



SHING LING®
星菱牌工業用縫紉機
INDUSTRIAL SEWING MACHINE

TAIWAN
百分之百台灣製造
100% Made in Taiwan

CP
台正字第8144號

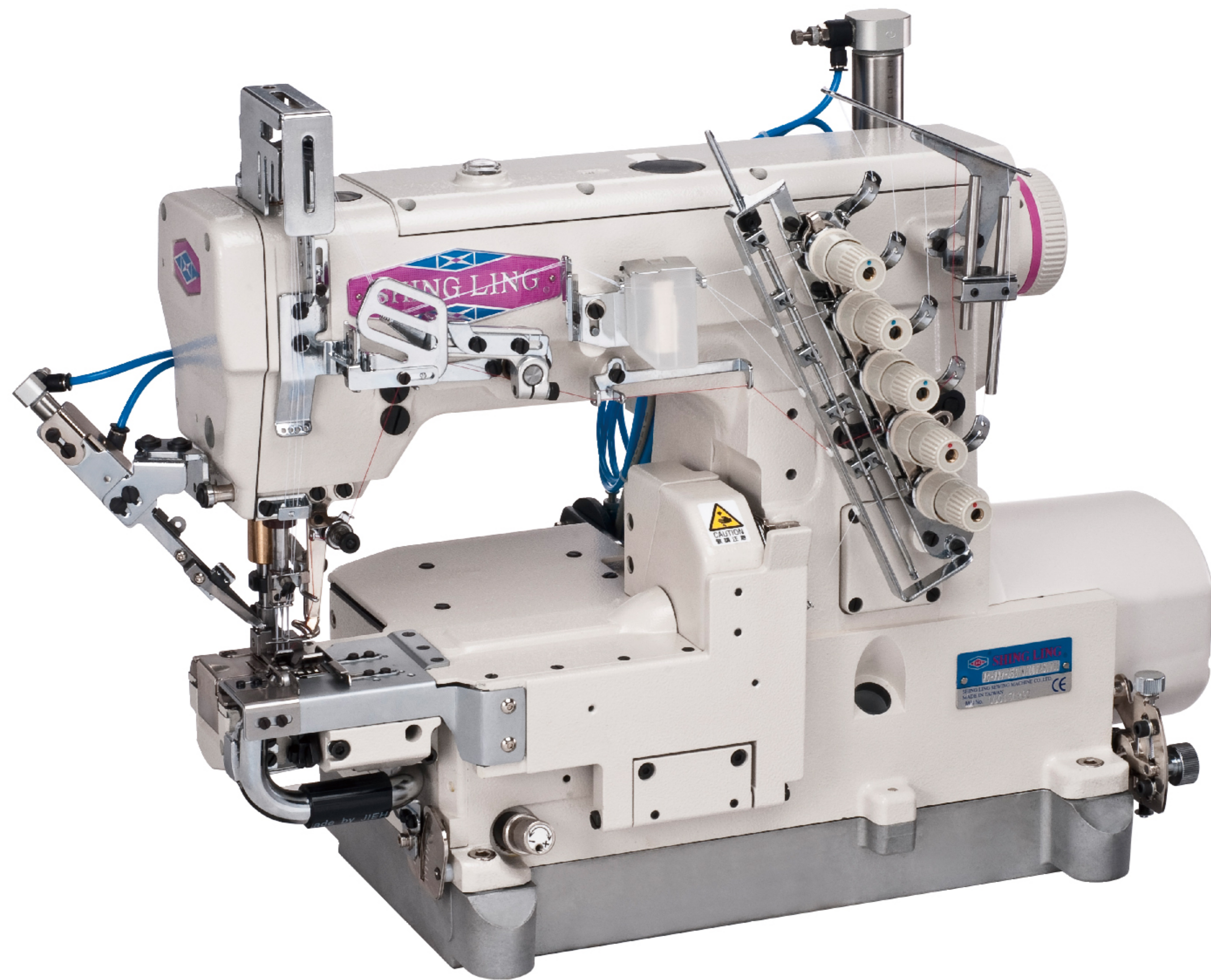


TAIWAN
EXCELLENCE 2012

VG-999S-N700 without TF Series

細筒型三針五線雙面飾綳縫機附左修刀

3-needle 5-thread Small Cylinder-bed Interlock Stitch
Machine with Left-hand Knife Fabric Trimmer



零件手冊 Spare Parts Book



SINCE 1989

星菱縫機股份有限公司
SHING LING SEWING MACHINE CO., LTD.

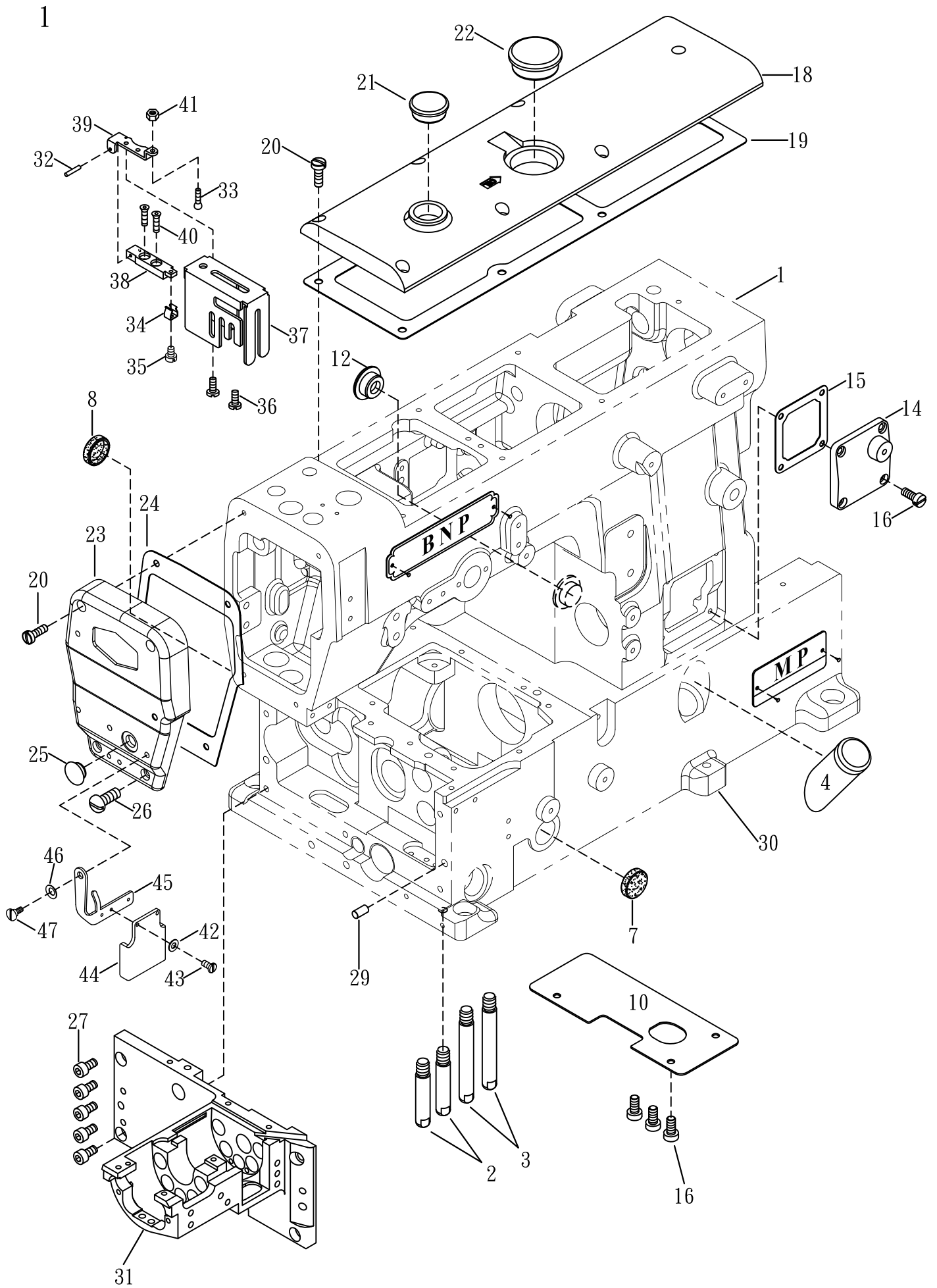
CE ISO 9001/CNS 12681



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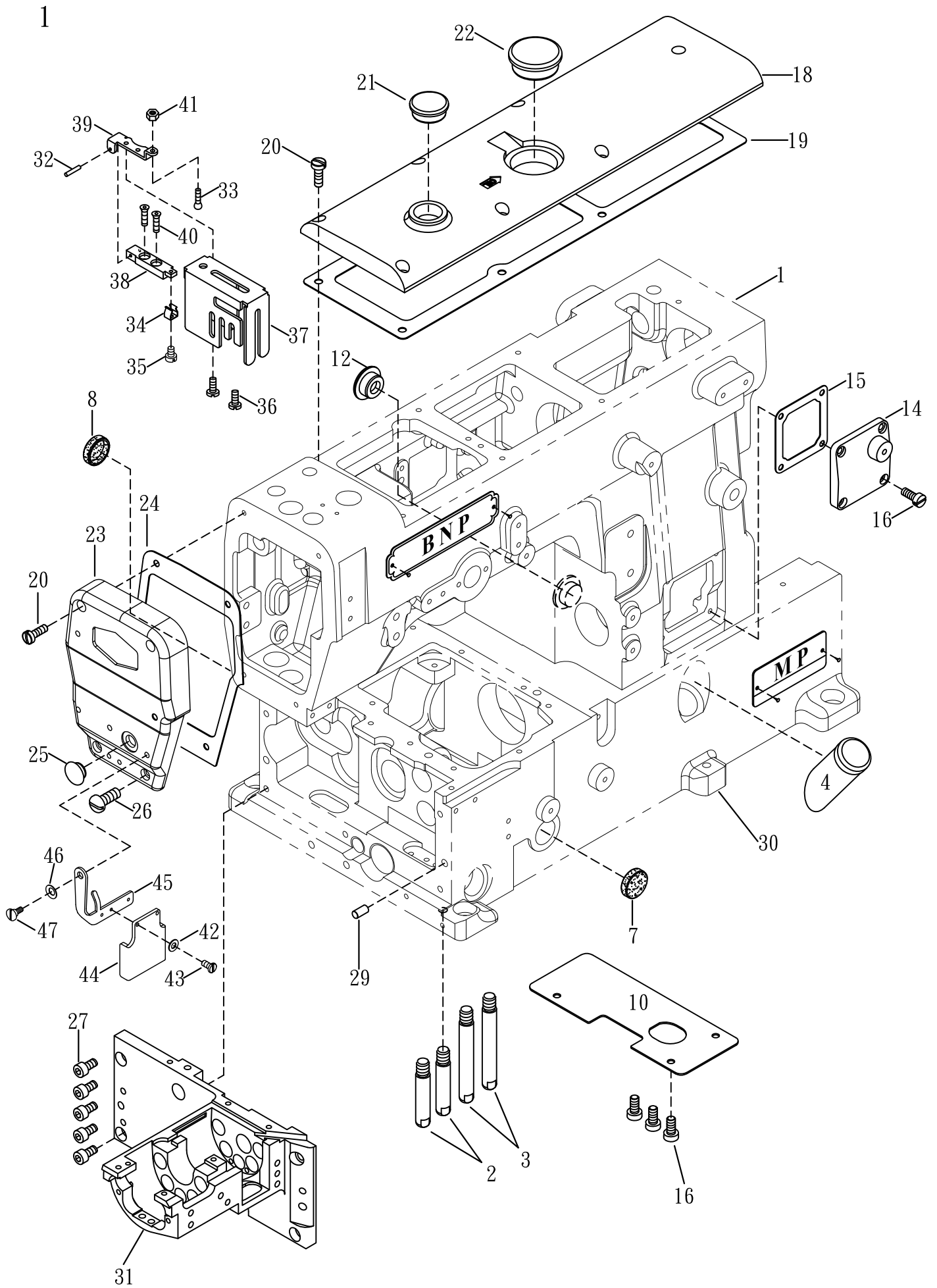


MISCELLANEOUS COVERS(1)

機殼及外蓋(1)

Ref. No.	Parts No.	Description	零件名稱	1 Amt . Req.
1	N0136-1	Machine Farme Unit	機殼	1
2	S0202-1	Machine Frame Supporting Bar (Short)	機體腳樁(短)	2
3	S0202L1	Machine Frame Supporting Bar (Long)	機體腳樁(長)	2
4	N1345	Oil Sight Gauge	外視油量計	1
5				
6				
7	S0207	Seal Plug	止油封塞	1
8	S0208	Seal Plug	止油封塞	1
9				
10	S0210-1	Dust-proof Plate	防塵蓋	1
11				
12	N0212	Seal Plug	膠塞	1
13				
14	N0133	Loop Thread Take-up Cover	提線輪組護蓋	1
15	N0137-1	Head Cover Gasket	防油墊片	1
16	SV221	Screw (M4 × 0.7 - 8)	螺絲	9
17	N0140	Needle Bar Guard	針柱護罩	1
18	N0101	Top Cover	上蓋	1
19	N0103	Top Cover Gasket	防油墊片	1
20	SV241	Screw (M4 - 0.7 × 14)	螺絲	9
21	N0104	Oil Sigh Window	外視油鏡	1
22	N0105	Head Cover Seal Plug	膠塞	1
23	NA0106-1	Head Cover	上側蓋	1
24	N0107	Head Cover Gasket	防油墊片	1
25	RV09	Head Cover Seal Plug	膠塞	1
26	SF220	Screw (M4 × 0.7 - 10)	螺絲	2
27	SV252NI	Screw (M5 × 0.8 - 10)	螺絲	5
28				
29	S0229	Knock Pin	固定銷	2
30	S0230-4	Lower Frame Unit	下座	1
31	S0231	Lower Arm Frame	下顎	1
32	VA18	Pin	插銷	1
33	L0354	Screw (SM1/8 - 44)	螺絲	1
34	L0357	Cover Latch Spring	夾簧	1
35	SV206	Screw (M2.5 - 0.45 × 3.5)	螺絲	1
36	MEE040	Screw (M3.5 - 0.6 × 4)	螺絲	2
37	N0140B	Needle Bar Guard	針柱護罩	1
38	N0144	Cover Hinge(Lower)	護蓋鉸板(下)	1
39	N0145	Cover Hinge(Upper)	護蓋鉸板(上)	1
40	L0635N1	Screw (M4 - 0.7 × 6)	螺絲	2

* Ref. No. 41 to 47See the following page

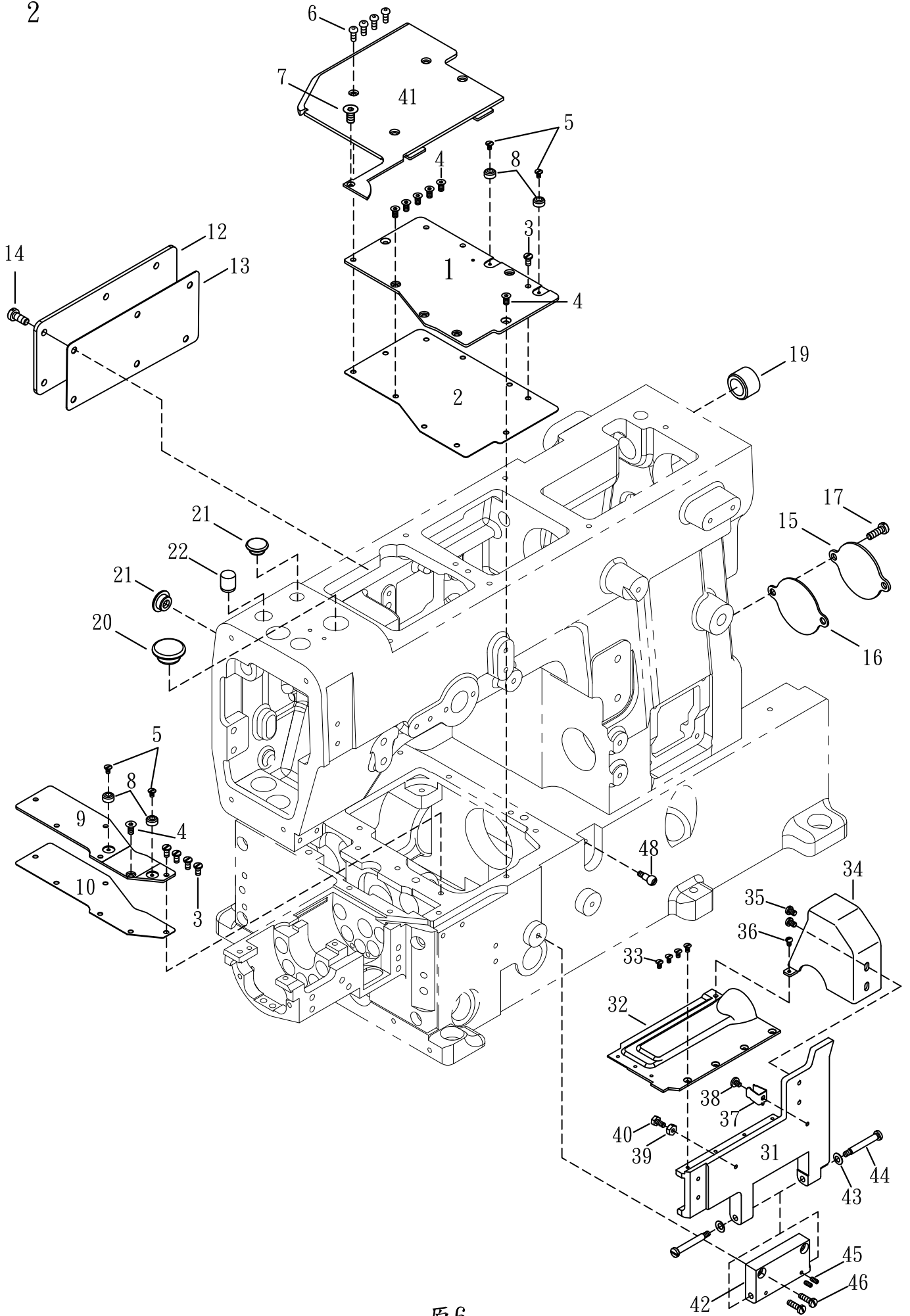


MISCELLANEOUS COVERS(1)**機殼及外蓋(1)****1**
Amt .
Req .

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零 件 名 稱</u>	
41	NV11	Nut	螺帽	1
42	GE47	Washer	墊圈	2
43	GK08	Screw (M3 - 0.5 × 5.6)	螺絲	2
44	N0448	Eye Guard	護目鏡片	1
45	NA0149	Eye Guard Holder	護目鏡支架	1
46	M0213	Washer	波浪華司	1
47	M0214	Screw (M4-0.7 x 4)	螺絲	1

* Ref. No. 1 to 40See the preceding page.

2



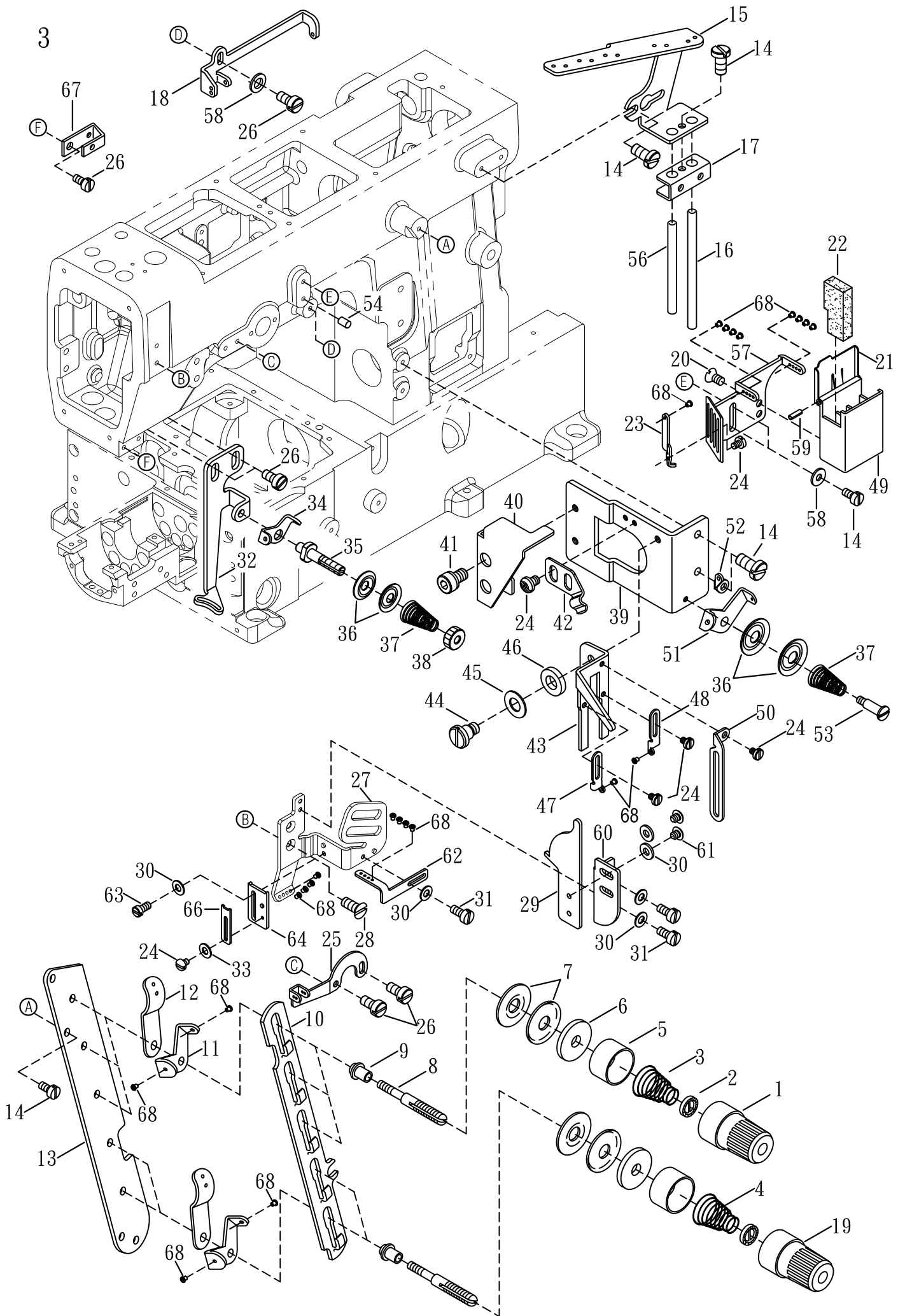
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MISCELLANEOUS COVERS(2)

機殼及外蓋(2)

2

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零 件 名 稱</u>	<u>Amt.</u> <u>Req.</u>
1	S0601-1	Crank Chamber Cover	曲軸室上蓋	1
2	S0602-2	Crank Chamber Cover Gasket	曲軸室墊片	1
3	S0603	Screw (M4 × 0.7 - 8)	螺絲	5
4	MFS080	Screw (M4 × 0.7 - 8)	螺絲	7
5	MEB030	Screw (M3.5 x 0.6 - 3)	螺絲	4
6	LL0203NI	Screw (M4 × 0.7 - 10)	螺絲	4
7	29-64	Screw (M3 × 0.5 - 6)	螺絲	1
8	S0608	Rubber Cushion	耐油橡膠	4
9	S0609-2	Differential Feed Cover	差動室上蓋	1
10	S0610-2	Differential Feed Cover Gasket	差動室墊片	1
11				
12	VB08	Rear Cover	後蓋	1
13	N0209	Rear Cover Gasket	後蓋墊片	1
14	SV232	Screw (M4 × 0.7 - 10)	螺絲	6
15	N0246	Thread Take - up Cover (Rear)	提線護蓋 (後)	1
16	N0273	Washer	墊片	1
17	L0202NI	Screw (M4 × 0.7 - 8)	螺絲	2
18				
19	N0208	Seal Plug	膠塞	1
20	N0212	Seal Plug	膠塞	1
21	RV09	Seal Plug	膠塞	2
22	GD28	Seal Plug	油封	1
23				
24				
25				
31	S0240	Front Cover (Lower)	前蓋底座	1
32	S0238	Front Cover (Upper)	前蓋頂座	1
33	SV211	Screw (M3 - 0.5 × 6)	螺絲	4
34	S0236	Thread Take - up Cover (Front)	提線護蓋	1
35	GJ36	Screw (M4 - 0.7 × 5.8)	螺絲	2
36	SV215	Screw (M3 - 0.5 × 5)	螺絲	1
37	N0243	Cover Latch Spring	夾簧	1
38	MFL080	Screw (M4 - 0.7 × 8)	螺絲	1
39	NF27	Nut (M4 - 0.7)	螺帽	1
40	MFZ100	Screw (M4 - 0.7 × 14)	螺絲	1
41	S0241-3	Cloth Plate	縫製平台	1
42	N0222	Front Cover Hinge	前蓋鉸鏈	1
43	VB29	Conical Spring Washer	錐形彈簧墊片	2
44	SV225	Screw (M4 - 0.7)	螺絲	2
45	SV242	Screw (M4 - 0.7 × 3)	螺絲	2
46	SV241	Screw (M4 - 0.7 × 14)	螺絲	2
48	SV230	Screw	螺樁	1



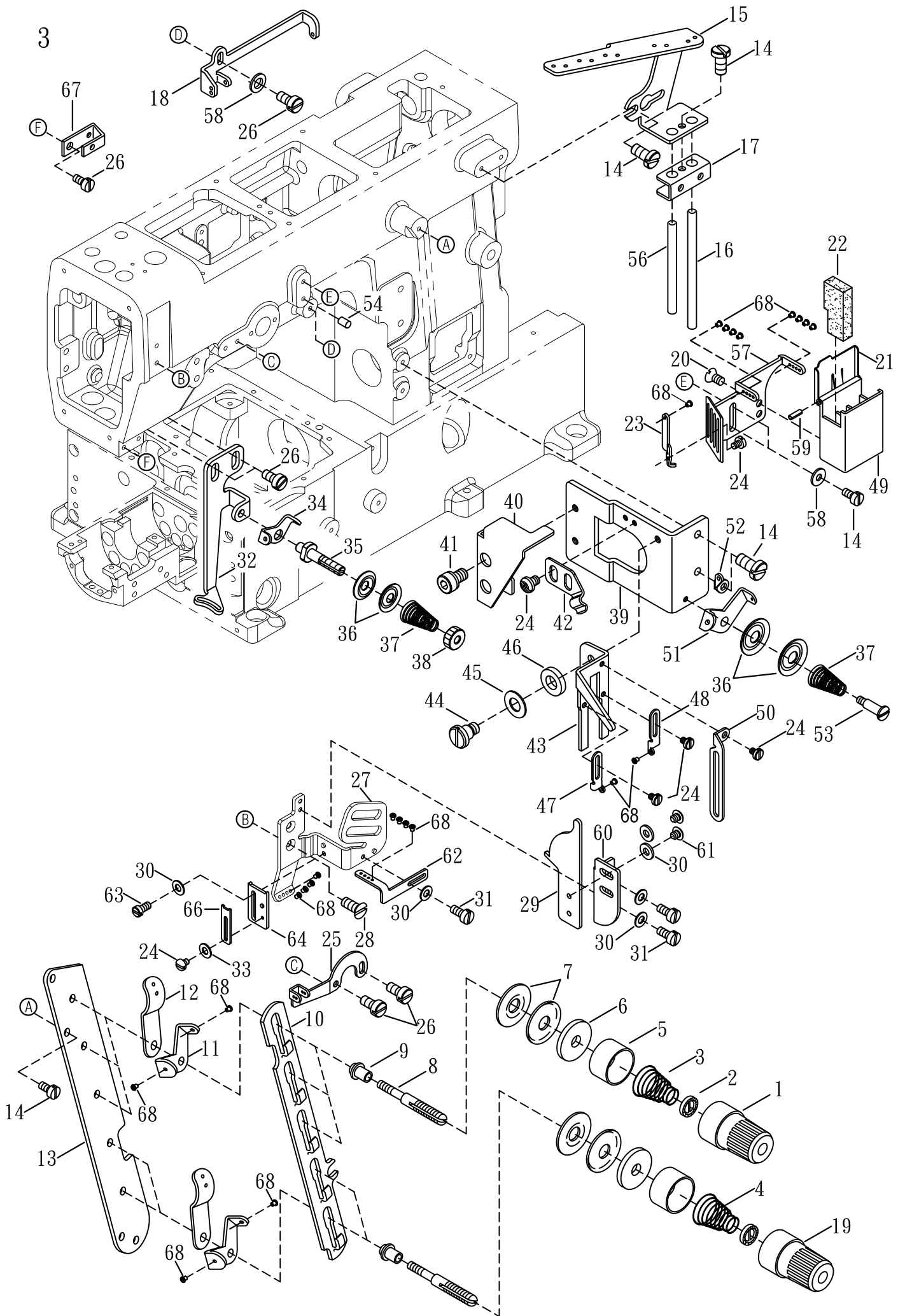
MISCELLANEOUS THREAD EYELETS(Plain)

過線裝置及附件(普通)

3

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	FK20-1	Thread Tension Spring Cap	上線張力調整鈕 (藍)	3
2	FK19	Tension Spring Disc Support	張力調整圓盤	5
3	VC03	Needle Thread Tension Spring	針線張力彈簧	3
4	VC05	Top Cover Thread Tension Spring	上線張力彈簧	2
5	FJ21	Thread Tension Spring Retainer	上線張力彈簧固定座	5
6	FK12	Felt	氈墊	5
7	FK14	Tension Disc	張力過線盤 (大)	10
8	VC09-1	Tension Post	上線張力彈簧支柱	5
9	VC10	Tension Post Ferrule	上線張力支柱隔環	5
10	VC11	Tension Disc Separator	上線張力圓盤鬆線滑板(普通用選配)	1
11	VC12	Tension Disc Eyelet	上飾線過線板	5
12	VC13	Thread Lead - in Guide	過線導片	5
13	VC14	Tension Post Support	上線張力組支柱座	1
14	GB37	Screw (M 4- 0.7 × 8)	螺絲	9
15	VC21	Thread Guide Plate	過線導板	1
16	VC17	Thread Eyelet Pipe (Long)	過線導管 (長)	1
17	VC20	Thread Eyelet Pipe Stay	過線導管固定座	1
18	VC22	Top Cover Thread Eyelet (Right)	上飾線過線桿 (右)	1
19	FK20	Thread Tension Spring Cap (R)	上線張力調整鈕 (紅)	2
20	SF111	Screw (SM9/64 - 40 × 6.7)	螺絲	2
21	VC25-1	SP Container Cover	矽油槽蓋	1
22	VC26	Felt	氈墊	1
23	F0367	Thread Eyelet Support	導線支柱	3
24	SV206	Screw (M2.5 - 0.45 × 3.5)	螺絲	8
25	M0838	Top Cover Thread Eyelet (Left)	上飾線導線桿 (左)	1
26	SV221	Screw (M4 - 0.7 × 8)	螺絲	5
27	N0327-3	Needle Thread Eyelet	針柱過線座	1
28	GB18	Screw (M4 - 0.7 × 8)	螺絲	2
29	N0378-1	Needle Thread Guard	針線導架	1
30	GE47	Washer	墊圈	6
31	SV208	Screw (M3 - 0.5 × 4.4)	螺絲	3
32	N0332	Top Cover Thread Guide	上飾線導板	1
33	M0830	Washer	墊片	1
34	N0334	Supplementary Thread Guide	上飾線輔助導板	1
35	VC40	Tension Post	上飾線張力調整組支柱	1
36	FC24	Top Cover Tension Disc(Small)	上飾線過線盤 (小)	4
37	VC42	Supplementary Tension Spring	彈簧	2
38	VC43	Nut	螺帽	1
39	N0339	Thread Take-up Eyelet Bracket	提線組托架	1
40	S0232-1	Thread Take - up Cover (Rear)	提線護蓋 (後)	1

* Ref. No. 41 to 68See the following page



MISCELLANEOUS THREAD EYELETS(Plain)

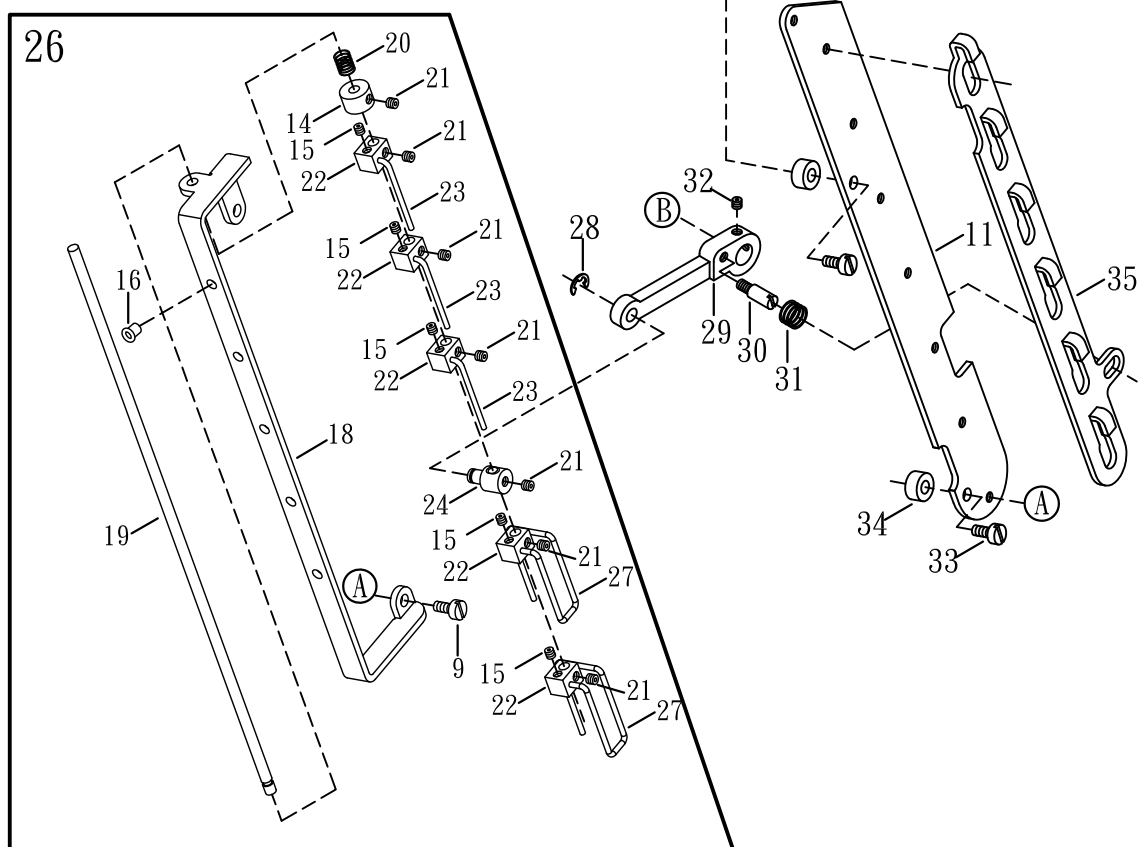
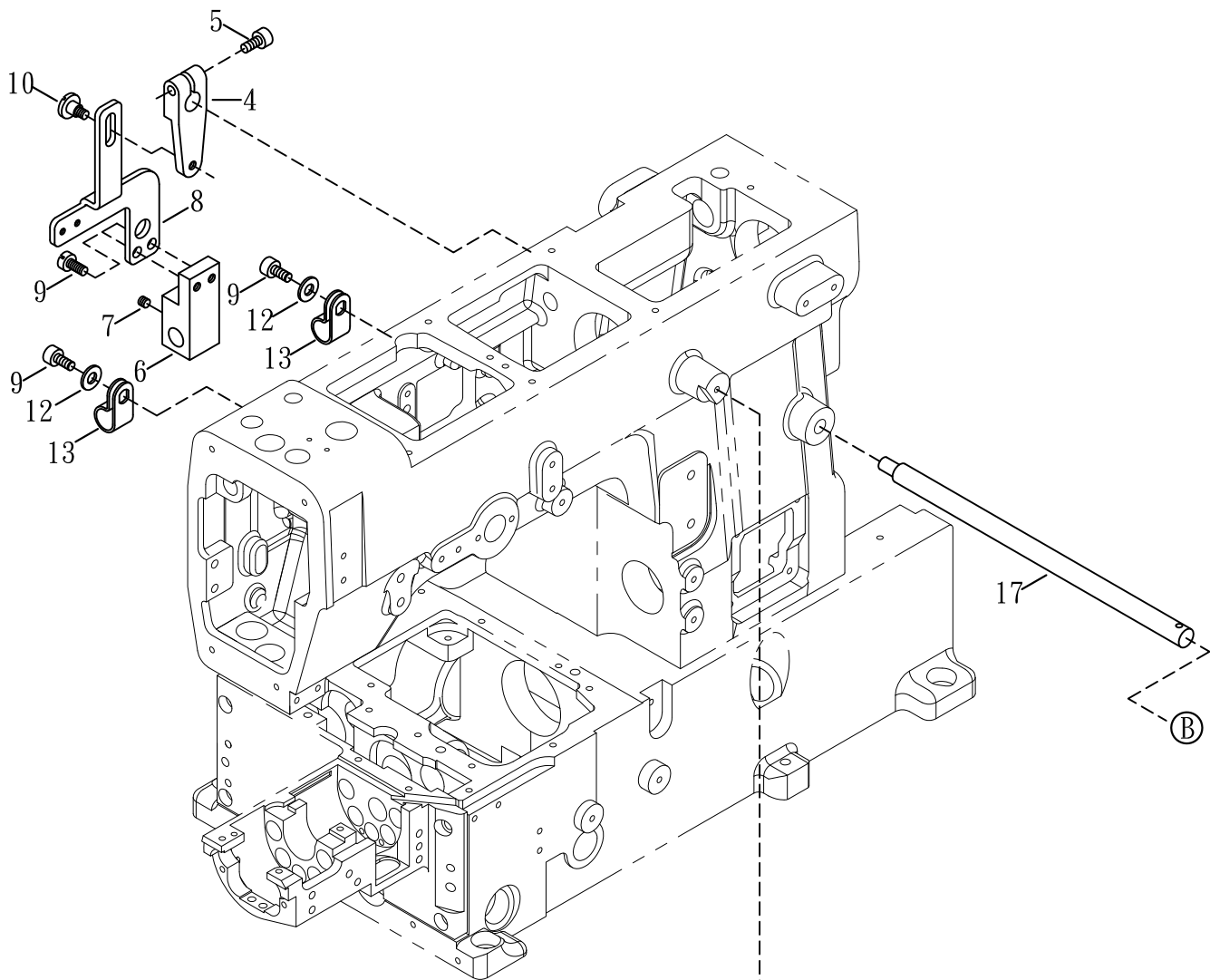
過線裝置及附件(普通)

3

<u>Ref. No.</u>	<u>Parts No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt. Req.</u>
41	SF222	Screw (M4 - 0.7 × 6)	螺絲	2
42	VC58	Latch Spring	鎖門彈簧	1
43	VC49-1	Thread Take-up Eyelet Holder	提線托板	1
44	N0344	Screw (M4 - 0.7 × 6.5)	螺絲	1
45	VB29-1	Conical Spring Washer	錐形彈簧墊圈	1
46	VK48	Washer	墊片	1
47	VC57-1	Thread Take - up Eyelet (Left)	調線板 (左)	1
48	VC55-1	Thread Take - up Eyelet (Right)	調線板 (右)	1
49	VC25	SP Cover	矽油槽	1
50	N0350	Looper Thread Guide	下飾線托線板	1
51	VC46	Looper Thread Eyelet	下勾針過線板	1
52	S0352	Thread Eyelet	過線片	1
53	SV218	Screw (M3 - 0.5)	螺絲	1
54	VC30	Guide Pin	固定插銷	1
55				
56	VC18	Thread Eyelet Pipe (Short)	過線導管 (短)	1
57	N0357	Needle Thread Eyelet	導線過線架	1
58	WF03	Washer	墊片	2
59	PF10-1	SP Felt Stay	固定銷	1
60	N0379	Adjusting lever	可調式導板	1
61	18-26NI	Screw (M3 - 0.5 × 4)	螺絲	2
62	M0834-1	Thread Eyelet	過線板	1
63	SV215	Screw (M3 - 0.5 × 5)	螺絲	1
64	M0832	Needle Thread Guide	針線導架	1
65				
66	M0831	Thread Eyelet	過線板	1
67	VC33	Needle Thread Retainer Support	針線張力調整組固定座 (小)	1
68	J0865-2	Ceramic	陶瓷	29

* Ref. No. 1 to 40See the preceding page.

3-1

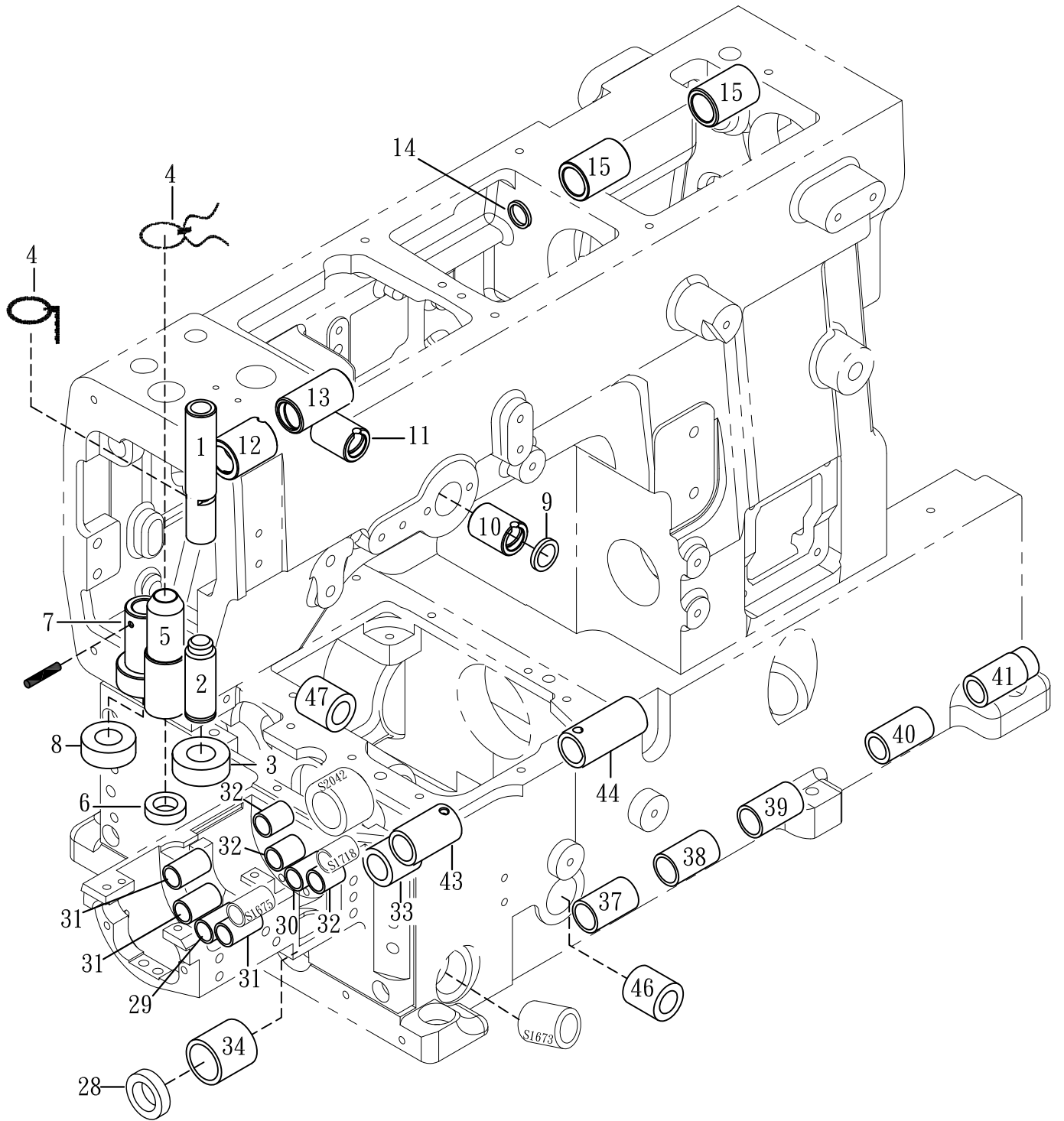


MISCELLANEOUS THREAD EYELETS(Automatic)

過線裝置及附件(切線)

3-1
Amt.
Req.

Ref. No.	Parts No.	Description	零件名稱	
1				
2				
3				
4	16-04-1	Tension Release Lever	張力釋放驅動連桿 (後)	1
5	SV223	Screw (M4 - 0.7 × 14)	螺絲	1
6	16-06-1	Tension Release Block	壓簧固定座	1
7	SV260	Screw (M6 - 1 × 5)	螺絲	2
8	S0336-1	Tension Release Connecting Plate	安全開關固定座(普通)	1
9	SV221	Screw (M4 - 0.7 × 8)	螺絲	6
10	16-10	Screw (M4 - 0.7)	螺絲	1
11	VC14	Thread Tension Base (Optional)	針線張力座 (選購)	1
12	WF04	Washer	墊片	2
13	FL13	Cord Clamp	配線固鈕 UC-1	2
14	16-14	Collar	止推軸環	1
15	SF106	Screw (SM1/8 - 44 × 3.8)	螺絲	5
16	FA20	Ceramic Guide	陶瓷	5
17	N1917	Tension Release Shaft	張力釋放軸	1
18	16-18-2	Thread Pull-off Eyelet	過線鬆線架	1
19	16-19	Thread Pull-off Bar	過線鬆線桿	1
20	VC36	Swing-Proof Spring	防震彈簧	1
21	SV242	Screw (M4 - 0.7 × 3)	螺絲	7
22	16-22	Thread Pull-off Hook Unit (One Hook)	針線釋放固定座 (單孔)	5
23	16-23	Thread Wiper Lever	撥線桿	3
24	16-24	Thread Pull-off Bar Holder	鬆線轉動軸	1
25				
26	16-26	Thread Pull-off Set	鬆線組	1
27	16-27	Thread Wiper Lever	撥線桿	2
28	16-28	Retaining Ring	扣環 ETW-4 BK	1
29	M1929	Tension Connected Lever (Front)	拉力釋放驅動連桿 (前)	1
30	16-30	Screw (M4 - 0.7 × 15)	螺樁	1
31	VH49-1	Spring	防震彈簧	1
32	SF228	Screw (M4 - 0.7 × 4)	螺絲	2
33	SV241	Screw (M4 - 0.7 × 14)	螺絲	2
34	16-34	Spacer	襯墊	2
35	16-35	Tension Disc Separator	過線張力盤分離架	1



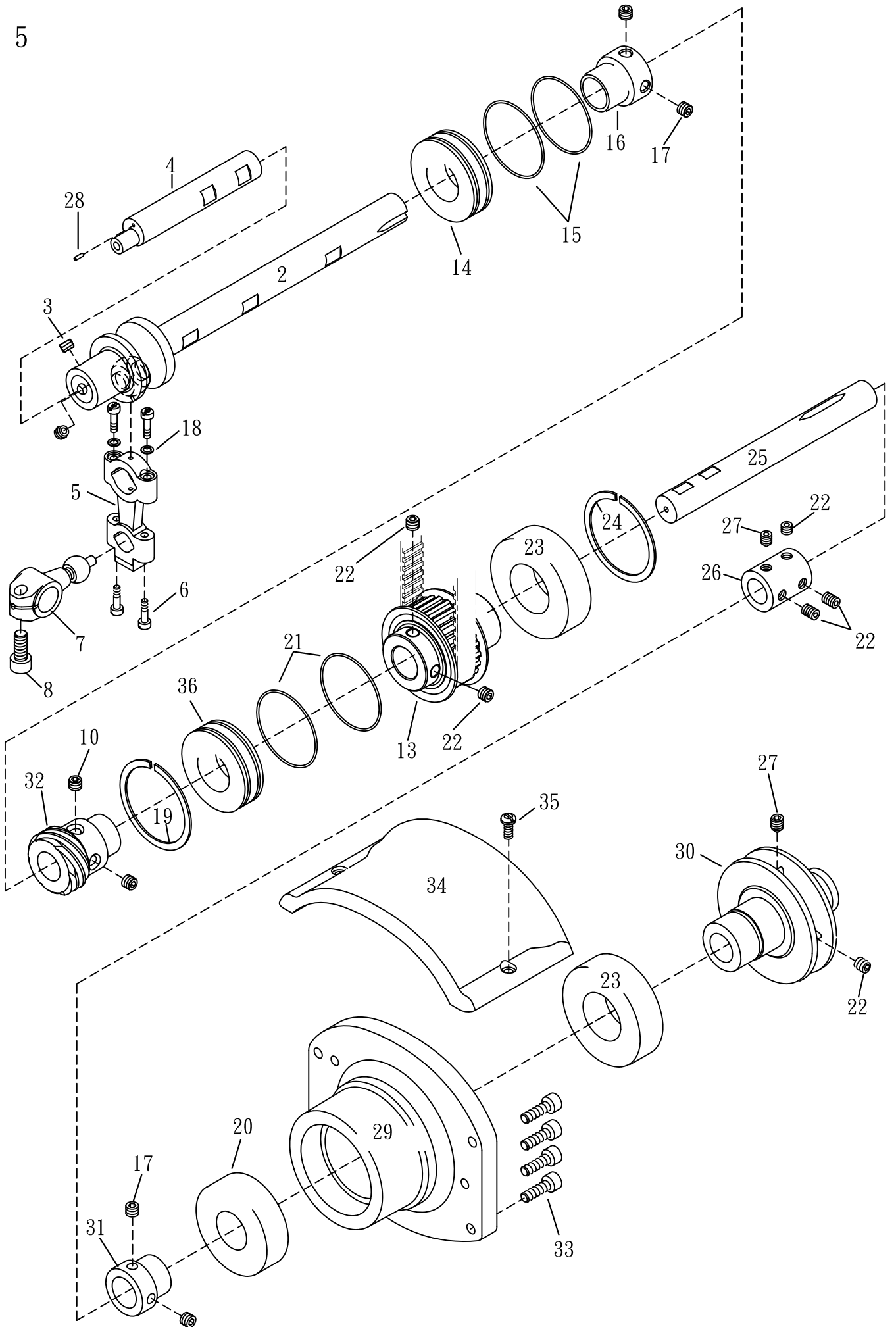
MISCELLANEOUS BUSHINGS

套管裝置

4

<u>Ref. No.</u>	<u>Parts No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt. Req.</u>
1	N0458	Needle Bar Bushing (Upper)	針柱套管 (上)	1
2	N0457	Needle Bar Bushing (Lower)	針柱套管 (下)	1
3	N1048	Oil Seal	止油環	1
4	IM001	Felt	油線	2
5	N0405-1	Persser Bar Bushing	壓腳套管	1
6	VD04	Oil Seal	止油環	1
7	N0407-1	Spreader Driving Bar Bushing	上飾線結線套管	1
8	VD06	Oil Seal	止油環	1
9	N0409-2	Oil Seal	止油環	1
10	N0410-1	Needle Thread Take - up Bushing (Fron	針線揚線桿套管 (前)	1
11	N0411-1	Needle Thread Take - up Bushing (Rea	針線揚線桿套管 (後)	1
12	N0412-1	Spreader Driving Shaft Bushing (Left)	上飾線結線器傳動軸套管 (左)	1
13	N0413-1	Spreader Driving Shaft Bushing (Right	上飾線結線器傳動軸套管 (右)	1
14	N0414	Oil Seal	止油環	1
15	N0415-1	Lifter Shaft Persser Bar Bushing	壓腳提升主軸套管	2
26				
27				
28	VK28	Oil Seal	油封	1
29	S1240	Needle Guard Holder Bushing (Left)	頂針組套管 (左)	1
30	S1241	Needle Guard Holder Bushing (Right)	頂針組套管 (右)	1
31	S1675	Differential Feed Bar Shaft Bushing (Left)	傳動軸套管(左)	3
32	S1674	Differential Feed Bar Shaft Bushing (Righ	傳動軸套管(右)	3
33	S1671	Feed Bar Lift Shaft Bushing (Rear)	主送料具傳動軸套管(後)	1
34	S1672-2	Control Lever Shaft Bushing	控制桿軸套管	1
37	S1883	Micro Differentiaial Feed Adjustment Bushing (Center)	微調差動軸套管(左1)	1
38	N0415	Micro Differentiaial Feed Adjustment Bushing (Left)	微調差動軸套管(左2)	1
39	S1880	Micro Differentiaial Feed Adjustment Bushing (Center)	微調差動軸套管(中)	1
40	S1881	Micro Differentiaial Feed Adjustment Bushing (Center)	微調差動軸套管(右2)	1
41	N0435-2	Micro Differentiaial Feed Adjustment Bushing (Right)	微調差動軸套管(右1)	1
42				
43	S2043	Differential Feed Bar Shaft Bushing (Left)	高低送料具傳動軸套管(左)	1
44	S2044	Differential Feed Bar Shaft Bushing (Righ	高低送料具傳動軸套管(右)	1
45				
46	S1441	Looper Driving Shaft Bushing (Front)	下勾針傳動軸套管 (前)	1
47	S1442	Looper Driving Shaft Bushing (Rear)	下勾針傳動軸套管 (後)	1

5



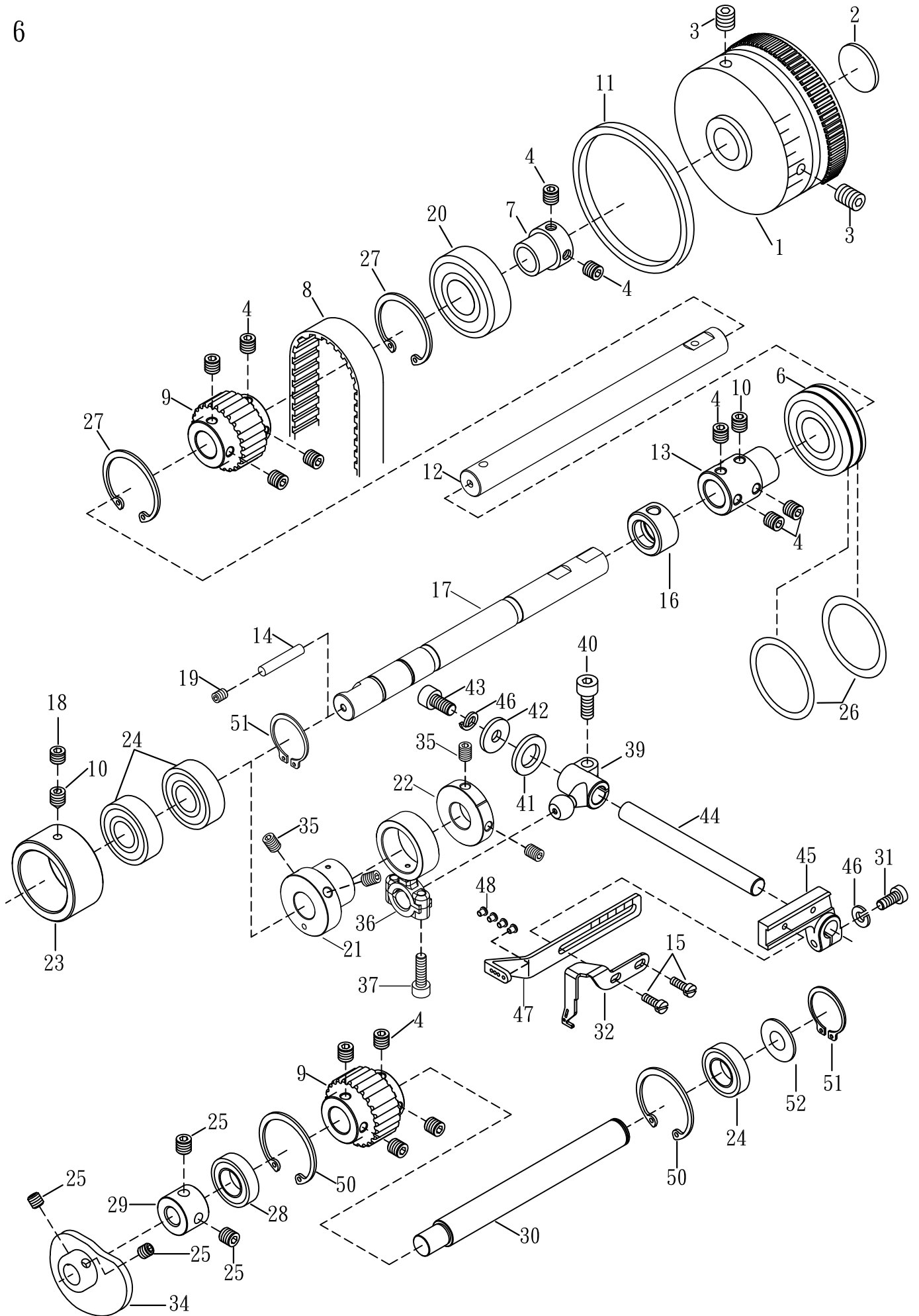
原8

MAIN SHAFT DRIVING MECHANISM

下主軸傳動機構

5

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt.</u> <u>Req.</u>
1				
2	S0802-1	Lower Crankshaft	下曲軸	1
3	S0803	Screw (M6 × 0.75 - 4)	螺絲	2
4	S0804-2	Lower Shaft (Left)	下傳動軸(左)	1
5	S0805	Connecting Rod	萬向接頭	1
6	S0806	Screw (SM 9/64 × 40 - 13)	螺絲	4
7	S0807	Driving Unit	傳動桿	1
8	M0612	Screw (M6 - 0.75 × 14)	螺絲	1
9				
10	S0810	Screw (M6 - 0.75 × 5)	螺絲	2
11				
12				
13	S0813B	Main Shaft Sprocket (Lower)	下主軸齒形輪	1
14	GE11-3	Ball Bearing (Left) (42 × 20)	滾珠培林 (左)	1
15	GE59	O Ring	O型環	2
16	L0530	Collar	軸套	1
17	SV260	Screw (M6 - 1.0 × 5)	螺絲	4
18	S0818	Washer	墊片	2
19	VE09	Retaining Ring	扣環	1
20	VE10	Ball Bearing (47 × 20)	滾珠軸承	1
21	L0528-2	O Ring	O型環	2
22	SF240	Screw (M6 - 1.0 × 6)	螺絲	6
23	VE06	Ball Bearing (Right) (52 × 20)	滾珠培林 (右)	2
24	VE07	Retaining Ring	扣環	1
25	N0538-1	Lower Shaft (Right)	下傳動軸 (右)	1
26	GE13	Lower Shaft Joint	下傳動軸連結套管	1
27	SV261	Screw (M6 - 1.0 × 8)	螺絲	2
28	S0828	Pin	空心門	1
29	N0537	Ball Bearing Base	培林固定座	1
30	N0501	Pulley	皮帶輪	1
31	L0503	Collar	軸套	1
32	S0832	Driving Worm	傳動螺桿	1
33	SV253	Screw (M5 - 0.8 × 16)	螺絲	4
34	N0539	Base Top Cover	固定座上	1
35	SF220	Screw (M4 - 0.7 × 10)	螺絲	2
36	M0634	Ball Bearing (47 × 20)	滾珠軸承	1



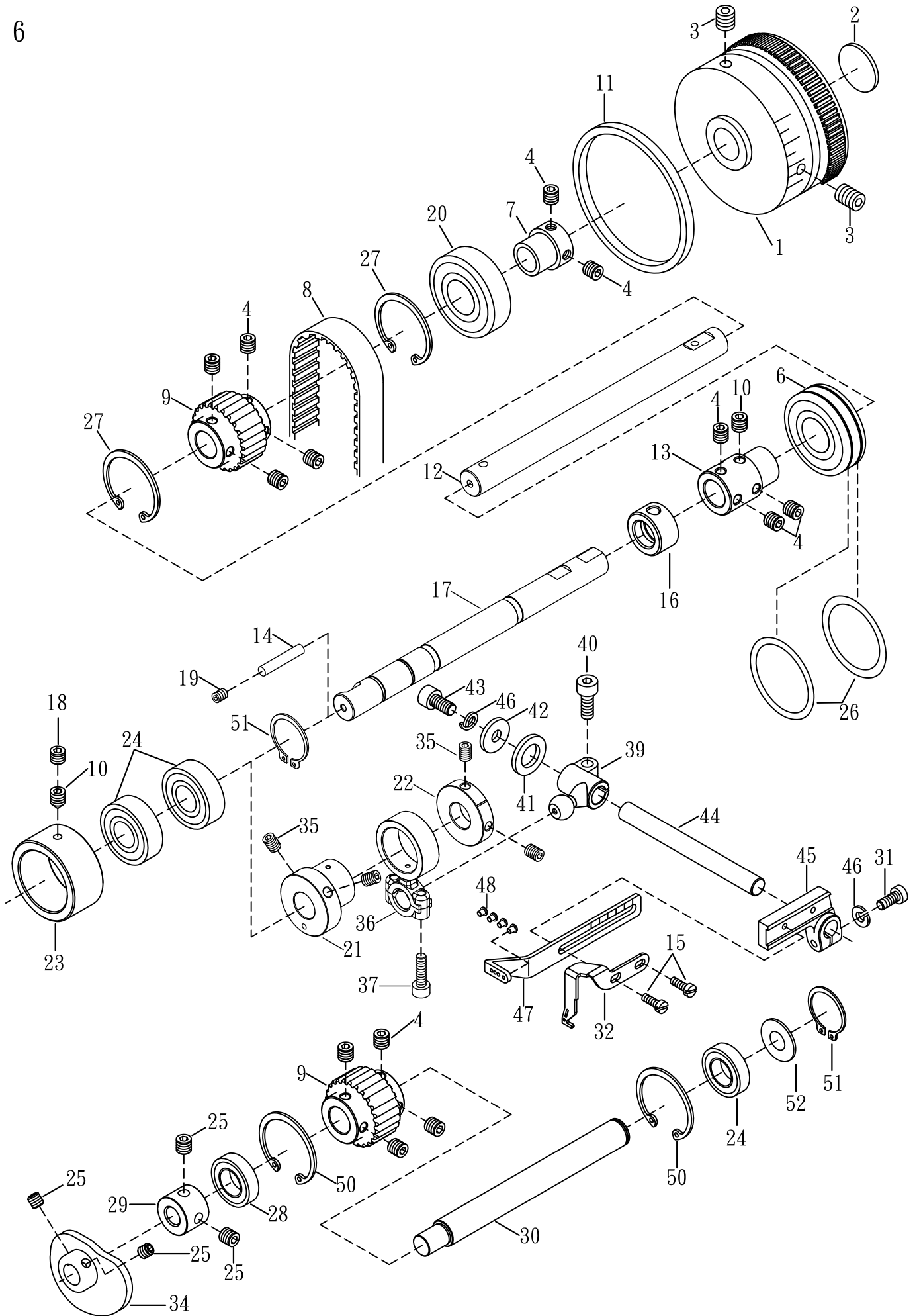
UPPER SHAFT - MECHANISM

上軸機構

6

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	F0601	Handwheel	手推輪	1
2	VF04	Handwheel Mark	手推輪商標銘牌	1
3	SF241	Screw (M6 - 1.0 × 10)	螺絲	2
4	SF240	Screw (M6 - 1.0 × 6)	螺絲	13
5				
6	M0634	Ball Bearing	滾珠軸承	1
7	N0607	Collar	軸套	1
8	N0608-1	Timing Belt(GT560-5GT)	齒形皮帶	1
9	GF08-2	Upper Shaft Sprocket (Upper)	上主軸齒形輪 (上)	2
10	SV261	Screw (M6 - 1 × 8)	螺絲 (尖頭)	2
11	F0639-3	O-ring	橡膠環	1
12	N0612	Upper Shaft	上主軸傳動軸	1
13	N0613	Upper Shaft Joint	上主軸接頭	2
14	N0614	Felt	吸油棉	1
15	SV221	Screw (M4 - 0.7 × 8)	螺絲	2
16	N0616-1	Oil Sleeve	聚油套環	1
17	N0617-2	Upper Crank Shaft	上曲軸	1
18	N0518	Screw (M6 - 1.0 × 4)	螺絲	1
19	N0260	Screw (M4 - 0.7 × 10)	螺絲	1
20	VE10	Ball Bearing	滾珠軸承	1
21	N0621	Eccentric Thread Take - up	揚線偏心輪	1
22	N0622	Collar	定位環	1
23	N0623	Connecting Rod	培林殼	1
24	VF19	Ball Bearing	滾珠培林	3
25	SF142	Screw (SM7 / 32 - 32 × 4)	螺絲	4
26	L0528	O Ring	O型環	2
27	VE09	Retaining Ring	扣環	2
28	VF19LU	Ball Bearing	滾珠培林	3
29	N0629	Collar	軸環	1
30	S0834-1	Looper Thread Take - up Shaft	下勾針提線主軸	1
31	SV253NI	Screw (M5 - 0.8 × 16)	螺絲	1
32	M0835	Top Cover Thread Take - up	上飾線揚線桿	1
33				
34	F0530	Looper Thread Take - up	下勾針提線輪	1
35	SV264	Screw (M6 - 1 × 8)	螺絲	4
36	N0636-1	Connecting Rod	萬向連桿	1
37	SV223	Screw (M4 - 0.7 × 14)	螺絲	2
38	N0535	Anti-shock Rubber	避震膠墊	2
39	N0639	Guide Fork	傳動桿	1
40	SV268	Screw (M6 - 1.0 × 16)	螺絲	1

* Ref. No. 41 to 52See the following page

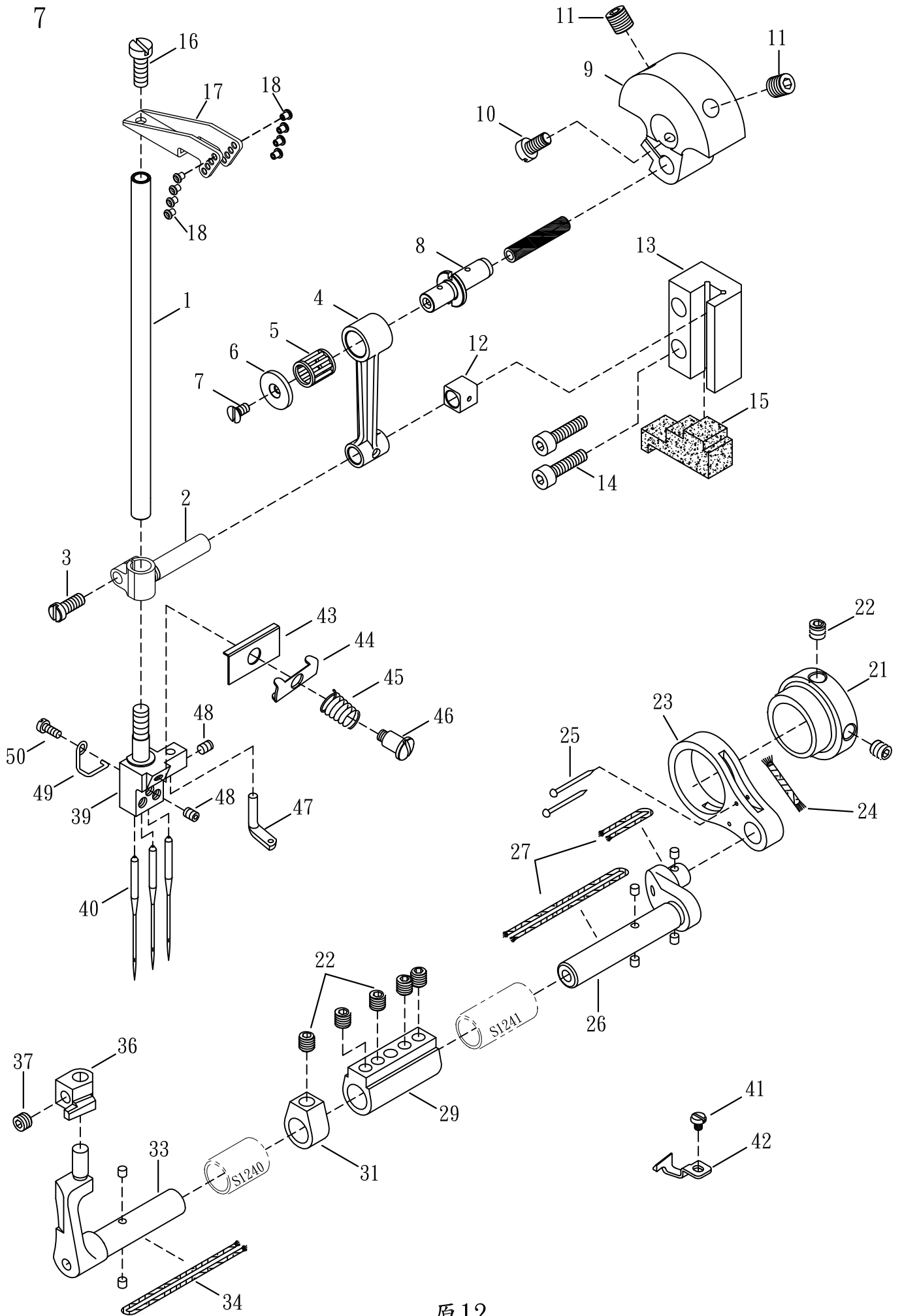


UPPER SHAFT - MECHANISM**上軸機構****6**

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt.</u> <u>Req.</u>
41	N0641	Spacer	襯套	1
42	VF29	Washer	墊片	1
43	SV252	Screw (M5 - 0.8 × 10)	螺絲	1
44	N0644-1	Driving Shaft	傳動軸	1
45	M0808	Bracket	固定座	1
46	SW06	Spring Washer	彈簧墊片	2
47	N0647-3	Needle Thread Take - up	針線揚線桿	1
48	J0865-2	Ceramic	陶瓷	4
49				
50	N0650	Retaining Ring	扣環	2
51	N0651	Retaining Ring	扣環	2
52	N0652	Washer	墊片	1

* Ref. No. 1 to 40See the preceding page.

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原12

NEEDLE BAR, NEEDLE GUARD MECHANISM

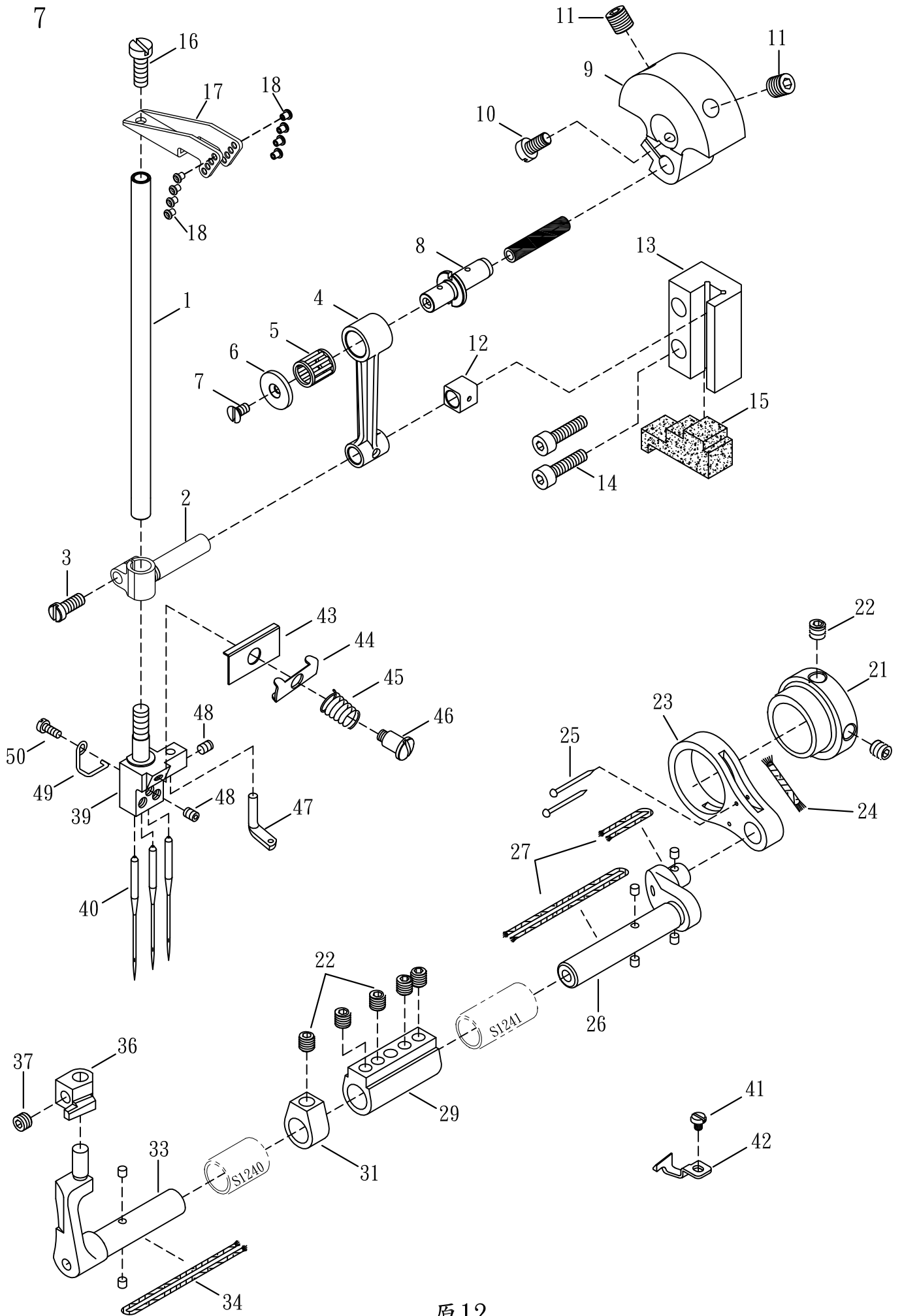
針棒、頂針機構

7

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	GG04-2	Needle Bar	針柱	1
2	F0704-1	Needle Bar Bracket	針柱驅動架	1
3	MFB100	Screw (M4 - 0.7 × 10)	螺絲	1
4	F0717	Connecting Rod	連桿	1
5	VG19	Roller Bearing	滾針培林	1
6	N0717	Connecting Rod Ring	連桿襯墊	1
7	SV211	Screw (M3 - 0.5 × 6)	螺絲	1
8	N0719-1	Connecting Rod Pin	連桿插銷	1
9	N0711	Counterweight	平衡配重凸輪	1
10	N0712	Screw (M5 - 0.8 × 10)	螺絲	2
11	N0713	Screw (M8 - 1.25 × 12)	螺絲	2
12	VG22	Slide Block	針柱定位滑塊	1
13	N0723	Needle Bar Guide	針柱定位導槽	1
14	MFP160	Screw (M4 - 0.7 × 16)	螺絲	2
15	N0726	Oil Sponge	吸油棉	1
16	SF114	Screw (SM9/64 - 40 × 7.5)	螺絲	1
17	N0727-1	Needle Bar Thread Eyelet	針柱頂線過線桿	1
18	J0865-2	Ceramic	陶瓷	8
19				
20				
21	S1221	Needle Guard Eccentric	頂針片偏心輪(後)	1
22	SF228	Screw (M4 - 0.7 × 4)	螺絲	7
23	S1223-1	Needle Guard Lever (Rear)	頂針擺動連桿(後)	1
24	S1224	Oil Wick	油蕊	1
25	S1225	Pin	大頭釘	2
26	S1226-1	Needle Guard Connecting Shaft (Rear)	頂針連接軸(後)	1
27	S1227	Oil Wick	油蕊	2
28				
29	S1229-1	Connecting Bushing	連接軸套	1
30				
31	S1231	Collar	軸環	1
32				
33	S1233-1	Needle Guard Holder (Rear)	頂針固定座(後)	1
34	S1234	Oil Wick	油蕊	1
35				

* Ref. No. 36 to 50See the following page

7



原12

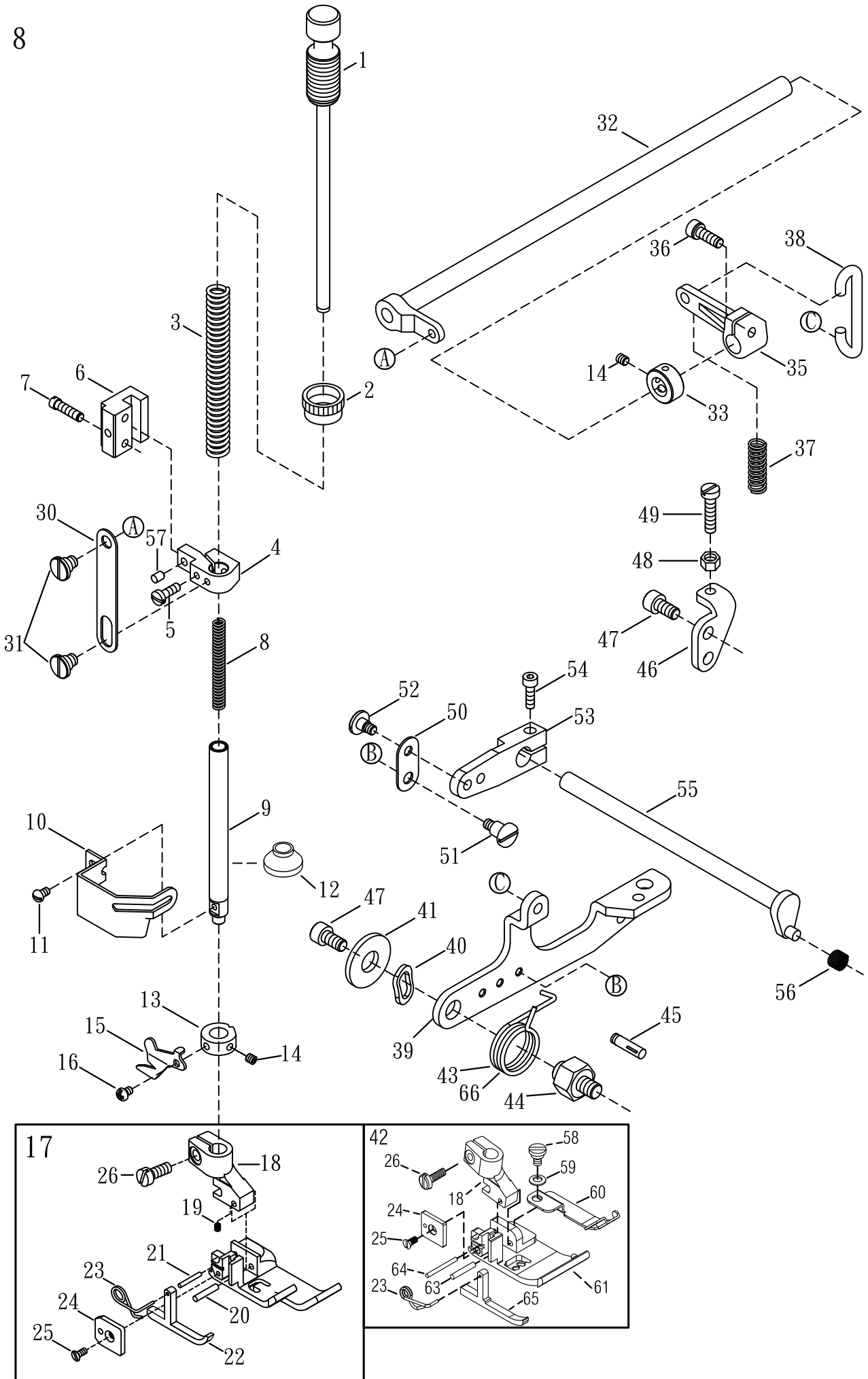
NEEDLE BAR, NEEDLE GUARD MECHANISM

針棒、頂針機構

7

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
36	S1236	Needle Guard (Rear)	頂針片(後)	1
37	SV242	Screw (M4 - 0.7 × 3)	螺絲	1
38				
	VG240-2	Needle Clamp (240)(Optional)	針鐮 (2 針 4.0mm)(選購)	
	VG248-2	Needle Clamp (248)(Optional)	針鐮 (2 針 4.8mm)(選購)	
	VG356-2	Needle Clamp (356)(Optional)	針鐮 (3 針 5.6mm)(選購)	
39	VG360	Needle Clamp (360)(Optional)	針鐮 (3 針 6.0mm)(選購)	1
	VG364-2	Needle Clamp (364)(Optional)	針鐮 (3 針 6.4mm)(選購)	
	VG460-1	Needle Clamp (460)(Optional)	針鐮 (4 針 6.0mm)(選購)	
	VG464-3	Needle Clamp (464)(Optional)	針鐮 (4 針 6.4mm)(選購)	
40	UY×128 # 11	Needle(240、248、356、364、464) (Optional)	車針	3
	MY1014B	Needle (452、460) (Optional)	車針(選購)	4
41	SF117	Screw (SM9/64 - 40 × 4)	螺絲	1
42	S1242-1	Needle Guard (Front)	頂針片(前)	1
43	VC34	Thread Retainer Disc Support	針線張力導板	1
44	VC35	Needle Thread Retainer Disc	針線張力調整組壓板(小)	1
45	VC36	Needle Thread Retainer Spring	針線張力彈簧	1
46	SV108-1	Screw (SM1/8 - 44)	螺絲	1
47	FC38	Top Cover Thread Eyelet	上飾線過線桿	1
48	SF106	Screw (SM1/8 - 44 × 2.8)	螺絲	4
49	N0729	Eyelet Spring	針鐮固定線	1
50	SF205	Screw (M2.6 - 0.45 × 5)	螺絲	1

※ Ref. No. 1 to 35See the preceding page.



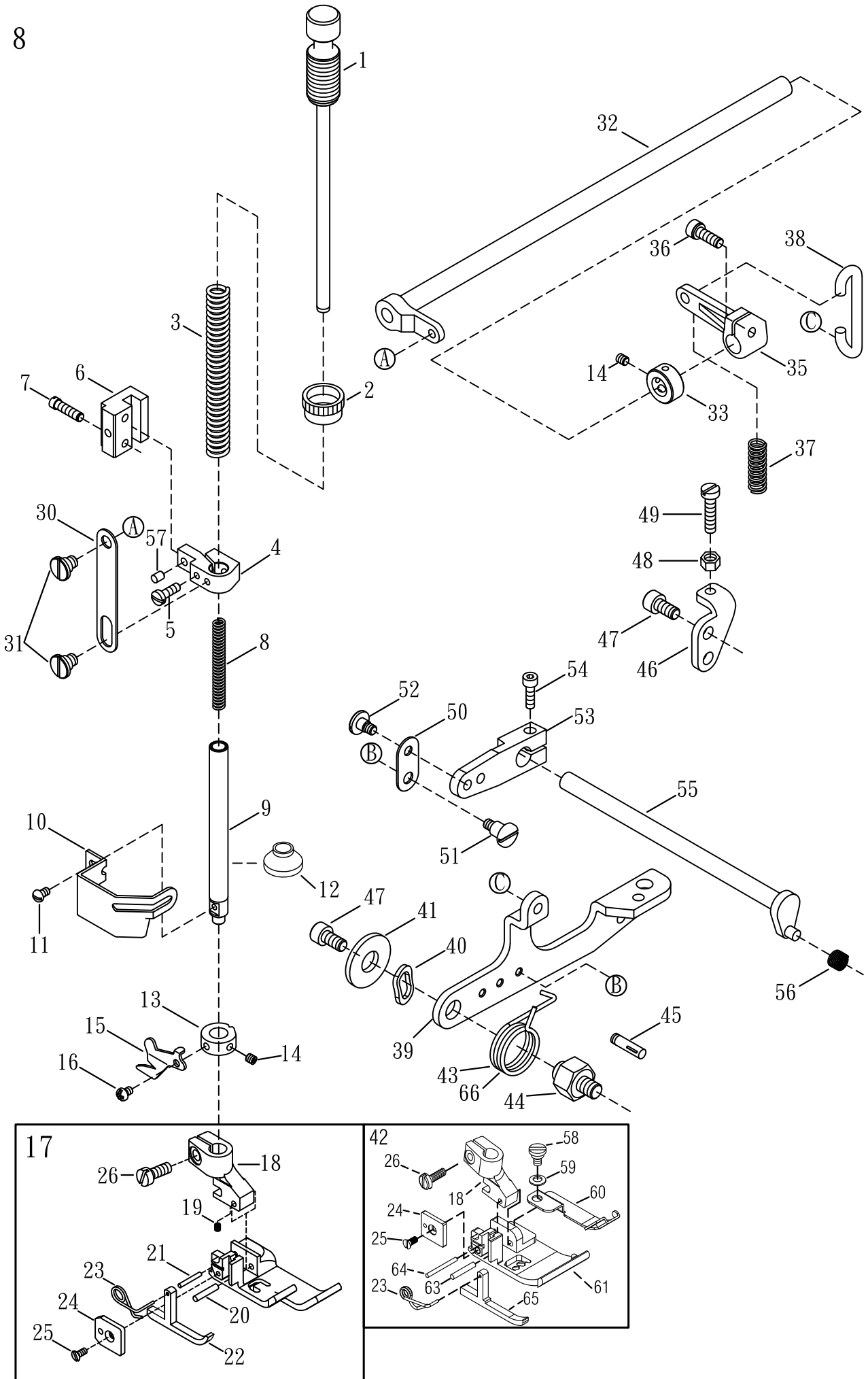
PRESSER FOOT MECHANISM

押腳機構

8

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	N0801	Presser Spring Regulator	壓力調節椿	1
2	VH03	Lock Nut	螺帽	1
3	N0803-1	Presser Bar Spring (Outer)	壓腳棒彈簧 (外)	1
4	N0804	Presser Bar Connecting Bracket	壓腳固定臂	1
5	SF124	Screw (SM11 / 64 - 40 × 10.5)	螺絲	1
6	VH07	Presser Bar Guide	固定臂導槽	1
7	MFP160	Screw (M4 - 0.7 × 16)	螺絲	2
8	N0808	Presser Bar Spring (Inner)	壓腳棒彈簧 (內)	1
9	N0809-1	Presser Bar	壓腳桿	1
10	GH47	Safety Spring	安全護線	1
11	SV215	Screw (M3 - 0.5 × 5)	螺絲	1
12	M0936	Oil Protector Ring	矽膠片	1
13	N0813	Collar (9 × 17 × 7mm)	限動環	1
14	SF228	Screw (M4 - 0.7 × 4)	螺絲	3
15	VH50	Thread Chain Cutting Knife	割線刀	1
16	SV214	Screw (M3 - 0.5 × 4)	螺絲	1
17	VH240N	Presser Foot(240)(Optional)	右邊加長壓腳(240)(選配)	1
	VH248N3	Presser Foot(248)(Optional)	右邊加長壓腳(248)(選配)	
	VH356N3	Presser Foot(356)(Optional)	右邊加長壓腳(356)(選配)	
	VH364N3	Presser Foot(364)(Optional)	右邊加長壓腳(364)(選配)	
	VH460N3	Presser Foot(460)(Optional)	右邊加長壓腳(460)(選配)	
	VH464N3	Presser Foot(464)(Optional)	右邊加長壓腳(464)(選配)	
18	VH57	Upper Presser Foot	壓腳頭	1
19	VH21	Spring	彈簧	1
20	VH20	Presser Foot Hinge Pin	壓腳結合插銷	1
21	PF10	Presser Foot Hinge Pin	壓腳結合插銷	1
22	VH53N3	Left Presser Foot	T形船導片	1
23	VH16N3-1	Presser Foot Spring	壓腳彈簧	1
24	VH59	Fixed Plate	方形固定片	1
25	SV103	Screw (SM3 / 32 - 56 × 5)	螺絲	1
26	SF116	Screw (SM9 / 64 - 40 × 8)	螺絲	1
30	N0830	Lifter Link	提升連桿	1
31	N0831	Screw (M5 - 0.8 × 3.5)	螺絲	2
32	N0832	Lifter Shaft	壓腳提升主軸	1
33	N0833	Collar (8 mm × 16 mm × 8 mm)	定位環	1
34				
35	N0835	Intermediate Lever	連接拉柄	1
36	SF231	Screw (M5 - 0.8 × 14)	螺絲	1
37	N0837	Spring	彈簧	1
38	N0838	Chain Link	連結勾	1
39	N0839	Lifter Lever	揚升臂	1
40	N0840	Wave Washer	波形彈簧墊片	1

* Ref. No. 41 to 66See the following page



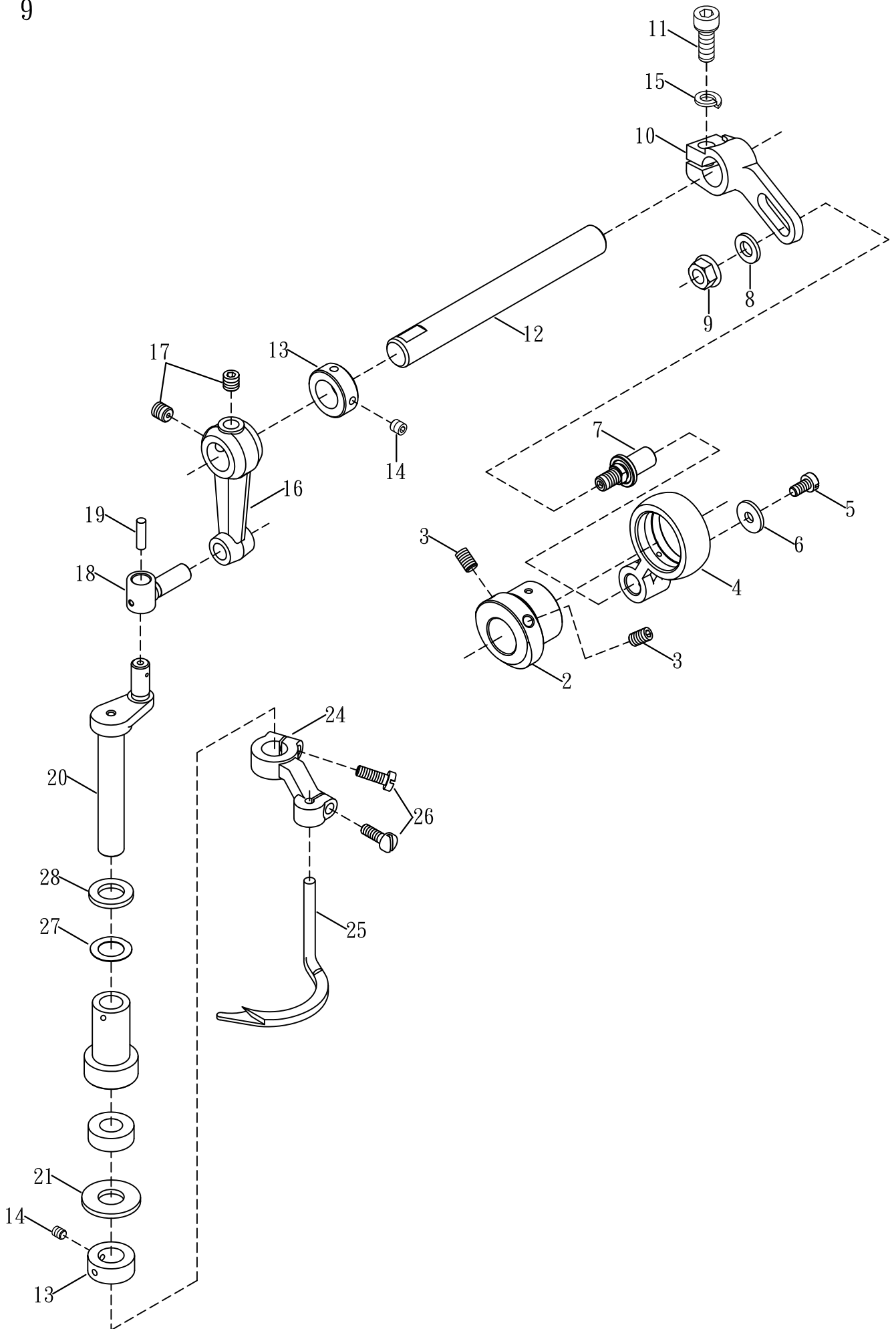
PRESSER FOOT MECHANISM

押腳機構

8

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
41	WF07	Washer	墊片	1
	VH240NA	Presser Foot(240)	壓腳組(240)(選配)	
	VH248NA	Presser Foot(248)	壓腳組(248)(選配)	
42	VH356NA	Presser Foot(356)	壓腳組(356)(標配)	1
	VH364NA	Presser Foot(364)	壓腳組(364)(選配)	
	VH460NA	Presser Foot(460)	壓腳組(460)(選配)	
	VH464NA	Presser Foot(464)	壓腳組(464)(選配)	
43	N0843	Lifter Spring	提升扭簧	1
44	N0844	Lifter Lever Holder	揚升臂螺樁	1
45	H1332-1	Pin	固定銷	1
46	N0846	Bracket	固定片	1
47	GL16	Screw (M6 - 1 × 12)	螺絲	3
48	NV12	Nut	螺帽	1
49	N0849	Screw (M5 - 0.8 × 18)	螺絲	1
50	N0850	Connecting Plate (Optional)	連結器 (普通用 選配)	1
51	N0851	Screw (M4 - 0.7 × 5)	螺絲	1
52	N0852	Screw (M4 - 0.7 × 4) (Optional)	螺絲 (普通用 選配)	1
53	N0853	Tension Release Lever (Optional)	拉力釋放槓桿 (普通用 選配)	1
54	SV223	Screw (M4 - 0.7 × 14)	螺絲	1
55	N0855-1	Tension Release Shaft (Optional)	拉力釋放曲軸 (普通用 選配)	1
56	VH49	Vibration Absorb Spring (Optional)	防震彈簧 (普通用 選配)	1
57	N0804-1	Fastener Pin	押腳固定銷	1
58	SAB035	Screw (SM 3/32-56 × 3.5)	螺絲	1
59	VH73	Washer	墊片	1
60	VH69N	Extension Plate	加寬導板	1
	VH240N1	Lower Presser Foot	壓腳底(240)	
	VH248N1	Lower Presser Foot	壓腳底(248)	
61	VH356N1-2	Lower Presser Foot	壓腳底(356)	1
	VH364N1	Lower Presser Foot	壓腳底(364)	
	VH460N1	Lower Presser Foot	壓腳底(460)	
	VH464N1	Lower Presser Foot	壓腳底(464)	
62				
63	VH06	Presser Foot Hinge Pin	壓腳結合插銷	1
64	VH08	Presser Foot Hinge Pin	壓腳結合插銷	1
65	VH53N1-2	Left Presser Foot	T形船導片	1
66	N0842	Lifter Spring	提升扭簧(電磁式 選配)	1

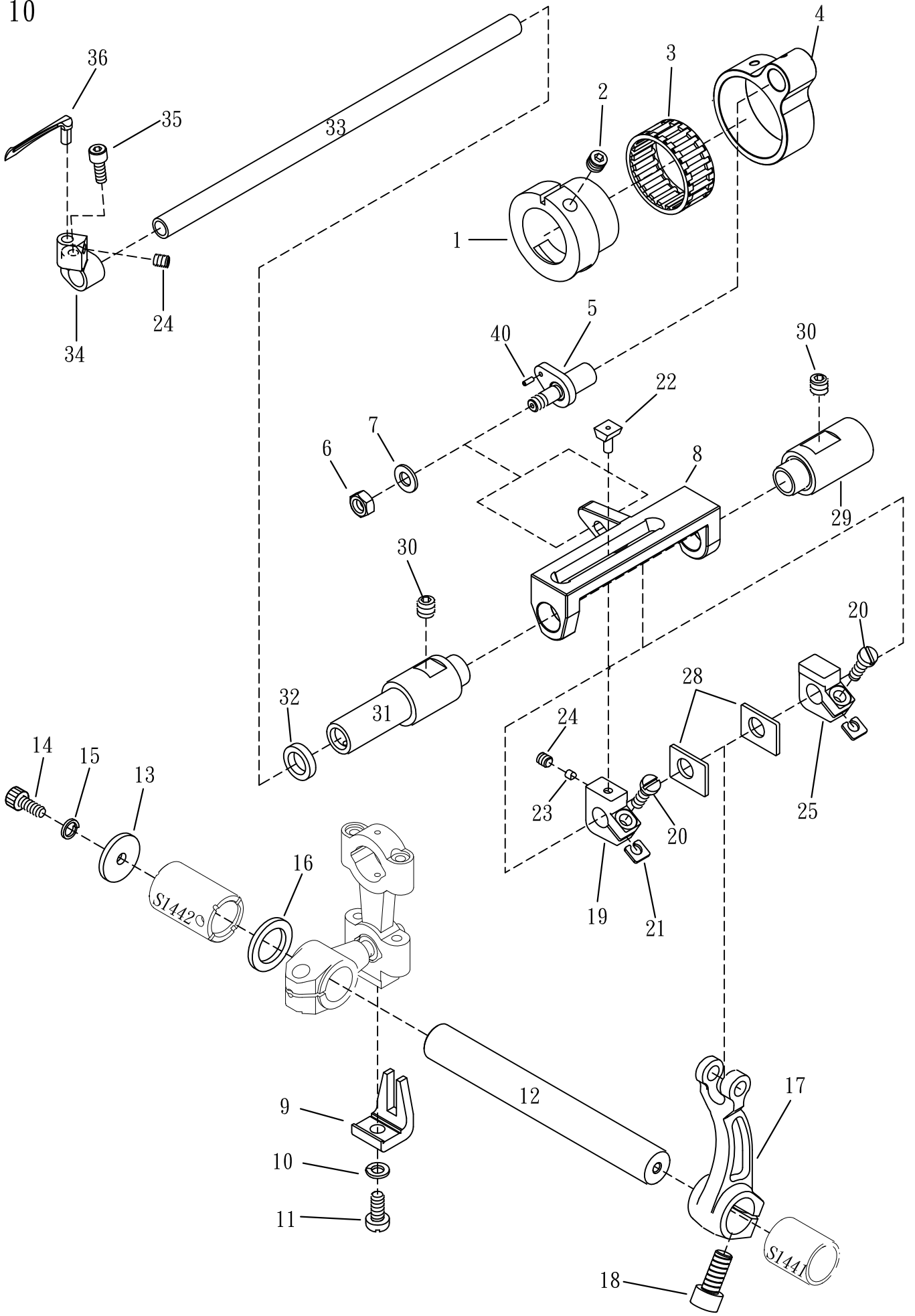
* Ref. No. 1 to 40See the preceding page.



SPREADER DRIVING MECHANISM**上飾線驅動機構****9**

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt.</u> <u>Req.</u>
1				
2	N0902	Eccentric	偏心輪	1
3	SV250	Screw (M5 - 0.8 × 5)	螺絲	2
4	N0904	Connecting Rod	培林殼連桿	1
5	SV221	Screw (M4 - 0.7 × 8)	螺絲	1
6	VI08	Washer	墊片	1
7	VI09	Adjusting Lever Pin	可調式插銷	1
8	WF06	Washer	墊片	1
9	NF31	Nut	螺帽	1
10	N0910	Adjusting Lever	可調式接柄	1
11	SV268	Screw (M6 - 1.0 × 16)	螺絲	1
12	N0912-1	Driving Shaft	主動軸	1
13	VI22	Collar	軸環	2
14	SF228	Screw (M4 - 0.7 × 4)	螺絲	4
15	15-39	Spring Washer	彈簧墊片	1
16	VI17	Rocking Arm	搖臂	1
17	SF240	Screw (M6 - 1.0 × 6)	螺絲	2
18	VI19	Rocking Pin	延展臂	1
19	N0919	Oil Wick	油蕊	1
20	VI20-1	Spreader Bar	上叉棒	1
21	VI21	Bushing Ring	襯片	1
22				
23				
24	VI24	Spreader Holder	裝飾線擺動臂	1
25	S0925	Spreader	裝飾線結線勾	1
26	SV222	Screw (M4 - 0.7 × 12)	螺絲	2
27	N0927	Thrust Sheet	止油紙墊片	1
28	N0928	Thrust Sheet	墊片	1

10



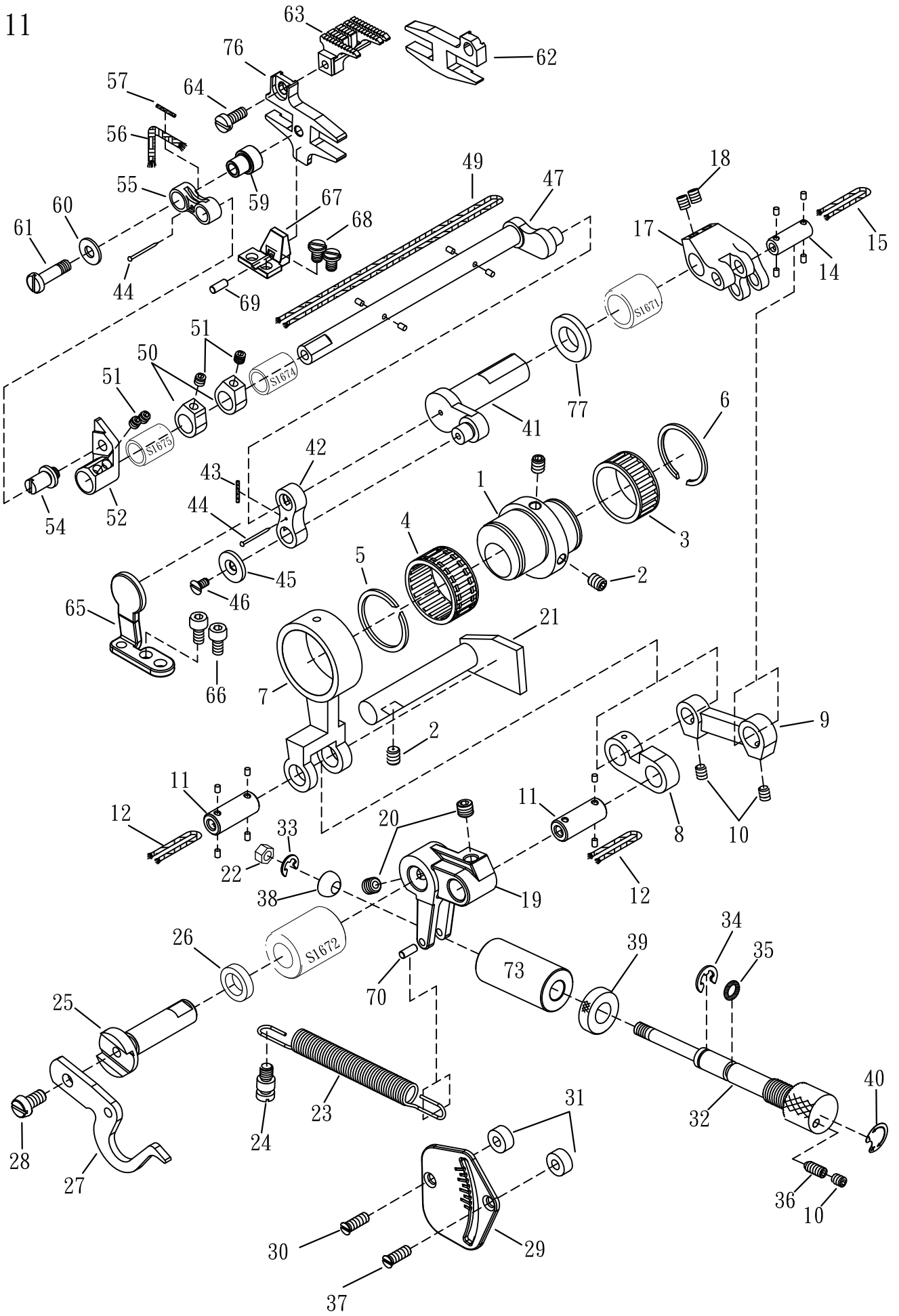
原14

LOOPER DRIVING MECHANISM

下勾針驅動機構

10
Amt.
Req.

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零 件 名 稱</u>	<u>Amt.</u> <u>Req.</u>
1	S1401	Looper Rocker Regulating Eccentric	下勾針搖臂可調偏心輪	1
2	S0810	Screw (M5 - 0.8 × 5)	螺絲	1
3	VJ32	Roller Bearing	滾針軸承	1
4	S1404	Looper Rocker Connecting Rod	下勾針培林殼連桿	1
5	S1405	Looper Rocker Adjusting Pin	下勾針搖臂調整銷	1
6	NV12	Nut	螺帽	1
7	VK48	Washer	墊片	1
8	S1408-1	Looper Bar Guide	下勾針驅動軸導槽	1
9	S1409-1	Guide Fork	定位叉	1
10	SW4.5	Washer	墊片	1
11	S1411	Screw (SM11/64 - 40 × 10)	螺絲	1
12	S1412	Looper Driving Shaft	下勾針主軸	1
13	S1413	Washer	墊片	1
14	SF225	Screw (M4 - 0.7 × 10)	螺絲	1
15	SW03	Washer	彈簧華司	1
16	S1416	Driving Washer	推力墊圈	1
17	S1417	Looper Rocker Arm	下勾針搖臂	1
18	M0612	Screw (M6 - 0.75 × 14)	螺絲(細牙)	1
19	S1419-1	Slider Holder (Left)	滑塊固定座(左)	1
20	SV222	Screw (M4 - 0.7 × 12)	螺絲	2
21	S1421	Washer	方型墊片	2
22	S1422	Slider	滑塊	1
23	S1423	Slider Presser	滑塊定位壓塊	1
24	SF228	Screw (M4 - 0.7 × 4)	螺絲	2
25	S1425-1	Slide Holder (Right)	定位塊(右)	1
26				
27				
28	S1428	Silder Presser	止推墊片	2
29	S1429	Looper Bar Guide Shaft (Right)	下勾針驅動軸襯套(右)	1
30	SV264	Screw (M6 - 1.0 × 8)	螺絲	2
31	S1431	Looper Bar Guide Shaft (Left)	下勾針驅動軸襯套(左)	1
32	J1634	Rubber Cushion(ϕ 13.5 × ϕ 9.8 × ϕ 1.85)	耐油橡膠	1
33	S1433-1	Looper Bar	驅動軸	1
34	S1434	Looper Holder	結線勾座	1
35	Q0835	Screw (M3.5 - 0.6 × 8)	螺絲	1
36	S1436	Looper	下勾針	1
37				
38				
39				
40	VJ27	Pin	空心門	1



FEED DRIVING MECHANISM

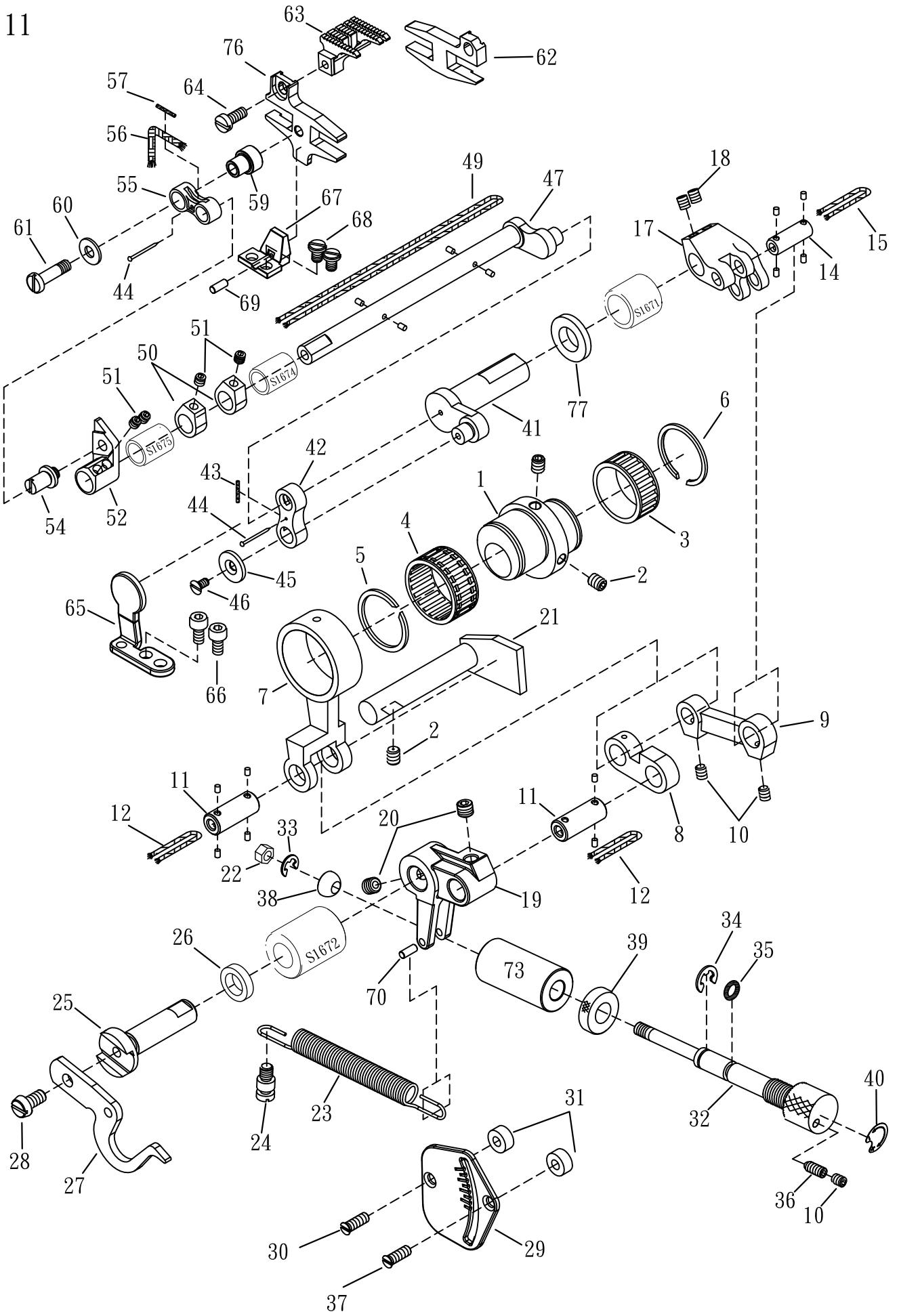
送料具驅動調整機構

11

**Amt .
Req .**

<u>Ref. No.</u>	<u>Parts No.</u>	<u>Description</u>	<u>零件名稱</u>	
1	S1601-2	Feed Eccentric	送料具偏心輪	1
2	L1036	Screw (M5 - 0.8 × 6)	螺絲	3
3	M1103	Needle Bearing	滾針培林	1
4	M1204	Needle Bearing	滾針培林	1
5	S1605	Retaining Ring	扣環	1
6	S1606	Retaining Ring	扣環	1
7	S1607-1	Feed Connecting Rod	送料具連桿	1
8	S1608	Lever Link (Short)	提環桿(短)	1
9	S1609	Lever Link (Long)	提環桿(長)	1
10	SV227	Screw (M4 - 0.7 × 5)	螺絲	3
11	S1611	Connecting Rod Pin	連桿軸	2
12	S1612	Oil Wick	油蕊	1
13				
14	S1614	Connecting Rod Pin	連桿軸	1
15	S1615	Oil Wick	油蕊	1
16				
17	S1617	Feed Bar Driving Shaft Levre	送料軸腕	1
18	S1618	Screw (M6 - 0.75 × 6)	螺絲	2
19	S1619-1	Main Feed Bar Bracket	送料組連接座	1
20	S0810	Screw (M6 - 0.75 × 5)	螺絲	2
21	S1621	Connecting Rod Guide	連桿導軸	1
22	NV12	Nut	螺帽	
23	S1623-1	Control Bracket Spring	拉簧	1
24	S1624	Screw (M5 - 0.5)	螺絲	1
25	S1625	Control Lever Shaft	微調連桿	1
26	VK28	Oil Seal	油封	1
27	S1627-1	Differential Feed Control Lever	差動控制桿	1
28	L0434	Screw (M5 - 0.8 × 9.5)	螺絲	1
29	S1629	Stitch Length Indictors	針距尺寸刻度板	1
30	S1630	Screw (M4 - 0.7 × 11.5)	螺絲	1
31	S1631	Spacer	襯墊	2
32	S1632-1	Adjusting Screw	微調螺桿	1
33	16-28	Retaining Ring	扣環 ETW-4	1
34	H1318	Retaining Ring	扣環 ETW-5	1
35	RF21	O Ring	O型油環	1
36	S1636	Screw (M4 - 0.7 × 10)	螺絲 (圓球頭)	1
37	S1637	Screw (M4 - 0.7 × 10)	螺絲	1
38	S1638	Liner	R塊	1
39	S1639	Nut	螺帽	1
40	S1640	Sticker	貼紙(+ -)	1

* Ref. No. 41 to 77See the following page



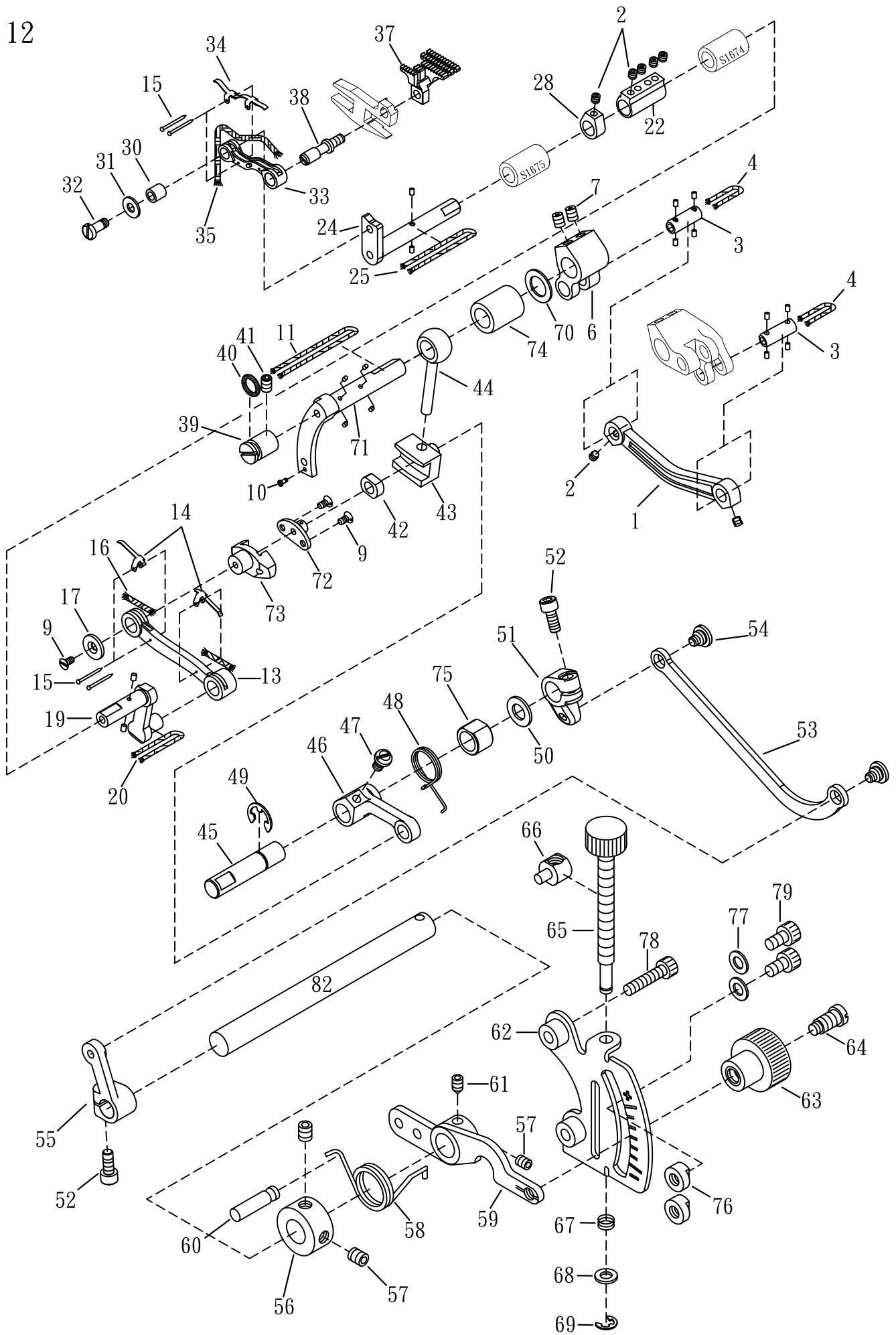
FEED DRIVING MECHANISM

送料具驅動調整機構

11
Amt.
Req.

Ref. No.	Parts No.	Description	零件名稱	
41	S1641	Feed Rocker Shaft (Left)	搖臂主軸 (左)	1
42	S1642	Lever Link	提環桿	1
43	S1643	Felt	羊毛氈	1
44	S1644	Pin	大頭釘	2
45	S1645	Washer	墊片	1
46	SV211	Screw (M3 - 0.5 × 5.5)	螺絲	1
47	S1647	Feed Rocker Shaft (Right)	搖臂主軸 (右)	1
48				
49	S1649	Oil Wick	油蕊	1
50	S1650	Collar	軸環	2
51	SF228	Screw (M4 - 0.7 × 4)	螺絲	4
52	S1652	Main Feed Lever	主送料具搖臂	1
53				
54	S1654	Connecting Rod Pin	連桿插銷	1
55	S1655	Main Feed Bar Connecting	主送料具驅動連杆	1
56	S1656	Oil Wick	油蕊	1
57	S1657	Felt	羊毛氈	1
58				
59	S1659-1	Adapter	軸套管	1
60	S1660	Washer	墊片	1
61	S1661	Stud (M4.5 - 0.5 × 5.5)	螺樁	1
62	S1662-2	Differential Feed Bar	差動送料具驅動座	1
63	S1663	Main Feed Dog	九齒(主齒)	1
64	S1664	Screw (M4 - 0.7 × 10)	螺絲	1
65	S1665	Guide	導正塊	1
66	SF224	Screw (M4 - 0.7 × 8)	螺絲	2
67	S1667	Guide Block	送料具導正塊	1
68	S1668	Screw (M4 - 0.7 × 6)	螺絲	2
69	S1669	Pin	空心門	1
70	S1670	Pin	空心門	1
73	S1673	Bushing	襯套	1
76	S1676-2	Main Feed Bar	主送料具座	1
77	S1677	Washer	墊片	1

※ Ref. No. 1 to 40See the preceding page.



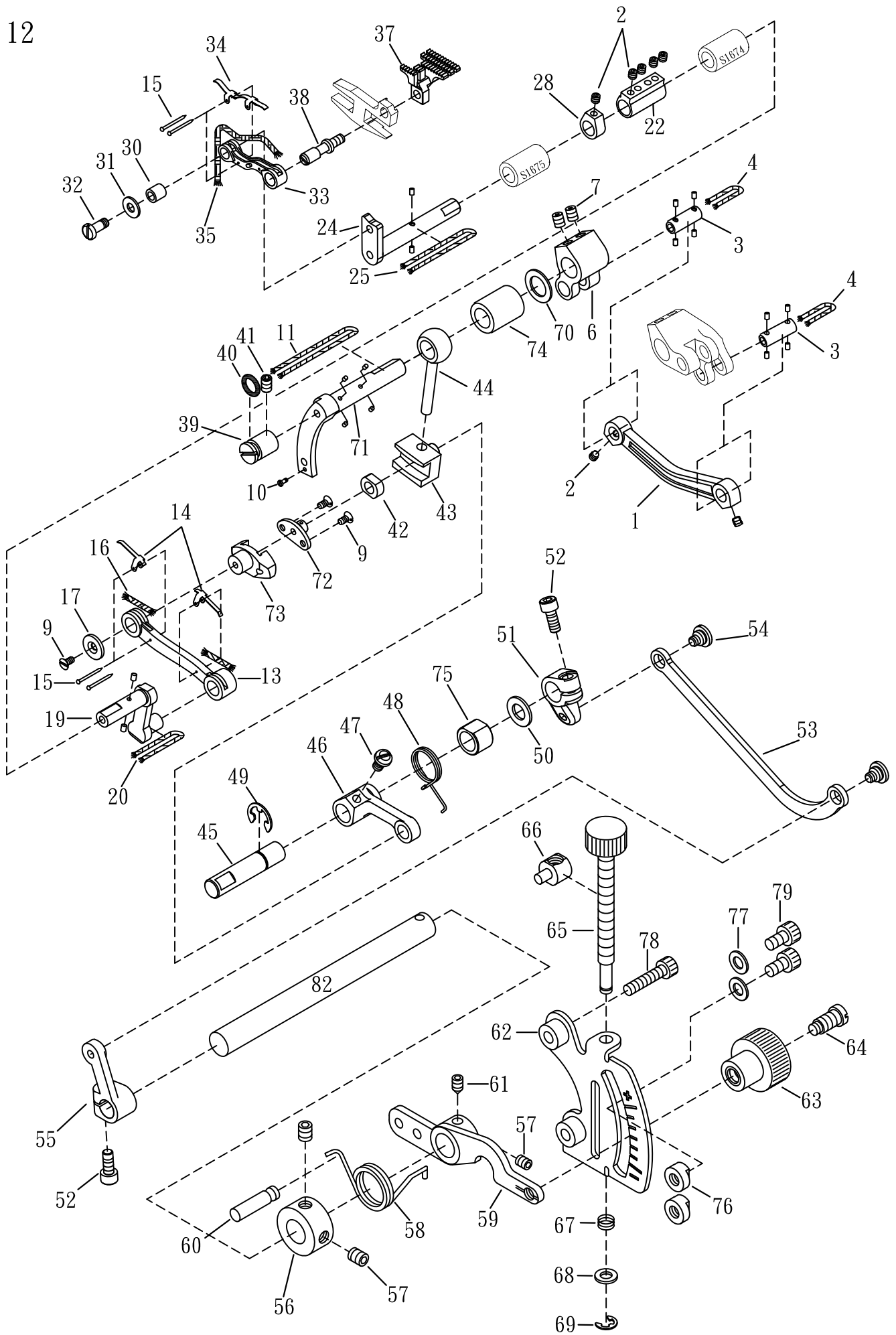
DIFFERENTIAL FEED RATIO DEVICE

差動驅動調整機構

12
Amt.
Req.

Ref. No.	Parts No.	Description	零件名稱	
1	S1801	Connecting Rod	連桿	1
2	SF228	Screw (M4 - 0.7 × 4)	螺絲	7
3	S1803	Connecting Rod Pin	連桿軸	2
4	S1804	Oil Wick	油蕊	2
5				
6	S1806-1	Shaft Levre	軸腕	1
7	S1618	Screw (M6 - 0.75 × 6)	螺絲	2
8				
9	SV211	Screw (M3 - 0.5 × 6)	螺絲	3
10	S1810	Screw (M2.5 - 0.45 × 4)	螺絲	1
11	S1811	Oil Wick	油蕊	1
12				
13	S1813	Differential Feed Driving Connection(Long	差動驅動連杆(長)	1
14	S1814	Wick Clamp	夾片	2
15	S1815	Pin	大頭釘	4
16	S1816	Oil Wick	油蕊	2
17	S1645	Washer	墊片	1
18				
19	S1819	Crankshaft	曲軸	1
20	S1820	Oil Wick	油蕊	1
21				
22	S1822	Connecting Bushing	連接軸套	1
23				
24	S1824	Differential Feed Rocker	差動臂	1
25	S1825	Oil Wick	油蕊	1
26				
27				
28	S1650	Collar	軸環	1
29				
30	S1830	Adapter	軸套管	1
31	S1660	Washer	墊片	1
32	S1832	Stud (M4.5 - 0.5 × 3.6)	螺樁	1
33	S1833	Differential Feed Driving Connection(Short	差動驅動連杆(短)	1
34	S1834	Wick Clamp	夾片	1
35	S1835	Oil Wick	油蕊	1
36				
37	S1837-1	Differential Feed Dog	差動齒	1
38	S1838-1	Differential Feed Dog Pin	差動齒插銷	1
39	S1839	Shaft	心軸	1
40	S1840	O Ring	O型油環	1

* Ref. No. 41 to 82See the following page



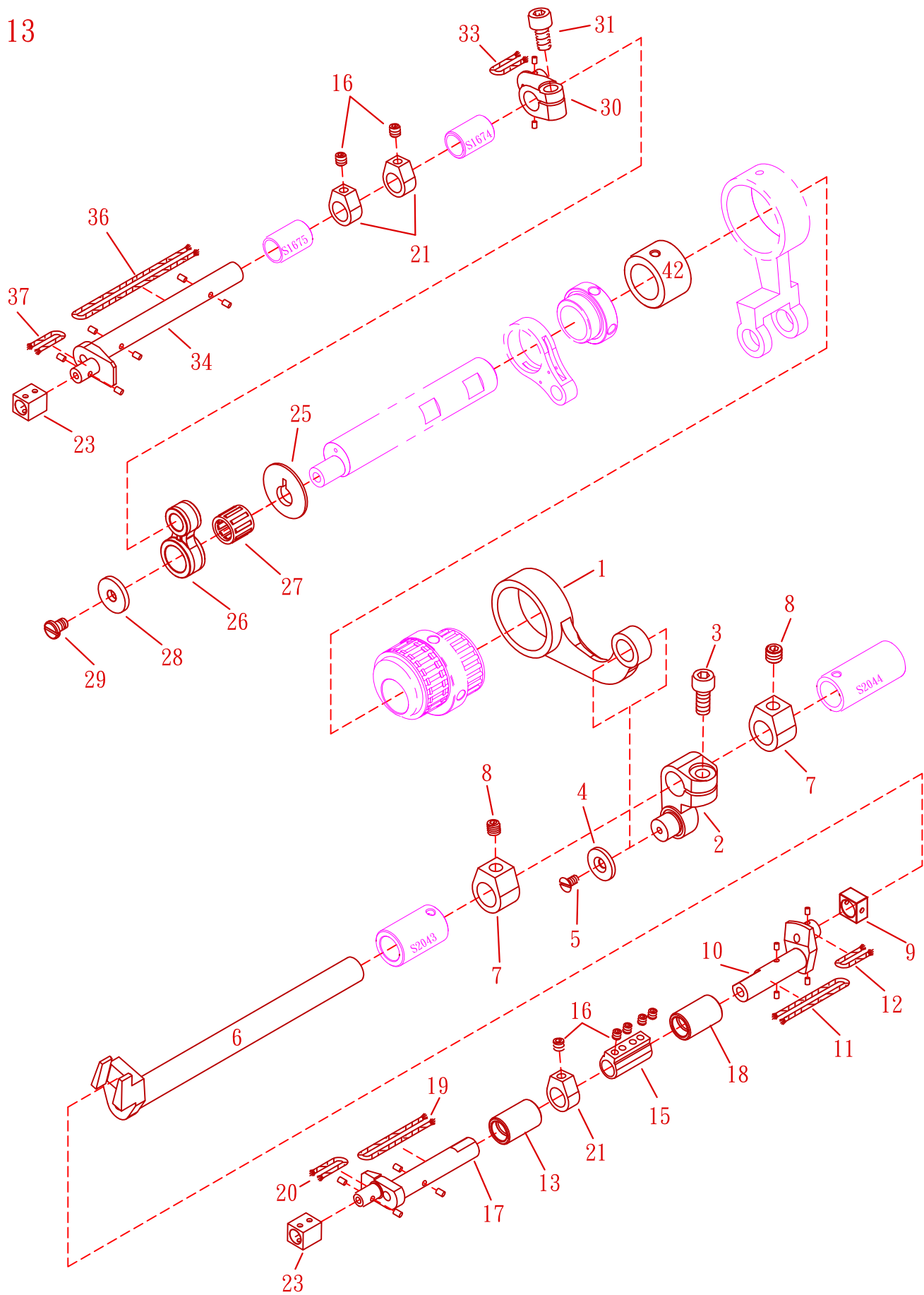
DIFFERENTIAL FEED RATIO DEVICE

差動驅動調整機構

12
Amt.
Req.

Ref. No.	Parts No.	Description	零件名稱	
41	GL12	Screw (M5 - 0.8 × 8)	螺絲	1
42	S1842	Slider	滑塊	1
43	S1843	Bar Guide	導槽	1
44	S1844	Slider Guide	滑塊軸	1
45	S1845	Connecting Rod Pin	連桿軸	1
46	S1846	Rocker Arm	搖臂	1
47	MHE080	Screw (M5 - 0.8 × 8)	螺絲	1
48	S1848	Spring	扭簧	1
49	H1132	Retaining Ring	扣環 ETW-8	1
50	S1850	Washer	墊片	1
51	S1851	Rocker Arm	搖臂 (15.5mm)	1
52	SF230	Screw (M5 - 0.8 × 12)	螺絲	2
53	S1853	Connecting Rod	連桿	1
54	S1854	Stud (M5 - 0.8 × 4)	螺樁	2
55	S1855	Differential Feed Link Lever	差動連動臂	1
56	H1331-1	Collar	軸環	1
57	MHQ030	Screw (M5 - 0.8 × 3)	螺絲	3
58	H1333-1	Spring	扭簧	1
59	H1334	Differential Feed Control Lever	差動控制桿	1
60				
61	MHR050	Screw (M5 - 0.8 × 5)	螺絲(尖)	1
62	N1138	Differential Feed Indictors	差動刻度板	1
63	H1343	Adjusting Nut	調整螺帽	1
64	SV267	Screw (M6-1 , M4.5-0.5)	螺絲	1
65	H1337	Differential Feed Adjusting Screw	差動調整螺桿	1
66	H1338	Differential Feed Nut	差動螺帽	1
67	H1339	Spring	彈簧	1
68	WF04	Washer	墊片	1
69	H1341	Retaining Ring	扣環 ETW-2.5	1
70	S1870	Washer	墊片	1
71	S1871-1	Differential Feed Rocker	差動弧臂	1
72	S1872	Stop Unit	差動調整滑塊蓋銷	1
73	S1873	Differential Feed Adjusting Block	差動調整滑塊	1
74	S1874	Differential Feed Rocker Bushing	差動弧臂襯套	1
75	S1875	Differential Feed Link Lever Bushing	差動連桿襯套	1
76	VK42	Differential Feed Lever Stop	差動臂止塊	2
77	VK48	Washer	墊片	2
78	SV251	Screw (M5 - 0.8 × 8)	螺絲	2
79	MFP160	Screw (M4 - 0.7 × 16)	螺絲	2
80				
81				
82	S1882	Differential Feed Shaft	差動軸	1

※ Ref. No. 1 to 40See the preceding page.

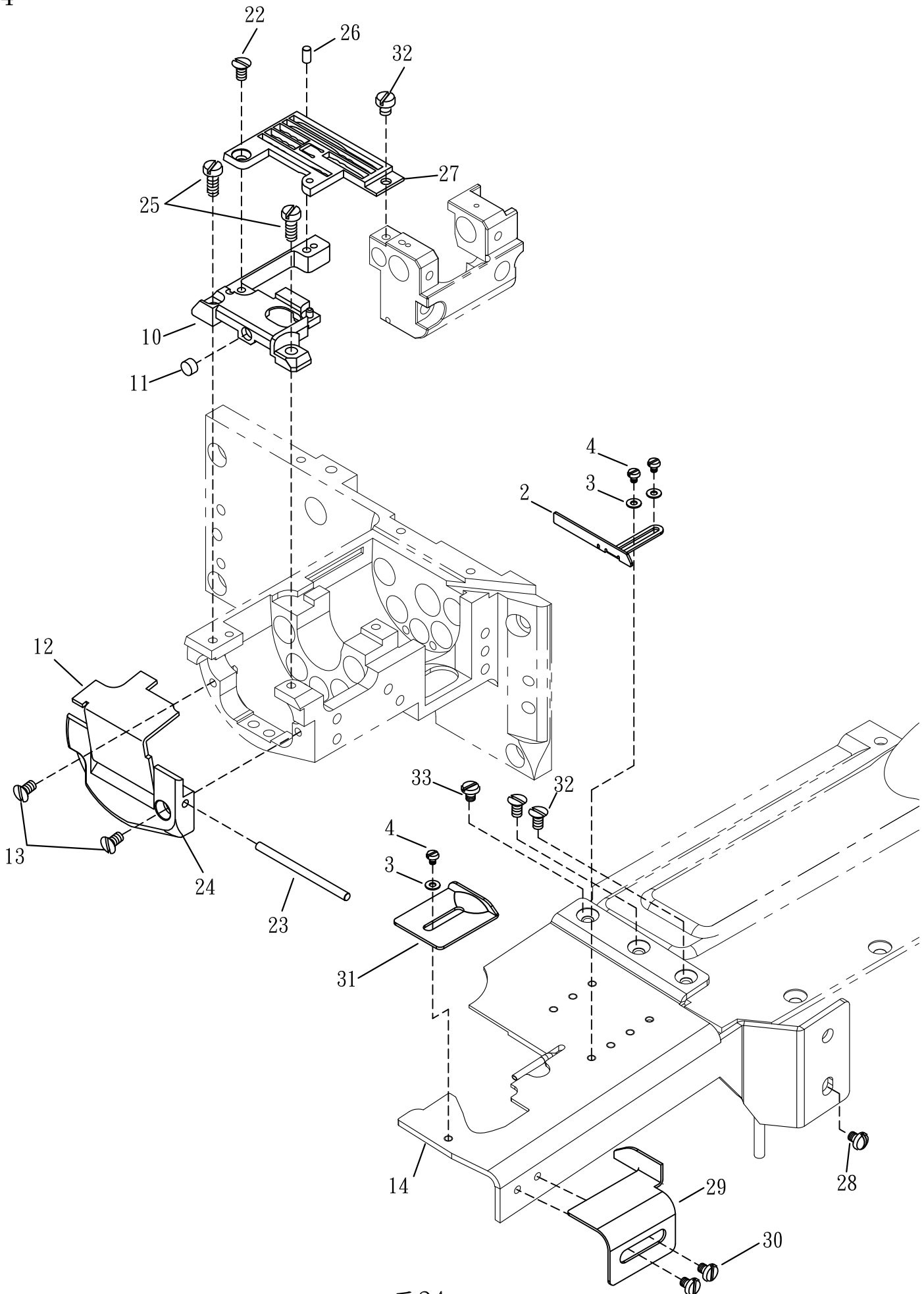


FEED DRIVING MECHANISM

送料具驅動機構

13

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	S2001-1	Feed Lift Connecting Rod	培林連桿	1
2	S2002	Feed Lift Lever	送料具提升桿	1
3	SF230	Screw (M5 - 0.8 × 12)	螺絲	1
4	S1645	Washer	墊片	1
5	SV211	Screw (M3 - 0.5 × 5.5)	螺絲	1
6	S2006	Lever Shaft	傳動軸	1
7	S1858	Collar	軸環	2
8	S0810	Screw (M6 - 0.75 × 5)	螺絲(細牙)	2
9	S2009-2	Lift Shaft Slider	提升軸滑塊	1
10	S2010	Feed Lift Shaft(Right)	提升主軸(右)	1
11	S2011	Oil Wick	油蕊	1
12	S2012	Oil Wick	油蕊	1
13	S1675	Differential Feed Bar Shaft Bushing (Left)	傳動軸套管 (左)	1
14				
15	S1822	Connecting Bushing	連接軸套	1
16	SF228	Screw (M4 - 0.7 × 4)	螺絲	7
17	S2017	Feed Lift Shaft(Left)	提升主軸(左)	1
18	S1718	Differential Feed Bar Shaft Bushing (Right)	傳動軸套管 (右)	1
19	S2019	Oil Wick	油蕊	1
20	S2020	Oil Wick	油蕊	1
21	S1650	Collar	軸環	3
22				
23	S2023	Feed Lift Slide Block	送料具滑塊	2
24				
25	S2025-1	Eccentric Guard	偏心蓋	1
26	S2026	Connecting Rod	連桿	1
27	S2027	Roller Bearing	滾針培林	1
28	S2028-1	Washer	墊片	1
29	S1668	Screw (M4 - 0.7 × 6)	螺絲	1
30	S2030	Rocking Arm	搖臂	1
31	SV252	Screw (M5 - 0.8 × 10)	螺絲	1
32				
33	S2033	Oil Wick	油蕊	1
34	S2034	Feed Lift Shaft	提升主軸	1
35				
36	S2036	Oil Wick	油蕊	1
37	S2037	Oil Wick	油蕊	1
40				
41				
42	S2042	Lower Shaft Bushing	下傳動軸套管	1
45				



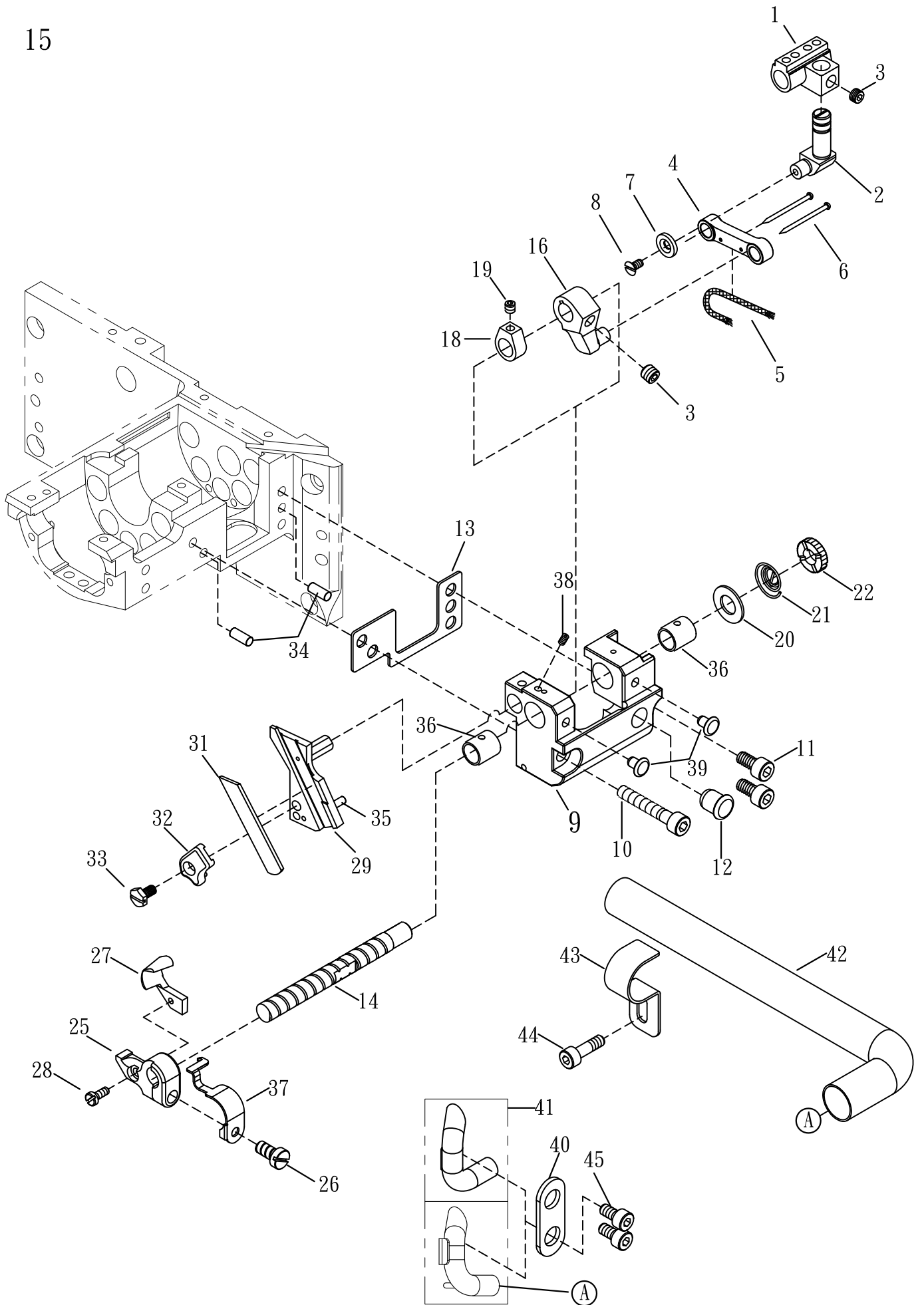
原24

FABRIC EDGE GUIDE&COVER

側蓋&檔邊組

14
Amt .
Req .

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零 件 名 稱</u>	
1				
2	S2402-1	Width Adjusting	可調式擋邊	1
3	S2403	Washer	墊片	3
4	SV206	Screw (M2.5 - 0.45 × 3.5)	螺絲	3
10	S2410-3	Stitch Plate Support	針板支架	1
11	24-02	Built-in Megnatic	厚3 × Ø 5 磁鐵	1
12	S2412	Cylinder Side Cover (Upper)	圓筒上側蓋	1
13	S0603	Screw (M4 - 0.7 × 8)	螺絲	2
14	S2414-2	Front Cover (Lower)	前蓋底座	1
15				
16				
17				
18				
19				
20				
21				
22	S2422	Screw (SM9/64 - 40 × 7)	螺絲	1
23	S2423	Side Cover Hinge Pin	樞鈕插銷	1
24	S2424	Cylinder Side Cover Hinge	圓筒側蓋樞鈕	1
25	GB37	Screw (M4 - 0.7 × 8)	螺絲	2
26	S2426	Knock Pin	定位銷	1
	S2427-2402	Stitch Plate (240)	針板(2 針 4.0)	
	S2427-2482	Stitch Plate (248)	針板(2 針 4.8)	
	S2427-3562	Stitch Plate (356)	針板(3 針 5.6)	
27	S2427-3602	Stitch Plate (360)	針板(3 針 6.0)	1
	S2427-3642	Stitch Plate (364)	針板(3 針 6.4)	
	S2427-4602	Stitch Plate (460)	針板(4 針 6.0)	
	S2427-4642	Stitch Plate (464)	針板(4 針 6.4)	
28	SV232	Screw (M4 - 0.7 × 10)	螺絲	1
29	S2429-2	Width	導板(前)	1
30	17-63	Screw (M3 - 0.5 × 3)	螺絲	2
31	S2431-2	Width	導板(後)	1
32	SCB045	Screw (SM9/64 - 40 × 4.5)	螺絲	1
33	17-63	Screw (M3 - 0.5 × 3)	螺絲	1



原26

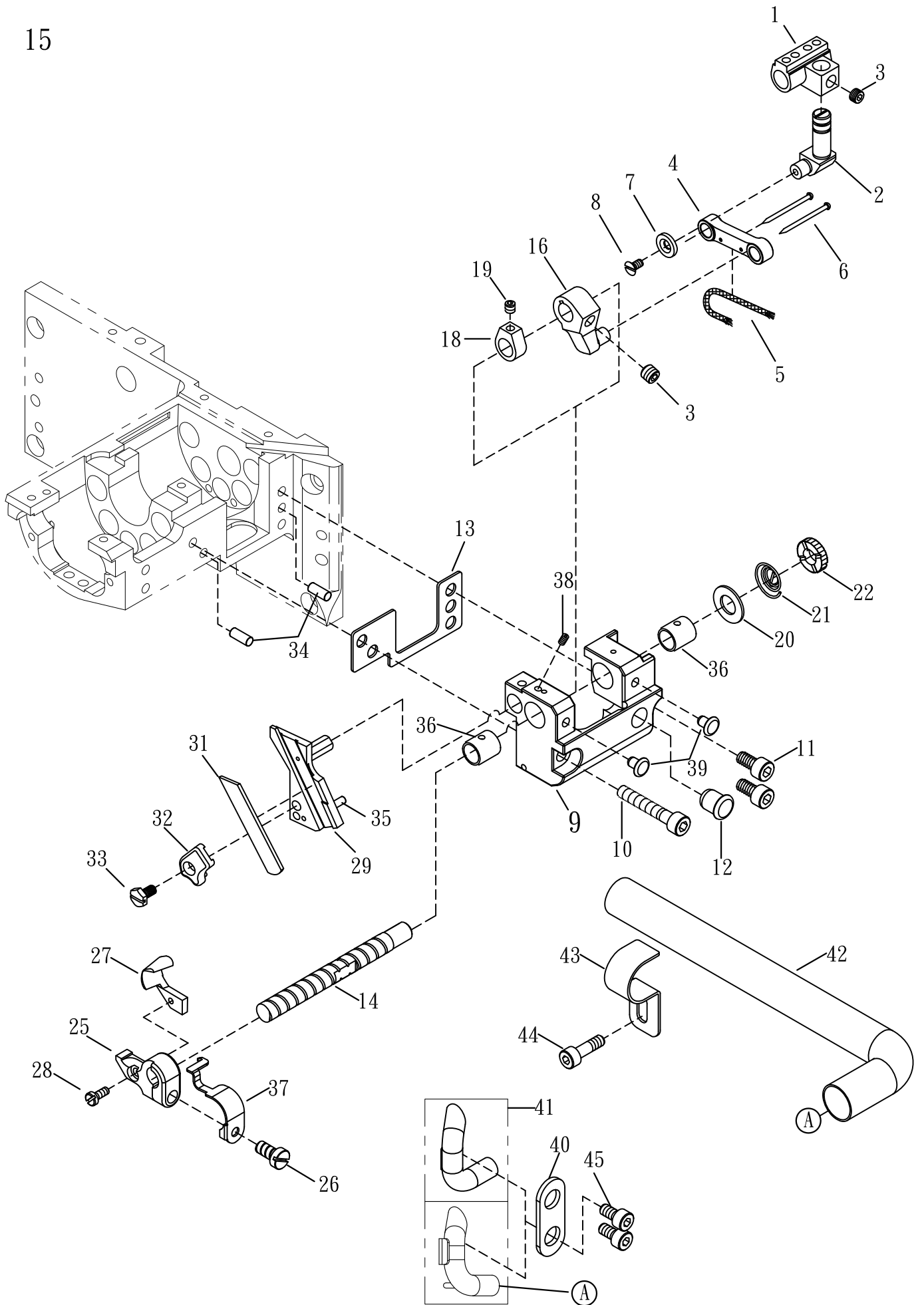
LEFT-HAND KNIFE DEVICE

左修刀驅動機構

15
Amt.
Req.

Ref. No.	Parts No.	Description	零件名稱	
1	S2601	Connecting Bushing	連接軸套	1
2	S2602	Connecting Rod	連桿	1
3	S0810	Screw (M6 - 0.75 × 5)	螺絲	2
4	S2604	Connecting Rod	連桿	1
5	S2605	Oil Wick	油蕊	1
6	S2606	Pin	大頭釘	2
7	S2607	Washer	墊片	1
8	SV211-1	Screw (M3 - 0.5 × 5.5)	螺絲	1
9	S2609-3	Knife Base	刀架固定座	1
10	S2610	Screw (M5 - 0.8 × 25)	螺絲	1
11	SV252-1	Screw (M5 - 0.8 × 10)	螺絲	2
12	S2612	Seal Plug	膠塞	1
13	S2613	Knife Base Gasket	固定座墊片	1
14	S2614-1	Feed Shaft Level	刀嘴方位調整軸	1
15				
16	S2616	Rocker Arm	搖臂	1
17				
18	S1650	Collar	軸環	1
19	SF228	Screw (M4 - 0.7 × 4)	螺絲	1
20	S2620	Washer	墊片	1
21	S2621	Spring	壓簧	1
22	S2622	Nut	螺母	1
23				
24				
25	S2625-1	Upper Knife Holder	活動刀座	1
26	SV222	Screw (M4 - 0.7 × 12)	螺絲	1
27	S2627-1	Upper Knife	彎切刀(活動刀)	1
28	MDA060	Screw (M3 - 0.5 × 6.0)	螺絲	1
29	S1529-1	Lower Knife Holder	下切刀座	1
30				
31	S2631-2	Lower Knife	下切刀	1
32	S2632-1	Lower Knife Clamp	壓板	1
33	L0707	Screw (M4 - 0.7 × 8)	螺絲	1
34	S2634	Knock Pin	定位銷	2
35	S1935-1	Knock Pin	定位銷	1
36	S2636	Bushing	襯套	2
37	S2637-5	Guard	護指環	1
38	SV227	Screw (M4 - 0.7 × 5)	螺絲	1
39	S2639	Head Cover Seal Plug	膠塞	2
40	S1540	Washer	墊片	1

* Ref. No. 41 to 45See the following page

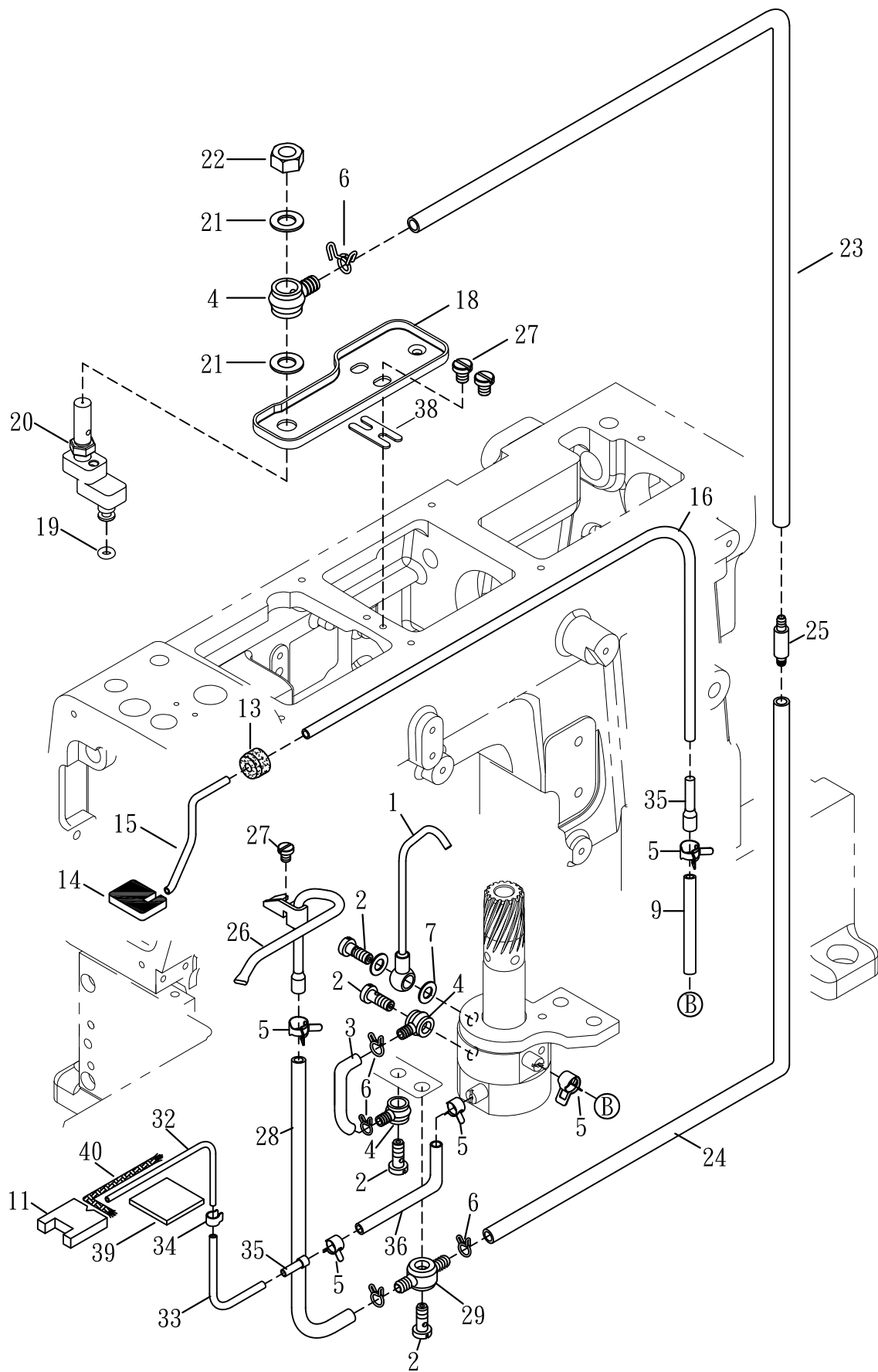


原26

LEFT-HAND KNIFE DEVICE**左修刀驅動機構****15**
Amt .
Req .

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零 件 名 稱</u>	
41	S2801-1	Suction Pipe	吸風管(壓克力)	1
	S1541BC	Suction Pipe (BC6)(Optional)	吸風管(銅)(選購)	
42	S1942PVC	PVC Plastic Pipe	速膠透明管	1
43	S1947	Pipe Clamp	風管束	1
44	SF237	Screw (M5 - 0.8 × 20)	螺絲	1
45	SF222NI	Screw (M4 - 0.7 × 6)	螺絲	2

※ Ref. No. 1 to 40 ……See the preceding page.



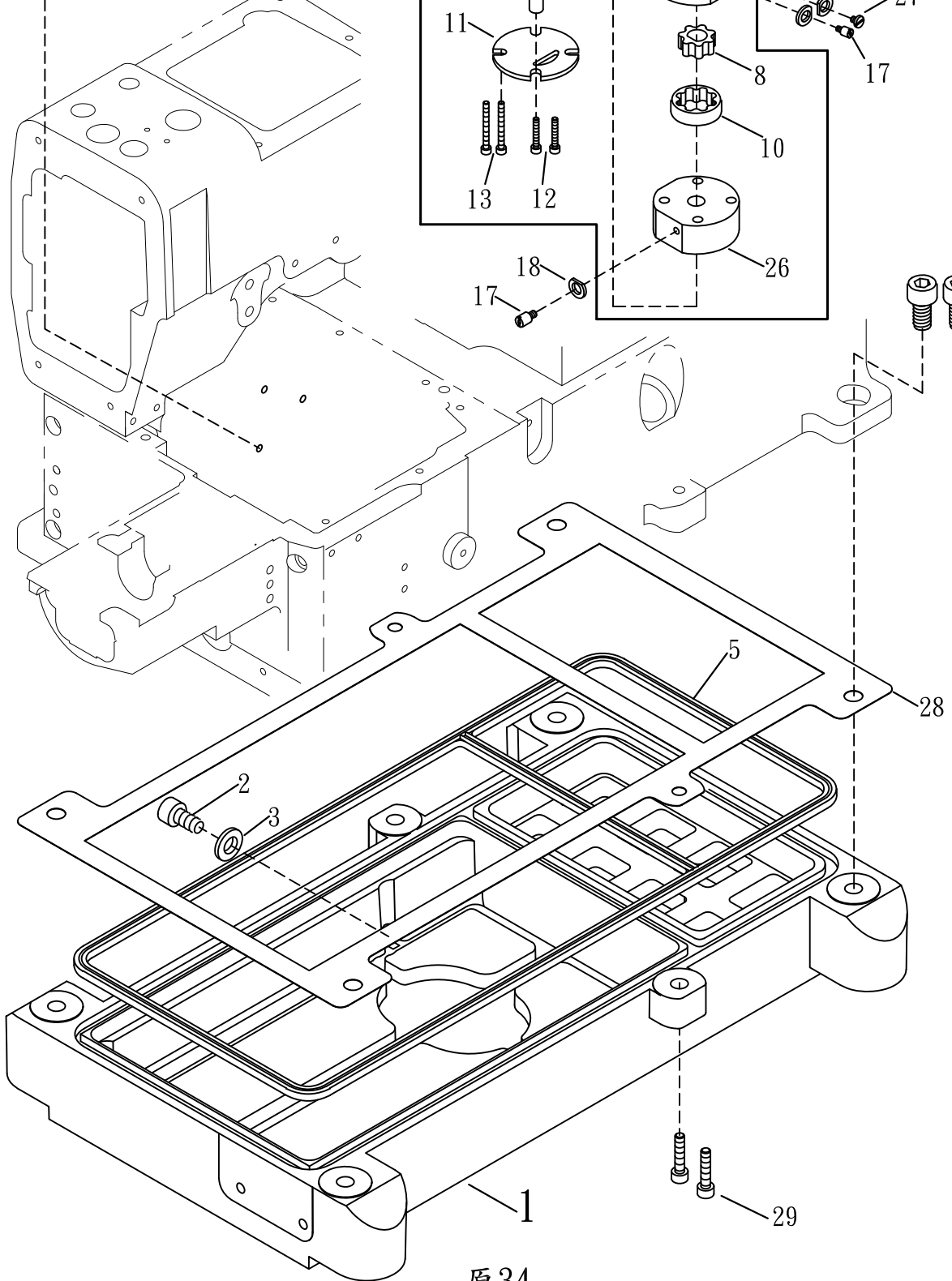
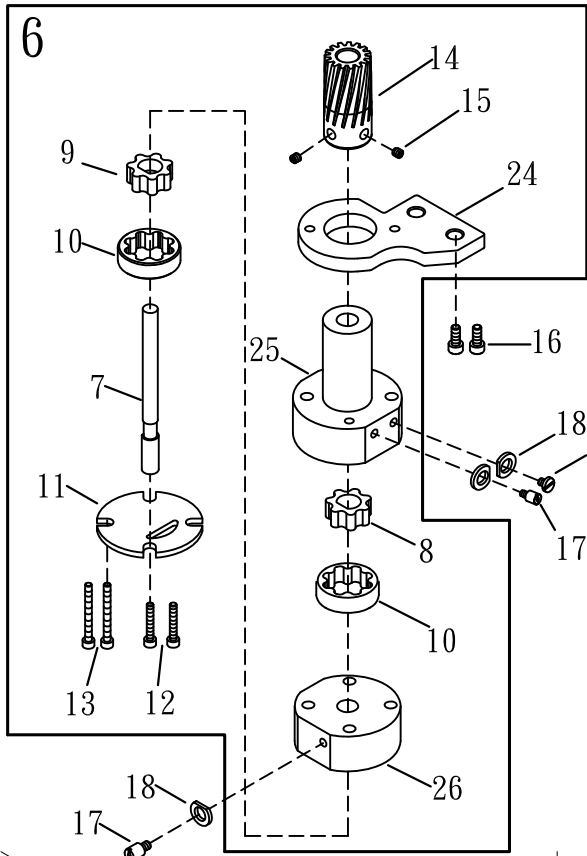
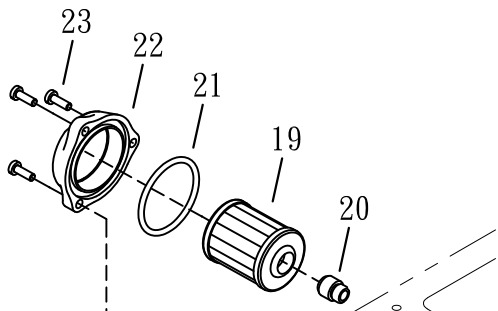
LUBURICATION MECHANISM(1)

給油機構(1)

16
Amt.
Req.

Ref. No.	Parts No.	Description	零件名稱	
1	S3201	Oil Nozzle For Worm Gear	驅動蝸齒噴油嘴	1
2	M1829	Fitting Stud	放油螺絲 1孔	4
3	S3203	Oil Tube ($\phi 4 \times \phi 6 \times 50\text{mm}$)	油管	1
4	VM29	Oil Tube Joint , One-sided	單向油管接頭	3
5	S3205	Oil Tube Clamp	油管束子	5
6	VM35-1	Oil Tube Clamp	油管夾	5
7	FL14	Washer	樹脂墊片	2
8				
9	S3209	Oil Tube ($\phi 4 \times \phi 6 \times 60\text{mm}$)	油管	1
10				
11	S3211	Felt	羊毛氈	1
12				
13	VM18	Suction Pipe Bushing	迴油管固定塞	1
14	N1314	Oil Sponge(Upper)	吸油棉 (上)	1
15	N1315	Suction Pipe	迴油管	1
16	N1317	Oil Tube ($\psi 3 \times \psi 5 \times 570$)	油管	1
17				
18	N1301-1	Oil Receiver	承油盤	1
19	L1202	O-ring	O型環	1
20	N1304-1	Oil Sight Top Nozzle	外視油量上噴嘴	1
21	VM37	Oil Sight Gauge	紅墊片	2
22	NV13	Nut	螺帽	1
23	N1320	Oil Tube ($\psi 4 \times \psi 6 \times 150$)	油管	1
24	S3224	Oil Tube ($\phi 4 \times \phi 6 \times 380\text{mm}$)	油管	1
25	VM25	One-return Valve Unit	止口閥	1
26	S3226	Lower Sherft Oiling Shower	勾針軸噴油孔	1
27	SV221	Screw (M4 - 0.7 \times 8)	螺絲	3
28	S3228	Oil Tube ($\phi 4 \times \phi 6 \times 100\text{mm}$)	油管	1
29	VM27	Oil Tube Joint , Two-sided	雙向油管接頭	1
30				
31				
32	S3232	Nut Oiling Recycle Tube	迴油銅管	1
33	S3233	Oil Tube ($\phi 3 \times \phi 5 \times 200\text{mm}$)	油管	1
34	J0262	Oil Tube Clamp	油管束子	1
35	S3235	Air Pipe	銅管	3
36	S3236	Oil Tube ($\phi 3 \times \phi 5 \times 90\text{mm}$)	油管	1
37				
38	N1338	Connection	結合墊塊	1
39	S3239	Felt	羊毛氈	1
40	S3240	Oil Wick	油蕊	1

17



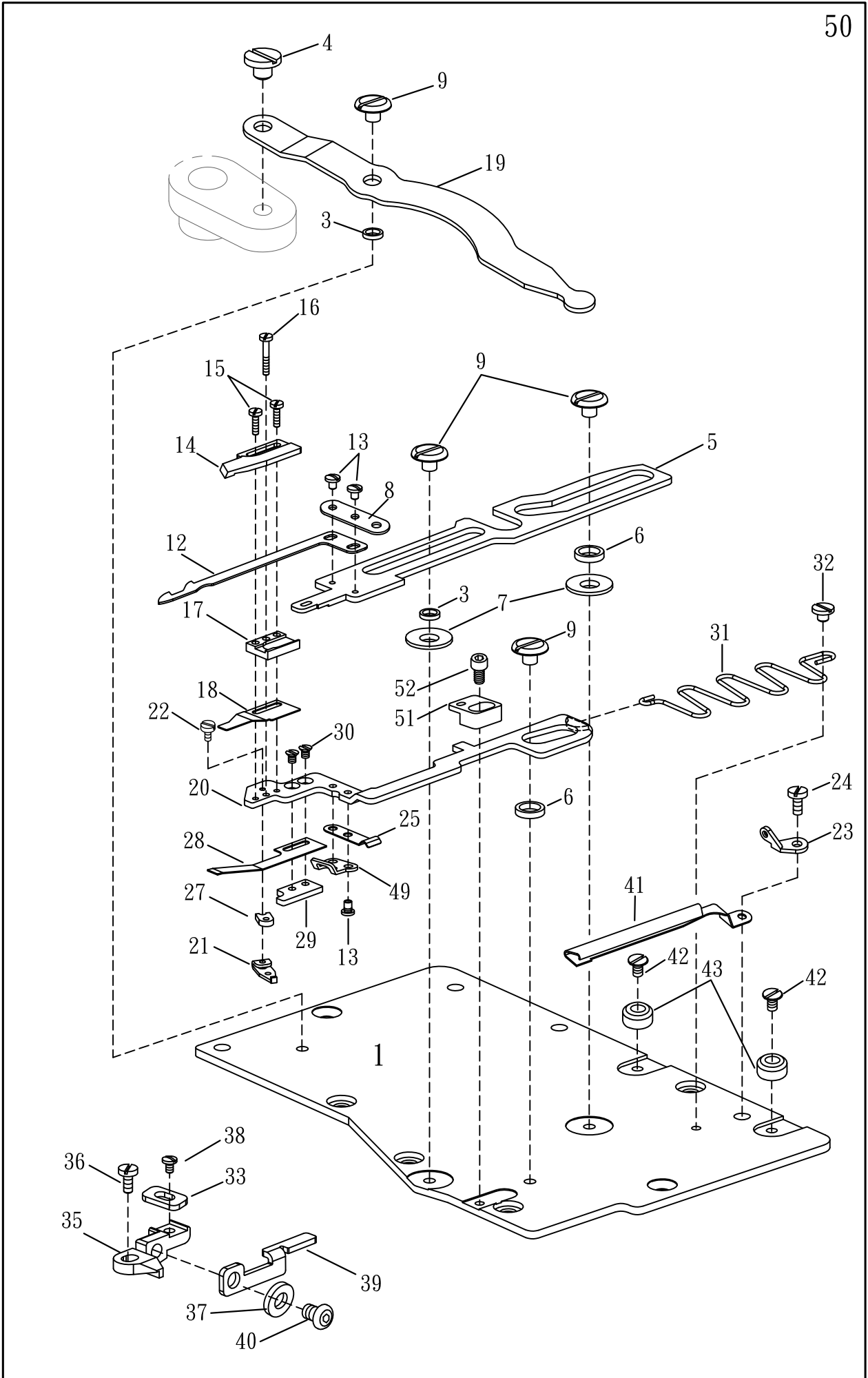
原34

LUBURICATION MECHANISM(2)

給油機構(2)

17

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	S3401	Oil Reservoir	油槽	1
2	SF160	Screw (SM 3/8 - 24 × 12)	螺絲	1
3	RF25	O ring	O型油環	1
4	L0212NI	Screw (M8 - 1.25 × 22)	螺絲	4
5	S3405	Oil Reservoir Gasket	油槽止油環	1
6	S3406	Oil Pump Assembly	油泵組	1
7	S3407	Lower Base Shaft	油泵底主軸	1
8	S3408	Inner Gear	內輪子	1
9	S3409	Inner Gear	內輪子	1
10	S3410	Outer Gear	外輪子(厚 7.5mm)	2
11	S3411	Lower Base Washer	油泵底座墊片	1
12	SV236	Screw (M4 - 0.7 × 25)	螺絲	2
13	SV237	Screw (M4 - 0.7 × 40)	螺絲	2
14	S3414	Oil Pump Driving Worm Gear	油泵驅動蝸齒	1
15	SV250	Screw (M5 - 0.8 × 5)	螺絲	2
16	SF230	Screw (M5 - 0.8 × 12)	螺絲	2
17	S3417	Oiling Nozzle for Upper Bed	迴油油嘴	2
18	VJ05	Seal	紅墊片	3
19	FL20	Oil Filter	濾油器	1
20	FL21	Oil Filter Connector	濾油器連接頭	1
21	RF28	Oil Ring (P42)	O形油環	1
22	FL19	Oil Filter Cap	濾油封蓋	1
23	SF127	Screw (SM11/64 - 40 × 16)	螺絲	3
24	S3424	Pump Bracket	油泵固定座	1
25	S3425	Pump Upper Base	油泵主體	1
26	S3426	Pump Lower Base	油泵下層	1
27	SV239	Screw (M4 - 0.7 × 5)	螺絲	1
28	S1728	Oil Reservoir Gasket	油槽止油片	1
29	SF243	Screw (M6 - 1.0 × 25)	螺絲	2



原36

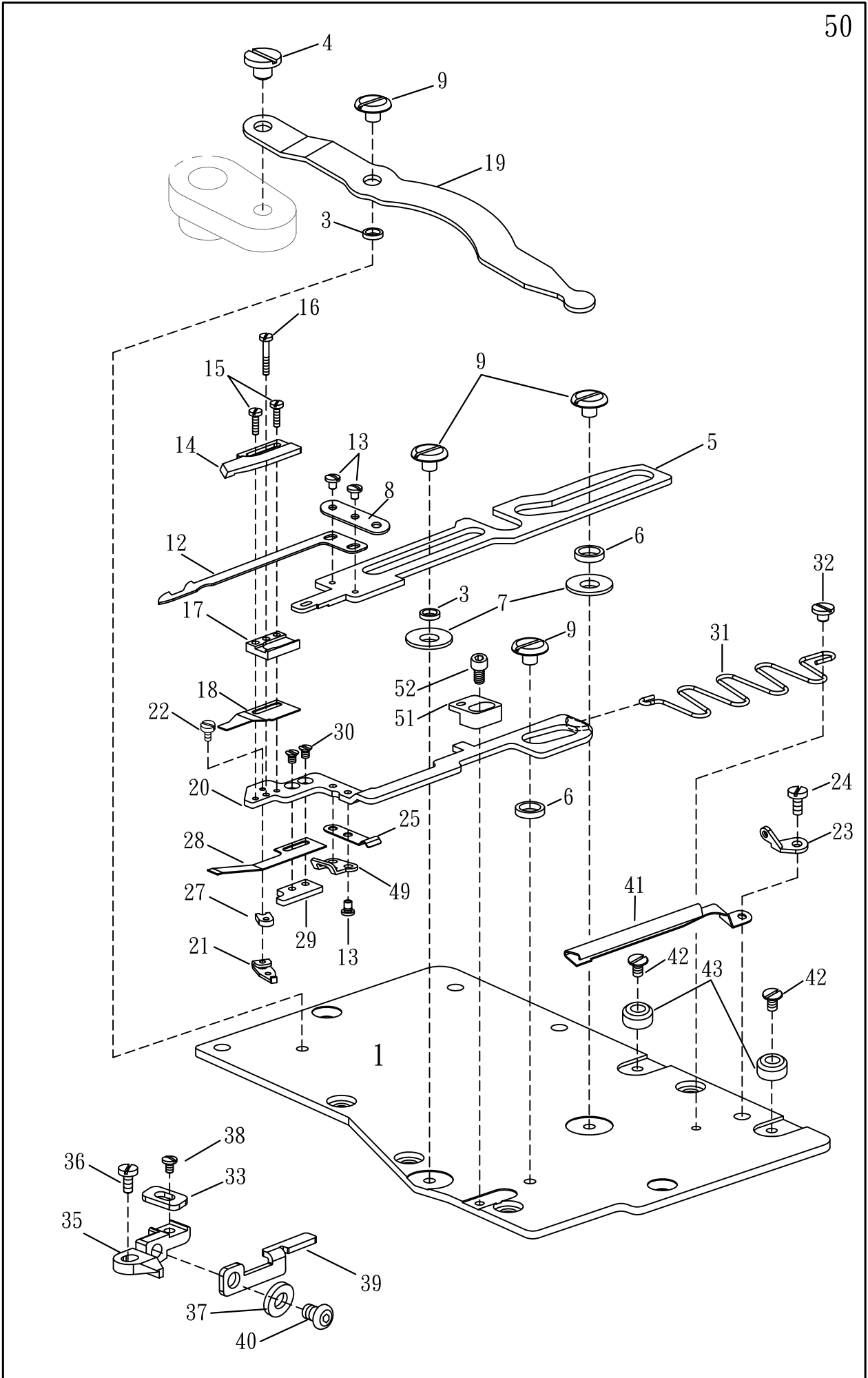
UNDER THREAD TRIMMER

下切刀驅動機構

18
Amt.
Req.

<u>Ref. No.</u>	<u>Parts No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt. Req.</u>
1	S3601-2	Crank Chamber Cover	下切刀基板	1
2				
3	S3603	Bushing	襯套φ6	2
4	17-02	Screw (M4 - 0.7)	螺絲	1
5	S3605-1	Upper Knife Carrier	上切固定座	1
6	S3606	Bushing	襯套φ8	2
7	S3607	Washer	華司	2
8	S3608	Thread Eyelet	過線片	1
9	S3609	Screw (M4 - 0.5 × 4)	螺絲	4
12	S3612-1	Lower Knife	活動刀	1
13	MAA025	Screw (M2 - 0.4 × 2.5)	螺絲	4
14	G1723-1	Upper Knife	固定刀	1
15	S3615-1	Screw (M1.6 - 0.35 × 6)	螺絲	2
16	S3616-1	Screw (M1.6 - 0.35 × 10)	螺絲	1
17	S3617	Upper Knife Guide	刀墊座	1
18	17-28	Clamp Spring	夾線片	1
19	S3619	Lower Knife Driving Lever	驅動桿	1
20	S3620-2	Upper Knife Carrier	上切固定座	1
21	17-31	Clamp Spring Presser Adjusting Unit	夾線調節塊	1
22	17-26	Screw (M2 - 0.4 × 3)	螺絲	1
23	S0611-1	Thread Eyelet	過線片	1
24	SV222	Screw (M4 - 0.7 × 12)	螺絲	1
25	S3625	Supplementary Spring	隱定夾簧	1
26				
27	S3627	Spacer	襯墊	1
28	17-29	Clamp Spring Presser	夾線押簧片	1
29	17-30	Clamp Spring Presser Holder	夾線固定板	1
30	17-32	Screw (M2 - 0.4 × 3.5)	螺絲	2
31	S3631	Upper Knife Carrier Spring	送進彈簧	1
32	N1220	Screw (M3 - 0.5 × 2.7)	螺絲	1
33	S3633-1	Lower Knife Carrier	水平固定片	1
34				
35	S3635	Lower Knife Carrier	水平固定座	1
36	SV232	Screw (M4 - 0.7 × 10)	螺絲	1
37	WF03	Washer	墊片	1
38	SV208	Screw (M3 - 0.5 × 4.4)	螺絲	1
39	S3639-1	Lower Knife Carrier Guide	水平支架	1
40	18-31	Screw (M4 - 0.7 × 8)	螺絲	1

※ Ref. No. 41 to 52 ……See the following page

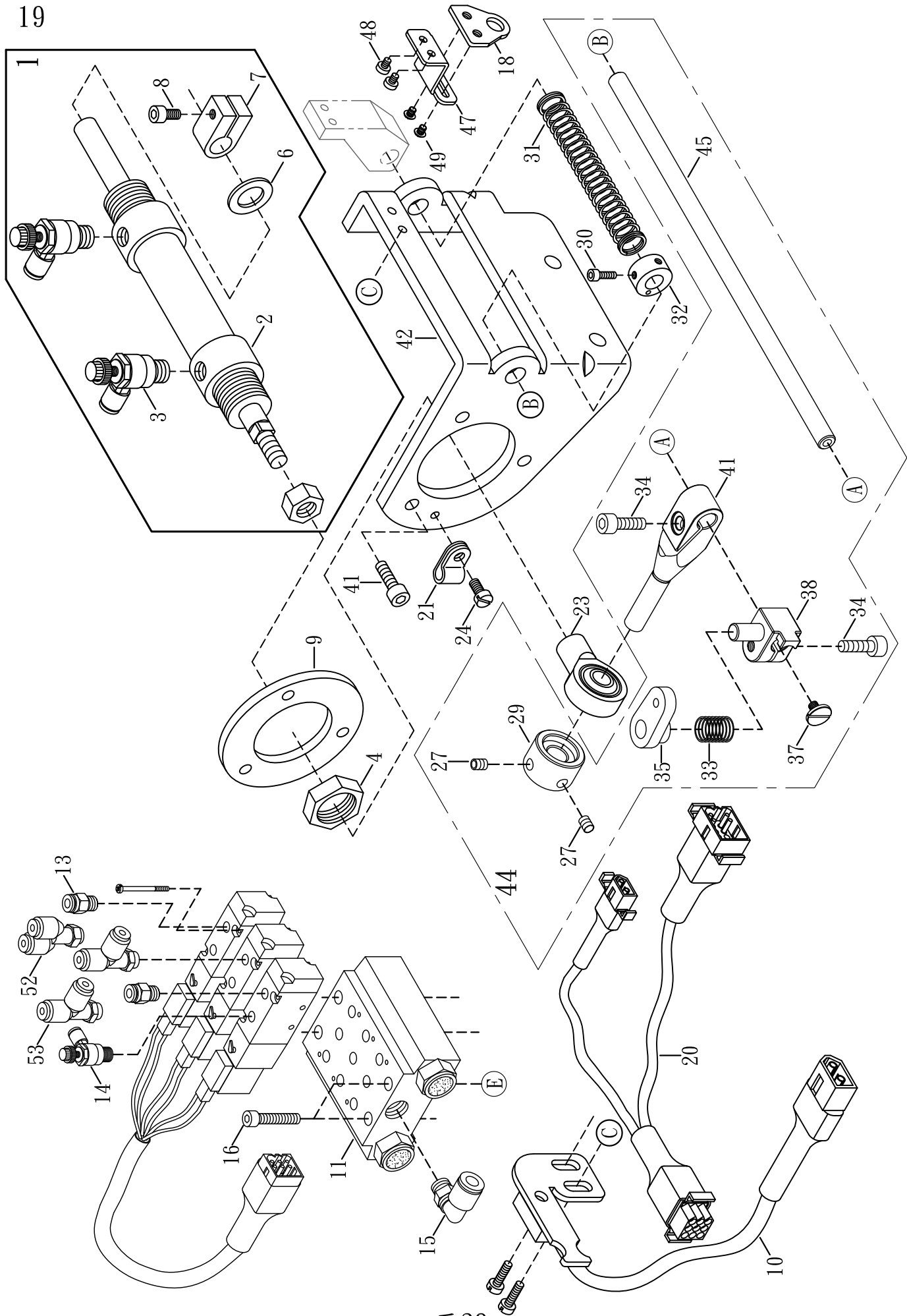


原36

UNDER THREAD TRIMMER**下切刀驅動機構****18**

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零 件 名 稱</u>	<u>Amt .</u> <u>Req .</u>
41	S1841	Looper Thread Protector	過線護線槽	1
42	MEB030	Screw (M3.5 x 0.6 - 3)	螺絲	4
43	S0608	Rubber Cushion	耐油橡膠	4
49	S3649-1	Thread Eyelet	過線片	1
50	S3650CH	Under Thread Trimmer,Complete Set	下切刀驅動組	A
51	S3651	Thread Eyelet	過線片	1
52	MDP040	Screw (M3 - 0.5 × 4)	螺絲	1

※ Ref. No. 1 to 40See the preceding page.

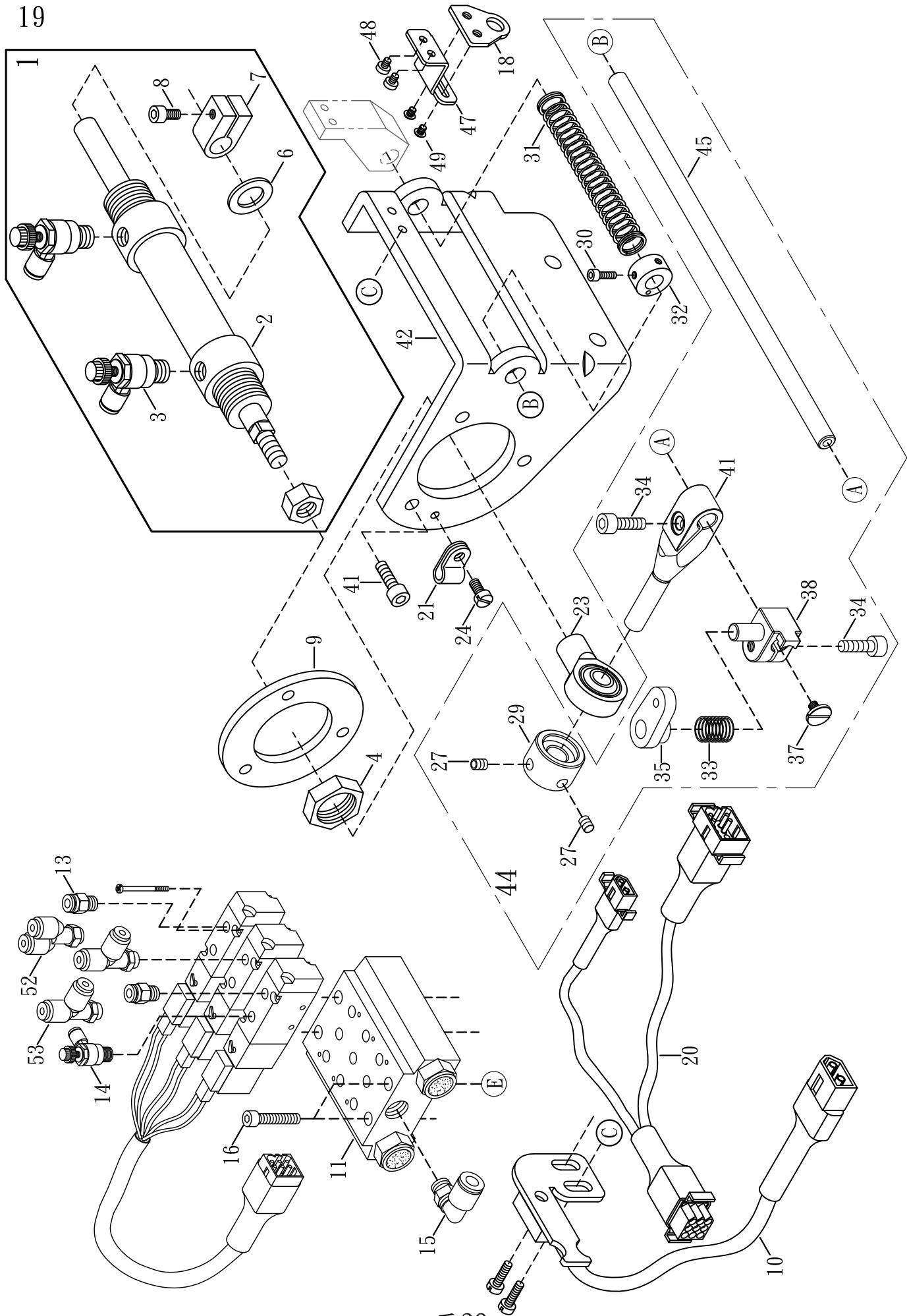


UNDER THREAD TRIMMER (PNEUMATIC TYPE) (OPTIONAL) 氣壓式下切刀驅動機構(選購)

19
Amt.
Req.

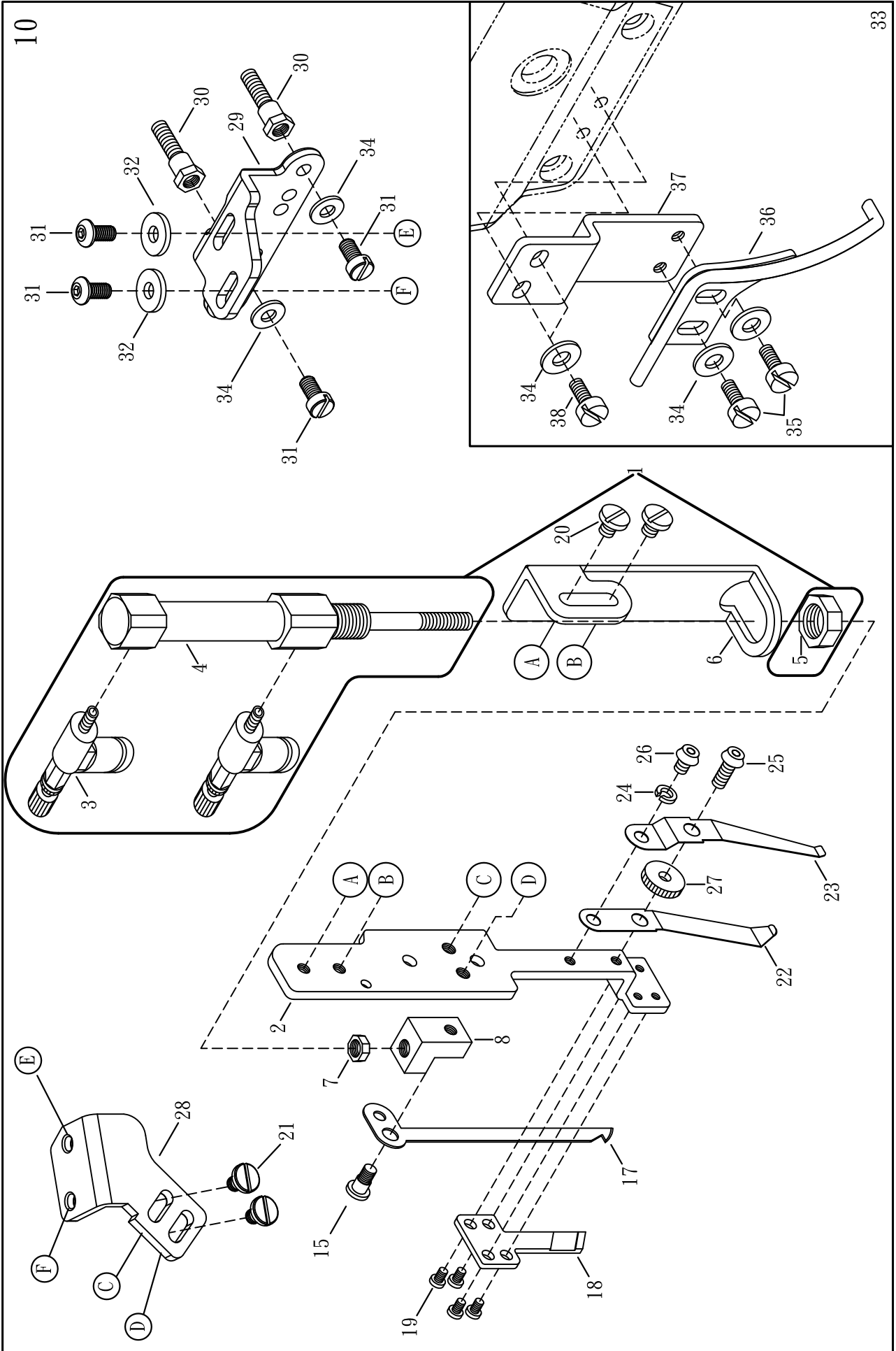
Ref. NO.	Parts NO.	Description	零件名稱	
1	21-01	Trimming Cylinder Complete Set	氣缸組	1
2	21-02	Trimming Cylinder	氣缸	1
3	21-03	Adjusting Air Value	調節閥	2
4	21-04	Nut	螺帽	1
6	21-06	Anti-shock Rubber	避震膠墊	1
7	21-07	Collar	止推座	1
8	SF231	Screw (M5 - 0.8 × 14)	螺絲	1
9	21-09	Cylinder Bracket	氣缸連座	1
10	19-14-1	Safety Switch Base	安全開關座	1
11	23-30	Air Solenoid Base	電磁閥連座	1
12				
13	23-27	Air Tube	直接管	2
14	23-28	Adjusting Value	調節閥	1
15	23-31	Elbow Connector	彎接管	1
16	MFP300	Screw (M4 - 0.7 × 30)	螺絲	4
17				
18	19-24-1	Magnetic Base	磁鐵座	1
19				
20	N2020	Pneumatic Adaptor Cord	風切中繼線,雙線	1
21	FL13	Cord Clamp	導線固鈕	1
22	NV14	Nut	螺帽	1
23	19-23	Plunger Connecting Pin	魚眼軸承	1
24	SV221	Screw (M4 - 0.7 × 8)	螺絲	1
25				
26	S3810	Plunger	調節桿座	1
27	SV250	Screw (M5 - 0.8 × 5)	螺絲	2
28				
29	19-29	Collar	止推緊環	1
30	SF224	Screw (M4 - 0.7 × 8)	螺絲	2
31	19-31	Spring	彈簧	1
32	VH32	Collar	止推緊環	1
33	19-33-1	Spring	彈簧	1
34	SF230	Screw (M5 - 0.8 × 12)	螺絲	2
35	19-35	Connecting Block (Right)	調節座	1
36				
37	MFB055	Screw (M4 - 0.7 × 5.5)	螺絲	1
38	19-38	Screw Base	螺樁座	1
39				
40				

※ Ref. No. 41 to 53See the following page



<u>UNDER THREAD TRIMMER (PNEUMATIC TYPE) (OPTIONAL)</u>			<u>氣壓式下切刀驅動機構(選購)</u>	19
<u>Ref.</u>	<u>Parts</u>			<u>Amt.</u>
<u>NO.</u>	<u>NO.</u>	<u>Description</u>	<u>零 件 名 稱</u>	<u>Req.</u>
41	SV252	Screw (M5 - 0.8 × 10)	螺絲	3
42	S3802	Trimming Solenoid Support	下切刀驅動固定座	1
43				
44	19-44	Under Trimmer Solenoid Set	下切刀驅動組	1
45	19-45	Cylinder Return Shaft	螺桿軸心	1
46				
47	S3826	Magnetic Adjusting Base	磁鐵調節座	1
48	SV208	Screw (M3 - 0.5 × 4.5)	螺絲	2
49	GB08	Screw (M3 - 0.5 × 3.5)	螺絲	2
50				
51				
52	23-25	Air Tube	Y型2通接頭	1
53	23-26	Air Tube	T型2通接頭	2

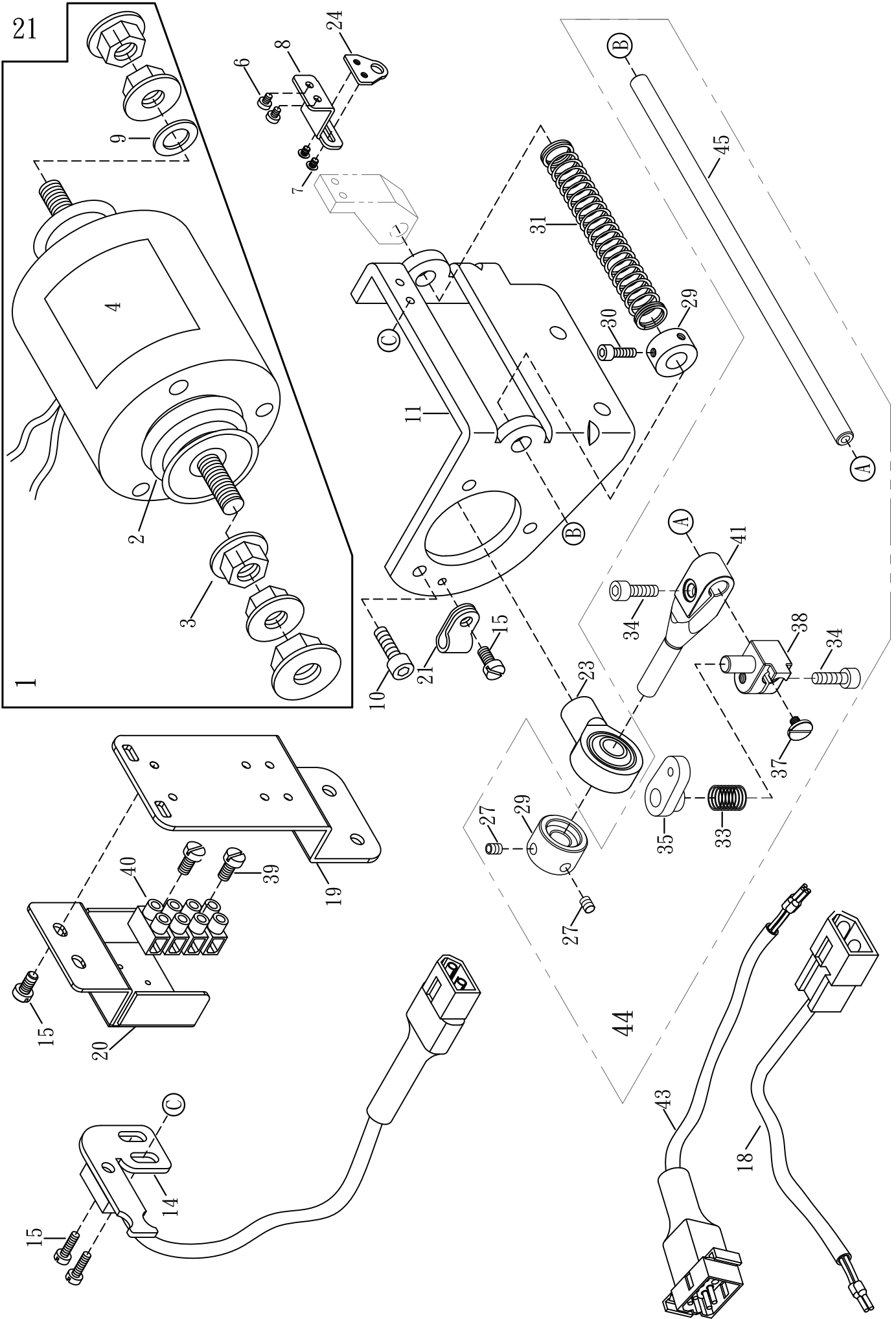
※ Ref. No. 1 to 40See the preceding page.



10

33

TOP THREAD TRIMMER (PNEUMATIC TYPE) AND AIR WIPER (OPTIONAL)				氣壓式上切刀機構與吹風組(選購)	20
Ref. NO.	Parts NO.	Description	零件名稱	Amt. Req.	
1	18-1	Top Trimmer Air Cylinder Complete Set	上切刀氣缸組	1	
2	18-2	Fixed Trimmer Knife Holder	氣壓式切刀導槽	1	
3	18-3	Pneumatic Regulator	調節閥	2	
4	18-4	Top Trimmer Air Cylinder	上切刀氣缸	1	
5	18-5	Nut	螺帽	1	
6	18-6	Air Cylinder Bracket	氣缸托座	1	
7	18-7	Nut	螺帽	1	
8	18-8	Movable Trimming Knife Base	活動刀固定座	1	
9				1	
10	18-10A	Pneumatic Top Trimmer, Complete Set	上切刀氣壓組	1	
11					
12					
13					
14					
15	18-15-1	Screw	螺絲	2	
16					
17	18-17	Movable Trimming Knife	上切活動刀	1	
18	18-18	Fixed Trimming Knife	上切固定刀	1	
19	18-19	Screw	螺絲	4	
20	18-20	Screw	螺絲	4	
21	18-21	Screw	螺絲	2	
22	18-22	Clamp Spring	夾線片	1	
23	18-23-1	Knife Press Adjusting Spring	夾線押力片	1	
24	18-24	Washer	華司	1	
25	18-25	Adjusting Screw	調節螺絲	1	
26	18-26	Screw	螺絲	1	
27	18-27	Adjusting Nut	調節螺帽	1	
28	18-28	Trimming Movement Base	方向作動整座	1	
29	18-29	Trimming Fixed Bracket	上切刀固定作	1	
30	N2230	Screw	連座螺絲	2	
31	18-31	Screw	螺絲	4	
32	FA24	Washer	華司	2	
33	24-11A	Air Wiper, Complete Set	吹風撥線管整組	1	
34	WF04	Washer	墊片	6	
35	SV221	Screw (M4 - 0.7 × 8)	螺絲	2	
36	24-08	Air Wiper Tube	吹風撥線管	1	
37	24-07	Air Wiper Bracket	吹風撥線管調節定位座	1	
38	SV232	Screw (M4 - 0.7 × 10)	螺絲	2	

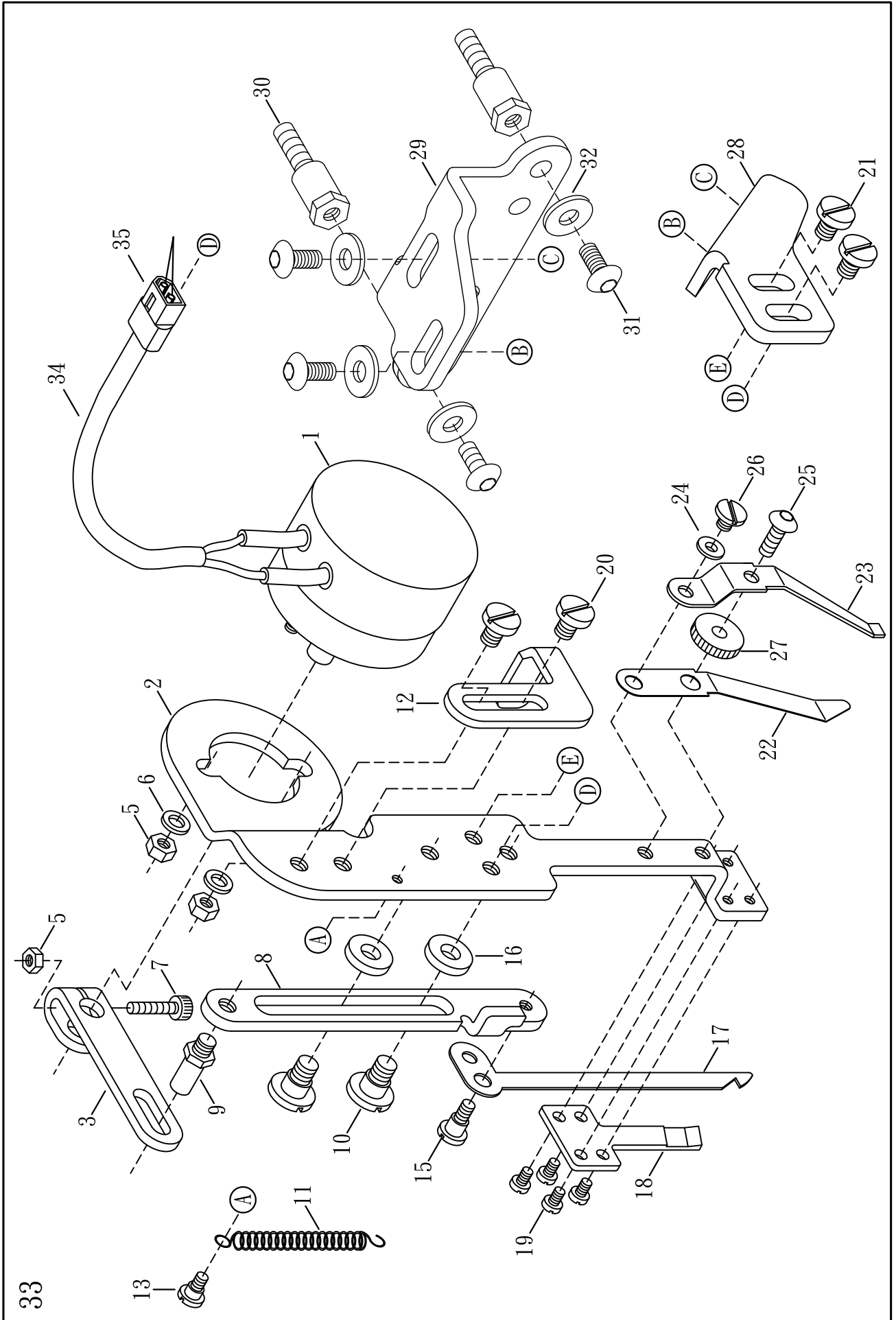


UNDER THREAD TRIMMER (ELECTRIC TYPE)

電磁式下切刀驅動機構

21

<u>Ref.</u> <u>NO.</u>	<u>Parts</u> <u>NO.</u>	<u>Description</u>	<u>零 件 名 稱</u>	<u>Amt.</u> <u>Req.</u>
1	19-01	Under Trimmer Solenoid	下切刀電磁閥	1
2	19-02	Solenoid Body	電磁閥伸縮護套	1
3	19-03	Nut	螺母	5
4	N053	Label	貼紙	1
5				
6	SV208	Screw (M3 - 0.5 × 4.5)	螺絲	2
7	GB08	Screw (M3 - 0.5 × 3.5)	螺絲	2
8	S3826	Magnetic Adjusting Base	磁鐵調節座	1
9	21-06	Anti-shock Rubber	避震膠墊	1
10	SV252	Screw (M5 - 0.8 × 10)	螺絲	3
11	S3802	Trimming Solenoid Support	下切刀驅動固定座	1
12				
13				
14	19-14-1	Safety Switch Bracket	安全開關座	1
15	SV221	Screw (M4 - 0.7 × 8)	螺絲	6
16				
17				
18	S2118	Extension Cord	連接延長線	1
19	N2044	Air Solenoid Base	氣壓閥組固定座	1
20	S2120	Terminal Support	端子台固定座	1
21	1M204	Cord Clamp	導線固鈕	2
22	NV14	Nut	螺帽	1
23	19-23	Plunger Connecting Rod	魚眼軸承	1
24	19-24-1	Magnetic Bracket	磁鐵座	1
25				
26				
27	SV250	Screw (M5 - 0.8 × 5)	螺絲	2
28				
29	19-29	Collar	止推緊環	1
30	SV247	Screw (M4 - 0.7 × 20)	螺絲	1
31	19-31	Spring	彈簧	1
32	VH32	Collar	止推緊環	1
33	19-33-1	Spring	彈簧	1
34	SF230	Screw (M5 - 0.8 × 12)	螺絲	2
35	19-35	Connecting Block (Right)	調節座	1
36				
37	MFB055	Screw (M4 - 0.7 × 5.5)	螺絲	1
38	19-38	Screw Base	螺樁座	1
39	MDA100	Screw (M3 - 0.5 × 10)	螺絲	2
40	19-40	Terminal Base	端子座	1
41	19-41	Plunger	調節桿座	1
42				
43	19-43	Adopting Cord	電切用中繼線	1
44	19-44	Under Trimmer Solenoid Set	下切刀驅動組	1
45	19-45	Cylinder Return Shaft	螺桿軸心	1

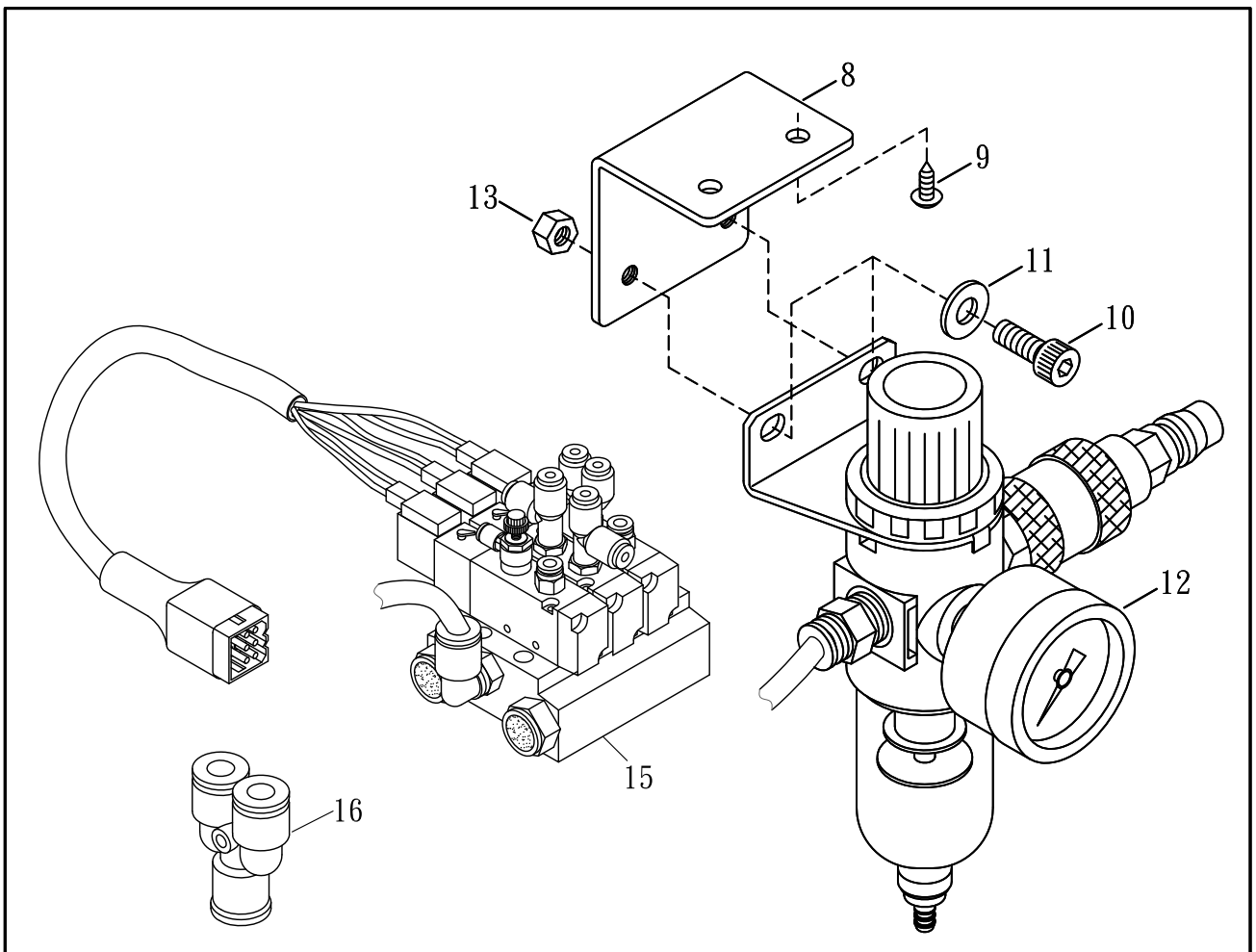
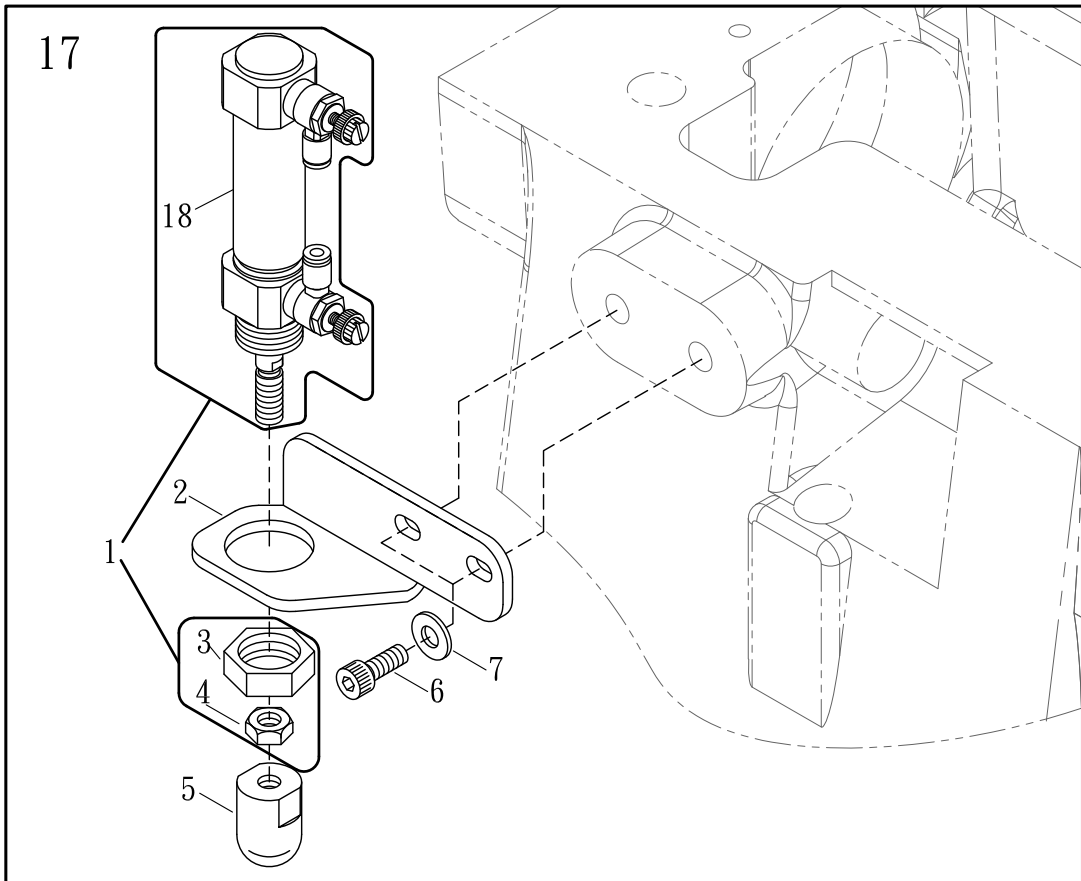


TOP THREAD TRIMMER (ELECTRIC TYPE) (OPTIONAL)

電磁式上切刀機構(選購)

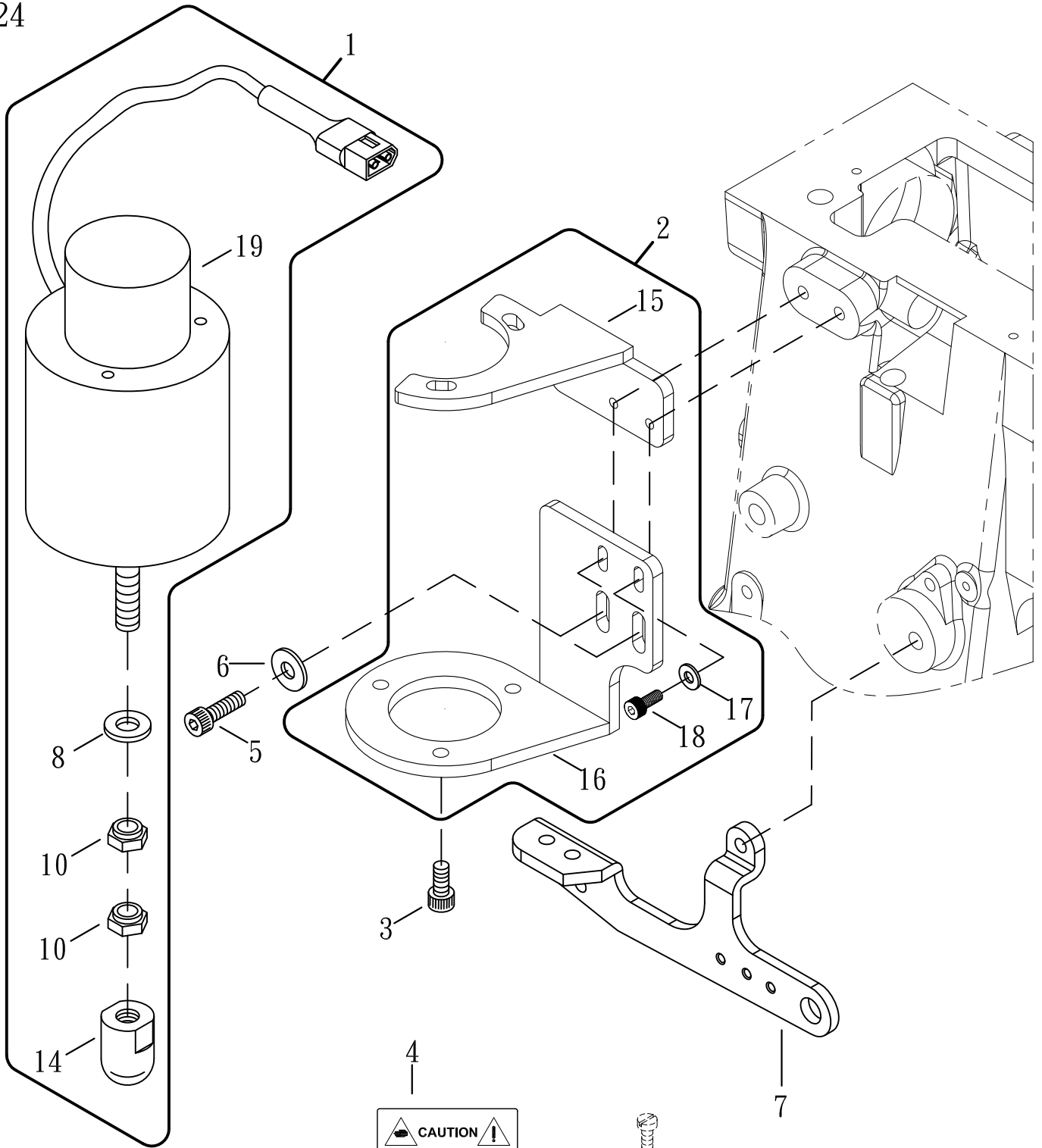
22
Amt.
Req.

Ref. NO.	Parts NO.	Description	零件名稱	Amt. Req.
1	37-01	Solenoid	電磁閥	1
2	37-02	Solenoid Bracket	電磁閥機體座	1
3	37-03-1	Solenoid Driving Arm	電磁閥驅動臂	1
4				
5	37-05	Nut	螺帽	3
6	18-24	Washer	華司	3
7	37-07	Screw (M3 - 0.5 × 14)	螺絲	1
8	37-08-1	Top Trimmer Guide Plate	上切刀導槽座	1
9	37-09	Screw (M4 - 0.7 × 3)	導槽連接螺絲	1
10	37-10	Screw (M4 - 0.7 × 4.5)	螺絲	2
11	37-11	Spring	拉簧	1
12	37-12-1	Adjusting Screw	調節器	1
13	37-13	Screw (M3 - 0.5)	螺絲	1
14				
15	18-15-1	Screw (M3 - 0.5)	螺絲	2
16	37-16	Washer	墊片	2
17	18-17	Movable Trimming Knife	上切活動刀	1
18	18-18	Fixed Trimming Knife	上切固定刀	1
19	18-19	Screw (M2 - 0.4 × 4)	螺絲	4
20	18-20	Screw (SM9/64 - 40 × 5)	螺絲	2
21	18-21	Screw (M4 - 0.7 × 6)	螺絲	2
22	18-22	Clamp Spring	夾線片	1
23	18-23-1	Knife Press Adjusting Spring	夾線押力片	1
24	18-24	Spring Washer	彈簧華司	1
25	18-25	Adjusting Screw (M3 - 0.5 × 8)	調節螺絲	1
26	18-26	Screw (M3 - 0.5 × 4)	螺絲	1
27	18-27	Nut	調節螺帽	1
28	18-28	Knife Guide Bracket	方向作動調整座	1
29	18-29	Upper Trimming Knife Base	上切刀固定座	1
30	N2230	Screw (M4 - 0.7 × 21)	連座螺絲	2
31	18-31	Screw (M4 - 0.7 × 8)	螺絲	4
32	FA24	Washer	華司	4
33	N3733	Top Thread Trimmer, Complete Set	上切刀整組	1
34	20-32	PVC Cover	PVC套管	1
35	20-33	Connector Cover	連接器套頭	1
36	20-34	Terminal	端子(母)	2



PRESSER FOOT LIFTER (PNEUMATIC TYPE) (OPTIONAL)**氣壓式抬壓腳組與氣壓閥壓力表(選購)****23**

<u>Ref.</u>	<u>Parts</u>			23
<u>No.</u>	<u>No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt .</u> <u>Req .</u>
1	J3224	Air Cylinder Complete Set	氣缸組	1
2	N2102	Air Cylinder Bracket	氣缸托架	1
3	M2603	Nut	螺帽	1
4	NV14	Nut (M8)	螺帽 (M8)	1
5	23-05-1	Plastic Pushing Block	塑膠推塊	1
6	GK03	Screw (M6 - 1 × 14)	螺絲	2
7	WF06	Washer	墊片	2
8	23-08	Regulator Support	壓力表支架	1
9	15-24	Wood Screw	木螺絲	2
10	SV266	Screw (M6 - 1 × 10)	螺絲	2
11	WF06	Spring Washer	彈簧墊片	2
12	23-12	Filter Regulator	壓力表	1
13	NF31	Nut	螺帽	2
14				
15	23-15CLL3	Air Solenoid Base	電磁閥整組	1
16	S045	T-Type Air Connector	風管三通接頭	1
17	N2117	Air-Type Presser Foot Lifter	氣壓式抬壓腳整組	1
18	J3225	Air Cylinder	氣缸	1

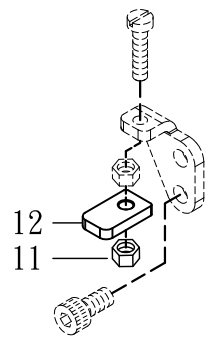


CAUTION

- Do not operate without eye guard and safety devices.
- Please don't touch it when it's on a duty, the temperature is rising.

注意

- 請按照設計圖操作，請勿在設計範圍以外的方式去操作，並注意安全防範。
- 工作中會產生溫升，請勿觸碰。

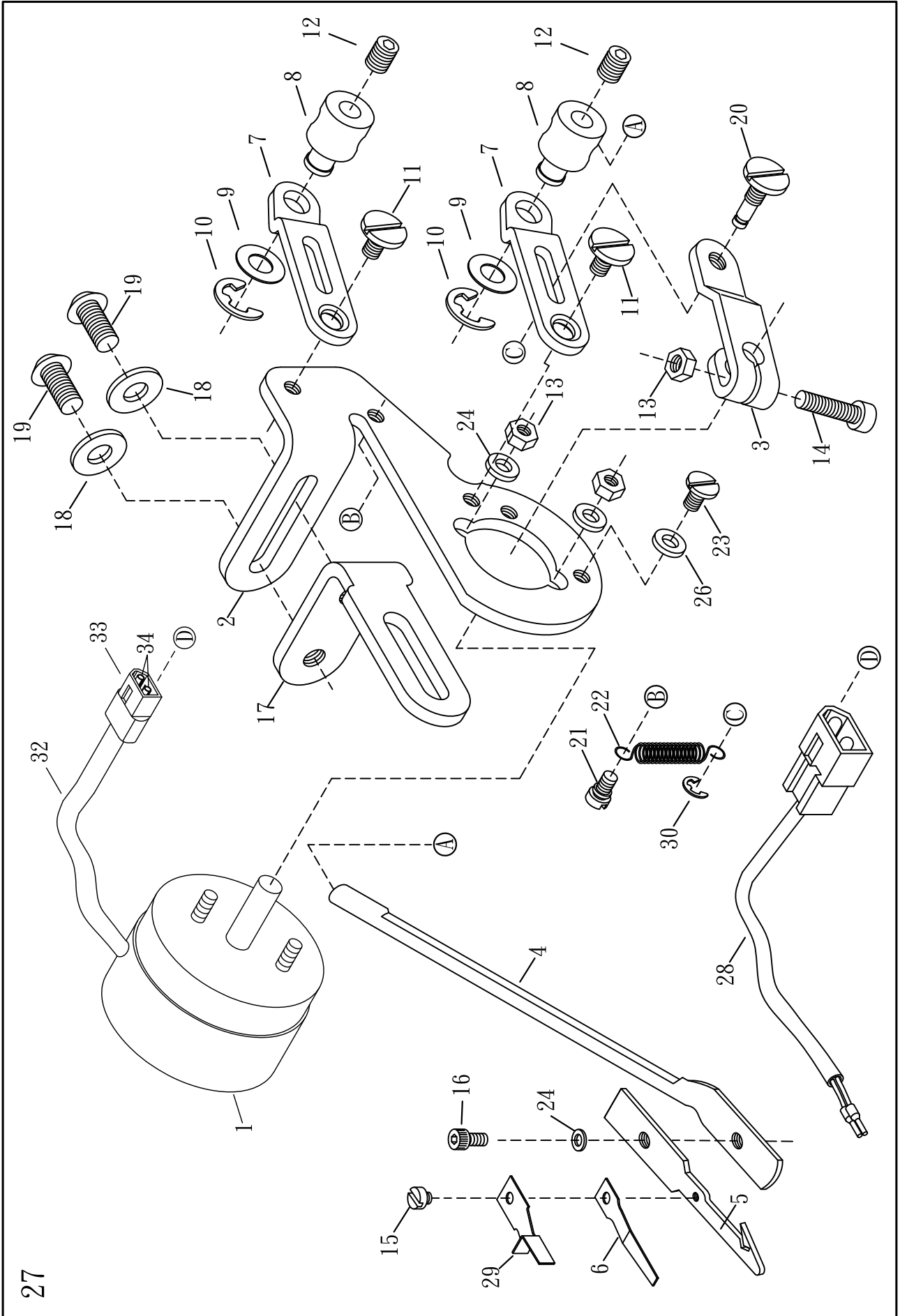


PRESSER FOOT LIFTER (ELECTRIC TYPE) (OPTIONAL)

電磁式抬壓驅動機構(選購)

24

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	N2401A	Presser Foot Lifter Solenoid Complete Set	抬押腳電磁閥組	1
2	N2402-A	Solenoid Support	電磁閥吊座組	1
3	SV252	Screw (M5 - 0.8 × 10)	螺絲	5
4	N053	Label	貼紙	1
5	SF244	Screw (M6 - 1.0 × 16)	螺絲	2
6	WF06	Washer	墊片	2
7	N0839 i	Lifter Lever	揚升臂	1
8	N2408	Rubber Cushion	避震膠墊	1
9				
10	NV14	Nut	螺帽	2
11	NV12	Nut	螺帽	1
12	N2412	Limiting piece	限位片	1
13				
14	23-05-1	Plastic Pushing Block	塑膠推塊	1
15	N2415	Solenoid Support (Upper)	電磁閥吊座 (上)	1
16	N2416	Solenoid Support (Lower)	電磁閥吊座 (下)	1
17	WF04	Washer	墊片	2
18	SF226	Screw (M4 - 0.7 × 12)	螺絲	2
19	N2401	Solenoid	電磁閥	1

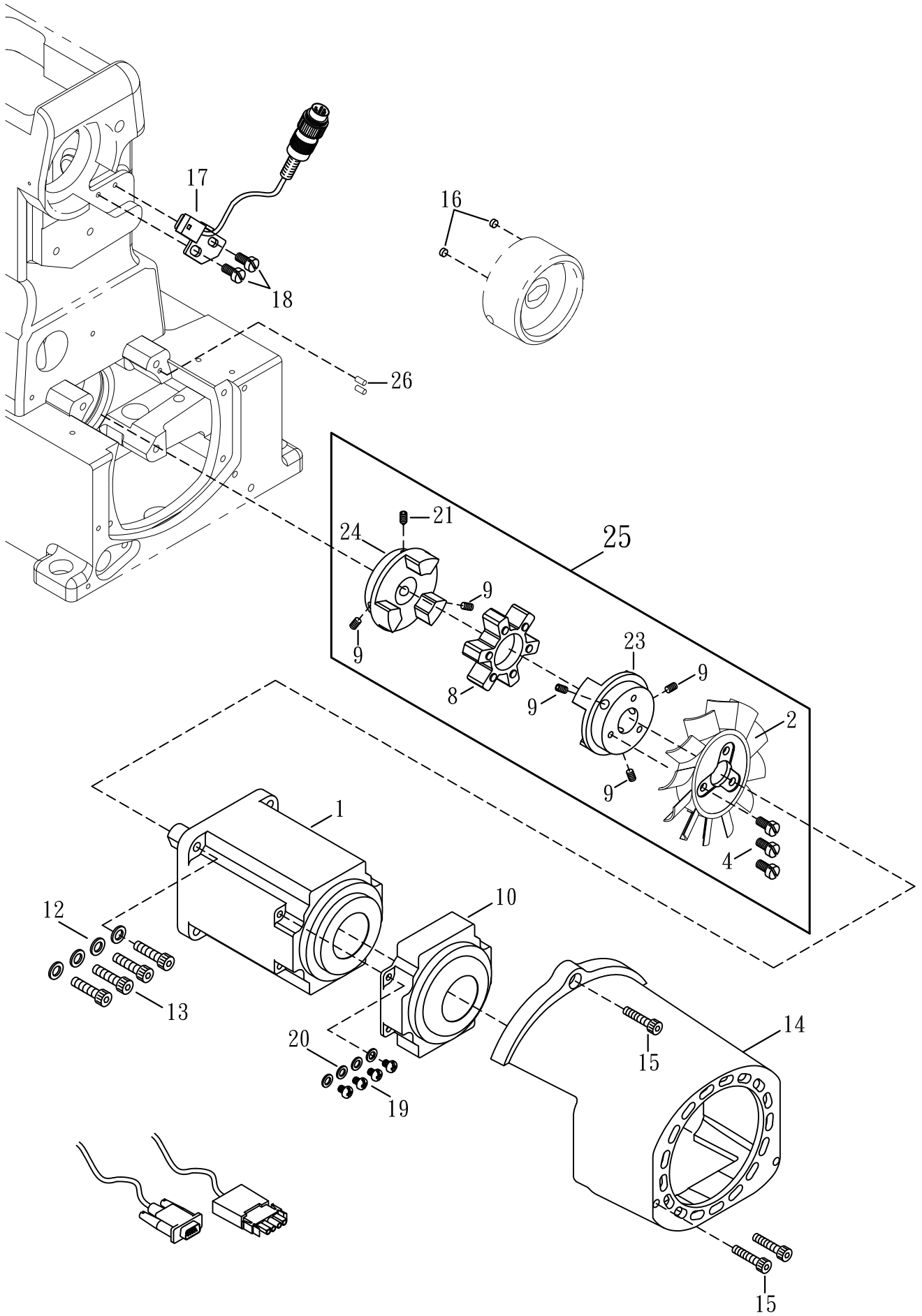


ELECTRIC WIPER (OPTIONAL)

電磁式上撥線機構(選購)

25

Ref. NO.	Parts NO.	Description	零件名稱	Amt. Req.
1	20-01	Wiper Solenoid	撥線電磁閥	1
2	N2602	Solenoid Support	撥線機體座	1
3	20-03	Wiper Bracket	電磁驅動臂	1
4	N2604	Wiper Bar	撥線搖臂	1
5	N2605	Wiper Hook	撥線勾	1
6	N2606	Clamp Spring	夾線彈簧片	1
7	20-71	Wiper Adjusting Arm	方向作動調整臂	2
8	20-08-1	Solenoid Lever Pin	轉動軸	2
9	20-09	Washer	墊片	2
10	16-28	Retaining Ring	扣環	2
11	20-11-1	Screw	螺絲	2
12	SF228	Screw (M4/0.7×4)	螺絲	2
13	37-05	Nut (M3 × 0.5)	螺帽	3
14	20-14	Screw (M3 × 0.5)	螺絲	1
15	20-15	Screw (M2 × 0.4)	螺絲	1
16	18-26	Screw (M3 × 0.5)	螺絲	1
17	N2617	Solenoid Support Link	連接支撐架	1
18	FA24	Washer (M4)	墊片	2
19	18-31	Screw (M4 × 0.7)	螺絲	2
20	20-20	Pin Screw	驅動臂插銷	1
21	37-13	Screw	螺絲 (M3×0.5)	1
22	N2622	Spring	拉簧	1
23	SV112	Screw (SM9/64)	螺絲	1
24	18-24	Washer	墊片	3
25				
26	20-26	Stop Washer	消力擋	1
27	N2627	Wiper Set	撥線器組	1
28	20-28	Extension Cord	連接延長線	1
29	N2629	Needle Guard	頂針片	1
30	H1341	Retaining Ring	扣環	1
31				
32	20-32	PVC Cover	PVC套管	1
33	20-33	Connector Cover	連接器套頭	1
34	20-34	Terminal	端子(母)	2

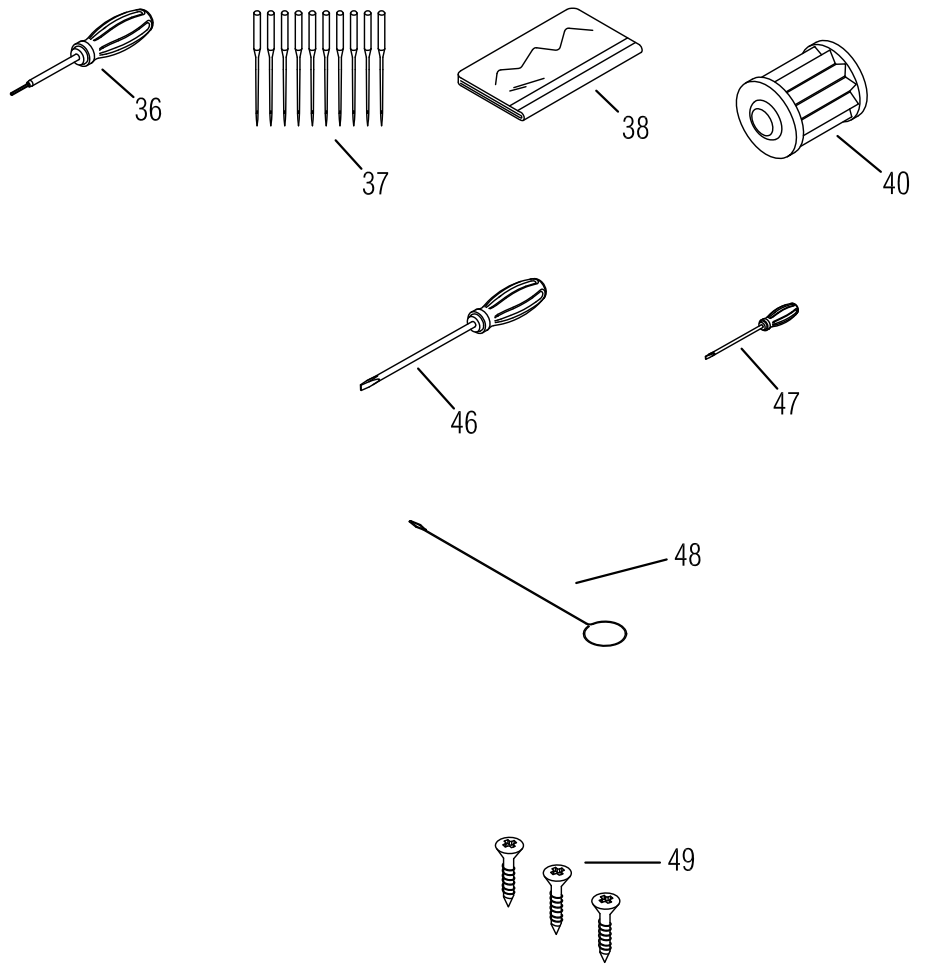
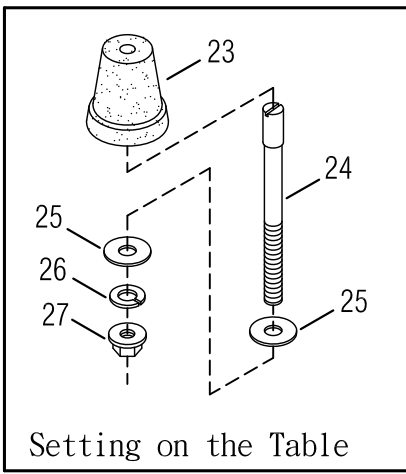
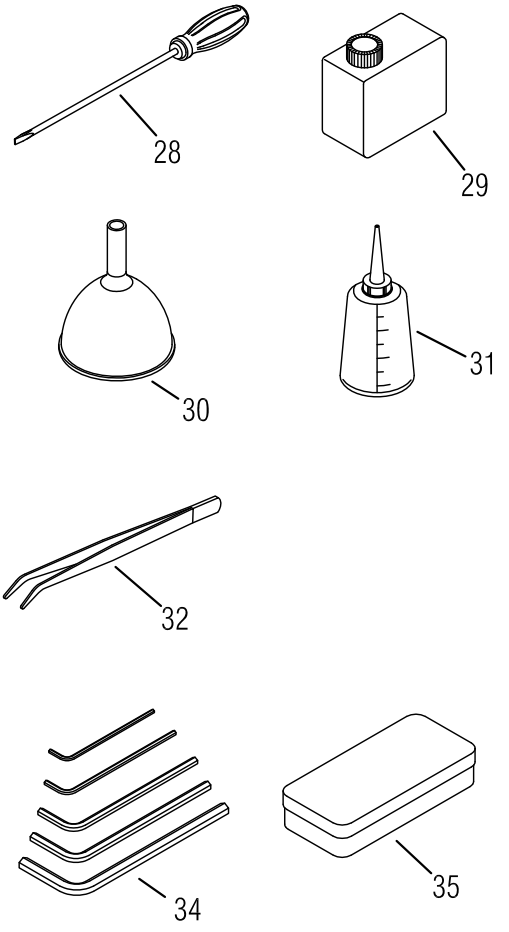
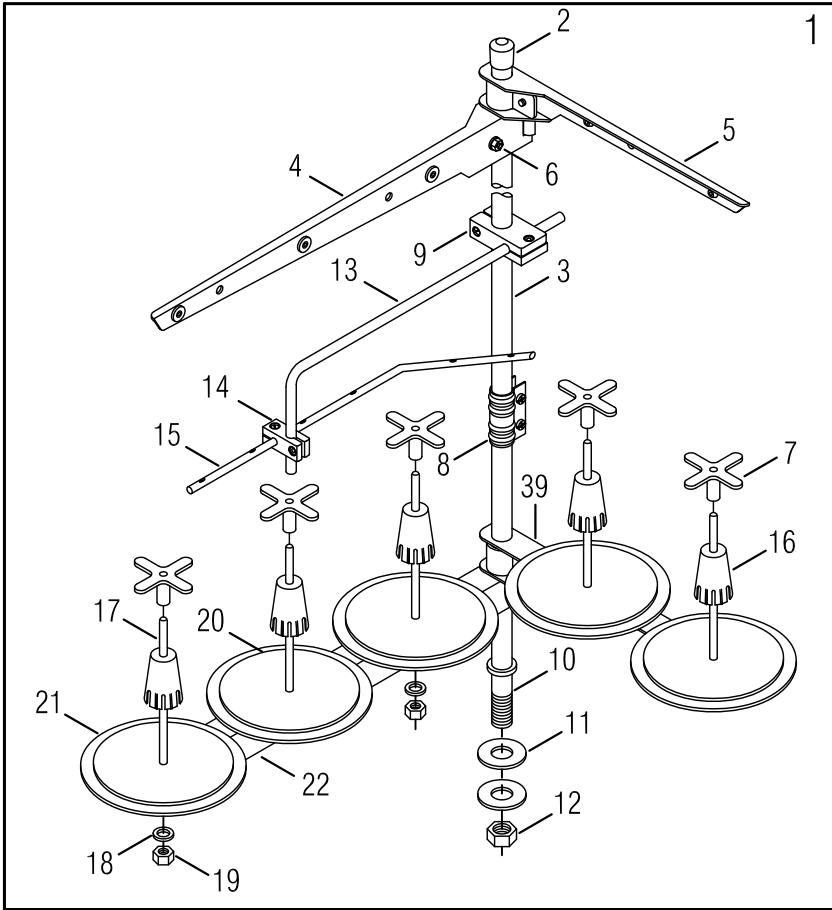


COMPACT—SIZE SERVO MOTOR & BUILT-IN SYNCHRONIZER

直驅馬達配件&內藏式定位線

26

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>產 品 名 稱</u>	<u>Amt.</u> <u>Req.</u>
1	N1801-2	Direct-drive Servo Motor	直驅馬達	1
2	N1802-3	Cooling Fan	風扇	1
3				
4	SV239-1	Screw (M4 - 0.7 × 8)	螺絲	3
5				
6				
7				
8	J3207	Rubber Cushion	橡膠防震	1
9	SF241	Screw (M6 - 1.0 × 10)	螺絲	5
10	N1810	Direct-drive Servo Motor Cover(Rear)	直驅馬達後蓋	1
11	N1811	Shaft (Short)	短軸	1
12	15-39	Spring Washer	彈簧華司	4
13	SF243	Screw (M6-1.0 × 25)	螺絲	4
14	N1814-1	Safety Cover	小馬達防護蓋	1
15	SV253	Screw (M5 - 0.8 × 16)	螺絲	3
16	24-02	Built-in Megnatic	Ø 5 × 厚3 磁鐵	2
17	24-03	Positioner Cord	雙定位線	1
18	SV221	Screw (M4 - 0.7 × 8)	螺絲	2
19	SV232	Screw (M4 - 0.7 × 10)	螺絲	4
20	WF04	Washer	墊片	4
21	MIR110	Screw (M6 - 1.0 × 11)	螺絲 (尖)	1
22	N1822	Control Box	999控制箱	1
23	N1823	Coupling	馬達轉軸器	1
24	N1824	Coupling	車台轉軸器	1
25	N1825	Coupling.Complete Set	聯結器整組	1
26	J0226	Pin	固定銷	2



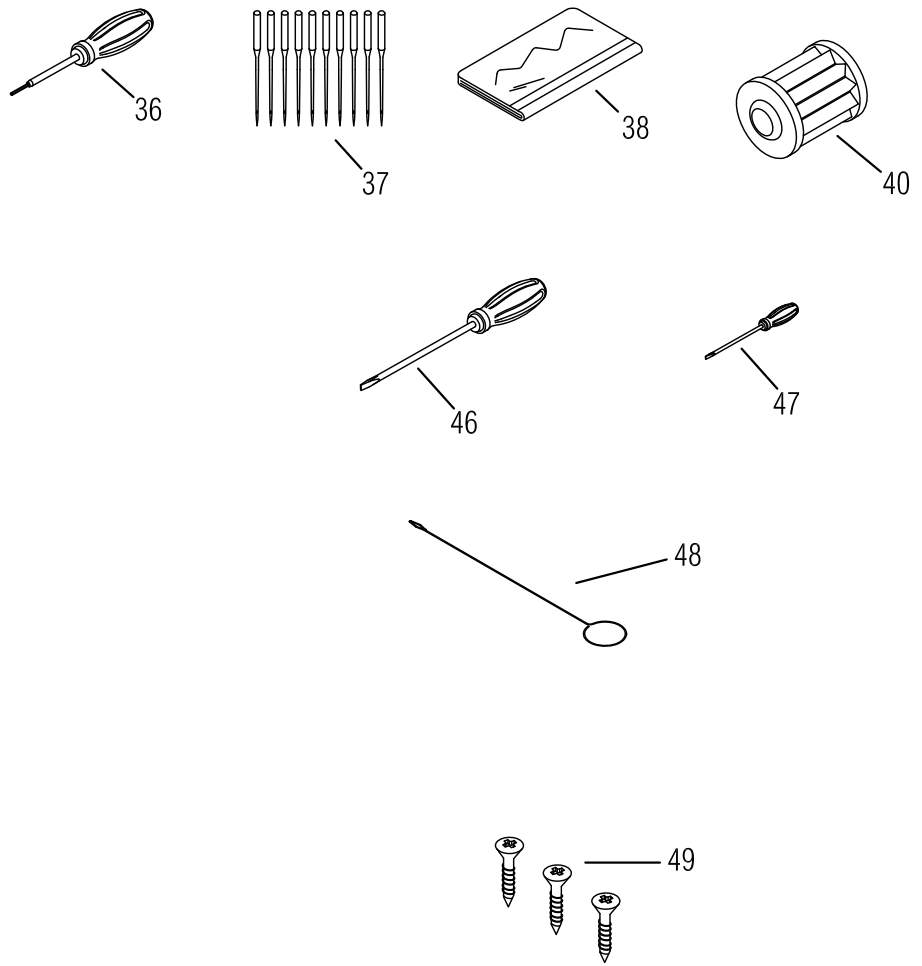
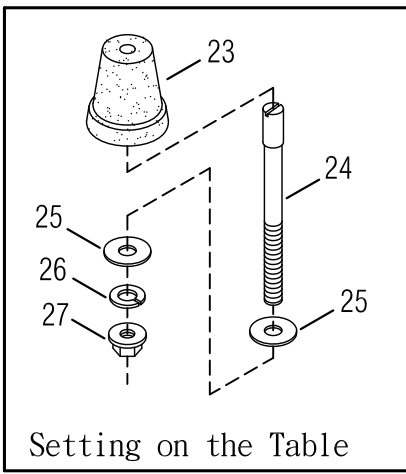
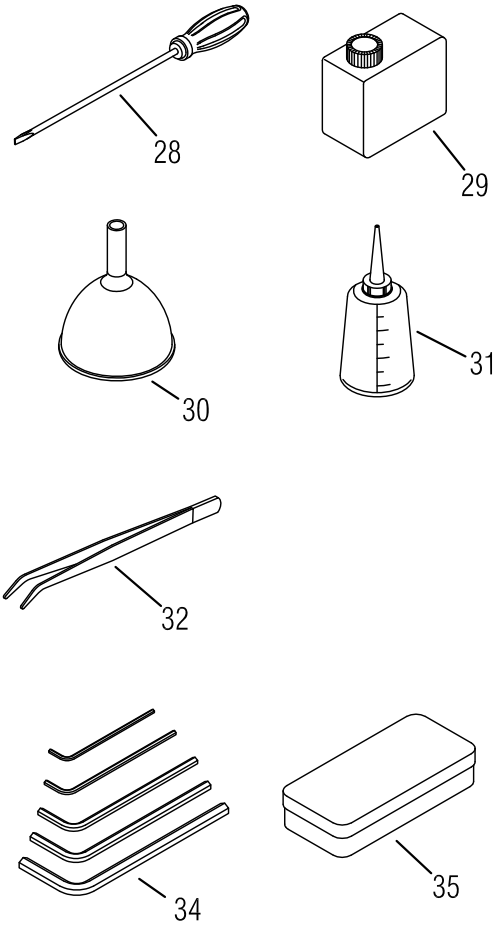
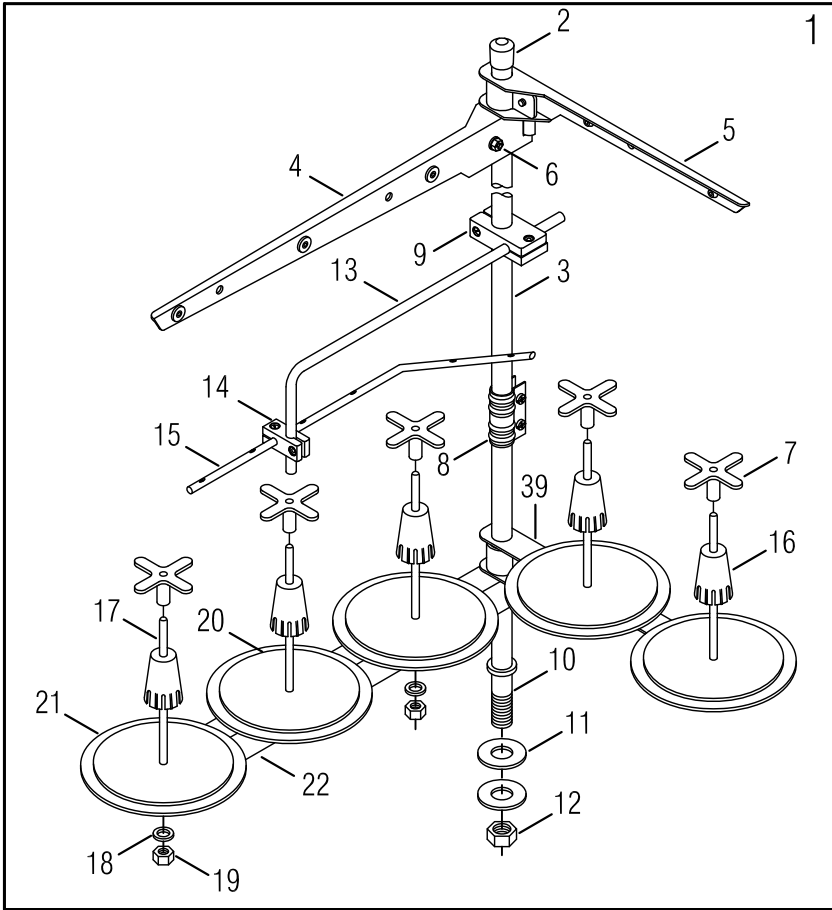
THREAD STAND & SUPPORTING BOARD

線架及機頭托架組

27
Amt .
Req .

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零 件 名 稱</u>	
1	15-01	Thread Stand	線架組	1
2	15-02	Cap	鐵管塑膠套	1
3	15-03	Thread Stand Rod (upper)	線架鐵管上	1
4	15-04	Thread Guide Bracket(3)	3孔過線鐵板	1
5	15-05	Thread Guide Bracket(2)	2孔過線鐵板	1
6	15-06	Screw	鐵板固定螺絲	4
7	FM02	Spool Retaining Fig	橡膠固定器	5
8	15-08	Joint	鐵管接頭	1
9	15-09	Holder	塑膠接頭(大)	1
10	15-10	Thread Stand Rod (Lower)	線架鐵管(下)	1
11	15-11	Washer	鐵管華司	2
12	15-12	Nut	鐵管螺母	1
13	15-13	Thread Guide Bar	90度過線管	1
14	15-14	Holder	塑膠接頭小	1
15	15-15	Thread Guide Bar	6孔過線	1
16	15-16	Spool Retaining Fig	線筒固定器	5
17	15-17	Spool Pin	線筒柱子	5
18	15-18	Spring Washer	柱子華司	5
19	15-19	Spool Nut	柱子螺母	5
20	15-20	Spool Mat	海棉	5
21	15-21	Spool Tray	線筒盤子	5
22	15-25	Spool Pin Bracket (3)	3孔線軸架	1
23	N1631-2	Oil Reservoir Rubber Cushion	底座避震膠墊	4
24	15-37	Setting Screw (Long)	長底座固定螺絲	4
25	15-38	Washer	墊片	8
26	15-39	Spring Washer	彈簧華司	4
27	NV31	Nut	螺帽	4
28	FM09	Screw Driver (Large)	大型螺絲起子	1
29	FM11	SF Oil	油壺	1
30	FM12	Funnel	漏斗	1
31	FM13	Oiler	油罐	1
32	FM14	Thread Tweezers	夾子	1
33				
34	FM20A	Wrench	六角板手	1
35	FM21	Box	零件盒	1
36	FM18	Screw Driver	六角起子	1
37	UY128GAS-11	Needle	車針	1
38	FM10	Head Cover	防塵套	1
39	15-26	Spool Pin Bracket (2)	2孔線軸架	1
40	FL20	Oil Filter	濾油器	1

* Ref. No. 41 to 52See the following page



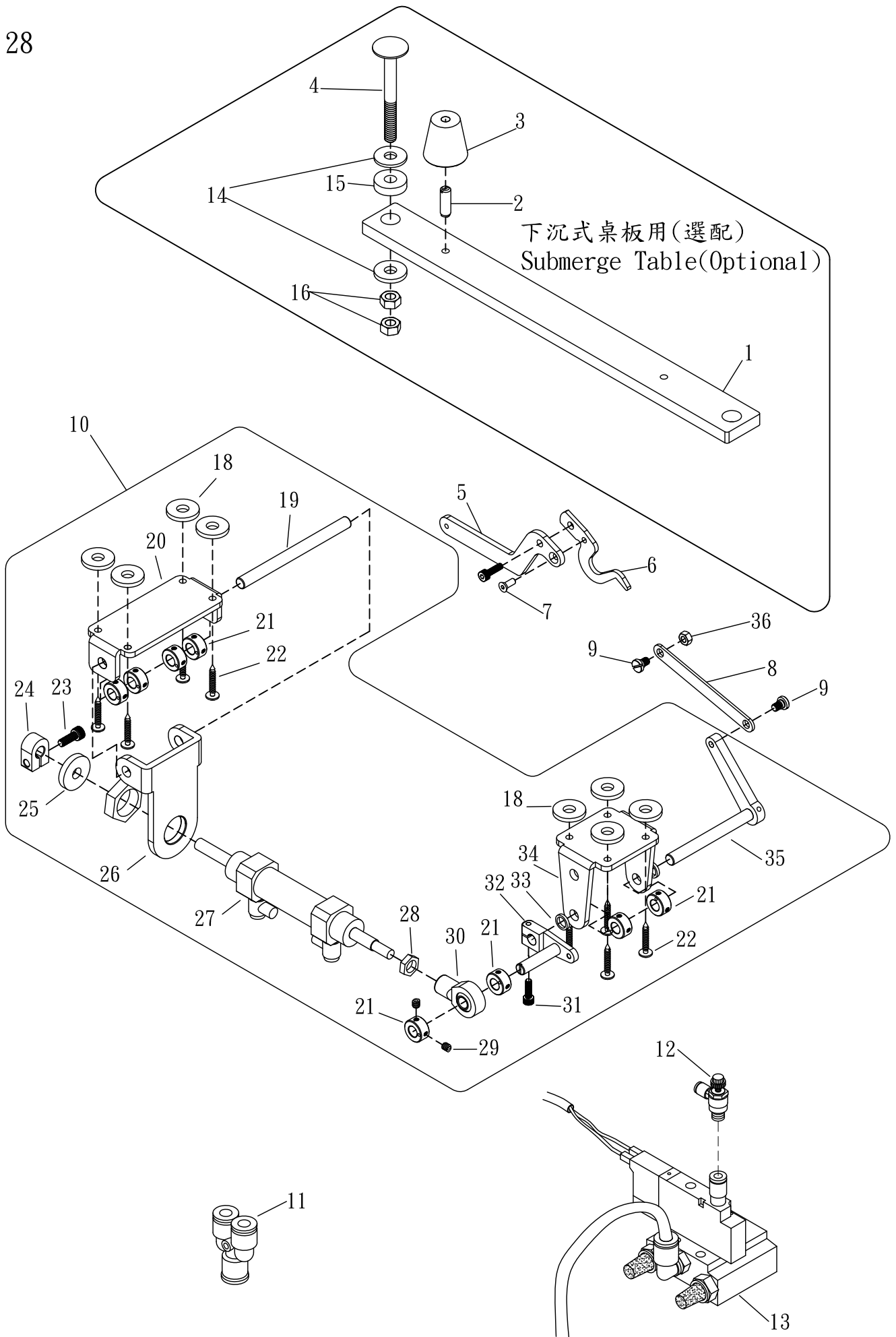
THREAD STAND & SUPPORTING BOARD

線架及機頭托架組

27

<u>Ref.</u> <u>No.</u>	<u>Parts</u> <u>No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt.</u> <u>Req.</u>
41				
42				
43				
44				
45				
46	FM19	Screw Driver (Middle)	中型螺絲起子	1
47	FM23	Screw Driver (Small)	小型螺絲起子	1
48	FM16	Threading Wire	穿線鐵絲	1
49	15-24	Wood Screw	木螺絲	3

※ Ref. No. 1 to 40 See the preceding page.



PNEUMATIC CONDENSE STITCH MECHANISM (OPTIONAL)

氣壓式密縫機構組(選購)

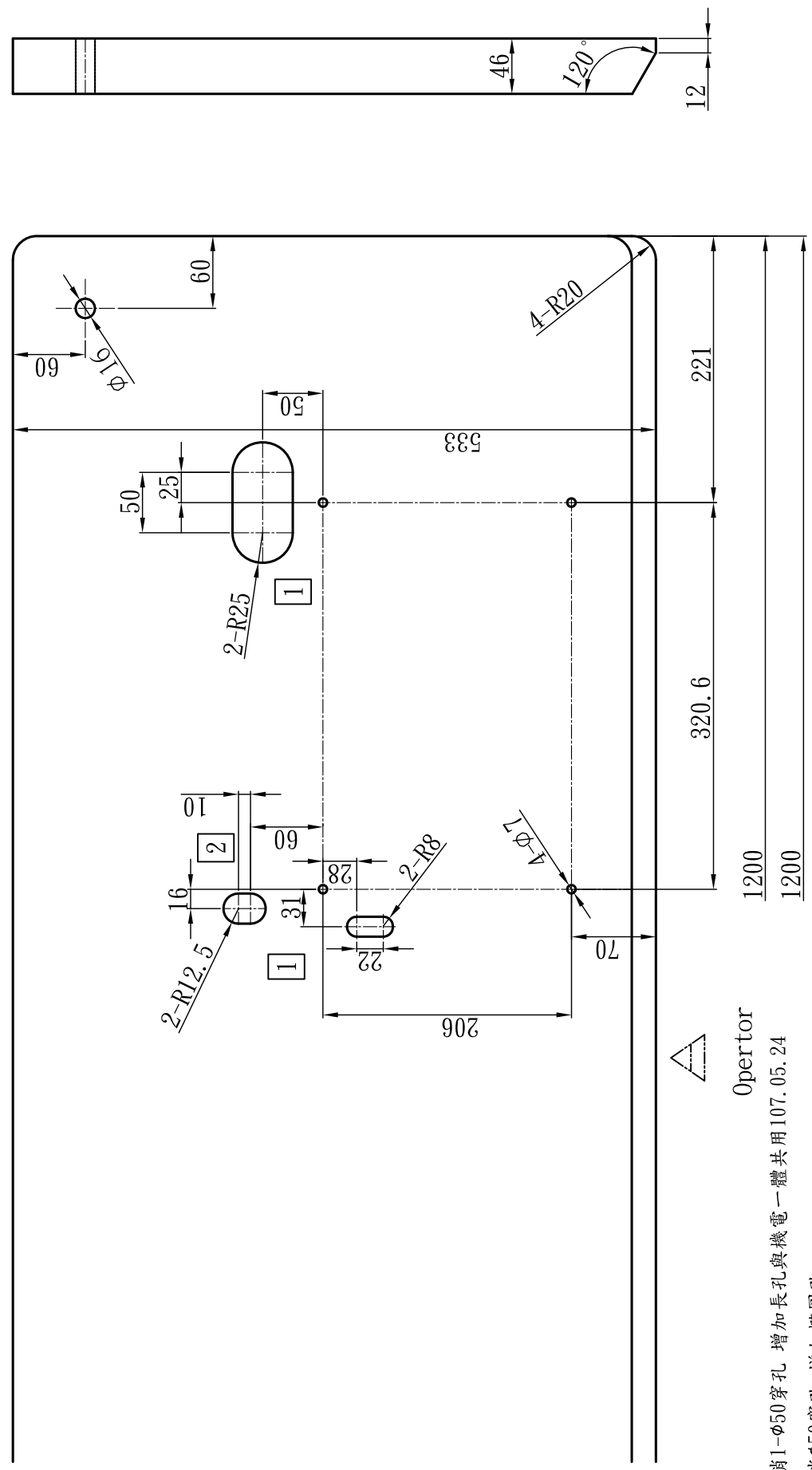
28

<u>Ref. No.</u>	<u>Parts No.</u>	<u>Description</u>	<u>零件名稱</u>	<u>Amt. Req.</u>
1	S047	Connecting Rod (Optional)	連桿 (選配)	2
2	15-30-1	Setting Screw (Short) (M6 - 1.0) (Optional)	短底座固定螺絲 (選配)	4
3	G1540	Oil Reservoir Rubber Cushion (Optional)	底座避震膠墊 (選配)	4
4	15-33	Hanging Bolt (SM 5/16 - 18) (Optional)	吊架螺栓(組) (選配)	4
5	S3207	Connecting Rod	連桿	1
6	S1627-1	Differential Feed Control Lever	差動控制桿	1
7	SV224	Screw(M4-0.7 × 7)	螺絲	1
8	S3216	Connecting Rod (Short Optional)	連桿(短 選配)	1
	M3002-1	Connecting Rod (long Optional)	連桿(長 選配)	
9	L0328	Screw(M5-0.8 × 5.4)	螺絲	1
10	M3032	Pneumatic Condense Stitch Mechanism	氣壓式密縫機構組	1
11	S045	T-Type Air Connector	風管三通接頭	1
12	21-03	Air Regulator	調節閥	1
13	27-22	Air Solenoid	2位電磁閥(單座)(1/8PT)	1
14	15-35	Supporting Board Rubber Cushion (Optional)	底座支架橡膠避震片 (選配)	8
15	15-34	Washer (Optional)	墊片 (選配)	4
16	15-36	Nut (Optional)	螺帽 (選配)	8
17				
18	15-35	Supporting Board Rubber Cushion	底座支架橡膠避震墊片	8
19	M3024	Shaft	軸	1
20	M3123	Bracket	連接支撐架	1
21	VH32	Collar	止推緊環	8
22	15-24	Screw(5/32X1)	鐵皮螺絲	8
23	SF231	Screw(M5-0.8×18)	螺絲	1
24	21-07	Collar	止推座	1
25	21-06	Rubber Cushion	避震膠墊	1
26	M3021	Bracket	汽缸拖架	1
27	21-2	Trimming Cylinder	氣缸	1
28	NV14	Nut (M8)	螺帽 (M8)	1
29	SF228	Screw(M4-0.7×4)	螺絲	16
30	19-23	Plunger Connecting Pin	魚眼軸承	1
31	SV223	Screw(M4-0.7×14)	螺絲	1
32	M3011-1	Tension Release Lever	拉力釋放槓桿(左)	1
33	VH51	Washer	華司	2
34	M3009	Bracket	曲軸拖架	1
35	M3004	Tension Release Shaft(Left)	拉力釋放曲軸(左)	1
36	NV12	Nut	螺絲	1

直驅小馬達桌板 (with Direct-drive Servo Motor)
 自動切線, 密縫, 機電一體共用

VG999S-N700
 VG999S-N700CS

S043-2



1 取消1-φ50穿孔 增加長孔與機電一體共用107.05.24

2 取消φ50穿孔 增加橢圓孔



SHING LING®
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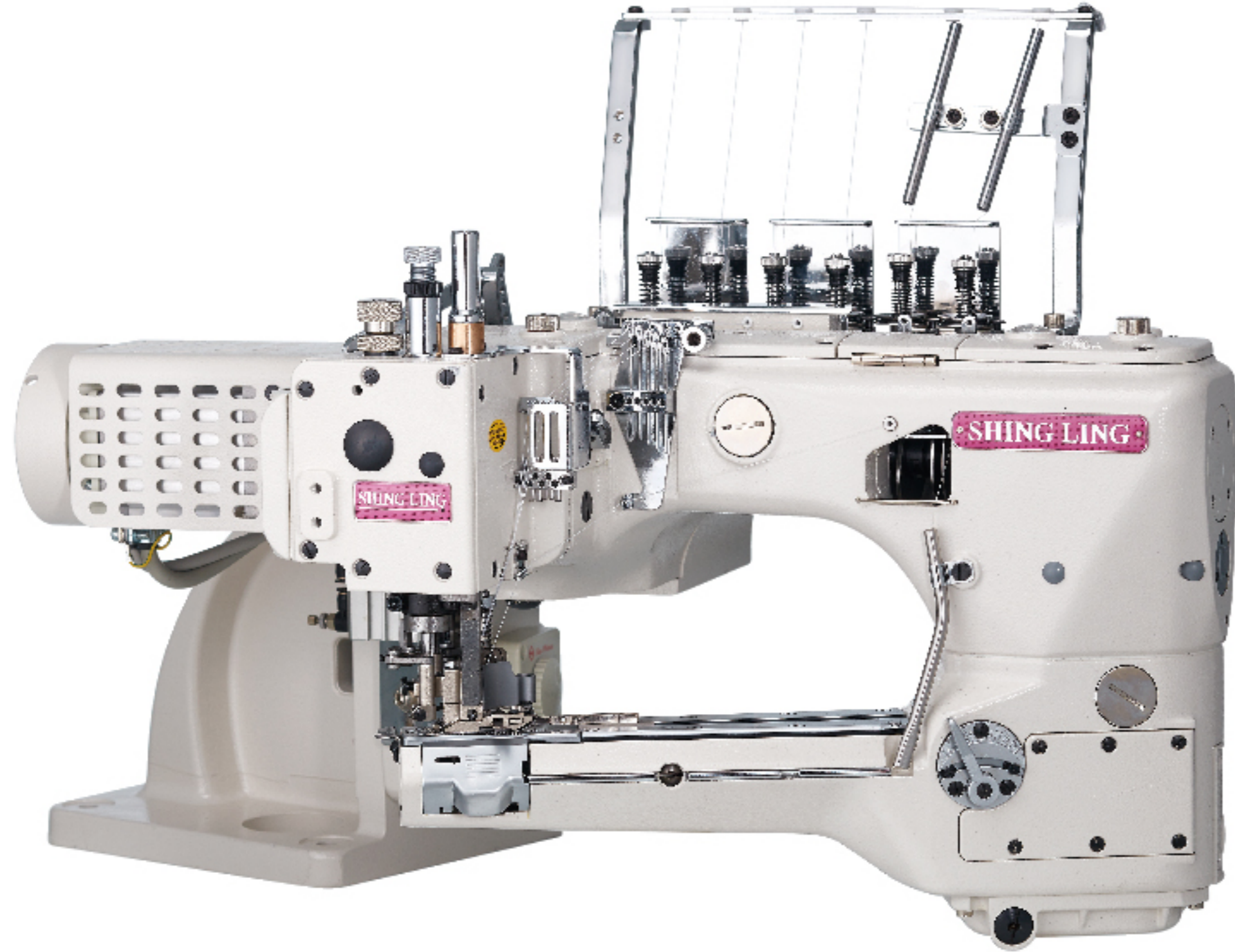
台正字第8144號



TAIWAN
 EXCELLENCE 2012

SL-703-GX-452/460/DS/PLA/VD

4-needle 6-thread feed-off-the-arm Interlock Flatseaming Machine with dual differential feed ratio regulator
 手臂型四針六線併縫機(附雙差動送布齒裝置)



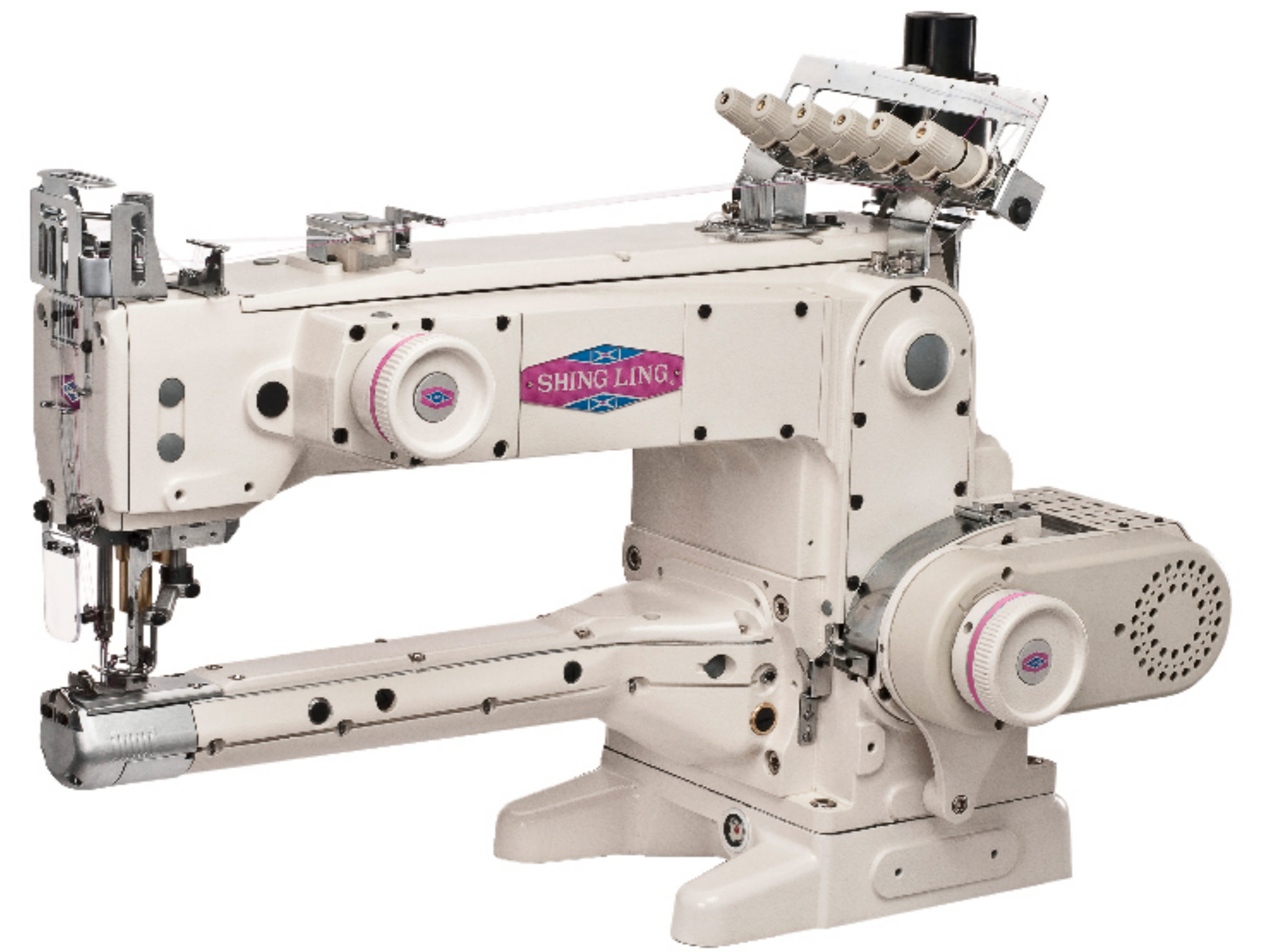
SL-2700-AST/EST

Feed-up-the-arm Interlock Machine with Compact Servo Motor and Thread Trimmer
 縱筒型三針五線雙面飾綳縫機



SL-2800-356/SM

Feed-up-the-arm Interlock Machine with Compact Servo Motor and Thread Trimmer
 縱筒型三針五線雙面飾綳縫機



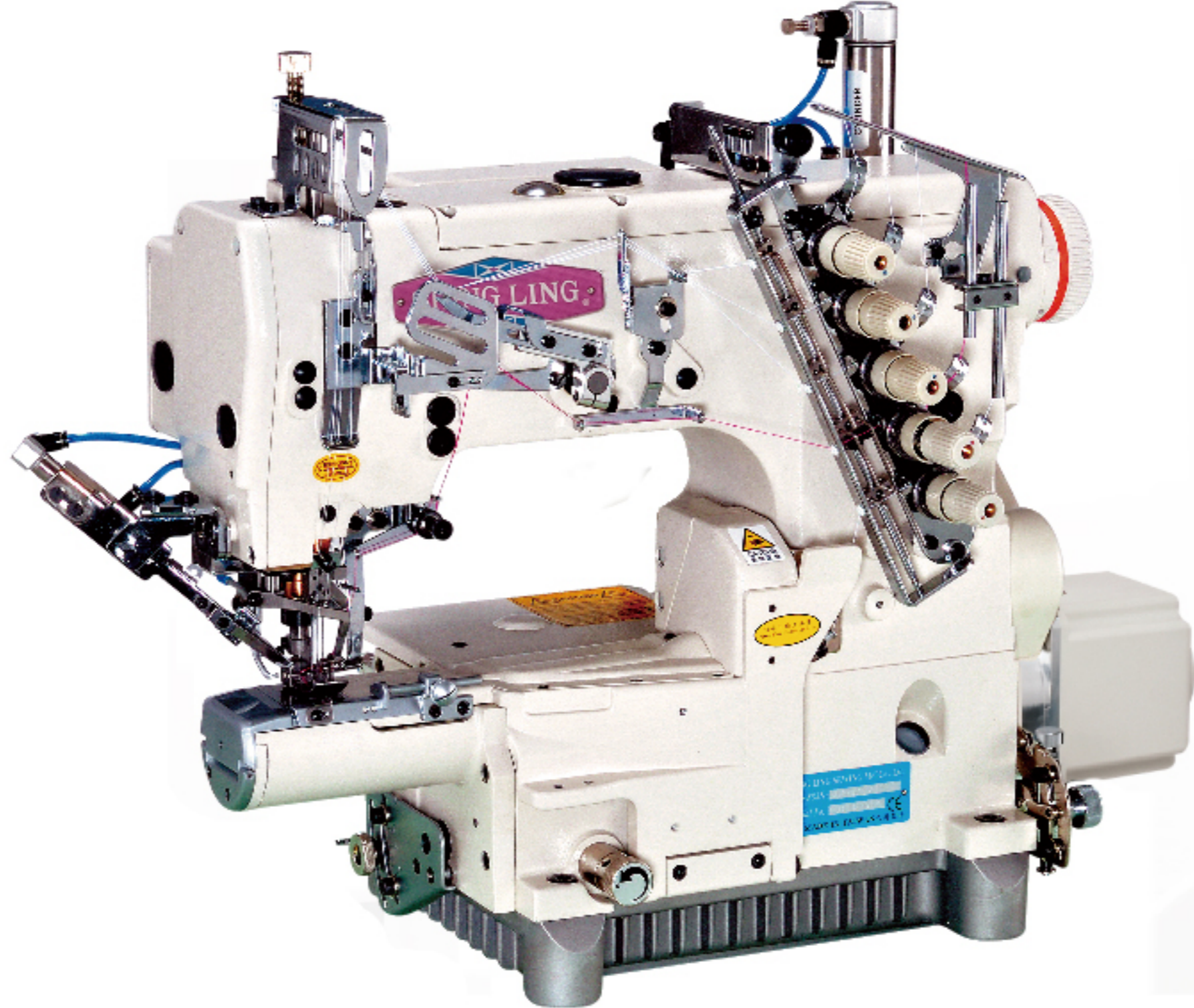
VG-999ES-AST-TF-DS

Extremely-Small Cylinder-bed Interlock Machine with Thread Trimmer and Top Feeder
 超細筒型三針五線雙面飾綳縫機



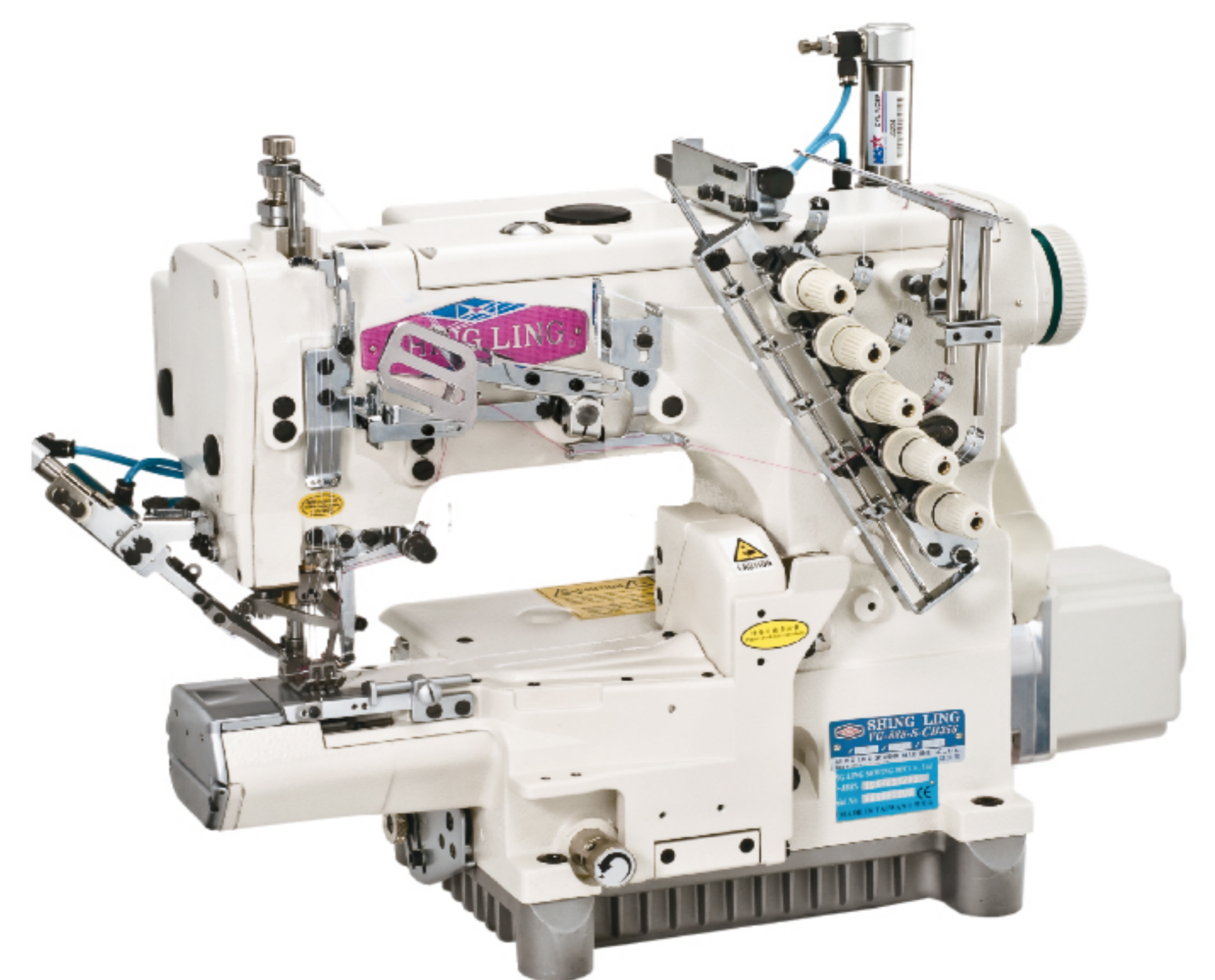
VG-888S-TF-AST

Small Cylinder-bed Interlock Machine with Thread Trimmer and Top Feeder
 細筒型三針五線雙面飾綳縫機(附上送裝置)



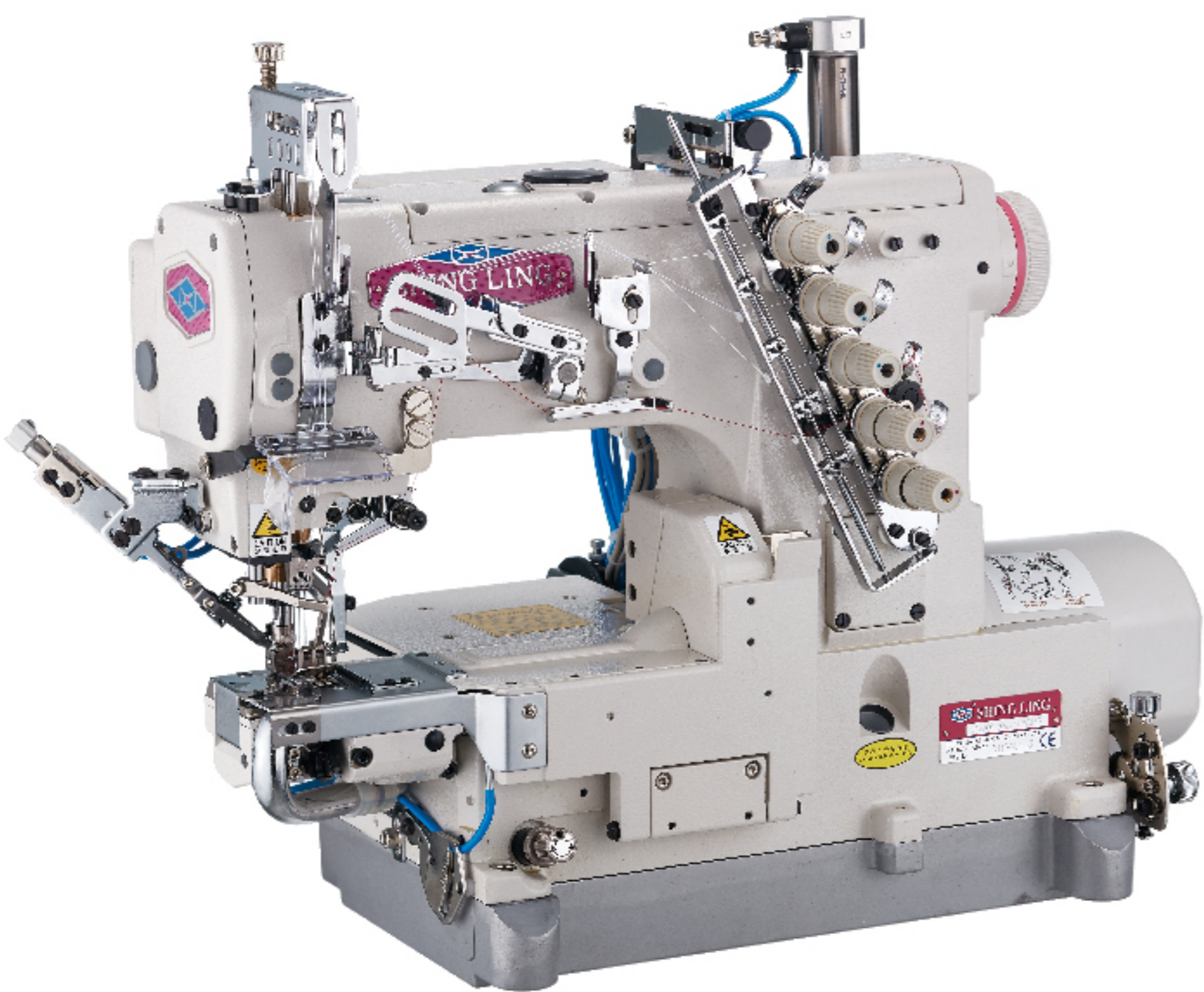
VG-888A-TF/AST

Top Feeder for 3-needle 5-thread Cylinder-bed Interlock Machine
 橫筒型三針五線雙面飾綳縫機(附上送裝置)



VG-999S-N700-AST-TF-DS

Small Cylinder-bed Interlock Machine with Left hand Knife and Top Feeder for Hemming
 細筒型三針五線雙面飾綳縫機(附左修刀)



VG-888A-N600-TF/AST

Interlock Machine with Left-hand Knife and Thread Trimmer for Hemming
 橫筒型附左修刀雙面飾綳縫機



SL-1790S

Computer-controlled High-speed Lockstitch Buttonholing Machine
 高速電子平頭鎖眼機



VG-999-SB-AST/EST-DS

High-speed Short Cylinder-bed Interlock Machine with Thread Trimmer
 短筒型三針五線雙面飾綳縫機



VG-999-R500-AST-RP

Interlock Machine with Right-hand Knife and Rear Puller for Elastic Waistband Attaching
 高速橫筒型三針五線附右修刀雙面飾綳縫機



VG-999-356/EST/DS/ZBR

Dual Colors Decorative Stitches Interlock Machine with Top and Under Thread Trimmer
 高速橫筒型三針五線雙色上飾綳縫機

