



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



VG-999ES-AST-TF-DS

超細筒型三針五線雙面飾綳縫機
3-needle 5-thread Extremely Small Cylinder-bed
Interlock Machine with Thread Trimmer



零件手冊 Spare Parts Book



星菱縫機股份有限公司
SHING LING SEWING MACHINE CO., LTD.
CE ISO 9001:2008/CNS 12681



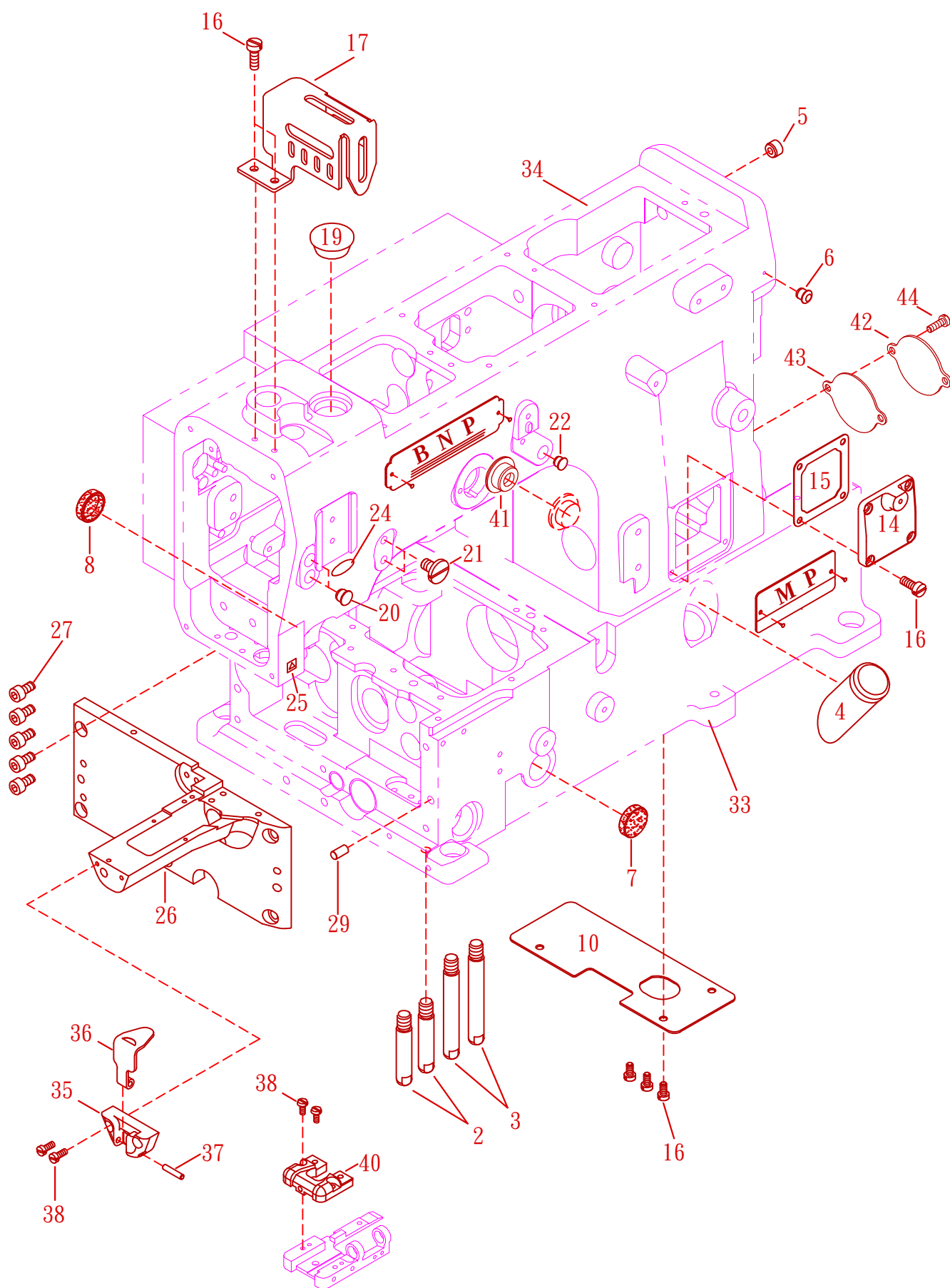
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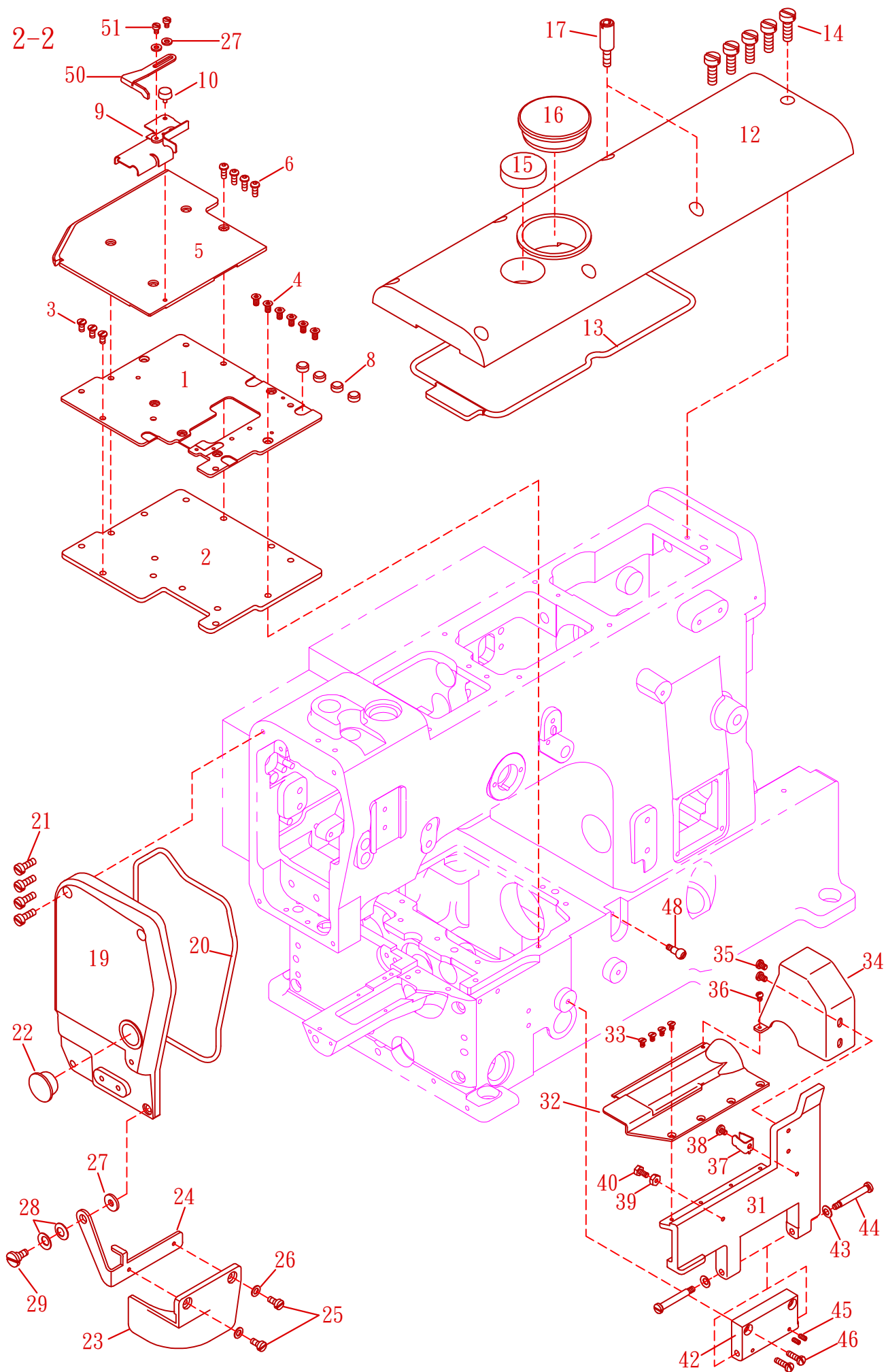
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2-1



MISCELLANEOUS COVERS(1)
機殼及外蓋(1)
**2-1
Amt .
Req .**

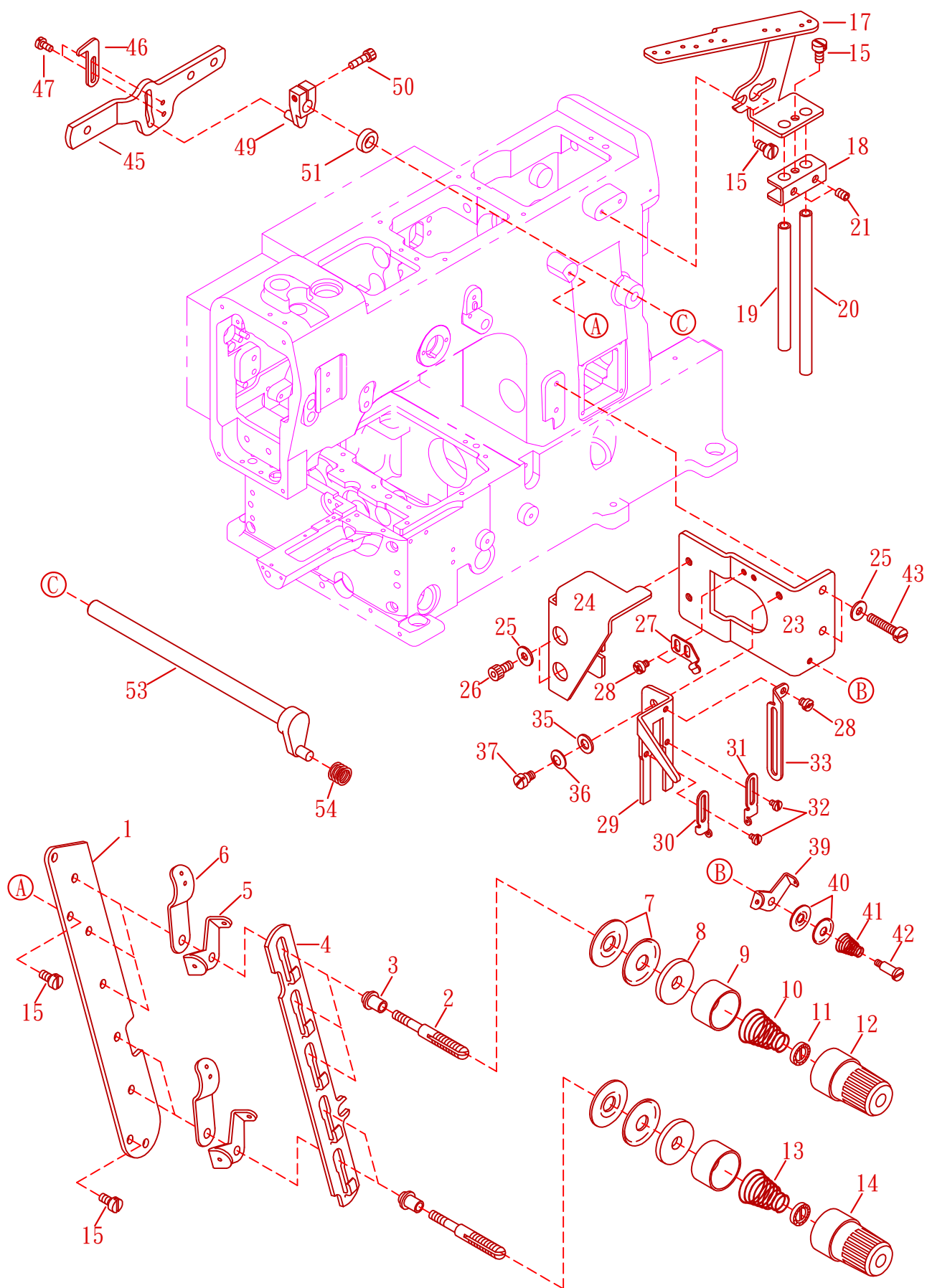
Ref. No.	Parts No.	Description	零 件 名 稱	
1				
2	S0202	Machine Frame Supporting Bar (Short)	機體腳樁(短)	2
3	S0202L	Machine Frame Supporting Bar (Long)	機體腳樁(長)	2
4	N1345	Oil Sight Gauge	外視油量計	1
5	RF08-1	Seal Plug	膠塞	1
6	N0220	Seal Plug	膠塞	1
7	S0207	Seal Plug	止油封塞	1
8	S0208	Seal Plug	止油封塞	1
9				
10	S0210-1	Dust-proof Plate	防塵蓋	1
11				
12				
13				
14	M0142	Loop Thread Take-up Cover	提線輪組護蓋	1
15	N0137	Head Cover Gasket	防油墊片	1
16	SV221	Screw (M4 × 0.7 - 8)	螺絲	9
17	M0106	Needle Bar Guard	針柱護罩	1
18				
19	M1218	Seal Plug	膠塞	1
20	M0121	Seal Plug	膠塞	2
21	GJ39	Screw (M6 × 1.0 - 10)	螺絲	2
22	M0103	Seal Plug	膠塞	1
23				
24	VB42-4	Sticker(UY128)	貼紙(UY128)	1
25	VB42-1	Sticker	貼紙(敬請注意)	1
26	Q0226	Lower Arm Frame	下顎	1
27	SV252Ni	Screw (M5 × 0.8 - 10)	螺絲	5
28				
29	S0229	Knock Pin	固定銷	2
30				
31				
32				
33	Q0233	Lower Frame Unit	下座	1
34	M0145	Machine Farme Unit	機殼	1
35	Q0417	Cylinder Side Cover Hinge	圓筒側蓋樞鈕	1
36	Q0411	Cylinder Side Cover (Upper)	圓筒上側蓋	1
37	Q0416	Side Cover Hinge Pin	樞鈕插銷	1
38	MDA080	Screw (M3 - 0.5 × 8)	螺絲	4
39				
40	Q0414	Stitch Plate Base	針板座	1
41	N0212	Seal Plug	膠塞	1
42	N0246	Thread Take - up Cover (Rear)	提線護蓋 (後)	1
43	N0273	Head Cover Gasket	防油墊片	1
44	L0202Ni	Screw (M4 - 0.7 × 10)	螺絲	2



原3,4

MISCELLANEOUS COVERS(2)
機殼及外蓋(2)

Ref. No.	Parts No.	Description	零 件 名 稱	2-2 Amt . Req.
1	Q0401	Crank Chamber Cover	曲軸室上蓋	1
2	Q0402	Crank Chamber Cover Gasket	曲軸室墊片	1
3	MFB080	Screw (M4 × 0.7 - 8)	螺絲	3
4	SV228	Screw (M4 × 0.7 - 8)	螺絲	6
5	Q0405	Cloth Plate (Large)	縫製平台	1
6	LL0203Ni	Screw (M4 × 0.7 - 14)	螺絲	4
7				
8	S0608	Seal Plug	膠塞	4
9	Q0409	Dust-proof Plate	防塵蓋	1
10	Q0410	Screw (M3 × 0.5 - 6)	螺絲	1
11				
12	M0215	Top Cover	上蓋	1
13	M0218	Top Cover Gasket	上蓋方形油環	1
14	SV241	Screw (M4 × 0.7 - 14)	螺絲	5
15	M0217	Oil Sight Window	外視油鏡	1
16	M0216	Seal Plug	止油封塞	1
17	M0256	Stud (M4 × 0.7)	螺椿	2
18				
19	M0204-1	Arm Cover (Left)	上側蓋	1
20	M0207	Head Cover Gasket	上側蓋菱形油環	1
21	SV222	Screw (M4 × 0.7 - 12)	螺絲	4
22	M0208	Seal Plug	封塞	1
23	M0209-2	Eye Guard	護目鏡片	1
24	M0212	Eye Guard Holder	護目鏡支架	1
25	GK08	Screw (M3 × 0.5 - 6)	螺絲	2
26	GE47	Washer	墊片	2
27	WF04-1	Washer	墊片	3
28	M0213	Washer	波浪華司	2
29	M0214	Screw (M4 × 0.7 - 4)	螺絲	1
30				
31	Q0326	Front Cover (Lower)	前蓋底座	1
32	Q0339	Front Cover (Upper)	前蓋頂座	1
33	SV211	Screw (M3 - 0.5 × 6)	螺絲	4
34	Q0333	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	SV239	Screw (M4 - 0.7 × 5)	螺絲	1
39	NF27	Nut (M4 - 0.7)	螺帽	1
40	S0243	Screw (M4 - 0.7 × 14)	螺絲	1
41				
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	SF242	Screw (M4 - 0.7 × 3)	螺絲	2
46	SV241	Screw (M4 - 0.7 × 14)	螺絲	2
48	SV230	Screw	螺椿	1
49				
50	Q2416	Width Adjusting	可調式擋邊	1
51	SF222Ni	Screw (M4 - 0.7 × 6)	螺絲	2

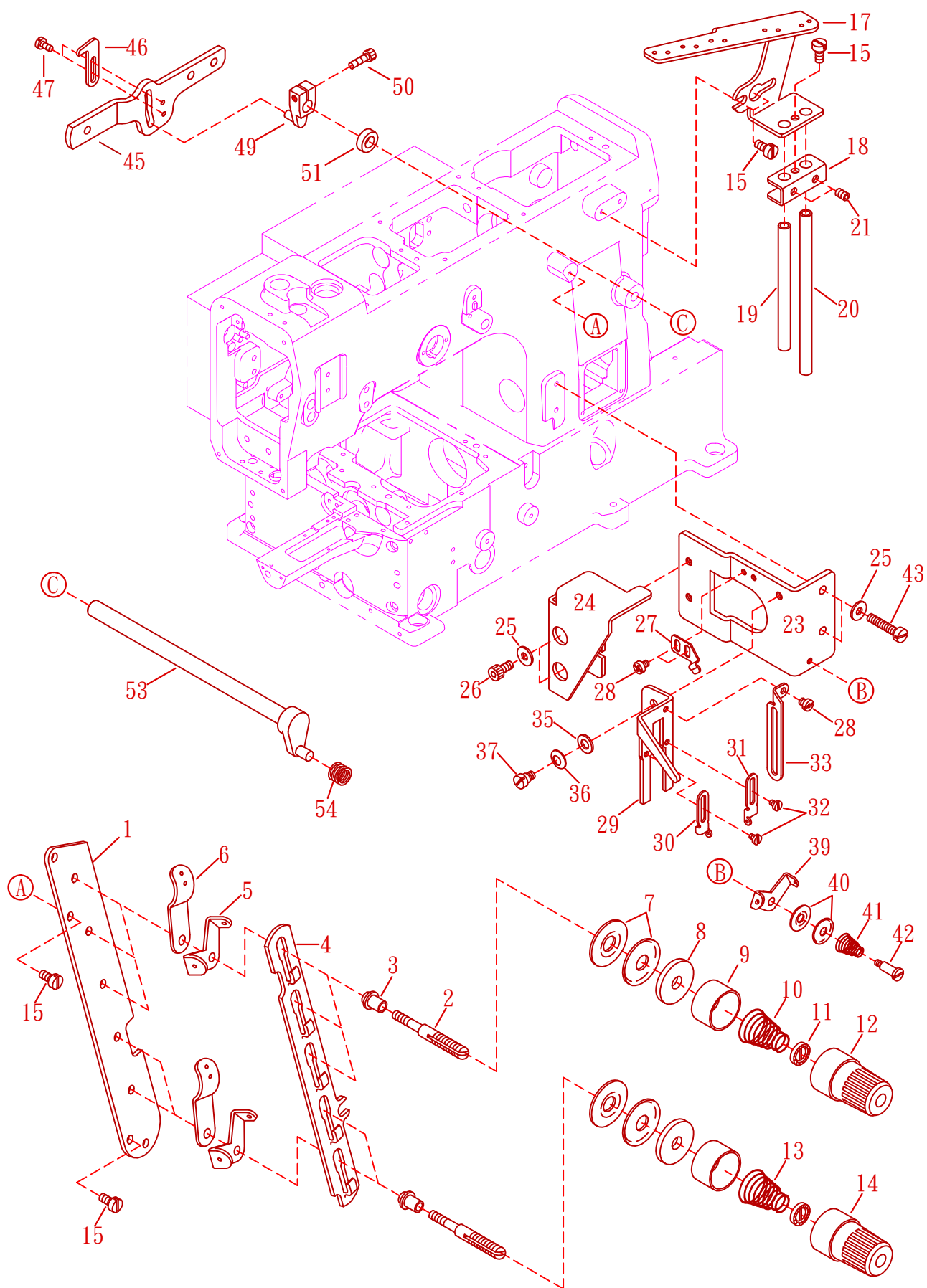


普通
Plain

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	VC14	Tension Post Support (5 Threads)	上線張力組支柱座 (三針五線)	1
	VC14-1	Tension Post Support (6 Threads)	上線張力組支柱座 (四針六線)	
2	VC09-1	Tension Post	上線張力彈簧支柱	5
3	VC10	Tension Post Ferrule	上線張力支柱隔環	5
4	VC11	Tension Disc Separator (5 Threads)	上線張力圓盤鬆線滑板(三針五線)	1
	VC11-1	Tension Disc Separator (6 Threads)	上線張力圓盤鬆線滑板(四針六線)	
5	VC12	Tension Disc Eyelet	上飾線過線板	5
6	VC13	Thread Lead - in Guide	過線導片	5
7	FK14	Tension Disc	張力過線盤(大)	10
8	FK12-1	Felt	氈墊	5
9	FJ21	Thread Tension Spring Retainer	上線張力彈簧固定座	5
10	VC03	Needle Thread Tensoin Spring	針線張力彈簧	3
11	FK19	Tension Spring Disc Support	張力調整圓盤	5
12	FK20-1	Thread Tension Spring Cap (B)	上線張力調整鈕 (藍)	3
13	VC05	Top Cover Thread Tension Spring	上線張力彈簧	2
14	FK20	Thread Tension Spring Cap (R)	上線張力調整鈕 (紅)	2
15	SV221	Screw (M4 - 0.7 × 8)	螺絲	5
16				
17	VC21	Thread Guide Plate (5 Threads)	過線導板 (三針五線)	1
	VC21-1	Thread Guide Plate (6 Threads)	過線導板 (四針六線)	
18	VC20	Thread Eyelet Pipe Stay	過線導管固定座	1
19	VC18	Thread Eyelet Pipe (Short)	過線導管 (短)	1
20	VC17	Thread Eyelet Pipe (Long)	過線導管 (長)	1
21	SV227	Screw (M4 - 0.7 × 5)	螺絲	2
22				
23	S0234	Thread Take-up Eyelet Bracket	提線組托架	1
24	S0232-1	Thread Take - up Cover (Rear)	提線護蓋 (後)	1
25	WF04	Washer	墊片	4
26	SF224	Screw (M4 - 0.7 × 8)	螺絲	2
27	VC58	Latch Spring	鎖門彈簧	1
28	SV214	Screw (M3 - 0.5 × 4)	螺絲	3
29	VC49-1	Thread Take-up Eyelet Holder	提線托板	1
30	VC57	Thread Take - up Eyelet (Left)	調線板 (左)	1
31	VC55	Thread Take - up Eyelet (Right)	調線板 (右)	1
32	SV206	Screw (M2.5 - 0.45 × 3.5)	螺絲	2
33	VC53-1	Looser Thread Guide	下飾線托線板	1
34				
35	VB29	Washer	墊片	1

* Ref.No. 36 to 54 See the following page

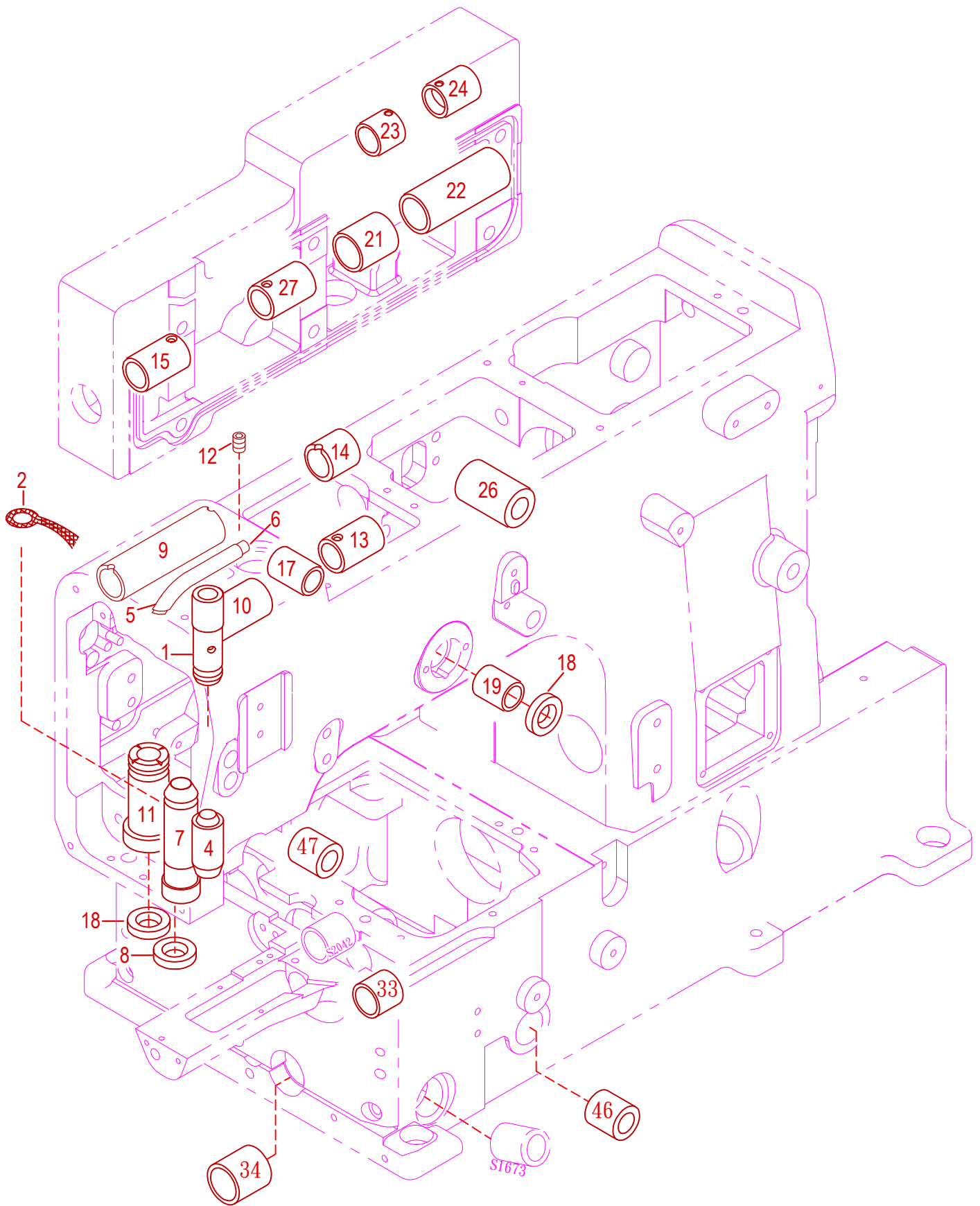


普通
Plain

MISCELLANEOUS THREAD EYELETS(Plain)**過線裝置及附件(普通)****3**

Ref.	Parts			Amt .
No.	No.	Description	零 件 名 稱	Req .
36	VB29-1	Conical Spring Washer	錐形彈簧墊片	1
37	SV240	Screw (M4 - 0.7)	螺絲	1
38				
39	VC46	Looper Thread Eyelet	下勾針過線板	1
40	FC24	Supplementary Tension Disc	上飾線過線盤(小)	2
41	VC42	Supplementary Tension Spring	彈簧	1
42	SV218	Screw (M3 - 0.5)	螺絲	1
43	SF221	Screw (M4 - 0.7 × 20)	螺絲	2
44				
45	M0372	Lifter Lever	揚升臂	1
46	VH43	Lifter Lever Stop	提升限位片	1
47	SF114	Screw (SM9 / 64 - 40 × 7.5)	螺絲	2
48				
49	VH46	Tension Release Lever	拉力釋放槓桿	1
50	SV223	Screw (M4 - 0.7 × 14)	螺絲	1
51	M0369	Washer	墊圈	1
52				
53	M0368	Tension Release Shaft	拉力釋放曲軸	1
54	VH49	Vibration Absorb Spring	防震彈簧	1

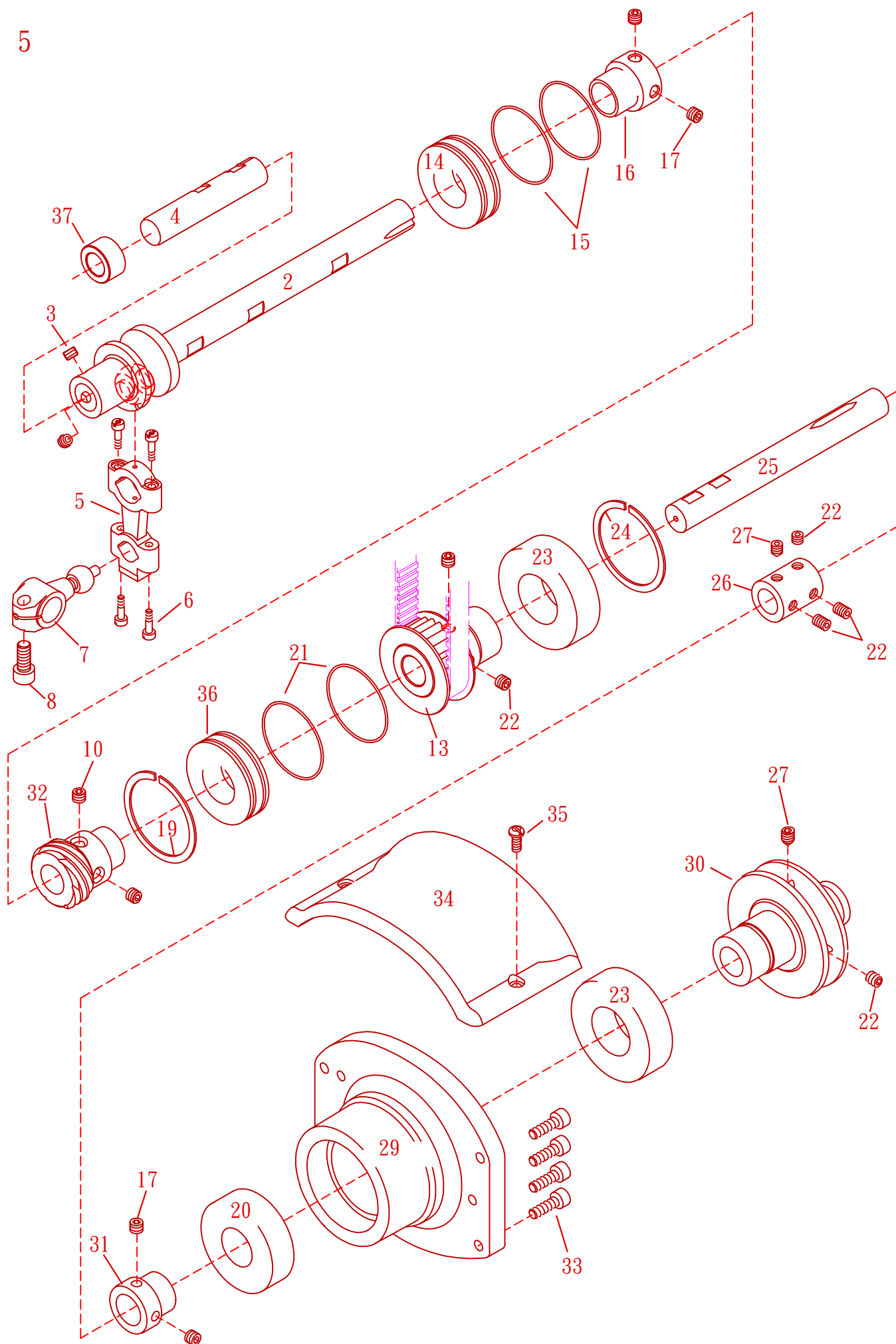
※ Ref. No. 1 to 35 See the preceding page.



MISCELLANEOUS BUSHINGS**套管裝置****4**

Ref.	Parts	Description	零 件 名 稱	Amt .
No.	No.			Req .
1	M0401-1	Needle Bar Bushing (Upper)	針柱套筒(上)	1
2	M0402	Oil Wick	油蕊	1
3				
4	M0404	Needle Bar Bushing (Lower)	針柱套筒(下)	1
5	VM05	Needle Bar	導油銅管	1
6	VM07	Oil Wick	油蕊	1
7	M0407-1	Persser Bar Bushing	押腳套筒	1
8	VD04	Oil Seal	油封	1
9	M0409	Spreader Driving Shaft Bushing(Left)	上飾線結線器傳動軸套管(左)	1
10	M0410	Spreader Driving Shaft Bushing(Left)	上飾線結線器傳動軸套管(左)	1
11	M0411	Spreader Driving Bar Bushing	上飾線結線套筒	1
12	SV250	Screw (M5 - 0.8 × 5)	螺絲	1
13	M0413	Spreader Driving Shaft Bushing(Right)	上飾線結線器傳動軸套管(右)	1
14	M0414	Spreader Driving Shaft Bushing(Right)	上飾線結線器傳動軸套管(右)	1
15	M0415	Top Feed Shaft Bushing(Left)	上送料齒傳動軸套管(左)	1
16				
17	M0417	Needle Thread Take-up Bushing (Rear)	針線揚線套筒(後)	1
18	M0418	Oil Seal	止油環	2
19	N0410-1	Needle Thread Take-up Bushing (Front)	針線揚線套筒(前)	1
20				
21	M0421	Top Shaft Bushing (Middle)	上送料齒傳動軸套管(中)	1
22	M0422	Top Shaft Bushing (Right)	上送料齒傳動軸套管(右)	1
23	M0423	Top Feed Bar Lift Shaft Bushing (Left)	上送料齒差動套管(左)	1
24	M0424	Top Feed Bar Lift Shaft Bushing (Right)	上送料齒差動套管(右)	1
25				
26	M0426	Foot Lifter Lever Bushing	抬押腳連桿套筒	1
27	M0427	Top Shaft Bushing (Middle)	上送料齒傳動軸套管(中)	1
28				
29				
30				
33	S1671	Feed Bar Lift Shaft Bushing (Rear)	主送料具傳動軸套管(後)	1
34	S1672-1	Control Lever Shaft Bushing	控制桿軸套管	1
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

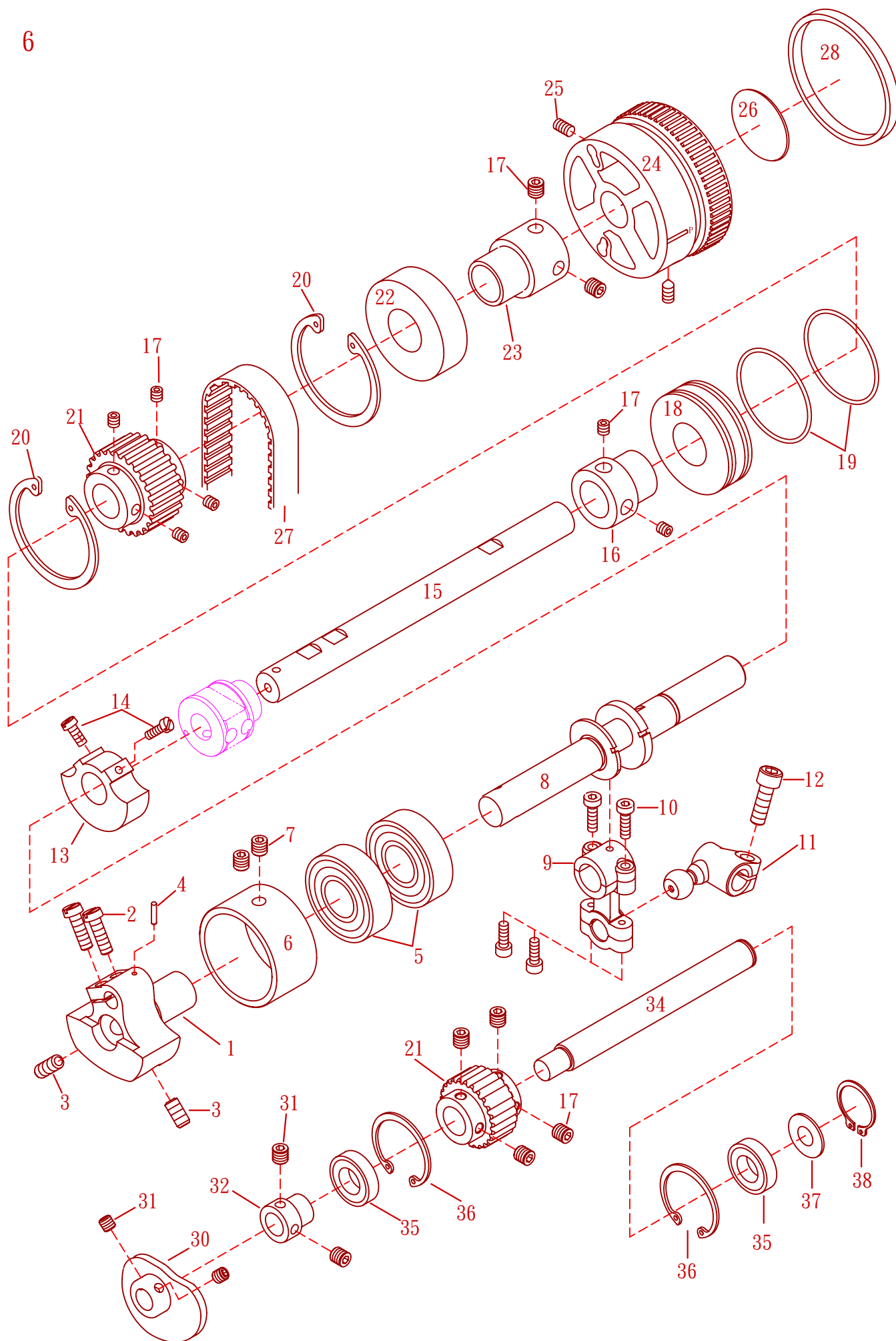
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原5

MAIN SHAFT DRIVING MECHANISM**下主軸傳動機構****5**

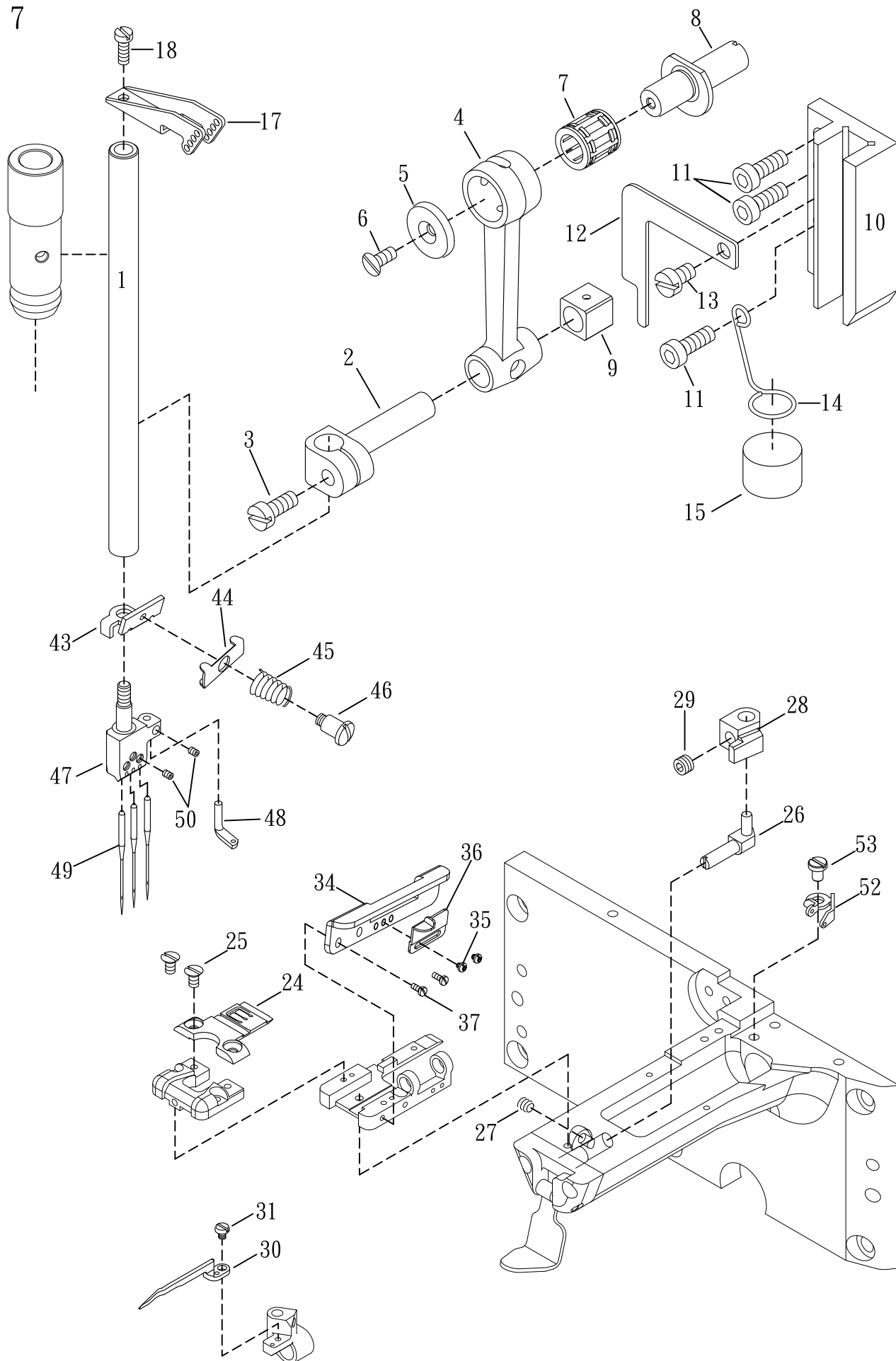
Ref.	Parts			Amt .
No.	No.	Description	零 件 名 稱	Req.
1				
2	S0802	Lower Crankshaft	下曲軸	1
3	S0803	Screw (M6 × 0.75 - 4)	螺絲	2
4	Q0504	Lower Shaft (Left)	下傳動軸(左)	1
5	S0805	Connecting Rod	萬向接頭	1
6	S0806	Screw (SM 9/64 × 40 - 13)	螺絲	4
7	S0807	Driving Unit	傳動桿	1
8	M0612	Screw (M6 - 0.75 × 14)	螺絲	1
9				
10	S0810	Screw (M6 - 0.75 × 5)	螺絲	2
11				
12				
13	S0813	Main Shaft Sprocket (Lower)	下主軸齒形輪	1
14	GE11-3	Ball Bearing (Left)	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				
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)	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				
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
37	S2042	Lower Shaft Bushing	下傳動軸套管	1



UPPER SHAFT - MECHANISM

				上軸機構	6
Ref.	Parts				Amt.
No.	No.	Description	零 件 名 稱		Req.
1	M0601	Counterweight	凸輪		1
2	M0602	Screw (M5 - 0.8 × 10)	螺絲		2
3	M0603	Screw (M8 - 1.0 × 15)	螺絲		2
4	M0615	Fastener Pin	固定銷		1
5	M0632	Ball Bearing	滾珠軸承		2
6	M0631	Upper Shaft Sleeve	上軸培林襯套		1
7	SV250	Screw (M5 - 0.8 × 5)	螺絲		2
8	M0607-1	Upper Chank Shaft	上曲軸		1
9	M0608	Connecting Rod	萬向接頭		1
10	SV223	Screw (M4 - 0.7 × 14)	螺絲		4
11	M0611	Driving Unit	傳動桿		1
12	M0612	Screw (M6 - 0.75 × 14)	螺絲		1
13	VE13	Counterweight (Small)	平衡配重凸輪		1
14	SV221	Screw (M4 - 0.7 × 8)	螺絲		2
15	M0618-1	Upper Shaft	上主軸傳動軸		1
16	N0607	Adapter	軸套管		1
17	SF240	Screw (M6 - 1.0 × 6)	螺絲		12
18	M0634	Ball Bearing	滾珠軸承		1
19	L0528	O Ring	O型環		2
20	VE09	Retaining Ring	扣環		2
21	GF08	Upper Shaft Sprocket (Upper)	上主軸齒形輪 (上)		2
22	VE06	Ball Bearing	滾珠軸承		1
23	M0623-1	Adapter	軸套管		1
24	G0601-2	Handwheel	手推輪		1
25	SF241	Screw (M6 - 1 × 10)	螺絲		2
26	VF04-1	Handwheel Mark	手推輪銘牌		1
27	S0827	Timing Belt(GT565-5GT)	同步皮帶		1
28		Color Ring(Orange-1585U)	橡膠環(橘色)		1
29					
30	F0530	Looper Thread Take - up	下勾針提線輪		1
31	SF142	Screw (SM7 / 32 - 32 × 3.7)	螺絲		4
32	N0629	Adapter	軸套管		1
33					
34	S0834-1	Looper Thread Take - up Shaft	下勾針提線主軸		1
35	VF19	Ball Bearing	滾珠培林		2
36	N0650	Retaining Ring	扣環		2
37	N0652	Washer	墊片		1
38	N0651	Retaining Ring	扣環		1

7



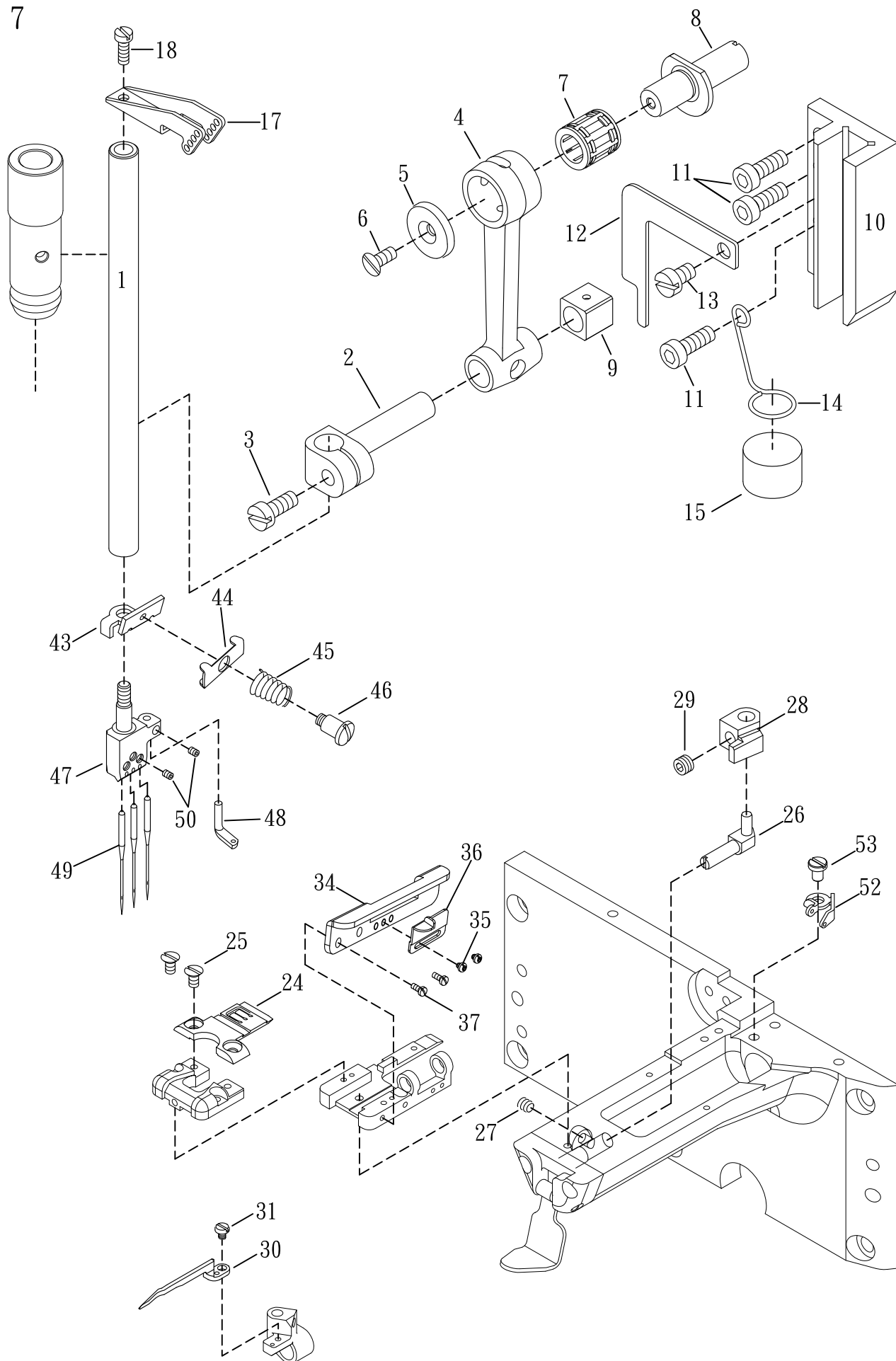
NEEDLE BAR、NEEDLE GUARD MECHANISM

針棒、頂針機構

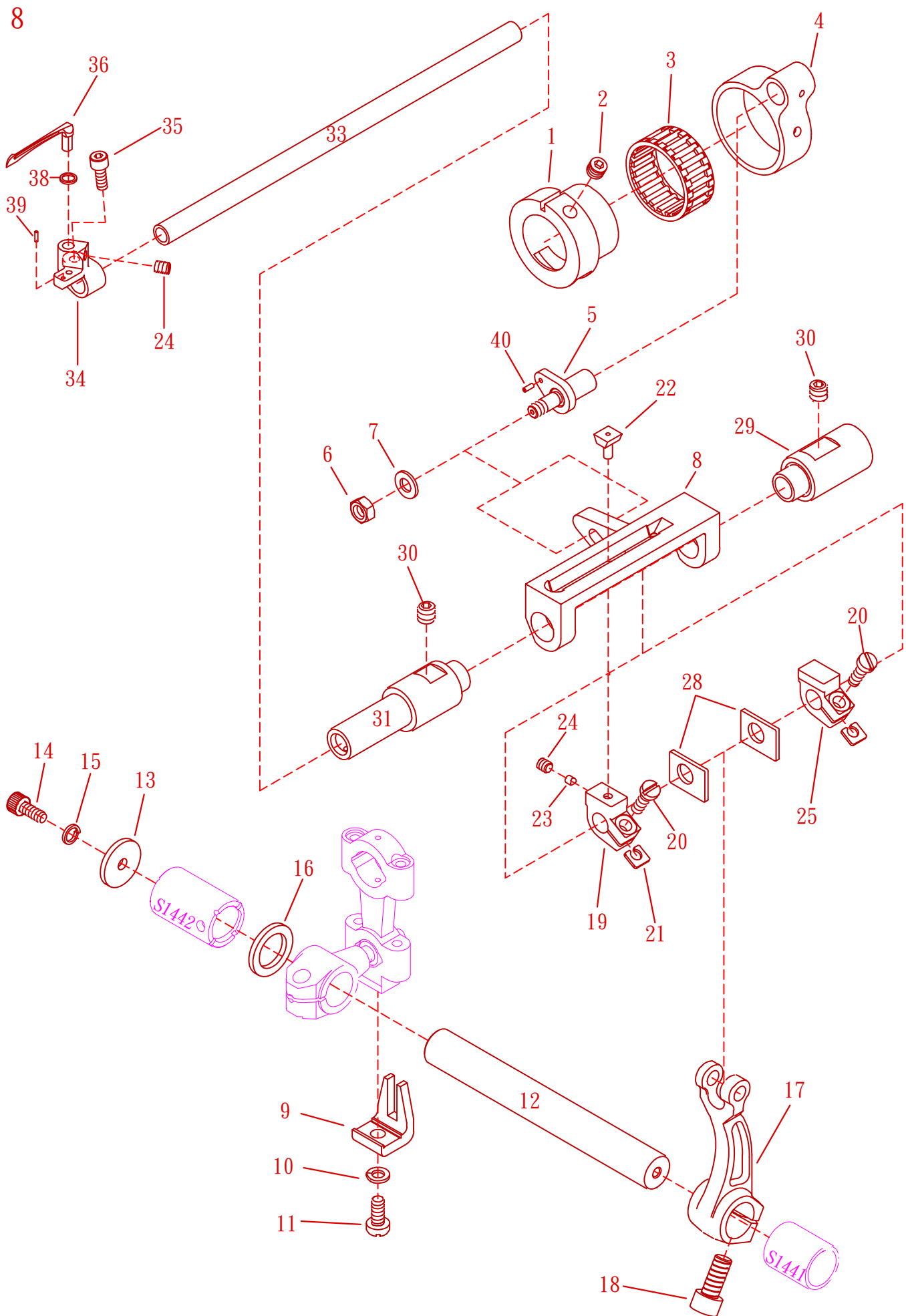
7

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	GG04-2	Needle Bar	針柱	1
2	M0702	Needle Bar Bracket	針柱夾塊	1
3	MFB100	Screw (M4 - 0.7 × 10)	螺絲	1
4	M0704	Connecting Rod	連桿	1
5	M0705	Ring	襯墊	1
6	SV211	Screw (M3 - 0.5 × 6)	螺絲	1
7	M0706	Needle Bearing	滾針培林	1
8	M0707	Connecting Rod Pin	連桿插銷	1
9	VG22	Slide Block	針柱定位滑塊	1
10	M0709	Needle Bar Guide	針柱定位導槽	1
11	SF226	Screw (M4 - 0.7 × 12)	螺絲	3
12	M0726	Fixed Plate	固定壓板	1
13	GB35	Screw (M4 - 0.7 × 5)	螺絲	1
14	M0712	Spring	固定線	1
15	J0211	Felt	氈墊	1
17	N0727	Needle Bar Thread Eyelet	針柱頂線過線桿	1
18	SF114	Screw (SM 9/64 - 40 × 7.5)	螺絲	1
24	Q0724-2401	Stitch Plate (240)	針板 (2 針 4.0 L)	1
	Q0724-2481	Stitch Plate (248)	針板 (2 針 4.8 L)	
	Q0724-3561	Stitch Plate (356)	針板 (3 針 6.0 L)	
	Q0724-3601	Stitch Plate (360)	針板 (3 針 5.6 L)	
	Q0724-3641	Stitch Plate (364)	針板 (3 針 6.4 L)	
	Q0724-4601	Stitch Plate (460)	針板 (4 針 6.0 L)	
	Q0724-4641	Stitch Plate (464)	針板 (4 針 6.4 L)	
25	S2422	Screw (SM9/64 - 40 × 7)	螺絲	2
26	Q0726	Needle Guard Holder (Rear)	頂針固定座(後)	1
27	SF228	Screw (M4 - 0.7 × 4)	螺絲	1
28	Q0728	Needle Guard (Rear)	頂針片(後)	1
29	SF228	Screw (M4 - 0.7 × 4)	螺絲	1
30	Q0730	Needle Guard (Front)	頂針片(前)	1
31	SV206	Screw (M2.5 - 0.45 × 3.5)	螺絲	1
34	Q2413-2	Fabric Guide	下擺固定座	1
35	M1152	Screw (M2.6 - 0.45 × 2.5)	螺絲	2
36	Q2414-1	Slider Holder (Left)	左擋邊	1
37	MDA060	Screw (M3 - 0.5 × 6)	螺絲	2
43	M0720-1	Thread Retainer Disc Support	針線張力導板	1
44	FC33	Needle Thread Retainer Disc	針線張力調整組壓板 (小)	1
45	M0731	Needle Thread Retainer Spring	針線張力彈簧	1
46	M0724-1	Screw (M3-0.5 x 6.2)	螺絲	1
47	M0717-240	Needle Clamp (240)	針鉗 (2 針 4.0 L)	1
	M0717-248	Needle Clamp (248)	針鉗 (2 針 4.8 L)	
	M0717-352	Needle Clamp (352)	針鉗 (3 針 5.2 L)	
	M0717-356	Needle Clamp (356)	針鉗 (3 針 5.6 L)	
	M0717-360	Needle Clamp (360)	針鉗 (3 針 6.0 L)	
	M0717-364	Needle Clamp (364)	針鉗 (3 針 6.4 L)	
	M0717-460	Needle Clamp (460)	針鉗 (4 針 6.0 L)	

7

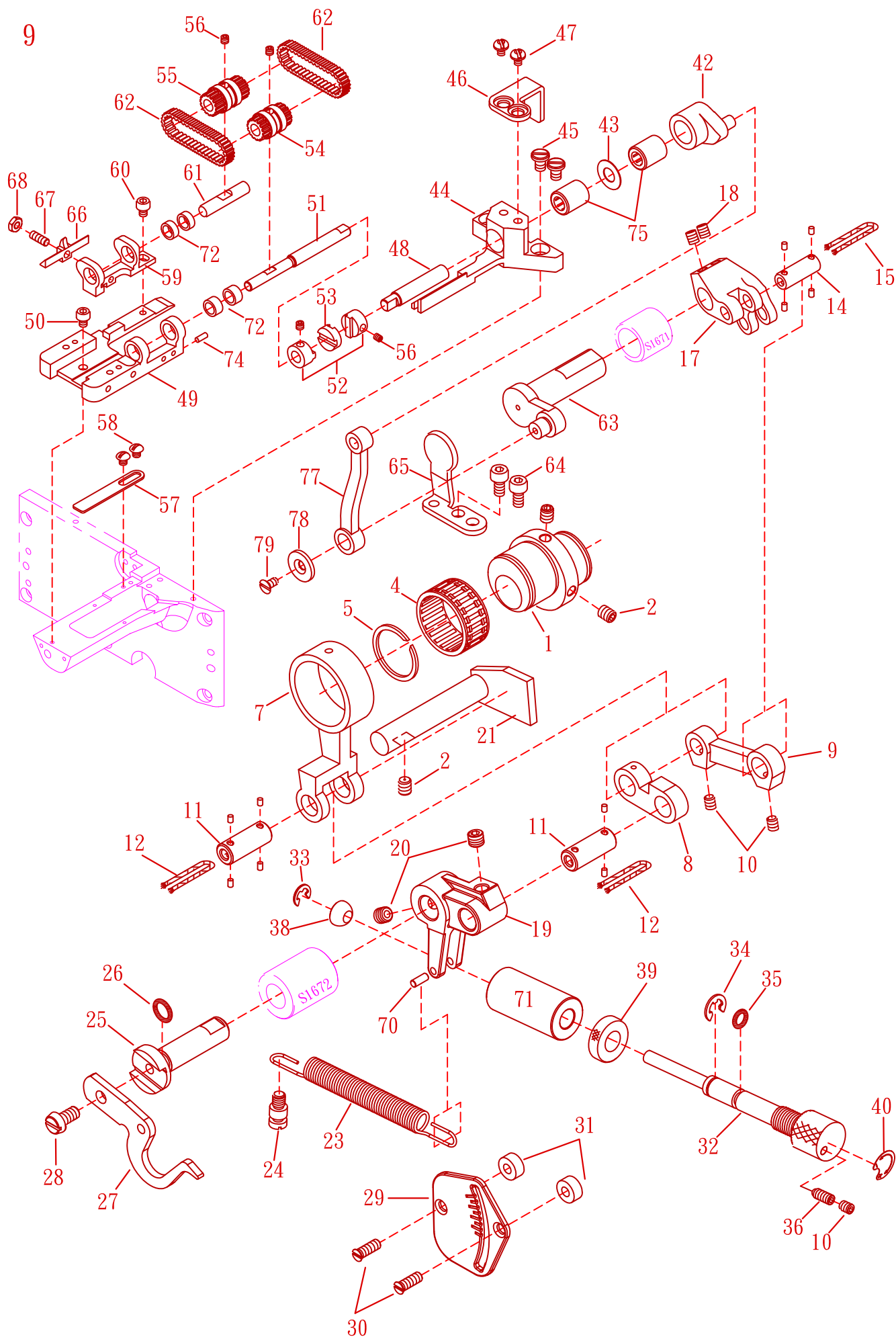


	M0717-464	Needle Clamp (464)	針鉗 (4 針 6.4 L)	
48	M0719	Top Cover Thread Eyelet	上飾線過線桿	1
49	UY128GAS-11	Needle (UY128 GAS#11)	針	3
50	SF106	Screw (SM 1/8 - 44 × 2.8)	螺絲	4
52	Q1852	Thread Eyelet	過線片	1
53	GJ36	Screw (M4 - 0.7 × 5.8)	螺絲	1



LOOPER DRIVING MECHANISM**下勾針驅動機構****8**

Ref.	Parts			Amt .
No.	No.	Description	零 件 名 稱	Req .
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	Needle 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	Looper Bar Guide	下勾針驅動軸導槽	1
9	S1409	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	Slider Holder (Left)	滑塊固定座(左)	1
20	S1420	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	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				
33	S1433	Looper Bar	驅動軸	1
34	Q0834	Looper Holder	結線勾座	1
35	Q0835	Screw (M3.5 - 0.6 × 9.5)	螺絲	1
36	Q0836	Looper	下勾針	1
37				
38	Q0838	Washer	墊片	1
39	L0944	Pin	空心門	1
40	VJ27	Pin	空心門	1



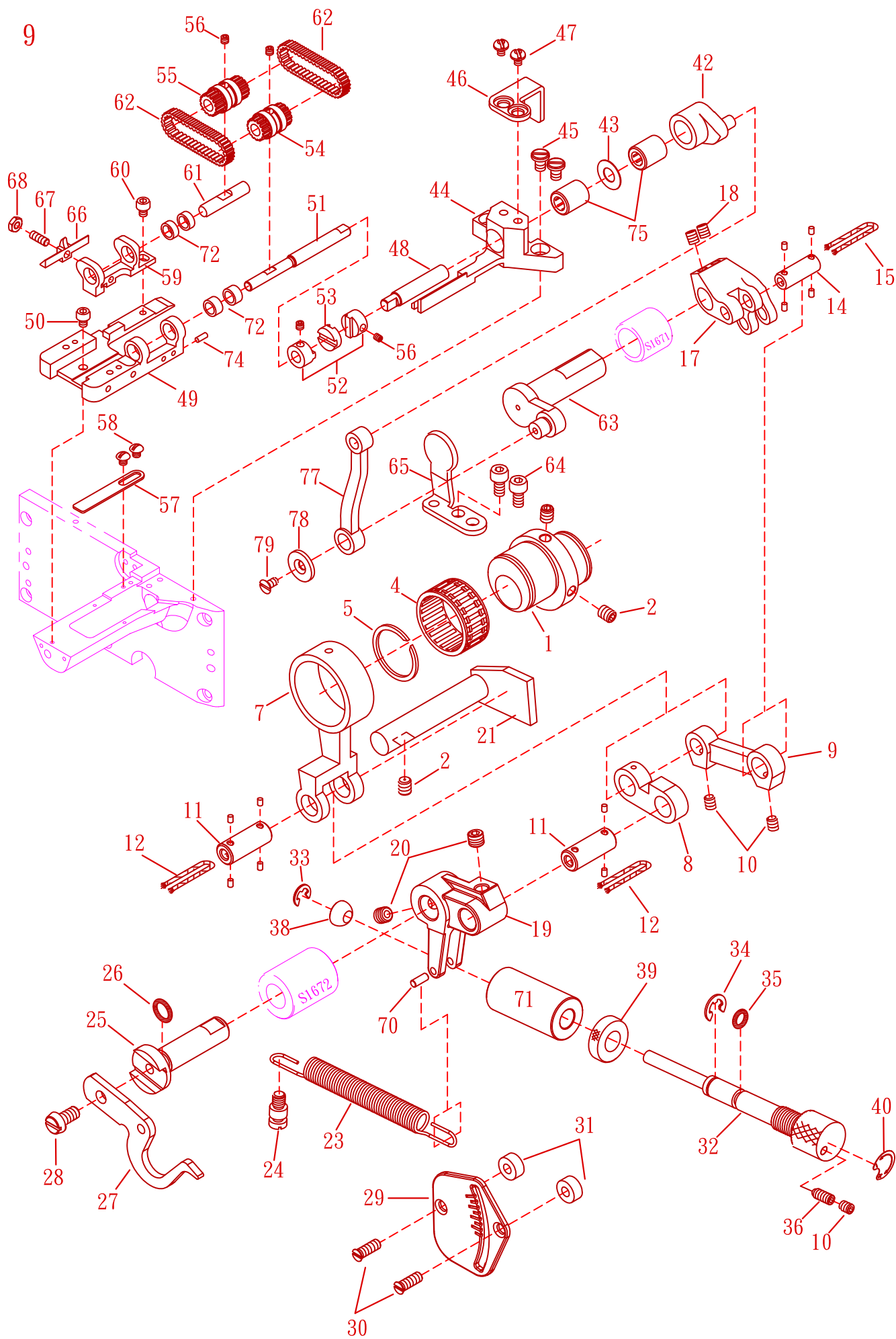
FEED DRIVING MECHANISM

送料具驅動調整機構

9

Ref. No.	Parts No.	Description	零件名稱	Amt. Req.
1	S1601	Feed Eccentric	送料具偏心輪	1
2	L1036	Screw (M5 - 0.8 × 6)	螺絲	3
3				
4	M1204	Needle Bearing	滾針培林	1
5	S1605	Retaining Ring	扣環	1
6				
7	S1607	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	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				
23	S1623	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	RF23	O Ring	O型油環	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 Indicator	針距尺寸刻度板	1
30	S1630	Screw (M4 - 0.7 × 11.5)	螺絲	2
31	S1631	Spacer	襯墊	2
32	S1632	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				
38	S1638	Liner	R塊	1
39	S1639	Nut	螺帽	1
40	S1640	Sticker	貼紙(+ -)	1

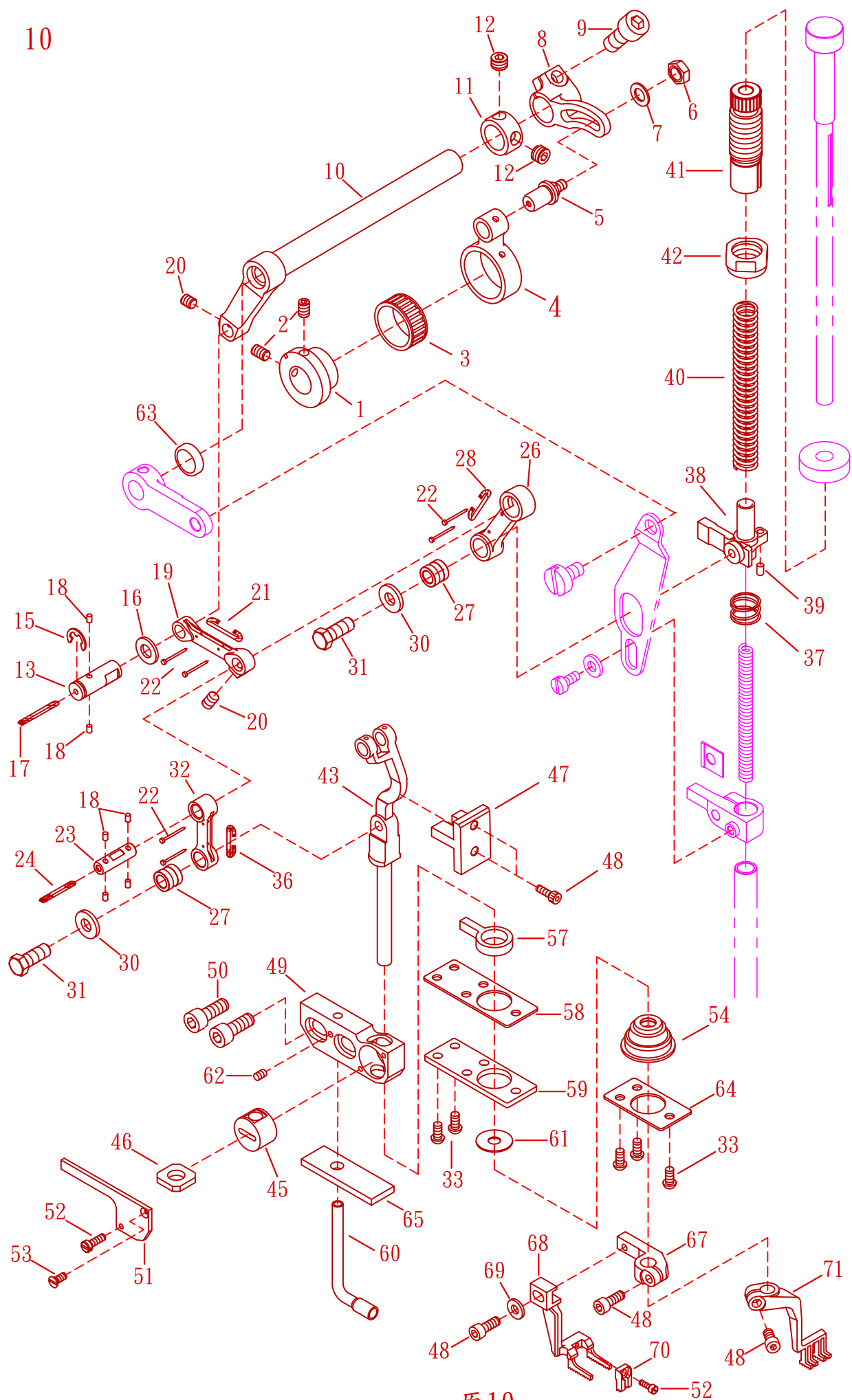
* Ref. No. 41 to 79 See the following page



FEED DRIVING MECHANISM
送料具驅動調整機構
9

Ref.	Parts			Amt.
No.	No.	Description	零 件 名 稱	Req.
41				
42	Q0942	Rocker Arm	搖臂	1
43	Q0943	Washer	墊片	1
44	Q0944	Main Feed Bar Bracket	連接座	1
45	SF222NI	Screw (M4 - 0.7 × 6)	螺絲	2
46	Q0946	Guide Block	導正板	1
47	17-38	Screw (M4 - 0.7 × 4)	螺絲	2
48	Q0948	Shaft	軸	1
49	Q0949-1	Stitch Plate Bracket	針板座(大)	1
50	MDA080	Screw (M3 - 0.5 × 8)	螺絲	1
51	Q0951-1	Shaft	軸	1
52	Q0952	Joint (Left&Right)	接頭(左&右)	2
53	Q0953	Joint (Center)	接頭(中)	1
54	Q0954EBS-2	Gear (Front)	齒輪(前)	1
55	Q0955EBS-1	Gear (Rear)	齒輪(後)	1
56	N2931	Screw (M3 - 0.5 × 3)	螺絲	4
57	Q0957	Fixed Plate	固定片	1
58	SV208	Screw (M3 - 0.5 × 4.4)	螺絲	2
59	Q0959-1	Stitch Plate Bracket	針板座(小)	1
60	SV214	Screw (M3 - 0.5 × 4)	螺絲	1
61	Q0961-1	Shaft	軸	1
62	Q0962-4	Feeding Belt	送料皮帶	2
63	Q0963	Feed Rocker Shaft (Left)	搖臂主軸 (左)	1
64	SF224	Screw (M4 - 0.7 × 8)	螺絲	2
65	S1665	Guide	導正塊	1
66	Q0966-1	Cover	護蓋	1
67	Q0967-1	Screw (M3 - 0.5 × 8)	螺絲	1
68	Q0968	Nut	螺帽	1
69				
70	S1670	Pin	空心門	1
71	S1673	Bushing	襯套	1
72	Q0972-1	Bearing	培林	4
73				
74	Q0974	Pin	插銷	1
75	Q0975	Bearing	單向軸承	2
76				
77	Q0939	Connecting Rod	連桿	1
78	S1645	Washer	墊片	1
79	SV211	Screw (M3 - 0.5 × 5.5)	螺絲	1

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



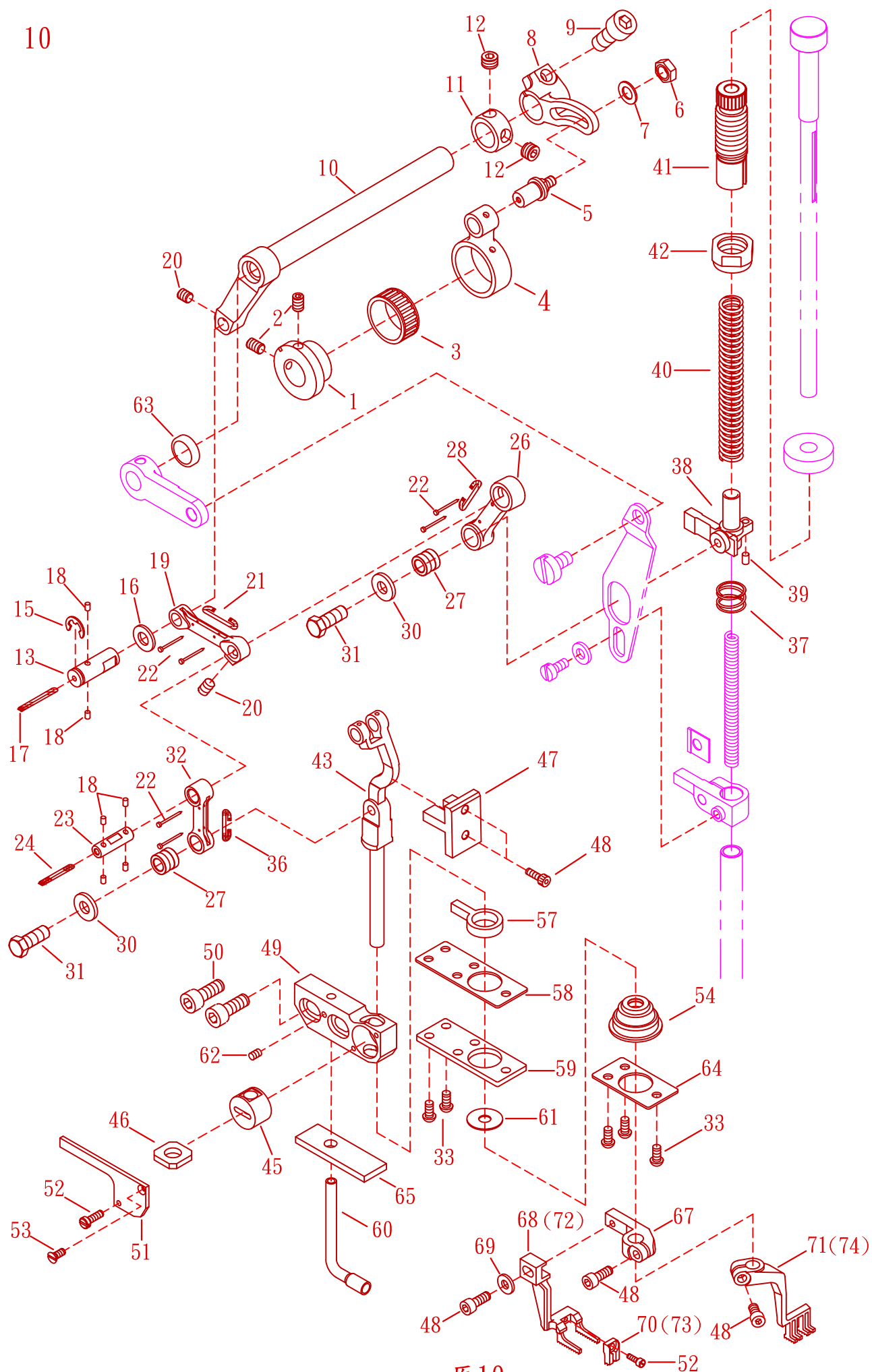
TOP FEED MECHANISM(1)

上送機構(1)

10

Ref. No.	Parts No.	Description	零 件 名 稱	Amt . Req .
1	M1101	Eccentric	偏心輪	1
2	M1102	Screw (M4 - 0.7 × 6)	螺絲	2
3	M1103	Needle Bearing	滾針培林	1
4	M1104	Connecting Rod	培林殼連桿	1
5	M1105	Adjusting Lever Pin	可調式插銷	1
6	NV12	Nut	螺帽	1
7	VJ25	Washer	墊片	1
8	M1108	Adjusting Lever	可調式接柄	1
9	M0612	Screw (M6 - 0.75 × 14)	螺絲	1
10	M1110	Driving Shaft	主動軸	1
11	M1111	Collar (8 mm × 16 mm × 8 mm)	定位環	1
12	S0803	Screw (M6 - 0.75 × 4)	螺絲	2
13	M1113	Link Pin	連桿插銷	1
14				
15	L0829	Retaining Ring	扣環	1
16	M1116	Washer	墊片	1
17	M1117	Felt	吸油棉	1
18	M1118	Felt	吸油棉	6
19	M1119	Lever Link (Long)	提環桿 (長)	1
20	SF228	Screw (M4 - 0.7 × 4)	螺絲	2
21	M1121	Felt	吸油棉	1
22	M1122	Pin	大頭釘	6
23	M1123	Link Pin	連桿插銷	1
24	M1124	Felt	吸油棉	1
25				
26	M1126	Lever Link (Long)	提環桿 (長)	1
27	M1127	Lever Link Pin	提環桿插銷	2
28	M1128	Felt	吸油棉	1
29				
30	M1130	Washer	墊片	2
31	M1131	Screw (M5 - 0.5 × 12.8)	螺絲	2
32	M1132	Lever Link (Short)	提環桿 (短)	1
33	18-31	Screw (M4 - 0.7 × 8)	螺絲	5
34				
35				
36	M1136	Felt	吸油棉	1
37	Q1037	Spring	彈簧	1
38	M1138	Bracket	上送固定臂	1
39	VA20	Seal Plug	封塞	1
40	M1140	Presser Bar Spring (Outer)	壓腳棒彈簧(外)	1

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



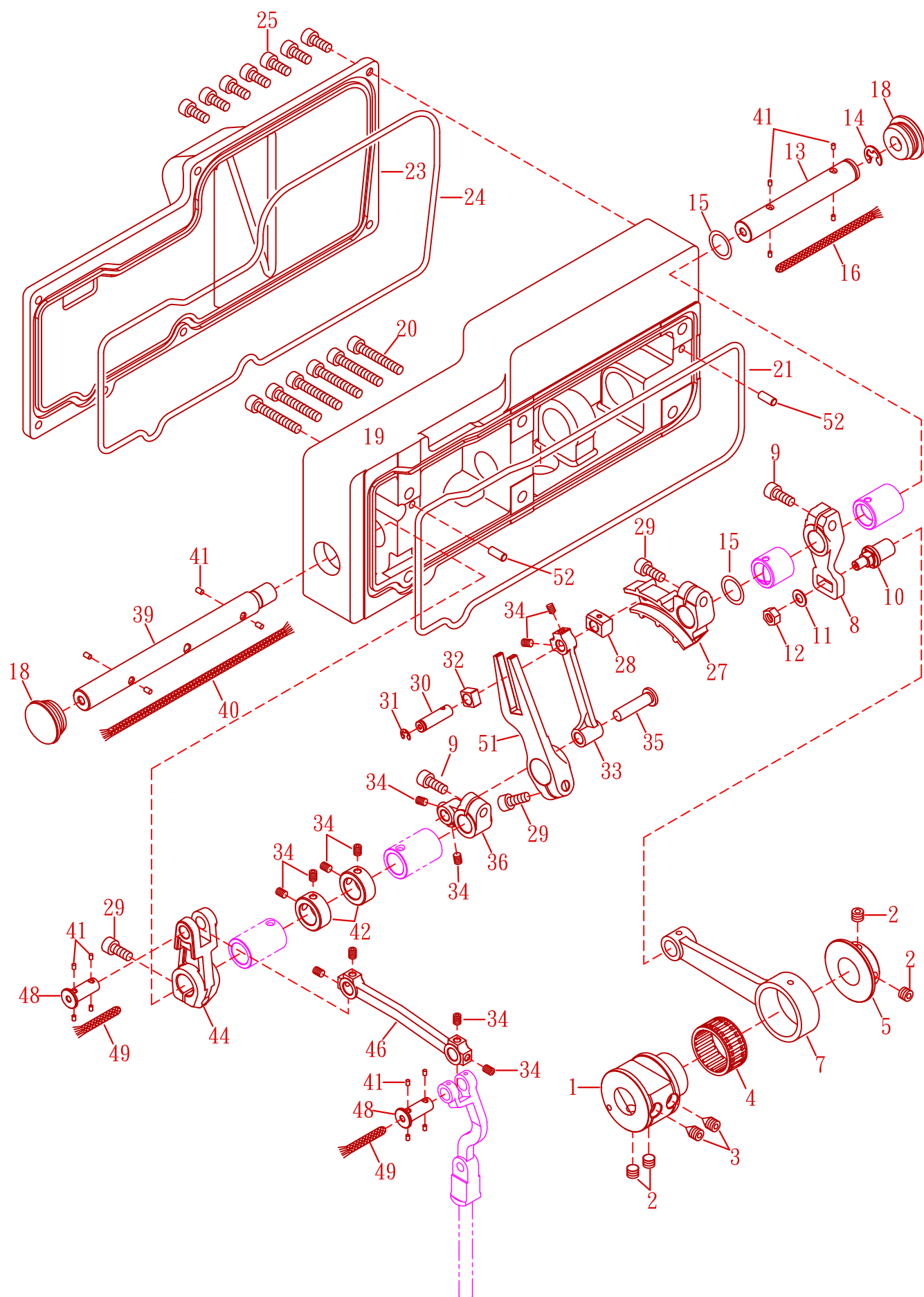
TOP FEED MECHANISM(1)

上送機構(1)

10

Ref. No.	Parts No.	Description	零 件 名 稱	Amt . Req .
41	M1141	Control Link Holder	引動螺帽	1
42	M1142	Lock Nut	螺帽	1
43	Q1043	Shift Top Feed Bar	上送驅動軸	1
44				1
45	M1145	Top Bar Bushing	上送驅動軸套	1
46	M1146	Draining Felt (Lower)	吸油棉 (下)	1
47	M1147	Bar Guide	驅動軸導槽	1
48	SF225	Screw (M4 - 0.7 × 10)	螺絲	5
49	M1149	Bar Guide Bracket	驅動軸固定座	1
50	GK03	Screw (M6 - 1.0 × 14)	螺絲	2
51	M1151	Bar Guide Bracket Cover	驅動軸固定座覆蓋	1
52	M1152	Screw (M2.5 - 0.45 × 8)	螺絲	2
53	M1153	Screw (M2.5 - 0.45 × 6)	螺絲	1
54	M1154-1	Oil Seal	止油環	1
55				
56				
57	M1157-1	HR Felt	吸油氈	1
58	M1158-1	Gasket	止油墊片	1
59	M1159-2	Cover Top Feed Bar	固定座下蓋	1
60	M1160	Needle Bar	導油銅管	1
61	M1161	Washer	墊片	1
62	GE26	Screw (M3 - 0.5 × 4)	螺絲	1
63	M1163	Oil Seal	止油環	1
64	M1164	Washer	墊片	1
65	M1165	Felt	羊毛氈	1
66				
67	Q1055-1	Bracket	固定塊	1
68	Q1057-1	Top Feed Dog	上送送料齒	1
69	WF04-1	Washer	墊片	1
70	Q1062-1	Top Feed Dog(Middle)	主動齒(小)	1
71	Q1060	Top Feed Dog	上送送料齒	1
72	Q1057-1RU	Top Feed Dog(NBR)	上送送料齒(包膠)	1
73	Q1062-1RU	Top Feed Dog(Middle)(NBR)	主動齒(小)(包膠)	1
74	Q1060-1RU	Top Feed Dog(NBR)	上送送料齒(包膠)	1

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

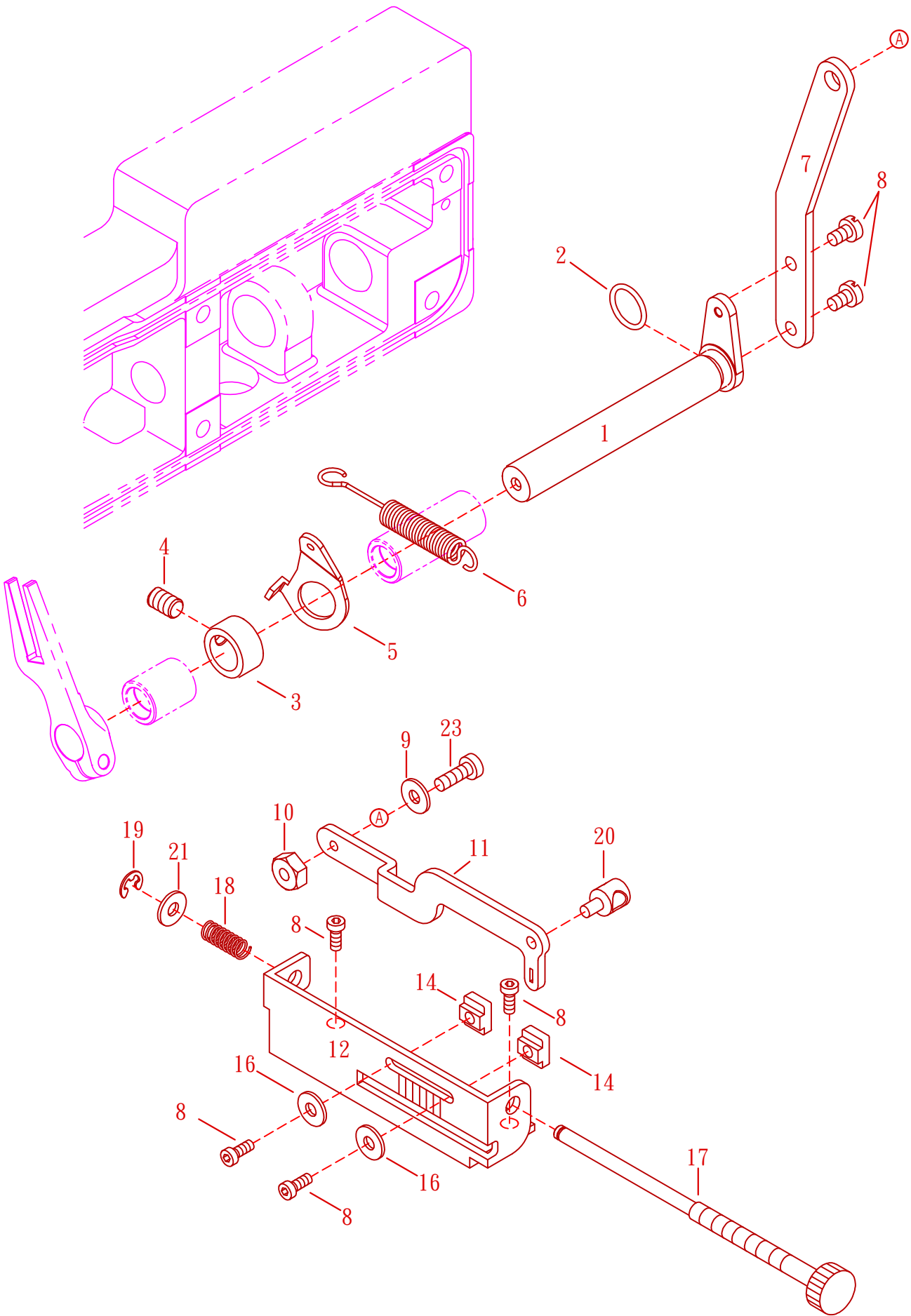


TOP FEED MECHANISM(2)

上送機構(2)

11

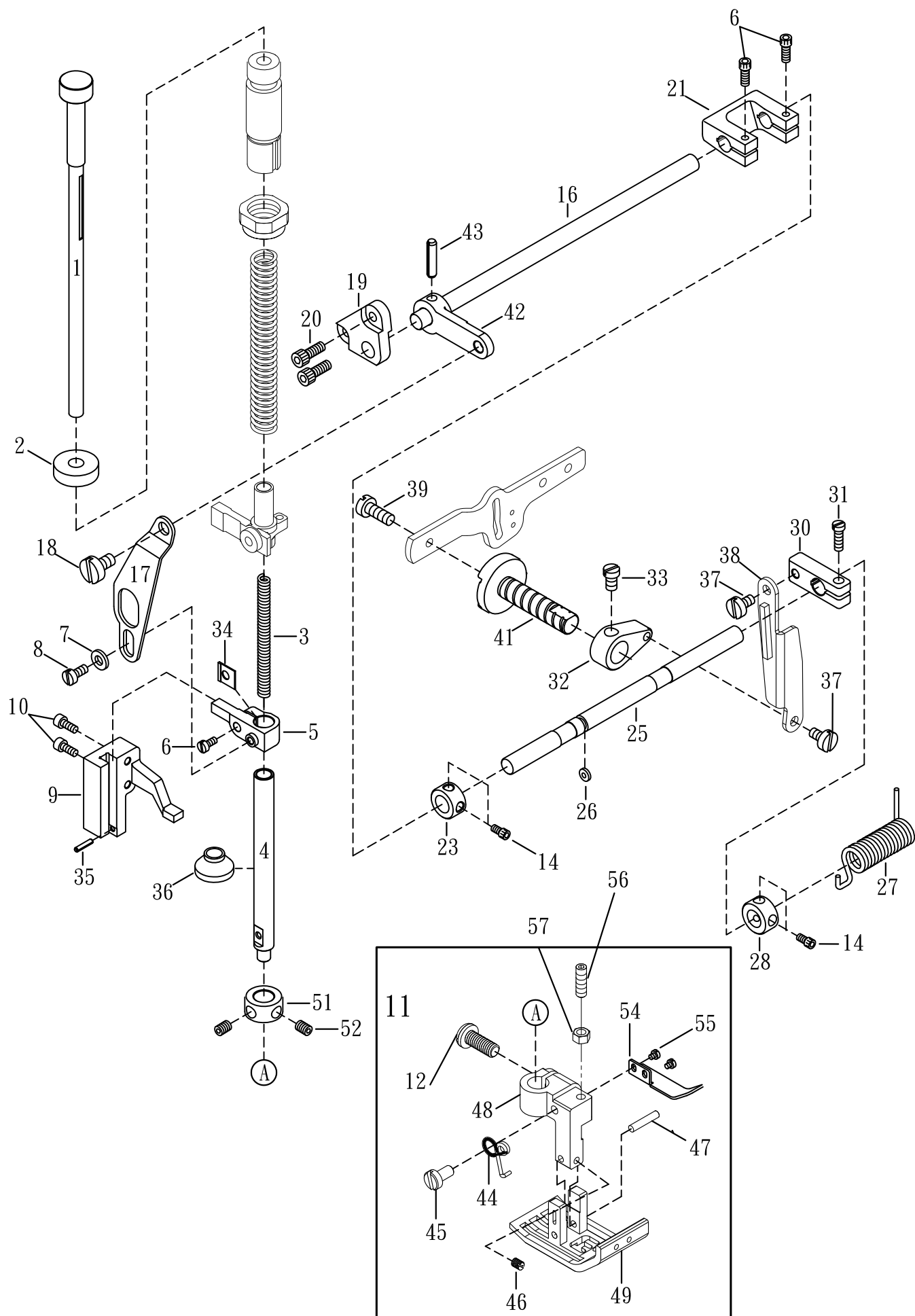
Ref. No.	Parts No.	Description	零 件 名 稱	Amt . Req .
1	M1201	Coupling	聯結器	1
2	M0604	Screw (M6 - 0.75 × 5)	螺絲	4
3	M1203	Screw (M6 - 0.75 × 8)	螺絲(尖頭)	2
4	M1204	Needle Bearing	滾針培林	1
5	M1205	Collar (8 mm × 16 mm × 8 mm)	定位環	1
6				
7	M1207	Connecting Rod	培林殼連桿	1
8	M1208	Adjusting Lever	可調式接柄	1
9	M1209	Screw (M6 - 0.75 × 12)	螺絲	2
10	M1210	Adjusting Lever Pin	可調式插銷	1
11	VJ25	Washer	墊片	1
12	NV12	Nut (M5)	螺帽	1
13	M1213	Driving Shaft	主動軸	1
14	H1132	Retaining Ring	扣環	1
15	M1215	Thrust Washer	止推墊片	2
16	M1216	Oil Wick	油蕊	1
17				
18	M1218	Seal Plug	膠塞	2
19	M1219	Blacket Complete	上送驅動傳動座	1
20	M1220	Screw (M6 - 1 × 35)	螺絲	6
21	M1221	O Ring	止油環	1
23	M1223	Rear Cover	後蓋	1
24	M1224	O Ring	止油環	1
25	SV222	Screw (M4 - 0.7 × 12)	螺絲	7
27	M1227	Differential Lever	差動搖臂	1
28	M1228	Differential Slider	差動滑塊	1
29	M0612	Screw (M6 - 0.75 × 14)	螺絲	3
30	M1230	Link Pin	連桿插銷	1
31	16-28	Retaining Ring	扣環	1
32	M1232	Connecting Rod Slider	連桿滑塊	1
33	M1233-1	Connecting Rod	連桿	1
34	SF228	Screw (M4 - 0.7 × 4)	螺絲	12
35	M1235	Control Link Pin	控制連桿插銷	1
36	M1236	Feed Shaft Lever	進給軸拉柄	1
39	M1239	Driving Shaft	主動軸	1
40	M1240	Oil Wick	油蕊	1
41	M1118	Felt	羊毛氈	16
42	M1242	Collar (8 mm × 16 mm × 8 mm)	定位環	2
44	M1244	Rocker Arm Top Feed	上送搖臂	1
46	M1246	Connecting Rod	連桿	1
47				
48	M1248	Link Pin	連桿插銷	2
49	M1249	Oil Wick	油蕊	2
51	M1251	Main Feed Lever	主送料具搖臂	1
52	M1252	Knock Pin	固位銷	2



TOP FEED MECHANISM(3)**上送機構(3)**

12

Ref.	Parts			Amt .
No.	No.	Description	零 件 名 稱	Req .
1	M1301	Crankshaft	曲軸(長)13m/m短押腳用	1
2	M1302	Thrust Washer	止推墊片	1
3	M1303	Collar (8 mm × 16 mm × 8 mm)	定位環	1
4	SF241	Screw (M6 - 1.0 × 10)	螺絲	1
5	M1305	Bracket	固定板	1
6	M1306	Control Bracket Spring	承座拉簧	1
7	M1307	Link Lever	連桿柄	1
8	SF224	Screw (M4 - 0.7 × 8)	螺絲	6
9	M0213	Washer	波浪華司	1
10	NF27	Nut	螺帽	1
11	M1311	Feed Control Lever	差動控制桿	1
12	M1312	Feed Indicator	針距尺寸刻度板	1
13				
14	M1314	Control Lever Stop	控制桿止塊	2
15				
16	WF04-1	Washer	墊片	2
17	M1317	Stitch Length Screw	針距螺桿	1
18	M1318	Spring	彈簧	1
19	16-28	Retaining Ring	扣環	1
20	M1320	Differential Feed Nut	差動螺帽	1
21	WF04	Washer	墊片	1
22				
23	M1323	Screw (M4 - 0.7 × 6.3)	螺絲	1



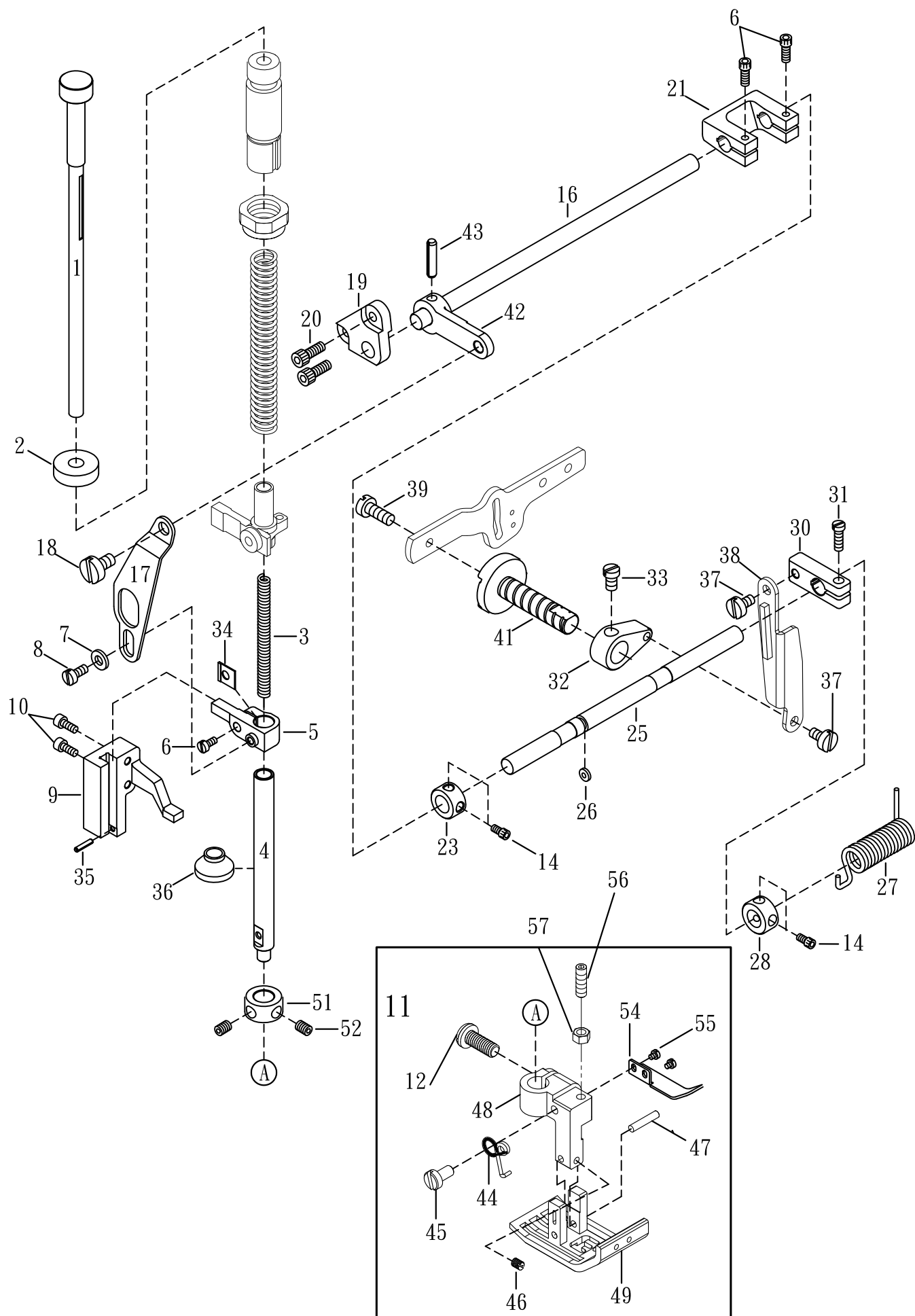
PRESSER FOOT MECHANISM

押腳機構

13-1

Ref.	Parts	Description	零 件 名 稱	Amt .
No.	No.			Req .
1	M0901	Presser Spring Regulator	調節棒	1
2	M0902	Lock Nut	螺帽	1
3	M0903	Presser Foot Spring	彈簧	1
4	Q1304	Presser Bar	押腳棒	1
5	M0905	Presser Bar Connecting Bracket	壓腳固定臂	1
6	SV222	Screw (M4 - 0.7 × 12)	螺絲	3
7	WF04-1	Washer	墊片	1
8	M0908	Screw (M4 - 0.7 × 5)	螺絲	1
9	M0909	Presser Bar Guide	固定臂導槽	1
10	SV223	Screw (M4 - 0.7 × 14)	螺絲	2
11	Q1311-240	Presser Foot , Complete Set (4.0)	壓腳組(4.0)(兩針)	1
	Q1311-248	Presser Foot , Complete Set (4.8)	壓腳組(4.8)(兩針)	
	Q1311-352	Presser Foot , Complete Set (5.2)	壓腳組(5.2)(三針)	
	Q1311-3561	Presser Foot , Complete Set (5.6)	壓腳組(5.6)(三針)	
	Q1311-360	Presser Foot , Complete Set (6.0)	壓腳組(6.0)(三針)	
	Q1311-364	Presser Foot , Complete Set (6.4)	壓腳組(6.4)(三針)	
	Q1311-460	Presser Foot , Complete Set (6.0)	壓腳組(6.0)(四針)	
	Q1311-464	Presser Foot , Complete Set (6.4)	壓腳組(6.4)(四針)	
12	SF220	Screw (M4 × 0.7 - 10)	螺絲	1
13				
14	SF222	Screw (M4 - 0.7 × 6)	螺絲	4
15				
16	M0916	Lever Shaft	傳動軸	1
17	M0917-2	Lifter Link	提升連桿	1
18	M0918	Screw (SM3/16 - 32)	螺絲	1
19	M0919-1	Bracket	固定座	1
20	SV241	Screw (M4 - 0.7 × 14)	螺絲	2
21	M0921	Connecting Plate	連結器	1
22				
23	M0923	Collar (8 mm × 16 mm × 8 mm)	定位環	1
24				
25	M0925	Shaft	軸	1
26	J1214	O-Ring	O型環	1
27	M0927-1	Lifter Spring	提升扭簧	1
28	M0928-1	Collar (8 mm × 16 mm × 8 mm)	定位環	1
29				
30	M0930	Intermediate Lever	連接拉柄	1
31	SV251	Screw (M5 - 0.8 × 8)	螺絲	1
32	M0932-1	Lifter Lever (Small)	提升拉柄 (小)	1
33	M0933	Screw (SM1/4 - 40)	螺絲	1
34	M0934	Washer	墊片	1
35	M0935	Fastener Pin	固定銷	1

* Ref. No. 41 to 57 See the following page

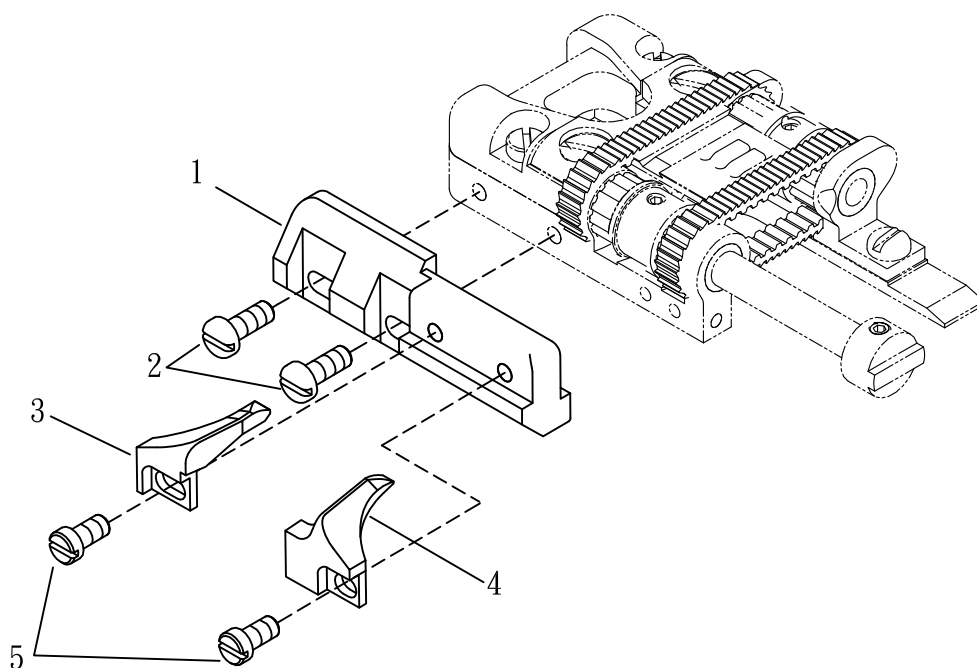
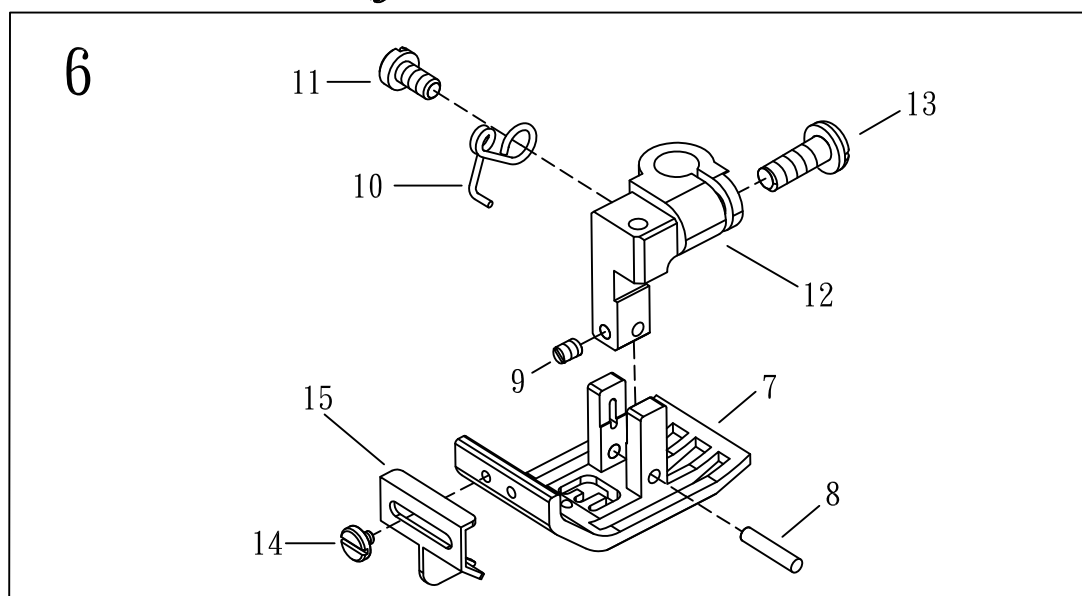
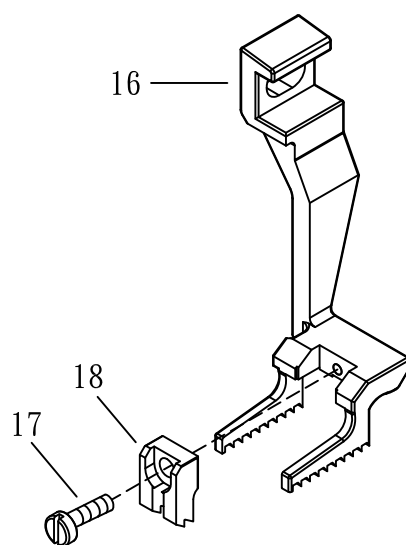


PRESSER FOOT MECHANISM**押腳機構**

13-1

Ref.	Parts			13-1
No.	No.	Description	零 件 名 稱	Amt .
				Req .
36	M0936	Oil Protector Ring	矽膠片	1
37	M0937	Screw (SM11/64 - 40)	螺絲	2
38	M0938-1	Connecting Plate	連結器	1
39	SF235	Screw (M5 - 0.8 × 10)	螺絲	1
40				
41	M0941	Lifter Lever Shaft	揚升臂主軸	1
42	M0942	Lifter Link Lever	提升連結拉柄	1
43	VH30	Fastener Pin	固定銷	1
44	Q1344	Presser Foot Spring	壓腳彈簧	1
45	MDA060	Screw (M3 × 0.5 - 6)	螺絲	1
46	J1033	Screw (SM3 / 32 × 56 - 3)	螺絲	1
47	Q1347	Presser Foot Hinge Pin	壓腳結合插銷	1
48	Q1348-1	Upper Presser Foot	壓腳頭	1
49	Q1349-240	Lower Presser Foot (4.0)	壓腳底 (4.0)(兩針)	1
	Q1349-248	Lower Presser Foot (4.8)	壓腳底 (4.8)(兩針)	
	Q1349-352	Lower Presser Foot (5.2)	壓腳底 (5.2)(三針)	
	Q1349-3561	Lower Presser Foot (5.6)	壓腳底 (5.6)(三針)	
	Q1349-360	Lower Presser Foot (6.0)	壓腳底 (6.0)(三針)	
	Q1349-364	Lower Presser Foot (6.4)	壓腳底 (6.4)(三針)	
	Q1349-460	Lower Presser Foot (6.0)	壓腳底 (6.0)(四針)	
	Q1349-464	Lower Presser Foot (6.4)	壓腳底 (6.4)(四針)	
50				
51	M0976	Collar	定位環	1
52	SF228	Screw (M4 - 0.7 × 4)	螺絲	2
53				
54	Q2410	Left Presser Foot	T形船導片	1
55	SV206	Screw (M2.5 - 0.45 × 3.3)	螺絲	2
56	G1717	Screw (M3 - 0.5 × 10)	螺絲	1
57	NV11	NUT	螺帽	1

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

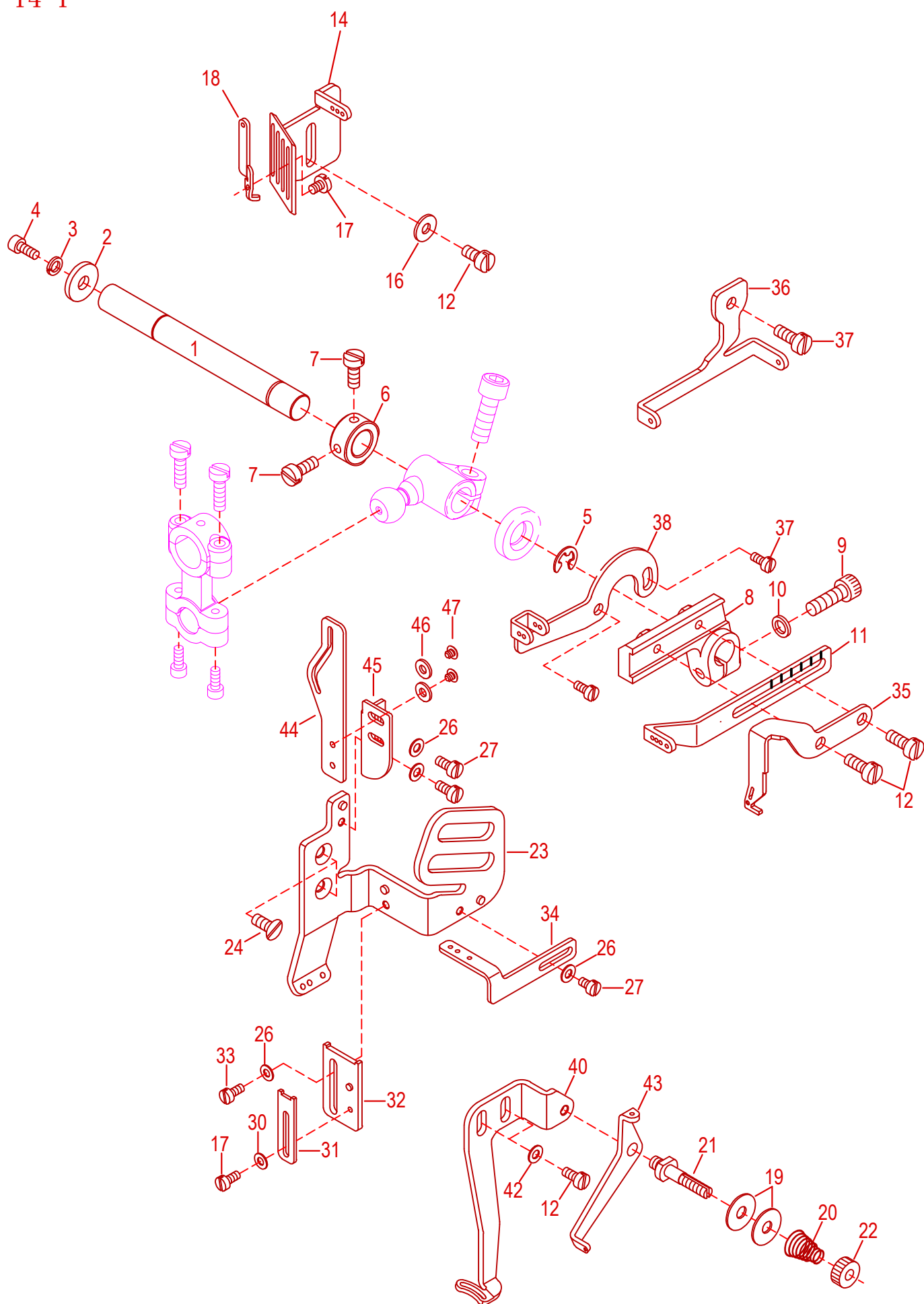


SPECIFIC PARTS FOLD-DOWN MECHANISM (Optional)**專用配件 倒骨機構(選配)**

13-2

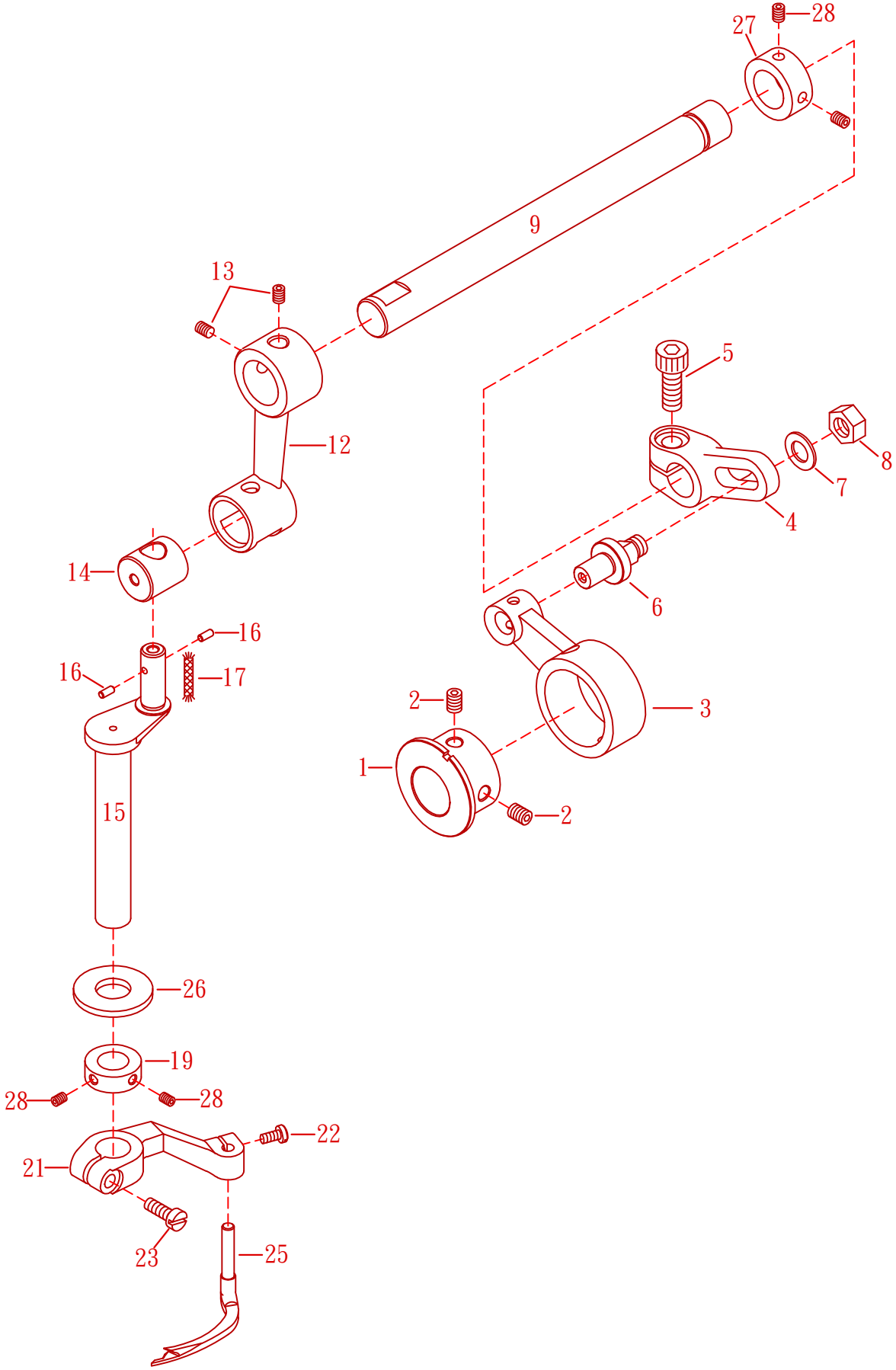
Ref. No.	Parts No.	Description	零 件 名 稱	Amt . Req .
1	Q1301-1	Bracket	固定座	1
2	SV217	Screw (M3 × 0.5 - 8)	螺絲	2
3	Q1303	Fabric Guide (Left)	導布器(左)	1
4	Q1302	Fabric Guide (Right)	導布器(右)	1
5	GJ13	Screw (M3 × 0.5 - 6)	螺絲	2
6	Q1306-356	Fold-Down Presser Foot , Complete Set (5.6)	倒骨壓腳組(5.6)(三針)	1
7	Q1307-356	Fold-Down Lower Presser Foot (5.6)	倒骨壓腳底 (5.6)(三針)	1
8	Q1347	Presser Foot Hinge Pin	壓腳結合插銷	1
9	J1033	Screw (SM3 / 32 × 56 - 3)	螺絲	1
10	Q1344	Presser Foot Spring	壓腳彈簧	1
11	MDA060	Screw (M3 × 0.5 - 6)	螺絲	1
12	Q1348-1	Upper Presser Foot	壓腳頭	1
13	SF220	Screw (M4 × 0.7 - 10)	螺絲	1
14	20-15	Screw (M2 - 0.4 × 2)	螺絲	1
15	Q1315	Fabric Guide	分割片	1
16	Q1057-1	Top Feed Dog	上送送料齒	1
17	M1152	Screw (M2.5 - 0.45 × 8)	螺絲	1
18	Q1062-1	Top Feed Dog(Middle)	主動齒(小)	1

14-1



SPREADER MECHANISM**上飾線過線組****14-1**

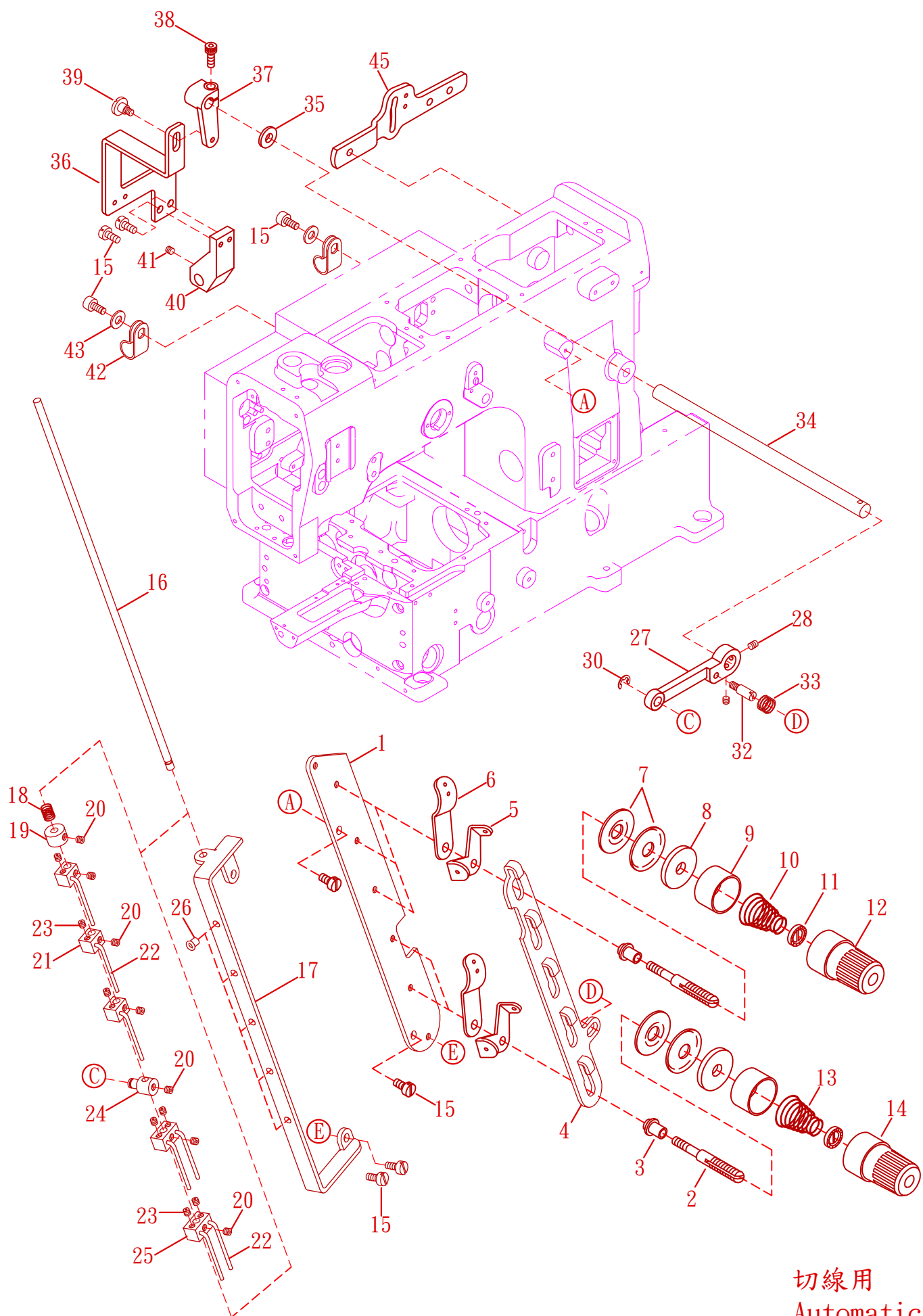
Ref.	Parts			14-1
No.	No.	Description	零 件 名 稱	Amt .
				Req .
1	M0801-1	Lifter Shaft	軸	1
2	VI08	Washer	墊片	1
3	SW03	Spring Washer	彈簧墊片	1
4	SF224	Screw (M4 - 0.7 × 8)	螺絲	1
5	35-27	Ring	扣環	1
6	GJ15	Collar (10 × 17 × 8 mm)	軸環	1
7	SF228	Screw (M4 - 0.7 × 4)	螺絲	2
8	M0808	Bracket	固定座	1
9	SF237	Screw (M5 - 0.8 × 20)	螺絲	1
10	SW06	Spring Washer	彈簧墊片	1
11	VF35	Needle Thread Take - up	針線揚線桿	1
12	SV221	Screw (M4 - 0.7 × 8)	螺絲	5
13				
14	M0814-1	Bracket	固定座	1
15				
16	WF04	Washer	墊片	1
17	SV206	Screw (M2.5 - 0.45 × 3.5)	螺絲	5
18	F0367	Thread Eyelet Support	導線支柱	4
19	FC24	Supplementary Tension Disc	上飾線過線盤(小)	2
20	VC42	Supplementary Tension Spring	彈簧	1
21	VC40	Tension Post	上飾線張力調整組支柱	1
22	VC43	Nut	螺帽	1
23	M0823-1	Needle Thread Eyelet	針柱過線座	1
24	SV224	Screw (M4 - 0.7 × 7)	螺絲	2
25				
26	GE47	Washer	墊片	3
27	SV210	Screw (M3 - 0.5 × 4)	螺絲	2
28				
29				
30	M0830	Washer	墊片	1
31	M0831	Thread Eyelet	過線板	1
32	M0832	Needle Thread Guide	針線導架	1
33	SV215	Screw (M3 - 0.5 × 5)	螺絲	1
34	M0834-1	Thread Eyelet	過線板	1
35	M0835	Top Cover Thread Take - up	上飾線揚線桿	1
36	M0836	Top Cover Thread Eyelet (Right)	上飾線過線桿 (右)	1
37	SV229	Screw (M4 - 0.7 × 7)	螺絲	3
38	M0838	Top Cover Thread Eyelet	上飾線過線桿	1
40	G0840	Top Cover Thread Guide	上飾線座架	1
42	WF03	Washer	墊片	2
43	VC39	Supplementary Thread Guide	上飾線輔助導板	1
44	N0378	Needle Thread Guard	針線導架	1
45	N0379	Adjusting lever	可調式導板	1
46	GE57	Washer	墊片	2
47	17-22	Screw (M3 - 0.5 × 4)	螺絲	2



SPREADER DRIVING MECHANISM**上飾線驅動機構**

14-2

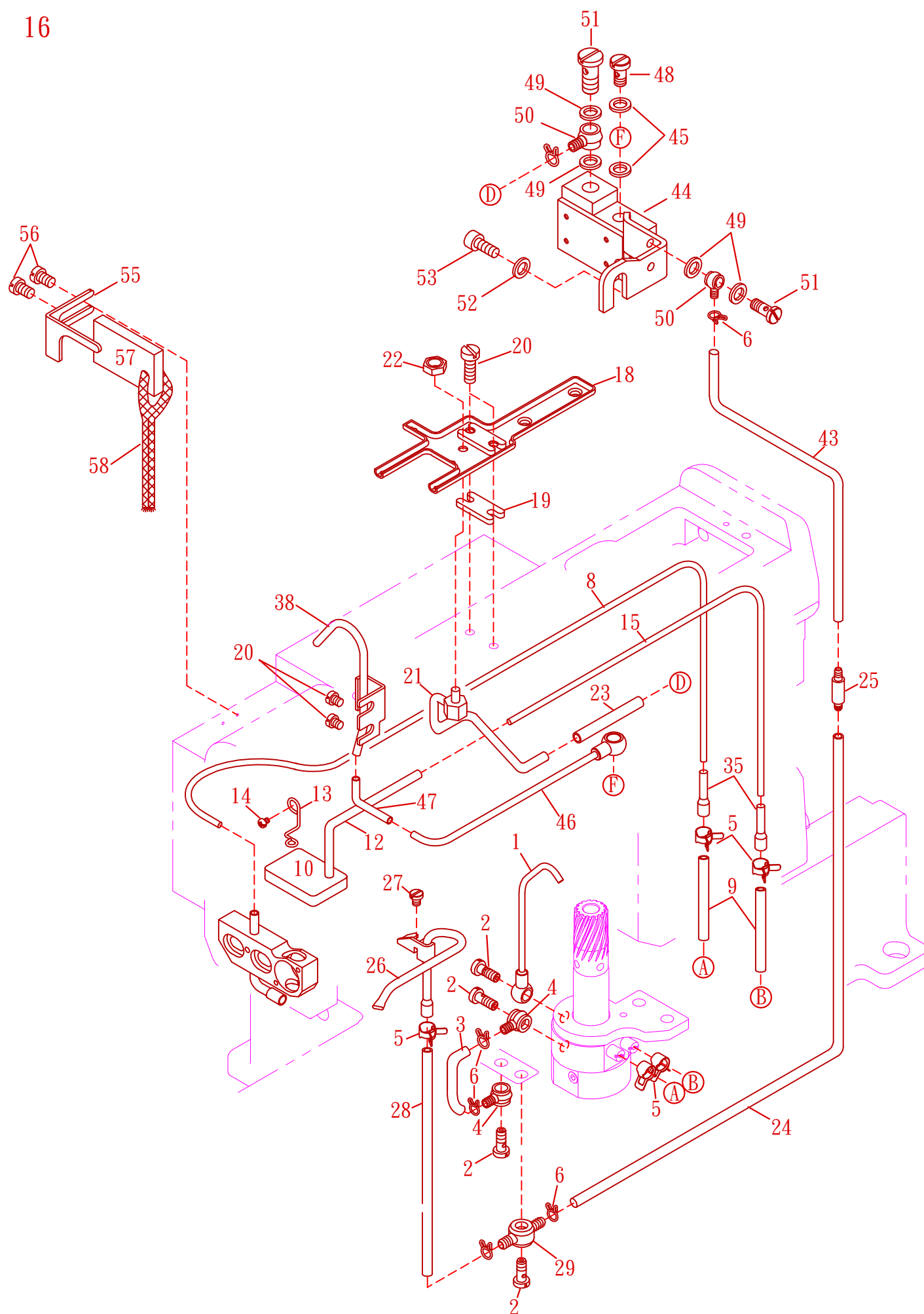
Ref.	Parts			14-2
No.	No.	Description	零 件 名 稱	Amt .
				Req .
1	M1001	Eccentric	偏心輪	1
2	SV250	Screw (M5 - 0.8 × 5)	螺絲	2
3	M1003	Connecting Rod	培林殼連桿	1
4	M1004	Adjusting Lever	可調式接柄	1
5	M0612	Screw (M6 - 0.75 × 14)	螺絲	1
6	M1006	Adjusting Lever Pin	可調式插銷	1
7	GB24	Washer	墊圈	1
8	M1008	Nut (SM 15 / 64 - 28)	螺帽	1
9	M1009	Driving Shaft	主動軸	1
10				
11				
12	M1012	Rocking Arm	搖臂	1
13	S0810	Screw (M6 - 0.75 × 5)	螺絲	2
14	M1014	Collar (10 × 17 × 8 mm)	軸環	1
15	M1015	Spreader Bar	上叉棒	1
16	M1016	Felt	吸油棉	2
17	M1017	Oil Wick	油蕊	1
18				
19	VI22	Collar (10 × 18 × 7mm)	定位軸環	1
20				
21	M1021-1	Spreader Holder	裝飾線擺動臂	1
22	SV221	Screw (M4 - 0.7 × 8)	螺絲	1
23	SV241	Screw (M4 - 0.7 × 14)	螺絲	1
24				
25	Q1425	Spreader	裝飾線結線勾	1
26	VI21	Bushing Ring	襯片	1
27	M1027	Collar (8 mm × 16 mm × 8 mm)	定位環	1
28	SF228	Screw (M4 - 0.7 × 4)	螺絲	4



切線用
Automatic

MISCELLANEOUS THREAD EYELETS(Automatic)
過線裝置及附件(切線)
15

Ref. No.	Parts No.	Description	零 件 名 稱	Amt . Req.
1	VC14	Tension Post Support (5 Threads)	上線張力組支柱座 (三針五線)	1
	VC14-1	Tension Post Support (6 Threads)	上線張力組支柱座 (四針六線)	
2	VC09-1	Tension Post	上線張力彈簧支柱	5
3	VC10	Tension Post Ferrule	上線張力支柱隔環	5
4	16-35	Tension Disc Separator (5 Threads)	過線張力盤分離架(三針五線)	1
	16-35-1	Tension Disc Separator (6 Threads)	過線張力盤分離架(四針六線)	
5	VC12	Tension Disc Eyelet	上飾線過線板	5
6	VC13	Thread Lead - in Guide	過線導片	5
7	FK14	Tension Disc	張力過線盤(大)	10
8	FK12-1	Felt	氈墊	5
9	FJ21	Thread Tension Spring Retainer	上線張力彈簧固定座	5
10	VC03	Needle Thread Tensoin Spring	針線張力彈簧	3
11	FK19	Tension Spring Disc Support	張力調整圓盤	5
12	FK20-1	Thread Tension Spring Cap (B)	上線張力調整鈕 (藍)	3
13	VC05	Top Cover Thread Tension Spring	上線張力彈簧	2
14	FK20	Thread Tension Spring Cap (R)	上線張力調整鈕 (紅)	2
15	SV221	Screw (M4 - 0.7 × 8)	螺絲	8
16	16-19	Thread Pull-off Bar	過線鬆線桿	1
17	16-182	Thread Pull-off Eyelet (5 Threads)	過線鬆線架(三針五線)	1
	16-18-1	Thread Pull-off Eyelet (6 Threads)	過線鬆線架(四針六線)	
18	VC36	Needle Thread Retainer Spring	針線張力彈簧	1
19	16-14	Collar	止推軸環	1
20	SV242	Screw (M4 - 0.7 × 3)	螺絲	7
21	16-22	Thread Pull-off Hook Unit (One Hook)	針線釋放固定座(單孔)	3
22	16-23	Thread Wiper Lever	撥線桿	7
23	SF106	Screw (SM1 / 8 - 44 × 2.8)	螺絲	7
24	16-24	Thread Pull-off Bar Holder	鬆線轉動軸	1
25	16-25	Thread Pull-off Hook Unit (Double Hook)	針線釋放固定座(雙孔)	2
26	FA20	Ceramic Guide	陶瓷	5
27	M1929	Tension Connected Lever(Front)	拉力釋放驅動連桿(前)	1
28	SF228	Screw (M4 - 0.7 × 4)	螺絲	2
29				
30	16-28	Retaining Ring	扣環 ETW-4 BK	1
31				
32	16-30	Stud (M4 - 0.7 × 15)	螺椿	1
33	VH49-1	Spring	隔震彈簧	1
34	M0339-1	Tension Release Shaft	張力釋放軸	1
35	VH51	Washer	墊片	1
36	S3825	Tension Release Connecting Plate	安全開關固定座	1
37	M0336	Crank	曲柄	1
38	SF230	Screw (M 5- 0.8 × 12)	螺絲	1
39	16-10	Screw (M4 - 0.7)	螺絲	1
40	S3820	Tension Release Block	壓簧固定座	1
41	SV260	Screw (M6 - 1.0 × 5)	螺絲	1
42	FL13	Cord Clamp	配線固鈕 UC-1	2
43	WF04	Washer	墊片	2
44				
45	M0372	Lifter Lever	揚升臂	1



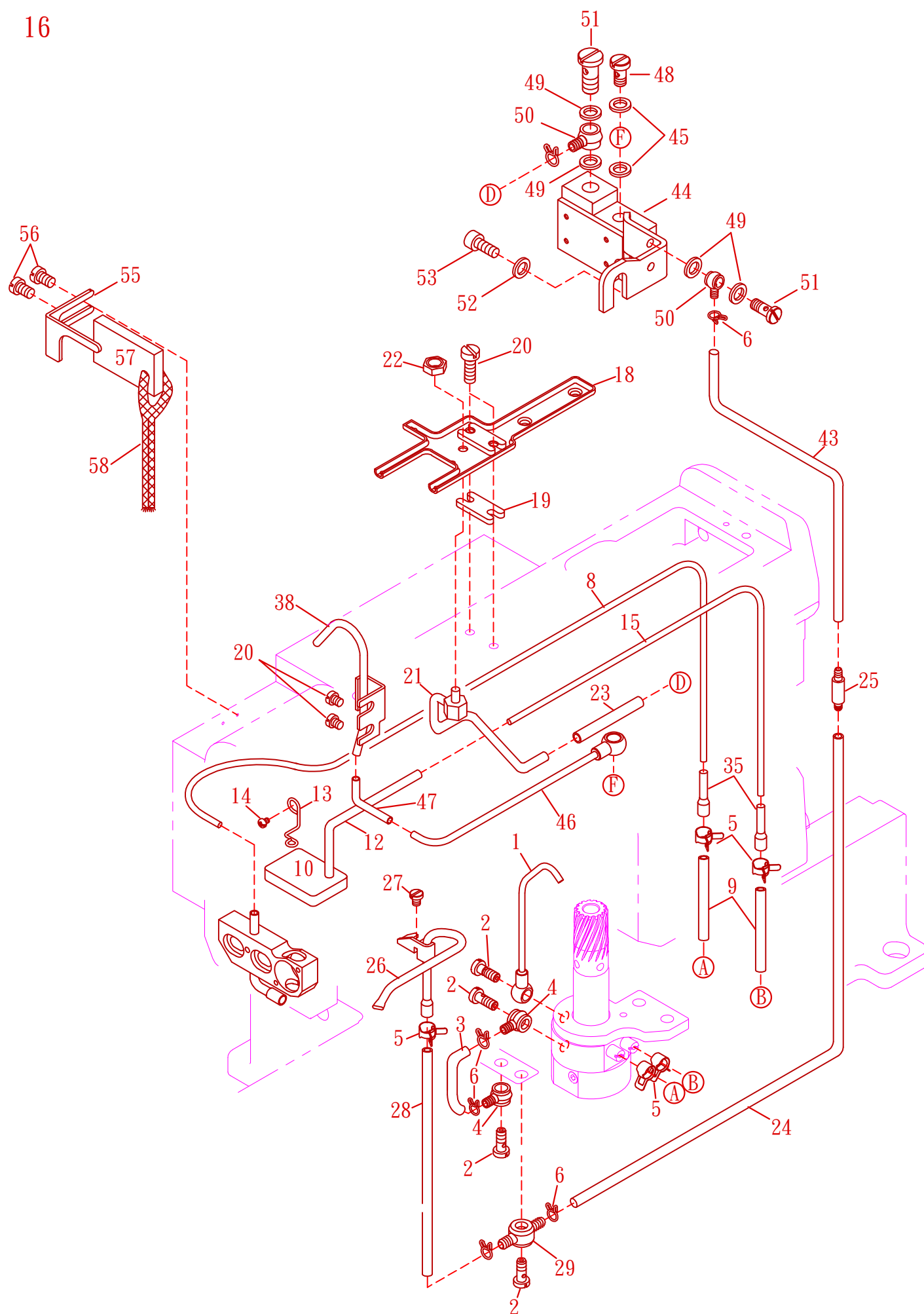
LUBURICATION MECHANISM(1)

給油機構(1)

16

Ref. No.	Parts No.	Description	零 件 名 稱	Amt . Req .
1	S3201	Oil Nozzle For Worm Gear	驅動蝸齒噴油嘴	1
2	SV140	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	2
5	S3205	Oil Tube Clamp	油管束子	5
6	VM35	Oil Tube Clamp	油管夾	6
7				
8	S3208	Oil Tube ($\phi 3 \times \phi 5 \times 740\text{mm}$)	油管	1
9	S3209	Oil Tube ($\phi 4 \times \phi 6 \times 60\text{mm}$)	油管	2
10	M1845-1	Oil Sponge	吸油棉	1
11				
12	M1840	Suction Pipe	迴油管	1
13	M1839	Oil Tube Spring	油管固定線	1
14	SV229	Screw (M4 - 0.7×7)	螺絲	1
15	S3215	Oil Tube ($\phi 3 \times \phi 5 \times 620\text{mm}$)	油管	1
16				
17				
18	M1805	Oil Receiver	承油盤	1
19	M1806	Connection	結合墊塊	1
20	SV221	Screw (M4 - 0.7×8)	螺絲	4
21	M1842-1	Oil Sight Top Nozzle	外視油量上噴嘴	1
22	NF27	Nut	螺帽	1
23	S3223	Oil Tube ($\phi 4 \times \phi 6 \times 80\text{mm}$)	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	GB35	Screw (M4 - 0.7×5)	螺絲	1
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				
34				
35	S3235	Air Pipe	銅管	2
36				
37				
38	M1832	Top Nozzle Bar	上噴嘴銅管	1
39				
40				

* Ref. No. 41 to 58 See the following page



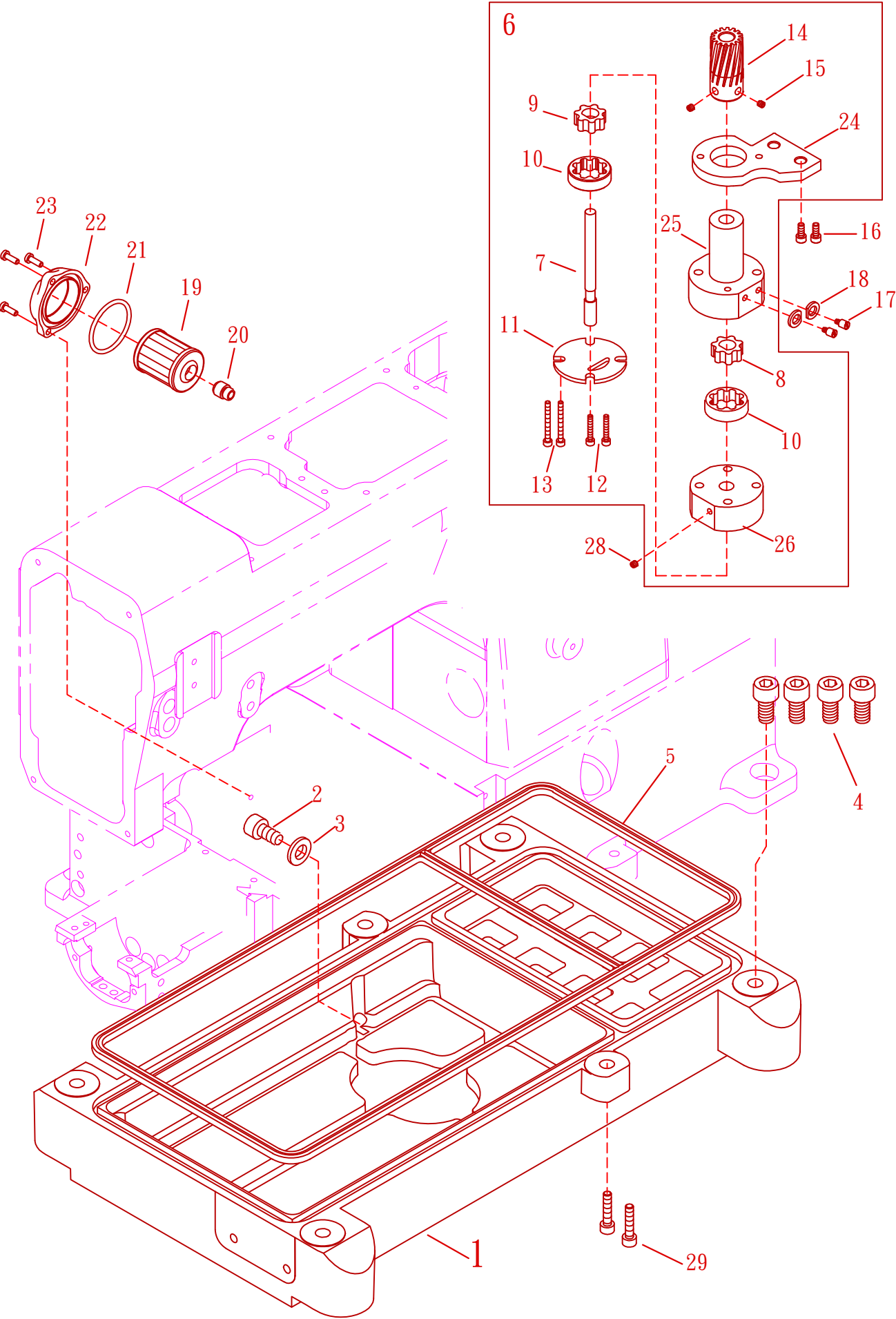
LUBURICATION MECHANISM(1)

給油機構(1)

16

Ref. No.	Parts No.	Description	零 件 名 稱	Amt . Req .
41				
42				
43	S3243	Oil Tube ($\phi 4 \times \phi 6 \times 80\text{mm}$)	油管	1
44	M1820	Oil Tube Bracket	油管固定器	1
45	FL14	Seal	紅墊片	2
46	M1828	Air Pipe	銅管	1
47	S3247	Oil Tube ($\phi 3 \times \phi 5 \times 80\text{mm}$)	油管	1
48	M1829	Fitting Stud (Short)	放油螺絲 (短) 單孔	1
49	VM37	Oil Sight Gauge	紅墊片	4
50	VM29-1	Oil Tube Joint , one-sided	單向油管接頭	2
51	M1827	Fitting Stud (Short)	放油螺絲 (短) 單孔	2
52	WF06	Washer	墊片	1
53	SV266	Screw (M6 - 1.0 $\times$ 10)	螺絲	1
54				
55	M1816	Tube Retainer	固定扣	1
56	GJ36	Screw (M4 - 0.7 $\times$ 6)	螺絲	2
57	M1818	Oil Sponge	吸油棉(下)	1
58	M1819	Oil Wick	油蕊	1

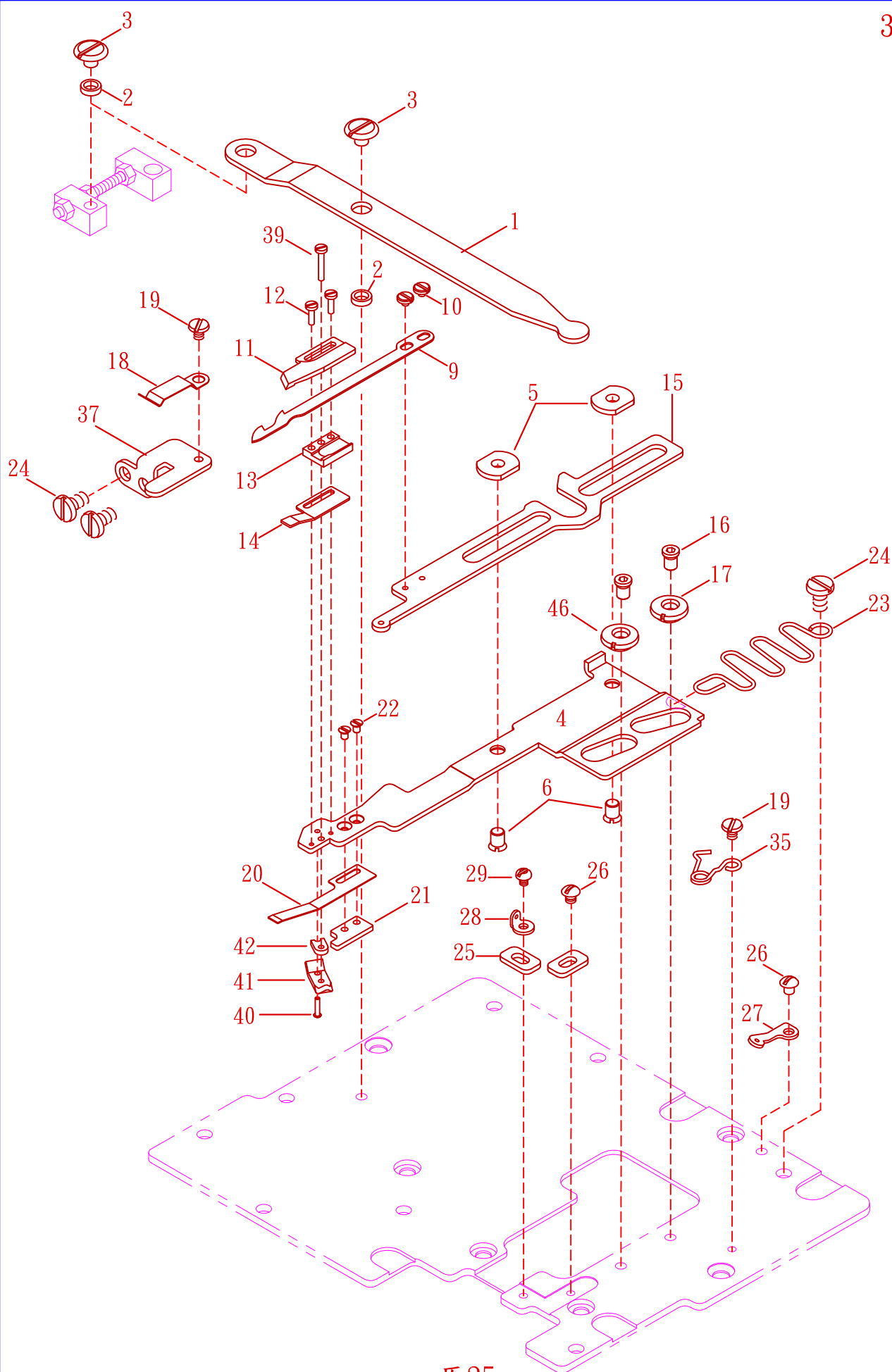
※ Ref. No. 1 to 40 See the preceding page.



LUBURICATION MECHANISM(2)給油機構(2)

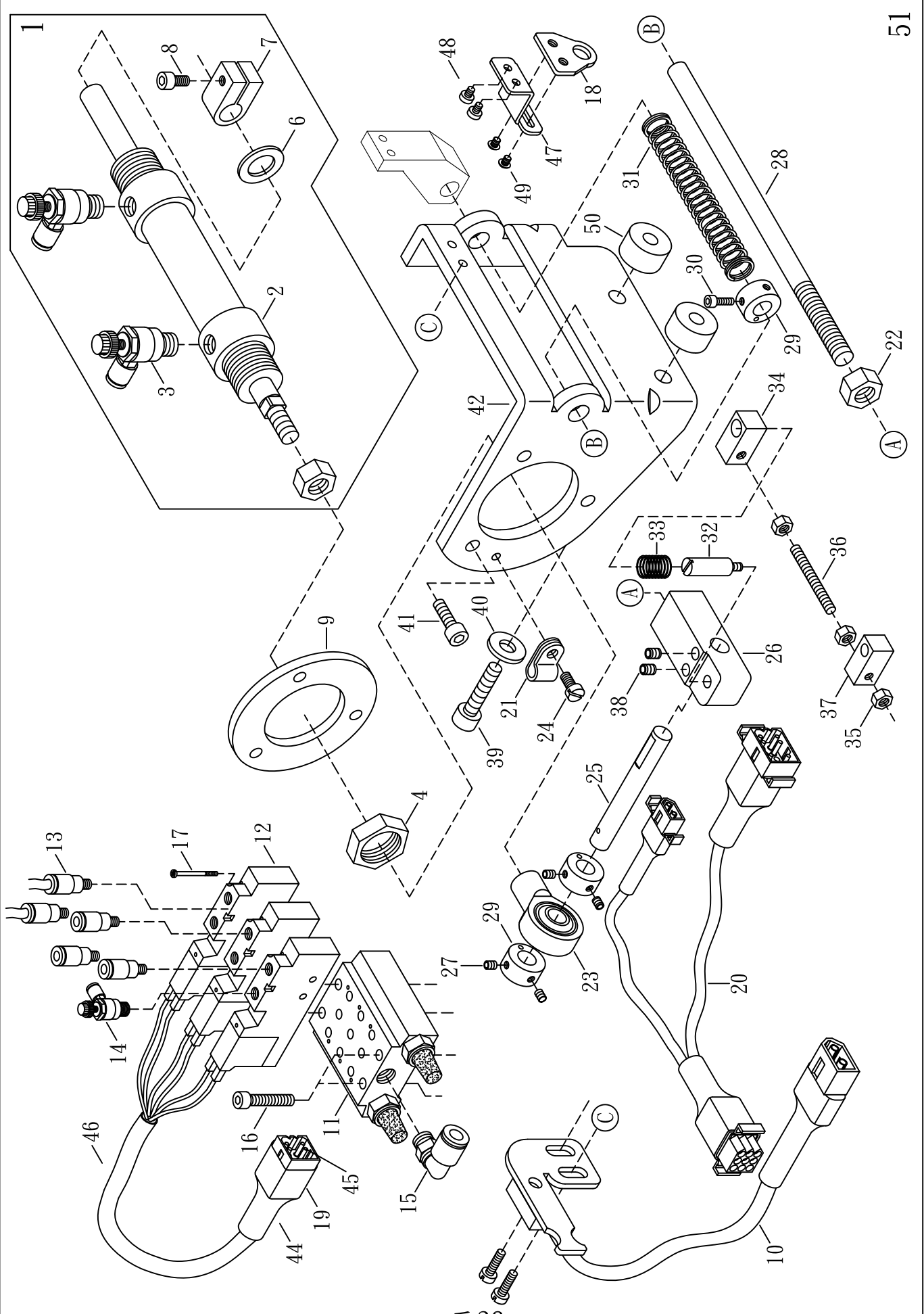
17

<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	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	M3406	Oil Pump Assembly	油泵組	1
7	S3407	Lower Base Washer	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)	1
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	2
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				
28	MHQ030	Screw (M5 - 0.8 × 3)	螺絲	1
29	SF243	Screw (M6 - 1.0 × 25)	螺絲	2



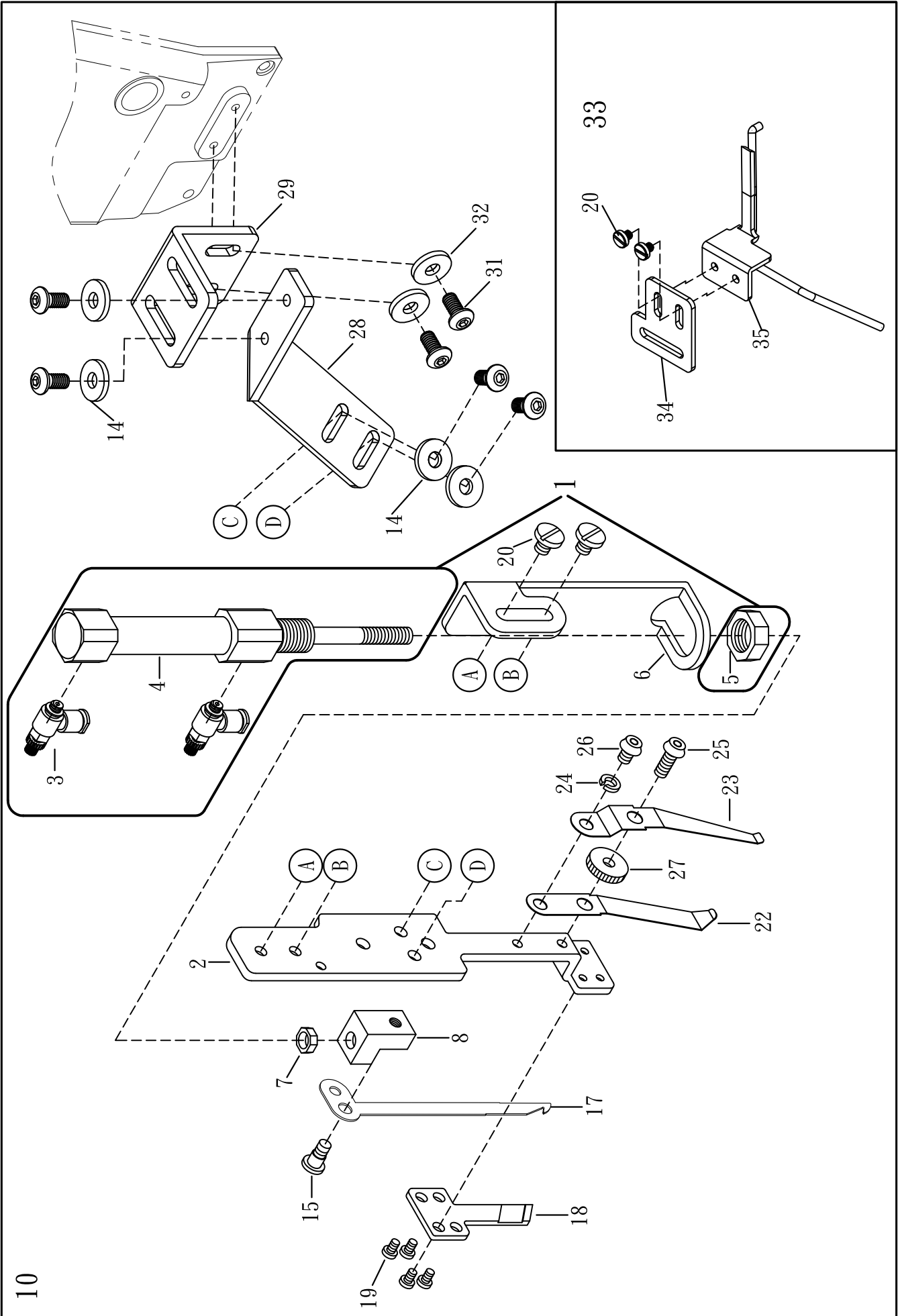
UNDER THREAD TRIMMER**下切刀驅動機構****18**

Ref.	Parts			18
No.	No.	Description	零 件 名 稱	Amt .
				Req .
1	S3602	Lower Knife Driving Lever	驅動桿	1
2	S3603	Washer	墊片	2
3	S3609	Screw (M4 - 0.5 × 4)	螺絲	2
4	Q2504	Upper Knife Carrier	上切固定座	1
5	Q2505	Lower Knife Holder	刀鎖付板	2
6	Q2506	Screw (M4 - 0.5 × 5.5)	螺絲	2
7				
8	17-26	Screw (M2 - 0.4 × 3)	螺絲	1
9	Q2509	Lower Knife	活動刀	1
10	20-15	Screw (M2 - 0.4 × 2)	螺絲	2
11	17-23	Upper Knife	固定刀	1
12	S3615	Screw (M1.6 - 0.35 × 6)	螺絲	2
13	S3617	Lower Knife Guide	刀墊座	1
14	S3618	Clamp Spring	夾線簧片	1
15	Q2515	Lower Knife Holder	下切刀活動刀座	1
16	Q2516-1	Screw (M4 - 0.5 × 6.5)	螺絲	2
17	Q2517	Knife Guide Eccentric	切刀搖臂偏心輪	1
18	Q2518	Clamp Spring	夾線簧片	1
19	N1220	Screw (M3 - 0.5 × 2.7)	螺絲	2
20	S3628	Clamp Spring	夾線簧片	1
21	S3629	Clamp Spring Presser Holder	夾線固定板	1
22	S2417	Screw (M2 - 0.4 × 3)	螺絲	2
23	Q2523	Upper Knife Carrier Spring	送進彈簧	1
24	MFB080	Screw (M4 - 0.7 × 8)	螺絲	3
25	S3633	Upper Knife Carrier Stop	切刀定位固定板	2
26	GB08	Screw (M3 - 0.5 × 3.5)	螺絲	2
27	F0360	Thread Eyelet	過線片	1
28	VJ08	Thread Eyelet	過線片	1
29	SV214	Screw (M3 - 0.5 × 4)	螺絲	1
30				
35	Q2535	Spring	彈簧	1
36				
37	Q2537	Clamp Support	水平固定片	1
38	Q2538	Under Thread Timmer, Complete Set	下切刀組	1
39	S3616	Screw (M1.6 - 0.35 × 10)	螺絲	1
40	S3622	Rivet	鉚釘	1
41	S3621	Clamp Spring Presser Holder	夾線固定板	1
42	S3627	Spacer	襯墊	1
46	Q1846	Bushing	定位襯套	1

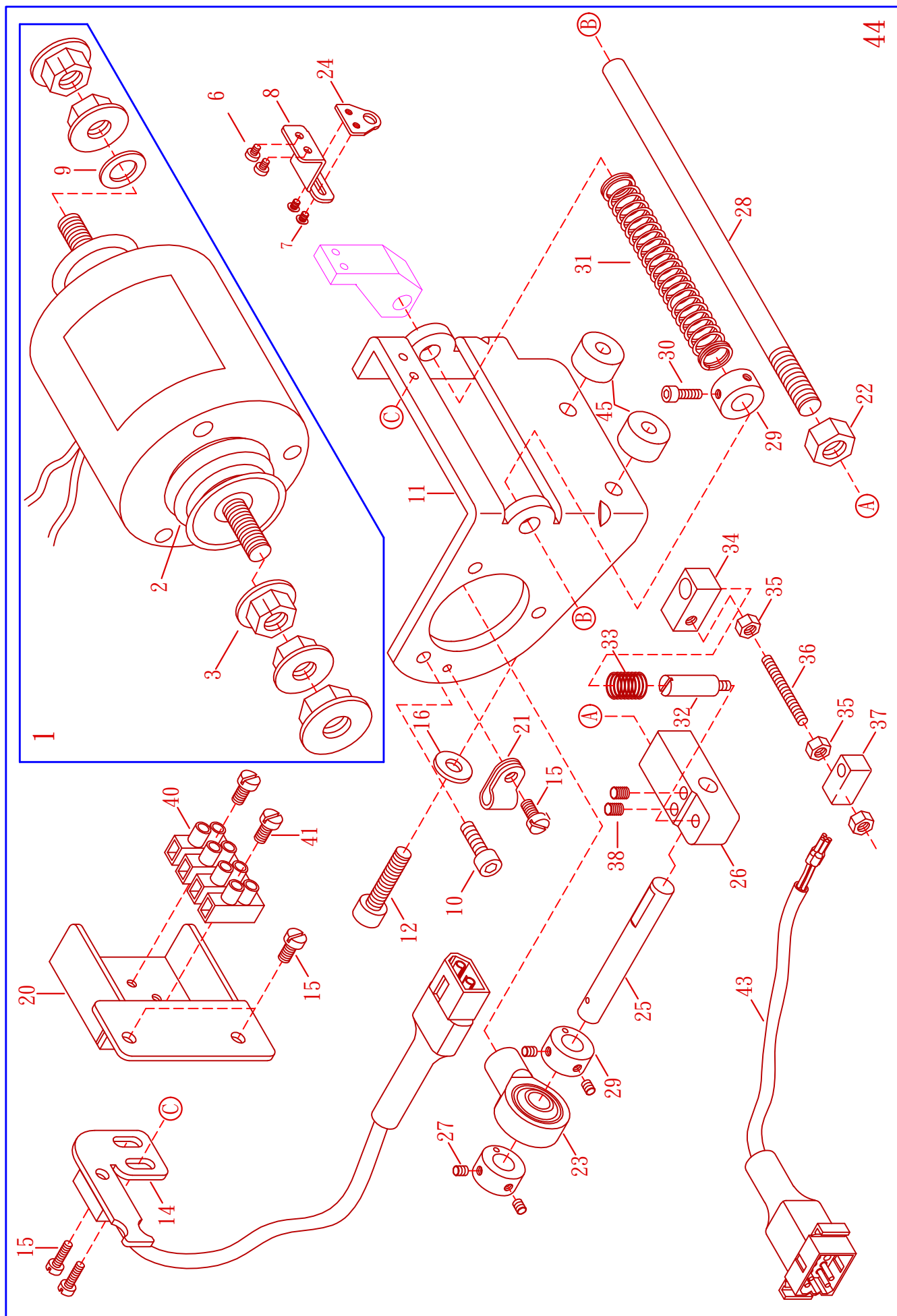


UNDER THREAD TRIMMER (PNEUMATIC TYPE) (OPTIONAL)氣壓式下切刀驅動機構(選購)

<u>Ref.</u> <u>NO.</u>	<u>Parts</u> <u>NO.</u>	<u>Description</u>	<u>零 件 名 稱</u>	<u>19</u> <u>Amt.</u> <u>Req.</u>
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	21-11	Air Solenoid Base	電磁閥連座	1
12	21-12	Solenoid Value	電磁閥	3
13	21-13	Air Tube	直接管	5
14	21-14	Adjusting Value	調節閥	1
15	21-15	Elbow Connector	彎接管	1
16	SV236	Screw (M4 - 0.7 × 25)	螺絲	4
17	21-17	Screw (M2 - 0.4 × 22)	螺絲	6
18	19-24-1	Magnetic Base	磁鐵座	1
19	21-19-1	Connector	連接器.9P	1
20	Q1920	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	19-25	Plunger Connecting Pin	軸心	1
26	S3810	Plunger	調節桿座	1
27	SF228	Screw (M4 - 0.7 × 4)	螺絲	4
28	19-28-1	Cylinder Return Shaft	螺桿軸心	1
29	VH32	Collar	止推緊環	3
30	SF224	Screw (M4 - 0.7 × 8)	螺絲	2
31	19-31	Spring	彈簧	1
32	19-32	Screw	螺椿	1
33	19-33	Spring	彈簧	1
34	19-34	Connecting Block (Right)	調節座(大)	1
35	NV12	Nut	螺帽	3
36	19-36	Screw	螺絲	1
37	S3646	Connecting Block (Left)	調節座(小)	1
38	SV250	Screw (M5 - 0.8 × 5)	螺絲	2
39	SF244	Screw (M6 - 1.0 × 16)	螺絲	2
40	WF06	Washer	華司	2
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	19-43-2	Connector Cover	連接器套頭	1
45	19-43-3	Teminal	端子(公)	6
46	1M040	PVC Cover	PVC套管	1
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	S3821	Spacer	墊塊	2
51	S3851	Pneumatic Under Thread Trimmer Complete Set	下切刀驅動氣壓組	1



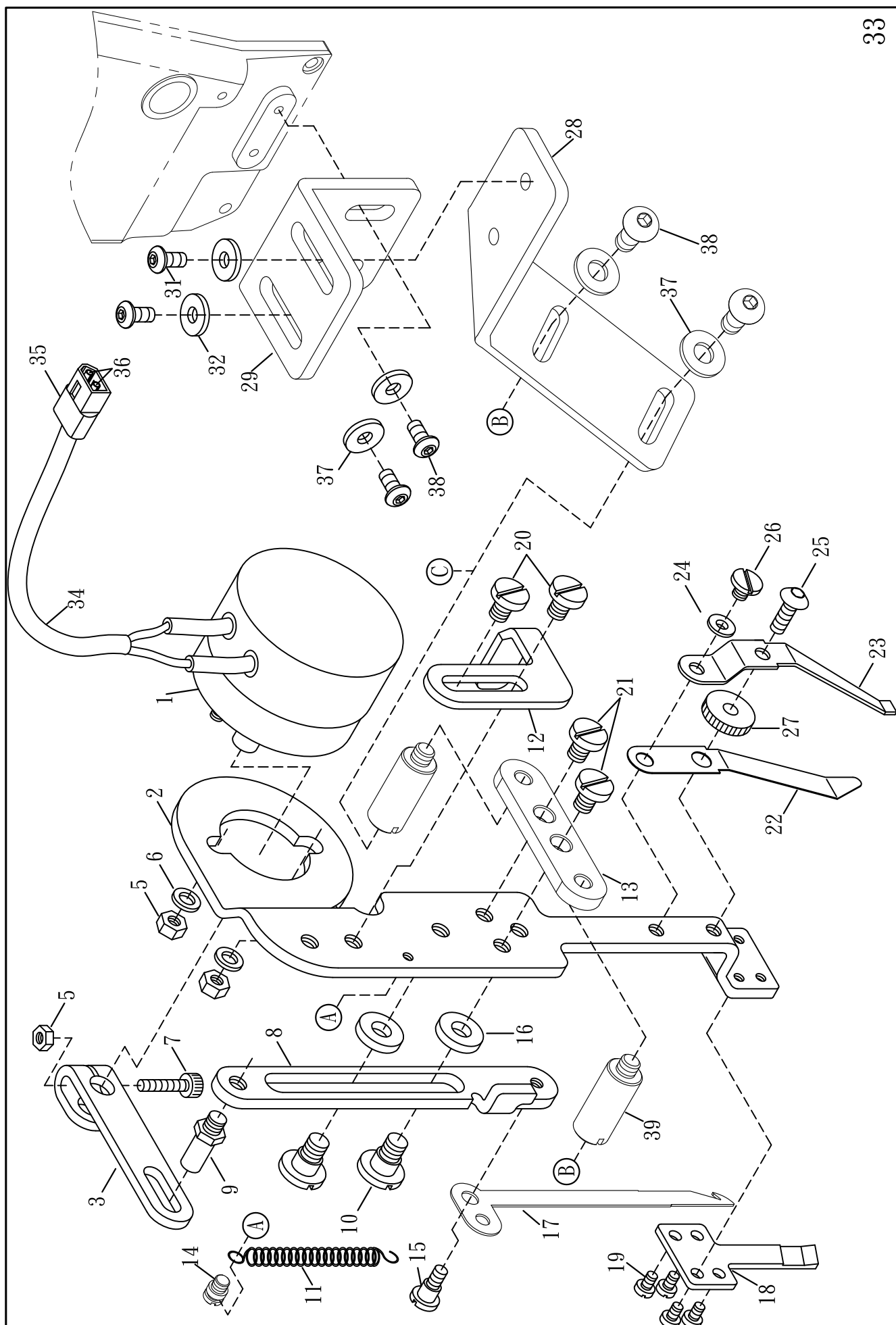
TOP THREAD TRIMMER (PNEUMATIC TYPE) AND AIR WIPER (OPTIONAL) 氣壓式上切刀機構與吹風組(選購)				20
Ref. NO.	Parts NO.	Description	零 件 名 稱	Amt. Req.
1	18-1	Top Trimmer Air Cylinder Complete Set	上切刀氣缸組	1
2	Q2002	Fixed Trimmer Knife Holder	氣壓式切刀導槽	1
3	18-3	Pneumatic Regulator	調節閥	2
4	18-4	Top Trimmer Air Cylinder	上切刀氣缸	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				
10	M2510	Pneumatic Top Trimmer, Complete Set	上切刀氣壓組	1
11				
12				
13				
14	WF04	Washer	墊片	4
15	18-15	Screw (M3 - 0.5)	螺絲	2
16				
17	Q2017-1	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 × 3.8)	螺絲	4
20	18-20	Screw (SM 9/64 - 40 × 5)	螺絲	4
21	Q2021	Screw (M4 - 0.7 × 6)	螺絲	2
22	18-22	Clamp Spring	夾線片	1
23	18-23	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 (M3 - 0.5 × 4)	螺絲	1
27	18-27	Adjusting Nut	調節螺帽	1
28	Q2028	Trimming Movement Base	方向作動整座	1
29	Q2029	Trimming Fixed Bracket	上切刀固定作	1
30	SF225	Screw (M4 - 0.7 × 10)	螺絲	2
31	18-31	Screw (M4 - 0.7 × 8)	螺絲	6
32	FA24	Washer	墊片	2
33	S2435A	Tube, Complete Set	吹風管組	1
34	S2434	Base	固定座	1
35	S2435	Tube	吹風管	1



UNDER THREAD TRIMMER (ELECTRIC TYPE) (OPTIONAL)**電磁式下切刀驅動機構(選購)**

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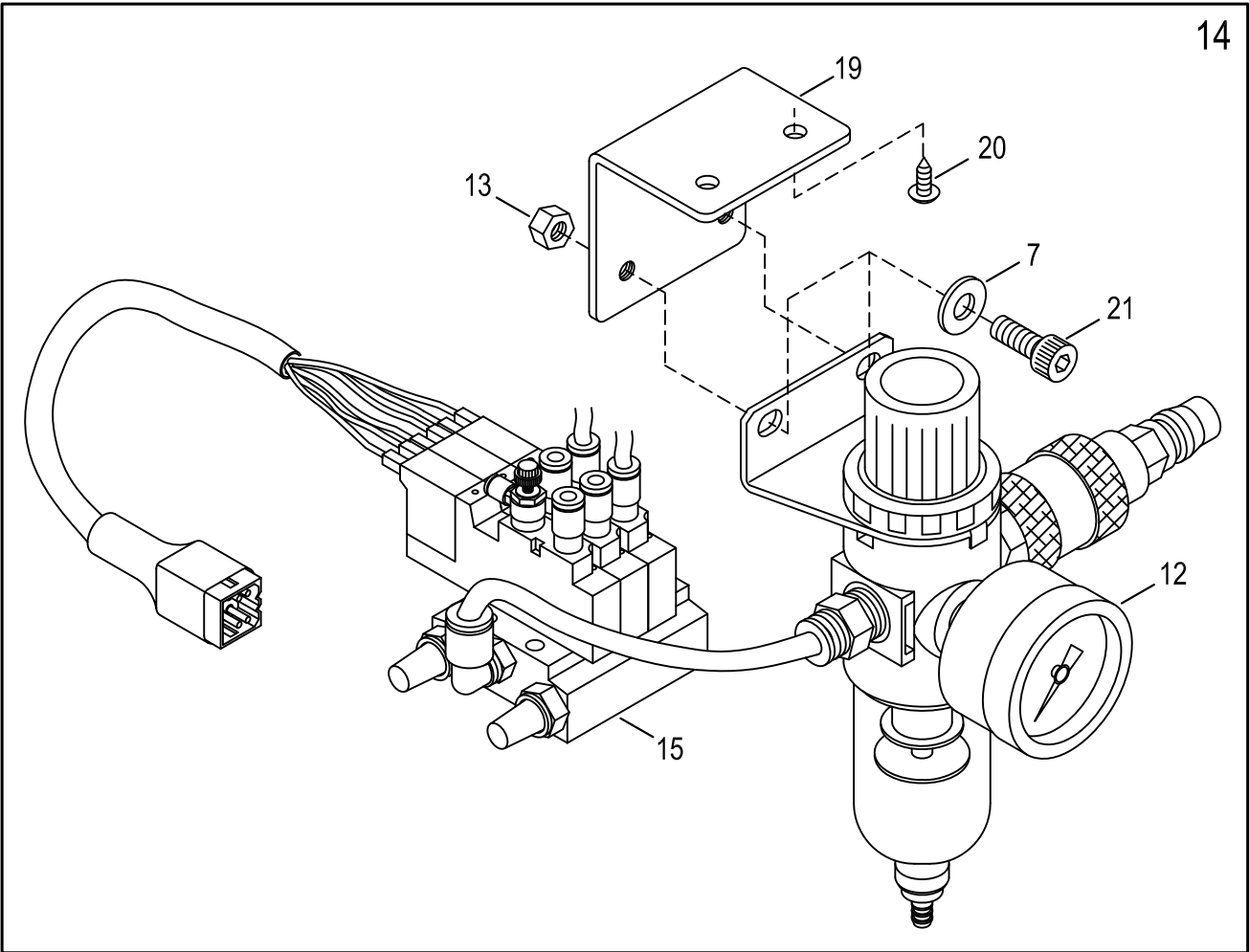
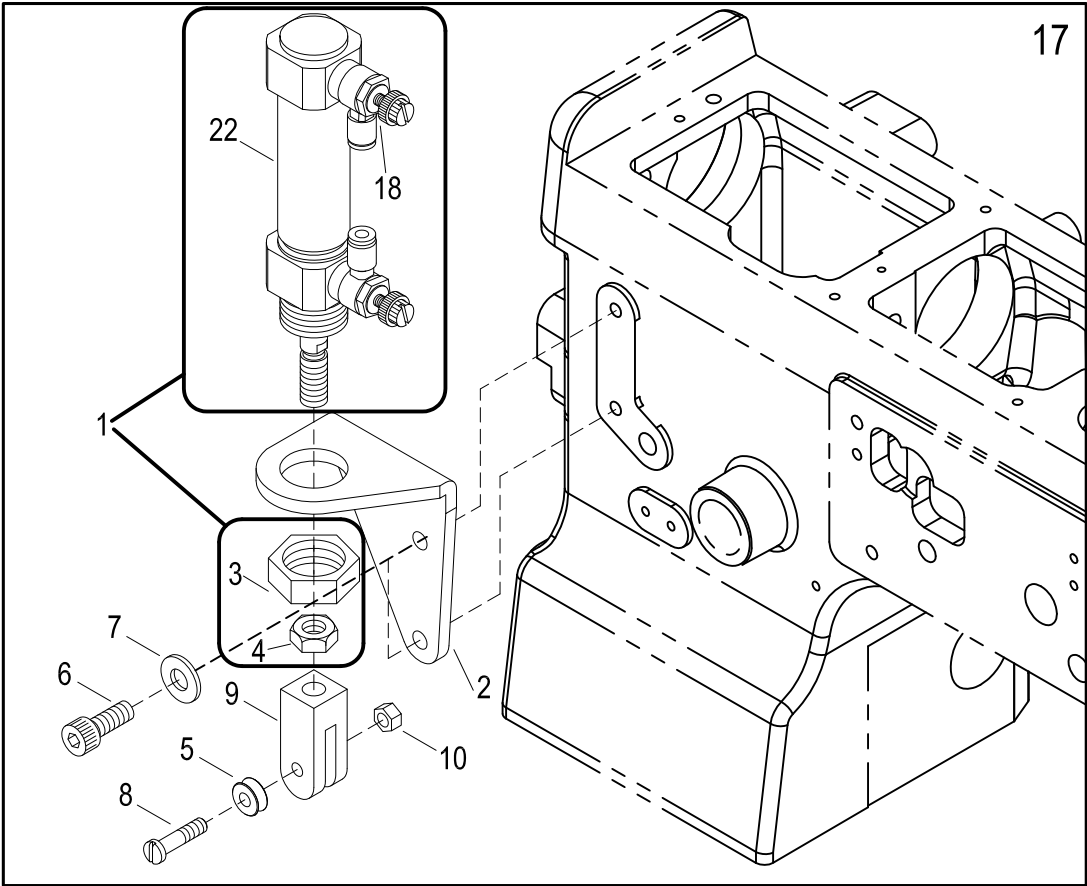
Ref.	Parts			Amt.
NO.	NO.	Description	零 件 名 稱	Req.
1	19-01	Under Trimmer Solenoid	下切刀電磁閥	1
2	19-02	Solenoid Body	電磁閥伸縮護套	1
3	19-03	Nut	螺母	5
4				
5				
6	SV208	Screw (M3 - 0.5 × 4.5)	螺絲	2
7	GB08	Screw (M3 - 0.5 × 3.5)	螺絲	2
8	S3826	Magnetic Adjusting Base	磁鐵調節座	1
9	21-06	Anti-shock Rubber	避震膠墊	1
10	SV252	Screw (M5 - 0.8 × 10)	螺絲	3
11	S3802	Trimming Solenoid Support	下切刀驅動固定座	1
12	SF244	Screw (M6 - 1.0 × 16)	螺絲	2
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	WF06	Washer	墊片	2
17				
18				
19				
20	F1616	Terminator Support	端子固定座	1
21	FL13	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	19-25	Plunger Connecting Rod Pin	軸心	1
26	S3810	Adjusting Rod Block	調節桿座	1
27	SF228	Screw (M4 - 0.7 × 4)	螺絲	4
28	19-28-1	Solenoid Return Shaft	螺桿軸心	1
29	VH32	Collar	止推緊環	3
30	SV247	Screw (M4 - 0.7 × 20)	螺絲	1
31	19-31	Spring	彈簧	1
32	19-32	Screw (M5 - 0.8 × 26)	螺椿	1
33	19-33	Spring	彈簧	1
34	19-34	Connecting Block	調節座(大)	1
35	NV12	Nut	螺帽	3
36	19-36	Screw (M5 - 0.8 × 40 全牙)	螺絲	1
37	S3646	Connecting Block	調節座(小)	1
38	SV250	Screw (M5 - 0.8 × 5)	螺絲	2
39				1
40	19-40	Terminal Base	端子座	1
41	MDA100	Screw (M3 - 0.5 × 10)	螺絲	2
42				
43	Q2143	Adopting Cord	電切用中繼線	1
44	S3844	Under Trimmer Solenoid Set	下切驅動電磁組	1
45	S3821	Spacer	墊塊	2



TOP THREAD TRIMMER (ELECTRIC TYPE) (OPTIONAL)**電磁式上切刀機構(選購)**

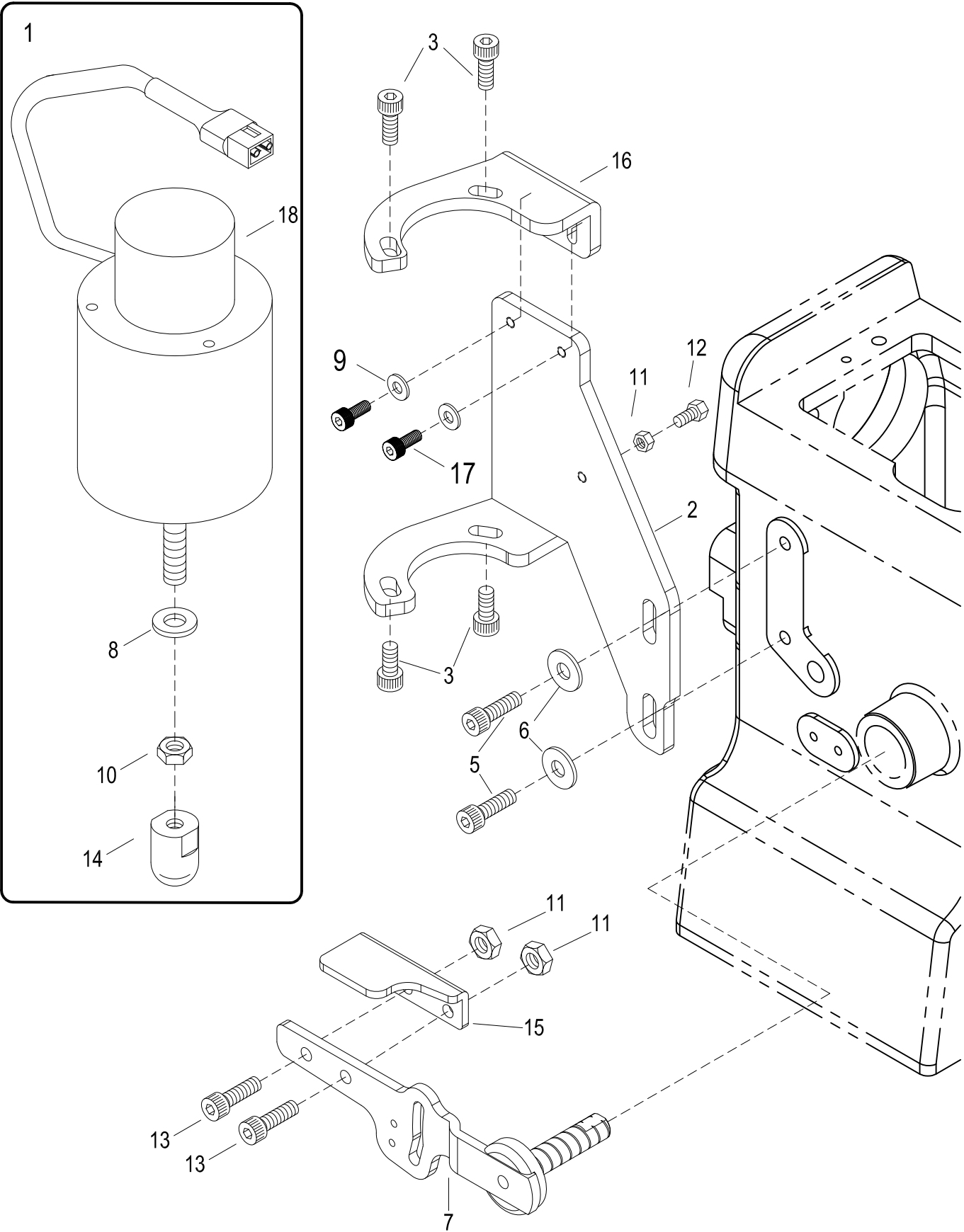
22

Ref.	Parts			Amt.
NO.	NO.	Description	零 件 名 稱	Req.
1	37-01	Solenoid	電磁閥	1
2	37-02	Solenoid Bracket	電磁閥機體座	1
3	37-03	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	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 (M4-0.7×4.3)	螺絲	2
11	37-11	Spring	拉簧	1
12	37-12	Adjusting Screw	調節器	1
13	Q2213	Bracket	固定板	1
14	37-13	Screw (M3-0.5×2.4_)	螺絲	1
15	18-15	Screw (M3-0.5×6.4_)	螺絲	2
16	37-16	Washer	墊片	2
17	Q2017	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 (M2-0.4×3.8)	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	Knife Press Adjusting Spring	夾線押力片	1
24	18-24	Washer ϕ 3	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	Q2228	Knife Guide Bracket	方向作動調整座	1
29	Q2029	Upper Trimming Knife Base	上切刀固定座	1
30	SF225	Screw(M4-0.7×10)	螺絲	2
31	18-31	Screw (M4-0.7×8)	螺絲	2
32	FA24	Washer	華司	4
33	Q2233	Top Thread Trimmer, Complete Set	上切刀整組	1
34	1M040	PVC Cover	PVC套管	1
35	21-20-2	Connector Cover	連接器套頭	1
36	19-43-3	Terminal	端子(公)	2
37	WF04	Washer	墊片	4
38	L0202Ni	Screw(M4-0.7×10)	螺絲	4
39	Q2021	Screw(M4-0.7)	連接螺絲	2



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

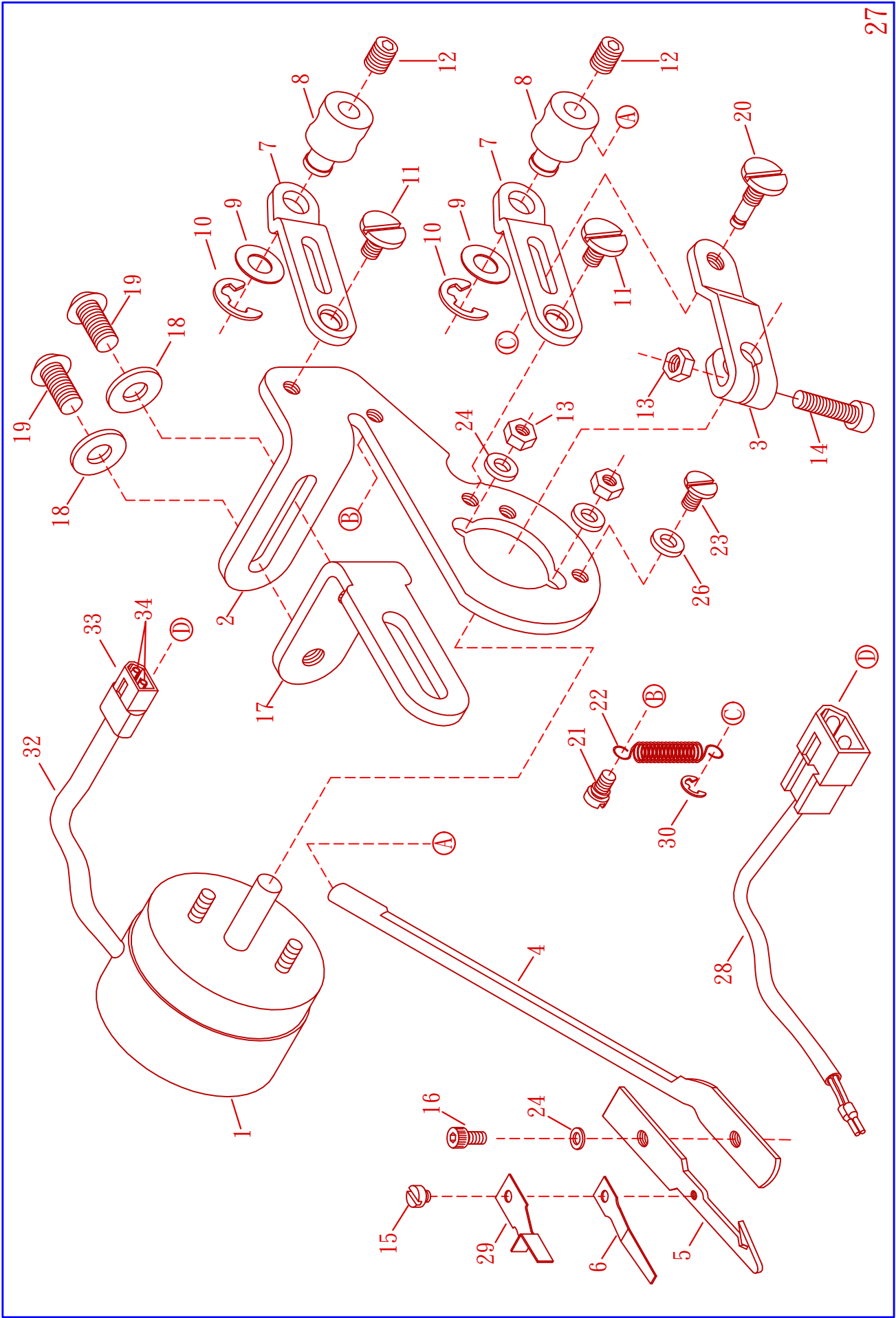
Ref. No.	Parts No.	Description	零 件 名 稱	Amt . Req .
1	J3224	Air Cylinder Complete Set	氣缸組	1
2	M2602	Air Cylinder Bracket	氣缸托架	1
3	M2603	Nut	螺帽	2
4	M2604	Nut	螺帽	1
5	J3808	Lifting Wheel Guide	滾輪	1
6	GK03	Screw (M6 - 1 × 14)	螺絲	2
7	WF06	Washer	墊片	4
8	22-16	Screw	螺軸	1
9	M2609	Wheel Base	滾輪座	1
10	NV12	Nut	螺帽	1
11	J3225	Air Cylinder Complete Set	氣缸	1
12	23-12	Filter Regulator	壓力表	1
13	NF31	Nut	螺帽	2
14	23-14	Air Solenoid, Complete Set	電磁閥與氣壓整組	1
15	23-15	Air Solenoid Base	電磁閥座	1
16				
17	23-17	Air-Type Presser Foot Lifter	氣壓式抬壓腳整組	1
18	M2618	Pneumatic Regulator	調節閥	2
19	23-08	Regulator Support	壓力表支架	1
20	15-24	Wood Screw	木螺絲	2
21	SV266	Screw (M6 - 1.0 × 10)	螺絲	2
22	J3225	Air Cylinder	氣缸	1



PRESSER FOOT LIFTER (ELECTRIC TYPE) (OPTIONAL)**電磁式抬壓驅動機構(選購)**

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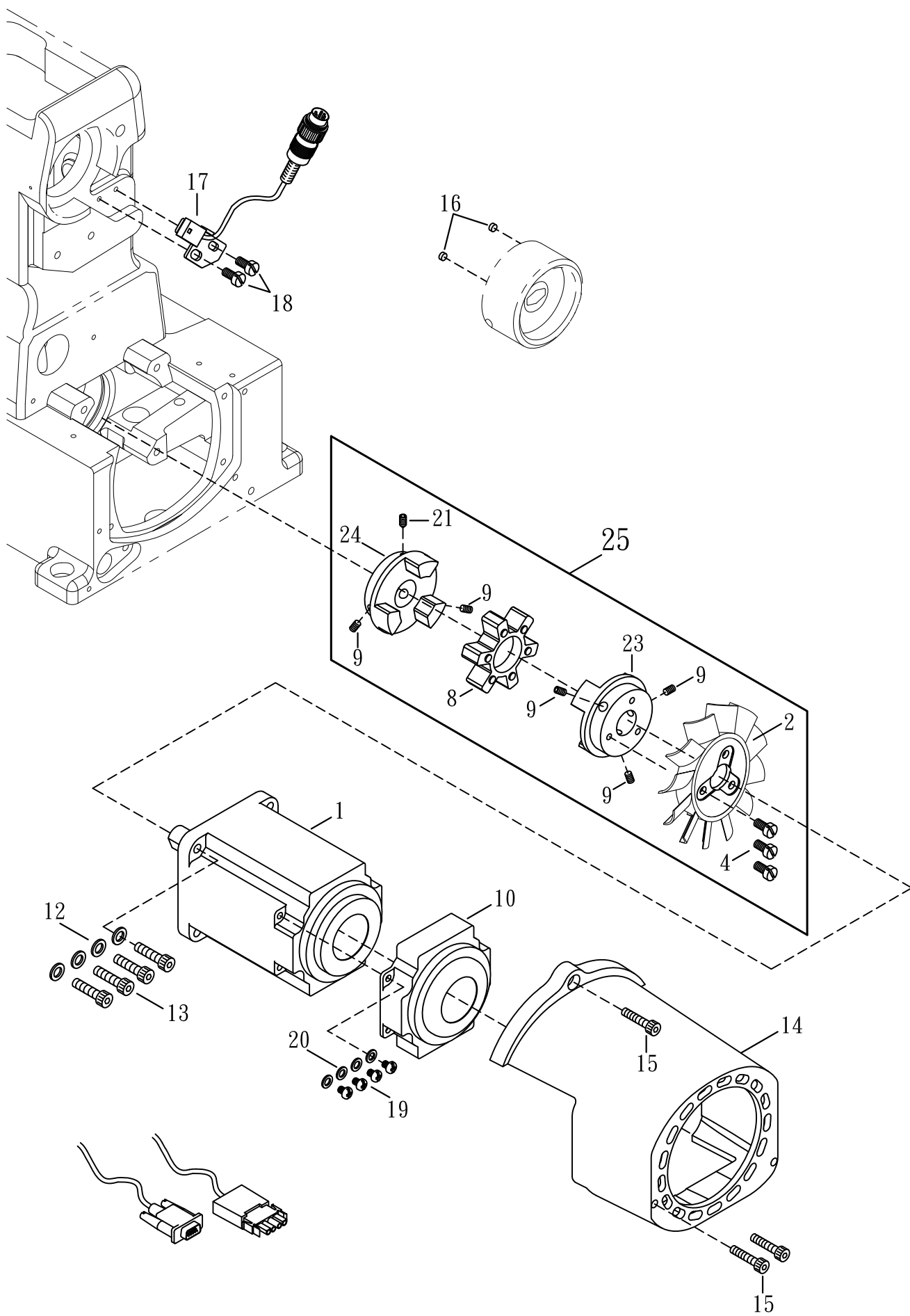
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<u>No.</u>	<u>No.</u>	<u>Description</u>	<u>零 件 名 稱</u>	<u>Req .</u>
1	N2401A	Presser Foot Lifter Solenoid Complete Set	抬押腳電磁閥組	1
2	M2402B	Solenoid Support (Lower)	電磁閥吊座 (下)	1
3	SV252	Screw (M5 - 0.8 × 10)	螺絲	4
4				
5	SV268	Screw (M6 - 1.0 × 12)	螺絲	2
6	WF06	Washer	墊片	2
7				
8	21-06	Rubber Cushion	橡膠墊	1
9	WF04	Washer	墊片	
10	NV14	Nut	螺帽	1
11	NV12	Nut	螺帽	3
12	MFZ100	Lifting Wheel Guide	橡膠螺絲	1
13	SF230	Screw (M5 - 0.8 × 12)	螺絲	2
14	23-05	Plastic Pushing Block	塑膠推塊	1
15	M2415	Bracket	固定板	1
16	M2416	Solenoid Support (Upper)	電磁閥吊座 (上)	1
17	MFB100	Screw (M4 - 0.7 × 10)	螺絲	2
18	N2401	Solenoid	電磁閥	1



ELECTRIC WIPER**電磁式上撥線機構**

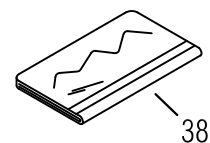
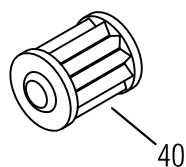
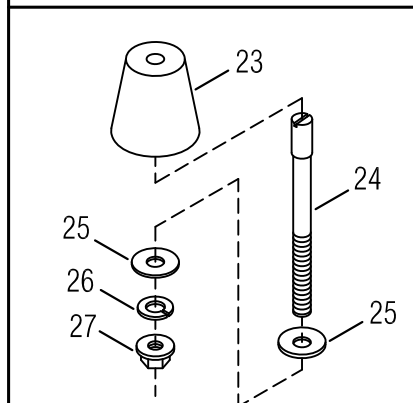
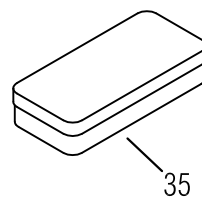
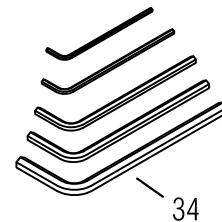
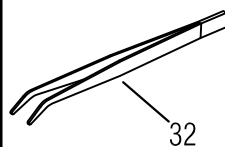
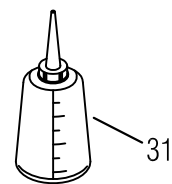
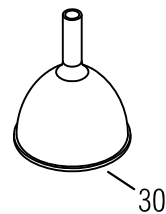
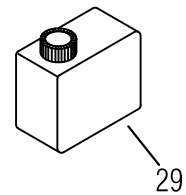
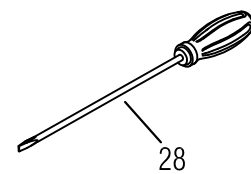
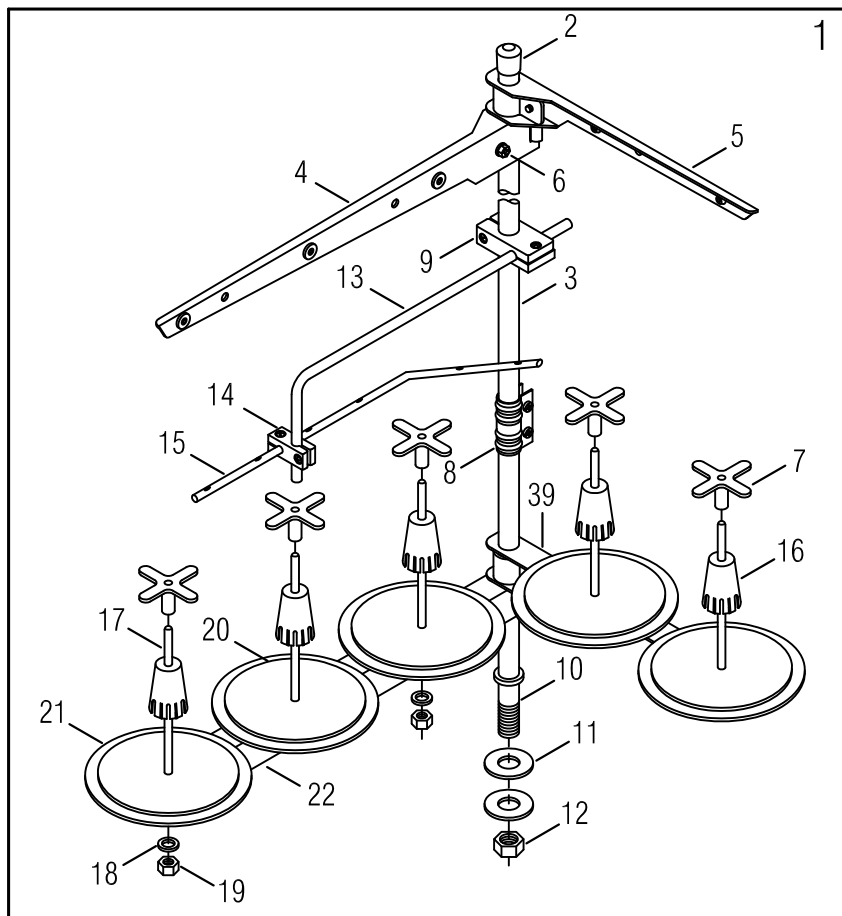
25

<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	20-01	Wiper Solenoid	撥線電磁閥	1
2	N2602	Solenoid Support	撥機機體座	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	N2607-1	Wiper Adjusting Arm	方向作動調整臂	2
8	20-08	Solenoid Lever Pin	轉動軸	2
9	20-09	Washer	墊片	2
10	16-28	Retaining Ring	扣環	2
11	20-111	Screw (M3-0.5×4.8)	螺絲	2
12	SF228	Screw (M4-0.7×4)	螺絲	2
13	37-05	Nut	螺帽	3
14	20-14	Screw (M3-0.5×12)	螺絲	1
15	20-15	Screw (M2-0.4×2)	螺絲	1
16	18-26	Screw (M3-0.5×4)	螺絲	1
17	N2617	Solenoid Support Link	連接支撐架	1
18	FA24	Washer	墊片	2
19	18-31	Screw (M4-0.7×8)	螺絲	2
20	20-20	Pin Screw	驅動臂插銷	1
21	37-13	Screw (M3-0.5×2.4)	螺絲	1
22	N2622	Spring	拉簧	1
23	SV112	Screw (SM9/64-40×4.5)	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	1M040	PVC Cover	PVC套管	1
33	21-20-2	Connector Cover	連接器套頭	1
34	19-43-3	Teminal	端子(公)	2

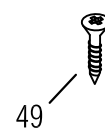
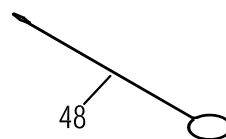
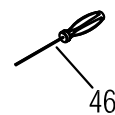
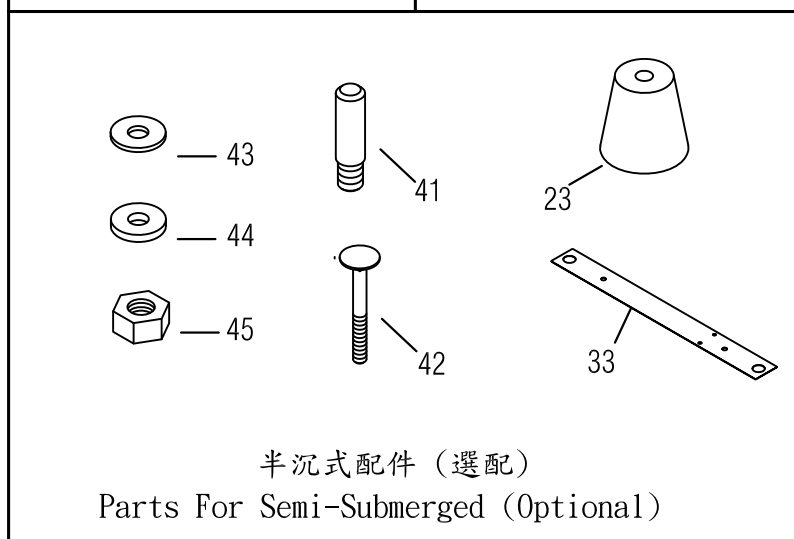


COMPACT—SIZE SERVO MOTOR & BUILT-IN SYNCHRONIZER**直驅馬達配件&內藏式定位線****26**

Ref.	Parts			Amt .
No.	No.	Description	產 品 名 稱	Req .
1	N1801	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	Q012	Control Box	999ES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



Setting On The Table

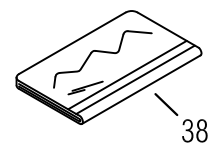
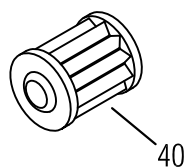
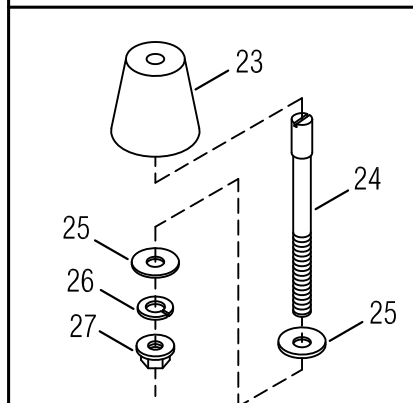
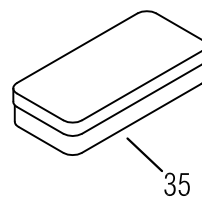
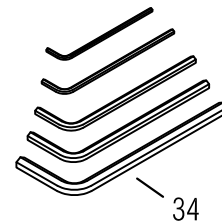
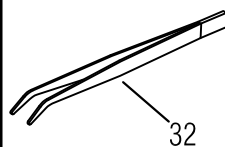
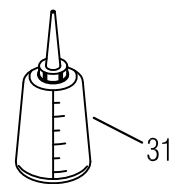
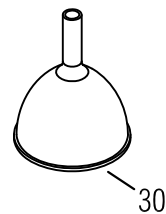
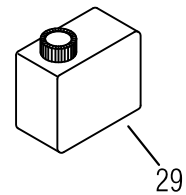
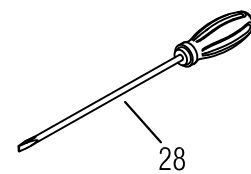
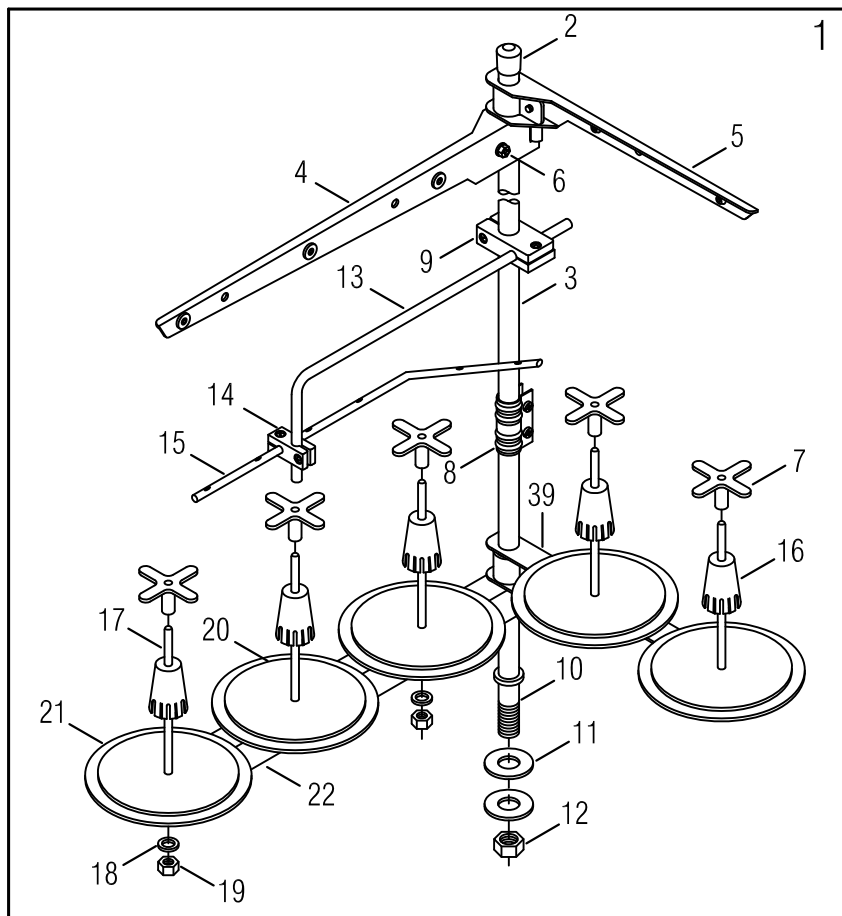


THREAD STAND & SUPPORTING BOARD**線架及機頭托架組**

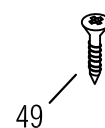
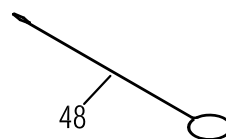
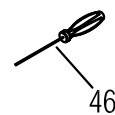
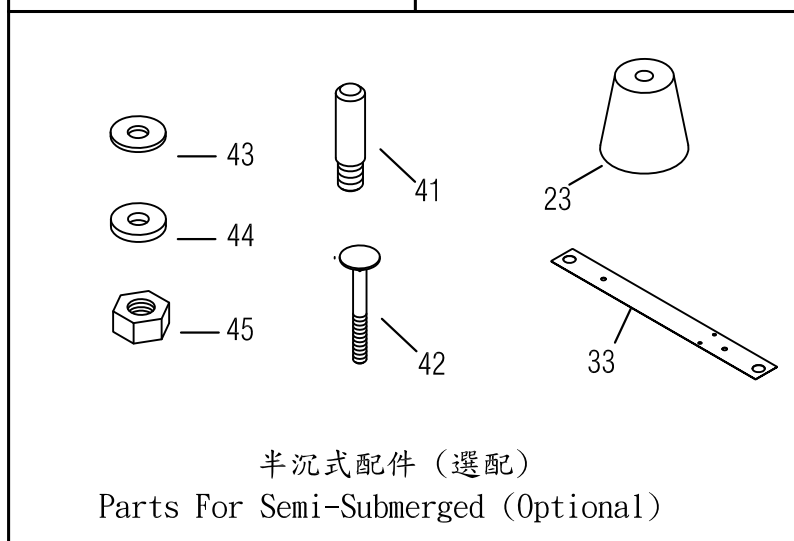
27

Ref.	Parts	Description	零 件 名 稱	Amt .
No.	No.			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	15-25	Spool Pin Bracket (3)	3孔線軸架	1
23	G1540	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	15-29	Supporting Boardb(Optional)	半沉式底座托架	2
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	3
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 52 See the following page



Setting On The Table



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

27

Ref.	Parts			Amt .
No.	No.	Description	零 件 名 稱	Req .
41	15-30-1	Setting Screw (Short)(Optional)	短底座固定螺絲	4
42	15-33	Hanging Bolt (Optional)	吊架螺栓	4
43	15-34	Washer(Optional)	墊片	8
44	15-35	Supporting Board Rubber Cushion (Optional)	底座支架橡膠避震墊片	8
45	15-36	Nut (Optional)	螺帽	8
46	Q010	Screw Driver(1.5mm)	六角起子(1.5mm)	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
50	VG35	Fabric Guide (Right)	布導器 (右)	1
51	VG36	Fabric Guide (Left)	布導器 (左)	1
52	SV102	Screw	螺絲	2

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

直驅小馬達桌板(with Direct-drive Servo Motor)

5000



Operator

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

