

VG-999-N800

零件手冊

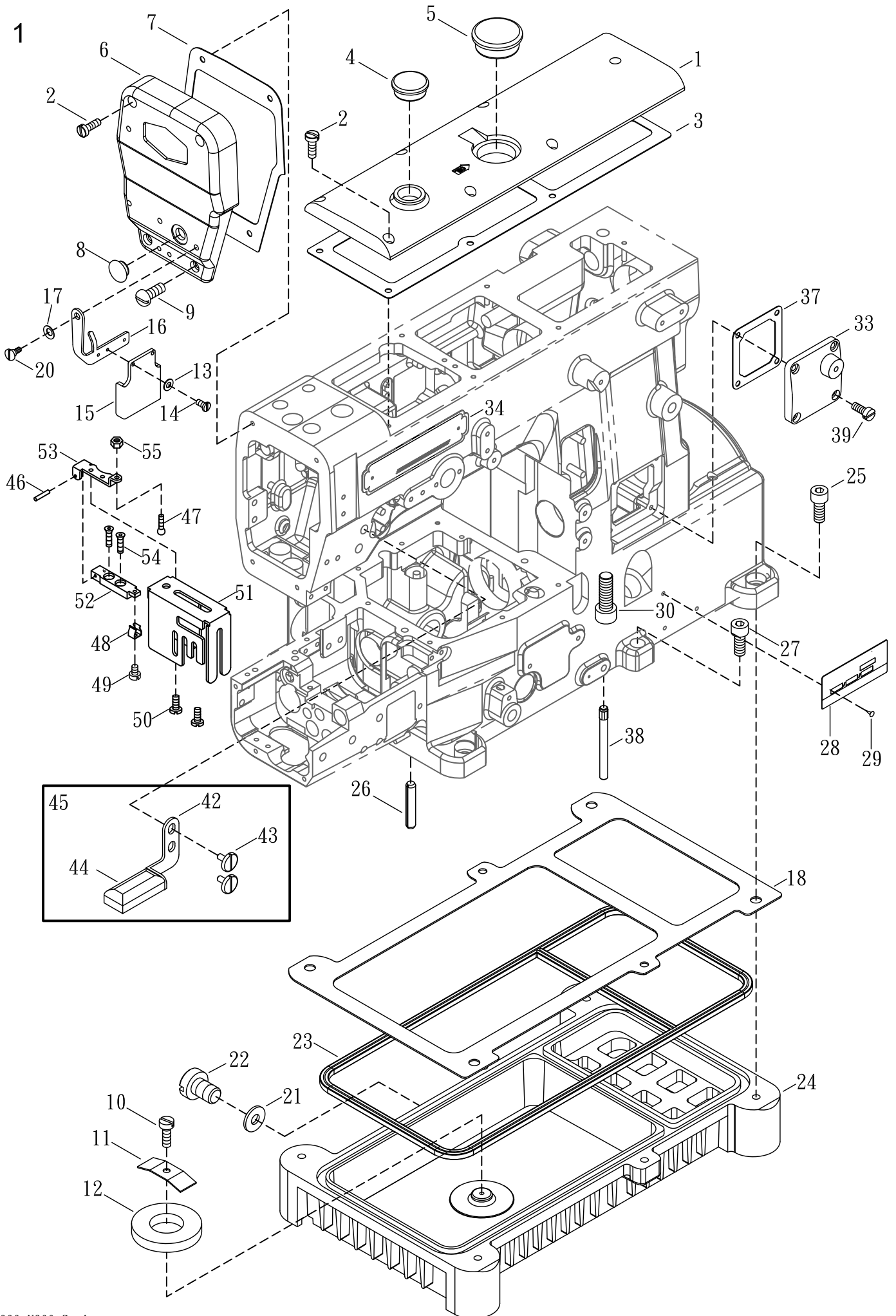


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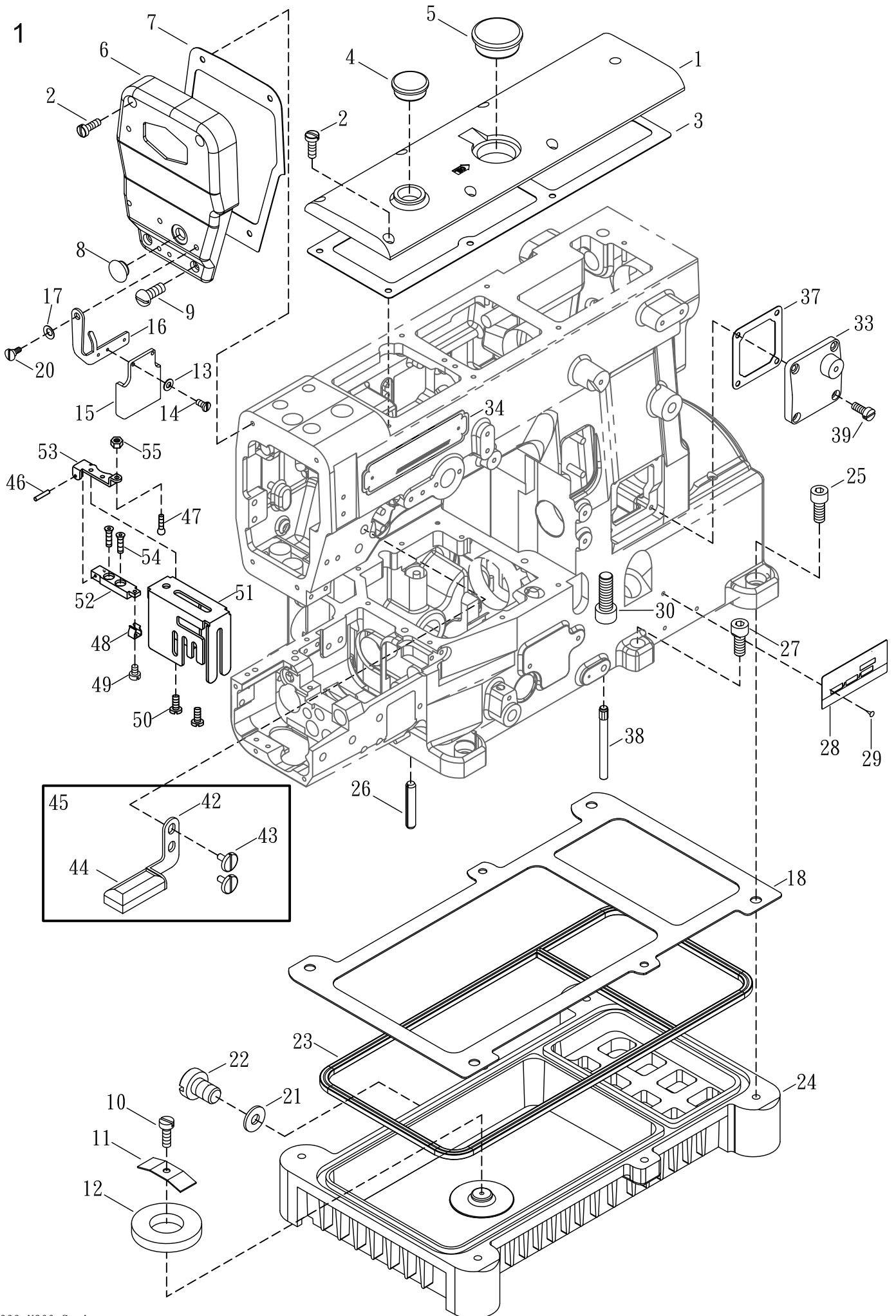


**MISCELLANEOUS COVERS (1)**

**機殼及外蓋(1)**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1	N0101	Top Cover	上蓋	1
2	SV241	Screw ( M4 - 0.7 × 14 )	螺絲	9
3	N0103-1	Top Cover Gasket	防油墊片	1
4	N0104	Oil Sigh Window	外視油鏡	1
5	N0105	Head Cover Seal Plug	膠塞	1
6	NA0106-1	Head Cover	上側蓋	1
7	N0107-1	Head Cover Gasket	防油墊片	1
8	RV09	Head Cover Seal Plug	膠塞	1
9	SF220	M4-0.7×10	螺絲	2
10	SV232	Screw ( M4 - 0.7 × 10 )	螺絲	1
11	VA26	Fixed plate	磁鐵固定壓板	1
12	VA27	Magnet Holder	磁鐵	1
13	GE47	Washer	墊圈	2
14	GK08	Screw ( M3 - 0.5 × 5.6 )	螺絲	2
15	N0448	Eye Guard	護目鏡片	1
16	NA0149	Eye Guard Holder	護目鏡支架	1
17	M0213	Washer	波浪華司	1
18	N0118	Oil Reservoir Gasket	油槽止油片	1
19	N0119	Alumium Seal Plug	鋁封塞	1
20	M0214	Screw ( M4-0.7 x 4 )	螺絲	1
21	RF25	Oil Ring	O形油環	1
22	SF160	Screw ( SM3/8 - 24 × 12 )	螺絲	1
23	N0123-2	Oil Reservoir Gasket	油槽止油環	1
24	N0124	Oil Reservoir	油槽	1
25	L0212Ni	Screw ( M8 - 1.25 )	螺絲	4
26	VA28	Machine Frame Supporting Bar	機體腳樁	3
27	GA29	Screw ( M6 - 1.0 × 20 )	螺絲	2
28		Brand Name Plate	型號銘牌	1
29	FA11	Rivet ( 2 × 5 )	鉚釘	4
30	N0130	Screw ( M10 - 1.5 × 30 )	螺絲	4
31				
32				
33	N0133	Loop Thread Take-up Cover	提線輪組護蓋	1
34	N0134-1	Brand Name Plate	公司銘牌	
35				
36				
37	N0137-1	Head Cover Gasket	防油墊片	1
38	N0138	Machine Frame Supporting Bar	機體腳樁	1
39	SV221	Screw ( M4 - 0.7 × 8 )	螺絲	4
40				

\* Ref. No. 41 to 55 .....See the following page

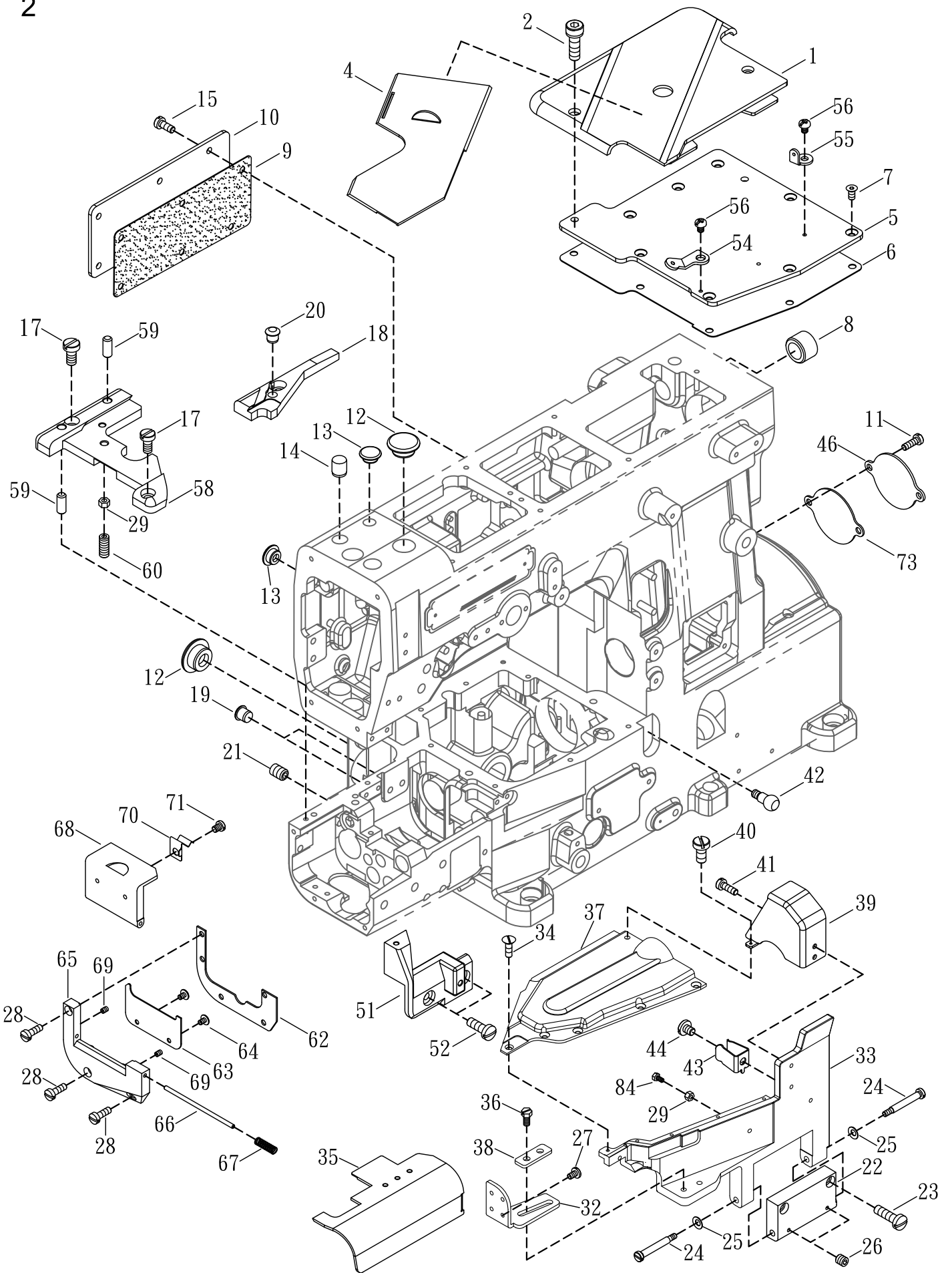


**MISCELLANEOUS COVERS (1)**

**機殼及外蓋(1)**

Ref. No.	Parts No.	Description	產 品 名 稱	1 Amt . Req .
41		Emblem	銘牌	
42	M0049	LED Lampholders	LED燈座	1
43	GJ39	Screw ( M6-1.0 x 10 )	螺絲	2
44	M0030-1	LED Light	LED燈	1
45	M0048	LED Complete Set	LED組	1
46	VA18	Pin	插銷	1
47	L0354	Screw ( SM1/8 - 44 )	螺絲	1
48	L0357	Cover Latch Spring	夾簧	1
49	SV206	Screw ( M2.5 - 0.45 × 3.5 )	螺絲	1
50	MEE040	Screw ( M3.5 - 0.6 ×4 )	螺絲	2
51	N0140B	Needle Bar Guard	針柱護罩	1
52	N0144	Cover Hinge(Lower)	護蓋鉸板(下)	1
53	N0145	Cover Hinge(Upper)	護蓋鉸板(上)	1
54	L0635N1	Screw ( M4 - 0.7 × 6 )	螺絲	2
55	NV11	Nut	螺帽	1

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

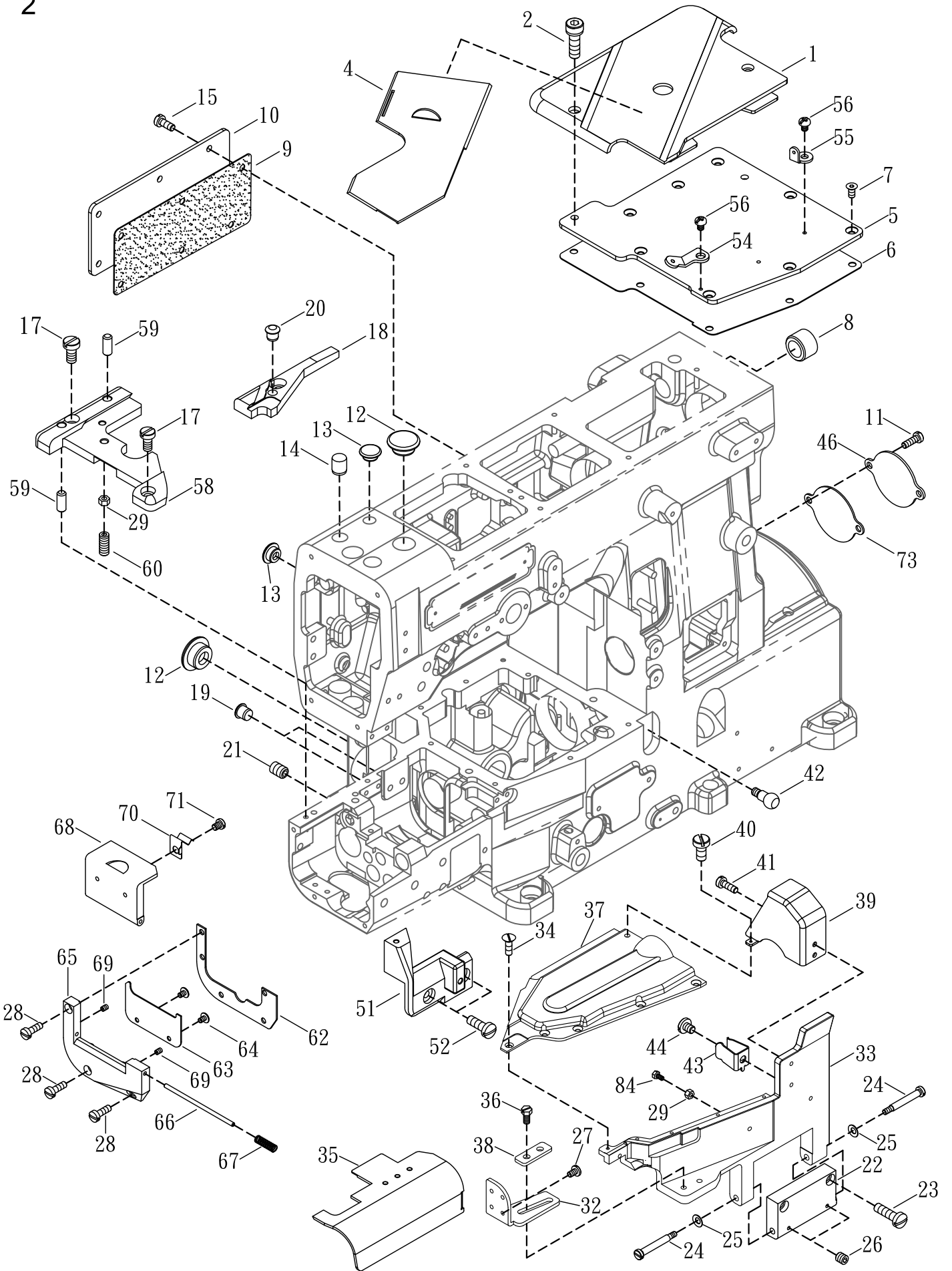


**MISCELLANEOUS COVERS (2)**

**機殼及外蓋 (2)**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1	N0201-2	Cloth Plate ( Large )	縫製平台	1
2	SF226	Screw ( M4 - 0.7 × 12 )	螺絲	2
3				
4	NB0204	Slide Cover	滑板	1
5	N0205-1	Crank Chamber Cover (Optional)	曲軸室上蓋 (普通用 選配)	1
6	N0206-3	Crank Chamber Cover Gasket	曲軸室墊片	1
7	MFS080	Screw ( M4 - 0.7 × 8 )	螺絲	1
8	N0208	Seal Plug	膠塞	1
9	N0209	Rear Cover Gasket	後蓋墊片	1
10	VB08	Rear Cover	後蓋	1
11	L0202NI	Screw ( M4 - 0.7 × 10 )	螺絲	2
12	N0212	Seal Plug	膠塞	2
13	RV09	Seal Plug	膠塞	2
14	GD28	Seal Plug	油封	1
15	SV232	Screw ( M4 - 0.7 × 10 )	螺絲	6
16				
17	SF220	Screw ( M4- 0.7 × 10 )	螺絲	2
18	N0218	Side Cover Supplementray Block	接片	1
19	F1613	Seal Plug	膠塞	2
20	N0220	Seal Plug	膠塞	1
21	SV264	Screw ( M6 - 1.0 × 8 )	螺絲	1
22	N0222	Front Cover Hinge	前蓋鉸鏈	1
23	SV241	Screw ( M4 - 0.7 × 14 )	螺絲	2
24	SV225	Screw ( M4 - 0.7 × 8 )	螺絲	2
25	VB29	Conical Spring Washer	錐形彈簧墊片	4
26	SV242	Screw ( M4 - 0.7 × 3 )	螺絲	2
27	18-21	Screw ( M4 - 0.7 × 6 )	螺絲	4
28	SV221	Screw ( M4 - 0.7 × 8 )	螺絲	3
29	NF27	Nut	螺帽	1
30				
31				
32	NB0232	Bracket	固定座	1
33	NB0233	Front Cover ( Lower )	前蓋底座	1
34	SV211	Screw ( M3 - 0.5 × 6 )	螺絲	5
35	NC0235	Knife Guard	刀架安全護蓋	1
36	GW07	Screw ( M5 - 0.8 × 16 )	螺絲	2
37	NB0237	Front Cover ( Upper )	前蓋頂座	1
38	F1524	Washer	方型墊片	1
39	N0239	Thread Take - up Cover ( Front )	提線護蓋	1
40	SV215	Screw ( M3 - 0.5 × 5 )	螺絲	1

\* Ref. No. 41 to 85 .....See the following page



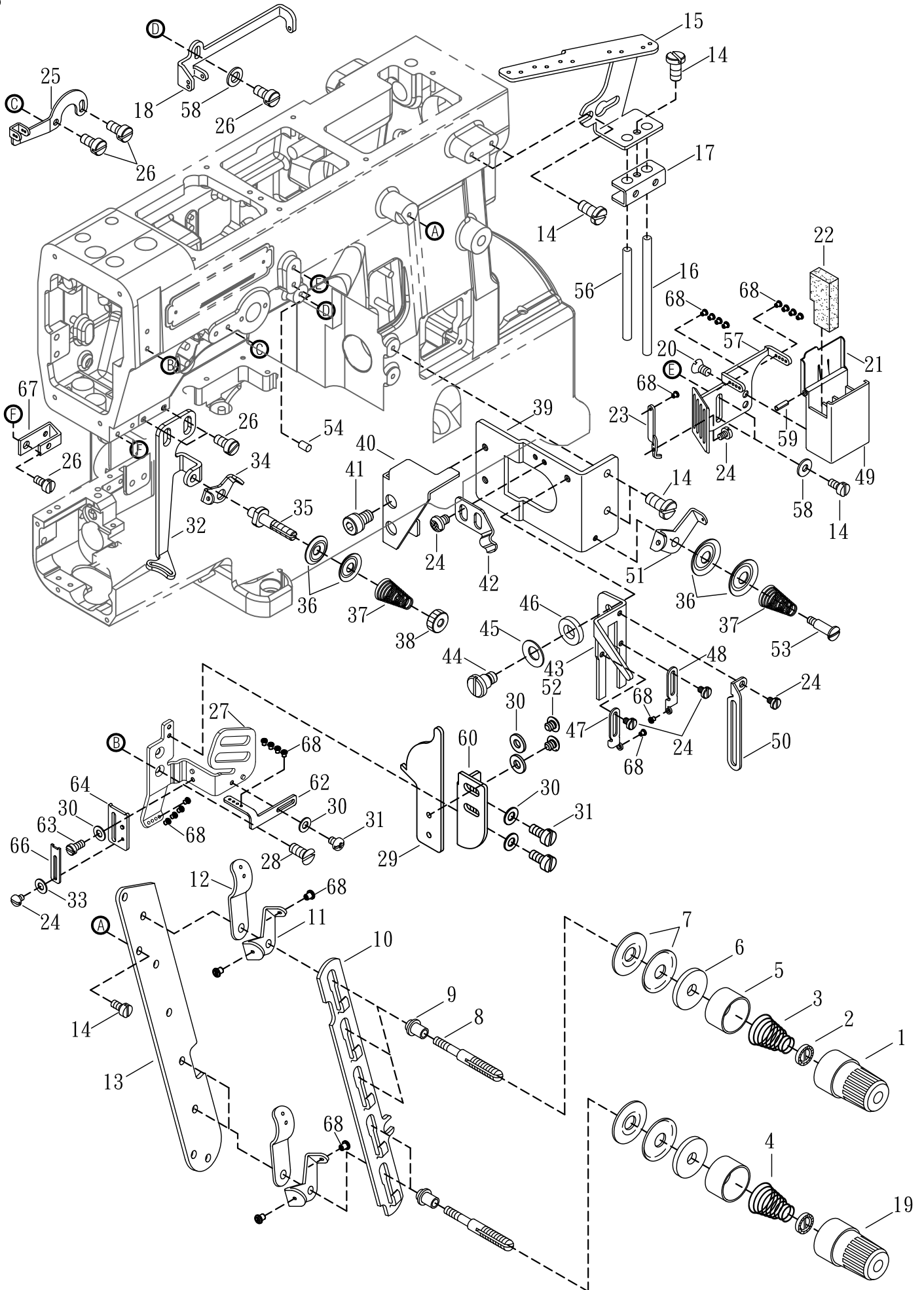
**MISCELLANEOUS COVERS (2)**

**機殼及外蓋 (2)**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
41	GJ36	Screw ( M4 - 0.7 × 5.8 )	螺絲	2
42	N0242-2	Screw	螺樁	1
43	N0243	Cover Latch Spring	夾簧	1
44	MFL080	Screw ( M4 - 0.7 × 8 )	螺絲	1
45				
46	N0246	Thread Take - up Cover ( Rear )	提線護蓋 ( 後 )	1
47				
48				
49				
50				
51	NC0251-1	Front Cover	圓筒側蓋(前)	1
52	SV229	Screw (M4 - 0.7 × 7)	螺絲	2
53				
54	F0360	Looper Thread Eyelet ( Right )	下飾線過線板 ( 右 )	1
55	VJ08	Looper Thread Eyelet	勾針過線片	1
56	SV210	Screw ( M3 - 0.5 × 4 )	螺絲	2
57				
58	NC0258-1	Stitch Plate Support	針板支架	1
59	N0259	Knock Pin	固位銷	2
60	N0260	Screw ( M4 - 0.7 × 10 )	螺絲	1
61				
62	NC0262	Cylinder Side Cover Casket	圓筒下側蓋墊片	1
63	N0263	Cylinder Side Cover ( Lower )	圓筒下側蓋	1
64	N0264	Screw ( M3 - 0.5 × 4.5 )	螺絲	2
65	TNC0265	Cylinder Side Cover Hinge	圓筒側蓋樞鈕	1
66	N0266	Side Cover Hinge Pin	樞鈕插銷	1
67	N0267	Spring	彈簧	1
68	NC0268	Cylinder Side Cover ( Upper )	圓筒上側蓋	1
69	N2931	Screw ( M3 - 0.5 × 3 )	螺絲	2
70	N0270	Cover Latch Spring	夾簧	1
71	GB35	Screw ( M4 - 0.7 × 5 )	螺絲	1
72				
73	N0273	Washer	墊片	1
74				
75				
81				
84	N0284	Screw (M4 - 0.7 × 8 )	螺絲	1
85				

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

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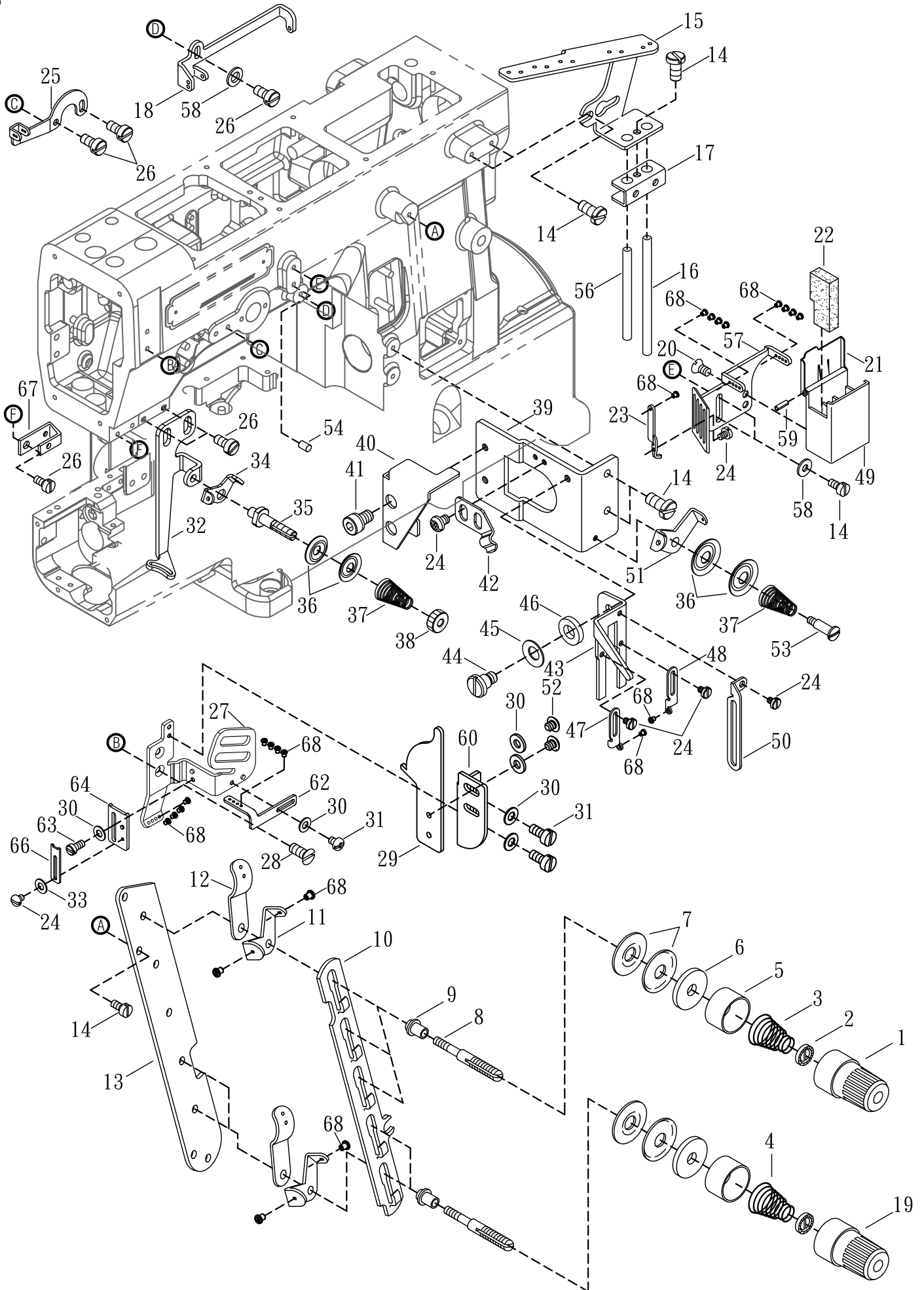
**MISCELLANEOUS THREAD EYELETS**

**過線裝置及附件**

Ref. No.	Parts No.	Description	產品名稱	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)	5
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	9
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	墊圈	2
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	N0340	Thread Take - up Cover ( Rear )	提線護蓋 ( 後 )	1

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

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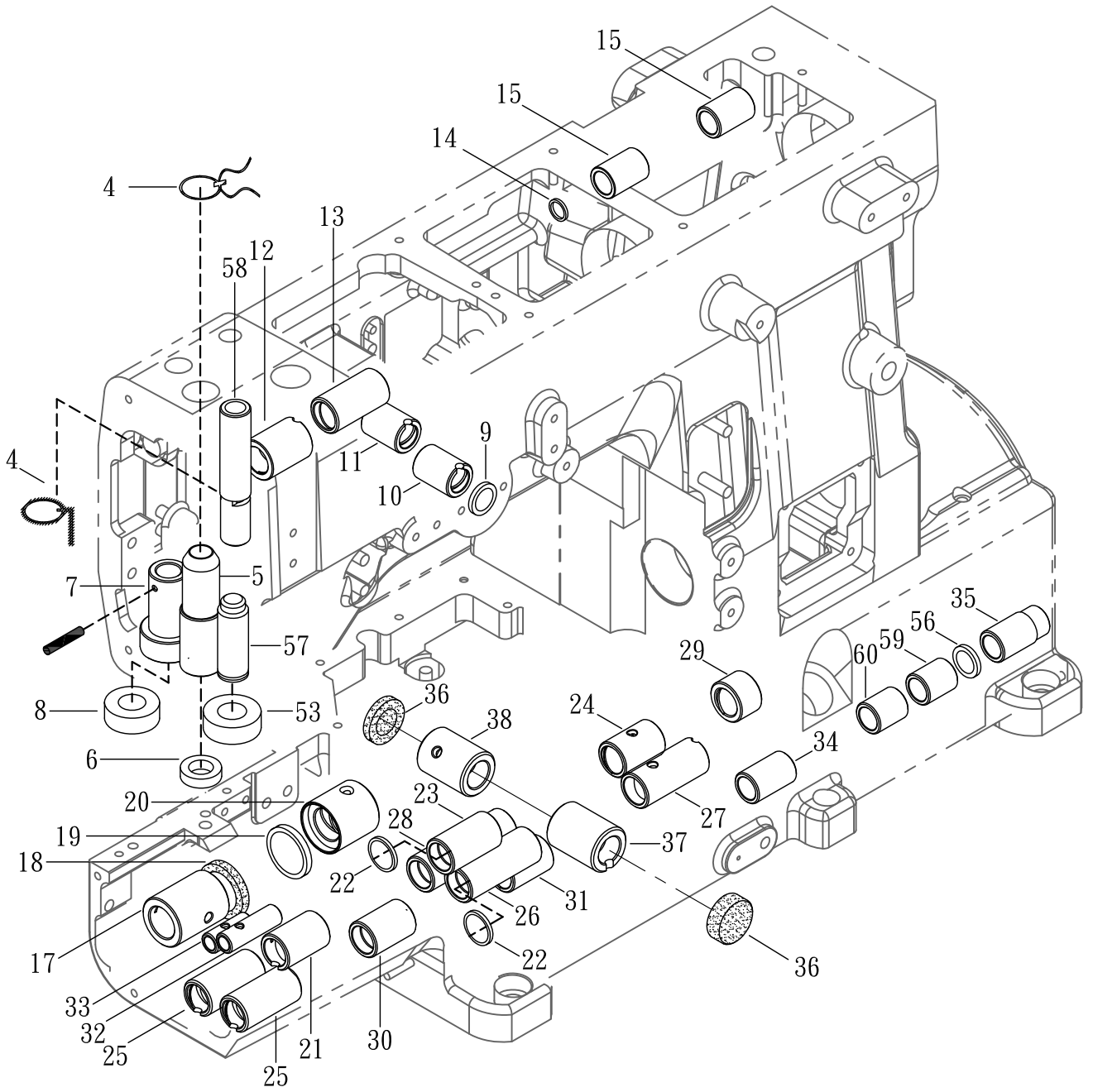


**MISCELLANEOUS THREAD EYELETS**

**過線裝置及附件**

Ref. No.	Parts No.	Description	產 品 名 稱	3 Amt . Req .
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 )	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	下節線托線板	1
51	VC46	Looper Thread Eyelet	下勾針過線板	1
52	18-26NI	Screw ( M3 - 0.5 × 4 )	螺絲	2
53	SV218	Screw ( M3 - 0.5 )	螺絲	1
54	VC30	Guide Pin	固定插銷	1
55	GE47	Washer	墊片	2
56	VC18	Thread Eyelet Pipe ( Short )	過線導管 ( 短 )	1
57	N0357-1	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				
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 40 .....See the preceding page.



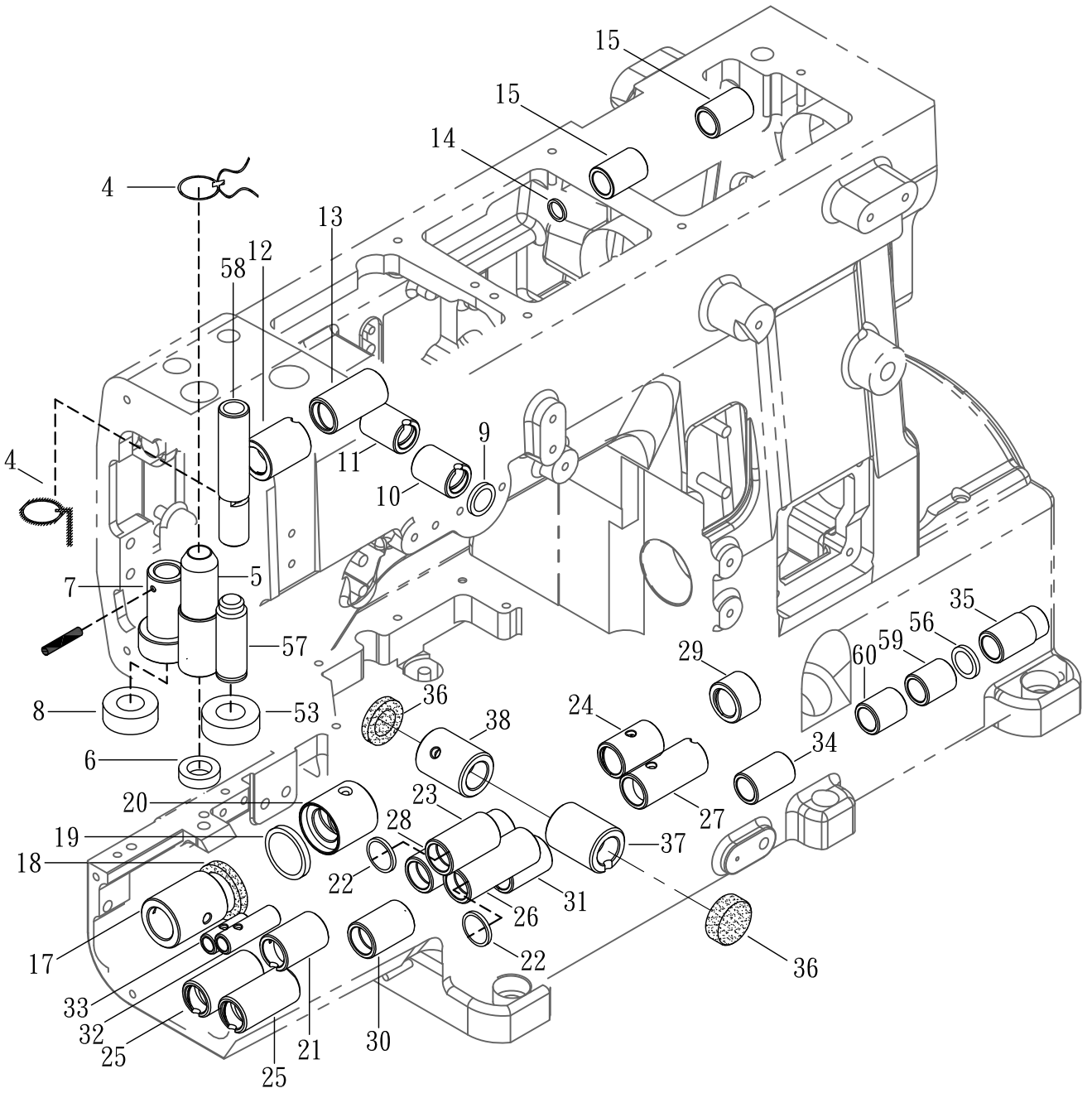
**MISCELLANEOUS BUSHINGS & EYE GUARD**

**套管裝置及護目鏡**

**4**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1				
2				
3				
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 (Front)	針線揚線桿套管 (前)	1
11	N0411-1	Needle Thread Take-up Bushing (Rear)	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
16				
17	N0417-1	Lower Shaft Bushing ( Left )	下傳動軸套管 (左)	1
18	N0418	Oiling Felt	給油棉	1
19	N0419-1	Oil Seal	止油環	1
20	N0420-1	Lower Shaft Bushing ( Right )	下傳動軸套管 (右)	1
21	N0421-1	Feed Bar Lift Shaft Bushing ( Left )	送料具傳動軸套管 (左)	1
22	N0422	Oil Seal	止油環	2
23	N0423-1	Feed Bar Lift Shaft Bushing ( Center )	送料具傳動軸套管 (中)	1
24	N0424-1	Feed Bar Lift Shaft Bushing ( Right )	送料具傳動軸套管 (右)	1
25	N0425-1	Differential Feed Bar Shaft Bushing(Left)	差動送料具傳動軸套管 (左)	2
26	N0426-1	Differential Feed Bar Shaft Bushing (Center)	差動送料具傳動軸套管 (中)	1
27	N0427-1	Differential Feed Bar Shaft Bushing(Right)	差動送料具傳動軸套管 (右)	1
28	N0428-1	Feed Bar Lift Shaft Bushing ( Center )	送料具傳動軸套管 (中)	1
29	N0429-1	Feed Bar Lift Shaft Bushing ( Right )	送料具傳動軸套管 (右)	1
30	N0430	Main Feed Lever Shaft Bushing ( Left )	送料具傳動軸套管 (左)	1
31	N0431	Foot Lifter Lever Bushing	抬壓腳連桿套管	1
32	N0432	Needle Guard Holder Bushing ( Front )	頂針組套管 (前)	1
33	N0433	Needle Guard Holder Bushing ( Rear )	頂針組套管 (後)	1
34	N0434-1	Micro Differentiaial Feed Adjustment Bushing (Left)	微調差動軸套管 (左)	1
35	N0435-2	Micro Differentiaial Feed Adjustment Bushing (Right)	微調差動軸套管 (右)	1
36	VD21	Seal Plug	止油封塞	1
37	N0437-2	Looper Driving Shaft Bushing ( Front )	下勾針傳動軸套管 (前)	1
38	N0438-2	Looper Driving Shaft Bushing ( Rear )	下勾針傳動軸套管 (後)	1
39				
40				

\* Ref. No. 41 to 60 .....See the following page



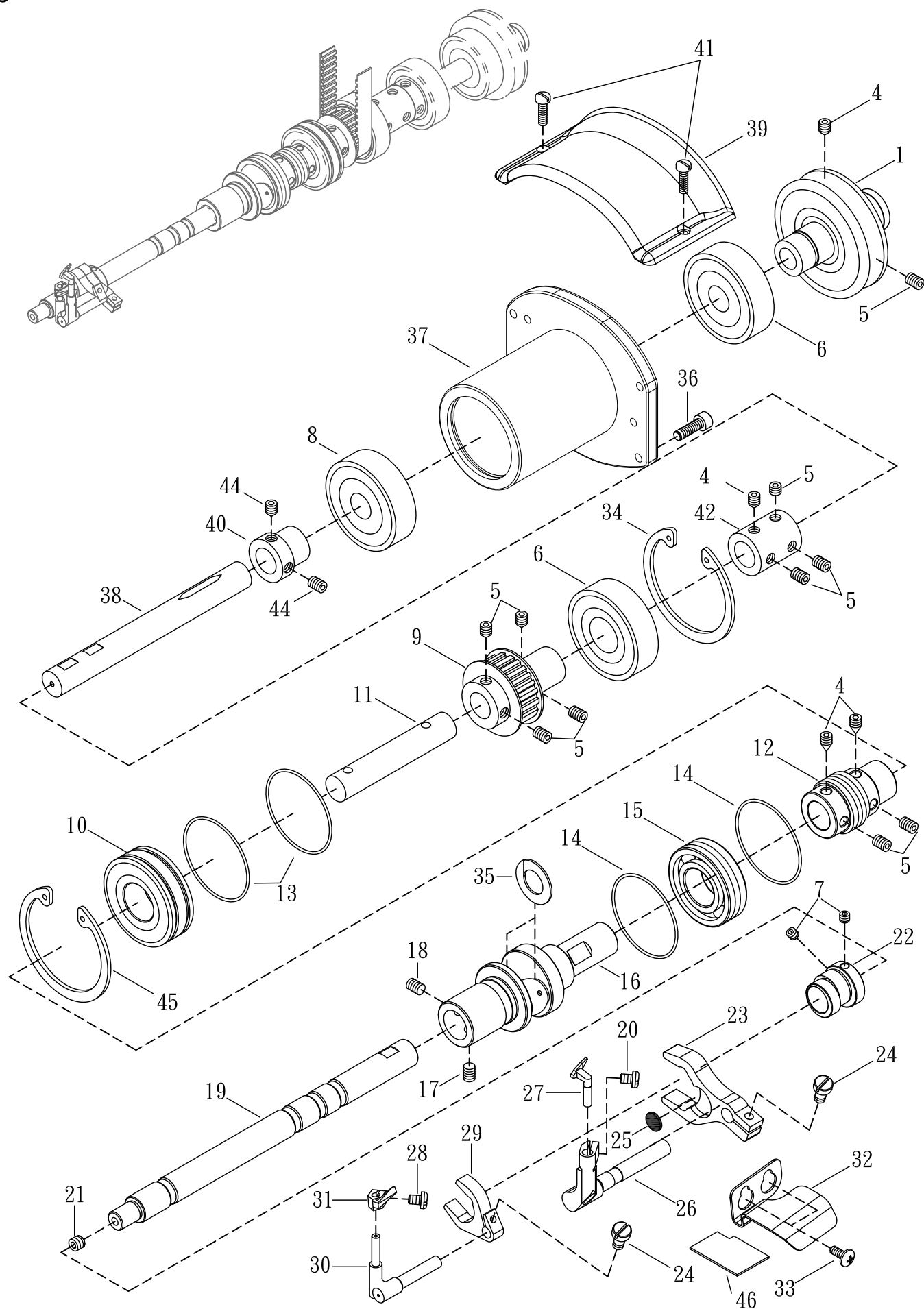
MISCELLANEOUS BUSHINGS & EYE GUARD套管裝置及護目鏡

4

Amt .  
Req .

<u>Ref. No.</u>	<u>Parts No.</u>	<u>Description</u>	<u>產 品 名 稱</u>	
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53	N1048	Oil Seal	止油環	1
54				
55				
56	N0456	Oil Seal	止油環	1
57	N0457	Needle Bar Bushing ( Lower )	針柱套管 ( 下 )	1
58	N0458	Needle Bar Bushing ( Upper )	針柱套管 ( 上 )	1
59	N0459-1	Micro Differentiaial Feed Adjustment Bushing (Center)	微調差動軸套管 ( 中 )	1
60	N0460-1	Micro Differentiaial Feed Adjustment Bushing (Center)	微調差動軸套管 ( 中 )	1

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



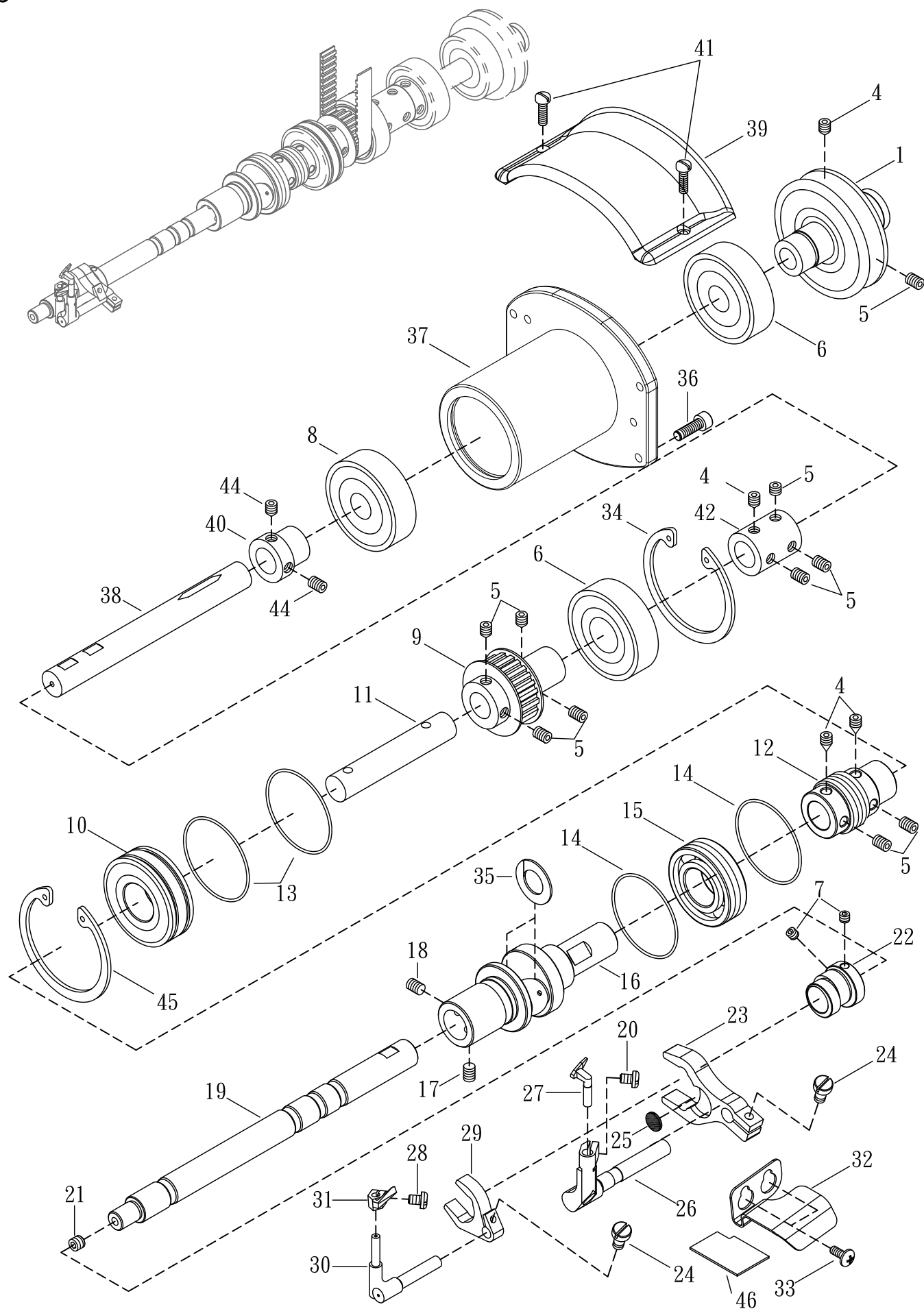


**MAIN SHAFT DRIVING MECHANISM**

**下主軸傳動機構**

Ref. No.	Parts No.	Description	產 品 名 稱	5 Amt. Req.
1	N0501	Pulley	皮帶輪 (普通用 選配)	1
2				
3				
4	SV261	Screw ( M6 - 1.0 × 8 ) 尖頭	螺絲	4
5	SF240	Screw ( M6 - 1.0 × 6 )	螺絲	10
6	VE06	Ball Bearing ( Right ) (Optional)	滾珠培林 ( 右 ) (普通用 選配)	1
7	SF228	Screw ( M4 - 0.7 × 4 )	螺絲	2
8	VE10	Ball Bearing ( 47 × 20 )	滾珠軸承	1
9	N0509-2	Shaft Sprocket ( Lower )	齒形皮帶輪	1
10	M0634	Ball Bearing ( 47 × 20 )	滾珠培林	1
11	N1811	Lower Shaft ( Center )	下傳動軸 ( 中 )	1
12	N0512	Oil Pump Driving Worm	油泵傳動螺桿	1
13	L0528	O Ring	O型環	2
14	GE59	O Ring	O型環	2
15	GE11-3	Ball Bearing ( Left )	滾珠培林 ( 左 )	1
16	N0516	Lower Crank shaft	下曲軸	1
17	SV260	Screw ( M6 - 1.0 × 5 )	螺絲	1
18	N0518	Screw ( M6 - 1.0 × 4 )	螺絲	1
19	N0519-3	Lower Shaft ( Left )	下傳動軸 ( 左 )	1
20	SF211	Screw ( M3 - 0.5 × 6 )	螺絲	1
21	SV250	Screw ( M5 - 0.8 × 5 )	螺絲	1
22	N0522	Needle Guard ( Front ) Eccentric	頂針片 ( 前 ) 偏心輪	1
23	N0523	Needle Guard ( Front ) Lever	頂針擺動曲柄 ( 前 )	1
24	N0524	Screw ( M3 - 0.5 × 10 )	螺絲	2
25	N0525	HR Felt	吸油氈	1
26	N0526-1	Needle Guard ( Front ) Holder	頂針片 ( 前 ) 固定座	1
27	N0527	Needle Guard ( Front )	頂針片 ( 前 )	1
28	MDA060	Screw ( M3 - 0.5 × 6 )	螺絲	1
29	N0529	Needle Guard ( Rear ) Lever	頂針擺動曲柄 ( 後 )	1
30	N0530-1	Needle Guard ( Rear ) Holder	頂針片 ( 後 ) 固定座	1
31	N0531	Needle Guard ( Rear )	頂針片 ( 後 )	1
32	N0532	Dust - Proof Plate	防塵蓋	1
33	SV220	Screw ( M4 - 0.7 × 3.5 )	螺絲	2
34	VE07	Retaining Ring	扣環	1
35	N0535	Anti-shock Rubber	避震膠墊	2
36	SV253	Screw ( M5 - 0.8 × 16 )	螺絲	4
37	N0537	Ball Bearing Base (Optional)	培林固定座 (普通用 選配)	1
38	N0538-1	Lower Shaft ( Right ) (Optional)	下傳動軸 (右) (普通用 選配)	1
39	N0539	Base Top Cover (Coptional)	固定座上蓋 (普通用 選配)	1
40	L0503	Collar	軸套	1

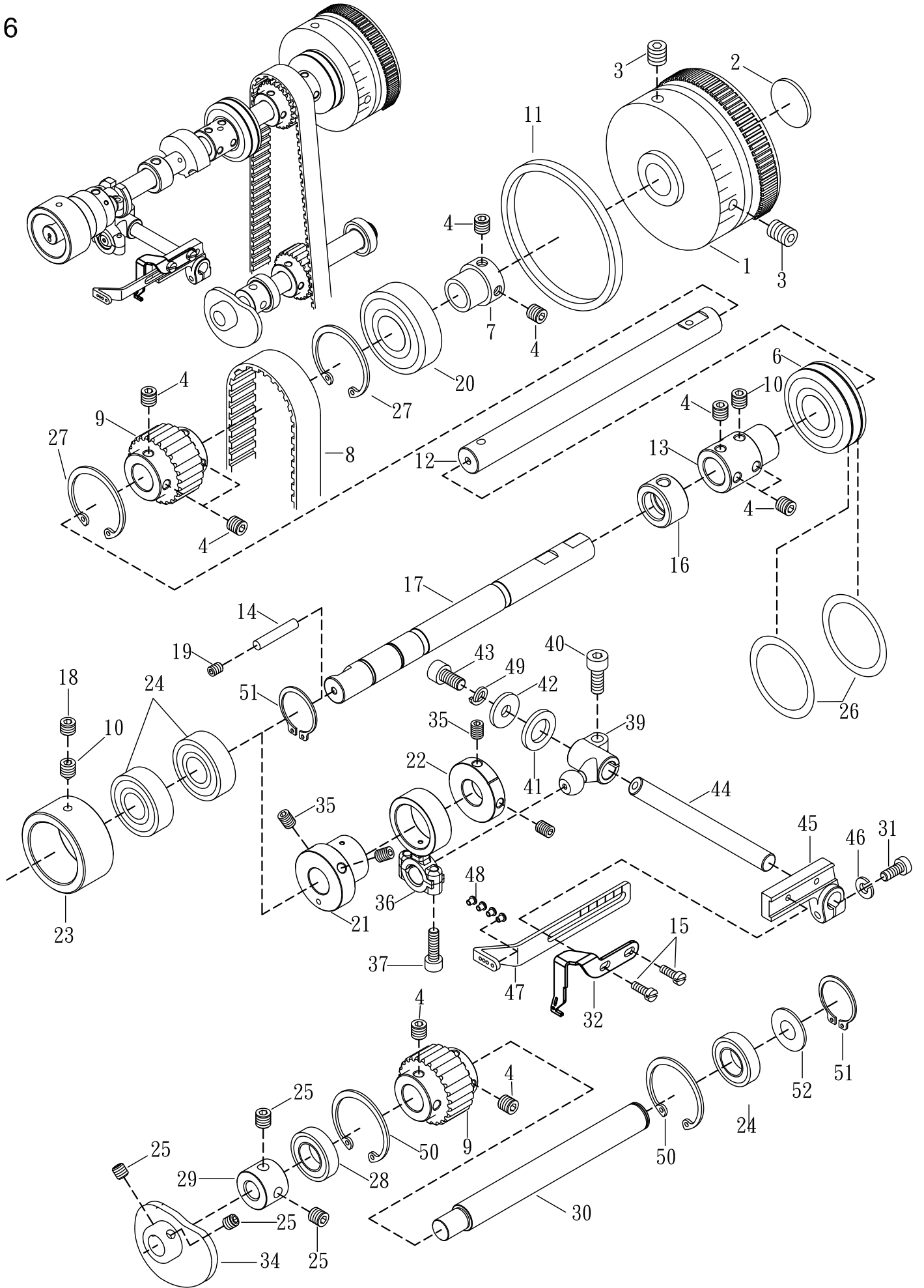
\* Ref. No. 41 to 46 .....See the following page



**MAIN SHAFT DRIVING MECHANISM****下主軸傳動機構**

<b>Ref. No.</b>	<b>Parts No.</b>	<b>Description</b>	<b>產 品 名 稱</b>	<b>5 Amt . Req .</b>
41	SF220	Screw ( M4 - 0.7 × 10 ) (Optional)	螺絲 (普通用 選配)	2
42	GE13	Lower Shaft Joint	下傳動軸連結套管	1
43				
44	M0604	Screw ( M6 - 0.75 × 5 )	螺絲	2
45	VE09	Retaining Ring	扣環	1
46	N0546	Felt	羊毛氈	1

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

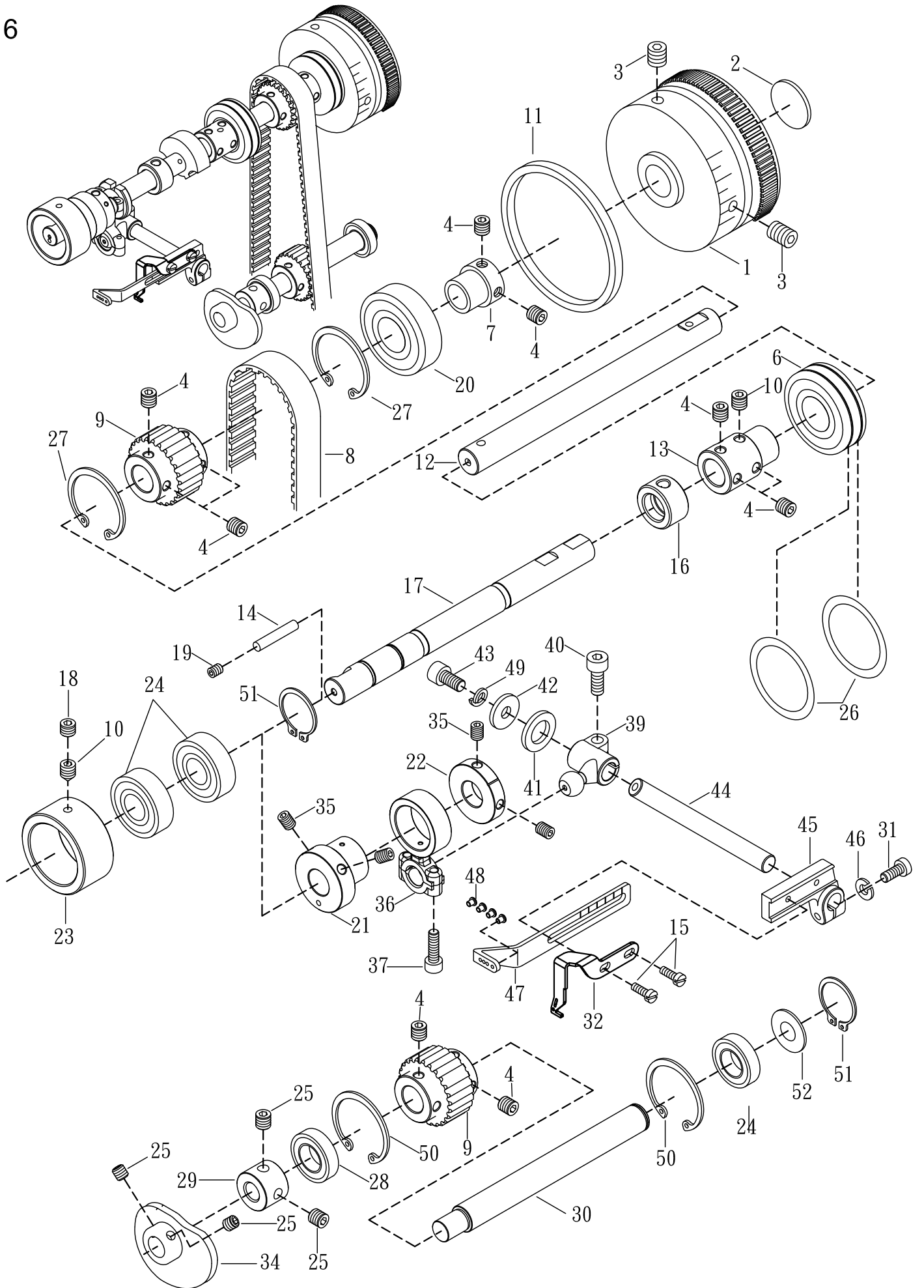


## UPPER SHAFT - MECHANISM

## 上軸機構

Ref. No.	Parts No.	Description	產 品 名 稱	6 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	11
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	1
14	N0614	Felt	吸油棉	1
15	SV221	Screw ( M4 - 0.7 × 8 )	螺絲	2
16	N0616	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	5
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	1
29	N0629	Collar	軸環	1
30	N0630	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				
39	N0639	Guide Fork	傳動桿	1
40	SV268	Screw ( M6 - 1.0 × 16 )	螺絲	1

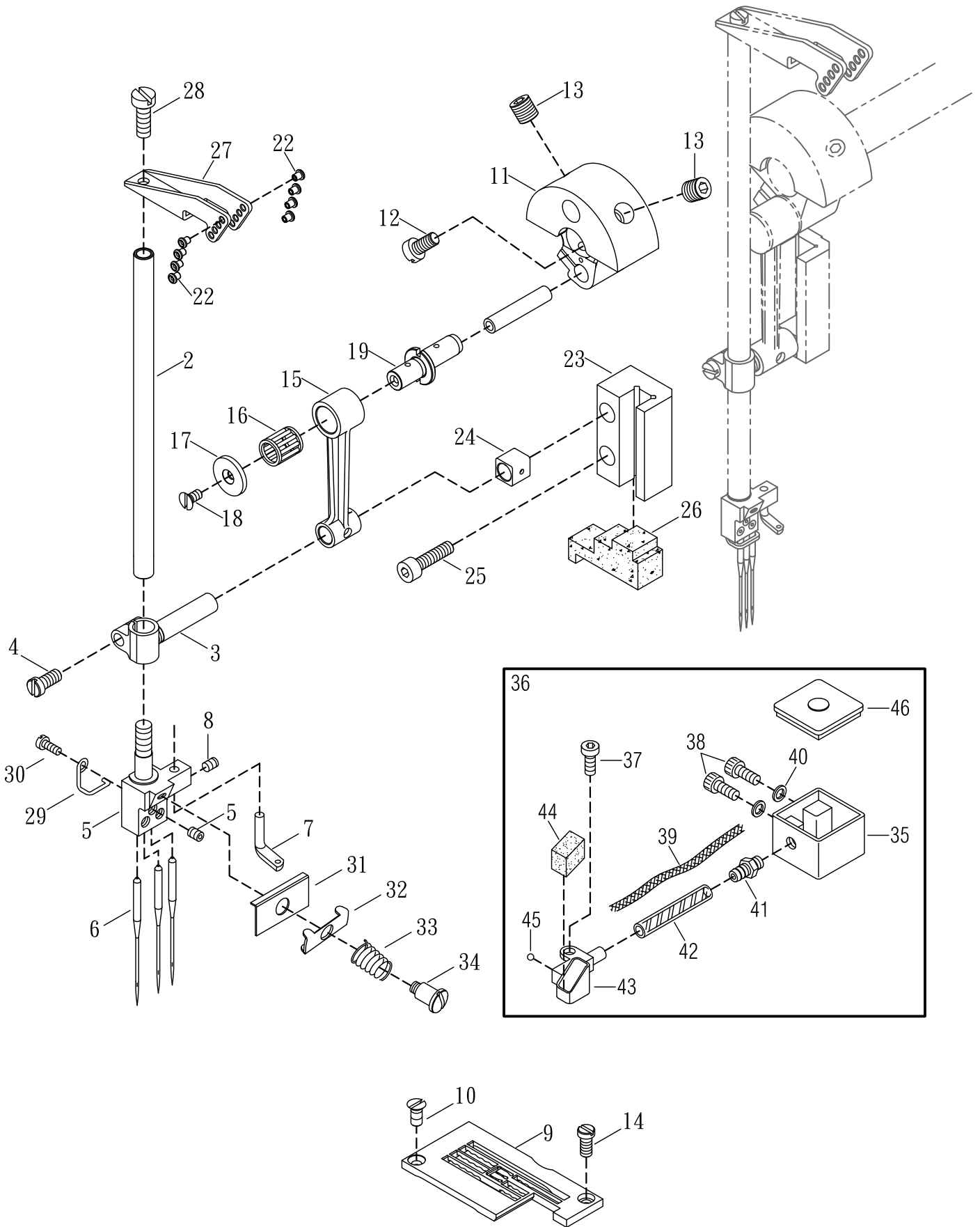
\* Ref. No. 41 to 52 .....See the following page



**UPPER SHAFT - MECHANISM****上軸機構**

Ref. No.	Parts No.	Description	產 品 名 稱	6 Amt . Req .
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 40 .....See the preceding page.



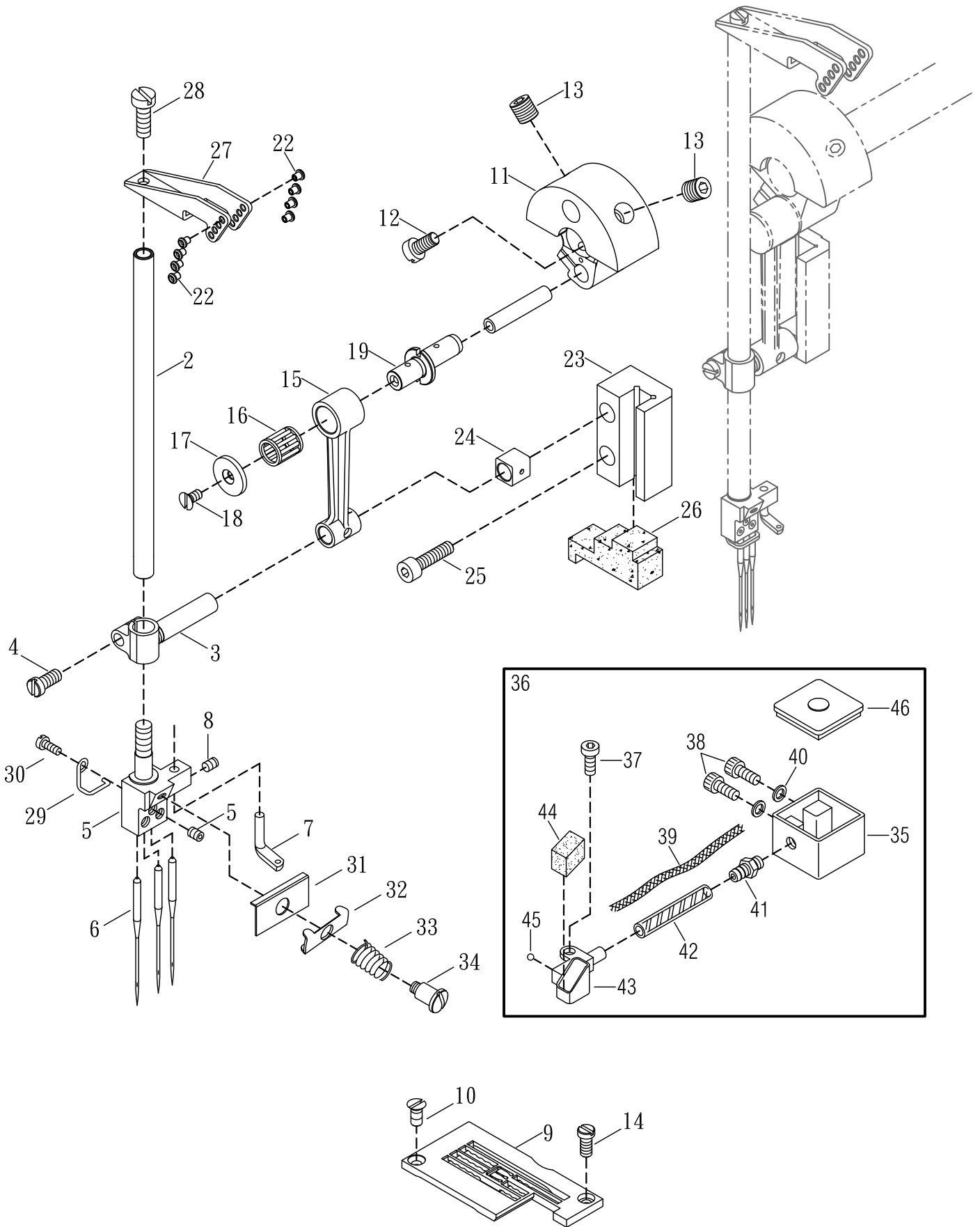


## NEEDLE BAR MECHANISM

## 針棒機構

Ref. No.	Parts No.	Description	產 品 名 稱	7 Amt. Req.
1				
2	GG04-2	Needle Bar	針柱	1
3	F0704-2	Needle Bar Bracket	針柱驅動架	1
4	MFB100	Screw ( M4 - 0.7 × 10 )	螺絲	1
	VG240-2	Needle Clamp ( 240 )(Optional)	針鐮 ( 2 針 4.0 )(選購)	
	VG248-2	Needle Clamp ( 248 )(Optional)	針鐮 ( 2 針 4.8 )(選購)	
	VG356-2	Needle Clamp ( 356 )(Optional)	針鐮 ( 3 針 5.6 )(選購)	
5	VG360	Needle Clamp ( 360 )(Optional)	針鐮 ( 3 針 6.0 )(選購)	1
	VG364-2	Needle Clamp ( 364 )(Optional)	針鐮 ( 3 針 6.4 )(選購)	
	VG452	Needle Clamp ( 452 )(Optional)	針鐮 ( 4 針 5.2 )(選購)	
	VG460-1	Needle Clamp ( 460 )(Optional)	針鐮 ( 4 針 6.0 )(選購)	
	VG464-3	Needle Clamp ( 464 )(Optional)	針鐮 ( 4 針 6.4 )(選購)	
6	UY×128 # 11	Needle(240、248、356、364、464)(Optional)	車針(選購)	3
	MY1014B	Needle (452、460)(Optional)	車針(選購)	4
7	FC38	Top Cover Thread Eyelet	上飾線過線桿	1
8	SF106	Screw ( SM1/8 - 44 × 2.8 )	螺絲	4
9	NC0709-356M	Stitch Plate ( 356 )(Optional)	針板 ( 3 針 5.6 )	1
10	GG14	Screw ( SM9/64 - 40 × 5 )	針板螺絲	1
11	N0711-1	Counterweight	平衡配重凸輪	1
12	N0712	Screw ( M5 - 0.8 × 10 )	螺絲	2
13	N0713	Screw ( M8 - 1.25 × 12 )	螺絲	2
14	SV310	Screw ( M3.5 - 0.6 × 8 )	螺絲	1
15	F0717	Connecting Rod	連桿	1
16	VG19	Roller Bearing	滾針培林	1
17	N0717	Connecting Rod Ring	連桿襯墊	1
18	SV211	Screw ( M3 - 0.5 × 6 )	螺絲	1
19	N0719-1	Connecting Rod Pin	連桿插銷	1
20				
21				
22	J0865-2	Ceramic	陶瓷	8
23	N0723	Needle Bar Guide	針柱定位導槽	1
24	VG22	Slide Block	針柱定位滑塊	1
25	MFP160	Screw ( M4 - 0.7 × 16 )	螺絲	2
26	N0726	Felt	吸油棉	1
27	N0727-1	Needle Bar Thread Eyelet	針柱頂線過線桿	1
28	SF114	Screw ( SM9/64 - 40 × 7.5 )	螺絲	1
29	N0729	Eyelet Spring	針鐮固定線	1
30	SF205	Screw ( M2.6 - 0.45 × 5 )	螺絲	1

\* Ref. No. 31 to 46 .....See the following page

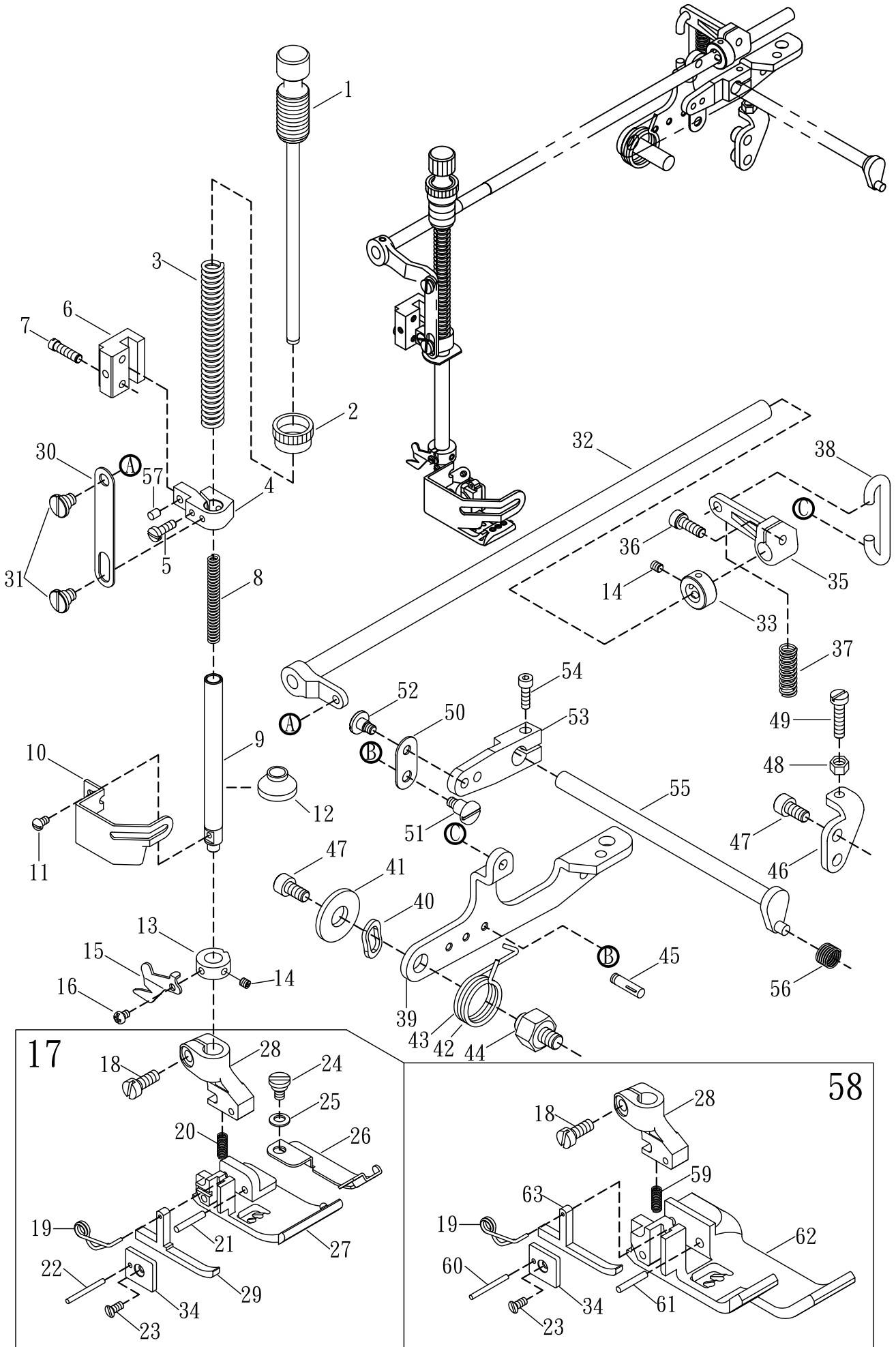


## NEEDLE BAR MECHANISM

## 針棒機構

Ref. No.	Parts No.	Description	產 品 名 稱	7 Amt . Req .
31	VC34	Thread Retainer Disc Support	針線張力導板	1
32	VC35	Needle Thread Retainer Disc	針線張力調整組壓板(小)	1
33	VC36	Needle Thread Retainer Spring	針線張力彈簧	1
34	SV108-1	Screw ( SM1/8 - 44 )	螺絲	1
35	N0735	HR Container	矽油盒	1
36	N0736	HR Device , Complete Set	擊針冷卻系統組	1
37	SV221	Screw ( M4 - 0.7 × 8 )	螺絲	1
38	SF225	Screw ( M4 - 0.7 × 10 )	螺絲	2
39	VG30	Felt	油線	1
40	SW03	Spring Washer	彈簧墊片	2
41	VG28	Pipe Joint	接合管	1
42	VG29	Oil Tube	油管	1
43	VG31	HR Cup	擊針冷卻杯	1
44	VG32	HR Felt	吸油氈	1
45	VG33	Seal Plug	止油珠塞	1
46	VG34	HR Cup Cap	矽油杯蓋	1

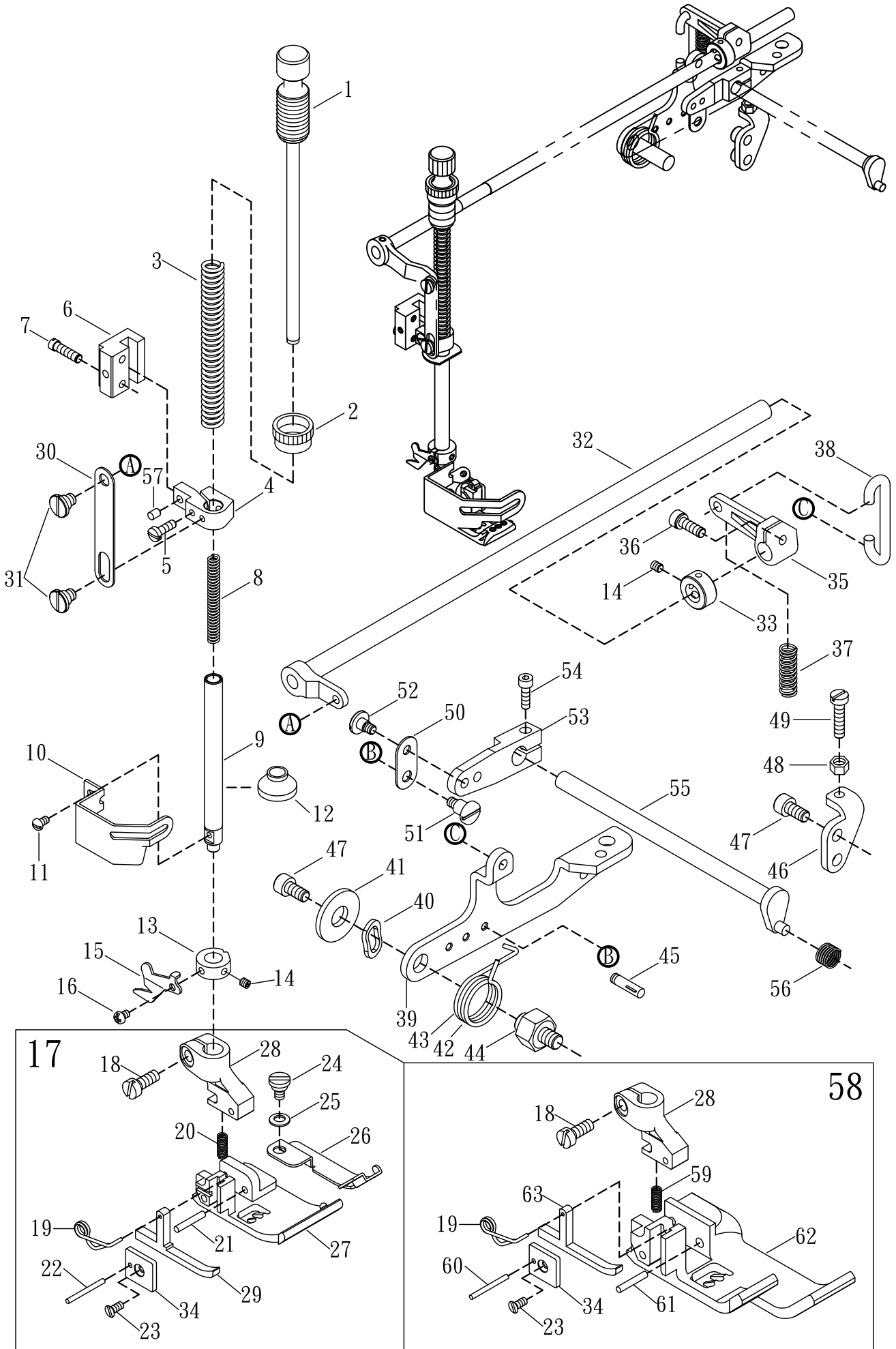
\* Ref. No. 1 to 30 .....See the preceding page.



**PRESSER FOOT MECHANISM****壓腳機構**

Ref. No.	Parts No.	Description	產 品 名 稱	8 Amt. Req.
1	N0801	Presser Spring Regulator	壓力調節樁	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	SV210	Screw ( M3 - 0.5 × 4 )	螺絲	1
17	VH240NA	Presser Foot(240)	壓腳組(240)(選配)	1
	VH248NA	Presser Foot(248)	壓腳組(248)(選配)	
	VH356NA	Presser Foot(356)	壓腳組(356)(標配)	
	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)	
18	SF116	Screw ( SM9 / 64 - 40 × 8 )	螺絲	1
19	VH16N3-1	Presser Foot Spring ( Left )	壓腳彈簧 ( 左 )	1
20	M0951	Presser Foot Spring	彈簧	1
21	VH06	Presser Foot Hinge Pin	壓腳結合插銷	1
22	VH08	Presser Foot Hinge Pin	壓腳結合插銷	1
23	SV103	Screw ( SM3 / 32 - 56 × 5 )	螺絲	4
24	SBA035	Screw ( SM3 / 32 - 56 × 3.5 )	螺絲	1
25	VH73	Washer	墊片	1
26	VH69N	Fabric Edge Guide	擋邊	1
27	VH240N1	Lower Presser Foot	壓腳底(240)	1
	VH248N1	Lower Presser Foot	壓腳底(248)	
	VH356N1-2	Lower Presser Foot	壓腳底(356)	
	VH364N1	Lower Presser Foot	壓腳底(364)	
	VH460N1	Lower Presser Foot	壓腳底(460)	
	VH464N1	Lower Presser Foot	壓腳底(464)	
28	VH57NI	Upper Presser Foot	壓腳頭	1
29	VH53N1-2	Left Presser Foot	T形船導片	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	Collor ( 8 mm × 16 mm × 8 mm )	定位環	1
34	VH59NI	Fixed Plate	方形固定片	1
35	N0835	Intermediate Lever	連接拉柄	1

\* Ref. No. 36 to 63 .....See the following page



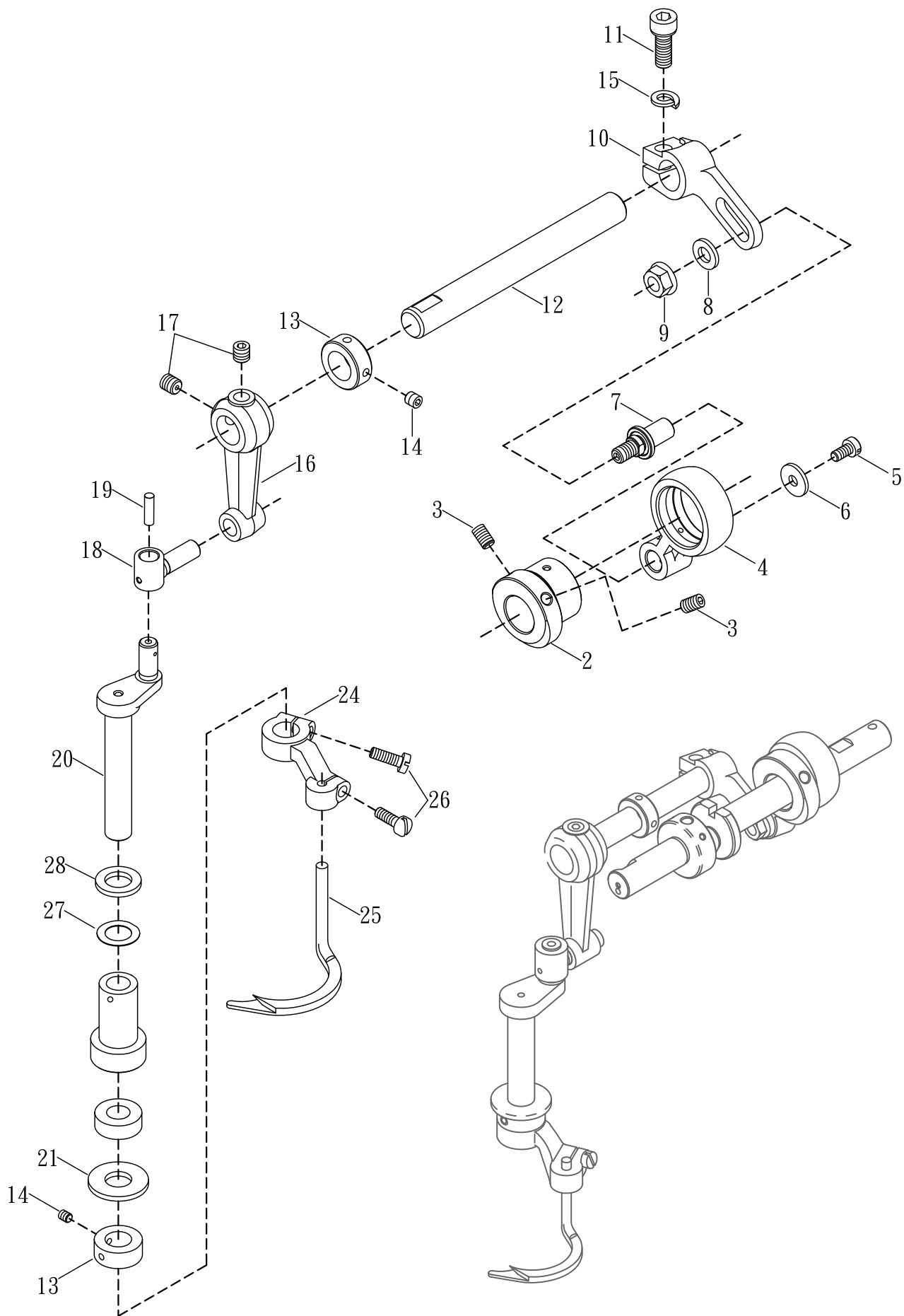
**PRESSER FOOT MECHANISM**

**壓腳機構**

**8**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
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
41	WF07	Washer	墊片	1
42	N0842	Lifter Spring	提升扭簧(電磁式用 選配)	1
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	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)	
59	VH21	Presser Foot Spring	彈簧	1
60	PF10	Presser Foot Hinge Pin	壓腳結合插銷	1
61	VH20	Presser Foot Hinge Pin	壓腳結合插銷	1
62	VH240NS	Lower Presser Foot	壓腳底(240)	1
	VH248NS	Lower Presser Foot	壓腳底(248)	
	VH356NS	Lower Presser Foot	壓腳底(356)	
	VH364NS	Lower Presser Foot	壓腳底(364)	
	VH460NS	Lower Presser Foot	壓腳底(460)	
	VH464NS	Lower Presser Foot	壓腳底(464)	
63	VH53N3	Left Presser Foot	T形船導片	1

\* Ref. No. 1 to 35 .....See the preceding page.



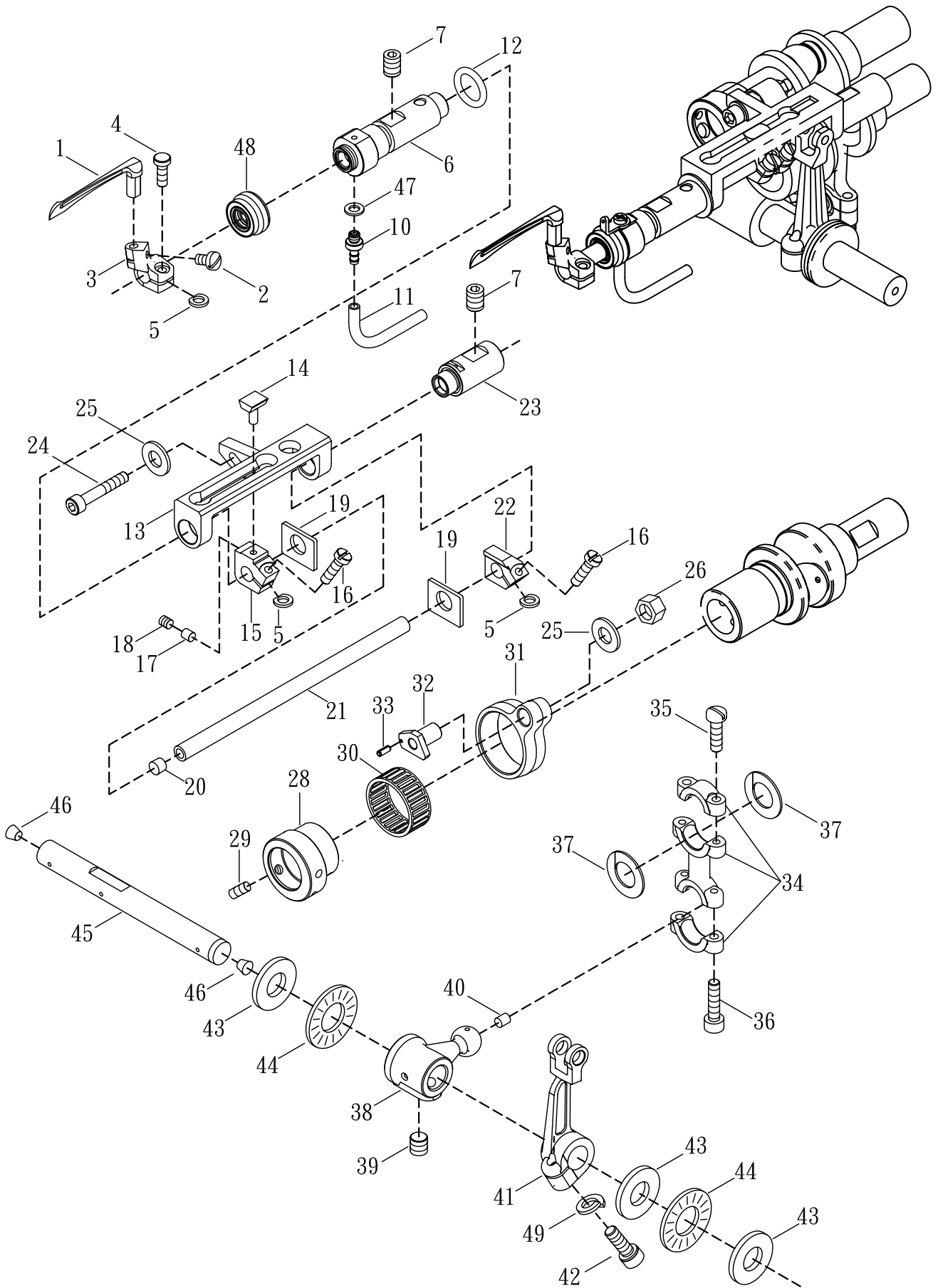


SPREADER MECHANISM上飾線勾針機構

9

Amt.  
Req.

Ref. No.	Parts No.	Description	產 品 名 稱	
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



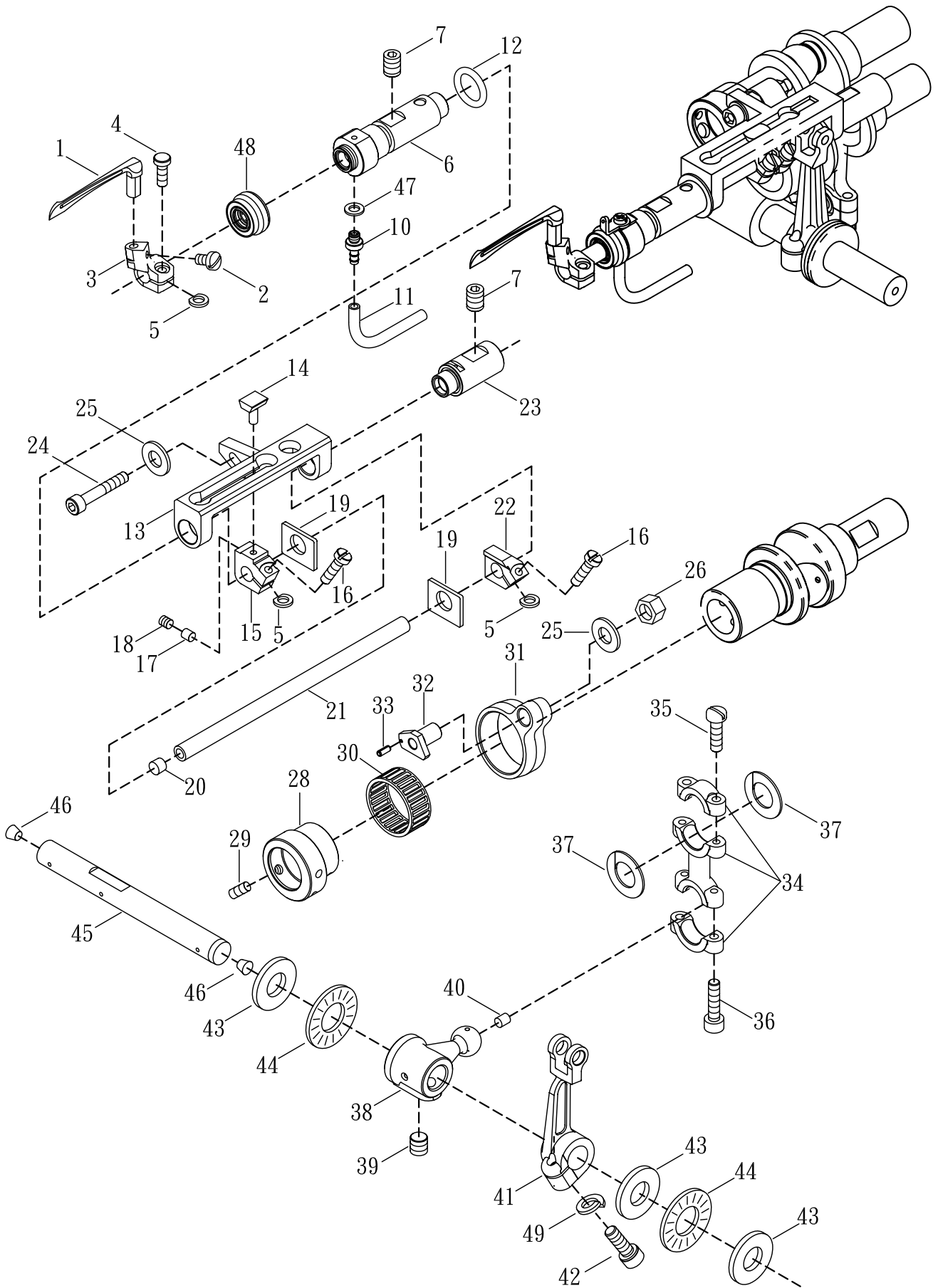
**LOOPER DRIVING MECHANISM**

**下勾針驅動機構**

**10**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1	VJ01	Looper	下勾針	1
2	MEA060	Screw ( M3.5 - 0.6 × 6 )	螺絲	1
3	N1003-1	Looper Holder	結線勾座	1
4	SV312	Screw ( M3.5 - 0.6 × 10 )	螺絲	1
5	VJ05	Spacer ( Fiber )	紅墊片	3
6	N1006-2	Looper Bar Bushing ( Left )	下勾針驅動軸襯套 ( 左 )	1
7	SV264	Screw ( M6 - 1 × 8 )	螺絲	2
8				
9				
10	FL15	Oil Tube ( Long ), Complete Set	油嘴	1
11	N1011	Oil Tube ( φ3 × φ5 × 110mm )	油管	1
12	J0613	O Ring	O型環	1
13	N1013-3	Looper Bar Guide	下勾針驅動軸導槽	1
14	VJ13-1	Slider	滑塊	1
15	N1015-1	Slider Holder ( Left )	滑塊固定座 ( 左 )	1
16	N1016-1	Screw ( M3.5 - 0.6 × 12 )	螺絲	2
17	VJ17	Seal Plug	封塞	1
18	SF228	Screw ( M4 - 0.7 × 4 )	螺絲	1
19	N1019	Silder Presser	止推墊片	2
20	VJ20	Seal Plug	封閉塞	1
21	N1021	Looper Bar	驅動軸	1
22	N1022	Slide Holder ( Right )	定位塊 ( 右 )	1
23	N1023	Looper Bar Guide Shaft ( Right )	下勾針驅動軸襯套 ( 右 )	1
24	SV254	Screw ( M5 - 0.8 × 30 )	螺絲	1
25	GJ08	Washer	墊片	2
26	NV12	Nut	螺帽	1
27				
28	N1028	Looper Rocker Regulating Eccentric	下勾針搖臂可調偏心輪	1
29	SV250	Screw ( M5 - 0.8 × 5 )	螺絲	1
30	VJ32	Roller Bearing	滾針軸承	1
31	VJ33	Looper Rocker Connecting Rod	下勾針培林殼連桿	1
32	VJ26	Looper Rocker Adjusting Pin	下勾針搖臂調整銷	1
33	VJ27	Roll Pin	棍子銷	1
34	N1034	Looper Connecting Rod	雙球連桿	1
35	SV241	Screw ( M4 - 0.7 × 14 )	螺絲	2
36	MFP160	Screw ( M4 - 0.7 × 16 )	螺絲	2
37	N0535	Anti-shock Rubber	避震膠墊	2
38	N1038	Looper Driving Lever	下勾針驅動桿	1
39	N0713	Screw ( M8 - 1.25 × 12 )	螺絲	2
40	VL52	Seal Plug	封塞	1

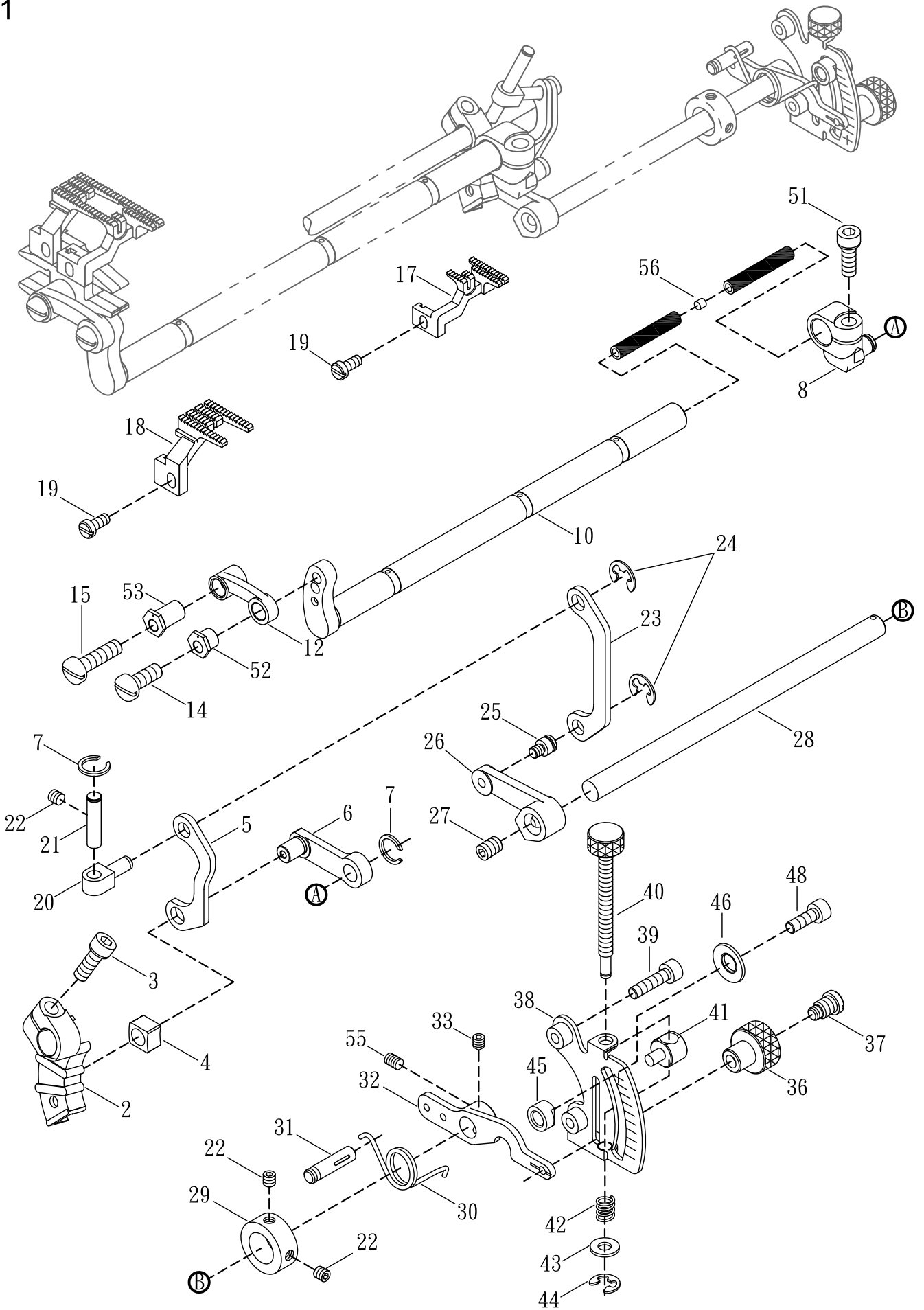
\* Ref. No. 41 to 49 .....See the following page



**LOOPER DRIVING MECHANISM****下勾針驅動機構**

Ref. No.	Parts No.	Description	產 品 名 稱	10 Amt . Req .
41	N1041-1	Looper Rocker Arm	下勾針搖臂	1
42	SV268	Screw ( M6 - 1.0 × 16 )	螺絲	1
43	VJ43	Thrust Plate	推力墊圈	3
44	VJ44	Spring Washer	彈簧墊片	2
45	N1045-1	Looper Driving Shaft	下勾針主軸	1
46	VA24	Seal Plug	鋁塞	2
47	FL14	Seal	紅墊片	1
48	N1048	Oil Seal	止油環	1
49	15-39	Spring Washer	彈簧墊片	1

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



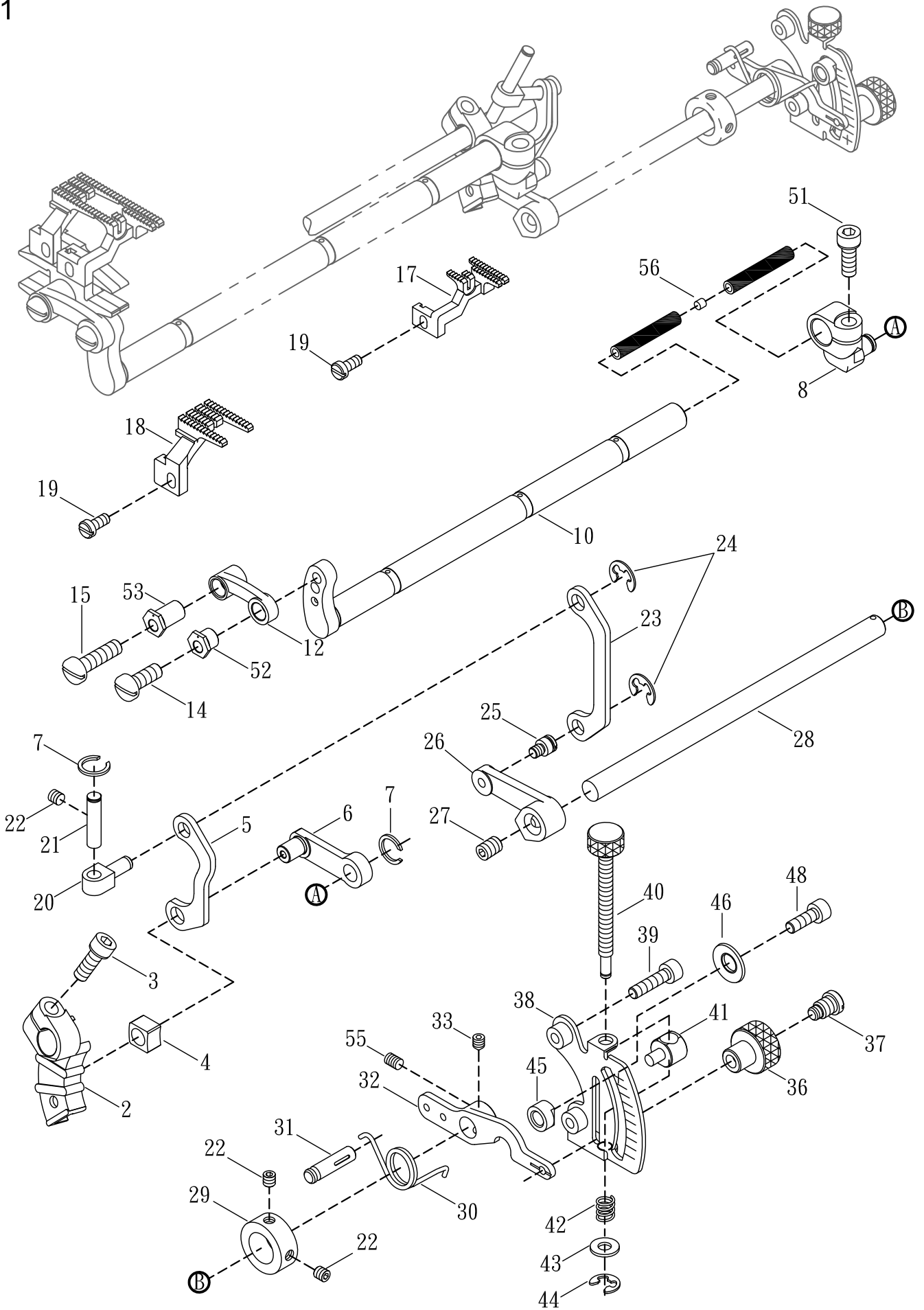
## DIFFERENTIAL FEED RATIO DEVICE

## 差動驅動調整機構

11

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1				
2	N1102	Differential Feed Rocker Arm	前送料調節腕	1
3	SV268	Screw ( M6 - 1.0 × 16 )	螺絲	1
4	N1104	Differential Regulating Slider	前送料調節滑塊	1
5	N1105	Differential Link	差動連桿	1
6	N1106	Link Lever	連桿 ( 中 )	1
7	N1107	Retaining Ring	扣環	2
8	N1108-1	Rocker Shaft	搖臂	1
9				
10	N1110R-2	Differential Feed Shaft	前送料軸	1
11				
12	N1112	Differential Feed Driving Connection	差動驅動連杆	1
13				
14	SV256	Screw ( M5 - 0.8 × 13 )	螺絲	1
15	N1115	Screw ( M5 - 0.8 × 18 )	螺絲	1
16				
17	NB1117M	Differential Feed Dog	差動齒	1
18	NB1118M	Main Feed Dog	主齒	1
19	SV310	Screw ( M3.5 - 0.6 × 8 )	螺絲	2
20	N1120	Slider	滑塊	1
21	N1121	Linear Guide	滑塊銷	1
22	SF228	Screw ( M4 - 0.7 × 4 )	螺絲	3
23	N1123	Connecting Rocker	連桿 ( 大 )	1
24	GK13	Retaining Ring	扣環	2
25	N1125	Screw	螺絲	1
26	N1126	Differential Feed Link Lever	差動連動臂	1
27	SV260	Screw ( M6 - 1.0 × 5 )	螺絲	1
28	N1128-1	Differential Feed Shaft	差動軸	1
29	N1129	Collar	軸環	1
30	H1333	Spring	扭簧	1
31	H1332	Pin	固定銷	1
32	H1334	Differential Feed Control Lever	差動控制桿	1
33	MHR050	Screw ( M5 - 0.8 × 5 )	螺絲	1
34				
35				
36	H1343	Adjusting Nut	調整螺帽	1
37	SV267	Screw ( M6 - 1 , M4.5 - 0.5 )	螺絲	1
38	N1138	Differential Feed Graduations	差動刻度板	1
39	MFP160	Screw ( M4 - 0.7 × 16 )	螺絲	2
40	H1337	Differential Feed Adjusting Screw	差動調整螺桿	1

\* Ref. No. 41 to 56 .....See the following page

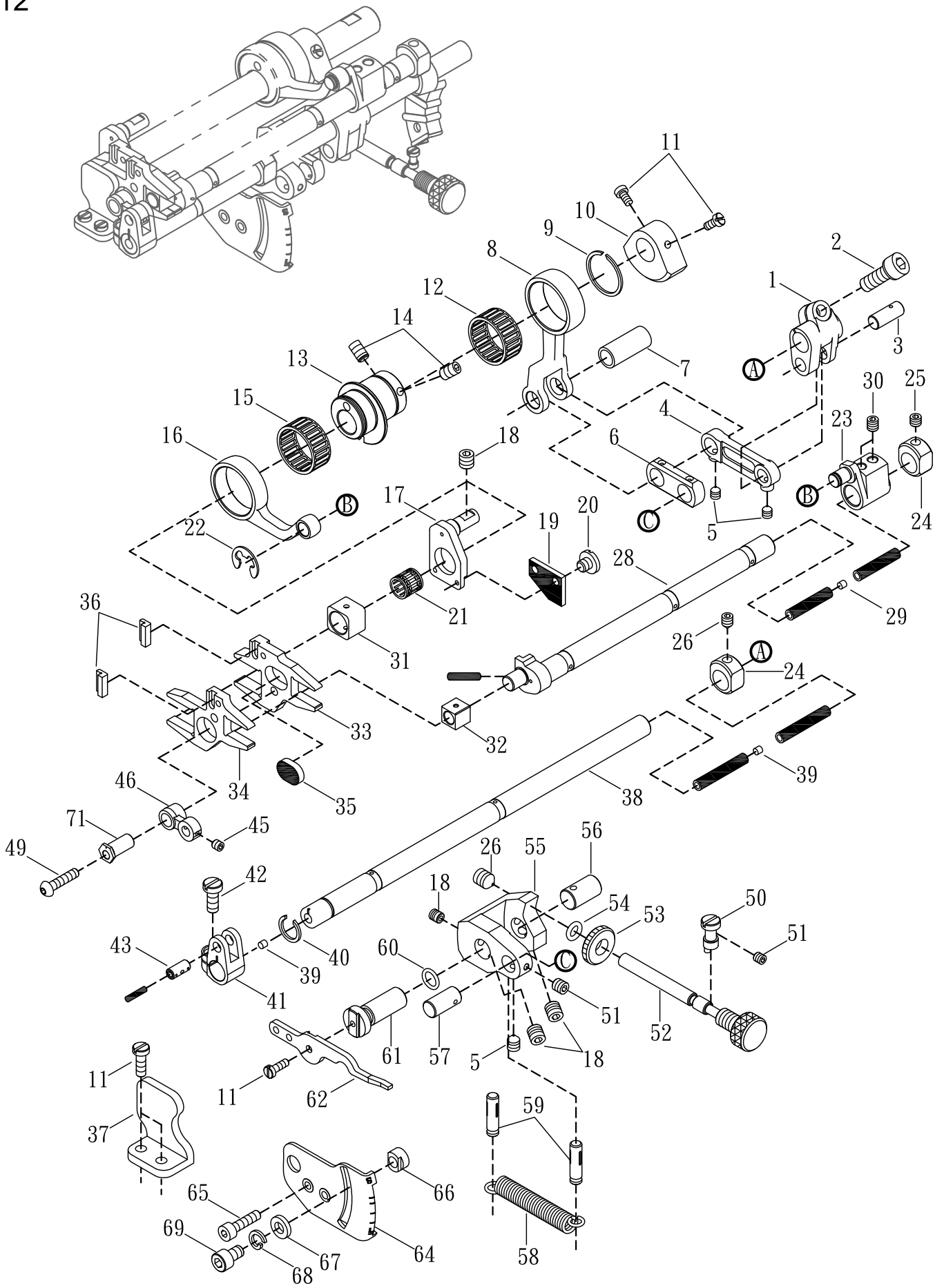




**DIFFERENTIAL FEED RATIO DEVICE****差動驅動調整機構**

Ref. No.	Parts No.	Description	產 品 名 稱	11 Amt . Req .
41	H1338	Differential Feed Nut	差動螺帽	1
42	H1339	Spring	彈簧	1
43	WF04-1	Washer	墊片	1
44	H1341	Retaining Ring	扣環 ETW-2.5	1
45	VK42	Control Lever Stop	控制桿止塊	1
46	VK48	Washer	墊片	1
47				
48	SV251	Screw ( M5 - 0.8 × 8 )	螺絲	1
49				
50				
51	GK03	Screw ( M6 - 1.0 × 14 )	螺絲	1
52	N1152	Driving Connecting Bushing	偏心驅動連杆襯套 (短)	1
53	N1153	Driving Connecting Bushing	偏心驅動連桿襯套 (長)	1
54				
55	MHQ030	Screw ( M5 - 0.8 × 3 )	螺絲	1
56	VA24	Seal Plug	封塞	1

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



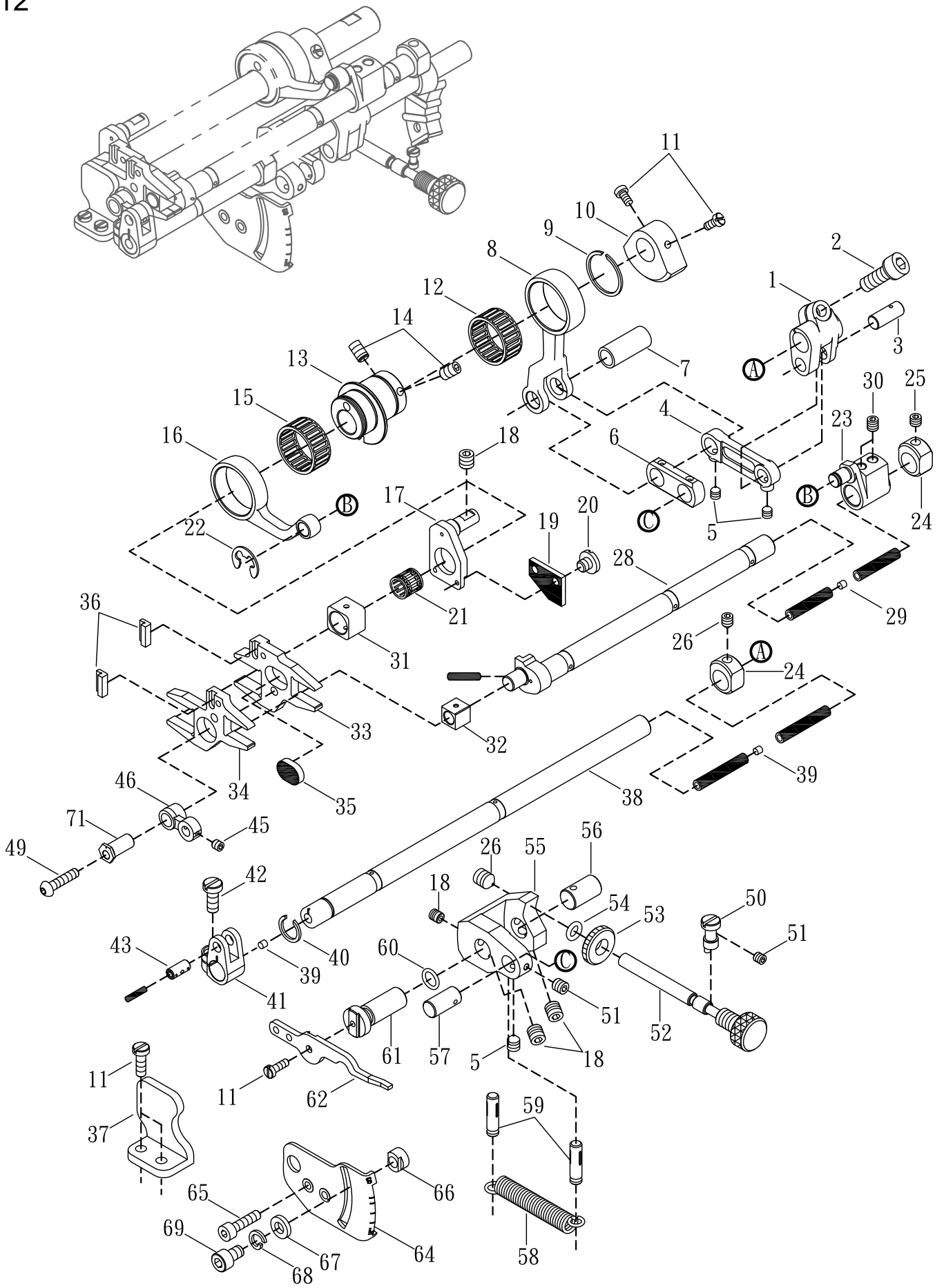
**FEED DRIVING MECHANISM**

**送料具驅動機構**

**12**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1	N1201	Feed Bar Driving Shaft Levre	送料軸腕	1
2	GK03	Screw ( M6 - 1.0 × 14 )	螺絲	1
3	N1203	Connecting Rod Pin	連桿銷	1
4	N1204	Lever Link ( Long )	提環桿 ( 長 )	1
5	MFR050	Screw ( M4 - 0.7 × 5 )	螺絲	3
6	N1206	Lever Link ( Short )	提環桿 ( 短 )	1
7	VK11	Connecting Rod Pin	連桿軸	1
8	N1208	Feed Connecting Rod	送料具連桿	1
9	VK06	Retaining Ring	扣環	2
10	N1210	Counterweight ( Small )	平衡配重凸輪	1
11	GB37	Screw ( M4 - 0.7 × 8 )	螺絲	5
12	VK07	Roller Bearing	滾針培林	1
13	N1213	Feed Eccentric	送料具偏心輪	1
14	N1214	Screw ( M5 - 0.8 × 6 )	螺絲	2
15	H1107	Roller Bearing	滾針培林	1
16	N1216	Feed Lift Connecting Rod	培林連桿	1
17	N1217	Feed Bar Guide	送料具導桿	1
18	SF240	Screw ( M6 - 1.0 × 6 )	螺絲	4
19	N1219	Felt	吸油棉	1
20	N1220	Screw ( M3 - 0.5 × 2.6 )	螺絲	2
21	D1935	Roller Bearing	滾針軸承	1
22	35-27	Retaining Ring	扣環	1
23	N1223	Feed Lift Lever	送料具提升桿	1
24	N1224	Collar	軸環	2
25	SV260	Screw ( M6 - 1.0 × 5 )	螺絲	1
26	SV261	Screw ( M6 - 1.0 × 8 ) 尖頭	螺絲	2
27				
28	N1228-1	Feed Lift Shaft	提升主軸	1
29	L0513	Seal Plug	封塞	1
30	SV264	Screw ( M6 - 1.0 × 8 )	螺絲	2
31	N1231-1	Feed Lift Block ( Rear )	送料具滑塊 ( 後 )	1
32	VL35	Feed Lift Block ( Front )	送料具滑塊 ( 前 )	1
33	N1233-1	Main Feed Bar	主送料具座	1
34	N1234-1	Differential Feed Bar	差動送料具驅動座	1
35	N1235	Felt	吸油棉	1
36	F1245	Fixed Unit	九齒固定塊	2
37	N1237	Guide Block	送料具導正塊	1
38	N1238-1	Feed Rocker Shaft	搖臂主軸	1
39	N1239	Seal Plug	封塞	2
40	N1240	Retaining Ring	扣環	1

\* Ref. No. 41 to 71 .....See the following page



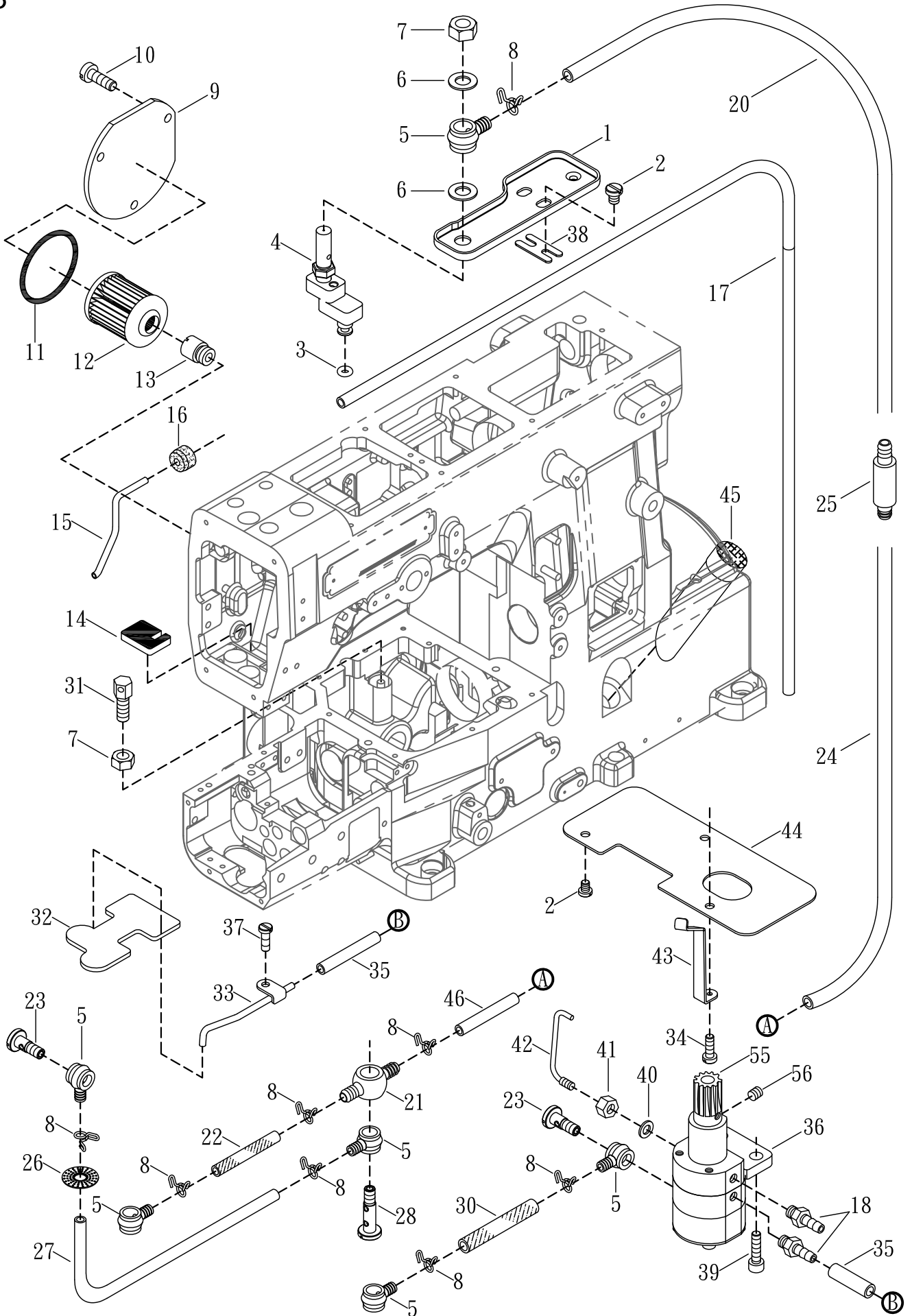
**FEED DRIVING MECHANISM**

**送料具驅動機構**

**12**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
41	N1241	Feed Shaft Lever	進給軸拉柄	1
42	MHB100	Screw ( M 5 - 0.8 × 10 )	螺絲	1
43	N1243	Connecting Rod Pin	連桿銷	1
44				
45	N1245	Screw ( M 3 - 0.5 × 4 )	螺絲	1
46	N1246	Lever Link ( Short )	提環桿 ( 短 )	1
47				
48				
49	N1249	Screw ( M5 - 0.8 × 22 )	螺絲	1
50	N1250	Adjusting Screw Stopper	送料調節椿	1
51	SF228	Screw ( M4 - 0.7 × 4 )	螺絲	2
52	N1252	Adjusting Screw	微調螺桿	1
53	N1253	Nut	螺帽	1
54	N1254	O-Ring	O型環	2
55	N1255	Main Feed Bar Bracket	送料組連接座	1
56	N1256	Connecting Rod Link Pin	連桿插銷	1
57	N1257	Connecting Rod Link Pin	連桿插銷	2
58	N1258	Control Bracket Spring	承座拉簧	1
59	H1332-1	L Bracket	L型槽溝	2
60	N1260	O-Ring	O型環	1
61	N1261-1	Control Lever Shaft	承座軸	1
62	N1262	Feed Control Lever	差動控制桿	1
63				
64	N1264	Feed Graduations	針距尺寸刻度板	1
65	MFP160	Screw ( M4 - 0.7 × 16 )	螺絲	2
66	VK42	Control Lever Stop	控制桿止塊	1
67	VK48	Washer	墊片	1
68	SW06	Spring Washer	彈簧墊片	1
69	SV251	Screw ( M5 - 0.8 × 8 )	螺絲	1
70				
71	N1271	Driving Connecting Bushing	偏心驅動連杆襯套	1

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



## LUBRICATING MECHANISM

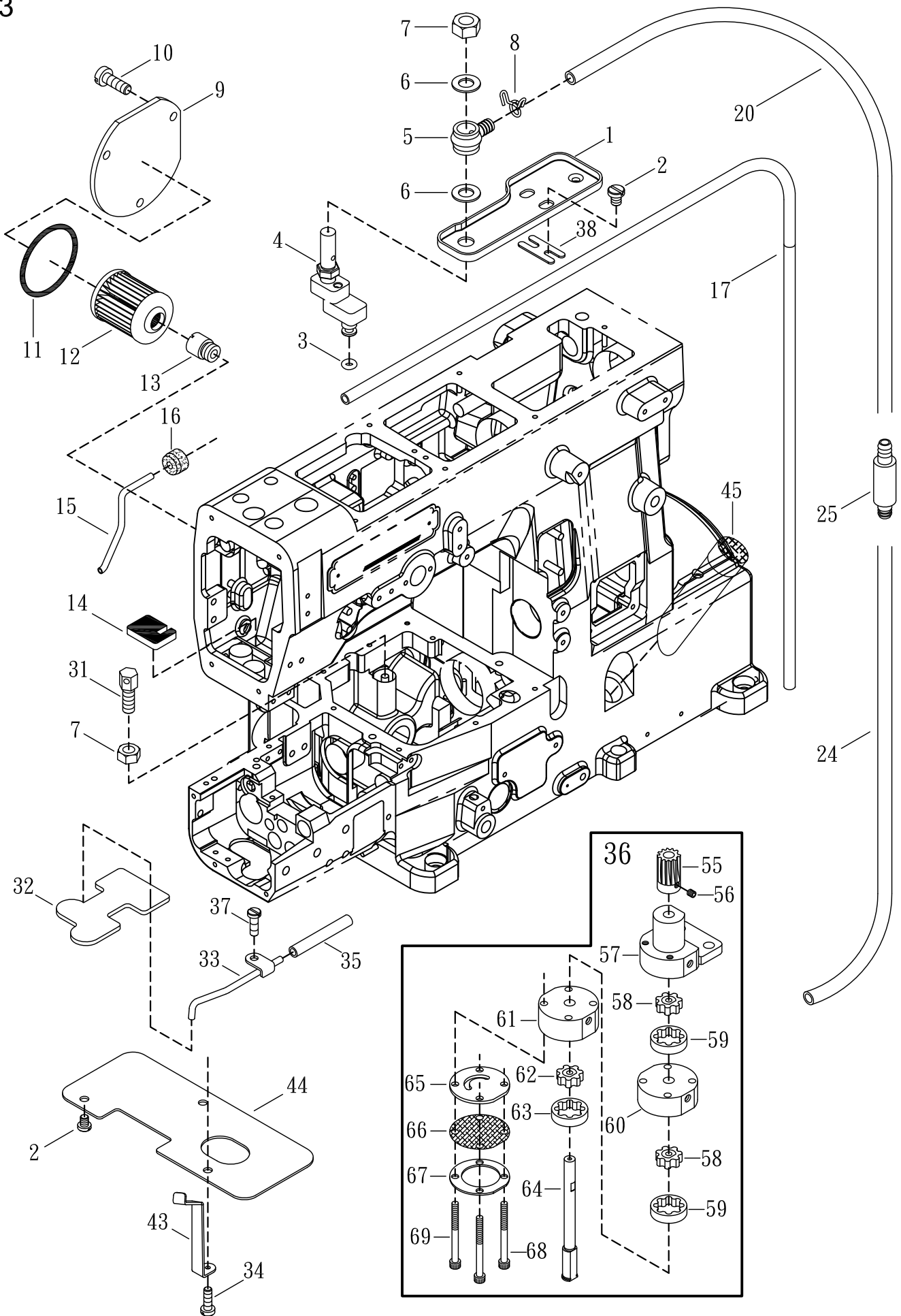
## 給油迴油機構

13

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1	N1301-1	Oil Receiver	承油盤	1
2	SV221	Screw ( M4 - 0.7 × 8 )	螺絲	4
3	L1202	O-ring	O型環	1
4	N1304-1	Oil Sight Top Nozzle	外視油量上噴嘴	1
5	VM29	Oil Tube Joint , One Way	單向油管接頭	6
6	VM37	Oil Sight Gauge	紅墊片	2
7	NV13	Nut	螺帽	2
8	VM35-1	Oil Tube Clamp	油管束子	8
9	N1309	Oil Filter Cap	濾油封蓋	1
10	LL1228	Screw ( SM 11/64-40 × 14 )	螺絲	3
11	RF28	Oil Ring	O形油環	1
12	FL20	Oil Filter	濾油器	1
13	FL21	Oil Filter Connector	濾油器連接頭	1
14	N1314	Felt ( Upper )	吸油棉 ( 上 )	1
15	N1315	Suction Pipe	迴油管	1
16	VM18	Suction Pipe Bushing	迴油管固定塞	1
17	N1317	Oil Tube ( $\psi 3 \times \psi 5 \times 570$ )	油管	1
18	FL15	Bamboo Joint	油嘴	2
19				
20	N1320	Oil Tube ( $\psi 4 \times \psi 6 \times 150$ )	油管	1
21	VM27	Oil Tube Joint , Two Way	雙向油管接頭	1
22	N1322	Oil Tube ( $\psi 4 \times \psi 6 \times 40$ )	油管	1
23	N1323	Fitting Stud ( Short )	放油螺絲 ( 短 ) 單孔	4
24	N1324	Oil Tube ( $\psi 4 \times \psi 6 \times 330$ )	油管	1
25	VM25	Oil Tube Joint , Two Way	雙向油管接頭	1
26	N1326	Oil Filter Screen	過濾網	1
27	N1327	Oil Tube ( $\psi 4 \times \psi 6 \times 290$ )	油管	1
28	N1328	Fitting Stud ( Long )	放油螺絲 ( 長 ) 雙孔	1
29				
30	N1330	Oil Tube ( $\psi 4 \times \psi 6 \times 21$ )	油管	1
31	N1331	Oiling Shower	給油螺絲	1
32	N1332	Felt	吸油棉	1
33	N1333-1	Suction Pipe	吸油管	1
34	GB37	Screw ( M4 - 0.7 × 8 )	螺絲	2
35	N1335	Oil Tube ( $\psi 3 \times \psi 5 \times 360$ )	油管	1
36	VM40	Oil Pump , Complete Set	油泵組	1
37	SV239	Screw ( M4 - 0.7 × 5 )	螺絲	1
38	N1338	Connection	結合墊塊	1
39	SF244	Screw ( M 6- 1.0 × 16 )	螺絲	2
40	FL14	Seal	紅墊片	1

\* Ref. No. 41 to 69 .....See the following page

13





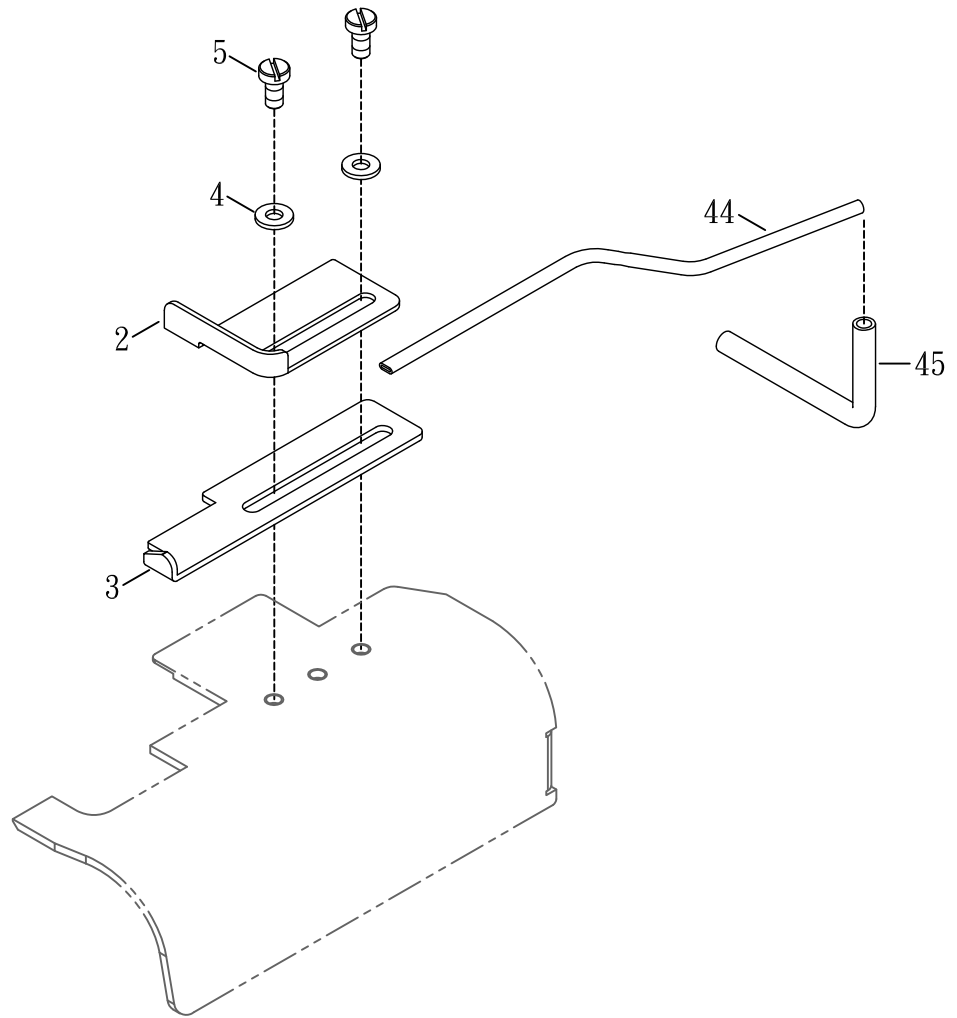
## LUBRICATING MECHANISM

## 給油迴油機構

13

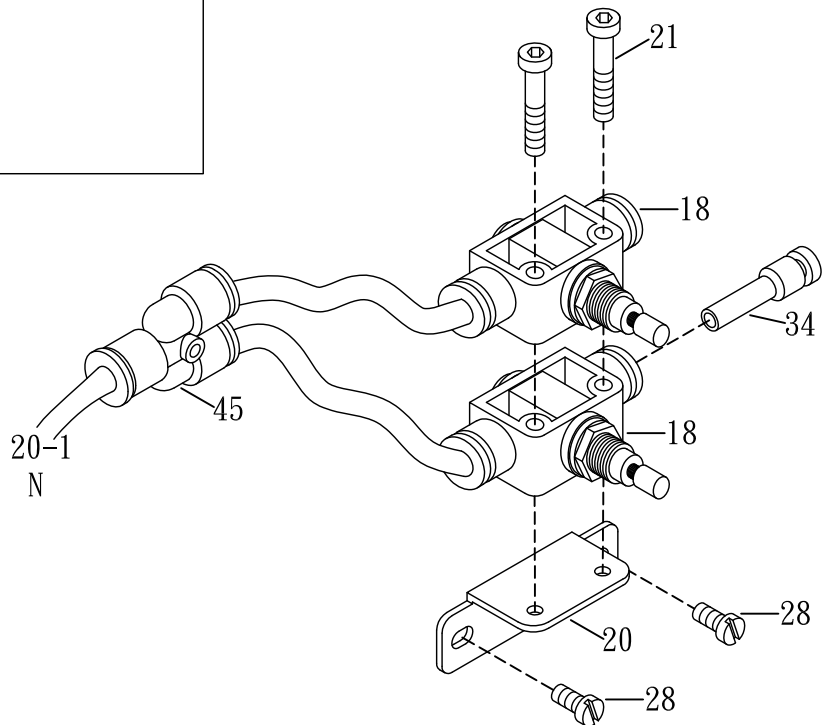
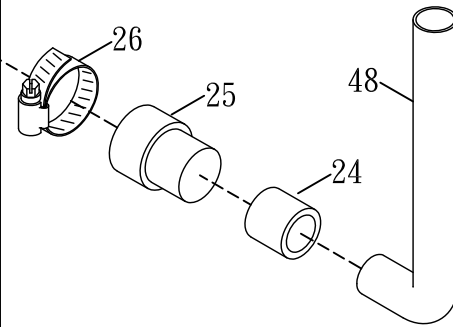
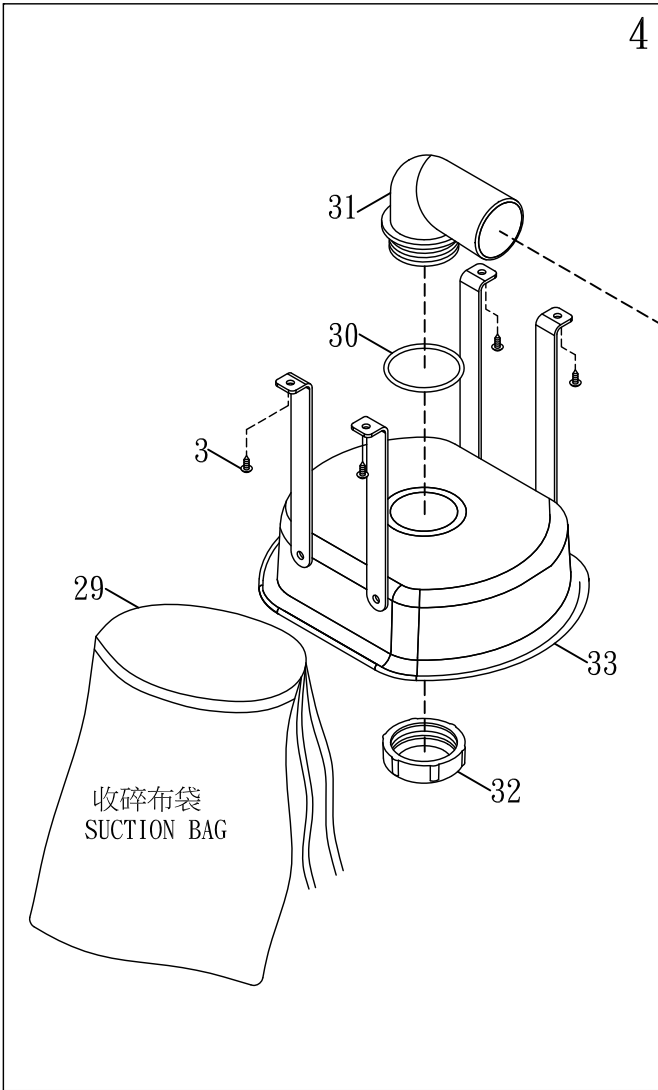
Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
41	NV12	Nut	螺帽	1
42	VM46	Oil Nozzle For Worm Gear	驅動蝸齒噴油嘴	1
43	N1343	Oil Tube Stay	油管固定架	1
44	N1344-2	Dust - Proof Plate	防塵蓋	1
45	N1345	Oil Sight Gauge	外視油量計	1
46				
47				
48				
49				
50				
51				
52				
53				
54				
55	VM41	Oil Pump Driving Worm Gear	油泵驅動蝸齒	1
56	SF228	Screw ( M4 - 0.7 × 4 )	螺絲	2
57	VM40-11	Pump Upper Base	油泵主體	1
58	VM40-32	Inner Gear	內輪子 ( 薄 6mm )	2
59	VM40-62	Outer Gear	外輪子 ( 薄 6mm )	2
60	VM40-21	Pump Inter Base	油泵中層	1
61	VM40-31	Pump Lower Base	油泵下層	1
62	VM40-42	Inner Gear	內輪子 ( 厚 7.5mm )	1
63	VM40-52	Outer Gear	外輪子 ( 厚 7.5mm )	1
64	F1364	Center Shaft	油泵主軸	1
65	VM40-2	Lower Base Washer	油泵底座墊片	1
66	VM40-8	Oil Filter	油泵濾網	1
67	VM40-9	Filter Plate	固定濾網環	1
68	SV237	Screw ( M4 - 0.7 × 40 )	螺絲	2
69	SV238	Screw ( M4 - 0.7 × 45 )	螺絲	2

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



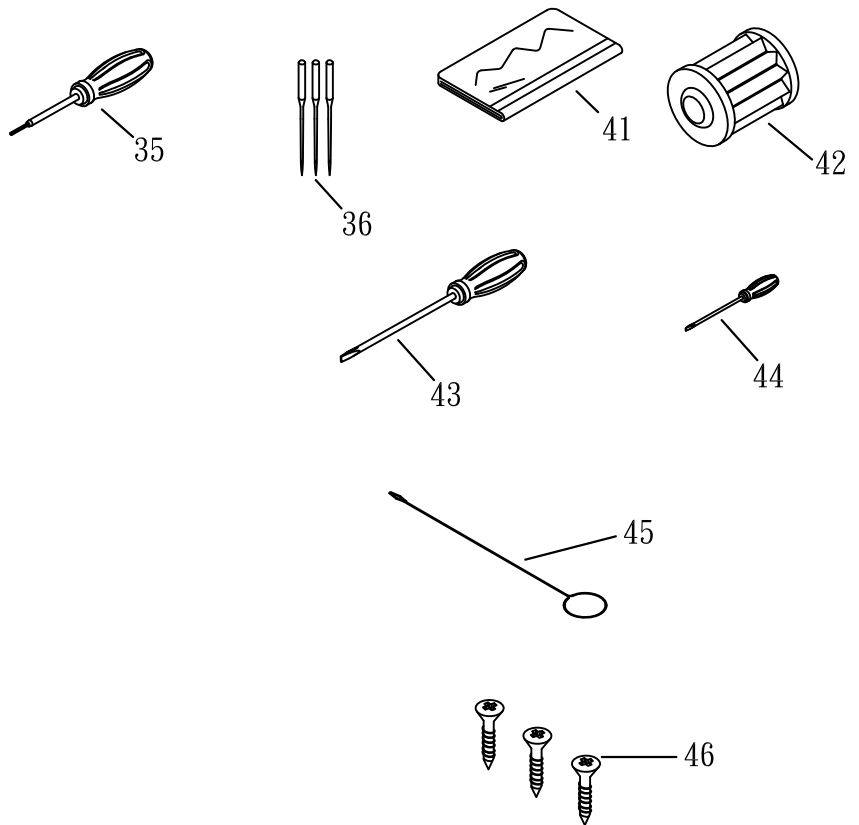
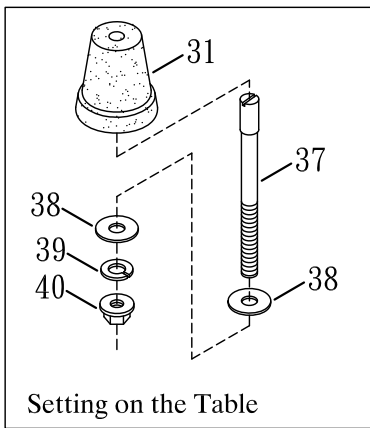
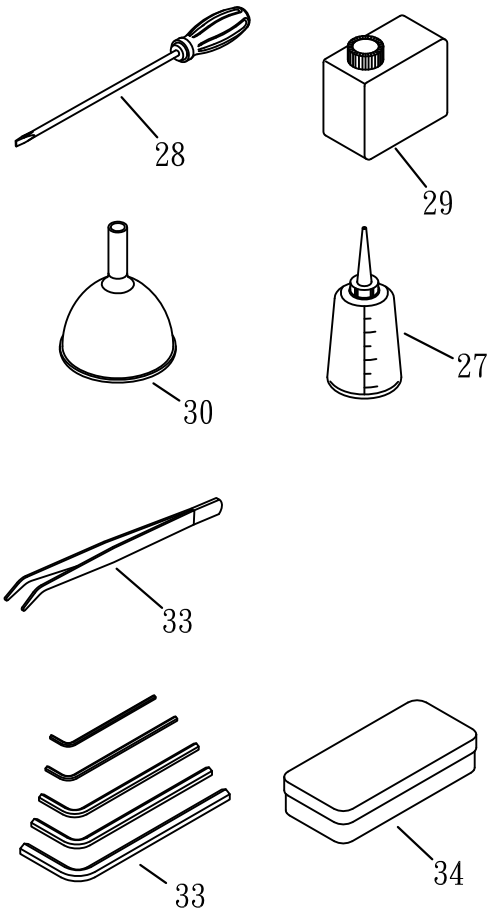
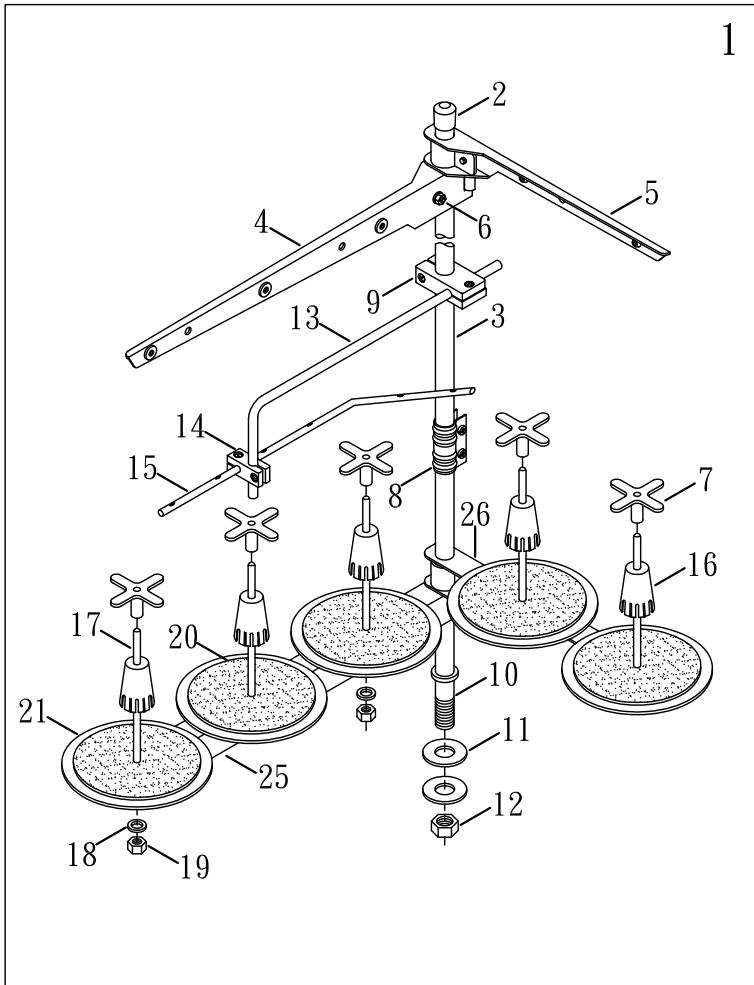
**ATTACHMENT FOR HEMMING & SEAM COVERING****專用配件****14  
Amt .  
Req .**

<b>Ref. No.</b>	<b>Parts No.</b>	<b>Description</b>	<b>產 品 名 稱</b>	<b>Req .</b>
1				
2	NC1402	Fabric Edge Guide ( Right )	右擋邊	1
3	NC1403	Fabric Edge Guide ( Left )	左擋邊	1
4	WF04-1	Washer	墊片	2
5	18-21	Screw ( M4 - 0.7 × 6 )	螺絲	2
44	N1444	Air Tube	吹風銅管	1
45	NB1445	Air Connector	風管	1



**EXCLUSIVE PARTS R500/RP****專用零件**

Ref. No.	Parts No.	Description	產 品 名 稱	15 Amt . Req.
3	27-03	Wooden Screw	木螺絲	4
4	27-04	Suction Bag Complete set	C-100廢布和線頭收集組	1
18	27-18	Suction Regulator	調節閥	2
19	27-19			
20	S044	Regulator Support	調節閥座	1
21	SV234	Screw ( M4 - 0.7 × 35 )	螺絲	2
22				
24	NB1524	Bushing	襯套	1
25	N114	Plastic Connector	塑膠接頭(25灰色)	1
26	N113	Pipe Fastener	緊縮環(大)	1
28	SV221	Screw ( M4 - 0.7 × 8 )	螺絲	2
29	27-29	Suction Bag	收碎布袋	1
30	27-30	O Ring	O型環	1
31	27-31	Plastic Tube	塑膠彎管	1
32	27-32	Plastic Nut	塑膠螺帽	1
33	27-33	Suction Bag Holder	碎布袋固定座	1
34	27-34	Socket	快速接頭	1
45	S045	Y-Type Air Connector	風管三通接頭	1
48	TNB2748	Pvc Pipe	透明塑膠管	1



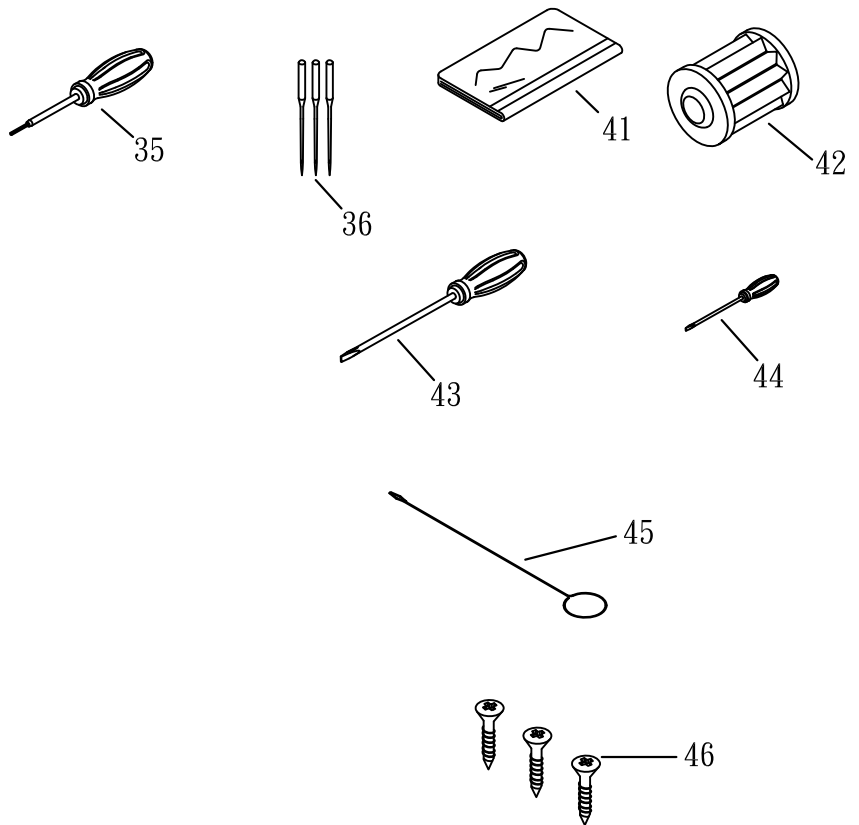
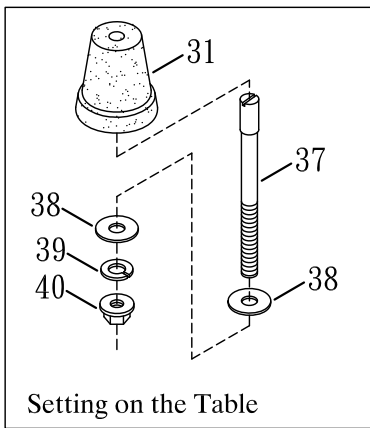
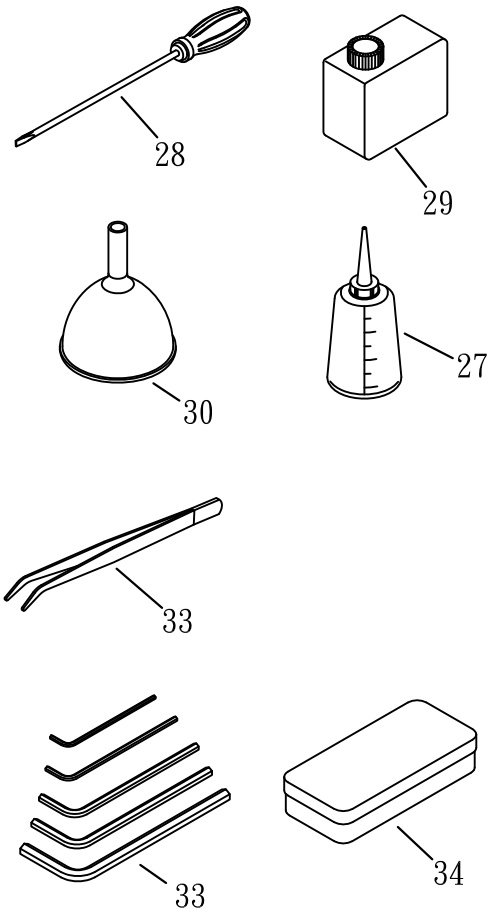
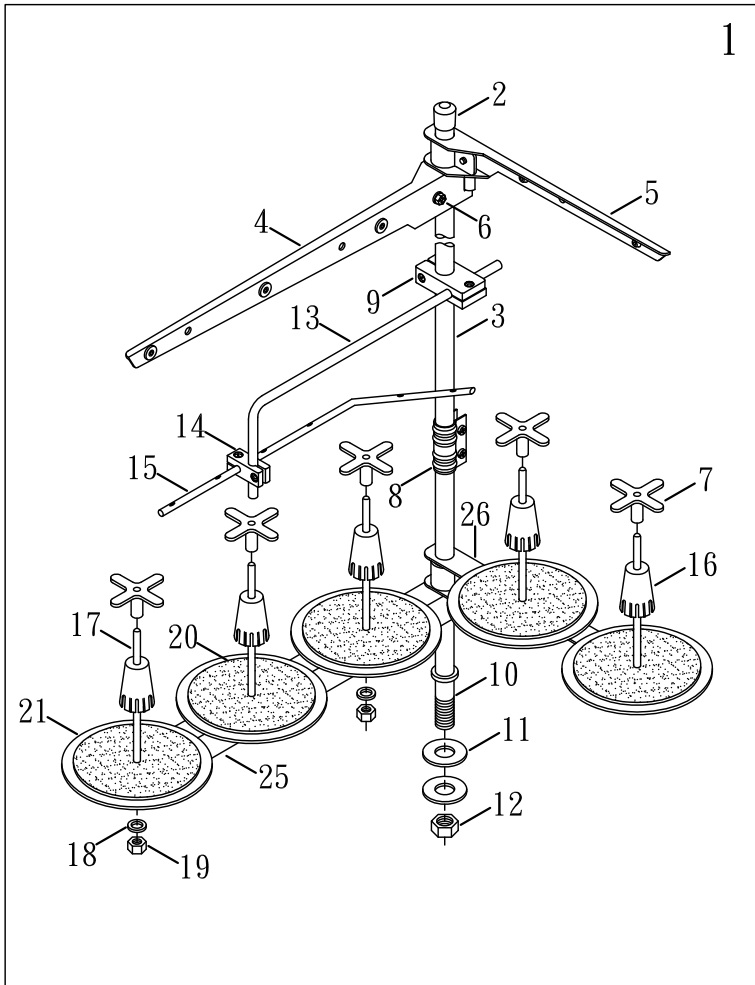
**THREAD STAND & SUPPORTING BOARD**

**線架及機頭托架組**

**16**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
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				
23				
24				
25	15-25	Spool Pin Bracket (3)	3孔線軸架	1
26	15-26	Spool Pin Bracket (2)	2孔線軸架	1
27	FM13	Oiler	油罐	1
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	N1631-2	Oil Reservoir Rubber Cushion	底座避震膠墊	4
32	FM14	Tweezers	夾子	1
33	FM20A	Wrench	六角板手	1
34	FM21	Box	零件盒	1
35	FM18	Screw Driver	六角起子	1
36	JY128GAS-1	Needle	車針	1
37	N1637	Setting Screw (Long)	長底座固定螺絲	4
38	15-38	Washer	墊片	8
39	15-39	Spring Washer	彈簧華司	4
40	NF31	Nut	螺帽	4

\* Ref. No. 41 to 46 .....See the following page





**THREAD STAND & SUPPORTING BOARD****線架及機頭托架組****16**

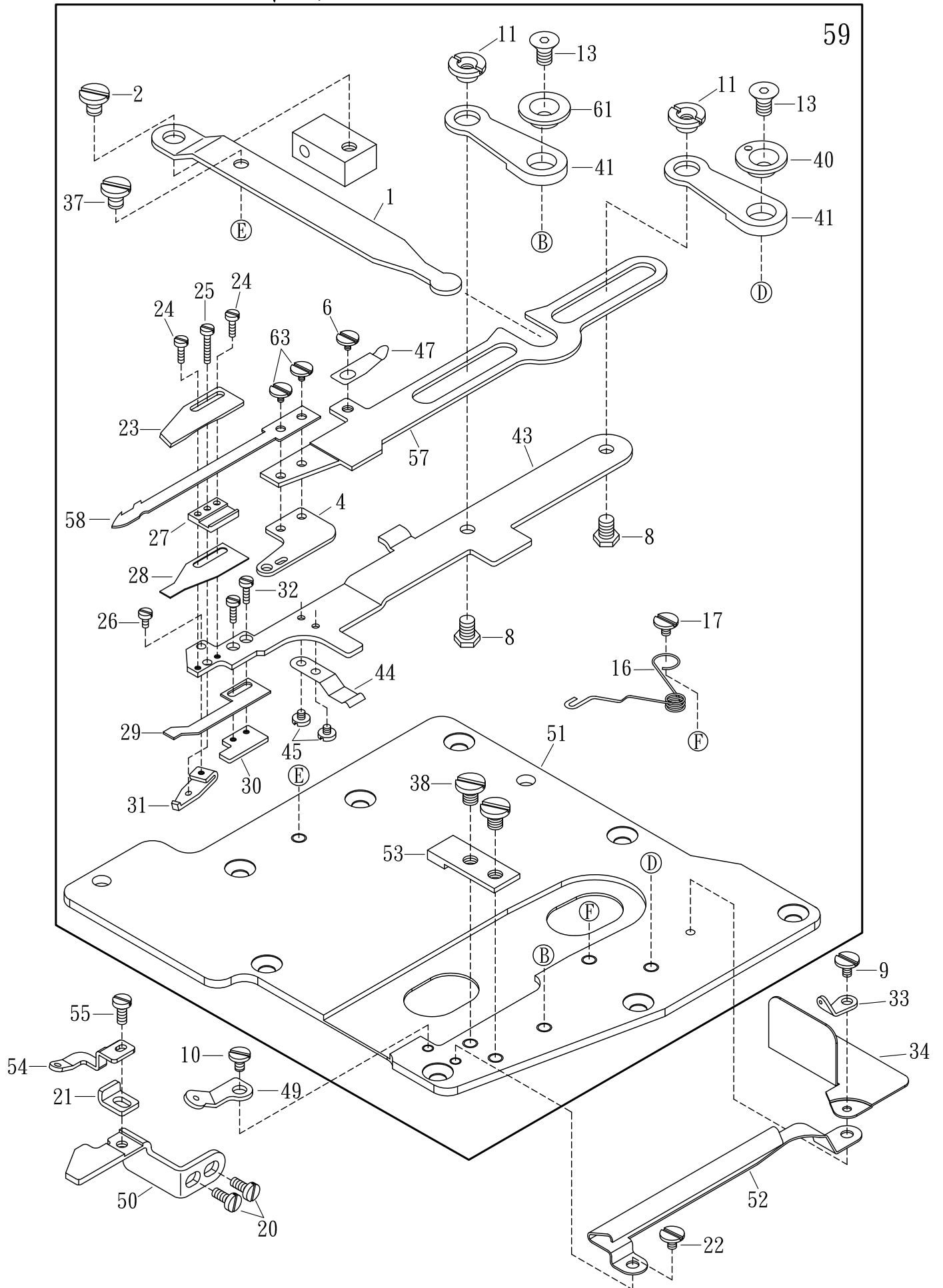
<b>Ref. No.</b>	<b>Parts No.</b>	<b>Description</b>	<b>產 品 名 稱</b>	<b>Amt . Req .</b>
41	FM10	Head Cover	防塵套	1
42	FL20	Oil Filter	濾油器	1
43	FM19	Screw Driver ( Middle )	中型螺絲起子	1
44	FM23	Screw Driver ( Small )	小型螺絲起子	1
45	FM16	Threading Wire	穿線鐵絲	1
46	15-24	Wooden Screw	木螺絲	3

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

# UNDER THREAD TRIMMER

## 999 下切刀

整組編號:N1759



**UNDER THREAD TRIMMER (OPTIONAL)**

**下切刀驅動機構(選購)**

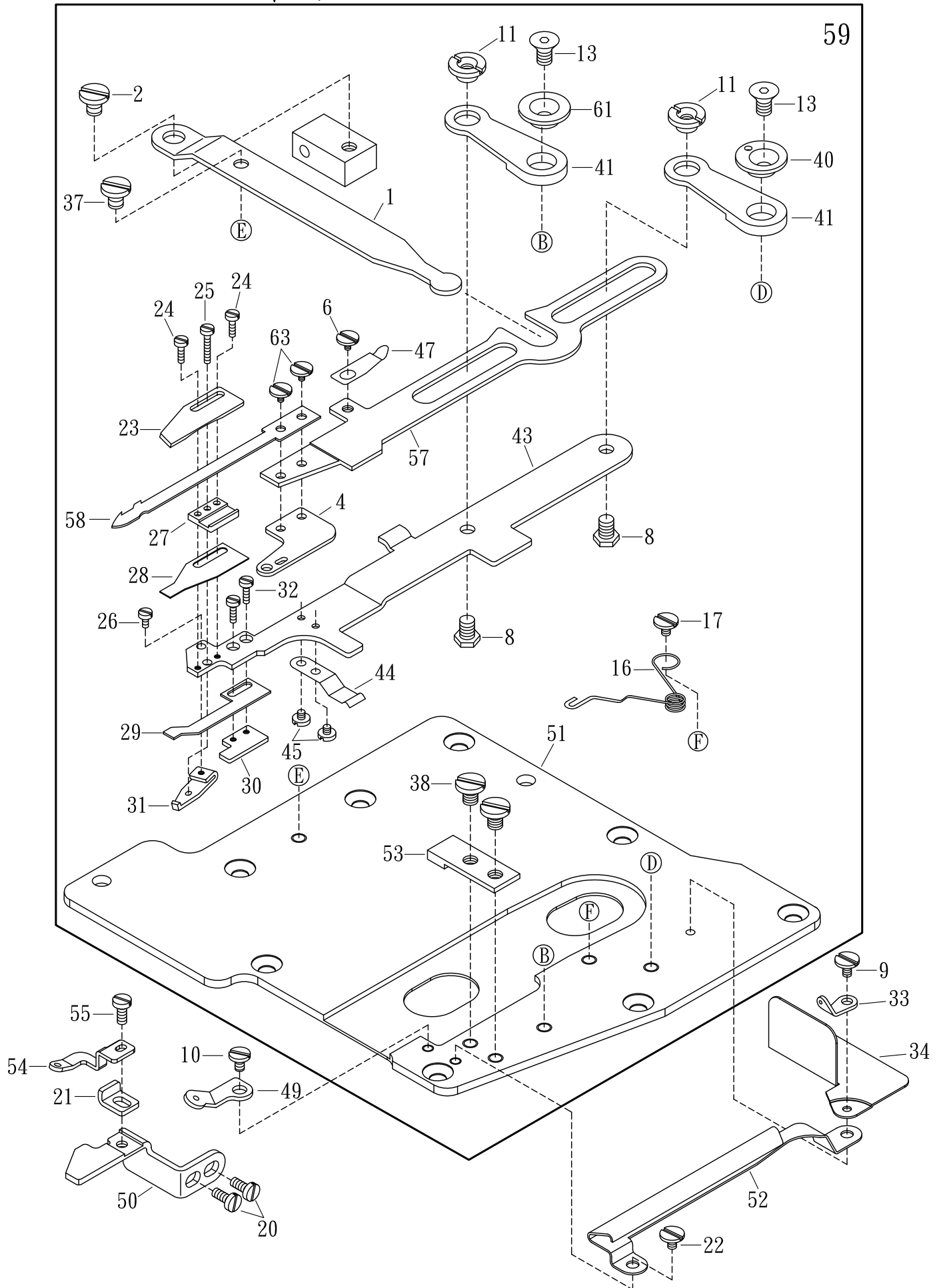
Ref. No.	Parts No.	Description	產 品 名 稱	17 Amt. Req.
1	17-01	Lower Knife Driving Lever	驅動桿	1
2	17-02	Screw ( M4 - 0.7 )	螺絲	2
3				
4	17-04-3	Lower Knife Holder	刀鎖付板	1
5				
6	L1410	Screw ( M3 - 0.5 )	螺絲	1
7				
8	17-08	Screw ( M4 - 0.7 × 4.5 )	螺絲	2
9	MDA060	Screw ( M3 - 0.5 × 6 )	螺絲	1
10	SV210	Screw ( M3 - 0.5 × 4 )	螺絲	1
11	17-11	Nut	組合螺帽	2
12				
13	17-13	Screw ( M4 - 0.7 × 6.5 )	皿型螺絲	2
14				
15				
16	17-16	Upper Knife Carrier Spring	送進彈簧	1
17	17-17	Screw ( M4 - 0.7 )	螺絲	1
18				
19				
20	SV221	Screw ( M4 - 0.7 × 8 )	螺絲	2
21	N1721	Lower Knife Carrier Stop	消力擋	1
22	GB08	Screw ( M3 - 0.5 × 3.5 )	螺絲	1
23	17-23	Upper Knife	3100512固定刀	1
24	17-24	Screw ( M2 - 0.4 × 5.5 )	螺絲	2
25	17-25	Screw ( M2 - 0.4 × 9.5 )	螺絲	1
26	17-26	Screw ( M2 - 0.4 × 3 )	螺絲	1
27	17-27-2	Upper Knife Guide	刀墊座	1
28	17-28	Clamp Spring	夾線片	1
29	17-29	Clamp Spring Presser	夾線押簧片	1
30	17-30	Clamp Spring Presser Holder	夾線固定板	1
31	17-31	Clamp Spring Presser Adjusting Unit	夾線調節片	1
32	17-32	Screw ( M2 - 0.4 × 3.5 )	螺絲	2
33	VC62	Looper Thread Eyelet (Right)	下飾線過線板(右)	1
34	N1734	Dust - Proof Plate	防塵蓋(選配)	1
35				
36				
37	17-37	Screw ( M4 - 0.7 )	螺絲	1
38	17-38	Screw ( M4 - 0.7 × 4 )	螺絲	2
39				
40	17-40	Knife Guide Lever Ring (Right)	導引切刀搖臂偏心輪	1

\* Ref. No. 41 to 63 .....See the following page

# UNDER THREAD TRIMMER

999 下切刀

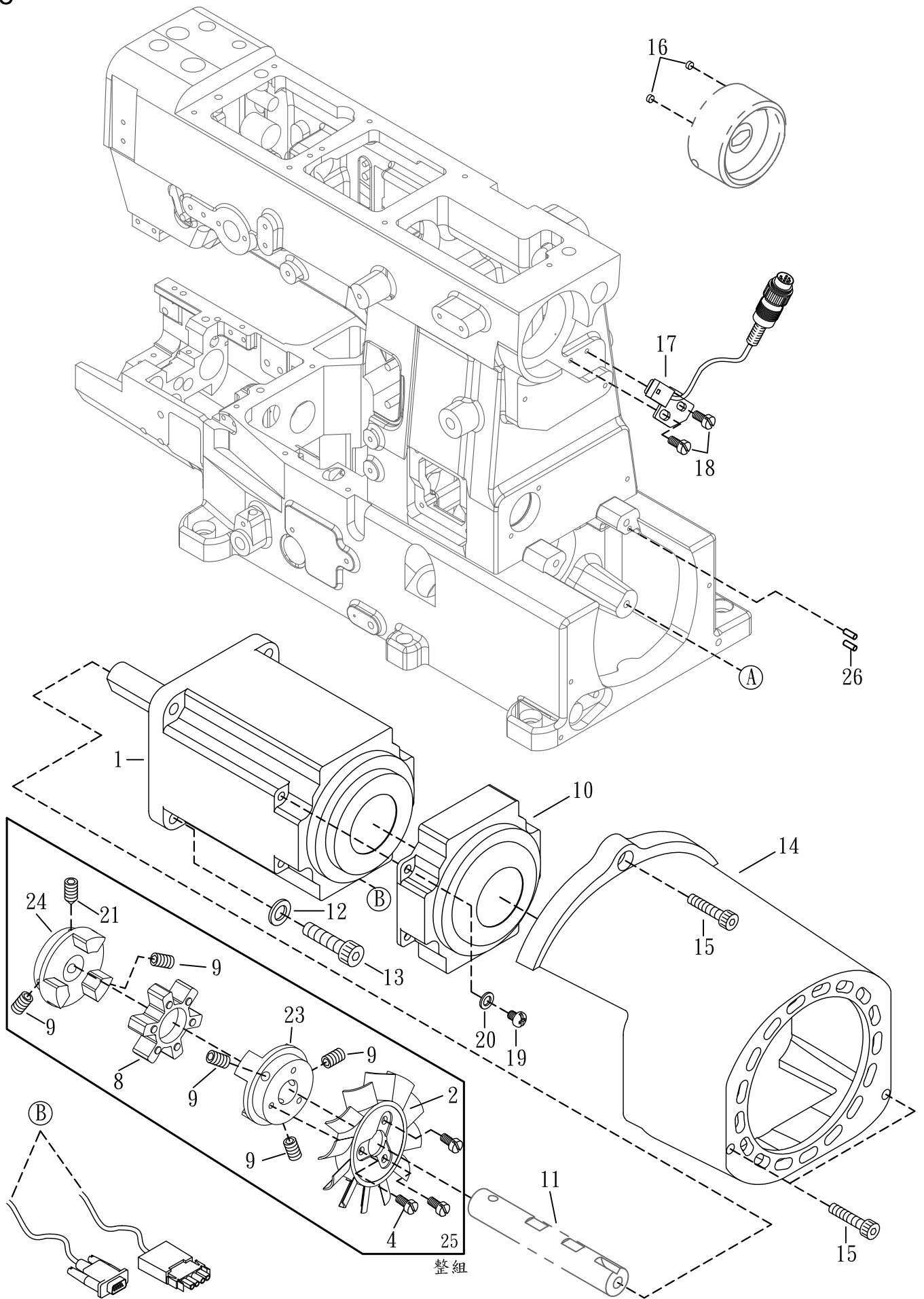
整組編號:N1759



**UNDER THREAD TRIMMER (OPTIONAL)****下切刀驅動機構(選購)****17**

<b>Ref. No.</b>	<b>Parts No.</b>	<b>Description</b>	<b>產 品 名 稱</b>	<b>Amt. Req.</b>
41	17-41-1	Knife Guide Lever	導引切刀搖臂	2
42				
43	17-43	Upper Knife Carrier	上切固定座	1
44	17-44	Supplementary Spring	隱刀夾簧	1
45	17-45	Screw ( M2 - 0.4 × 2 )	螺絲	2
46				
47	17-47	Supplementary Spring	活動刀押簧	1
48				
49	F0360	Looper Thread Eyelet (Left)	下飾線過線板(左)	1
50	N1750	Lower Knife Carrier Guide	水平支架	1
51	N1702-1	Crank Chamber Cover	下切刀基板	1
52	17-52-1	Looper Thread Protector	過線護線槽	1
53	17-53	Upper Knife Carrier Stop	切刀定位固定板	1
54	N1754	Thread Eyelet	過線板	1
55	SV208	Screw ( M3 - 0.5 × 4.4 )	螺絲	1
56				
57	17-57	Lower Knife Carrier	下切刀活動刀座	1
58	17-58-9	Lower Knife	3100513活動刀	1
59	N1759	Complete Set Under Thread Trimmer	下切刀組	1
60				
61	17-61	Knife Guide Level Ring (Left)	搖臂定位襯套	1
62				
63	MDB025	Screw ( M3 - 0.5 × 2.5 )	螺絲	2

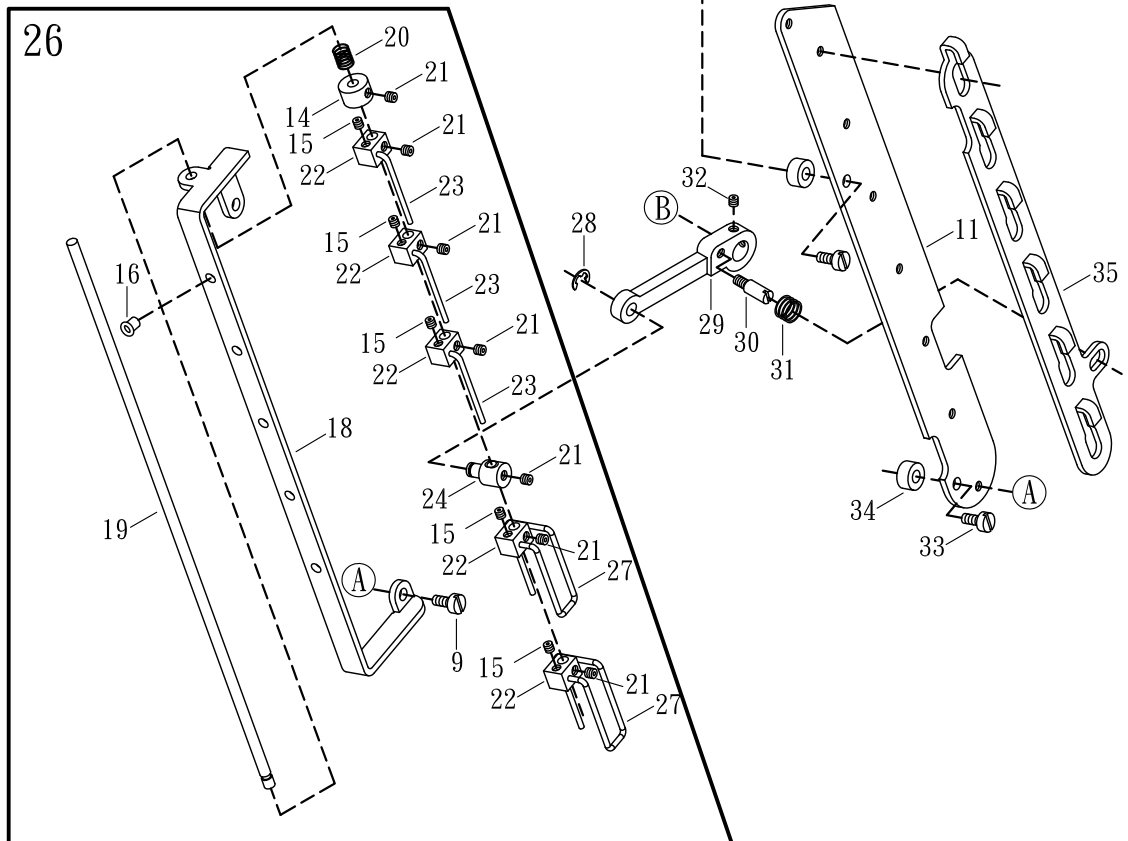
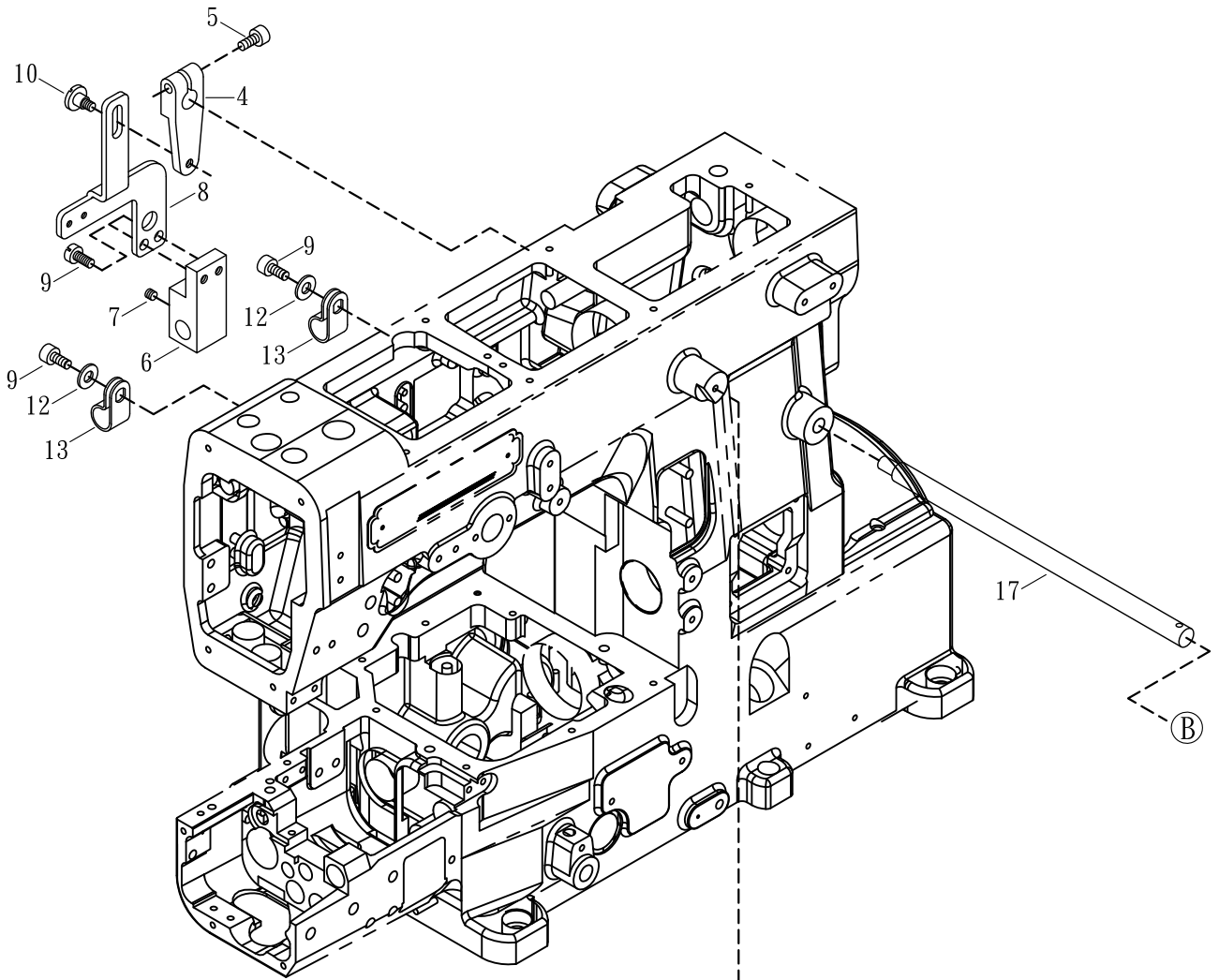
\* Ref. No. 1 to 40 .....See the preceding page.



**COMPACT - SIZE SERVO MOTOR & BUILT-IN  
SYNCHRONIZER (OPTIONAL)**

**直驅馬達配件 & 內藏式  
定位線(選購) 18**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt . Req .
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	厚3 × Ø 5 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	WF04-1	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



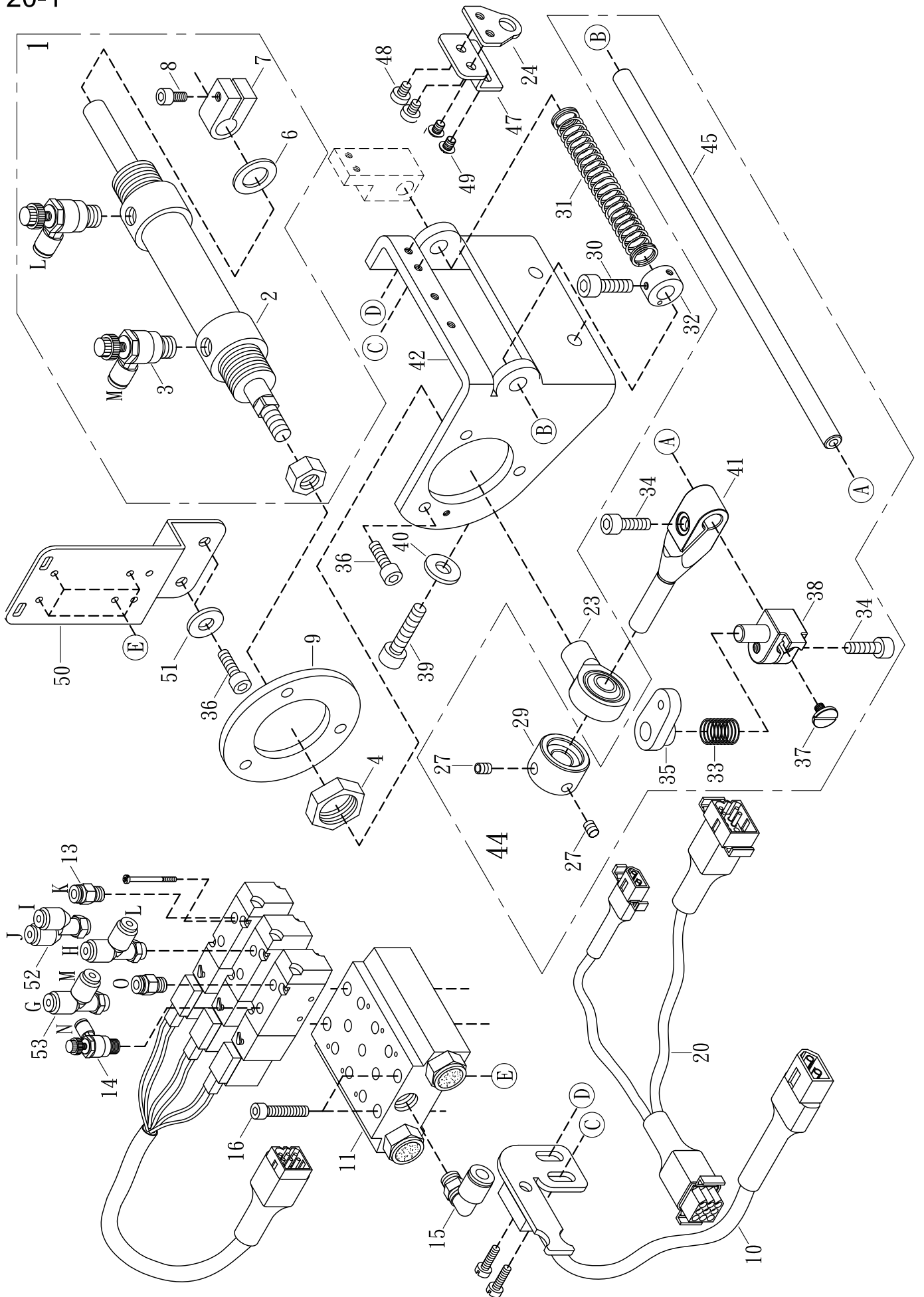


**AUTO TRIMMER THREAD PULL-OFF MECHANISM  
(OPTIONAL)**

**自動切線鬆線機構 (選購)**

19

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
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	N1908	Tension Release Connecting Plate	安全開關固定座	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	WF04-1	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 )	螺絲	1
31	VH49-1	Spring	隔震彈簧	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



**UNDER THREAD TRIMMER (PNEUMATIC TYPE)  
(OPTIONAL)**

**氣壓式下切刀驅動機構(選購) 20-1**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
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
5				
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 × 25 )	螺絲	4
17				
18				
19				
20	N2020	Pneumatic Adaptor Cord	風切中繼線,雙線	1
21				
22				
23	19-23	Plunger Connecting Pin	魚眼軸承	1
24	19-24-1	Magnetic Base	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	SF224	Screw ( M4 - 0.7 × 8 )	螺絲	2
31	19-31	Spring	彈簧	1
32	VH32	Collar	止推緊環	2
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	SV252	Screw ( M5 - 1.0 × 10 )	螺絲	5
37	MFB055	Screw ( M4 - 0.7 × 5.5 )	螺絲	1
38	19-38	Screw Base	螺樁座	1
39	SF244	Screw ( M6 - 1.0 × 16 )	螺絲	2
40	WF06	Washer	華司	2

\* Ref. No. 41 to 53 .....See the following page

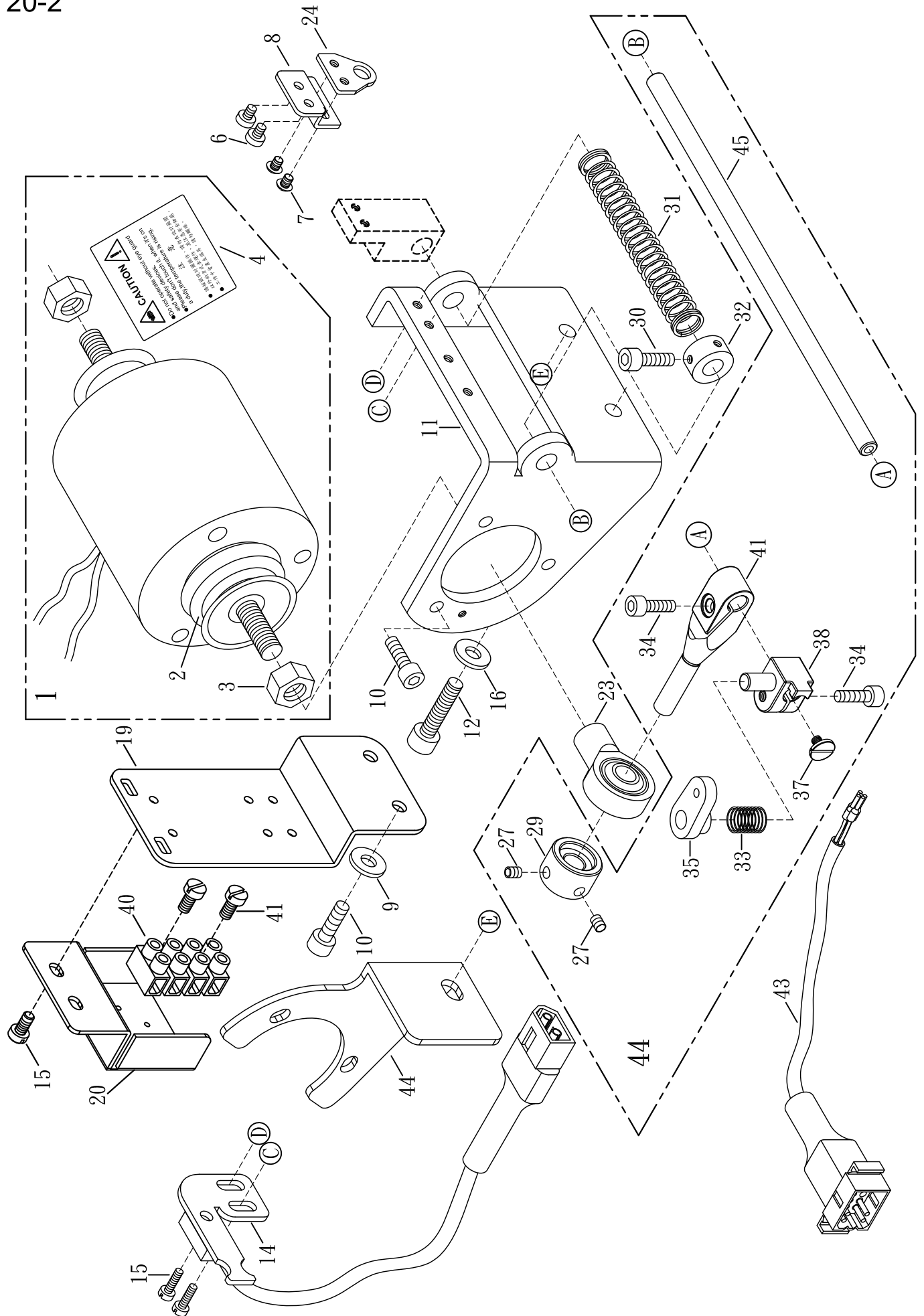


UNDER THREAD TRIMMER (PNEUMATIC TYPE)  
(OPTIONAL)

氣壓式下切刀驅動機構(選購) 20-1

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
41	19-41	Plunger	調節桿座	1
42	19-11-3	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	19-08	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	N2044-1	Air Solenoid Base	氣壓閥組固定座	1
51	VK48	Washer	墊片	2
52	23-25	Air Tube	Y型2通接頭	1
53	23-26	Air Tube	T型2通接頭	2

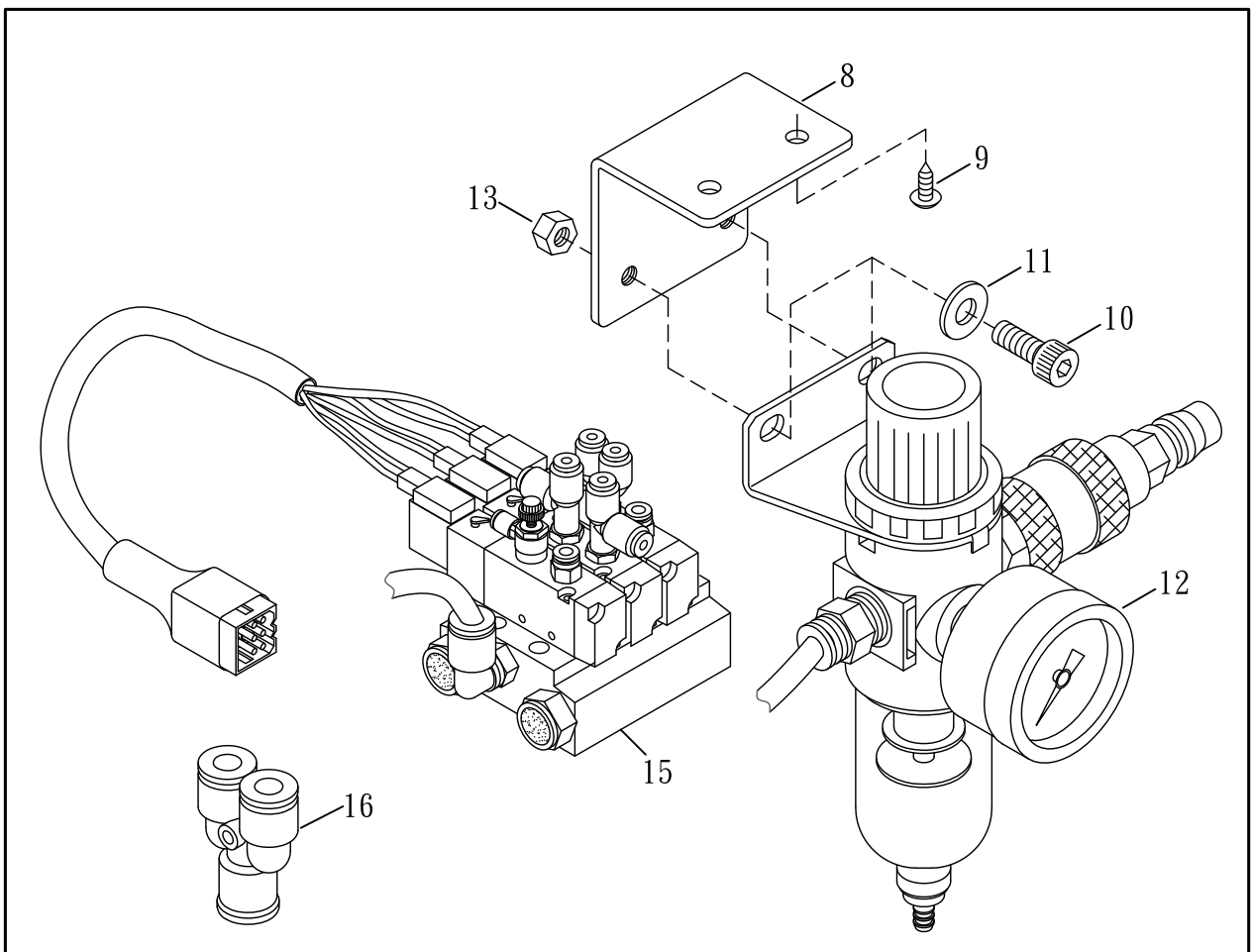
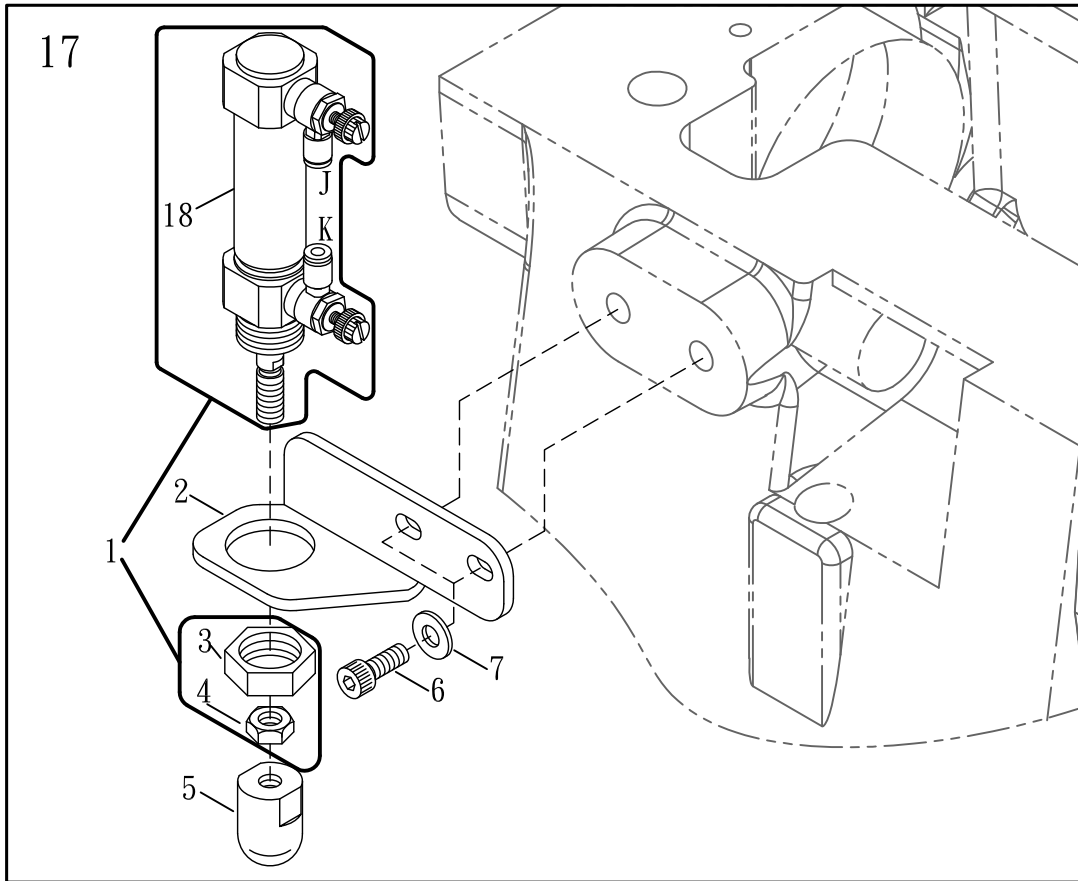
\* Ref. No. 1 to 40 .....See the preceding page.



**UNDER THREAD TRIMMER (ELECTRIC TYPE)  
(OPTIONAL)**

**電磁式下切刀驅動機構(選購) 20-2**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
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	2
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	19-08	Magnetic Adjusting Base	磁鐵調節座	1
9	VK48	Washer	墊片	2
10	SV252	Screw ( M5 - 0.8 × 10 )	螺絲	5
11	19-11-3	Trimming Solenoid Support	下切刀驅動固定座	1
12	SF244	Screw ( M6 - 1.0 × 16 )	螺絲	2
13	N2344	Elastic Tape Guide Bracket	固定座	1
14	19-14-1	Safety Switch Bracket	安全開關座	1
15	SV221	Screw ( M4 - 0.7 × 8 )	螺絲	4
16	WF06	Washer	墊片	2
17				
18				
19	N2044-1	Air Solenoid Base	氣壓閥組固定座	1
20	S2120	Solenoid Base	端子固定座	1
21				
22				
23	19-23	Plunger Connecting Rod	魚眼軸承	1
24	19-24-1	Magnetic Base	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	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	MDA100	Screw ( M3 - 0.5 × 10 )	螺絲	2
40	19-40	Terminator 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



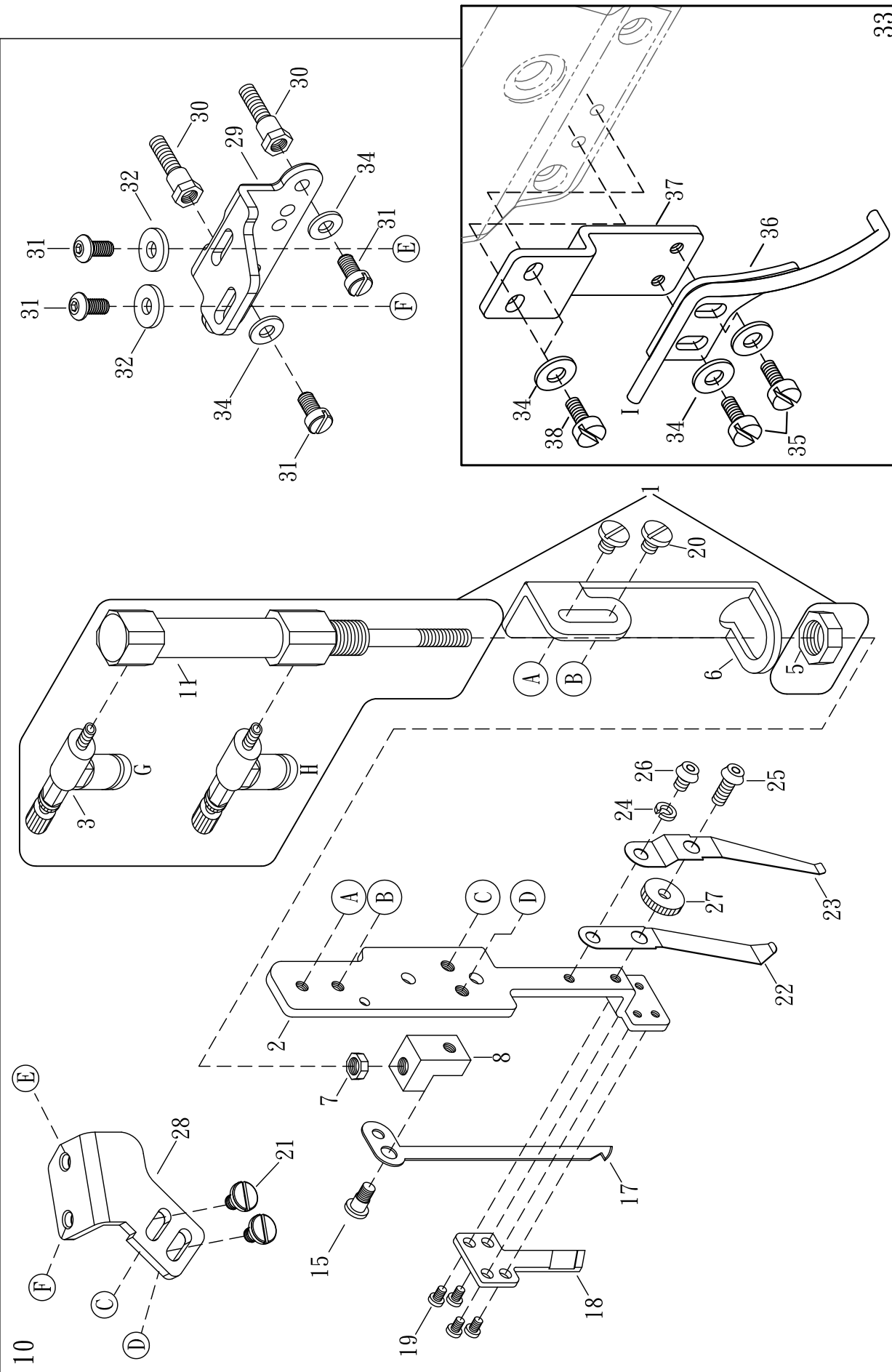


**PRESSER FOOT LIFTER (PNEUMATIC TYPE)(OPTIONAL) 氣壓式抬壓腳組與氣壓閥 壓力表(選配) 21**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
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	Pressure Meter	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	Y-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

風上切刀及吹風組

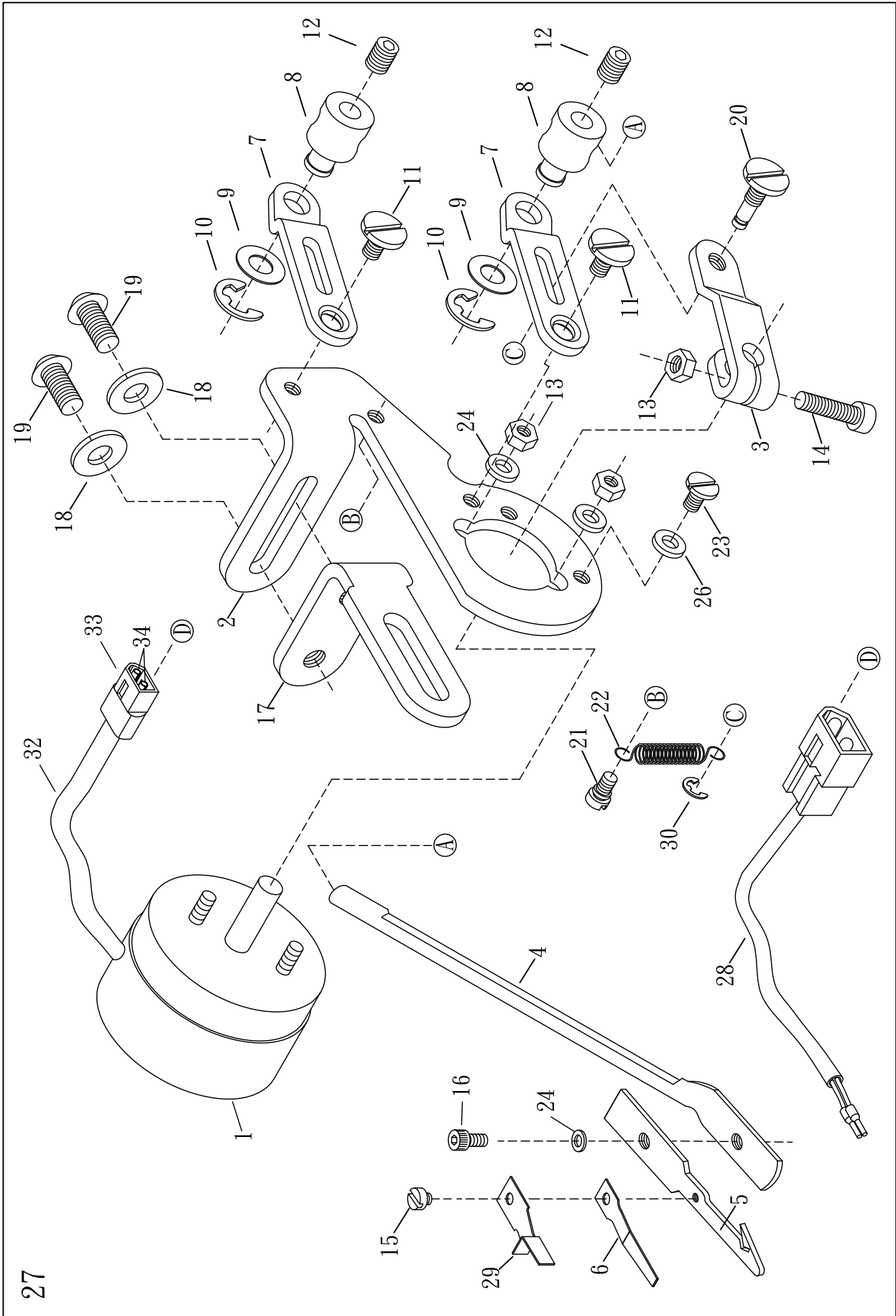
整組編 18-10A



**TOP THREAD TRIMMER (PNEUMATIC TYPE) AND AIR  
WIPER (OPTIONAL)**

**氣壓式上切刀機構與吹風組  
(選購) 22**

Ref. No.	Parts No.	Description	產 品 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	Complete Set Pneumatic Top Trimmer	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	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	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	WF04-1	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



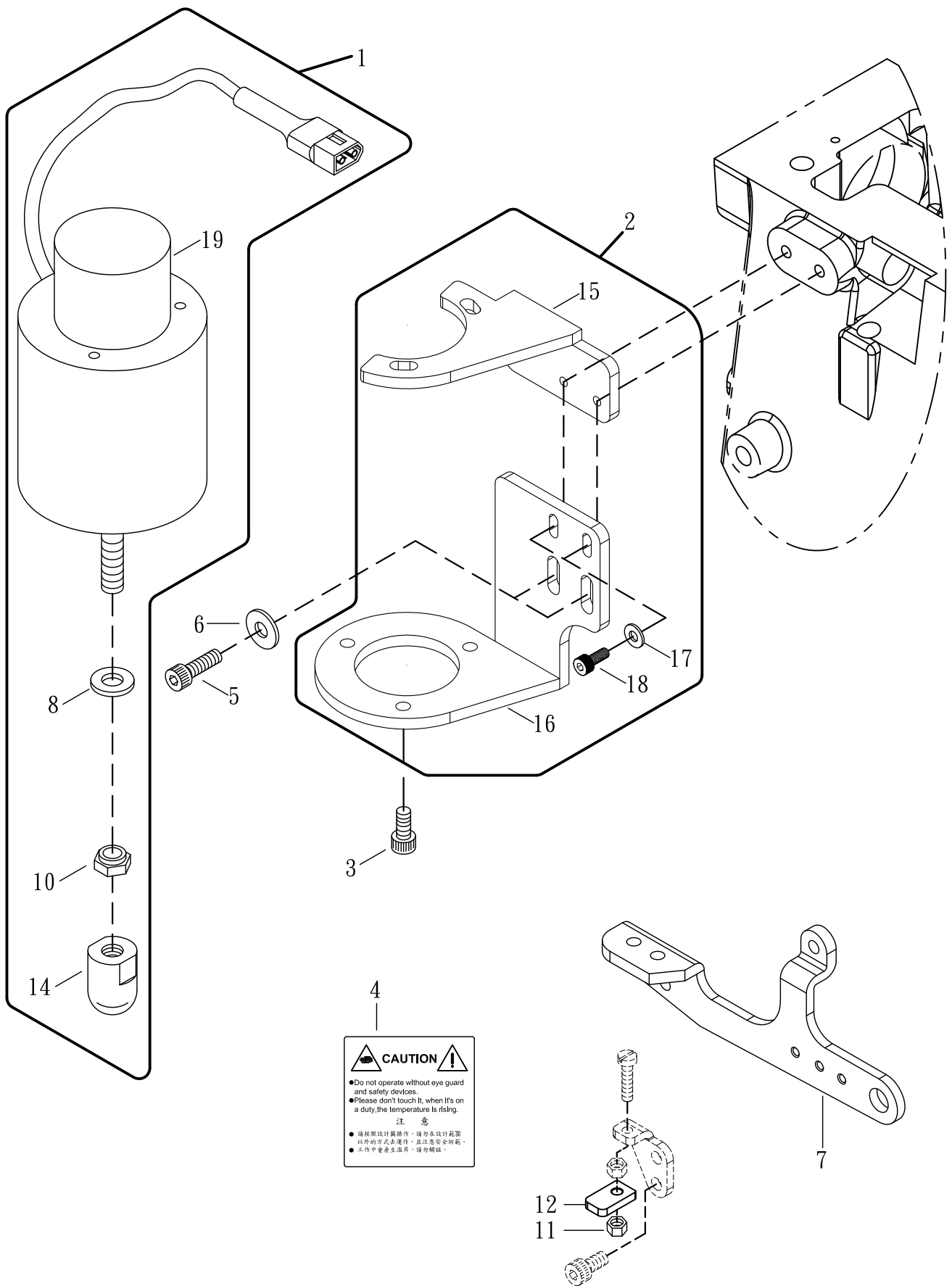
27

## ELECTRIC WIPER (OPTIONAL)

## 電磁式上撥線機構(選購)

23

Ref. No.	Parts No.	Description	產 品 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

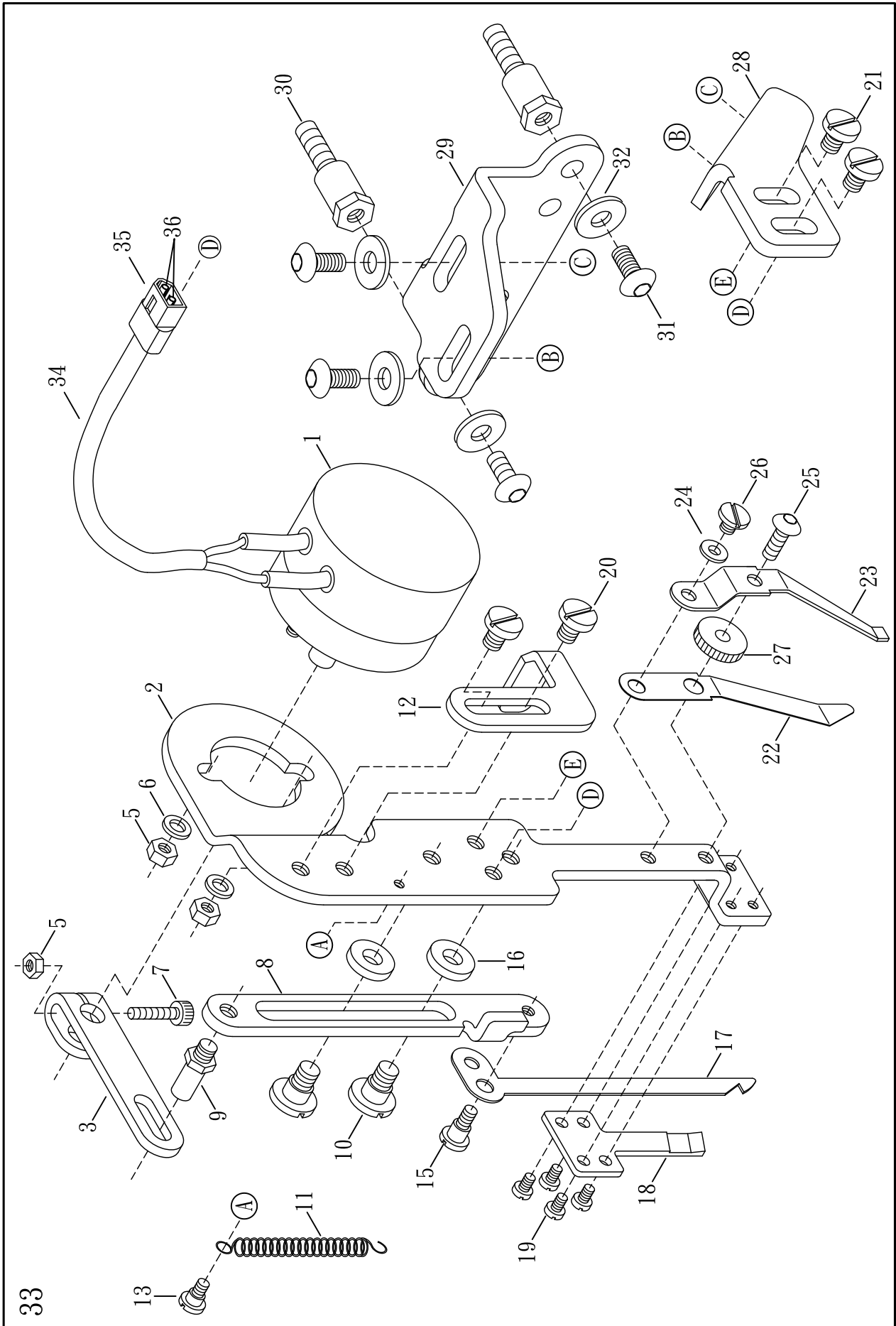


## PRESSER FOOT LIFTER (ELECTRIC TYPE) (OPTIONAL)

## 電磁式抬壓驅動機構(選購)

24

Ref. No.	Parts No.	Description	產 品 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	N0839I	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	WF04-1	Washer	墊片	2
18	SF226	Screw ( M4 - 0.7 × 12 )	螺絲	2
19	N2401	Solenoid	電磁閥	1





## TOP THREAD TRIMMER (ELECTRIC TYPE) (OPTIONAL)

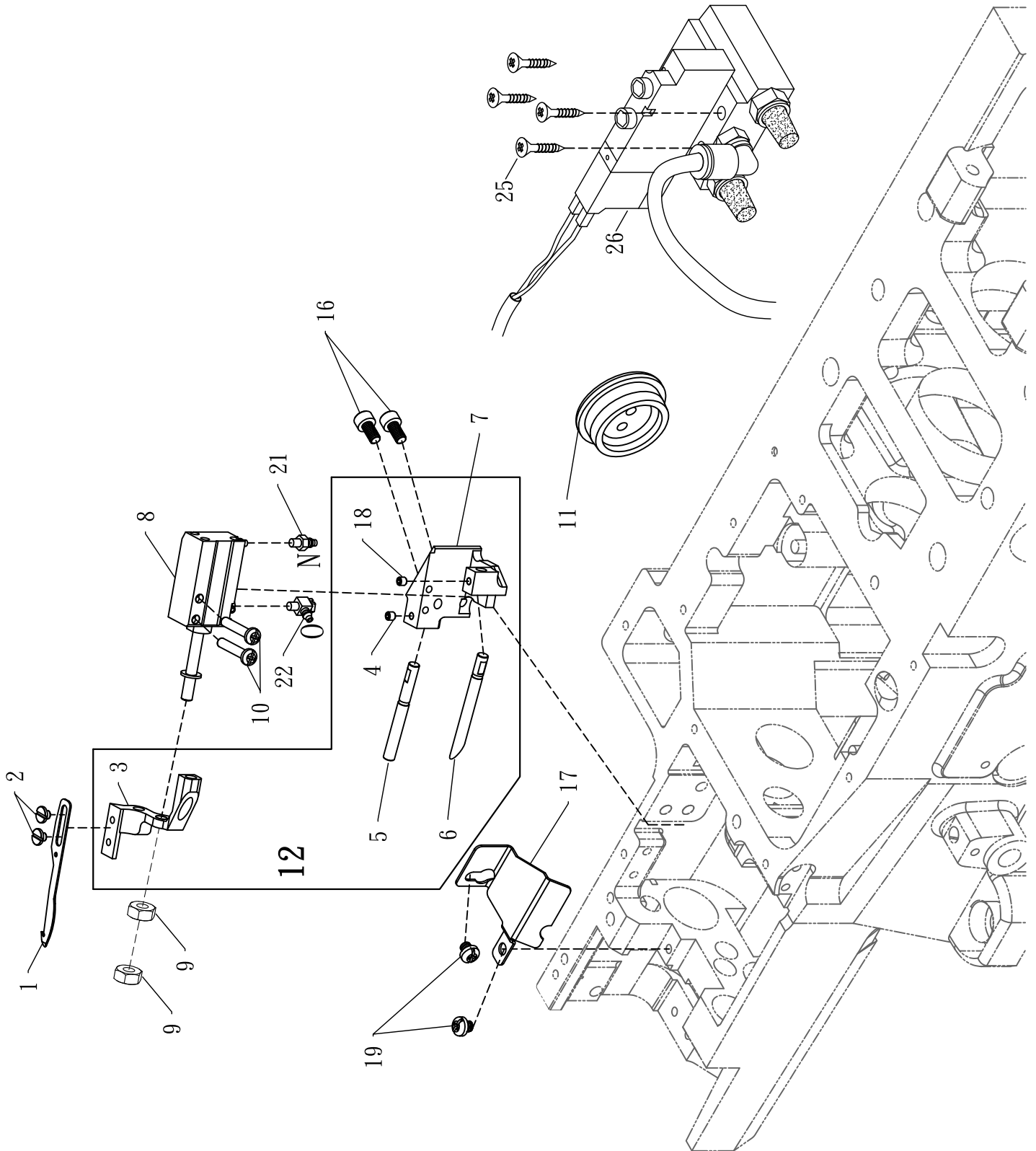
## 電磁式上切刀機構(選購)

25

Ref. No.	Parts No.	Description	產 品 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	30-33	Connector Cover	連接器套頭	1
36	20-34	Terminal	端子(母)	2

# STITCH LOCK MECHANISM

## 打結功能專用零件



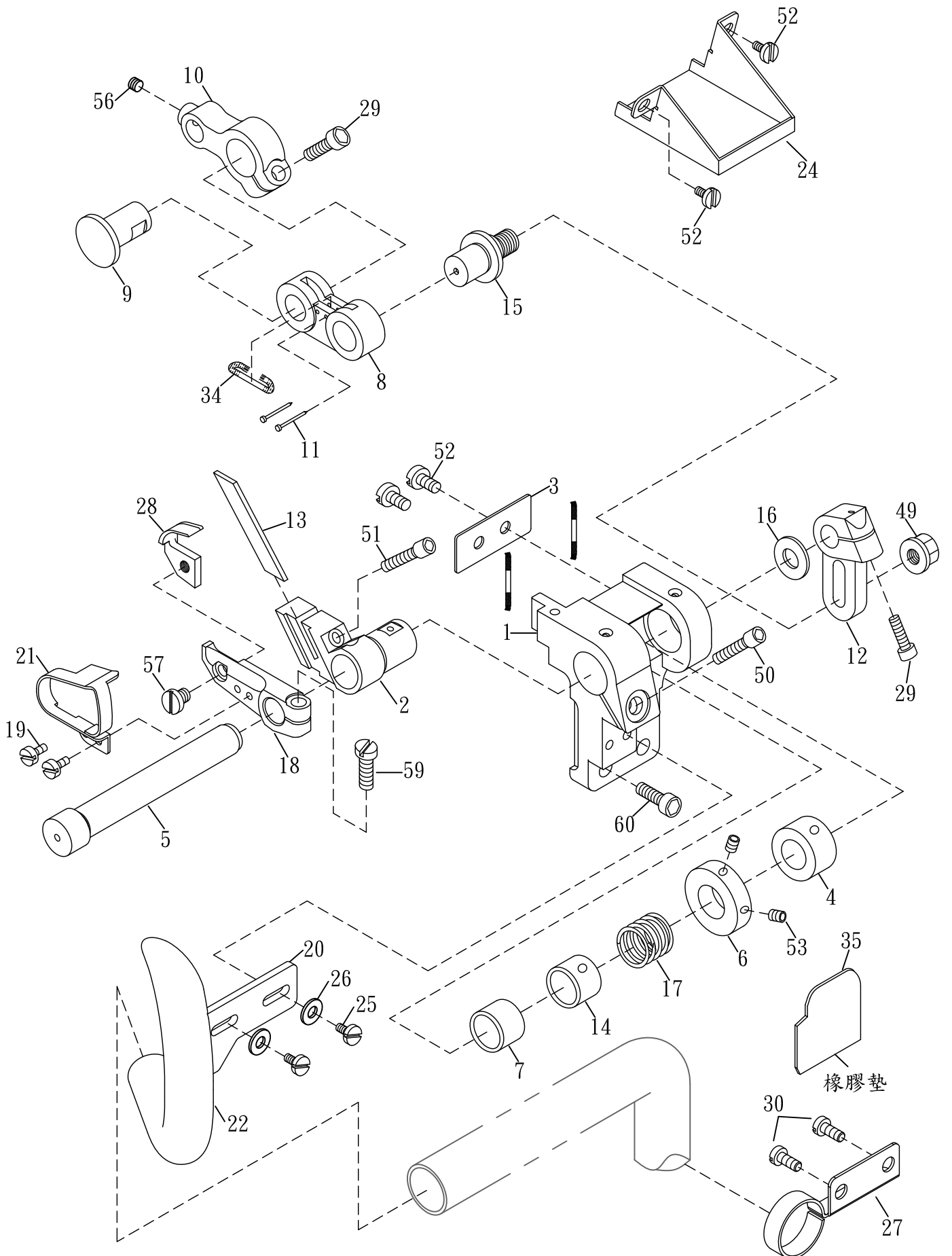
**STITCH LOCK MECHANISM (OPTIONAL)**

**打結功能: 鈎線機構 (選配)**

**26**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1	N2001-1	Thread Knife	鈎線刀	1
2	MDB040	Screw (M3 - 0.5 × 4)	螺絲	2
3	N2003	Air Cylinder Bracket	氣缸托架	1
4	GE26	Screw (M3 - 0.5 × 4)	螺絲	1
5	N2005-1	Shaft(Stitch Lock)	軸(打結功能)	1
6	N2006-1	Shaft (Stitch Lock)	軸(打結功能)	1
7	N2007	Driving Unit (Stitch Lock)	鈎線驅動座(打結功能)	1
8	N2008-1	Air Cylinder (Stitch Lock)(Set)	氣缸(打結功能)(整組)	1
9	MFU031	Nut	螺帽	2
10	J3671	Screw (M3 - 0.5 × 16)	螺絲	2
11	N2011	Oil Plug (Stitch Lock)	膠塞(打結功能)	1
12	<b>N2007-A</b>	<b>Looper Stitch Locking Unit</b>	<b>下鈎線驅動組</b>	<b>1</b>
13				
14				
15				
16	SF224	Screw (M4 - 0.7 × 8 )	螺絲	2
17	N2017	Cover	蓋	1
18	N2931	Screw (M3 - 0.5 × 3)	螺絲	1
19	SV220	Screw (M4 - 0.7 × 3.5)	螺絲	2
20				
21	N2021	Joint	接頭	1
22	N2022	90°Joint	90°接頭	1
23				
24				
25	J036	Wood Screw	木螺絲	4
26	27-22	Air Solenoid	1/8PT 2位電磁閥(單座)	1

VG-999-N800



## LEFT-HAND KNIFE DEVICE

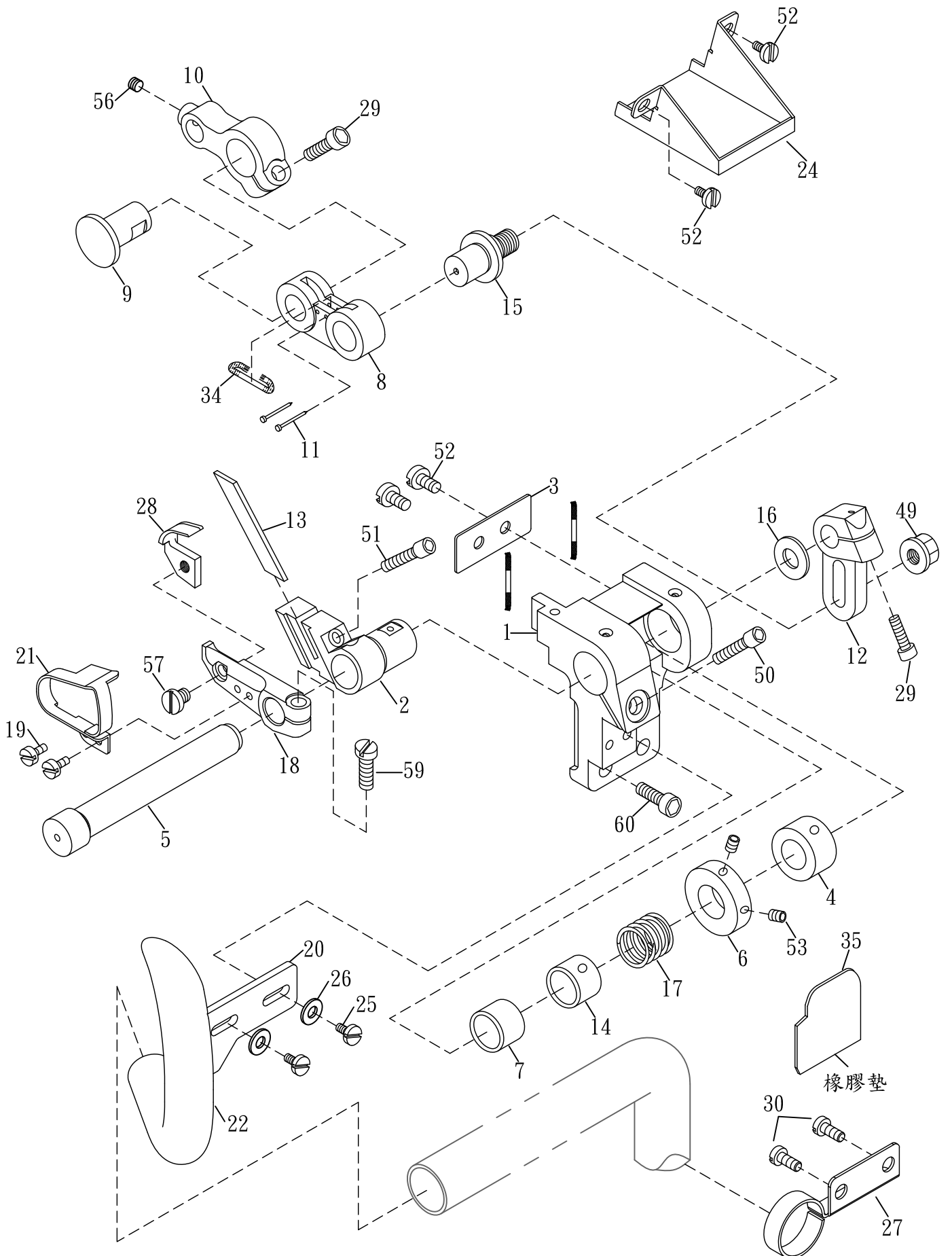
## 左修刀驅動機構

27

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1	NC2701	Knife Base	刀架固定座	1
2	25-2-1	Lower Knife Holder	下切刀座	1
3	NB2703	Plate	擋板	1
4	25-04	Self-Lubriated Bush(Larger)	自潤襯套(大)	1
5	25-05	Feed Shaft Level	刀嘴方位調整軸	1
6	NB2706	Coller	限位環	1
7	25-07-1	Self-Lubriated Bush(Small)	自潤襯套(小)	1
8	NC2708	Connecting Level	連接桿	1
9	25-09	Pin	連接銷	1
10	NB2710	Feed Shaft Level	調整桿	1
11	M1122	Pin	空心銷	2
12	25-12	Trimming Adjuster	刀距調節器	1
13	25-13-2	Lower Knife	下切刀	1
14	25-64	Self-Lubriated Bush(Small)	自潤襯套(小)	1
15	25-15	Adjusting Screw Pin	調節螺軸	1
16	VG16	Separator Ring	隔片	1
17	25-17	Spring	彈簧	1
18	25-18S	Upper Knife Holder	活動刀座	1
19	N0287	Screw (M2.5 - 0.45 × 5.2)	螺絲	2
20	TNB2720-3	Plate Supporter	風管支撐板	1
21	NC2721	Pbl Finger Guard	護手指	1
22	TNB2722-1	Suction Pipe	吸風彎管	1
23				
24	NB2724	Oil Protection Box	防油盒	1
25	SV232	Screw (M4 - 0.7 × 10)	螺絲	2
26	WF04-1	Washer	墊片	2
27	NC2727	Fixed Annulation	塑膠管固定環	1
28	25-28-1	Upper Knife	彎切刀(活動刀)	1
29	SF226	Screw ( M4 - 0.7 × 12 )	螺絲	2
30	SV262	Screw ( M6 - 1.0 × 10 )	螺絲	2
31				
32				
33				
34	M1136	Felt	吸油棉	1
35	25-35	Anti-Shock Rubber	橡膠墊	1
36				
37				
38				
39				
40				

\* Ref. No. 41 to 60 .....See the following page

VG-999-N800



## LEFT-HAND KNIFE DEVICE

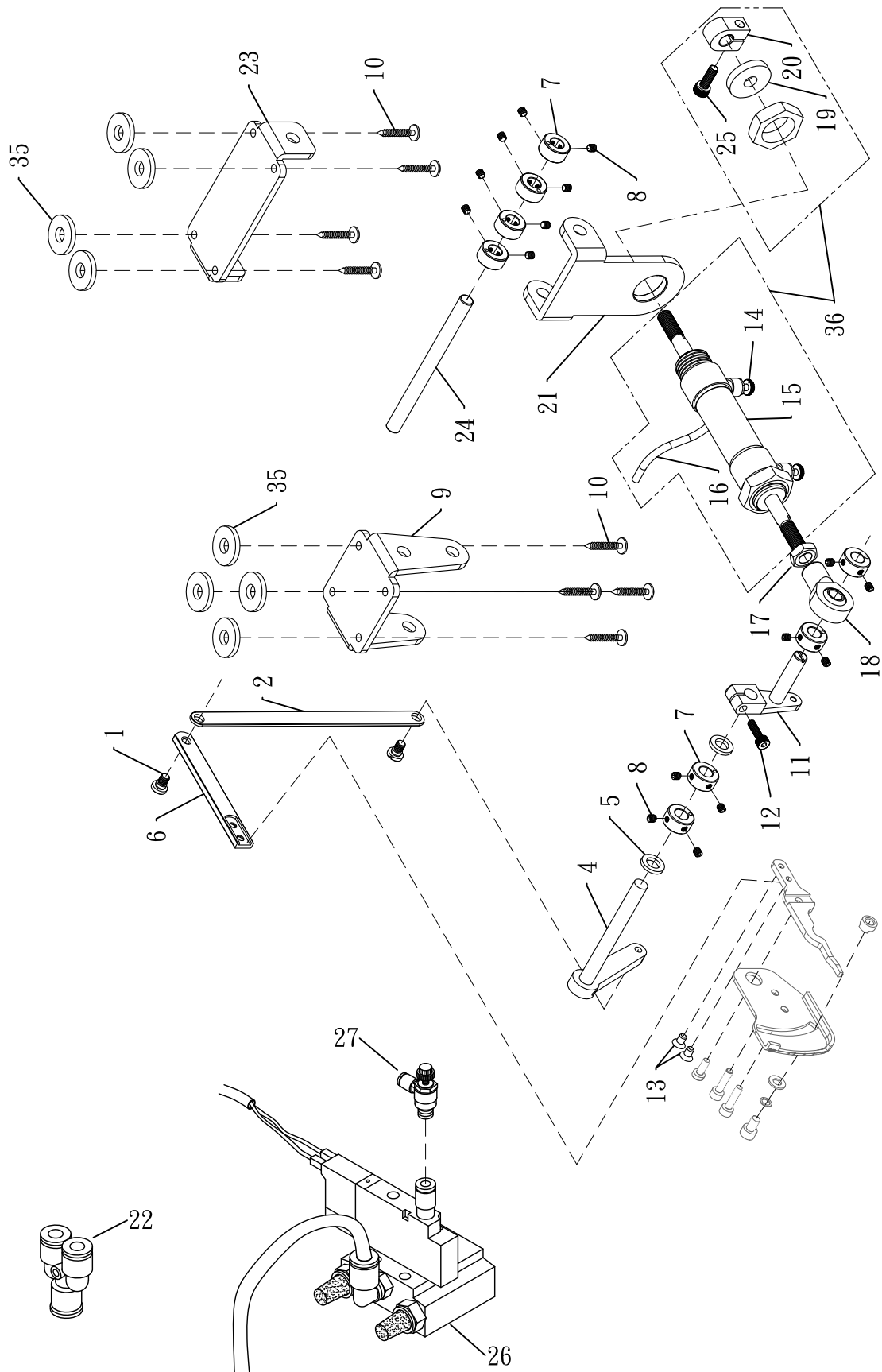
## 左修刀驅動機構

Ref. No.	Parts No.	Description	產 品 名 稱	27 Amt . Req .
41				
42				
43				
44				
45				
46				
47				
48				
49	NF31	Nut	螺帽	1
50	SF231	Screw ( M5 - 0.8 × 14 )	螺絲	1
51	SV223	Screw ( M4 - 0.7 × 14 )	螺絲	1
52	17-38	Screw ( M4 - 0.7 × 4 )	螺絲	4
53	SCQ040-1	Screw ( SM 9/64-40 × 4 )	螺絲	2
54				
55				
56	SV227	Screw ( M4 - 0.7 × 5 )	螺絲	1
57	SV112	Screw ( SM9/64 - 40 × 4.5 )	螺絲	1
58	SV215	Screw ( M3 - 0.5 × 5 )	螺絲	1
59	SV121	Screw ( SM11/64 - 40 × 12 )	螺絲	1
60	SF230	Screw ( M5 - 0.8 × 12 )	螺絲	3

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

氣壓式密縫機構組(選配)

Pneumatic Condenses Stitch Mechanism (Optional)





**PNEUMATIC CONDENSE STITCH MECHANISM**  
**(OPTIONAL)**

**氣壓式密縫機構組(選購)**

**28**

Ref. No.	Parts No.	Description	產 品 名 稱	Amt. Req.
1	L0328	Screw ( M5-0.8 x 5 )	螺絲	2
2	M3002-1	Intermediate Lever	連接拉柄	1
3				
4	M3004	Tension Release Shaft(Left)	拉力釋放曲軸(左)	1
5	VH51	Washer	華司	4
6	N3401	Lever	連桿	1
7	VH32	Collar	止推緊環	6
8	SF228	Screw ( M4-0.7 × 4 )	螺絲	12
9	M3009	Bracket	曲軸拖架	1
10	M3010	Screw ( 5/32 x 1 )	鐵皮螺絲	8
11	M3011-1	Tension Release Lever	拉力釋放槓桿(左)	1
12	SV223	Screw ( M4-0.7 × 14 )	螺絲	1
13	17-13	Screw ( M4-0.7 x 6.5 )	螺絲	2
14	21-03	Air Regulator	調節閥	2
15	L1701	Presser Foot Lifter Solenoid	抬押腳電磁閥	1
16	1M036-1	Air Hose	風管(φ4 X φ2.5 X 300)	1
17	NV14	Nut (M8)	螺帽 ( M8 )	1
18	19-23	Plunger Connecting Pin	魚眼軸承	1
19	21-06	Rubber Cushion	避震膠墊	1
20	21-07	Collar	止推座	1
21	M3021	Bracket	氣缸拖架	1
22	S045	T-Type Air Connector	風管三通接頭	1
23	M3123	Bracket	連接支撐架	1
24	M3024	Shaft	軸	1
25	SF231	Screw ( M5-0.8 × 18 )	螺絲	1
26	27-22	Air Solenoid	2位電磁閥(單座)(1/8PT )	1
27	21-03	Air Regulator	調節閥	1
28				
29				
30	M3130	Connecting Cord	連接線	1
31				
32				
33				
34				
35	15-35	Supporting Board Rubber Cushion	底座支架橡膠避震墊片	8
36	21-01	Trimming Cylinder Complete Set	氣缸組	1





SINCE 1989

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## 星菱牌工業用縫紉機

### INDUSTRIAL SEWING MACHINE



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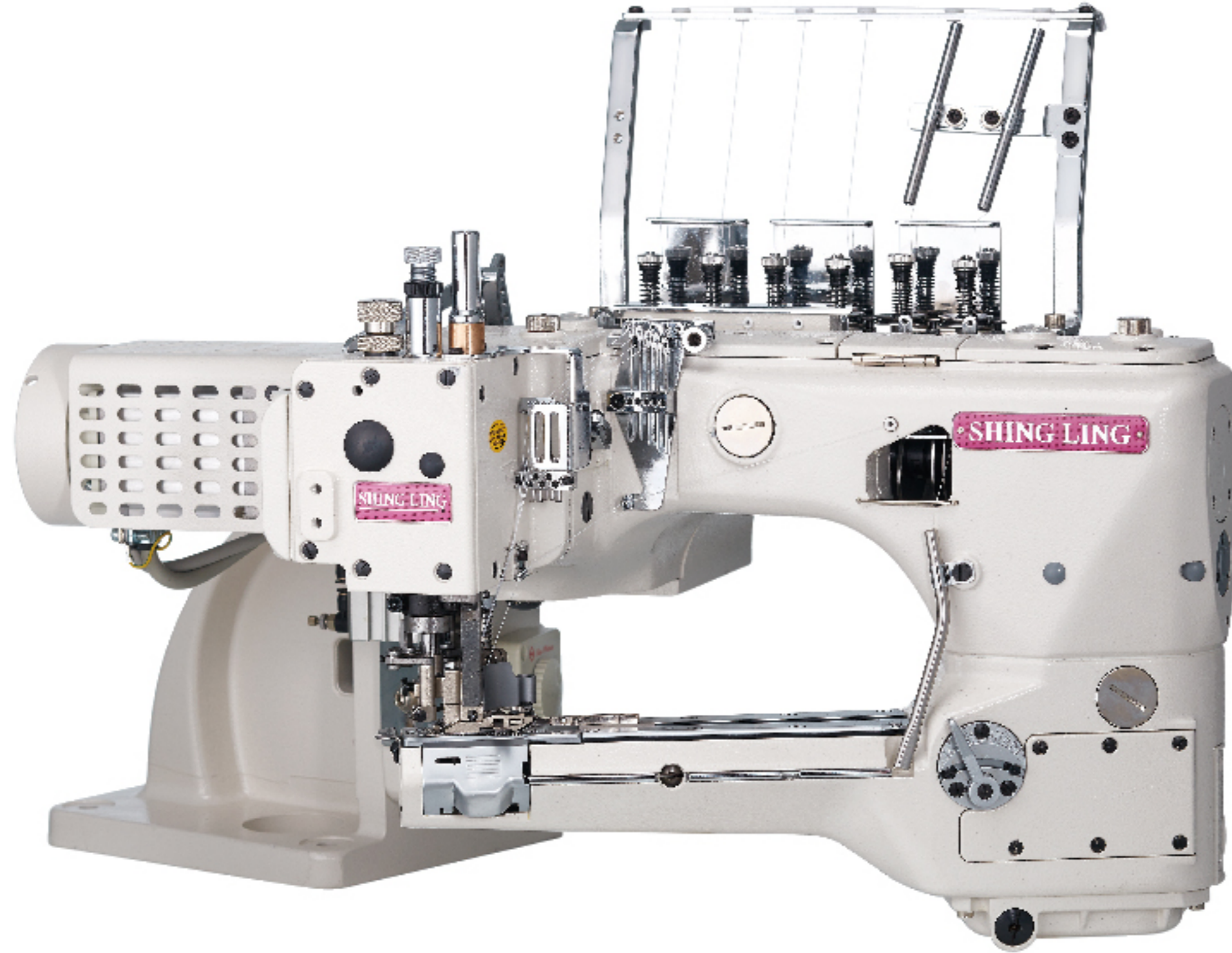
台正字第8144號



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)



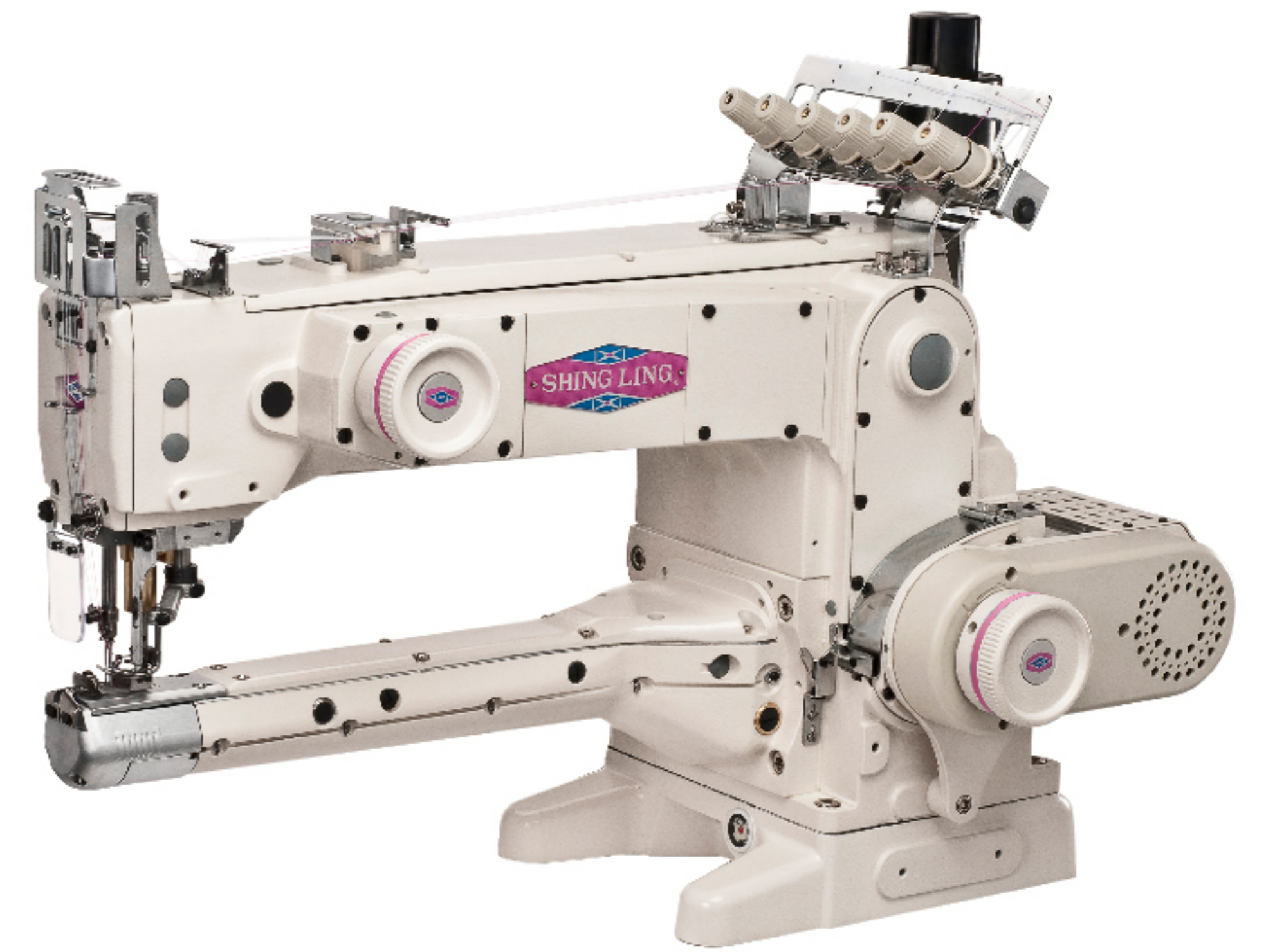
#### SL-2700-AST/EST

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



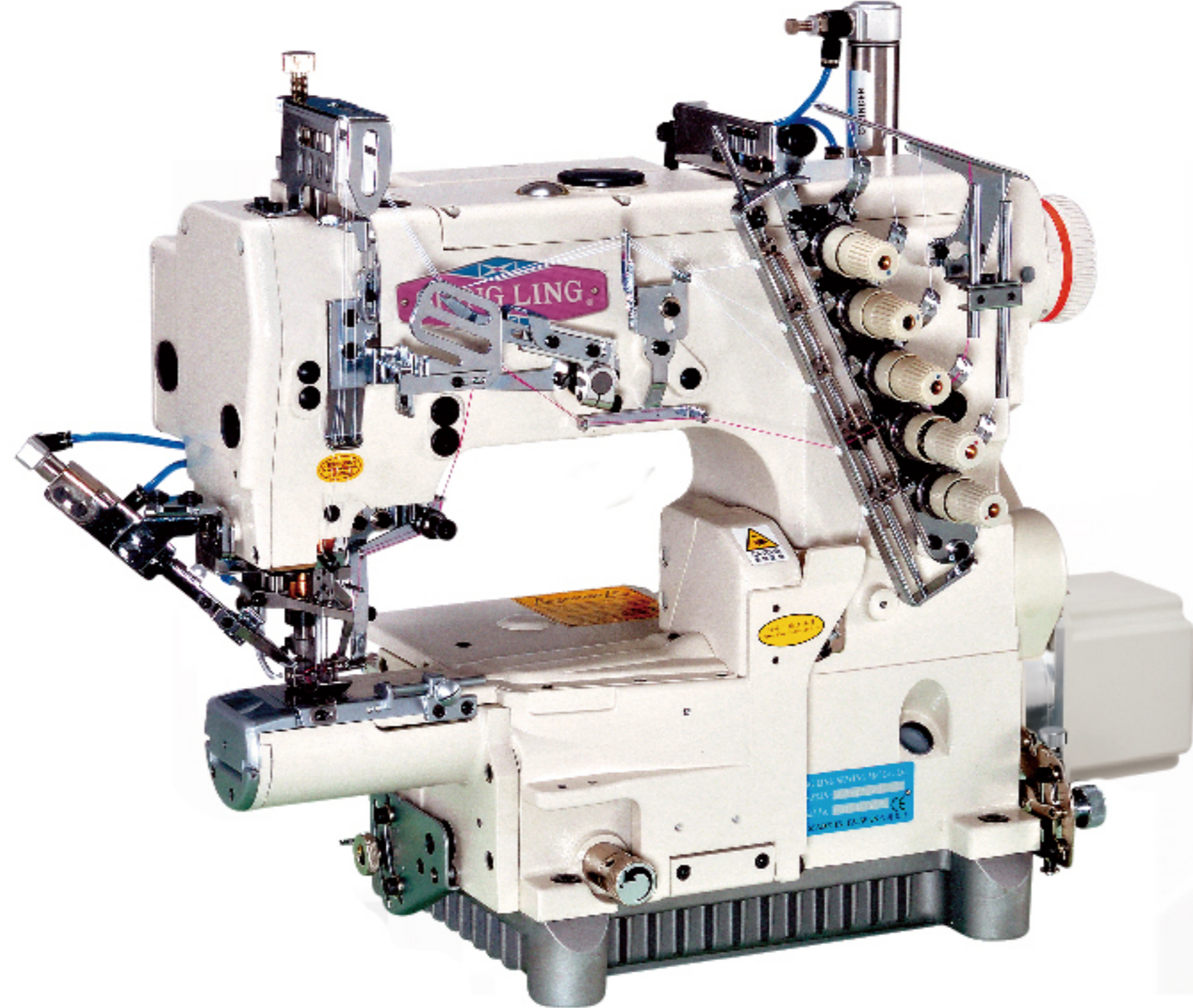
#### VG-999ES-AST-TF-DS

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



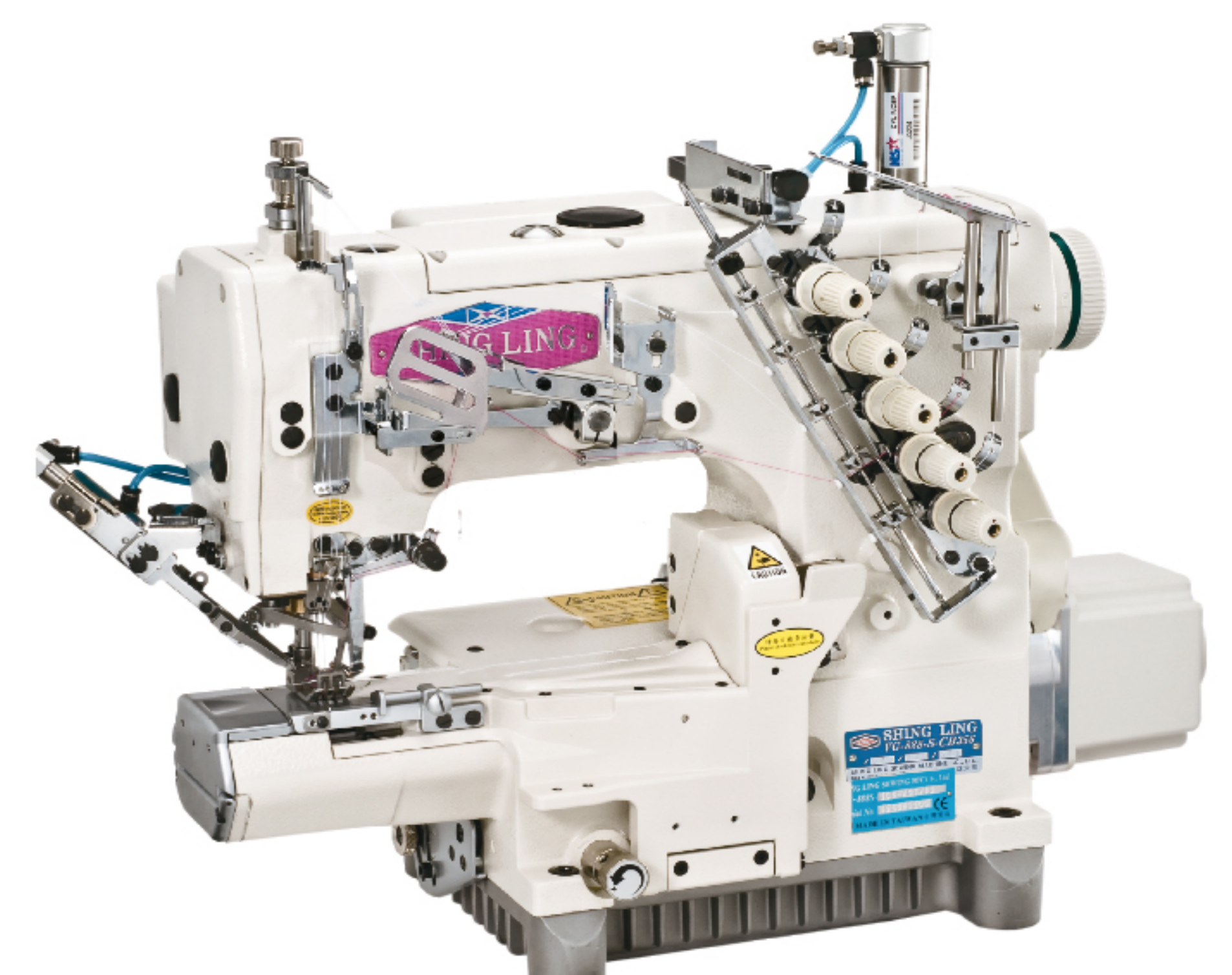
#### VG-888S-TF-AST

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)



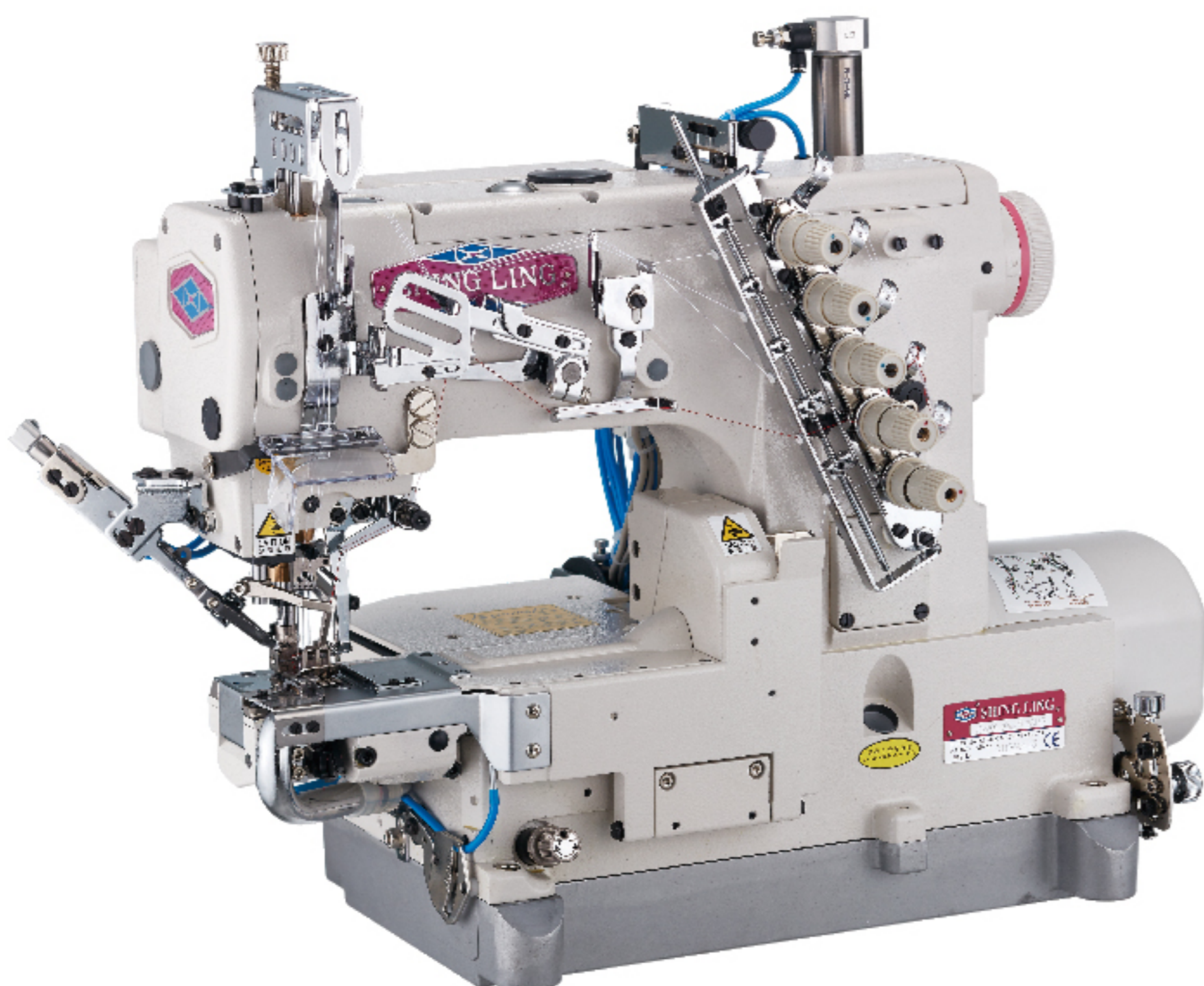
#### VG-888A-TF/AST

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)



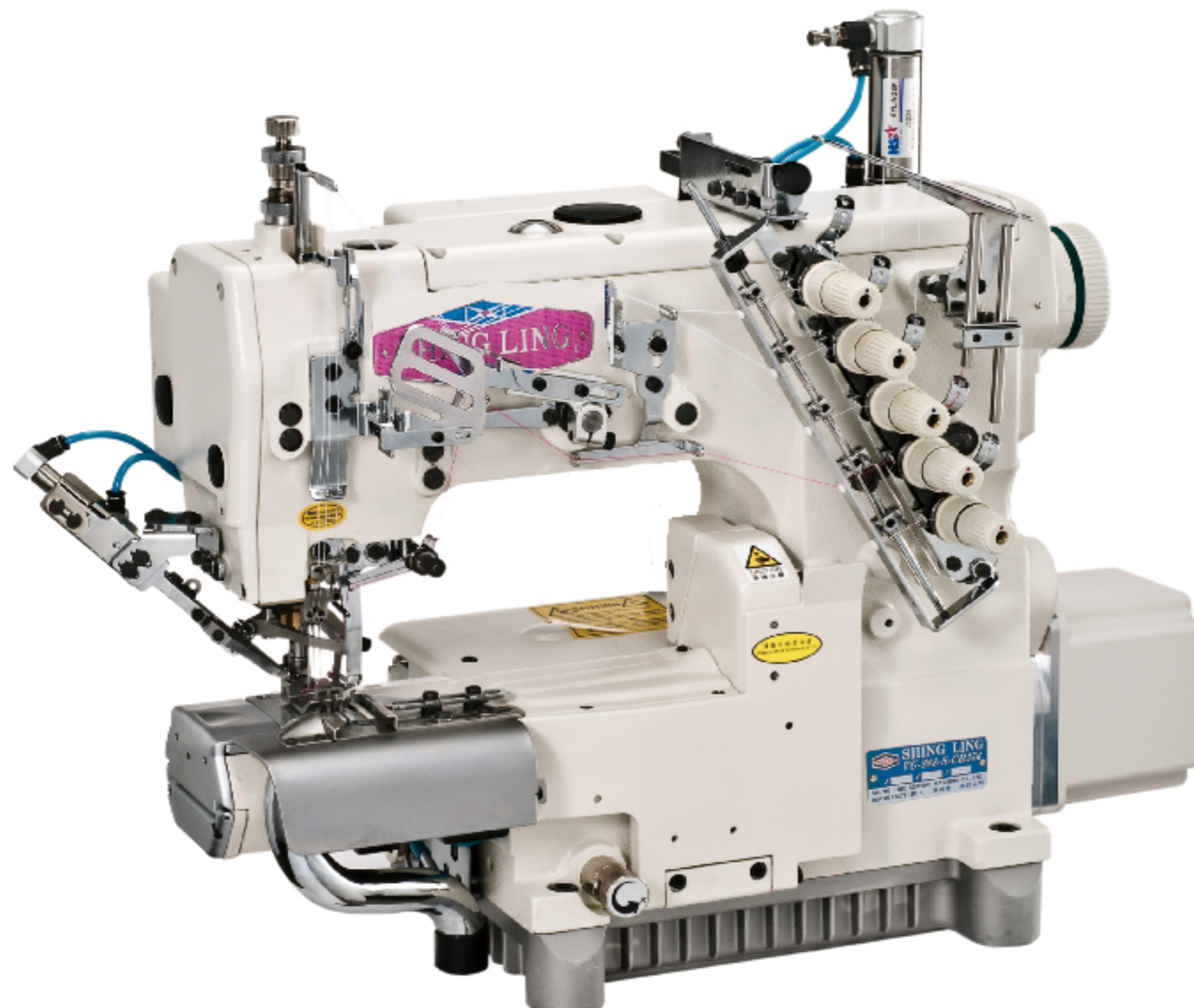
#### VG-999S-N700-AST-TF-DS

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



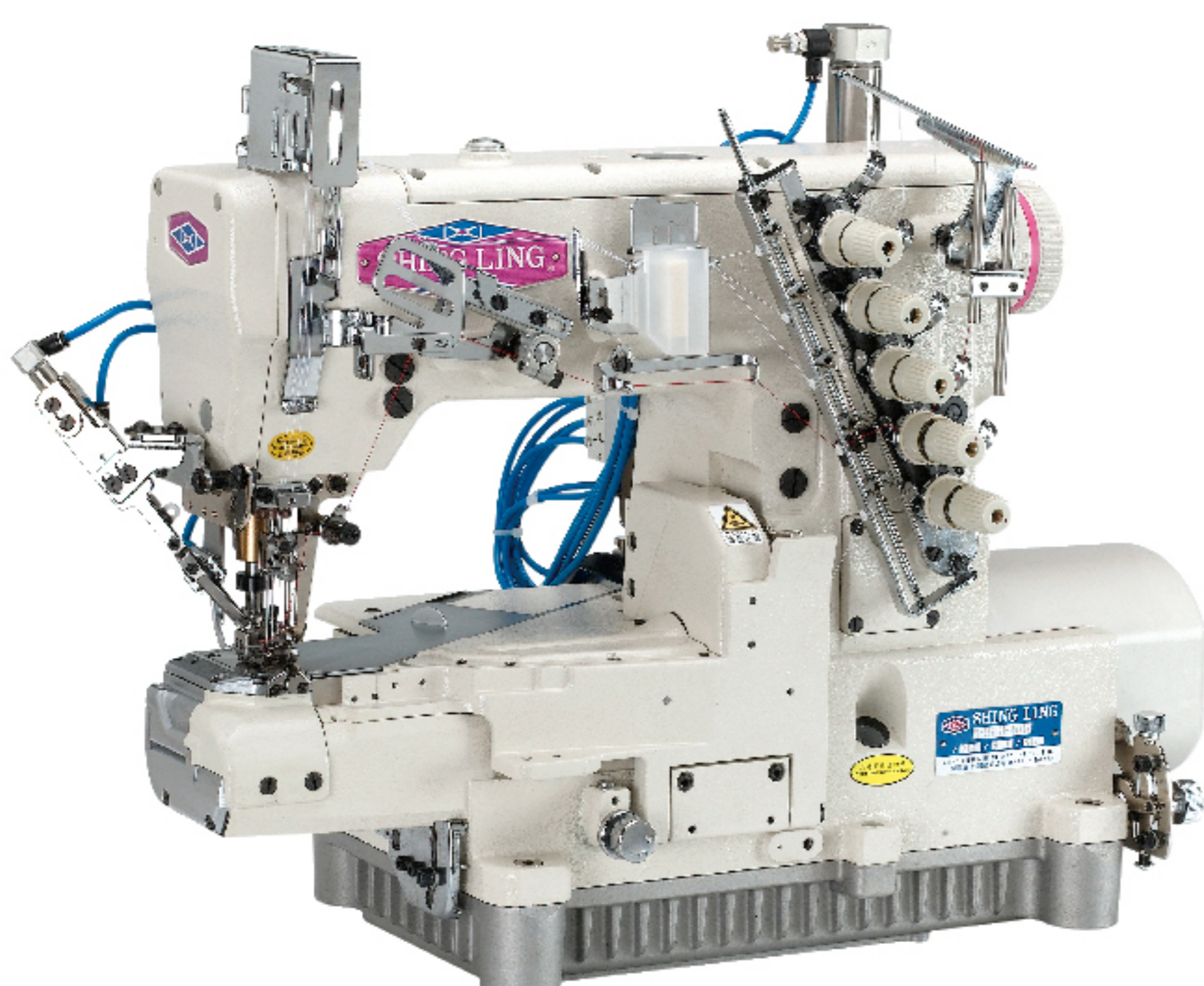
#### SL-1790S

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

