

金輪牌 GOLDEN WHEEL

Cylinder-Bed,1-Needle, Unisonfeed Lockstitch Machine
(Horizontal Bottom Feed)

CS-8703-V

Cylinder-Bed,1-Needle, Unisonfeed Lockstitch Machine
With Large-Capacity Hook(Horizontal Bottom Feed)

CS-8713-V

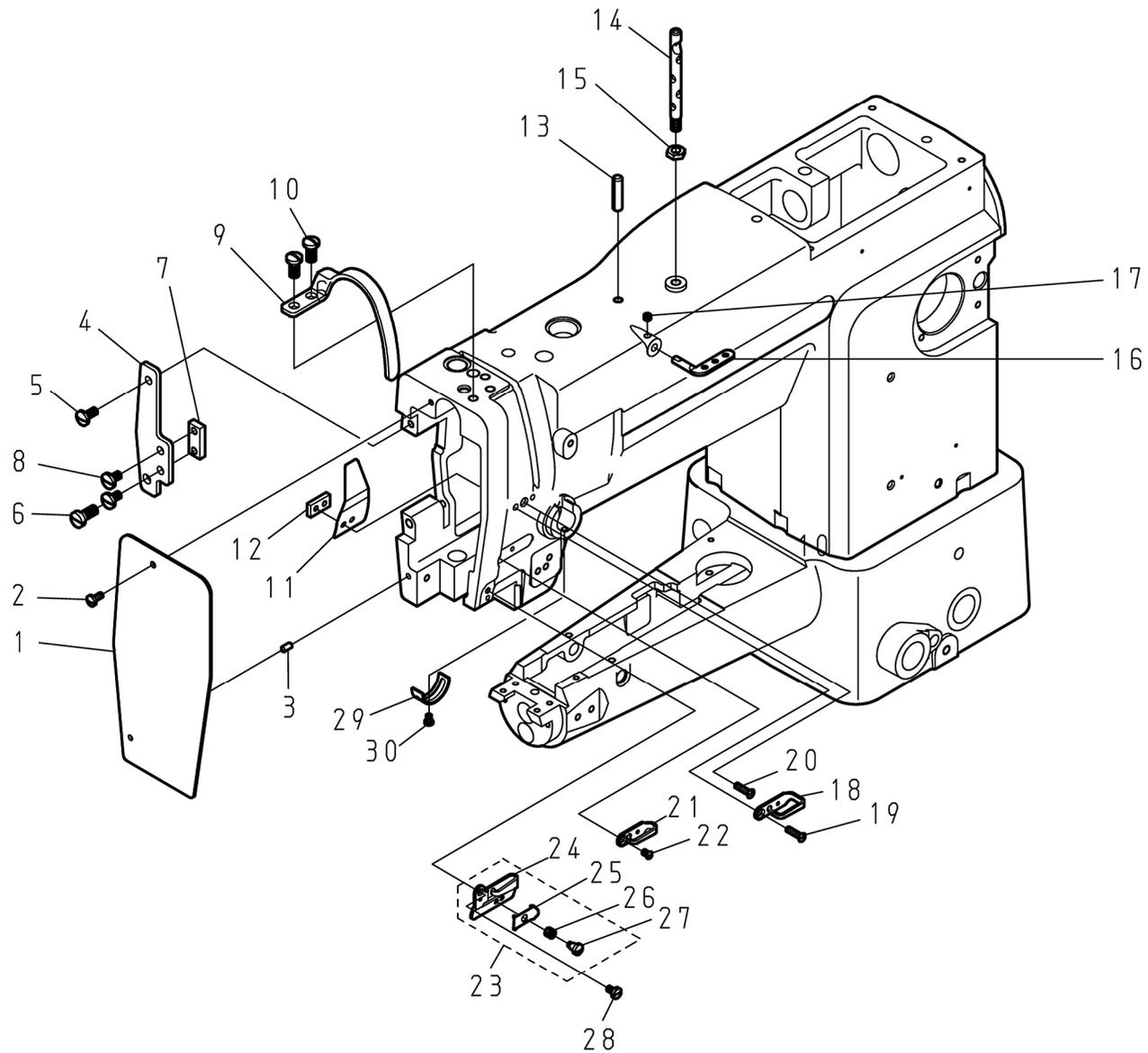
零件分解図 PARTS LIST

CHEE SIANG INDUSTRIAL CO.,LTD.

MODEL : CS-8703-V, CS-8713-V

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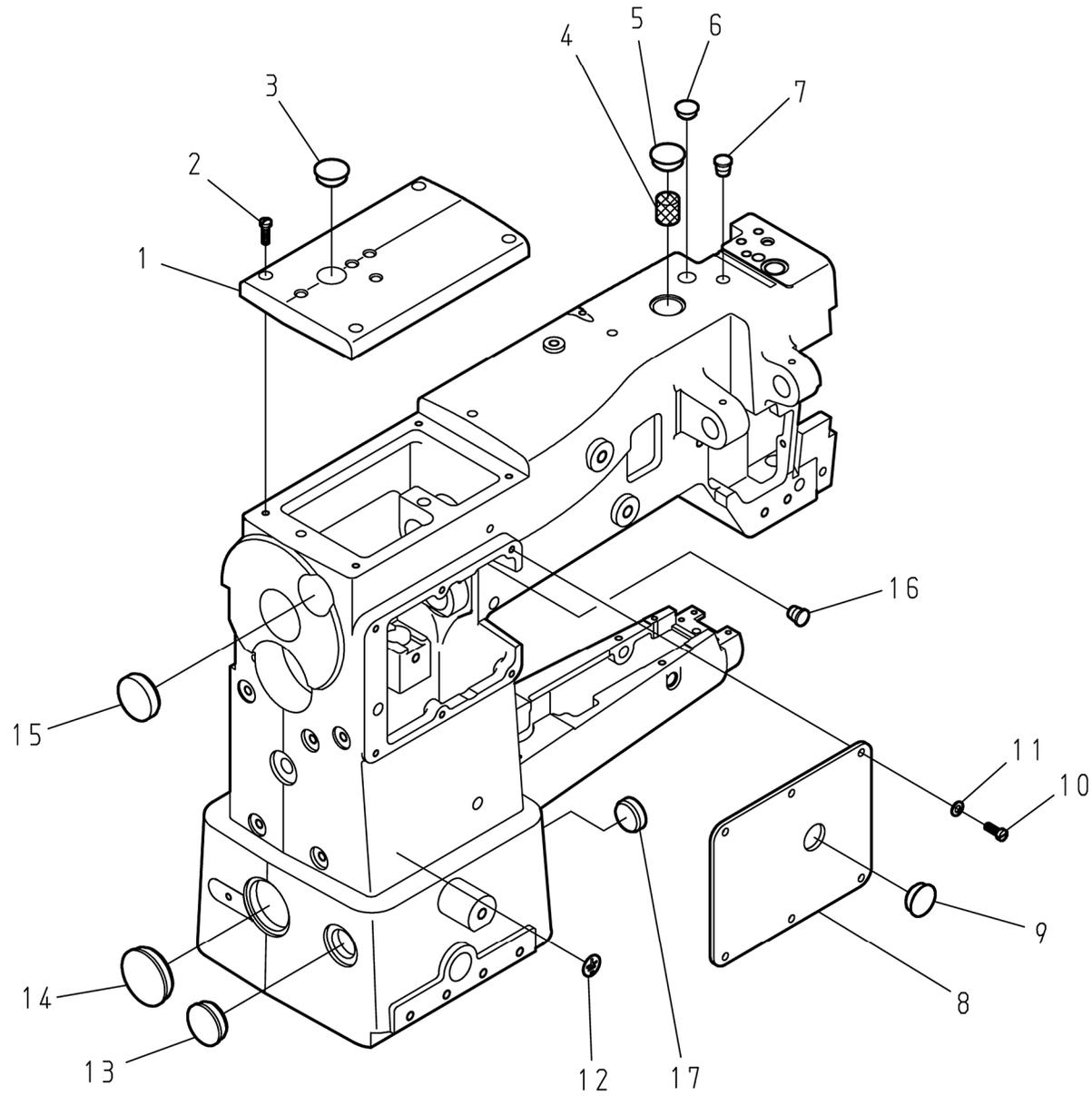
A. CS-8703-V、CS-8713-V 本體関係 (1/3) FRAME & MISCELLANEOUS
COVER COMPONENTS (1/3)



A. CS-8703-V、CS-8713-V 本體關係 (1/3) FRAME & MISCELLANEOUS COVER COMPONENTS (1/3)

REF.No	NOTE	零件號碼 Part No.	零件名稱 Name of Part	件數 QTY	備註 Remarks
1		8703111000	面板 Face Plate	1	1
2		ZSB09017	螺絲 Screw 9/64-40*8	1	1
3		YA035075	銷 Pin	1	1
4		8233110900	定位座 Vibrating Presser Bar Guide	1	1
5		ZSB12006	螺絲 Screw 3/16-28*10	1	1
6		ZSB15009	螺絲 Screw 15/64-28*13	1	1
7		8233143700	定位板 Bell Crank Guide	1	1
8		ZSB12030	螺絲 Screw 3/16-32*8	2	2
9		F1063-0A	天秤蓋 Thread Take-up Lever Cover	1	1
10		ZSB15010	螺絲 Screw 15/64-28*10	2	2
11		EJ1014-0A	油防板 Oil Guard Plate	1	1
12		EJ1017-0A	螺帽板 Spaser	1	1
13		YD060024	油導管 Oil Pipe	1	1
14		B1050-0A	線柱 Thread Guide	1	1
15		ZML06002	螺帽 Nut M6 × 1	1	1
16		A1051-0A	線掛 Thread Guide	1	1
17		ZSA11004	螺絲 Screw 11/64-40*3.5	1	1
18		C1052-0A	線掛(上) Thread Guide(Upper)	1	1
19		ZSC09021	螺絲 Screw 9/64-40*13	1	1
20		ZSC09021	螺絲 Screw 9/64-40*13	1	1
21		C1054-0A	線掛(中) Thread Guide(Center)	1	1
22		ZSC09009	螺絲 Screw 9/64-40*6.5	1	1
23		8370311605	線掛(套) Thread Guide Asm.	1	1
24		EJ1055-0A	線掛 Thread Guide	(1)	(1)
25		EJ1056-0A	壓線具 Guide Plate	(1)	(1)
26		EJ1057-0A	彈簧 Spring	(1)	(1)
27		ZSG08003	螺絲 Hinge Screw	(1)	(1)
28		ZSB09011	螺絲 Screw 9/64-40*6.5	1	1
29		J1041-0A	線軸彈簧調整器 Stopper	1	1
30		ZSB09005	螺絲 Screw 9/64-40*5	1	1

A. CS-8703-V、CS-8713-V 本體関係 (2/3) FRAME & MISCELLANEOUS
COVER COMPONENTS (2/3)

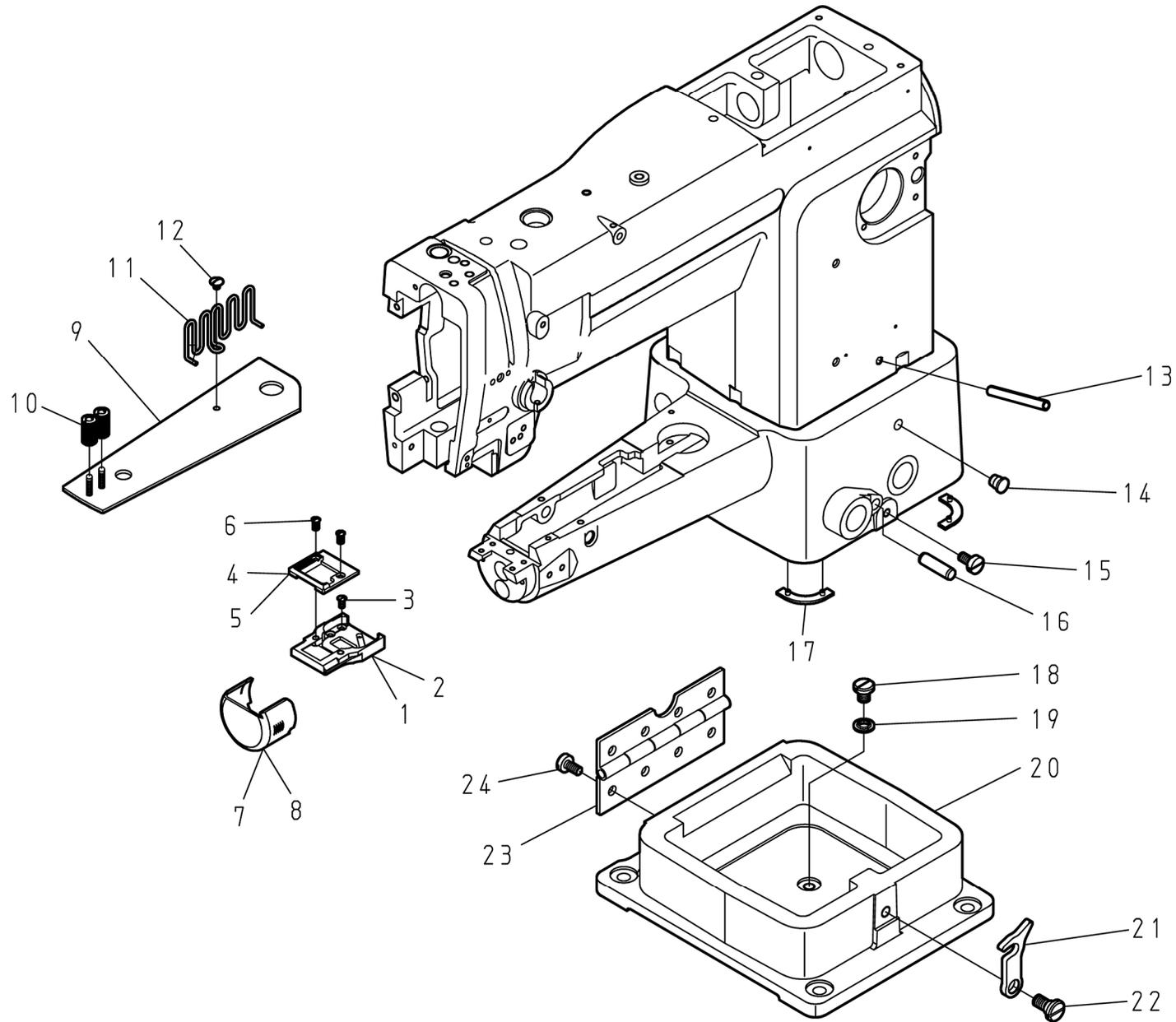


A. CS-8703-V、CS-8713-V 本體關係 (2/3) FRAME & MISCELLANEOUS COVER COMPONENTS (2/3)

REF.No	NOTE	零件號碼 Part No.	零件名稱	Name of Part	件數	QTY	備註
					8703-V	8713-V	Remarks
1		8703110505	上蓋(組)	Top Cover Asm.	1	1	
2		ZSB11017	螺絲	Screw 11/64-40*12	4	4	
3		A1013-0B	油蓋	Rubber Plug	1	1	
4		XB114001	油綿	Felt	1	1	
5		A1013-0B	油蓋	Rubber Plug	1	1	
6		A1013-1B	油蓋	Rubber Plug	1	1	
7		6120117400	油蓋	Rubber Plug	1	1	
8		8703168000	橫蓋	Arm Side Cover	1	1	
9		A1013-0B	油蓋	Rubber Plug	1	1	
10		ZSB11017	螺絲	Screw 11/64-40*12	6	6	
11		WA049003	平墊圈	Washer	6	6	
12		4710113000	印記	Grand Mark	1	1	
13		6120117300	油蓋	Rubber Plug	1	1	
14		6220117900	油蓋	Rubber Plug	1	1	
15		6120117000	油蓋	Rubber Plug	1	1	
16		6120117400	油蓋	Rubber Plug	1	1	
17		8710118400	油蓋	Rubber Plug	1	1	

A. CS-8703-V、CS-8713-V 本體関係 (3/3) FRAME & MISCELLANEOUS

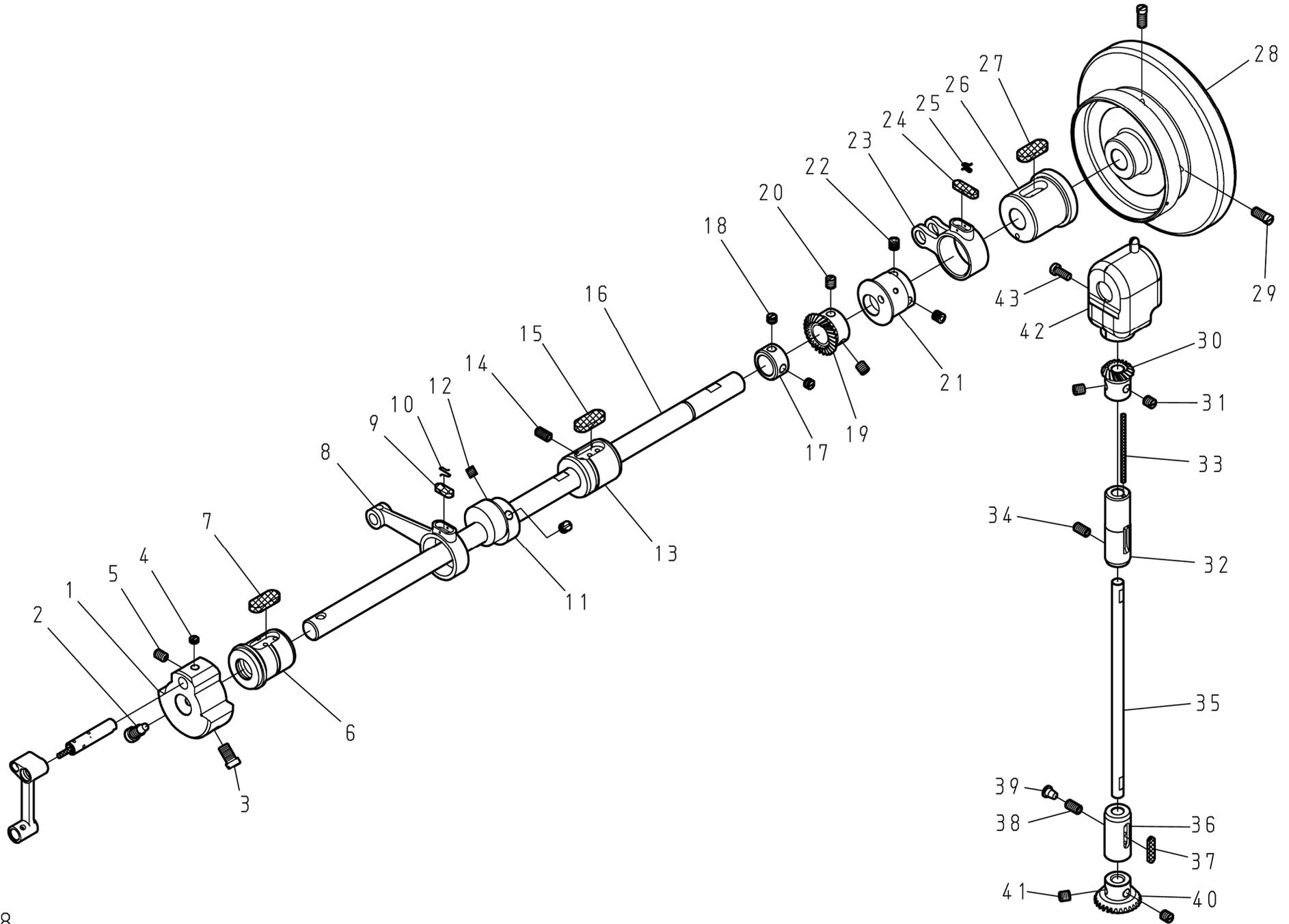
COVER COMPONENTS (3/3)



A. CS-8703-V、CS-8713-V 本體關係 (3/3) FRAME & MISCELLANEOUS COVER COMPONENTS (3/3)

REF.No	NOTE	零件號碼 Part No.	零件名稱 Name of Part	件數 QTY	備註 Remarks
1		8700110600	底座頭蓋 ----- Bed Cylinder Cap -----	1	0
2		87101106K0	底座頭蓋 ----- Bed Cylinder Cap -----	0	1
3		ZSC09012	螺絲 ----- Screw 9/64-40*7 -----	4	4
4		87001113V0	針板 ----- Throat Plate -----	1	0
5		87101113V0	針板 ----- Throat Plate -----	0	1
6		ZSC11017	螺絲 ----- Screw 11/64-40*8 -----	2	2
7		8700183600	梭頭蓋 ----- Hook Cover -----	1	0
8		6220183600	梭頭蓋 ----- Hook Cover -----	0	1
9		87101104V4	送料面板(組) --- Cover -----	1	1
10		ZMR04001	螺帽 ----- Nut M4 x 0.7 -----	2	2
11		L6061-0A	皮條架 ----- Stripe Guide -----	1	1
12		ZMB04018	螺絲 ----- Screw M4 x 0.7*5 -----	1	1
13		YD060056	油導管 ----- Oil Pipe -----	1	1
14		6120117400	油蓋 ----- Rubber Plug -----	1	1
15		ZSB15034	螺絲 ----- Screw 15/64-28*12 -----	1	1
16		YA080280	銷 ----- Stopper Pin -----	1	1
17		6220119100	防振橡膠 ----- Vibration Preventing Rubber -----	2	2
18		ZSB20014	螺絲 ----- Screw 5/16-28*9.3 -----	1	1
19		EJ4109-0A	墊圈 ----- Spacer -----	1	1
20		8703110300	底座盤 ----- Machine Base -----	1	1
21		6220112700	底座銷勾 ----- Latch -----	1	1
22		ZSG20018	螺絲 ----- Hinge Screw -----	1	1
23		6220112800	後鈕 ----- Hinge -----	1	1
24		ZSB15034	螺絲 ----- Screw 15/64-28*12 -----	8	8

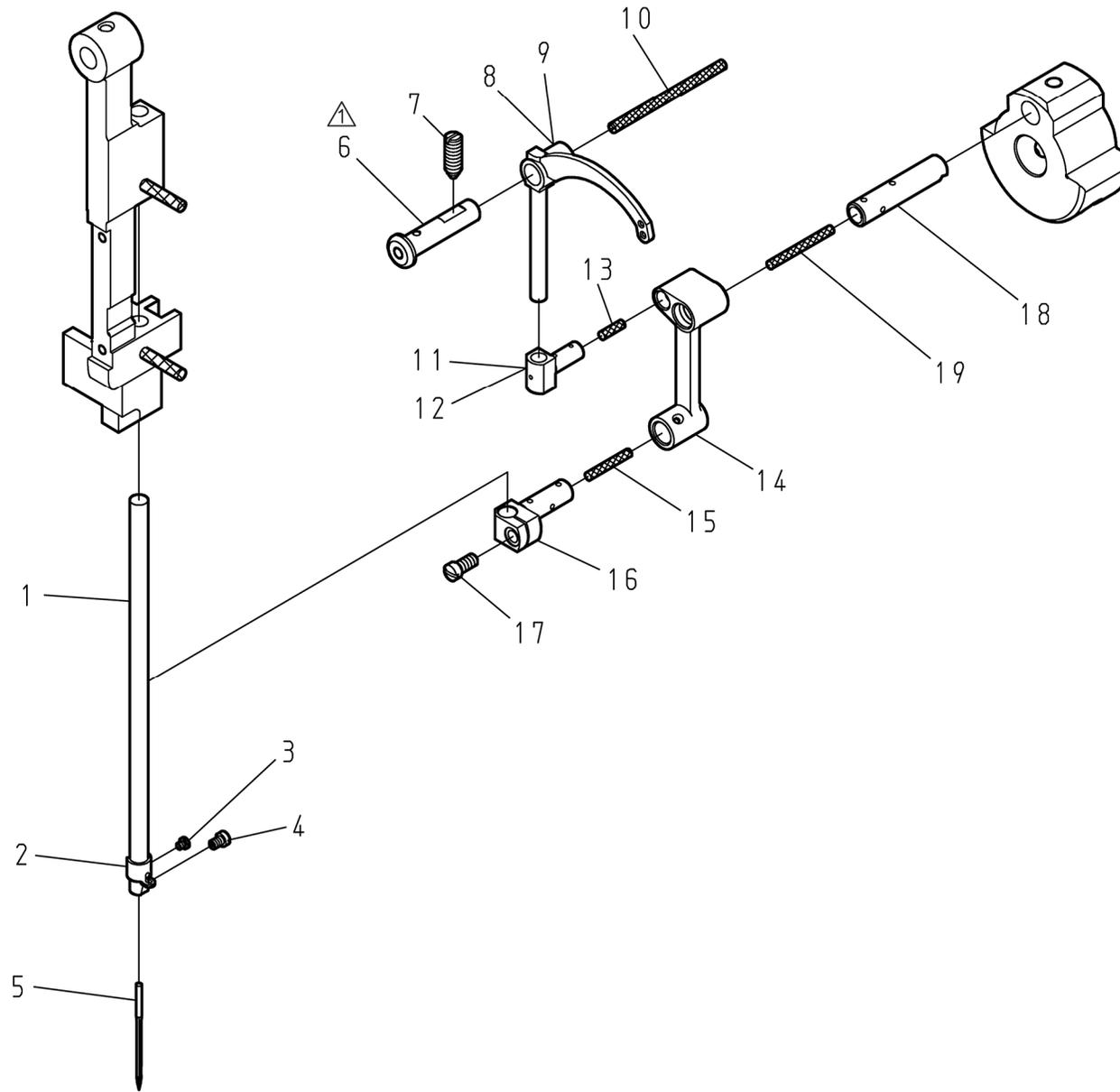
B. CS-8703-V、CS-8713-V 上軸・豎軸關係 MAIN SHAFT & UPRIGHT SHAFT COMPONENTS



B. CS-8703-V、CS-8713-V 上軸・豎軸關係 MAIN SHAFT & UPRIGHT SHAFT COMPONENTS

REF.No	NOTE	零件號碼 Part No.	零件名稱	Name of Part	件數	Q'TY	備註
					8703-V	8713-V	Remarks
1		8370120800	凸輪	Counterweight	1	1	
2		ZSB18001	螺絲	Screw 9/32-28*9.5	1	1	
3		ZSB18002	螺絲	Screw 9/32-28*13	1	1	
4		ZSA15019	螺絲	Screw 15/64-28*3	1	1	
5		ZSA15017	螺絲	Screw 15/64-28*8.5	1	1	
6		8110120200	上軸套管(前)	Main Shaft Bushing, Front	1	1	
7		XB210001	油綿	Felt	1	1	
8		8233144501	連桿	Connecting Rod	1	1	
9		XB207002	油綿	Felt	1	1	
10		A1130-0A	彈簧	Spring	1	1	
11		8233144400	偏心輪	Driving Cam	1	1	
12		ZSA16025	螺絲	Screw 1/4-40*6	2	2	
13		8110120301	上軸套管(中)	Main Shaft Bushing, Center	1	1	
14		ZSA15020	螺絲	Screw 15/64-28*11	1	1	
15		XB210001	油綿	Felt	1	1	
16		8703120100	上軸	Main Shaft	1	1	
17		E4044-0A	定環	Thrust Collar	1	1	
18		ZSA16010	螺絲	Screw 1/4-40*4.5	2	2	
19		A1108-0A	上傘齒車(大)	Bevel Gear, Large	1	1	
20		ZSA16011	螺絲	Screw 1/4-40*7	2	2	
21		6220122000	偏心輪	Feed Cam	1	1	
22		ZSH16001	螺絲	Screw 1/4-40*6	2	2	
23		5371167400	倒縫軸連結腕	Reverse Sewing Crank	1	1	
24		XB207001	油綿	Felt	1	1	
25		A1130-0A	彈簧	Spring	1	1	
26		8110120400	上軸套管(後)	Main Shaft Bushing, Rear	1	1	
27		XB210001	油綿	Felt	1	1	
28		6120122300	皮帶輪	Hand Wheel	1	1	
29		ZSB15026	螺絲	Screw 15/64-28*18	2	2	
30		A1109-0A	豎傘齒車(小)	Bevel Gear, Small	1	1	
31		ZSA16011	螺絲	Screw 1/4-40*7	2	2	
32		8110132100	豎軸套管	Upright Shaft Bushing	1	1	
33		XA300055	油線	Oil Wick	1	1	
34		ZSA15020	螺絲	Screw 15/64-28*11	1	1	
35		8110132000	豎軸	Upright Shaft	1	1	
36		A1113-0A	豎軸套管	Upright Shaft Bushing	1	1	
37		XB205001	油綿	Felt	1	1	
38		ZSA15020	螺絲	Screw 15/64-28*11	1	1	
39		6120117400	油蓋	Rubber Plug	1	1	
40		A4020-0A	豎傘齒車(大)	Bevel Gear, Large	1	1	
41		ZSA16011	螺絲	Screw 1/4-40*7	2	2	
42		8703351005	上齒輪蓋組	Gear Case Cover	1	1	
43		ZSB12008	螺絲	Screw 3/16-24*12	1	1	

C. CS-8703-V、CS-8713-V 針棒・天秤關係 NEEDLE BAR & THREAD TAKE-UP LEVER COMPONENTS

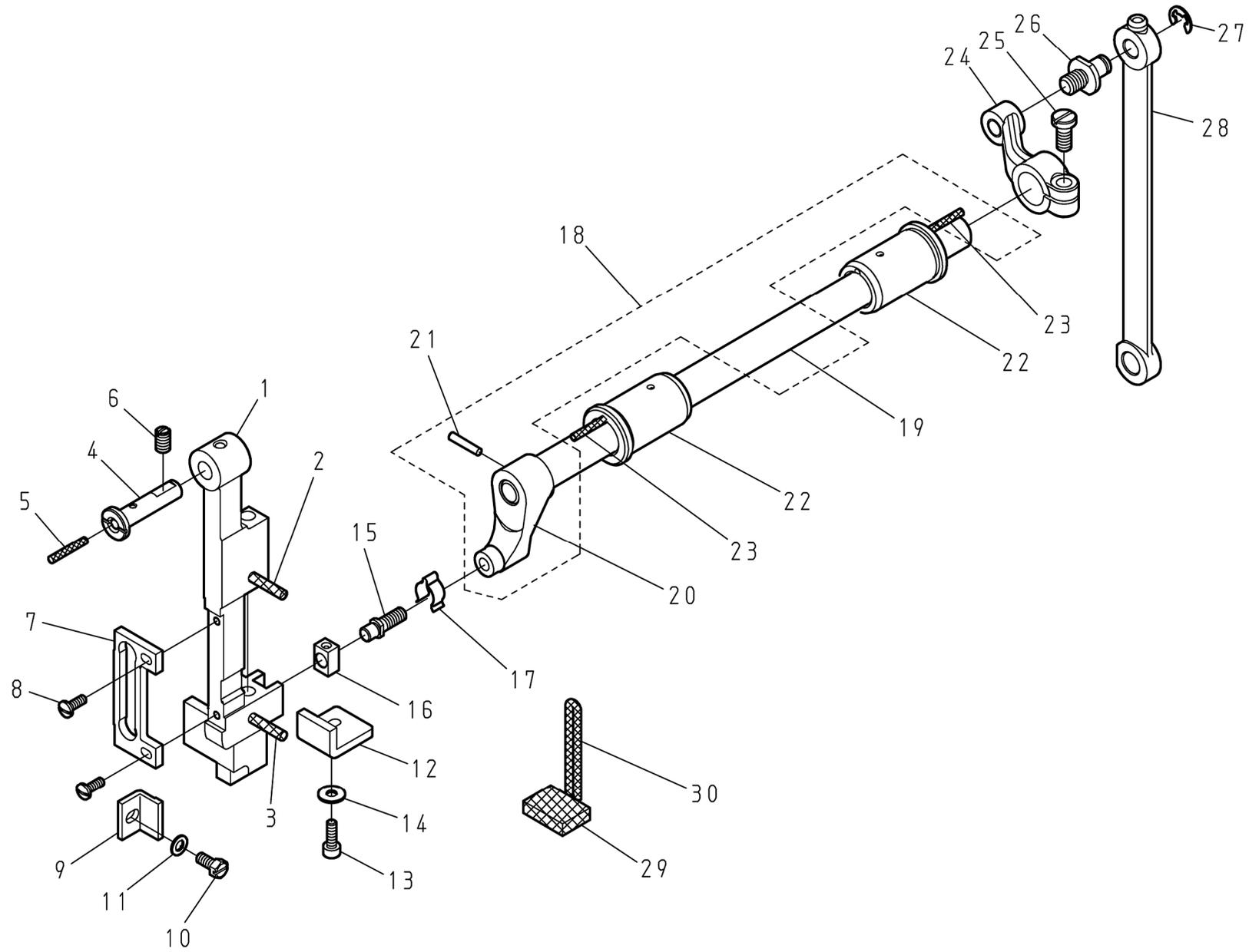


C. CS-8703-V、CS-8713-V 針棒·天秤關係 NEEDLE BAR & THREAD TAKE-UP LEVER COMPONENTS

REF.No	NOTE	零件號碼 Part No.	零件名稱 Name of Part	件數 QTY	備註 Remarks
1		Q1070-0A	針棒 ----- Needle Bar -----	1	1
2		8230140700	針棒線掛 ----- Needle Bar Thread Guide -----	1	1
3		ZSB06002	螺絲 ----- Screw 3/32-56*2.5 -----	1	1
4		ZSB08002	螺絲 ----- Screw 1/8-44*4.5 -----	1	1
5		INDP × 17-21	針 ----- Needle DP × 17-21 -----	1	1
6		8703106100	天秤固定銷 ----- Thread Take-up Lever Pin -----	1	1
7		ZSA15012	螺絲 ----- Screw 15/64-28*17 -----	1	1
8		8700190100	天秤 ----- Thread Take-up Lever -----	1	0
	Đổi mã 8713190101 →	9 8710190100	天秤 ----- Thread Take-up Lever -----	0	1
10		XA200250	油線 ----- Oil Wick -----	1	1
11		C1062-1A	天秤滑塊 ----- Thread Take-up Slide Brock -----	1	0
12		B1062-0A	天秤滑塊 ----- Thread Take-up Slide Brock -----	0	1
13		XA300030	油線 ----- Oil Wick -----	1	1
14		B1080-0A	針棒連接桿 ----- Needle Bar Crank Rod -----	1	1
15		XA300020	油線 ----- Oil Wick -----	1	1
16		B1074-0A	針棒鉗 ----- Needle Bar Connection -----	1	1
17		ZSB11003	螺絲 ----- Screw 11/64-40*9 -----	1	1
18		A1107-0A	針棒連接軸 ----- Needle Bar Crank Shaft -----	1	1
19		XA300065	油線 ----- Oil Wick -----	1	1

D. CS-8703-V、CS-8713-V 針棒搖擺關係 NEEDLE BAR ROCKING MOTION

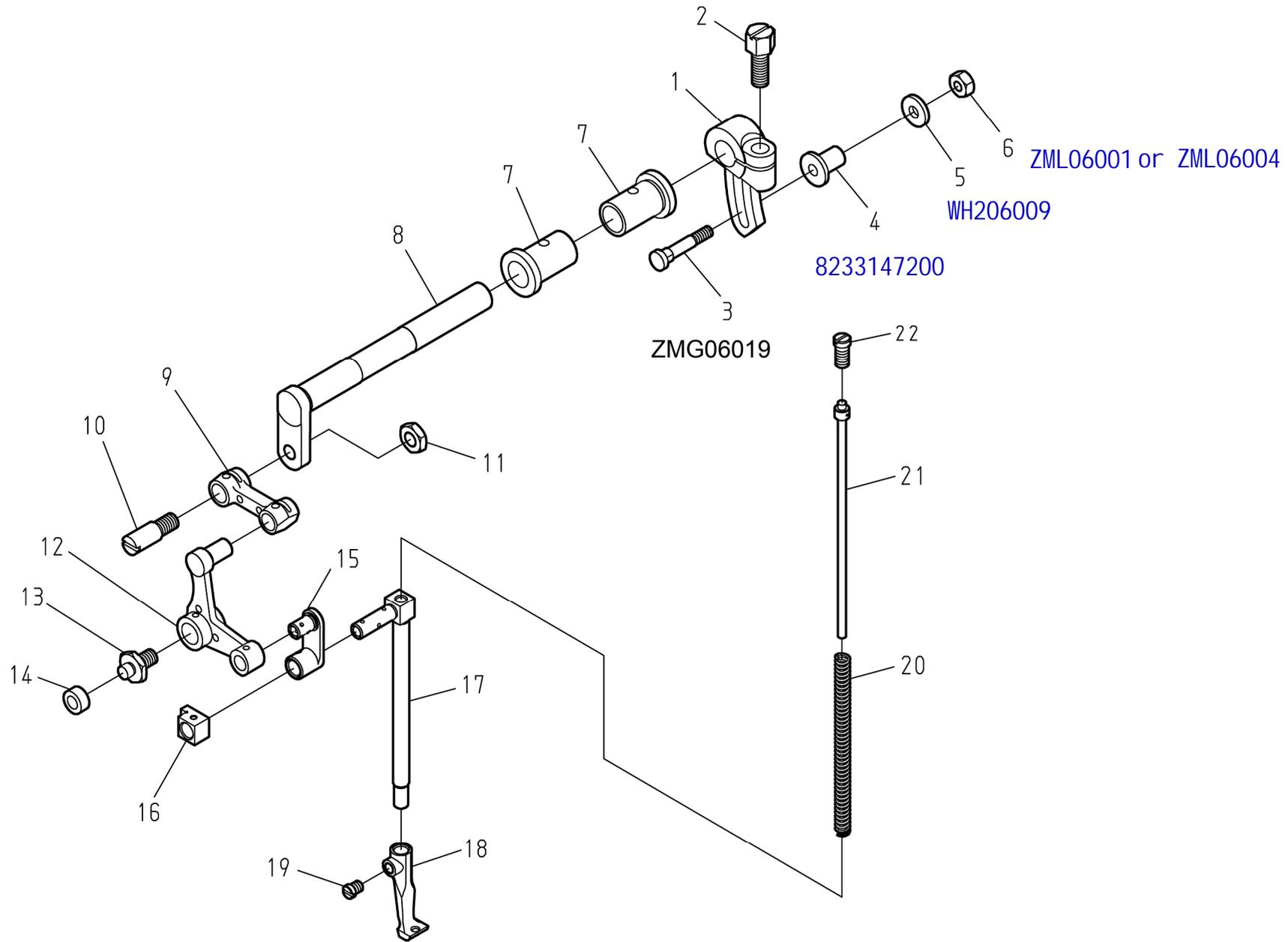
MECHANISM COMPONENTS



D. CS-8703-V, CS-8713-V 針棒搖擺關係 NEEDLE BAR ROCKING MOTION MECHANISM COMPONENTS

REF.No	NOTE	零件號碼 Part No.	零件名稱	Name of Part	件數	Q'TY	備註
					8703-V	8713-V	Remarks
1		8610270100	針柱台	Needle Bar Guide Bracket	1	1	
2		XA300080	油線	Oil Wick	1	1	
3		XA300040	油線	Oil Wick	1	1	
4		B1091-0A	針柱座固定軸	Needle Bar Guide Bracket Stud	1	1	
5		XA300020	油線	Oil Wick	1	1	
6		ZSA15023	螺絲	Screw 15/64-28*10	1	1	
7		B1285-0A	押腳舉升連桿案内	Vibrating Presser Bar Guide	1	1	
8		ZSB09002	螺絲	Screw 9/64-40*10	2	2	
9		EJ1092-0A	針柱座定位板	Needle Bar Guide	1	1	
10		ZSD11001	螺絲	Screw 11/64-40*10	1	1	
11		WA059002	平墊圈	Washer	1	1	
12		8110270401	針柱座定位板	Needle Bar Guide	1	1	
13		ZMJ04005	螺絲	Screw M4×0.7*12	1	1	
14		WA049005	平墊圈	Washer	1	1	
15		B1333-0A	角駒軸	Crank Pin	1	1	
16		B1334-0A	角駒	Square Block	1	1	
17		F1375-0A	油線支持片	Wick Supporter	1	1	
18		8110270814	擺動臂軸結合	Needle Bar Vibrating Shaft Ams.	1	1	
19		8110270801	擺動臂軸	Needle Bar Vibrating Shaft	(1)	(1)	
20		8610270900	擺動臂	Needle Bar Vibrating Crank (Left)	(1)	(1)	
21		YB030020	推拔銷	Taper Pin φ3*20*1/50	(1)	(1)	
22		8110272801	擺動臂軸 套管	Needle Bar Vibrating Shaft Bushing	2	2	
23		XA300040	油線	Oil Wick	2	2	
24		8710271000	擺動臂	Needle Bar Vibrating Crank (Right)	1	1	
25		ZSB15009	螺絲	Screw 15/64-28*13	1	1	
26		Q4436-1A	螺絲	Hinge Screw	1	1	
27		RE000060	E扣環 6	Retaining Rings- E Type 6	1	1	
28		8610271100	連接桿	Connecting Rod	1	1	
29		XB316001	油綿	Felt	1	1	
30		XA300125	油線	Oil Wick	1	1	

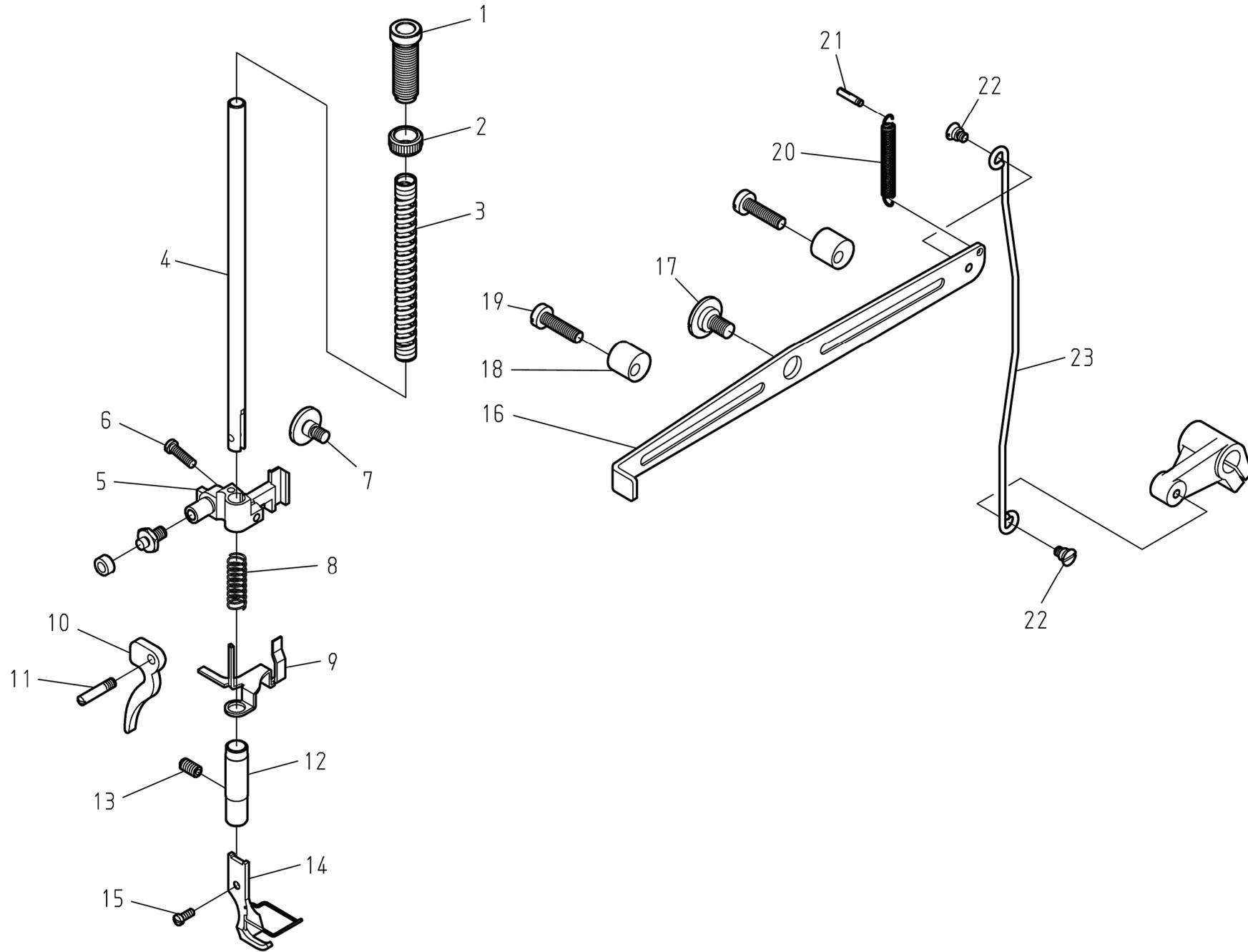
E. CS-8703-V、CS-8713-V 上部送料関係 UPPER FEED MECHANISM COMPONENTS



E. CS-8703-V、CS-8713-V 上部送料關係 UPPER FEED MECHANISM COMPONENTS

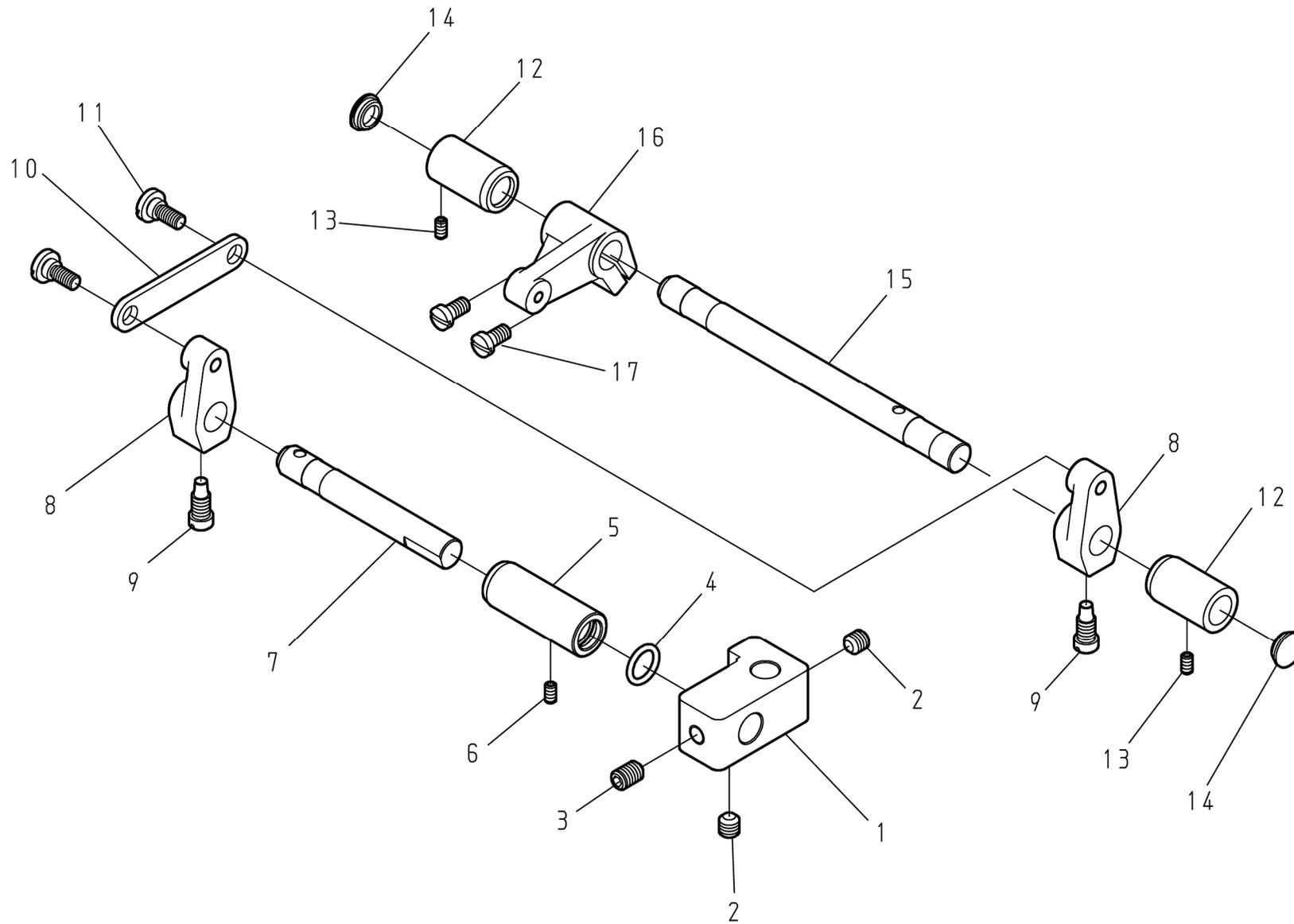
REF.No	NOTE	零件號碼 Part No.	零件名稱 Name of Part	件數 Q'TY	備註 Remarks
1		8233144701	上送軸曲柄 --- Feed Rotating Shaft Crank ---	1	1
2		ZSD16007	螺絲 --- Screw 1/4-28*16.5 ---	1	1
3		8233147100	螺絲 --- Screw ---	1	1
4		8233147200	連接座 --- Bearing Stud ---	1	1
5		WA050002	平墊圈 --- Washer ---	1	1
6		ZSL11003	螺帽 --- Nut 11/64-40 ---	1	1
7		B1291-0A	上送軸套管 --- Feed Rotating Shaft Bushing ---	2	2
8		8233144801	上送軸 --- Feed Rocker Shaft ---	1	1
9		8233145101	舉升曲柄連桿 --- Lifting Bell Crank Link ---	1	1
10		ZSK16002	螺絲 --- Hinge Screw ---	1	1
11		ZSL16001	螺帽 --- Nut 1/4-32 ---	1	1
12		8233143601	舉升曲臂連桿 --- Lifting Bell Crank ---	1	1
13		8233152000	固定銷 --- Pin ---	1	1
14		8233151900	導塊 --- Bell Crank Guide Bracket ---	1	1
15		B1283-0A	押腳舉升連桿 --- Vibrating Presser Bar Link ---	1	1
16		B1284-0A	滑塊 --- Slide Brock ---	1	1
17		8703141700	中腳押棒 --- Vibrating Presser Bar ---	1	1
18		87101510V0	內壓腳 --- Walking Foot ---	1	1
19		ZSB11009	螺絲 --- Screw 11/64-40*5 ---	1	1
20		8230144200	彈簧 --- Spring ---	1	1
21		B1280-0A	彈簧導桿 --- Vibrating Presser Spring Guide ---	1	1
22		ZSB20017	螺絲 --- Screw 5/16-28*10 ---	1	1

F. CS-8703-V、CS-8713-V 押脚・脚弓関係 (1/2) PRESSURE BAR & KNEE LIFTER
COMPONENTS (1/2)



F. CS-8703-V、CS-8713-V 押脚・脚弓関係 (1/2) PRESSURE BAR & KNEE LIFTER COMPONENTS(1/2)

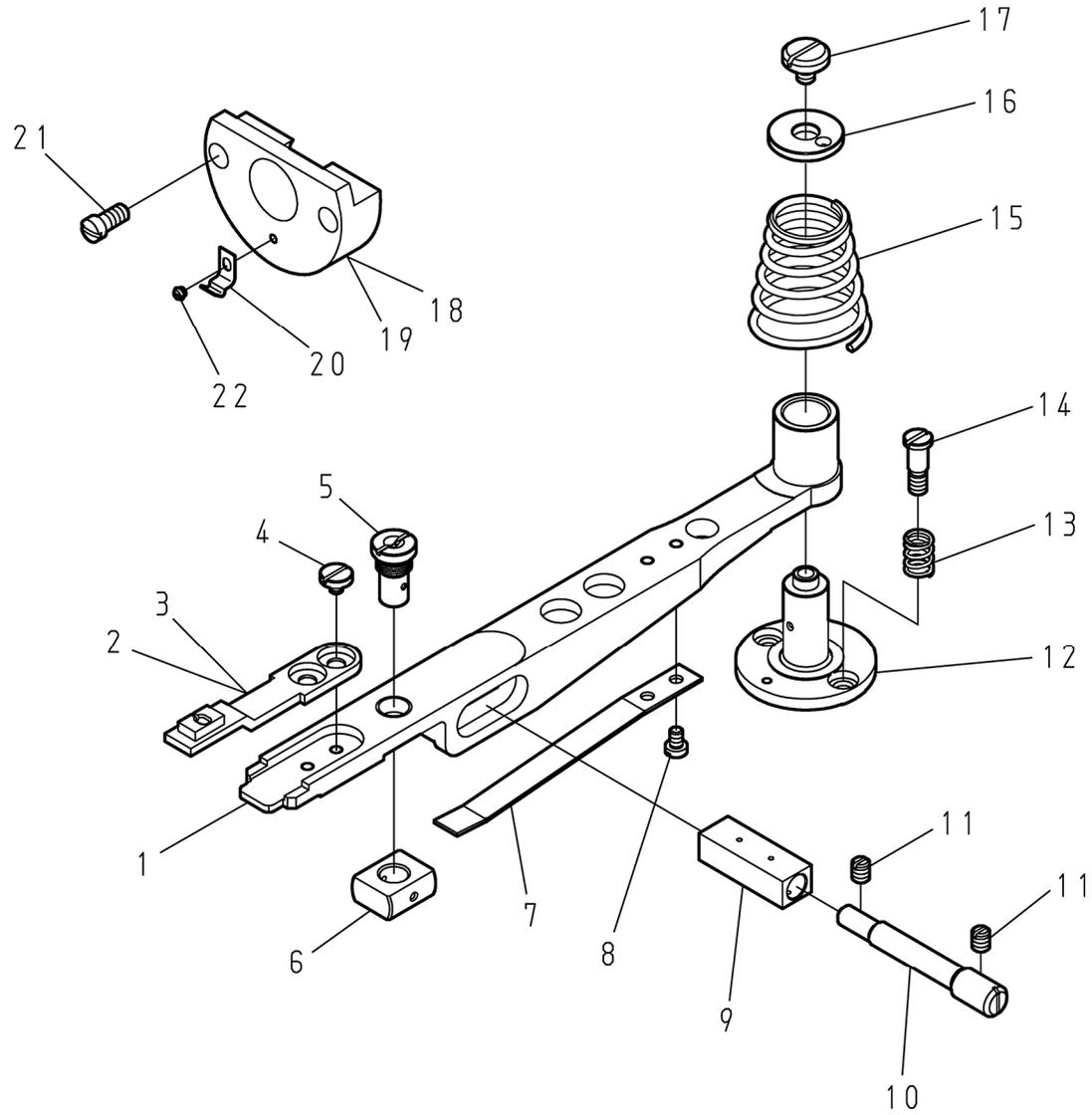
NOTE	零件號碼 Part No.	零件名稱	Name of Part	件數 8703-V 8713-V	QTY	備註 Remarks
1	ZSF32001	螺絲	Screw	1	1	
2	ZSN32001	螺帽	Nut	1	1	
3	8230150401	壓縮彈簧	Presser Spring	1	1	
4	EJ1180-0A	押棒	Presser Bar	1	1	
5	8233150500	押棒堤昇器	Presser Bar Lifter	1	1	
6	ZSB11083	螺絲	Screw 11/64-40*18	1	1	
7	ZSG16006	螺絲	Hinge Screw	1	1	
8	B1274-0A	彈簧	Spring	1	1	
9	8233344000	鬆線導板	Tension Release Slide	1	1	
10	EJ1200-0A	押脚堤桿	Presser Foot Lifter	1	1	
11	ZSK12026	螺絲	Hinge Screw	1	1	
12	8233150200	押棒套管	Bushing	1	1	
13	ZSA15020	螺絲	Screw 15/64-28*11	1	1	
14	87101530V4	外壓脚(組)	Presser Foot Asm.	1	1	
15	ZSB09003	螺絲	Screw 9/64-40*9	1	1	
16	8233343000	押脚抬高桿	Foot Lifter Lifting Lever	1	1	
17	ZSG20004	螺絲	Hinge Screw	1	1	
18	8370341100	固定銷	Stopper	2	2	
19	ZSB16011	螺絲	Screw 1/4-24*25	2	2	
20	8230340200	彈簧	Spring	1	1	
21	EJ4434-2A	彈簧鈎	Spring Suspension	1	1	
22	ZSK12003	螺絲	Hinge Screw	2	2	
23	8703340400	連接棒	Knee Operating Connection Bar	1	1	



F. CS-8703-V、CS-8713-V 押脚・脚弓関係 (2/2) PRESSURE BAR & KNEE LIFTER COMPONENTS (2/2)

REF.No	NOTE	零件號碼	零件名稱	Name of Part	件數	Q'TY	備註
		Part No.			8703-V	8713-V	Remarks
1		6220342000	連接器	Knee Lifter Crank	1	1	
2		ZMH08003	螺絲	Screw M8×1.25*8	2	2	
3		ZMH08002	螺絲	Screw M8×1.25*12	1	1	
4		OPP01250	O形環 12.5	O-rings φ12.5	1	1	
5		6220344200	套管	Bushing	1	1	
6		ZSA11007	螺絲	Screw 11/64-40*7	1	1	
7		6220342200	軸	Shaft	1	1	
8		8703341600	連接器	Knee Lifter Crank	2	2	
9		ZSB18001	螺絲	Screw 9/32-28*9.5	2	2	
10		8703343400	連接桿	Knee Lifter Link	1	1	
11		ZSG15040	螺絲	Hinge Screw	2	2	
12		8703343800	套管	Bushing	2	2	
13		ZSA11007	螺絲	Screw 11/64-40*7	2	2	
14		6220118100	油蓋	Rubber Plug	2	2	
15		6220341700	脚押直桿	Knee lifter shaft	1	1	
16		8703342900	連接器	Knee Lifter Crank (Rear)	1	1	
17		ZSJ15002	螺絲	Screw 15/64-28*14	2	2	

G. CS-8703-V、CS-8713-V 下部送料関係 (1/2) LOWER FEED MECHANISM COMPONENTS (1/2)

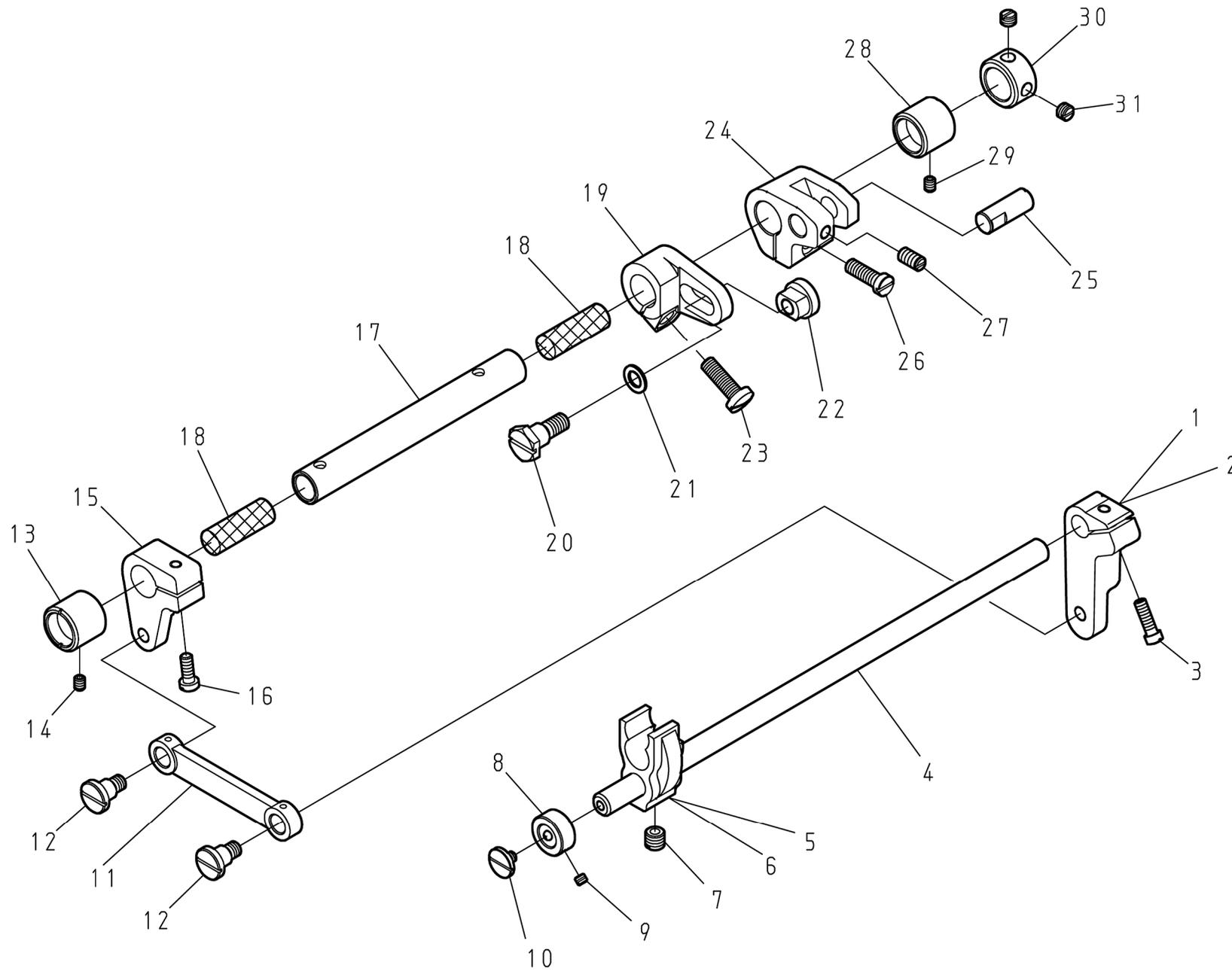


G. CS-8703-V、CS-8713-V 下部送料關係(1/2) LOWER FEED MECHANISM COMPONENTS(1/2)

REF.No	NOTE	零件號碼 Part No.	零件名稱 Name of Part	件數 QTY	備註 Remarks
1		87101601V0	送料台 --- Feed Bar	1	1
2		87001614W0	送料齒 --- Feed dog	1	0
3		87101614W0	送料齒 --- Feed dog	0	1
4		ZSB08041	螺絲 --- Screw 1/8-44*4	2	2
5		87101633V0	螺絲 --- Feed bar Slide Screw Stud	1	1
6		87101697V0	滑駒 --- Feed bar Slide Block A	1	1
7		6220169800	彈簧 --- Spring	1	1
8		ZSB08010	螺絲 --- Screw 1/8-44*4.6	2	2
9		6220169500	滑塊 --- Block	1	1
10		6220164400	送料台軸 --- Eccentric Shaft	1	1
11		ZSA11012	螺絲 --- Screw 11/64-40*4.6	2	2
12		87101694V0	送料齒座軸心 --- Feed bar Stud	1	1
13		L6063-2A	彈簧 --- Spring	2	2
14		ZSG11028	螺絲 --- Hinge Screw	2	2
15		87101699V0	彈簧 --- Spring	1	1
16		L6060-0A	墊圈 --- Washer	1	1
17		ZSB11039	螺絲 --- Screw 11/64-40*5.5	1	1
18		87001713V0	梭頭蓋座 --- Hook Cover Base	1	0
19		87101713V0	梭頭蓋座 --- Hook Cover Base	0	1
20		6220183700	梭頭蓋彈簧 --- Hook Cover Spring	1	1
21		ZSB11051	螺絲 --- Screw 11/64-40*11.5	2	2
22		ZSB06010	螺絲 --- Screw 3/32-56*1.3	1	1

G. CS-8703-V、CS-8713-V 下部送料関係 (2/2) LOWER FEED MECHANISM

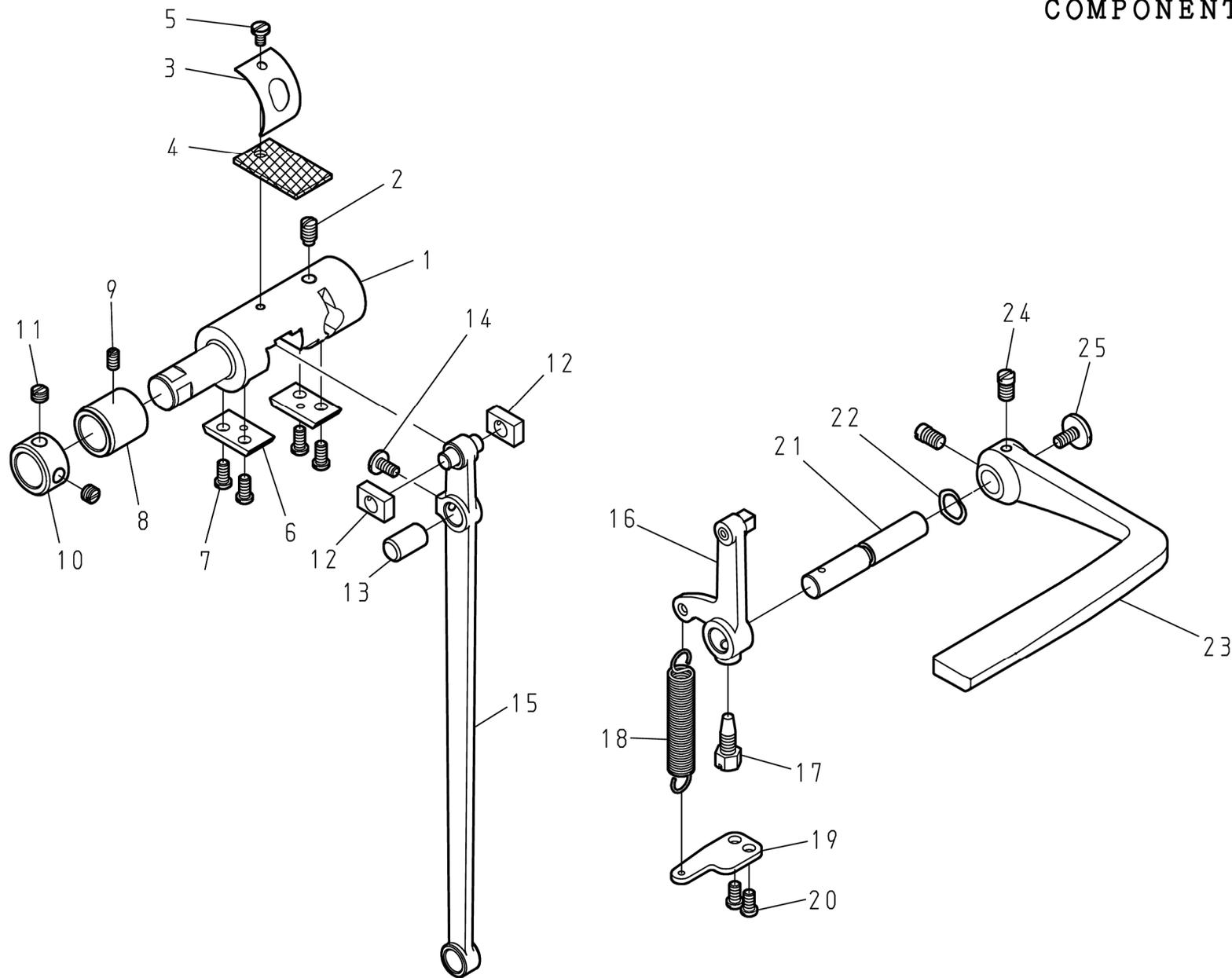
COMPONENTS (2/2)



G. CS-8703-V、CS-8713-V 下部送料關係(2/2) LOWER FEED MECHANISM COMPONENTS(2/2)

REF.No	NOTE	零件號碼 Part No.	零件名稱	Name of Part	件數 8703-V 8713-V	Q'TY	備註 Remarks
1		8700169200	連桿	Feed Lifting Rock Link	1	0	
2		6220169200	連桿	Feed Lifting Rock Link	0	1	
3		ZSB12009	螺絲	Screw 3/16-28*8	1	1	
4		8703160400	搖動軸	Feed Rocker Shaft	1	1	
5		8700160500	送料台連桿	Feed Bar Rod	1	0	
6		6220160500	送料台連桿	Feed Bar Rod	0	1	
7		ZSA20008	螺絲	Screw 5/16-24*7	1	1	
8		8360188200	定環	Thrust Collar	1	1	
9		ZSA11004	螺絲	Screw 11/64-40*3.5	2	2	
10		ZSB11069	螺絲	Screw 11/64-40*6	1	1	
11		6220165100	搖軸連桿	Rod	1	1	
12		ZSG16016	螺絲	Hinge Screw	2	2	
13		6220167900	套管	Bushing	1	1	
14		ZSA11005	螺絲	Screw 11/64-40*5.5	1	1	
15		6220169300	連桿	Feed Lifting Rock Link	1	1	
16		ZSB12006	螺絲	Screw 3/16-28*10	1	1	
17		8710167800	搖動軸	Feed Rocker Shaft	1	1	
18		XB111004	油綿	Felt	2	2	
19		8710160800	送料台柄	Feed Connection Crank	1	1	
20		ZSG18006	螺絲	Hinge Screw	1	1	
21		WA079003	平墊圈	Washer	1	1	
22		ZSR18002	特殊螺帽	Nut	1	1	
23		ZSB16005	螺絲	Screw 1/4-24*20	1	1	
24		6120160800	搖動曲軸	Feed Rocker Shaft Crank	1	1	
25		8610167600	連接叉桿銷	Horizontal Feed Rod Shaft	1	1	
26		ZSB15014	螺絲	Screw 15/64-28*18	1	1	
27		ZSA15020	螺絲	Screw 15/64-28*11	1	1	
28		6220167900	套管	Bushing	1	1	
29		ZSA11005	螺絲	Screw 11/64-40*5.5	1	1	
30		E4044-0A	定環	Thrust Collar	1	1	
31		ZSA16010	螺絲	Screw 1/4-40*4.5	2	2	

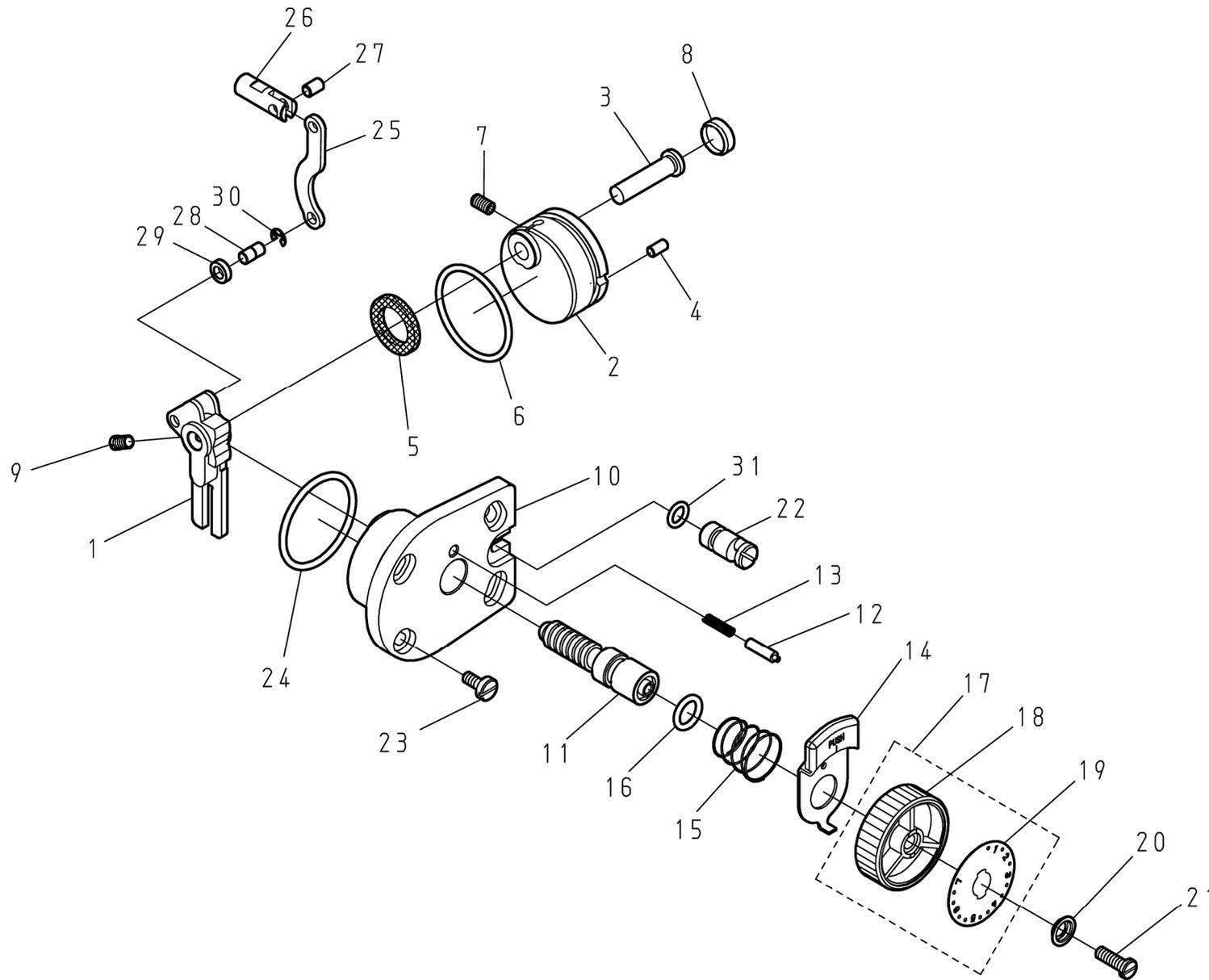
H. CS-8703-V、CS-8713-V 縫目調節關係 (1/2) FEED ADJUSTMENT MECHANISM COMPONENTS (1/2)



H. CS-8703-V、CS-8713-V 縫目調節關係 (1/2) FEED ADJUSTMENT MECHANISM COMPONENTS (1/2)

REF.No	NOTE	零件號碼 Part No.	零件名稱	Name of Part	件數	Q'TY	備註 Remarks
1		6120167000	倒退固定軸	Reverse Block	1	1	
2		ZSA15037	螺絲	Screw 15/64-28*10.5	1	1	
3		5371353500	固定板	Plate	1	1	
4		XB320003	油綿	Felt	1	1	
5		ZSB09011	螺絲	Screw 9/64-40*6.5	1	1	
6		EJ4153-0A	滑塊固定板	Guide Plate	2	2	
7		ZSB11018	螺絲	Screw 11/64-40*9	4	4	
8		6120160600	套管	Bushing	1	1	
9		ZSA11007	螺絲	Screw 11/64-40*7	1	1	
10		6120167200	定環	Thrust Collar	1	1	
11		ZSA16010	螺絲	Screw 1/4-40*4.5	2	2	
12		EJ4152-0A	滑駒	Square Block	2	2	
13		6120167500	倒縫軸連結鎖	Pin	1	1	
14		ZSB11007	螺絲	Screw 11/64-40*7	1	1	
15		6120160904	連接又桿(結合)	Horizontal Feed Rod Com.	1	1	
16		A1162-0A	倒縫曲柄(組)	Reverse Feed Crank Asm.	1	1	
17		ZSD15003	螺絲	Screw 15/64-28*16.5	1	1	
18		A1166-0A	彈簧	Spring	1	1	
19		8703166000	彈簧鈞	Spring Suspension	1	1	
20		ZSB11034	螺絲	Screw 11/64-40*8	2	2	
21		6120161800	倒縫軸	Lever Shaft	1	1	
22		WG000010	墊圈	Washer	1	1	
23		A1160-0A	倒針槓桿	Lever	1	1	
24		ZSB15019	螺絲	Screw 15/64-28*9	2	2	
25		ZSB12011	螺絲	Screw 3/16-28*10	1	1	

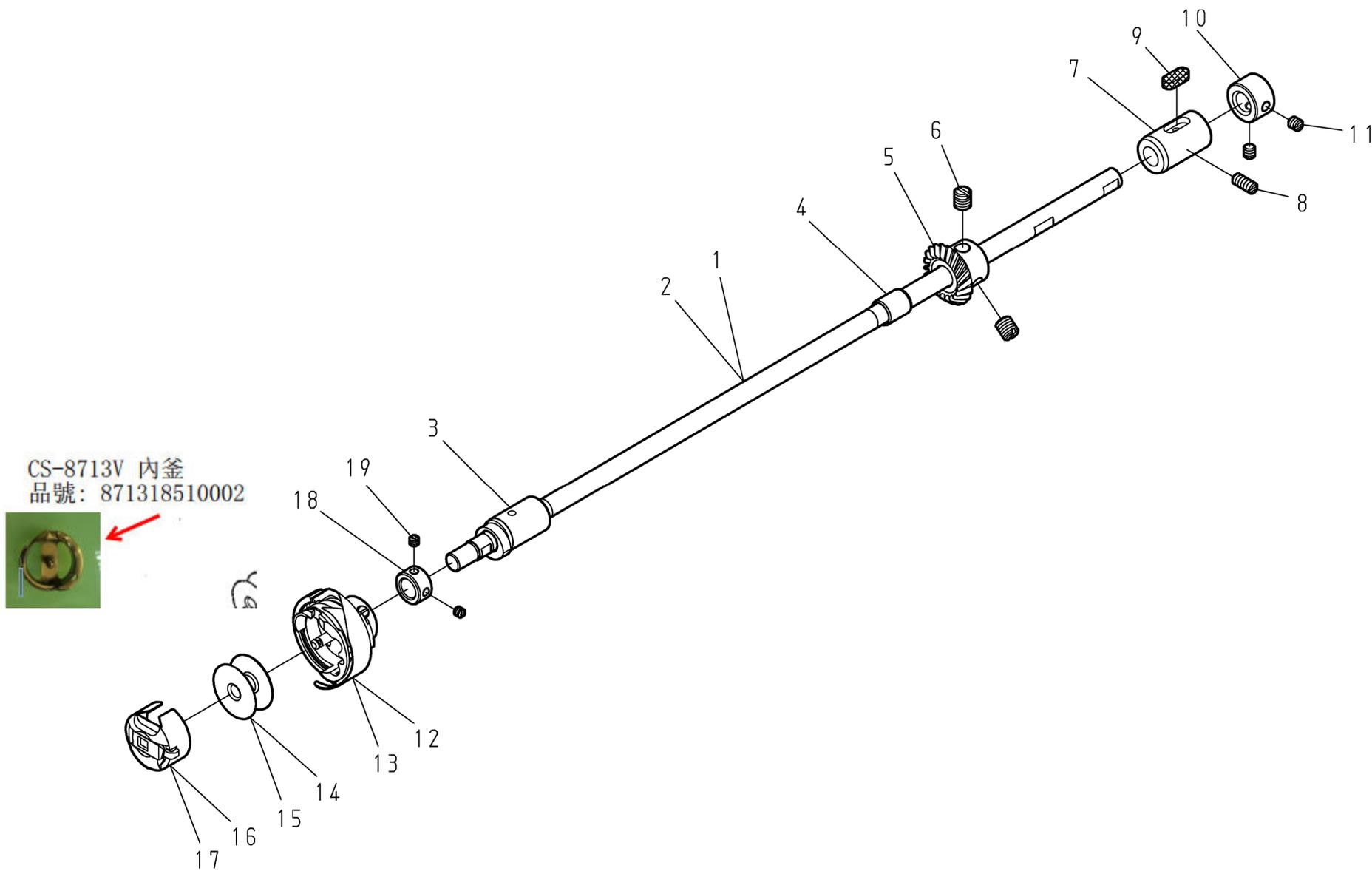
H. CS-8703-V、CS-8713-V 縫目調節關係 (2/2) FEED ADJUSTMENT MECHANISM
COMPONENTS (2/2)



H. CS-8703-V、CS-8713-V 縫目調節關係 (2/2) FEED ADJUSTMENT MECHANISM COMPONENTS (2/2)

REF.No	NOTE	零件號碼 Part No.	零件名稱 Name of Part	件數 Q'TY	備註 Remarks
1		8610161100	送料調節桿 --- Feed Regulator	1	1
2		8610162200	套管 --- Bushing	1	1
3		6120161500	送料調節桿銷 --- Feed Regulator Shaft	1	1
4		YA050100	銷 --- Stopper Pin	1	1
5		XB120001	油綿 --- Felt	1	1
6		OPP04440	O形環 44.4 --- O-rings ϕ 44.4	1	1
7		ZSA15020	螺絲 --- Screw 15/64-28*11	1	1
8		8610118200	油蓋 --- Rubber Plug	1	1
9		ZSB15006	螺絲 --- Screw 15/64-28*8.5	1	1
10		6120162200	送料調節桿座 --- Stitch Dial Base	1	1
11		6120164300	方牙棒 --- Feed Regulating Screw	1	1
12		E1171-2A	定位銷 --- Pin	1	1
13		E1158-0A	彈簧 --- Spring	1	1
14		E1173-2A	操作板 --- Stopper Pin Releasing Lever	1	1
15		E1174-2A	彈簧 --- Spring	1	1
16		OP00100A	O形環 10A --- O-rings ϕ 10	1	1
17		8710164005	刻度盤(組) --- Dial Asm.	1	1
18		E1172-2A	刻度盤 --- Dial	(1)	(1)
19		8710164100	刻度板 --- Dial plate	(1)	(1)
20		C1174-0A	墊圈 --- Washer	1	1
21		ZSB12017	螺絲 --- Screw 3/16-28*15	1	1
22		6120164400	偏心銷 --- Eccentric Pin	1	1
23		ZSB11026	螺絲 --- Screw 11/64-40*10	4	4
24		OPP03550	O形環 35.5 --- O-rings ϕ 35.5	1	1
25		8703168200	送料連桿 --- Feed Connecting Link	1	1
26		6120168300	固定銷 --- Set Pin	1	1
27		6120168400	銷 --- Pin	1	1
28		6120168500	銷 --- Pin	1	1
29		WA060013	平墊圈 --- Washer	1	1
30		RE000040	E型扣環 --- E-Shaped Snap Rings (4mm)	1	1
31		OPP00680	O形環 7 --- O-rings ϕ 7	1	1

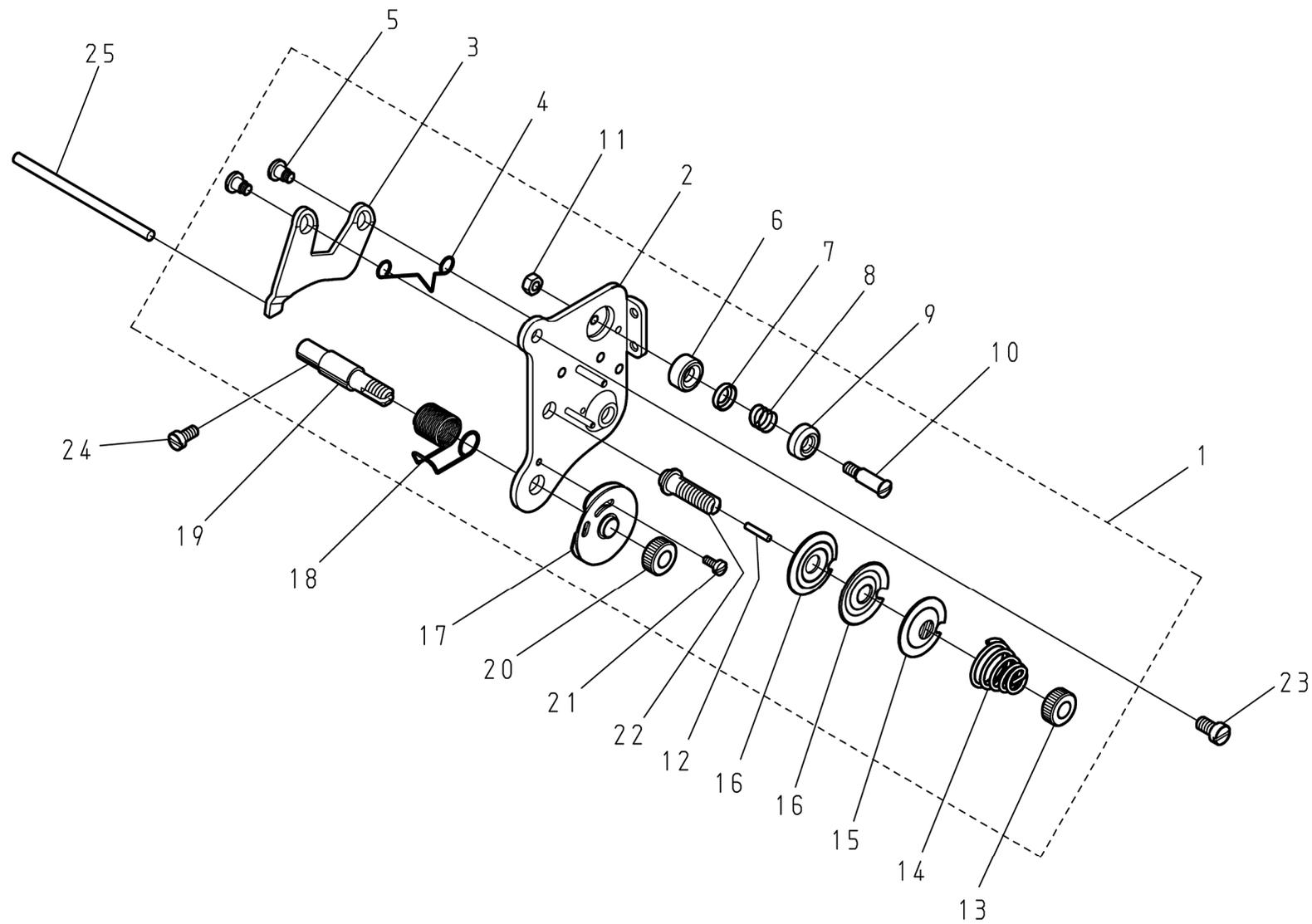
I. CS-8703-V、CS-8713-V 下軸關係 HOOK DRIVE SHAFT COMPONENTS



I. CS-8703-V、CS-8713-V 下軸關係 HOOK DRIVE SHAFT COMPONENTS

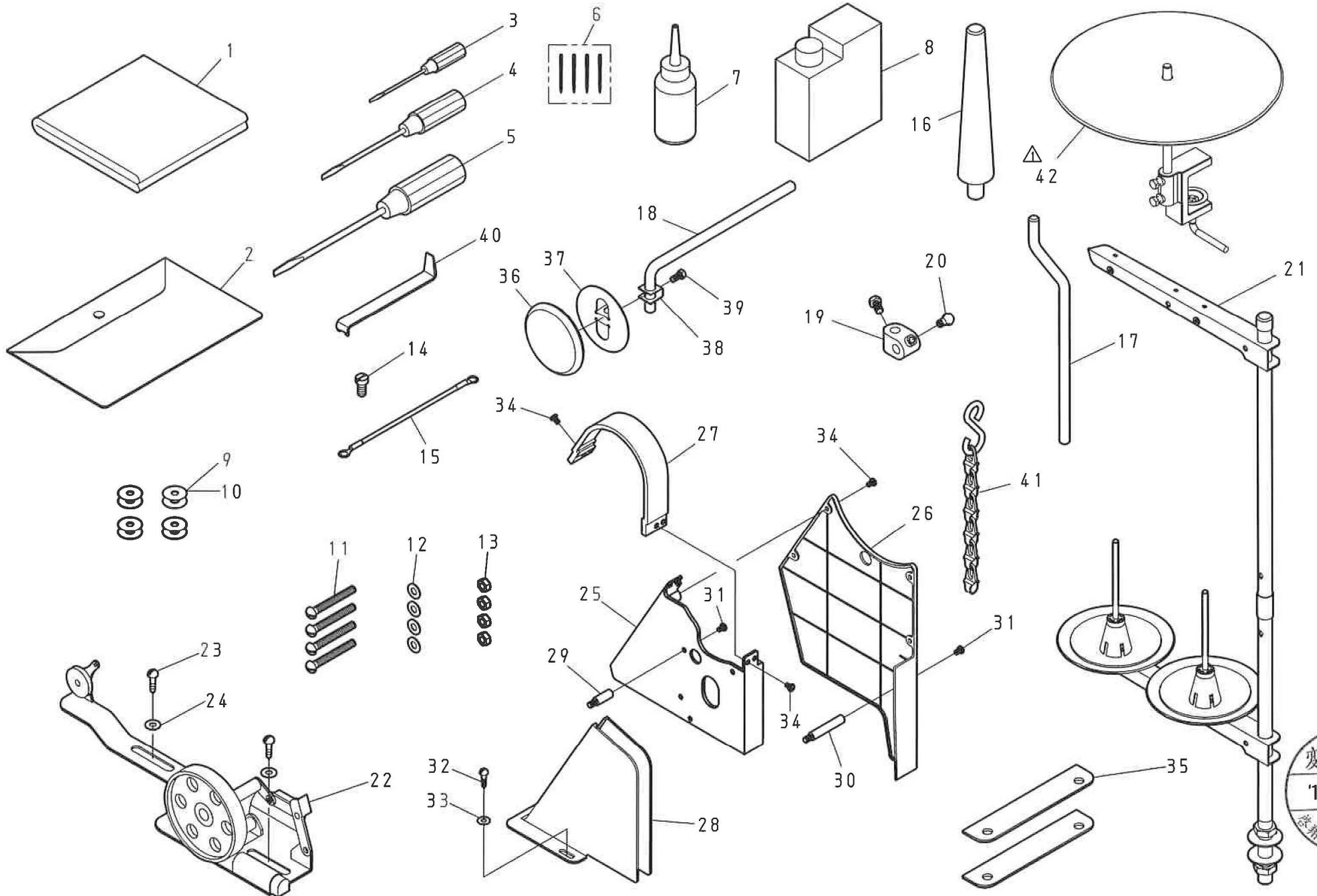
REF.No	NOTE	零件號碼	零件名稱	Name of Part	件數	Q'TY	備註
		Part No.			8703-V	8713-V	Remarks
1		87031801V0	下軸	Hook Driving Shaft	1	0	
2		87131801V0	下軸	Hook Driving Shaft	0	1	
3		8710180300	下軸套管(左)	Bushing, Front	1	1	
4		6220180400	下軸套管(中)	Bushing, Center	1	1	
5		A4021-0A	斜齒輪(小)	Screw Gear, Back	1	1	
6		ZSA16011	螺絲	Screw 1/4-40*7	2	2	
7		8703180500	下軸套管(右)	Bushing, Rear	1	1	
8		ZSA11016	螺絲	Screw 11/64-40*11	1	1	
9		XB205002	油綿	Felt	1	1	
10		E4014-0A	定環	Thrust Collar	1	1	
11		ZSA11011	螺絲	Screw 11/64-40*4.5	2	2	
12		L6100-0A	梭頭	Hook	1	0	
13		Q6100-1A	梭頭	Hook	0	1	
14		L7006-0A	梭仔	Bobbin	1	0	
15		E7006-1A	梭仔	Bobbin	0	1	
16		L6105-0A	梭殼	Bobbin Case	1	0	
17		Q6105-1A	梭殼	Bobbin Case	0	1	
18		H6014-0A	定環	Thrust Collar	1	1	
19		ZSA09005	螺絲	Screw 9/64-40*4.5	2	2	

J. CS-8703-V、CS-8713-V 縫線壓力調節關係 UPPER THREAD TENSION REGULATOR
MECHANISM COMPONENTS



J. CS-8703-V、CS-8713-V 縫線壓力調節關係 UPPER THREAD TENSION REGULATOR MECHANISM COMPONENTS

REF.No	NOTE	零件號碼 Part No.	零件名稱 Name of Part	件數 Q'TY	備註 Remarks
1		EJ1020-0A	上線壓力板(組) - Thread Tension Regulator Asm. -----	1	1
2		A1038-0A	上線壓力板 ---- Mounting Plate Asm. -----	(1)	(1)
3		EJ1037-0A	彈簧板 ---- Tension Releasing Plate -----	(1)	(1)
4		A1036-0A	壓板彈簧 ---- Tension Releasing Spring -----	(1)	(1)
5		ZSG09004	螺絲 ---- Hinge Screw -----	(2)	(2)
6		A1030-0A	過線孔台 ---- Thread Guide Disk -----	(1)	(1)
7		A1031-0A	過線孔圓盤 ---- Thread Guide Disk -----	(1)	(1)
8		A1032-0A	導線彈簧 ---- Spring -----	(1)	(1)
9		A1033-0A	過線孔內蓋 ---- Thread Guide Bracket -----	(1)	(1)
10		ZSG09005	螺絲 ---- Hinge Screw -----	(1)	(1)
11		ZSL09001	螺帽 ---- Nut 9/64-40 -----	(1)	(1)
12		EJ1028-0A	緩線鎖 ---- Tension Releasing Pin (small) -----	(1)	(1)
13		ZSN16002	螺帽 ---- Tension Thumb Nut 1/4-40 -----	(1)	(1)
14		EJ1021-0A	彈簧 ---- Tension Spring -----	(1)	(1)
15		A1034-0A	線調整壓盤 ---- Tension Regulator Presser Disk -----	(1)	(1)
16		A1035-0A	壓力板 ---- Tension Regulator Disk -----	(2)	(2)
17		A1024-1A	過線盤組 ---- Tension Controller Disk Set -----	(1)	(1)
18		EJ1027-0A	彈簧 ---- Thread Take-up Spring -----	(1)	(1)
19		EJ1026-0A	調整螺絲棒 ---- Tension Stud -----	(1)	(1)
20		ZSN16002	螺帽 ---- Tension Thumb Nut 1/4-40 -----	(1)	(1)
21		ZSB06001	螺絲 ---- Screw 3/32-56*6 -----	(1)	(1)
22		A1026-1A	壓力調整螺絲棒 - Shread Tension Stud -----	(1)	(1)
23		ZSB11012	螺絲 ---- Screw 11/64-40*8 -----	1	1
24		ZSB09007	螺絲 ---- Screw 9/64-40*7.5 -----	1	1
25		8233312200	緩線鎖 ---- Tension Releasing Pin -----	1	1



変更出図
16.7.14
設計課
名原
株式会社

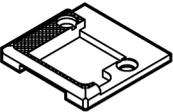
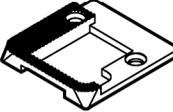
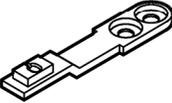
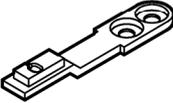
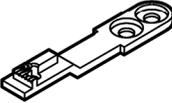
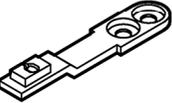
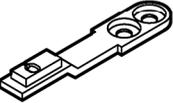
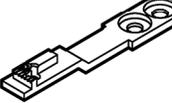
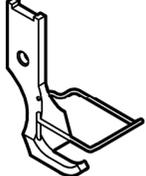
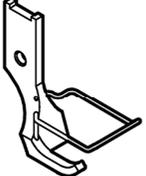
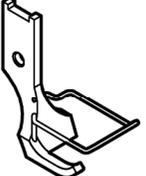
K. CS-8703-V, CS-8713-V 附件關係 ACCESSORIES

REF.No	NOTE	零件號碼 Part No.	零件名稱	Name of Part	件數 8703-V	Q'TY 8713-V	備註 Remarks
1		C7001-0A	車頭蓋	Cover	1	1	
2		A7000-0A	工具袋	Accessory Box	1	1	
3		A7010-0A	螺絲起子(小)	Screw Driver (small)	1	1	
4		A7010-1A	螺絲起子(中)	Screw Driver (middle)	1	1	
5		A7010-2A	螺絲起子(大)	Screw Driver (Large)	1	1	
6		INDP × 17-21	針	Needle DP × 17-21	4	4	
7		A7012-1A	油壺(中)	Oiler	1	1	
8		A7012-2A	油壺(大)	Oil Can	1	1	
9		L7006-0A	梭仔	Bobbin	4	0	
10		E7006-1A	梭仔	Bobbin	0	4	
11		ZMQ08001	螺絲	Screw M8 × 1.25*65	4	4	
12		WA089001	平墊圈	Washer	4	4	
13		ZML08001	螺帽	Nut M8 × 1.25	4	4	
14		ZSB11011	螺絲	Screw 11/64-40*9	1	1	
15		6120914005	印記線	Ground Wire Asm.	1	1	
16		6220119000	枕木	Head Rest Wood	1	1	
17	#01	6220344700	腳押曲桿	Knee Lever Rod	1	1	
18	#01	6220341900	腳押曲桿	Knee Lever Rod	1	1	
19	#01	A7034-0A	連接器	Knee Lifter Crank	1	1	
20	#01	ZSD20007	螺絲	Screw 5/16-18*16	2	2	
21		J7050-0A	線架	Thread Stand	1	1	
22		A7040-0A	捲線器組	Bobbin Winder	1	1	
23		ZMT05001	螺絲	Wood Screw	2	2	
24		WA059003	平墊圈	Washer	2	2	
25		8230335101	皮帶蓋 A	Belt Cover A	1	1	
26		8230335201	皮帶蓋 B	Belt Cover B	1	1	
27		8230335502	皮帶蓋 C	Belt Cover C	1	1	
28		8230335801	皮帶蓋 D	Belt Cover D	1	1	
29		6220335300	皮帶蓋固定螺絲(A)	Belt Cover Stud (A)	3	3	
30		6220335700	皮帶蓋固定螺絲(B)	Belt Cover Stud (B)	1	1	
31		ZSB11041	螺絲	Screw 11/64-40*7	4	4	
32		ZMT05003	螺絲	Wood Screw	2	2	
33		WA059003	平墊圈	Washer	2	2	
34		ZMB04009	螺絲	Screw M4 × 0.7*6	8	8	
35		6220913500	防振橡膠	Vibration Preventing Rubber	2	2	
36	#01	A7037-0A	腳弓大餅	Knee Guird	1	1	
37	#01	A7037-1A	腳弓餅支架	Knee Plate	1	1	
38	#01	A7036-0A	固定支架	Retainer	1	1	
39	#01	ZSD15007	螺絲	Screw 15/64-28*14	1	1	
40		87109133K0	特殊起子	Screw Driver	1	1	
41	#02	B7060-0A	鏈子(組)	Chain Assy.	1	1	
△ 42		L7100-0A	送料盤組	Stripe Feeding Plate Assy.	1	1	

Note(注記)
 #01. Knee Lifter Specification Parts 膝上仕樣部品
 #02. Pedal Lifter Specification Parts 踏板仕樣部品



L. CS-8703-V、CS-8713-V 針位圖號詳表 GAUGE PARTS LIST

	CS-8703-V			CS-8713-V		
	幅小用	幅広用	特殊用	幅小用	幅広用	特殊用
針板 THROAT PLATE						
	87001113V0			87101113V0		
狗齒 FEED DOG						
	87001614W0	87001614V0	87001614U0	87101614W0	87101614V0	87101614U0
内押脚 WALKING FOOT						
	87101510V0	87101510U0	87101510S0	87101510V0	87101510U0	87101510S0
外押脚 PRESSUR FOOT						
	87101530V4	87101530U4		87101530V4	87101530U4	

M. CS-8703 -V,CS-87 13-V 零件號碼與頁數對照表(1/3) NUMERICAL PARTS-LIST (1/3)

零件號碼 Part No.	頁數 PAGE						
4710113000	5- 12	6220169200	23- 2	8233144501	9- 8	8703160400	23- 4
5371167400	9- 23	6220169300	23- 15	8233144701	15- 1	8703166000	25- 19
5371353500	25- 3	6220169500	21- 9	8233144801	15- 8	8703168000	5- 8
6120117000	5- 15	6220169800	21- 7	8233145101	15- 9	8703168200	27- 25
6120117300	5- 13	6220180400	29- 4	8233147100	15- 3	87031801V0	29- 1
6120117400	5- 7	6220183600	7- 8	8233147200	15- 4	8703180500	29- 7
6120117400	5- 16	6220183700	21- 20	8233150200	17- 12	8703340400	17- 23
6120117400	7- 14	6220335300	33- 29	8233150500	17- 5	8703341600	19- 8
6120117400	9- 39	6220335700	33- 30	8233151900	15- 14	8703342900	19- 16
6120122300	9- 28	6220341700	19- 15	8233152000	15- 13	8703343400	19- 10
6120160600	25- 8	6220341900	33- 18	8233312200	31- 25	8703343800	19- 12
6120160800	23- 24	6220342000	19- 1	8233343000	17- 16	8703351005	9- 42
6120160904	25- 15	6220342200	19- 7	8233344000	17- 9	87101104V4	7- 9
6120161500	27- 3	6220344200	19- 5	8360188200	23- 8	87101106K0	7- 2
6120161800	25- 21	6220344700	33- 17	8370120800	9- 1	87101113V0	7- 5
6120162200	27- 10	6220913500	33- 35	8370311605	3- 23	8710118400	5- 17
6120164300	27- 11	8110120200	9- 6	8370341100	17- 18	87101510V0	15- 18
6120164400	27- 22	8110120301	9- 13	8610118200	27- 8	87101530V4	17- 14
6120167000	25- 1	8110120400	9- 26	8610161100	27- 1	87101601V0	21- 1
6120167200	25- 10	8110132000	9- 35	8610162200	27- 2	8710160800	23- 19
6120167500	25- 13	8110132100	9- 32	8610167600	23- 25	87101614W0	21- 3
6120168300	27- 26	8110270401	13- 12	8610270100	13- 1	87101633V0	21- 5
6120168400	27- 27	8110270801	13- 19	8610270900	13- 20	8710164005	27- 17
6120168500	27- 28	8110270814	13- 18	8610271100	13- 28	8710164100	27- 19
6120914005	33- 15	8110272801	13- 22	8700110600	7- 1	8710167800	23- 17
6220112700	7- 21	8230140700	11- 2	87001113V0	7- 4	87101694V0	21- 12
6220112800	7- 23	8230144200	15- 20	8700160500	23- 5	87101697V0	21- 6
6220117900	5- 14	8230150401	17- 3	87001614W0	21- 2	87101699V0	21- 15
6220118100	19- 14	8230335101	33- 25	8700169200	23- 1	87101713V0	21- 19
6220119000	33- 16	8230335201	33- 26	87001713V0	21- 18	8710180300	29- 3
6220119100	7- 17	8230335502	33- 27	8700183600	7- 7	8710190100	11- 9
6220122000	9- 21	8230335801	33- 28	8700190100	11- 8	87109133K0	33- 40
6220160500	23- 6	8230340200	17- 20	8703110300	7- 20	8710271000	13- 24
6220164400	21- 10	8233110900	3- 4	8703110505	5- 1	87131801V0	29- 2
6220165100	23- 11	8233143601	15- 12	8703111000	3- 1	A1013-0B	5- 3
6220167900	23- 13	8233143700	3- 7	8703120100	9- 16	A1013-0B	5- 5
6220167900	23- 28	8233144400	9- 11	8703141700	15- 17	A1013-0B	5- 9

M. CS-8703 -V,CS-87 13-V 零件號碼與頁數對照表(2/3) NUMERICAL PARTS-LIST (2/3)

零件號碼 Part No.	頁數 PAGE						
A1013-1B	5- 6	B1074-0A	11- 16	EJ1092-0A	13- 9	WA059003	33- 33
A1024-1A	31- 17	B1080-0A	11- 14	EJ1180-0A	17- 4	WA060013	27- 29
A1026-1A	31- 22	B1091-0A	13- 4	EJ1200-0A	17- 10	WA079003	23- 21
A1030-0A	31- 6	B1274-0A	17- 8	EJ4109-0A	7- 19	WA089001	33- 12
A1031-0A	31- 7	B1280-0A	15- 21	EJ4152-0A	25- 12	WG000010	25- 22
A1032-0A	31- 8	B1283-0A	15- 15	EJ4153-0A	25- 6	XA200250	11- 10
A1033-0A	31- 9	B1284-0A	15- 16	EJ4434-2A	17- 21	XA300020	11- 15
A1034-0A	31- 15	B1285-0A	13- 7	F1063-0A	3- 9	XA300020	13- 5
A1035-0A	31- 16	B1291-0A	15- 7	F1375-0A	13- 17	XA300030	11- 13
A1036-0A	31- 4	B1333-0A	13- 15	H6014-0A	29- 18	XA300040	13- 3
A1038-0A	31- 2	B1334-0A	13- 16	INDP × 17-21	11- 5	XA300040	13- 23
A1051-0A	3- 16	C1052-0A	3- 18	INDP × 17-21	33- 6	XA300055	9- 33
A1107-0A	11- 18	C1054-0A	3- 21	J1041-0A	3- 29	XA300065	11- 19
A1108-0A	9- 19	C1062-1A	11- 11	J7050-0A	33- 21	XA300080	13- 2
A1109-0A	9- 30	C1174-0A	27- 20	L6060-0A	21- 16	XA300125	13- 30
A1113-0A	9- 36	C7001-0A	33- 1	L6061-0A	7- 11	XB111004	23- 18
A1130-0A	9- 10	E1158-0A	27- 13	L6063-2A	21- 13	XB114001	5- 4
A1130-0A	9- 25	E1171-2A	27- 12	L6100-0A	29- 12	XB120001	27- 5
A1160-0A	25- 23	E1172-2A	27- 18	L6105-0A	29- 16	XB205001	9- 37
A1162-0A	25- 16	E1173-2A	27- 14	L7006-0A	29- 14	XB205002	29- 9
A1166-0A	25- 18	E1174-2A	27- 15	L7006-0A	33- 9	XB207001	9- 24
A4020-0A	9- 40	E4014-0A	29- 10	OP00100A	27- 16	XB207002	9- 9
A4021-0A	29- 5	E4044-0A	9- 17	OPP00680	27- 31	XB210001	9- 7
A7000-0A	33- 2	E4044-0A	23- 30	OPP01250	19- 4	XB210001	9- 15
A7010-0A	33- 3	E7006-1A	29- 15	OPP03550	27- 24	XB210001	9- 27
A7010-1A	33- 4	E7006-1A	33- 10	OPP04440	27- 6	XB316001	13- 29
A7010-2A	33- 5	EJ1014-0A	3- 11	Q1070-0A	11- 1	XB320003	25- 4
A7012-1A	33- 7	EJ1017-0A	3- 12	Q4436-1A	13- 26	YA035075	3- 3
A7012-2A	33- 8	EJ1020-0A	31- 1	Q6100-1A	29- 13	YA050100	27- 4
A7034-0A	33- 19	EJ1021-0A	31- 14	Q6105-1A	29- 17	YA080280	7- 16
A7036-0A	33- 38	EJ1026-0A	31- 19	RE000040	27- 30	YB030020	13- 21
A7037-0A	33- 36	EJ1027-0A	31- 18	RE000060	13- 27	YD060024	3- 13
A7037-1A	33- 37	EJ1028-0A	31- 12	WA049003	5- 11	YD060056	7- 13
A7040-0A	33- 22	EJ1037-0A	31- 3	WA049005	13- 14	ZMB04009	33- 34
B1050-0A	3- 14	EJ1055-0A	3- 24	WA050002	15- 5	ZMB04018	7- 12
B1061-0A	11- 6	EJ1056-0A	3- 25	WA059002	13- 11	ZMH08002	19- 3
B1062-0A	11- 12	EJ1057-0A	3- 26	WA059003	33- 24	ZMH08003	19- 2

M. CS-8703 -V,CS-87 13-V 零件號碼與頁數對照表(3/ 3) NUMERICAL PARTS-LIST (3/

3)

零件號碼 Part No.	頁數 PAGE						
ZMJ04005	13- 13	ZSA20008	23- 7	ZSB15009	3- 6	ZSH16001	9- 22
ZML06002	3- 15	ZSB06001	31- 21	ZSB15009	13- 25	ZSK12003	17- 22
ZML08001	33- 13	ZSB06002	11- 3	ZSB15010	3- 10	ZSK12026	17- 11
ZMQ08001	33- 11	ZSB06010	21- 22	ZSB15014	23- 26	ZSK16002	15- 10
ZMR04001	7- 10	ZSB08002	11- 4	ZSB15019	25- 24	ZSL09001	31- 11
ZMT05001	33- 23	ZSB08010	21- 8	ZSB15026	9- 29	ZSL11003	15- 6
ZMT05003	33- 32	ZSB08041	21- 4	ZSB15028	19- 17	ZSL16001	15- 11
ZSA09005	29- 19	ZSB09002	13- 8	ZSB15034	7- 15	ZSN16002	31- 13
ZSA11004	3- 17	ZSB09003	17- 15	ZSB15034	7- 24	ZSN16002	31- 20
ZSA11004	23- 9	ZSB09005	3- 30	ZSB16005	23- 23	ZSN32001	17- 2
ZSA11005	23- 14	ZSB09007	31- 24	ZSB16011	17- 19	ZSR18002	23- 22
ZSA11005	23- 29	ZSB09011	3- 28	ZSB18001	9- 2		
ZSA11007	19- 6	ZSB09011	25- 5	ZSB18001	19- 9		
ZSA11007	19- 13	ZSB09017	3- 2	ZSB18002	9- 3		
ZSA11007	25- 9	ZSB11003	11- 17	ZSB20014	7- 18		
ZSA11011	29- 11	ZSB11007	25- 14	ZSB20017	15- 22		
ZSA11012	21- 11	ZSB11009	15- 19	ZSC09009	3- 22		
ZSA11016	29- 8	ZSB11011	33- 14	ZSC09012	7- 3		
ZSA15012	11- 7	ZSB11012	31- 23	ZSC09021	3- 19		
ZSA15017	9- 5	ZSB11017	5- 2	ZSC09021	3- 20		
ZSA15019	9- 4	ZSB11017	5- 10	ZSC11017	7- 6		
ZSA15020	9- 14	ZSB11018	25- 7	ZSD11001	13- 10		
ZSA15020	9- 34	ZSB11026	27- 23	ZSD15003	25- 17		
ZSA15020	9- 38	ZSB11034	25- 20	ZSD15007	33- 39		
ZSA15020	17- 13	ZSB11039	21- 17	ZSD16007	15- 2		
ZSA15020	23- 27	ZSB11041	33- 31	ZSD20007	33- 20		
ZSA15020	27- 7	ZSB11051	21- 21	ZSF32001	17- 1		
ZSA15023	13- 6	ZSB11069	23- 10	ZSG08003	3- 27		
ZSA15037	25- 2	ZSB11083	17- 6	ZSG09004	31- 5		
ZSA16010	9- 18	ZSB12006	3- 5	ZSG09005	31- 10		
ZSA16010	23- 31	ZSB12006	23- 16	ZSG11028	21- 14		
ZSA16010	25- 11	ZSB12008	9- 43	ZSG15040	19- 11		
ZSA16011	9- 20	ZSB12009	23- 3	ZSG16006	17- 7		
ZSA16011	9- 31	ZSB12011	25- 25	ZSG16016	23- 12		
ZSA16011	9- 41	ZSB12017	27- 21	ZSG18006	23- 20		
ZSA16011	29- 6	ZSB12030	3- 8	ZSG20004	17- 17		
ZSA16025	9- 12	ZSB15006	27- 9	ZSG20018	7- 22		