14 FEED DRIVING CONN. CARRIER FRAME SLIDE STUD 軸心 F9-15 FEED DRIVING CONN. OIL WICK 油棉 F9-15 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 限位板(上) F9-16 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 限位板(下) F9-17 FEED DRIVING CONN. LEVER FRAME STOP (BACK) 限位板(下) F9-18 FEED DRIVING CONN. LEVER FRAME STOP SCREW 線釘 F9-19 FEED DRIVING CONN. LEVER FRAME STOP SCREW 線釘 F9-19 FEED DRIVING CONN. BEARING STUD (RIGHT) 偏心 F9-20P FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) 编句 F9-21 FEED DRIVING CONN. BEARING STUD SCREW (RIGHT) 编句 F9-22P FEED DRIVING CONN. BEARING STUD SCREW (LEFT) 螺钉 F9-24 FEED DRIVING CONN. BEARING STUD SCREW (LEFT) 螺钉 F9-25 FEED DRIVING CONN. LEVER FRAME SPRING 霍養 F9-26 FEED DRIVING CONN. LEVER FRAME SPRING 需要 F9-26 FEED DRIVING CONN. LEVER FRAME SPRING RETAINER 霍養炭片 F9-28 FEED DRIVING CONN. LEVER FRAME SPRING STUD 繁排栓 F9-29 FEED DRIVING CONN. SHAFT CRANK LINK (CPL.) 連動拉桿 F9-29 FEED DRIVING CONN. SHAFT CRANK LINK (CPL.) 連動拉桿 F9-30 FEED DRIVING CONN. SHAFT CRANK LINK (EPL.) 連動拉桿 F9-31 FEED DRIVING CONN. SHAFT CRANK LINK (EPL.) 連動拉桿 F9-32 FEED DRIVING CONN. SHAFT CRANK LINK (EPL.) 連動拉桿 F9-33 FEED CONTROL CAM SHAFT OIL WICK F9-34 FEED CONTROL CAM SHAFT OIL WICK F9-35 FEED CONTROL CAM SHAFT OIL WICK F9-36 FEED CONTROL CAM MTG. BRACKET SCREW F9-37 FEED CONTROL CAM MTG. BRACKET SCREW F9-38 FEED CONTROL CAM MTG. BRACKET SET SCREW F9-39 FEED CONTROL CAM MTG. BRACKET SET SCREW F9-39 FEED CONTROL CONN. BALL JOINT (MALE) F9-42 FEED CONTROL CONN. BALL JOINT (FEMALE) F9-42 FEED CONTROL CONN. BALL JOINT (FEMALE) F9-45 FEED CONTROL CONN. HINGE SCREW F9-45 FEED CONTROL CONN. HINGE SCREW F9-46 FEED CONTROL CONN. HINGE SCREW F9-47 FEED CONTROL CONN. HINGE SCREW F9-47 FEED CONTROL CONN. BEAL JOINT (FEMALE) F9-47 FEED CONTROL CONN. BEAL SOREW F9-47 FEED CONTROL CONN. BEAL SOREW F9-47 FEED CONTROL CONN	3
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F9-40 FEED CONTROL CONN. BALL JOINT (MALE) F9-41 FEED CONTROL CONN. LOCK NUT F9-42 FEED CONTROL CONN. BALL JOINT (FEMALE) F9-43 FEED CONTROL CONN. ADJ. SCREW F9-44P FEED CONTROL CONN. HINGE SCREW F9-45 FEED CONTROL CONN. ADJ. SCREW F9-46 FEED CONTROL CONN. CONN. ADJ. SCREW F9-47P FEED CONTROL CAM (CPL.)	I
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F9-42 FEED CONTROL CONN. BALL JOINT (FEMALE) F9-43 FEED CONTROL CONN. ADJ. SCREW F9-44P FEED CONTROL CONN. HINGE SCREW F9-45 FEED CONTROL CONN. ADJ. SCREW F9-46 FEED CONTROL CAM (CPL.) F9-47P FEED CONTROL CAM SET SCREW	
F9-43 FEED CONTROL CONN. ADJ. SCREW F9-44P FEED CONTROL CONN. HINGE SCREW F9-45 FEED CONTROL CONN. ADJ. SCREW F9-46 FEED CONTROL CAM (CPL.) F9-47P FEED CONTROL CAM SET SCREW	
F9-44P FEED CONTROL CONN. HINGE SCREW F9-45 FEED CONTROL CONN. ADJ. SCREW F9-46 FEED CONTROL CAM (CPL.) F9-47P FEED CONTROL CAM SET SCREW	1
F9-45 FEED CONTROL CONN. ADJ. SCREW F9-46 FEED CONTROL CAM (CPL.) F9-47P FEED CONTROL CAM SET SCREW	1
F9-46 FEED CONTROL CAM (CPL.) F9-47P FEED CONTROL CAM SET SCREW	1
F9-46 FEED CONTROL CAM (CPL.) F9-47P FEED CONTROL CAM SET SCREW	2
F9-47P FEED CONTROL CAM SET SCREW	
	2
F9-48 FEED CONTROL CAM FOLLOWER (CPL.)	
F9-49 FEED CONTROL CAM FOLLOWER ARM HINGE PIN	1
F9-50 FEED CONTROL CAM FOLLOWER ROLLER NEEDLE BEARING	2
	2
F9-53P FEED CONTROL CAM FOLLOWER ROLLER ARM HINGE SCREW	1
F9-54 FEED CONTROL CAM FOLLOWER ROLLER ARM SPRING WASHER	1
F9-55W FEED CONTROL CAM FOLLOWER ROLLER ARM RETAINING NUT	1
F9-56 FEED CONTROL CONN. ADJ. WASHER	1
F9-57W FEED CONTROL CONN. ADJ. SCREW NUT	1
F9-58 FEED CONTROL CAM FOLLOWER ROLLER ARM WASHER	1
F9-59 FEED CONTROL CAM FOLLOWER ROLLER ARM SPRING WASHER	1
F9-60 FEED CONTROL CAM FOLLOWER ROLLER ARM RING	1
F9-61 FEED CONTROL CAM SHAFT WHEEL	1
F9-62P FEED CONTROL CAM SHAFT WHEEL SET SCREW	- i
F9-63P FEED CONTROL CAM SHAFT WHEEL SET SCREW	3
F3-03F FEED CONTROL CAW SHAFT WHEEL DISC SCREW	<u> </u>





GAUGE PARTS(DP)

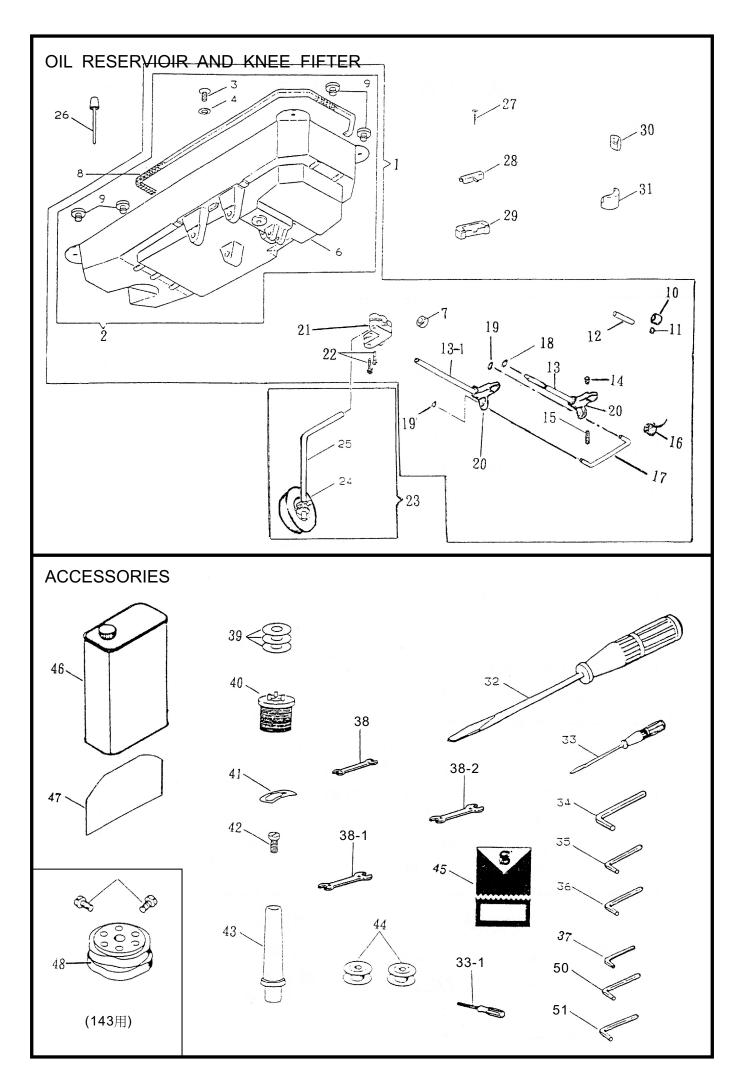
GAUGE PAR	13(DF)	
REF. NO.部件編號	DESCRIPTION 說明	QTY. 需求量
F10-02	FEED DRIVING ROCK SHAFT OIL WICK 油蕊	1
F10-03	FEED DRIVING ROCK SHAFT 軸心	1
F10-04	FEED DRIVING ROCK SHAFT BUSHING (BACK) 軸套筒	1
F10-05	FEED DRIVING ROCK SHAFT COLLAR (CPL.) 固定圈	2
F10-06P	FEED DRIVING ROCK SHAFT COLLAR SET SCREW 螺釘	4
F10-07	FEED DRIVING ROCK SHAFT BUSHING (CENTER) 軸套筒	1
F10-12	FEED DRIVING ROCK SHAFT CRANK (ASS'Y) (CPL.) 送布牙台組	· ·
F10-13	FEED BAR HIGE PIN FELT 油棉	1
F10-13-1	TYING A BELT 束帶	2
F10-14	FEED BAR HIGE PIN 調節軸	1
F10-15	FEED BAR HIGE PIN WASHER 整圈	2
F10-16P	FEED BAR LIFTING LINK HINGE PIN CAP SCREW 螺釘	1
F10-17	FEED BAR LIFTING LINK 八字連結	1
F10-18	FEED DRIVING ROCK SHAFT CRANK 送布牙台架	1
F10-19P	FEED BAR HIGE PIN SET SCREW (LONG) 螺釘	1
F10-20P	FEED BAR HIGE PIN SET SCREW (SHORT) 螺釘	1
F10-21P	FEED DRIVING ROCK SHAFT CRANK SCREW 螺釘	1
F10-22P	FEED BAR LIFTING LINK HINGE PIN 調節螺釘	1
F10-23	FEED BAR (CPL.) 送布牙台	1
F10-24P	FEED BAR FIFTING LINK HING SCREW 螺釘	1
F10-26	BED SHAFT PLUG 橡膠塞	+ +
F10-27	BED SHAFT 下主軸	+ +
F10-27 F10-28	BED SHAFT CONN. BELT PULLEY (CPL.) 同步皮帶輪	1
F10-28 F10-29P	BED SHAFT CONN. BELT PULLEY SHT SCREW 螺釘	1
F10-29P F10-30	BED SHAFT CONN. BELT PULLEY SPACER 固定圏	1
F10-30 F10-31	BED SHAFT BALL BEARING 軸承	1 1
F10-31 F10-32	OIL PUMP DRIVING GEAR (CPL.) 蝸桿齒輪	1
	OIL PUMP DRIVING GEAR (CPL.) 銅梓崗輔 OIL PUMP DRIVING GEAR SCREW 螺釘	1 2
<u>F10-33P</u> F10-34P	BED SHAFT BUSHING SET SCREW 螺釘	3
	BED SHAFT BUSHING (BACK) 軸套筒(中)	3
F10-35 F10-36	FEED DRIVING ECC. (CPL.) 傳動凸輪	1 1
	FEED DRIVING ECC. (GF.E.)	
F10-37P	FEED DRIVING ECC. SET SCREW 螺釘	
F10-38P	BED SHAFT WORM (CPL.) 蝸桿齒輪(4)	
F10-39	BED SHAFT WORM (CFL.) 蝸桿菌軸(4)	1
F10-40P	BED SHAFT BUSHING (CENTER) 軸套筒(前)	4
F10-41	BED SHAFT GEAR 齒輪	1 1
F10-42-2	BED SHAFT GEAR SET SCREW 螺釘	
F10-43P	BED SHAFT BUSHING (FRONT) 軸套筒	2
F10-45	BED SHAFT BUSHING (FRONT) WICK 油蕊	1
F10-46	DED SHALL BOSHING (LICONT) WICK 個級	
	1	



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PULLER DEVICE MECHANISM

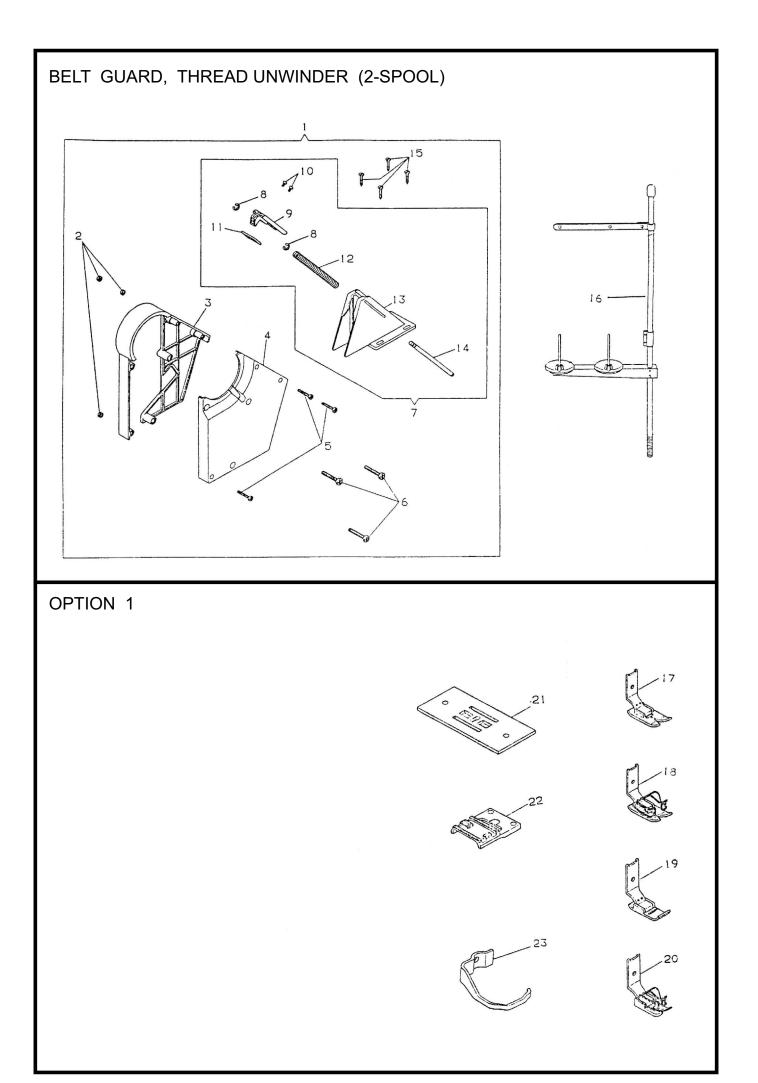
	DESCRIPTION 説明	QTY. 需求
F11-01P	ARM COVER (BACK) SCREW 螺釘	8
F11-02	ARM COVER (BACK), GASKET (CPL.) 側蓋	1
F11-03	ARM COVER (BACK) , GASKET 側蓋墊片	1
F11-04	BED PLUG (REAR) 橡膠塞	2
F11-05	BED PLUG (FRONT) 橡膠塞	2
F11-06P	SCREW 螺釘	1
F11-07	FEED REGULATING SHAFT HOLE PLUG 橡膠塞	
F11-08	HOOK SHAFT GEAR BOX COVER GASKET 下蓋墊片	1
F11-09	HOOK SHAFT GEAR BOX COVER 下蓋	1
F11-10P	HOOK SHAFT GEAR BOX COVER SCREW 螺釘	4
F11-11	BED SHAFT GEAR BOX COVER GASKET 下鋁蓋墊片	1
F11-12	BED SHAFT GEAR BOX COVER (CPL.) 下鋁蓋組	- - ' -
F11-13	BED SHAFT GEAR BOX COVER 下鋁蓋	1
	BED SHAFT GEAR BOX COVER 「對益	
F11-14	FEED BAR HINGE PIN OILING FELT CLAMP 彈片	
F11-15P	BED SHAFT GEAR BOX COVER DRAIN SCREW 調節螺釘	11
F11-16P	BED SHAFT GEAR BOX COVER SCREW 螺釘	6
F11-17	MACHINE LEG 機體支架	1
F11-18P	MACHINE LEG SCREW 螺釘	2
F11-19P	ARM OIL SHIELD RETAINER SCREW 螺釘	2
	ARM OIL SHIELD RETAINER 固定片	
F11-20	ARM OIL STIELD RE IAINER 固定月	
F11-21P	OIL GUARD SCREW 螺釘	2
F11-22	OIL GUARD COVER 擋油蓋	1
F11-22-1	ARM OIL SHIELD 擋油毯	1
F11-22-2	OIL GVARD COVER 擋油蓋	1
F11-23	ARM OIL SHIELD 擋油毯	1 1
F11-23	EARTH WIRE SCREW 螺釘	1 1
	EARTH WIRE SCREW SET BEARTH WIRE SCREW WASHER 執圈	1 1
F11-25	CANTIN WINE OUNEW WAOREK 型圏	
F11-26	OIL SIGHT BODY 油壺組	
F11-26-1	OIL SIGHT WINDOW 油鏡	11
F11-26-4	GLIB 油嘴(銅)	1
F11-27	OIL SIGHT WICK 油蕊	1
F11-28	OIL DELIVERY TUBE 油管	1
F11-28-1	SPRING COIL 彈簧圈	
	CHECK VALVE 逆止閥	2
F11-28-2		
F11-29	OIL RETURN TUBE UPPER (SHORT) 油管	
F11-29-1	SPRING COIL 彈簧圈	11
F11-30P	OIL SIGHT BODY SCREW 螺釘	2
F11-31	OIL DISTRIBUTOR PLATE (CPL.) 儲油器組	
F11-32	OIL DISTRIBUTOR PLATE 儲油器	1
F11-32-1	MODELS THE EARPIECE 塑膠蓋	+ 1
	OIL DISTRIBUTOR PLATE FOAM PAD 栓	<u> </u>
F11-33		
F11-34P	OIL DISTRIBUTOR PLATE SCREW 螺釘	
F11-35	OIL REMOVING TUBE, OIL REMOVING LINT SCREEN (CPL.) 回油組	11
F11-36	OIL REMOVING TUBE (CPL.) 油蕊	1
F11-37	OIL REMOVING TUBE WIRE 銅線	1
F11-38	OIL REMOVING LINT SCREEN 油棉	1
F11-39P	HEAD END OIL DRAIN WICK CLAMP SCREW 螺釘	+ +
	ADM MEAD OIL DIVAIN WICK CLAIM OCICLY SEE	
F11-40	ARM MEAD OIL DRAIN WICK CLAMP (FRONT) 固定片	
<u>F11-41</u>	BED SHAFT BUISHING OIL HOLE PLUG 橡膠塞	11
F11-43	OIL RETURN TUBE LOWER (LONG) 油管	1
F11-44	OIL RETURN TUBE 油管接頭	1
F11-45P	OIL RETURN TUBE SCREW 螺釘	1
F11-46	HOOK SHAFT GEAR BOX OIL PIPE (CPL.) 油管接頭組	'
F11-47	HOOK SHAFT GEAR BOX OIL PIPE CONNECTOR 油管接頭	1
F11-47-1	COPPER PIPE 銅管	1
F11-48	HOOK SHAFT GEAR BOX OIL PIPE TUBE 油管	111
F11-49	OIL PUMP BODY (ASS'Y) 油泵組	
F11-50	OIL PUMP BODY 油泵	1
F11-50-2	COPPER PIPE 銅管	2
F11-50-3	COPPER PIPE 銅管	1
F11-50-5	OIL PUMP GEAR 齒輪	1
F11-52P	OIL PUMP GEAR SCREW 螺釘	2
<u>F11-53</u>	OIL PUMP SCREW SHAFT 油泵軸	
F11-54	OIL REMOVING PUMP PISTON 活動栓	1
F11-55	OIL REMOVING PUMP PISTON SPRING 彈簧	1
F11-56	OIL REMOVING PUMP PISTON SPRING BRACKET 壓封片	1
F11-57P	OIL REMOVING PUMP PISTON SPRING BRACKET SCREW 螺釘	1
F11-58P	OIL PUMP MOUNTING SCREW 螺釘	2
F11-60	HOOK OIL FLOW REGULATING VALVE. PIPE (CPL.) 回油器	1
<u>F11-60-1</u>	COPPER PIPE 銅管	1
F11-61	HOOK OIL FLOW REGULATING VALVE. BRACKET 固定片	1
F11-62	HOOK OIL FLOW REGULATING VALVE. 調節栓	1
F11-63	HOOK OIL FLOW REGULATING VALVE. ORING 橡膠圈	1
F11-64P	HOOK OIL FLOW REGULATING VALVE. SCREW 螺釘	1 1
	HOOK OIL FLOW REGULATING VALVE, SCREW 蝶頭 HOOK OIL FLOW REGULATING VALVE, BRACKET SCREW 螺釘	2
F11-65P	INOON OIL LOVY NEGOLATING VALVE, DNAONE BOKEVV 蛛山	
		1



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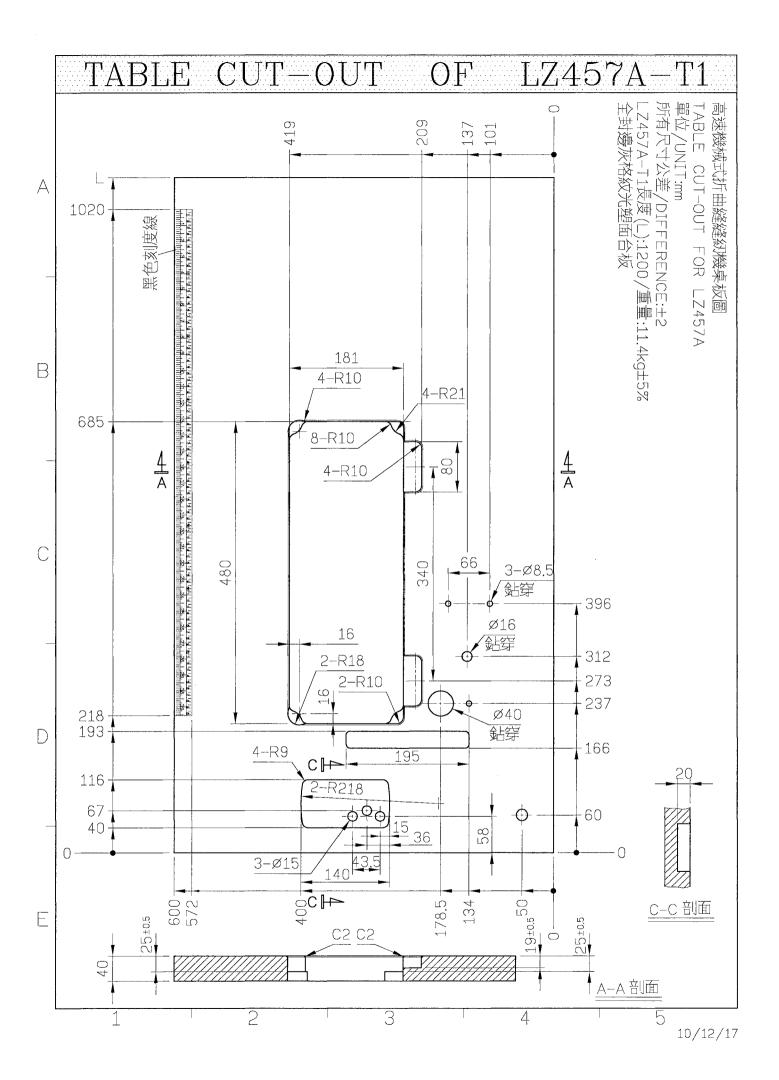
ACCESSORIES

ACCESSOR	RIES	
REF. NO.部件編	號 DESCRIPTION 說明	QTY. 需求量
F12-01	OIL RESERVOIR AND KNEE LIFTER (ASS'Y) 油盤及膝提組	
F12-02	OIL RESERVOIR (CPL.) 油盤組	
F12-03P	OIL RESERVOIR DRAIN PLUG SCREW 螺釘	1
F12-04	OIL RESERVOIR DRAIN PLUG SCREW GASKET 橡膠圈	1
F12-06	OIL RESERVOIR 油盤	1
F12-07	KNEE LIFTER ROCK SHAFT 墊圈	2
F12-08	OIL RESERVOIR CUSHION 油盤橡膠框	
F12-09	MACHINE BASE CUSHION 橡膠塞	
F12-10	FOOT CONTROL REVERSE FEED PIN COLLAR 固定圈	1
F12-11P	FOOT CONTROL REVERSE FEED PIN COLLAR SCREW 螺釘	1
F12-12 F12-13	FOOT CONTROL REVERSE FEED LEVER PIN 軸心 KNEE LIFTER CONTROL SHAFT 傳動軸	1
F12-13 F12-13-1	KNEE LIFTER CONTROL SHAFT 傳動軸	1
F12-13-1 F12-14P	KNEE LIFTER CONTROL SHAFT (得到報) KNEE LIFTER CONTROL SHAFT SCREW NUT 螺釘	1
F12-14P F12-15P	KNEE LIFTER CONTROL SHAFT SCREW NOT 緊動 KNEE LIFTER CONTROL SHAFT CRANK STOP SCREW 螺釘	1
F12-16	KNEE LIFTER RETURNING SPRING 彈簧	1
F12-17	KNEE LIFTER ROCK SHAFT CONNECTION 連結柄	1
F12-18	KNEE LIFTER CONTROL SHAFT CRIP RING 墊圈	2
F12-19	KNEE LIFTER ROCK SHAFT CONNECTION CRIP RING 墊圈	2
F12-20	KNEE LIFTER ROCK SHAFT 傳動柄	2
F12-21	KNEE LIFTER ROCK SHAFT HIB 騙動桿	1
F12-22P	KNEE LIFTER ROCK SHAFT HUB PINCH SCREW 螺釘	2
F12-23	KNEE LIFTER KNEE PLATE. ARM (CPL.) 膝提器組	
F12-24	KNEE LIFTER KNEE PLATE. (CPL.) 塑膠提器	1
F12-25	KNEE LIFTER KNEE PLATE. ARM 連結柄	1 1
F12-26	KNEE LIFTER PLUNGER 膝提頂柱	1 1
F12-27	MACHINE HINGE CONN. CUSHION WIRE NAIL 螺釘	6
F12-28	MACHINE HINGE CONN. 後鈕	2
F12-29	MACHINE HINGE CONN. CUSHION 後鈕橡膠框	2
F12-30	MACHINE BASE OIL RESSERVOIR CUSHION (BACK) 橡膠墊	2
F12-31	MACHINE BASE OIL RESSERVOIR CUSHION (FRONT) 橡膠墊	2
F12-32	SCREW DRIVER (LARGE) 大起子	1 1
F12-33	SCREW DRIVER (SMALL) 中起子	1
F12-33-1	HEXAGON BOTTLEDPENER六角起子	1
F12-34	HEXAGON WRENCH (4MM) L型六角扳手	1
F12-35	HEXAGON WRENCH (1/8 INCH) L型六角扳手	1
F12-36	HEXAGON WRENCH (3MM) L型六角扳手	1
F12-37	HEXAGON WRENCH (2MM) L型六角扳手	1
F12-38	WRENCH(#7) 梅花板手(#7)	1
F12-38-1	WRENCH(#8) 梅花板手(#8)	1
F12-38-2	WRENCH(#10) 梅花板手(#10)	1
F12-39	ANTISPILAGE SPACER 墊圈	3
F12-40	OIL FILTER WITH OIL FILTER MOUNTING SUPPORT 過瀘器	1
F12-41	BOBBIN CASE ANTISPILAGE SPRING 彈片	1
F12-42P	ATTATCHMENT SCREW 螺釘	1
F12-43	REST PIN 木椿	1
F12-44	BOBBIN 儲線器	2
F12-45	NEEDLE BAG 針	1
F12-46	OIL CAN 油壺	1
F12-47	MACHINE COVER (EXP.) 擋油板	1
F12-48	FEED CONTROL CAM 確動凸輪	1
F12-49P	FEED CONTROL CAM SET SCREW 螺釘	2
F12-50	HEXAGON WRENCH L型六角扳手	1
F12-51	HEXAGON WRENCH L型六角扳手	1



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REF. NO.部件編號	DESCRIPTION 說明	QTY. 需求量
F13-01	BELT GUARD (CPL.) 皮帶輪護蓋組	
F13-02W	BELT GUARD SCREW NUT (M4) 螺母	3
F13-03	BELT GUARD (LEFT) 皮帶輪蓋(左)	1
F13-04	BELT GUARD (RIGHT) 皮帶輪蓋(右)	1
F13-05P	BELT GUARD SCREW(M4) 螺釘(短)	3
F13-06P	BELT GUARD SCREW(M5) 螺釘(長)	3
F13-07	ELT GUARD (BACK) (CPL.) 皮帶輪蓋架組	_
F13-08	BELT GUARD SLIDE SHAFT SNAP RING C型扣環	2
F13-09	BELT GUARD SLIDE 壓板	1
F13-10P	BELT GUARD SLIDE SCREW 螺釘	2
F13-11	BELT GUARD SLIDE STOPPER PLATE 銷	1
F13-12	BELT GUARD SLIDE SPRING 彈簧	1
F13-13	BELT GUARD (BACK) 皮帶輪架	1
F13-14	BELT GUARD SLIDE SHAFT 調整螺栓	1
F13-15P	BELT GUARD (BACK) WOOD SCREW 木螺釘	4
F13-16	THREAD UNWINDER (2-SPOOL) (CPL.) 線架組	
F13-17	PRESSER FOOT 壓腳	1
F13-18	PRESSER FOOT 壓腳	1
F13-19	PRESSER FOOT 壓腳	1
F13-20	PRESSER FOOT 壓腳	1
F13-21	THROAT PLATE 針板	1
F13-22	FEED DOG 沒布齒	1
F13-23	FINGER GUARD 護手	1
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LZ457A

高林股份有限公司 KAULIN MFG. CO.,LTD.

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