

PARTS LIST & INSTRUCTION

SQ *SERIES*

Industrial Sewing Machines

SQ7800 series

SQ7700 series

Collier Equipment

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KANSAS
SPECIAL®

パーツブック御利用に際して

■このパーツブックは、2021年2月製造中のSQシリーズのデータに基づいて作成されたものです。

■各機構別に収録され、左側のページに分解イラスト図、右側のページに部品番号、名称、及び数量が記載されています。

■この本の最後に部品番号インデックスを記載しています。
部品番号からの図解、名称の検索に御利用下さい。

■部品は、予告なく変更される場合がありますので、あらかじめ御了承下さい。

INTRODUCTION

■ This parts book is based on data current February 2021.

■ Each mechanism is arranged on facing pages. You will find listed for parts number, names, and quantities.

■ A parts number index is attached to the back of this book for convenience.

■ Parts are subject to change without notice.

SQシリーズ 表示方法

SQ SERIES INFORMATION

■SQシリーズ" は二重環縫い腕送り出しマシンです。

SQ series is double chainstitch feed off the arm machine.

■針幅です。(インチ)

Needle width (inch)

■78 : 厚物用 針棒ストローク:33.3mm

78 : For Heavy duty, Needle stroke : 33.3mm

77 : 薄物~中厚用 針棒ストローク:31.3mm

77 : For Light to Medium heavy, Needle stroke : 31.3mm

SQ7803LR-L/PF-HB/AF/DD/PT-1/4

■3は3本針です。

3 is 3 Needle machine.

■LRは左右差動送りです。

LR for Left & Right differential feed.

FBは前後差動送りです。

FB for Front & Back differential feed.

■テープ付け専用マシンです。 L for Attaching Tape

L-TC2はテープカッター装置付です。

L-TC2 is with tape cutter device.

■/PT : ペDESTALスタンド, テーブル同梱

/PT : With Pedestal stand
& Table top
to combine shipping

■/DD : ホーシンダイレクトモータ付

/DD : With Ho hsing direct motor

■/PF-HB/AF or PF/AF : レーシング製プラーセット+エア式押え装置

/PF-HB/AF or PF/AF : Racing Puller set + Pneumatic presser foot

/PF-HB/AF/CS4 : レーシング製プラーセット+エア式押え装置+空環切り装置

/PF-HB/AF/CS4 : Racing Puller set + Pneumatic presser foot + chain cutter

-AP : エア式押え装置 (オプション) 注) PF装置と同時に使用できません。

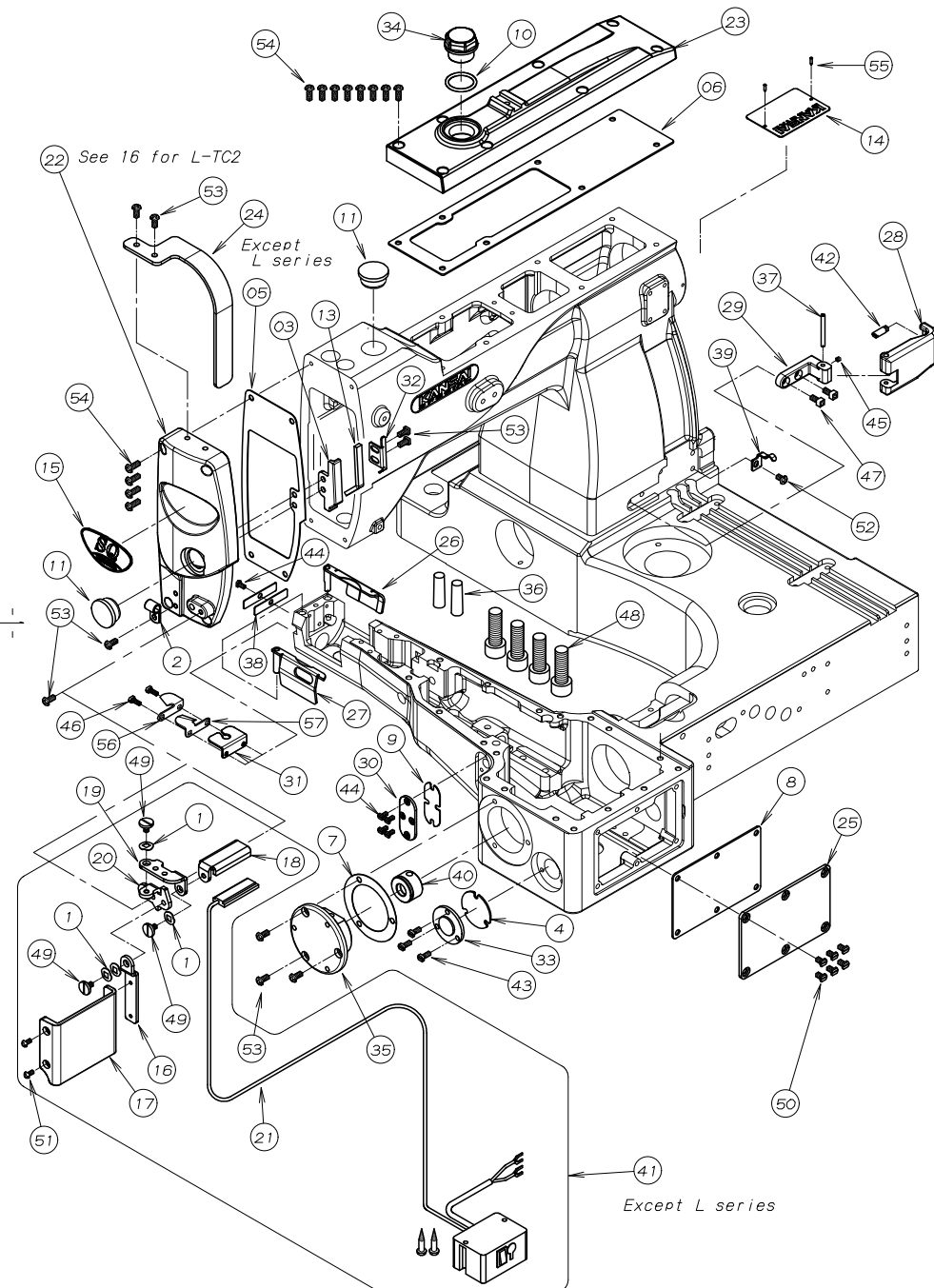
-AP : Pneumatic Presser foot device (option)

cannot be used with PF device

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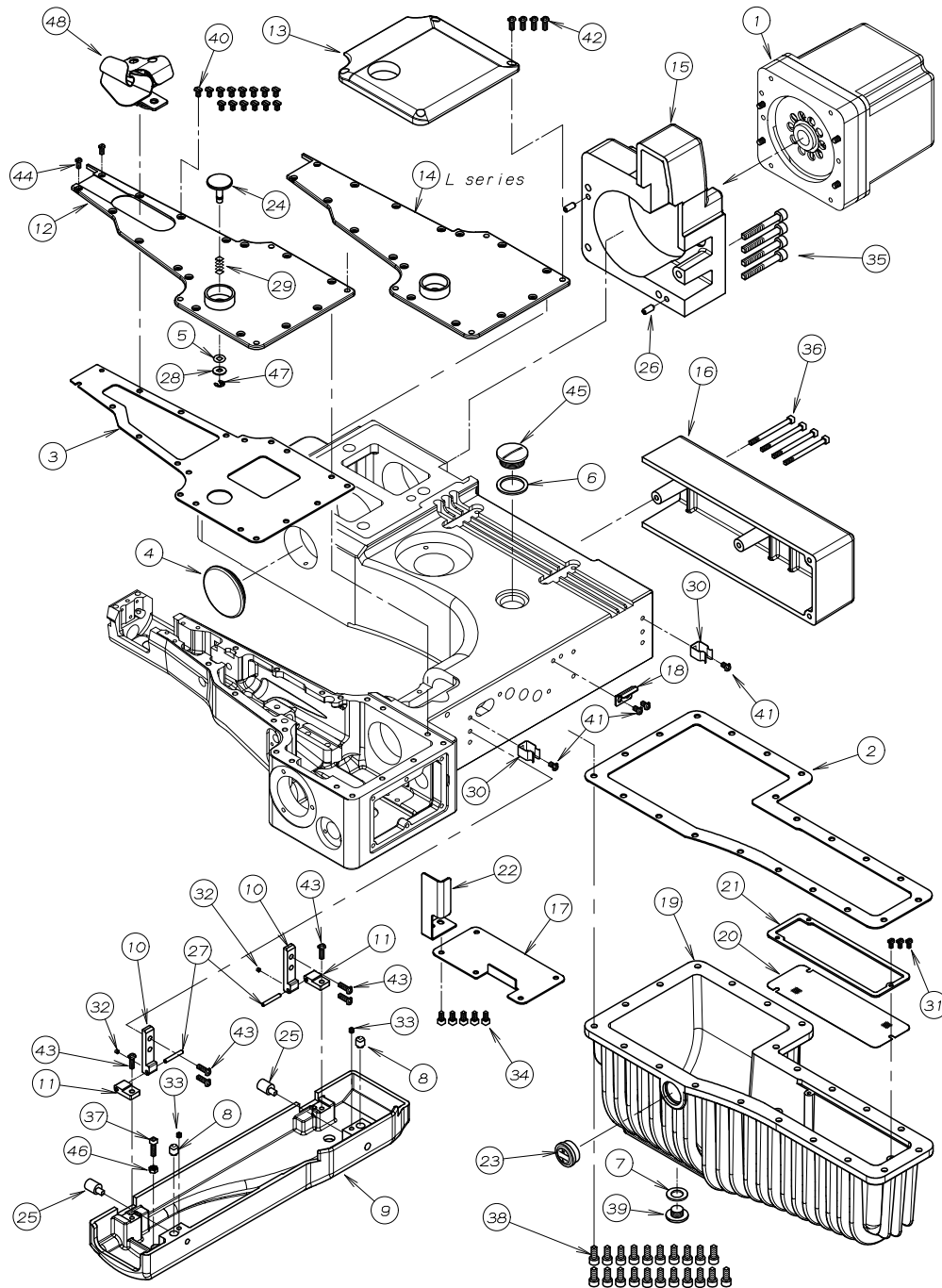
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1. フレーム関係 (1) FRAME ASSEMBLY (1)



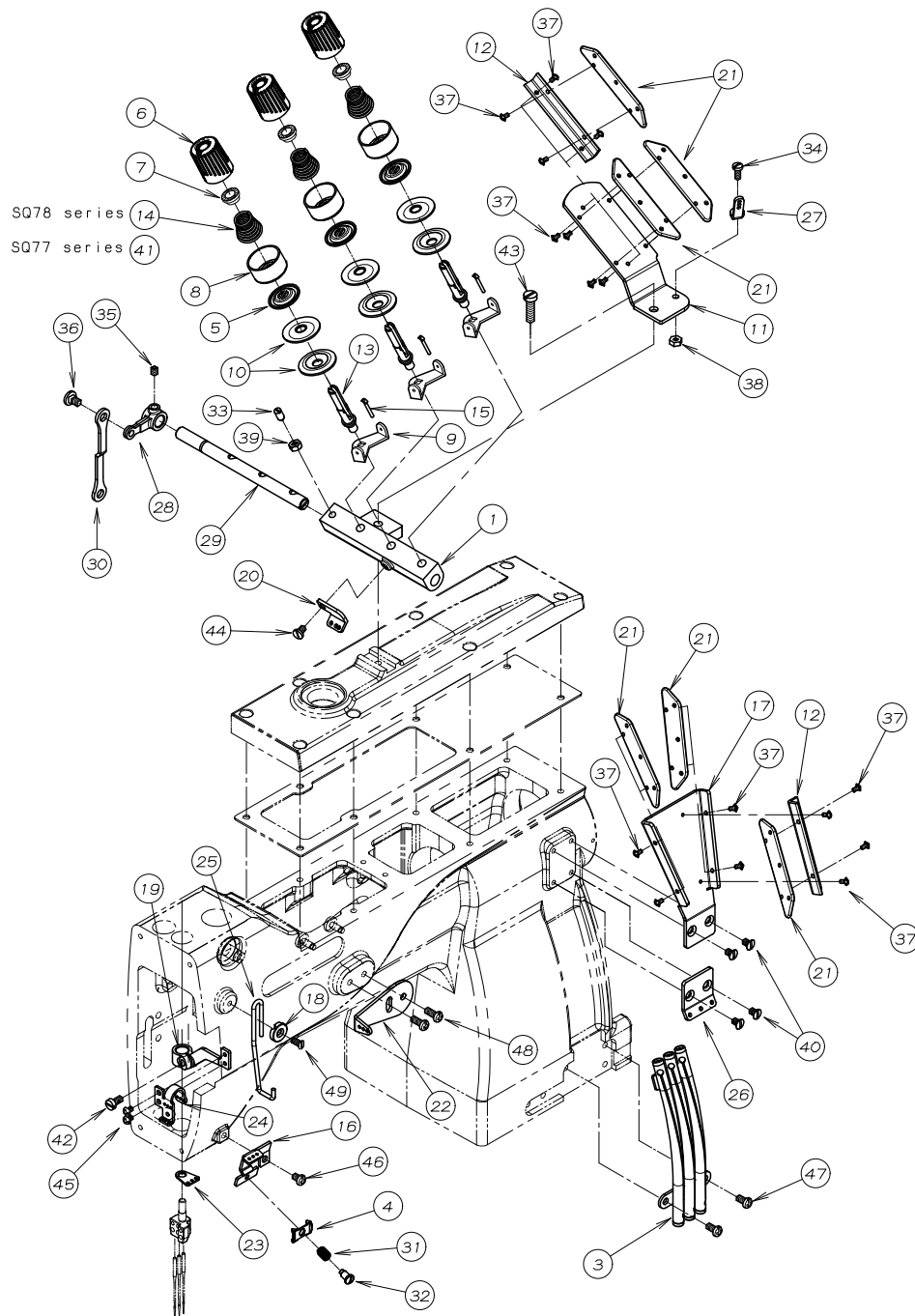
REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
01-01	02-119	波座金	WASHER	4
01-02	06-935	コードクリップ	CORD CLAMP	1
01-03	21-1008	側面板	SIDE PLATE	1
01-04	23-049	弓ヒン油止めハッキン	GASKET	1
01-05	23-092	面板ハッキン	GASKET	1
01-06	23-093	トップカハハハッキン	GASKET	1
01-07	23-095	フレンシハッキン	GASKET	1
01-08	23-096	前カハハハッキン	GASKET	1
01-09	23-098	ルーハ駆動ヒンカハハハッキン	GASKET	1
01-10	23-287	Oリング	O RING	1
01-11	23-427	コム栓	PLUG	2
01-12				
01-13	23-581	フェルト	FELT	1
01-14	24-053	モデルステッカー	TYPE PLATE	1
01-15	24-072	機種プレート	MODEL PLATE	1
01-16	27-240	アイカードヒンジ (2)	HINGE	1
01-17	27-241	アイカード	EYE GUARD	1
01-18	27-385	LED用ブラケット (A)	BRACKET (A)	1
01-19	27-387	LED用ヒンジ	HINGE	1
01-20	27-388	アイカードヒンジ (LED)	HINGE	1
01-21	27-389	LEDライト	LED LIGHT	1
01-22	27-395	面板	HEAD COVER	1
01-23	27-396	トップカハ	TOP COVER	1
01-24	27-444	針棒カハ	NEEDLE BAR COVER	1
01-25	27-449	前カハ	FRONT COVER	1
01-26	27-450	右ルーハカハ	RIGHT LOOPER COVER	1
01-27	27-456	左ルーハカハ	LEFT LOOPER COVER	1
01-28	27-463	下系カハ	COVER	1
01-29	27-464	下系カハヒンジ	HINGE	1
01-30	27-468	ルーハ駆動ヒンカハ	COVER	1
01-31	27-645	安全カバー	COVER	1
01-32	27-667	フェルト押え	FELT HOLDER	1
01-33	39-003	油止め板	COVER	1
01-34	39-235	オイルポット	OIL POT	1
01-35	69-040	フレンシ	FLANGE	1
01-36	71-268	テーハヒン	PIN	2
01-37	71-990	平行ヒン	PIN	1
01-38	79-605	ルーハカハ押え	SPRING	2
01-39	79-606	カハ止めハネ	SPRING	1
01-40	81-059	フレンシ用ブッシュ	BUSHING	1
01-41	20-6165	LED用ブラケットセット	LED LIGHT ASS'Y	1
01-42	84-573	段ネジ	SCREW	1
01-43	87-010	ネジ	SCREW	3
01-44	87-090	ネジ	SCREW	5
01-45	87-104	ネジ	SCREW	1
01-46	87-128	ネジ	SCREW	2
01-47	87-177	六角穴付きボルト	BOLT	2
01-48	87-228	六角穴付きボルト	BOLT	4
01-49	87-264	段ネジ	SCREW	3
01-50	87-415	ネジ	SCREW	6
01-51	87-477	プラマイナベ小ねじ	SCREW	2
01-52	87-481	プラマイナベ小ねじ	SCREW	1
01-53	87-482	プラマイナベ小ねじ	SCREW	9
01-54	87-483	プラマイナベ小ねじ	SCREW	12
01-55	93-701	ヒン	PIN	2
01-56	98-662	カッター (下)	CHAIN-OFF CUTTING KNIFE (LOWER)	1
01-57	98-663	カッター (上)	CHAIN-OFF CUTTING KNIFE (UPPER)	1

2. フレーム関係 (2) FRAME ASSEMBLY (2)



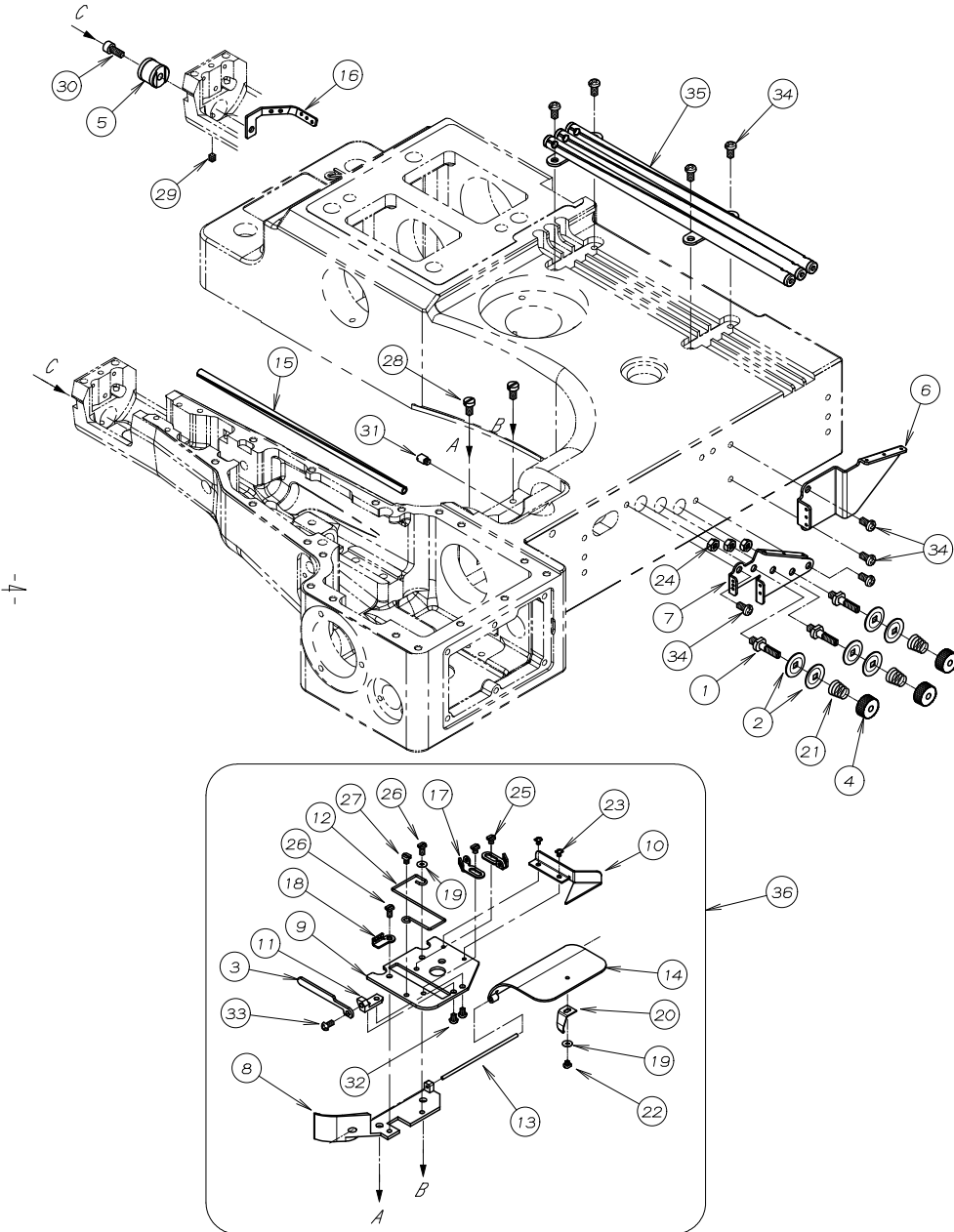
REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
02-01	59-034	ダイレクトモータセット	DIRECT DRIVE MOTOR ASS'Y	1
02-02	23-091	オイルタンクハッキン	GASKET	1
02-03	23-094	シリンダーカハハッキン	GASKET	1
02-04	23-097	中間軸用コム線	PLUG	1
02-05	23-183	O-リング	O-RING	1
02-06	23-298	フタネジ用シール	SEAL	1
02-07	23-304	シール	SEAL	1
02-08	23-526	コム栓	PLUG	2
02-09	27-397	前糸道カハ	LOOPER THREAD FRONT COVER	1
02-10	27-398	前カハヘンシ A	HINGE A	2
02-11	27-399	前カハヘンシ B	HINGE B	2
02-12	27-673	シリンダーカバー	CYLINDER COVER	1
02-13	27-458	上ハースカハ	UPPER COVER	1
02-14	27-672	シリンダーカバー	CYLINDER COVER	1
02-15	27-460	ベルトフ ラケット	BELT BRACKET	1
02-16	27-461	ベルトカハ	BELT COVER	1
02-17	27-466	防塵フ レート	PLATE	1
02-18	27-467	前カハ 受け金具	COVER HOLDER	1
02-19	31-015	オイルタンク	OIL RESERVOIR	1
02-20	31-710	油ろ過網	SCREEN	1
02-21	31-711	油ろ過網押え	SCREEN FRAME	1
02-22	35-708	チューブ サポート 取付板	TUBE SUPPORT PLATE	1
02-23	39-504	オイルゲージ	OIL SIGHT GAUGE	1
02-24	69-765	プッシュボ タン	PUSH BUTTON	1
02-25	71-116	ピン	PIN	2
02-26	71-208	ロックピン	PIN	2
02-27	71-989	平行ピン	PIN	2
02-28	75-453	ワッシャ	WASHER	1
02-29	79-413	プッシュボ タンハ ネ	SPRING	1
02-30	79-912	ハ ネ	SPRING	2
02-31	84-155	ネジ	SCREW	3
02-32	87-104	ネジ	SCREW	2
02-33	87-106	ネジ	SCREW	2
02-34	87-177	六角穴付きボルト	BOLT	5
02-35	87-186	六角穴付きボルト	BOLT	4
02-36	87-206	六角穴付きボルト	BOLT	4
02-37	87-214	六角穴付きボルト	BOLT	1
02-38	87-252	六角穴付きボルト	BOLT	21
02-39	87-311	フタネジ	SCREW	1
02-40	87-415	ネジ	SCREW	14
02-41	87-481	プラマイナベ小ねじ	SCREW	4
02-42	87-483	プラマイナベ小ねじ	SCREW	4
02-43	87-484	プラマイナベ小ねじ	SCREW	6
02-44	87-612	ネジ	SCREW	2
02-45	87-812	ネジ	SCREW	1
02-46	88-146	ナット	NUT	1
02-47	93-205	Eリング	E-RING	1
02-48	97-030	ホルダーセット (1/4)	HOLDER (1/4)	1

3. 糸調子機構 (1) THREAD TENSION MECHANISM (1)



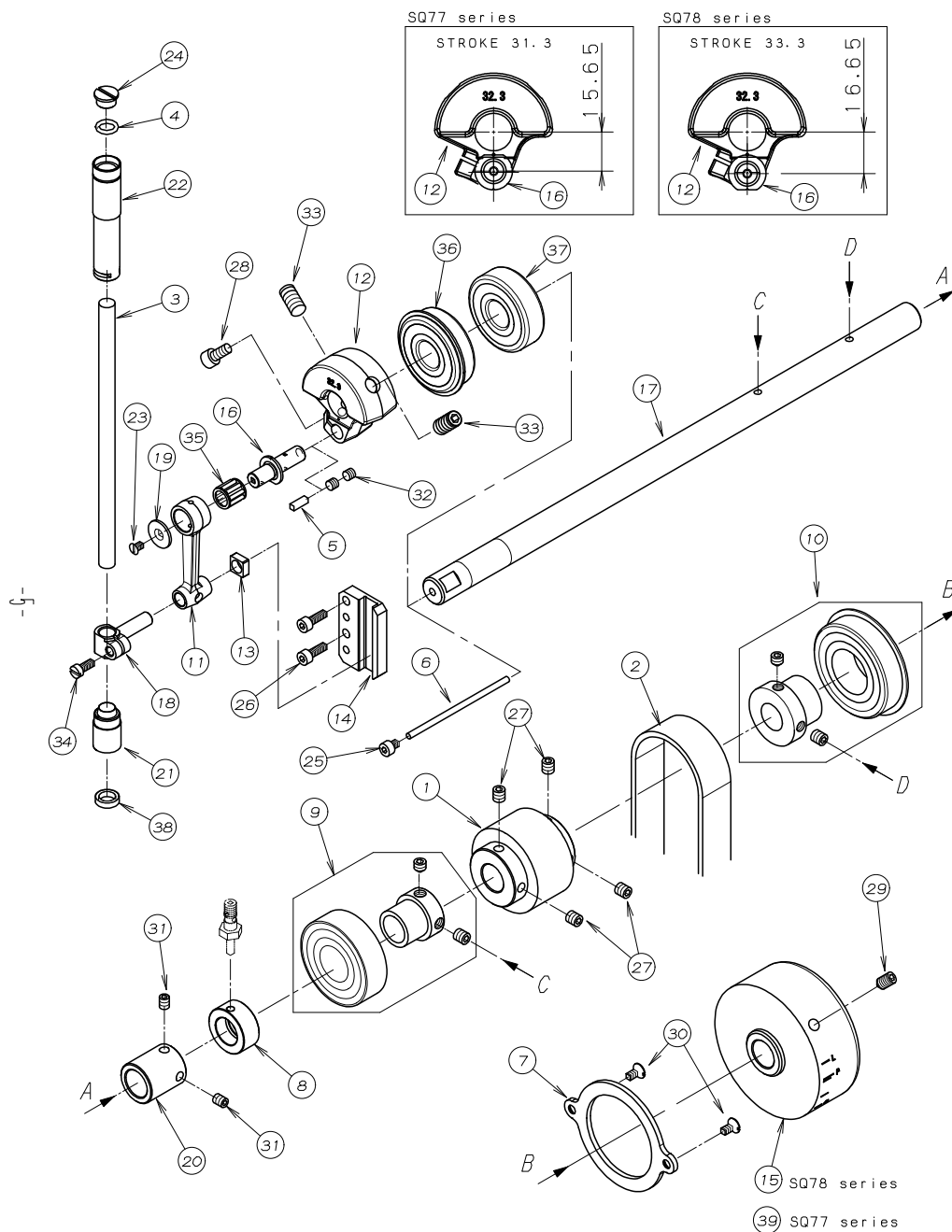
REF. NO.	PART NO.	品 名	DESCRIPTION	Q'TY
03-01	02-666	チャンボ ^ン 土台	TENTION BRACKET	1
03-02				
03-03	40-0301	下糸3本ハ ^ン イフ ^ン セット	LOOPER THREAD PIPE SET	1
03-04	41-021	カメ糸道	THREAD NIPPER	1
03-05	41-059	チャンボン皿押え	TENSION DISC PRESSER	3
03-06	41-104	チャンボ ^ン 皿小ケース	THREAD TENSION NUT	3
03-07	41-105	チャンボン皿ラチェット	SPRING POST	3
03-08	41-108	チャンボ ^ン 大ケース	SPRING CUP	3
03-09	41-115	糸道 (上)	THREAD GUIDE	3
03-10	41-528	チャンボン皿	TENSION DISC	6
03-11	41-551	糸道土台	MOUNTING BRACKET	1
03-12	41-552	糸道土台	BRACKET	2
03-13	41-554	糸調子棒	SCREW STUD	3
03-14	41-555	チャンボ ^ン 調子ハ ^ン ネ	SPRING	3
03-15	41-556	糸緩め段ヒ ^ン ヲン	PIN	3
03-16	41-557	小調子台	TENTION EYELET	1
03-17	41-558	糸道土台	MOUNTING BRACKET	1
03-18	43-701	捌き押さえ	HOLDING PLATE	1
03-19	43-702	針棒糸道 (左)	THREAD EYELET	1
03-20	45-564	針糸道下	THREAD EYELET	1
03-21	45-701	糸道	THREAD EYELET	6
03-22	45-702	糸道	THREAD EYELET	1
03-23	45-703	針棒糸道	THREAD EYELET	1
03-24	45-704	上糸道	THREAD EYELET	1
03-25	45-705	上糸捌き	NEEDLE THREAD GUIDE	1
03-26	47-305	ルーハ ^ン - 糸道上	LOOPER THREAD	1
03-27	47-809	ルーハ ^ン - 糸道	THREAD EYELET	1
03-28	67-756	糸緩めレハ ^ン -	THREAD RELEASE LEVER	1
03-29	71-979	糸緩め軸	RELEASE SHAFT	1
03-30	77-189	糸緩めリンク	LINK	1
03-31	79-025	カメ糸道ハ ^ン ネ	SPRING	1
03-32	84-021	ハ ^ン ネガ ^ン イト ^ン ネジ ^ン	SCREW	1
03-33	84-026	糸緩め軸制限ネジ ^ン	SCREW	1
03-34	84-360	ネジ ^ン	SCREW	1
03-35	84-521	ネジ ^ン	SCREW	1
03-36	84-581	段ネジ ^ン	SCREW	1
03-37	85-613	ネジ ^ン	SCREW	16
03-38	86-211	ナット	NUT	1
03-39	86-311	ナット	NUT	1
03-40	87-055	スリワリ付丸皿小ネジM4	SCREW M4x6. 5L	4
03-41	41-701	チャンボ ^ン 調子ハ ^ン ネ	SPRING	3
03-42	87-096	ネジ ^ン	SCREW	1
03-43	87-235	ネジ ^ン	SCREW	1
03-44	87-415	ネジ ^ン	SCREW	1
03-45	87-476	プラマイナベ小ねじ	SCREW	2
03-46	87-481	プラマイナベ小ねじ	SCREW	1
03-47	87-482	プラマイナベ小ねじ	SCREW	2
03-48	87-483	プラマイナベ小ねじ	SCREW	2
03-49	87-679	ネジ ^ン	SCREW	1

4. 糸調子機構 (2) THREAD TENSION MECHANISM (2)



REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
04-01	41-504	調子棒	TENSION POST	3
04-02	41-517	捌き用小チャンホ°ン皿	TENSION DISC	6
04-03	41-559	糸案内フ°レート	THREAD GUIDE	1
04-04	43-568	小チャンホ°ンナット	NUT	3
04-05	43-703	ル°ハ°-糸道台	EYELET STUD	1
04-06	43-704	下糸案内台	THREAD EYELET	1
04-07	43-705	下糸案内調子台	THREAD EYELET	1
04-08	43-706	下糸案内台	GUIDE BRACKET	1
04-09	43-707	下糸調子台	SUPPORTING PLATE	1
04-10	43-708	下糸調子板案内	GUIDE PLATE	1
04-11	43-709	糸案内フ°レート	BRACKET	1
04-12	43-710	下糸案内	THREAD GUIDE BAR	1
04-13	43-711	下糸調子板カハ°-ヒ°ン	PIN	1
04-14	43-712	下糸調子板カハ°-	COVER	1
04-15	47-301	ル°ハ°-糸ハ°イフ°	LOOPER THREAD TUBE	1
04-16	47-302	ル°ハ°-糸道	THREAD EYELET	1
04-17	47-303	ル°ハ°-糸道	THREAD EYELET	2
04-18	47-304	ル°ハ°-糸道	LOOPER THREAD	1
04-19	75-441	ワッシャ	WASHER	2
04-20	79-322	下糸調子板カハ°-止めハ°ネ	SPRING	1
04-21	79-534	ハ°ネ	SPRING	3
04-22	85-101	ネジ°	SCREW	1
04-23	85-611	ネジ°	SCREW	2
04-24	86-311	ナット	NUT	3
04-25	87-083	ネジ°	SCREW	2
04-26	87-090	ネジ°	SCREW	2
04-27	87-095	ネジ°	SCREW	1
04-28	87-096	ネジ°	SCREW	2
04-29	87-106	ネジ°	SCREW	1
04-30	87-113	六角穴付きボルト	BOLT	1
04-31	87-423	段ネジ°	SCREW	1
04-32	87-476	プラマイナベ小ねじ	SCREW	2
04-33	87-477	プラマイナベ小ねじ	SCREW	1
04-34	87-482	プラマイナベ小ねじ	SCREW	8
04-35	40-0302	下糸3本針ハ°イフ°セット	LOOPER THREAD PIPE SET	1
04-36	40-0303	下糸捌きセット	LOOPER THREAD EYELET ASS'Y	1

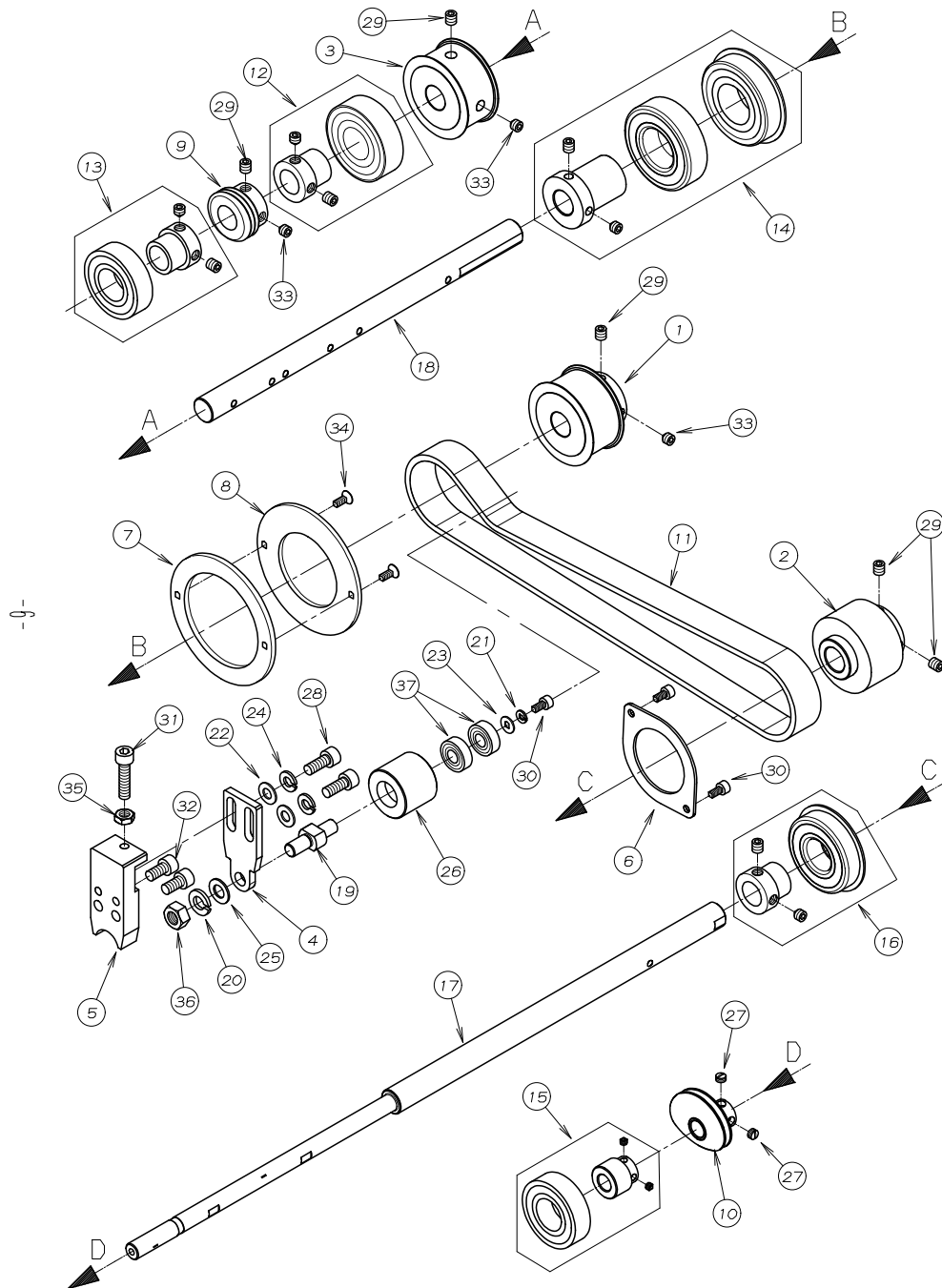
5. 針棒上軸機構 NEEDLE BAR MECHANISM



REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
05-01	04-376	タイミング*プ*ーリー (上軸内)	TIMING PULLEY	1
05-02	04-377	タイミング*ヘ*ルト	TIMING BELT	1
05-03	11-601	針棒	NEEDLE BAR	1
05-04	23-189	O-リング*	O-RING	1
05-05	23-567	フェルト	FELT	1
05-06	23-580	フェルト	FELT	1
05-07	25-326	ヘ*アリング* 止め板	PLATE	1
05-08	35-710	オイルスリーブ*	OIL SLEEVE	1
05-09	60-8510	ベアリングセット	BEARING ASS'Y	1
05-10	60-8540	ベアリングセット	BEARING ASS'Y	1
05-11	63-703	針棒リンク	LINK	1
05-12	66-702	針棒クランク (32.3)	NEEDLE BAR CRANK	1
05-13	69-762	角駒	BLOCK	1
05-14	69-763	針棒カ*イト*	BLOCK GUIDE	1
05-15	69-764	ハント*プ*ーリー	HAND PULLEY	1
05-16	71-837	針棒リンクピン (0.5)	LINK PIN	1
05-17	71-977	上軸	UPPER SHAFT	1
05-18	73-126	針棒抱き	NEEDLE BAR CLAMP	1
05-19	75-004	針棒リンクセント*プ*レート	WASHER	1
05-20	75-626	スラストカラー	COLLAR	1
05-21	81-047	針棒ブ*ッシュ (下)	BUSHING	1
05-22	81-064	針棒ブ*ッシュ (上)	BUSHING	1
05-23	84-463	ネジ*	SCREW	1
05-24	85-522	ネジ*	SCREW	1
05-25	87-067	六角穴付きボルト	BOLT	1
05-26	87-129	六角穴付きボルト	BOLT	2
05-27	87-172	ネジ*	SCREW	4
05-28	87-213	六角穴付きボルト	BOLT	1
05-29	87-241	ネジ*	SCREW	1
05-30	87-249	ネジ*	SCREW	2
05-31	87-254	ネジ*	SCREW	2
05-32	87-274	ネジ*	SCREW	2
05-33	87-368	ネジ*	SCREW	2
05-34	87-520	ネジ*	SCREW	1
05-35	91-264	ニードル*ル*アリング*	BEARING	1
05-36	91-703	ボ*ール*ル*アリング*	BALL BEARING	1
05-37	91-704	ボ*ール*ル*アリング*	BALL BEARING	1
05-38	94-511	オイルシール	OIL SEAL	1
05-39	69-768	ハント*プ*ーリー	HAND PULLEY	1

(9) (10) 本部品はセットで補給いたします。
Only Available By Set No.

6. 下軸機構 LOWER SHAFT MECHANISM



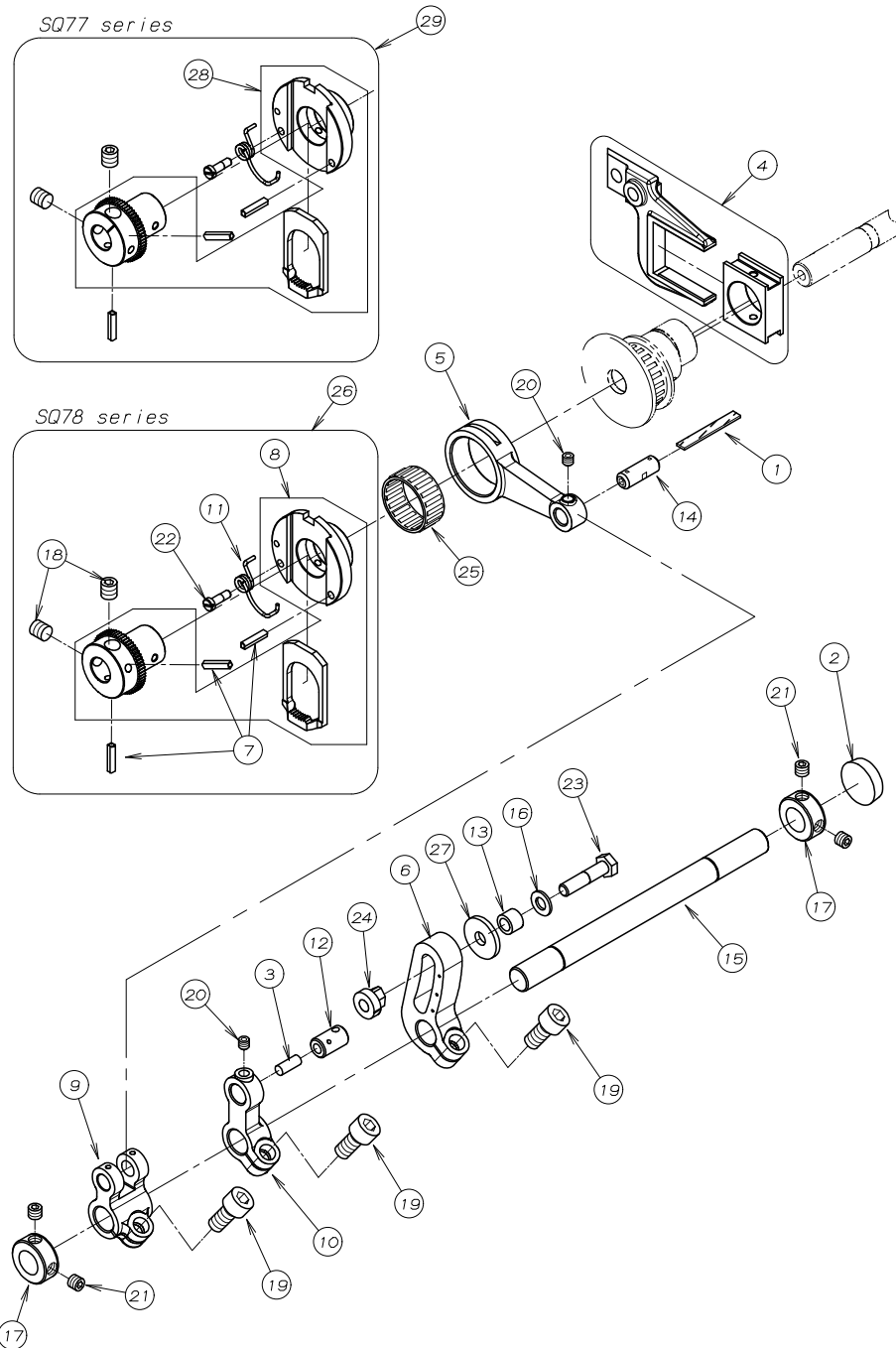
REF. NO.	PART NO.	品 名	DESCRIPTION	Q'TY
06-01	06-717	タイミングプーリー (中間外)	TIMING PULLEY	1
06-02	06-718	タイミングプーリー (下軸)	TIMING PULLEY	1
06-03	06-719	タイミングプーリー (中間内)	TIMING PULLEY	1
06-04	25-011	アイトラフ ラケット	BRACKET	1
06-05	25-012	アイトラ固定フ ラケット	IDLER BRACKET	1
06-06	25-013	ヘ アリンク 止め板	SET PLATE	1
06-07	25-519	ベアリング止め板 (A)	SET PLATE (A)	1
06-08	25-520	ベアリング止め板 (B)	SET PLATE (B)	1
06-09	31-540	ポンプ駆動ギア	PUMP DRIVING WARM	1
06-10	49-002	ハムクリ	LOOPER THREAD TAKE-UP	1
06-11	58-011	タイミングベルト (中間下軸間)	TIMING BELT	1
06-12	60-8510	ベアリングセット	BEARING ASS'Y	1
06-13	60-8530	ベアリングセット	BEARING ASS'Y	1
06-14	60-8560	ヘ アリンク セット (中間軸右)	BEARING ASS'Y	1
06-15	60-8570	ヘ アリンク セット (下軸左)	BEARING ASS'Y	1
06-16	60-8580	ヘ アリンク セット (下軸右)	BEARING ASS'Y	1
06-17	71-980	下軸	SHAFT	1
06-18	71-981	中間ヘ ルト軸	SHAFT	1
06-19	71-982	アイトラピン	IDLER PIN	1
06-20	75-225	スプリング ワッシャ	SPRING WASHER	1
06-21	75-410	スプリング ワッシャ	SPRING WASHER	1
06-22	75-452	ワッシャ	WASHER	2
06-23	75-455	ワッシャ	WASHER	1
06-24	75-527	スプリング ワッシャ	SPRING WASHER	2
06-25	75-542	ワッシャ	WASHER	1
06-26	75-651	アイトラ	IDLER	1
06-27	84-711	ネジ	SCREW	2
06-28	87-171	六角穴付きボルト	BOLT	2
06-29	87-172	ネジ	SCREW	5
06-30	87-177	六角穴付きボルト	BOLT	3
06-31	87-188	六角穴付きボルト	BOLT	1
06-32	87-225	六角穴付きボルト	BOLT	2
06-33	87-259	ネジ	SCREW	3
06-34	87-270	ネジ	SCREW	2
06-35	88-165	六角ナット	NUT	1
06-36	88-176	ナット	NUT	1
06-37	91-891	ボールベアリング	BALL BEARING	2

(12) ~ (16) 本部はセットで補給いたします。
Only Available By Set No.

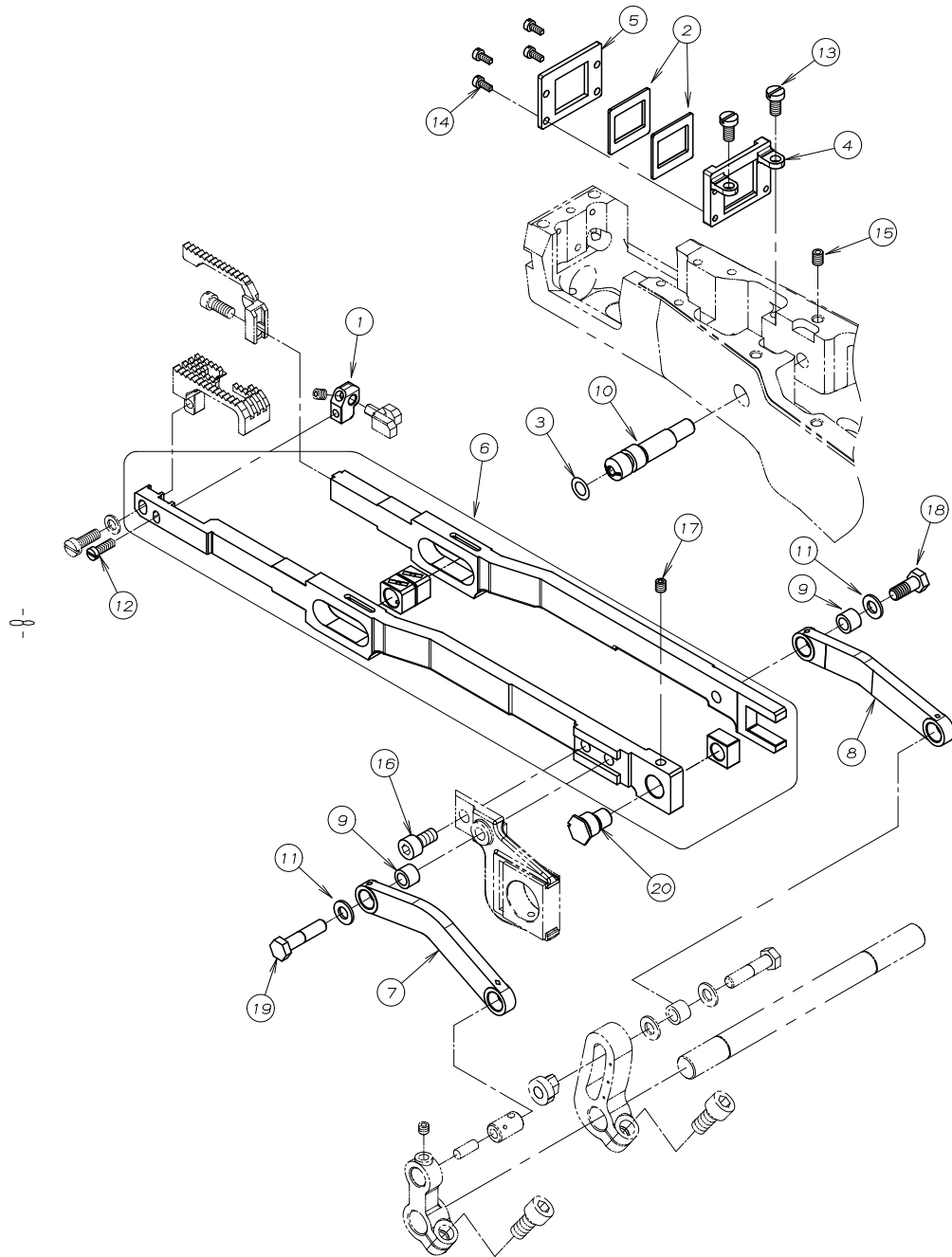
7. 送り機構 (1) FEED MECHANISM (1)

REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
07-01	23-341	フェルト	FELT	1
07-02	23-519	コ ム栓	PLUG	1
07-03	23-567	フェルト	FELT	1
07-04	50-8290	送り上下台セット	FEED BRACKET ASS' Y	1
07-05	51-703	送りリンク	CONNECTING LINK	1
07-06	51-704	差動レバ ー	DIFFERENTIAL FEED LEVER	1
07-07	52-308	スフ リンク ヒ ン	SPRING PIN	3
07-08	60-8660	送り調節エキセンセット	FEED ECCENTRIC ASS' Y	1
07-09	67-751	送り軸レバ ー	FEED BAR DRIVING LEVER	1
07-10	67-752	主送りレバ ー	MAIN FEED LEVER	1
07-11	69-756	送り調節エキセンハ ネ	SPRING	1
07-12	71-288	リンクヒ ン	PIN	1
07-13	71-289	主送り連結ピン	PIN	1
07-14	71-431	ヒ ン	PIN	1
07-15	71-983	送り軸	FEED BAR DRIVING SHAFT	1
07-16	75-520	ワッシャ	WASHER	1
07-17	75-537	カラー	COLLAR	2
07-18	87-172	ネジ	SCREW	2
07-19	87-225	六角穴付きボルト	BOLT	3
07-20	87-233	ネジ	SCREW	2
07-21	87-274	ネジ	SCREW	4
07-22	87-701	平頭付段ネジ M3X0.5	SCREW	1
07-23	87-702	六角ボ ルト	BOLT	1
07-24	88-701	ナット	NUT	1
07-25	91-603	ハ アリンク	NEEDLE BEARING	1
07-26	60-8650	送りエキセンセット	FEED REGURATOR ECCENTRIC ASS' Y	1
07-27	75-061	ワッシャー	WASHER	1
07-28	60-8680	送り調節エキセンセット	FEED ECCENTRIC ASS' Y	1
07-29	60-8670	送りエキセンセット	FEED REGURATOR ECCENTRIC ASS' Y	1

(4) (26) (29) 本部品はセットで補給いたします。
Only Available By Set No.



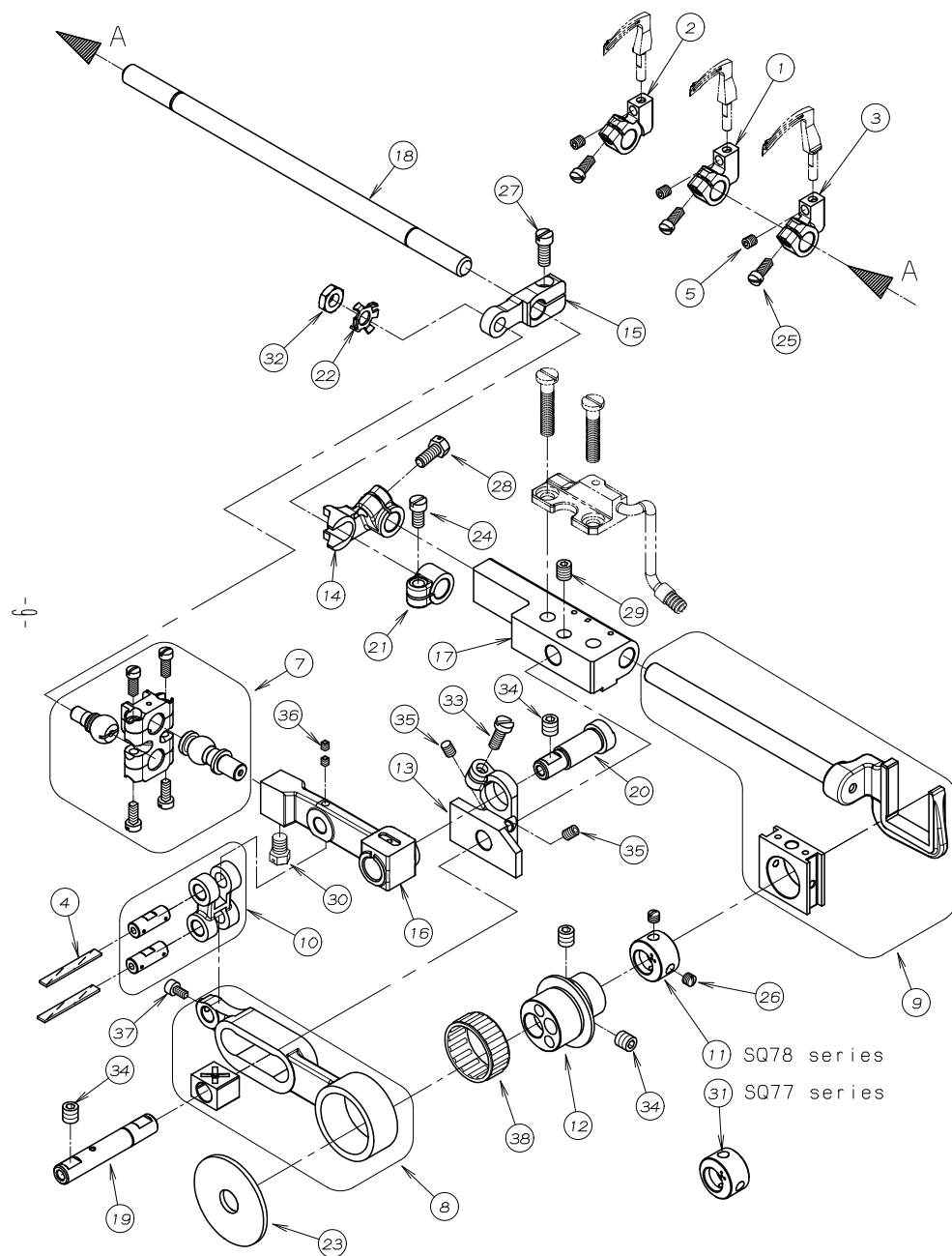
8. 送り機構 (2) FEED MECHANISM (2)



REF. NO.	PART NO.	品 名	DESCRIPTION	Q'TY
08-01	18-553	針受け土台	NEEDLE GUARD BRACKET	1
08-02	23-579	送り土台シールド	FEED BAR SHIELD	2
08-03	23-615	Oリング	O RING	1
08-04	27-661	送り土台シールド ラケット	FEED BAR SHIELD BRACKET	1
08-05	27-662	送り土台シールド プレート	FEED BAR SHIELD PLATE	1
08-06	50-8320	送り土台セット	FEED BAR ASS'Y	1
08-07	51-708	主送りレバーリンク	MAIN FEED LINK	1
08-08	51-709	差動レバーリンク	DIFFERENTIAL FEED LINK	1
08-09	71-289	主送り連結ピン	PIN	2
08-10	71-984	送り土台エキセンピン	FEED BAR ECCENTRIC PIN	1
08-11	75-520	ワッシャー	WASHER	2
08-12	84-158	ネジ	SCREW	1
08-13	87-096	ネジ	SCREW	2
08-14	87-102	ネジ	SCREW	4
08-15	87-181	ネジ	SCREW	1
08-16	87-213	六角穴付きボルト	BOLT	1
08-17	87-286	ネジ	SCREW	1
08-18	87-355	ネジ	SCREW	1
08-19	87-702	六角ボルト	BOLT	1
08-20	98-575	主送りエキセンピン	MAIN FEED BAR ECCENTRIC PIN	1

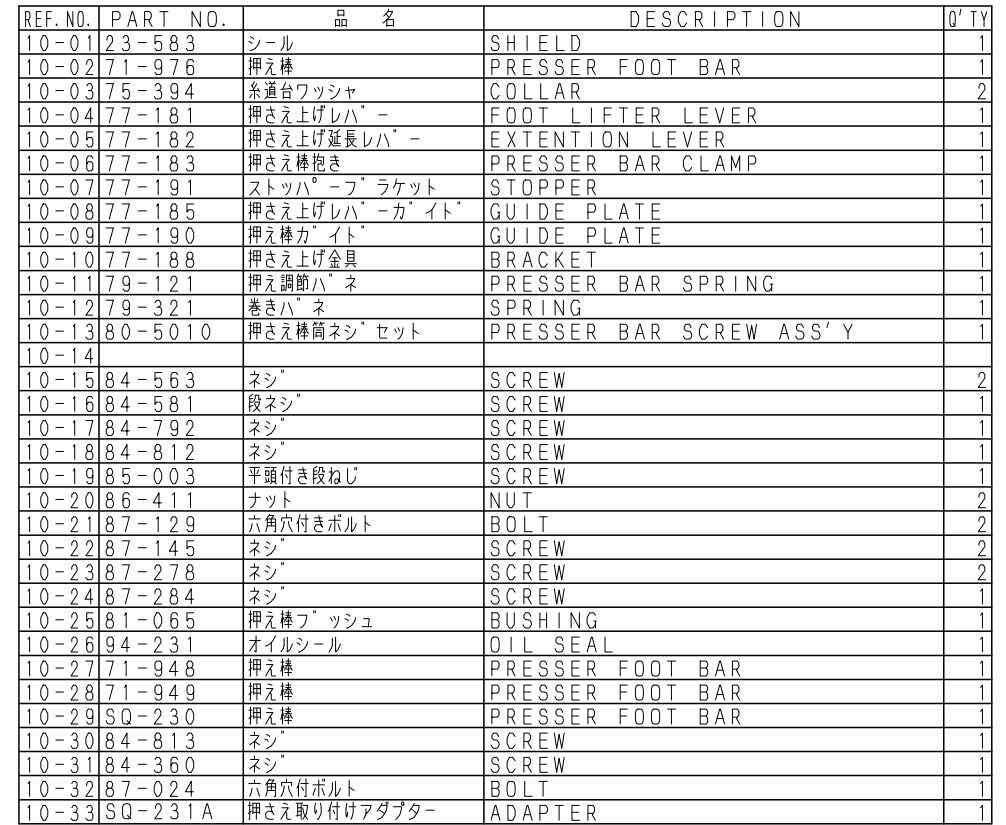
⑥ 本部品はセットで補給いたします。
Only Available By Set No.

9. ルーパー機構 LOOPER MECHANISM



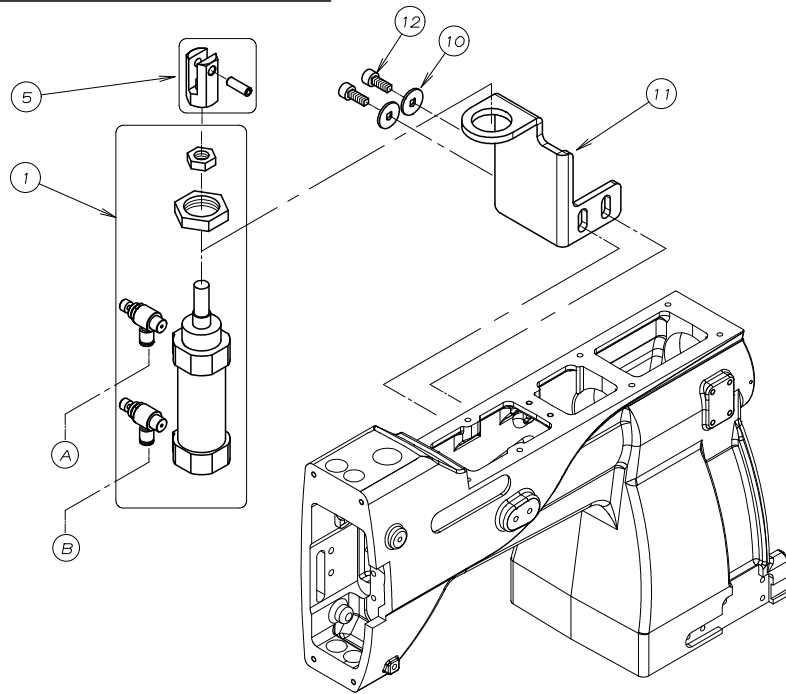
REF. NO.	PART NO.	品 名	DESCRIPTION	Q'TY
09-01	19-624	ルーパー台 (右)	LOOPER HOLDER (RIGHT)	1
09-02	19-625	ルーパー台 (中)	LOOPER HOLDER (MIDDLE)	1
09-03	19-626	ルーパー台 (左)	LOOPER HOLDER (LEFT)	1
09-04	23-341	フェルト	FELT	2
09-05	87-106	ネジ	SCREW	3
09-06				
09-07	60-8600	ルーパー揺動ロッドセット	CONNECTING ROD ASS'Y	1
09-08	60-8610	ルーパー連結リンクセット	CONNECTING LINK ASS'Y	1
09-09	60-8620	ルーパー前後レバー軸セット	LOOPER ROCKER SHAFT ASS'Y	1
09-10	60-8630	連結リンクセット	CONNECTING LINK ASS'Y	1
09-11	61-752	ルーパー前後エキセン	LOOPER ROCKER ECCENTRIC	1
09-12	61-756	ルーパー揺動送り上下エキセン	LOOPER DRIVING AND FEED ECCENTRIC	1
09-13	63-702	ルーパー連結ロッド	CONNECTING ROD	1
09-14	67-753	前後レバー	LOOPER ROCKER LEVER	1
09-15	67-754	ルーパー揺動レバー	LOOPER DRIVING LEVER	1
09-16	67-755	ルーパー揺動ロッドレバー	CONNECTING ROD LEVER	1
09-17	69-759	ルーパー前後レバー軸受	LOOPER ROCKER SHAFT HOUSING	1
09-18	71-985	ルーパー軸	LOOPER SHAFT	1
09-19	71-987	角コマ軸	SLIDE BLOCK PIN	1
09-20	71-988	ルーパー駆動支持ピン	PIN	1
09-21	75-652	カラー	COLLAR	1
09-22	75-653	歯付座金	WASHER	1
09-23	75-654	スペーサー	SPACER	1
09-24	84-001	ネジ	SCREW	1
09-25	84-376	ネジ	SCREW	3
09-26	84-511	ネジ	SCREW	2
09-27	84-572	ネジ	SCREW	1
09-28	84-615	ネジ	SCREW	1
09-29	84-718	ネジ	SCREW	1
09-30	84-816	ネジ	SCREW	1
09-31	61-757	ルーパー前後エキセン	LOOPER ROCKER ECCENTRIC	1
09-32	86-751	六角ナット	NUT	1
09-33	87-145	ネジ	SCREW	1
09-34	87-172	ネジ	SCREW	4
09-35	87-181	ネジ	SCREW	2
09-36	87-104	ネジ	SCREW	2
09-37	87-123	六角穴付きボルト	BOLT	1
09-38	91-416	ニードルベアリング	NEEDLE BEARING	1

7 8 9 10 本部品はセットで補給いたします。
Only Available By Set No.



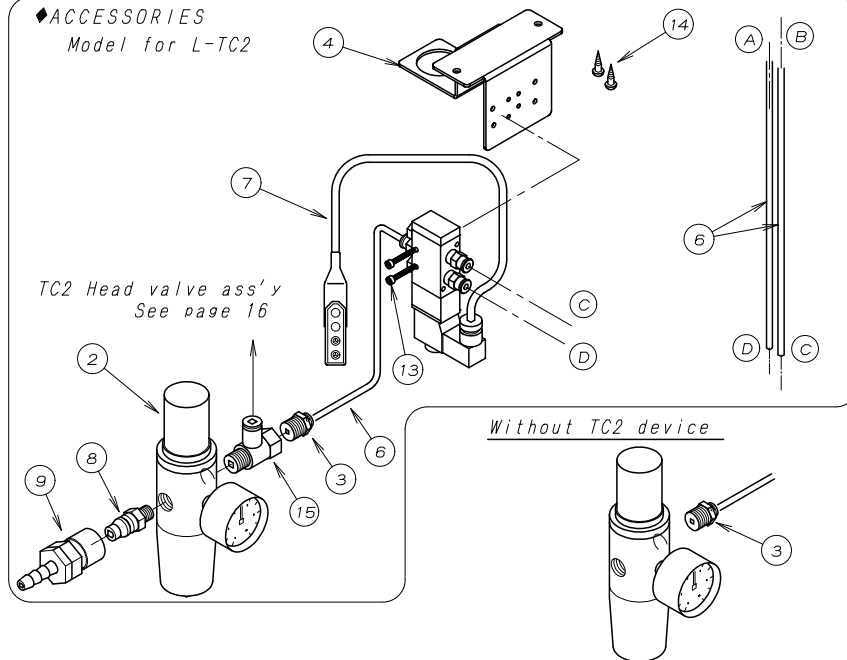
11. エア式押し上げ装置 PNEUMATIC FOOT LIFTER

When not using the Racing device.



REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
11-01	00-6082	押し上げシリンダーセット	AIR CYLINDER ASS'Y	1
11-02	05-2120-A	フィルタレギュレータ	REGULATOR	1
11-03	05-217	ハーフユニオン	JOINT	1
11-04	05-644	電磁弁ブラケット	BRACKET	1
11-05	05-663	連結ブラケット	CONNECTING BRACKET	1
11-06	05-979	チューブ (4x700mm)	TUBE (4x700mm)	2
11-07	05-982	押し上げ電磁弁セット	SOLENOID VALVE ASS'Y	1
11-08	06-516	カフ ラメス	CONNECTOR	1
11-09	06-517	カフ ラオス	CONNECTOR	1
11-10	75-536	ワッシャ	WASHER	2
11-11	77-186	シリンダーーフ ブラケット	CYLINDER BRACKET	1
11-12	87-171	六角穴付きボルト	BOLT	2
11-13	87-438	六角穴付ボルト	BOLT	2
11-14	87-902	木ねじ	SCREW	2
11-15	05-214	ユニハースアルメスエルホ	JOINT	1

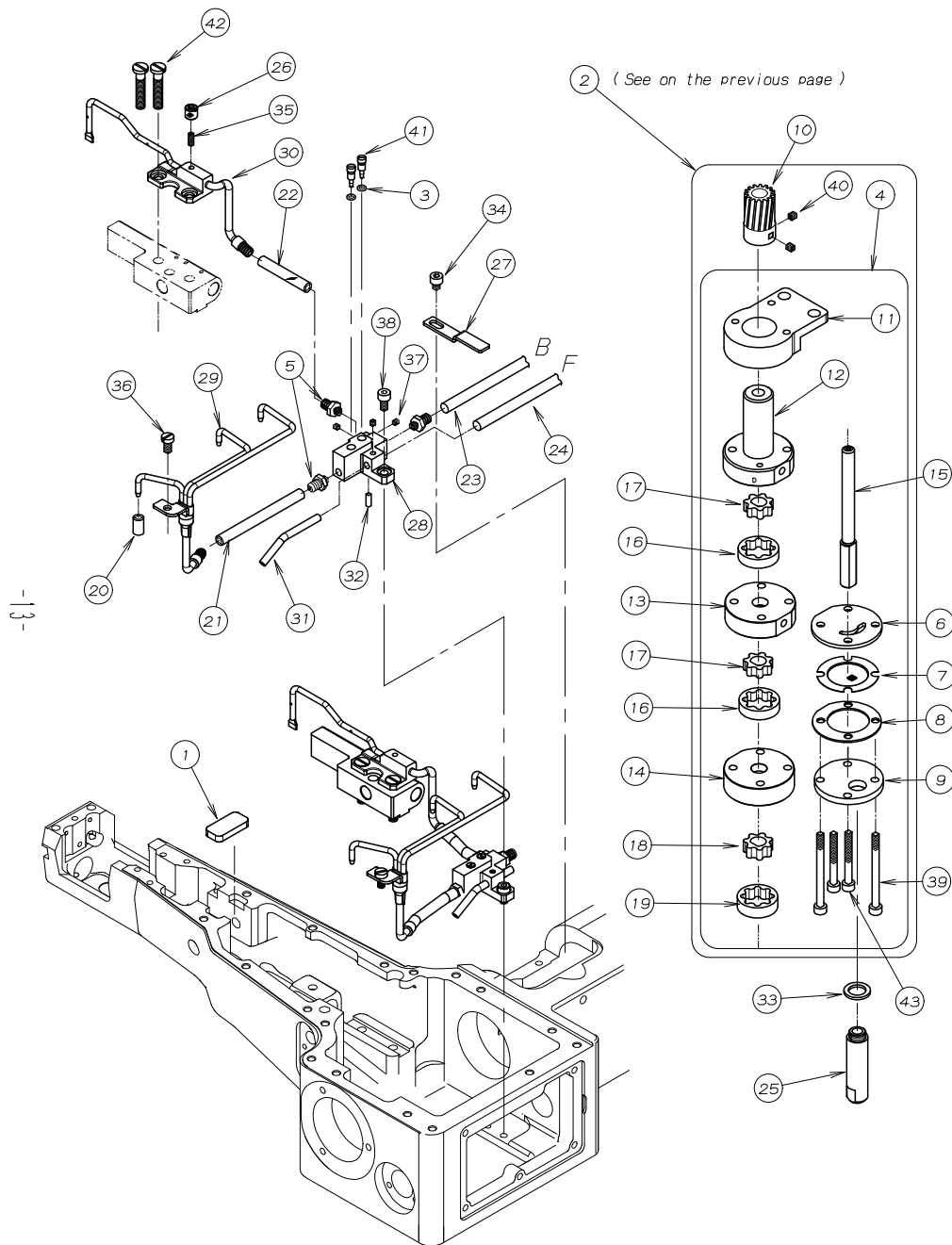
◆ACCESSORIES Model for L-TC2





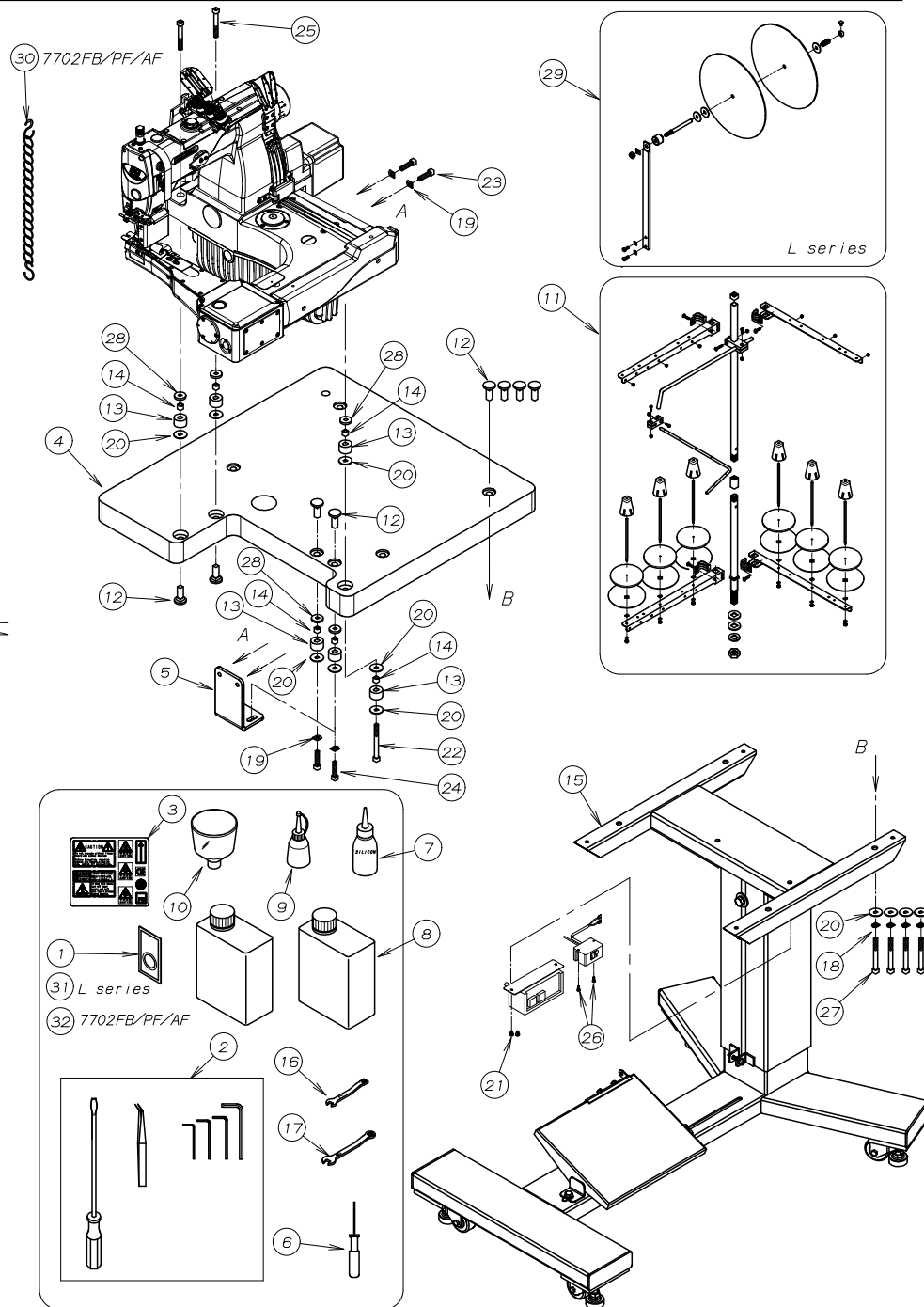
REF. NO.	PART NO.	品 名	DESCRIPTION	Q'TY
12-01	23-067	フェルト	FELT	1
12-02	23-090	針棒押えリターンフェルト	FELT	1
12-03	23-373	O-リング	O-RING	1
12-04	23-506	O-リンク	O-RING	1
12-05	23-514	シ ョイントシール	JOINT SEAL	4
12-06	23-562	スポ ンジ	SPONGE	1
12-07	27-465	フィルターキャップ	OIL FILTER CAP	1
12-08	27-670	天秤油防止板取付金具	THREAD TAKE UP BRACKET	1
12-09	27-671	天秤油防止板	THREAD TAKE UP PLATE	1
12-10	31-222	フィルター	OIL FILTER	1
12-11	31-314	継手	JOINT	2
12-12	31-502	継手	JOINT	1
12-13	35-413	止め金具	CLAMP	2
12-14	35-505	片口継手	JOINT	5
12-15	35-509	継手	JOINT	1
12-16	35-517	ヒ ーリチューフ 540 L	TUBE	2
12-17	35-521	ヒ ーニルチューフ	TUBE	2
12-18	35-528	管継手ボ ルト	JOINT SCREW	2
12-19	35-530	チューフ ハ ント	CLAMP	1
12-20	35-536	管継手ボ ルト	JOINT SCREW	1
12-21	35-546	給油サポート	PIPE SUPPORT	1
12-22	35-556	オイル噴出し継手	JOINT SCREW	1
12-23	35-561	ヒ ーニルチューフ	TUBE (φ6xφ4 x, 170 L)	2
12-24	35-563	ホ ンフ キ ャ給油配管	PIPE	1
12-25	35-702	油受け	OIL RELEASER	1
12-26	35-703	リターン用ハ イフ	PIPE	1
12-27	35-708	チューフ サポ ート取付板	TUBE SUPPORT PLATE	1
12-28	35-714	給油配管分配器	OIL DISTRIBUTOR	1
12-29	35-715	ノズ ル	OIL SIGHT TOP NOZZLE	1
12-30	39-501	配管止め	CLAMP	1
12-31	87-067	六角穴付きボルト	BOLT	2
12-32	87-092	六角穴付きボルト	BOLT	3
12-33	87-104	ネジ	SCREW	4
12-34	87-123	六角穴付きボルト	BOLT	1
12-35	87-142	ネジ	SCREW	1
12-36	87-171	六角穴付きボルト	BOLT	2
12-37	87-177	六角穴付きボルト	BOLT	1
12-38	87-181	ネジ	SCREW	1
12-39	87-214	六角穴付きボルト	BOLT	3
12-40	87-371	油量調節ネジ	ADJUSTING SCREW	1
12-41	87-703	六角穴付きボ ルト	BOLT	1
12-42	88-146	ナット	NUT	1
12-43	88-165	六角ナット	NUT	1

13. 給油機構 (2) LUBRICATION MECHANISM (2)



REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
13-01	23-067	フェルト	FELT	1
13-02	30-0028	ホ ^ン フ ^ン セット	PUMP ASS' Y	1
13-03	23-373	O-リング	O-RING	2
13-04	30-0029	ホ ^ン フ ^ン セット	PUMP ASS' Y	1
13-05	31-502	継手	JOINT	3
13-06	31-546	ホ ^ン フ ^ン 裏板	PLATE	1
13-07	31-547	ホ ^ン フ ^ン メッシュ	PUMP MESH	1
13-08	31-548	ホ ^ン フ ^ン メッシュ止め板	PLATE	1
13-09	31-709	ホ ^ン フ ^ン 取付裏板	PLATE	1
13-10	31-713	ホ ^ン フ ^ン ギ ^ヤ	PUMP GEAR	1
13-11	31-714	ホ ^ン フ ^ン 取付板	PLATE	1
13-12	31-715	ホ ^ン フ ^ン ハウシ ^ン ク	PUMP HOUSING	1
13-13	31-716	ホ ^ン フ ^ン ハウシ ^ン ク	PUMP HOUSING	1
13-14	31-717	ホ ^ン フ ^ン ハウシ ^ン ク	PUMP HOUSING	1
13-15	31-718	ホ ^ン フ ^ン 軸	PUMP SHAFT	1
13-16	31-719	アウターローター	OUTER ROTER	2
13-17	31-720	インナーローター	INNER ROTER	2
13-18	31-721	インナーローター	INNER ROTER	1
13-19	31-722	アウターローター	OUTER ROTER	1
13-20	35-023	ヒ ^ニ ールチューブ ⁶ L	TUBE	1
13-21	35-024	ヒ ^ニ ールチューブ ⁴ 5L	TUBE	1
13-22	35-025	ヒ ^ニ ールチューブ ³ 0L	TUBE	1
13-23	35-517	ヒ ^ニ ールチューブ ⁵ 40L	TUBE	1
13-24	35-521	ヒ ^ニ ールチューブ	TUBE	1
13-25	35-701	オイル吸口	PIPE	1
13-26	35-706	調節ナット	NUT	1
13-27	35-709	チューブ サホ ^ー ート金具	TUBE SUPPORT PLATE	1
13-28	35-713	給油配管分配器	OIL DISTRIBUTOR	1
13-29	35-716	下軸給油配管	OIL DISTRIBUTOR	1
13-30	35-717	給油ハ ^イ フ ^ン 連結台セット	PIPE CONNECTING BASE ASS' Y	1
13-31	35-718	リターン用ハ ^イ フ ^ン	PIPE	1
13-32	71-207	ピン	PIN	1
13-33	75-504	ワッシャ	WASHER	1
13-34	87-067	六角穴付きボルト	BOLT	1
13-35	87-071	六角穴付き止めねじ	SCREW	1
13-36	87-096	ネジ	SCREW	1
13-37	87-104	ネジ	SCREW	3
13-38	87-177	六角穴付きボルト	BOLT	1
13-39	87-206	六角穴付きボルト	BOLT	2
13-40	87-286	ネジ	SCREW	2
13-41	87-371	油量調節ネジ	ADJUSTING SCREW	2
13-42	87-392	平小ネジ	SCREW	2
13-43	87-903	六角穴付きボルト	BOLT	2

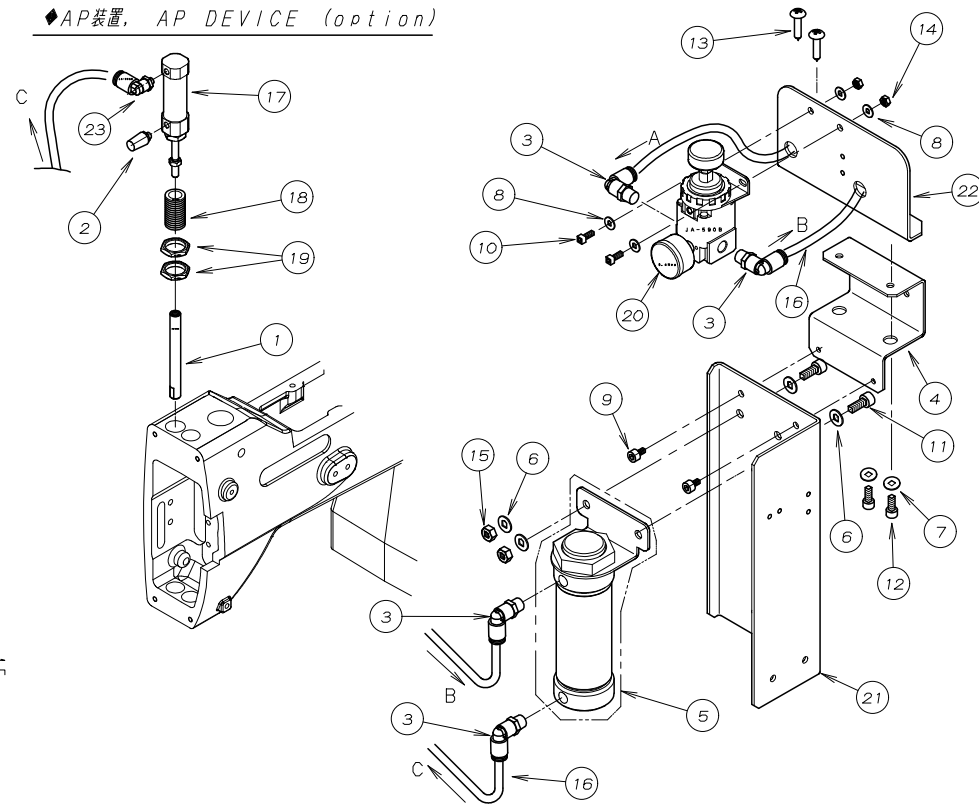
14. テーブル及びアクセサリ TABLE AND ACCESSORIES



REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
14-01	13-0210-6	針 (UY128GAS #21)	NEEDLE	5
14-02	20-0010	付属部品ケース	ACCESSORIES	1
14-03	20-6200	警告ラベルシール	INFORMATION SEAL	1
14-04	27-469	テーブル (ダイレクトモーター)	TABLE (DIRECT MOTOR)	1
14-05	27-470	本体取付ブラケット	BRACKET	1
14-06	28-317	柄付き六角レンチ 1.5mm	ALLEN KEY (1.5mm)	1
14-07	28-612	シリコンオイル	SILICON OIL	1
14-08	28-613	オイル	OIL	2
14-09	28-614	油差し	OILER	1
14-10	28-615	シヨウコ	OIL FUNNEL	1
14-11	42-010	6本系立て	THREAD STAND ASSEMBLY	1
14-12	42-503	本体据付ナット	NUT	8
14-13	42-508	防振ゴム	RUBBER	6
14-14	42-509	防振ゴムカラー	COLLAR	6
14-15	52-570	テーブル脚 (組)	TABLE STAND	1
14-16	56-953	スパナ (7mm)	WRENCH (7mm)	1
14-17	56-954	スパナ (8mm)	WRENCH (8mm)	1
14-18	75-225	スプリングワッシャー	SPRING WASHER	4
14-19	75-451	ワッシャー	WASHER	4
14-20	75-535	ワッシャー	WASHER	11
14-21	87-092	六角穴付きボルト	BOLT	2
14-22	87-176	六角穴付きボルト	BOLT	1
14-23	87-664	六角穴付きボルト	BOLT	2
14-24	87-665	六角穴付きボルト	BOLT	2
14-25	98-870	六角穴付きボルト	BOLT	2
14-26	87-124	ネジ	SCREW	2
14-27	87-393	六角穴付きボルト	BOLT	4
14-28	05-907	クッションゴム	SHOCK RUBBER	5
14-29	20-6550	テープリールセット	TAPE REEL ASS'Y	1
14-30	28-920	チェーン	CHAIN	1
14-31	13-0110-6	針 (UY128GAS #11)	NEEDLE	5
14-32	13-0120-6	針 (UY128GAS #12)	NEEDLE	5

15. 押え圧制御装置 PNEUMATIC PRESSURE FOOT DEVICE

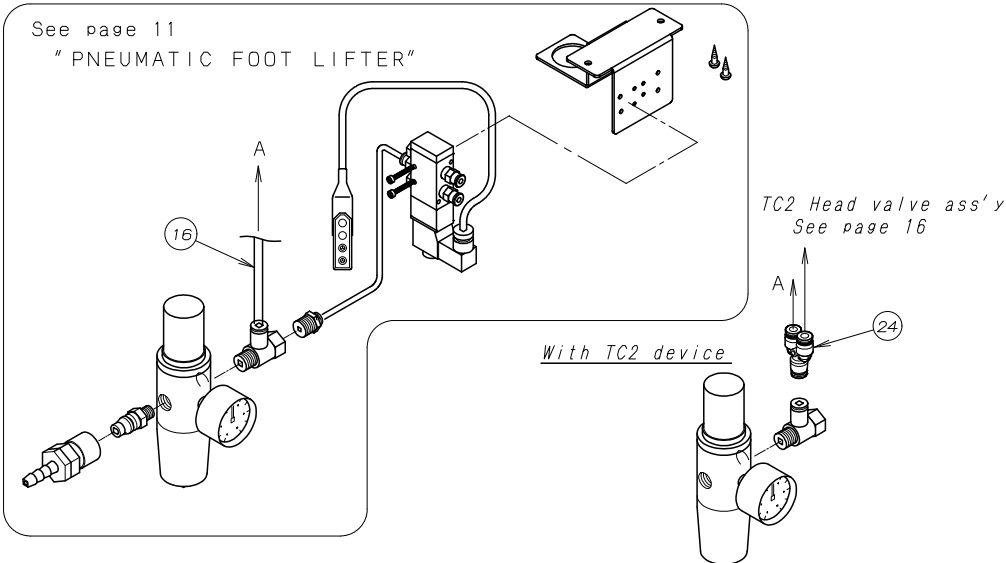
◆AP装置, AP DEVICE (option)



REF. NO.	PART NO.	品 名	DESCRIPTION	Q'TY
15-01	SQ-228A	押え補助棒	PRESSURE BAR	1
15-02	05-295	サイレンサー	SILENCER	1
15-03	06-635	エルボジョイント	JOINT	4
15-04	52-564	ベースブラケット	BRACKET	1
15-05	52-566	Φ40エアタンク	AIR TANK	1
15-06	75-452	ワッシャ	WASHER	4
15-07	75-453	ワッシャ	WASHER	2
15-08	75-455	ワッシャ	WASHER	4
15-09	87-024	六角穴付ボルト	BOLT	2
15-10	87-113	六角穴付きボルト	BOLT	2
15-11	87-171	六角穴付きボルト	BOLT	2
15-12	87-252	六角穴付きボルト	BOLT	2
15-13	87-913	トラスタッピング 5-25	SCREW	2
15-14	88-146	ナット	NUT	2
15-15	88-166	ナット	NUT	2
15-16	05-486	チューブ (Φ6X1000mm)	TUBE (6X1000)	3
15-17	JA-582A	押えシリンダー	AIR CYLINDER	1
15-18	JA-583C	押え筒ネジ	SCREW	1
15-19	JA-583D	取り付けナット	NUT	2
15-20	JA-590B	精密レギュレーター	PRECISION REGULATOR	1
15-21	JA-595D	エアタンクベース	AIR TUNK	1
15-22	JA-595E	レギュレータベース	PLATE	1
15-23	JA-602D	エルボジョイント	JOINT	1
15-24	52-556	ユニオンワイ6mm	UNION Y 6mm	1

See page 11

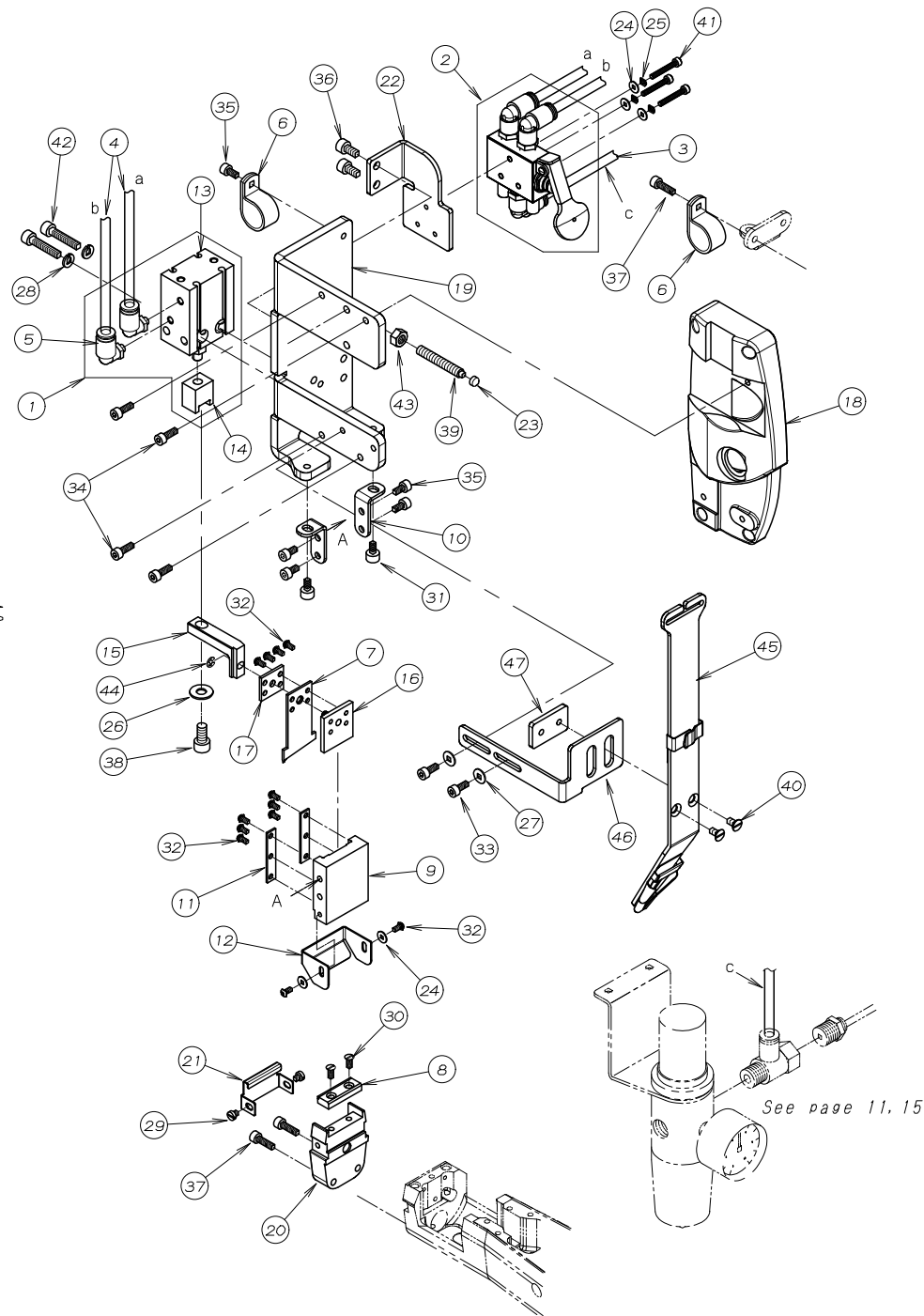
"PNEUMATIC FOOT LIFTER"



TC2 Head valve ass'y
See page 16

With TC2 device

16. テープカッター機構 (L-TC2用) TAPE CUTTER MECHANISM (For L-TC2)

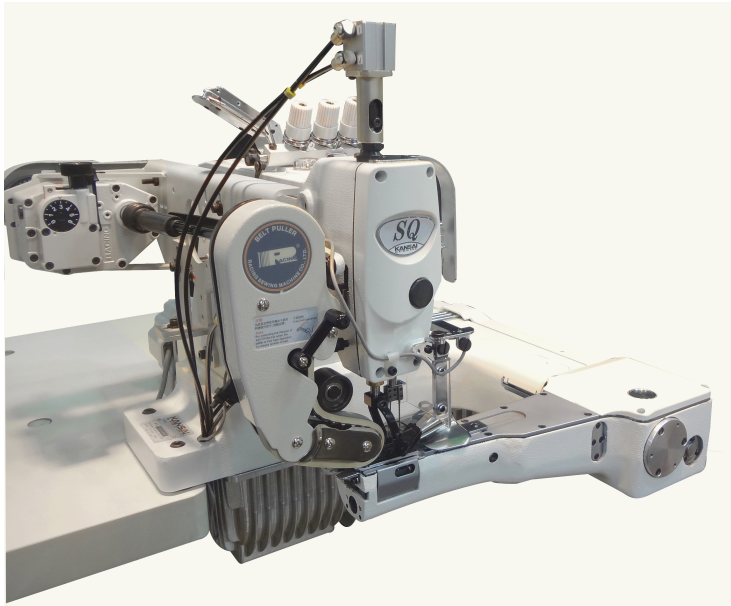


REF. NO.	PART NO.	品 名	DESCRIPTION	Q'TY
16-01	00-6210	メス駆動シリンダーセット	AIR CYLINDER ASS'Y	1
16-02	00-6220	手動ハーフセット	HAND VALVE ASS'Y	1
16-03	05-486	チューブ Φ6x1000mm	TUBE	1
16-04	05-981	チューブΦ6X600mm	TUBE	1
16-05	06-636	エルボジョイント	JOINT	2
16-06	06-927	ナイロンクリップ	CORD CLAMP	2
16-07	08-061	上メス	UPPER KNIFE	1
16-08	08-062	下メス	LOWER KNIFE	1
16-09	08-063	上メスカイト台	GUIDE BRACKET	1
16-10	08-064	上メスカイト台取付板	GUIDE PLATE	2
16-11	08-065	上メスカイト板	GUIDE PLATE	2
16-12	08-066	上メスカバー	COVER	1
16-13	08-067	エアシリンダー	AIR CYLINDER	1
16-14	08-068	メス駆動ブラケット	BRACKET	1
16-15	08-069	メス駆動腕ブラケット	BRACKET	1
16-16	08-070	上メス台	BRACKET	1
16-17	08-071	上メス挟み板	PLATE	1
16-18	08-072	面板	HEAD COVER	1
16-19	08-073	上メスカイト台ブラケット	BRACKET	1
16-20	08-074	下メス取付台	BRACKET	1
16-21	08-075	可動メス押え板	GUIDE	1
16-22	08-076	手動ハーフ取付ブラケット	BRACKET	1
16-23	23-511	クッションゴム	PLUG	1
16-24	75-224	ワッシャ	WASHER	5
16-25	75-445	スプリングワッシャ	SPRING WASHER	3
16-26	75-446	ワッシャ	WASHER	1
16-27	75-455	ワッシャ	WASHER	2
16-28	75-526	スプリングワッシャ	SPRING WASHER	2
16-29	84-364	ネジ	SCREW	2
16-30	84-462	ネジ	SCREW	2
16-31	87-024	六角穴付ボルト	BOLT	2
16-32	87-099	ネジ	SCREW	12
16-33	87-113	六角穴付きボルト	BOLT	2
16-34	87-129	六角穴付きボルト	BOLT	4
16-35	87-177	六角穴付きボルト	BOLT	5
16-36	87-213	六角穴付きボルト	BOLT	2
16-37	87-214	六角穴付きボルト	BOLT	3
16-38	87-225	六角穴付きボルト	BOLT	1
16-39	87-229	ネジ	SCREW	1
16-40	87-249	ネジ	SCREW	2
16-41	87-438	六角穴付ボルト	BOLT	3
16-42	87-523	六角穴付きボルト	BOLT	2
16-43	88-166	ナット	NUT	1
16-44	93-201	Eリング	E-RING	1
16-45	97-0360-1	フォルダーセット	FOLDER ASS'Y	1
16-46	97-037	フォルダー取付ブラケット	BRACKET	1
16-47	97-038	フレートナット	NUT	1

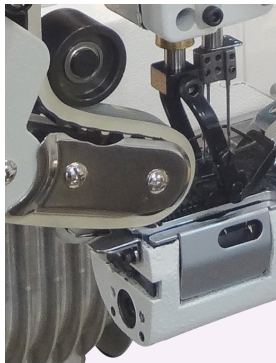
See page 11, 15

17. レーシングアタッチメント機構 (1) RACING DEVICE (1)

① PF-HB/AF



② Chain cutter



③ ECV Chain cutter



REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
17-01	00-6801	レーシング デ バ イ ス (A) 1/4セット	RACING DEVICE (A) 1/4	1
17-02	00-6802	レーシング デ バ イ ス (A) 9/32セット	RACING DEVICE (A) 9/32	1
17-03	00-6803	レーシング デ バ イ ス (B) 1/4セット	RACING DEVICE (B) 1/4	1

① MODEL : SQ7803LR/PF-HB/AF/DD/PT-1/4

① + ②

Belt type puller for Extra heavy duty with gauge set (1/4)
Pneumatic foot lifter
Pneumatic presser foot
Knife set for chain cutter

② MODEL : SQ7803LR/PF-HB/AF/DD/PT-9/32

① + ②

Belt type puller for Extra heavy duty with gauge set (9/32)
Pneumatic foot lifter
Pneumatic presser foot
Knife set for chain cutter

③ MODEL : SQ7803LR/PF-HB/AF/CS4/DD/PT-1/4

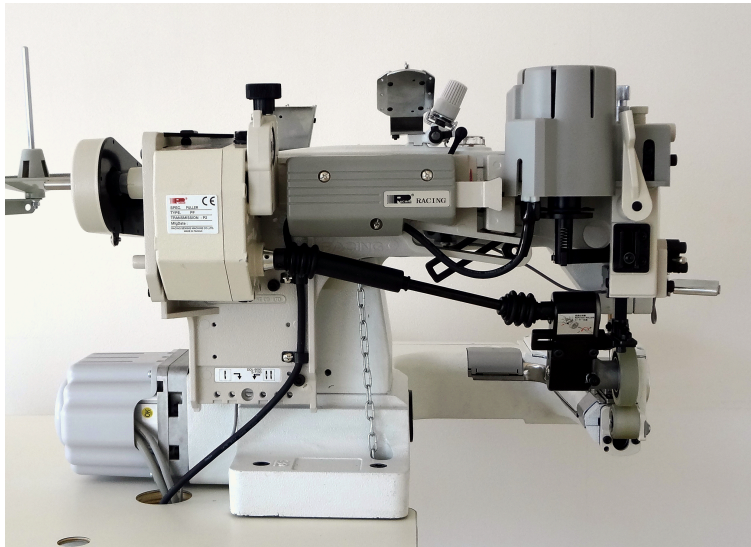
① + ③

Belt type puller for Extra heavy duty with gauge set (1/4)
Pneumatic foot lifter
Pneumatic presser foot
Electric chain cutter (ECV)

18. レーシングアタッチメント機構 (2) RACING DEVICE (2)

REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
18-01	00-6701	レーシング デバイス (PF/AF) セット	RACING DEVICE (PF/AF)	1

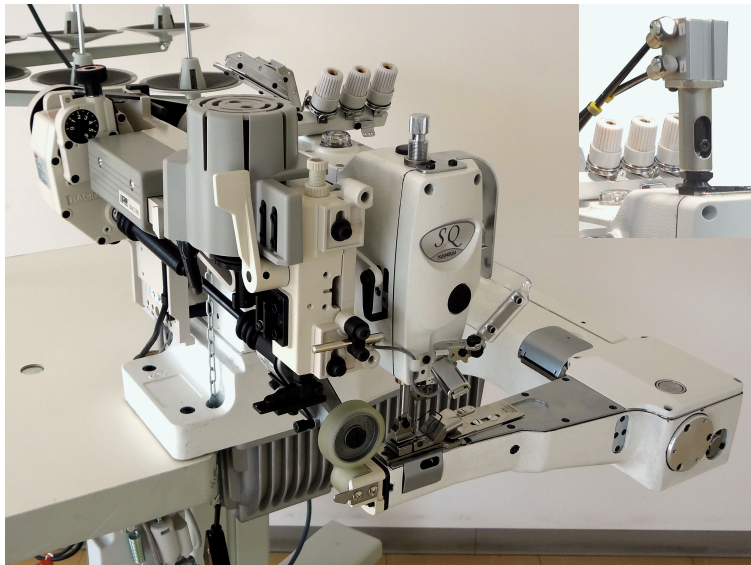
① PF/AF



① MODEL : SQ7702FB/PF/AF/DD/PT

- ① Top Driven Puller for Light to Midium material
Pneumatic foot lifter
Pneumatic presser foot
Electric puller lifter

AF Device

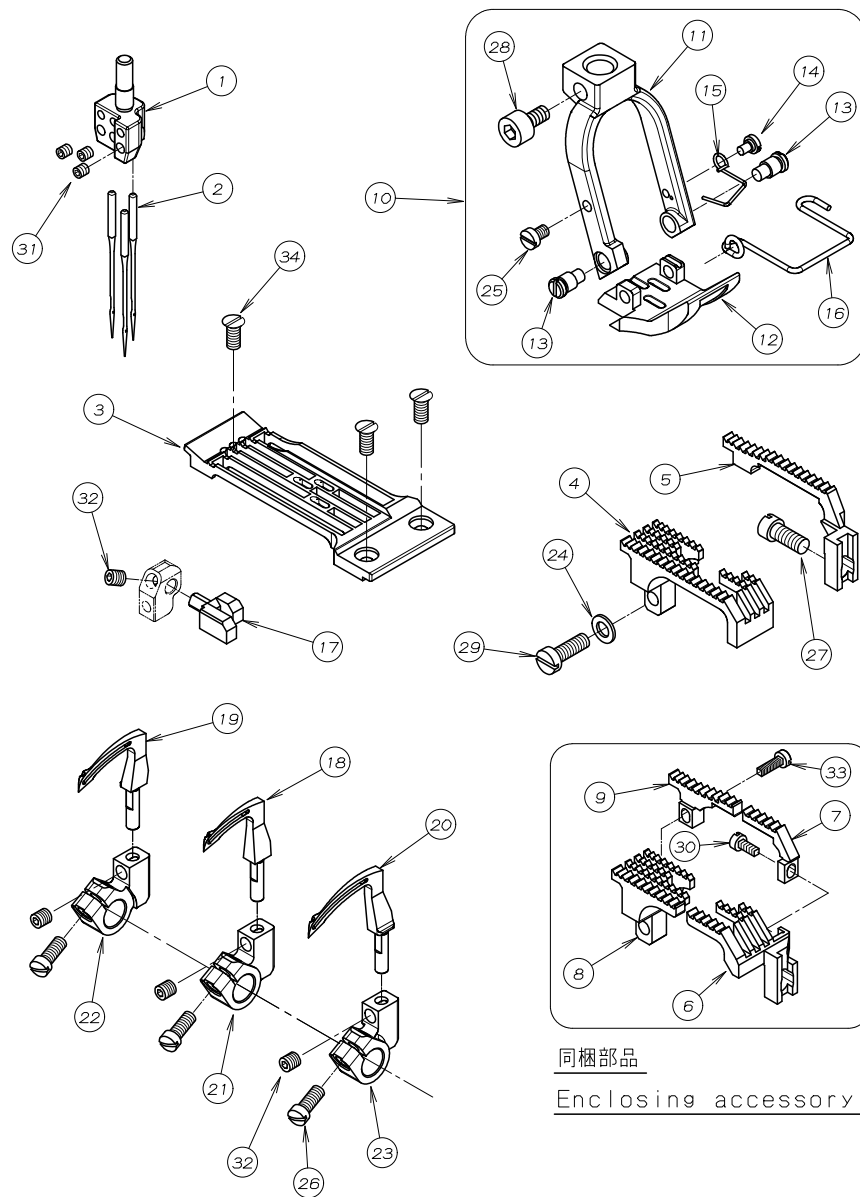


19. ゲージ関係 (1) GAUGE PARTS (1)

◆7803LR, 7803LR/PF-HB

The PF-HB series has been used Racing parts as follows

When the factory setting. (3) (4) (5) (10)



REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
19-01	*	針株	NEEDLE HOLDER	1
19-02	13-0210-6	針 (UY128GAS #21)	NEEDLE	3
19-03	*	針板	NEEDLE PLATE	1
19-04	15-549	主送り歯	MAIN FEED DOG	1
19-05	15-550	差動送り歯	DIFFERENTIAL FEED DOG	1
19-06	15-643	送り歯	DIFFERENTIALFEED DOG	1
19-07	15-644	送り歯	FEED DOG	1
19-08	15-645	送り歯	MAIN FEED DOG	1
19-09	15-646	送り歯	FEED DOG	1
19-10	*	押えセット	PRESSER FOOT ASS' Y	1
19-11	17-5570-A	押えボス	SHANK	1
19-12	*	押え足	BOTTOM	1
19-13	17-5570-C	押え足取付ネジ	SCREW	2
19-14	17-5570-D	平頭付段ネジ	SCREW	1
19-15	17-5570-E	押え足バネ	SPRING	1
19-16	17-5570-F	フィンガーガード	FINGER GAURD	1
19-17	18-552	針受け	NEEDLE GUARD	1
19-18	19-621	ルーパ - (右)	LOOPER (RIGHT)	1
19-19	19-622	ルーパ - (中)	LOOPER (MIDDLE)	1
19-20	19-623	ルーパ - (左)	LOOPER (LEFT)	1
19-21	19-624	ルーパ - 台 (右)	LOOPER HOLDER (RIGHT)	1
19-22	19-625	ルーパ - 台 (中)	LOOPER HOLDER (MIDDLE)	1
19-23	19-626	ルーパ - 台 (左)	LOOPER HOLDER (LEFT)	1
19-24	75-468	ワッシャ	WASHER	1
19-25	84-161	ネジ	SCREW	1
19-26	84-376	ネジ	SCREW	3
19-27	84-572	ネジ	SCREW	1
19-28	87-024	六角穴付ボルト	BOLT	1
19-29	87-097	ネジ	SCREW	1
19-30	87-102	ネジ	SCREW	1
19-31	87-104	ネジ	SCREW	3
19-32	87-106	ネジ	SCREW	4
19-33	87-402	ネジ	SCREW	1
19-34	87-679	ネジ	SCREW	3

* 各ゲージ部品の品番は、22ページのゲージパーツ表を参照して下さい。

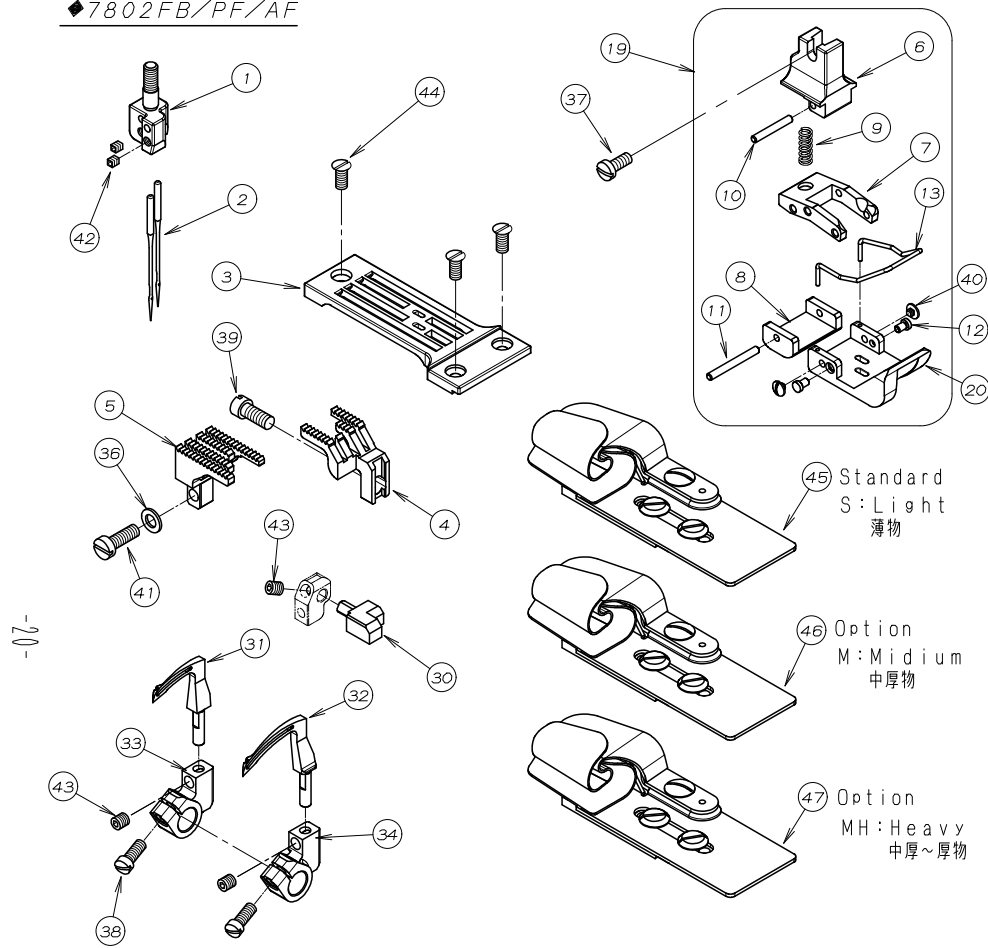
* Please refer to Page 22 GAUGE PARTS LIST

同梱部品

Enclosing accessory box

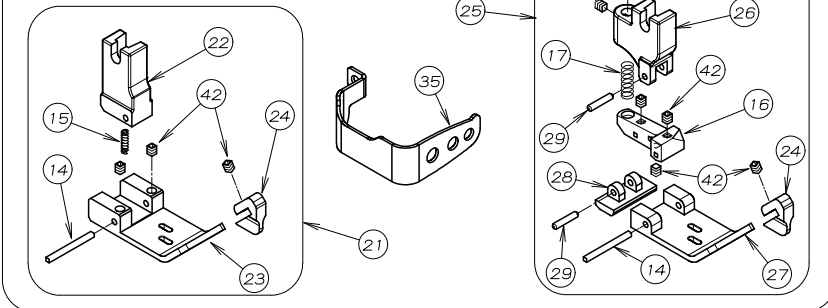
20. ゲージ関係 (2) GAUGE PARTS (2)

◆7802FB/PF/AF



同梱部品

Enclosing accessory box



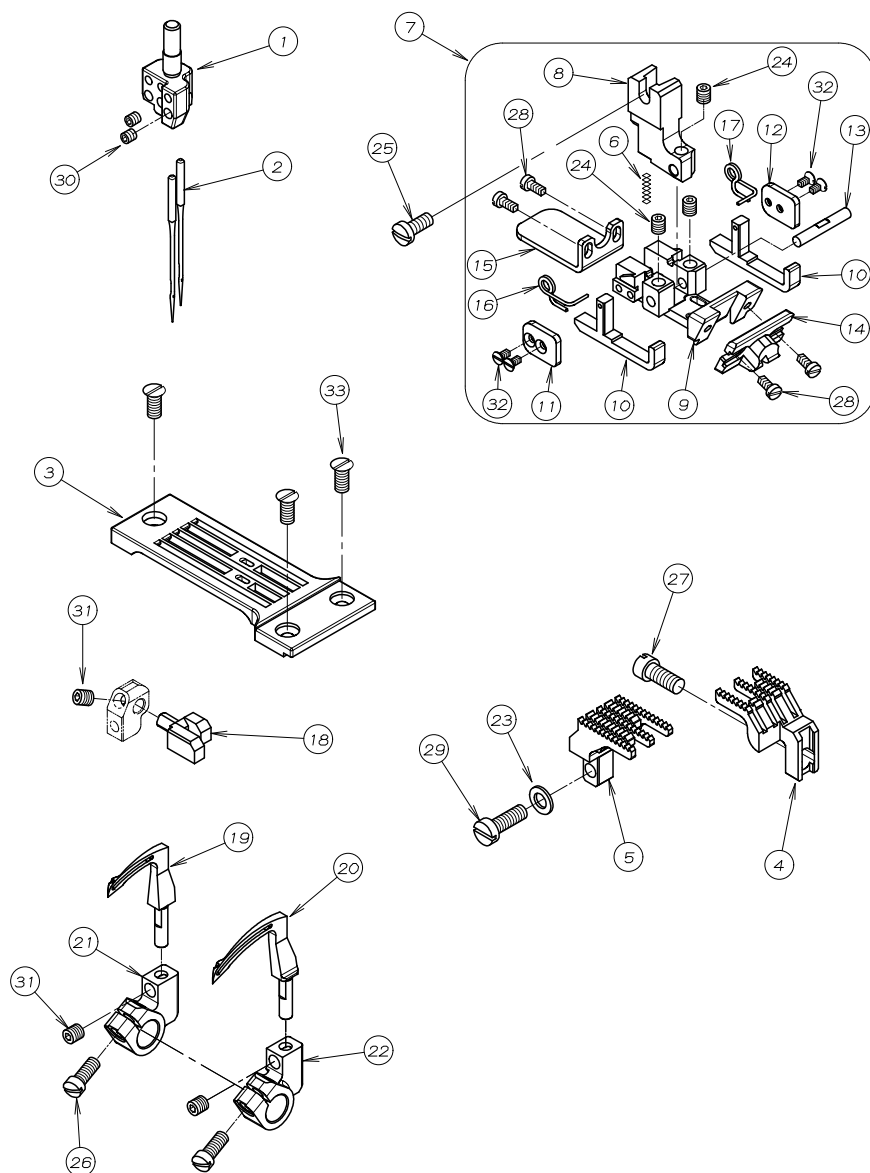
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
20-01	12-379	針株 (3/16)	NEEDLE HOLDER (3/16)	1
20-02	13-0120-6	針 (UYX128GAS #12)	NEEDLE	2
20-03	14-550	針板 (3/16)	NEEDLE PLATE (3/16)	1
20-04	15-599	前送り歯	FRONT FEED DOG	1
20-05	15-600	後送り歯	REAR FEED DOG	1
20-06	17-5440-A	押えホース	SHANK	1
20-07	17-5440-C	押え取付台	BOTTOM HOLDER	1
20-08	17-5440-D	補助押え足	BOTTOM	1
20-09	17-5440-E	圧縮ハネ	SPRING	1
20-10	17-5440-F	平行ピン	PIN	1
20-11	17-5440-G	平行ピン	PIN	1
20-12	17-5440-H	取付ピン	PIN	2
20-13	17-5440-I	フィンガード	FINGER GUARD	1
20-14	17-5480-G	平行ピン	PIN	2
20-15	17-5490-D	押え足用バネ	SPRING	1
20-16	17-5630-D	押え取付台	BRACKET	1
20-17	17-5630-E	圧縮ハネ	SPRING	1
20-18	17-5630-F	ハネ調節ピン	PIN	1
20-19	17-5850-1	押えセット (3/16)	PRESSER FOOT ASS'Y (3/16)	1
20-20	17-5850-B	押え足 (3/16)	BOTTOM (3/16)	1
20-21	17-5890-1	押えセット (3/16)	PRESSER FOOT ASS'Y (3/16)	1
20-22	17-5890-A	押えホース	SHANK	1
20-23	17-5890-B	押え足 (3/16)	BOTTOM (3/16)	1
20-24	17-5890-H	生地ガイド	GUIDE	2
20-25	17-5990-1	押えセット (3/16)	PRESSER FOOT ASS'Y (3/16)	1
20-26	17-5990-A	押えホース	SHANK	1
20-27	17-5990-B	押え足 (3/16)	BOTTOM (3/16)	1
20-28	17-5990-C	補助押え足	BOTTOM	1
20-29	17-8190-G	ピン	PIN	2
20-30	18-534	針受け	NEEDLE GUIDE	1
20-31	19-621	ルーパ (右)	LOOPER (RIGHT)	1
20-32	19-623	ルーパ (左)	LOOPER (LEFT)	1
20-33	19-624	ルーパ台 (右)	LOOPER HOLDER (RIGHT)	1
20-34	19-626	ルーパ台 (左)	LOOPER HOLDER (LEFT)	1
20-35	27-232	フィンガード	FINGER GUARD	1
20-36	75-468	ワッシャ	WASHER	1
20-37	84-360	ネジ	SCREW	1
20-38	84-376	ネジ	SCREW	2
20-39	84-572	ネジ	SCREW	1
20-40	85-604	ネジ	SCREW	2
20-41	87-097	ネジ	SCREW	1
20-42	87-104	ネジ	SCREW	10
20-43	87-106	ネジ	SCREW	3
20-44	87-679	ネジ	SCREW	3
20-45	97-039	ホルダー (3/16) S: 薄物	HOLDER (3/16) S	1
20-46	97-040	ホルダー (3/16) M: 中厚物	HOLDER (3/16) M	1
20-47	97-041	ホルダー (3/16) MH: 中厚~厚物	HOLDER (3/16) MH	1

* 各ゲージ部品の品番は、22ページのゲージパーツ表を参照して下さい。

* Please refer to Page 22 GAUGE PARTS LIST

21. ゲージ関係 (3) GAUGE PARTS (3)

◆7702FB-L



REF. NO.	PART NO.	品 名	DESCRIPTION	Q'TY
21-01	12-378	針株 (1/4)	NEEDLE HOLDER (1/4)	1
21-02	13-0110-6	針 (UYX128GAS #11)	NEEDLE	2
21-03	14-549	針板 (1/4)	NEEDLE PLATE (1/4)	1
21-04	15-589	前送り歯	FRONT FEED DOG	1
21-05	15-590	後送り歯	REAR FEED DOG	1
21-06	17-5490-D	押え足用バネ	SPRING	1
21-07	17-5790-1	押えセット (1/4)	PRESSER FOOT ASS'Y (1/4)	1
21-08	17-5790-A	押えホース	SHANK	1
21-09	17-5790-B	押え足 (1/4)	BOTTOM (1/4)	1
21-10	17-5790-C	補助押え足	GUIDE	2
21-11	17-5790-D	ガイドプレート (左)	GUIDE PLATE (LEFT)	1
21-12	17-5790-E	ガイドプレート (右)	GUIDE PLATE (RIGHT)	1
21-13	17-5790-F	取付ピン	PIN	1
21-14	17-5790-G	生地ガイド	GUIDE	1
21-15	17-5790-H	生地ガイド	GUIDE	1
21-16	17-8190-D	補助押え足バネ (左)	SPRING (LEFT)	1
21-17	17-8190-E	補助押え足バネ (右)	SPRING (RIGHT)	1
21-18	18-552	針受け	NEEDLE GUARD	1
21-19	19-621	ルーパー (右)	LOOPER (RIGHT)	1
21-20	19-623	ルーパー (左)	LOOPER (LEFT)	1
21-21	19-624	ルーパー台 (右)	LOOPER HOLDER (RIGHT)	1
21-22	19-626	ルーパー台 (左)	LOOPER HOLDER (LEFT)	1
21-23	75-468	ワッシャー	WASHER	1
21-24	84-314	ネジ	SCREW	3
21-25	84-360	ネジ	SCREW	1
21-26	84-376	ネジ	SCREW	2
21-27	84-572	ネジ	SCREW	1
21-28	85-105	ネジ	SCREW	4
21-29	87-097	ネジ	SCREW	1
21-30	87-104	ネジ	SCREW	2
21-31	87-106	ネジ	SCREW	3
21-32	87-107	ネジ	SCREW	4
21-33	87-679	ネジ	SCREW	3

* 各ゲージ部品の品番は、22ページの「ゲージ」パーツ表を参照して下さい。

* Please refer to Page 22 GAUGE PARTS LIST

22. ゲージ部品一覧表 GAUGE PARTS TABLE

モデル MODEL	ゲージサイズ GAUGE SIZE (インチ) (INCH)	針株 NEEDLE HOLDER	押え組 PRESSER FOOT ASSEMBLY	針板 NEEDLE PLATE	主送歯 MAIN FEED DOG	差動送歯 DIFFERENTIAL FEED DOG	ルーパー台 LOOPER HOLDER	針受 NEEDLE GUARD	ルーパー LOOPER		
									A 	B 	C
SQ7803LR	1/4	12-376	17-5570-1	14-544	15-549	15-550	A 19-625	18-552	19-622	19-621	19-623
	9/32	12-377	17-5580-1	14-545			B 19-624				
SQ7702FB	3/16	12-379	17-5850-1	14-550	15-600	15-599	B 19-624 C 19-626	18-534			
SQ7702FB-L	1/4	12-378	17-5790-1	14-549	15-590	15-589	B 19-624 C 19-626	18-552			

INDEX 1

REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番	REF. NO.	PART NO. 品 番
11-01	00-6082	21-04	15-589	19-22	19-625	01-20	27-388	13-18	31-721	14-11	42-010	07-29	60-8670	06-22	75-452	16-29	84-364	21-29	87-097	19-34	87-679
16-01	00-6210	21-05	15-590	09-03	19-626	01-21	27-389	13-19	31-722	14-12	42-503	07-28	60-8680	15-06	75-452	09-25	84-376	16-32	87-099	20-44	87-679
16-02	00-6220	19-06	15-643	19-23	19-626	01-22	27-395	13-20	35-023	14-13	42-508	09-11	61-752	02-28	75-453	19-26	84-376	08-14	87-102	21-33	87-679
18-01	00-6701	19-07	15-644	20-34	19-626	01-23	27-396	13-21	35-024	14-14	42-509	09-12	61-756	15-07	75-453	20-38	84-376	19-30	87-102	07-19	87-225
17-01	00-6801	19-08	15-645	21-22	19-626	02-09	27-397	13-22	35-025	04-04	43-568	09-31	61-757	06-23	75-455	21-26	84-376	01-45	87-104	16-38	87-225
17-02	00-6802	19-09	15-646	14-02	20-0010	02-10	27-398	12-13	35-413	03-18	43-701	09-13	63-702	15-08	75-455	16-30	84-462	02-32	87-104	01-48	87-228
17-03	00-6803	20-11	17-5440-G	01-41	20-6165	02-11	27-399	12-14	35-505	03-19	43-702	05-11	63-703	16-27	75-455	05-23	84-463	09-36	87-104	16-39	87-229
01-01	02-119	20-12	17-5440-H	14-03	20-6200	01-24	27-444	12-15	35-509	04-05	43-703	05-12	66-702	19-24	75-468	09-26	84-511	12-33	87-104	07-20	87-233
03-01	02-666	20-13	17-5440-I	14-29	20-6550	01-25	27-449	12-16	35-517	04-06	43-704	07-09	67-751	20-36	75-468	03-35	84-521	13-37	87-104	03-43	87-235
05-01	04-376	20-14	17-5480-G	01-03	21-1008	01-26	27-450	13-23	35-517	04-07	43-705	09-10	67-752	21-23	75-468	10-15	84-563	19-31	87-104	05-29	87-241
05-02	04-377	20-15	17-5490-D	01-04	23-049	01-27	27-456	12-17	35-521	04-08	43-706	09-14	67-753	13-33	75-504	09-27	84-572	20-42	87-104	05-30	87-249
11-02	05-2120-A	21-06	17-5490-D	12-01	23-067	02-13	27-458	13-24	35-521	04-09	43-707	09-15	67-754	07-16	75-520	19-27	84-572	21-30	87-104	16-40	87-249
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SQ Series Instruction Manual

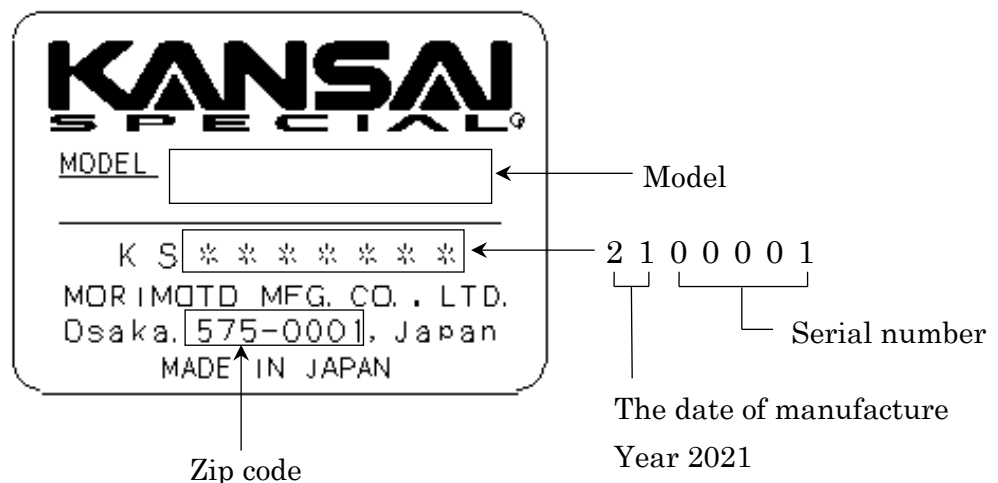
INTRODUCTION

Thank you for your purchasing Kansai Special's SQ Series.

Read and study this instruction manual carefully before beginning any of the procedures and save it for later use.

1. This instruction manual describes adjustments and maintenance procedures on this machine.
2. Before starting the machine, check to make sure the pulley cover, safety cover, etc. are secured.
3. Before adjusting, cleaning, threading the machine or replacing the needle, be sure to turn off the power.
4. Never start the machine with no oil in the reservoir.
5. Refer to the parts list as well as this instruction manual before performing preventive maintenance.
6. The contents described in this instruction manual are subject to change without notice.

Indication of serial number



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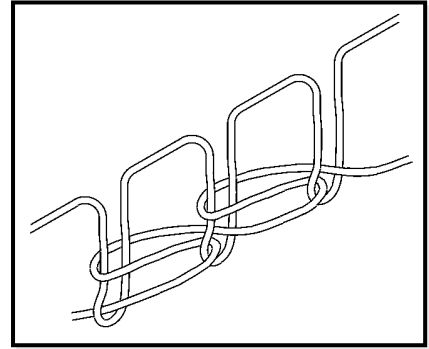
【 1 】 SPECIFICATIONS

1-1 Stitch type

High speed, Feed-off-the arm, 3 needle(2 needle),
Double chain stitch machine

1-2 Stitch formation

JIS 401 Double chain stitch



【 2 】 NEEDLES & THREADING

2-1 Needles

UY128GAS of Schmetz , Organ or Groz-Beckert.
Select the proper needle for the fabric and thread.

< Needles and needle size for SQ7800 series >

Organ	# 16	# 18	# 20	# 21	# 22
Schmets Groz	Nm100	Nm110	Nm125	Nm130	Nm140

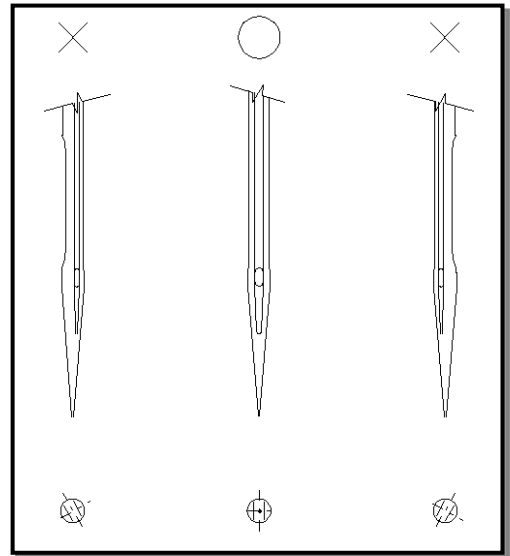
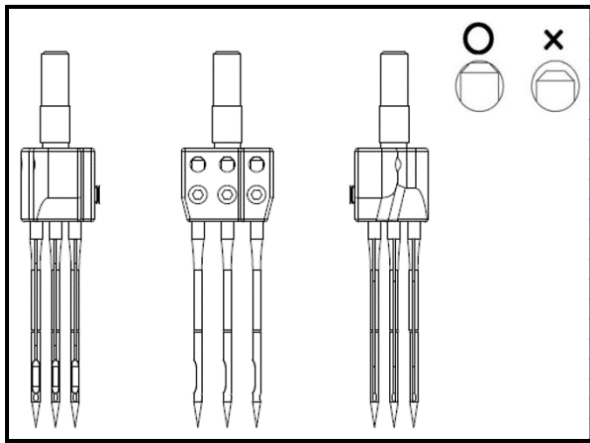
< Needles and needle size for SQ7700 series >

Organ	# 10	# 11	# 12	# 14	# 16
Schmets Groz	Nm70	Nm75	Nm80	Nm90	Nm100

2-2 Replacing the needle

To replace the needle, check the needle carefully to see that the scarf is turned to the rear (see the illustration).

Then install the needle correctly.



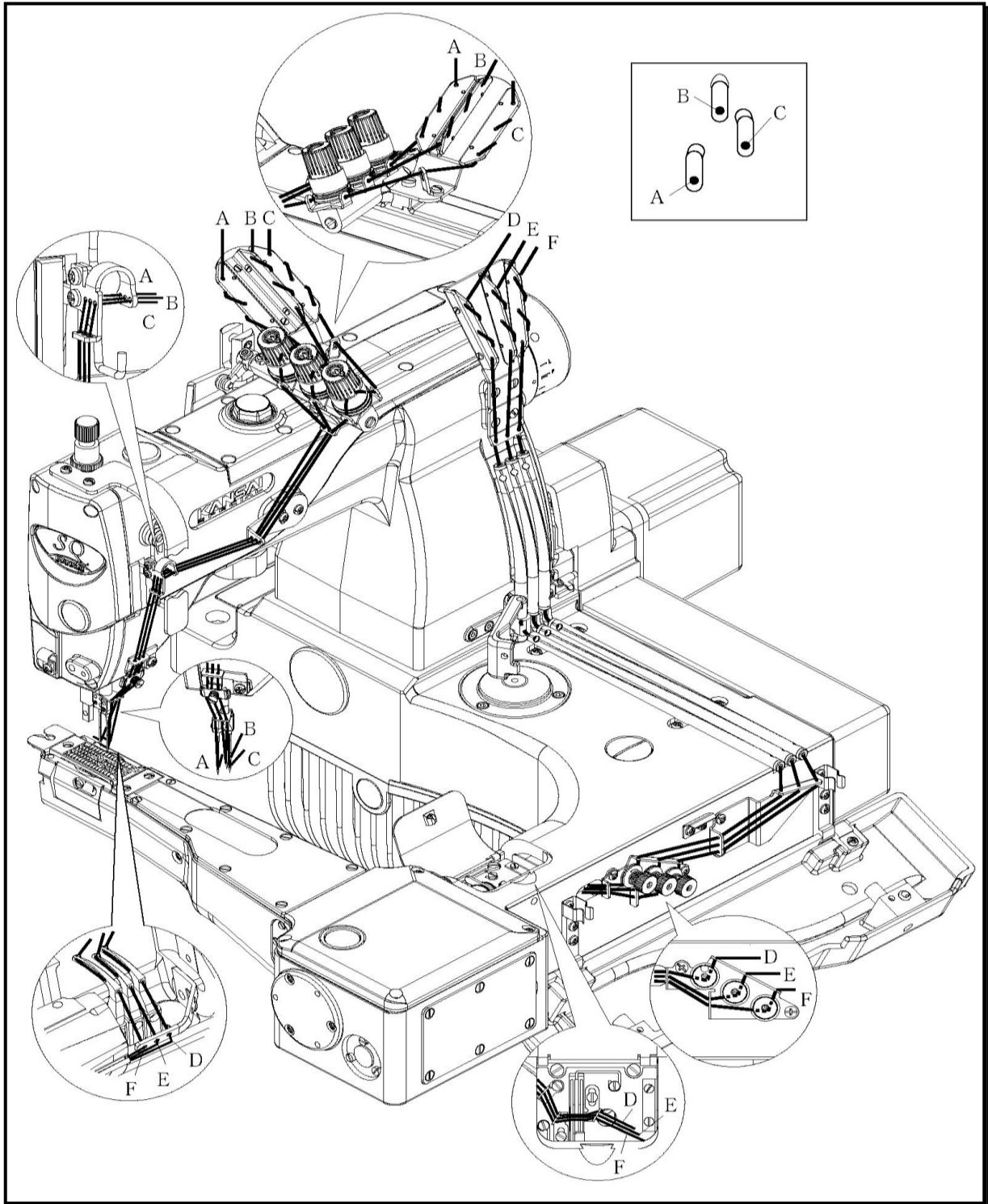
< Note >

Before replacing the needle, be sure to turn off the machine. A clutch motor continues running for a while after the machine is turned off. Therefore keep on pressing the pedal until the machine stops.

2-3 Threading

Thread the machine correctly by referring to the following illustration.

Incorrect threading may cause skip stitching, thread breakage and/or uneven stitch formation.



【 3 】 MACHINE SPEED

3-1 Machine speed & direction in which the machine pulley runs

The maximum and standard speeds of the Series is as follows. (**Maximum: 5000rpm**)

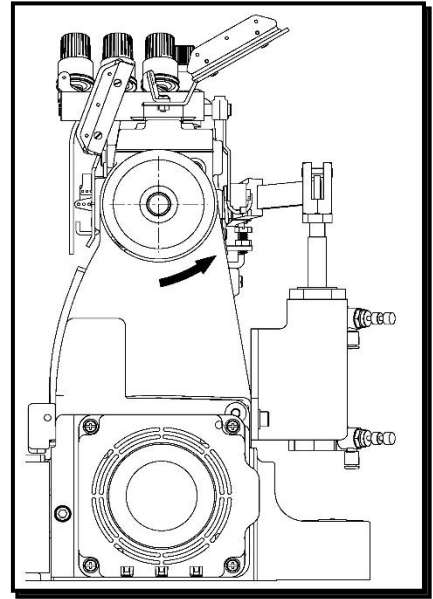
To extend machine life, run the machine approximately 15-20% below the maximum speed for the first 200 hours of operation (approx. 1 month).

Then run the machine at the standard speed.

The machine pulley turns counterclockwise as seen from the machine pulley side.

< Note >

*In case of machine with puller, we have to follow the maximum puller speed (**Maximum: 4500rpm**
standard: 4000rpm)*



【 4 】 LUBRICATION

4-1 Oil

Use Kansai Special's genuine oil. Part No. 28-613 : 2000 cc (1000cc x 2 bottles)

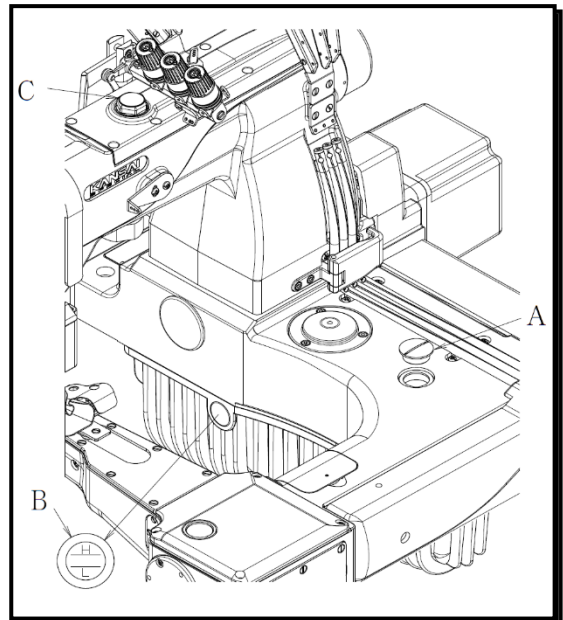
4-2 To fill the machine with oil

Remove rubber plug A from the oil hole.

Fill the machine with oil until the oil level is at the top line (see H in the illustration) on oil gauge B.

After the first lubrication, add oil so that the oil level will be between H and L.

After filling the machine with oil, run the machine to check the oil is splashing onto oil pot C.

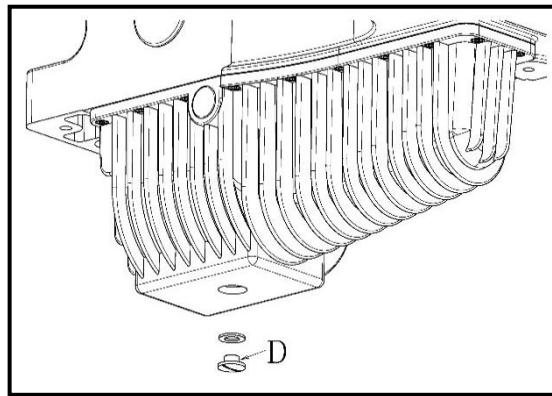


4-3 Replacing the oil and the oil element

To extend machine life, be sure to replace the oil after the first 250 hours of operation.

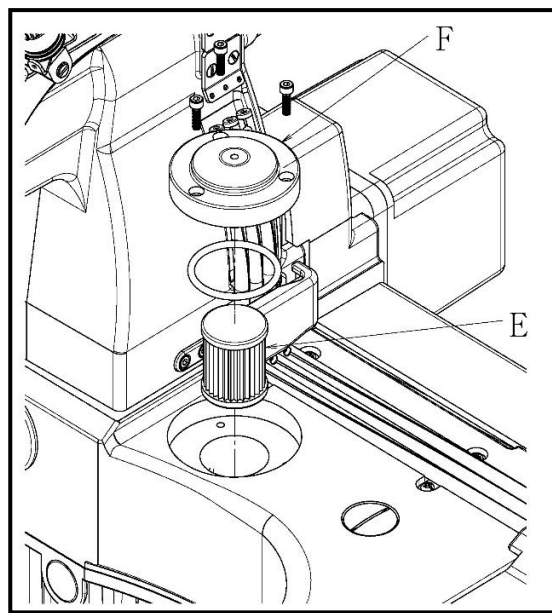
To replace the oil, follow the procedures below.

1. Remove screw D and then drain the oil.
Be careful not to stain V belt with the oil.
2. After draining the oil, be sure to tighten screw D.
3. Fill the machine with oil by referring to 4-2 shown above.



If element E is contaminated, proper oiling may not be performed. Clean the filter element every six months. If just a little or no oil flows out from the nozzle with the proper amount of oil in the machine, check the element. To do so, remove oil filter cap F.

Replace the element if necessary.

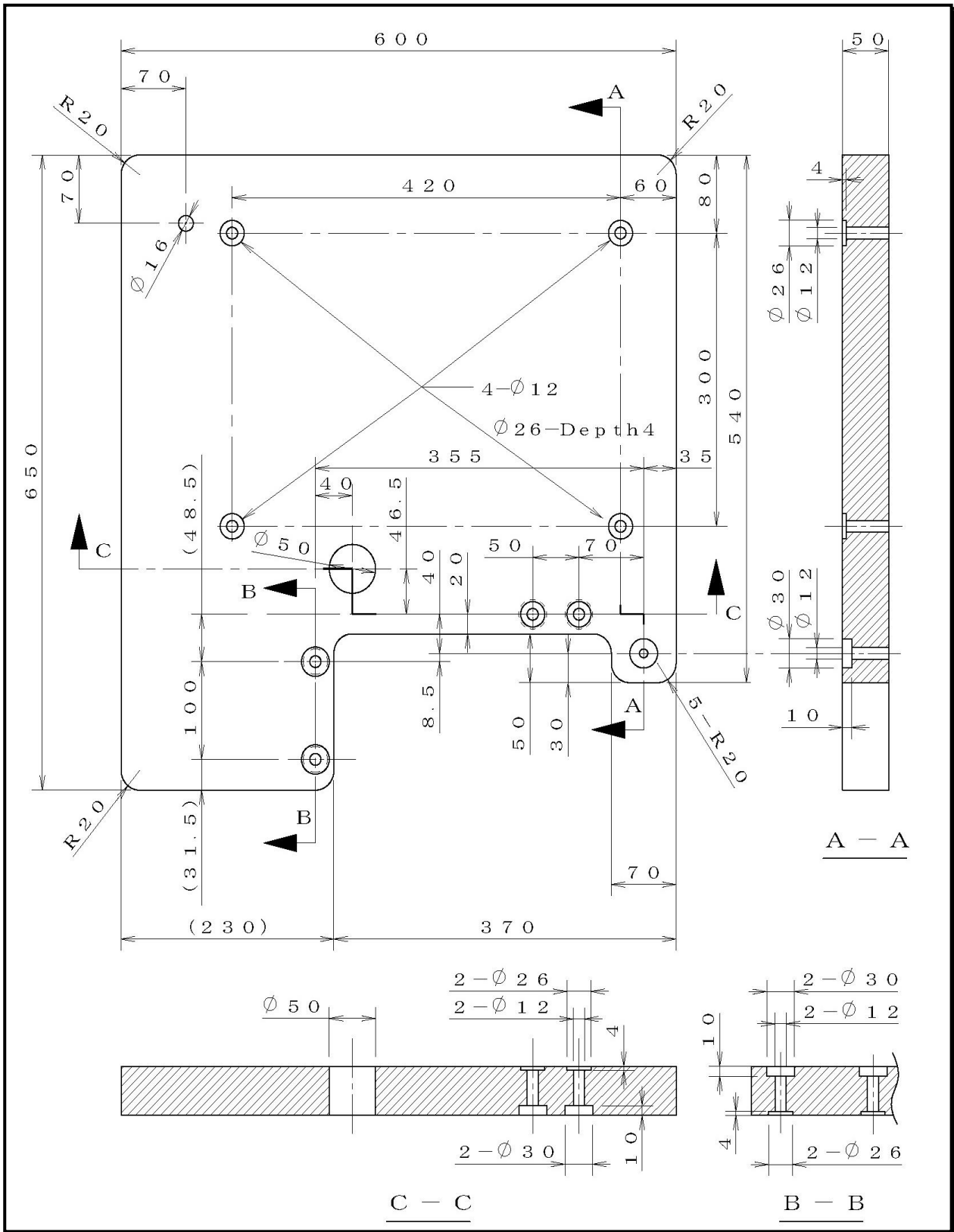


< Note >

When the oil filter cap is removed, the oil collected on the element drips. Be careful.

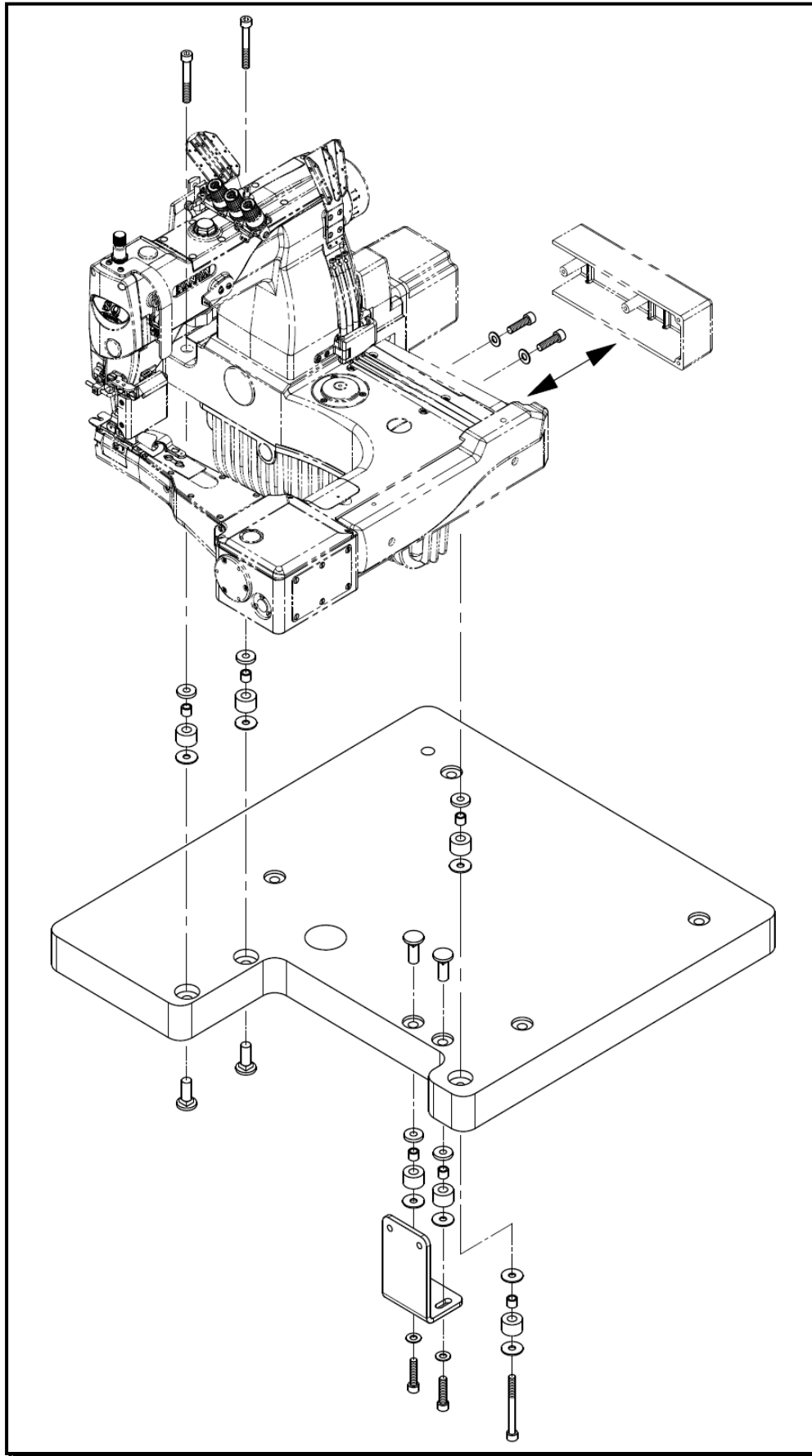
【5】 SEWING MACHINE INSTALLATION

5-1 Cutting the machine table



5-2 How to install the machine

Refer to the following illustration, and install a machine on the table.

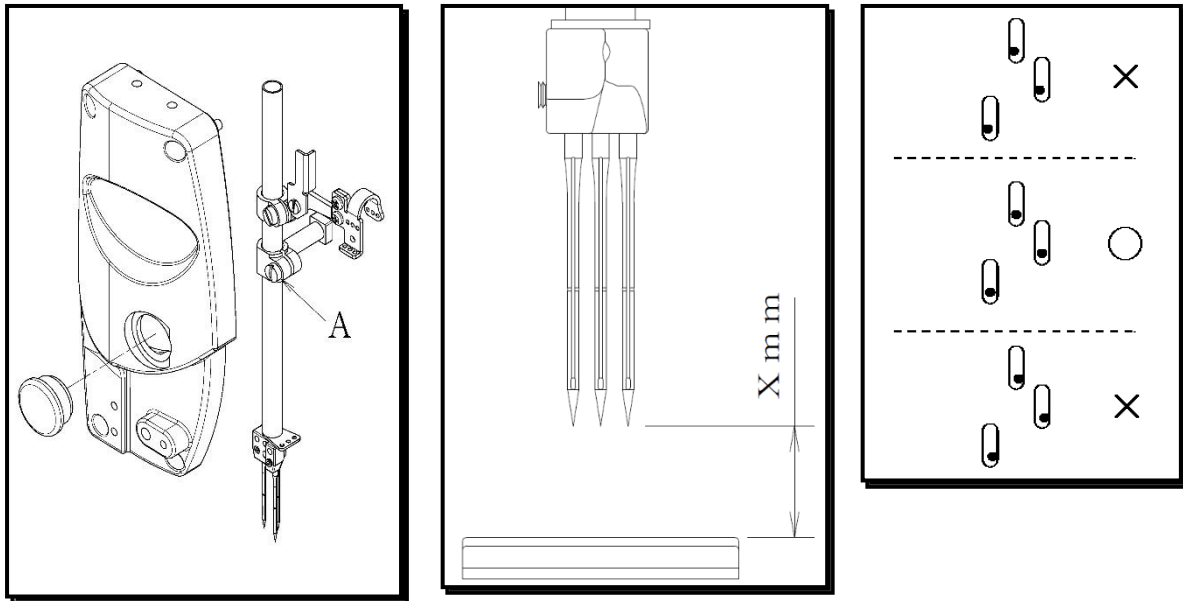


【6】 TIMING OF THE LOOPER TO THE NEEDLES

- The timing of the looper to the needle is properly adjusted as initial factory setting.
Only in case of disassembling or replace new parts, it would be necessary to re-adjust.
Please keep the following instruction.

6-1 Adjusting the needle height

When the needle bar is at the top of its stroke, remove the plug on the head cover, loosen screw A, and move the needle bar up or down. At the top of the needle bar stroke, the distance X between needle and needle plate is as shown in the following figure.

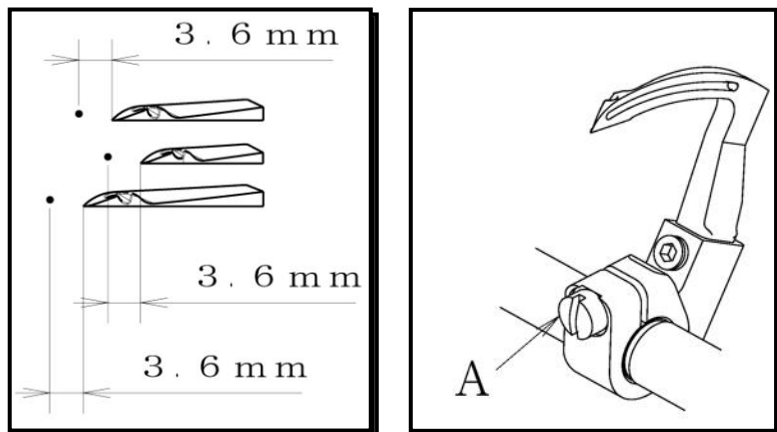


< Note >

After the above adjustment, check to make sure each needle drops into the center of each needle hole.

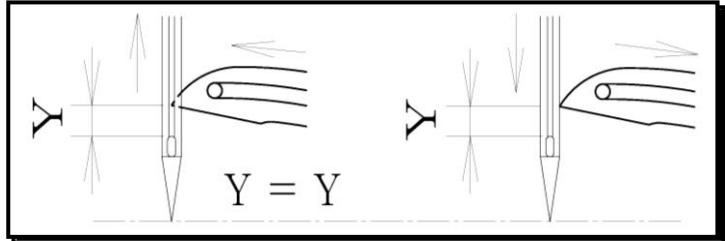
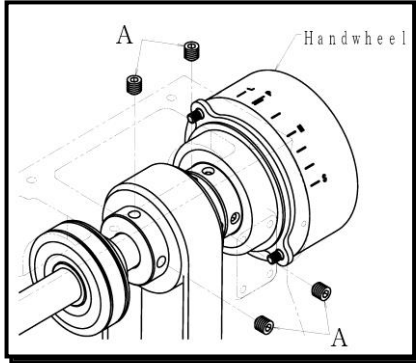
6-2 Looper setting distance

When the looper is at the rightmost position, looper setting distance is the fundamental distance from the point of the looper to the center of the needle should be 3.6mm. The adjustment can be done by loosening Screw A in the looper holder. (See the following illustration.)



6-3 Adjusting the needle/looper setting distance

When the point of the looper moves to the left or to the right and reaches to the center of the needle, there should be same distance Y from the top of its needle's eye to the point of the looper by referring to the illustration below. To adjust the timing of the looper to the needles, remove the machine cover, loosen screws A on the timing pulley (upper), and shift the timing pulley (upper) by turning the handwheel while holding the timing pulley by hand.

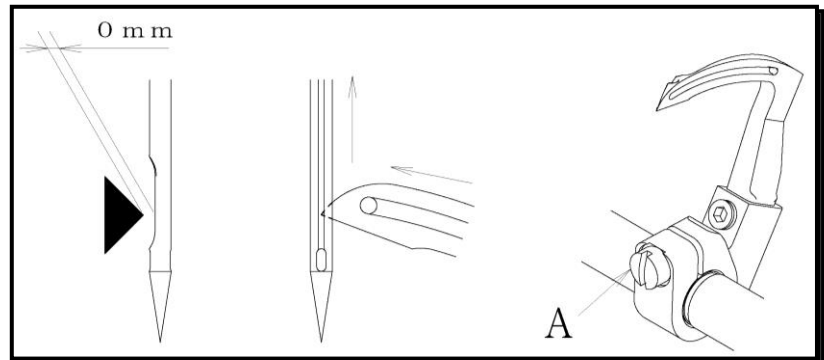


Gauge (inch)	Needle height (mm)	Distance Y (mm)
SQ7803(1/4)	13	1.5~2
SQ7702(1/4)	11	2~2.5
SQ7702(3/16)	11.2	1.9~2.4

6-4 Needle/looper front-to-back relationship

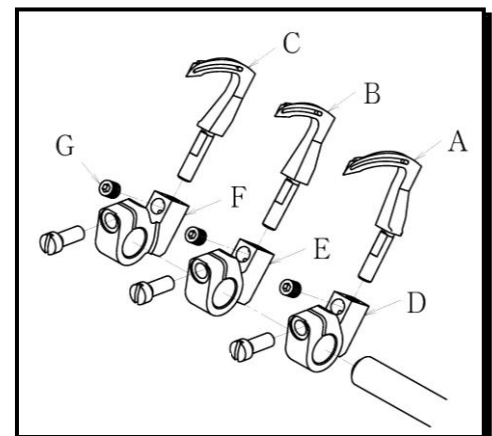
The clearance between back side of needle and the point of the looper is 0mm. (When the looper moves from the right to the left and pass the back side of the needle)

The adjustment can be done by loosening Screw A in the looper holder. (See the following illustration.)



6-5 Angle & Height for installing the looper

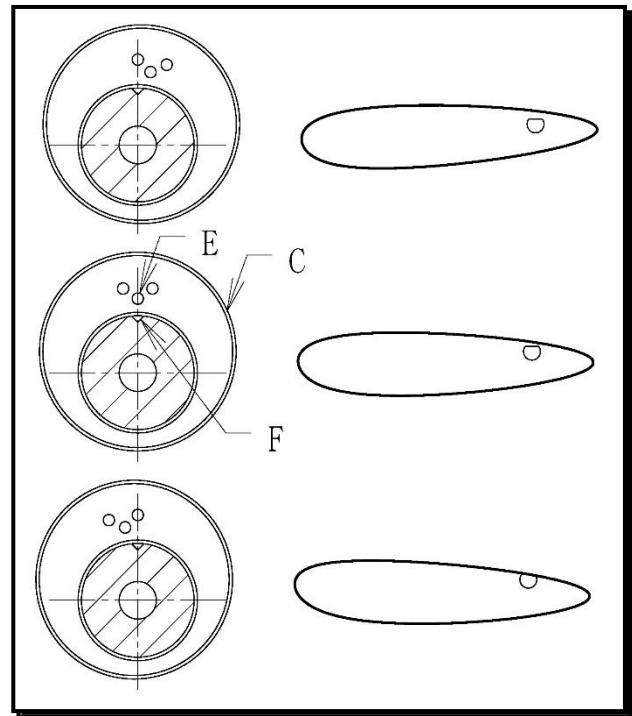
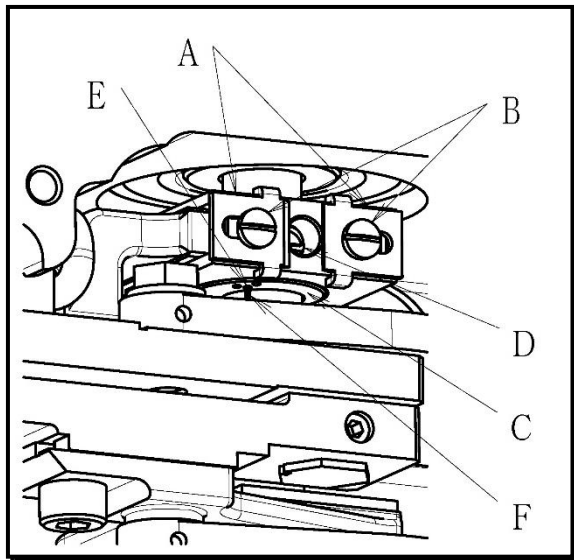
Angle & Height of the looper A,B,C is automatically fixed after install to the looper holder D,E,F and tighten screw G.



6-6 Looper movement orbit

As per the below illustration, looper orbit can be changed. The standard position as our initial setting is that the mark F is matching with the mark E.

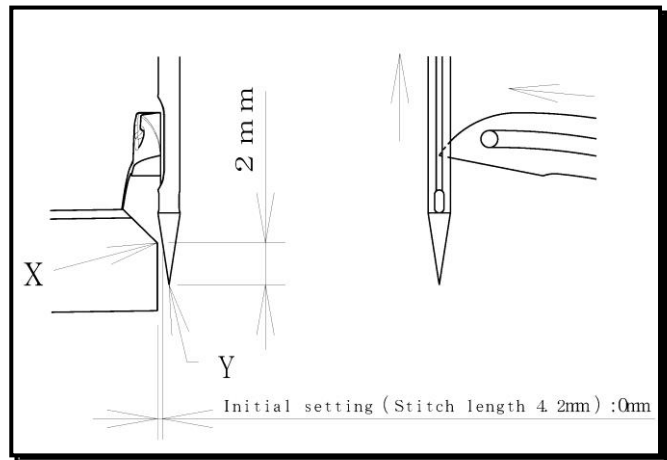
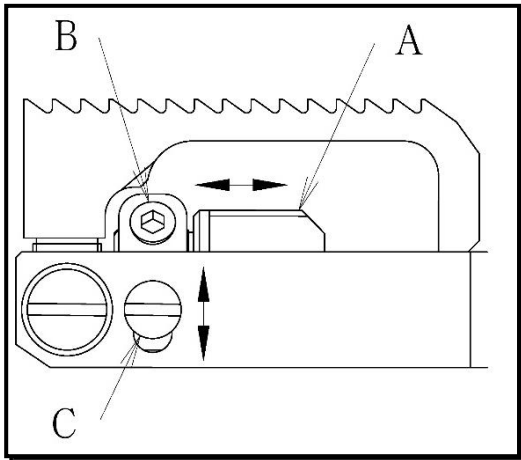
To change the looper's orbit, loosen screw B on cover A and also loosen screw D (2 places), then shift the timing mark by moving the mark F on eccentric C by referring to the illustration below.



【 7 】 NEEDLE GUARDS ADJUSTMENT

7-1 Height of the needle guard

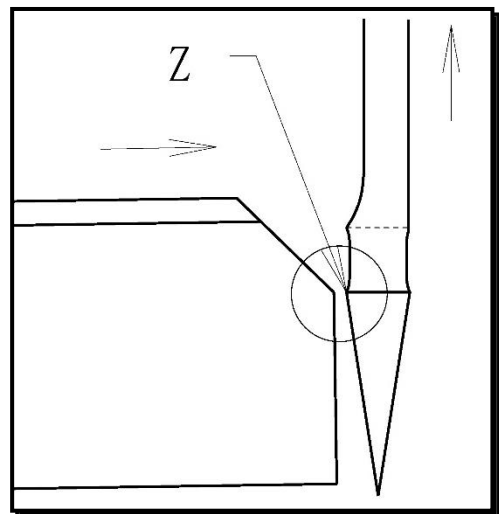
To adjust the height of the needle guard (rear), the distance between the point of the needle and line X on the needle guard is 2mm when the point of the looper has reached the center of the back side of the needle.



7-2 Front-to-back position of needle guard

When the needle goes up from the bottom of its stroke, and needle guard A reaches the needle, the bottom of needle hole Z and needle guard A has a 0.1mm clearance.

Adjust by screw B.



< Note >

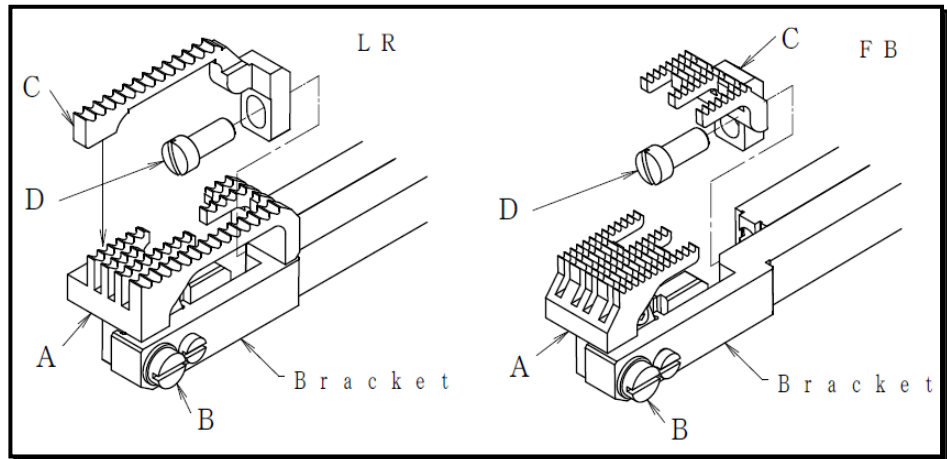
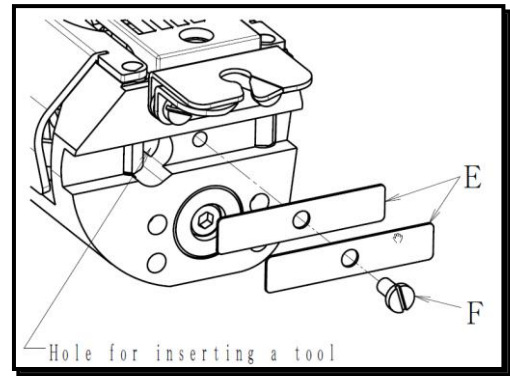
The needle guard position must be adjusted again when changing the stitch length.

【8】 FEED DOGS & STITCH LENGTH

8-1 Feed dog installation and adjustment

■ Feed dog installation

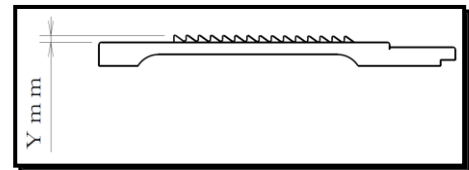
1. Set the main feed dog A on the bracket by Screw B.
2. Set the differential feed dog C on the main feed dog A by Screw D. (After loosen Screw F and remove Cover E)
3. And please be sure that the machine's hand wheel can turn smoothly with differential feed effective.



■ Height

The height of the feed teeth should be adjusted so that it reaches the value shown in the table when the feed teeth are at their highest point.

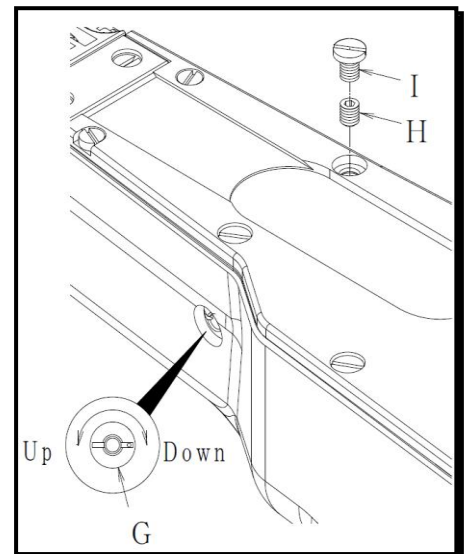
Series	Feed dogs height Y (mm)
SQ7800	1.4
SQ7700	1



■ To adjusting the feed dog height

Remove Screw I and loosen Screw H,
Then turn Eccentric Pin G.

(Turn clockwise: down, turn counterclockwise: up)



8-2 Stitch length

The stitch length can be adjusted by push button C.

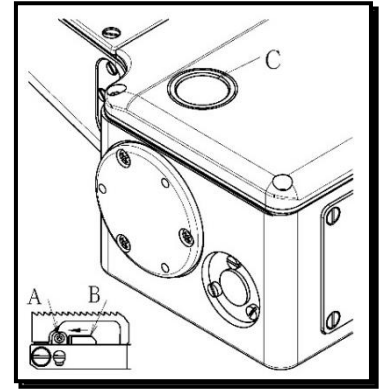
The following table shows the stitch length with the number of stitches within 1 inch (25.4mm).

SQ7800

Stitch length (mm)	No. of stitches (within 1 inch)
4.2	6
3.6	7
2.4	10.5
1.4	18

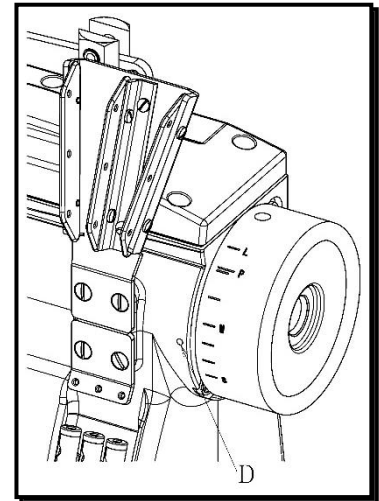
SQ7700

Stitch length (mm)	No. of stitches (within 1 inch)
3.2	8
2.2	11.5
1.2	21



■ To adjust the stitch length

1. Loosen Screw A in the needle guard B, and move the needle guard backward most. Then fix temporarily.
2. Press push button C lightly until its end touches the inside part and clicks.
3. Turn handwheel by hand while pressing the push button lightly until the push button goes further into the depth.
4. Then press down the push button strongly again. Align the desired stitch length with alignment mark D and release the push button.
5. Adjust the needle guard position and tighten Screw A. (Refer to the needle guard adjustment P.10)



8-3 Differential feed

■ Normal differential feed (to gather the fabric)

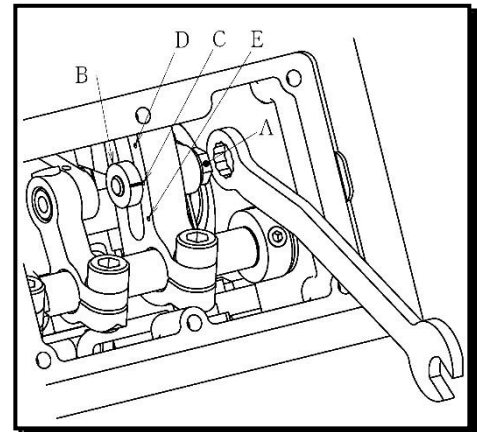
To make this adjustment, loosen bolt A, move nut B up or down and tighten nut A at the required position by specialized tool in accessory box. To obtain a feed ratio of 1:1, align nut B with the mark in lever C.

To obtain the normal differential feed, raise nut B above this mark C. To obtain ratio of 1:1.3, align the mark in nut B with D mark.

■ Reverse differential feed (to stretch seam the fabric)

To obtain the reverse differential feed, lower nut B below this mark C.

To obtain ratio of 1:0.7, align the mark in nut B with E mark.



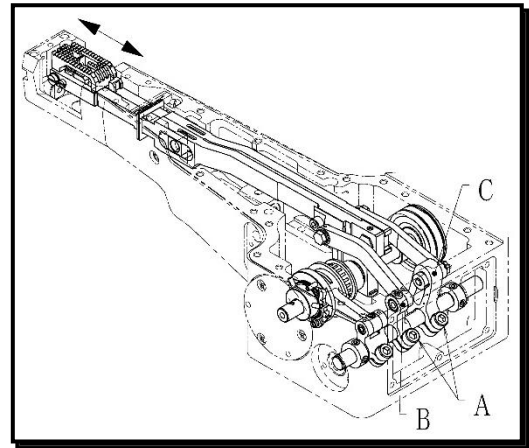
< Note >

To adjust the stitch length, be sure to turn off the power first. And check to make sure the feed dogs do not touch the needle plate.

The stitch length can be changed depending on the thickness of fabric and feed dog height.

8-4 Front-to-back position of the feed dogs

Loosen Screw A, and move the main feed dog and the differential feed dog lever to adjust the proper position of feed dog.
After adjusting, please be sure that the feed dog doesn't touch with the needle plate and turn the hand pulley smoothly. Then, tighten the screw A.

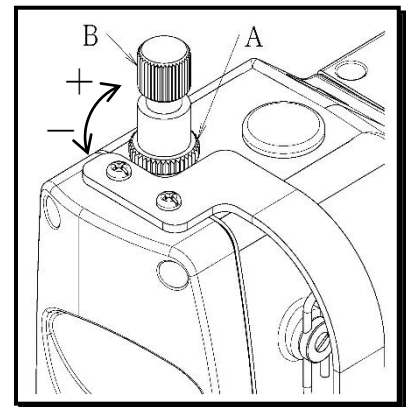


【9】 PRESSER FOOT

9-1 Presser foot pressure

The presser foot pressure should be as light as possible, yet be sufficient to feed the fabric and produce uniform stitches.

To increase the presser foot pressure, turn the adjusting knob clockwise.



9-2 The presser foot installation

■ The presser foot removal

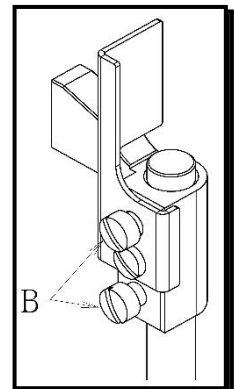
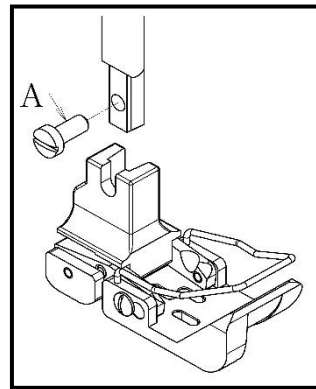
Loosen Screw A and lift up the presser foot bar.

■ The presser foot installation

Lift up the presser foot bar and set the presser foot, then tighten Screw A.

There is the flat part in the presser foot bar to fit the presser foot.

If the needle doesn't drop to the center of presser foot needle drop hole, please turn the presser foot bar at the proper position by loosening Screw B.

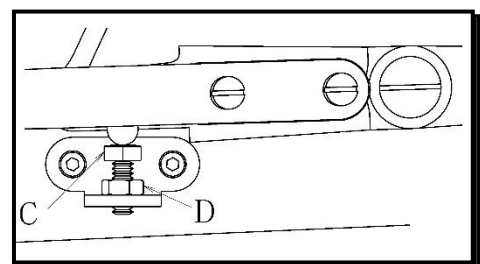


9-3 Presser foot lift

Presser foot lift amount should be 10mm above the top surface of the needle plate.

Set stopper C at the required position.

Fasten the presser foot lift lever with nut D so that the lever cannot be lowered.

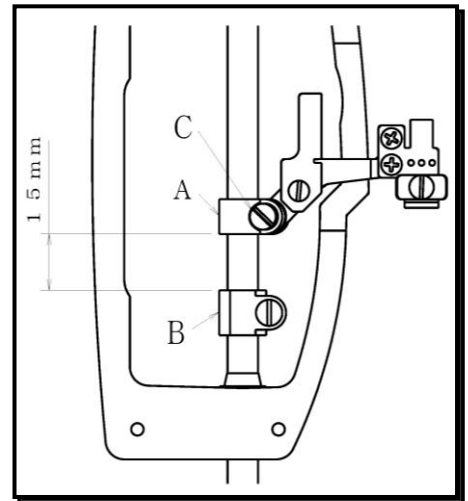


【10】 STITCH FORMATION

10-1 Needle thread adjusting

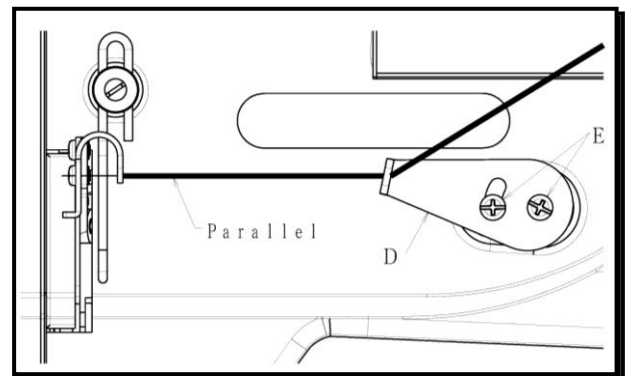
■ Needle thread take-up

The position of needle thread take up bracket A
The bottom line of bracket A is set 15mm higher than the top line of the needle bar bracket B.
(adjusting by loosening Screw C.)



■ Thread eyelet position

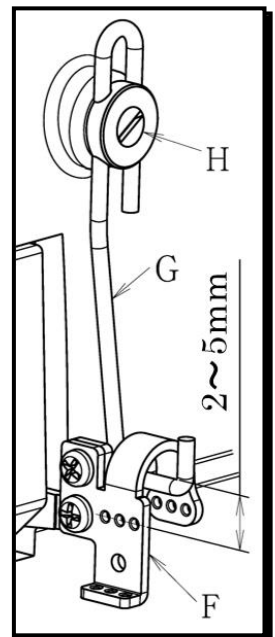
When the needle bar is at the top of its stroke,
Adjust thread eyelet position so that the
thread is almost parallel by loosening Screw
E of Eyelet D.



■ Needle thread adjusting

When the needle bar is at the lowest position of its stroke, please adjust
the upper line of the needle thread take up G is 2 ~5mm higher than
the center of needle thread hole in the eyelet F.

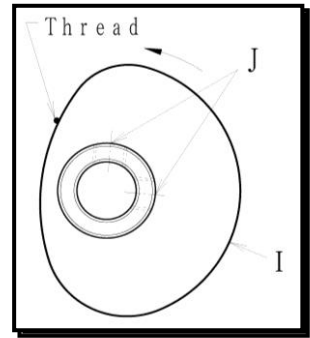
Adjust by Screw H, then if raise G up, can make the needle thread loop
bigger, and if lower G down, can make the needle thread loop smaller.



10-2 Looper thread adjusting

When the looper start to move from the left end to the right direction the looper thread cam I starts drawing / catching thread. Adjust by screw J.

To increase the amount of looper thread, advance the timing at which the looper thread take-up cam starts to draw / catch the looper thread. When adjusting looper thread take up cam position, please be careful not to move to the shaft direction.



【11】 TAPE CUTTER DEVICE

11-1 Air pressure

Set the air pressure at 4~5 kg/cm² by regulator.

Do not increase the air pressure over 5kg/cm², which may cause trouble.

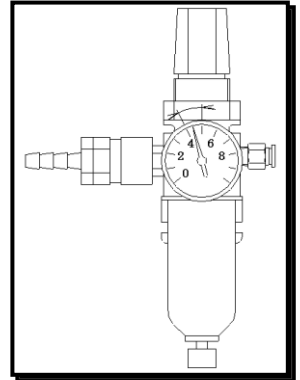
See the parts list for tube piping.

< Note >

Be careful about the remaining compressed air.

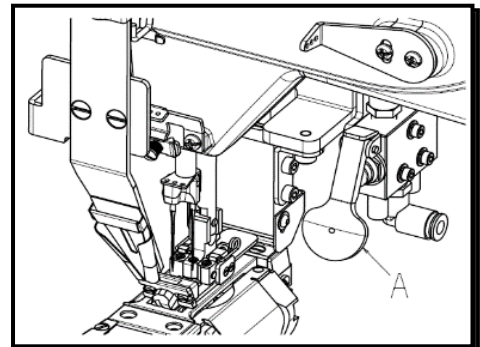
Even if stopping the air source at compressor, it is possible to remain compressed air in tube.

Release the remaining compressed air by regulator.



11-2 Operation method

Press the manual switch A on the hand valve by hand to move the cutter down and cut the tape. When the finger is released from the manual switch A, the cutter returns to the original position.



11-3 Adjustment

■ Adjusting the verticality of the knife

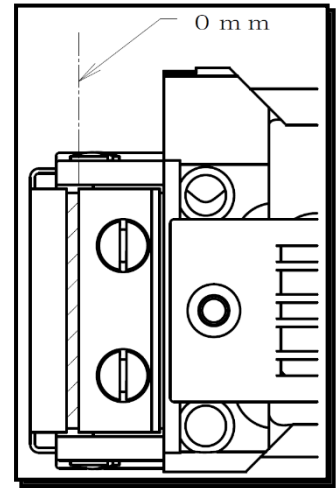
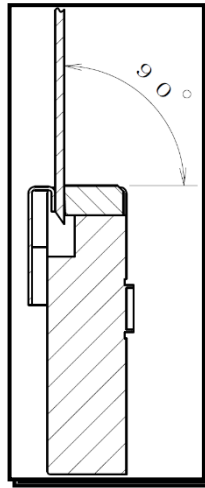
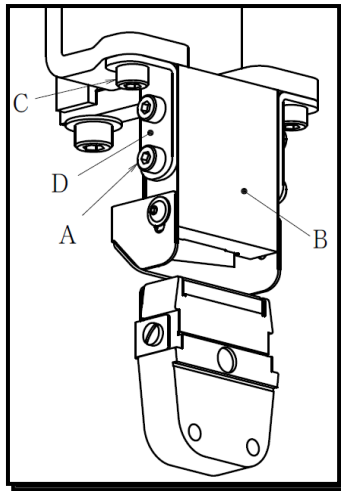
Loosen screw A and adjust the position of the guide bracket B so that the upper and lower knives are vertical (90 degree).

■ Adjusting the parallelism of the knife

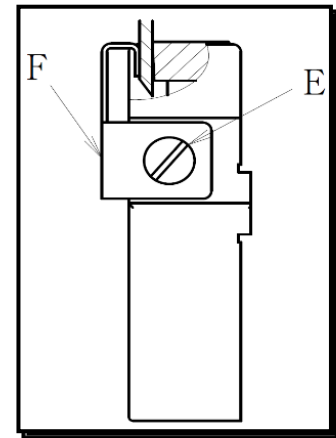
Loosen screw C and adjust the position of the guide plate D so that the upper and lower knives are parallel and the gap is 0 mm.

< Note >

Make sure to turn off the air source, before adjusting, cleaning etc.



- Adjusting the pressure on the knife
Loosen screw E and fix the guide F in the position where it is lightly pushed against the upper knife.
If the cut is not good, try pressing stronger.



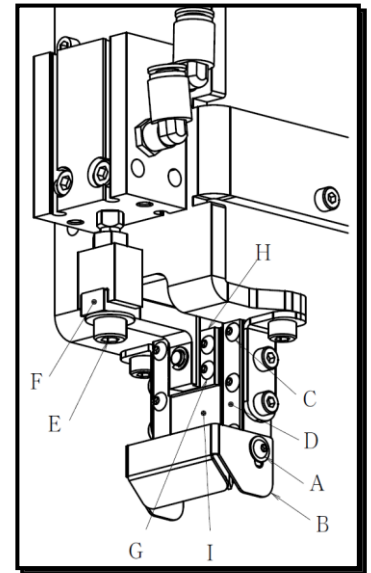
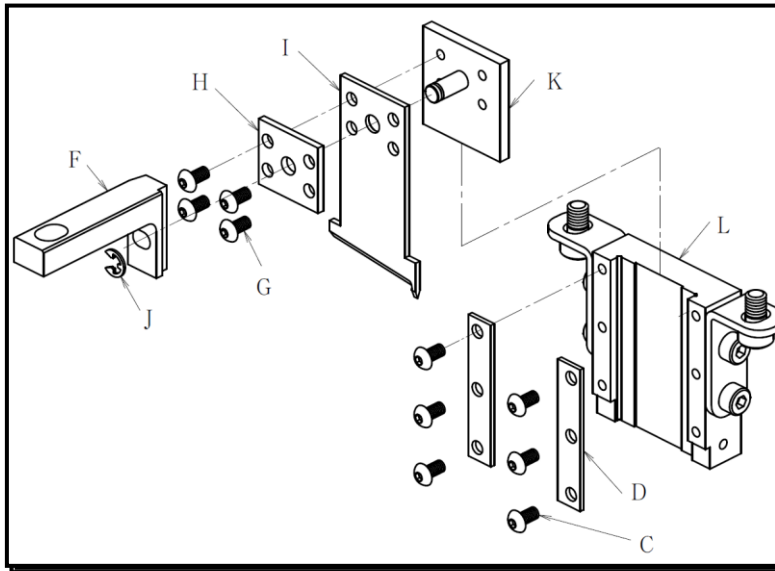
11-4 Replacing the upper knife

■ The way of removal

1. Remove screw A and remove the cover B.
2. Remove screw C and remove the guide plate D.
3. Remove screw E and take out the upper knife unit from the air cylinder and guide bracket L.
4. Remove the E-ring J and remove the bracket F.
5. Remove screws G and remove the plate H and the upper knife I from the bracket K.

■ The way of setting

1. Attach the new upper knife I and plate H to the bracket K and fix it with screws G. At this point, make sure that the upper knife I and the bracket K are parallel.
2. Set the bracket K with the bracket F and E ring J attached to guide bracket L, and fix the guide plate D with screw C.
3. Set the bracket F to the air cylinder and fix it with screw E.
4. Adjust the cover B to a height that prevents fingers from entering the gap, and fix it with screw A.
5. Move the air cylinder by hand and then check the sharpness of the knife.
If the cutting condition is not good, please adjust the tape cutter. (See 11-2)



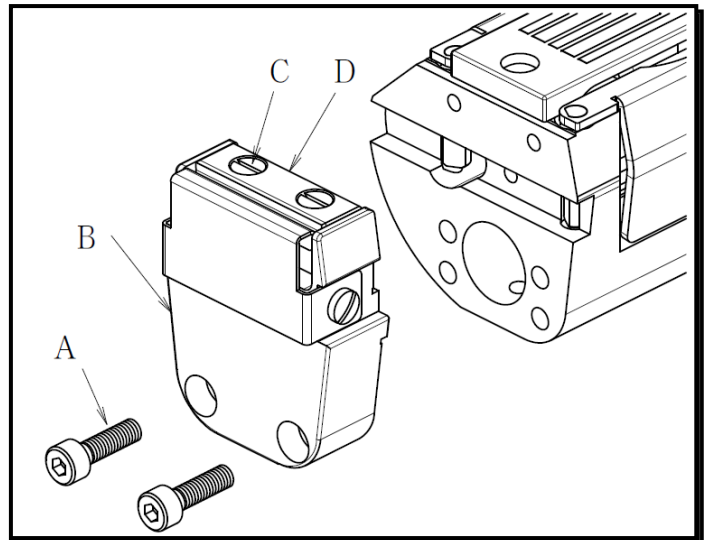
11-5 Replacing the lower knife

■ The way of removal

1. Remove screw A and then remove the bracket B.
2. Remove screw C and then remove the lower knife D.

■ The way of setting

1. Fix the new lower knife D with screw C.
2. Set the bracket B on the sewing machine base and fix it with screw A.
3. Check the sharpness of the knife in the same way as replacing the upper knife.

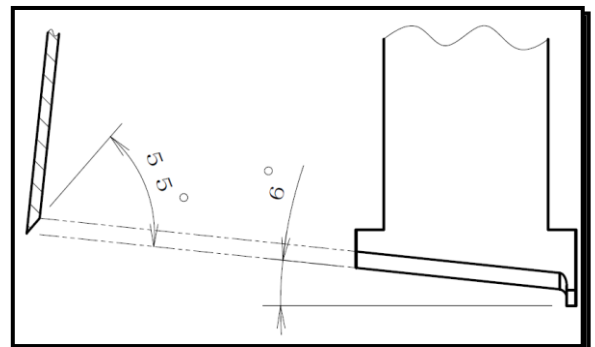


< Note >

Make sure to turn off the air source, before replacing the knife.

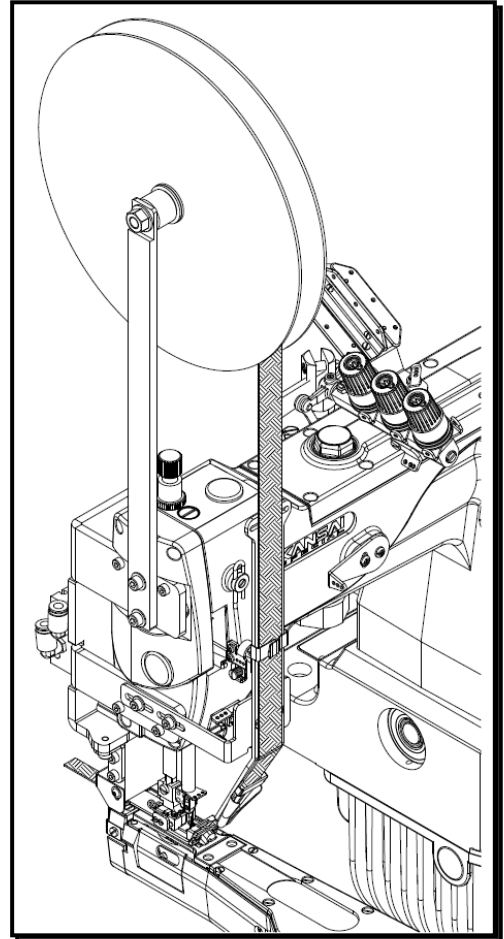
11-6 To sharpen the knife

The lower knife is made of an extra hard alloy. When the knives become dull, sharpen the upper knife first (see the illustration). If cutting is still not performed properly, replace the lower knife



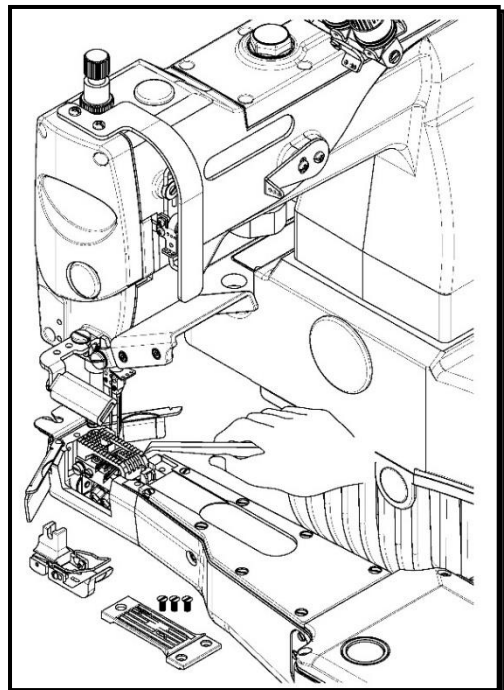
【12】 TAPE GUIDE INSTALLATION

Please install the tape guide included with the L series by referring to the figure on the right.



【13】 CLEANING THE MACHINE

At the end of each day, remove the needle plate and clean the slots of the needle plate and the area around the feed dogs.



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