



Computer-controlled Cycle Machine with Input Function

入力機能付き電子サイクルマシン

AMS-224EN/IP-420

PARTS LIST

HOW TO MAKE USE OF THIS PARTS LIST

1.Explanation of codes

1)"*"mark.....means this part is changed from the previous parts book.

As to the details of the change, refer to "List for information of change".

2)"#01".....refer to "Note" explanation at bottom of page.

2.Codes on the "Qty" column

• Each numeral indicates the number of parts required.

• "0.1" and "2.5" indicate the length (in meters) of the respective parts.

3.Parentheses mean that the corresponding part is a subpart that constructs an assembly part.

4.Dotted lines on the Figures indicate assembly parts.

5.As to the parts with marks of "☆"(consumable parts) and "◎"(optional parts)on the respective parts, it is recommended to prepare spares.

パーツリストご利用に際して

1.“注記”欄の記号説明

1)“*”印..... 前回のパーツブックに比較して今回変更された部品を意味します。

変更内容は“変更情報リスト”を参照してください。

2)“#01”..... ページ下の“注記”の説明を参照してください。

2.数量欄の数字は、個数を表し、0.1、2.5等の数値は、長さ（単位メートル）を表します。

3.数量欄の（ ）は、組部品を構成している子部品であることを意味します。

4.イラストページの————枠は、組構成であることを意味します。

5.リストページの“☆”（消耗部品）、“◎”（オプション部品）の印がついた部品は、予備を準備しておくことをお奨めします。

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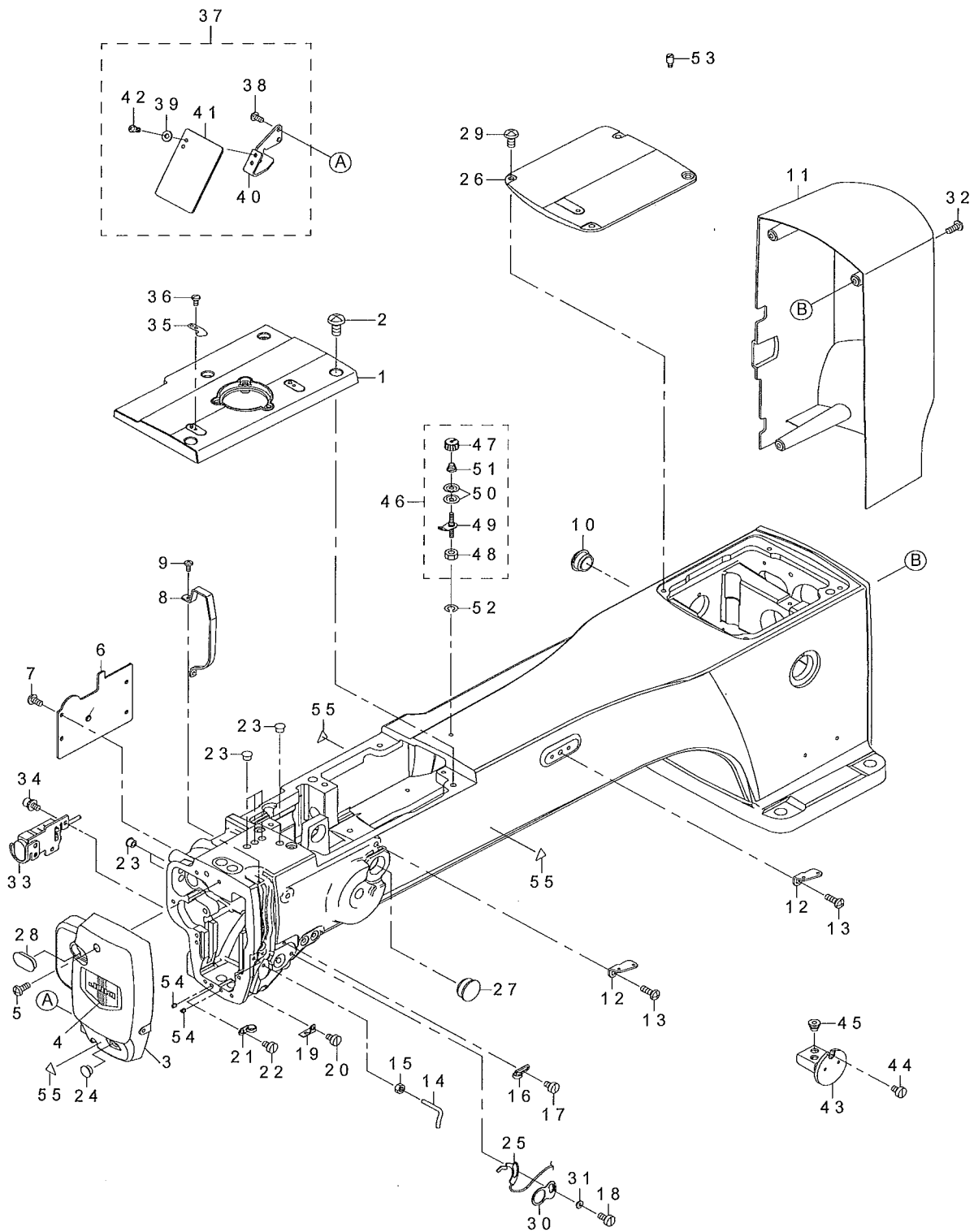
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1. FRAME & MISCELLANEOUS COVER COMPONENTS (1)

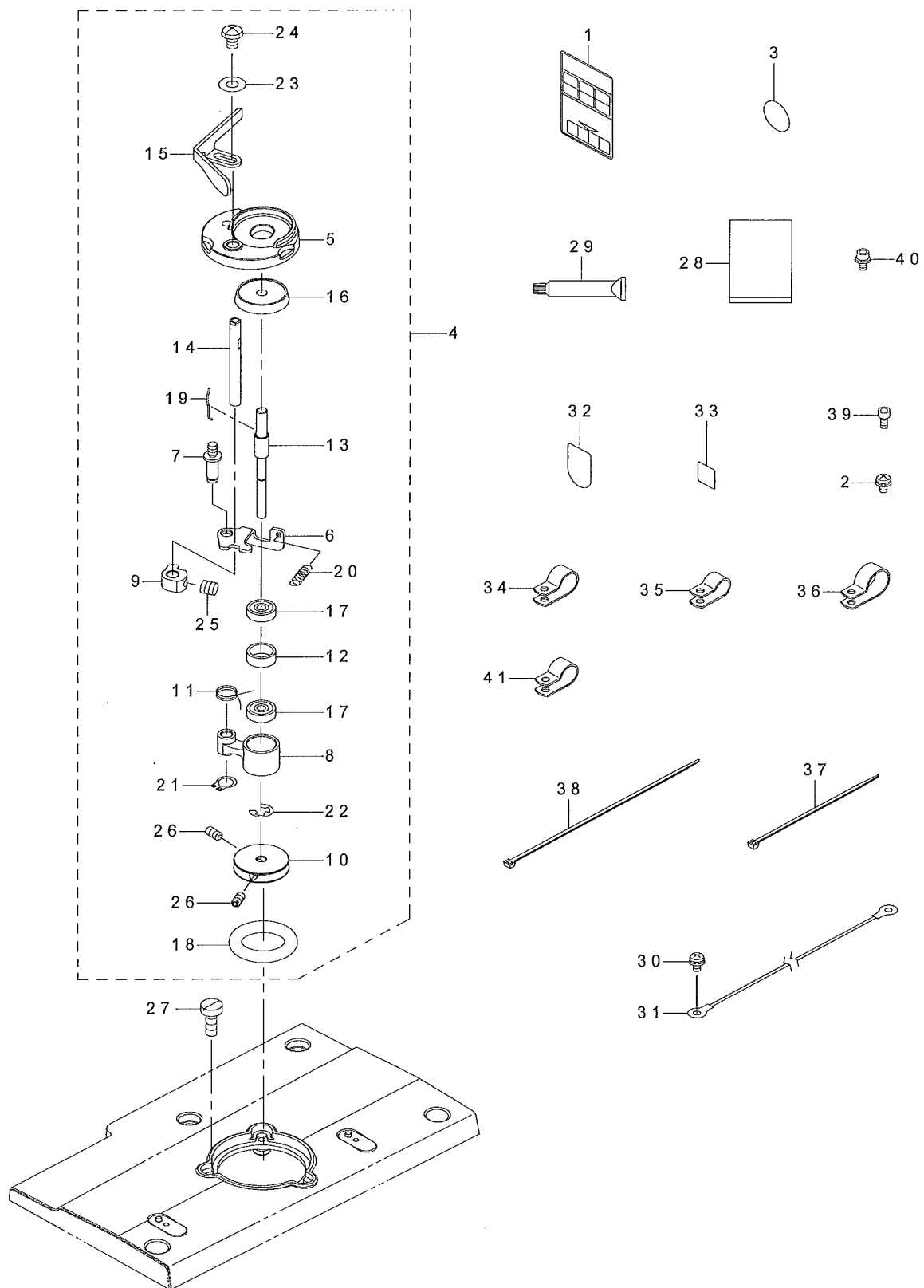
頭部・外装関係 (1)



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-32158	TOP_COVER_FRONT	上面カバー 前	1
2		SM-4061255-SP	SCREW M6 L=12	なべねじ M 6 L = 1 2	4
3		400-26979	FACE_COVER	面部カバー	1
4		229-02506	FACE PLATE	面板化粧板	1
5		SM-4041055-SP	SCREW	なべねじ M 4 L = 1 0	2
6		400-24999	PRESSER_COVER	中押エカバー	1
7		SM-4040855-SP	SCREW	なべねじ	4
8		400-30828	THREAD_TAKE_UP_LEVER_COVER	天秤カバー	1
9		SM-4030601-SN	SCREW M3 X 6	なべ小ねじ M 3 X 0. 5 L = 6	2
10		TA-2100904-R0	RUBBER PLUG	止栓	1
11		400-27971	MOTOR_COVER	モータカバー	1
12		262-11904	THREAD GUIDE PLATE	第二系案内	2
13		SM-4061255-SP	SCREW M6 L=12	なべねじ M 6 L = 1 2	2
14		400-25414	L_SHAPED_THREAD_GUIDE	L 型系案内	1
15		NM-6040000-SN	NUT M4	六角ナット M 4	1
16		229-20508	ARM_THREAD_GUIDE_A	アーム系案内 A	1
17		SM-6040650-TP	SCREW	平ねじ M 4 L = 6	1
18		SM-6040860-TP	SCREW M4 L=8	平ねじ M 4 L = 8	1
19		B1129-210-000	FRAME_THREAD_GUIDE (B)	アーム系案内 B	1
20		SM-6040650-TP	SCREW	平ねじ M 4 L = 6	1
21		137-05108	TAKE-UP_THREAD_GUIDE_B	天秤系案内 B	1
22		SM-6040650-TP	SCREW	平ねじ M 4 L = 6	1
23		TA-0850604-R0	RUBBER PLUG	止栓	6
24		TA-1050504-R0	RUBBER PLUG	止栓	1
25		400-73678	THB SENSOR CABLE ASM.	糸切れセンサケーブル組	1
26		400-32159	TOP_COVER_REAR	上面カバー 後ろ	1
27		TA-2351004-R0	RUBBER PLUG	止栓	1
28		400-28877	FACE_COVER_CAP	面部カバー止栓	1
29		SM-4051055-SP	SCREW	なべねじ	4
30		400-28834	GUIDE_PLATE	糸切れ検知板ガイド	1
31		400-28835	BUSHING	糸切れ検知板ブッシュ	1
32		SM-4041055-SP	SCREW	なべねじ M 4 L = 1 0	4
33		400-73676	STOP SW ASM	一時停止スイッチ組	1
34		SL-6040892-TN	BOLT	座金付き六角穴ボルト	2
35		105-02300	THREAD CUTTER	糸切り保持板	1
36		SM-4030601-SN	SCREW M3 X 6	なべ小ねじ M 3 X 0. 5 L = 6	1
37		400-06484	SAFETY PLATE COMPL.	安全プレート結合	1
38		SM-4040855-SP	SCREW	なべねじ	(2)
39		WP-0450801-SD	WASHER 4.5X10X0.8	平座金 4. 5 X 1 0 X 0. 8	(2)
40		400-51987	SAFETY PLATE BASE	アイガード固定板	(1)
41		B3120-372-000	SAFETY PLATE	安全プレート	(1)
42		SM-4040655-SP	SCREW M4 L=6	なべ小ねじ M 4 L = 6	(2)
43		400-06836	OIL TANK ASM.	オイルタンク組	2
44		SM-6040650-TP	SCREW	平ねじ M 4 L = 6	2
45		400-06840	RUBBER BUSH	止栓	4
46		141-13468	BOBBIN_THREAD_TENSION_ASM.	糸巻き糸調子 (組)	1
47		110-72402	THREAD TENSION NUT	第一糸調子ナット	(1)
48		NS-6110310-SP	NUT 11/64-40	六角ナット 11 / 6 4 - 4 0	(1)
49		141-13450	BOBBIN_THREAD_TENSION_ROD_ASM.	糸巻き糸調子棒 (結合)	(1)
50		B3126-012-000	THREAD TENSION DISK	糸調子皿	(2)
51		D7133-555-B00	CONNECTING ROD SPRING	下連結棒ばね	(1)
52		WS-0451040-KP	SPRING WASHER 4.5X8.5X1	ばね座金 4. 5 X 8. 5 X 1	1
53		B1114-280-000	PIN	ピン	1
54		SM-8040412-TP	SET SCREW M4 L=4	止めねじ	2
55		CM-3002000-01	ATTENTION SEAL	指げが注意シール (16)	3

2. FRAME & MISCELLANEOUS COVER COMPONENTS (2)

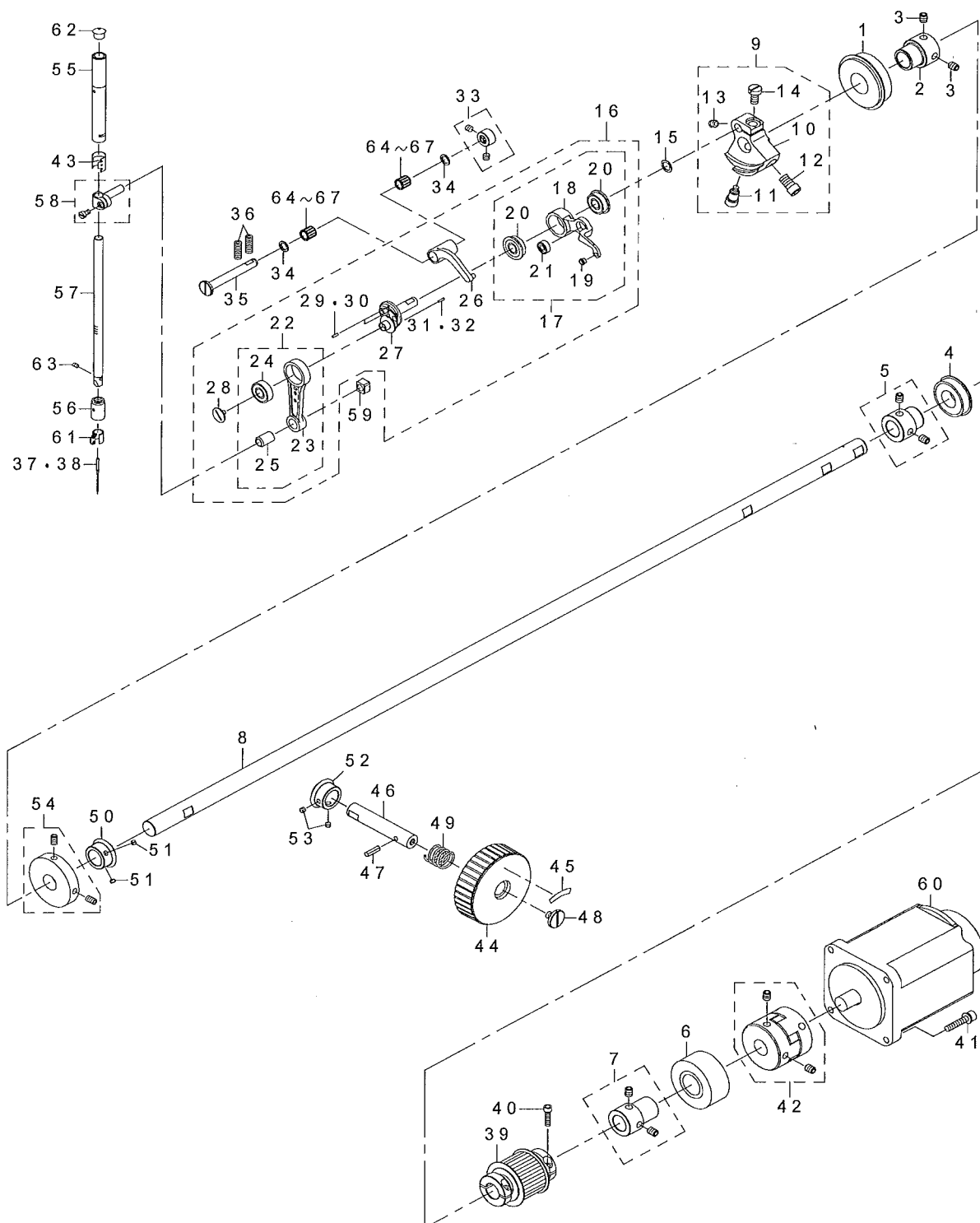
頭部・外装関係 (2)



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		CM-3012000-01	SAFETY LABEL_S	頭部注意安全シール (小)	2
2		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M4 L=8	12
3		229-01805	GROUND MARK	グラウンドマーク	1
4		400-28338	BOBBIN_WINDER_UNIT	糸巻き装置組	1
5		262-60109	BTW_BASE	糸巻き取付台	(1)
6		262-60208	BTW_CAM_PLATE	糸巻き調節板	(1)
7		262-60307	BTW_BASE_SHAFT	糸巻き調節板軸	(1)
8		262-60406	BTW_SHAFT_BASE	糸巻き腕	(1)
9		262-60505	BTW_CAM_LEVER	糸巻きカム	(1)
10		262-60604	BTW_WHEEL	糸巻き車	(1)
11		262-60703	BTW_TORSION_SPRING	糸巻き腕ばね	(1)
12		262-60802	BTW_BEARING_SPACER	ベアリングスペーサー	(1)
13		400-23865	BTW_SHAFT	糸巻き軸	(1)
14		400-23866	BTW_LEVER_SHAFT	糸巻きレバー軸	(1)
15		400-30829	BTW_LEVER	糸巻きレバー	(1)
16		262-61206	BTW_SPACER	ボビン座	(1)
17		262-61305	BTW_BEARING	糸巻き軸ベアリング	(2)
18	☆	262-61503	BTW_WHEEL_RUBBER	糸巻き摩擦車	(1)
19	☆	262-61602	BOBBIN_SPRING	ボビン止めばね	(1)
20		262-61701	BTW_SPRING	糸巻き調節板戻しばね	(1)
21		RC-0560711-KP	RETAINING RING	C 形止め輪	(1)
22		RE-0400000-K0	E-RING 4	E 形止め輪 4	(1)
23		WP-0450826-SC	WASHER 4.5X10X0.8	平座金 4.5 X 10 X 0.8	(1)
24		SM-5040655-SN	SCREW	バインドねじ	(1)
25		SM-8050502-TP	SCREW M5 L=5	止めねじ	(1)
26		SM-8040802-TP	SCREW M4X8	止めねじ M4 X 0.7 L=8	(2)
27		SM-6041150-TP	SCREW	平ねじ M4 L=11	3
28		400-31336	FLAT_BAG	ポリエチレン袋	1
29	☆	400-13640	JUKI_GREASE_B_TUBE	JUKI グリース B	1
30		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M4 L=8	1
31		141-15554	HEAD GROUND CABLE A ASM.	頭部アースケーブル A 組	1
32		CM-1001000-01	OIL INJECTION PROHIBITION LABEL	油注入禁止ラベル	1
33	#01	CM-6001001-01	WEEE MARK LABEL S	WEEE マーク ラベル S	1
34		HX-0015000-0F	CABLE CLIP	ケーブルクリップ	4
35		HX-0015000-0D	CABLE CLIP	ケーブルクリップ	8
36		HX-0015000-0H	CABLE CLIP	ケーブルクリップ	3
37		EA-9500B01-00	CABLE BAND	束線バンド	3
38		EA-9500B02-00	CABLE BAND 150	結束バンド 150	5
39		SM-6040802-TP	SCREW M4X0.7 L=8	六角穴ボルト	5
40		SL-6040892-TN	BOLT	座金付き六角穴ボルト	3
41	*	HX-0015000-0E	CORD PRESSER 3-POLE (220/240V)	ケーブルクリップ	2
		NOTE(注記)	#01....FOR JE	JE 用	

5. MAIN SHAFT & NEEDLE BAR COMPONENTS

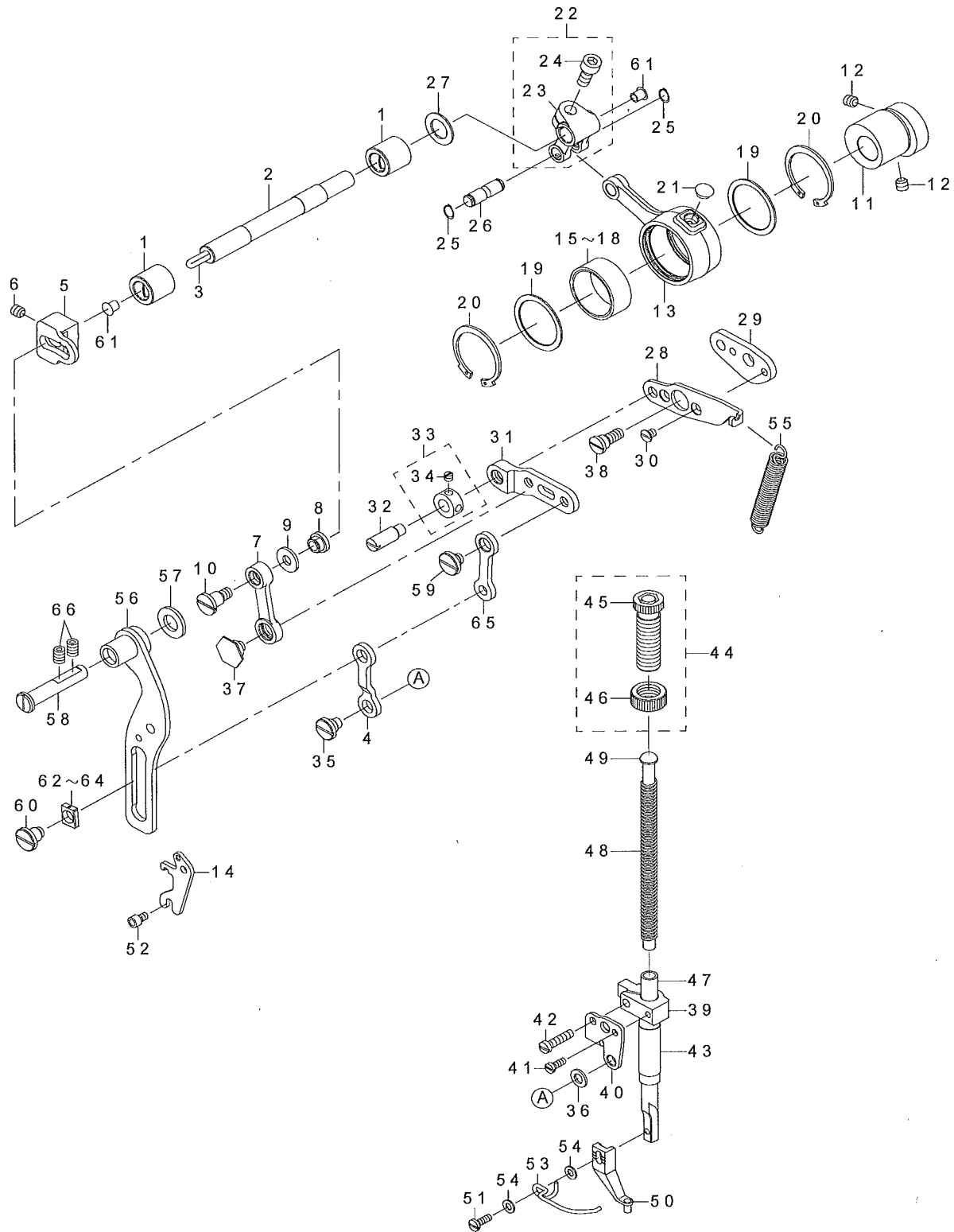
上軸・針棒関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		SB-1200009-00	BEARING	ころがり軸受	1
2		236-04200	MAIN SHAFT BEARING SUPPORT	上軸ベアリング受	1
3		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	2
4		SB-1200018-00	BEARING	ころがり軸受	1
5		400-10415	BEARING_BUSH_A_ASM.	上軸ベアリングブッシュ組	1
6		SB-1200017-00	BEARING	ころがり軸受	1
7		400-10418	BEARING_BUSH_B_ASM.	後ろメタルベアリングブッシュ組	1
8		400-72086	MAIN SHAFT	上軸	1
9		400-10422	COUNTER_WEIGHT_ASM.	釣合錘組	1
10		400-10423	COUNTER_WEIGHT	釣合錘	(1)
11		400-10424	COUNTER_WEIGHT_SCREW_A	釣合錘止めねじ A	(1)
12		400-10425	COUNTER_WEIGHT_SCREW_B	釣合錘止めねじ B	(1)
13		400-10426	COUNTER_WEIGHT_SCREW_C	釣合錘止めねじ C	(1)
14		400-10427	COUNTER_WEIGHT_SCREW_D	釣合錘止めねじ D	(1)
15		WP-0820516-SP	WASHER 11.6X8.2X0.6	平座金 8. 2 X 11. 6 X 0. 6	1
16		400-78382	THREAD_TAKE_UP_COMPL	リング天秤結合	1
17		400-06530	THREAD_TAKE_UP_LEVER_ASM.	天秤組	(1)
18		400-06531	THREAD_TAKE_UP_LEVER	天秤	(1)
19		B1908-505-000	THREAD PASS BUSH	天秤糸道ブッシュ	(1)
20		SB-1080022-00	BEARING	ころがり軸受	(2)
21		SB-1040016-00	BEARING	ころがり軸受	(1)
22		400-78106	NEEDLE_BAR_CRANK_ROD_ALL_ASM	針棒クランクロッド組	(1)
23		400-06535	NEEDLE_BAR_CRANK_ROD	針棒クランクロッド	(1)
24		SB-1080023-00	BEARING	ころがり軸受	(1)
25		228-91006	NEEDLE BAR CRANK ROD BUSH	針棒クランクロッドブッシュ	(1)
26		400-06532	THREAD_TAKE_UP_CRANK	天秤クランク	(1)
27		400-78083	NEEDLE_ROD_CRANK	針棒クランク	(1)
28		B1903-552-000	LEFT SCREW	左ねじ	(1)
29	#01	400-78135	PIN	ピン	(1)
30	#01	400-96186	PIN	ピン	(1)
31	#01	B1705-850-000	STOPPER PIN	ストッパーピン	(1)
32	#01	400-96209	PIN	ピン	(1)
33		400-10434	THRUST_COLLAR_ASM.	天秤クランクピンスラストカラー組	1
34		228-91204	BEARING SUPPORT	ベアリング押え	2
35		400-11902	THREAD_TAKE_UP_CRANK_SHAFT	天秤クランク軸	1
36		SM-8061612-TP	SCREW M6X16	止めねじ M 6 L = 1 6	2
37	☆	#02 MDP-170B1800	NEEDLE DPX17 #18	針 DPX 17 #18	1
38	☆	#03 MC-3720011-00	NEEDLE 135X17 #110	針 SY 3355 110	1
39		400-72233	SPROCKET_ASM	上軸スプロケット組	1
40		SM-6041602-TP	SCREW M4X0.7 L=16	六角穴ボルト M 4 X 0. 7 L = 1 6	4
41		SL-6052592-TN	BOLT	座金付き六角穴ボルト	4
42	*	400-51473	COUPLING_ASM.	カップリング組	1
43		400-78160	NEEDLE_ROD_METAL_GREASE_COVER	針棒上メタルグリスカバー	1
44		B1212-210-D00	PULLEY	手元プーリ	1
45		B1144-210-000	REVOLVING DIRECTION LABEL	回転方向ラベル	1
46		400-44053	PULLEY SHAFT	手元プーリ軸	1
47		PS-0400142-KH	SPRING PIN 4X14	スプリングピン 4 X 1 4	1
48		A1230-500-000-A	HANDWHEEL SETSCREW	はずみ車止めねじ	1
49		GAF-01007000	SPRING	送り固定ばね	1
50		400-06515	GEAR_A	手元プーリーギア A	1
51		SM-8040310-SS	SCREW M4 L=3	止めねじ	2
52		400-06516	GEAR_B	手元プーリーギア B	1
53		SM-8040310-SS	SCREW M4 L=3	止めねじ	2
54		400-10533	BTW_DRIVING_WHEEL_ASM.	糸巻き駆動車組	1
55		400-77604	NEEDLE_ROD_METAL	針棒上メタル	1
56		400-77605	NEEDLE_ROD_LOWER_METAL	針棒下メタル	1
57		400-26882	NEEDLE_BAR	針棒	1
58		B1411-552-0A0	NEEDLE BAR CONNECTING_ASM.	針棒抱き組	1
59		B1414-555-000	SLIDE BLOCK	針棒抱き案内コロ	1
60		400-52937	550W_SERVO_MOTOR	550 W サーボモータ	1
61	#04	400-26884	NEEDLE_BAR_SHREAD_GUIDE_H	針棒系案内 厚物	1
62		229-01409	NEEDLE BAR UPPER BUSH CAP	針棒上メタルキャップ	1
63		SM-8030412-TP	SCREW	止めねじ M 3 L = 4	1
64	#01	SB-3070002-0A	BEARING	ころがり軸受	2
65	#01	SB-3070002-0B	BEARING	ころがり軸受	2
66	#01	SB-3070002-0C	BEARING	ころがり軸受	2
67	#01	SB-3070002-0D	BEARING	ころがり軸受	2
NOTE(注記)			#01.....SELECTIVE PARTS #02.....TYPE H(FOR ST) #03.....TYPE H(FOR JE) #04.....TYPE H	選択部品 H 仕様 (ST 用) H 仕様 (JE 用) H 仕様	

6. PRESSER MECHANISM & PRESSER VARIABLE COMPONENTS (1)

中押え・中押え可変関係 (1)



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-25431	BUSHING	メタル	2
2		400-25427	INTERMEDIATE_PRESSER_SHAFT	中押え揺動軸	1
3		CQ-3030000-00	OIL WICK	油芯	0.18
4		400-30617	INTERMEDIATE_PRESSER_LINK_D	中押えリンク D	1
5		400-25012	ADJUSTING_ARM	中押え調節腕	1
6		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	1
7		400-68835	INTERMEDIATE_PRESSURE_LINK	中押えリンク	1
8		400-25415	ADJUSTING_NUT	中押え調節ナット	1
9		WP-0611626-SP	WASHER 15X6X1.6	平座金	1
10		SD-0800746-TP	SHOULDER SCREW	段ねじ D = 8 H = 7. 4	1
11		400-25428	ECCENTRIC_CAM	中押え偏芯カム	1
12		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	2
13		400-25011	CRANK_CONNECTING_ROD	中押えカムロッド	1
14		400-68833	POSITIONING_LINK_SPRING_HOOK	位置決めリンクばね掛け	1
15	#01	B1636-581-A00	NEEDLE BEARING	ニードル ベアリング A	1
16	#01	B1636-581-B00	NEEDLE BEARING B	ニードル ベアリング B	1
17	#01	B1636-581-C00	NEEDLE BEARING	ニードル ベアリング	1
18	#01	B1636-581-D00	NEEDLE BEARING	ニードル ベアリング	1
19		400-12965	BEARING_SUPPORT_PLATE	ベアリング板	2
20		RC-3781518-KP	RETAINING RING	C 形止め輪	2
21		TA-0750404-R0	PLUG D=7.5 L=3.5	止栓 D = 7. 5 L = 3. 5	1
22		131-22452	FEED BRANCH CRANK ASM.	送り二股クランク組	1
23		131-22403	FEED BRANCH CRANK	送り二股クランク	(1)
24		SM-6061402-TP	SCREW M6 L=14	六角穴ねじ M 6 L = 1 4	(1)
25		RC-0650811-KP	RETAINING RING	C 形止め輪	2
26		400-25429	ROD_CONNECTING_SHAFT	中押えロッド連結軸	1
27		WP-1221016-SP	WASHER	平座金	1
28		400-68834	POSITIONING_LINK	位置決めリンク	1
29		400-24988	POSITIONING_LINK_B	中押え位置決めリンク B	1
30		SS-1110640-TP	SCREW 11/64-40 L= 5.5	皿ねじ 1 1 / 6 4 - 4 0 L = 5. 5	2
31		400-30620	INTERMEDIATE_PRESSER_LINK_B	中押えリンク B	1
32		B1408-180-000	HINGE SCREW	針棒上下リンクピン	1
33		CS-079073A-SH	THRUST COLLAR ASM.	スラスト受 組	1
34		SS-8110410-TP	SCREW 11/64-40 L= 3.5	止めねじ 1 1 / 6 4 - 4 0 L = 3. 5	(2)
35		SD-0800386-TP	SHOULDER SCREW D=8 H=3.75	段ねじ D = 8 H = 3. 7 5	1
36		400-29419	LINK_CONNECTING_PLATE_WASHER	中押えリンク中継板座金	1
37		SD-1000506-TP	SHOULDER SCREW D=10 H=4.95	段ねじ D = 1 0 H = 4. 9 5	1
38		SD-0800408-TP	SHOULDER SCREW	段ねじ D = 8 H = 4	1
39		236-10108	PRESSER BAR GUIDE BRACKET	押え棒抱き	1
40		400-24991	LINK_CONNECTING_PLATE	中押えリンク中継板	1
41		SS-6090910-SP	SCREW 9/64-40 L=9	平ねじ 9 / 6 4 - 4 0 L = 9	1
42		SS-7111810-TP	SCREW 11/64-40 L=18	丸平ねじ 1 1 / 6 4 - 4 0 L = 1 8	1
43		400-78133	PRESSER_BUSHING	中押え棒メタル	1
44		229-07554	PRESSER SPRING REG NUT ASM.	送り調節ねじナット組	1
45		229-07505	PRESSER SPRING REGULATOR	押え調節ねじ	(1)
46		229-07604	PRESSER SPRING REGULATOR NUT	押え調節ねじナット	(1)
47		400-30623	INTERMEDIATE_PRESSER_BAR	中押え棒	1
48		B1611-210-00A	INNER PRESSER SPRING	中押えばね	1
49		400-23631	PRESSER GUIDE BAR	中押え案内棒	1
50	☆	400-23632	INTERMEDIATE PRESSER A	中押え A	1
51		SM-7751160-TP	SCREW	丸平穴ねじ M 3. 5 L = 1 0. 5	1
52		SM-6040602-TP	SCREW M4 L=6	六角穴ボルト M 4 X 0. 7 L = 6	2
53		B1634-210-D00	FINGER GUARD	指ガード	1
54		WP-0430800-SC	WASHER M4	平座金小形丸 M 4	2
55		400-30621	INTERMEDIATE_PRESSER_SPRING B	中押え補助ばね B	1
56		400-77925	PRESSURE_VARIABLE_PLATE_ASM.	中押え可変板結合	1
57		400-78113	COLLAR	敷き座金	1
58		400-23624	THREAD_TRIMMER_SHAFT	糸切りリンク軸	1
59		SD-0800336-TP	SHOULDER SCREW	段ねじ D = 8 H = 3. 2 5	1
60		SD-0800656-TP	SHOULDER SCREW	段ねじ D = 8 H = 6. 4 5	1
61		TA-0550604-R0	RUBBER PLUG	止栓	2
62	#01	400-30628	SLIDE_BLOCK_A	角駒 A	1
63	#01	400-30629	SLIDE_BLOCK_B	角駒 B	1
64	#01	400-30630	SLIDE_BLOCK_C	角駒 C	1
65		400-30616	INTERMEDIATE_PRESSER_LINK_C	中押えリンク C	1
66		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	2

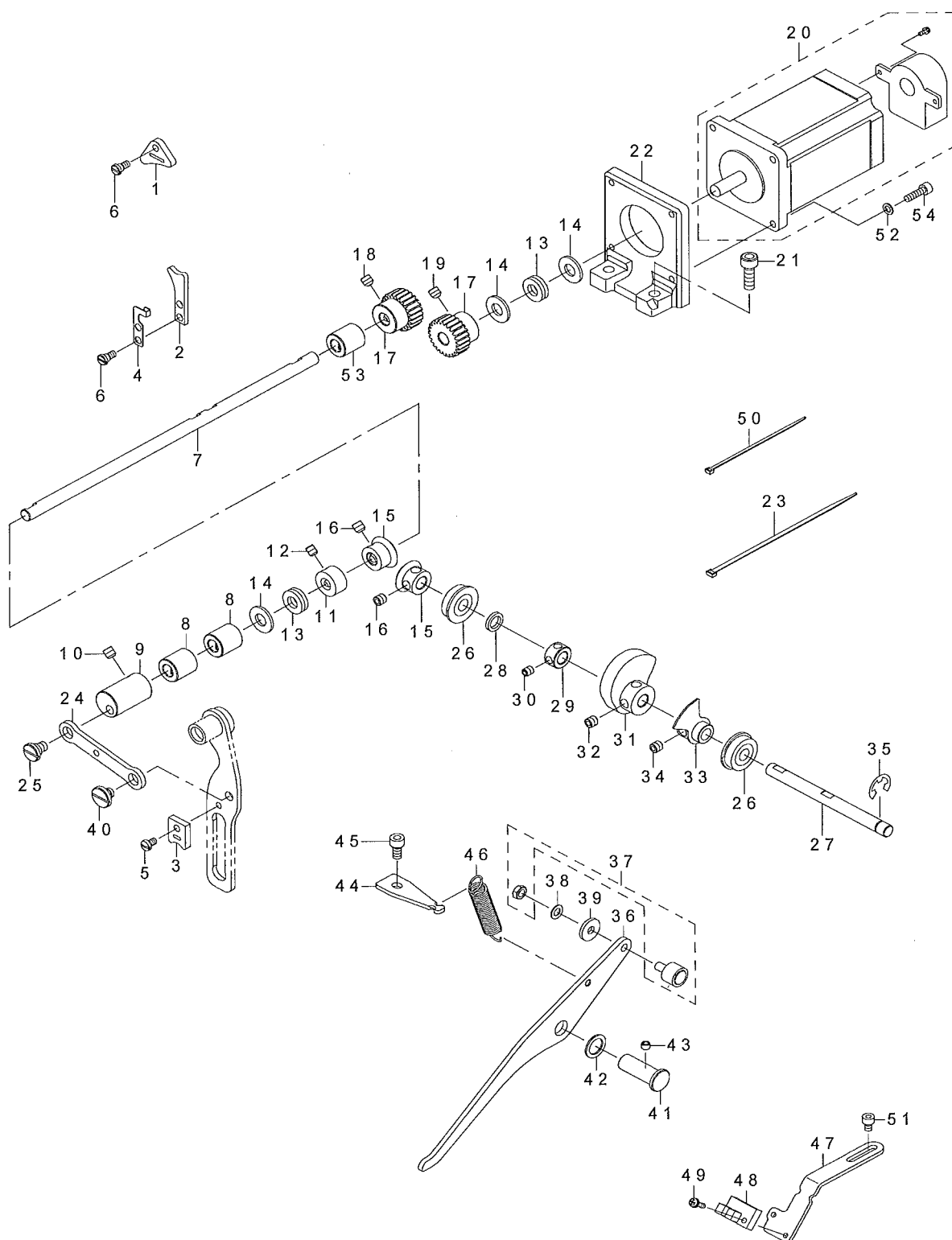
NOTE(注記)

#01....SELECTIVE PARTS

選択部品

7. PRESSER MECHANISM & PRESSER VARIABLE COMPONENTS (2)

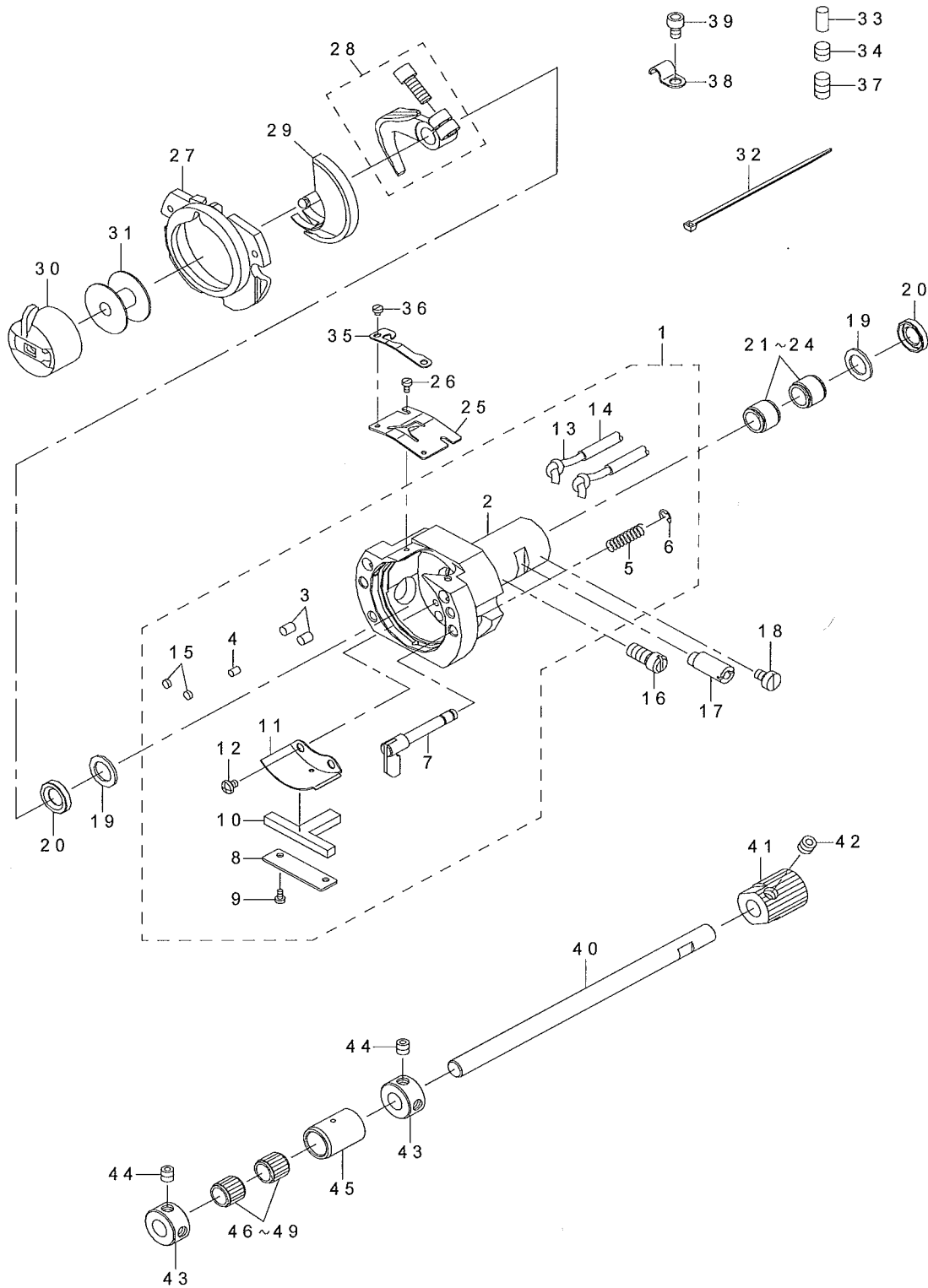
中押え・中押え可変関係 (2)



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-30625	FACE_FELT_A	面部フェルト A	1
2		400-30626	FACE_FELT_B	面部フェルト B	1
3		400-30627	FACE_FELT_C	面部フェルト C	1
4		400-26817	FACE_FELT_B_SUPPORT	面部フェルト B 支え	1
5		400-29420	FELT_SCREW_C	フェルト止めねじ C	1
6		400-32483	FELT_SCREW_AB	面部フェルト AB 止めねじ	3
7		400-32179	PRESSER_VARIABLE_SHAFT	中押え可変軸	1
8		400-25423	BUSHING B	メタル B	2
9		400-26819	PRESSER_VARIABLE_ARM	中押え可変腕	1
10		SM-8480652-TP	SCREW	止めねじ M 6 X 0. 75 L = 6	2
11		CS-0800881-TP	THRUST COLLAR	スラスト受 D = 8 W = 8	1
12		SM-8050412-TP	SCREW M5 L=4	止めねじ M 5 L = 4	2
13		SB-4080001-00	BEARING	ころがり軸受	2
14		WP-0850002-SP	WASHER 8.5X18X1.6	平座金 8. 5 X 1 8 X 1. 6	3
15		400-30615	PRESSER_LIFT_GEAR	中押え上げ駆動ギア	2
16		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	4
17		400-32180	PRESSER_MOTOR_GEAR_A	中押えモータギア A	2
18		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	2
19		SM-8060602-TP	SCREW M6X6	止めねじ M 6 L = 6	2
20		401-03969	ENCODER MOTOR ASM.(IP)	エンコーダモータ組 (中押え)	1
21		SM-6061802-TP	SCREW M6 L=18	六角穴ボルト	2
22		400-32181	PRESSER_MOTOR_BRACKET	中押えモータブラケット	1
23		EA-9500B02-00	CABLE BAND 150	結束バンド 150	2
24		400-24989	PRESSER_VARIABLE_LINK	中押え可変リンク	1
25		SD-0800337-TP	SHOULDER SCREW	段ねじ D = 8 H = 3. 25	1
26		SB-1080005-00	RADIAL BEARING	ラジアル軸受	2
27		400-25426	PRESSER_LIFT_SHAFT	中押え上げ軸	1
28		WZ-0850302-K0	WAVED WASHER 8.5X12.5X0.3	波形座金 8. 5 X 1 2. 5 X 0. 3	1
29		CS-0800881-TP	THRUST COLLAR	スラスト受 D = 8 W = 8	1
30		SM-8050412-TP	SCREW M5 L=4	止めねじ M 5 L = 4	2
31		400-25016	LIFTING_CAM	中押え上げカム	1
32		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	2
33		400-25418	SENSOR_SLIT_ASM	センサースリット組	1
34		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	2
35		RE-0700000-K0	E-RING 7	E 形止め輪 7	1
36		400-25030	LIFTING_LINK	中押え上げリンク	1
37		400-27870	CAM FOLLOWER	中押え上げカムフォロア	1
38		WP-0520656-SA	WASHER 5.2X9.5X0.6	平座金 5. 2 X 9. 5 X 0. 6	1
39		WP-0522016-SH	WASHER	平座金 5. 2 X 1 5 X 2	1
40		SD-0800387-TP	SHOULDER SCREW D=8 H=3.75	段ねじ D = 8 H = 3. 75	1
41		B1641-562-000	FEED REGULATING ARM SHAFT	送り調節腕軸	1
42		262-26001	WASHER	糸切りリンク座金	1
43		SM-8050412-TP	SCREW M5 L=4	止めねじ M 5 L = 4	1
44		400-25420	LIFTER_LINK_SPRING_HOOK	中押え上げばね掛け	1
45		SM-6050802-TP	SCREW M5X0.8 L=8	六角穴ボルト M 5 X 0. 8 L = 8	1
46		400-03970	TENSION RELEASE RETURN	ばね	1
47		400-25419	SENSOR_INSTALLING_BASE	センサー取付板	1
48		HD-0005700-0A	PHOTO SENSOR	フォトセンサ	1
49		SL-4031091-SC	SCREW M3 X 10	なべ小ねじセムス	1
50		EA-9500B01-00	CABLE BAND	束線バンド	2
51		SM-6040602-TP	SCREW M4 L=6	六角穴ボルト M 4 X 0. 7 L = 6	2
52		WP-0450846-SP	WASHER	平座金	4
53		400-43321	BUSHING_C	中押え可変軸メタル	1
54		SM-6041402-TP	SCREW M4 L=14	六角穴ボルト M 4	4

8. SHUTTLE DRIVER SHAFT COMPONENTS (1)

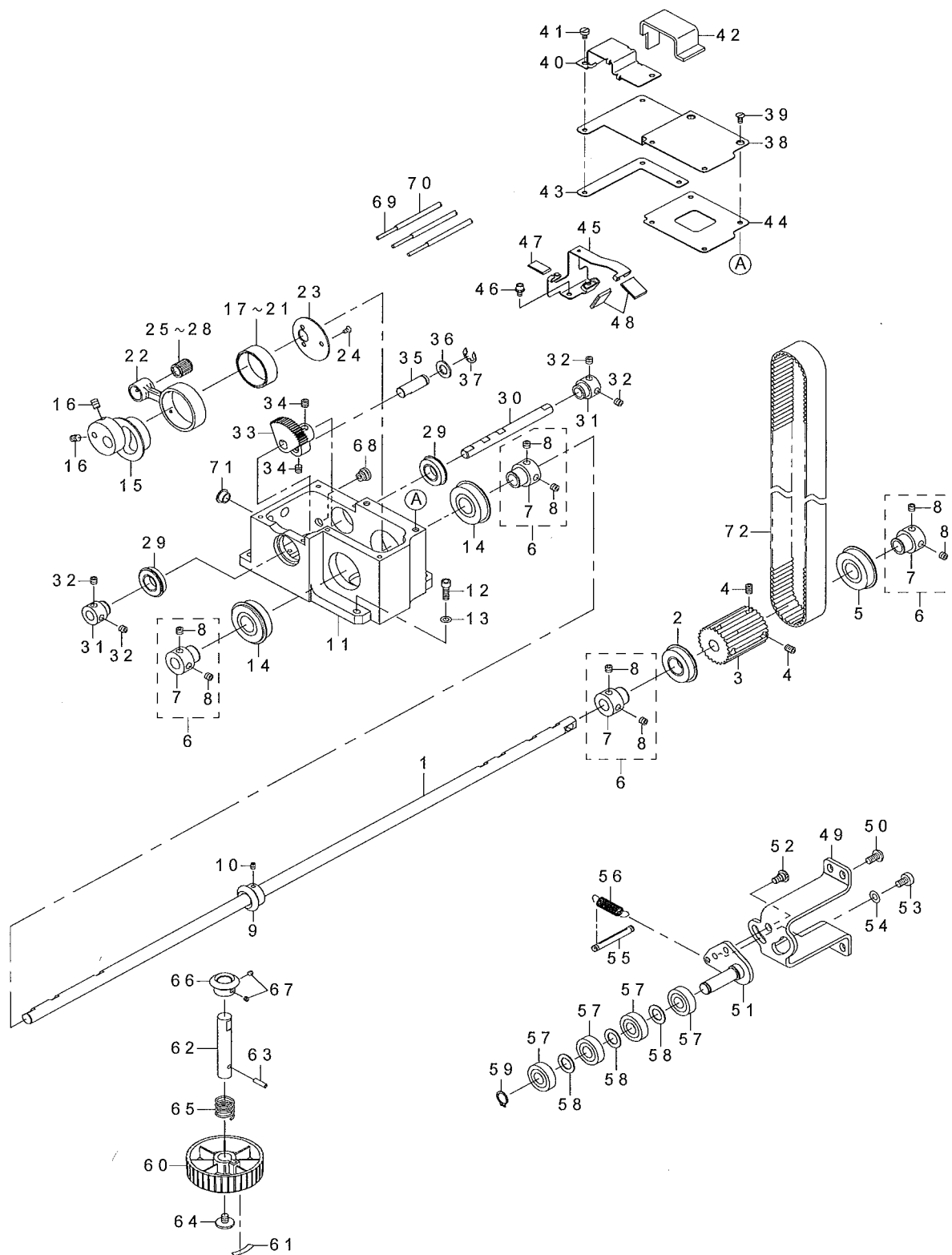
下軸関係 (1)



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-72140	SHUTTLE_ASM	大釜組	1
2	*	400-89365	SHUTTLE	大釜	(1)
3		B1820-210-D00	SHUTTLE OIL FELT,A	大釜給油穴フェルト A	(2)
4		B1821-210-D00	SHUTTLE OIL FELT,B	大釜給油穴フェルト B	(1)
5		B1822-215-P00	INNER HOOK PRESSER SPRING	中釜押えばね	(2)
6		RE-0300000-K0	E-RING 3	E 形止め輪 3	(2)
7		265-01858	INNER-HOOK-PRESSER COMPL.	中釜押えフック結合	(2)
8		141-04004	ONCE THROUGH OIL FELT PRESSER	大釜還流フェルト押え	(1)
9		SM-6020460-TP	SCREW	平ねじ M 2 L = 3. 5	(2)
10		141-03907	SHUTTLE ONCE THROUGH OIL FELT	大釜還流フェルト	(1)
11		400-06577	SHUTTLE_LUBRICATING_PLATE	大釜給油板	(1)
12		SM-4030455-SP	SCREW	なべ小ねじ M 3 L = 4	(2)
13		CQ-2000000-00	OIL WICK	油芯	(8,9)
14		236-30007	TUBE	チューブ	(3,9)
15		135-29607	SHUTTLE PACKING	大釜パッキン	(2)
16		400-10470	SHUTTLE_ASM_SCREW	大釜組止めねじ	1
17		400-10471	SHUTTLE_RACE_ADJUSTING_SHAFT	大釜調節軸	1
18		SM-6060800-SP	SCREW M6 L=8	平ねじ M 6 L = 8	1
19		400-10472	SHUTTLE_BEARING_RING	大釜ベアリング止め輪	2
20		400-06576	SHUTTLE_OIL_SEAL	オイルシール	2
21	#01	SB-3080010-0A	BEARING	ころがり軸受	2
22	#01	SB-3080010-0B	BEARING	ころがり軸受	2
23	#01	SB-3080010-0C	BEARING	ころがり軸受	2
24	#01	SB-3080010-0D	BEARING	ころがり軸受	2
25		400-36117	SHUTTLE UPPER SPRING	大釜上ばね	1
26		SM-6020460-TP	SCREW	平ねじ M 2 L = 3. 5	2
27		141-03352	INNER HOOK PRESSER ASM., B	中釜押え B 結合	1
28	☆	400-14963	SHUTTLE DRIVER ASM.	ドライバー組	1
29	☆	400-61991	SHUTTLE(H)	中釜 (太針用)	1
30	☆	B1828-210-DAA	BOBBIN CASE ASM.	ボビンケース組	1
31	☆	B1806-210-D00	BOBBIN	ボビン	1
32		EA-9500B01-00	CABLE BAND	束線バンド	2
33		400-06578	OIL_WICK_PRESSER	釜給油油絞り	1
34		SM-8060610-TP	SCREW	止めねじ M 6 L = 6	1
35		400-36118	LOWER THREAD HOLDER	下糸保持板	1
36		SM-6020250-TP	SCREW	平ねじ	2
37		SM-8061050-TP	SCREW	止めねじ M 6 L = 10	1
38		B3538-112-000	OIL RETURN TUBE HOLDER	還流パイプ押え	1
39		SM-6040602-TP	SCREW M4 L=6	六角穴ボルト M 4 X 0. 7 L = 6	1
40		400-72102	DRIVER SHAFT	下軸ギヤ軸	1
41		400-72101	LOWER SHAFT GEAR	下軸ギヤ	1
42		SM-8060552-TP	SCREW M6 L=5	止めねじ	2
43		CS-0800971-TP	THRUST COLLAR D=8 W=9	スラストカラー D = 8 W = 9	2
44		SM-8050512-TP	SCREW	止めねじ M 5 L = 5	4
45		B1847-221-D00	LOWER SHAFT MIDDLE METAL	下軸中メタル	1
46	#01	B1411-804-A00	BEARING (A)	針駆動レバーベアリング A	1
47	#01	B1411-804-B00	NEEDLE DRIVING LEVER BEARING B	針駆動レバーベアリング B	1
48	#01	B1411-804-C00	NEEDLE DRIVING LEVER BEARING C	針駆動レバーベアリング C	1
49	#01	B1411-804-D00	BEARING (D)	針駆動レバーベアリング D	1
		NOTE (注記)	#01....SELECTIVE PARTS	選択部品	

9. SHUTTLE DRIVER SHAFT COMPONENTS (2)

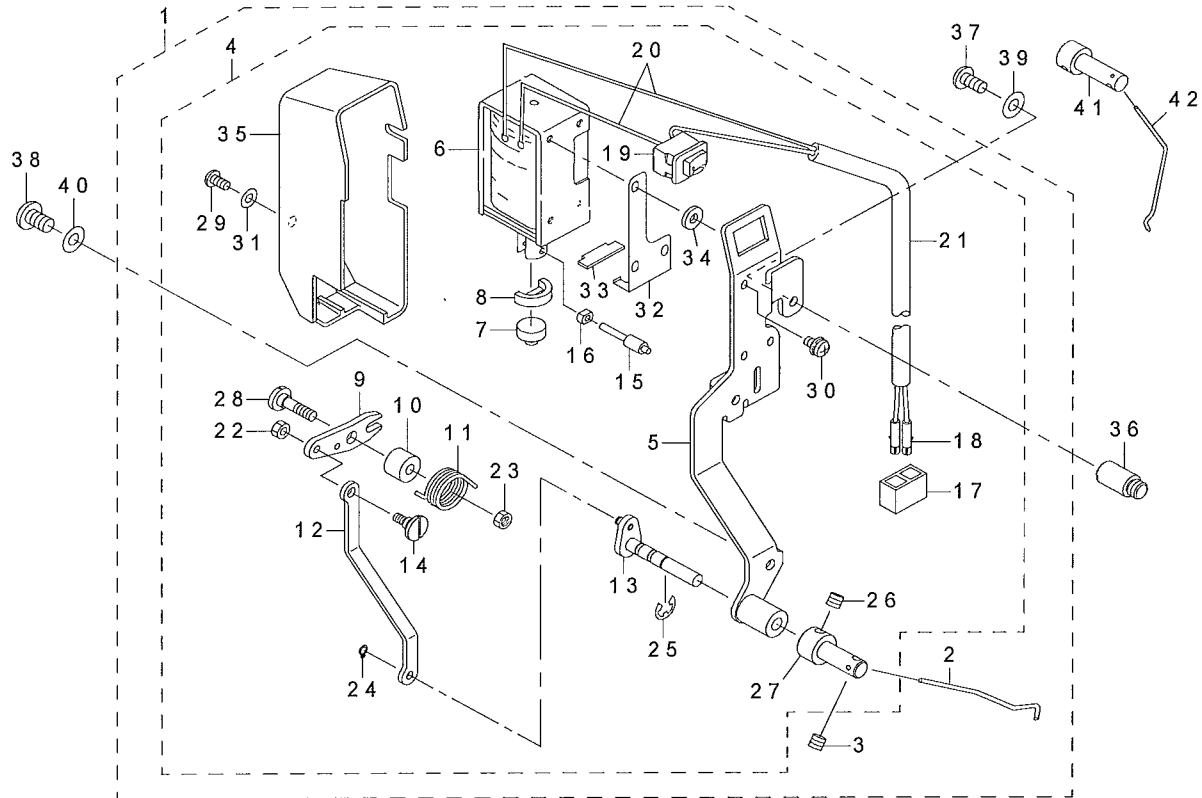
下軸関係 (2)



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-72089	LOWER SHAFT	下軸	1
2		SB-117004-00	BEARING	ころがり軸受	1
3		400-72207	LOWER SHAFT SPROCKET	下軸スプロケット	1
4		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	4
5		SB-1170010-00	BEARING	ころがり軸受	1
6		400-86384	BEARING SUPPORT ASM.	上下軸前ベアリング受け (組)	4
7		236-18606	BEARING SUPPORT	上下軸前ベアリング受	(1)
8		SS-8660612-TP	SCREW 1/4-40 L=6	止めねじ 1/4-40 L = 6	(2)
9		400-72173	GEAR_A	手元プーリー歯車 A	1
10		SM-8040502-TP	SCREW M4X0.7 L=5	止めねじ M 4 X 0. 7 L = 5	2
11		400-72090	GEAR BOX	下軸ギアボックス	1
12		SM-6051602-TP	SCREW M5X0.8 L=16	六角穴バルト M 5 X 0. 8 L = 1 6	4
13		WP-0531000-SD	WASHER M5	平座金小形丸 M 5	4
14		SB-1170011-00	BEARING	ころがり軸受	2
15		400-72091	ECCENTRICK CAM	下軸偏芯カム	1
16		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	2
17		SB-3350002-0A	BEARING	ころがり軸受	1
18		SB-3350002-0B	BEARING	ころがり軸受	1
19		SB-3350002-0C	BEARING	ころがり軸受	1
20		SB-3350002-0D	BEARING	ころがり軸受	1
21		SB-3350002-0E	BEARING	ころがり軸受	1
22		400-72092	CRANK LOD	下軸クランクロッド	1
23		400-72106	CRANK LOD SUPPORT PLATE	クランクロッド補助板	1
24		SM-1030601-SP	SCREW M3 L=6	皿ねじ M 3 L = 6	3
25		SB-3100011-0A	BEARING	ころがり軸受	1
26		SB-3100011-0B	BEARING	ころがり軸受	1
27		SB-3100011-0C	BEARING	ころがり軸受	1
28		SB-3100011-0D	BEARING	ころがり軸受	1
29		SB-1150014-00	BEARING	ころがり軸受	2
30		400-72093	OSCILLATING SHAFT	大振り軸	1
31		400-72227	BEARING_BUSH	ベアリングブッシュ	2
32		SM-8060552-TP	SCREW M6 L=5	止めねじ	4
33		400-72094	OSCILLATOR	大振り子	1
34		SM-8480652-TP	SCREW	止めねじ M 6 X 0. 7 5 L = 6	5
35		400-72095	OSCILLATOR PIN	大振りピン	1
36		400-26818	WASHER	大振りピン座金	1
37		RE-0800000-K0	E-SHAPED SNAP RING (8MM)	E 形止め輪 8	1
38		400-72096	GEAR BOX COVER	ギアボックスカバー	1
39		SM-1040870-TP	SCREW	皿小ねじ M 4 L = 8	2
40		400-72100	LUBRICATING PLATE	給油板	1
41		SM-6040850-TP	SCREW	平ねじ M 4 L = 6	5
42		400-72099	FELT	給油フェルト	1
43		400-72097	GASKET A	パッキン A	1
44		400-72098	GASKET B	パッキン B	1
45		400-72159	LUBRICATION PLATE	給油板	1
46		SL-6040892-TN	BOLT	座金付き六角穴バルト	2
47		B3518-280-000	BALANCE LUBRICATING	天秤給油バイリオン	1
48		B3509-280-000	NEEDLE ROD CRANK LUBRICATING	針棒クランク給油バイリオン	2
49		400-72208	IDLER INSTALLING PLATE	アイドラー取付板	1
50		SM-4061255-SP	SCREW M6 L=12	なべねじ M 6 L = 1 2	4
51		400-72103	IDLER BASE ASM	アイドラー土台結合	1
52		SD-0800346-TP	SHOULDER SCREW	段ねじ D = 8 H = 3. 4	1
53		SM-6061010-TP	SCREW M6 L=10	平小ねじ M 6 L = 1 0	1
54		WP-0641601-SD	WASHER M6	平座金みがき丸 M 6	1
55		135-18501	SPRING SUSPENSION	布押えばね掛け	1
56		144-32504	IDLER SPRING	アイドラーばね	1
57		SB-1120002-00	BEARING	ベアリング D = 1 2 X 2 8	4
58		WP-1221016-SP	WASHER	平座金	3
59		RC-1200001-KP	C-SHAPED SNAP RING	C 形止め輪	1
60		B1212-210-D00	PULLEY	手元プーリー	1
61		B1144-210-000	REVOLVING DIRECTION LABEL	回転方向ラベル	1
62		400-44053	PULLEY SHAFT	手元プーリー軸	1
63		PS-0400142-KH	SPRING PIN 4X14	スプリングピン 4 X 1 4	1
64		A1230-500-000-A	HANDWHEEL SETSCREW	はずみ車止めねじ	1
65		GAF-01007000	SPRING	送り固定ばね	1
66		400-06515	GEAR_A	ギア A	1
67		SM-8040502-TP	SCREW M4X0.7 L=5	止めねじ M 4 X 0. 7 L = 5	2
68		400-06840	RUBBER BUSH	止栓	3
69		CQ-2000000-00	OIL WICK	油芯	2.6
70		236-30007	TUBE	チューブ	6.3
71		TA-1050504-R0	RUBBER PLUG	止栓	2
72		400-72088	BELT	上軸タイミングベルト	1

10. WIPER MECHANISM COMPONENTS

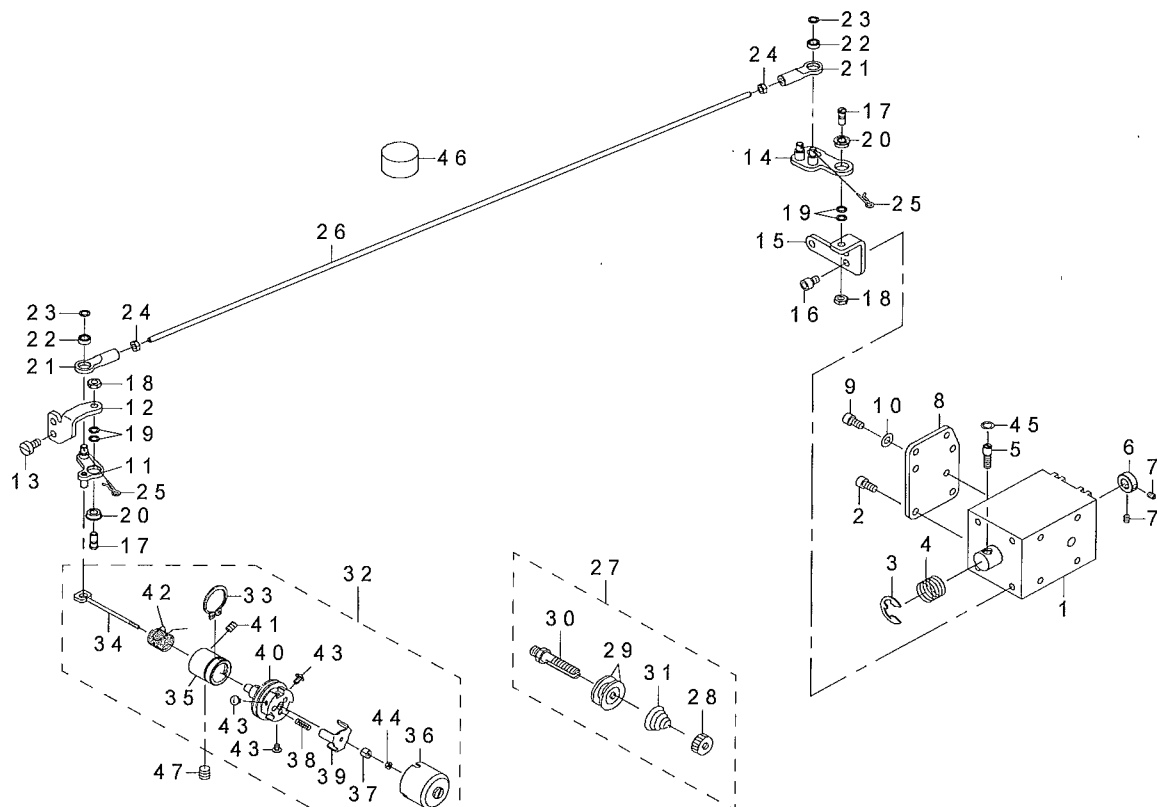
ワイパー関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-86363	WIPER_ASM	ワイパー組	1
2		B2107-210-D00	WIPER	ワイパー	(1)
3		SM-8040412-TP	SET SCREW M4 L=4	止めねじ	(1)
4		400-86364	WIPER_B_ASM	ワイパー B 組	(1)
5		400-86355	WIPER_BASE_ASM	ワイパー台組	(1)
6		400-30956	WIPER_SOLENOID	ワイパーソレノイド	(1)
7		229-55900	WIPER RUBBER A	ワイパーゴム A	(1)
8		229-56007	WIPER RUBBER B	ワイパーゴム B	(1)
9		400-86350	WIPER_LINK_A	ワイパーリンク A	(1)
10		400-86353	WIPER_HINGE_SCREW_COLLAR	ワイパー支点軸カラー	(1)
11		400-86349	WIPER_SPRING	ワイパーばね	(1)
12		400-86357	WIPER_LINK_B	ワイパーリンク B	(1)
13		400-86358	WIPER_DRIVING_SHAFT_ASM	ワイパー軸組	(1)
14		229-56908	WIPER LINK B HINGE SCREW	ワイパーリンク B 段ねじ	(1)
15		400-86352	WIPER_SOLENOID_SHAFT	ワイパーソレノイド軸	(1)
16		400-91894	SLIDE_BLOCK	角駒	(1)
17		HK-0346100-20	2-POLE NYLON PLUG	ハウジング 2 P	(1)
18		HK-0346400-0B	PIN CONTACT	ピンコンタクト	(2)
19		HA-0060000-00	SWITCH	スイッチ	(1)
20		HW-2003900-00	ELECTRIC WIRE	ビニール電線 17-0.16 白	(0.04)
21		HW-5000700-00	2-CORE CABTYRE CORD	2芯キャブタイヤコード	(1.8)
22		NS-6090310-SP	NUT 9/64-40	六角ナット 9/64-40	(1)
23		NM-6050001-SC	NUT M5	六角ナット M5 X 0.8 1種	(1)
24		RC-0370411-KP	RETAINING RING	C 形止め輪	(1)
25		RE-0500000-KO	E-RING	E 形止め輪 5	(1)
26		SM-8040412-TP	SET SCREW M4 L=4	止めねじ	(1)
27		400-86354	WIPER_SHAFT_CAP	ワイパーキャップ	(1)
28		400-86351	SHOULDER_SCREW	段ねじ	(1)
29		SM-4030801-SN	SCREW M3 X 6	なべ小ねじ M3 X 0.5 L=6	(1)
30		SL-4031091-SC	SCREW M3 X 10	なべ小ねじセムス	(3)
31		WP-0320501-SC	WASHER M3	平座金 3.2 X 7 X 0.5	(1)
32		400-37500	RUBBER HOLDER	ゴム支え板	(1)
33		400-37501	STOPPER_RUBBER	ストッパーゴム	(1)
34		WP-0482086-SD	WASHER 4.8X11.5X2	平座金 4.8 X 11.5 X 2	(3)
35		229-55504	WIPER COVER	ワイパーカバー	(1)
36		400-25440	WIPER_STUD_TOP	ワイパースタッド上	1
37		SM-4040855-SP	SCREW	なべねじ	1
38		SM-4050855-SP	SCREW	なべねじ M5 L=8	1
39		WP-0450801-SP	WASHER	平座金	1
40		WP-0531001-SC	WASHER	平座金みがき丸 M5	1
41	#01	400-76294	WIPER_SHAFT_CAP	ワイパーキャップ	1
42	#01	B2107-210-D0B	WIPER	下払いワイパー	1
		NOTE(注記)	#01...OPTIONAL PARTS	オプション部品	

11. TENSION RELEASE & THREAD TENSION COMPONENTS

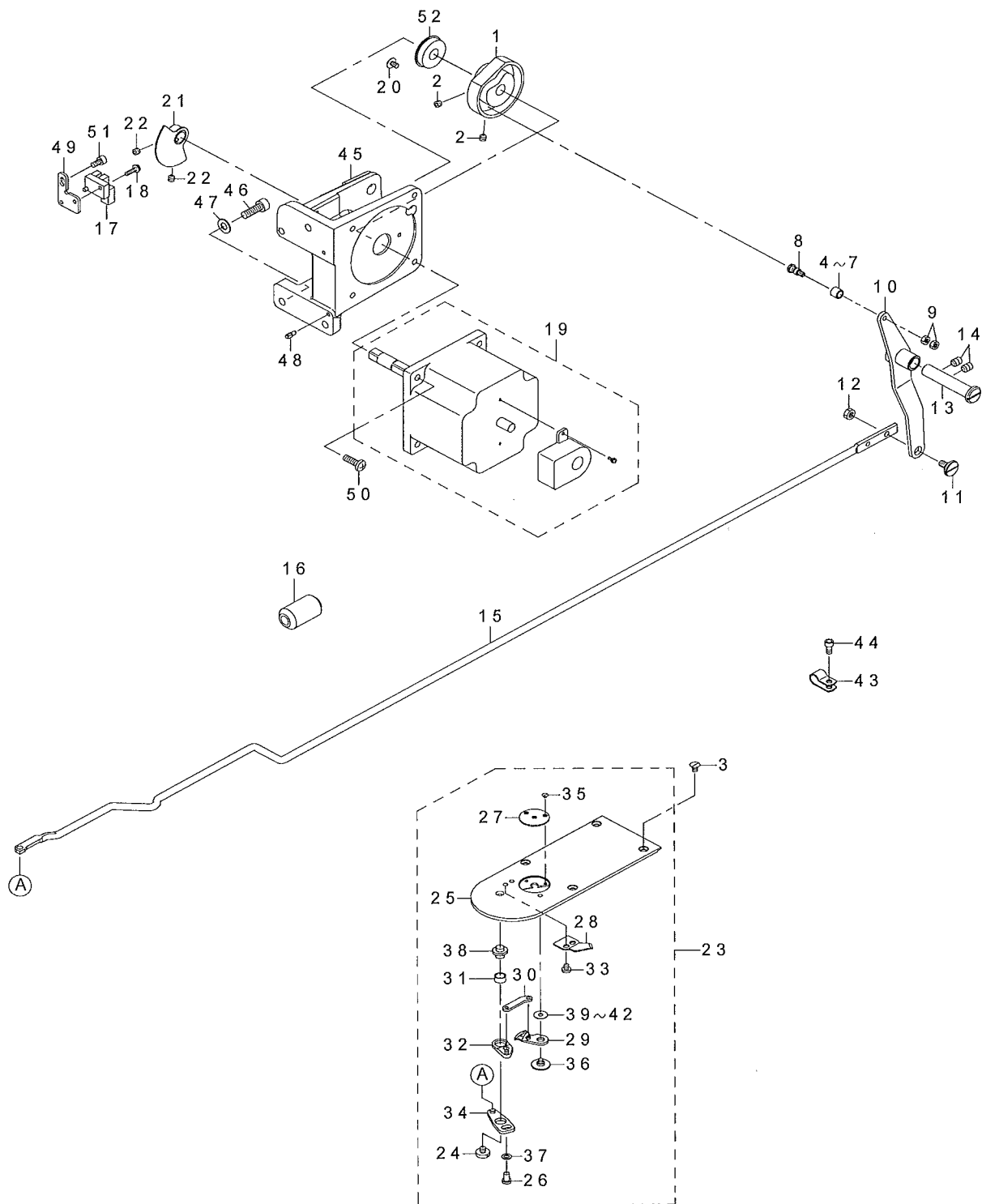
糸ゆるめ・糸調子関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-73660	AT SOLENOID	A T ソレノイド	1
2		SM-6040802-TP	SCREW M4X0.7 L=8	六角穴ボルト	4
3		RE-0900000-K0	E-RING 9	E 形止め輪 9	1
4		400-06625	SPRING	A T ソレノイド戻しばね	1
5		400-06617	AT_SOL_PIN	A T ソレノイドピン	1
6		400-10477	AT_SOL_COLLAR	A T ソレノイドストッパーカラー	1
7		SM-8030412-TP	SCREW	止めねじ M3 L=4	2
8		400-10479	AT_PLATE	A T ソレノイド取付板	1
9		SM-6040802-TP	SCREW M4X0.7 L=8	六角穴ボルト	2
10		WP-0430801-SC	WASHER 4.3X9X0.8	平座金 4.3 X 9 X 0.8	2
11		400-32343	AT_DRIVE_LINK_F_ASM	A T 駆動リンク前組	1
12		400-23993	AT_PIVOT_BASE(F)	A T 駆動リンク前支点台	1
13		SM-6040860-TP	SCREW M4 L=8	平ねじ M4 L=8	2
14		400-32345	AT_DRIVE_LINK_R_ASM	A T 駆動リンク後ろ組	1
15		400-23999	AT_PIVOT_BASE(R)	A T 駆動リンク後ろ支点台	1
16		SM-6040802-TP	SCREW M4X0.7 L=8	六角穴ボルト	2
17		400-10487	AT_PIVOT_SCREW	A T 駆動リンク支点ねじ	2
18		NM-6040003-SC	NUT M4	六角ナット M4	2
19		400-10489	AT_PIVOT_SCREW_WASHER	A T 駆動リンク支点ねじ座金	4
20		400-10490	AT_PIVOT_BEARING	A T ク駆動リンク支点ベアリング	2
21		400-10497	AT_JOINT	A T 駆動継ぎ手	2
22		400-10498	AT_JOINT_BEARING	A T 駆動継ぎ手ベアリング	2
23		400-10489	AT_PIVOT_SCREW_WASHER	A T 駆動リンク支点ねじ座金	2
24		400-10499	AT_JOINT_NUT	A T 駆動継ぎ手ナット	2
25		400-06622	AT_SNAP_PIN	まつばピン	2
26		400-72111	AT CONNECTION BAR	A T 連結棒	1
27		400-10503	THREAD_TENSION_1_ASM.	第一糸調子組	1
28		229-28808	NUT	糸調子ナット	(1)
29		229-21506	THREAD TENSION DISK	糸調子皿	(2)
30		400-10504	THREAD_TENSION_SHAFT	糸調子軸	(1)
31		262-18602	FIRST THREAD TENSION SPRING	第一糸調子ばね	(1)
32	#01	400-29411	THREAD_TENSION_2_ASM_H	第二糸調子組	1
33		400-10523	POST_BASE_C_RING	糸調子ストッパー C リング	(1)
34		400-10509	TENSION RELEASE PIN	糸緩めピン	(1)
35		400-10510	THREAD_TENSION_POST_BASE	糸調子台	(1)
36		400-10511	DISK_STOPPER_HOLDER_CAP	糸調子キャップ	(1)
37		400-10512	THREAD_TENSION_SHAFT_COLLAR	糸緩めピン調節カラー	(1)
38		400-10513	DISK_STOPPER_SPRING	糸調子皿戻しばね	(3)
39		400-10514	DISK_STOPPER	糸調子皿押え板	(1)
40		400-10515	ASSY_THREAD_TENSION_POST	糸調子棒組	(1)
41		400-10478	AT_SOL_COLLAR_SCREW	A T ソレノイドストッパーカラー止めねじ	(1)
42	☆	#01 400-29412	THREAD_TAKE-UP_SPRING_H	糸取りばね	(1)
43		400-10521	HOLD_CAP_SCREW	糸調子キャップ止めねじ	(3)
44		400-10522	SHAFT_NUT	糸緩めピン調節カラー止めナット	(1)
45		WP-0510516-SD	WASHER 5.1X7.5X0.5	平座金 5.1 X 7.5 X 0.5	2
46		BT228-232-000	OIL FELT	油締めフェルト	2
47		SM-8061612-TP	SCREW M6X16	止めねじ M6 L=16	1
		NOTE(注記)	#01.....TYPE H	H 仕様	

12. THREAD TRIMMER MECHANISM COMPONENTS

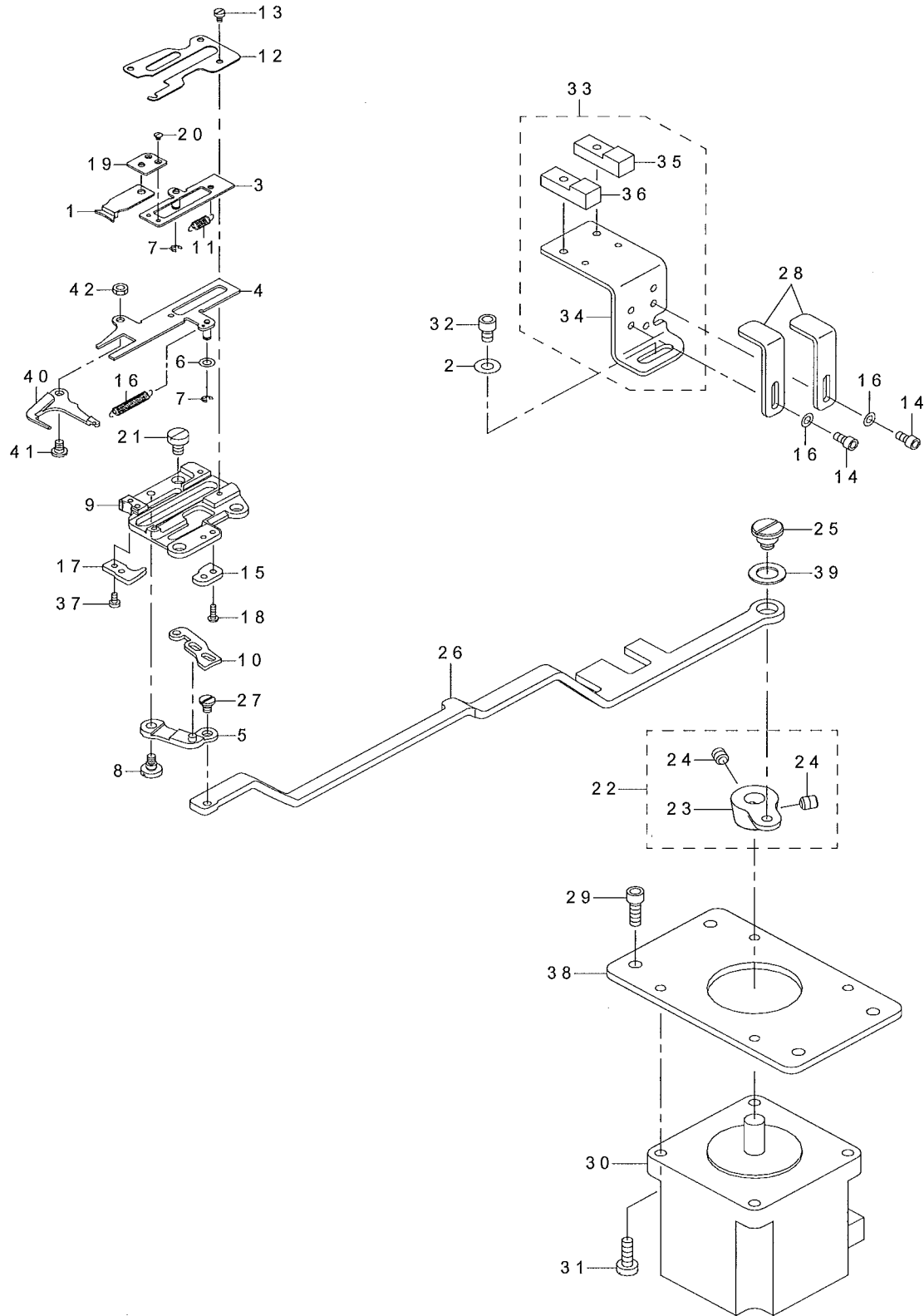
糸切り関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-30936	THREAD_TRIMMER_CAM	糸切りカム	1
2		SM-8050592-TP	SCREW	止めね M 5 L = 5	2
3		SM-1040650-TP	SCREW	皿ねじ M 4 L = 6	4
4	#01	235-17501	NEEDLE CAM ROLLER A	針振りカムコロ A	1
5	#01	235-17600	NEEDLE CAM ROLLER B	針振りカムコロ B	1
6	#01	235-17709	NEEDLE CAM ROLLER C	針振りカムコロ C	1
7	#01	235-17808	NEEDLE CAM ROLLER D	針振りカムコロ D	1
8		400-40256	ROLLER_SHAFT	カムコロ軸	1
9		NM-6040001-SP	NUT M4X0.7	六角ナット M 4 X 0. 7 1種	2
10		400-72228	THREAD_TRIMMER_LINK_ASM	糸切りリンク組	1
11		SD-0800327-TP	SHOULDER SCREW	段ねじ D = 8 H = 3. 2	1
12		NM-6050001-SP	NUT M5	六角ナット M 5 X 0. 8 1種	1
13		400-23624	THREAD_TRIMMER_SHAFT	糸切りリンク軸	1
14		SM-8060812-TP	SCREW M6 L=8	止めねじ M 6 L = 8	2
15		400-72107	THREAD TRIMMER CONNECTING BAR	糸切り連結棒	1
16	#03	HN-0028400-00	CORES	フェライトコア	1
17		HD-0005700-0A	PHOTO SENSOR	フォトセンサー	1
18		SL-4031091-SC	SCREW M3 X 10	なべ小ねじセムス	1
19		401-03968	ENCODER MOTOR ASM.(TC)	エンコーダモータ組 (糸切り)	1
20		SM-6040650-TP	SCREW	平ねじ M 4 L = 6	1
21		400-06666	SENSOR_SLIT_ASM	センサースリット組	1
22		SM-8050592-TP	SCREW	止めねじ M 5 L = 5	2
23	#02	400-30933	NEEDLE_PLATE_H_ASM.	H仕様針板組	1
24		SS-6110430-TP	SCREW 11/64-40 L= 4.0	平ねじ 11/64-40 L = 4	(1)
25		400-30934	NEEDLE_PLATE	針板	(1)
26		SS-7110740-TP	SCREW 11/64-40 L=7	丸平ねじ 11/64-40 L = 7	(1)
27 ☆	#02	B2426-210-00B	NEEDLE HOLE GUIDE D=2.0	針穴ガイド	(1)
28 ☆		B2424-210-000	COUNTER KNIFE	固定メス	(1)
29 ☆		B2421-210-AA0	MOVING KNIFE COMPL.	動メス結合	(1)
30		B2418-280-000	MOVING KNIFE LINK	動メスリンク	(1)
31		B2416-280-000	THREAD CUTTING LEVER RING	糸切りレバーリング	(1)
32		B2415-280-0A0	THREAD CUTTER LEVER ASM., SMALL	糸切りレバー (小) 組	(1)
33		SS-7090410-SP	SCREW 9/64-40 L= 3.5	丸平ねじ 9/64-40 L = 3. 5	(2)
34		B2414-280-0A0	THREAD CUTTER LEVER ASM., LARGE	糸切りレバー (大) 組	(1)
35 ☆		SS-1060210-TP	SCREW 3/32-56 L=2.2	皿ねじ 3/32-56 L = 2. 2	(2)
36		B2417-210-000	MOVING KNIFE HINGE SCREW	動メス段ねじ	(1)
37		WP-0450846-SP	WASHER	平座金	(1)
38		B2417-280-000	THREAD CUTTER LEVER SHAFT	糸切りレバー軸	(1)
39	#01	B2423-280-00D	MOVING KNIFE WASHER D	動メス座金 D	(1)
40	#01	B2423-280-00B	MOVING KNIFE WASHER B	動メス座金 B	(1)
41	#01	B2423-280-00A	MOVING KNIFE WASHER A	動メス座金 A	(1)
42	#01	B2423-280-00C	MOVING KNIFE WASHER C	動メス座金 C	(1)
43		HX-0015000-0C	CABLE CLIP	束線パーツ	1
44		SM-6040802-TP	SCREW M4X0.7 L=8	六角穴ボルト	1
45		400-72211	MOTOR_BASE	モータ取付台	1
46		SM-6061802-TP	SCREW M6 L=18	六角穴ボルト	3
47		WP-0651001-SC	WASHER	平座金	3
48		B1816-215-P00	GUIDE PIN	中金押えガイドピン	2
49		400-10443	SENSOR_INSTALLING_BASE	押え上げセンサー取付板	1
50		SM-4051655-SP	SCREW M5 L=16	なべねじ M 5 L = 1 6	4
51		SM-6040802-TP	SCREW M4X0.7 L=8	六角穴ボルト	1
52		SB-1100024-00	BEARING	ころがり軸受	1
		NOTE(注記)	#01....SELECTIVE PARTS	選択部品	
			#02....TYPE H	H仕様	
			#03....FOR JE	JE用	

13. THREAD CLAMP COMPONENTS

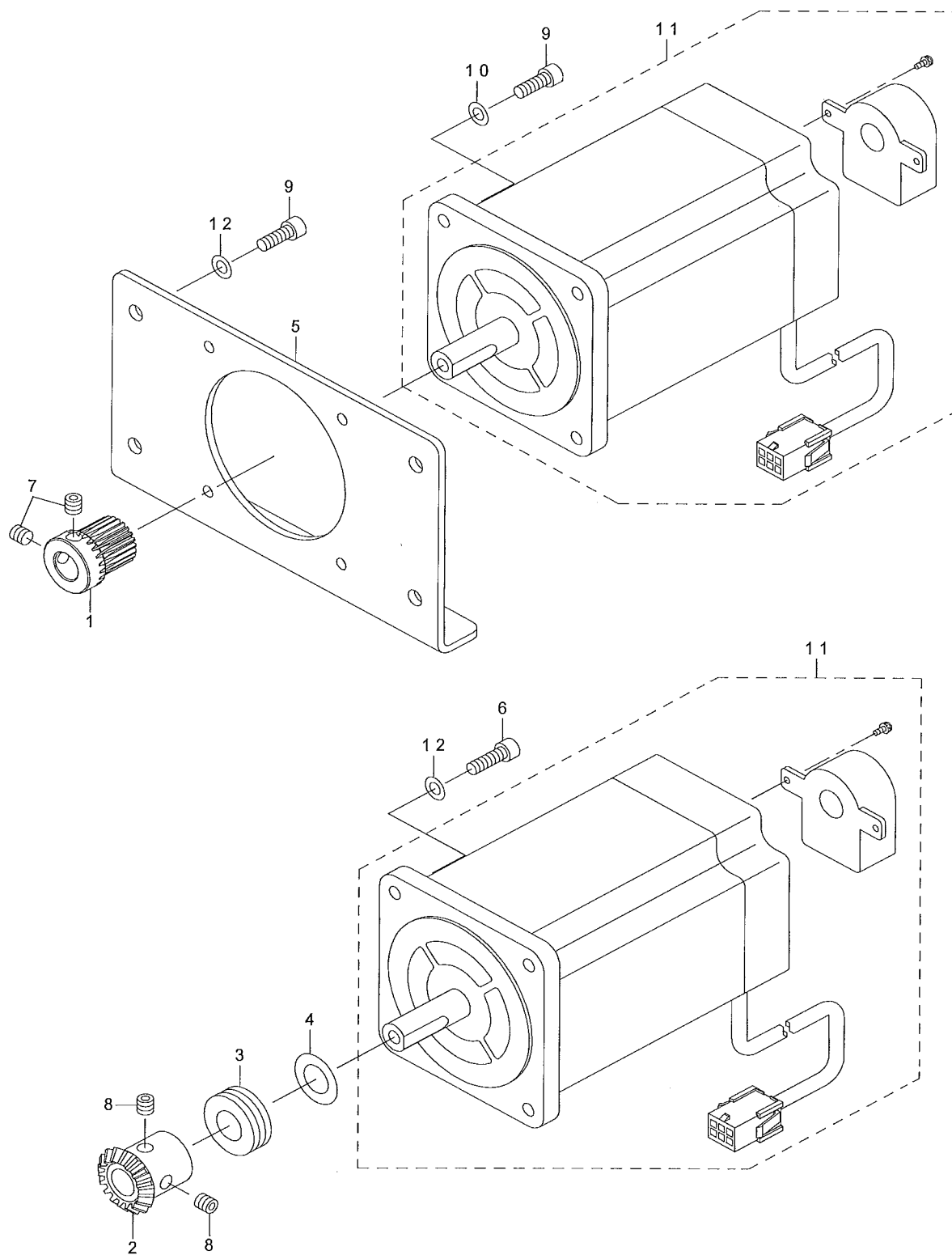
糸挿み関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-06761	TC_CLAMP	糸掴み	1
2		WP-0450801-SP	WASHER	平座金	1
3		400-76233	TC_CLAMP_PLATE_ASM	糸掴み板組	1
4		400-76238	TC_SUPPORT_PLATE	糸掴み支え板	1
5		400-15800	TC_LINK_ASM.	糸掴みリンク (組)	1
6		WP-0320500-SC	WASHER M3	平座金小形丸 M3	2
7		RE-0200000-K0	E-RING	E 形止め輪 2	2
8		SD-0400266-TP	SHOULDER SCREW	段ねじ D=4 H=2.6	1
9		400-76237	TC_BASE	糸掴み土台	1
10		400-10590	TC_CAM_PLATE	糸掴みカム板	1
11		400-06780	TC_SPRING	糸掴みばね	1
12		400-76236	TC_BASE_COVER	糸掴み土台カバー	1
13		SM-6020350-SP	SCREW M2 L=2.5	平ねじ M2 L=2.5	4
14		SM-6030602-TP	SCREW M3X0.5 L=6	六角穴ボルト M3 X 0.5 L=6	4
15		400-30943	TC_NOTCH_R_H	糸掴みノッチ R_H	1
16		400-76232	TC_OPEN_SPRING	糸掴み開放板戻しばね	1
17		400-30942	TC_NOTCH_F_H	糸掴みノッチ F_H	1
18		SM-4020600-SP	SCREW M2 L=6	なべ小ねじ M2 L=6	2
19		400-12815	TC_JOINT_ASM	糸掴み榫手 (組)	1
20		SM-2360110-TP	SCREW	丸皿ねじ M1.6 X 0.2 L=1.35	2
21		SM-6040650-TP	SCREW	平ねじ M4 L=6	3
22		400-10527	TC_DRIVING_ARM_ASM.	糸掴み板駆動腕組	1
23		400-10528	TC_DRIVING_ARM	糸掴み板駆動腕	(1)
24		400-11152	TC_ARM_SCREW	糸掴み板駆動腕ねじ	(2)
25		SD-0800407-TP	SHOULDER SCREW	段ねじ D=8 H=4	1
26	*	401-11145	TC_CONNECTING_LINK_EN	糸掴み連結リンク	1
27		SD-0350156-TP	SHOULDER SCREW	段ねじ D=3.5 H=1.5	1
28		400-72225	CONNECTING_LINK_SUPPORT	糸掴み連結リンク支え板	2
29		SM-6041202-TP	SCREW M4X0.7 L=12	六角穴ボルト	3
30		400-75079	STEPPING MOTOR	ステッピングモータ	1
31		SM-6041202-TP	SCREW M4X0.7 L=12	六角穴ボルト	4
32		SM-6040602-TP	SCREW M4 L=6	六角穴ボルト M4 X 0.7 L=6	1
33		400-73674	TH SENSOR ASM	糸掴み板センサー組	1
34		400-72109	TC SENSOR INSTALLING PLATE	糸掴みセンサー取付板	(1)
35		HD-0020400-0A	SENSOR	センサー	(1)
36		HD-0020400-0B	SENSOR	センサー	(1)
37		SM-6020450-TP	SCREW	平ねじ	2
38		400-72110	THREAD HOLD MOTOR INSTALLING PLATE	糸掴みモーター取付板	1
39		GBR-0118500A	WASHER	補助ワッシャー	1
40		400-76239	TC_OPEN_PLATE	糸掴み開放板	1
41		SD-0350156-TP	SHOULDER SCREW	段ねじ D=3.5 H=1.5	1
42		NM-6030003-SC	NUT M3	六角ナット M3	1

16. X-Y COMPONENTS (3)

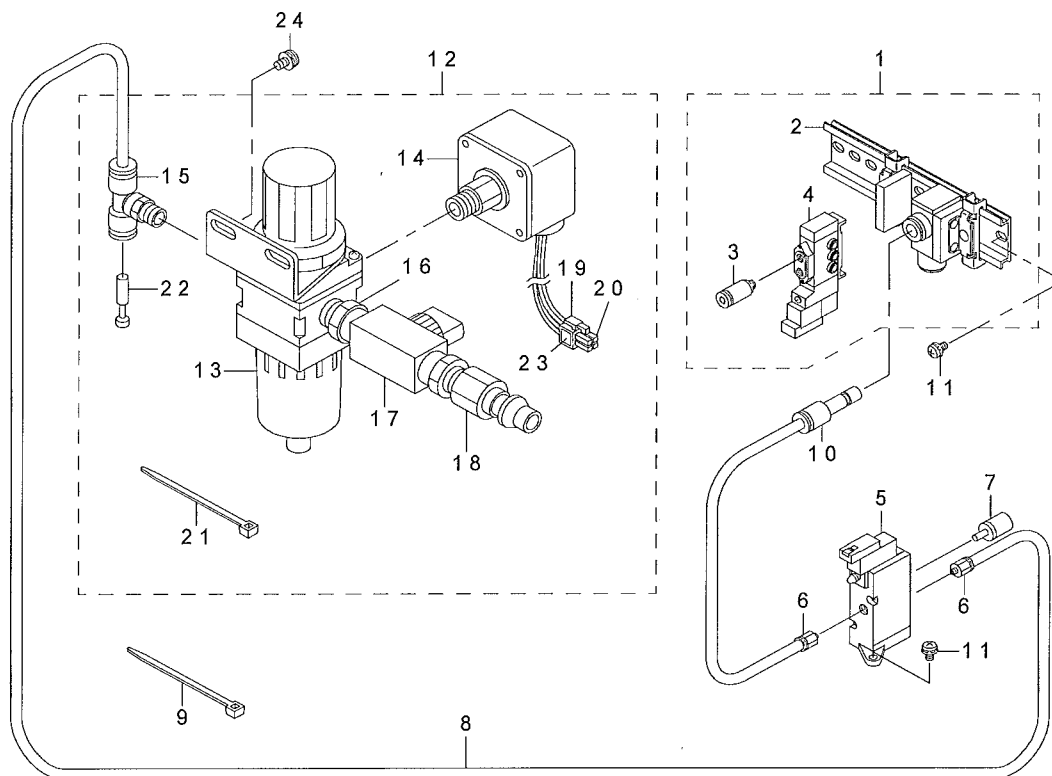
X - Y 関係 (3)



REF.NO	NOTE PART NO	DESCRIPTION	品 名	Qty
1	B2525-223-C00	X DRIVE WHEEL	X 駆動歯車	1
2	B2526-223-C00	Y DRIVE WHEEL	Y 駆動歯車	1
3	SB-4120001-00	BEARING	ころがり軸受	1
4	B2537-221-D00	Y DRIVE WHEEL SPACER	Y 駆動歯車スペーサ	3
5	400-72155	X MOTOR INSTALLING PLATE	X モータ取付板	1
6	SM-6051602-TP	SCREW M5X0.8 L=16	六角穴ボルト M 5 X 0. 8 L = 1 6	4
7	SM-8060602-TP	SCREW M6X6	止めねじ M 6 L = 6	2
8	SM-8060602-TP	SCREW M6X6	止めねじ M 6 L = 6	2
9	SM-6051402-TP	SCREW M5X0.8 L=14	六角穴ボルト	8
10	WP-0531000-SD	WASHER M5	平座金小形丸 M 5	4
11	401-04419	ENCODER MOTOR ASM.(X-Y)	エンコーダモータ組 (X - Y)	2
12	WP-0531000-SD	WASHER M5	平座金小形丸 M 5	8

18. PNEUMATIC COMPONENTS

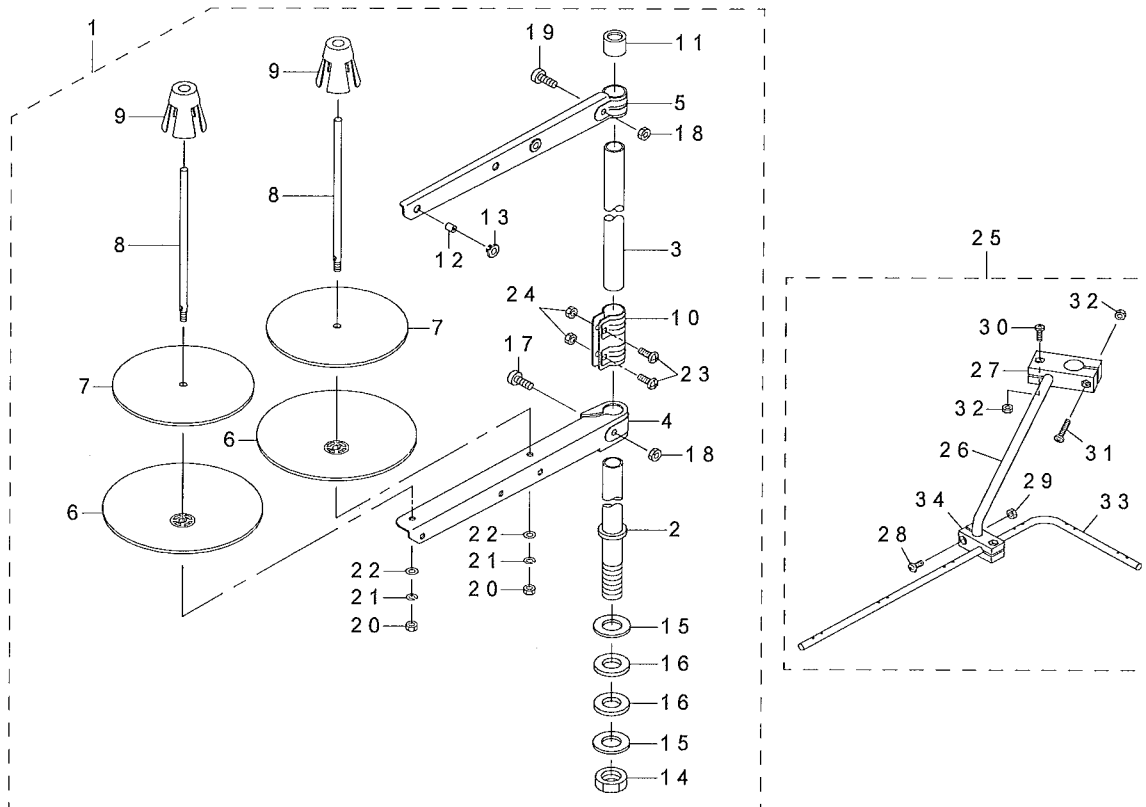
エア関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-72220	SOLENOID_VALVE_ASM	電磁弁組	1
2		PV-9150050-00	SOLENOID VALVE INSTALLING BASE	電磁弁取付ベース	(1)
3		PJ-3010405-05	HALF UNION	ハーフユニオン	(2)
4		PV-1502091-00	SOLENOID VALVE	電磁弁	(1)
5		PV-1351270-A0	3-WAY SOLENOID VALVE	3ポート電磁切替弁	1
6		PJ-3010651-03	HALF UNION 6XPT1/8	ハーフユニオン	2
7		PX-0551040-00	SILENCER (PT1/8)	サイレンサ	1
8		BT-0600401-EB	TUBE	チューブ	1.1
9		EA-9500B01-00	CABLE BAND	束線バンド	1
10		PJ-3010600-03	REDUCER	レデューサ	1
11		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M4 L=8	4
12		B4715-215-0A0	FILTER REGULATOR ASM.	フィルタレギュレータ組	1
13		PF-0552040-B0	FILTER REGULATOR	フィルタレギュレータ	(1)
14		G8124-270-000	AIR PRESSUE SWITCH	圧力スイッチ	(1)
15		PJ-3050652-02	TEE	両口ティー	(1)
16		PJ-0305200-01	RING JOINT (NIPPLE)	管継ぎ手 (ニップル)	(1)
17		G5430-116-000	AIR COCK	エアコック	(1)
18		PJ-3090052-03	QUICK JOINT PLUG	ワンタッチジョイントプラグ	(1)
19		HK-0346100-40	HOUSING	ハウジング	(1)
20		HK-0346400-00	PIN CONTACT	ピン ターミナル	(3)
21		EA-9500B01-00	CABLE BAND	束線バンド	(5)
22		PX-9500090-00	PLUG	プラグ	(1)
23		E2678-453-000	CONNECTOR MARKER J78	コネクタマーカ J 78	(1)
24		SL-4051091-SC	SCREW M5X0.8 L=10	なべ小ねじセムス M5 X 0.8 L=10	2

19. THREAD STAND COMPONENTS

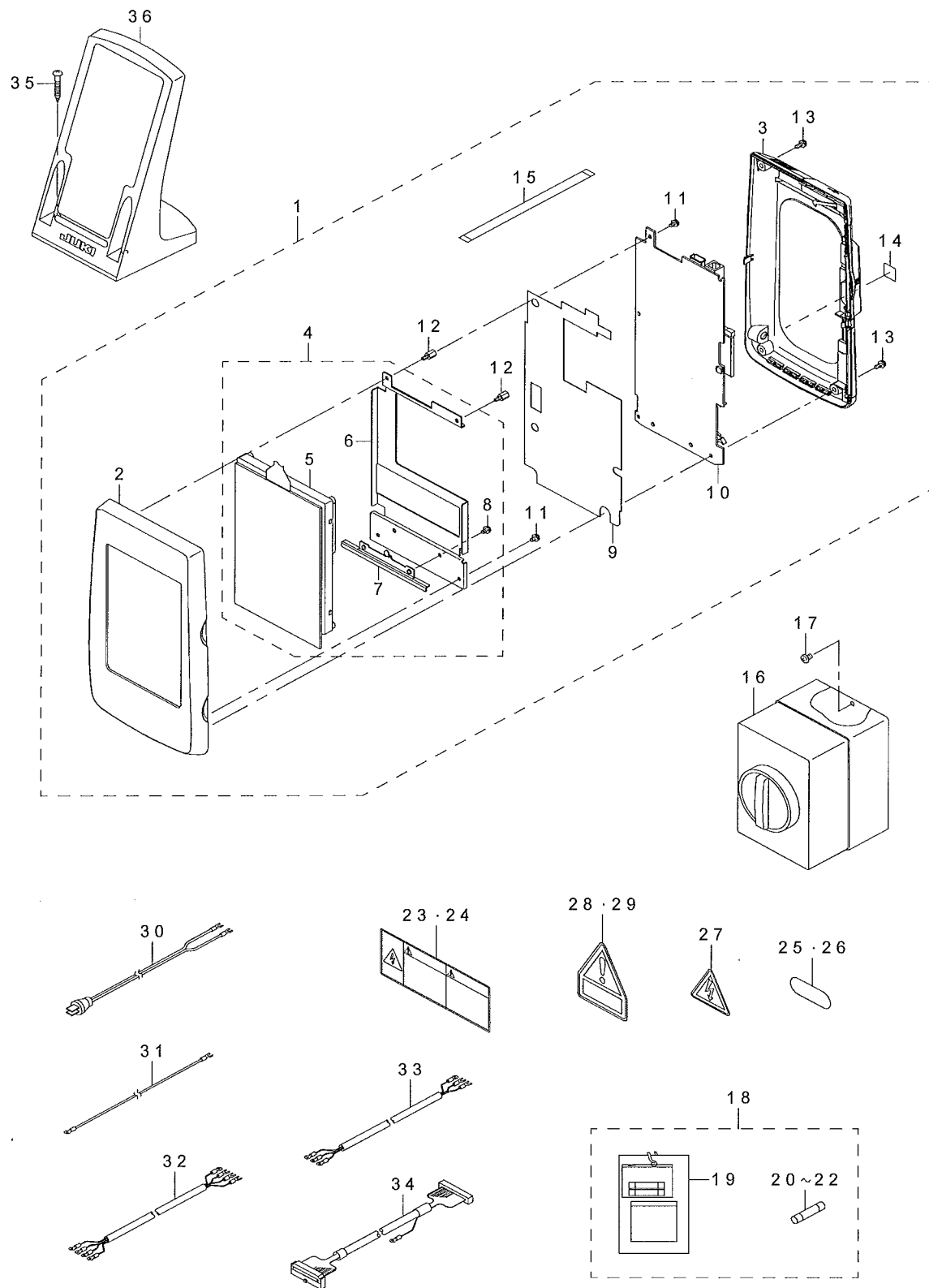
糸立装置関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-96354	THREAD STAND ASM.	糸立装置 (組)	1
2		400-85784	SPOOL REST ROD LOWER	糸立棒 (下)	(1)
3		400-85785	SPOOL REST ROD UPPER	糸立棒 (上)	(1)
4		400-85786	SPOOL REST ARM LOWER	糸立腕 (下)	(1)
5		400-85787	SPOOL REST ARM UPPER	糸立腕 (上)	(1)
6		400-85788	SPOOL REST	糸巻受皿	(2)
7		400-85789	SPOOL REST CUSHION	糸巻受皿クッション	(2)
8		400-85790	SPOOL PIN	糸巻受棒	(2)
9		400-85791	SPOOL RETAINER	糸巻振り止め	(2)
10		400-85792	SPOOL REST ROD JOINT	糸立棒継手	(1)
11		400-85793	SPOOL REST ROD RUBBER CAP	糸立棒保護キャップ	(1)
12		400-85794	THREAD GUIDE	糸道	(2)
13		400-85795	THREAD GUIDE BUSHING	糸道ブッシュ	(2)
14		400-96325	SPOOL REST ROD NUT	糸立棒止ナット	(1)
15		WP-1612616-SE	WASHER 16X30X2.6	平座金	(2)
16		400-85796	SPOOL REST ROD RUBBER CUSHION	糸立棒防振ゴム	(2)
17		400-96326	SPOOL REST ARM LOWER SCREW	糸立腕 (下) 止めねじ	(1)
18		NM-6050001-SE	NUT M5	六角ナット M 5	(2)
19		400-96327	SPOOL REST ARM UPPER SCREW	糸立腕 (上) 止めねじ	(1)
20		NM-6050001-SE	NUT M5	六角ナット M 5	(2)
21		WS-0510002-KN	SPRING WASHER M5	ばね座金 M 5	(2)
22		WP-0531001-SC	WASHER M5	平座金みがき丸 M 5	(2)
23		SM-4051405-SE	SCREW M5 L=14	なべ小ねじ M 5 L = 14	(2)
24		NM-6050001-SE	NUT M5	六角ナット M 5	(2)
25		269-10059	THREAD GUIDE ARM ASM.	糸立糸案内腕 (組)	1
26		131-68109	THREAD GUIDE ARM BASE	糸立糸案内腕	(1)
27		131-68208	THREAD GUIDE ARM BASE	糸立糸案内腕台	(1)
28		SM-4041001-SC	SCREW M4X0.7 L=10	なべ小ねじ M 4 X 0. 7 L = 10	(2)
29		NM-6040002-SE	NUT M4X0.7	六角ナット M 4 X 0. 7 2種	(2)
30		SM-4041201-SC	SCREW M4 L=12	なべ小ねじ M 4 L = 12	(1)
31		SM-4042001-SC	SCREW M4 X 20	なべ小ねじ M 4 X 0. 7 L = 20	(1)
32		NM-6040002-SE	NUT M4X0.7	六角ナット M 4 X 0. 7 2種	(2)
33		131-67903	THREAD STANDING THREAD GUIDE	糸立糸案内	(1)
34		131-68000	THREAD GUIDE BASE, LOWER	糸立糸案内 (下) 台	(1)

20. OPERATION PANEL COMPONENTS

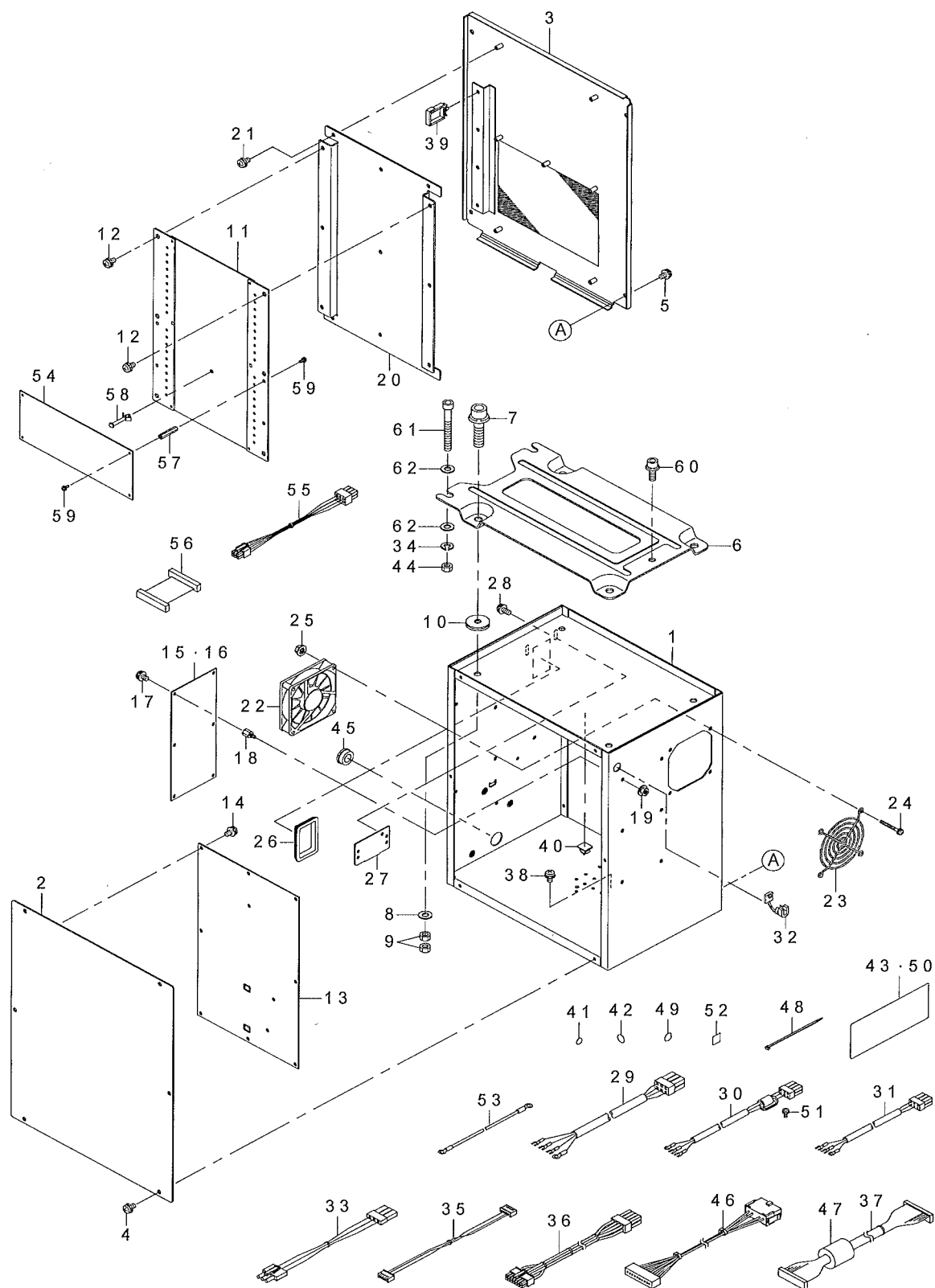
操作パネル関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-86485	IP-420F PANEL ASSY	IP-420F パネル組	1
2		400-78163	FRONT_CASE	前面ケース	(1)
3		400-80799	REAR_CASE_ASSY	リアパネル組	(1)
4		400-80800	LCD_ASSY	LCD 組	(1)
5		400-86541	LCD TOUCH PANEL ASSY	LCD タッチパネル組	(1)
6		400-83668	LCD_BRACKET	LCD ブラケット	(1)
7		400-83666	LCD_STAY	LCD 支え板	(1)
8		SL-4030681-SC	SCREWM3 L=6	座金付きなべ小ねじ M3 L=6	(2)
9		400-78168	INSULATION_SHEET	絶縁シート	(1)
10		400-83960	PANEL PCB ASSY	パネル基板組	(1)
11		SL-4030681-SC	SCREWM3 L=6	座金付きなべ小ねじ M3 L=6	(3)
12		HX-0035400-0B	PCB SUPPORT L=8MM	スペーサー	(2)
13		SL-4030881-SC	SCREWM3X8	なべ小ねじセムス M3 X 0.5 L=8	(4)
14		CM-6001001-01	WEEE MARK LABEL S	WEEE マーク ラベル S	(1)
15		HW-0021802-00	FLAT CABLE	フラットケーブル	(1)
16		HA-0058200-00	SWITCH	スイッチ	1
17		SL-4041091-SE	SCREWM4 L=10	座金付きねじ	2
18		400-74051	OPTION A ASSY	オプション A 組	1
19		M3004-511-00A	VOLTAGE INDICATION CARD,A	電圧表示札 A	(1)
20		HF-0013031-5S	FUSE 3.15A 250V REF. NO.112	ヒューズ (3.15 A)	(1)
21		HF-0030002-00	FUSE 2A (220/240V)	即断ヒューズ	(1)
22		HF-0013050-P0	FUSE 5A	ヒューズ 5 A	(1)
23	#01	CM-3001004-01	LABEL 3 (LARGE)	電源危険ラベル3 (大)	1
24	#02	CM-3001004-01	LABEL 3 (LARGE)	電源危険ラベル3 (大)	1
25	#01	BME-01100000	VOLTAGE INDICATION SEAL	電圧表示シール 単相100V	1
26	#02	BME-03200000	VOLTAGE INDICATION SEAL	電圧表示シール 三相200V	1
27	#03	CM-3001000-03	VOLTAGE WARNING LABEL(25)	危険電圧警告シール (25)	1
28	#02	CM-3004007-01	VOLTAGE CAUTION LABEL	電圧注意シール	1
29	#03	CM-3004006-01	VOLTAGE CAUTION LABEL	電圧注意シール	1
30	#01	400-86468	POWER CABLE 1P PLUG ASSY	電源コード1P プラグ組	1
31	#01	M9034-580-0A0	GROUND CORD ASM.	100V 用アースコード組	1
32	#02	400-96034	POWER CABLE 3P ASSY	電源コード3P 組	1
33	#03	400-96035	POWER CABLE 1P ASSY	電源コード1P 組	1
34		400-96051	PANEL CABLE L ASM	パネルケーブル L 組	1
35		SK-3413201-SE	WOOD SCREW D=4.1 L=32	丸木ねじ D=4.1 L=32	2
36		400-35024	OPERATION_BOX_FIXED_PLATE(B)ASM	操作箱取付け板 (B) 組	1
	NOTE(注記)		#01....FOR USE IN JAPAN(1-PHASE)	日本 (单相) 用	
			#02....FOR USE IN JAPAN,JA	日本, JA 用	
			#03....FOR JE,GENERAL EXPORT	JE, 一般輸出入	

21. CONTROL BOX COMPONENTS

電装ボックス関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-55355	CONTROL BOX	電装ボックス	1
2		400-55356	CONTROL BOX FRONT COVER	電装ボックス前蓋	1
3		400-55357	CONTROL BOX REAR COVER	電装ボックス後ろ蓋	1
4		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M 4 L = 8	6
5		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M 4 L = 8	4
6		M3801-476-000	CONTROL BOX FITTING PLATE	電装ボックス取付板	1
7		SL-6083092-TN	SCREW	座金付き六角穴ボルト	4
8		WP-0841601-SC	WASHER 8.4X17.4X1.6	平座金みがき丸 M 8	4
9		NM-6080001-SC	NUT M8X1.25	六角ナット M 8 1種	8
10		M4206-461-000	WASHER	ゴム付き座金	4
11		401-08274	MAIN PCB C ASSY	MA I N 基板 C 組	1
12		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M 4 L = 8	6
13		400-82758	SDC PCB A ASSY	SDC キパン A 組	1
14		SL-4040881-SC	SCREW M4 L=8	座金付きなべ小ねじ M 4 L = 8	10
15	#01	400-00056	FLT-T PCB A ASSY	FL T - T 基板 A 組	1
16	#02	400-00046	FLT-S PCB A ASSY	FL T - S 基板 A 組	1
17		SL-4040881-SC	SCREW M4 L=8	座金付きなべ小ねじ M 4 L = 8	6
18		HX-0033900-00	STUD	基板パーツ	6
19		NM-3040520-SC	NUT M4	フランジ付きナット M 4	6
20		400-05706	MAIN PCB HOLDER PLATE	MA I N 基板止め板	1
21		SL-4040881-SC	SCREW M4 L=8	座金付きなべ小ねじ M 4 L = 8	5
22		400-05401	FAN MOTOR ASSY	ファンモータ組	1
23		KM-0000004-80	FAN MOTOR	フィンガーガード	1
24		SL-4043591-SC	SCREW	座金付きなべ小ねじ	4
25		NM-3040520-SC	NUT M4	フランジ付きナット M 4	4
26		HX-0040700-00	BUSH	ブッシュ	1
27		178-45009	CORD FITTING PLATE	コード止め板	1
28		SL-4041091-SC	SCREW M4 L=10	なべ小ねじセムス M 4 X 0. 7 L = 1 0	2
29	#01	400-96030	POWER CORD 3P ASSY	電装電源コード 3 P 組	1
30	#03	400-96031	POWER CORD JE ASSY	電装電源コード JE 組	1
31	#04	400-96032	POWER CORD TP ASSY	電装電源コード TP 組	1
32		HX-0041000-0A	STRAIN RELIEF BUSHING	ストレーンリリーフブッシング	1
33		400-05393	FLT-SDC CORD P ASSY	FL T - SDC コード P 組	1
34		WS-0820002-KN	SPRING WASHER M8	ばね座金 M 8	2
35		400-05394	FLT-SDC CORD S ASSY	FL T - SDC コード S 組	1
36		400-05726	SDC-MAIN CORD P ASSY	SDC - MA I N コード P 組	1
37		400-05727	SDC-MAIN CORD S ASSY	SDC - MA I N コード S 組	1
38		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M 4 L = 8	4
39		HX-0051100-00	WIRE SADDLE	ワイヤサドル	3
40		E9607-603-000	STICKER (SMALL)	ステッカー (小)	1
41		E9567-319-000	EARTH MARK	アース マーク	1
42		400-03458	MASK SEAL	マスクシール	16
43	#05	400-51640	ELECTRICAL_RATING_LABEL_UNIVERSAL	定格銘板 ユニバーサル	1
44		NM-6080001-SC	NUT M8X1.25	六角ナット M 8 1種	2
45		HX-0032600-0K	GROMMET	束線パーツ	1
46		400-73659	SW RELAY CORD ASM.	SW 中継コード組	1
47		HN-0014900-00	CLAMP FILTER(L)	クランプフィルタ	1
48		EA-9500B01-00	CABLE BAND	束線バンド	1
49	#03	CM-2001000-01	PE MARK LABEL	PE マークシール	1
50	#03	400-57278	ELECTRICAL_RATING_LABEL_CE_UNIVERSAL	定格銘板 CE ユニバーサル	1
51	#03	SL-4041081-SC	SCREW M4 L=10	なべ小ねじセムス M 4 L = 1 0	1
52	#03	CM-6001001-01	WEEE MARK LABEL S	WEEE マーク ラベル S	1
53		M9029-580-0A0	FDD EARTH CORD ASM.	FDD アース線組	1
54		400-73651	SUB PCB ASSY	SUB 基板組	1
55		400-62367	SUB-MAIN CORD P ASSY	SUB - MA I N コード P 組	1
56		400-62368	SUB-MAIN CORD S ASSY	SUB - MA I N コード S 組	1
57		HX-0041800-0E	SPACER	スペーサ	4
58		HX-0014700-0J	SPACER	基板スペーサ	1
59		SL-4030881-SC	SCREW M3X8	なべ小ねじセムス M 3 X 0. 5 L = 8	8
60		SL-6082092-TN	BOLT	座金付六角穴ボルト	1
61		SM-6087002-TN	SCREW M8 L=70	六角穴ボルト M 8 L = 7 0	2
62		WP-0841601-SC	WASHER 8.4X17.4X1.6	平座金みがき丸 M 8	4

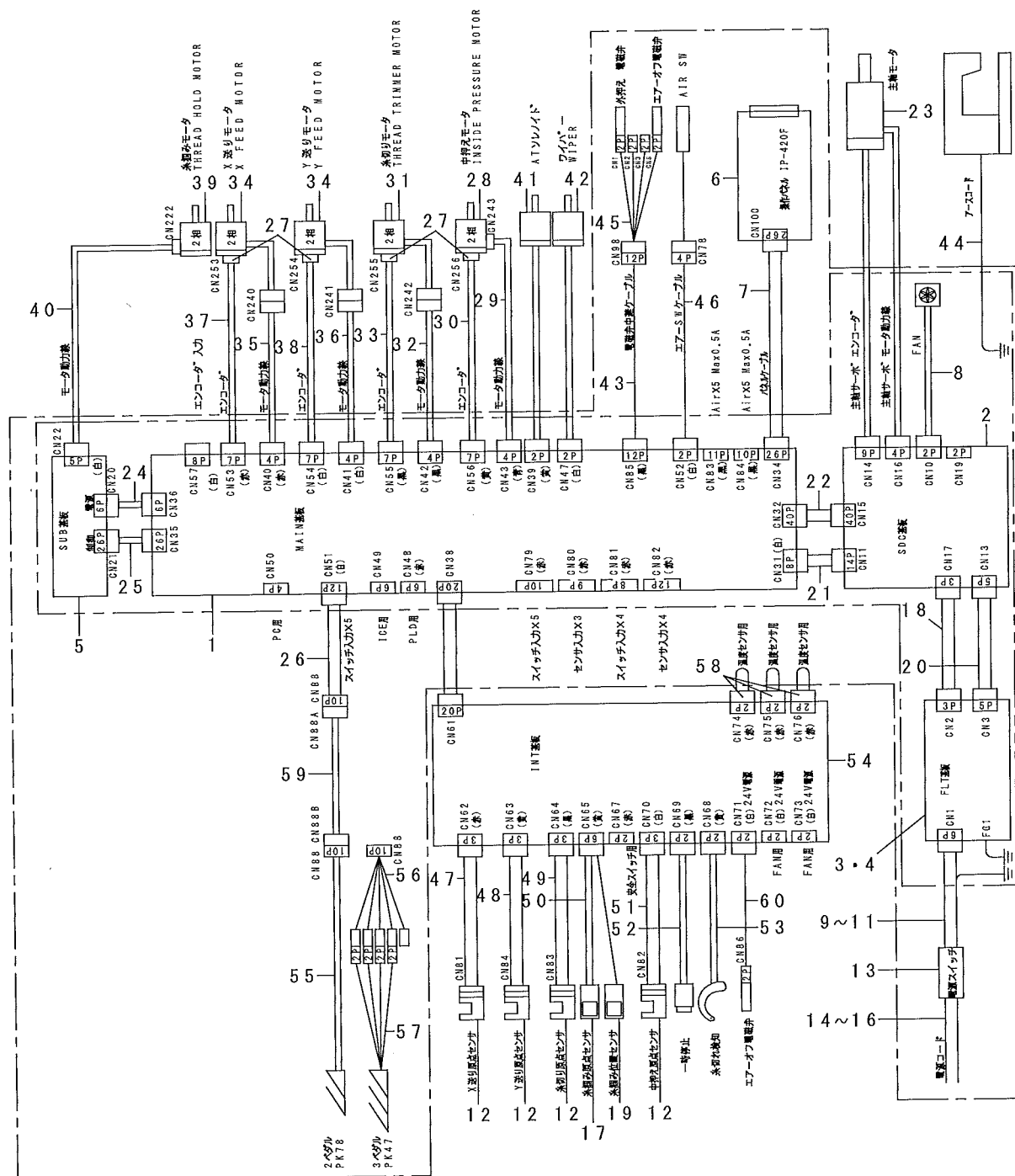
NOTE(注記)

#01....FOR USE IN JAPAN
(1-PHASE 100V, 1-PHASE 200V),
JUS(3-PHASE 200V)
#02....FOR CE, GENERAL EXPORT
#03....FOR CE
#04....GENERAL EXPORT
#05....FOR USE IN JAPAN
(1-PHASE 100V, 1-PHASE 200V),
JUS(3-PHASE 200V),
GENERAL EXPORT

日本 (単相100V, 単相200V),
JUS (三相200V) 用
CE, 一般輸出用
CE 用
一般輸出
日本 (単相100V, 単相200V),
JUS (三相200V), 一般輸出用

22. WIRING DIAGRAM

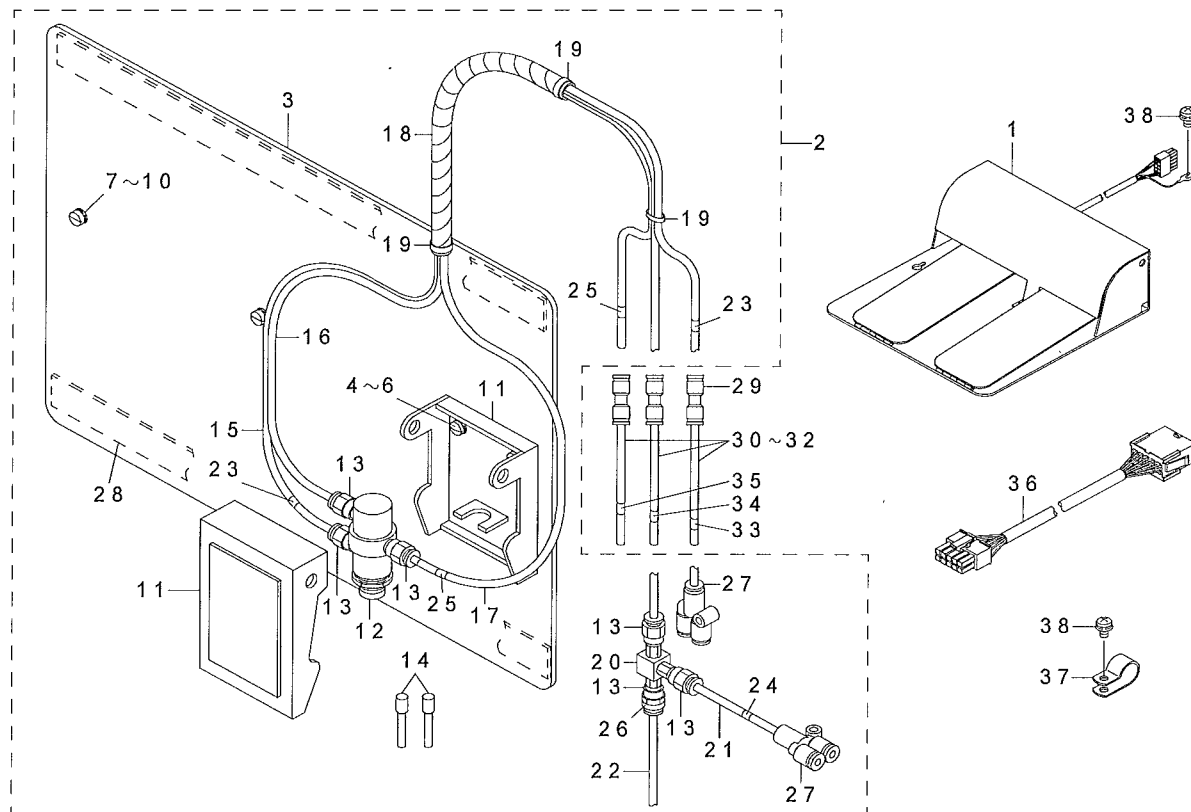
電装配線図



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		401-08274	MAIN PCB C ASSY	MAIN 基板 C 組	1
2		400-82758	SDC PCB A ASSY	SDC 基板 A 組	1
3	#01	400-00056	FLT-T PCB A ASS'Y	FLT-T 基板 A 組	1
4	#02	400-00046	FLT-S PCB A ASS'Y	FLT-S 基板 A 組	1
5		400-73651	SUB PCB ASSY	SUB 基板組	1
6		400-86485	IP-420F PANEL ASSY	IP-420F パネル組	1
7		400-96051	PANEL CABLE L ASM	パネルケーブル L 組	1
8		400-05401	FAN MOTOR ASS'Y	ファンモータ組	1
9	#01	400-96030	POWER CORD 3P ASSY	電装電源コード3 P 組	1
10	#03	400-96031	POWER CORD JE ASSY	電装電源コード J E 組	1
11	#04	400-96032	POWER CORD 1P ASSY	電装電源コード1 P 組	1
12		HD-0005700-0A	PHOTO SENSOR	フォトセンサ	3
13		HA-0058200-00	SWITCH	スイッチ	1
14	#07	400-86468	POWER CABLE 1P PLUG ASSY	電源コード1 P プラグ組	1
15	#05	400-96034	POWER CABLE 3P ASSY	電源コード3 P 組	1
16	#02	400-96035	POWER CABLE 1P ASSY	電源コード1 P 組	1
17		HD-0020400-0A	SENSOR	センサ	1
18		400-05393	FLT-SDC CORD P ASS'Y	FLT-SDC コード P 組	1
19		HD-0020400-0B	SENSOR	センサ	1
20		400-05394	FLT-SDC CORD S ASS'Y	FLT-SDC コード S 組	1
21		400-05726	SDC-MAIN CORD P ASSY	SDC-MAIN コード P 組	1
22		400-05727	SDC-MAIN CORD S ASSY	SDC-MAIN コード S 組	1
23		400-52937	550W_SERVO_MOTOR	550W サーボモータ	1
24		400-62367	SUB-MAIN CORD P ASSY	SUB-MAIN コード P 組	1
25		400-62368	SUB-MAIN CORD S ASSY	SUB-MAIN コード S 組	1
26		400-73659	SW RELAY CORD ASM	SW 中継コード組	1
27		HD-0027800-00	SENSOR	センサー	4
28	*	401-03969	ENCODER MOTOR ASM.(IP)	エンコーダモータ組 (中押え)	1
29		400-73623	IP MOTOR CABLE ASM	中押えモータケーブル組	1
30		400-73640	IP ENCODER CABLE ASM	中押えエンコーダケーブル組	1
31	*	401-03968	ENCODER MOTOR ASM.(TC)	エンコーダモータ組 (糸切り)	1
32		400-73622	TT MOTOR CABLE ASM	糸切りモータケーブル組	1
33		400-73639	TT ENCODER CABLE ASM	糸切りエンコーダケーブル組	1
34	*	401-04419	ENCODER MOTOR ASM.(X-Y)	エンコーダモータ組 (X-Y)	2
35		400-73620	X MOTOR CABLE ASM	X モータケーブル組	1
36		400-73621	Y MOTOR CABLE ASM	Y モータケーブル組	1
37		400-73632	X ENCODER CABLE ASM	X エンコーダケーブル組	1
38		400-73638	Y ENCODER CABLE ASM	Y エンコーダケーブル組	1
39		400-75079	STEPPING MOTOR	ステッピングモータ	1
40		400-73626	TH MOTOR CABLE ASM	糸掴みモータケーブル組	1
41		400-73660	AT SOLENOID	AT ソレノイド	1
42		400-72151	WIPER ASM	ワイパー組	1
43		401-08280	AIR RELAY CABLE ASM	エア中継ケーブル組	1
44		141-15554	HEAD GROUND CABLE A ASM.	頭部アースケーブル A 組	1
45		400-48529	VALVE RERAY CORD ASM	電磁弁中継コード組	1
46		400-75391	AIR SW CABLE ASM	エアスイッチケーブル組	1
47		400-73671	X SENSOR CABLE ASM	X センサケーブル組	1
48		400-73672	Y SENSOR CABLE ASM	Y センサケーブル組	1
49		400-40238	PF_SENSOR_CABLE_ASM	糸切り原点センサケーブル組	1
50		400-73674	TH SENSOR ASM	糸掴みセンサ組	1
51		400-73675	IP_SENSOR_CABLE_ASM.	中押え可変センサケーブル組	1
52		400-73676	STOP SW ASM	一時停止スイッチ組	1
53		400-73678	THB SENSOR CABLE ASM	糸切れセンサケーブル組	1
54		400-40230	INT PCB ASM	INT 基板組	1
55		400-33831	PK78 PEDAL SWITCH ASM	PK 78 ペダルスイッチ組	1
56	#06	400-33875	PK47 RELAY CABLE ASM	PK 47 中継ケーブル組	1
57	#06	GPX-470010AB	3-PEDAL ASM.	3連ペダル組	1
58		400-40237	SHORT CONNECTOR	ショート コネクタ	3
59		401-11079	PEDAL EXTENSION CABLE ASM.	ペダル延長ケーブル組	1
60	*	400-90484	VALVE CORD ASM.	電磁弁コード組	1
		NOTE(注記)	#01....FOR 1-PHASE/3-PHASE #02....FOR CE,GENERAL EXPORT #03....FOR CE #04....GENERAL EXPORT #05....FOR 3-PHASE #06....OPTIONAL PARTS #07....FOR USE IN JAPAN (1-PHASE 100V)	単相/三相用 CE, 一般輸出 CE 用 一般輸出 三相用 オプション部品 日本 (単相100V) 用	

24. PEDAL COMPONENTS

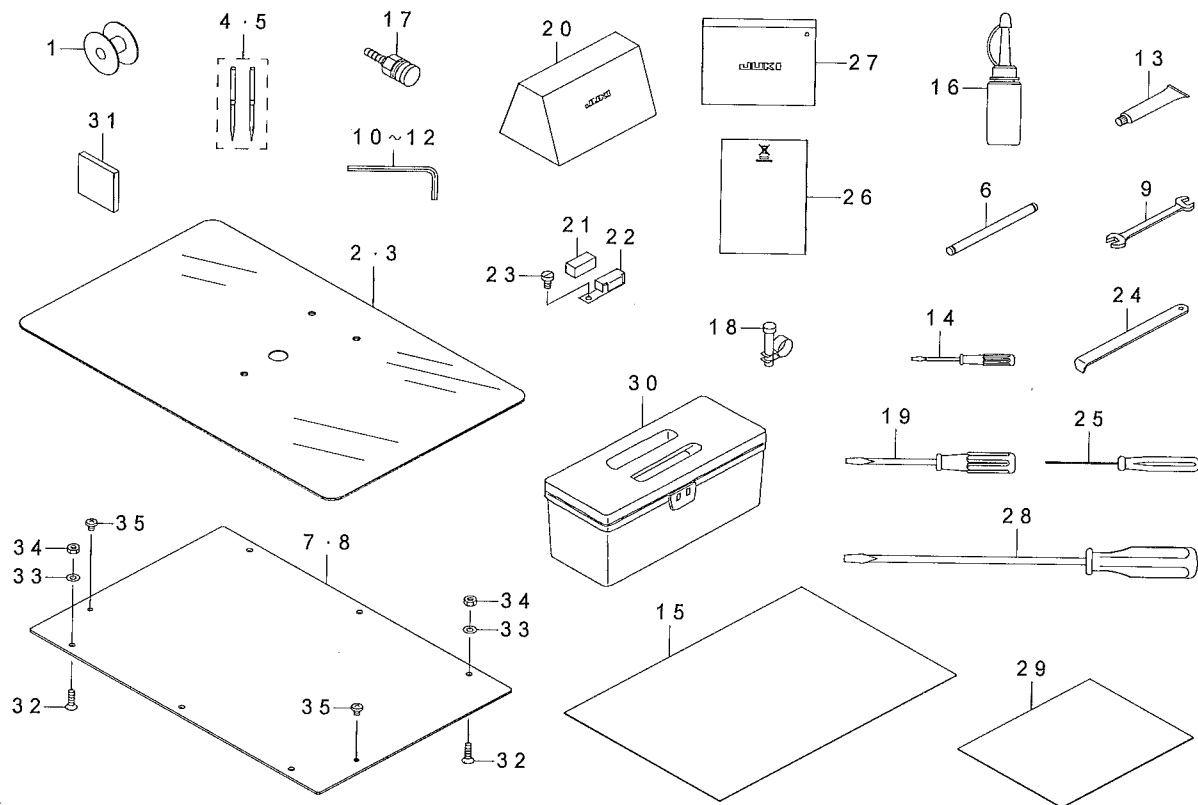
ペダル関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-33831	PK78 PEDAL SWITCH ASM.	PK 78 ペダルスイッチ組	1
2		400-42352	MECHANICAL VALVE UNIT	メカニカルバルブユニット	1
3		D8001-D15-A0Y	PEDAL BASE	ペダルベース	(1)
4		WP-0450801-SD	WASHER 4.5X10X0.8	平座金 4.5 X 10 X 0.8	(2)
5		WS-0451040-KP	SPRING WASHER 4.5X8.5X1	ばね座金 4.5 X 8.5 X 1	(2)
6		SS-7111120-TP	SCREW	丸平ねじ	(2)
7		SS-6111210-SP	SCREW 11/64-40 L=12	平ねじ 11/64-40 L=12	(2)
8		WP-0450801-SD	WASHER 4.5X10X0.8	平座金 4.5 X 10 X 0.8	(2)
9		WS-0451040-KP	SPRING WASHER 4.5X8.5X1	ばね座金 4.5 X 8.5 X 1	(2)
10		WP-0553216-SD	WASHER	平座金	(2)
11		PX-0200020-00	ACTUATOR	アクチュエーター	(1)
12		PV-0105020-00	AIR VALVE	エアバルブ	(1)
13		PJ-3010405-01	HALF UNION M5 D=4	ワンタッチ継ぎ手 M5 D=4	(6)
14		PX-5000140-00	PLUG	止栓	(2)
15		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	(1.9)
16		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	(1.8)
17		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	(1.9)
18		HX-0031400-0A	SPIRAL TUBE	スパイラル チューブ	(0.6)
19		EA-9500B01-00	CABLE BAND	束線バンド	(3)
20		GEP-01013000	VALVE	エキゾスト バルブ	(1)
21		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	(0.1)
22		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	(0.1)
23		180-35204	WIRE MARK (3)	ワイヤーマーク (3)	(2)
24		180-35303	WIRE MARK (4)	ワイヤーマーク (4)	(1)
25		180-35600	WIRE MARK (7)	ワイヤーマーク (7)	(2)
26		180-35709	WIRE MARK (8)	ワイヤーマーク (8)	(1)
27		PJ-3080400-02	QUICK COUPLING	ワンタッチ継ぎ手	(2)
28		D8002-D15-A0Y	PEDAL CUSHION	ペダルクッション	(2)
29		PJ-3030400-02	STRAIGHT UNION	ストレートユニオン	3
30		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	1.6
31		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	1.6
32		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	1.6
33		180-35204	WIRE MARK (3)	ワイヤーマーク (3)	1
34		180-35709	WIRE MARK (8)	ワイヤーマーク (8)	1
35		180-35600	WIRE MARK (7)	ワイヤーマーク (7)	1
36		401-11079	PEDAL EXTENSION CABLE ASM.	ペダル延長ケーブル組	1
37		HX-0015000-0E	CORD PRESSER 3-POLE (220/240V)	ケーブルクリップ	1
38		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M4 L=8	2

25. ACCESSORIE PARTS COMPONENTS

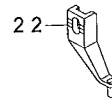
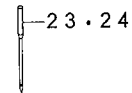
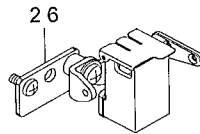
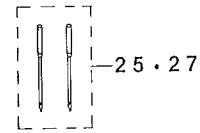
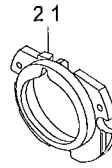
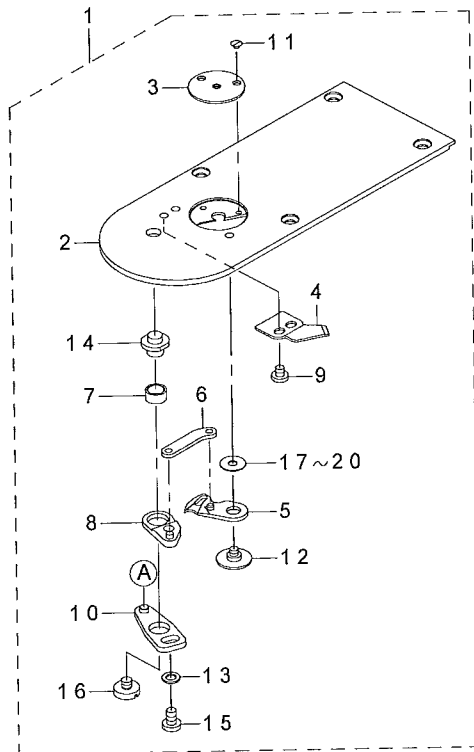
付属品関係



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1 ★		B1806-210-D00	BOBBIN	ボビン	1
2	#03	400-72082	COVER SHEET(4530)	針板補助カバーシート (4530)	1
3	#04	400-72083	COVER SHEET(6030)	針板補助カバーシート (6030)	1
4 ★	#01	MDP-170B1802	NEEDLE DPZ17#18-2	DPX 17#18-2	1
5 ★	#02	MC-3720011-02	NEEDLE SY3355 #110-2	SY 3355 #110-2	1
6		137-04705	BELT SIDE COVER SHAFT	側面ベルトカバー軸	1
7	#04	400-72148	PLASTIC BLANK PLATE 6030	プラスチックプラーク 6030	1
8	#03	400-72147	PLASTIC BLANK PLATE 4530	プラスチックプラーク 4530	1
9		B9113-012-000	WRENCH (9X10)	両口スパナ (小)	1
10		B9140-372-000	HEXAGONAL WRENCH, SMALL	六角棒スパナ (小)	1
11		B9141-372-000	HEXAGONAL WRENCH, LARGE	六角棒スパナ (大)	1
12		GCT-02906000	HEXAGONAL SPANNER	六角棒スパナ (大)	1
13		400-06323	JUKI GREASE A TUBE	JUKI グリース A チューブ	1
14		229-33204	SCREW DRIVER, SMALL	ドライバー (小)	1
15		B2564-223-C00	SPONGE	布押え外枠スポンジ	1
16		B9121-220-0A0	OILER (CONTAINING NO.2 OIL)	油注し NO. 2	1
17		PJ-3095200-01	SOCKET	ハイカプラソケット	1
18		PB-0000100-00	HOSE BAND	ホースバンド	1
19		229-33105	SCREW DRIVER, MIDDLE	ドライバー (中)	1
20		400-72154	COVER	頭部カバー	1
21		B1131-528-000	FELT	糸案内糸押え	1
22		101-02200	THREAD GUIDE F	糸案内 F	1
23		SM-6040860-TP	SCREW M4 L=8	ねじ M4 L=8	1
24		B9101-490-000	DRIVER	ドライバー	1
25		400-32763	HEXAGONAL DRIVER (1.5)	六角ドライバー (1.5)	1
26	#02	CM-6001002-01	WEEE INFORMATION SHEET	WEEE インフォメーション シート	1
27		229-32800	ACCESSORIE BAG	付属品バッグ	1
28		229-33006	SCREW DRIVER, LARGE	ドライバー (大)	1
29		B2591-220-000	RUBBER SHEET	布押え用ゴムシート	1
30		B8601-WP1-0A0	TOOL BOX ASM.	工具箱組	1
31		400-50647	COMPACTFLASH(TM) SET AMS-221E	コンパクトフラッシュ (TM) セット	1
32		SM-1041401-SN	SCREW M4X0.7 L=14	皿小ねじ M4X0.7 L=14	6
33		WP-0430801-SC	WASHER 4.3X9X0.8	平座金 4.3X9X0.8	6
34		NM-6040001-SC	NUT M4	六角ナット M4	6
35		SM-4040501-SN	SCREW M4X0.7 L=5	なべ小ねじ M4X0.7 L=5	2
NOTE(注記)			#01...FOR ST	ST 用	
			#02...FOR JE	JE 用	
			#03...FOR 4530	4530 用	
			#04...FOR 6030	6030 用	

26. TYPE G EXCLUSIVE PARTS

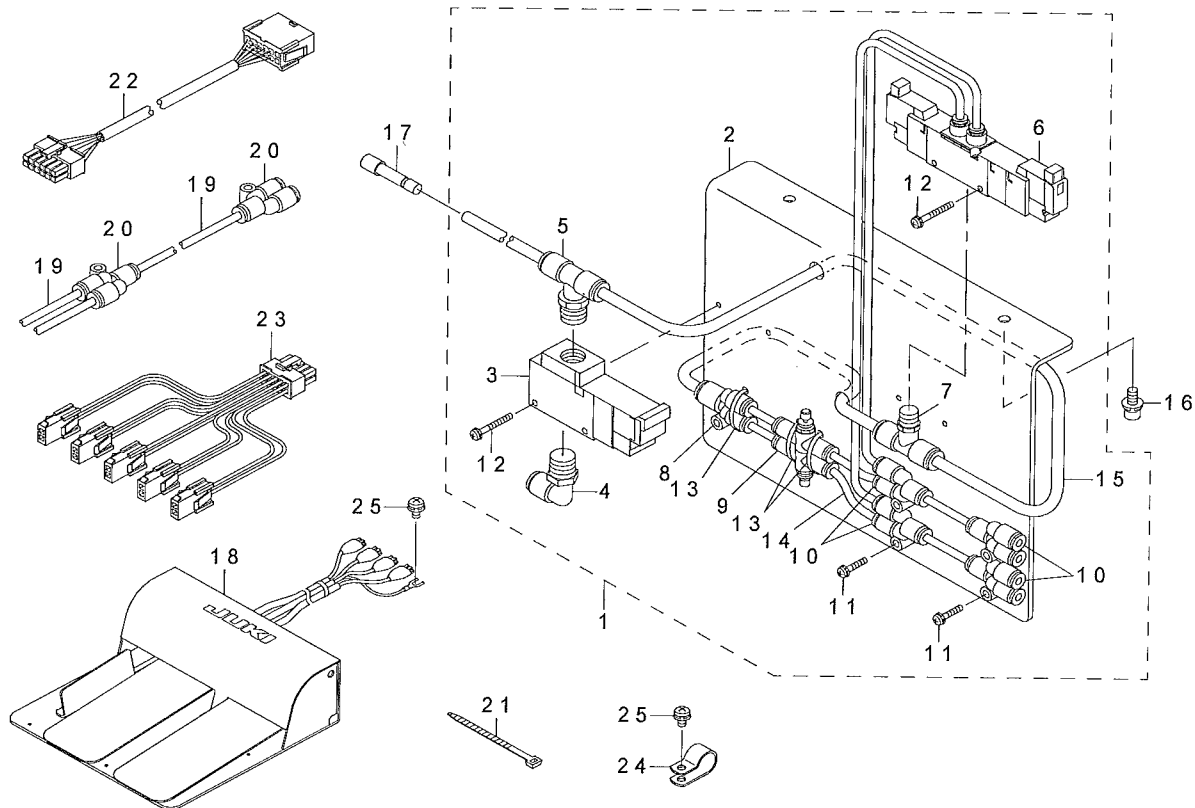
G 仕様専用部品



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-53776	NEEDLE_PLATE_ASM.	針板組	1
2		400-30934	NEEDLE_PLATE	針板	(1)
3		B2426-210-00F	NEEDLE HOLE GUIDE D=3.0	針穴ガイド D=3	(1)
4		B2424-210-A00	FIX KNIFE	固定メス	(1)
5		B2421-210-AA0	MOVING KNIFE COMPL.	動メス結合	(1)
6		B2418-280-000	MOVING KNIFE LINK	動メスリンク	(1)
7		B2416-280-000	THREAD CUTTING LEVER RING	糸切りレバーリング	(1)
8		B2415-280-0A0	THREAD CUTTER LEVER ASM., SMALL	糸切りレバー (小) 組	(1)
9		SS-7090410-SP	SCREW 9/64-40 L= 3.5	丸平ねじ 9/64-40 L= 3.5	(1)
10		B2414-280-0A0	THREAD CUTTER LEVER ASM., LARGE	糸切りレバー (大) 組	(1)
11		SS-1060210-TP	SCREW 3/32-56 L=2.2	皿ねじ 3/32-56 L=2.2	(1)
12		B2417-210-000	MOVING KNIFE HINGE SCREW	動メス段ねじ	(1)
13		WP-0450846-SP	WASHER	平座金	(1)
14		B2417-280-000	THREAD CUTTER LEVER SHAFT	糸切りレバー軸	(1)
15		SS-7110740-TP	SCREW 11/64-40 L=7	丸平ねじ 11/64-40 L=7	(1)
16		SS-8110430-TP	SCREW 11/64-40 L= 4.0	平ねじ 11/64-40 L= 4	(1)
17	#01	B2423-280-00A	MOVING KNIFE WASHER A	動メス座金 A	(1)
18	#01	B2423-280-00B	MOVING KNIFE WASHER B	動メス座金 B	(1)
19	#01	B2423-280-00C	MOVING KNIFE WASHER C	動メス座金 C	(1)
20	#01	B2423-280-00D	MOVING KNIFE WASHER D	動メス座金 D	(1)
21		141-03859	SHUTTLE RACE RING ASM., C	中釜押え C 結合	1
22		B1601-210-D0B-A	INTERMEDIATE PRESSER B	中押え B	1
23	#02	MDP-170B2300	NEEDLE DPX17 #23	針 DPX17 #23	1
24	#03	MC-3720016-00	NEEDLE SY3355 160	針 SY 3355 160	1
25	#05	MDP-170B2302	NEEDLE DPX17#23-2	DPX17#23-2	1
26	* #04	400-97301	SILICONE OIL TANK ASM	エスレンタンク組	1
27	#06	MC-3720016-02	NEEDLE SY3355 #160-2	SY 3355 #160-2	1
28	#04	B2426-210-00G	NEEDLE HOLE GUIDE D=3	座繰り付き針穴ガイド 3	1
		NOTE(注記)	#01....SELECTIVE PARTS #02....FOR ST #03....FOR JE #04....TYPE G ACCESSORIE PARTS #05....TYPE G ACCESSORIE PARTS(FOR ST) #06....TYPE G ACCESSORIE PARTS(FOR JE)	選択部品 ST 用 JE 用 G 仕様付属品 G 仕様付属品 (ST 用) G 仕様付属品 (JE 用)	

27. SEPARATE STROKE TYPE EXCLUSIVE PARTS

2 段ストローク仕様専用部品



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-76736	SOLENOID_INSTALLING_PLATE_A_ASM.	電磁弁取付板 A 組	1
2		400-76738	SOLENOID_INSTALLING_PLATE	電磁弁取付板	(1)
3		PV-1352070-00	3-PORT ELECTROMAGNETIC VALVE	3ポート電磁弁	(1)
4		PJ-3040652-01	ELBOW UNION 6XPT1/4	エルボユニオン	(1)
5		PJ-3050652-04	DOUBLE-ENDED T UNION	両口チーズユニオン	(1)
6		PV-1551130-00	5-PORT SOLENOID VALVE	5ポート電磁弁	(1)
7		PJ-3050651-07	DOUBLE-ENDED T UNION	両口チーズユニオン	(1)
8		PJ-3080600-05	DIFFERENT DIAMETER UNION Y	異径ユニオンワイ	(1)
9		PC-0124060-00	SPEED CONTROLLER	スピードコントローラ	(2)
10		PJ-3080400-02	QUICK COUPLING	ワンタッチ継ぎ手	(4)
11		SL-4031691-SC	SCREW M3 L=16	座金付きなべ小ねじ M3 L=16	(4)
12		SL-4032591-SC	SCREW M3X25	なべ小ねじセムス M3 X 0.5 L=25	(4)
13		EA-9500B01-00	CABLE BAND	束線バンド	(3)
14		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	(0.6)
15		BT-0600401-EB	TUBE	チューブ	(1.1)
16		SL-6051292-TN	BOLT	座金付き六角穴ボルト	2
17		PX-9500010-00	PLUG	止栓	1
18		GPX-470010AB	3-PEDAL ASM.	3連ペダル組	1
19		BT-0400251-EB	URETHANE HOSE, BLACK	ウレタンホース 黒	1.7
20		PJ-3080400-02	QUICK COUPLING	ワンタッチ継ぎ手	4
21		EA-9500B01-00	CABLE BAND	束線バンド	3
22		400-74127	AIR EXTENSION CODE ASM.	エアー延長コード組	1
23		400-33875	PK47 RELAY CABLE ASM	PK 47 中継ケーブル組	1
24		HX-0015000-0E	CORD PRESSER 3-POLE (220/240V)	ケーブルクリップ	1
25		SL-4040891-SC	SCREW M4 L=8	座金付きなべ小ねじ M4 L=8	2

28. LIST FOR INFORMATION OF CHANGE

変更情報リスト

As to the place changed, refer to the corresponding Rev. No.
When previous parts (Obsoleted part) and new parts (Added parts) are
not interchangeable with each other:
In this case, even obsoleted parts (D.) can be ordered with the
obsoleted part number, so select the parts with changed dates and
place your orders.

変更箇所は、該当 Rev. No. 版をご参照ください。
部品の互換性がない変更の場合は、削除された品番でも、ご注文できます。

40100974

No. 1575-01 • • • Rev. No.

*A: Added parts 追加部品 / D: Obsoleted parts 削除部品 / E: Erratum 訂正

[illegible]

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400-06666	22	21	400-25415	12	8	400-43321	14	53	400-72116	26	14
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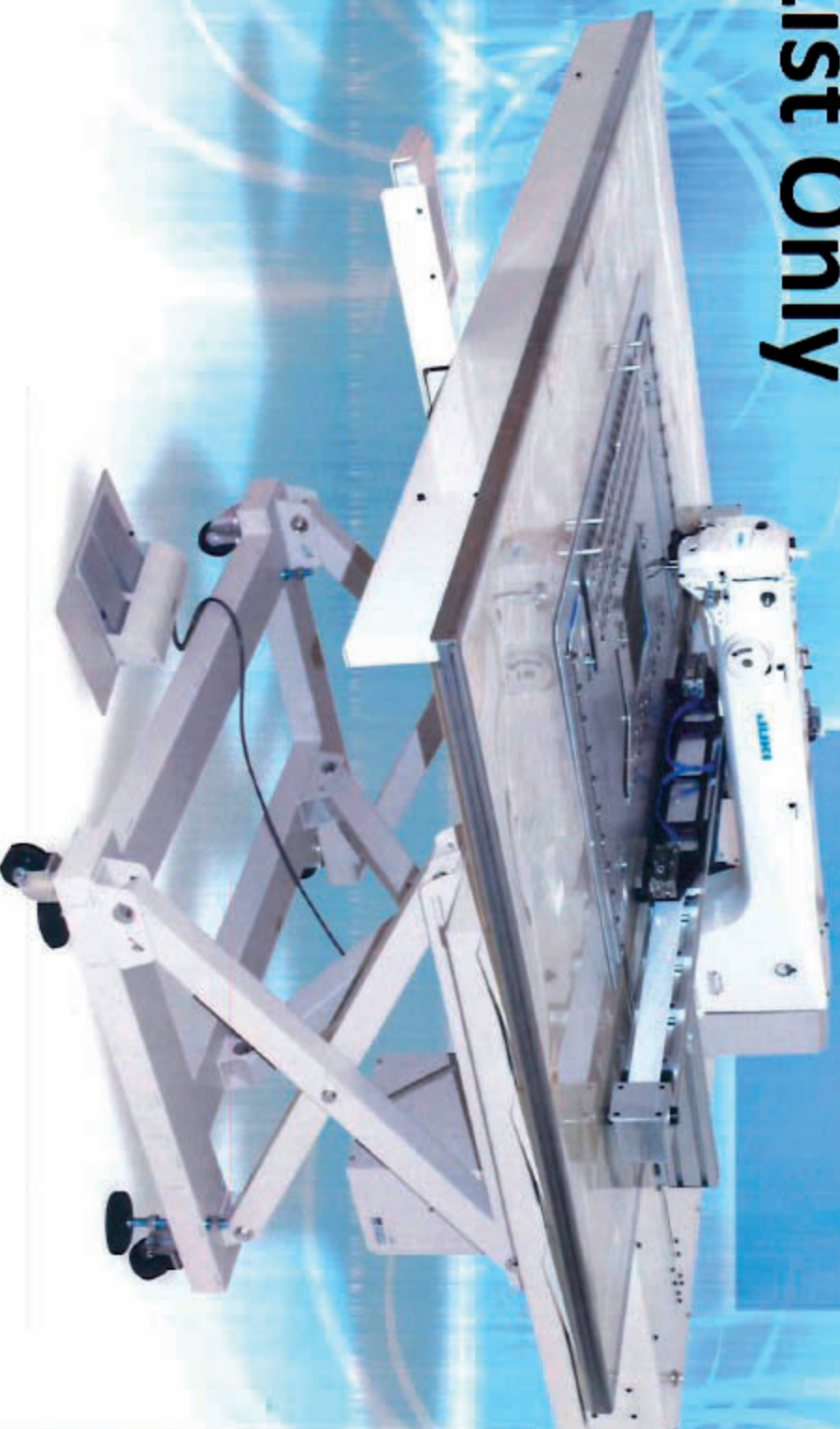
NUMERICAL INDEX OF PARTS

索引

PART NO 品番	PAGE 頁	REF NO	PART NO 品番	PAGE 頁	REF NO	PART NO 品番	PAGE 頁	REF NO	PART NO 品番	PAGE 頁	REF NO
400-72120	26	23	400-72191	6	16	400-77604	10	55	400-96035	40	16
400-72121	28	23	400-72193	6	68	400-77605	10	56	400-96051	36	34
400-72122	26	24	400-72195	6	22	400-77925	12	56	400-96051	40	7
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400-72123	28	26	400-72206	42	4	400-78106	10	22	400-96209	10	32
400-72124	26	27	400-72207	18	3	400-78113	12	57	400-96325	34	14
400-72124	28	27	400-72208	18	49	400-78133	12	43	400-96326	34	17
400-72125	26	28	400-72209	26	72	400-78135	10	29	400-96327	34	19
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400-72187	8	16	400-76736	46	1	400-96034	40	15			
400-72189	8	68	400-76738	46	2	400-96035	36	33			

Expansion Part List Only

AMS-224EN10050
1000mm (X) x 500mm (Y)

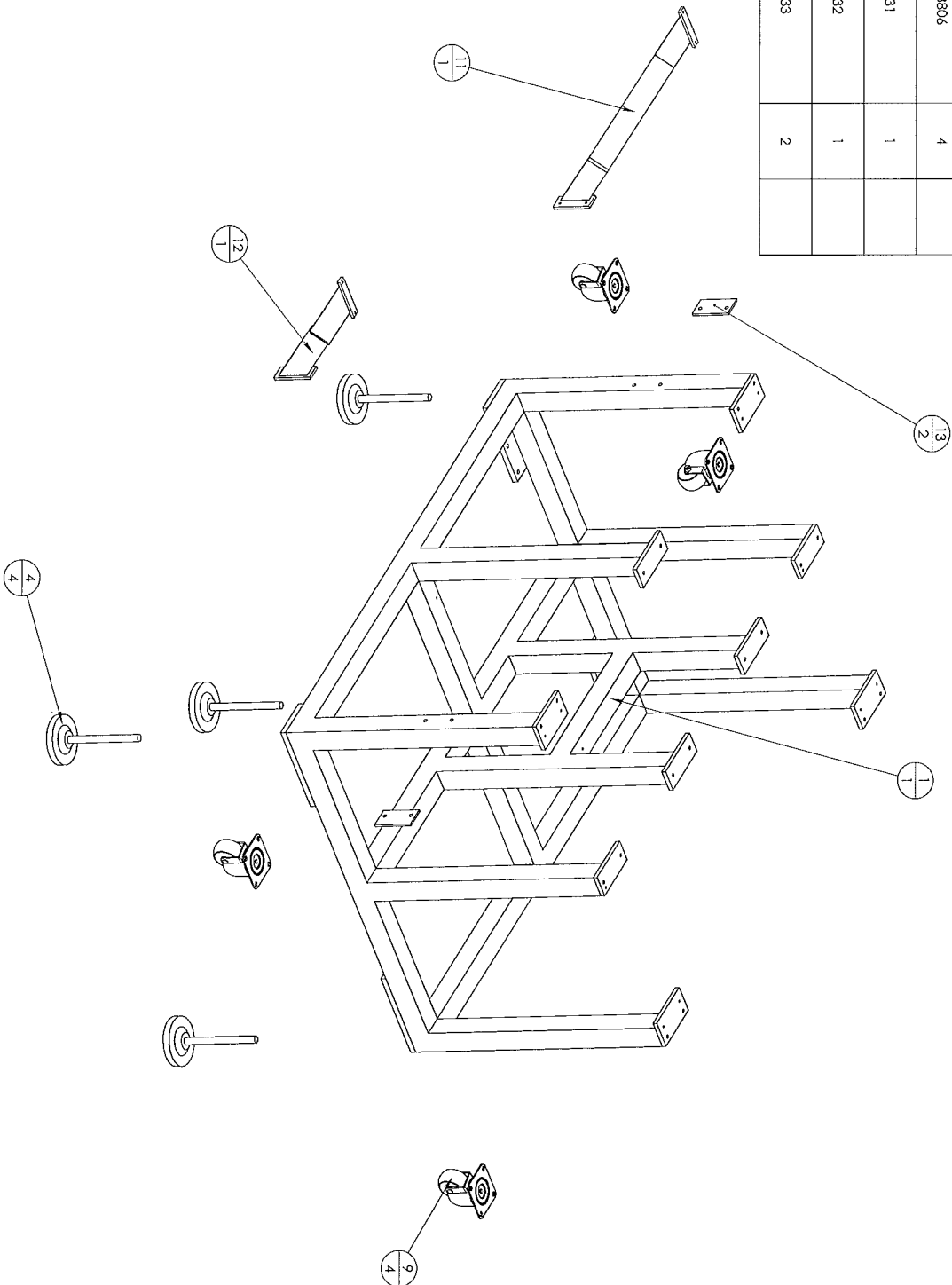


- ❖ Medium to Heavy Weight, Pallet Clamp Operation
- ❖ Expanded Sewing Area 1000mm (X) x 500mm (Y)
or by Special Order 1200mm (X) x 500mm (Y)
- ❖ Highest Sewing Speed up to 2,500 spm *
- ❖ Largest Memory Capacity up to 20,000 stitches/pattern
- ❖ Electronic Programmable Tension Control
- ❖ Easier to Operate and Highest Seam Quality

Contents- Expansion Unit 1000mm x 500mm

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ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	PRICE EACH
1	JUJI LEGS STAND	10019	1	
4	LEVELER	10018	4	
9	CASTER	40123806	4	
11	LEFT LEG SUPPORT	10031	1	
12	RIGHT LEG SUPPORT	10032	1	
13	LEG SUPPORT BACKING PLATE	10033	2	



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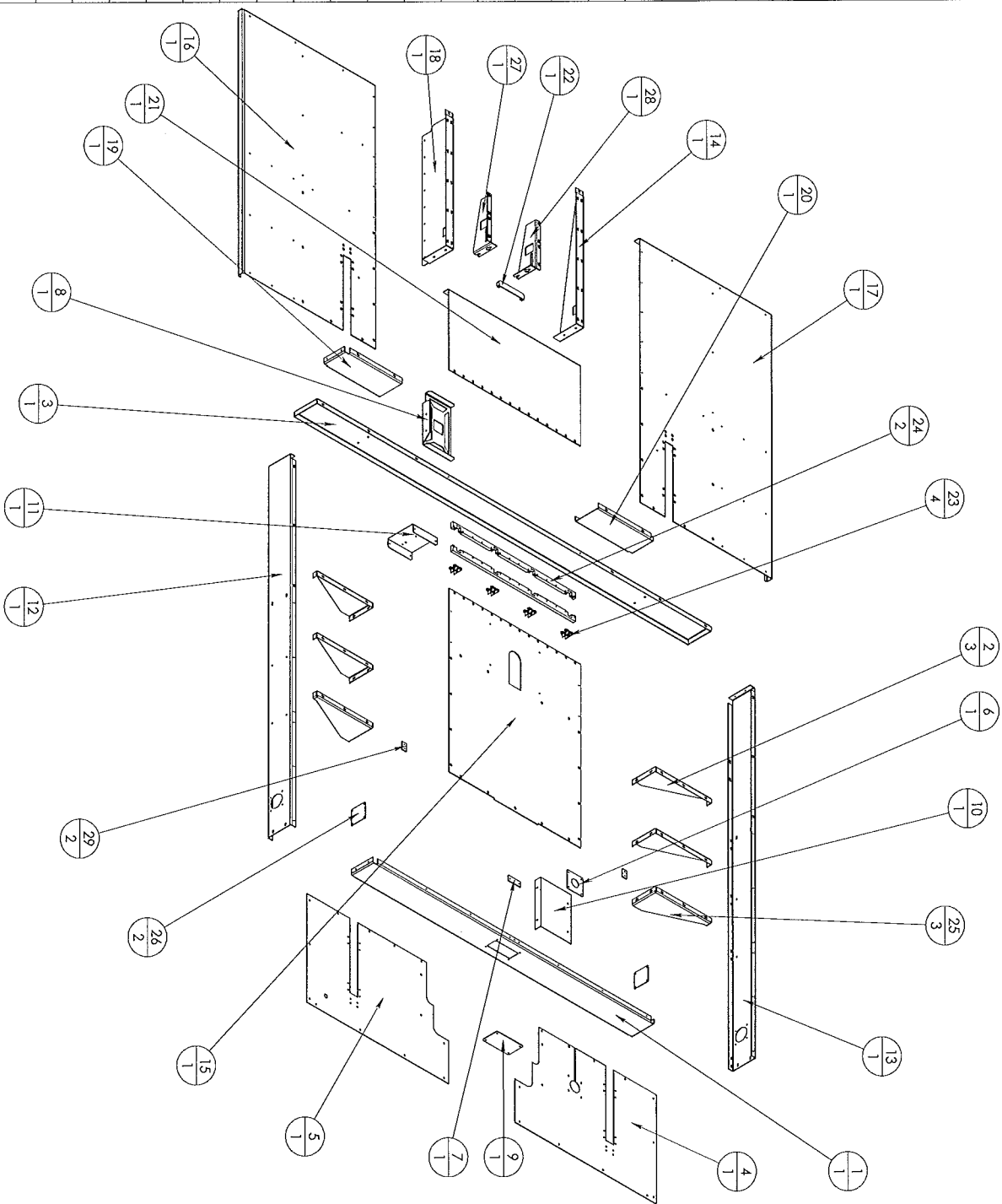
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DIMENSIONS ARE IN INCHES
FRACTIONS ARE IN 16THS
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FRACTIONS: .0005
DECIMALS: .0005
THREE PLACE DECIMAL: .001
OTHERWISE STATED

DO NOT SCALE
2

NAME
F. G. ARVAT
DATE
11/12/2000
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SCALE: 1/12 WEIGHT
SHEET 2 OF 2

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	PRICE EACH
1	BACK PANEL	10049	1	
2	LEFT WING	10052	3	
3	FRONT PANEL	10053	1	
4	BACK LEFT BED PLATE	10054	1	
5	BACK RIGHT BED PLATE	10055	1	
6	CABLE PLATE	10056	1	
7	BACK PLATES JOINT	10057	1	
8	CONTROL DRAWER	10059	1	
9	BACK ACCESS HOLE COVER	10060	1	
10	AIR FITTINGS PLATE	10061	1	
11	POWER SWITCH BACKET	10062	1	
12	SIDE PANEL RIGHT	10064	1	
13	SIDE PANEL LEFT	10065	1	
14	FRONT WING LEFT	10066	1	
15	BED PLATE CENTER	10068	1	
16	BED PLATE RIGHT	10070	1	
17	BED PLATE LEFT	10071	1	
18	FRONT WING RIGHT	10073	1	
19	FRONT PANEL RIGHT	10074	1	
20	FRONT PANEL LEFT	10075	1	
21	BOBBIN DOOR	10076	1	
22	BOBBIN DOOR HANDLE	10077	1	
23	INVISIBLE HINGE	S203	4	
24	CENTER COVER HINGE SUPPORT	10078	2	
25	RIGHT WING	10051	3	
26	SIDE COVER	10069	2	
27	RIGHT BED PLATE SUPPORT MODIFIED	40072176M	1	
28	LEFT BED PLATE SUPPORT MODIFIED	40072175M	1	
29	BACK TO FRONT JOINT	10058	2	



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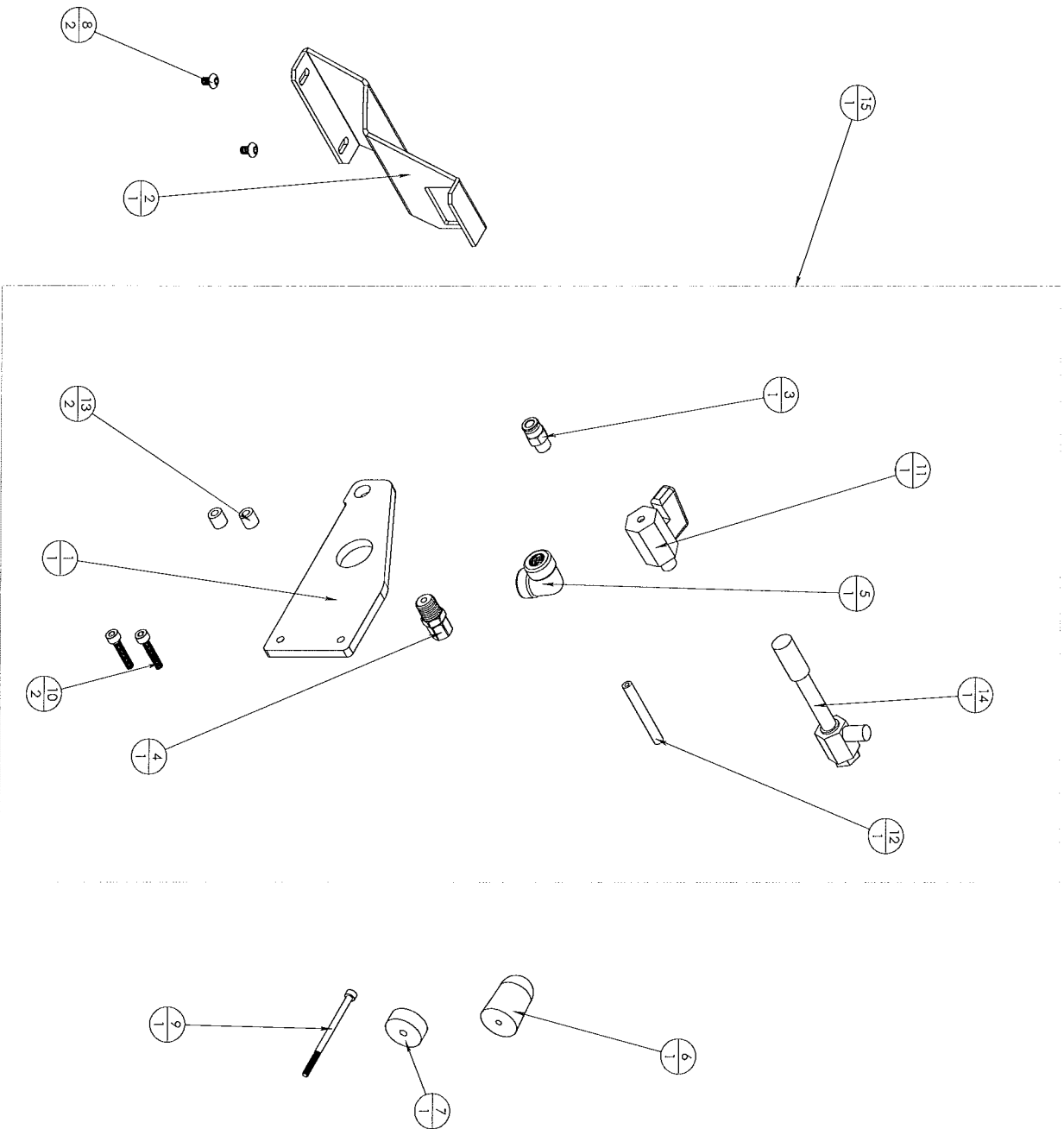
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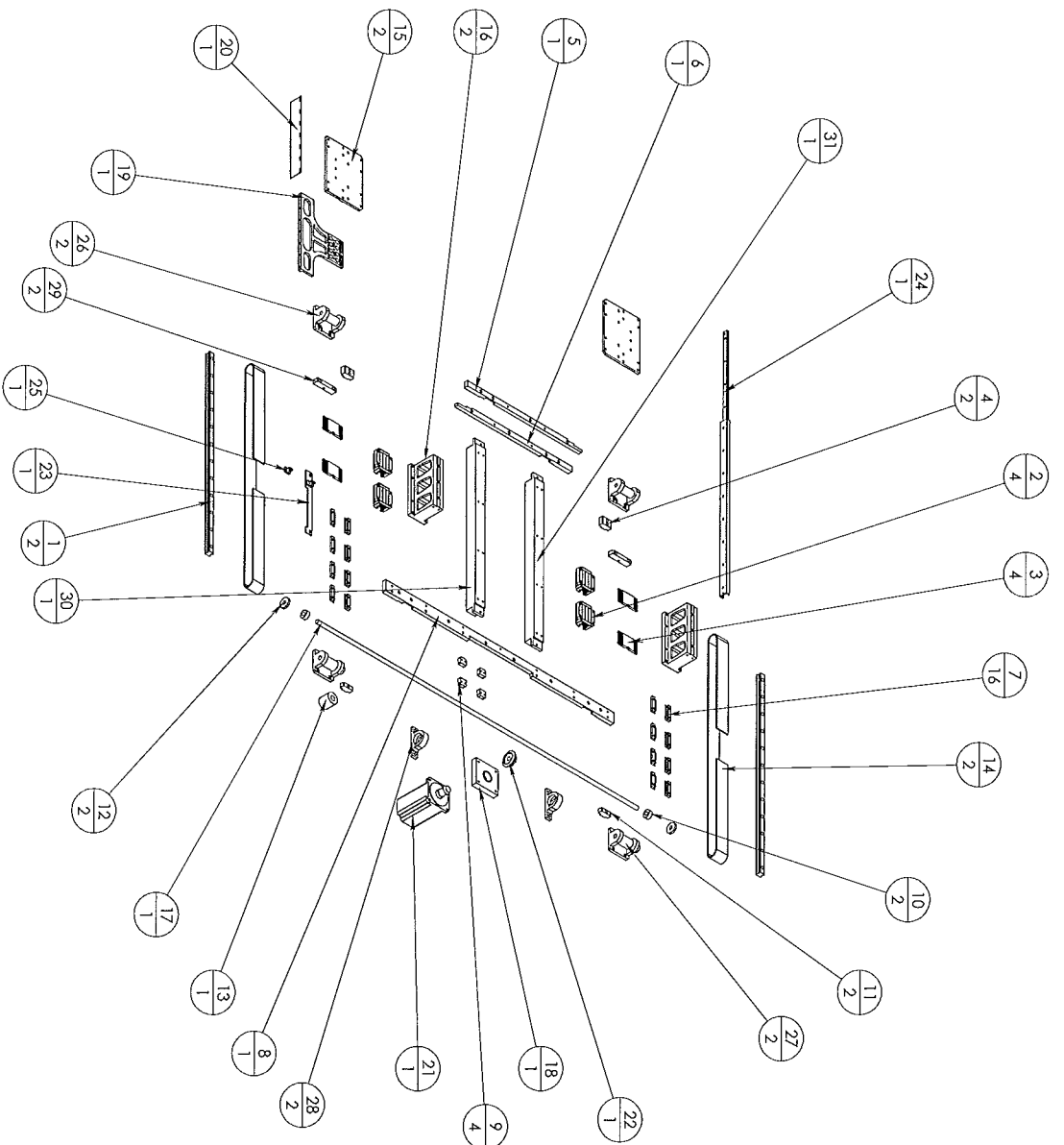
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TITLE:
FRAME COVER
COMPONENTS 1
SIZE: DWG. NO. FCC001
SCALE: 1:20 WEIGHT: 1
SHEET 1 OF 1

ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	PRICE EACH
1	JULI NEEDLE COOLER BRACKET	10109	1	
2	BARCODE READER BRACKET	10110	1	
3	HOSE FITTING	10111	1	
4	TUBE FITTING	10112	1	
5	90 DGR. PIPE	10113	1	
6	RUBBER BUMPER	10114	1	
7	BUMPER SPACER	10115	1	
8	M5-1 SCREW	10116	2	
9	M4-1 SCREW	10117	1	
10	M5-2 SCREW	10118	2	
11	AIR VALVE	10119	1	
12	AIR TUBE	10120	1	
13	NEEDLE COOLER BRACKET SPACER	10121	2	
14	NEEDLE COOLER	10122	1	
15	NEEDLE COOLER KIT	10108VNC	1	



ITEM NO.	DESCRIPTION	PART NUMBER	QTY.	PRICE
1	700 RAIL	10125	2	
2	HSP20 PILLOW	10126	4	
3	45 MM BELT CLAMP	10129	4	
4	Y AXIS RAIL STOP	10130	2	
5	FRONT RIGHT CAST SPACER	10132	1	
6	FRONT LEFT CAST SPACER	10133	1	
7	SPRING GUIDE	10134	16	
8	BACK CAST SPACER	10135	1	
9	BED PLATE SPACERS	10136	4	
10	12 MM COLLAR	10137	2	
11	Y AXIS RAIL STOP BACK SIDE	10138	2	
12	Y AXIS WASHER	10139	2	
13	DELFIN THREAD STAND SPACER	10140	1	
14	Y AXIS BELT	10143	2	
15	BELT DRIVE PLATFORM	10144	2	
16	Y AXIS TOWER	10145	2	
17	Y AXIS SHAFT	10146	1	
18	Y AXIS MOTOR MOUNT PLATE	10147	1	
19	Y AXIS FLAG BRACKET	10148	1	
20	Y AXIS FLAG	10149	1	
21	Y ENCODER MOTOR ASSY	40104419	1	
22	Y AXIS GEAR	B254823C00	1	
23	Y AXIS INSTALLING PLATE	40072209	1	
24	CONTROL DRAWER SLIDE ASSY	10142	1	
25	Y AXIS SENSOR	HD0005700A	1	
26	Y DRIVEN BRACKET ASSY	40072114	2	
27	Y DRIVE BRACKET ASSY	40072112	2	
28	Y AXIS SHAFT SUPPORT ASSY	10127	2	
29	BELT TENSION ADJUSTER ASSY	10128	2	
30	BED PLATE SUPPORT RIGHT	10150	1	
31	BED PLATE SUPPORT LEFT	10151	1	



PROPERTY AND CONSENT
DRAWING OF THE TOOL PROPERTY OF
THE COMPANY. IT IS TO BE USED FOR
THE PURPOSES OF THE TOOL ONLY.
NO REPRODUCTION OR ALTERATION
WITHOUT THE COMPANY'S WRITTEN
CONSENT IS ALLOWED.

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PAGE #10

7

6

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1

1

X-Y COMPONENTS 2

REV

SCALE: 1:20 WEIGHT: 1

SHEET 1 OF 1

AMS-EN**Bar code reader for AMS-EN series (optional)****INSTRUCTION MANUAL / PARTS LIST**

Be sure to read this instruction manual before using the product for safe use of the product.
Furthermore, keep this instruction manual close by so that it is available whenever needed.

**WARNING :**

- Do not look directly into the laser beam of the bar code reader.
- Do not emit laser beam toward human eyes.
- Do not look into the laser beam directly using an optical device.

**CAUTION :**

When installing this product, be sure to turn OFF the power of the sewing machine.
Furthermore, read the instruction manual of the sewing machine as well.

校正用

ENGLISH

ENGLISH

CONTENTS

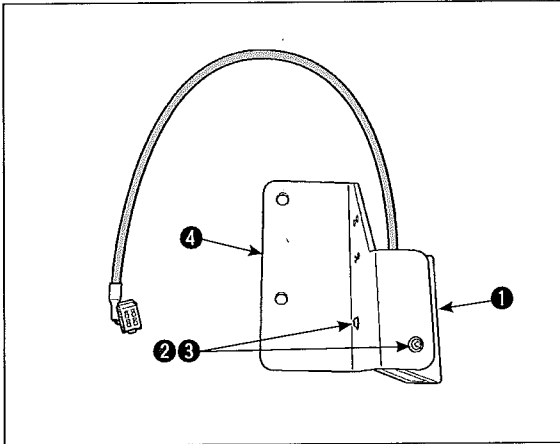
1. Installation procedure.....	1
2. Attaching the bar code	3
3. Bar code function.....	3
4. Setting of the bar code function	4
5. How to use	6
6. Bar code configuration.....	7
7. Malfunction of the bar code reader	8



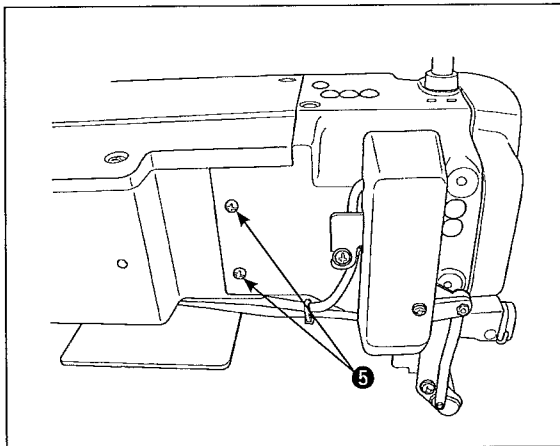
CAUTION :

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

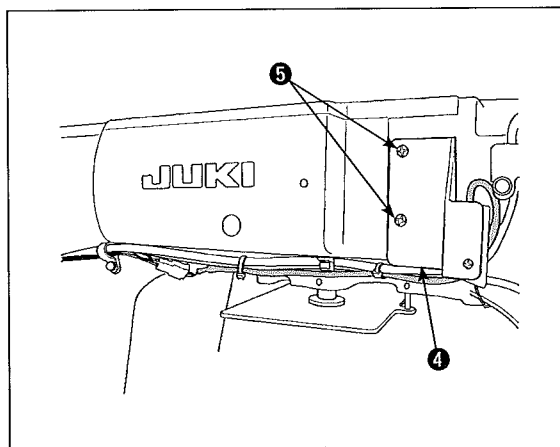
1. Installation procedure



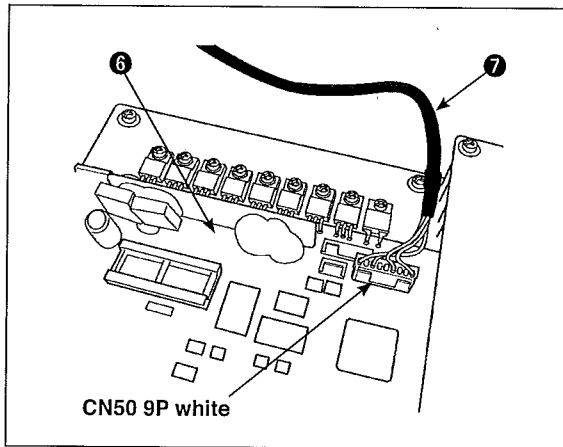
- 1) Install the bar code reader **1** onto the mounting plate **4** using the screws **2** and the washers **3** (two locations) which are included as the accessories.



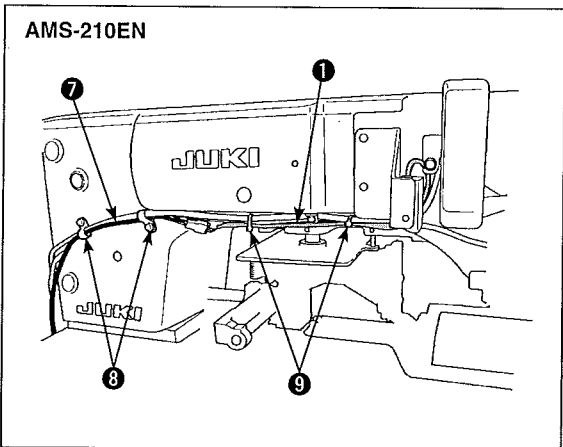
- 2) Remove the fixing screws **5** (two locations) of the intermediate presser cover of the sewing machine, install the mounting plate **4**, and fix with screws again to install onto the sewing machine.



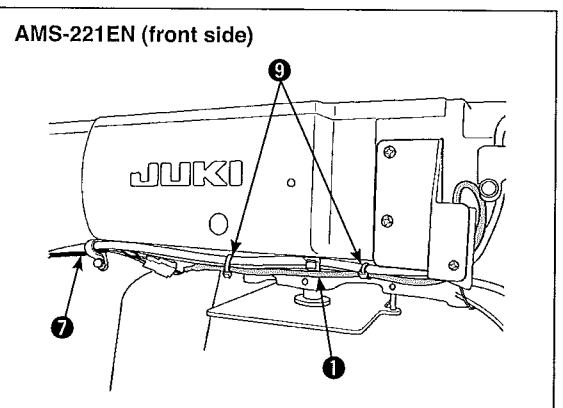
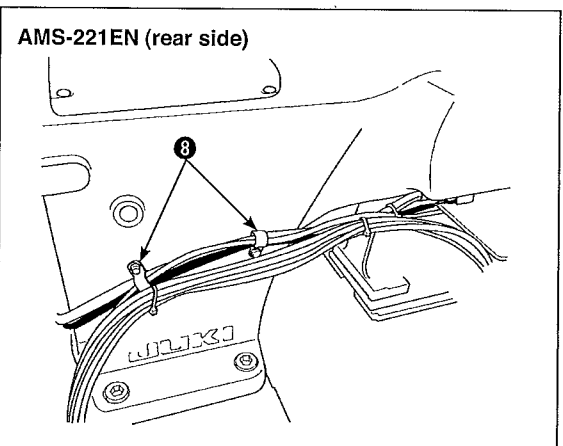
校正用



- 3) Open the electrical box, and connect the relay cable 7 to CN50 of the main PCB 6.



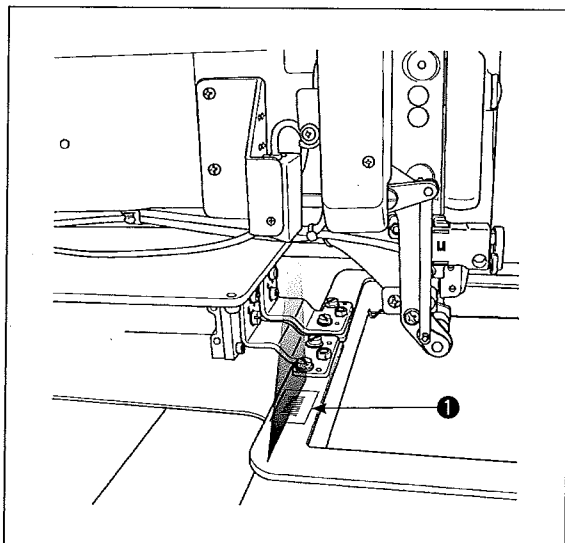
- 4) Connect the relay cable 7 coming out of the electrical box to the cable of the bar code reader 1, and fix it using the cable clip 8 attached to the sewing machine and the bundle wire band 9 which is included as the accessory.



**WARNING :**

- Do not look directly into the laser beam of the bar code reader.
- Do not emit laser beam toward human eyes.
- Do not look into the laser beam directly using an optical device.

2. Attaching the bar code



- 1) Copy the bar code **1** attached at the end of the instruction manual for use.
- 2) Regarding the attachment of the bar code to the feeding frame, adjust the work clamp foot position in a way that the laser beam from the bar code reader will emit the bar code as shown in the illustration. (Refer to “4-3. Setting of the fixed escape position” on Page 5.)

3. Bar code function

Bar code function is a function to read the bar code and to switch to the corresponding sewing pattern for the applications such as the cassette identification etc.

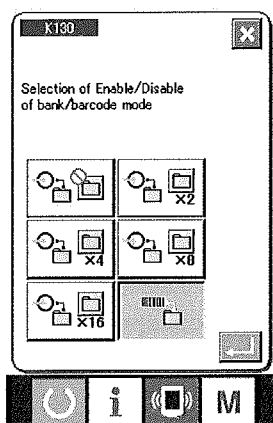
By reading the bar code, switching to 999 user patterns stored in the sewing machine memory and to 50 sewing data registered in the pattern button can be made.

To use this function, AMS-EN bar code option will be required.

4. Setting of the bar code function

4-1. Setting of the bar code function

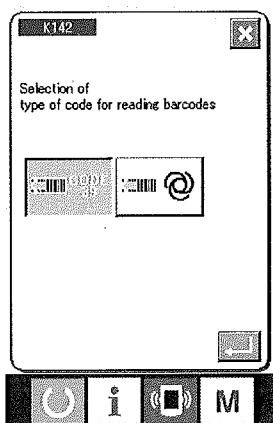
On memory switch K130, select the bar code mode. Refer to the engineer's manual for the selection method of the memory switch Kxxx (level 2).



Setting	Content	Explanation
	Bank/bar code disabled	Bank/bar code function is not used.
	Number of banks, 2.	Two patterns are set as the number of banks.
	Number of banks, 4.	Four patterns are set as the number of banks.
	Number of banks, 8.	Eight patterns are set as the number of banks.
	Number of banks, 16.	Sixteen patterns are set as the number of banks.
	Bar code mode	Bar code mode is used.

4-2. Selection of the bar code type

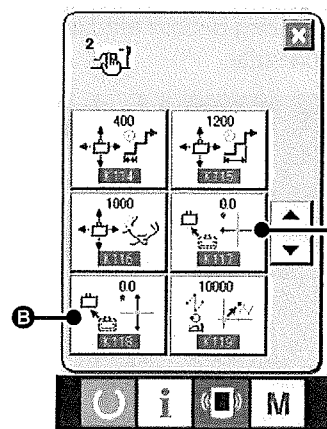
On memory switch K142, a type of bar code is selected. In the default state, Code39 only will be read. When the attached bar code is printed for use, the change to K142 will not be required.



Setting	Content	Explanation
	Code39	Code39 only will be read.
	All standards.	All standards that the bar code reader is compatible to will be read. JAN, EAN, UPC-A/E, EAN-8/13 Add-on, UPC-A/E Add-on, Industrial 2 of 5, IATA, Interleaved 2 of 5, NW-7(Codabar), Code39, Code93, Code128, EAN-128, S-Code, MSI/Plessey, RSS, Tri-Optic, CODE11, UK/Plessey, Matrix 2 of 5, Chinese Post Matrix 2 of 5, TELEPEN

4-3. Setting of the fixed escape position

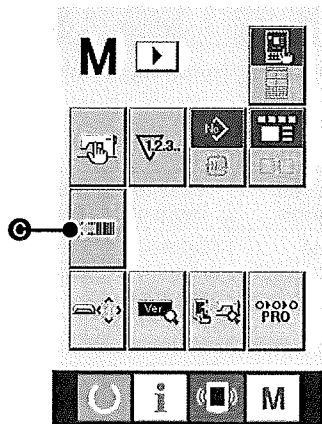
According to the bar code function, the fixed escape position coordinate of the memory switch K117 **A** and K118 **B** will be effective. Make this setting when adjustment is required for the reading position of the bar code attached to the work clamp foot. It is not required to set the memory switch K90 fixed escape position selection.



Setting	Content	Explanation
	Fixed escape position • X coordinate	Setting is made for the fixed escape position in X axis.
	Fixed escape position • Y coordinate	Setting is made for the fixed escape position in Y axis.

4-4. Enabling the bar code mode

If the bar code mode is selected on the memory switch K130, the bar code mode button  **C** will be displayed on the mode switching screen. If this button is pushed, ON/OFF switching of the bar code mode can be made.
However, if the bar code reader is not connected or the connection is poor, the mode cannot be set to ON.





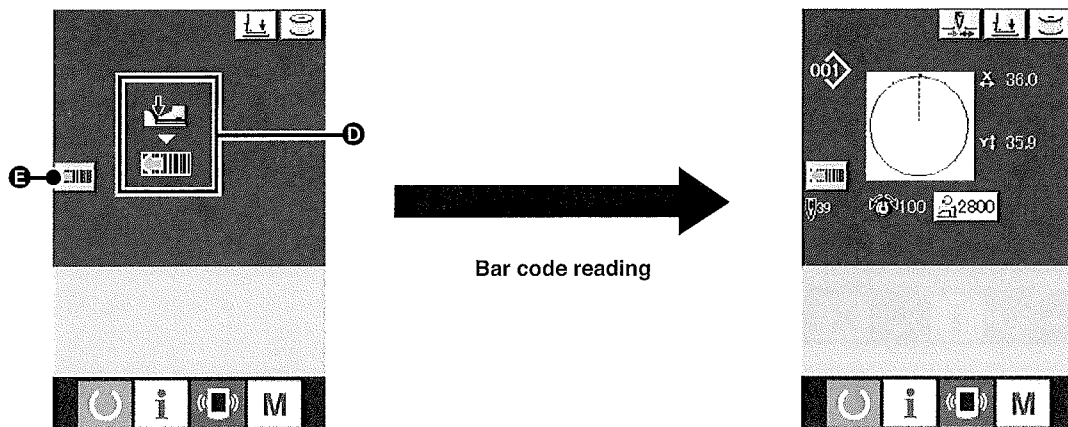
Bar code mode ON.



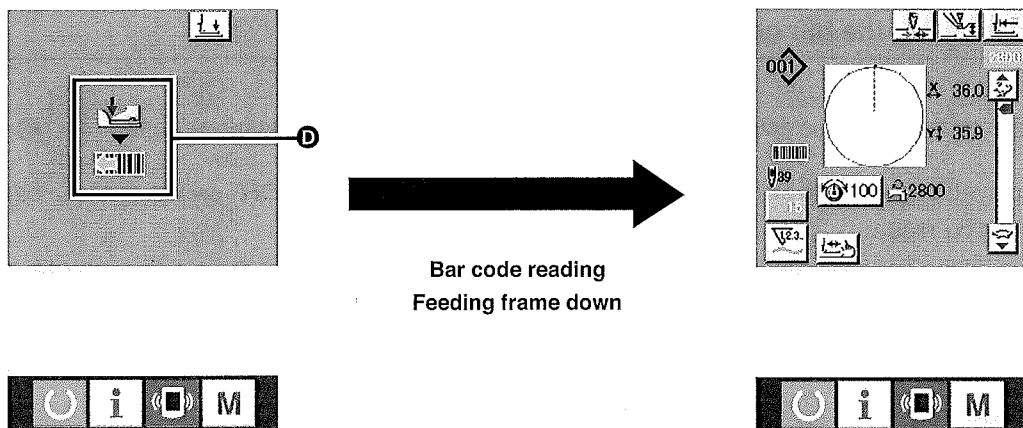
Bar code mode OFF.

5. How to use

When the mode switching screen is closed and the bar code mode is ON, a pictograph showing ON state **D** will be displayed. In the setting state, a sewing pattern by bar code reading can be verified. The bar code can be read by pushing the bar code reading button on the screen **E** or treading on the work clamp foot switch (pedal). It should be noted, however, that the reading in the setting state will be effective after the origin point searching. Furthermore, there will be no pressing action by treading on the work clamp foot switch (pedal). It will be reading of the bar code only. The sewing pattern read in the setting state will be destroyed when the system moves on to the preparation state.



In the preparation state, trading on the work clamp foot switch (pedal) will initiate the actions of bar code reading, pattern reading and feeding frame down.



The sewing pattern will be read, and the sewing can be started when the feeding frame has been lowered.

List of error codes

Error code	Pictograph	Error content	Displayed message	How to recover	Place of recovery
E010		The pattern designated by bar code is not registered.	Designated pattern does not exist.	Possible to re-start after reset.	Previous screen
E058		There is no bar code at the reading position. Bar code decoding failed. Communication time out.	Bar code reading error	Possible to re-start after reset.	Previous screen
E921		Bar code reader is not connected to the sewing machine. Bar code format error.	Bar code reader communication error	Turn OFF the power	

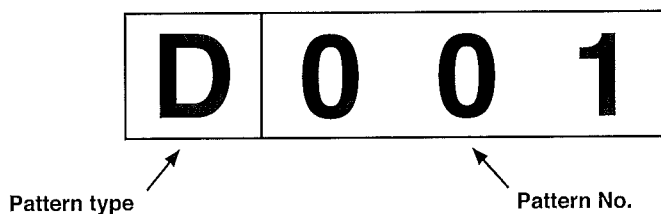
6. Bar code configuration

By reading the bar code sheet attached at the end of this manual, the sewing pattern can be switched to the one corresponding to the selected bar code. Separate the attached bar code sheet for your use. This bar code sheet is compatible to Code39.

When creating bar codes to a standard other than Code39, create the codes according to the following format.

- 4 byte ASCII code
- “Pattern type”, “hundreds place”, “tens place”, “ones place”

Example



Pattern type

U or 0 : Corresponds to the user patterns

D or 1 : Corresponds to the sewing data registered in the pattern button

Pattern No.

User pattern : No. 001 to No. 999

Sewing data registered in the pattern button : No. 001 to No. 050

Both the pattern type and the numbers shall be written in ASCII code.

In the case of D001 as shown above, it will be described as 0x44 0x30 0x30 0x31.

Start/stop character etc. shall be created according to the bar code standard used.

If the margin at both sides of the bar code is small, there is a possibility of reading error.

Therefore, try to have as much margin as possible on both sides. If the bar codes at the end of this manual are used, make a copy of the sheet, and then cut along the dotted lines.

7. Malfunction of the bar code reader

When the bar code reader does not work, push the SCAN button on the side of the bar code reader to check if there is laser emission or not.

If there is no laser emission even if the SCAN button is pushed, the bar code reader may be defective.

If the laser is emitted, read the following bar codes in the order of ① → ② → ③, and restart the sewing machine.

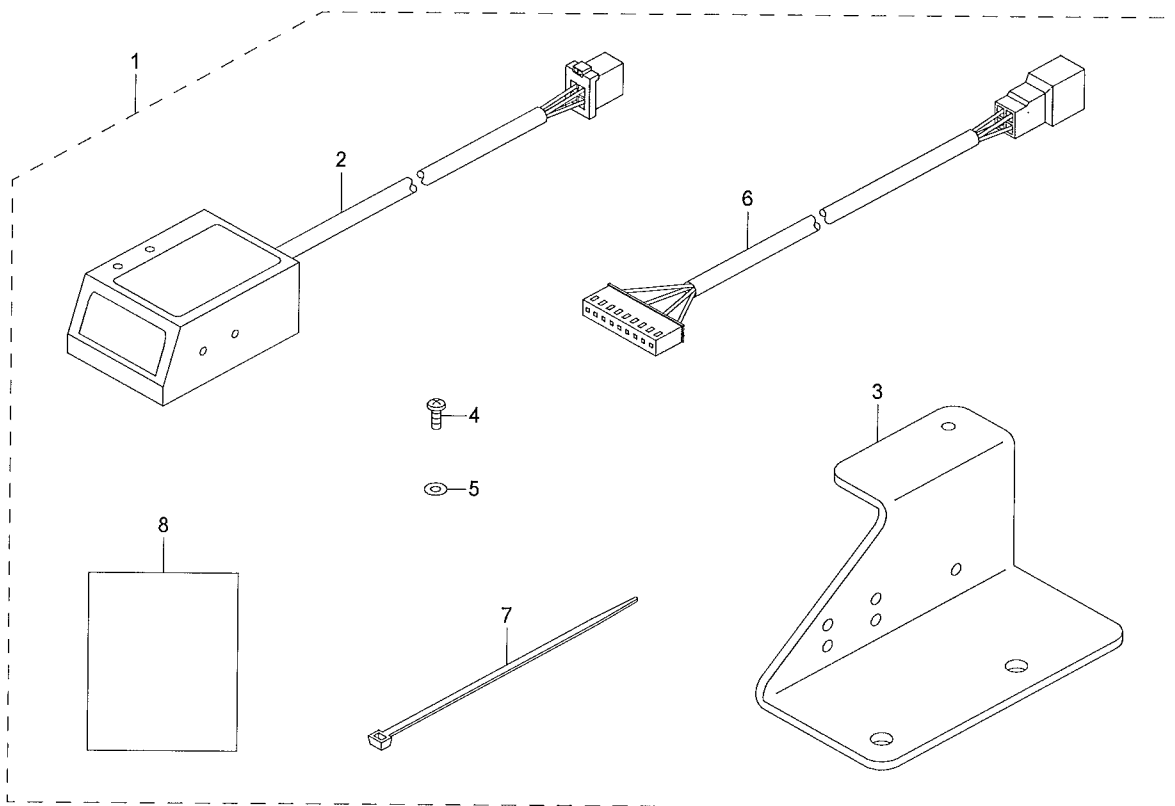
①	 ZZ	Start of setting
②	 U 2	Initialization
③	 ZZ	End of setting

校正用

PARTS LIST

PARTS LIST

校正用



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		400-89238	BAR CODE SET A ASSY	バーコードセット A 組	1
2		400-89237	BAR CODE READER ASSY	バーコードリーダ組	(1)
3		400-89027	BAR CODE READER BRACKET	バーコードリーダブラケット	(1)
4		SM-4020601-SC	SCREW M2 L=6	なべ小ねじ M2 L=6	(2)
5		WP-0220301-SC	WASHER M2	平座金みがき丸 M2	(2)
6		400-89028	BAR CODE READER CABLE ASM	バーコードリーダケーブル組	(1)
7		EA-9500B01-00	CABLE BAND	束線バンド	(2)
8		400-89259	BAR CODE READER MANUAL	バーコードリーダ取扱説明書	(1)

校正用

BARCODE SHEET

BARCODE SHEET

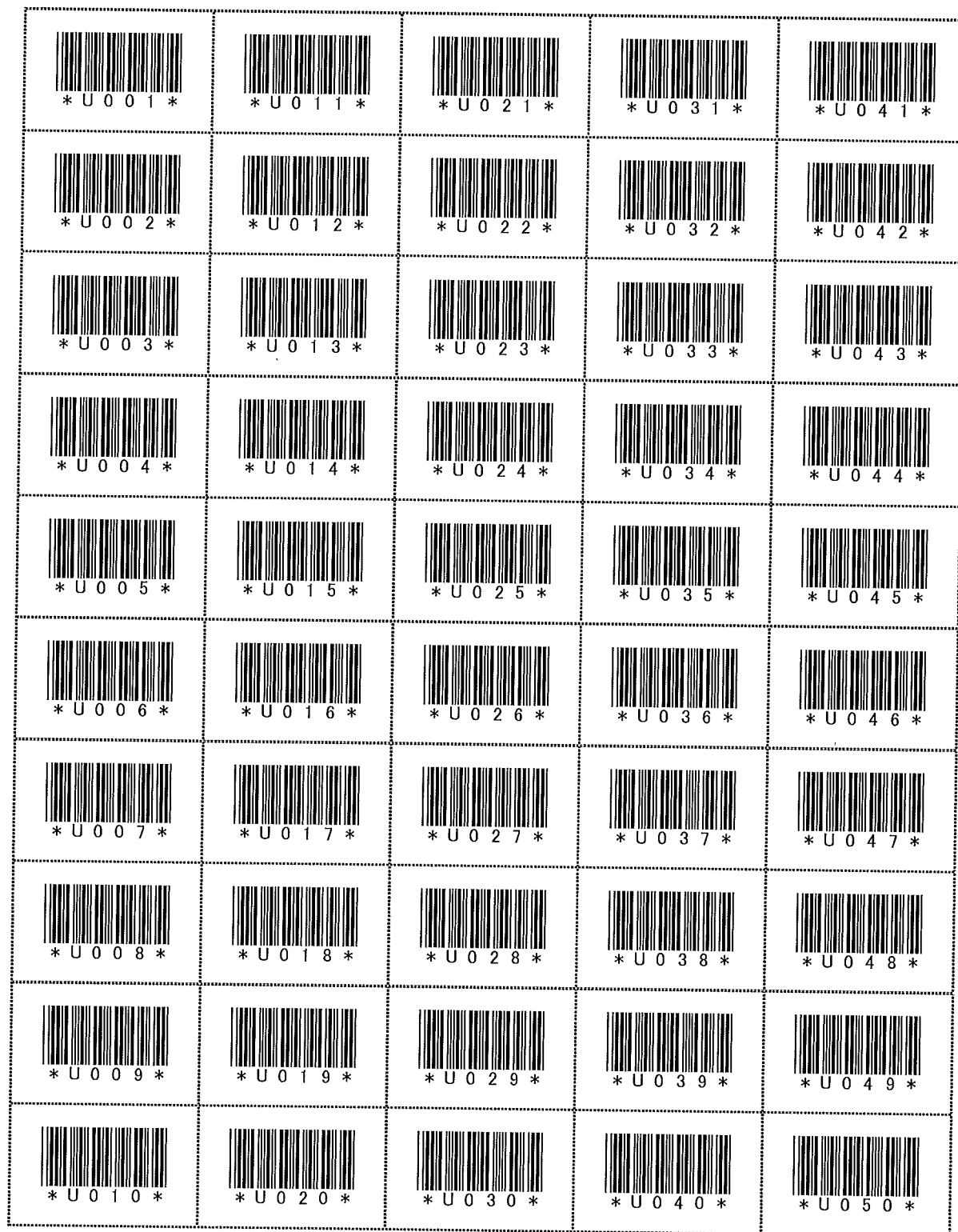
校正用

両サイドの余白が小さいと、読取り不良の原因になります。切り取り線に沿って切り離してください。

If the margin on both sides of the bar code is small, it may cause a reading error.

Cut the bar codes along the dotted lines.

如果条形码两侧的空白小的话，有可能发生读取异常。请沿着虚线剪下来使用。



BARCODE SHEET

ユーザーパターン No. 001 ~ 050 / User pattern No. 001 to 050. / 用户图案 No.001 ~ No.050

校正用

 * U 0 5 1 *	 * U 0 6 1 *	 * U 0 7 1 *	 * U 0 8 1 *	 * U 0 9 1 *
 * U 0 5 2 *	 * U 0 6 2 *	 * U 0 7 2 *	 * U 0 8 2 *	 * U 0 9 2 *
 * U 0 5 3 *	 * U 0 6 3 *	 * U 0 7 3 *	 * U 0 8 3 *	 * U 0 9 3 *
 * U 0 5 4 *	 * U 0 6 4 *	 * U 0 7 4 *	 * U 0 8 4 *	 * U 0 9 4 *
 * U 0 5 5 *	 * U 0 6 5 *	 * U 0 7 5 *	 * U 0 8 5 *	 * U 0 9 5 *
 * U 0 5 6 *	 * U 0 6 6 *	 * U 0 7 6 *	 * U 0 8 6 *	 * U 0 9 6 *
 * U 0 5 7 *	 * U 0 6 7 *	 * U 0 7 7 *	 * U 0 8 7 *	 * U 0 9 7 *
 * U 0 5 8 *	 * U 0 6 8 *	 * U 0 7 8 *	 * U 0 8 8 *	 * U 0 9 8 *
 * U 0 5 9 *	 * U 0 6 9 *	 * U 0 7 9 *	 * U 0 8 9 *	 * U 0 9 9 *
 * U 0 6 0 *	 * U 0 7 0 *	 * U 0 8 0 *	 * U 0 9 0 *	 * U 1 0 0 *

ユーザーパターン No. 051 ~ 100 / User pattern No. 051 to 100. / 用户图案 No.051 ~ No.100

 * U 1 0 1 *	 * U 1 1 1 *	 * U 1 2 1 *	 * U 1 3 1 *	 * U 1 4 1 *
 * U 1 0 2 *	 * U 1 1 2 *	 * U 1 2 2 *	 * U 1 3 2 *	 * U 1 4 2 *
 * U 1 0 3 *	 * U 1 1 3 *	 * U 1 2 3 *	 * U 1 3 3 *	 * U 1 4 3 *
 * U 1 0 4 *	 * U 1 1 4 *	 * U 1 2 4 *	 * U 1 3 4 *	 * U 1 4 4 *
 * U 1 0 5 *	 * U 1 1 5 *	 * U 1 2 5 *	 * U 1 3 5 *	 * U 1 4 5 *
 * U 1 0 6 *	 * U 1 1 6 *	 * U 1 2 6 *	 * U 1 3 6 *	 * U 1 4 6 *
 * U 1 0 7 *	 * U 1 1 7 *	 * U 1 2 7 *	 * U 1 3 7 *	 * U 1 4 7 *
 * U 1 0 8 *	 * U 1 1 8 *	 * U 1 2 8 *	 * U 1 3 8 *	 * U 1 4 8 *
 * U 1 0 9 *	 * U 1 1 9 *	 * U 1 2 9 *	 * U 1 3 9 *	 * U 1 4 9 *
 * U 1 1 0 *	 * U 1 2 0 *	 * U 1 3 0 *	 * U 1 4 0 *	 * U 1 5 0 *

BARCODE SHEET

ユーザーパターン No. 101 ~ 150 / User pattern No. 101 to 150. / 用户图案 No.101 ~ No.150

校正用

 * U 1 5 1 *	 * U 1 6 1 *	 * U 1 7 1 *	 * U 1 8 1 *	 * U 1 9 1 *
 * U 1 5 2 *	 * U 1 6 2 *	 * U 1 7 2 *	 * U 1 8 2 *	 * U 1 9 2 *
 * U 1 5 3 *	 * U 1 6 3 *	 * U 1 7 3 *	 * U 1 8 3 *	 * U 1 9 3 *
 * U 1 5 4 *	 * U 1 6 4 *	 * U 1 7 4 *	 * U 1 8 4 *	 * U 1 9 4 *
 * U 1 5 5 *	 * U 1 6 5 *	 * U 1 7 5 *	 * U 1 8 5 *	 * U 1 9 5 *
 * U 1 5 6 *	 * U 1 6 6 *	 * U 1 7 6 *	 * U 1 8 6 *	 * U 1 9 6 *
 * U 1 5 7 *	 * U 1 6 7 *	 * U 1 7 7 *	 * U 1 8 7 *	 * U 1 9 7 *
 * U 1 5 8 *	 * U 1 6 8 *	 * U 1 7 8 *	 * U 1 8 8 *	 * U 1 9 8 *
 * U 1 5 9 *	 * U 1 6 9 *	 * U 1 7 9 *	 * U 1 8 9 *	 * U 1 9 9 *
 * U 1 6 0 *	 * U 1 7 0 *	 * U 1 8 0 *	 * U 1 9 0 *	 * U 2 0 0 *

ユーザーパターン No. 151 ~ 200 / User pattern No. 151 to 200. / 用户图案 No.151 ~ No.200

校正用

 * U 2 0 1 *	 * U 2 1 1 *	 * U 2 2 1 *	 * U 2 3 1 *	 * U 2 4 1 *
 * U 2 0 2 *	 * U 2 1 2 *	 * U 2 2 2 *	 * U 2 3 2 *	 * U 2 4 2 *
 * U 2 0 3 *	 * U 2 1 3 *	 * U 2 2 3 *	 * U 2 3 3 *	 * U 2 4 3 *
 * U 2 0 4 *	 * U 2 1 4 *	 * U 2 2 4 *	 * U 2 3 4 *	 * U 2 4 4 *
 * U 2 0 5 *	 * U 2 1 5 *	 * U 2 2 5 *	 * U 2 3 5 *	 * U 2 4 5 *
 * U 2 0 6 *	 * U 2 1 6 *	 * U 2 2 6 *	 * U 2 3 6 *	 * U 2 4 6 *
 * U 2 0 7 *	 * U 2 1 7 *	 * U 2 2 7 *	 * U 2 3 7 *	 * U 2 4 7 *
 * U 2 0 8 *	 * U 2 1 8 *	 * U 2 2 8 *	 * U 2 3 8 *	 * U 2 4 8 *
 * U 2 0 9 *	 * U 2 1 9 *	 * U 2 2 9 *	 * U 2 3 9 *	 * U 2 4 9 *
 * U 2 1 0 *	 * U 2 2 0 *	 * U 2 3 0 *	 * U 2 4 0 *	 * U 2 5 0 *

BARCODE SHEET

ユーザーパターン No. 201 ~ 250 / User pattern No. 201 to 250. / 用户图案 No.201 ~ No.250

校正用

 * U 2 5 1 *	 * U 2 6 1 *	 * U 2 7 1 *	 * U 2 8 1 *	 * U 2 9 1 *
 * U 2 5 2 *	 * U 2 6 2 *	 * U 2 7 2 *	 * U 2 8 2 *	 * U 2 9 2 *
 * U 2 5 3 *	 * U 2 6 3 *	 * U 2 7 3 *	 * U 2 8 3 *	 * U 2 9 3 *
 * U 2 5 4 *	 * U 2 6 4 *	 * U 2 7 4 *	 * U 2 8 4 *	 * U 2 9 4 *
 * U 2 5 5 *	 * U 2 6 5 *	 * U 2 7 5 *	 * U 2 8 5 *	 * U 2 9 5 *
 * U 2 5 6 *	 * U 2 6 6 *	 * U 2 7 6 *	 * U 2 8 6 *	 * U 2 9 6 *
 * U 2 5 7 *	 * U 2 6 7 *	 * U 2 7 7 *	 * U 2 8 7 *	 * U 2 9 7 *
 * U 2 5 8 *	 * U 2 6 8 *	 * U 2 7 8 *	 * U 2 8 8 *	 * U 2 9 8 *
 * U 2 5 9 *	 * U 2 6 9 *	 * U 2 7 9 *	 * U 2 8 9 *	 * U 2 9 9 *
 * U 2 6 0 *	 * U 2 7 0 *	 * U 2 8 0 *	 * U 2 9 0 *	 * U 3 0 0 *

ユーザーパターン No. 251 ～ 300 / User pattern No. 251 to 300. / 用户图案 No.251 ～ No.300

校正用

 * U 3 0 1 *	 * U 3 1 1 *	 * U 3 2 1 *	 * U 3 3 1 *	 * U 3 4 1 *
 * U 3 0 2 *	 * U 3 1 2 *	 * U 3 2 2 *	 * U 3 3 2 *	 * U 3 4 2 *
 * U 3 0 3 *	 * U 3 1 3 *	 * U 3 2 3 *	 * U 3 3 3 *	 * U 3 4 3 *
 * U 3 0 4 *	 * U 3 1 4 *	 * U 3 2 4 *	 * U 3 3 4 *	 * U 3 4 4 *
 * U 3 0 5 *	 * U 3 1 5 *	 * U 3 2 5 *	 * U 3 3 5 *	 * U 3 4 5 *
 * U 3 0 6 *	 * U 3 1 6 *	 * U 3 2 6 *	 * U 3 3 6 *	 * U 3 4 6 *
 * U 3 0 7 *	 * U 3 1 7 *	 * U 3 2 7 *	 * U 3 3 7 *	 * U 3 4 7 *
 * U 3 0 8 *	 * U 3 1 8 *	 * U 3 2 8 *	 * U 3 3 8 *	 * U 3 4 8 *
 * U 3 0 9 *	 * U 3 1 9 *	 * U 3 2 9 *	 * U 3 3 9 *	 * U 3 4 9 *
 * U 3 1 0 *	 * U 3 2 0 *	 * U 3 3 0 *	 * U 3 4 0 *	 * U 3 5 0 *

ユーザーパターン No. 301 ~ 350 / User pattern No. 301 to 350. / 用户图案 No.301 ~ No.350

BARCODE SHEET

校正用

 * U 3 5 1 *	 * U 3 6 1 *	 * U 3 7 1 *	 * U 3 8 1 *	 * U 3 9 1 *
 * U 3 5 2 *	 * U 3 6 2 *	 * U 3 7 2 *	 * U 3 8 2 *	 * U 3 9 2 *
 * U 3 5 3 *	 * U 3 6 3 *	 * U 3 7 3 *	 * U 3 8 3 *	 * U 3 9 3 *
 * U 3 5 4 *	 * U 3 6 4 *	 * U 3 7 4 *	 * U 3 8 4 *	 * U 3 9 4 *
 * U 3 5 5 *	 * U 3 6 5 *	 * U 3 7 5 *	 * U 3 8 5 *	 * U 3 9 5 *
 * U 3 5 6 *	 * U 3 6 6 *	 * U 3 7 6 *	 * U 3 8 6 *	 * U 3 9 6 *
 * U 3 5 7 *	 * U 3 6 7 *	 * U 3 7 7 *	 * U 3 8 7 *	 * U 3 9 7 *
 * U 3 5 8 *	 * U 3 6 8 *	 * U 3 7 8 *	 * U 3 8 8 *	 * U 3 9 8 *
 * U 3 5 9 *	 * U 3 6 9 *	 * U 3 7 9 *	 * U 3 8 9 *	 * U 3 9 9 *
 * U 3 6 0 *	 * U 3 7 0 *	 * U 3 8 0 *	 * U 3 9 0 *	 * U 4 0 0 *

ユーザーパターン No. 351 ~ 400 / User pattern No. 351 to 400. / 用户图案 No.351 ~ No.400

校正用

 * U 4 0 1 *	 * U 4 1 1 *	 * U 4 2 1 *	 * U 4 3 1 *	 * U 4 4 1 *
 * U 4 0 2 *	 * U 4 1 2 *	 * U 4 2 2 *	 * U 4 3 2 *	 * U 4 4 2 *
 * U 4 0 3 *	 * U 4 1 3 *	 * U 4 2 3 *	 * U 4 3 3 *	 * U 4 4 3 *
 * U 4 0 4 *	 * U 4 1 4 *	 * U 4 2 4 *	 * U 4 3 4 *	 * U 4 4 4 *
 * U 4 0 5 *	 * U 4 1 5 *	 * U 4 2 5 *	 * U 4 3 5 *	 * U 4 4 5 *
 * U 4 0 6 *	 * U 4 1 6 *	 * U 4 2 6 *	 * U 4 3 6 *	 * U 4 4 6 *
 * U 4 0 7 *	 * U 4 1 7 *	 * U 4 2 7 *	 * U 4 3 7 *	 * U 4 4 7 *
 * U 4 0 8 *	 * U 4 1 8 *	 * U 4 2 8 *	 * U 4 3 8 *	 * U 4 4 8 *
 * U 4 0 9 *	 * U 4 1 9 *	 * U 4 2 9 *	 * U 4 3 9 *	 * U 4 4 9 *
 * U 4 1 0 *	 * U 4 2 0 *	 * U 4 3 0 *	 * U 4 4 0 *	 * U 4 5 0 *

BARCODE SHEET

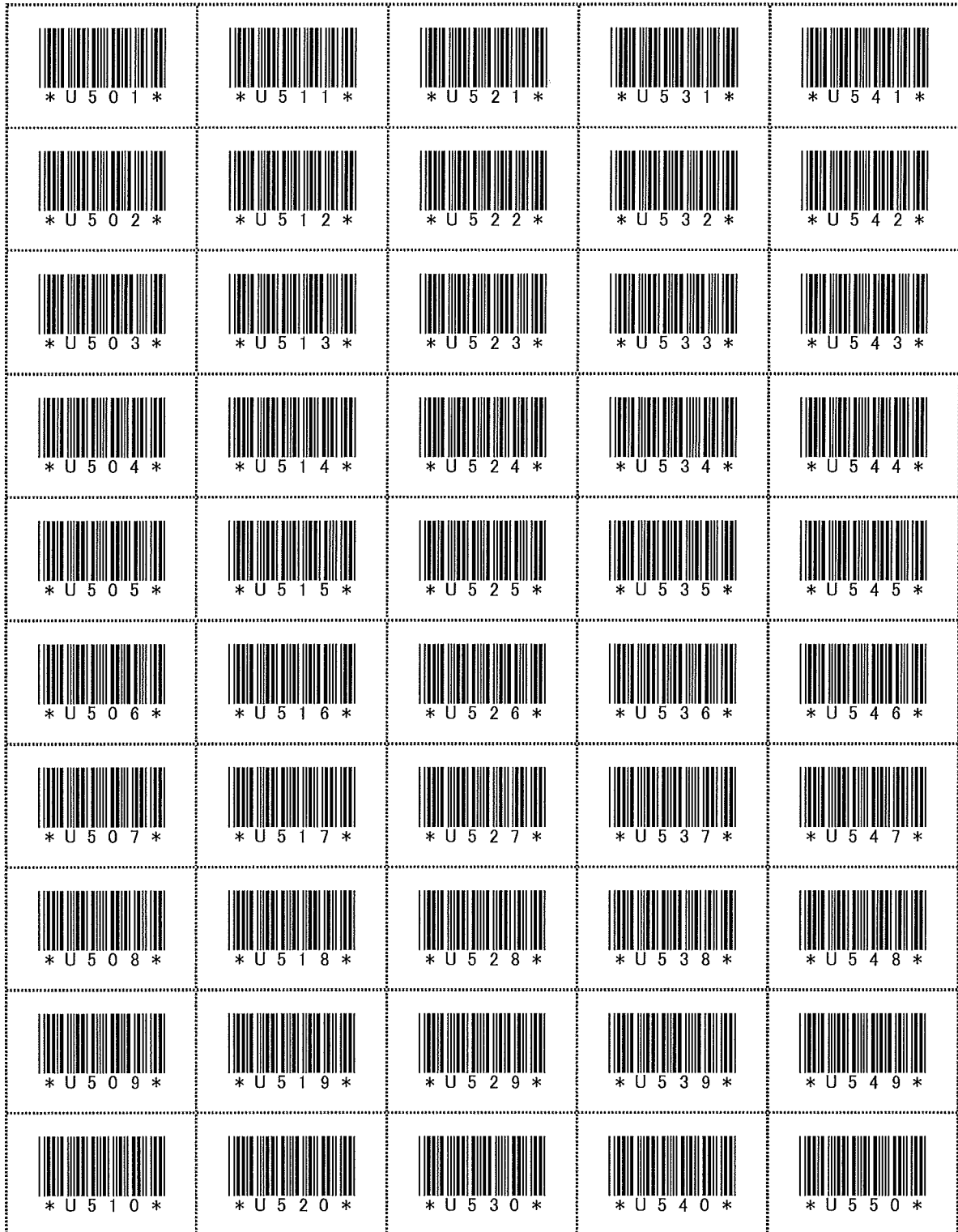
ユーザーパターン No. 401 ~ 450 / User pattern No. 401 to 450. / 用户图案 No.401 ~ No.450

校正用

 * U 4 5 1 *	 * U 4 6 1 *	 * U 4 7 1 *	 * U 4 8 1 *	 * U 4 9 1 *
 * U 4 5 2 *	 * U 4 6 2 *	 * U 4 7 2 *	 * U 4 8 2 *	 * U 4 9 2 *
 * U 4 5 3 *	 * U 4 6 3 *	 * U 4 7 3 *	 * U 4 8 3 *	 * U 4 9 3 *
 * U 4 5 4 *	 * U 4 6 4 *	 * U 4 7 4 *	 * U 4 8 4 *	 * U 4 9 4 *
 * U 4 5 5 *	 * U 4 6 5 *	 * U 4 7 5 *	 * U 4 8 5 *	 * U 4 9 5 *
 * U 4 5 6 *	 * U 4 6 6 *	 * U 4 7 6 *	 * U 4 8 6 *	 * U 4 9 6 *
 * U 4 5 7 *	 * U 4 6 7 *	 * U 4 7 7 *	 * U 4 8 7 *	 * U 4 9 7 *
 * U 4 5 8 *	 * U 4 6 8 *	 * U 4 7 8 *	 * U 4 8 8 *	 * U 4 9 8 *
 * U 4 5 9 *	 * U 4 6 9 *	 * U 4 7 9 *	 * U 4 8 9 *	 * U 4 9 9 *
 * U 4 6 0 *	 * U 4 7 0 *	 * U 4 8 0 *	 * U 4 9 0 *	 * U 5 0 0 *

ユーザーパターン No. 451 ~ 500 / User pattern No. 451 to 500. / 用户图案 No.451 ~ No.500

校正用



BARCODE SHEET

ユーザーパターン No. 501 ~ 550 / User pattern No. 501 to 550. / 用户图案 No.501 ~ No.550

校正用

 * U 5 5 1 *	 * U 5 6 1 *	 * U 5 7 1 *	 * U 5 8 1 *	 * U 5 9 1 *
 * U 5 5 2 *	 * U 5 6 2 *	 * U 5 7 2 *	 * U 5 8 2 *	 * U 5 9 2 *
 * U 5 5 3 *	 * U 5 6 3 *	 * U 5 7 3 *	 * U 5 8 3 *	 * U 5 9 3 *
 * U 5 5 4 *	 * U 5 6 4 *	 * U 5 7 4 *	 * U 5 8 4 *	 * U 5 9 4 *
 * U 5 5 5 *	 * U 5 6 5 *	 * U 5 7 5 *	 * U 5 8 5 *	 * U 5 9 5 *
 * U 5 5 6 *	 * U 5 6 6 *	 * U 5 7 6 *	 * U 5 8 6 *	 * U 5 9 6 *
 * U 5 5 7 *	 * U 5 6 7 *	 * U 5 7 7 *	 * U 5 8 7 *	 * U 5 9 7 *
 * U 5 5 8 *	 * U 5 6 8 *	 * U 5 7 8 *	 * U 5 8 8 *	 * U 5 9 8 *
 * U 5 5 9 *	 * U 5 6 9 *	 * U 5 7 9 *	 * U 5 8 9 *	 * U 5 9 9 *
 * U 5 6 0 *	 * U 5 7 0 *	 * U 5 8 0 *	 * U 5 9 0 *	 * U 6 0 0 *

ユーザーパターン No. 551 ～ 600 / User pattern No. 551 to 600. / 用户图案 No.551 ～ No.600

 * U 6 0 1 *	 * U 6 1 1 *	 * U 6 2 1 *	 * U 6 3 1 *	 * U 6 4 1 *
 * U 6 0 2 *	 * U 6 1 2 *	 * U 6 2 2 *	 * U 6 3 2 *	 * U 6 4 2 *
 * U 6 0 3 *	 * U 6 1 3 *	 * U 6 2 3 *	 * U 6 3 3 *	 * U 6 4 3 *
 * U 6 0 4 *	 * U 6 1 4 *	 * U 6 2 4 *	 * U 6 3 4 *	 * U 6 4 4 *
 * U 6 0 5 *	 * U 6 1 5 *	 * U 6 2 5 *	 * U 6 3 5 *	 * U 6 4 5 *
 * U 6 0 6 *	 * U 6 1 6 *	 * U 6 2 6 *	 * U 6 3 6 *	 * U 6 4 6 *
 * U 6 0 7 *	 * U 6 1 7 *	 * U 6 2 7 *	 * U 6 3 7 *	 * U 6 4 7 *
 * U 6 0 8 *	 * U 6 1 8 *	 * U 6 2 8 *	 * U 6 3 8 *	 * U 6 4 8 *
 * U 6 0 9 *	 * U 6 1 9 *	 * U 6 2 9 *	 * U 6 3 9 *	 * U 6 4 9 *
 * U 6 1 0 *	 * U 6 2 0 *	 * U 6 3 0 *	 * U 6 4 0 *	 * U 6 5 0 *

BARCODE SHEET

ユーザーパターン No. 601 ~ 650 / User pattern No. 601 to 650. / 用户图案 No.601 ~ No.650

校正用

 * U 6 5 1 *	 * U 6 6 1 *	 * U 6 7 1 *	 * U 6 8 1 *	 * U 6 9 1 *
 * U 6 5 2 *	 * U 6 6 2 *	 * U 6 7 2 *	 * U 6 8 2 *	 * U 6 9 2 *
 * U 6 5 3 *	 * U 6 6 3 *	 * U 6 7 3 *	 * U 6 8 3 *	 * U 6 9 3 *
 * U 6 5 4 *	 * U 6 6 4 *	 * U 6 7 4 *	 * U 6 8 4 *	 * U 6 9 4 *
 * U 6 5 5 *	 * U 6 6 5 *	 * U 6 7 5 *	 * U 6 8 5 *	 * U 6 9 5 *
 * U 6 5 6 *	 * U 6 6 6 *	 * U 6 7 6 *	 * U 6 8 6 *	 * U 6 9 6 *
 * U 6 5 7 *	 * U 6 6 7 *	 * U 6 7 7 *	 * U 6 8 7 *	 * U 6 9 7 *
 * U 6 5 8 *	 * U 6 6 8 *	 * U 6 7 8 *	 * U 6 8 8 *	 * U 6 9 8 *
 * U 6 5 9 *	 * U 6 6 9 *	 * U 6 7 9 *	 * U 6 8 9 *	 * U 6 9 9 *
 * U 6 6 0 *	 * U 6 7 0 *	 * U 6 8 0 *	 * U 6 9 0 *	 * U 7 0 0 *

ユーザーパターン No. 651 ~ 700 / User pattern No. 651 to 700. / 用户图案 No.651 ~ No.700

校正用

 * U 7 0 1 *	 * U 7 1 1 *	 * U 7 2 1 *	 * U 7 3 1 *	 * U 7 4 1 *
 * U 7 0 2 *	 * U 7 1 2 *	 * U 7 2 2 *	 * U 7 3 2 *	 * U 7 4 2 *
 * U 7 0 3 *	 * U 7 1 3 *	 * U 7 2 3 *	 * U 7 3 3 *	 * U 7 4 3 *
 * U 7 0 4 *	 * U 7 1 4 *	 * U 7 2 4 *	 * U 7 3 4 *	 * U 7 4 4 *
 * U 7 0 5 *	 * U 7 1 5 *	 * U 7 2 5 *	 * U 7 3 5 *	 * U 7 4 5 *
 * U 7 0 6 *	 * U 7 1 6 *	 * U 7 2 6 *	 * U 7 3 6 *	 * U 7 4 6 *
 * U 7 0 7 *	 * U 7 1 7 *	 * U 7 2 7 *	 * U 7 3 7 *	 * U 7 4 7 *
 * U 7 0 8 *	 * U 7 1 8 *	 * U 7 2 8 *	 * U 7 3 8 *	 * U 7 4 8 *
 * U 7 0 9 *	 * U 7 1 9 *	 * U 7 2 9 *	 * U 7 3 9 *	 * U 7 4 9 *
 * U 7 1 0 *	 * U 7 2 0 *	 * U 7 3 0 *	 * U 7 4 0 *	 * U 7 5 0 *

BARCODE SHEET

ユーザーパターン No. 701 ~ 750 / User pattern No. 701 to 750. / 用户图案 No.701 ~ No.750

校正用

 * U 7 5 1 *	 * U 7 6 1 *	 * U 7 7 1 *	 * U 7 8 1 *	 * U 7 9 1 *
 * U 7 5 2 *	 * U 7 6 2 *	 * U 7 7 2 *	 * U 7 8 2 *	 * U 7 9 2 *
 * U 7 5 3 *	 * U 7 6 3 *	 * U 7 7 3 *	 * U 7 8 3 *	 * U 7 9 3 *
 * U 7 5 4 *	 * U 7 6 4 *	 * U 7 7 4 *	 * U 7 8 4 *	 * U 7 9 4 *
 * U 7 5 5 *	 * U 7 6 5 *	 * U 7 7 5 *	 * U 7 8 5 *	 * U 7 9 5 *
 * U 7 5 6 *	 * U 7 6 6 *	 * U 7 7 6 *	 * U 7 8 6 *	 * U 7 9 6 *
 * U 7 5 7 *	 * U 7 6 7 *	 * U 7 7 7 *	 * U 7 8 7 *	 * U 7 9 7 *
 * U 7 5 8 *	 * U 7 6 8 *	 * U 7 7 8 *	 * U 7 8 8 *	 * U 7 9 8 *
 * U 7 5 9 *	 * U 7 6 9 *	 * U 7 7 9 *	 * U 7 8 9 *	 * U 7 9 9 *
 * U 7 6 0 *	 * U 7 7 0 *	 * U 7 8 0 *	 * U 7 9 0 *	 * U 8 0 0 *

ユーザーパターン No. 751 ~ 800 / User pattern No. 751 to 800. / 用户图案 No.751 ~ No.800

 * U 8 0 1 *	 * U 8 1 1 *	 * U 8 2 1 *	 * U 8 3 1 *	 * U 8 4 1 *
 * U 8 0 2 *	 * U 8 1 2 *	 * U 8 2 2 *	 * U 8 3 2 *	 * U 8 4 2 *
 * U 8 0 3 *	 * U 8 1 3 *	 * U 8 2 3 *	 * U 8 3 3 *	 * U 8 4 3 *
 * U 8 0 4 *	 * U 8 1 4 *	 * U 8 2 4 *	 * U 8 3 4 *	 * U 8 4 4 *
 * U 8 0 5 *	 * U 8 1 5 *	 * U 8 2 5 *	 * U 8 3 5 *	 * U 8 4 5 *
 * U 8 0 6 *	 * U 8 1 6 *	 * U 8 2 6 *	 * U 8 3 6 *	 * U 8 4 6 *
 * U 8 0 7 *	 * U 8 1 7 *	 * U 8 2 7 *	 * U 8 3 7 *	 * U 8 4 7 *
 * U 8 0 8 *	 * U 8 1 8 *	 * U 8 2 8 *	 * U 8 3 8 *	 * U 8 4 8 *
 * U 8 0 9 *	 * U 8 1 9 *	 * U 8 2 9 *	 * U 8 3 9 *	 * U 8 4 9 *
 * U 8 1 0 *	 * U 8 2 0 *	 * U 8 3 0 *	 * U 8 4 0 *	 * U 8 5 0 *

ユーザーパターン No. 801 ~ 850 / User pattern No. 801 to 850. / 用户图案 No.801 ~ No.850

BARCODE SHEET

校正用

 * U 8 5 1 *	 * U 8 6 1 *	 * U 8 7 1 *	 * U 8 8 1 *	 * U 8 9 1 *
 * U 8 5 2 *	 * U 8 6 2 *	 * U 8 7 2 *	 * U 8 8 2 *	 * U 8 9 2 *
 * U 8 5 3 *	 * U 8 6 3 *	 * U 8 7 3 *	 * U 8 8 3 *	 * U 8 9 3 *
 * U 8 5 4 *	 * U 8 6 4 *	 * U 8 7 4 *	 * U 8 8 4 *	 * U 8 9 4 *
 * U 8 5 5 *	 * U 8 6 5 *	 * U 8 7 5 *	 * U 8 8 5 *	 * U 8 9 5 *
 * U 8 5 6 *	 * U 8 6 6 *	 * U 8 7 6 *	 * U 8 8 6 *	 * U 8 9 6 *
 * U 8 5 7 *	 * U 8 6 7 *	 * U 8 7 7 *	 * U 8 8 7 *	 * U 8 9 7 *
 * U 8 5 8 *	 * U 8 6 8 *	 * U 8 7 8 *	 * U 8 8 8 *	 * U 8 9 8 *
 * U 8 5 9 *	 * U 8 6 9 *	 * U 8 7 9 *	 * U 8 8 9 *	 * U 8 9 9 *
 * U 8 6 0 *	 * U 8 7 0 *	 * U 8 8 0 *	 * U 8 9 0 *	 * U 9 0 0 *

ユーザーパターン No. 851 ~ 900 / User pattern No. 851 to 900. / 用户图案 No.851 ~ No.900

校正用

 * U 9 0 1 *	 * U 9 1 1 *	 * U 9 2 1 *	 * U 9 3 1 *	 * U 9 4 1 *
 * U 9 0 2 *	 * U 9 1 2 *	 * U 9 2 2 *	 * U 9 3 2 *	 * U 9 4 2 *
 * U 9 0 3 *	 * U 9 1 3 *	 * U 9 2 3 *	 * U 9 3 3 *	 * U 9 4 3 *
 * U 9 0 4 *	 * U 9 1 4 *	 * U 9 2 4 *	 * U 9 3 4 *	 * U 9 4 4 *
 * U 9 0 5 *	 * U 9 1 5 *	 * U 9 2 5 *	 * U 9 3 5 *	 * U 9 4 5 *
 * U 9 0 6 *	 * U 9 1 6 *	 * U 9 2 6 *	 * U 9 3 6 *	 * U 9 4 6 *
 * U 9 0 7 *	 * U 9 1 7 *	 * U 9 2 7 *	 * U 9 3 7 *	 * U 9 4 7 *
 * U 9 0 8 *	 * U 9 1 8 *	 * U 9 2 8 *	 * U 9 3 8 *	 * U 9 4 8 *
 * U 9 0 9 *	 * U 9 1 9 *	 * U 9 2 9 *	 * U 9 3 9 *	 * U 9 4 9 *
 * U 9 1 0 *	 * U 9 2 0 *	 * U 9 3 0 *	 * U 9 4 0 *	 * U 9 5 0 *

ユーザーパターン No. 901 ~ 950 / User pattern No. 901 to 950. / 用户图案 No.901 ~ No.950

BARCODE SHEET

校正用

 * U 9 5 1 *	 * U 9 6 1 *	 * U 9 7 1 *	 * U 9 8 1 *	 * U 9 9 1 *
 * U 9 5 2 *	 * U 9 6 2 *	 * U 9 7 2 *	 * U 9 8 2 *	 * U 9 9 2 *
 * U 9 5 3 *	 * U 9 6 3 *	 * U 9 7 3 *	 * U 9 8 3 *	 * U 9 9 3 *
 * U 9 5 4 *	 * U 9 6 4 *	 * U 9 7 4 *	 * U 9 8 4 *	 * U 9 9 4 *
 * U 9 5 5 *	 * U 9 6 5 *	 * U 9 7 5 *	 * U 9 8 5 *	 * U 9 9 5 *
 * U 9 5 6 *	 * U 9 6 6 *	 * U 9 7 6 *	 * U 9 8 6 *	 * U 9 9 6 *
 * U 9 5 7 *	 * U 9 6 7 *	 * U 9 7 7 *	 * U 9 8 7 *	 * U 9 9 7 *
 * U 9 5 8 *	 * U 9 6 8 *	 * U 9 7 8 *	 * U 9 8 8 *	 * U 9 9 8 *
 * U 9 5 9 *	 * U 9 6 9 *	 * U 9 7 9 *	 * U 9 8 9 *	 * U 9 9 9 *
 * U 9 6 0 *	 * U 9 7 0 *	 * U 9 8 0 *	 * U 9 9 0 *	

ユーザーパターン No. 951 ~ 999 / User pattern No. 051 to 999. / 用户图案 No.951 ~ No.999

校正用

 * D 0 0 1 *	 * D 0 1 1 *	 * D 0 2 1 *	 * D 0 3 1 *	 * D 0 4 1 *
 * D 0 0 2 *	 * D 0 1 2 *	 * D 0 2 2 *	 * D 0 3 2 *	 * D 0 4 2 *
 * D 0 0 3 *	 * D 0 1 3 *	 * D 0 2 3 *	 * D 0 3 3 *	 * D 0 4 3 *
 * D 0 0 4 *	 * D 0 1 4 *	 * D 0 2 4 *	 * D 0 3 4 *	 * D 0 4 4 *
 * D 0 0 5 *	 * D 0 1 5 *	 * D 0 2 5 *	 * D 0 3 5 *	 * D 0 4 5 *
 * D 0 0 6 *	 * D 0 1 6 *	 * D 0 2 6 *	 * D 0 3 6 *	 * D 0 4 6 *
 * D 0 0 7 *	 * D 0 1 7 *	 * D 0 2 7 *	 * D 0 3 7 *	 * D 0 4 7 *
 * D 0 0 8 *	 * D 0 1 8 *	 * D 0 2 8 *	 * D 0 3 8 *	 * D 0 4 8 *
 * D 0 0 9 *	 * D 0 1 9 *	 * D 0 2 9 *	 * D 0 3 9 *	 * D 0 4 9 *
 * D 0 1 0 *	 * D 0 2 0 *	 * D 0 3 0 *	 * D 0 4 0 *	 * D 0 5 0 *

ダイレクトパターン No. 001 ~ 050 / Direct pattern No. 001 to 050. / 直接图案 No.001 ~ No.050

BARCODE SHEET

校正用

A large rectangular box with rounded corners, designed for writing. It contains 18 horizontal lines, with a larger blank space at the top and the lines filling the lower portion of the box.

MEMO

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

校正用

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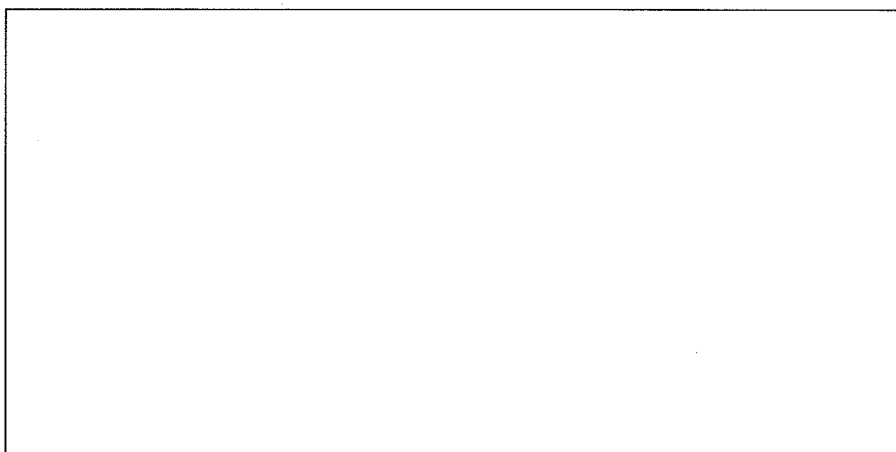
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