

PARTS LIST & INSTRUCTION

NW *SERIES*

Industrial Sewing Machines

NW8000G series

NW2200G series

NW3300G series

NL5800G series

2024年6月 第9版 発行

9th edition: June 2024

No.240093



KANSAI
SPECIAL[®]

- このパーツブックは、2024年6月製造中のNW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。

- This parts book is based on data current June 2024.
- 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.

NWシリーズ 表示方法

NW SERIES INFORMATION

- NW8803Gは上飾り付です。
NW8803G is with top cover thread.
- NL5800Gは二重環縫い1本針, 2本針, 3本針ミシンです。
NL5800G is double chain stitch. (1~3 Needles)
- NW8842-1Gはポケットフェーシング縫付用です。
NW8842-1G for attaching front pocket facing.
- NW2202GCシリーズはベルトループ用です。
NW2202GC is for belt loop with front knife.
- NW8803G-1Sは上飾りシェルステッチ縫い付です。
NW8803G-1S is with top cover thread and shell stitching.
- NW3303GFMMは3本針スモック飾りテープ付用です。
NW3303GFMM is with smocking for tape attaching.

■ 針幅です。(インチ)
Needle width (inch)

N	W	8	8	0	3	G	D	-	U	T	A	-	1	/	4
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

■3は3本針です。
3 is 3 Needle machine.

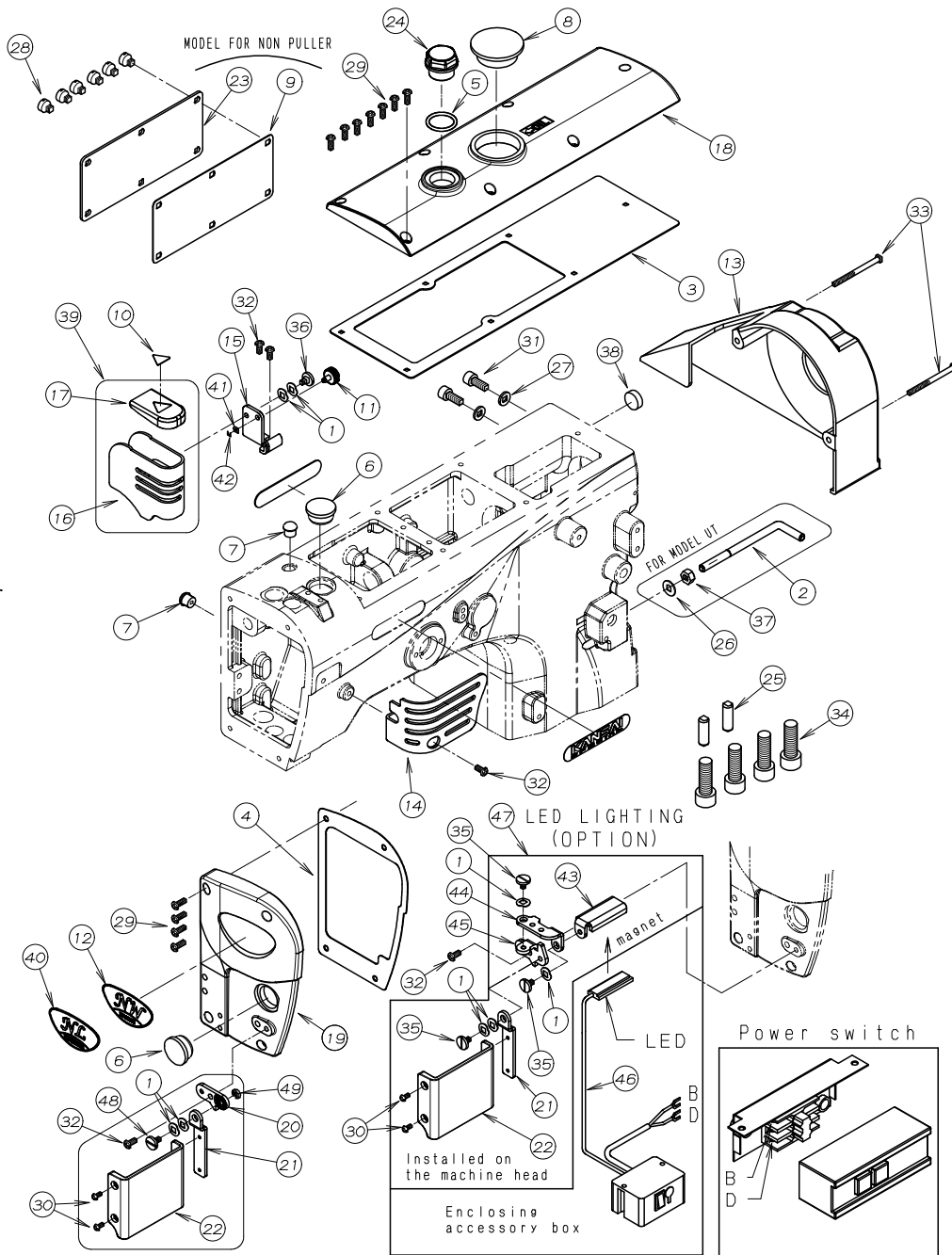
- Dは地縫用です。
D for plain seaming operation.
CLはカバーリング用です。CL for covering operation.
Fはテープ付用です。 F for binding tape operation.
MGは地縫い, テープ付です。 MG for Plain seam with binding tape operation.
FMGは出荷時の仕様がテープ付です。 FMG for binding tape operation at factory setting.
- NL5803GPHDは中厚用/平押えです。 NL5803GPHD for plain seaming.
- NL5803GPTF, GPXPは中厚用/トラクターフットです。 NL5803GPTF, GPXP for lap seaming with TRACTOR FOOT.
- Lはテープ付け用です。 L for line attaching.
- DEはレースゴム付けです。 DE for attaching elastic lace.
- WDは2列上飾り付です。 WD for decoration seaming with DUAL STITCH.
- EKはレースゴム付け用前メス装置付です。 EK with fabric cutter for attaching elastic lace.
- EMK-Eは電気式前メス装置付きレースゴム付けです。
EMK-E for attaching elastic lace (Electric feeder) with fabric cutter.

- UTAはエア式糸切装置付ミシンです。
UTA is with thread trimmer unit.
(PNEUMATIC TYPE)
- UTEは電気式糸切装置付ミシンです。
UTE is with thread trimmer unit.
(ELECTRIC TYPE)

目次 CONTENTS

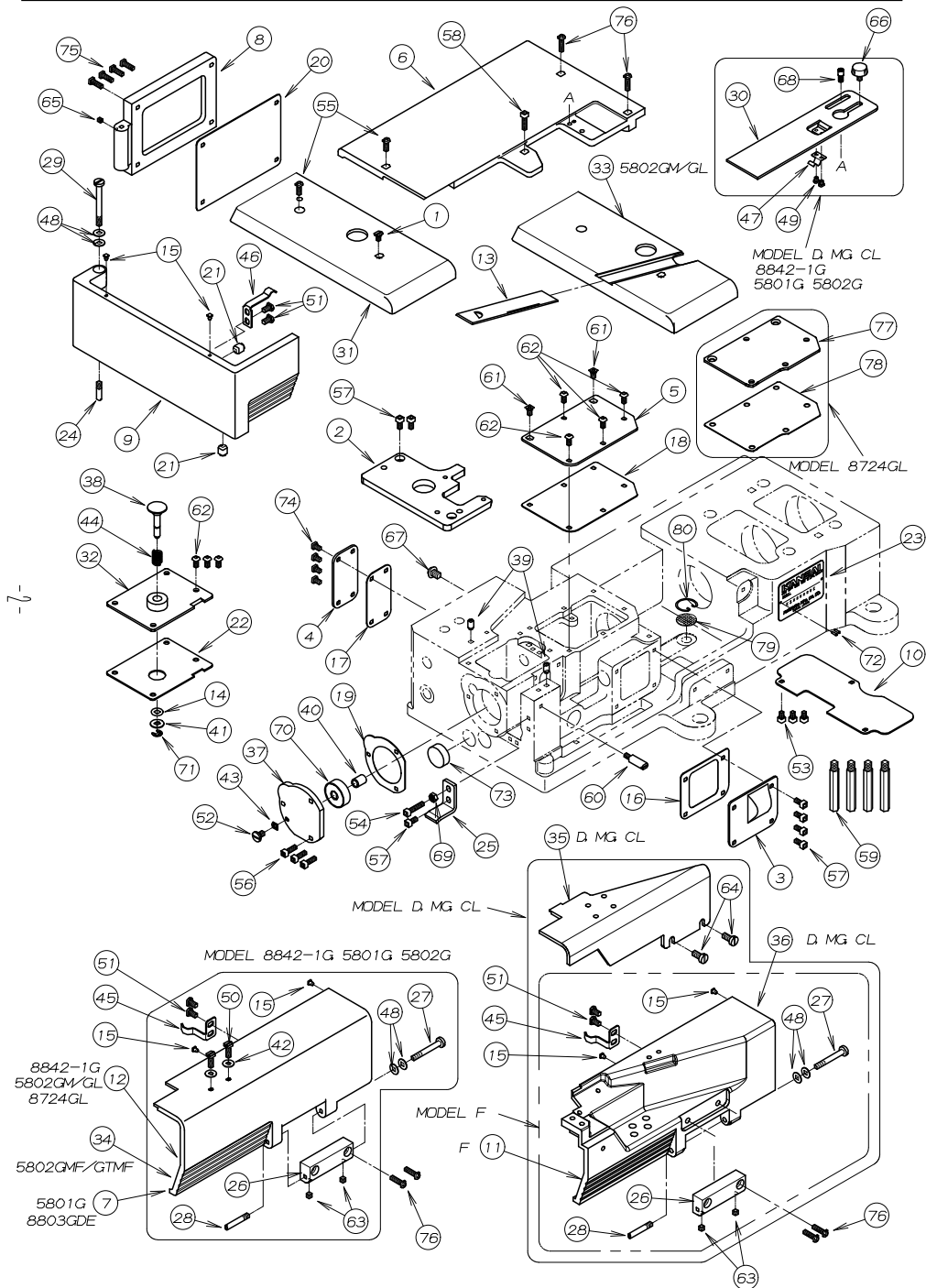
1. フレーム関係 (1)	FRAME ASSEMBLY (1)	1	38. ゲージ関係 (1)	GAUGE PARTS (1)	39
2. フレーム関係 (2)	FRAME ASSEMBLY (2)	2- 3	39. ゲージ関係 (2)	GAUGE PARTS (2)	40
3. 糸調子機構	THREAD TENSION MECHANISM	4	40. ゲージ関係 (3)	GAUGE PARTS (3)	41
4. 糸調子機構 (UT除外)	THREAD TENSION MECHANISM (WITHOUT UT)	5	41. 特殊ルーパー台機構	SPECIAL LOOPER HOLDER (5803, 5802, 8842-1)	42
5. プッシュ機構	BUSHING	6	42. ゲージ関係 (4)	GAUGE PARTS (4)	43
6. 下軸機構	CRANKSHAFT MECHANISM	7	43. ゲージ関係 (5)	GAUGE PARTS (5)	44
7. ルーパー機構, 針受機構	LOOPER, NEEDLE GUARD MECHANISM	8	44. 押し揚り装置 (エア式) FL-8	FOOT LIFTER MECHANISM (PNEUMATIC TYPE) FL-8	45
8. 送り機構 (1)	FEED MECHANISM (1)	9	45. 押し揚り装置 (エア式) FL-9	FOOT LIFTER MECHANISM (PNEUMATIC TYPE) FL-9	46
9. 送り機構 (2)	FEED MECHANISM (2)	10	46. ゲージパーツ表 (1)	GAUGE PARTS LIST (1)	47
10. 下糸扱き機構	LOOPER THREAD MECHANISM	11	47. ゲージパーツ表 (2)	GAUGE PARTS LIST (2)	48
11. 針棒上軸機構	NEEDLE BAR MECHANISM	12	48. 特注針板パーツ表	EXTRA NEEDLE PLATE PARTS LIST	49
12. 上糸扱き機構	NEEDLE THREAD MECHANISM	13	49. NW2202GC用専用部品 (1)	MODEL NW2202GC EXCLUSIVE PARTS (1)	50
13. 上飾り機構	SPREADER DRIVE MECHANISM	14	50. NW2202GC用専用部品 (2)	MODEL NW2202GC EXCLUSIVE PARTS (2)	51
14. 押し揚り機構	PRESSER FOOT MECHANISM	15	51. NW2202GC用カバー	MODEL NW2202GC COVER ASSEMBLY	52
15. 給油機構 (1)	LUBRICATION MECHANISM (1)	16	52. NW2202GPC後プーラー機構 (1)	REAR PULLER MECHANISM (1)	53
16. 給油機構 (2)	LUBRICATION MECHANISM (2)	17	53. NW2202GPC後プーラー機構 (2)	REAR PULLER MECHANISM (2)	54
17. MG専用アクセサリ部品 (同梱品)	MODEL MG EXCLUSIVE ACCESSORIES	18	54. ゲージ関係 (NW2202G)	GAUGE PARTS (NW2202G)	55
18. Fタイプ, CLタイプ専用部品	MODEL F, CL EXCLUSIVE PARTS	19	55. ゲージパーツ表	GAUGE PARTS LIST	56
19. DE, Lタイプ専用部品	MODEL DE, L EXCLUSIVE PARTS	20	56. WDタイプ専用部品	MODEL WD EXCLUSIVE PARTS	57
20. 下糸切り装置 (UT)	KNIFE MECHANISM (UT)	21	57. ゲージ関係 (NW8803GD-WD)	GAUGE PARTS (NW8803GD-WD)	58
21. UT駆動装置 (エア式)	THREAD TRIMMING MECHANISM (PNEUMATIC TYPE)	22	58. ゲージ関係 (NW8803GF-WD)	GAUGE PARTS (NW8803GF-WD)	59
22. UT駆動装置 (電気式)	THREAD TRIMMING MECHANISM (ELECTRIC TYPE)	23	59. NW8803G-1S専用部品	NW8803G-1S EXCLUSIVE PARTS	60
23. 糸調子機構 (UT)	THREAD TENSION MECHANISM (UT)	24	60. NW8803G-1S糸道関係	THREAD CONTROL MECHANISM	61
24. 上飾り糸切装置 (エア式)	SPREADER THREAD TRIMMING (PNEUMATIC TYPE)	25	61. NW8803G-1S駆動機構 (1)	DRIVE MECHANISM (1)	62
25. 上飾り糸切装置 (電気式)	SPREADER THREAD TRIMMING (ELECTRIC TYPE)	26	62. NW8803G-1S駆動機構 (2)	DRIVE MECHANISM (2)	63
26. 上糸拭き装置	THREAD WIPER MECHANISM	27	63. ゲージ関係 (NW8803G-1S)	GAUGE PARTS (NW8803G-1S)	64
27. 押し揚り装置, レギュレーターセット	FOOT LIFTER MECHANISM, REGULATOR SETS	28	64. NW3303GFMM専用部品	NW3303GFMM EXCLUSIVE PARTS	65
28. 配管, 配線図	WIRING AND PIPING	29	65. MM飾りルーパー機構 (1)	SPREADER MECHANISM (1)	66
29. テーブル関係	TABLE	30	66. MM飾りルーパー機構 (2)	SPREADER MECHANISM (2)	67
30. 糸立て及びアクセサリ関係	THREAD STAND AND ACCESSORIES	31	67. MM糸調子機構 (3)	THREAD TENSION MECHANISM (3)	68
31. テープ カッター装置 (エア式)	TAPE CUTTER MECHANISM (PNEUMATIC TYPE)	32	68. ゲージ関係 (NW3303GFMM)	GAUGE PARTS (NW3303GFMM)	69
32. テープ カッター装置 (電気式)	TAPE CUTTER MECHANISM (ELECTRIC TYPE)	33	69. NW8803GEK, EMK-E専用部品	NW8803GEK, EMK-E EXCLUSIVE PARTS	70
33. 配管, 配線図	WIRING AND PIPING	34	70. NW8803GEK, EMK-E前ミス機構	NW8803GEK, EMK-E KNIFE MECHANISM	71
34. チェーンカッター機構	CHAIN CUTTER MECHANISM (CS-1)	35	71. ゲージ関係 (NW8803GEK, EMK-E)	GAUGE PARTS (NW8803GEK, EMK-E)	72
35. NL5803GP専用フレーム関係	MODEL NL5803GP FRAME ASSMBLY	36	72. ゲージパーツ表	GAUGE PARTS LIST	73
36. NL5803GP後プーラー機構 (1)	REAR PULLER MECHANISM (1)	37			
37. NL5803GP後プーラー機構 (2)	REAR PULLER MECHANISM (2)	38			

1. フレーム関係 (1) FRAME ASSEMBLY (1)



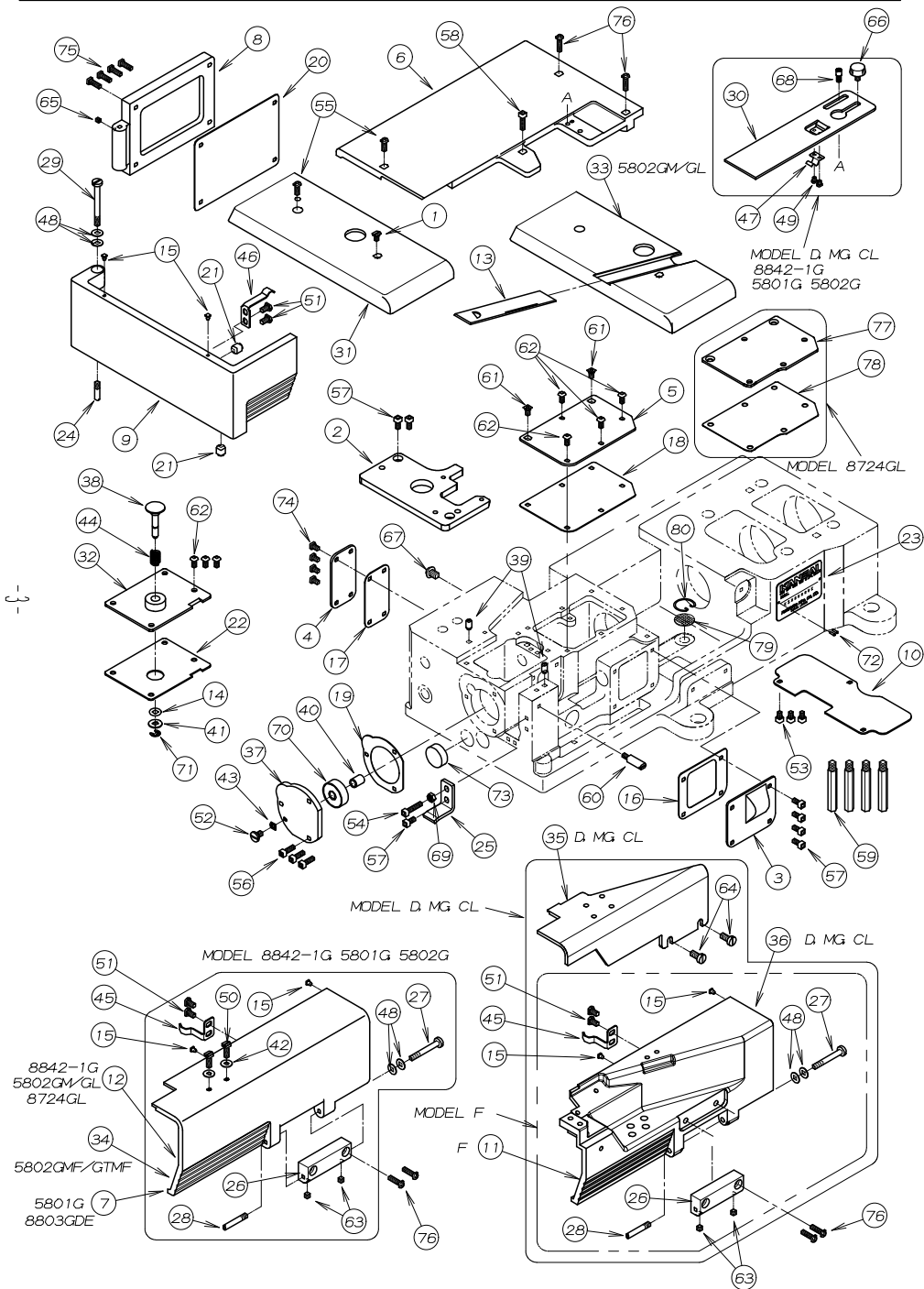
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
01-01	02-119	波座金	WASHER	8
01-02	05-292	ホ°シ°ショナーハ°	BAR	1
01-03	23-041	トップ°カハ°ハ°ッキン	GASKET	1
01-04	23-045	面板ハ°ッキン	GASKET	1
01-05	23-287	O°リング	O RING	1
01-06	23-427	コ°ム栓	PLUG	2
01-07	23-501	コ°ム栓	PLUG	2
01-08	23-504	コ°ム栓	PLUG	1
01-09	23-538	ハ°ッキン	GASKET	1
01-10	24-060	針棒カバーシール	SEAL	1
01-11	87-388	ローレットネジ°	SCREW	1
01-12	24-063	機種プレート (NW)	MODEL PLATE (NW)	1
01-13	27-136	プリーカバー	PULLEY COVER	1
01-14	27-231	天秤カハ°	COVER	1
01-15	27-384	針棒カハ°フ°ラケット	BRACKET	1
01-16	27-234	針棒カハ°	NEEDLE BAR COVER	1
01-17	27-235	針棒カハ°コ°ム	RUBBER	1
01-18	27-237W	トップ°カハ°	TOP COVER	1
01-19	27-238W	面板	HEAD COVER	1
01-20	27-239	アイカ°ト°ヒンジ° (1)	HINGE	1
01-21	27-240	アイカ°ト°ヒンジ° (2)	HINGE	2
01-22	27-241	アイカ°ト°	EYE GUARD	2
01-23	27-323W	後カハ°	REAR COVER	1
01-24	39-235	オイルポット	OIL POT	1
01-25	71-580	ノックピン	PIN	2
01-26	75-452	ワッシャ	WASHER	1
01-27	75-552	ワッシャ	WASHER	2
01-28	87-053	スリワリ付小ネジM6×6L	SCREW M6×6L	6
01-29	87-483	プラマイナベ小ねじ	SCREW	11
01-30	87-477	プラマイナベ小ねじ	SCREW	4
01-31	87-171	六角穴付きボルト	BOLT	2
01-32	87-482	プラマイナベ小ねじ	SCREW	5
01-33	87-489	プラマイナベ小ねじ	SCREW	2
01-34	87-228	六角穴付きボルト	BOLT	4
01-35	87-264	段ネジ°	SCREW	3
01-36	87-437	段ネジ°	SCREW	1
01-37	88-166	ナット	NUT	1
01-38	94-504	シールキャップ°	PLUG	1
01-39	20-0008	針棒カバーセット	NEEDLE BAR COVER ASS'Y	1
01-40	24-071	機種プレート (NL)	MODEL PLATE (NL)	1
01-41	75-441	ワッシャ	WASHER	1
01-42	93-200	ストップ°リンク°	E-RING	1
01-43	27-385	LED用フ°ラケット (A)	BRACKET (A)	1
01-44	27-387	LED用ヒンジ°	HINGE	1
01-45	27-388	アイカ°ト°ヒンジ° (LED)	HINGE	1
01-46	27-389	LEDライト	LED LIGHT	1
01-47	20-6165	LED用ブラケットセット	LED BRACKET SET	1
01-48	87-066	段ネジ°	SCREW	1
01-49	88-147	六角ナット	NUT	1

2. フレーム関係 (2-1) FRAME ASSEMBLY (2-1)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
02-01	05-074	ネジ	SCREW	1
02-02	14-147	針板土台	NEEDLE PLATE SUPPORT BRACKET	1
02-03	21-648	カバー	COVER	1
02-04	21-649	カバー	COVER	1
02-05	21-650	ハットカバー (右)	BED COVER	1
02-06	21-660W	上ハースカバー	UPPER COVER	1
02-07	21-664W	前カバー	FRONT COVER	1
02-08	21-665W	後カバー	REAR COVER	1
02-09	21-666W	横カバー	SIDE COVER	1
02-10	21-667	防塵プレート	COVER	1
02-11	21-821W	前カバー	FRONT COVER	1
02-12	21-833W	前カバー	FRONT COVER	1
02-13	21-835	差板	SLIDE COVER	1
02-14	23-183	Oリング	O-RING	1
02-15	23-512	クッションゴム	CUSHION RUBBER	6
02-16	23-516	ハッキン	GASKET	1
02-17	23-517	ハッキン	GASKET	1
02-18	23-518	ハッキン	GASKET	1
02-19	23-521	ハッキン	GASKET	1
02-20	23-525	ハッキン	GASKET	1
02-21	23-526	コング	PLUG	2
02-22	23-575	上油カバーハッキン左	CRANK CHAMBER COVER GASKET	1
02-23	24-053	モデルステッカー	TYPE PLATE	1
02-24	25-503	カバーヒンジネジ	SCREW	1
02-25	25-505	横カバー受け	SIDE COVER HOLDER	1
02-26	25-516W	定規台ヒンジ	HINGE	2
02-27	25-517	ヒンジネジ	SCREW	2
02-28	25-527	カバーヒンジネジ	SCREW	2
02-29	25-903	カバーヒンジネジ	SCREW	1
02-30	27-167	前ベースカバー	FRONT BASE COVER	1
02-31	27-335W	サイド上ハースカバー	SIDE COVER	1
02-32	27-337	上油カバー (左)	CRANK CHAMBER COVER	1
02-33	27-356W	サイド上ハースカバー	SIDE COVER	1
02-34	27-541W	前カバー	FRONT COVER	1
02-35	27-542W	D用前カバー	FRONT COVER	1
02-36	27-546W	前カバー	FRONT COVER	1
02-37	69-526	ハウジング	HOUSING	1
02-38	69-560	プッシュボタン	PUSH BOTTON	1
02-39	71-579	ロックピン	PIN	2
02-40	75-077	ハアリング用カラー	COLLAR	1
02-41	75-453	ワッシャ	WASHER	1
02-42	75-455	ワッシャ	WASHER	2
02-43	75-468	ワッシャ	WASHER	1
02-44	79-528	ハネ	SPRING	1
02-45	79-530	前カバー止めハネ	SPRING	2
02-46	79-531	横カバー止めハネ	SPRING	1
02-47	79-801	ハネ	SPRING	1
02-48	79-922	皿ハネ	SPRING	6
02-49	84-167	ネジ	SCREW	2
02-50	84-566	ネジ	SCREW	2
02-51	84-574	ネジ	SCREW	6
02-52	84-581	段ネジ	SCREW	1
02-53	87-092	六角穴付きボルト	BOLT	3
02-54	87-112	六角穴付きボルト	BOLT	1
02-55	87-483	プラマイナベ小ねじ	SCREW	2
02-56	87-129	六角穴付きボルト	BOLT	3

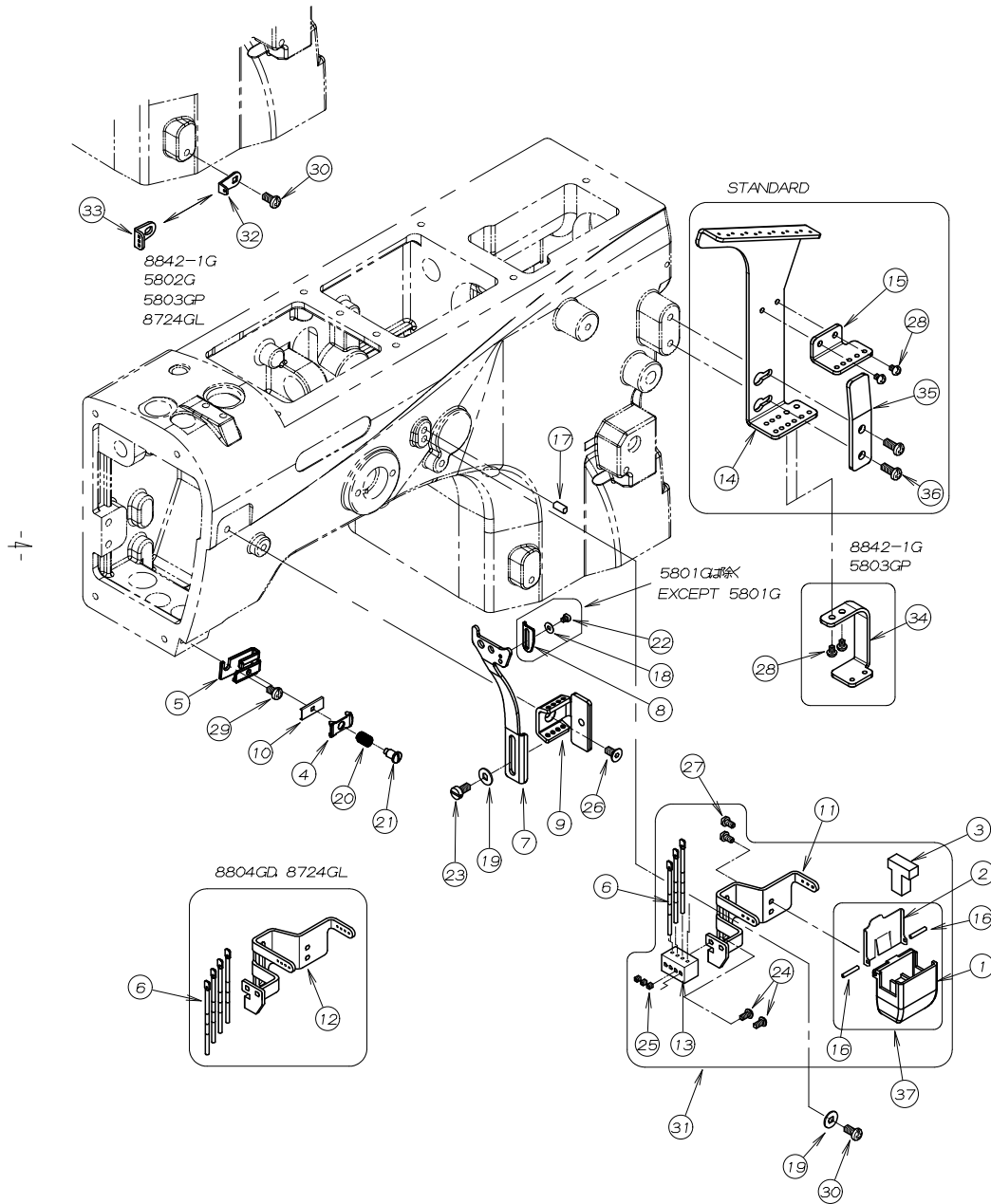
2. フレーム関係 (2-2) FRAME ASSEMBLY (2-2)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
02-57	87-177	六角穴付きボルト	BOLT	7
02-58	87-214	六角穴付きボルト	BOLT	1
02-59	87-239	スタント・ヒール	PIN	4
02-60	87-268	カハーストップネジ	SCREW	1
02-61	87-269	ネジ	SCREW	2
02-62	87-272	ネジ	SCREW	7
02-63	87-274	ネジ	SCREW	4
02-64	87-278	ネジ	SCREW	2
02-65	87-286	ネジ	SCREW	1
02-66	87-292	調節ネジ	SCREW	1
02-67	87-400	六角穴付きボタンボルト	BOLT	1
02-68	87-459	段ネジ	SCREW	1
02-69	88-146	ナット	NUT	1
02-70	91-885	ベアリング	BEARING	1
02-71	93-205	Eリング	E-RING	1
02-72	93-701	ヒール	PIN	2
02-73	94-506	オイルシール	OIL SEAL	1
02-74	87-481	プラマイナベ小ねじ	SCREW	4
02-75	87-484	プラマイナベ小ねじ	SCREW	4
02-76	87-485	プラマイナベ小ねじ	SCREW	6
02-77	27-549	ベッドカバー	BED COVER	1
02-78	23-577	ベッドカバーパッキン	BED COVER GASKET	1
02-79	31-503	濾過網	OIL FILTER SCREEN	1
02-80	39-503	濾過網押え	CLAMP	1

3. 糸調子機構

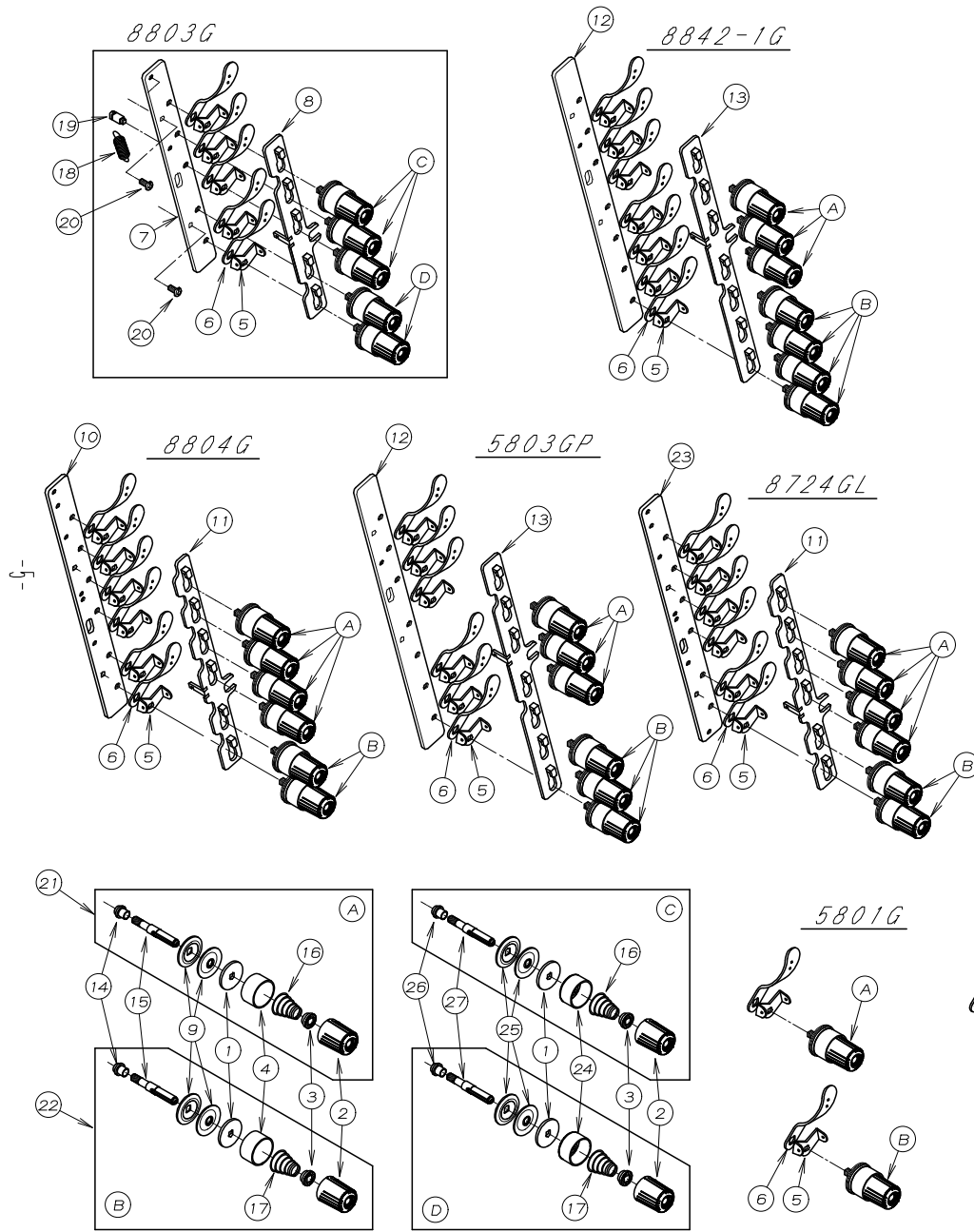
THREAD TENSION MECHANISM



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
03-01	27-039	シリコンタンク	SILICONE OIL RESERVOIR	1
03-02	27-533	シリコンタンクフタ	COVER	1
03-03	27-534	フェルト	FELT	1
03-04	41-021	カメ糸道	THREAD NIPPER	1
03-05	41-022	小調子台	THREAD GUIDE BRACKET	1
03-06	45-031	糸道	THREAD EYELET	7
03-07	45-033	上糸捌き	THREAD GUIDE	1
03-08	45-034	補助上糸捌き	THREAD GUIDE	1
03-09	45-045	上糸カ"イト"	GUIDE	1
03-10	45-508	針株小調子板	PLATE	1
03-11	45-541	シリコンタンク糸道	THREAD EYELET	1
03-12	45-551	シリコンタンク糸道	THREAD EYELET	1
03-13	45-553	ホルダ"	HOLDER	1
03-14	45-567	糸ガイド"	THREAD GUIDE	1
03-15	45-568	糸ガイド糸道	THREAD EYELET	1
03-16	71-202	シリコンタンク用ピン	SILICONE PIN	2
03-17	71-209	平行ピン	PIN	1
03-18	75-441	ワッシャ	WASHER	1
03-19	75-455	ワッシャ	WASHER	2
03-20	79-025	カメ糸道バネ	SPRING	1
03-21	84-021	ハ"ネカ"イト"ネジ"	SCREW	1
03-22	87-093	ネジ"	SCREW	1
03-23	87-096	ネジ"	SCREW	1
03-24	87-099	ネジ"	SCREW	2
03-25	87-104	ネジ"	SCREW	3
03-26	87-269	ネジ"	SCREW	1
03-27	87-372	タッピングネジ	SCREW	2
03-28	87-476	プラマイナベ小ねじ	SCREW	2~4
03-29	87-481	プラマイナベ小ねじ	SCREW	1
03-30	87-482	プラマイナベ小ねじ	SCREW	2
03-31	40-5230-3	シリコンタンク糸道セット	THREAD EYELET ASS'Y	1
03-32	43-519	糸道	THREAD EYELET	1
03-33	47-803	ルーハ"糸道	THREAD EYELET	1
03-34	45-569	糸ガイド糸道	THREAD EYELET	1
03-35	45-528	補助金具	SUPPORT PLATE	1
03-36	87-483	プラマイナベ小ねじ	SCREW	2
03-37	20-5360	シリコンタンクセット	SILICONE RESERVOIR ASS'Y	1

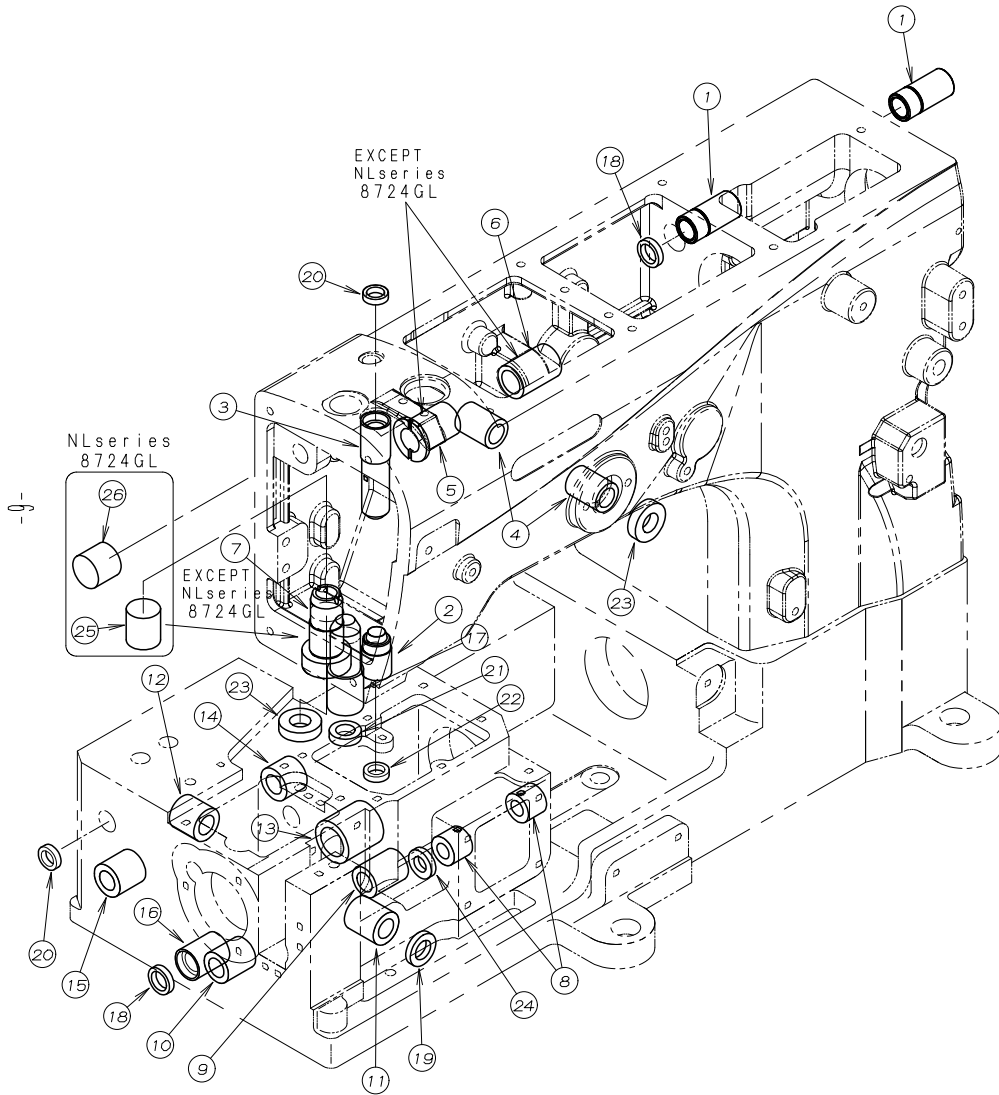
4. 糸調子機構 (UT除外)

THREAD TENSION MECHANISM (WITHOUT UT)



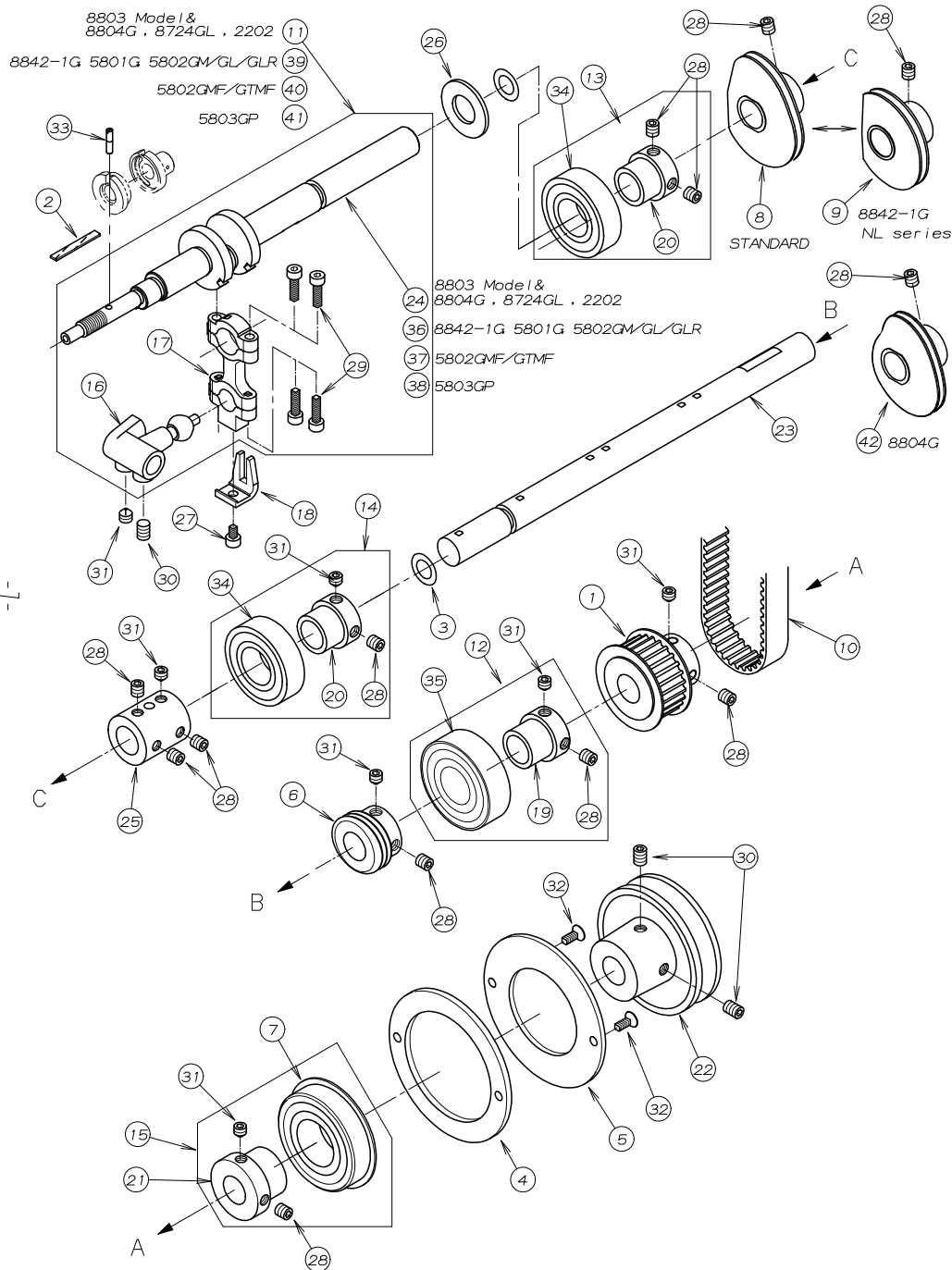
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
04-01	23-324	フェルト	FELT	*
04-02	41-104	チャンホン皿小ケース	THREAD TENSION NUT	*
04-03	41-105	チャンボン皿ラチェット	SPRING POST	*
04-04	41-106	チャンホン皿大ケース	SPRING CUP	*
04-05	41-115	糸道 (上)	THREAD GUIDE	*
04-06	41-117	糸道 (下)	THREAD GUIDE	*
04-07	41-501	ブラケット	BRACKET	1
04-08	41-502	糸緩めプレート	THREAD RELEASER	1
04-09	41-509	チャンボン皿	TENSION DISC	*
04-10	41-518	フ ラケット	BRACKET	1
04-11	41-519	糸緩めフ レート	THREAD RELEASER	1
04-12	41-520	ブラケット	BRACKET	1
04-13	41-521	糸緩めプレート	THREAD RELEASER	1
04-14	41-526	調子棒カラー	COLLAR	*
04-15	41-527	調子棒	SCREW STUD	*
04-16	41-701	チャンボン調子バネ (強)	SPRING (HEAVY)	1
04-17	41-702	チャンボン調子バネ (弱)	SPRING (LIGHT)	1
04-18	79-514	引張りバネ	SPRING	1
04-19	84-501	ネジ	SCREW	1
04-20	87-482	プラマイナベ小ねじ	SCREW	2
04-21	40-7510	チャンボンセット (強)	THREAD TENSION SET (HEAVE)	*
04-22	40-7520	チャンボンセット (弱)	THREAD TENSION SET (LIGHT)	*
04-23	41-525	ブラケット	BRACKET	1
04-24	41-108	チャンホン皿大ケース	SPRING CUP	*
04-25	41-528	チャンボン皿	TENSION DISC	*
04-26	41-531	調子棒カラー	COLLAR	*
04-27	41-532	調子棒	SCREW STUD	*

5. ブッシュ機構 BUSHING



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
05-01	81-023	押工揚カ' 運動シャフトフ' ッシュ	BUSHING	2
05-02	81-047	針棒フ' ッシュ (下)	BUSHING	1
05-03	81-048	針棒フ' ッシュ (上)	BUSHING	1
05-04	81-506	ブッシュ	BUSHING	2
05-05	81-507	ブッシュ	BUSHING	1
05-06	81-508	ブッシュ	BUSHING	1
05-07	81-587	断り糸ル-ハ° -棒フ' ッシュ	BUSHING	1
05-08	81-522	ブッシュ	BUSHING	2
05-09	81-523	ブッシュ	BUSHING	1
05-10	81-524	ブッシュ	BUSHING	1
05-11	81-525	ブッシュ	BUSHING	1
05-12	81-526	ブッシュ	BUSHING	1
05-13	81-527	ブッシュ	BUSHING	1
05-14	81-528	ブッシュ	BUSHING	1
05-15	81-529	ブッシュ	BUSHING	1
05-16	81-530	ブッシュ	BUSHING	1
05-17	81-547	ブッシュ	BUSHING	1
05-18	94-102	オイルシール	OIL SEAL	2
05-19	94-222	オイルシール	OIL SEAL	1
05-20	94-231	オイルシール	OIL SEAL	2
05-21	94-503	オイルシール	OIL SEAL	1
05-22	94-511	オイルシール	OIL SEAL	1
05-23	94-804	オイルシール	OIL SEAL	2
05-24	94-805	オイルシール	OIL SEAL	1
05-25	25-506	詰栓	SEAL PLUG	1
05-26	25-507	詰栓	SEAL PLUG	1

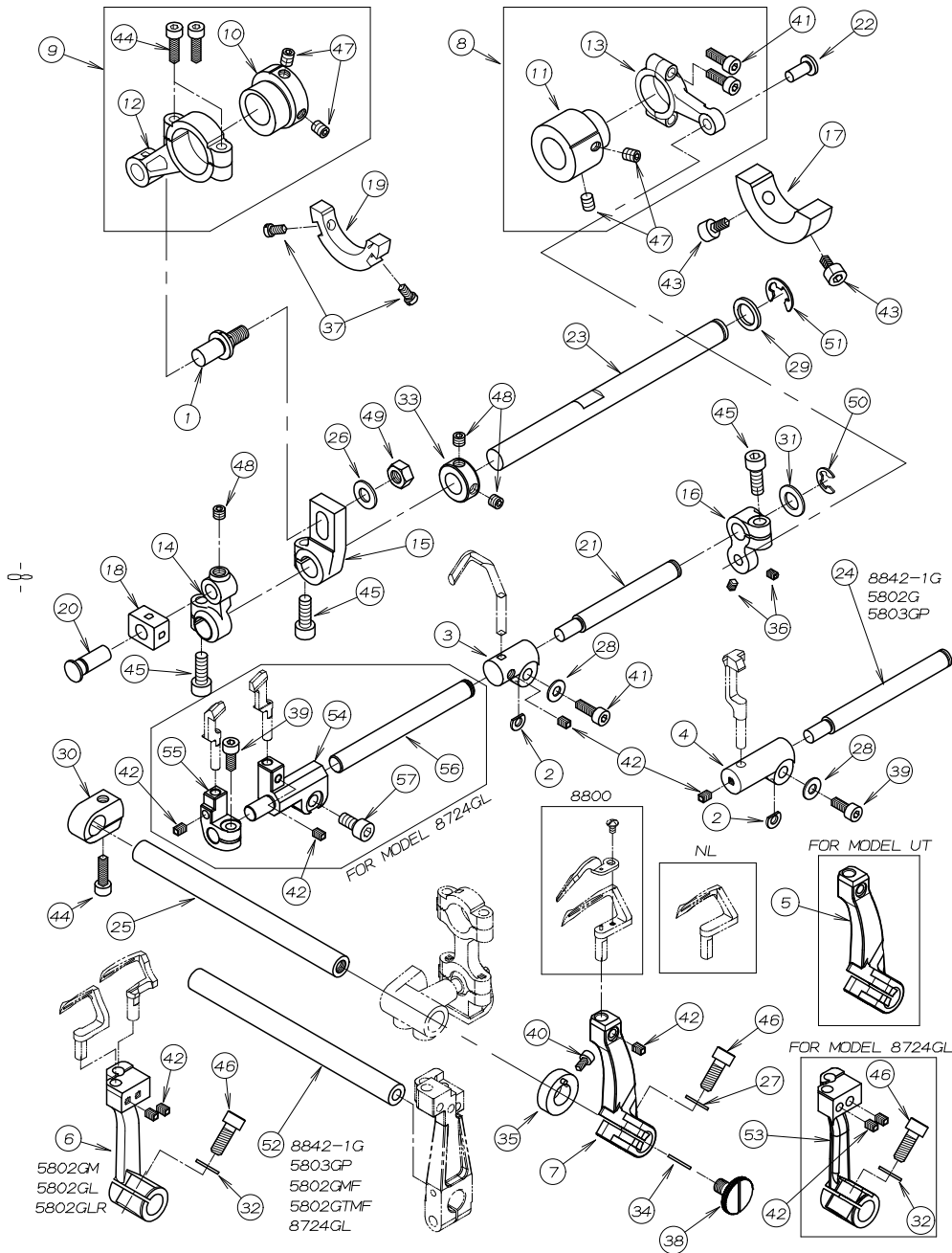
6. 下軸機構 CRANKSHAFT MECHANISM



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
06-01	06-239	タイミングプーリー (下)	TIMING PULLEY	1
06-02	23-341	フェルト	FELT	1
06-03	23-527	O-リング	O-RING	2
06-04	25-519	ベアリング止め板 (A)	SET PLATE (A)	1
06-05	25-520	ベアリング止め板 (B)	SET PLATE (B)	1
06-06	31-540	ポンプ駆動ギア	PUMP DRIVING WARM	1
06-07	34-826	ホ-ールハ-アリング	BEARING	1
06-08	49-506	ハマク-リ	LOOPER THREAD TAKE-UP	1
06-09	49-507	ハマク-リ	LOOPER THREAD TAKE-UP	1
06-10	58-007	タイミングベルト	TIMING BELT	1
06-11	60-5170	ルーハ-ークランクロッド-セット	LOOPER CRANK ASS'Y	1
06-12	60-8510	ベアリングセット	BEARING ASS'Y	1
06-13	60-8520	ベアリングセット	BEARING ASS'Y	1
06-14	60-8530	ベアリングセット	BEARING ASS'Y	1
06-15	60-8540	ベアリングセット	BEARING ASS'Y	1
06-16	61-510	ルーハ-振り玉	DRIVE BALL	1
06-17	63-507	ルーハ-振りロッド	CONNECTING ROD	1
06-18	69-513	振れ止め	GUIDE	1
06-19	69-544	ベアリングスリーブ	BEARING SLEEVE	1
06-20	69-548	スリーブ	SLEEVE	2
06-21	69-549	スリーブ	SLEEVE	1
06-22	69-552	Vプーリー	V-PULLEY	1
06-23	71-573	下軸 (右)	SHAFT	1
06-24	71-838	下軸クランク (7)	CRANK SHAFT (7)	1
06-25	75-271	下軸ジョイント	JOINT COLLAR	1
06-26	75-502	ワッシャ	WASHER	1
06-27	87-092	六角穴付きボルト	BOLT	1
06-28	87-172	ネジ	SCREW	13
06-29	87-214	六角穴付きボルト	BOLT	4
06-30	87-242	ネジ	SCREW	3
06-31	87-259	ネジ	SCREW	7
06-32	87-270	ネジ	SCREW	2
06-33	87-384	回り止めネジ	SCREW	1
06-34	91-883	ハ-アリング	BEARING	2
06-35	91-994	ハ-アリング	BEARING	1
06-36	71-839	下軸クランク (4. 5)	CRANK SHAFT (4. 5)	1
06-37	71-840	下軸クランク (5)	CRANK SHAFT (5)	1
06-38	71-843	下軸クランク (5)	CRANK SHAFT (5)	1
06-39	60-5171	ルーハ-ークランクロッド-セット	LOOPER CRANK ASS'Y	1
06-40	60-5172	ルーハ-ークランクロッド-セット	LOOPER CRANK ASS'Y	1
06-41	60-5173	ルーハ-ークランクロッド-セット	LOOPER CRANK ASS'Y	1
06-42	49-508	ハマク-リ	LOOPER THREAD TAKE-UP	1

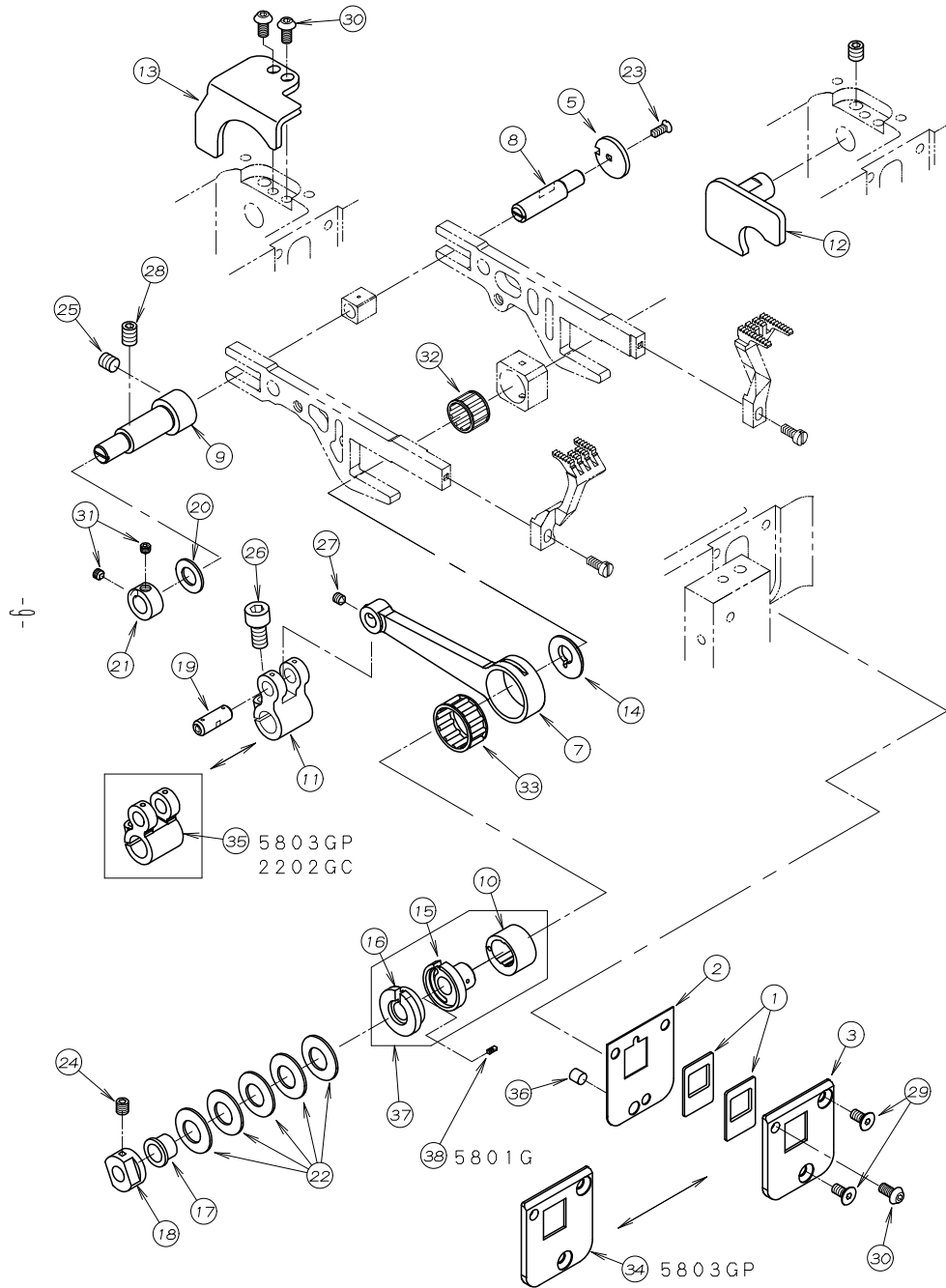
7. ルーパー機構、針受機構

LOOPER MECHANISM, NEEDLE GUARD MECHANISM



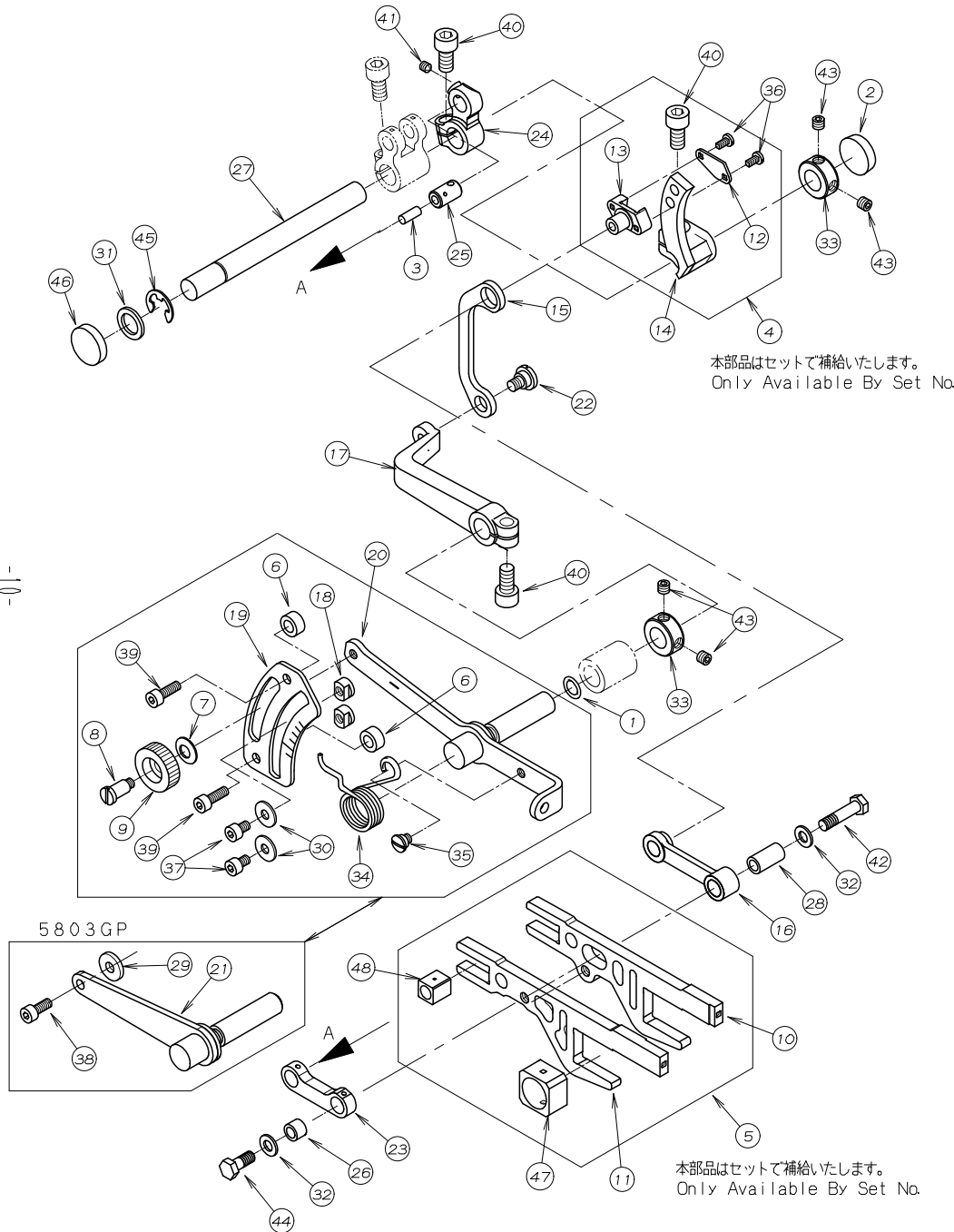
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
07-01	04-509	ピン	PIN	1
07-02	06-375	スハ-サー	WASHER	2
07-03	18-807	針受取り付け台	BRACKET	1
07-04	18-809	針受取付台	NEEDLE GUARD BASE	1
07-05	19-565	ル-ハ-台	LOOPER HOLDER	1
07-06	19-532	ル-ハ-台 (1/4)	LOOPER HOLDER	1
07-07	19-567	ル-ハ-台	LOOPER HOLDER	1
07-08	60-5030	針受ロッド*セット	NEEDLE GUARD CONNECTING ROD ASS'Y	1
07-09	60-5040	前後ロッド*セット	CONNECTING ROD ASS'Y	1
07-10	61-523	前後エキセン	ECCENTRIC	1
07-11	61-524	針受けエキセン	ECCENTRIC	1
07-12	63-506	前後ロッド	CONNECTING ROD	1
07-13	63-508	針受ロッド	CONNECTING ROD	1
07-14	67-506	前後振りレハ-	LOOPER DRIVING LEVER	1
07-15	67-507	前後調節レハ-	LEVER	1
07-16	67-508	針受け軸レハ-	LEVER NEEDLE GUARD	1
07-17	69-507	針糸捌きハ-ランス	MOTION	1
07-18	69-521	前後振り角駒	LOOPER SLIDE BLOCK	1
07-19	69-522	ハ-ランスウェイト	BALANCE WEIGHT	1
07-20	71-569	角コ*マヒ-ン	PIN	1
07-21	71-571	針受け軸	NEEDLE GUARD SHAFT	1
07-22	71-572	針受けロッド*ピ-ン	PIN	1
07-23	71-574	前後軸	LOOPER ROCKER SHAFT	1
07-24	71-659	針受け軸	SHAFT NEEDLE GUARD	1
07-25	71-680	ル-ハ-軸	LOOPER SHAFT	1
07-26	75-452	ワッシャ	WASHER	1
07-27	75-453	ワッシャ	WASHER	1
07-28	75-455	ワッシャ	WASHER	2
07-29	75-504	ワッシャ	WASHER	1
07-30	75-518	締めカラー	COLLAR	1
07-31	75-519	ワッシャ	WASHER	1
07-32	75-526	スフ*リンク*ワッシャ	SPRING WASHER	2
07-33	75-537	カラー	COLLAR	1
07-34	75-541	スハ-スワッシャ	WASHER	1
07-35	75-557	位置決めカラー	COLLAR	1
07-36	84-314	ネジ	SCREW	2
07-37	84-362	ネジ	SCREW	2
07-38	87-040	調節ネジ	ADJUST SCREW	1
07-39	87-113	六角穴付きボルト	BOLT	2
07-40	87-123	六角穴付きボルト	BOLT	1
07-41	87-129	六角穴付きボルト	BOLT	3
07-42	87-181	ネジ	SCREW	9
07-43	87-024	六角穴付きボルト	BOLT	2
07-44	87-214	六角穴付きボルト	BOLT	3
07-45	87-224	六角穴付きボルト	BOLT	3
07-46	87-245	六角穴付きボルト	BOLT	3
07-47	87-254	ネジ	SCREW	4
07-48	87-274	ネジ	SCREW	3
07-49	88-166	ナット	NUT	1
07-50	93-213	E型止め輪	E-RING	1
07-51	93-222	Eリング	E-RING	1
07-52	71-575	ル-ハ-軸	LOOPER SHAFT	1
07-53	19-798	ル-ハ-台	LOOPER HOLDER	1
07-54	18-795	右針針受後取付台	NEEDLE GUARD BASE (RIGHT)	1
07-55	18-796	左針針受後取付台	NEEDLE GUARD BASE (LEFT)	1
07-56	71-832	針受け軸	NEEDLE GUARD SHAFT	1
07-57	87-213	六角穴付きボルト	BOLT	1

8. 送り機構 (1) FEED MECHANISM (1)



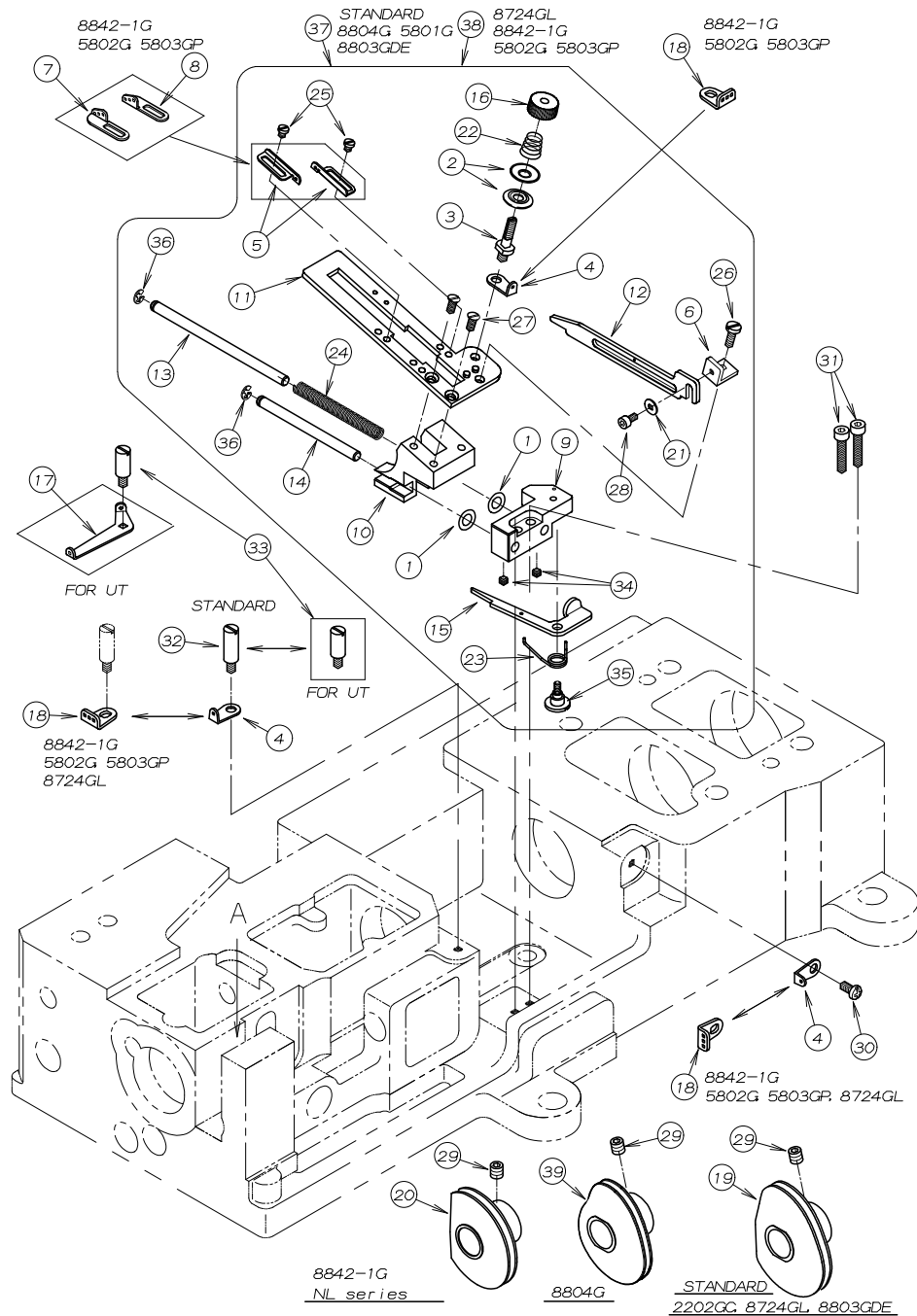
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
08-01	23-520	送り土台シールド	FEED BAR SHIELD	2
08-02	27-324	送り土台シールドプレート	FEED BAR SHIELD PLATE	1
08-03	27-325	送り土台シールドカバー	FEED BAR SHIELD COVER	1
08-04				
08-05	51-833	調節ワッシャ	WASHER	1
08-06				
08-07	51-879	主送り連結リンク	CONNECTING LINK	1
08-08	51-881	調節エキセンピン	ECCENTRIC PIN	1
08-09	51-882	エキセンピンワッシャ	BUSHING	1
08-10	61-537	エキセン玉 (小)	ECCENTRIC (SMALL)	1
08-11	63-509	主送り連結レバー	LEVER	1
08-12	69-524	送り土台スラストプレート (右)	GUIDE PLATE (RIGHT)	1
08-13	69-525	送り土台スラストプレート (左)	GUIDE PLATE (LEFT)	1
08-14	69-555	スペーサー	WASHER	1
08-15	69-556	送りエキセン	FEED ECCENTRIC	1
08-16	69-557	送りエキセン台	FEED ECCENTRIC BRACKET	1
08-17	69-558	カラー	COLLAR	1
08-18	69-559	ナット	NUT	1
08-19	71-431	ピン	PIN	1
08-20	75-542	ワッシャ	WASHER	1
08-21	75-561	カラー	COLLAR	1
08-22	79-928	皿バネ	SPRING	5
08-23	84-192	ネジ	SCREW	1
08-24	87-058	六角穴付止めネジM5x5L	SCREW M5x5L	1
08-25	87-172	ネジ	SCREW	2
08-26	87-225	六角穴付きボルト	BOLT	1
08-27	87-233	ネジ	SCREW	1
08-28	87-242	ネジ	SCREW	1
08-29	87-269	ネジ	SCREW	2
08-30	87-272	ネジ	SCREW	3
08-31	87-322	ネジ	SCREW	2
08-32	91-414	ニードルベアリング	NEEDLE BEARING	1
08-33	91-418	ニードルゲージ	NEEDLE GAUGE	1
08-34	27-357	送り土台シールドカバー	FEED BAR SHIELD COVER	1
08-35	63-520	主送り連結レバー	LEVER	1
08-36	23-548	フェルト	FELT	1
08-37	60-5180	送りエキセンセット	FEED ECCENTRIC ASS'Y	1
08-38	87-446	段ネジ	SCREW	1

9. 送り機構 (2) FEED MECHANISM (2)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
09-01	23-188	Oリング	O-RING	1
09-02	23-519	コ [△] 栓	PLUG	1
09-03	23-567	フェルト	FELT	1
09-04	50-5060	差動調節レバ [△] -セット	DIFFERENTIAL CONTROL LEVER SET	1
09-05	50-8280-1	送り土台組	FEED BAR ASS'Y	1
09-06	51-805	スハ [△] -スカラー	COLLAR	2
09-07	51-806	皿ハ [△] -ネ	SPRING	1
09-08	51-807	段ネジ [△]	SCREW	1
09-09	51-808	ナット	NUT	1
09-10	51-829	主送り土台	MAIN FEED BRACKET	1
09-11	51-830	差動送り土台	DIFFERENTIAL FEED BRACKET	1
09-12	51-838	スラストカハ [△] -	THRUST COVER	1
09-13	51-839	差動調節スライダ [△]	FEED DOG ADJUST SLIDER	1
09-14	51-840	差動調節レバ [△] -	DIFFERENTIAL FEED CONTROL LEVER	1
09-15	51-841	差動調節リンク	DIFFERENTIAL REGULATING LINK	1
09-16	51-842	差動送り連結リンク	DIFFERENTIAL FEED CONNECTING LINK	1
09-17	51-843	差動連結レバ [△] -	DIFFERENTIAL CONNECTING LEVER	1
09-18	51-846	ストップハ [△] -	STOPPER	2
09-19	51-847	差動目盛板	DIFFERENTIAL FEED GRADUATION	1
09-20	51-867	差動レバ [△] -軸	SHAFT	1
09-21	51-869	差動固定レバ [△] -軸	SHAFT	1
09-22	51-877	差動連結ピ [△] -ン	DIFFERENTIAL CONNECTING PIN	1
09-23	51-880	主送り台リンク	LINK	1
09-24	63-519	主送り台レバ [△] -	LEVER	1
09-25	71-288	リンクピ [△] -ン	PIN	1
09-26	71-289	主送り連結ピ [△] -ン	PIN	1
09-27	71-576	送り土台シャフト	FEED BAR DRIVING SHAFT	1
09-28	71-578	差動送り連結ピ [△] -ン	DIFFERENTIAL FEED CONNECTING PIN	1
09-29	75-456	ワッシャ	WASHER	1
09-30	75-467	ワッシャ	WASHER	2
09-31	75-504	ワッシャ	WASHER	1
09-32	75-520	ワッシャ	WASHER	2
09-33	75-537	カラー	COLLAR	2
09-34	79-529	巻ハ [△] -ネ	SPRING	1
09-35	84-585	段ネジ [△]	SCREW	1
09-36	87-090	ネジ [△]	SCREW	2
09-37	87-092	六角穴付きボルト	BOLT	2
09-38	87-113	六角穴付きボルト	BOLT	1
09-39	87-129	六角穴付きボルト	BOLT	2
09-40	87-225	六角穴付きボルト	BOLT	3
09-41	87-233	ネジ [△]	SCREW	1
09-42	87-237	ネジ [△]	SCREW	1
09-43	87-274	ネジ [△]	SCREW	4
09-44	87-355	ネジ [△]	SCREW	1
09-45	93-222	Eリング	E-RING	1
09-46	94-403	盲オイルシール	OIL SEAL	1
09-47	51-832	送り上下角コ [△] -マ	FEED BAR BLOCK	1
09-48	51-835	角コ [△] -マ(後)	BLOCK	1

10. 下糸捌き機構 LOOPER THREAD MECHANISM



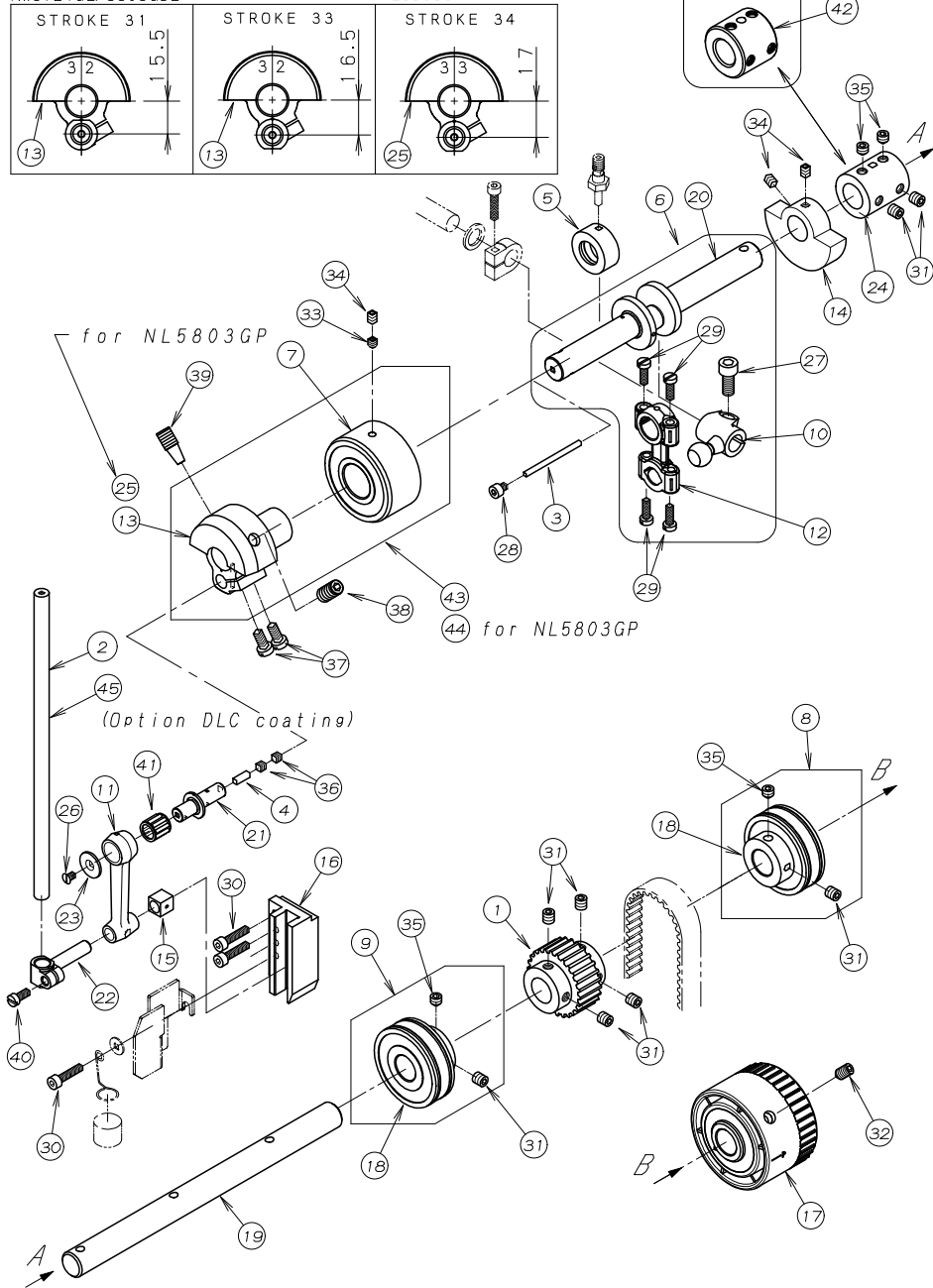
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
10-01	23-183	O-リング	O-RING	2
10-02	41-155	チャンホ°ン皿	DISC	2
10-03	41-504	調子棒	TENSION POST	1
10-04	43-519	糸道	THREAD EYELET	3
10-05	43-521	糸道	THREAD EYELET	2
10-06	43-548	糸案内取付台	HOLDER	1
10-07	43-549	ルーハ°-糸道 (左)	THREAD EYELET	1
10-08	43-550	ルーハ°-糸道 (右)	THREAD EYELET	1
10-09	43-561	下糸捌き土台	BRACKET	1
10-10	43-577	下糸捌きスライド°土台	SLIDE BRACKET	1
10-11	43-563	下糸捌き板	SUPPORT BRACKET	1
10-12	43-564	糸案内フ°レート	THREAD GUIDE PLATE	1
10-13	43-578	丸棒カ°イト° (長)	GUIDE BAR (L)	1
10-14	43-579	丸棒カ°イト° (短)	GUIDE BAR (S)	1
10-15	43-579	ストップ°レハ°	LEVER	1
10-16	43-568	小チャンホ°ンナット	NUT	1
10-17	45-513	小調子台糸道	THREAD GUIDE	1
10-18	47-803	ルーハ°-糸道	THREAD EYELET	3
10-19	49-506	ハマク°リ	LOOPER THREAD TAKE-UP	1
10-20	49-507	ハマク°リ	LOOPER THREAD TAKE-UP	1
10-21	75-224	ワッシャ	WASHER	1
10-22	79-534	ハ°ネ	SPRING	1
10-23	79-564	レハ°ハ°ネ	SPRING	1
10-24	79-565	押しハ°ネ	SPRING	1
10-25	84-167	ネジ°	SCREW	2
10-26	84-363	ネジ°	SCREW	1
10-27	84-462	ネジ°	SCREW	2
10-28	87-123	六角穴付きボルト	BOLT	1
10-29	87-172	ネジ°	SCREW	3
10-30	87-482	プラマイナベ小ねじ	SCREW	1
10-31	87-230	六角穴付きボルト	BOLT	2
10-32	87-268	カハ°-ストップ°ネジ°	SCREW	1
10-33	87-310	カハ°-ストップ°ネジ°	SCREW	1
10-34	87-322	ネジ°	SCREW	2
10-35	87-334	レハ°-止めネジ°	SCREW	1
10-36	93-201	Eリング	E-RING	2
10-37	40-5490	下糸捌きセット	LOOPER THREAD EYELET ASS'Y	1
10-38	40-5620	下糸捌きセット	LOOPER THREAD EYELET ASS'Y	1
10-39	49-508	ハマク°リ	LOOPER THREAD TAKE-UP	1

11. 針棒上軸機構 NEEDLE BAR MECHANISM

NW STANDARD
8842-1G, 8804G
NL5801G, 5802G
NW8724GL, 8803GDE

NW8803GMG-SA
NL5802GLR

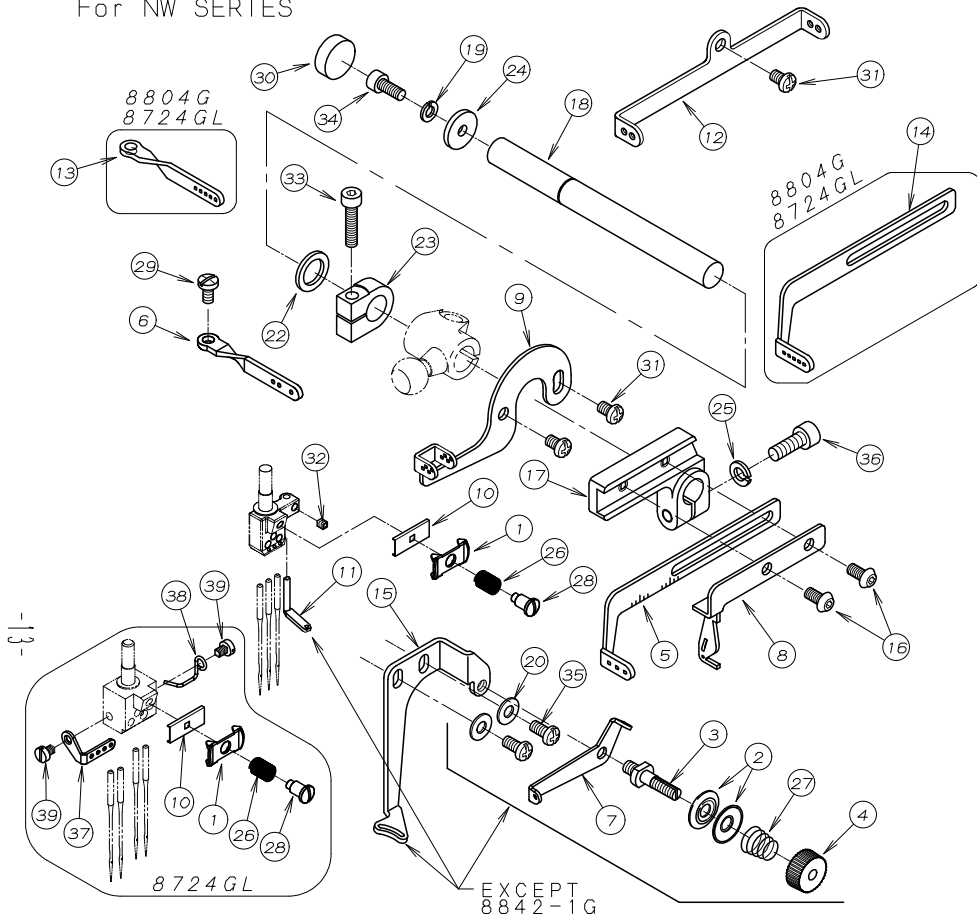
NL5803GP



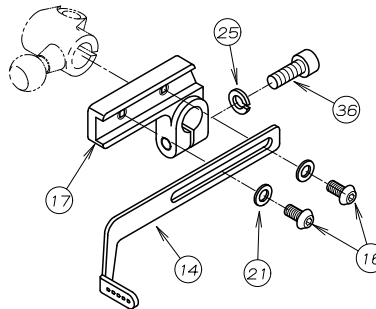
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
11-01	06-238	タイミングプーリー (上)	TIMING PULLEY	1
11-02	11-412	針棒	NEEDLE BAR	1
11-03	23-063	フェルト	FELT	1
11-04	23-567	フェルト	FELT	1
11-05	35-559	オイルスリーブ*	OIL SLEEVE	1
11-06	60-5160	上軸左系捌きロッド* セット	CONNECTING ROD ASS'Y	1
11-07	91-913	ベアリング	BEARING	1
11-08	60-8500-K	ベアリングセット	BEARING ASS'Y	1
11-09	60-8510-K	ベアリングセット	BEARING ASS'Y	1
11-10	61-745	針系捌きロッド玉	ECCENTRIC	1
11-11	63-427	針棒リンク	LINK	1
11-12	63-518	針系捌きロッド	CONNECTING ROD	1
11-13	66-523	針棒クランク (32)	NEEDLE CRANK ASS'Y	1
11-14	69-142	クランクモーション	BALANCE WEIGHT	1
11-15	69-532	角コ マ	BLOCK	1
11-16	69-533	針棒カ イト*	GUIDE	1
11-17	69-545	ハント フ ーリー	HAND WHEEL	1
11-18	91-914	ベアリング	BEARING	2
11-19	71-830	上軸 (右)	UPPER SHAFT (RIGHT)	1
11-20	71-836	上軸 (左)	UPPER SHAFT (LEFT)	1
11-21	71-837	針棒リンクピ ン (0.5)	LINK PIN	1
11-22	73-504	針棒抱き	NEEDLE BAR BRACKET	1
11-23	75-004	針棒リンクエンド* フ レート	WASHER	1
11-24	75-271	シ ョイント	JOINT COLLAR	1
11-25	66-525	針棒クランク (33)	NEEDLE CRANK ASS'Y	1
11-26	84-463	ネジ*	SCREW	1
11-27	87-057	六角穴付ボルトM6x14L	SCREW M6x14L	1
11-28	87-067	六角穴付きボルト	BOLT	1
11-29	87-097	ネジ*	SCREW	4
11-30	87-112	六角穴付きボルト	BOLT	3
11-31	87-172	ネジ*	SCREW	8
11-32	87-241	ネジ*	SCREW	1
11-33	87-253	ネジ*	SCREW	1
11-34	87-254	ネジ*	SCREW	3
11-35	87-259	ネジ*	SCREW	4
11-36	87-274	ネジ*	SCREW	2
11-37	87-278	ネジ*	SCREW	2
11-38	87-368	ネジ	SCREW	1
11-39	87-369	ネジ	SCREW	1
11-40	87-520	ネジ	SCREW	1
11-41	91-264	ニ ー ト ルハ ー アリング*	BEARING	1
11-42	75-273	上軸ジョイント	UPPER SHAFT JOINT	1
11-43	60-8492	ベアリングセット 函	BEARING ASS'Y	1
11-44	60-8493	ベアリングセット 函	BEARING ASS'Y	1
11-45	11-409	針棒	NEEDLE BAR	1

12. 上糸捌き機構 NEEDLE THREAD MECHANISM

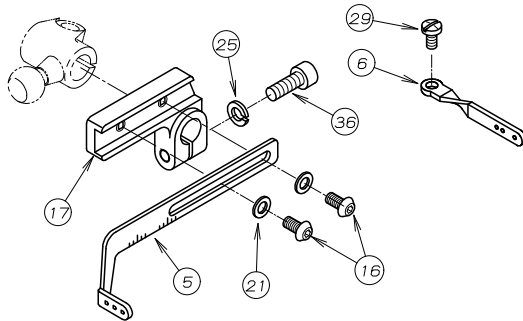
For NW SERIES



For 8724GL

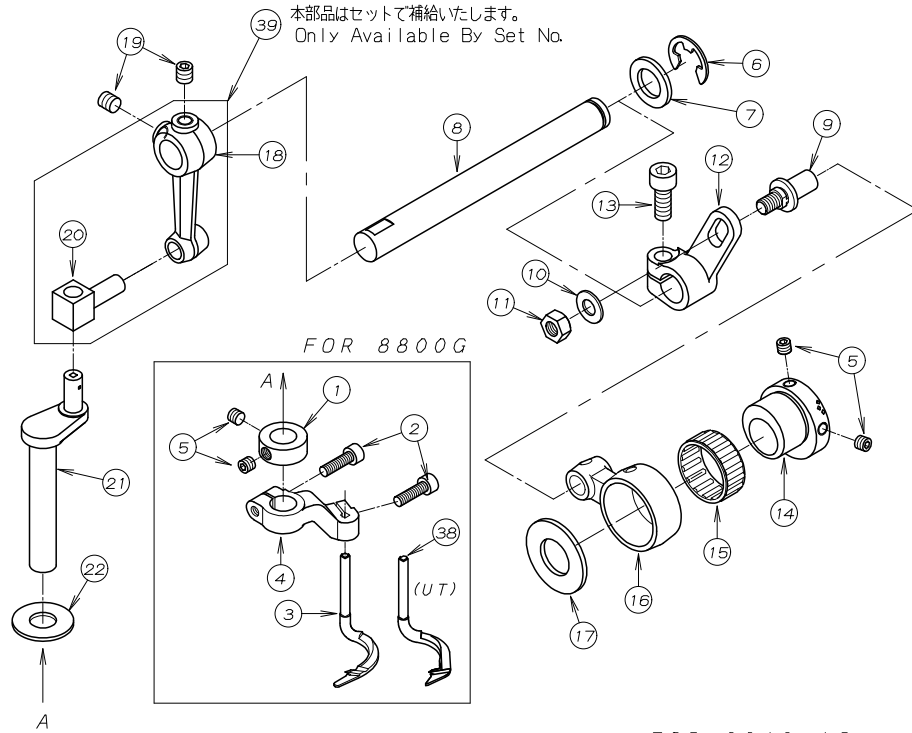


For NL SERIES

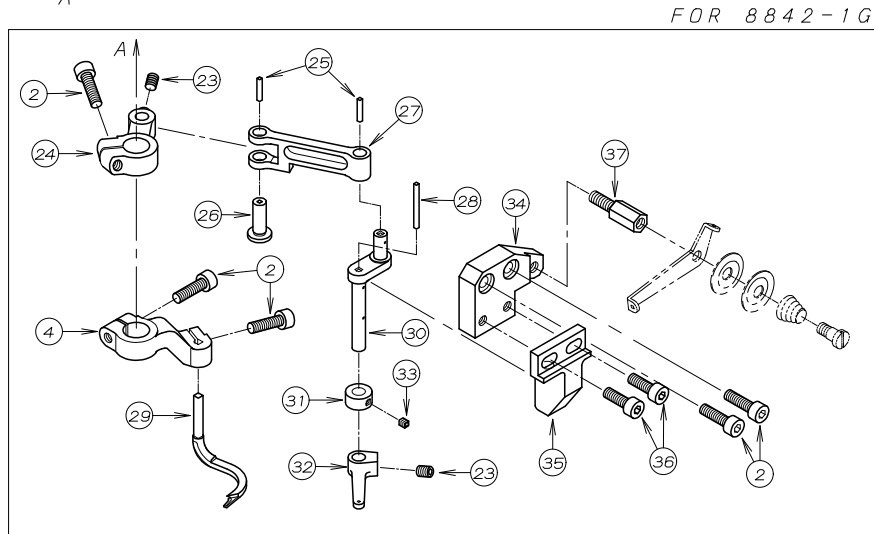


REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
12-01	41-021	カメ糸道	THREAD NIPPER	1
12-02	41-155	チャンホ ^ン 皿	DISC	2
12-03	41-504	調子棒	TENSION POST	1
12-04	43-568	小チャンホ ^ン ナット	NUT	1
12-05	45-032	針糸サバキ	NEEDLE THREAD TAKE-UP	1
12-06	45-035	針棒糸道	THREAD EYELET	1
12-07	45-036	糸道	THREAD EYELET	1
12-08	45-502	飾り糸捌き	THREAD TAKE-UP	1
12-09	45-507	飾り糸捌き糸道	THREAD EYELET	1
12-10	45-508	針株小調子板	PLATE	1
12-11	45-514	飾り糸道	THREAD EYELET	1
12-12	45-515	飾り糸道	THREAD EYELET	1
12-13	45-535	針棒糸道	THREAD EYELET	1
12-14	45-536	針糸捌き	NEEDLE THREAD TAKE-UP	1
12-15	45-539	飾り糸案内	BRACKET	1
12-16	87-272	ネジ	SCREW	2
12-17	67-502	針糸捌き取付台	LEVER	1
12-18	71-514	針糸捌きシャフト	SHAFT	1
12-19	75-410	スフ ^ン リング ^{ワッシャ}	SPRING WASHER	1
12-20	75-455	ワッシャ	WASHER	2
12-21	75-468	ワッシャ	WASHER	2
12-22	75-504	ワッシャ	WASHER	1
12-23	75-505	カラー	COLLAR	1
12-24	75-508	ワッシャ	WASHER	1
12-25	75-526	スフ ^ン リング ^{ワッシャ}	SPRING WASHER	1
12-26	79-025	カメ糸道バネ	SPRING	1
12-27	79-534	ハ ^ネ	SPRING	1
12-28	84-021	ハ ^ネ カ ^{イト} ネジ	SCREW	1
12-29	84-374	ネジ	SCREW	1
12-30	94-504	シールキャップ ^{プラグ}	PLUG	1
12-31	87-481	プラマイナベ小ねじ	SCREW	3
12-32	87-104	ネジ	SCREW	1
12-33	87-112	六角穴付きボルト	BOLT	1
12-34	87-113	六角穴付きボルト	BOLT	1
12-35	87-482	プラマイナベ小ねじ	SCREW	2
12-36	87-224	六角穴付きボルト	BOLT	1
12-37	45-804	針株糸道前	FRONT THREAD EYELET	1
12-38	45-805	針株糸道後	REAR THREAD EYELET	1
12-39	87-095	ネジ	SCREW	2

13. 上飾り機構 SPREADER DRIVE MECHANISM

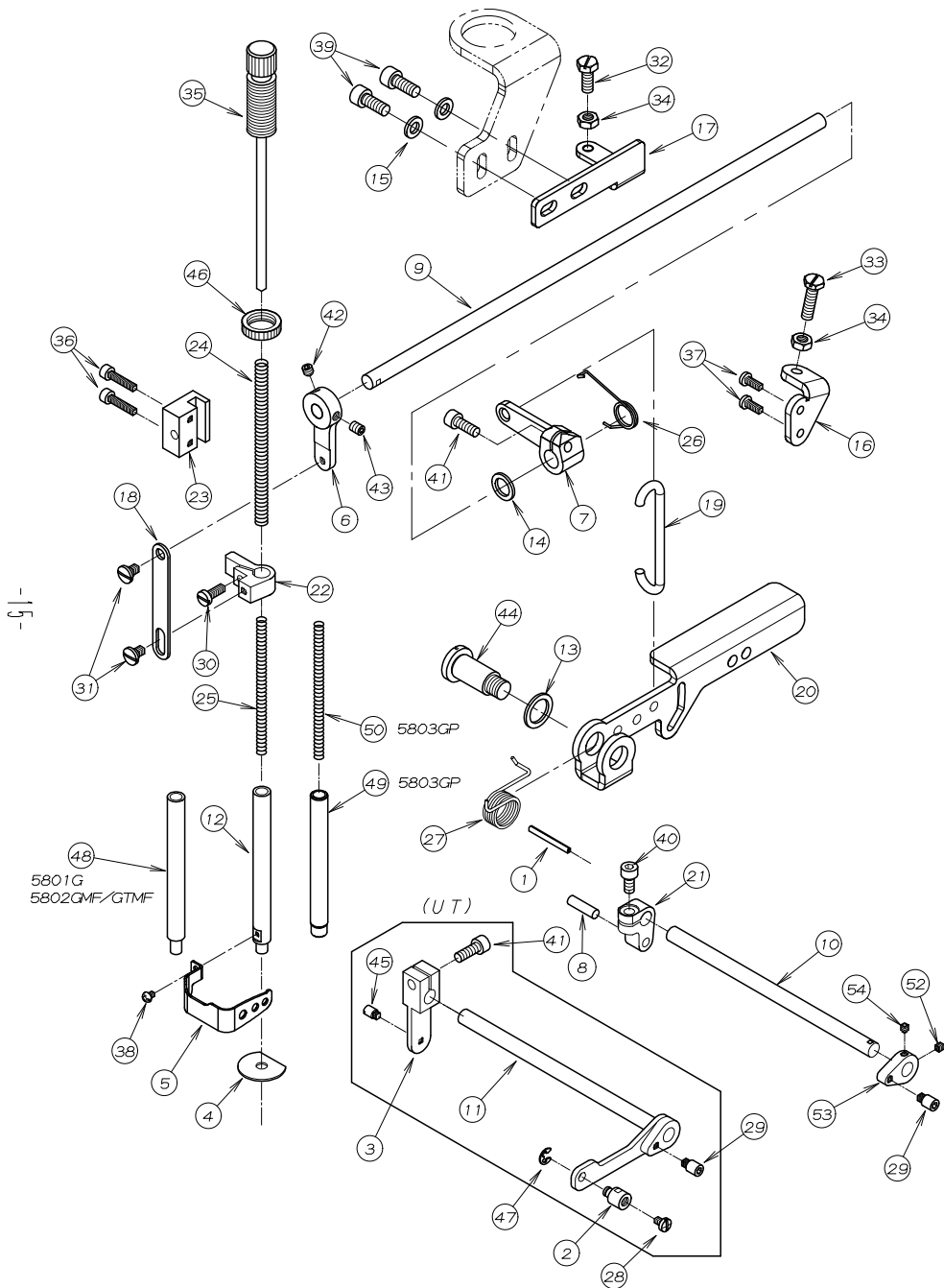


-14-



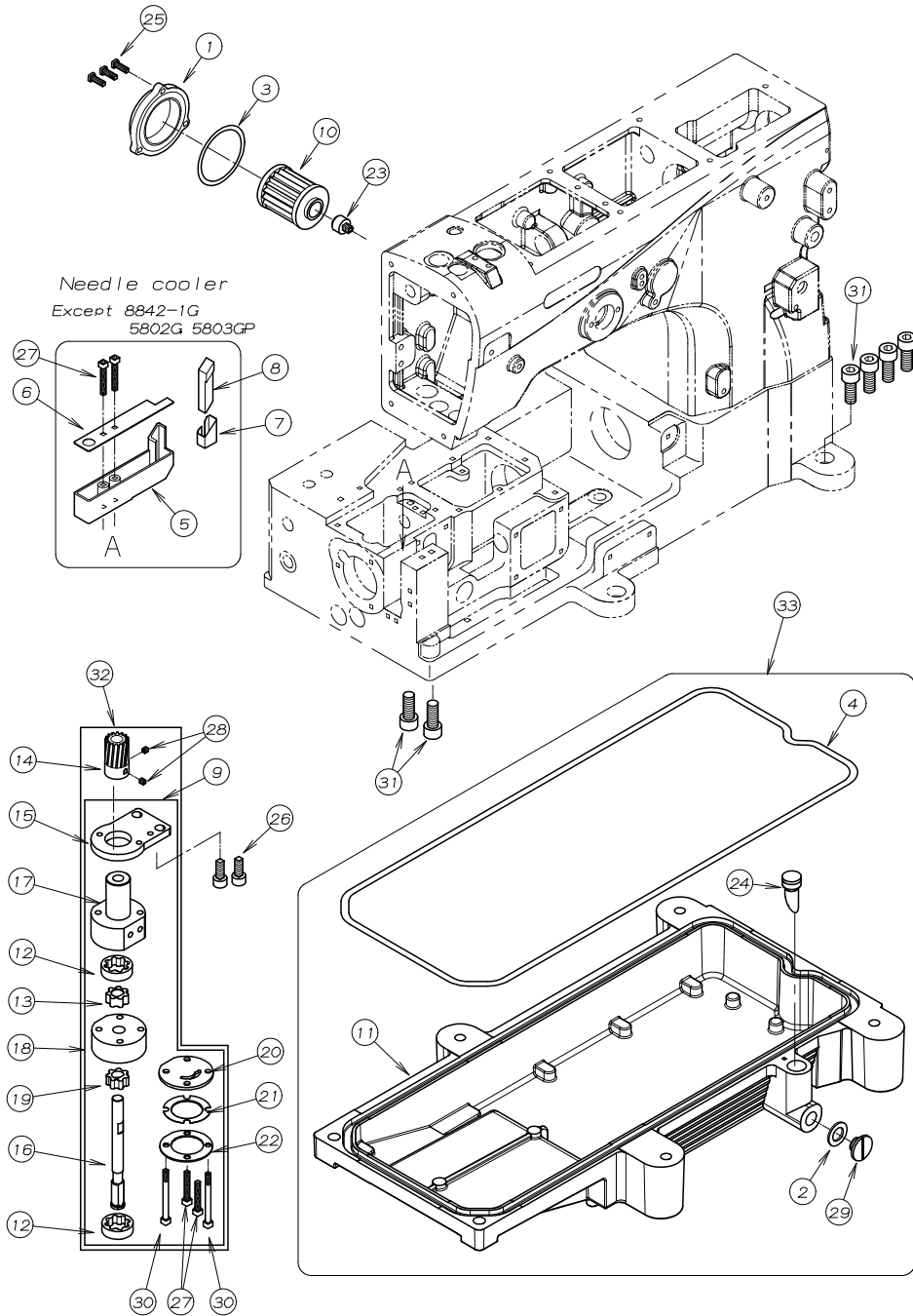
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
13-01	75-537	φ10スラストカラー	COLLAR φ10	1
13-02	87-214	ネジ	SCREW	*
13-03	19-751	飾りルーパ	SPREADER	1
13-04	04-501	スプ レッダ ーホルダ	HOLDER	1
13-05	87-274	ネジ	SCREW	4
13-06	93-202	E型止め輪10	E-RING	1
13-07	75-509	ワッシャ	WASHER	1
13-08	71-513	飾り駆動軸	SHAFT	1
13-09	04-502	飾り調節レバ ーピ ン	PIN	1
13-10	75-452	ワッシャ	WASHER	1
13-11	88-166	ナット	NUT	1
13-12	67-510	飾り振りレバ	LEVER	1
13-13	87-171	ネジ	SCREW	1
13-14	61-527	上飾りエキセン玉	ECCENTRIC	1
13-15	91-416	ヘアリング	NEEDLE BEARING	1
13-16	63-500	飾り振りロッド	CONNECTING ROD	1
13-17	75-502	上軸スベ ースワッシャ	WASHER	1
13-18	67-511	ルーパ ー振りレバ	LEVER	1
13-19	87-172	ネジ	SCREW	2
13-20	04-508	連結ピ ン	PIN	1
13-21	04-507	飾りルーパ ー棒	CRANK	1
13-22	75-549	ワッシャ	WASHER	1
13-23	87-181	ネジ	SCREW	2
13-24	67-512	飾り糸道振りレバ	LEVER	1
13-25	23-553	フェルト	FELT	2
13-26	71-536	ピ ン	PIN	1
13-27	04-510	リンク	LINK	1
13-28	23-531	フェルト	FELT	1
13-29	19-495	上飾りルーパ	SPREADER	1
13-30	04-514	飾り糸道駆動軸	SHAFT	1
13-31	75-544	カラー	COLLER	1
13-32	45-557	糸道	THREAD EYELET	1
13-33	87-104	ネジ	SCREW	1
13-34	04-513	ヘ ースプ ロック	BRACKET	1
13-35	04-512	飾り糸道案内台	BRACKET	1
13-36	87-129	ネジ	SCREW	2
13-37	06-751	スタット ボ ルト	SCREW	1
13-38	19-505	飾りルーパ	SPREADER	1
13-39	60-5110	ルーパ ー振りレバ ーセット	LOOPER DRIVING LEVER SET	1

14. 押え揚げ機構 PRESSER FOOT MECHANISM



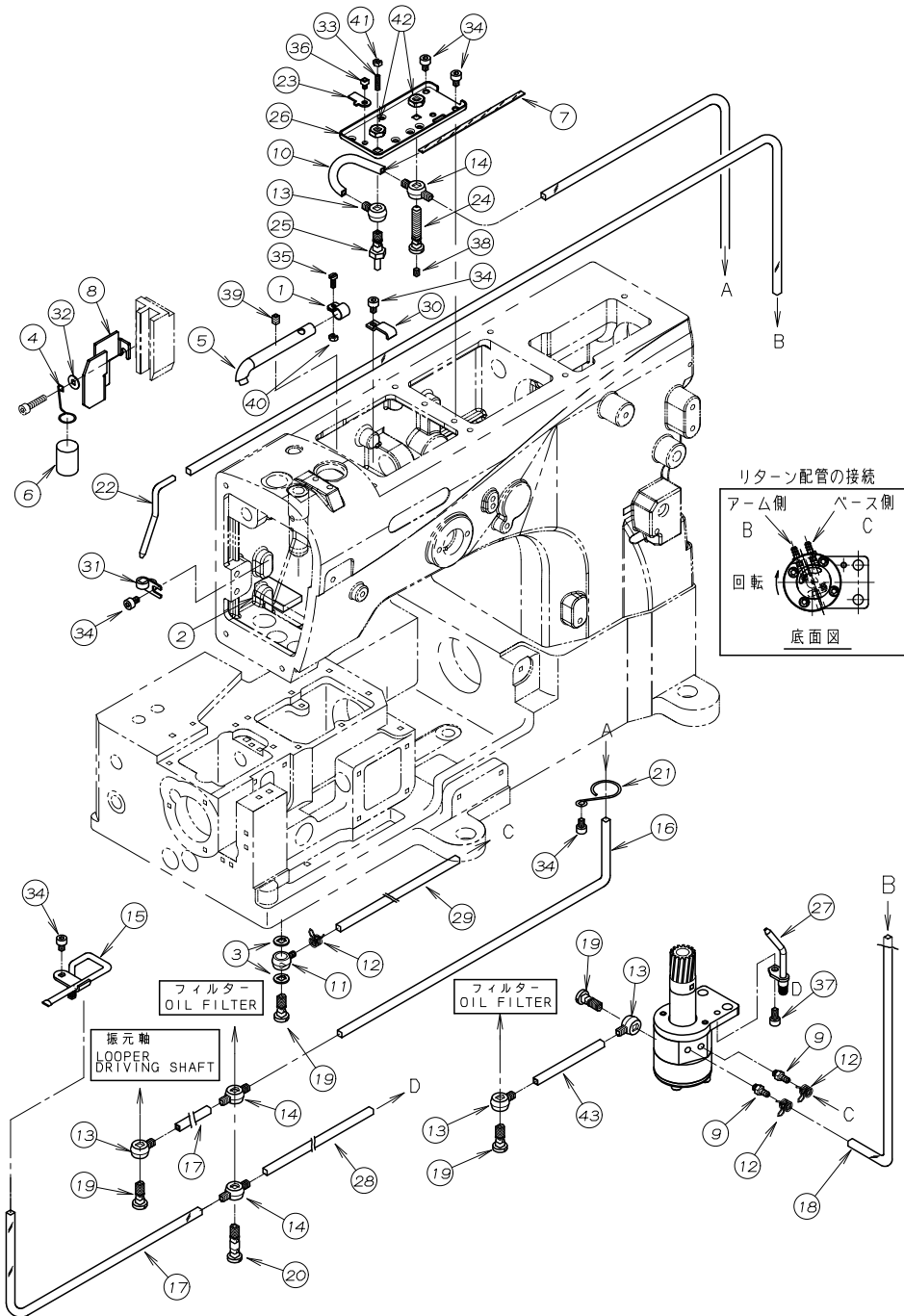
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
14-01	05-404	スプリングピン	SPRING PIN	1
14-02	05-853	糸緩め連結片	HOLDER	1
14-03	05-958	クランクレハ	LEVER	1
14-04	23-018	押え棒油止シール	SEAL	1
14-05	27-232	フィンガード	FINGER GUARD	1
14-06	67-036	レハ	LEVER	1
14-07	67-037	レハ	LEVER	1
14-08	71-203	平行ピン	PIN	1
14-09	71-278	運動シャフト	SHAFT	1
14-10	71-270	糸緩め軸	SHAFT	1
14-11	71-280	レハシャフト (UTC)	SHAFT	1
14-12	71-568	押え棒	PRESSER FOOT BAR	1
14-13	75-332	ワッシャ	WASHER	1
14-14	75-504	ワッシャ	WASHER	1
14-15	75-552	ワッシャ	WASHER	2
14-16	77-030	ブラケット	BRACKET	1
14-17	77-033	押え浮かしストッパ	STOPPER	1
14-18	77-051	連結プレート	PLATE	1
14-19	77-052	リンク	LINK	1
14-20	77-053	押揚ケレハ	LEVER	1
14-21	77-504	押え揚クランク	CRANK	1
14-22	77-510	押え棒抱き	CLAMP	1
14-23	77-511	押え棒ガイド	GUIDE	1
14-24	79-022	押え棒ハネ (上)	SPRING	1
14-25	79-023	押え棒ハネ (下)	SPRING	1
14-26	79-024	巻きハネ	SPRING	1
14-27	79-423	巻きバネ	SPRING	1
14-28	84-361	ネジ	SCREW	1
14-29	84-561	ネジ	SCREW	2
14-30	84-566	ネジ	SCREW	1
14-31	84-581	段ネジ	SCREW	2
14-32	84-818	六角ボルト	BOLT	1
14-33	84-813	ネジ	SCREW	1
14-34	86-411	ナット	NUT	2
14-35	87-001	押え棒筒ネジ	SCREW	1
14-36	87-112	六角穴付きボルト	BOLT	2
14-37	87-483	プラマイナベ小ねじ	SCREW	2
14-38	87-476	プラマイナベ小ねじ	SCREW	1
14-39	87-171	六角穴付きボルト	BOLT	2
14-40	87-213	六角穴付きボルト	BOLT	1
14-41	87-224	六角穴付きボルト	BOLT	2
14-42	87-253	ネジ	SCREW	1
14-43	87-254	ネジ	SCREW	1
14-44	87-404	段付ネジ	SCREW	1
14-45	87-423	段ネジ	SCREW	1
14-46	88-003	筒ネジ ナット	NUT	1
14-47	93-205	Eリング	E-RING	1
14-48	71-679	押え棒	PRESSER FOOT BAR	1
14-49	71-764	押え棒	PRESSER FOOT BAR	1
14-50	79-560	押え棒バネ (小)	SPRING	1
14-51	77-033	押え浮かしストッパ	STOPPER	1
14-52	87-286	ネジ	SCREW	1
14-53	77-270	糸緩めプレート	PLATE	1
14-54	87-233	ネジ	SCREW	1

15. 給油機構 (1) LUBRICATION MECHANISM (1)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
15-01	21-632W	オイルフィルターキャップ	OIL FILTER CAP	1
15-02	23-304	シール	SEAL	1
15-03	23-506	O-リング	O-RING	1
15-04	23-524	O-リング	O-RING	1
15-05	27-537	ニードルクーラー	NEEDLE COOLER	1
15-06	27-538	ニードルクーラーフタ	NEEDLE COOLER COVER	1
15-07	27-539	フェルトガード	FELT GUARD	1
15-08	27-540	ニードルクーラーフェルト	FELT	1
15-09	30-0019	ポンプセット	PUMP ASS'Y	1
15-10	31-222	フィルター	OIL FILTER	1
15-11	31-518	オイルタンク	OIL TANK	1
15-12	31-530	アウターローター	OUTER ROTER	2
15-13	31-531	インナーローター	INNER ROTER	1
15-14	31-539	ポンプギア	PUMP GEAR	1
15-15	31-549	ポンプ取付板	PLATE	1
15-16	31-542	ポンプ軸	PUMP SHAFT	1
15-17	31-543	ポンプハウジング(上)	PUMP HOUSING	1
15-18	31-544	ポンプハウジング(下)	PUMP HOUSING	1
15-19	31-545	インナーローター	INNER ROTER	1
15-20	31-546	ポンプ裏板	PLATE	1
15-21	31-547	ポンプメッシュ	PUMP MESH	1
15-22	31-548	ポンプメッシュ止め板	PLATE	1
15-23	35-509	継手	JOINT	1
15-24	39-219	オイルゲージ	OIL GAUGE	1
15-25	87-484	プラマイナベ小ねじ	SCREW	3
15-26	87-171	六角穴付きボルト	BOLT	2
15-27	87-285	六角穴付きボルト	BOLT	4
15-28	87-286	ネジ	SCREW	2
15-29	87-311	フタネジ	SCREW	1
15-30	87-391	六角穴付きボルト	BOLT	2
15-31	87-663	六角穴付きボルト	BOLT	6
15-32	30-0020	ポンプセット	PUMP ASS'Y	1
15-33	30-5080	オイルタンクセット	OILTANK ASS'Y	1

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

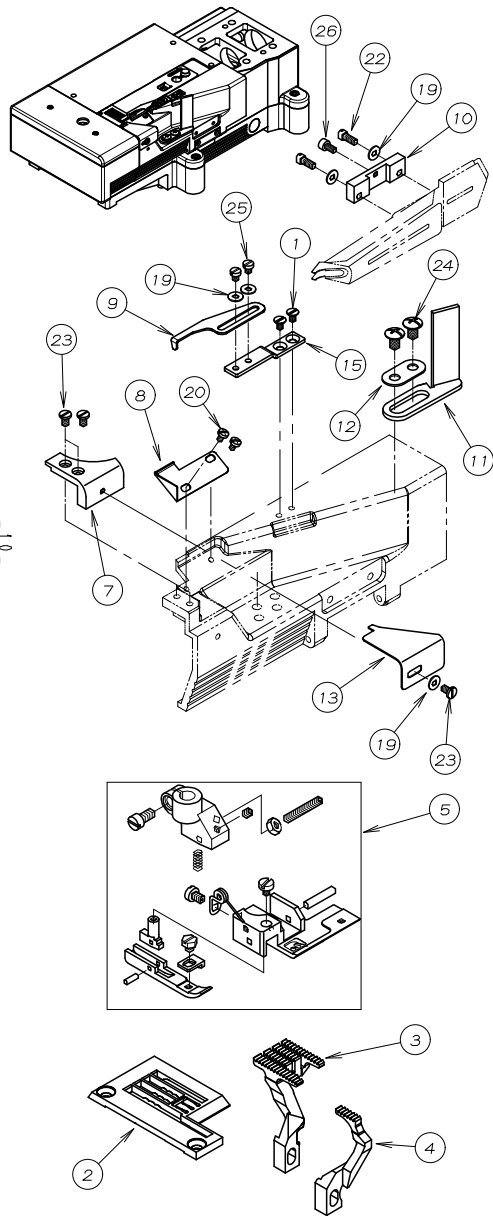


REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
16-01	07-008	調節バンド	BAND	1
16-02	23-386	フェルト	FELT	1
16-03	23-514	シヨイントシール	JOINT SEAL	2
16-04	23-558	給油サホート	SUPPORT	1
16-05	23-560	給油ハーフ	PIPE	1
16-06	23-559	スポンジ	SPONGE	1
16-07	23-574	フェルト	FELT	1
16-08	27-301	オイルフェンス	OIL COVER	1
16-09	31-314	継手	JOINT	2
16-10	35-525	ヒールチューブ	TUBE	1
16-11	35-361	片口管継手 (小)	JOINT	1
16-12	35-413	止め金具	CLAMP	3
16-13	35-505	片口継手	JOINT	4
16-14	35-506	両口管継手	JOINT	3
16-15	35-514	給油配管	OIL DISTRIBUTOR	1
16-16	35-517	ヒールチューブ 540L	TUBE	1
16-17	35-519	ヒールチューブ	TUBE	2
16-18	35-521	ヒールチューブ	TUBE	1
16-19	35-528	管継手ホルト	JOINT SCREW	4
16-20	35-529	管継手ホルト	JOINT SCREW	1
16-21	35-530	チューブバンド	CLAMP	1
16-22	35-540	リターン用ハーフ	PIPE	1
16-23	35-551	油調節プレート	PLATE	1
16-24	35-556	オイル噴出し継手	JOINT SCREW	1
16-25	35-557	ノズル	OIL SIGHT TOP NOZZLE	1
16-26	35-558	油受け	OIL RELEASER	1
16-27	35-560	ポンプキヤ給油配管	PIPE	1
16-28	35-562	ヒールチューブ	TUBE (φ6xφ4, 300L)	1
16-29	35-317	ヒールチューブ	TUBE (φ6xφ3, 290L)	1
16-30	39-139	ハーフサポート	PIPE SUPPORT	1
16-31	39-501	配管止め	CLAMP	1
16-32	75-455	ワッシャ	WASHER	1
16-33	87-072	六角穴付止めねじ	SCREW	1
16-34	87-092	六角穴付きボルト	BOLT	6
16-35	87-128	ネジ	SCREW	1
16-36	87-142	ネジ	SCREW	1
16-37	87-177	六角穴付きボルト	BOLT	1
16-38	87-181	ネジ	SCREW	1
16-39	87-254	ネジ	SCREW	1
16-40	88-136	ナット	NUT	1
16-41	88-137	ナット	NUT	1
16-42	88-165	六角ナット	NUT	2
16-43	35-027	ヒールチューブ φ6xφ4x50L	TUBE	1

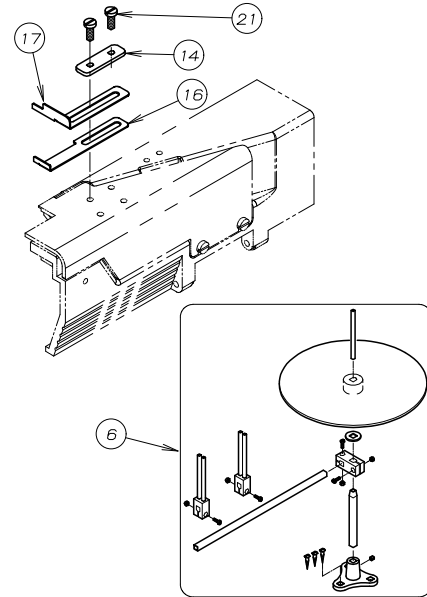
17. MG専用アクセサリ-部品 (同梱品)

MODEL MG EXCLUSIVE ACCESSORIES

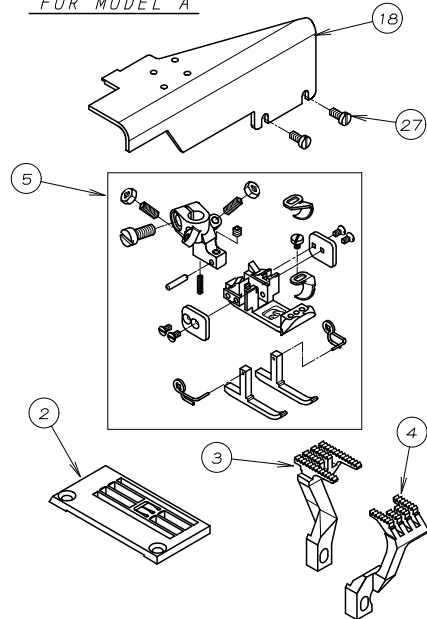
◆GMG
FOR MODEL F



◆GMG, GFMG
FOR MODEL A, F



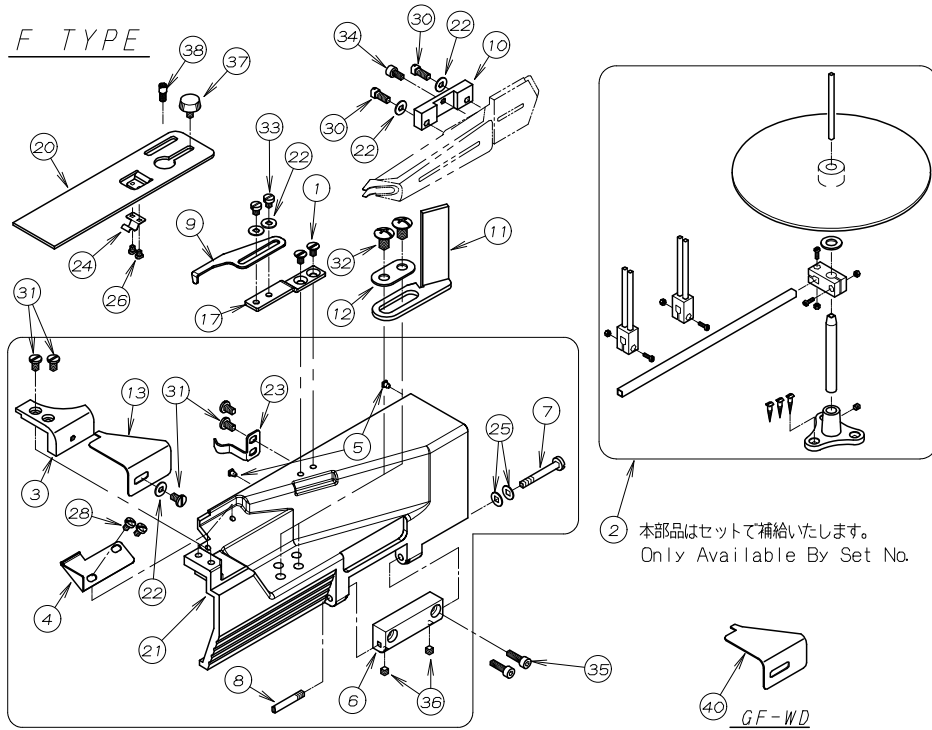
◆GFMG
FOR MODEL A



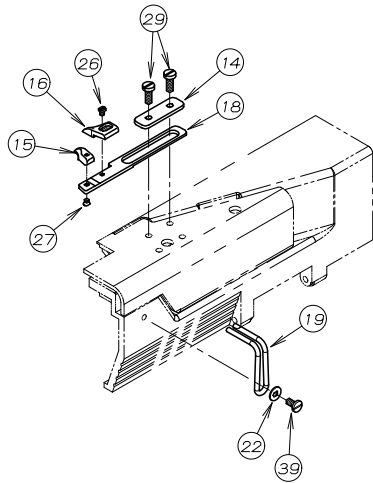
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
17-01	05-074	ネジ	SCREW	2
17-02	14-192	針板	NEEDLE PLATE	1
17-03	15-015	後送歯	REAR FEED DOG	1
17-04	15-016	前送歯	FRONT FEED DOG	1
17-05	17-9390-1	押えセット (1/4)	PRESSER FOOT ASS'Y (1/4)	1
17-06	20-6150	テープガイドセット	TAPE GUIDE ASSEMBLY	1
17-07	21-822	前カバー (小)	FRONT COVER (S)	1
17-08	21-986	防塵カバー	DUSTPROOF COVER	1
17-09	26-008	テープガイド	GUIDE	1
17-10	26-724	F用ラッパ抱き	FOLDER BASE FOR F	1
17-11	26-821	F用ラッパ取付台	FOLDER BASE	1
17-12	26-822	ラッパ取付金具	PLATE	1
17-13	26-823	F用前定規	GUIDE PLATE FOR F	1
17-14	26-825	ガイド固定板	GUIDE FIXING PLATE	1
17-15	26-835	テープガイド取付台 (F用)	GUIDE SUPPORT	1
17-16	26-837	A用ガイド (左)	GUIDE (LEFT)	1
17-17	26-838	A用ガイド (右)	GUIDE (RIGHT)	1
17-18	27-542	D用前カバー	FRONT COVER	1
17-19	75-455	ワッシャ	WASHER	5
17-20	84-361	ネジ	SCREW	2
17-21	84-566	ネジ	SCREW	2
17-22	84-572	ネジ	SCREW	2
17-23	84-574	ネジ	SCREW	3
17-24	85-182	ネジ	SCREW	2
17-25	87-098	ネジ	SCREW	2
17-26	87-177	六角穴付きボルト	BOLT	1
17-27	87-278	ネジ	SCREW	2

18. Fタイプ, CLタイプ専用部品 MODEL F, CL EXCLUSIVE PARTS

F TYPE

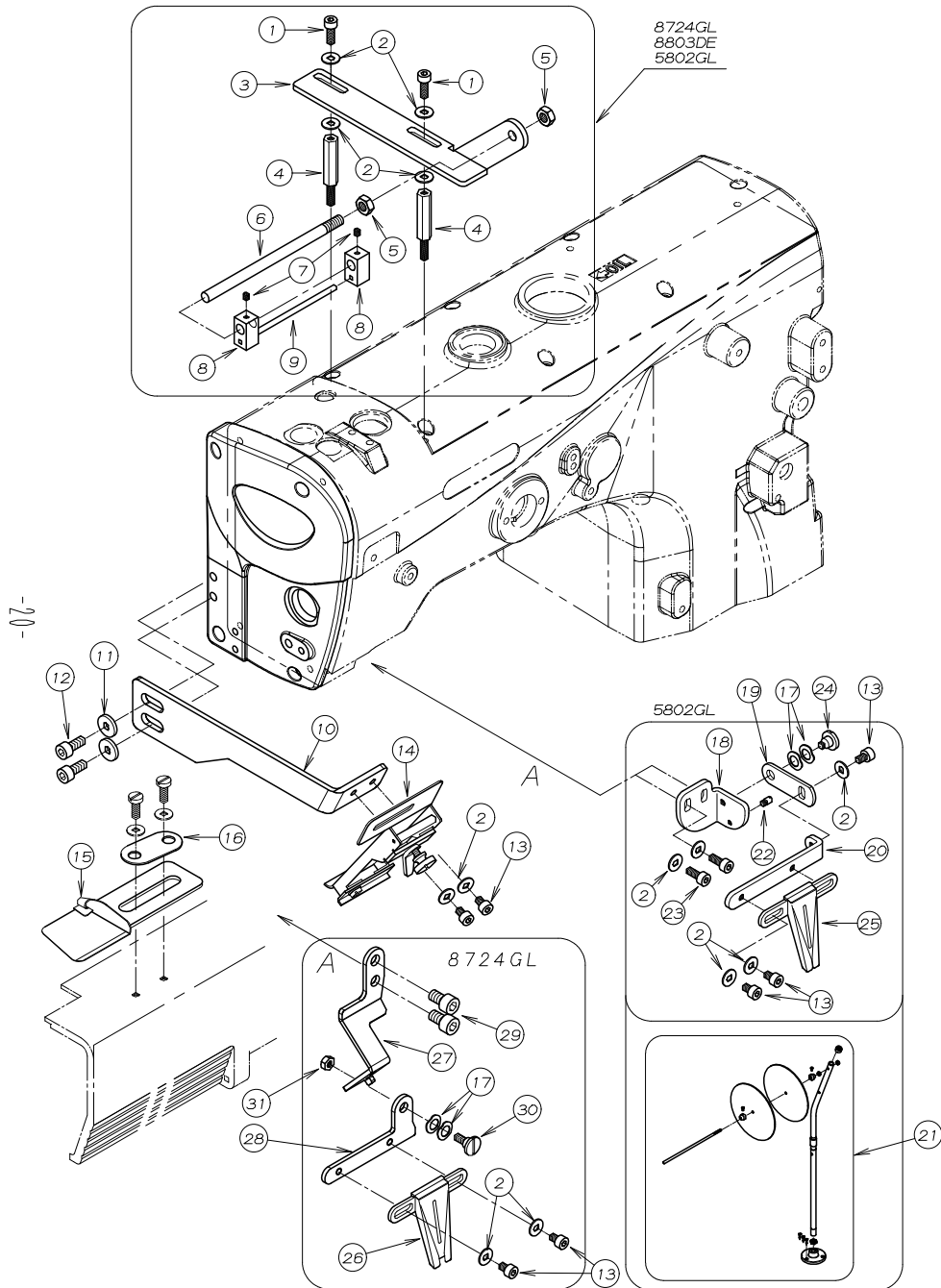


CL TYPE



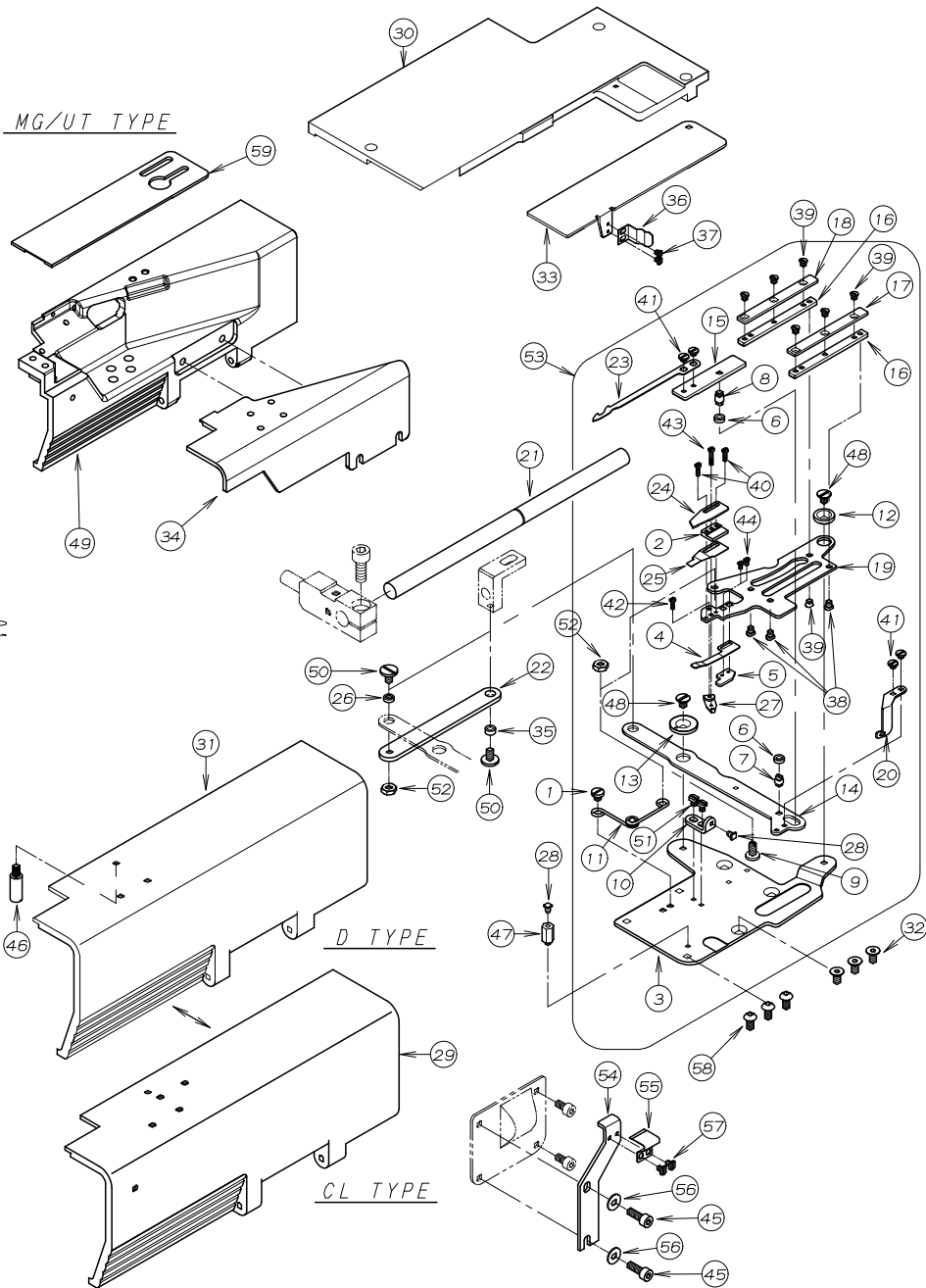
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
18-01	05-074	ネジ	SCREW	2
18-02	20-6150	テープガイドセット	TAPE GUIDE ASSEMBLY	1
18-03	21-822	前カバー (小)	FRONT COVER (S)	1
18-04	21-986	防塵カバー	DUSTPROOF COVER	1
18-05	23-512	クッションゴム	CUSHION RUBBER	2
18-06	25-516W	定規台ヒンジ	HINGE	1
18-07	25-517	ヒンジネジ	SCREW	1
18-08	25-527	カバーヒンジネジ	SCREW	1
18-09	26-008	テープガイド	GUIDE	1
18-10	26-724	F用ラッパ抱き	FOLDER BASE FOR F	1
18-11	26-821	F用ラッパ取付台	FOLDER BASE	1
18-12	26-822	ラッパ取付金具	PLATE	1
18-13	26-823	F用前定規	GUIDE PLATE FOR F	1
18-14	26-825	ガイド固定板	GUIDE FIXING PLATE	1
18-15	26-826	布ガイド (左) A	LEFT SIDE GUIDE	1
18-16	26-827	布ガイド (右) A	RIGHT SIDE GUIDE	1
18-17	26-835	テープガイド取付台 (F用)	GUIDE SUPPORT	1
18-18	26-839	ガイド取付板 (C用)	GUIDE SUPPORT (COVERING)	1
18-19	26-840	前ガイド	FRONT GUIDE (COVERING)	1
18-20	27-167	前ベースカバー	FRONT BASE COVER	1
18-21	21-821W	前カバー	FRONT COVER	1
18-22	75-455	ワッシャー	WASHER	6
18-23	79-530	前カバー止めハネ	SPRING	1
18-24	79-801	ハネ	SPRING	1
18-25	79-922	皿ハネ	SPRING	2
18-26	84-167	ネジ	SCREW	3
18-27	84-193	ネジ	SCREW	1
18-28	84-361	ネジ	SCREW	2
18-29	84-566	ネジ	SCREW	2
18-30	84-572	ネジ	SCREW	2
18-31	84-574	ネジ	SCREW	5
18-32	85-182	ネジ	SCREW	2
18-33	87-098	ネジ	SCREW	2
18-34	87-177	六角穴付きボルト	BOLT	1
18-35	87-214	六角穴付きボルト	BOLT	2
18-36	87-274	ネジ	SCREW	2
18-37	87-292	調節ネジ	SCREW	1
18-38	87-459	段ネジ	SCREW	1
18-39	87-288	ネジ	SCREW	1
18-40	26-841	F用前定規	GUIDE PLATE FOR F	1

19. DE/Lタイプ専用部品 MODEL DE/L EXCLUSIVE PARTS



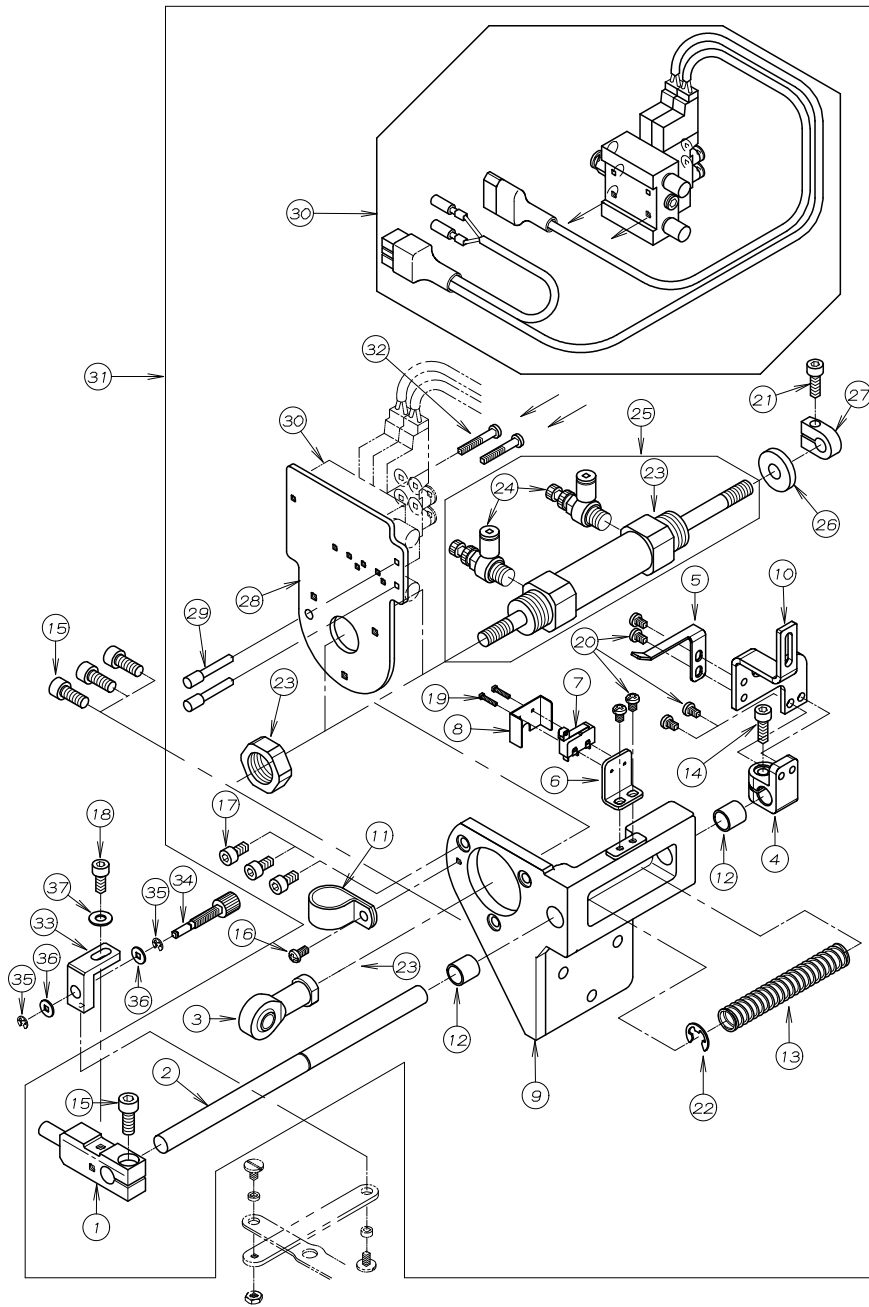
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
19-01	87-129	六角穴付きボルト	BOLT	2
19-02	75-455	ワッシャ	WASHER	13
19-03	26-606	ゴムプーラー取付板	BRACKET	1
19-04	87-309	支柱ネジ	SCREW	2
19-05	86-411	ナット	NUT	2
19-06	26-751	ゴムプーラー取付棒	BAR	1
19-07	84-112	ネジ	SCREW	2
19-08	26-753	ゴムプーラー取付金具	BRACKET	2
19-09	26-752	ゴムプーラー案内棒	BAR	1
19-10	26-612	ラッパ取付台	BRACKET	1
19-11	75-456	ワッシャ	WASHER	2
19-12	87-252	六角穴付きボルト	BOLT	2
19-13	87-092	ネジ	SCREW	7
19-14	97-513	DE用ゴム調整器	HOLDER	1
19-15	97-714	DE用ホルダー	HOLDER	1
19-16	26-712	取付金具	WASHER	1
19-17	02-119	波圧金	WASHER	4
19-18	26-608	ブラケットA	BRACKET A	1
19-19	26-609	ブラケットB	BRACKET B	1
19-20	26-610	ブラケットC	BRACKET C	1
19-21	20-6020	テープ立て	TAPE STAND	1
19-22	84-114	ネジ	SCREW	1
19-23	87-113	六角穴付きボルト	BOLT	2
19-24	87-264	段ネジ	SCREW	1
19-25	97-5010-1	バインダーセット (9mm)	FOLDER ASS'Y (9mm)	1
19-26	97-5020-1	バインダーセット (12mm)	FOLDER ASS'Y (12mm)	1
19-27	26-616	ブラケットA	BRACKET A	1
19-28	26-617	ブラケットB	BRACKET B	1
19-29	87-203	六角穴付きボルト	BOLT	2
19-30	87-462	平頭付段ネジ	SCREW	1
19-31	88-146	ナット	NUT	1

20. 下糸切り装置 (UT) KNIFE MECHANISM (UT)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
20-01	05-056	平頭付段ネジ	SCREW	1
20-02	05-062	可動メスカイト	GUIDE	1
20-03	05-076	メス土台プレート	PLATE	1
20-04	05-077	裏パネ(下)	LEAF SPRING (LOWER)	1
20-05	05-078	下ハネスパーサー	SPACER	1
20-06	05-079	カイトローラー	GUIDE ROLLER	2
20-07	05-080	固定メス土台駆動ピン	PIN	1
20-08	05-081	可動メス駆動ピン	PIN	1
20-09	05-082	ネジ	SCREW	1
20-10	05-160	固定メス台ストップパー	STOPPER	1
20-11	05-084	固定メス台パネ	SPRING	1
20-12	05-085	支点ピン	PIN	1
20-13	05-086	固定メス土台調節リング	RING	1
20-14	05-087	駆動レバー	LEVER	1
20-15	05-088	可動メスベース	LOWER KNIFE BASE	1
20-16	05-089	可動メスベースカイト	GUIDE	2
20-17	05-090	押エプレート	PLATE	1
20-18	05-091	押エプレート	PLATE	1
20-19	05-158	固定メス土台	UPPER KNIFE HOLDER	1
20-20	05-093	ルーパ糸緩め糸道	THREAD EYELET	1
20-21	05-152	戻しシャフト	SHAFT	1
20-22	05-153	連結プレート	PLATE	1
20-23	05-658	可動メス	LOWER KNIFE	1
20-24	05-812	固定メス	UPPER KNIFE	1
20-25	05-814	裏ハネ(上)	LEAF SPRING (UPPER)	1
20-26	05-882	カイトローラー	GUIDE ROLLER	1
20-27	05-894	裏ハネ調節板	PLATE	1
20-28	23-512	クッションゴム	CUSHION RUBBER	2
20-29	27-128W	前カバー	FRONT COVER	1
20-30	27-126W	上ハネスカカバー	CLOTH PLATE	1
20-31	27-127W	前カバー	FRONT COVER	1
20-32	87-269	ネジ	SCREW	3
20-33	27-016	前ベースカバー	FRONT BASE COVER	1
20-34	27-542	D用前カバー	FRONT COVER	1
20-35	05-430	カイトローラー	GUIDE ROLLER	1
20-36	79-535	前カバー止メハネ	SPRING	1
20-37	84-163	ネジ	SCREW	2
20-38	84-167	ネジ	SCREW	3
20-39	84-193	ネジ	SCREW	7
20-40	87-075	ネジ	SCREW	2
20-41	87-077	ネジ	SCREW	4
20-42	87-078	ネジ	SCREW	1
20-43	87-079	ネジ	SCREW	1
20-44	87-107	ネジ	SCREW	2
20-45	87-129	ネジ	SCREW	2
20-46	87-305	ネジ	SCREW	1
20-47	87-306	六角支柱ネジ	SCREW	1
20-48	87-307	ネジ	SCREW	2
20-49	27-556	前カバー(UT)	FRONT COVER (UT)	1
20-50	87-414	ネジ	SCREW	2
20-51	87-095	ネジ	SCREW	2
20-52	88-147	六角ナット	NUT	2
20-53	00-8057	メスセット	THREAD TRIM ASSEMBLY	1
20-54	05-157	メス土台カイト	GUIDE PLATE	1
20-55	05-156	メス土台止メハネ	SPRING	1
20-56	75-455	ワッシャ	WASHER	2
20-57	87-083	ネジ	SCREW	2
20-58	87-272	ネジ	SCREW	3
20-59	27-557	前ベースカバー	FRONT BASE COVER	1

21. UT駆動装置(エア式) THREAD TRIMMING MECHANISM(PNEUMATIC TYPE)

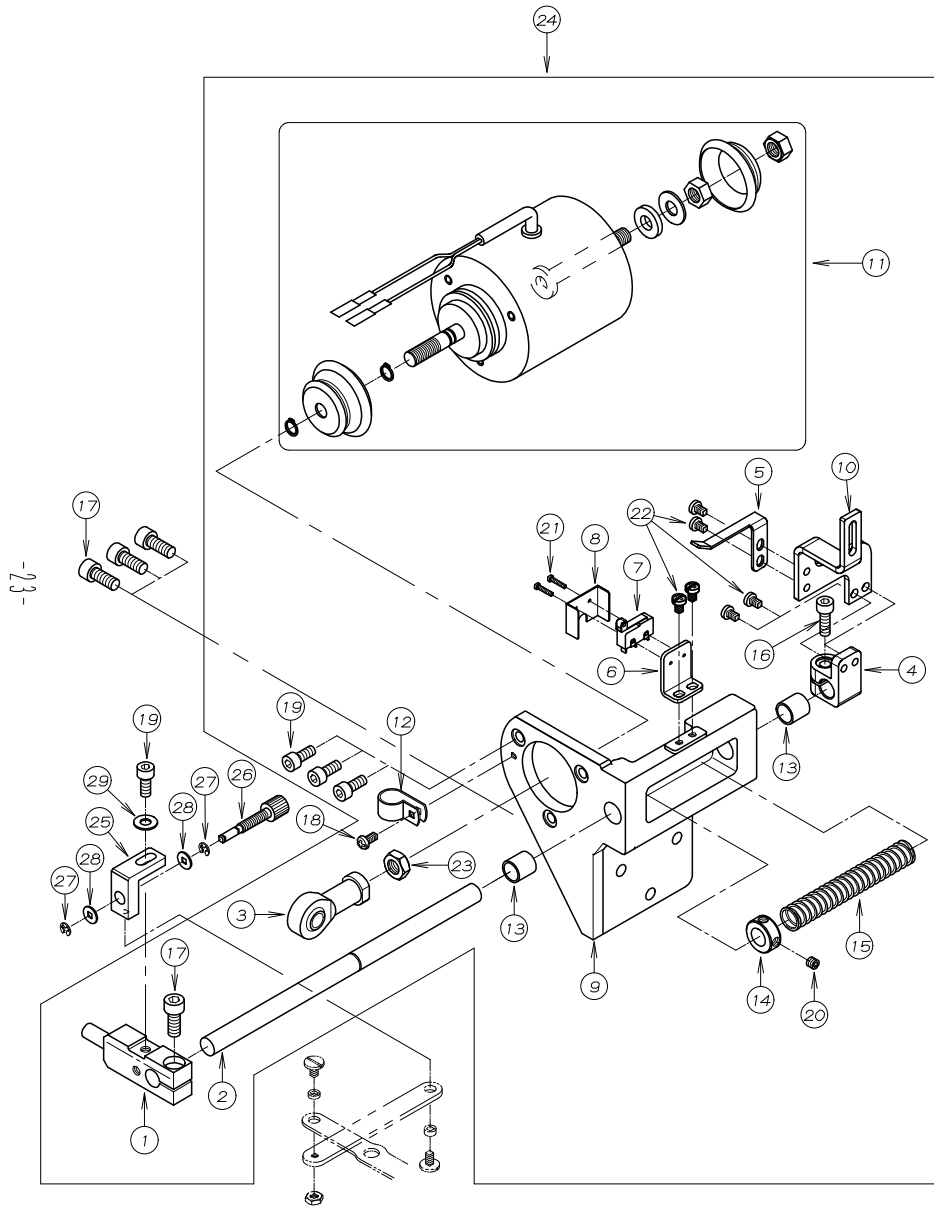


-12-

REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
21-01	05-151	連結金具	BRACKET	1
21-02	05-152	戻しシャフト	SHAFT	1
21-03	05-842	ロッド・エンド	ROD	1
21-04	05-927	レハ - 取付台	BRACKET	1
21-05	05-294	スイッチカ・イト	SWITCH PLATE	1
21-06	05-910	スイッチ取付板	PLATE	1
21-07	05-911	リミットスイッチ	SWITCH	1
21-08	05-912	スイッチカバー	COVER	1
21-09	05-926	シリンダ - 取付フ・ラケット	BRACKET	1
21-10	05-227	糸緩め連結フ・レート	PLATE	1
21-11	06-927	ナイロンクリップ	CLAMP	1
21-12	81-588	ブッシュ	BUSHING	2
21-13	79-642	戻しハ・ネ	SPRING	1
21-14	87-245	六角穴付きボルト	BOLT	1
21-15	87-171	六角穴付きボルト	BOLT	4
21-16	87-482	プラマイナベ小ねじ	SCREW	1
21-17	87-213	六角穴付きボルト	BOLT	3
21-18	87-252	ネジ	SCREW	1
21-19	87-282	ネジ	SCREW	2
21-20	87-481	プラマイナベ小ねじ	SCREW	6
21-21	87-245	ネジ	SCREW	1
21-22	93-222	Eリング	E-RING	1
21-23	05-205	メス駆動シリンダ	CYLINDER	1
21-24	06-580	スピードコントローラ	SPEED CONTROLLER	2
21-25	00-6083	メス駆動シリンダ - セット	CYLINDER ASS'Y	1
21-26	05-907	クッションゴム	SHOCK RUBBER	1
21-27	05-220	クッションストッパ	COLLAR	1
21-28	05-646	シリンダ - 取付板	PLATE	1
21-29	06-597	フ・ラック	PLUG	2
21-30	05-647	電磁弁2連セット	SOLENOID VALVE ASSEMBLY	1
21-31	00-6116	UT駆動装置(空気式)	AIR CYLINDER ASSEMBLY (UT-A)	1
21-32	87-493	プラマイナベ小ねじ	SCREW	2
21-33	05-155	調節フ・ラケット	BRACKET	1
21-34	05-154	調節ネジ	ADJUST SCREW	1
21-35	93-201	Eリング	E-RING	2
21-36	75-473	ワッシャ	WASHER	2
21-37	75-453	ワッシャ	WASHER	1

22. UT駆動装置 (電気式)

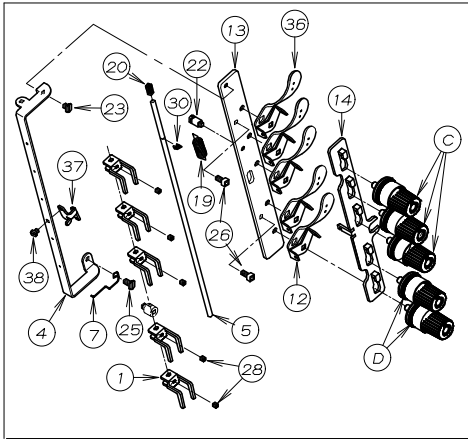
THREAD TRIMMING MECHANISM (ELECTRIC TYPE)



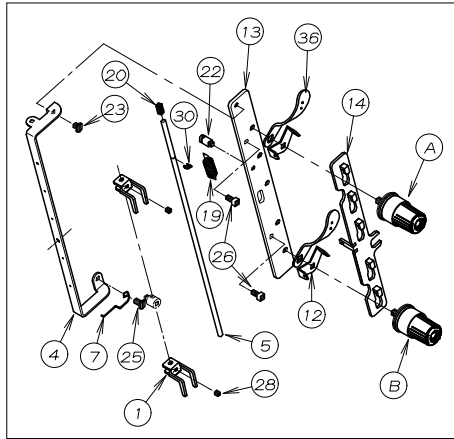
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
22-01	05-151	連結金具	BRACKET	1
22-02	05-152	戻しシャフト	SHAFT	1
22-03	05-842	ロッド・エント	ROD	1
22-04	05-927	レハ - 取付台	BRACKET	1
22-05	05-294	スイッチカ・イト	SWITCH PLATE	1
22-06	05-910	スイッチ取付板	PLATE	1
22-07	05-911	リミットスイッチ	SWITCH	1
22-08	05-912	スイッチカバー	COVER	1
22-09	05-926	シリンダ - 取付フ ラケット	BRACKET	1
22-10	05-227	糸緩め連結フ レート	PLATE	1
22-11	06-336	メス用ソレノイド	SOLENOID	1
22-12	06-928	ナイロンクリップ	CLAMP	1
22-13	81-588	軸受	BUSHING	2
22-14	75-537	カラー	COLLAR	1
22-15	79-642	戻しハ ネ	SPRING	1
22-16	87-245	六角穴付きボルト	BOLT	1
22-17	87-171	六角穴付きボルト	BOLT	4
22-18	87-482	プラマイナベ小ねじ	SCREW	1
22-19	87-252	六角穴付きボルト	BOLT	4
22-20	87-274	ネジ	SCREW	1
22-21	87-282	ネジ	SCREW	2
22-22	87-481	プラマイナベ小ねじ	SCREW	6
22-23	88-179	ナット	NUT	1
22-24	00-6117	UT駆動装置 (電気式)	SOLENOID ASSEMBLY (UT-E)	1
22-25	05-155	調節フ ラケット	BRACKET	1
22-26	05-154	調節ネジ	ADJUST SCREW	1
22-27	93-201	Eリング	E-RING	2
22-28	75-473	ワッシャ	WASHER	2
22-29	75-453	ワッシャ	WASHER	1

23. 糸調子機構 (UT) THREAD TENSION MECHANISM (UT)

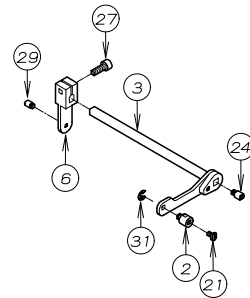
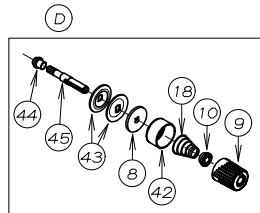
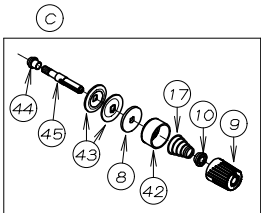
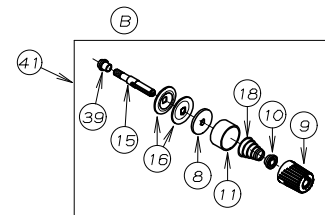
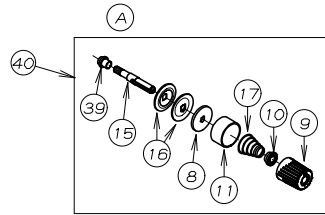
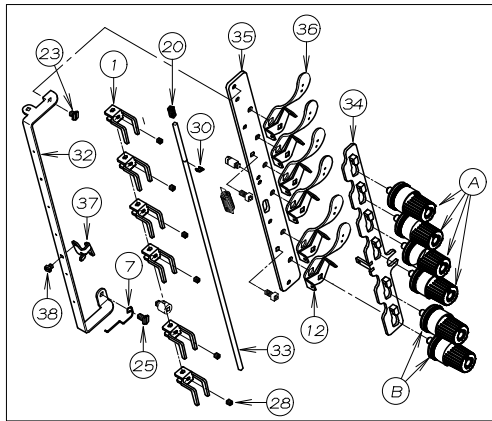
8803G



5801G



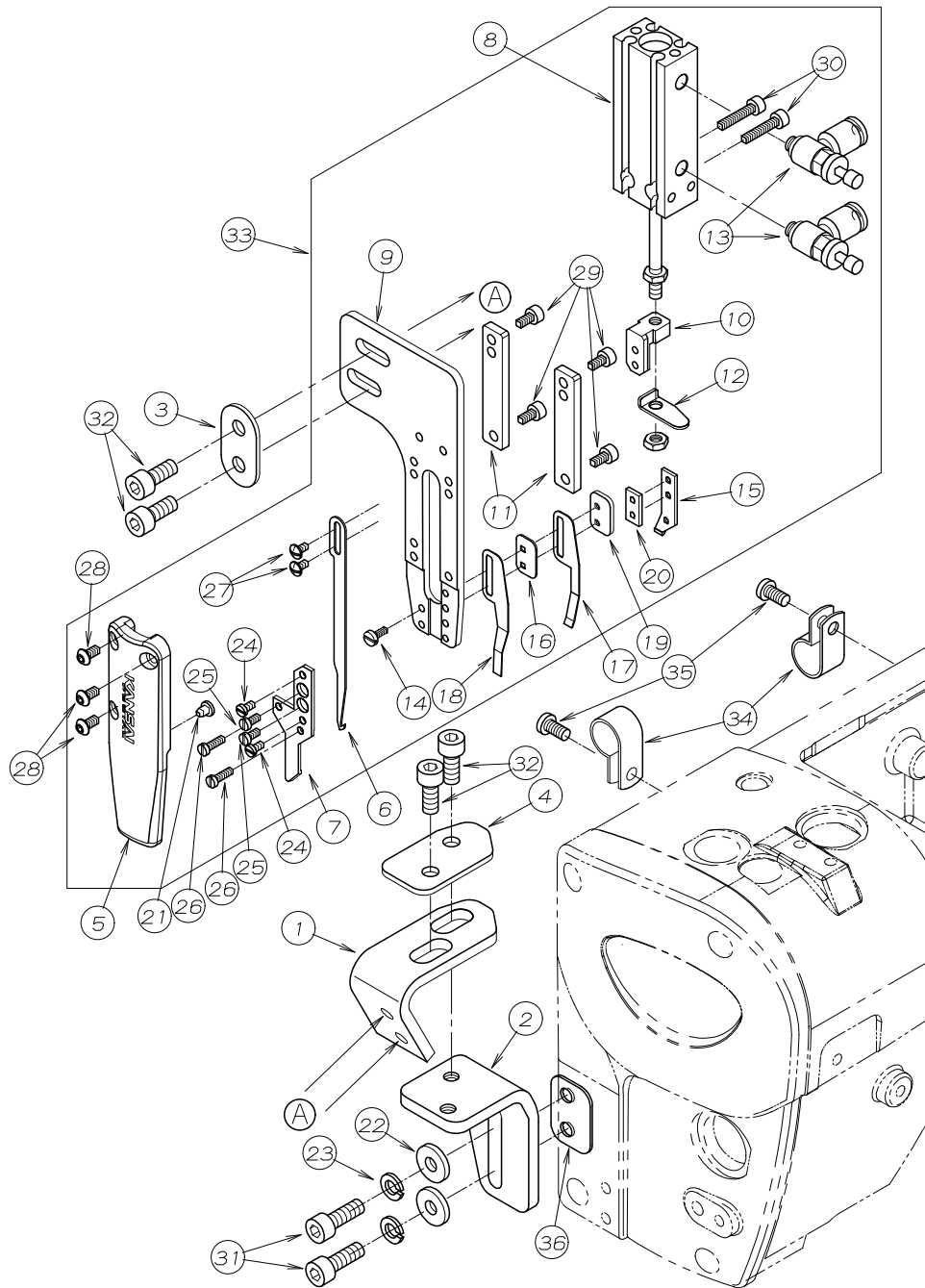
8804G



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
23-01	05-850	糸緩めブロック (大)	HOLDER (LARGE)	5-6
23-02	05-853	糸緩め連結片	HOLDER	1
23-03	05-955	糸緩め軸	SHAFT	1
23-04	05-956	糸緩め糸道	THREAD EYELET	1
23-05	05-957	糸緩め棒	SHAFT	1
23-06	05-958	クランクレハ	LEVER	1
23-07	05-961	糸緩め防振ハネ	SPRING	1
23-08	23-324	フェルト	FELT	5-6
23-09	41-104	チャンポン皿小ケース	THREAD TENSION NUT	5-6
23-10	41-105	チャンポン皿ラチェット	SPRING POST	5-6
23-11	41-106	大ケース	SPRING CUP	5-6
23-12	41-115	糸道 (上)	THREAD GUIDE (UPPER)	5-6
23-13	41-501	ブラケット	BRACKET	1
23-14	41-502	糸緩めプレート	THREAD RELEASER	1
23-15	41-527	調子棒	SCREW STUD	5-6
23-16	41-509	チャンポン皿	TENSION DISC	10-12
23-17	41-701	チャンポン調子バネ (強)	SPRING (HEAVY)	3
23-18	41-702	チャンポン調子バネ (弱)	SPRING (LIGHT)	1-2
23-19	79-514	引張りバネ	SPRING	1
23-20	79-542	糸緩め棒防振バネ	SPRING	1
23-21	84-361	ネジ	SCREW	1
23-22	84-501	ネジ	SCREW	1
23-23	84-553	ネジ	SCREW	1
23-24	84-561	ネジ	SCREW	1
23-25	84-574	ネジ	SCREW	1
23-26	87-177	六角穴付きボルト	BOLT	2
23-27	87-224	六角穴付きボルト	BOLT	1
23-28	87-286	ネジ	SCREW	5-6
23-29	87-423	段ネジ	SCREW	1
23-30	93-201	Eリング	E-RING	1
23-31	93-205	E-リンク	E-RING	1
23-32	05-962	糸緩め糸道	THREAD EYELET	1
23-33	05-963	糸緩め棒	SHAFT	1
23-34	41-519	糸緩めプレート	THREAD RELEASER	1
23-35	41-525	ブラケット	BRACKET	1
23-36	41-117	糸道 (下)	THREAD GUIDE	*
23-37	41-514	ルーバース糸道	THREAD EYELET	1
23-38	84-364	ネジ	SCREW	1
23-39	41-526	調子棒カラー	COLLAR	5-6
23-40	40-7510	チャンポンセット (強)	THREAD TENSION SET (HEAVY)	*
23-41	40-7520	チャンポンセット (弱)	THREAD TENSION SET (LIGHT)	*
23-42	41-108	チャンポン大ケース	SPRING CUP	*
23-43	41-528	チャンポン皿	TENSION DISC	*
23-44	41-531	調子棒カラー	COLLAR	*
23-45	41-532	調子棒	SCREW STUD	*

24. 上飾り糸切装置 (エア-式)

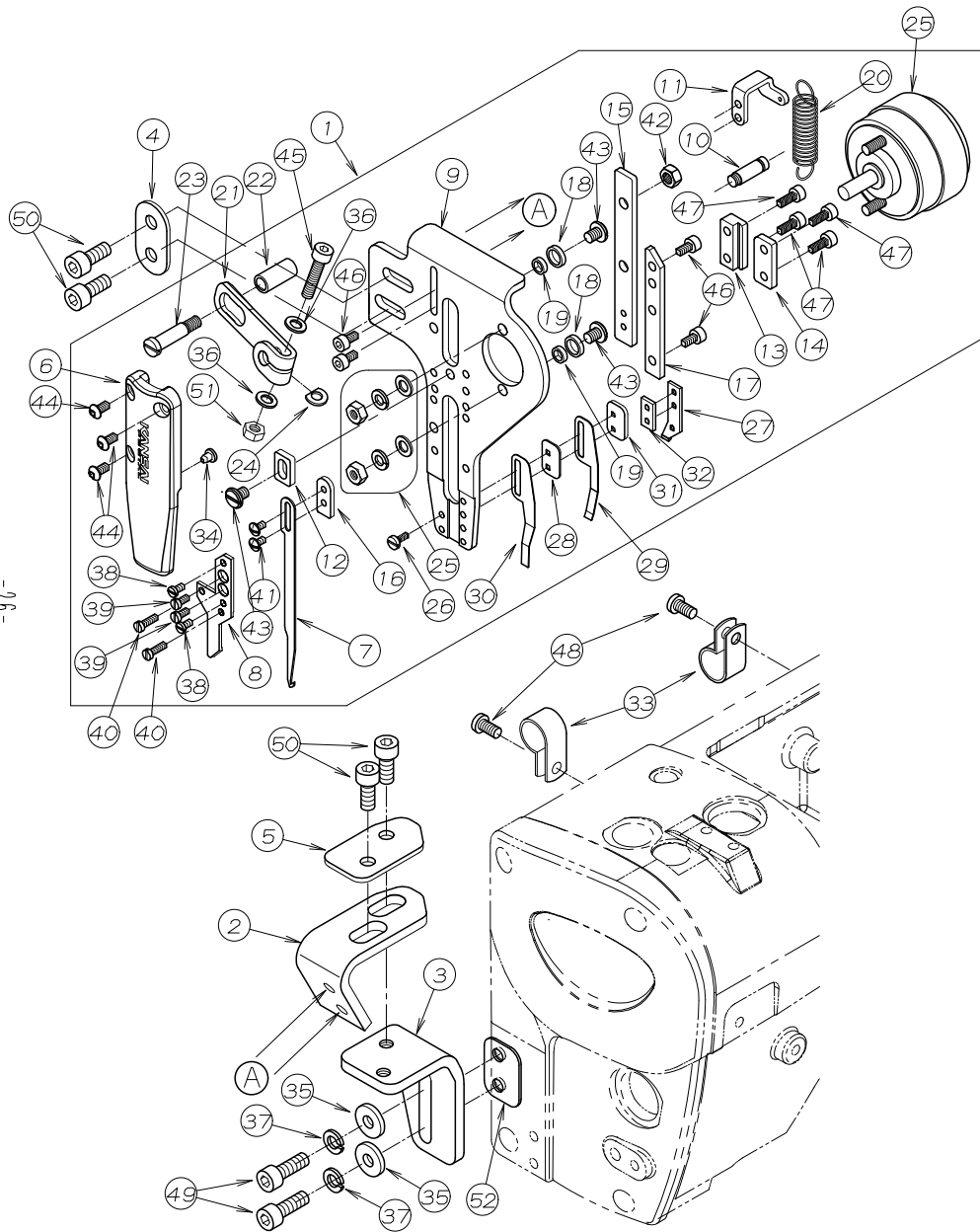
SPREADER THREAD TRIMMING MECHANISM (PNEUMATIC TYPE)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
24-01	05-271	調節金具	BRACKET	1
24-02	05-272	取付ブラケット	BRACKET	1
24-03	05-273	取付金具 (1)	BRACKET	1
24-04	05-274	取付金具 (2)	BRACKET	1
24-05	05-275	カバー	COVER	1
24-06	05-276	可動メス	TRIMMING KNIFE	1
24-07	05-277	固定メス	FIXED KNIFE	1
24-08	05-278	エア-シリンダー	AIR CYLINDER	1
24-09	05-279	取付ベースプレート	BASE PLATE	1
24-10	05-280	シリンダーブロック	CYLINDER BLOCK	1
24-11	05-281	ガイド	GUIDE	2
24-12	05-282	調節レバー	LEVER	1
24-13	05-481	スピードコントローラー	SPEED CONTROLLER	2
24-14	06-601	ネジ	SCREW	1
24-15	06-602	ハネ調節ライナー	LINER	1
24-16	06-603	メス裏ハネライナー	LINER	1
24-17	06-604	メス裏ハネ (強)	LEAF SPRING	1
24-18	06-605	メス裏ハネ (弱)	LEAF SPRING	1
24-19	06-608	裏ハネ止板	PLATE	1
24-20	06-630	ハネ調節スネークプレート	PLATE	1
24-21	23-512	クッションゴム	CUSHION RUBBER	1
24-22	75-456	ワッシャー	WASHER	2
24-23	75-526	スプリングワッシャー	SPRING WASHER	2
24-24	85-102	ネジ	SCREW	2
24-25	85-105	ネジ	SCREW	2
24-26	85-106	ネジ	SCREW	2
24-27	85-613	ネジ	SCREW	2
24-28	87-099	ネジ	SCREW	3
24-29	87-123	六角穴付きボルト	BOLT	4
24-30	87-140	六角穴付きボルト	BOLT	2
24-31	87-245	六角穴付きボルト	BOLT	2
24-32	87-252	六角穴付きボルト	BOLT	4
24-33	00-8096	上飾り糸切セット (エア-)	THREAD TRIM ASS'Y (AIR)	1
24-34	06-928	ナイロンクリップ	CLAMP	2
24-35	87-482	プラマイナベ小ねじ	SCREW	2
24-36	05-293	スベ-サー	PLATE	1

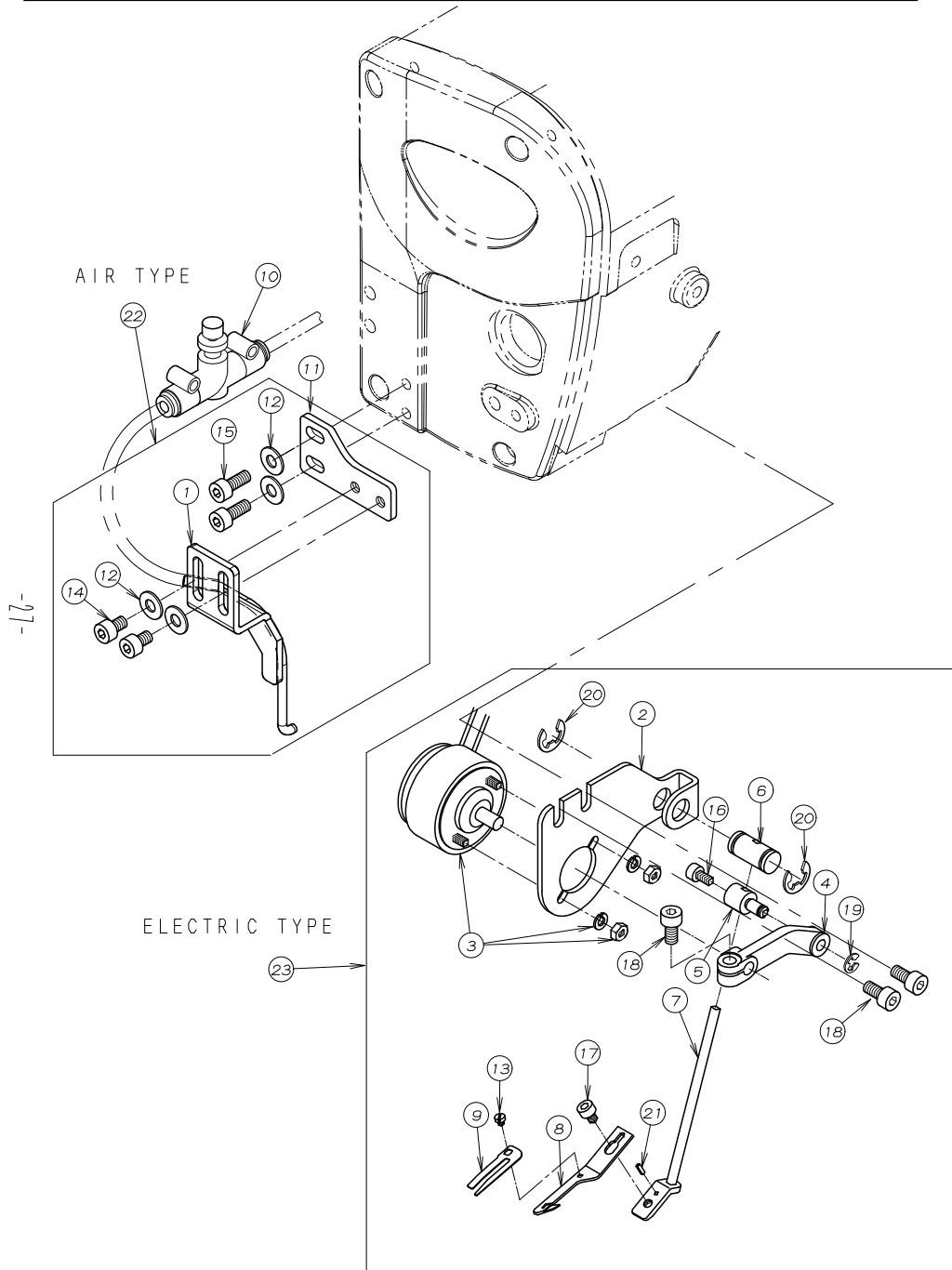
25. 上飾り糸切装置 (電気式)

SPREADER THREAD TRIMMING MECHANISM (ELECTRIC TYPE)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
25-01	00-8097	上飾り糸切セット (電気式)	THREAD TRIM ASS'Y	1
25-02	05-271	調節金具	BRACKET	1
25-03	05-272	取付ブラケット	BRACKET	1
25-04	05-273	取付金具 (1)	BRACKET	1
25-05	05-274	取付金具 (2)	BRACKET	1
25-06	05-275	カバー	COVER	1
25-07	05-276	可動メス	TRIMMING KNIFE	1
25-08	05-277	固定メス	FIXED KNIFE	1
25-09	05-283	取付ベースプレート	BASE PLATE	1
25-10	05-284	ピン	PIN	1
25-11	05-285	フック	HANGER	1
25-12	05-286	ストッパー	STOP PLATE	1
25-13	05-287	メス押えカバー (A)	COVER	1
25-14	05-288	メス押えカバー (B)	COVER	1
25-15	05-289	可動メスベース	BRACKET	1
25-16	05-290	スペーサー	PLATE	1
25-17	05-291	ガイド	GUIDE	1
25-18	05-881	カゝイトゝローラー	GUIDE ROLLER	2
25-19	05-882	カゝイトゝローラー (小)	GUIDE ROLLER	2
25-20	06-367	引張コイルハゝネ	SPRING	1
25-21	06-371	ソレノイドゝ回転レハゝ	LEVER	1
25-22	06-372	カゝイトゝローラー	GUIDE ROLLER	1
25-23	06-374	カゝイトゝローラーネジ	GUIDE SCREW	1
25-24	06-375	スハゝ	WASHER	1
25-25	06-376	ロータリーソレノイド	SOLENOID	1
25-26	06-601	ネジ	SCREW	1
25-27	06-602	ハゝネ調節ライナー	LINER	1
25-28	06-603	メス裏ハゝネライナー	LINER	1
25-29	06-604	メス裏ハゝネ (強)	LEAF SPRING	1
25-30	06-605	メス裏ハゝネ (弱)	LEAF SPRING	1
25-31	06-608	裏ハゝネ止板	PLATE	1
25-32	06-630	ハゝネ調節スハゝ	PLATE	1
25-33	06-928	ナイロンクリップ	CLAMP	2
25-34	23-512	クッションコゝム	CUSHION RUBBER	1
25-35	75-456	ワッシャ	WASHER	2
25-36	75-468	ワッシャ	WASHER	2
25-37	75-526	スフゝリンクゝワッシャ	SPRING WASHER	2
25-38	85-102	ネジ	SCREW	2
25-39	85-105	ネジ	SCREW	2
25-40	85-106	ネジ	SCREW	2
25-41	85-613	ネジ	SCREW	2
25-42	86-311	ナット	NUT	1
25-43	87-080	ネジ	SCREW	3
25-44	87-099	ネジ	SCREW	3
25-45	87-112	六角穴付きボルト	BOLT	1
25-46	87-123	六角穴付きボルト	BOLT	4
25-47	87-124	ネジ	SCREW	4
25-48	87-482	プラマイナベハゝねじ	SCREW	2
25-49	87-245	六角穴付きボルト	BOLT	2
25-50	87-252	六角穴付きボルト	BOLT	4
25-51	88-146	ナット	NUT	1
25-52	05-293	スペーサー	PLATE	1

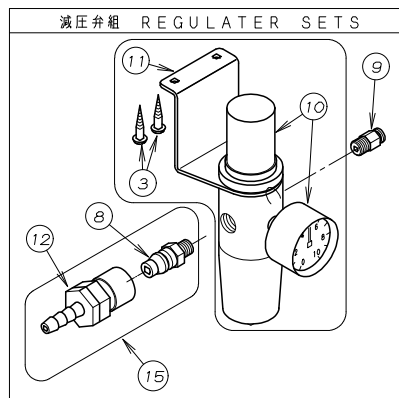
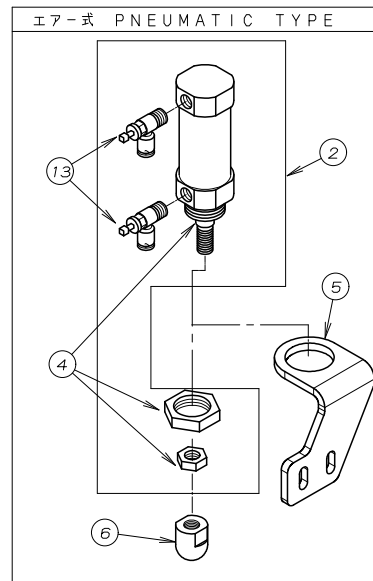
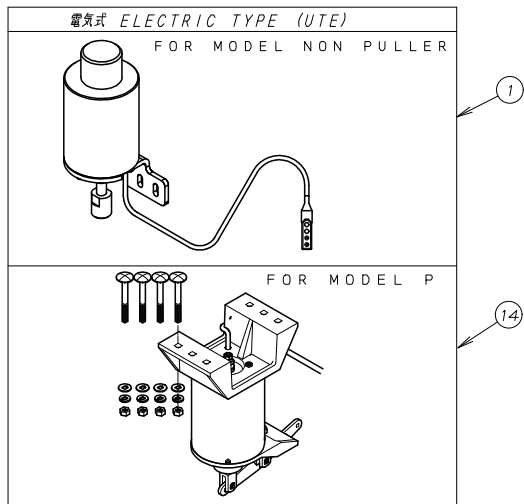
26. 上糸払い装置 THREAD WIPER MECHANISM



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
26-01	06-284	エアノズル	AIR NOZZLE	1
26-02	06-490	ソレノイド [*] 取付台	BRACKET	1
26-03	06-492	ワイハ [*] -ソレノイド [*]	SOLENOID	1
26-04	06-493	ソレノイド [*] レハ [*] -	LEVER	1
26-05	06-494	段付ヒ [*] ン	PIN	1
26-06	06-495	案内ヒ [*] ン	GUIDE PIN	1
26-07	06-496	ワイハ [*] -取付台	BRACKET	1
26-08	06-497	ワイハ [*] -	WIPER	1
26-09	06-498	糸挟みハ [*] ネ	SPRING	1
26-10	05-640	スピード [*] コントローラー	SPEED CONTROLLER	1
26-11	27-236	エアノズル取付プレート	BRACKET	1
26-12	75-455	ワッシャ	WASHER	4
26-13	87-091	ネジ [*]	SCREW	1
26-14	87-092	六角穴付きボルト	BOLT	2
26-15	87-113	六角穴付きボルト	BOLT	2
26-16	87-123	六角穴付きボルト	BOLT	1
26-17	87-142	ネジ [*]	SCREW	1
26-18	87-177	六角穴付きボルト	BOLT	3
26-19	93-201	Eリング	E-RING	1
26-20	93-213	E型止め輪	E-RING	2
26-21	93-717	スフ [*] リンク [*] ヒ [*] ン	SPRING PIN	1
26-22	00-8036	糸払い装置 (エア [*])	WIPER MECHANISM ASS'Y (AIR)	1
26-23	00-8035	糸払い装置 (電気 [*])	WIPER MECHANISM ASS'Y (ELECTRIC)	1

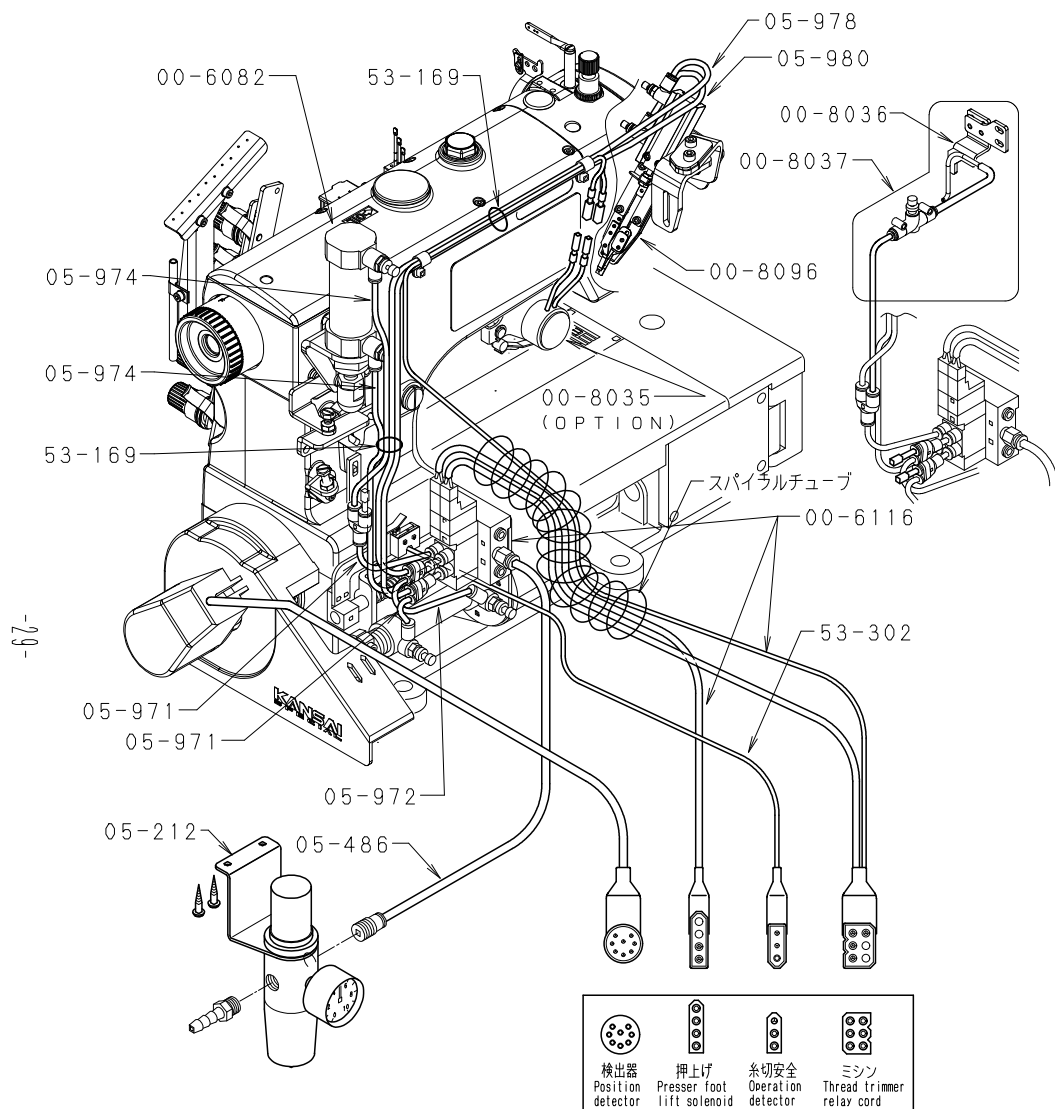
27. 押え揚げ装置, レギュレーターセット

FOOT LIFTER MECHANISM, REGULATOR SETS



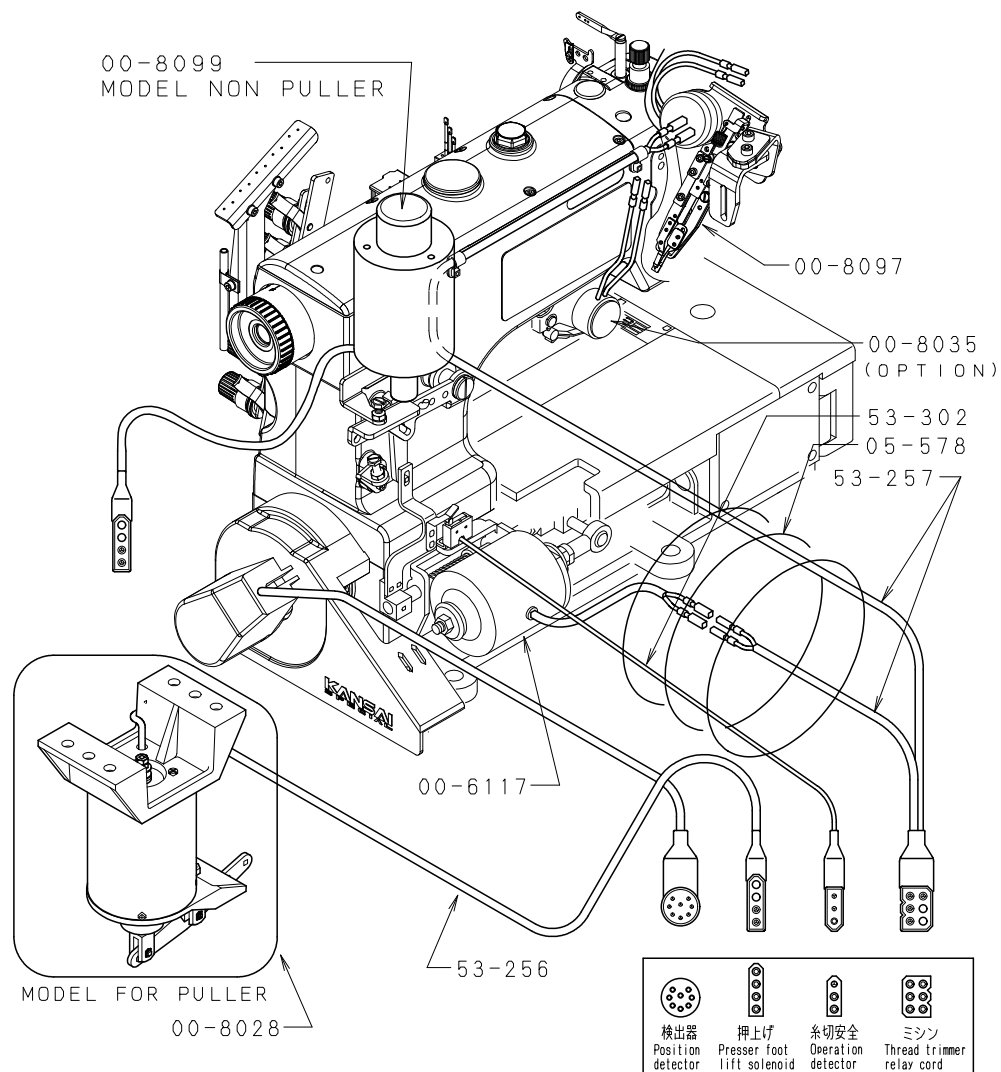
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
27-01	00-8099	電気式押え揚げ装置	FOOT LIFTER SOLENOID ASS'Y	1
27-02	00-6082	押え揚げシリンダーセット	AIR CYLINDER ASS'Y	1
27-03	87-905	木ネジ	SCREW	1
27-04	05-207	押え揚げシリンダー	AIR CYLINDER	1
27-05	77-032	シリンダーブラケット	BRACKET	1
27-06	05-897	シリンダー作動チップ	CHIP	1
27-07	05-212	フィルタレギュレーター	REGULATOR	1
27-08	06-516	カフラメス	CONNECTOR	1
27-09	05-218	六角穴付ハーフユニオン	JOINT	1
27-10	05-2120-A	フィルタレギュレーター	REGULATOR	1
27-11	05-2120-B	取り付けブラケット	BRACKET	1
27-12	06-517	カフラオス	CONNECTOR	1
27-13	06-580	スピードコントローラー	SPEED CONTROLER	2
27-14	00-8028	UT電気式押え揚げ装置	FOOT LIFTER SOLENOID ASS'Y	1
27-15	06-5160-2	カフラオスメスセット	COUPLER ASS'Y	1

28-1. 配管, 配線図 (エア式) WIRING AND PIPING (PNEUMATIC TYPE)



PART NO.	品名	description
00-8096	上糸糸切装置 (エア式)	spreader thread trimming mechanism (AIR TYPE)
00-8036	上糸払い装置 (エア式)	thread wiper mechanism ass'y (air)
00-6082	押揚シリンダーセット	presser foot lifter cylinder ass'y
00-6116	UT空圧装置	air cylinder assembly (UTA)
05-212	レギュレータ	regulator
00-8035	上糸払い装置 (電気)	thread wiper mechanism ass'y (electric)

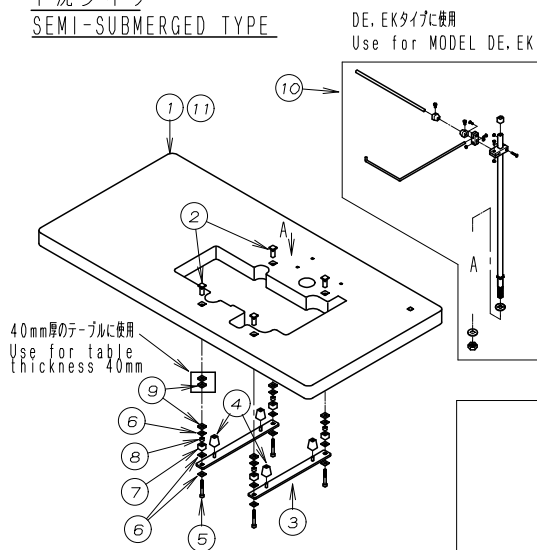
28-2. 配線図 (電気式) CORD CONNECTION (ELECTRIC TYPE)



PART NO.	品名	description
00-8097	上糸糸切装置	spreader thread trimming mechanism
00-8099	UT電気式押揚げ装置	presser foot lifter solenoid ass'y (FOR NON PULLER)
00-8028	UT電気式押揚げ装置	presser foot lifter solenoid ass'y (FOR PULLER)
00-6117	UT電気式下糸切装置	solenoid assembly (UTE)
00-8035	上糸払い装置	thread wiper mechanism ass'y (electric)
53-257	中継コード	relay cord

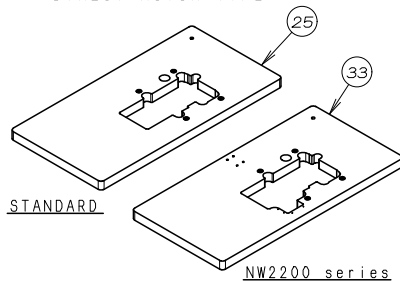
29. テーブル関係 TABLE

半沈タイプ SEMI-SUBMERGED TYPE

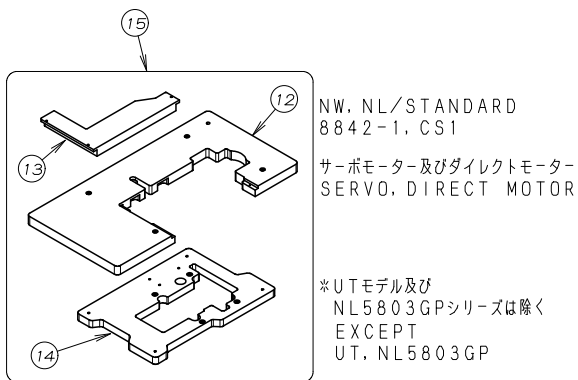


半沈タイプダイレクトモーター用

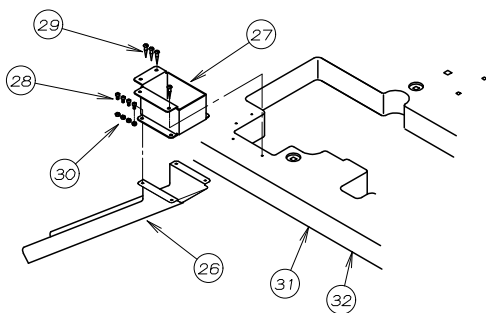
SEMI-SUBMERGED TYPE DIRECT MOTOR TYPE



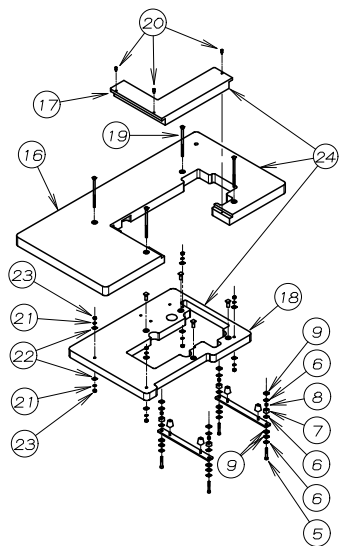
NW, NL全沈タイプ FULLY-SUBMERGED TYPE



GC, GPC, EKタイプに使用 Use for MODEL GC, GPC

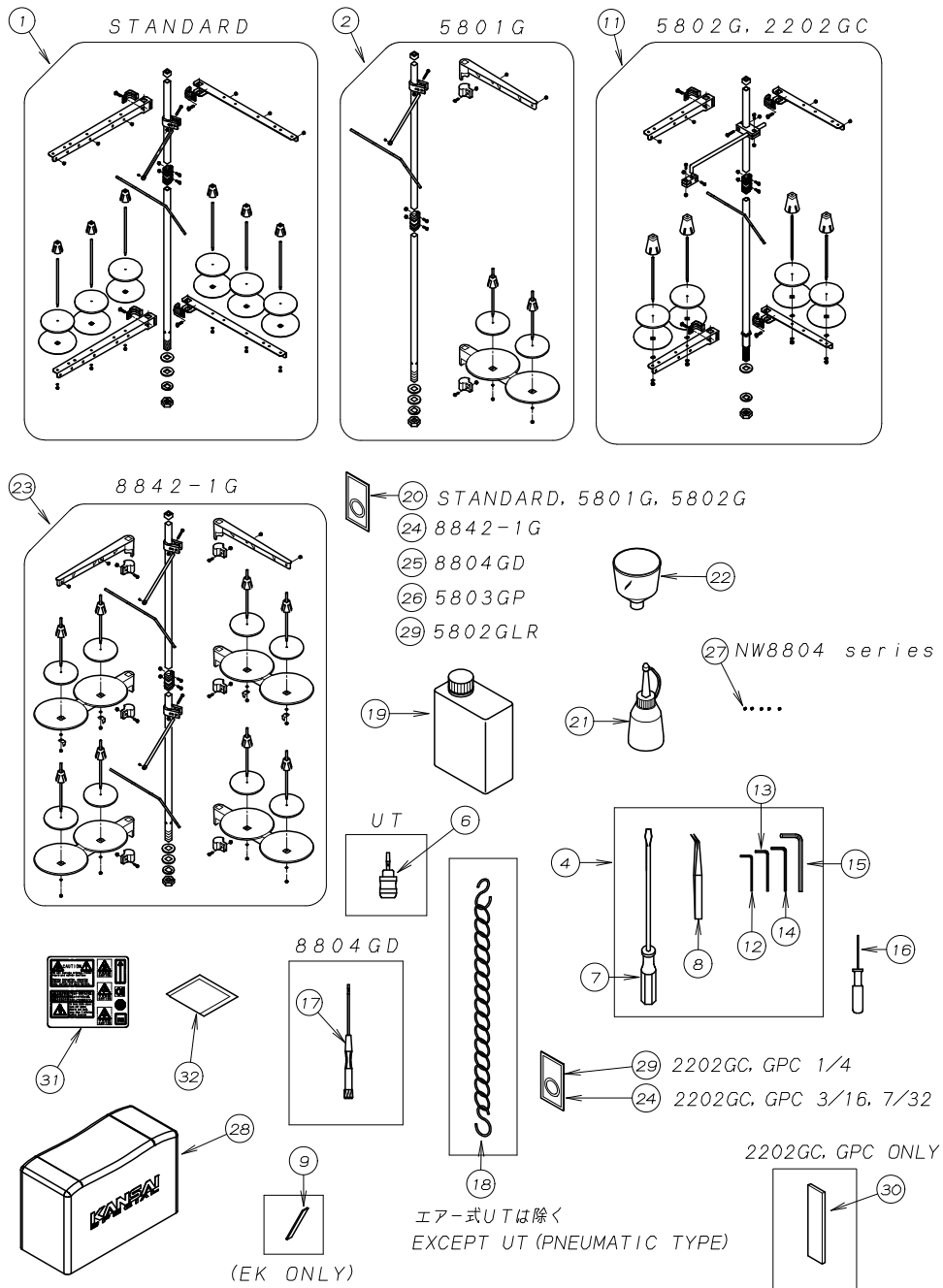


NL5803GP全沈タイプ FULLY-SUBMERGED TYPE



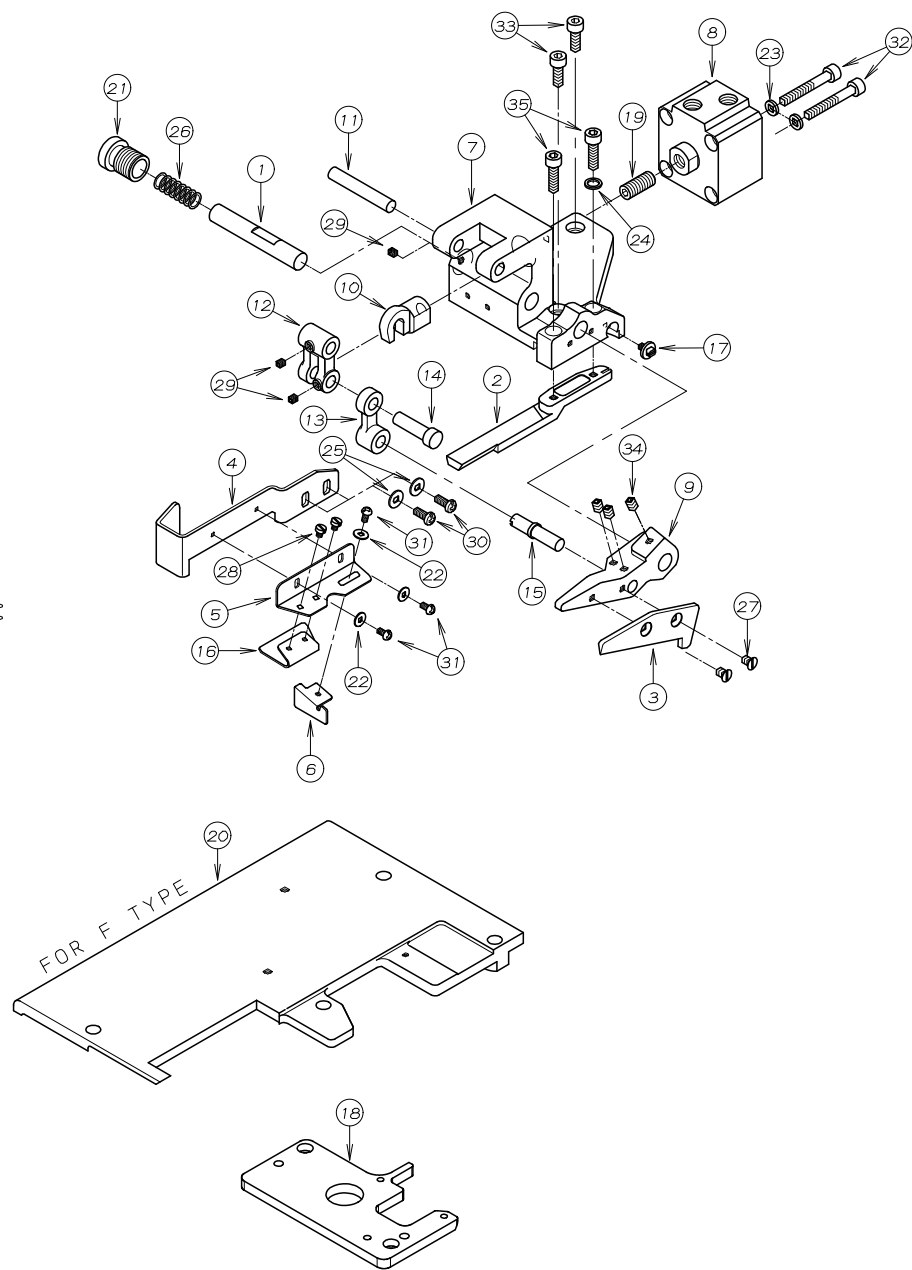
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
29-01	21-668	テーブル	TABLE	1
29-02	42-503	本体据付ナット	NUT	4
29-03	25-524	タンク取付金具	SUPPORTING BOARD	2
29-04	23-509	クッションゴム	CUSHION RUBBER	4
29-05	87-281	六角穴付ボルト	BOLT	4
29-06	75-535	ワッシャ	WASHER	12
29-07	42-508	防振ゴム	SWING PROOF RUBBER	4
29-08	42-509	防振ゴムカラー	SWING PROOF RUBBER COLLAR	4
29-09	42-507	スペーサー	SPACER	12
29-10	20-6050-0	テープ立て(細)	TAPE STAND ASSEMBLY	1
29-11	21-013	テーブル(DE用)	TABLE (FOR DE TYPE)	1
29-12	NW-882	テーブル(上)	TABLE (UPPER)	1
29-13	NW-883	テーブル(前)	TABLE (FRONT)	1
29-14	NW-884	テーブル(下)	TABLE (UNDER)	1
29-15	NW-885	テーブルセット	TABLE ASS'Y	1
29-16	27-626	テーブル(上)	TABLE (UPPER)	1
29-17	27-627	テーブル(前)	TABLE (FRONT)	1
29-18	27-628	テーブル(下)	TABLE (UNDER)	1
29-19	42-510	根角ボルト	SCREW	4
29-20	42-511	ピン	PIN	3
29-21	75-225	スプリングワッシャ	SPRING WASHER	8
29-22	75-535	ワッシャ	WASHER	8
29-23	88-176	ナット	NUT	8
29-24	27-6260-1	テーブル全沈式セット	TABLE ASS'Y	1
29-25	27-342	半沈テーブルダイレクトモーター用	SEMI SUBMERGED TABLE DIRECT MOTOR	1
29-26	28-701	シューター	CHUTE	1
29-27	28-702	シューター取付台	BRACKET	1
29-28	87-177	ネジ	SCREW	4
29-29	87-905	木ネジ	SCREW	4
29-30	88-146	ナット	NUT	4
29-31	21-028	テーブル(EK)	TABLE	1
29-32	21-068	テーブル(GC, GPC)	TABLE	1
29-33	27-348	半沈テーブル(DD用)	SEMI SUBMERGED TABLE DIRECT MOTOR	1

30. 糸立て及びアクセサリ関係 THREAD STAND AND ACCESSORIES



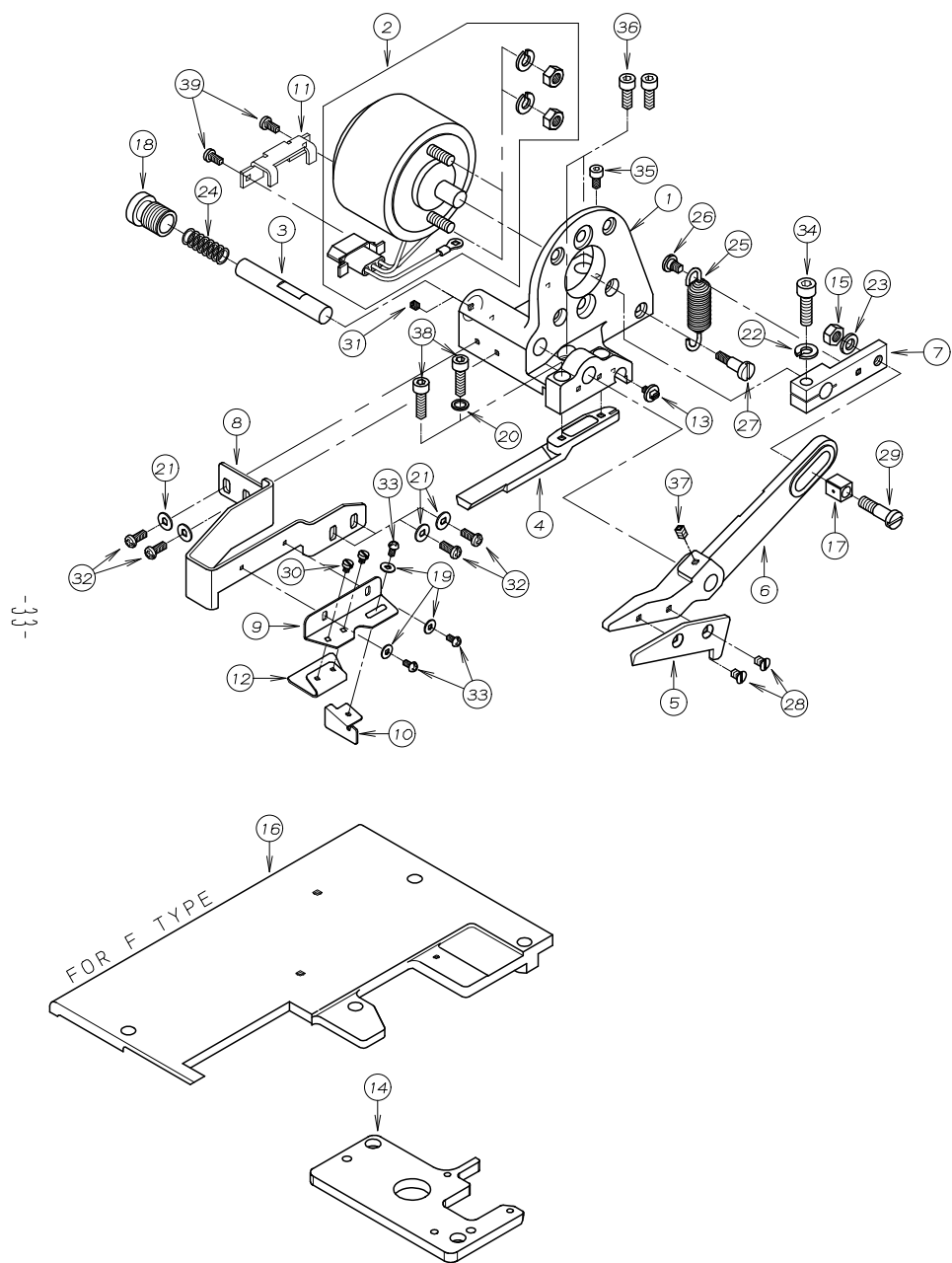
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
30-01	42-706	6本糸立	THREAD STAND ASSEMBLY (6)	1
30-02	42-712	2本糸立	THREAD STAND ASSEMBLY (2)	1
30-03				
30-04	20-0010	附属部品ケース	ACCESSORIES	1
30-05				
30-06	28-454	ドライバ - (小)	DRIVER (SMALL)	1
30-07	28-452	ドライバ - (大)	DRIVER (LARGE)	1
30-08	28-011	ピンセット	TWEZERS	1
30-09	07-522	下メス	LOWER KNIFE	1
30-10				
30-11	42-704	4本糸立セット	THREAD STAND ASSEMBLY (4)	1
30-12	28-311	六角レンチ 2mm	ALLEN KEY (2mm)	1
30-13	28-312	六角レンチ 2.5mm	ALLEN KEY (2.5mm)	1
30-14	28-313	六角レンチ 3mm	ALLEN KEY (3mm)	1
30-15	28-314	六角レンチ 5mm	ALLEN KEY (5mm)	1
30-16	28-317	グリップ付六角レンチ 1.5mm	ALLEN KEY (1.5mm)	1
30-17	28-318	精密マイナストライバ-2.5mm	SCREWDRIVER	1
30-18	28-920	運動クサリ	CHAIN	1
30-19	28-613	マシン潤滑油	OIL	1
30-20	13-0110-6	針 UY×128GAS #11	NEEDLE	1
30-21	28-614	油差し	OILER	1
30-22	28-615	ジョウゴ	OIL FUNNEL	1
30-23	42-708	8本糸立	THREAD STAND ASSEMBLY (8)	1
30-24	13-0140-6	針 UY×128GAS #14	NEEDLE	1
30-25	13-3020-5	針 SM1014H #10S	NEEDLE	1
30-26	13-1480-5	針 TV×5 #18	NEEDLE	1
30-27	85-603	ネジ	SCREW	5
30-28	28-557	ミシンカバー	COVER	1
30-29	13-0160-6	針 UY×128GAS #16	NEEDLE	1
30-30	07-432	固定メス	LOWER KNIFE	1
30-31	20-6200	警告ラベルシール	INFORMATION SEAL	1
30-32	28-610	気化性防錆剤	CORROSION INHIBITOR	1

31. テープ°カッター装置 (エア°式) TAPE CUTTER MECHANISM (PNEUMATIC TYPE)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
31-01	08-003	上メスシャフト	SHAFT	1
31-02	08-004	下メス	LOWER KNIFE	1
31-03	08-005	上メス	UPPER KNIFE	1
31-04	08-009	安全カバー	SAFETY COVER	1
31-05	08-011	布カ°イト° (大)	FABRIC GUIDE (LARGE)	1
31-06	08-012	布カ°イト° (小)	FABRIC GUIDE (SMALL)	1
31-07	08-014W	シリンダ°-取付フ°ラケット	BRACKET	1
31-08	08-015	エア°シリンダ°	AIR CYLINDER	1
31-09	08-017W	上メスレハ°	LEVER	1
31-10	08-018	フック	KNUCKLE	1
31-11	08-019	リンクシャフト	SHAFT	1
31-12	08-020	連結リンク	LINK	1
31-13	08-021	連結レハ°	LEVER	1
31-14	08-022	リンクピン	LINK PIN	1
31-15	08-023	偏心ピン	ADJUSTING PIN	1
31-16	08-031	テープ°案内板	FABRIC GUIDE	1
31-17	08-041	ネジ°	SCREW	1
31-18	14-148	針板土台	NEEDLE PLATE SUPPORT BRACKET	1
31-19	87-313	ネジ°	SCREW	1
31-20	27-023W	F用上へ°スカー°	CLOTH PLATE	1
31-21	52-182	メス押しネジ°	SCREW	1
31-22	75-224	ワッシャ	WASHER	3
31-23	75-339	ワッシャ	WASHER	2
31-24	75-370	ワッシャ	WASHER	1
31-25	75-455	ワッシャ	WASHER	2
31-26	79-171	圧縮ハ°ネ	SPRING	1
31-27	84-661	ネジ°	SCREW	2
31-28	87-095	ネジ°	SCREW	2
31-29	87-106	ネジ°	SCREW	3
31-30	87-483	プラマイナベ小ねじ	SCREW	2
31-31	87-477	プラマイナベ小ねじ	SCREW	3
31-32	87-189	六角穴付きボルト	BOLT	2
31-33	87-224	六角穴付きボルト	BOLT	2
31-34	87-254	ネジ°	SCREW	3
31-35	87-291	六角穴付きボルト	BOLT	2

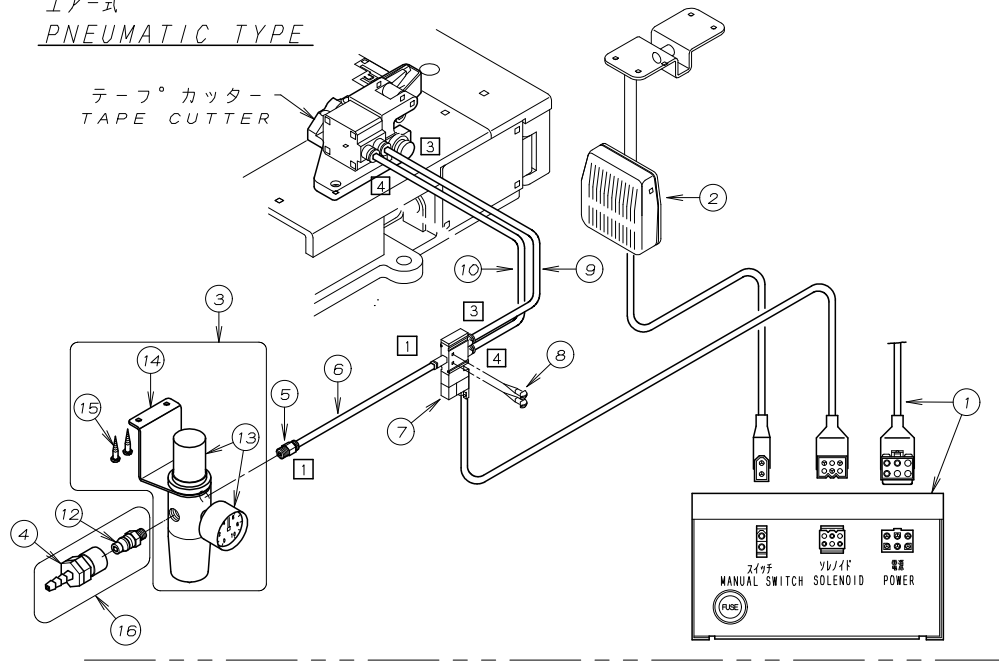
32. テープ° カッター装置 (電気式) TAPE CUTTER MECHANISM (ELECTRIC TYPE)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
32-01	08-001W	ソレノイド° 取付フ° ラケット	BRACKET	1
32-02	08-002	ロータリーソレノイド°	SOLENOID	1
32-03	08-003	上メスシャフト	SHAFT	1
32-04	08-004	下メス	LOWER KNIFE	1
32-05	08-005	上メス	UPPER KNIFE	1
32-06	08-006W	上メスレハ°	LEVER	1
32-07	08-008	駆動レハ°	CONNECTING LEVER	1
32-08	08-010	安全カバー°	SAFETY COVER	1
32-09	08-011	布カ° イト° (大)	FABRIC GUIDE (LARGE)	1
32-10	08-012	布カ° イト° (小)	FABRIC GUIDE (SMALL)	1
32-11	08-013	フ° ラケット	BRACKET	1
32-12	08-031	テープ° 案内板	FABRIC GUIDE	1
32-13	08-041	ネジ°	SCREW	1
32-14	14-148	針板土台	NEEDLE PLATE SUPPORT BRACKET	1
32-15	88-166	ナット	NUT	1
32-16	27-023W	F用上° - スカハ°	CLOTH PLATE	1
32-17	51-835	角コ° マ(後)	BLOCK (REAR)	1
32-18	52-182	メス押シネジ°	SCREW	1
32-19	75-224	ワッシャ	WASHER	3
32-20	75-370	ワッシャ	WASHER	1
32-21	75-455	ワッシャ	WASHER	4
32-22	75-527	スフ° リング° ワッシャ	SPRING WASHER	1
32-23	75-552	ワッシャ	WASHER	1
32-24	79-171	圧縮ハ° ネ	SPRING	1
32-25	79-309	引張コイルハ° ネ	SPRING	1
32-26	84-581	段ネジ°	SCREW	1
32-27	84-583	ネジ°	SCREW	1
32-28	84-661	ネジ°	SCREW	2
32-29	87-070	平頭付段ネジ°	SCREW	1
32-30	87-095	ネジ°	SCREW	2
32-31	87-106	ネジ°	SCREW	1
32-32	87-483	プラマイナベ小ねじ	SCREW	4
32-33	87-477	プラマイナベ小ねじ	SCREW	3
32-34	87-173	六角穴付きボルト	BOLT	1
32-35	87-177	六角穴付きボルト	BOLT	1
32-36	87-224	六角穴付きボルト	BOLT	2
32-37	87-254	ネジ°	SCREW	1
32-38	87-291	六角穴付きボルト	BOLT	2
32-39	87-482	プラマイナベ小ねじ	SCREW	2

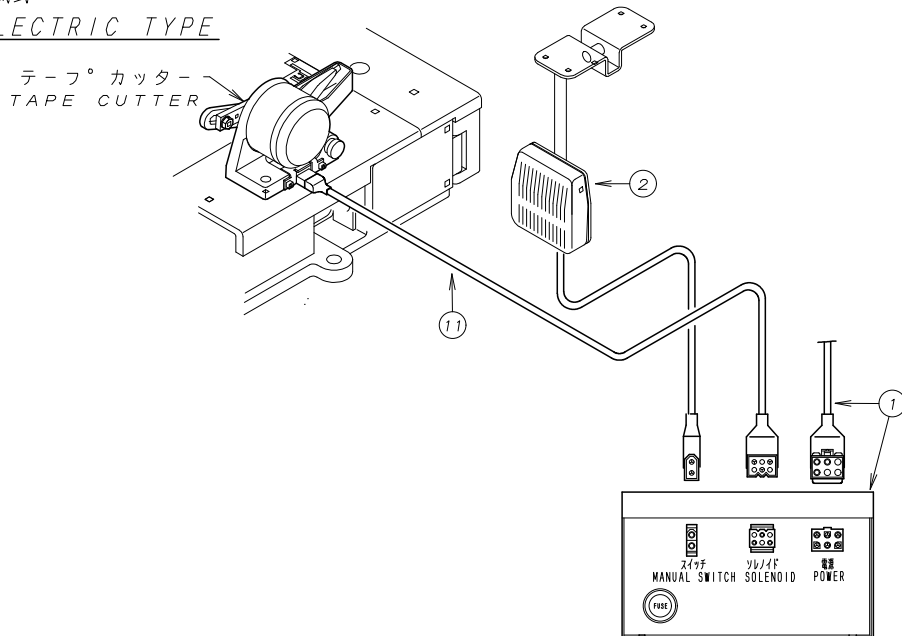
3.3. 配管, 配線図 WIRING AND PIPING

エア式
PNEUMATIC TYPE

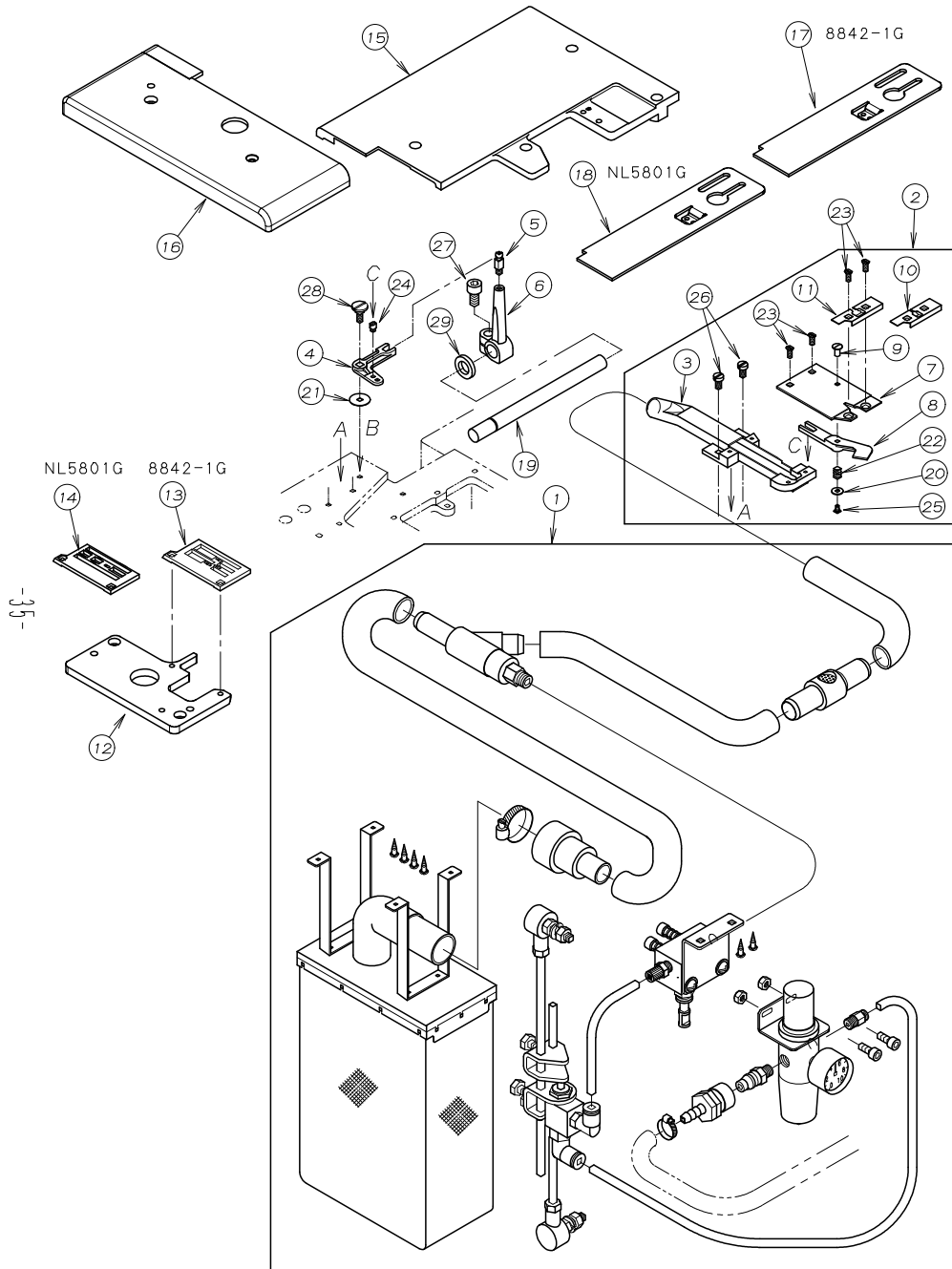


REF. NO.	PART NO.	品 名	DESCRIPTION	Q' TY
33-01	53-285	コントロールボックス	CONTROL BOX	1
33-02	53-286	膝スイッチ	KNEE SWITCH	1
33-03	05-212	フィルタレキレータ	REGULATOR	1
33-04	06-517	カフ°ラオス	CONNECTOR	1
33-05	05-218	六角穴付ハーフユニオン	JOINT	1
33-06	05-486	チューブ°φ6×1000mm	TUBEφ6×1000mm	1
33-07	05-036	電磁弁セット	SOLENOID VALVE ASSEMBLY	1
33-08	87-900	十字穴付丸木ネジ°	SCREW	2
33-09	05-571	チューブ°φ6×1000mm	TUBEφ6×1000mm	1
33-10	05-572	チューブ°φ6×1000mm	TUBEφ6×1000mm	1
33-11	53-287	中継コード°(ソレノイド°用)	RELAY CORD (SOLENOID)	1
33-12	06-516	カフ°ラメス	CONNECTOR	1
33-13	05-2120-A	フィルタレキ°ュレータ°	REGULATOR	1
33-14	05-2120-B	取り付けブラケット	BRACKET	1
33-15	87-905	木ネジ	SCREW	2
33-16	06-5160-2	カフ°ラオス°メス°セット	COUPLER ASS' Y	1

電気式
ELECTRIC TYPE

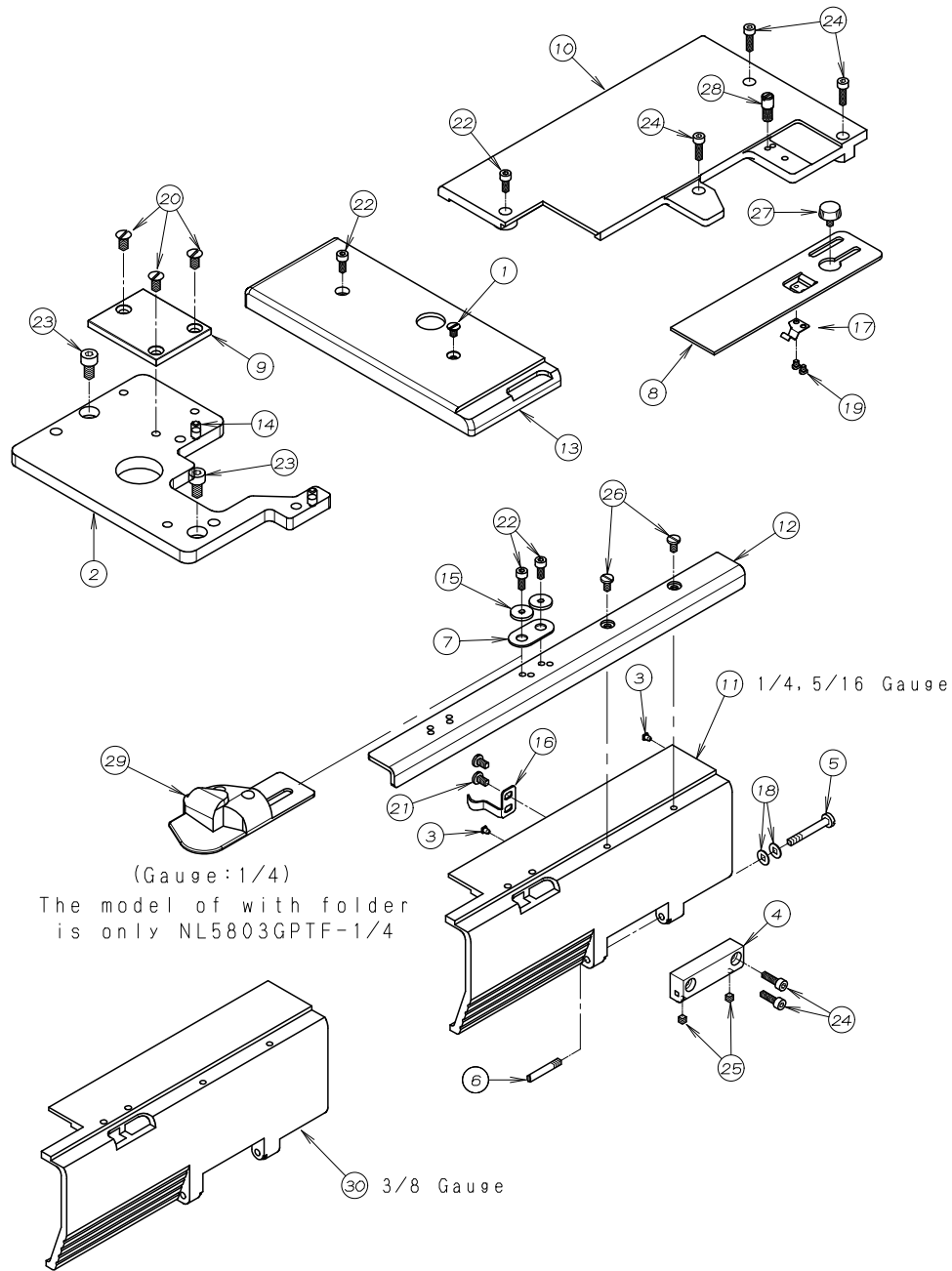


34. チェーンカッター機構 CHAIN CUTTER MECHANISM (CS-1)



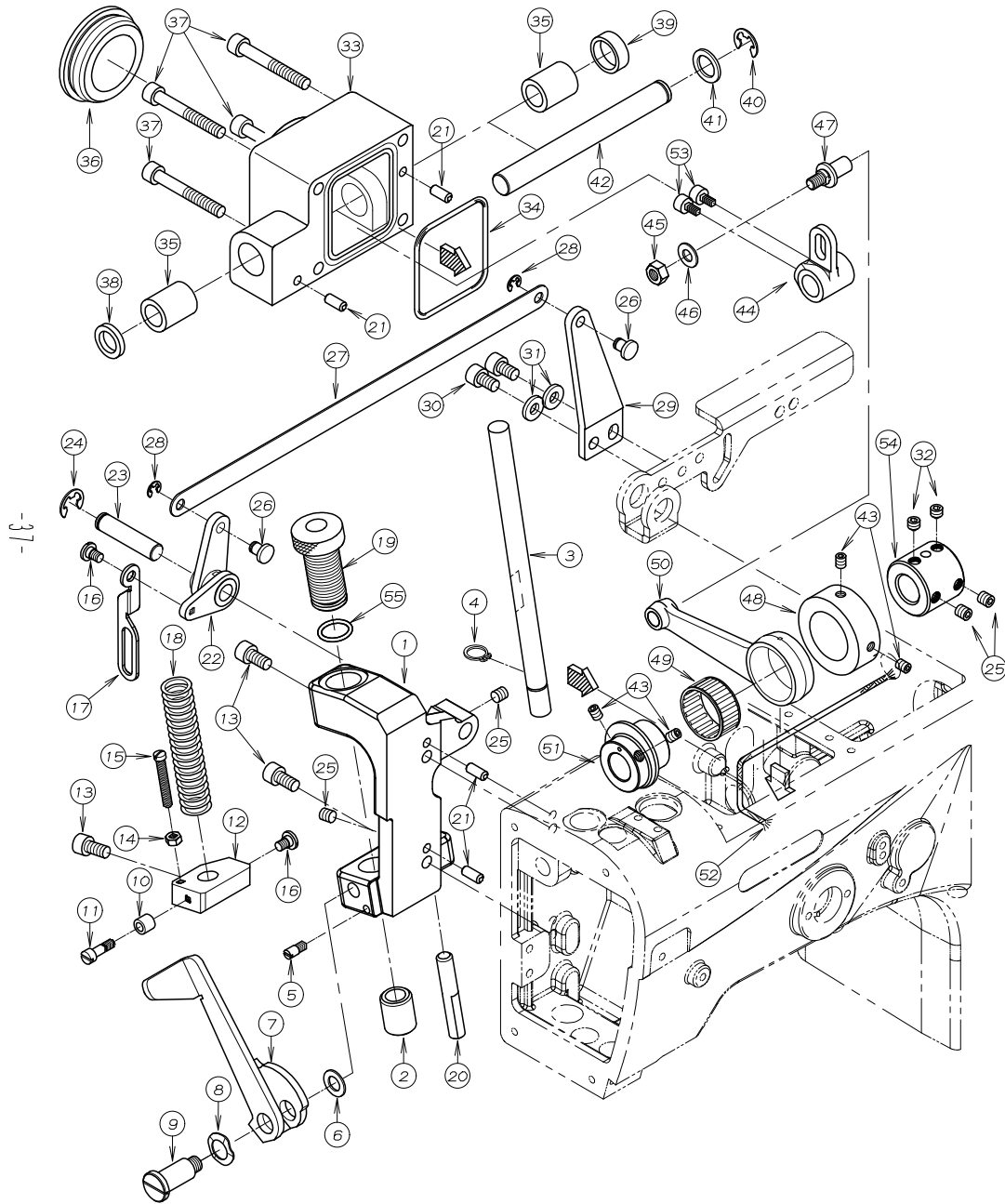
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
34-01	00-8019	集塵装置	VENTURI DEVICE FOR CS-1	1
34-02	00-8021	チェーンカッターセット	CS-1 ASS'Y	1
34-03	08-051	吸込み管	SUCTION PIPE	1
34-04	08-052	可動メスリンク	LINK	1
34-05	08-053	ヒーション玉	JOINT	1
34-06	08-054	可動メス駆動レバー	LEVER	1
34-07	08-055	固定メス	KNIFE	1
34-08	08-056	可動メス	TRIMMING KNIFE	1
34-09	08-057	可動メス支点ヒーション	PIN	1
34-10	08-058	案内板 (小)	CHAIN-OFF GUIDE COVER (S)	1
34-11	08-059	案内板 (大)	CHAIN-OFF GUIDE COVER (L)	1
34-12	14-148	針板土台	NEEDLE PLATE SUPPORT BRACKET	1
34-13	14-794	針板	NEEDLE PLATE	1
34-14	14-795	針板	NEEDLE PLATE	1
34-15	27-133W	上ヘースカハ	CLOTH PLATE	1
34-16	27-359W	サイド上ヘースカハ	SIDE COVER	1
34-17	27-365	前ベースカバー	FRONT BASE COVER	1
34-18	27-366	前ベースカバー	FRONT BASE COVER	1
34-19	71-222	送り土台シャフト	SHAFT	1
34-20	75-224	ワッシャ	WASHER	1
34-21	75-343	平座金	WASHER	1
34-22	79-310	可動メス押しハネ	SPRING	1
34-23	84-192	ネジ	SCREW	4
34-24	84-337	段ネジ	SCREW	1
34-25	85-613	ネジ	SCREW	1
34-26	87-096	ネジ	SCREW	2
34-27	87-225	六角穴付きボルト	BOLT	1
34-28	87-462	平頭付段ネジ	SCREW	1
34-29	94-222	オイルシール	OIL SEAL	1

35. NL5803GP 専用フレーム関係
 MODEL NL5803GP FRAME ASSMBLY



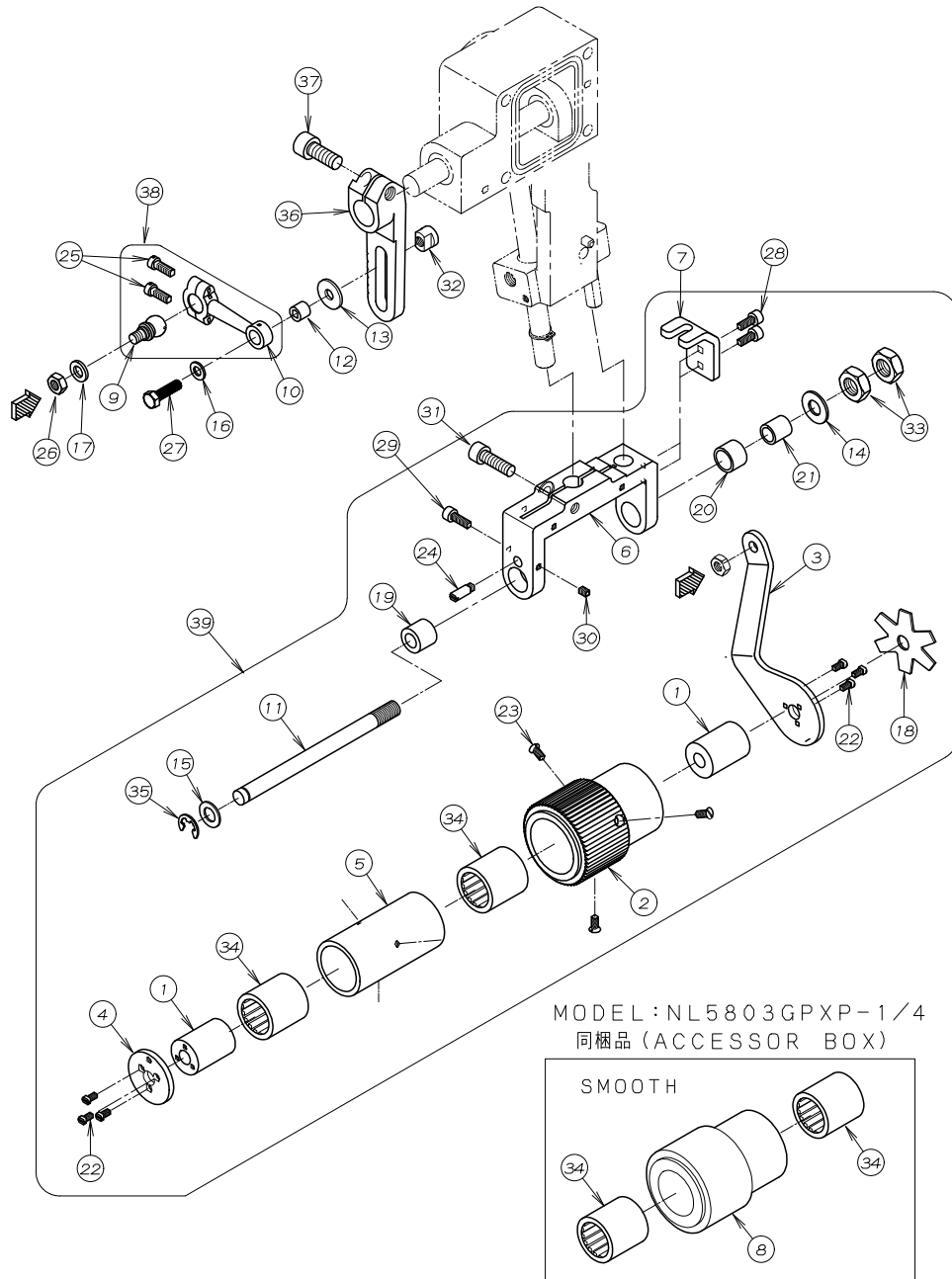
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
35-01	05-074	ネジ	SCREW	1
35-02	14-149	針板土台	NEEDLE PLATE BRACKET	1
35-03	23-512	クッションゴム	CUSHION RUBBER	2
35-04	25-516W	定規台ヒンジ	HINGE	1
35-05	25-517	ヒンジネジ	SCREW	1
35-06	25-527	カハヒンジネジ	SCREW	1
35-07	26-822	ラッパ取付金具	PLATE	1
35-08	27-167	前ベースカバー	FRONT BASE COVER	1
35-09	27-255	プーラー台プレート	PLATE	1
35-10	27-256W	上ベースカバー	UPPER COVER	1
35-11	27-257W	前カバー	FRONT COVER	1
35-12	27-258	ホルダー取付プレート	PLATE	1
35-13	27-360	サイド上ベースカバー	SIDE CLOTH COVER	1
35-14	71-257	ロックピン	PIN	2
35-15	75-508	ワッシャ	WASHER	2
35-16	79-530	前カバー止めハネ	SPRING	1
35-17	79-804	ハネ	SPRING	1
35-18	79-922	皿ハネ	SPRING	2
35-19	84-167	ネジ	SCREW	2
35-20	84-464	ネジ	SCREW	3
35-21	84-574	ネジ	SCREW	2
35-22	87-113	六角穴付きボルト	BOLT	4
35-23	87-177	六角穴付きボルト	BOLT	2
35-24	87-214	六角穴付きボルト	BOLT	5
35-25	87-274	ネジ	SCREW	2
35-26	87-288	ネジ	SCREW	2
35-27	87-292	調節ネジ	SCREW	1
35-28	87-459	段ネジ	SCREW	1
35-29	97-5116-4	フォルダ - 6.4mm	FOLDER	1
35-30	27-368	前カバー	FRONT COVER	1

36. NL5803GP 後プーラー機構 (1)
 REAR PULLER MECHANISM (1)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
36-01	02-225W	後プーラーブ ラケット	REAR PULLER BRACKET	1
36-02	81-133	ブ ッシュ	BUSHING	1
36-03	71-464	後プーラー立シャフト	SHAFT	1
36-04	93-261	Eリング	E-RING	1
36-05	84-562	段ネジ	SCREW	1
36-06	75-519	ワッシャ	WASHER	1
36-07	02-216	手揚用金具	PULLER LIFTING LEVER	1
36-08	02-112	波ワッシャ	CORRUGATED WASHER	1
36-09	85-671	ネジ	SCREW	1
36-10	75-211	カラー	COLLAR	1
36-11	84-582	ネジ	SCREW	1
36-12	02-217	後プーラー立シャフト抱き	BRACKET	1
36-13	87-225	ネジ	SCREW	3
36-14	86-311	ナット	NUT	1
36-15	84-569	ネジ	SCREW	1
36-16	84-581	ネジ	SCREW	2
36-17	02-659	後プーラー抱き連結プレート	CONNECTING PLATE	1
36-18	79-640	バネ	SPRING	1
36-19	87-759	筒ネジ	SCREW	1
36-20	71-729	プーラー回り止メピン	GUIDE PIN	1
36-21	71-208	ノックピン	PIN	4
36-22	02-219	後プーラー揚レバー	LEVER	1
36-23	71-726	シャフト	SHAFT	1
36-24	93-222	Eリング	E-RING	1
36-25	87-172	ネジ	SCREW	4
36-26	77-419	押揚連結ピン	PIN	2
36-27	77-037	押揚連結板	PLATE	1
36-28	93-205	Eリング	E-RING	2
36-29	77-421	押揚レバー	LEVER	1
36-30	87-203	ネジ	SCREW	2
36-31	75-458	ワッシャ	WASHER	2
36-32	87-259	ネジ	SCREW	2
36-33	02-220W	上プーラー軸ケース	BRACKET	1
36-34	23-542	Oリング	O-RING	1
36-35	81-559	上プーラー軸ブ ッシュ	BUSHING	2
36-36	23-541	ゴム栓	PLUG	1
36-37	87-186	ネジ	SCREW	4
36-38	94-502	オイルシール	OIL SEAL	1
36-39	94-506	シールキャップ	PLUG	1
36-40	93-223	Eリング	E-RING	1
36-41	75-187	ワッシャ	WASHER	1
36-42	71-727	上プーラー駆動軸	SHAFT	1
36-43	87-254	ネジ	SCREW	4
36-44	67-528	上プーラー振りレバー	LEVER	1
36-45	88-166	ナット	NUT	1
36-46	75-452	ワッシャ	WASHER	1
36-47	04-502	調節レバーピン	PIN	1
36-48	75-272	スラストカラー	COLLAR	1
36-49	91-413	ニードルベアリング	NEEDLE BEARING	1
36-50	63-535	プーラークランクロッド	CRANK ROD	1
36-51	61-551	プーラーエキセン	ECCENTRIC	1
36-52	23-556	フェルト	FELT	1
36-53	87-024	六角穴付ボルト	BOLT	2
36-54	75-273	上軸ジョイント (P用)	JOINT COLLAR (for P model)	1
36-55	23-289	Oリング	O-RING	1

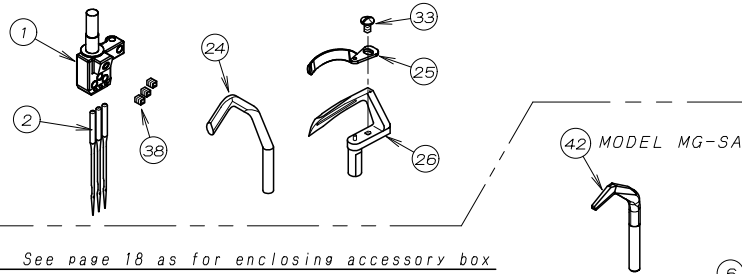
37. NL5803GP 後フ°-ラー機構 (2)
 REAR PULLER MECHANISM (2)



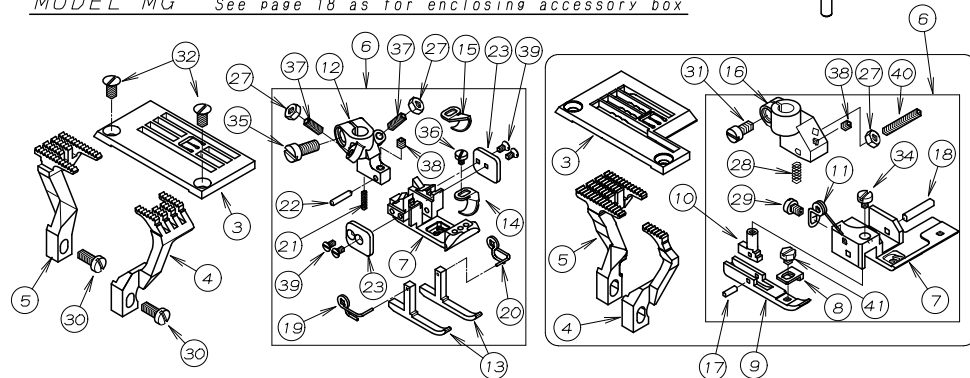
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
37-01	01-115	スリーブ	SLEEVE	2
37-02	02-016	後プ°ラー上ギア (59山)	REAR PULLER GEAR	1
37-03	02-017	後プ°ラー連結板	CONNECTING PLATE	1
37-04	02-117	後フ°ラーハ°イフ°フタ	PLATE	1
37-05	02-123	ワンウェイラッチ用ハウジング (中)	CLUTCH HOUSING	1
37-06	02-158	後フ°ラー台	REAR PULLER HOLDER	1
37-07	02-250	回り止フ°ラケット	BRACKET	1
37-08	02-497	スムーズ	SMOOTH PULLER	1
37-09	61-810	フ°ラー連結ロッド玉	CONNECTING ROD BALL	1
37-10	63-809	プ°ラー連結ロッド	BALL JOINT	1
37-11	71-444	後フ°ラー台シャフト (中)	SHAFT	1
37-12	75-247	連結メカ°ネローラー	ROLLER	1
37-13	75-407	ワッシャ	WASHER	1
37-14	75-451	ワッシャ	WASHER	1
37-15	75-519	ワッシャ	WASHER	1
37-16	75-520	ワッシャ	WASHER	1
37-17	75-552	ワッシャ	WASHER	1
37-18	79-551	フ°ラー板ハ°ネ	PULLER PLATE SPRING	1
37-19	81-321	ブッシュ	BUSHING	1
37-20	81-322	ブッシュ	BUSHING	1
37-21	81-323	ブッシュ	BUSHING	1
37-22	84-162	ネジ	SCREW	6
37-23	84-462	ネジ	SCREW	3
37-24	84-573	段ネジ	SCREW	1
37-25	84-635	ネジ	SCREW	2
37-26	86-411	ナット	NUT	1
37-27	87-015	ネジ	SCREW	1
37-28	87-113	六角穴付きボルト	BOLT	2
37-29	87-129	六角穴付きボルト	BOLT	1
37-30	87-181	ネジ	SCREW	1
37-31	87-173	六角穴付きボルト	BOLT	1
37-32	88-005	ナット	NUT	1
37-33	88-179	ナット	NUT	2
37-34	91-407	ワンウェイラッチ	BEARING	4
37-35	93-221	ストップ°リンク	E-RING	1
37-36	67-529	上プ°ラー駆動レバ°	LEVER	1
37-37	87-171	六角穴付きボルト	BOLT	1
37-38	60-8090	フ°ラー連結ロッドセット	CONNECTING ROD ASS'Y	1
37-39	00-5284	59山プ°ラーセット	59TEETH REAR PULLER ASS'Y	1

38. ゲージ関係 (1) GAUGE PARTS (1)

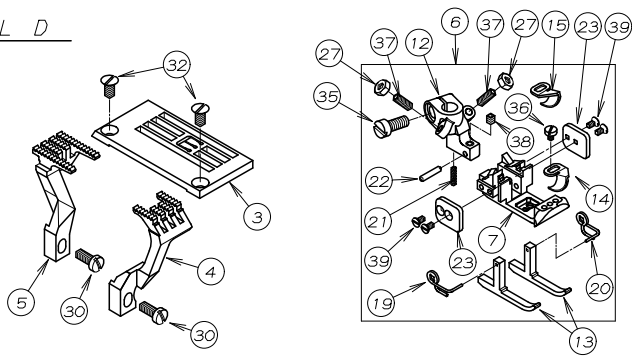
STANDARD



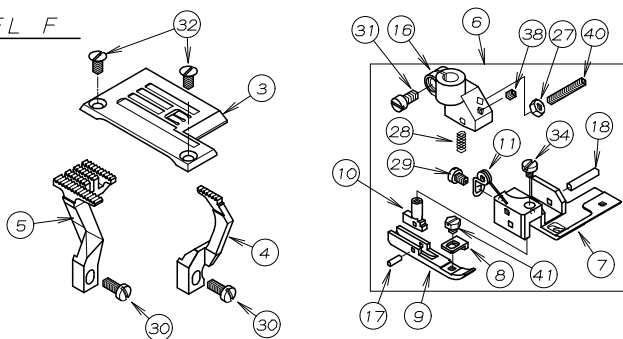
MODEL MG See page 18 as for enclosing accessory box



MODEL D



MODEL F



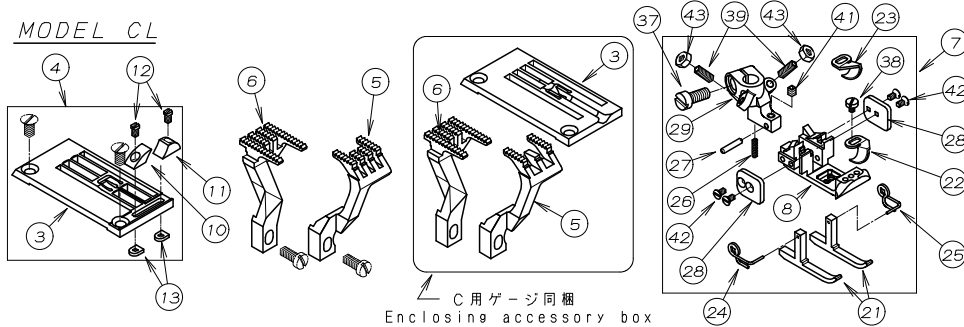
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
38-01	*	針株	NEEDLE HOLDER	1
38-02	*	針 (UYX128GAS #11~#14)	NEEDLE	*
38-03	*	針板	NEEDLE PLATE	1
38-04	*	前送歯	FRONT FEED DOG	1
38-05	*	後送歯	REAR FEED DOG	1
38-06	*	押えセット	PRESSER FOOT ASS'Y	1
38-07	*	押え足	BOTTOM	1
38-08	17-1760-K	テーフカイト	TAPE GUIDE	1
38-09	17-1760-Y	押えガイド足	GUIDE BRACKET	1
38-10	17-1760-Z	ガイド足金具	GUIDE PIN	1
38-11	17-7490-L	押え足ハネ	SPRING	2
38-12	17-9380-A	押えホス	SHANK	1
38-13	17-7680-B	補助押え足	GUIDE	2
38-14	17-7680-K	生地カイト	GUIDE	1
38-15	17-7680-L	生地カイト	GUIDE	1
38-16	17-7760-A	押えホス	SHANK	1
38-17	17-7760-D	ヒッソ	PIN	1
38-18	17-7760-E	ヒッソ	PIN	1
38-19	17-8190-D	補助押え足ハネ (左)	SPRING (LEFT)	1
38-20	17-8190-E	補助押え足ハネ (右)	SPRING (RIGHT)	1
38-21	17-8190-F	ハネ	SPRING	1
38-22	17-8190-G	ヒッソ	PIN	1
38-23	17-8190-J	カイトプレート	GUIDE PLATE	2
38-24	18-811	針受	NEEDLE GUARD	1
38-25	19-116	補助ルーバー	NEEDLE GUIDE	1
38-26	19-539	ルーバー	LOOPER	1
38-27	88-136	ナット	NUT	1~2
38-28	79-191	ハネ	SPRING	1
38-29	84-161	ネジ	SCREW	1
38-30	84-359	ネジ	SCREW	2
38-31	84-382	ネジ	SCREW	1
38-32	84-464	ネジ	SCREW	2
38-33	85-613	ネジ	SCREW	1
38-34	85-621	ネジ	SCREW	1
38-35	87-034	ネジ	SCREW	1
38-36	87-035	ネジ	SCREW	1
38-37	87-071	ネジ	SCREW	2
38-38	87-104	ネジ	SCREW	*
38-39	87-107	ネジ	SCREW	4
38-40	87-130	ネジ	SCREW	1
38-41	87-397	テーフカイト取付ネジ	BOLT	1
38-42	18-009	針受	NEEDLE GUARD	1

*各ゲージ部品の品番は、47, 48ページのゲージパーツ表を参照して下さい。

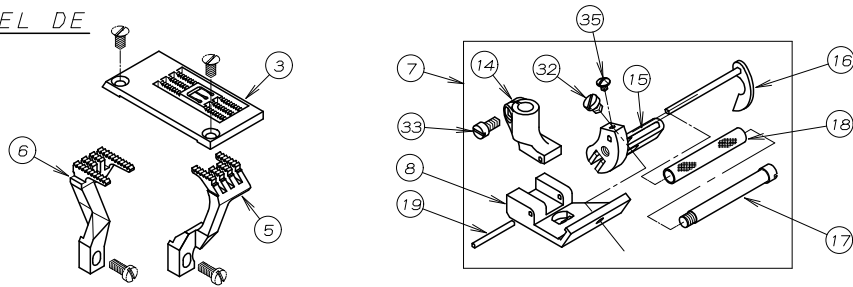
* Please refer to Page 47, 48 GAUGE PARTS LIST

39. ゲージ関係 (2) GAUGE PARTS (2)

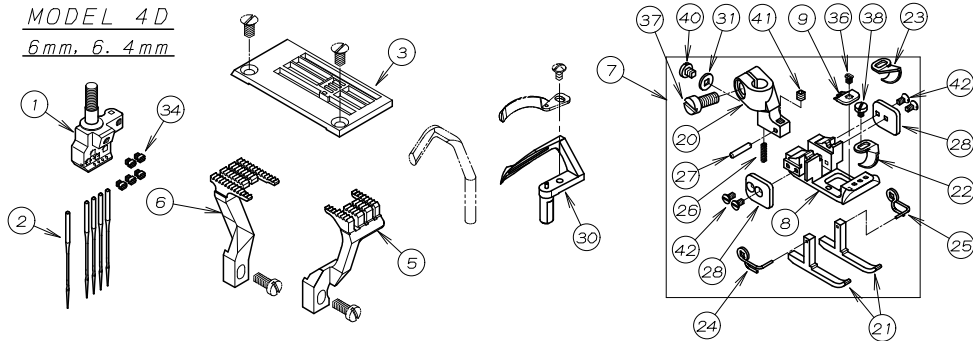
MODEL CL



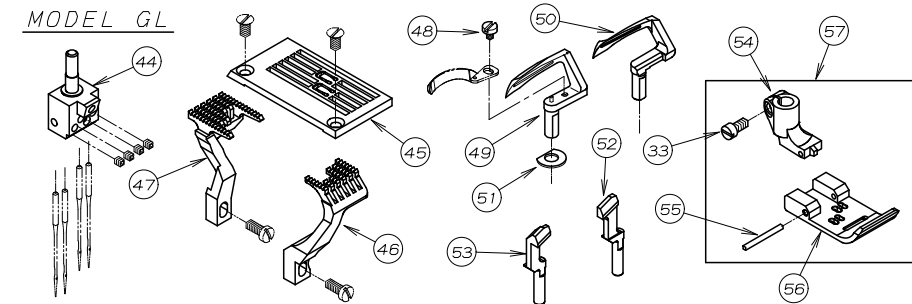
MODEL DE



MODEL 4D
6mm, 6.4mm



MODEL GL

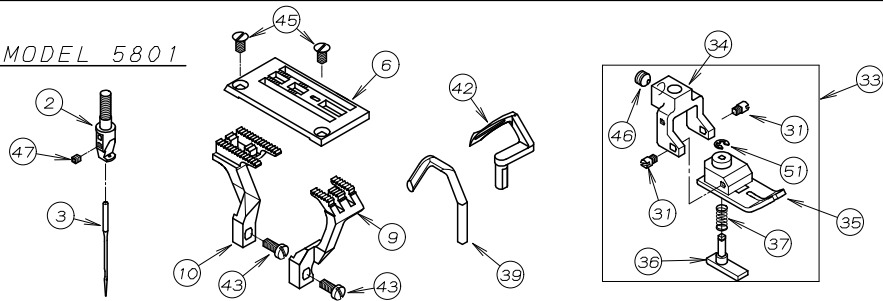


REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
39-01	*	針株	NEEDLE HOLDER	1
39-02	13-3020-5	針 (SM1014H #10S)	NEEDLE	5
39-03	*	針板	NEEDLE PLATE	1
39-04	*	針板セット	NEEDLE PLATE ASS'Y	1
39-05	*	前送歯	FRONT FEED DOG	1
39-06	*	後送歯	REAR FEED DOG	1
39-07	*	押えセット	PRESSER FOOT ASS'Y	1
39-08	*	押え足	BOTTOM	1
39-09	*	押え爪	STITCH TONGUE	1
39-10	14-8970-A	布カイト (左)	EDGE GUIDE (LEFT)	1
39-11	14-8970-B	布カイト (右)	EDGE GUIDE (RIGHT)	1
39-12	14-8970-C	ネジ	SCREW	2
39-13	14-8970-D	ナット	NUT	2
39-14	17-4430-A	押えホース	SHANK	1
39-15	17-7250-C	ローラフ ラケット	ROLLER BRACKET	1
39-16	17-7250-D	スライド カイト	ELASTIC GUIDE	1
39-17	17-7250-E	ローラセットネジ	SCREW	1
39-18	17-7250-F	カイト ローラー	GUIDE ROLLER	1
39-19	17-7250-G	ピン	PIN	1
39-20	17-7680-A	押え足ホース	SHANK	1
39-21	17-7680-B	補助押え足	GUIDE	2
39-22	17-7680-K	生地カイト	GUIDE	1
39-23	17-7680-L	生地カイト	GUIDE	1
39-24	17-8190-D	補助押え足ハネ (左)	SPRING (LEFT)	1
39-25	17-8190-E	補助押え足ハネ (右)	SPRING (RIGHT)	1
39-26	17-8190-F	ハネ	SPRING	1
39-27	17-8190-G	ピン	PIN	1
39-28	17-8190-J	カイト フレート	GUIDE PLATE	2
39-29	17-9380-A	押え足ボス	SHANK	1
39-30	19-599	ルーバー	LOOPER	1
39-31	75-228	ワッシャ	WASHER	1
39-32	84-364	ネジ	SCREW	1
39-33	84-382	ネジ	SCREW	1
39-34	85-603	ネジ	SCREW	5
39-35	85-611	ネジ	SCREW	1
39-36	85-616	ネジ	SCREW	1
39-37	87-034	ネジ	SCREW	1
39-38	87-035	ネジ	SCREW	1
39-39	87-071	六角穴付止めねじ	SCREW	1
39-40	87-083	ネジ	SCREW	1
39-41	87-104	ネジ	SCREW	1
39-42	87-107	ネジ	SCREW	4
39-43	88-136	ナット	NUT	1
39-44	12-797	針株	NEEDLE HOLDER	1
39-45	14-797	針板	NEEDLE PLATE	1
39-46	15-797	前送り歯	FRONT FEED DOG	1
39-47	15-798	後送り歯	REAR FEED DOG	1
39-48	85-621	ネジ	SCREW	1
39-49	19-539	ルーバー	LOOPER	1
39-50	19-797	ルーバー (右)	LOOPER (RIGHT)	1
39-51	75-558	座金	WASHER	1
39-52	18-797	針受け右	NEEDLE GUARD (RIGHT)	1
39-53	18-798	針受け左	NEEDLE GUARD (LEFT)	1
39-54	17-7830-A	押えボス	SHANK	1
39-55	17-5480-G	平行ピン	PIN	1
39-56	17-7830-B	押え足テープ付け用	BOTTOM	1
39-57	17-7830-1	押えセット図	PRESSER FOOT ASS'Y	1

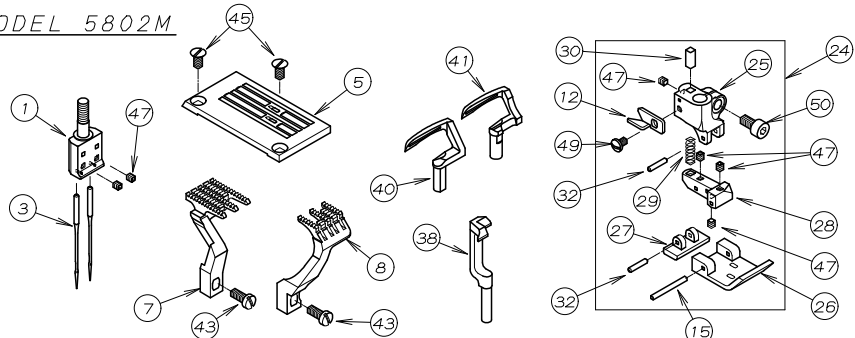
*各ゲージ部品の品番は、47, 48ページのゲージパーツ表を参照して下さい。
* Please refer to Page 47, 48 GAUGE PARTS LIST

40. ゲージ関係 (3) GAUGE PARTS (3)

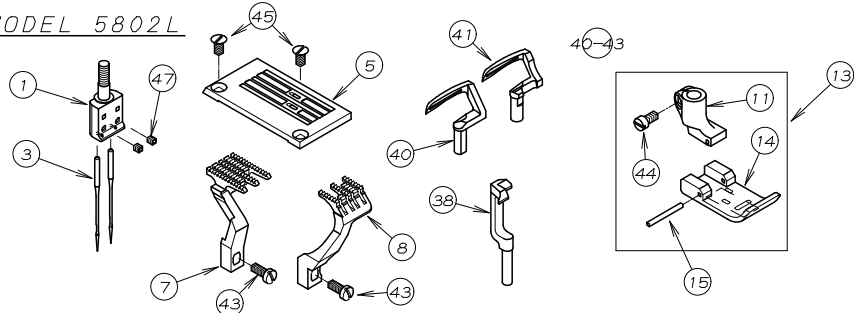
MODEL 5801



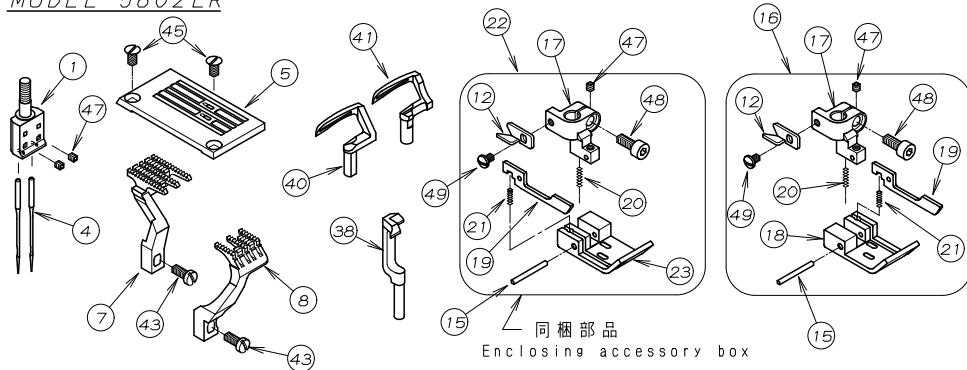
MODEL 5802M



MODEL 5802L



MODEL 5802LR



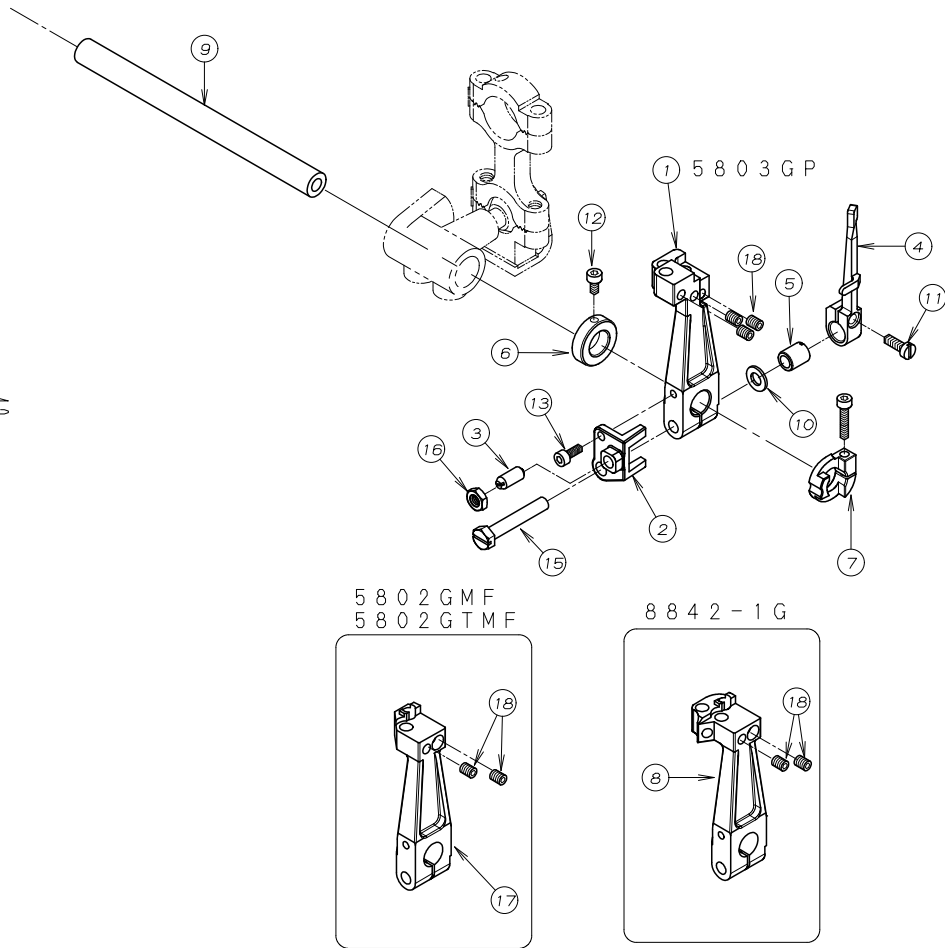
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
40-01	12-563	針株	NEEDLE HOLDER	1
40-02	12-877	針株	NEEDLE HOLDER	1
40-03	13-0110-6	針 (UYX128GAS #11)	NEEDLE	1~2
40-04	13-0160-6	針 (UYX128GAS #16)	NEEDLE	2
40-05	14-563	針板	NEEDLE HOLDER	1
40-06	14-877	針板	NEEDLE PLATE	1
40-07	15-535	後送歯	REAR FEED DOG	1
40-08	15-536	前送歯	FRONT FEED DOG	1
40-09	15-831	前送歯	FRONT FEED DOG	1
40-10	15-832	後送歯	REAR FEED DOG	1
40-11	17-4430-A	押えホース	SHANK	1
40-12	17-5060-K	糸切りメス	KNIFE	1
40-13	17-5480-1	押えセット	PRESSER FOOT ASSEMBLY	1
40-14	17-5480-B	押え足テーフ [°] 付け用 (1/4)	BOTTOM	1
40-15	17-5480-G	平行ピン	PIN	1
40-16	17-5490-1	押えセット図 (右ガイド用)	PRESSER FOOT ASS'Y	1
40-17	17-5490-A	押えボス	SHANK	1
40-18	17-5490-B	押え足 (右ガイド用)	BOTTOM (RIGHT)	1
40-19	17-5490-C	ガイド足	GUIDE	1
40-20	17-5490-D	押え足用バネ	SPRING	1
40-21	17-5490-E	ガイド足用バネ	SPRING	1
40-22	17-5500-1	押えセット図 (左ガイド用)	PRESSER FOOT ASS'Y	1
40-23	17-5500-B	押え足 (左ガイド用)	BOTTOM (LEFT)	1
40-24	17-5630-1	押えセット	PRESSER FOOT ASSEMBLY	1
40-25	17-5630-A	押えボス	SHANK	1
40-26	17-5630-B	押え足 (1/4)	BOTTOM	1
40-27	17-5630-C	補助押え足	BOTTOM	1
40-28	17-5630-D	押え取付台	BRACKET	1
40-29	17-5630-E	圧縮バネ	SPRING	1
40-30	17-5630-F	バネ調節ピン	PIN	1
40-31	17-6720-C	押え足取付けネジ [°]	SCREW	2
40-32	17-8190-G	ピン	PIN	2
40-33	17-8770-1	押えセット (LX)	PRESSER FOOT A' SSSY	1
40-34	17-8770-A	押えホース	SHANK	1
40-35	17-8770-B	押え足	BOTTOM	1
40-36	17-8770-C	補助押え	GUIDE BRACKET	1
40-37	17-8770-D	バネ	SPRING	1
40-38	18-533	針受け後	NEEDLE GUIDE	1
40-39	18-811	針受	NEEDLE GUARD	1
40-40	19-837	ル-ハ [°] - (中)	LOOPER (MEDIUM)	1
40-41	19-838	ル-ハ [°] - (右)	LOOPER (RIGHT)	1
40-42	19-877	ル-パ [°]	LOOPER	1
40-43	84-359	ネジ [°]	SCREW	2
40-44	84-382	ネジ [°]	SCREW	1
40-45	84-464	ネジ [°]	SCREW	2
40-46	84-726	ネジ [°]	SCREW	1
40-47	87-104	ネジ [°]	SCREW	*
40-48	87-113	六角穴付きボルト	BOLT	1
40-49	87-166	ネジ [°]	SCREW	1
40-50	87-177	六角穴付きボルト	BOLT	1
40-51	93-195	E形止め輪	E-RING	1

*各ゲージ部品の品番は、47、48ページのゲージパーツ表を参照して下さい。

* Please refer to Page 47, 48 GAUGE PARTS LIST

41. 特殊ル-ハ°-台機構 (5803GP, 5802GMF, 5802GTMF, 8842-1G)

SPECIAL LOOPER HOLDER MECHANISM

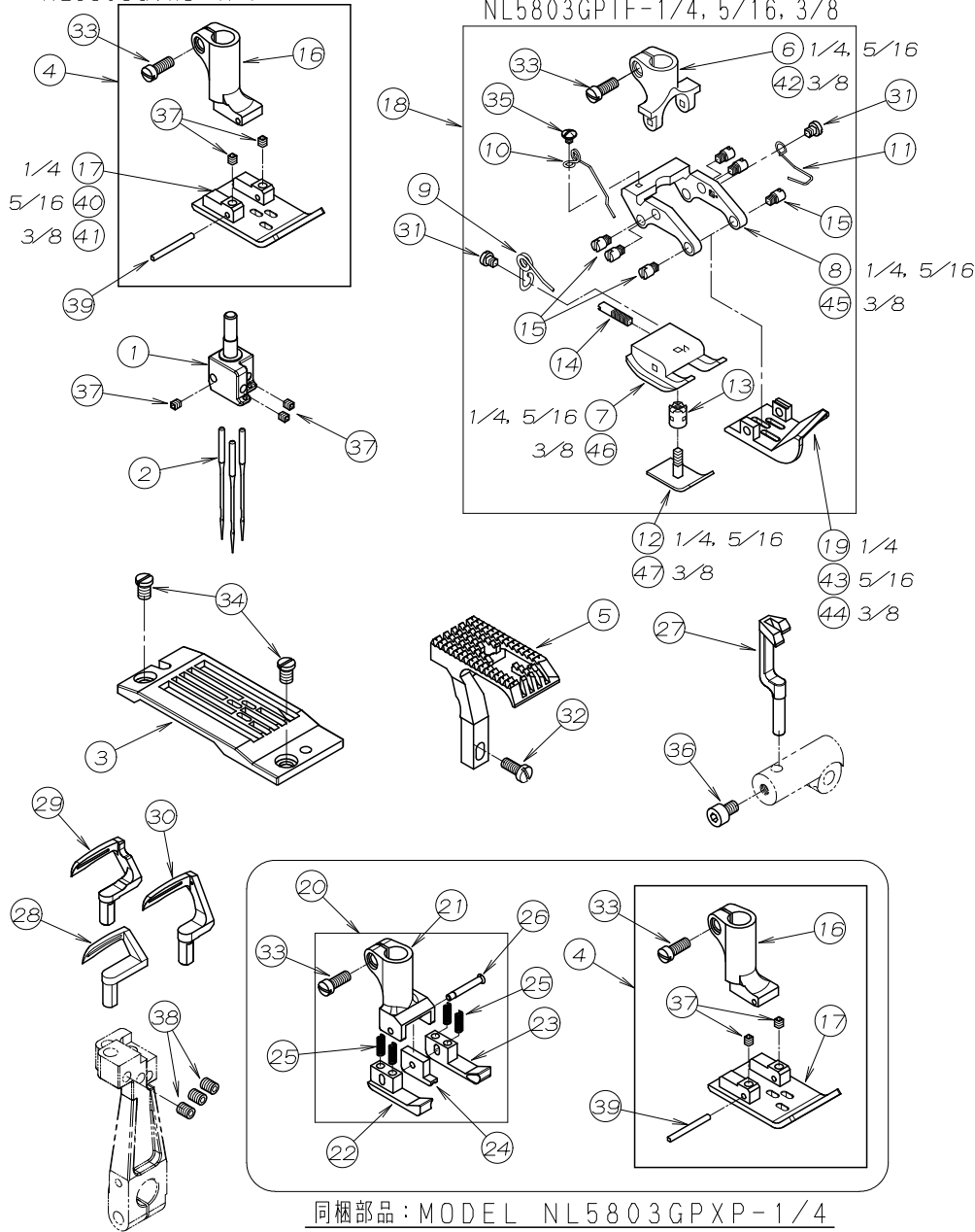


REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
41-01	19-573	ル-ハ°-台	LOOPER HOLDER	1
41-02	19-574	ル-ハ°-台ストップ°	BRACKET	1
41-03	19-575	フ°ランシ°ヤ°	PLUNGER	1
41-04	19-576	レバ°	LEVER	1
41-05	19-577	ナツト	NUT	1
41-06	19-578	位置決めカラ°	COLLAR	1
41-07	19-579	ル-ハ°-台ストップ°カラ°	LOOPER HOLDER COLLAR	1
41-08	19-839	ル-ハ°-台	LOOPER HOLDER	1
41-09	71-575	ル-ハ°-軸	LOOPER SHAFT	1
41-10	75-520	ワッシヤ	WASHER	1
41-11	87-011	ネジ°	SCREW	1
41-12	87-123	六角穴付きボルト	BOLT	1
41-13	87-124	ネジ°	SCREW	1
41-14	87-140	六角穴付きボルト	BOLT	1
41-15	87-337	六角ボルト	BOLT	1
41-16	88-018	六角ナツト	NUT	1
41-17	19-566	ル-ハ°-台	LOOPER HOLDER	1
41-18	87-181	ネジ°	SCREW	7

42. 5803GP ゲージ関係(4) GAUGE PARTS (4)

NL5803GPHD-1/4, 5/16, 3/8
NL5803GVHD-1/4

NL5803GPXP-1/4
NL5803GPTF-1/4, 5/16, 3/8



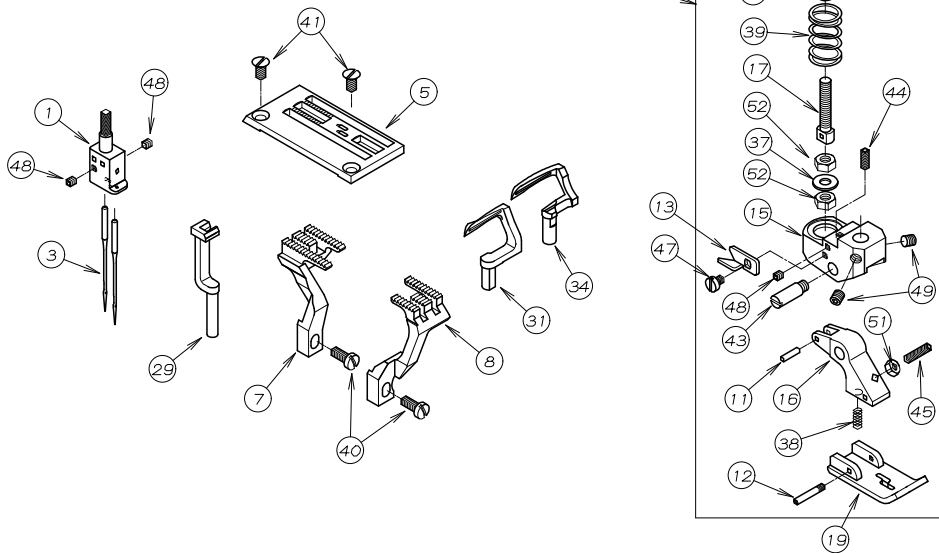
同梱部品: MODEL NL5803GPXP-1/4
Enclosing accessory box

REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
42-01	*	針株	NEEDLE HOLDER	1
42-02	13-1480-5	針 (TVX5 #18)	NEEDLE	3
42-03	*	針板	NEEDLE PLATE	1
42-04	*	押えセット	PRESSER FOOT ASS'Y	1
42-05	*	送り歯 (右巻き) 標準	FEED DOG	1
42-06	17-5530-A	押えボス (1/4, 5/16)	SHANK (1/4, 5/16)	1
42-07	17-5530-B	押え足 (後) 1/4, 5/16	BOTTOM REAR (1/4, 5/16)	1
42-08	17-5530-C	押え足ホルダー 1/4, 5/16	BOTTOM HOLDER (1/4, 5/16)	1
42-09	17-5530-D	押え力 "イト" 足ハネ	SPRING	1
42-10	17-5530-F	押え足後ハネ	SPRING	1
42-11	17-5530-G	押え足ハネ	SPRING	1
42-12	17-5530-H	押えガイド足 1/4, 5/16	GUIDE (1/4, 5/16)	1
42-13	17-5530-I	押え力 "イト" 足調節ナット	NUT	1
42-14	17-5530-J	押え足固定ネジ	SCREW	1
42-15	17-5530-K	ネジ	SCREW	1
42-16	17-5750-A	押えボス	SHANK	1
42-17	17-5750-B	押え足 (1/4)	BOTTOM (1/4)	1
42-18	*	押えセット (右巻)	PRESSER FOOT ASS'Y	1
42-19	17-5690-B	押え足前 (1/4)	BOTTOM FRONT (1/4)	1
42-20	17-5800-1	押えセット	PRESSER FOOT ASS'Y	1
42-21	17-5800-A	押えボス	SHANK	1
42-22	17-5800-B	押え足 (左)	BOTTOM (LEFT)	1
42-23	17-5800-C	押え足 (右)	BOTTOM (RIGHT)	1
42-24	17-5800-D	押え足	BOTTOM	1
42-25	17-5800-E	押え足圧縮バネ	SPRING	4
42-26	17-5800-F	押え足取付ネジ	SCREW	1
42-27	*	針受け	NEEDLE GUARD	1
42-28	*	ルーパー	LOOPER	1
42-29	*	中ルーパー	LOOPER	1
42-30	*	ルーパー	LOOPER	1
42-31	84-167	ネジ	SCREW	1
42-32	84-359	ネジ	SCREW	1
42-33	84-376	ネジ	SCREW	3
42-34	84-575	ネジ	SCREW	2
42-35	85-611	ネジ	SCREW	1
42-36	87-092	六角穴付きボルト	BOLT	1
42-37	87-104	ネジ	SCREW	5
42-38	87-181	ネジ	SCREW	3
42-39	17-5480-G	平行ピン	PIN	1
42-40	17-5780-B	押え足 (5/16)	BOTTOM (5/16)	1
42-41	17-5770-B	押え足 (3/8)	BOTTOM (3/8)	1
42-42	17-5970-A	押えボス (3/8)	SHANK (3/8)	1
42-43	17-5430-B	押え足前 (5/16)	BOTTOM FRONT (5/16)	1
42-44	17-5970-B	押え足前 (3/8)	BOTTOM FRONT (3/8)	1
42-45	17-5970-C	押え足ホルダー 3/8	BOTTOM HOLDER (3/8)	1
42-46	17-5970-D	押え足 (後) 3/8	BOTTOM REAR (3/8)	1
42-47	17-5970-E	押えガイド足 3/8	GUIDE (3/8)	1

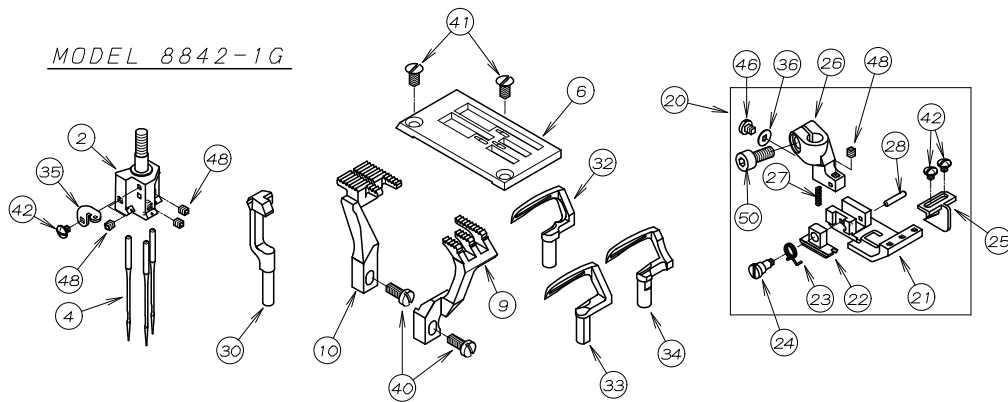
*各ゲージ部品の品番は、47, 48ページのゲージパーツ表を参照して下さい。
* Please refer to Page 47, 48 GAUGE PARTS LIST

4.3. ゲージ関係 (5) GAUGE PARTS (5)

MODEL 5802GMF, GTMF
GMF (2.4mm), GTMF (1/64)



MODEL 8842-1G



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
43-01	*	針株	NEEDLE HOLDER	1
43-02	12-835	針株	NEEDLE HOLDER	1
43-03	13-0110-6	針 (UYX128GAS #11)	NEEDLE	2
43-04	13-0140-6	針 (UYX128GAS #14)	NEEDLE	3
43-05	*	針板	NEEDLE PLATE	1
43-06	14-835	針板	NEEDLE PLATE	1
43-07	*	後送歯	REAR FEED DOG	1
43-08	*	前送歯	FRONT FEED DOG	1
43-09	15-836	前送歯	FRONT FEED DOG	1
43-10	15-837	後送歯	REAR FEED DOG	1
43-11	17-5060-G	調節金具取付ヒョン	PIN	1
43-12	17-5060-J	押え足取付ヒョン	PIN	1
43-13	17-5060-K	糸切りメス	KNIFE	1
43-14	*	押えセット	PRESSER FOOT ASS'Y	1
43-15	17-5610-A	押えホース	SHANK	1
43-16	17-5610-B	押え足フック	BRACKET	1
43-17	17-5610-C	押え調節金具	HINGE SCREW	1
43-18	17-5610-D	ハネ調節ナット	NUT	1
43-19	*	押え足	BOTTOM	1
43-20	17-7810-1	押えセット	PRESSER FOOT ASS'Y	1
43-21	17-7810-B	押え足	BOTTOM	1
43-22	17-7810-C	補助押え足	GUIDE	1
43-23	17-7810-D	押えハネ	SPRING	1
43-24	17-7810-E	補助押え足止めネジ	SCREW	1
43-25	17-7810-F	布カイト	GUIDE	1
43-26	17-8190-A	押え足ホース	SHANK	1
43-27	17-8190-F	ハネ	SPRING	1
43-28	17-8190-G	ヒョン	PIN	1
43-29	*	針受け	NEEDLE GUARD	1
43-30	18-835	針受け	NEEDLE GUARD	1
43-31	*	前ルーパー	FRONT LOOPER	1
43-32	19-836	ルーパー (左)	LOOPER (LEFT)	1
43-33	19-837	ルーパー (中)	LOOPER (MEDIUM)	1
43-34	19-838	ルーパー (右)	LOOPER (RIGHT)	2
43-35	45-803	針株糸道	THREAD EYELET	1
43-36	75-441	ワッシャ	WASHER	1
43-37	75-473	ワッシャ	WASHER	1
43-38	79-191	ハネ	SPRING	1
43-39	79-561	調節ハネ	SPRING	1
43-40	84-359	ネジ	SCREW	4
43-41	84-464	ネジ	SCREW	4
43-42	85-611	ネジ	SCREW	3
43-43	87-069	フック取付ヒョン	PIN	1
43-44	87-071	六角穴付止めねじ	SCREW	1
43-45	87-072	六角穴付止めねじ	SCREW	1
43-46	87-083	ネジ	SCREW	1
43-47	87-095	ネジ	SCREW	1
43-48	87-104	ネジ	SCREW	7
43-49	87-106	ネジ	SCREW	3
43-50	87-113	六角穴付きボルト	BOLT	1
43-51	88-136	ナット	NUT	1
43-52	88-146	ナット	NUT	2

*各ゲージ部品の品番は、47、48ページのゲージパーツ表を参照して下さい。
* Please refer to Page 47, 48 GAUGE PARTS LIST

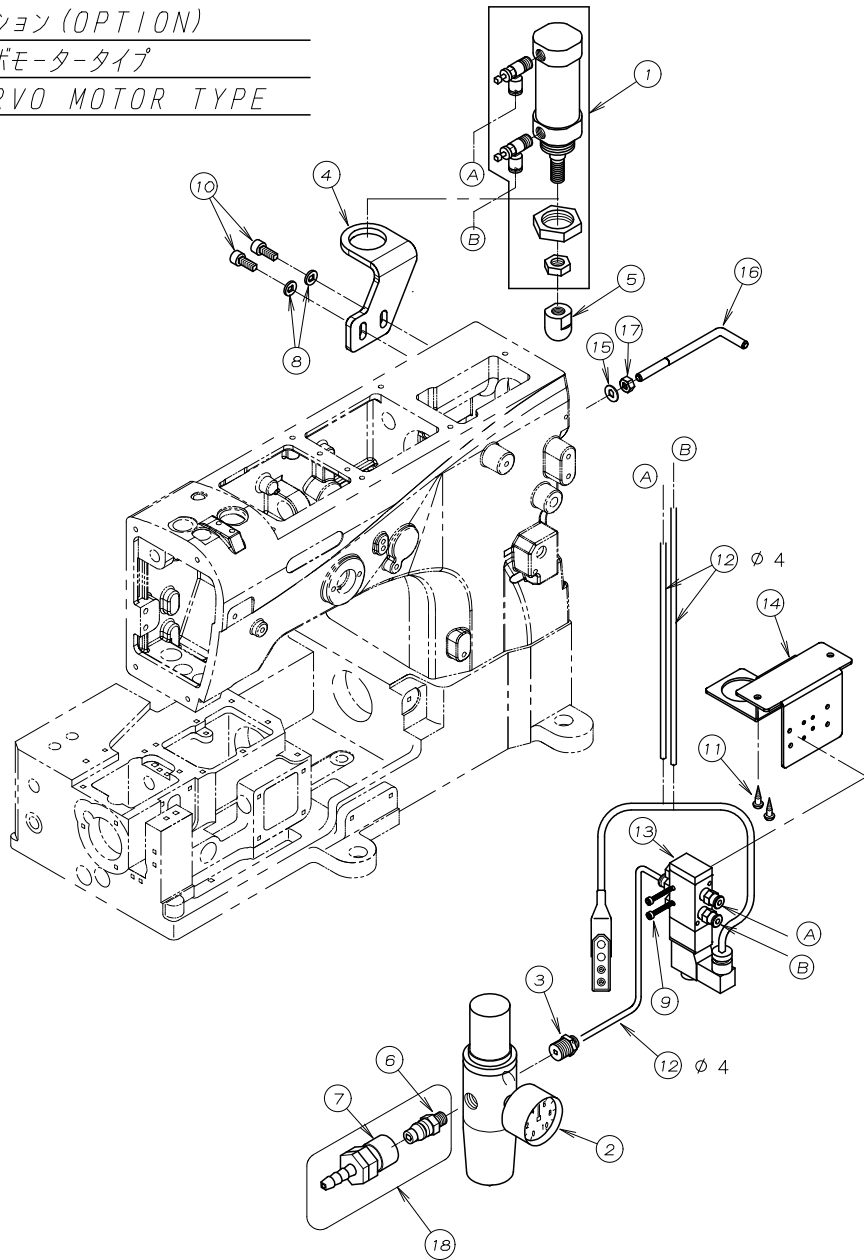
44. 押え揚げ装置 (エア-式) FL-8

FOOT LIFTER MECHANISM (PNEUMATIC TYPE) FL-8

オプション (OPTION)

サーボモータータイプ

SERVO MOTOR TYPE



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
44-01	00-6082	押え揚げシリンダーセット	AIR CYLINDER ASS'Y	1
44-02	05-2120-A	フィルタレギュレータ	REGULATOR	1
44-03	05-217	レギュレータ用継手	JOINT	1
44-04	77-032	押え揚げシリンダーブラケット	BRACKET	1
44-05	05-897	シリンダー作動チップ	CHIP	1
44-06	06-516	カプラメス	CONNECTOR	1
44-07	06-517	カプラオス	CONNECTOR	1
44-08	75-552	ワッシャ	WASHER	2
44-09	87-438	六角穴付ボルト	SCREW	2
44-10	87-171	六角穴付ボルト	SCREW	2
44-11	87-902	木ネジ	SCREW	2
44-12	05-979	チューブφ4×700mm	TUBE (φ4×700L)	3
44-13	05-982	電磁弁セット	SOLENOID VALVE ASS'Y	1
44-14	05-644	電磁弁取付板	BRACKET	1
44-15	75-452	ワッシャ	WASHER	1
44-16	05-292	ポジションナバー	BAR	1
44-17	88-166	ナット	NUT	1
44-18	06-5160-2	カフ°ラオスメスセット	COUPLER ASS'Y	1

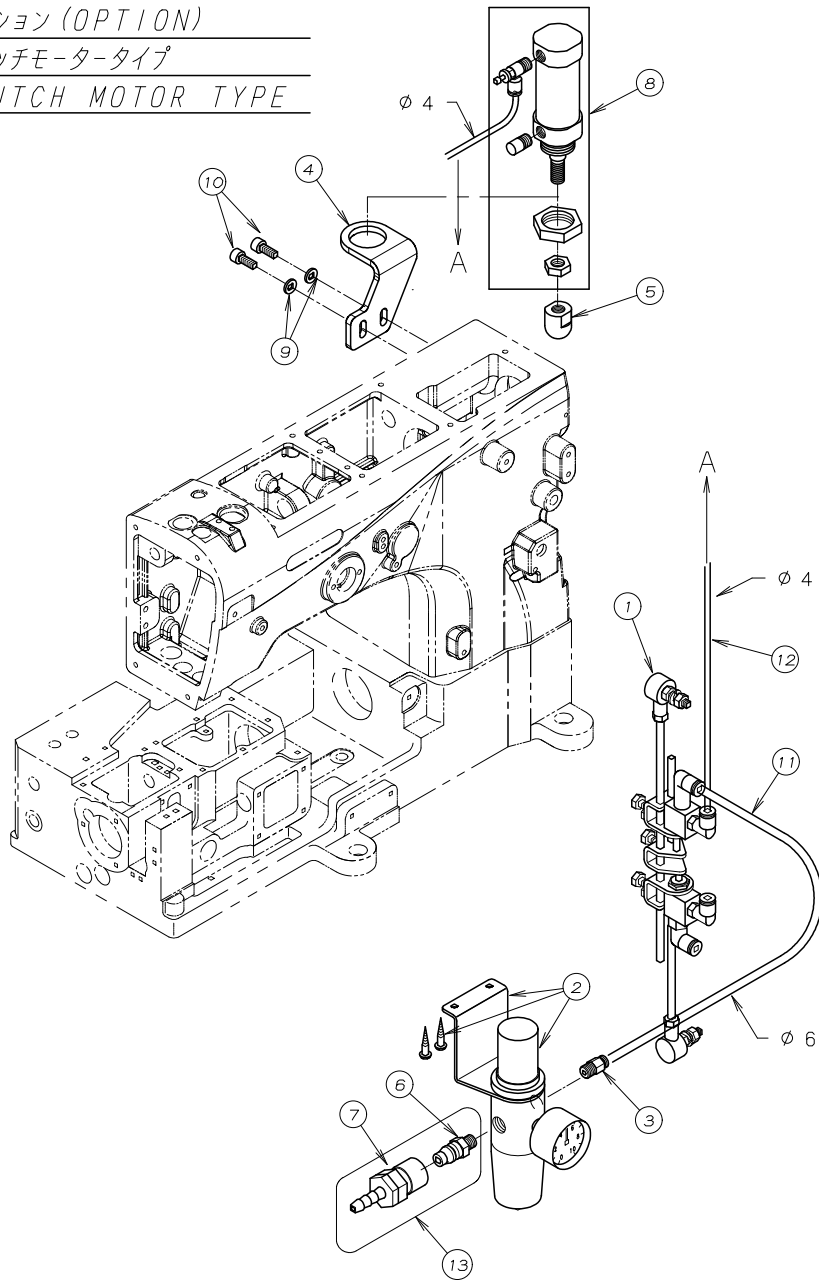
45. 押え揚げ装置 (エア-式) FL-9

FOOT LIFTER MECHANISM (PNEUMATIC TYPE) FL-9

オプション (OPTION)

クラッチモータータイプ

CLUTCH MOTOR TYPE



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
45-01	00-8040	吸込み押え揚げ用バルブセット	TREADLE AIR SWITCH ASS'Y	1
45-02	05-212	フィルタレギュレータ	REGULATOR	1
45-03	05-218	レギュレータ-用継手	JOINT	1
45-04	77-032	押え揚げシリンダー-ブラケット	BRACKET	1
45-05	05-897	シリンダー-作動チップ	CHIP	1
45-06	06-516	カプラメス	CONNECTOR	1
45-07	06-517	カプラオス	CONNECTOR	1
45-08	00-6130	押え揚げシリンダー-セット	AIR CYLINDER ASS'Y	1
45-09	75-552	ワッシャ	WASHER	2
45-10	87-171	六角穴付ボルト	SCREW	2
45-11	05-486	チューブ$\phi 6 \times 1000\text{mm}$	TUBE ($\phi 6 \times 1000\text{mm}$)	1
45-12	05-932	チューブ$\phi 4 \times 1500\text{mm}$	TUBE ($\phi 4 \times 1500\text{mm}$)	1
45-13	06-5160-2	カフ-ラオスメスセット	COUPLER ASS'Y	1

46. ゲージパーツ表(1)

GAUGE PARTS LIST (1)

機種 MODEL	タイプ TYPE	針数 NEEDLE	ゲージ GAUGE	針株 NEEDLE HOLDER	押え組 PRESSER FOOT ASS'Y	後送り歯 FEED DOG (REAR)	前送り歯 FEED DOG (FRONT)	針板 NEEDLE PLATE Standard	ルーパー LOOPER	上飾り ルーパー SPREADER	針受(後) NEEDLE GUARD (REAR)	針ガイド(前) NEEDLE GUARD (FRONT)
NW	GMG	3	7/32	12-0260-1	17-9380-1 ★17-1920-1	15-875 ★15-015	15-870 ★15-016	14-871 ★14-192	19-539	19-751 (Non UT)	18-811	19-116
			1/4	12-0270-1	17-9390-1 ★17-1930-1	15-875 ★15-015	15-870 ★15-016	14-880 ★14-193				
	GFMG		1/4	12-0270-1	17-1930-1 ★17-9390-1	15-015 ★15-875	15-016 ★15-870	14-193 ★14-880				
			GD	7/32	12-0260-1	17-9380-1	15-875	15-870				
	1/4			12-0270-1	17-9390-1			14-880				
	GF		7/32	12-0260-1	17-1920-1	15-015	15-016	14-192				
		1/4	12-0270-1	17-1930-1			14-193					
	GCL	7/32	12-0260-1	17-9380-1	15-875 ★15-844	15-870 ★15-823	14-8780-1 ★14-846					
		1/4	12-0270-1	17-9390-1	15-875 ★15-844	15-870 ★15-823	14-8790-1 ★14-847					
	4GD	4	6mm	12-8480-1	17-7120-1	15-889	15-888	14-707	19-599			
			6.4mm	12-8490-1	17-8430-1			14-705				
	GDE	3	7/32	12-0260-1	17-8850-1	15-843	15-805	14-894	19-539			
			1/4	12-0270-1	17-8950-1	15-844	15-807	14-895				
	NW8842-1G	3	2.4x 6.4mm	12-8350-1	17-7810-1	15-837	15-836	14-835 ☆14-794	19-836 19-837 19-838	19-495	18-835	
NW8724GL	4	3.2X 3.2X 3.2	12-7970-1	17-7830-1	15-798	15-797	14-797	19-539 19-797		18-797 18-798	19-116	

*★同梱部品です。★ Enclosing accessory box
*☆CS-1 (空環切り)用の針板です。☆ NEEDLE PLATE CS-1

47. ゲージパーツ表(2)

GAUGE PARTS LIST (2)

機種 MODEL	タイプ TYPE	針数 NEEDLE	ゲージ GAUGE	針株 NEEDLE HOLDER	押え組 PRESSER FOOT ASS' Y	後送り歯 FEED DOG (REAR)	前送り歯 FEED DOG (FRONT)	針板 NEEDLE PLATE Standard	ルーパー LOOPER	上飾り ルーパー SPREADER	針受(後) NEEDLE GUARD (REAR)	針ガイド(前) NEEDLE GUARD (FRONT)	
NL5801G		1		12-8770-1	17-8770-1	15-832	15-831	14-877 ☆14-795	19-877		18-811		
NL5802G	M	2	6.4mm	12-5630-1	17-5630-1	15-535	15-536	14-563	19-837 19-838		18-533		
	L				17-5480-1								
	LR				17-5490-1								
	MF		★17-5500-1										
	TMF		2.4mm	12-5610-1	17-5610-1	15-561	15-562	14-561	19-561 19-838		18-561		
		1/64	12-5620-1	17-5620-1	15-565	15-566	14-562	19-562 19-838	18-562				
NL5803G	PXP	3	1/4	12-5690-1	右巻き RIGHT ROLL	15-569		14-569	19-531 19-568 19-569		18-569		
					17-5690-1								右巻き RIGHT ROLL
					★17-5750-1 ★17-5800-1								15-569
	PHD VHD		5/16	12-5430-1	17-5780-1	右巻き RIGHT ROLL		15-569	14-569	19-531 19-568 19-569	18-569		
						17-5750-1							右巻き RIGHT ROLL
						17-5780-1							15-569
	PTF		3/8	12-5970-1	17-5770-1	右巻き RIGHT ROLL		15-597	14-597	19-584 19-568 19-594	18-569		
						17-5770-1							右巻き RIGHT ROLL
						17-5770-1							15-597
			1/4	12-5690-1	17-5690-1	右巻き RIGHT ROLL		15-569	14-569	19-595 19-596 19-597	18-569		
						17-5690-1							右巻き RIGHT ROLL
						17-5690-1							15-569
5/16	12-5430-1	17-5430-1	右巻き RIGHT ROLL	15-569	14-543	19-584 19-568 19-594	18-569						
			17-5430-1					右巻き RIGHT ROLL					
			17-5430-1					15-569					
3/8	12-5970-1	17-5970-1	右巻き RIGHT ROLL	15-597	14-597	19-595 19-596 19-597	18-569						
			17-5970-1					右巻き RIGHT ROLL					

※★同梱部品です。★ Enclosing accessory box

※☆CS-1 (空環切り)用の針板です。☆ NEEDLE PLATE CS-1

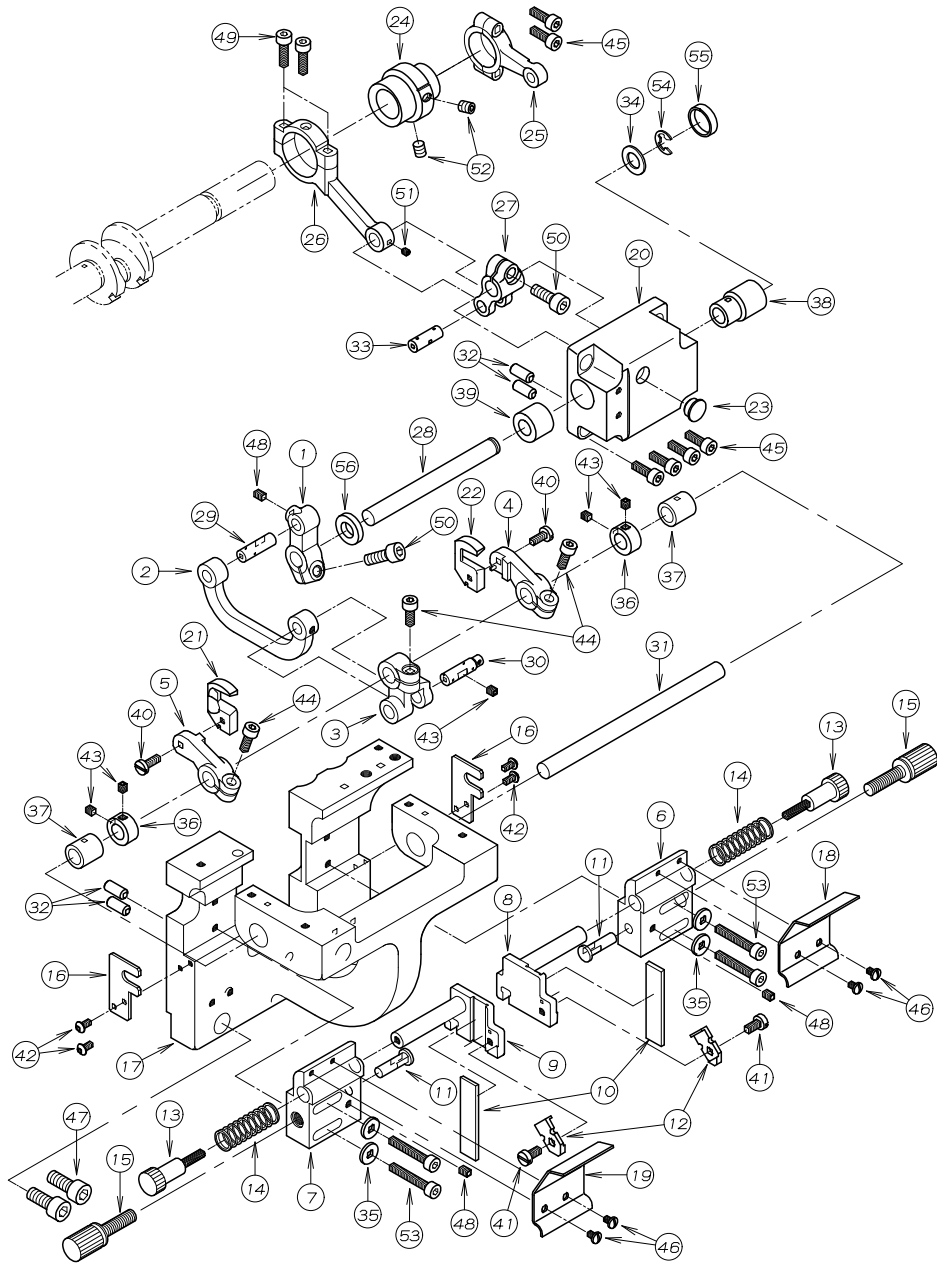
48. 特注針板パーツ表 EXTRA NEEDLE PLATE PARTS LIST

機種 MODEL	タイプ TYPE	針数 NEEDLE	ゲージ GAUGE	標準	ロングステッチ	ショートステッチ	かまぼこ防止用Uタイプ
				Standard	For long stitch	For short stitch	For soft stitch formation
				針板 NEEDLE PLATE	針板 NEEDLE PLATE	針板 NEEDLE PLATE	針板 NEEDLE PLATE
NW	GMG	3	7/32	14-871	14-871L	14-871S	14-871U
	GD		1/4	14-880	14-880L	14-880S	14-880U

特注パーツ EXTRA PARTS

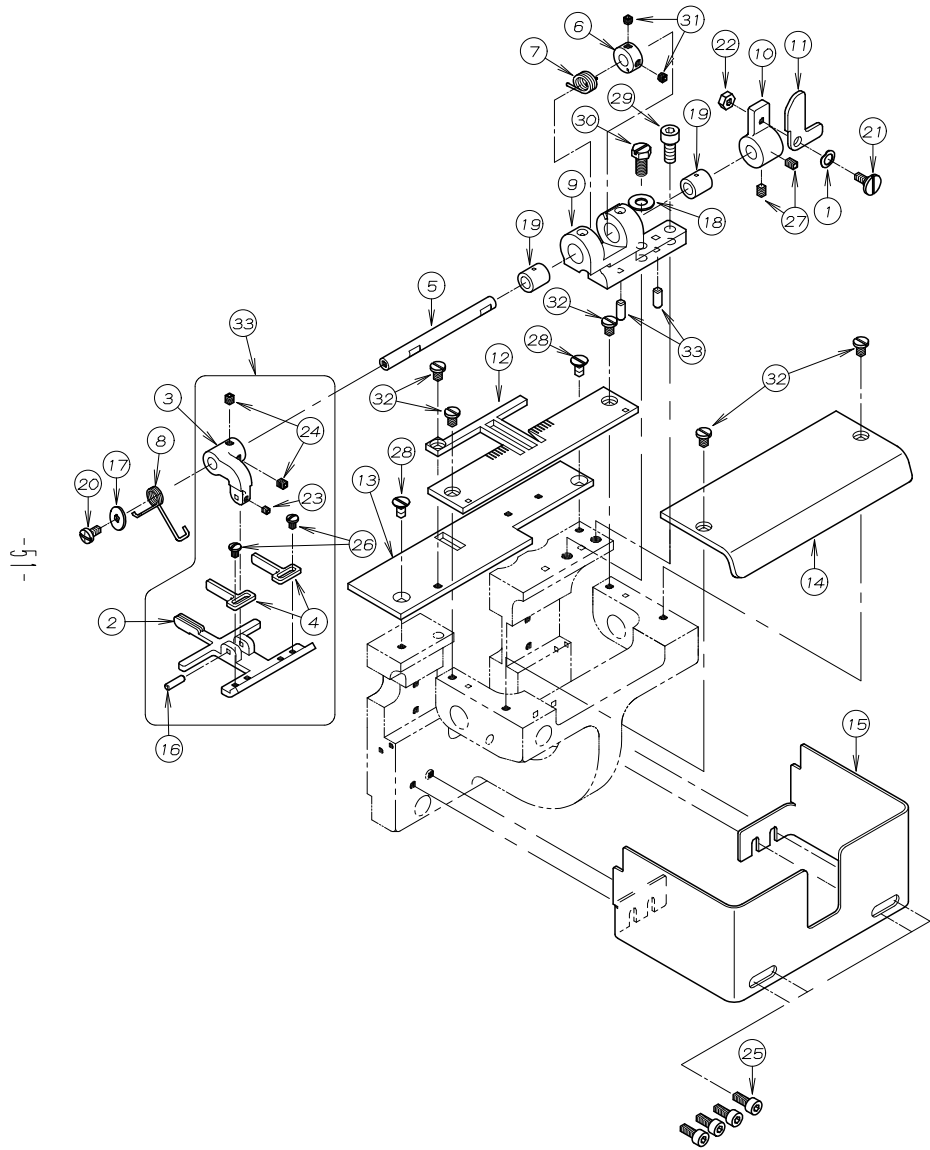
針棒ストローク STROKE	ゲージ GAUGE	針高さ, ルーパーゲージ NEEDLE & LOOPER SETTING GAUGE	
31mm	7/32	16-8221	
	1/4		
33mm	7/32	16-8222	
	1/4		

49. NW2202GC用専用部品(1) MODEL NW2202GC EXCLUSIVE PARTS (1)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
49-01	07-423	上メスシャフトレバ -	LEVER	1
49-02	07-424	連結リンク	LINK BAR	1
49-03	07-425	上メス連結レバ -	LEVER	1
49-04	07-426	ウメスフ ラケット (右)	BRACKET	1
49-05	07-427	上メスフ ラケット (左)	BRACKET	1
49-06	07-428	固定メスフ ラケット土台 (右)	LOWER KNIFE MOUNT BRACKET (R)	1
49-07	07-429	固定メスフ ラケット土台 (左)	LOWER KNIFE MOUNT BRACKET (L)	1
49-08	07-430	固定メスフ ラケット (右)	LOWER KNIFE BRACKET (R)	1
49-09	07-431	固定メスフ ラケット (L)	LOWER KNIFE BRACKET (L)	1
49-10	07-432	固定メス	LOWER KNIFE	2
49-11	07-433	固定メス回止め	PIN	2
49-12	07-434	固定金具	LOWER KNIFE CLAMP	2
49-13	07-435	固定メスハネ圧ネジ	ADJUSTING SCREW	2
49-14	07-436	固定メスハネ	SPRING	2
49-15	07-437	位置決めねじ	SCREW	2
49-16	07-438	固定メス位置決め金具	LOCKING PLATE	2
49-17	07-439	メス土台	BASE BRACKET	1
49-18	07-440	カバー - 右	COVER (R)	1
49-19	07-441	カバー - 左	COVER (L)	1
49-20	07-501	上メスシャフトフ ラケット	BRACKET	1
49-21	07-702	上メス (左)	UPPER KNIFE (L)	1
49-22	07-703	上メス (右)	UPPER KNIFE (R)	1
49-23	23-533	ゴム栓	PLUG	1
49-24	61-525	上メスエキセン	UPPER KNIFE ECCENTRIC	1
49-25	63-508	針受ロット	CONNECTING ROD	1
49-26	63-832	上メスロット	CONNECTING ROD	1
49-27	67-517	上メスシャフトレバ - (右)	LEVER (RIGHT)	1
49-28	71-096	上メスシャフト	SHAFT	1
49-29	71-097	リンクピン	LINK PIN	1
49-30	71-098	リンクピン	LINK PIN	1
49-31	71-099	上メス駆動シャフト	SHAFT	1
49-32	71-208	ロックピン	PIN	4
49-33	71-596	上メスロットピン	CONNECTING ROD PIN	1
49-34	75-519	ワッシャ	WASHER	1
49-35	75-522	ワッシャ	WASHER	4
49-36	75-561	カラー	COLLAR	2
49-37	81-022	上メス駆動シャフトフ ワッシユ	BUSHING	2
49-38	81-543	ブッシユ	BUSHING	1
49-39	81-544	ブッシユ	BUSHING	1
49-40	84-363	ネジ	SCREW	2
49-41	87-096	ネジ	SCREW	2
49-42	87-099	ネジ	SCREW	4
49-43	87-106	ネジ	SCREW	5
49-44	87-113	六角穴付きボルト	BOLT	3
49-45	87-129	六角穴付きボルト	BOLT	6
49-46	87-166	ネジ	SCREW	4
49-47	87-171	六角穴付きボルト	BOLT	2
49-48	87-181	ネジ	SCREW	3
49-49	87-214	六角穴付きボルト	BOLT	2
49-50	87-224	六角穴付きボルト	BOLT	2
49-51	87-234	ネジ	SCREW	1
49-52	87-254	ネジ	SCREW	2
49-53	87-285	六角穴付きボルト	BOLT	4
49-54	93-213	E型止め輪	E-RING	1
49-55	94-507	メクラフタ	PLUG	1
49-56	94-805	オイルシール	OIL SEAL	1

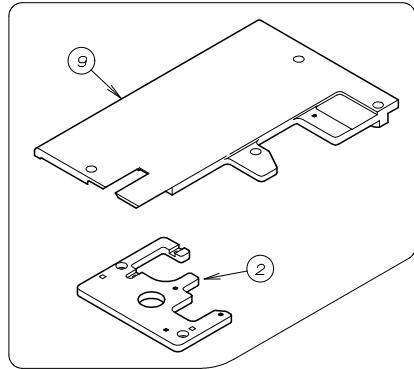
50. NW2202GC用専用部品(2) MODEL NW2202GC EXCLUSIVE PARTS (2)



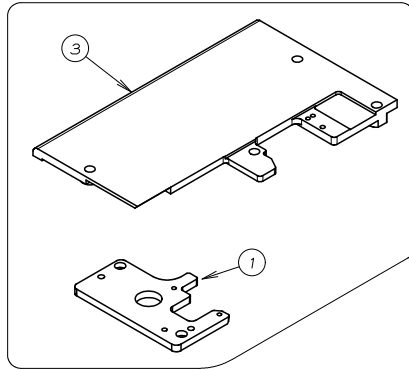
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
50-01	02-118	波ワッシャ	WASHER	1
50-02	07-412	補助押え足	BOTTOM	1
50-03	07-413	補助押え連結	BRACKET	1
50-04	07-414	補助押え生地押え	GUIDE	2
50-05	07-415	補助押えシャフト	SHAFT	1
50-06	07-416	補助押えハネカラー	COLLAR	1
50-07	07-417	補助押え主ハネ	SPRING	1
50-08	07-418	補助ハネ	SPRING	1
50-09	07-419	フックラケット	BRACKET	1
50-10	07-420	レバー	LEVER	1
50-11	07-421	回転レバー	LEVER	1
50-12	07-422	補助針板	PLATE	1
50-13	07-442	補助板	PLATE	1
50-14	07-443	上メス軸カバー	COVER	1
50-15	07-444	メス土台カバー	COVER	1
50-16	71-095	補助押え連結ピン	PIN	1
50-17	75-385	ワッシャ	WASHER	1
50-18	75-453	ワッシャ	WASHER	1
50-19	81-021	フックワッシャ	BUSHING	2
50-20	84-374	ネジ	SCREW	1
50-21	84-396	段ネジ	SCREW	1
50-22	86-211	ナット	NUT	1
50-23	87-104	ネジ	SCREW	1
50-24	87-106	ネジ	SCREW	2
50-25	87-113	六角穴付きボルト	BOLT	4
50-26	87-166	ネジ	SCREW	2
50-27	87-181	ネジ	SCREW	2
50-28	87-249	ネジ	SCREW	2
50-29	87-252	六角穴付きボルト	BOLT	1
50-30	87-321	六角ボルト	BOLT	1
50-31	87-322	ネジ	SCREW	2
50-32	87-415	ネジ	SCREW	5
50-33	07-4120-1	補助押えセット図	GUIDE FOOT ASS'Y	1

51. NW2202GC, GPC, GP用カバー MODEL NW2202GC, GPC, GP COVER ASSEMBLY

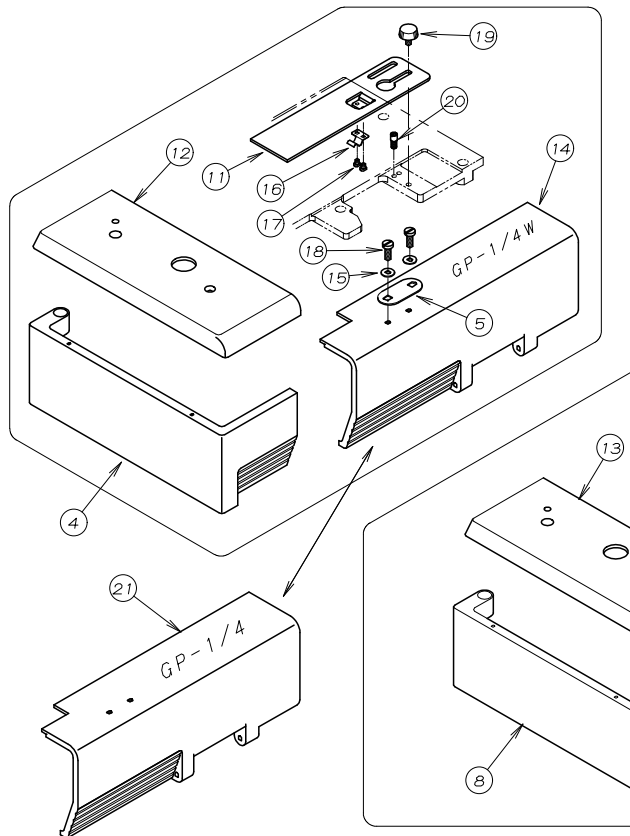
MODEL GPC, GP



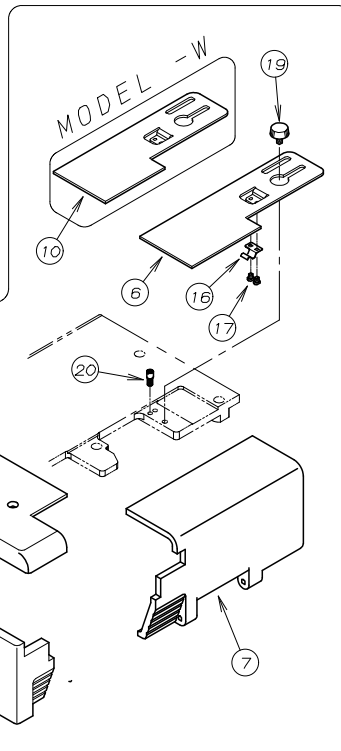
MODEL GC



MODEL GP-1/4W
GP-1/4

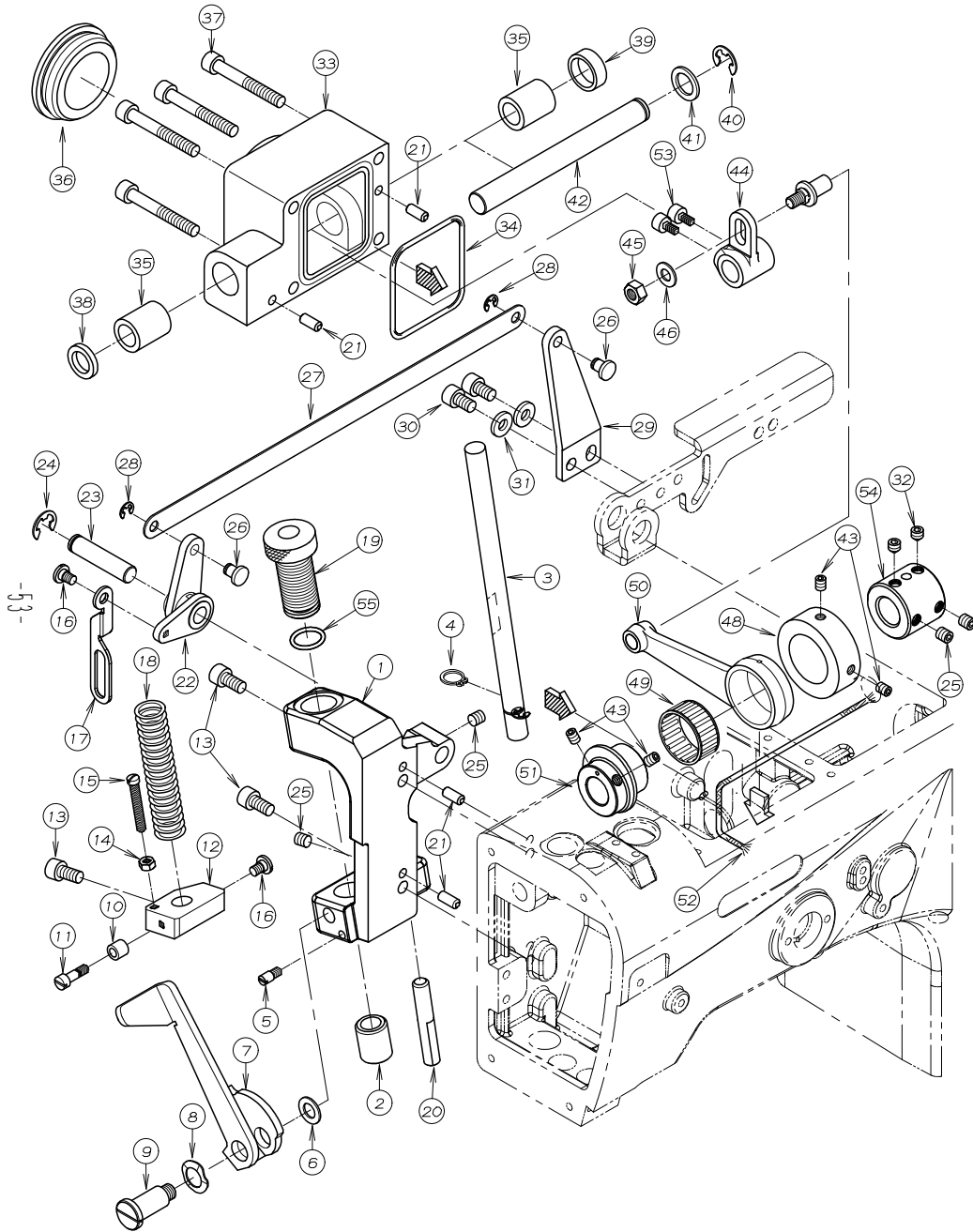


MODEL GC, GPC



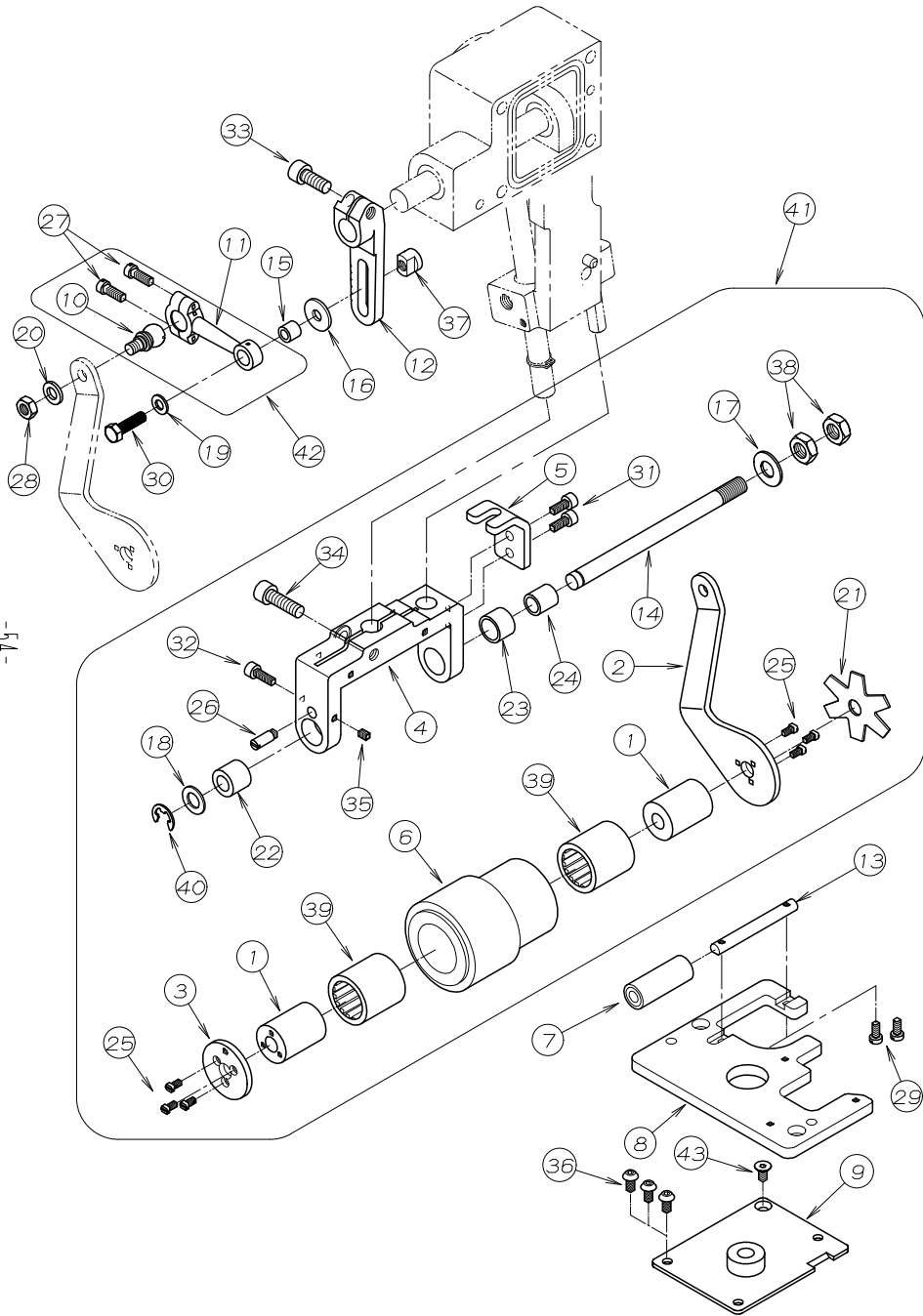
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
51-01	14-147	針板土台	NEEDLE PLATE SUPPORT BRACKET	1
51-02	14-172	針板土台	NEEDLE PLATE SUPPORT BRACKET	1
51-03	21-660	上へ-スカハ-	UPPER COVER	1
51-04	21-666W	横カハ-	SIDE COVER	1
51-05	26-712	取付金具	WASHER	1
51-06	27-103	前へ-スカハ-	FRONT COVER	1
51-07	27-104	前カハ-	FRONT COVER	1
51-08	27-105	ヨコカハ-	SIDE COVER	1
51-09	27-108	上へ-スカハ-	CLOTH COVER	1
51-10	27-109	前へ-スカハ- (幅広用)	FRONT COVER	1
51-11	27-167	前ベースカバー	FRONT BASE COVER	1
51-12	27-393	サイド上へ-スカハ-	SIDE COVER	1
51-13	27-355	サイド上ベースカバー	SIDE COVER	1
51-14	27-375	前カハ-	FRONT COVER	1
51-15	75-455	ワッシャ	WASHER	2
51-16	79-801	ハネ	SPRING	2
51-17	84-167	ネジ	SCREW	4
51-18	84-566	ネジ	SCREW	2
51-19	87-292	調節ネジ	SCREW	2
51-20	87-459	段ネジ	SCREW	2
51-21	21-664	前カハ-	FRONT COVER	1

52. NW2202GPC, GP後プーラー機構(1) REAR PULLER MECHANISM (1)



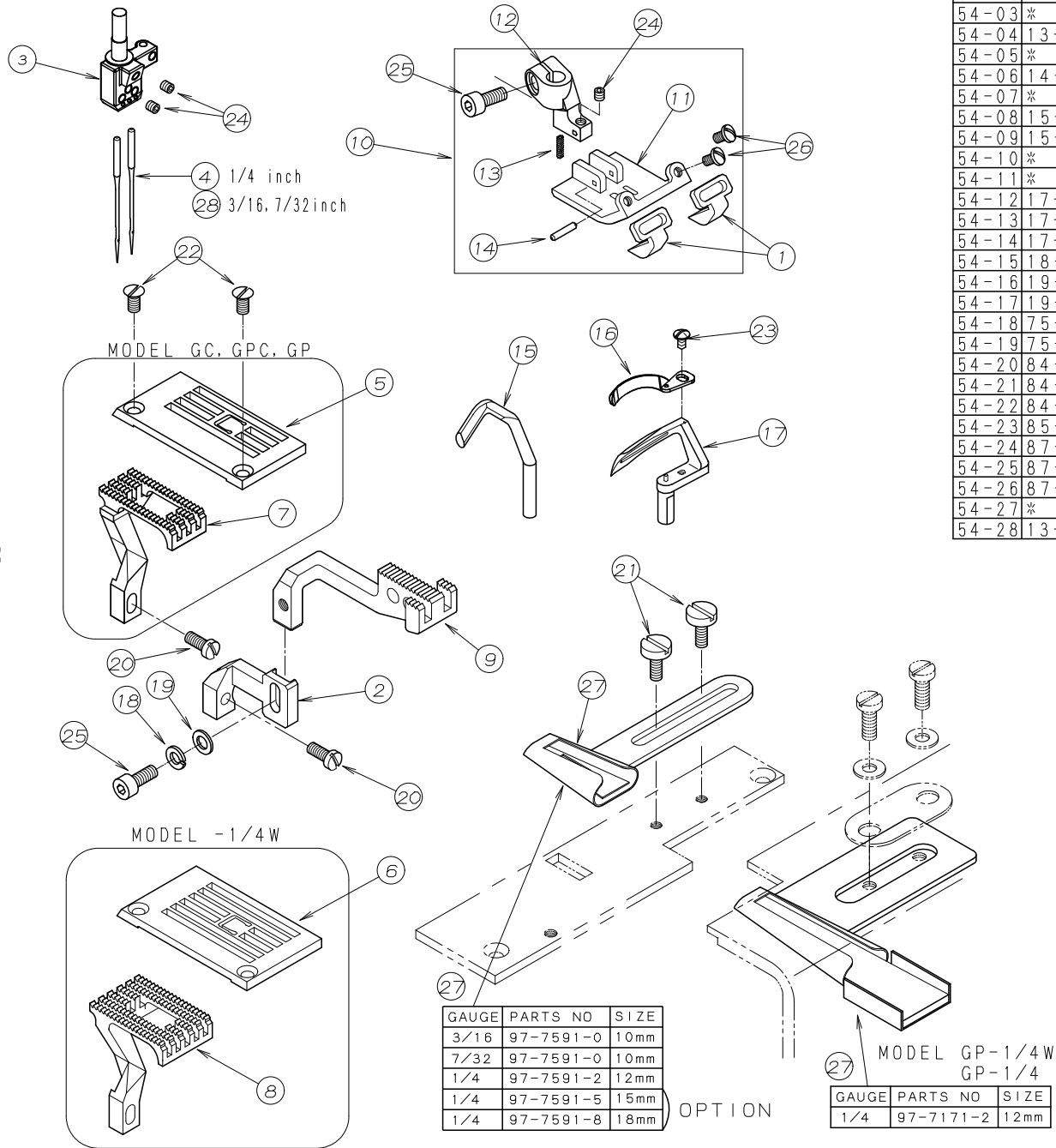
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
52-01	02-225W	後プーラーブ ラケット	REAR PULLER BRACKET	1
52-02	81-133	ブ ッシュ	BUSHING	1
52-03	71-464	後プーラー立シャフト	SHAFT	1
52-04	93-261	Eリング	E-RING	1
52-05	84-562	段ネジ	SCREW	1
52-06	75-519	ワッシャ	WASHER	1
52-07	02-216	手揚用金具	PULLER LIFTING LEVER	1
52-08	02-112	波ワッシャ	CORRUGATED WASHER	1
52-09	85-671	ネジ	SCREW	1
52-10	75-211	カラー	COLLAR	1
52-11	84-582	ネジ	SCREW	1
52-12	02-217	後プーラー立シャフト抱き	BRACKET	1
52-13	87-225	ネジ	SCREW	3
52-14	86-311	ナット	NUT	1
52-15	84-569	ネジ	SCREW	1
52-16	84-581	ネジ	SCREW	2
52-17	02-659	後プーラー抱き連結プレート	CONNECTING PLATE	1
52-18	79-640	バネ	SPRING	1
52-19	87-759	筒ネジ	SCREW	1
52-20	71-729	プーラー回り止メピン	GUIDE PIN	1
52-21	71-208	ノックピン	PIN	4
52-22	02-219	後プーラー揚レバー	LEVER	1
52-23	71-726	シャフト	SHAFT	1
52-24	93-222	Eリング	E-RING	1
52-25	87-172	ネジ	SCREW	4
52-26	77-419	押揚連結ピン	PIN	2
52-27	77-037	押揚連結板	PLATE	1
52-28	93-205	Eリング	E-RING	2
52-29	77-421	押揚レバー	LEVER	1
52-30	87-203	ネジ	SCREW	2
52-31	75-458	ワッシャ	WASHER	2
52-32	87-259	ネジ	SCREW	2
52-33	02-220W	上プーラー軸ケース	BRACKET	1
52-34	23-542	Oリング	O-RING	1
52-35	81-559	上プーラー軸ブ ッシュ	BUSHING	2
52-36	23-541	ゴム栓	PLUG	1
52-37	87-186	ネジ	SCREW	4
52-38	94-502	オイルシール	OIL SEAL	1
52-39	94-506	シールキャップ	PLUG	1
52-40	93-223	Eリング	E-RING	1
52-41	75-187	ワッシャ	WASHER	1
52-42	71-727	上プーラー駆動軸	SHAFT	1
52-43	87-254	ネジ	SCREW	4
52-44	67-528	上プーラー振りレバー	LEVER	1
52-45	88-166	ナット	NUT	1
52-46	75-452	ワッシャ	WASHER	1
52-47	04-502	調節レバーピン	PIN	1
52-48	75-272	スラストカラー	COLLAR	1
52-49	91-413	ニードルベアリング	NEEDLE BEARING	1
52-50	63-535	プーラークランクロッド	CRANK ROD	1
52-51	61-551	プーラーエキセン	ECCENTRIC	1
52-52	23-556	フェルト	FELT	1
52-53	87-024	六角穴付ボルト	BOLT	2
52-54	75-273	上軸ジョイント (P用)	JOINT COLLAR (for P model)	1
52-55	23-289	Oリング	O-RING	1

53. NW2202GPC, GP後プーラー機構(2) REAR PULLER MECHANISM (2)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
53-01	01-115	スリーブ	SLEEVE	2
53-02	02-017	後プーラー連結板	CONNECTING PLATE	1
53-03	02-117	後プーラーハーフフタ	PLATE	1
53-04	02-158	上プーラー土台	REAR PULLER HOLDER	1
53-05	02-250	回り止めブラケット	BRACKET	1
53-06	02-497	スムーズ	SMOOTH PULLER	1
53-07	02-499	下プーラー	LOWER PULLER	1
53-08	14-172	針板土台	NEEDLE PLATE SUPPORT BRACKET	1
53-09	27-367	上油カバー(左)	CRANK CHAMBER COVER	1
53-10	61-810	プーラー連結ロッド玉	CONNECTING ROD BALL	1
53-11	63-809	プーラー連結ロッド	BALL JOINT	1
53-12	67-529	上プーラー駆動レバー	LEVER	1
53-13	71-437	下プーラーシャフト	PULLER SHAFT	1
53-14	71-444	後プーラー台シャフト(中)	SHAFT	1
53-15	75-247	連結メカネローラー	ROLLER	1
53-16	75-407	ワッシャ	WASHER	1
53-17	75-451	ワッシャ	WASHER	1
53-18	75-519	ワッシャ	WASHER	1
53-19	75-520	ワッシャ	WASHER	1
53-20	75-552	ワッシャ	WASHER	1
53-21	79-551	プーラー板ハネ	PULLER PLATE SPRING	1
53-22	81-321	ブッシュ	BUSHING	1
53-23	81-322	ブッシュ	BUSHING	1
53-24	81-323	ブッシュ	BUSHING	1
53-25	84-162	ネジ	SCREW	6
53-26	84-573	段ネジ	SCREW	1
53-27	84-635	ネジ	SCREW	2
53-28	86-411	ナット	NUT	1
53-29	87-010	ネジ	SCREW	2
53-30	87-015	ネジ	SCREW	1
53-31	87-113	六角穴付きボルト	BOLT	2
53-32	87-129	六角穴付きボルト	BOLT	1
53-33	87-171	六角穴付きボルト	BOLT	1
53-34	87-173	六角穴付きボルト	BOLT	1
53-35	87-181	ネジ	SCREW	1
53-36	87-272	ネジ	SCREW	3
53-37	88-005	ナット	NUT	1
53-38	88-179	ナット	NUT	2
53-39	91-407	ワンウェイクラッチ	BEARING	2
53-40	93-221	ストップリンク	E-RING	1
53-41	00-5285	ストップリンク	SMOOTH PULLER ASS'Y	1
53-42	60-8090	ストップリンク	CONNECTING ROD ASS'Y	1
53-43	87-269	ネジ	SCREW	1

54. ゲージ関係 (NW2202G) GAUGE PARTS (NW2202G)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
54-01	07-410	生地カイト	BELT LOOP GUIDE	2
54-02	07-411	補助送り連結	BRACKET	1
54-03	*	針株	NEEDLE HOLDER	1
54-04	13-0160-6	針 (UYX128GAS #16)	NEEDLE	2
54-05	*	針板	NEEDLE PLATE	1
54-06	14-567	針板 (1/4) 2本針幅広	NEEDLE PLATE	1
54-07	*	送歯	FEED DOG	1
54-08	15-878	主送歯 (幅広)	FEED DOG	1
54-09	15-879	補助送歯	FEED DOG	1
54-10	*	押えセット	PRESSER FOOT ASS'Y	1
54-11	*	押え足	BOTTOM	1
54-12	17-8190-A	押え足ホース	SHANK	1
54-13	17-8190-F	ハネ	SPRING	1
54-14	17-8190-G	ピン	PIN	1
54-15	18-811	針受	NEEDLE GUARD	1
54-16	19-116	補助ルーパ	NEEDLE GUIDE	1
54-17	19-539	ルーパ	LOOPER	1
54-18	75-410	スプリング ワッシャ	SPRING WASHER	1
54-19	75-468	ワッシャ	WASHER	1
54-20	84-359	ネジ	SCREW	2
54-21	84-368	ネジ	SCREW	2
54-22	84-464	ネジ	SCREW	2
54-23	85-613	ネジ	SCREW	1
54-24	87-104	ネジ	SCREW	3
54-25	87-113	六角穴付きボルト	BOLT	2
54-26	87-166	ネジ	SCREW	2
54-27	*	フォルダ	FOLDER	1
54-28	13-0140-6	針 (UYX128GAS #14)	NEEDLE	2

*各ゲージ部品の品番は、56ページのゲージパーツ表を参照して下さい。
* Please refer to Page56 GAUGE PARTS LIST

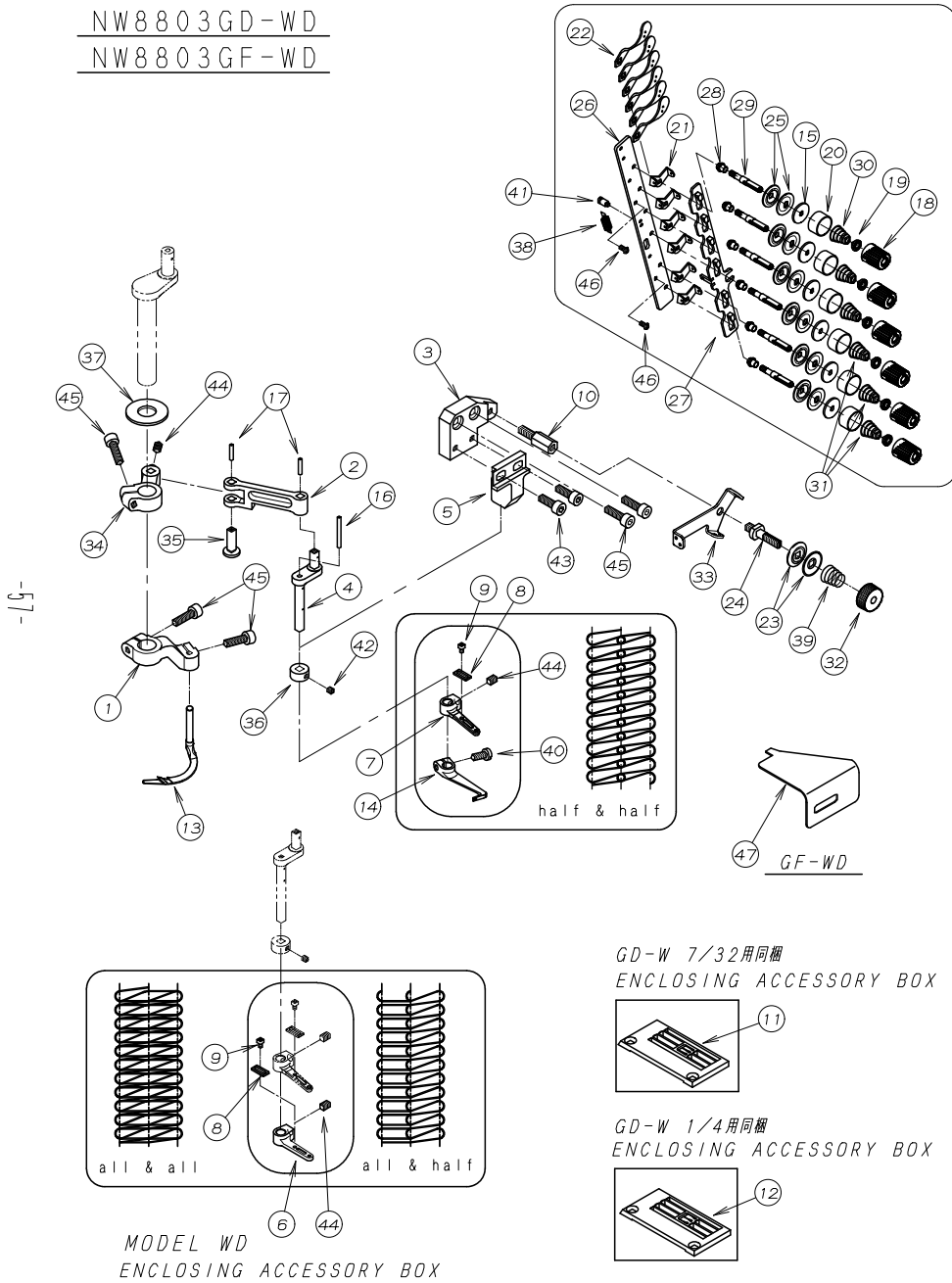
55. ゲージパーツ表 GAUGE PARTS LIST

機種 MODEL	タイプ TYPE	針数 NEEDLE	ゲージ GAUGE	針株 NEEDLE HOLDER	押え組 PRESSER FOOT ASS' Y	送り歯 FEED DOG	針板 NEEDLE PLATE Standard	ルーパー LOOPER	上飾り ルーパー SPREADER	針受(後) NEEDLE GUARD (REAR)	針ガイド(前) NEEDLE GUARD (FRONT)
NW2202	G C G P C	2	3/16	12-0300-1	17-5640-1	15-876	14-886	19-539	X	18-811	19-116
			7/32	12-0260-1	17-5650-1		14-887				
			1/4	12-0270-1	17-5670-1	15-877	14-566				
	-W	2	1/4	12-0270-1	17-5670-1	15-878	14-567				
NW2202GP	-W	2	1/4	12-0270-1	17-5670-1	15-878	14-567				
NW2202	GP	2	1/4	12-0270-1	17-5670-1	15-877	14-566				

56. WDタイプ専用部品 MODEL WD EXCLUSIVE PARTS

NW8803GD-WD

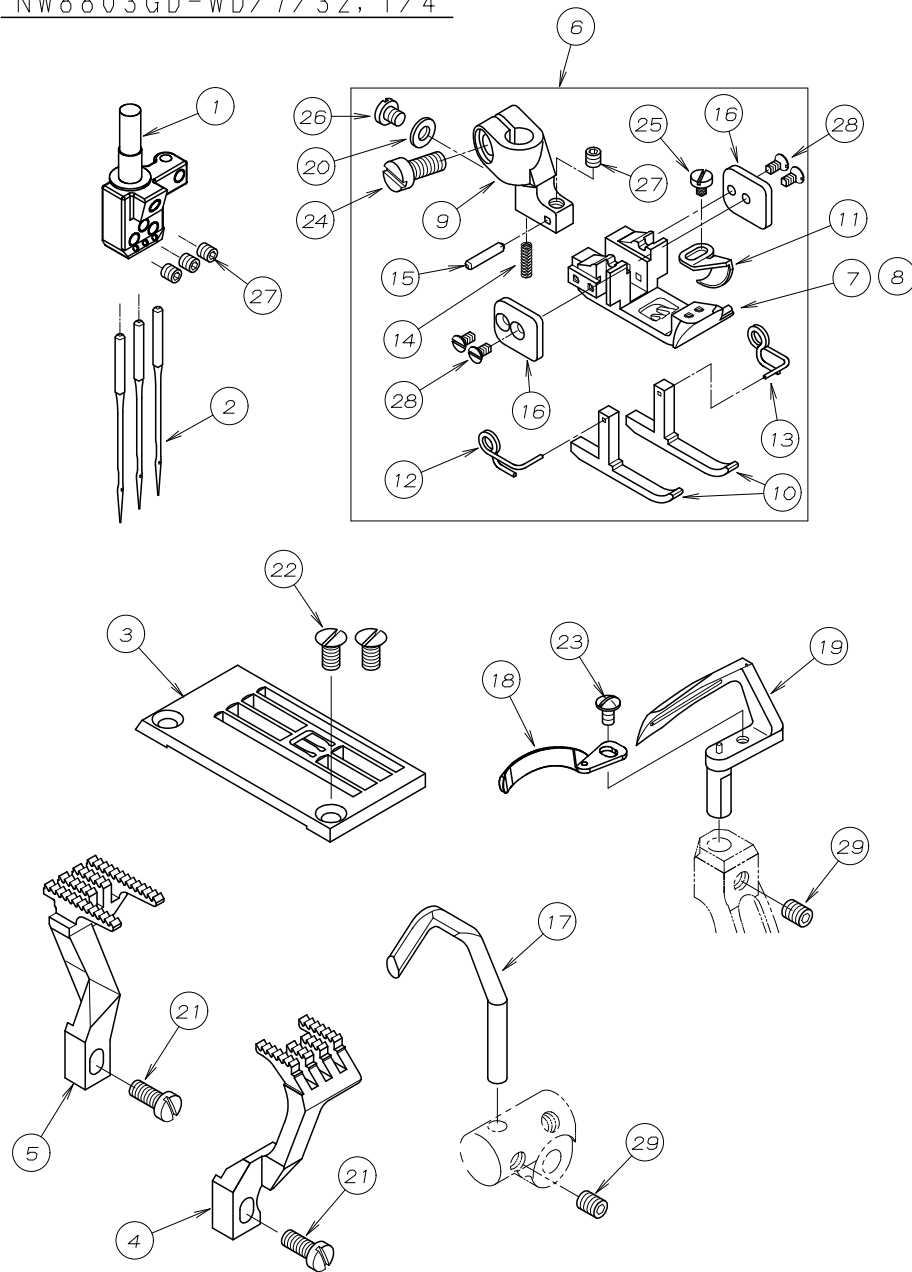
NW8803GF-WD



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
56-01	04-501	スフ レッタ -ホルダ-	HOLDER	1
56-02	04-510	リンク	LINK	1
56-03	04-513	ハースフ ロック	BRACKET	1
56-04	04-514	飾り糸道駆動軸	SHAFT	1
56-05	04-515	飾り糸道案内台	BRACKET	1
56-06	04-517	上飾り糸道 (下)	THREAD EYELET	1
56-07	04-518	上飾り糸道 (上)	THREAD EYELET	1
56-08	04-519	糸穴調節板	THREAD EYELET ADJUSTING PLATE	2
56-09	06-001	六角穴付きボルト	BOLT	2
56-10	06-751	スタット ホルト	STUD BOLT	1
56-11	14-871	針板	NEEDLE PLATE	1
56-12	14-880	針板	NEEDLE PLATE	1
56-13	19-752	2本上飾りルーパーA	SPREADER	1
56-14	19-753	上飾り補助ルーパー	SPREADER	1
56-15	23-324	フェルト	FELT	6
56-16	23-531	フェルト	FELT	1
56-17	23-553	フェルト	FELT	2
56-18	41-104	チャンホ ン皿小ケース	THREAD TENSION NUT	6
56-19	41-105	チャンボン皿ラチェット	SPRING POST	6
56-20	41-106	チャンホ ン大ケース	SPRING CUP	6
56-21	41-115	糸道 (上)	THREAD GUIDE	6
56-22	41-117	糸道 (下)	THREAD GUIDE	6
56-23	41-155	チャンホ ン皿	DISC	2
56-24	41-504	調子棒	TENSION POST	1
56-25	41-509	チャンボン皿	TENSION DISC	12
56-26	41-518	フ ラケット	BRACKET	1
56-27	41-519	糸緩めフ レート	THREAD RELEASER	1
56-28	41-526	調子棒カラー	COLLAR	6
56-29	41-527	調子棒	SCREW STUD	6
56-30	41-701	チャンボン調子バネ (強)	SPRING (HEAVY)	3
56-31	41-702	チャンボン調子バネ (弱)	SPRING (LIGHT)	3
56-32	43-568	小チャンホ ンナット	NUT	1
56-33	45-566	小調子台糸道	THREAD EYELET	1
56-34	67-512	飾り糸道振りレハ ー	LEVER	1
56-35	71-536	ピン	PIN	1
56-36	75-544	カラー	COLLER	1
56-37	75-549	ワッシャ	WASHER	1
56-38	79-514	引張りバネ	SPRING	1
56-39	79-534	ハ ネ	SPRING	1
56-40	84-360	ネジ	SCREW	1
56-41	84-501	ネジ	SCREW	1
56-42	87-104	ネジ	SCREW	1
56-43	87-129	六角穴付きボルト	BOLT	2
56-44	87-181	ネジ	SCREW	3
56-45	87-214	六角穴付きボルト	BOLT	5
56-46	87-482	プラマイナベ小ねじ	SCREW	2
56-47	26-841	F用前定規	GUIDE PLATE FOR F	1

57. ゲージ関係 GAUGE PARTS

NW8803GD-WD/7/32. 1/4

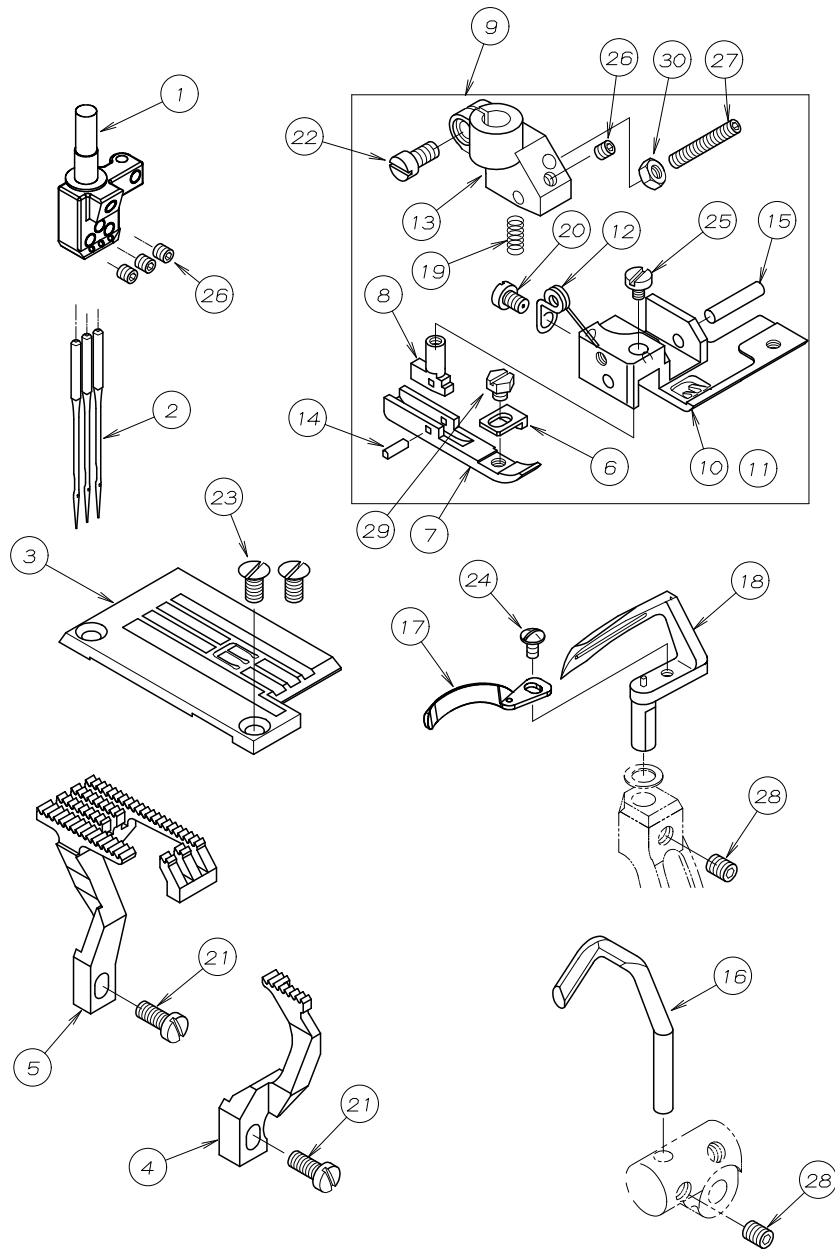


REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
57-01	*	針株	NEEDLE HOLDER	1
57-02	13-0110-6	針 (UYX128GAS #11)	NEEDLE	3
57-03	*	針板 (ショートステッチ)	NEEDLE PLATE (Short Stitch)	1
57-04	15-870	前送歯	FRONT FEED DOG	1
57-05	15-875	後送歯	REAR FEED DOG	1
57-06	*	押えセット	PRESSER FOOT ASS'Y	1
57-07	17-7090-H	押え足3本針7/32	BOTTOM	1
57-08	17-7100-H	押え足3本針1/4	BOTTOM	1
57-09	17-7680-A	押え足ホース	SHANK	1
57-10	17-7680-B	補助押え足	GUIDE	2
57-11	17-7680-L	生地カイト	GUIDE	1
57-12	17-8190-D	補助押え足ハネ (左)	SPRING (LEFT)	1
57-13	17-8190-E	補助押え足ハネ (右)	SPRING (RIGHT)	1
57-14	17-8190-F	ハネ	SPRING	1
57-15	17-8190-G	ピン	PIN	1
57-16	17-8190-J	カイトプレート	GUIDE PLATE	2
57-17	18-811	針受	NEEDLE GUARD	1
57-18	19-116	補助ルーパ	NEEDLE GUIDE	1
57-19	19-539	ルーパ	LOOPER	1
57-20	75-228	ワッシャ	WASHER	1
57-21	84-359	ネジ	SCREW	2
57-22	84-464	ネジ	SCREW	2
57-23	85-613	ネジ	SCREW	1
57-24	87-034	ネジ	SCREW	1
57-25	87-035	ネジ	SCREW	1
57-26	87-083	ネジ	SCREW	1
57-27	87-104	ネジ	SCREW	4
57-28	87-107	ネジ	SCREW	4
57-29	87-181	ネジ	SCREW	2

58. ゲージ関係 GAUGE PARTS

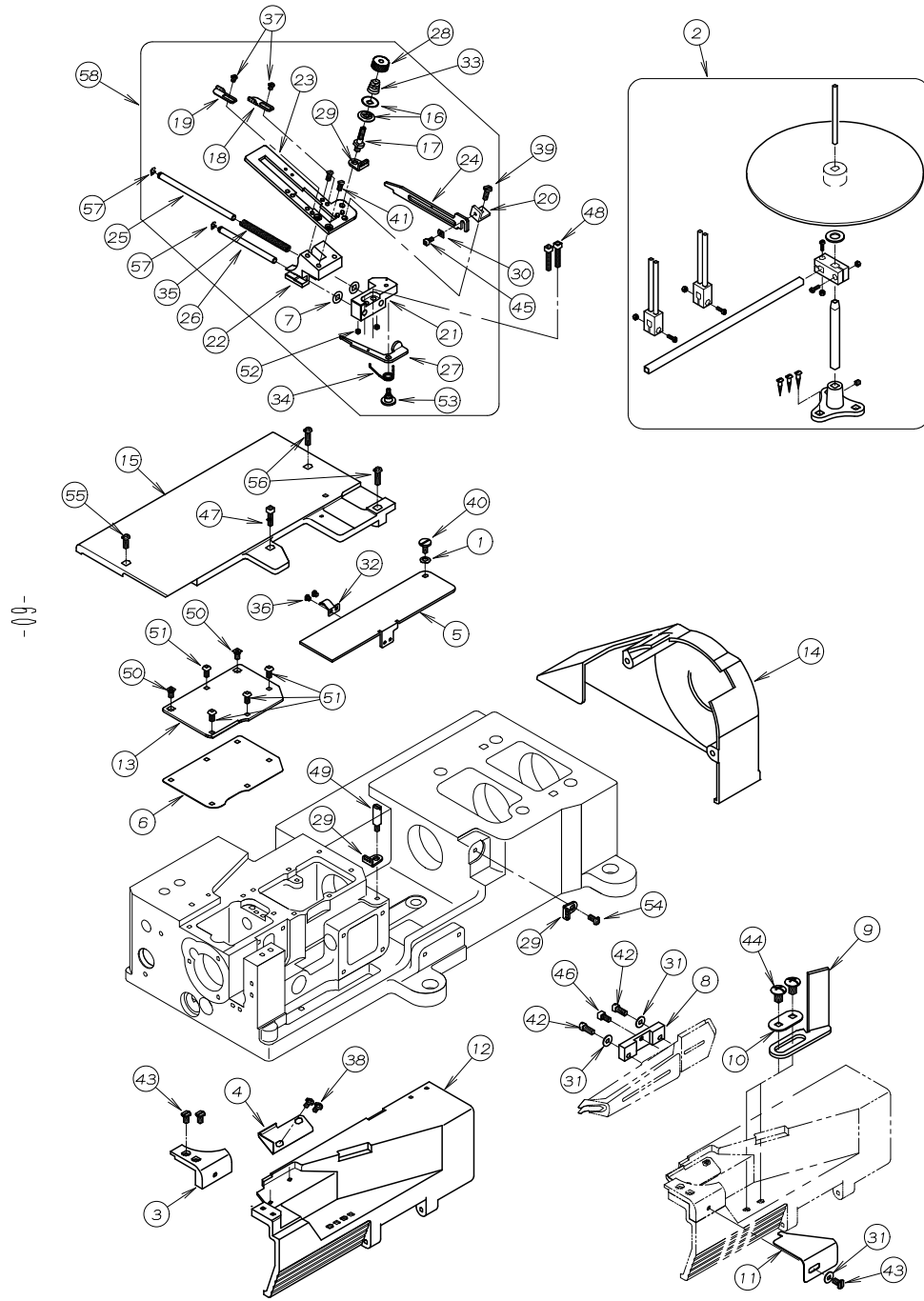
NW8803GF-WD/7/32. 1/4

-66-



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
58-01	*	針株	NEEDLE HOLDER	1
58-02	13-0110-6	針 (UYX128GAS #11)	NEEDLE	3
58-03	*	針板	NEEDLE PLATE	1
58-04	15-839	前送歯	FRONT FEED DOG	1
58-05	15-849	後送歯	REAR FEED DOG	1
58-06	17-1760-K	テーフ°カ°イト°	TAPE GUIDE	1
58-07	17-1760-Y	押えガイド足	GUIDE BRACKET	1
58-08	17-1760-Z	ガイド足金具	GUIDE PIN	1
58-09	*	押えセット	PRESSER FOOT A' SSY	1
58-10	17-1920-N	押え足 (7/32)	BOTTOM	1
58-11	17-1930-N	押え足 (1/4)	BOTTOM	1
58-12	17-7490-L	押え足ハ°ネ	SPRING	1
58-13	17-7760-A	押えホ°ス	SHANK	1
58-14	17-7760-D	ヒ°ン	PIN	1
58-15	17-7760-E	ヒ°ン	PIN	1
58-16	18-811	針受	NEEDLE GUARD	1
58-17	19-116	補助ル°ハ°	NEEDLE GUIDE	1
58-18	19-539	ル°パー	LOOPER	1
58-19	79-191	ハ°ネ	SPRING	1
58-20	84-161	ネジ°	SCREW	1
58-21	84-359	ネジ°	SCREW	2
58-22	84-382	ネジ°	SCREW	1
58-23	84-464	ネジ°	SCREW	2
58-24	85-613	ネジ°	SCREW	1
58-25	85-621	ネジ°	SCREW	1
58-26	87-104	ネジ°	SCREW	4
58-27	87-130	ネジ°	SCREW	1
58-28	87-181	ネジ°	SCREW	2
58-29	87-397	テーフ°カ°イト° 取付ネジ°	BOLT	1
58-30	88-136	ナット	NUT	1

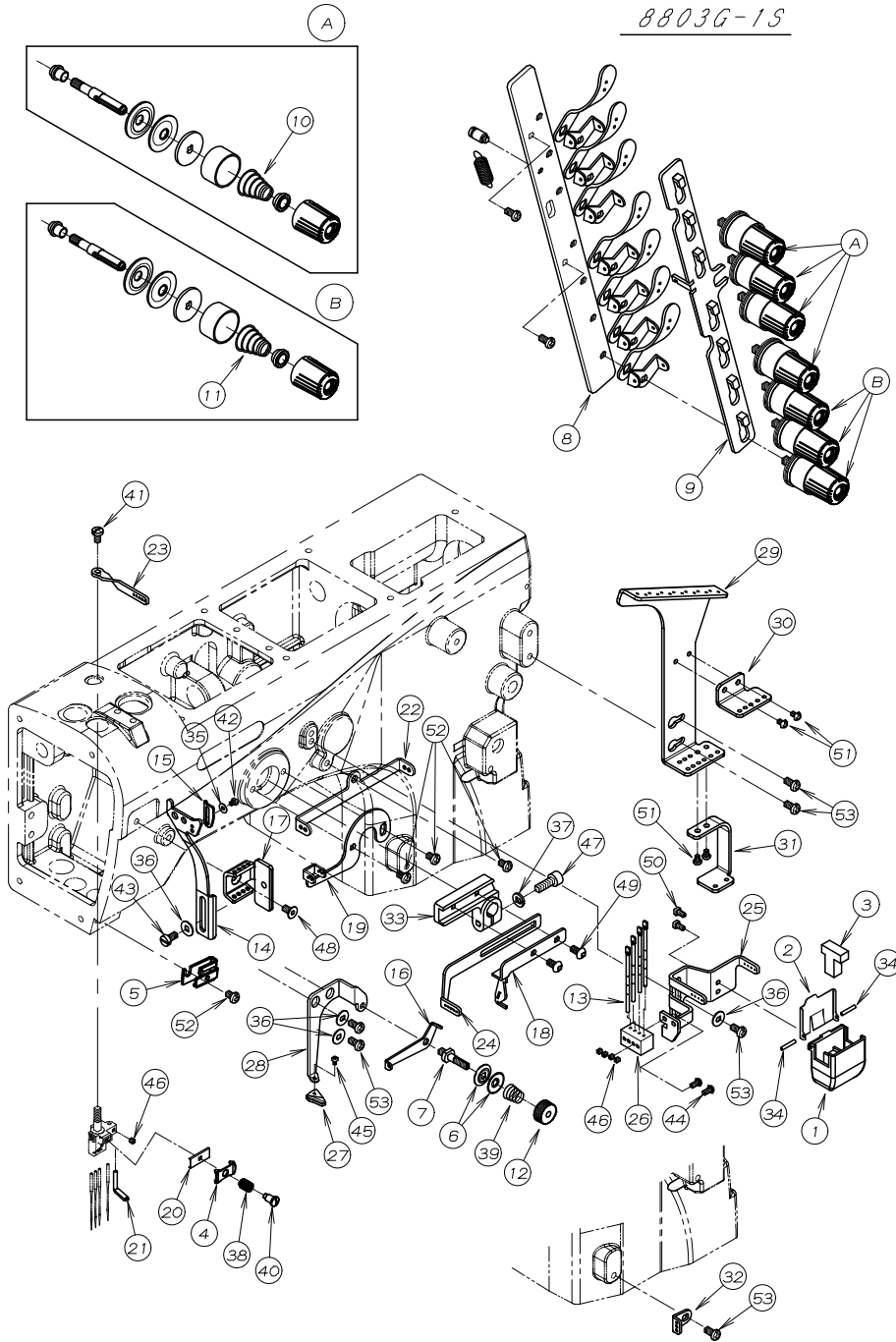
59. NW8803G-1S 専用部品 EXCLUSIVE PARTS



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
59-01	02-118	波ワッシャ	WASHER	1
59-02	20-6150	テープガイドセット	TAPE GUIDE ASSEMBLY	1
59-03	21-822	前カバー (小)	FRONT COVER (S)	1
59-04	21-823	防塵カバー	DUSTPROOF COVER	1
59-05	21-824	前ベースカバー	FRONT BASE COVER	1
59-06	23-061	ヘッドカバー (右) パッキン	GASKET	1
59-07	23-183	Oリング	O-RING	2
59-08	26-724	F用ラッパ抱き	FOLDER BASE FOR F	1
59-09	26-821	F用ラッパ取付台	FOLDER BASE	1
59-10	26-822	ラッパ取付金具	PLATE	1
59-11	26-823	F用前定規	GUIDE PLATE FOR F	1
59-12	27-079	前カバー	FRONT COVER	1
59-13	27-086	ヘッドカバー (右)	COVER	1
59-14	27-373	プーリーカバー	PULLEY COVER	1
59-15	27-374	上ベースカバー	UPPER COVER	1
59-16	41-155	チャンポン皿	DISC	2
59-17	41-504	調子棒	TENSION POST	1
59-18	43-532	下糸系道	THREAD EYELET	1
59-19	43-533	下糸系道	THREAD EYELET	1
59-20	43-548	糸案内取付台	HOLDER	1
59-21	43-561	下糸捌き土台	BRACKET	1
59-22	43-577	下糸捌きスライド土台	SLIDE BRACKET	1
59-23	43-563	下糸捌き板	SUPPORT BRACKET	1
59-24	43-564	糸案内プレート	THREAD GUIDE PLATE	1
59-25	43-578	丸棒ガイド (長)	GUIDE BAR (L)	1
59-26	43-579	丸棒ガイド (短)	GUIDE BAR (S)	1
59-27	43-567	ストップレバー	LEVER	1
59-28	43-568	小チャンポンナット	NUT	1
59-29	47-803	ルーバー系道	THREAD EYELET	3
59-30	75-224	ワッシャ	WASHER	1
59-31	75-455	ワッシャ	WASHER	3
59-32	79-532	前ベースカバー止めハネ	SPRING	1
59-33	79-534	ハネ	SPRING	1
59-34	79-564	レバーハネ	SPRING	1
59-35	79-565	押しハネ	SPRING	1
59-36	84-163	ネジ	SCREW	2
59-37	84-167	ネジ	SCREW	2
59-38	84-361	ネジ	SCREW	2
59-39	84-363	ネジ	SCREW	1
59-40	84-396	段ネジ	SCREW	1
59-41	84-462	ネジ	SCREW	2
59-42	84-572	ネジ	SCREW	2
59-43	84-574	ネジ	SCREW	3
59-44	85-182	ネジ	SCREW	2
59-45	87-123	六角穴付きボルト	BOLT	1
59-46	87-177	六角穴付きボルト	BOLT	1
59-47	87-214	六角穴付きボルト	BOLT	1
59-48	87-230	六角穴付きボルト	BOLT	2
59-49	87-268	カバーストップネジ	SCREW	1
59-50	87-269	ネジ	SCREW	2
59-51	87-272	ネジ	SCREW	4
59-52	87-322	ネジ	SCREW	2
59-53	87-334	レバー止めネジ	SCREW	1
59-54	87-482	プラマイナベ小ねじ	SCREW	1
59-55	87-483	プラマイナベ小ねじ	SCREW	1
59-56	87-485	プラマイナベ小ねじ	SCREW	2
59-57	93-201	Eリング	E-RING	2
59-58	40-5630	下糸捌きセット	LOOPER THREAD EYELET ASS'Y	1

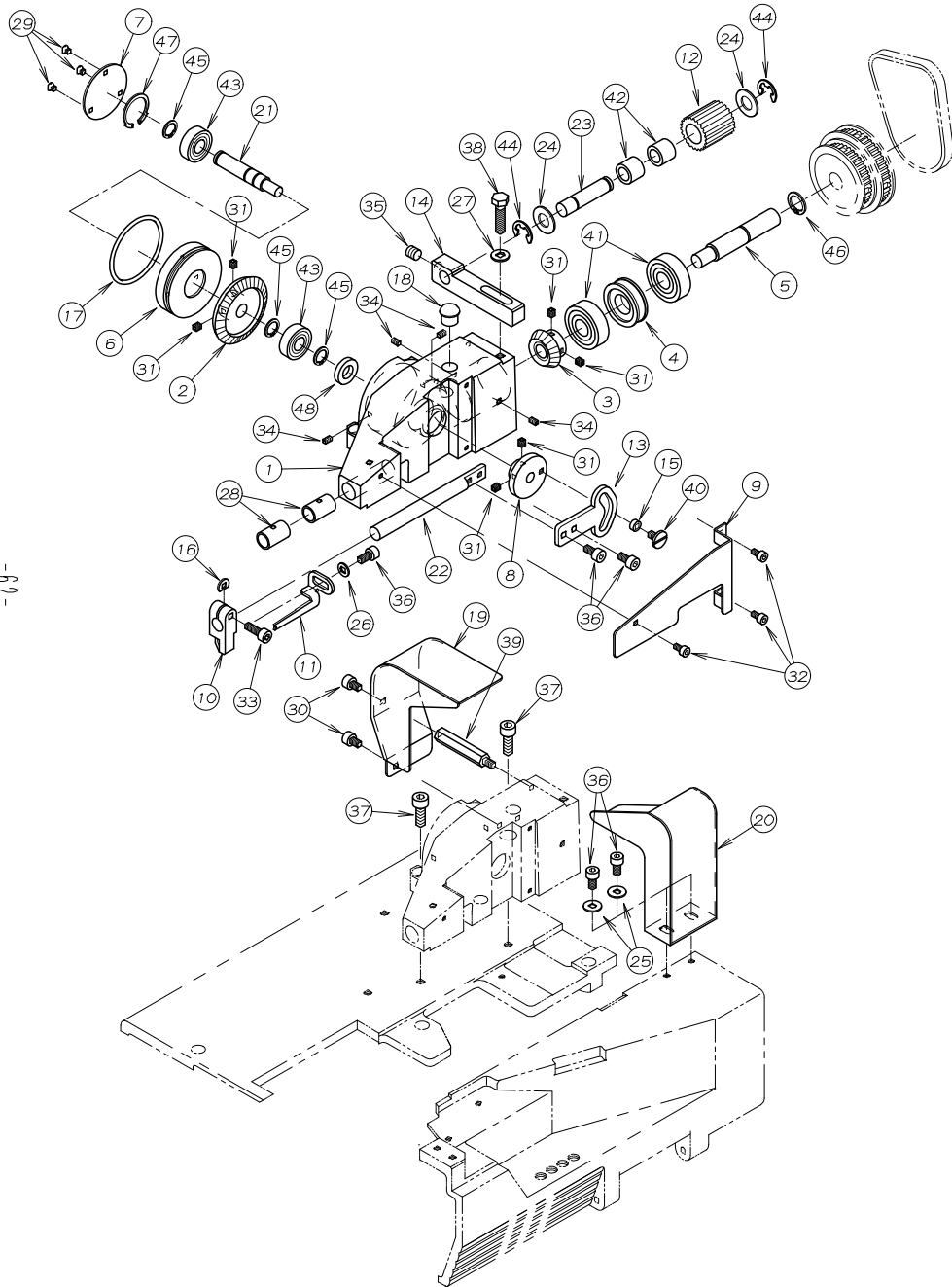
60. NW8803G-1S 糸道関係 THREAD CONTROL MECHANISM

8803G-1S



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
60-01	27-302	シリコンタンク	SILICONE OIL RESERVOIR	1
60-02	27-533	シリコンタンクフタ	COVER	1
60-03	27-534	フェルト	FELT	1
60-04	41-021	カメ糸道	THREAD NIPPER	1
60-05	41-022	小調子台	THREAD GUIDE BRACKET	1
60-06	41-155	チャンホ ^ン 皿	DISC	2
60-07	41-504	調子棒	TENSION POST	1
60-08	41-520	ブラケット	BRACKET	1
60-09	41-521	糸緩めプレート	THREAD RELEASER	1
60-10	41-701	チャンポン調子バネ(強)	SPRING (HEAVY)	4
60-11	41-702	チャンポン調子バネ(弱)	SPRING (LIGHT)	4
60-12	43-568	小チャンホ ^ン ナット	NUT	1
60-13	45-031	糸道	THREAD EYELET	4
60-14	45-033	上糸捌き	THREAD GUIDE	1
60-15	45-034	補助上糸捌き	THREAD GUIDE	1
60-16	45-036	糸道	THREAD EYELET	1
60-17	45-045	上糸カ ^イ ト	GUIDE	1
60-18	45-502	飾り糸捌き	THREAD TAKE-UP	1
60-19	45-507	飾り糸捌き糸道	THREAD EYELET	1
60-20	45-508	針株小調子板	PLATE	1
60-21	45-514	飾り糸道	THREAD EYELET	1
60-22	45-515	飾り糸道	THREAD EYELET	1
60-23	45-535	針棒糸道	THREAD EYELET	1
60-24	45-536	針糸捌き	NEEDLE THREAD TAKE-UP	1
60-25	45-551	シリコンタンク糸道	THREAD EYELET	1
60-26	45-553	ホルタ ^ー	HOLDER	1
60-27	45-560	飾り糸案内	THREAD GUIDE	1
60-28	45-561	飾り糸案内	THREAD GUIDE BRACKET	1
60-29	45-567	糸ガイド	THREAD GUIDE	1
60-30	45-568	糸ガイド糸道	THREAD EYELET	1
60-31	45-569	糸ガイド糸道	THREAD EYELET	1
60-32	47-803	ルーハ ^ー 糸道	THREAD EYELET	1
60-33	67-502	針糸捌き取付台	LEVER	1
60-34	71-202	シリコンタンク用ピ ^ン	SILICONE PIN	2
60-35	75-441	ワッシャ	WASHER	1
60-36	75-455	ワッシャ	WASHER	4
60-37	75-526	スフ ^ー リンク ^{ワッシャ}	SPRING WASHER	1
60-38	79-025	カメ糸道バネ	SPRING	1
60-39	79-534	ハ ^ネ	SPRING	1
60-40	84-021	ハ ^ネ ネカ ^イ ト ^{ネジ}	SCREW	1
60-41	84-374	ネジ	SCREW	1
60-42	87-093	ネジ	SCREW	1
60-43	87-096	ネジ	SCREW	1
60-44	87-099	ネジ	SCREW	1
60-45	87-100	六角穴付きボルト	BOLT	1
60-46	87-104	ネジ	SCREW	5
60-47	87-224	六角穴付きボルト	BOLT	1
60-48	87-269	ネジ	SCREW	1
60-49	87-272	ネジ	SCREW	2
60-50	87-372	タッピングネジ	SCREW	2
60-51	87-476	プラマイナベ小ねじ	SCREW	4
60-52	87-481	プラマイナベ小ねじ	SCREW	4
60-53	87-482	プラマイナベ小ねじ	SCREW	6

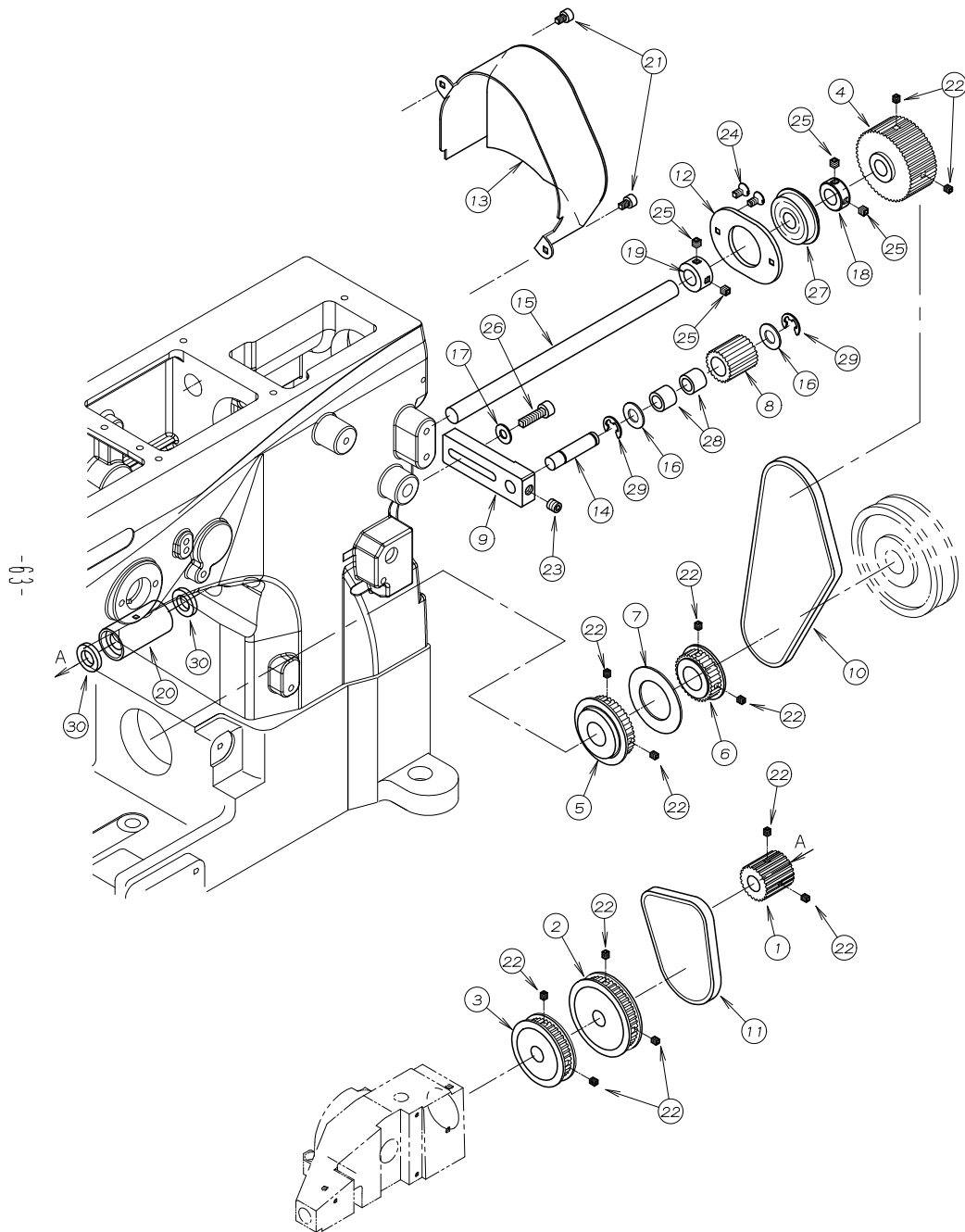
61. NW8803G-1S 駆動機構(1) DRIVE MECHANISM(1)



-02-

REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
61-01	04-055	キヤホックス	GEAR BOX	1
61-02	04-056	すぐばかさ歯車大	GEAR	1
61-03	04-057	すぐばかさ歯車小	GEAR	1
61-04	04-058	スヘーサー	SPACE BUSHING	1
61-05	04-059	フーリーシャフト	SHAFT	1
61-06	04-060	軸受け	HOUSING	1
61-07	04-061	エンドカバー	END COVER	1
61-08	04-062	クランク	CRANK	1
61-09	04-063	キヤホックスカバー	GEAR BOX COVER	1
61-10	04-064	ブラケット	BRACKET	1
61-11	04-065	スカラ爪	NAIL	1
61-12	04-078	アイトラフーリー	AIDLER	1
61-13	04-082	連結プレート	CONNECTING PLATE	1
61-14	04-162	アイトラフーリー軸受	BRACKET	1
61-15	05-430	カイトローラー(小)	GUIDE ROLLER(S)	1
61-16	06-375	スヘーサー	WASHER	1
61-17	23-060	Oリング S38	O-RING	1
61-18	23-501	コム栓	PLUG	1
61-19	27-371	フーリーカバー内	PULLEY COVER	1
61-20	27-372	フーリーカバー外	PULLEY COVER	1
61-21	71-048	メインシャフト	SHAFT	1
61-22	71-049	スライドシャフト	SLIDE SHAFT	1
61-23	71-050	アイトラフーリー軸	SHAFT	1
61-24	75-180	ワッシャ	WASHER	2
61-25	75-455	ワッシャ	WASHER	2
61-26	75-468	ワッシャ	WASHER	1
61-27	75-520	ワッシャ	WASHER	1
61-28	81-558	ブッシュ	BUSHING	2
61-29	84-193	ネジ	SCREW	3
61-30	87-092	六角穴付きボルト	BOLT	2
61-31	87-106	ネジ	SCREW	6
61-32	87-123	六角穴付きボルト	BOLT	3
61-33	87-129	六角穴付きボルト	BOLT	1
61-34	87-139	ネジ	SCREW	4
61-35	87-172	ネジ	SCREW	1
61-36	87-177	六角穴付きボルト	BOLT	5
61-37	87-224	六角穴付きボルト	BOLT	2
61-38	87-386	六角ボルト	BOLT	1
61-39	87-387	支柱ネジ	SCREW	1
61-40	87-414	ネジ	SCREW	1
61-41	91-110	ボールベアリング	BALL BEARING	2
61-42	91-113	ニードルベアリング	NEEDLE BEARING	2
61-43	91-891	ボールベアリング	BALL BEARING	2
61-44	93-221	ストップリング	E-RING	2
61-45	93-227	軸用丸S形止め輪	SNAP RING	3
61-46	93-228	軸用丸S形止め輪	SNAP RING	1
61-47	93-237	穴用丸R形止め輪	SNAP RING	1
61-48	94-805	オイルシール	OIL SEAL	1

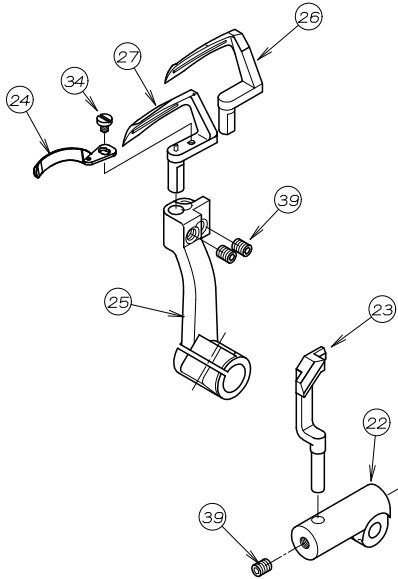
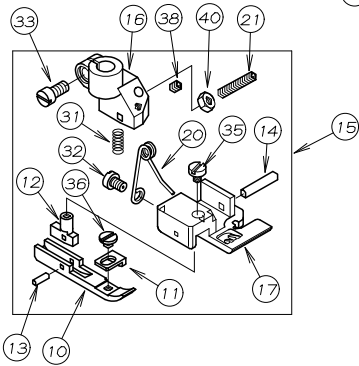
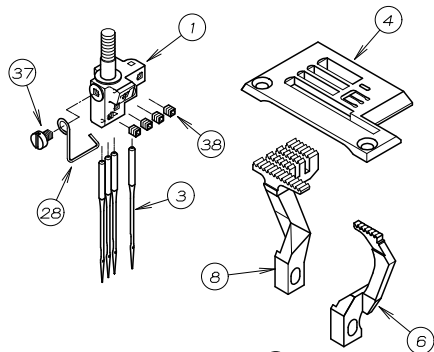
62. NW8803G-1S 駆動機構(2) DRIVE MECHANISM(2)



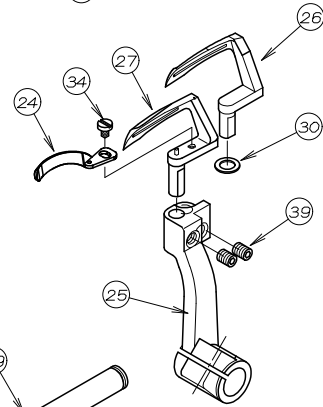
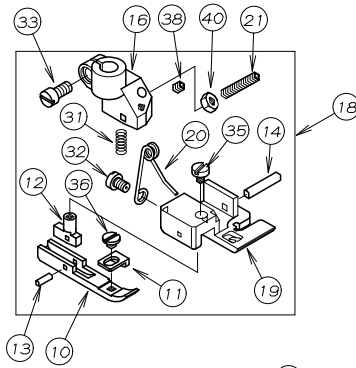
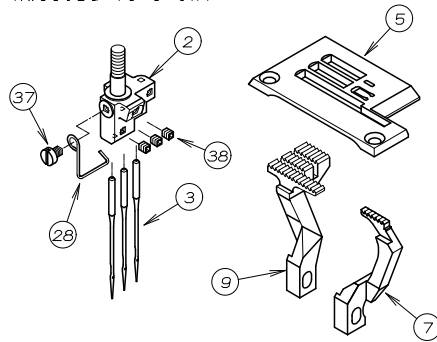
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
62-01	04-066	タイミングプーリー	TIMMING PULLEY	1
62-02	04-067	タイミングプーリー	TIMMING PULLEY	1
62-03	04-069	タイミングプーリー	TIMMING PULLEY	1
62-04	04-072	タイミングプーリー	TIMMING PULLEY	1
62-05	04-073	タイミングプーリー	TIMMING PULLEY	1
62-06	04-074	タイミングプーリー	TIMMING PULLEY	1
62-07	04-076	フランジ	FLANGE	1
62-08	04-078	アイトラフーリー	AIDLER	1
62-09	04-161	アイトラフーリー軸受	BRACKET	1
62-10	04-163	タイミングベルト	TIMMING BELT	1
62-11	04-164	タイミングベルト	TIMMING BELT	1
62-12	25-105	ベアリング止め板	SET PLATE	1
62-13	27-370	プーリーカバー	PULLEY COVER	1
62-14	71-050	アイトラフーリー軸	SHAFT	1
62-15	71-057	タイミングプーリー軸	SHAFT	1
62-16	75-180	ワッシャ	WASHER	2
62-17	75-453	ワッシャ	WASHER	1
62-18	75-537	カラー	COLLAR	1
62-19	75-562	カラー	COLLAR	1
62-20	81-054	プーリー軸ブッシュ	BUSHING	1
62-21	87-092	六角穴付きボルト	BOLT	2
62-22	87-106	ネジ	SCREW	12
62-23	87-172	ネジ	SCREW	1
62-24	87-249	ネジ	SCREW	2
62-25	87-274	ネジ	SCREW	4
62-26	87-291	六角穴付きボルト	BOLT	1
62-27	91-108	ボールベアリング	BEARING	1
62-28	91-113	ニードルベアリング	NEEDLE BEARING	2
62-29	93-221	ストップリング	E-RING	2
62-30	94-222	オイルシール	OIL SEAL	2

63. NW8803G-1S ゲージ関係 GAUGE PARTS

NW8803G-1S-7/32X4



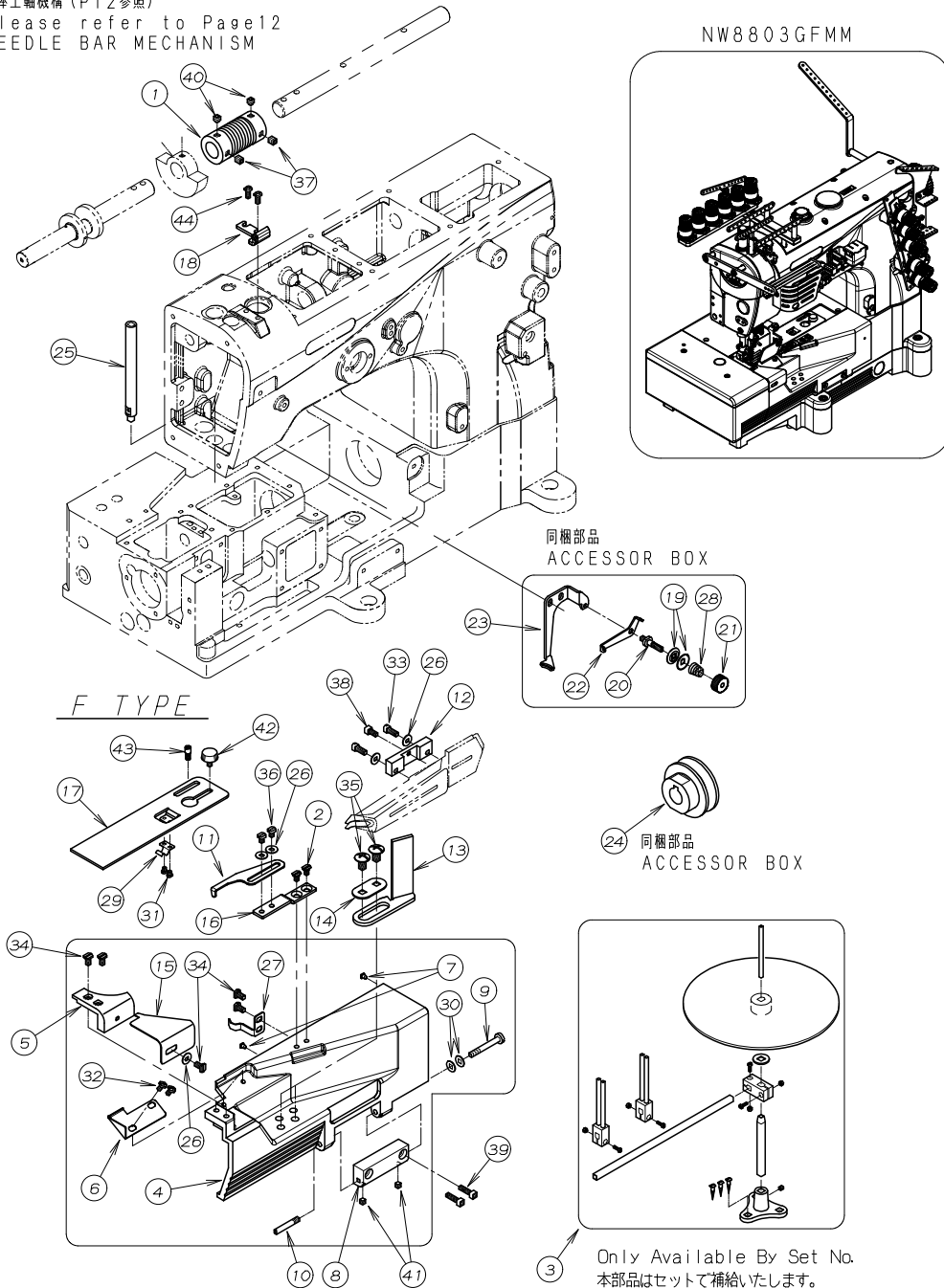
NW8802G-1S-3.5X4



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
63-01	12-836	針株7/32-4 (4本針)	NEEDLE HOLDER	1
63-02	12-837	針株3.5-4 (3本針)	NEEDLE HOLDER	1
63-03	13-0110-6	針(UYX128GAS #11)	NEEDLE	*
63-04	14-783	針板	NEEDLE PLATE	1
63-05	14-792	針板	NEEDLE PLATE	1
63-06	15-811	前送歯	FRONT FEED DOG	1
63-07	15-813	前送歯	FRONT FEED DOG	1
63-08	15-848	後送歯	FEED DOG	1
63-09	15-850	後送歯	FEED DOG	1
63-10	17-1760-C	押えカゝイトゝ足	GUIDE BRACKET	1
63-11	17-1760-K	テープカゝイトゝ	TAPE GUIDE	1
63-12	17-1760-L	カゝイトゝ足金具	GUIDE PIN	1
63-13	17-7760-D	ヒゝン	PIN	1
63-14	17-7760-E	ヒゝン	PIN	1
63-15	17-7910-1	押えセット(7/32-5/32)	PRESSER FOOT ASS'Y	1
63-16	17-7910-A	押えホゝス	SHANK	1
63-17	17-7910-B	押え足	BOTTOM	1
63-18	17-7990-1	押えセット(3.5-4)	PRESSER FOOT ASS'Y	1
63-19	17-7990-B	押え足	BOTTOM	1
63-20	17-8260-F	押え足金具ハゝネ	SPRING	1
63-21	17-8910-C	ネジ	SCREW	1
63-22	18-809	針受取付台	NEEDLE GUARD BASE	1
63-23	18-810	針受け	NEEDLE GUARD	1
63-24	19-116	補助ルゝハゝ	NEEDLE GUIDE	1
63-25	19-537	ルゝハゝ台	LOOPER HOLDER	1
63-26	19-538	後ルゝハゝ	REAR LOOPER	1
63-27	19-539	ルゝハゝ	LOOPER	1
63-28	45-562	針糸道	THREAD GUIDE BAR	1
63-29	71-659	針受け軸	SHAFT NEEDLE GUARD	1
63-30	75-533	後ルゝハゝ用平座金	WASHER	1
63-31	79-191	ハゝネ	SPRING	1
63-32	84-161	ネジ	SCREW	1
63-33	84-382	ネジ	SCREW	1
63-34	85-618	ネジ	SCREW	1
63-35	85-621	ネジ	SCREW	1
63-36	87-077	ネジ	SCREW	1
63-37	87-095	ネジ	SCREW	1
63-38	87-104	ネジ	SCREW	4-5
63-39	87-181	ネジ	SCREW	3
63-40	88-136	ナット	NUT	1

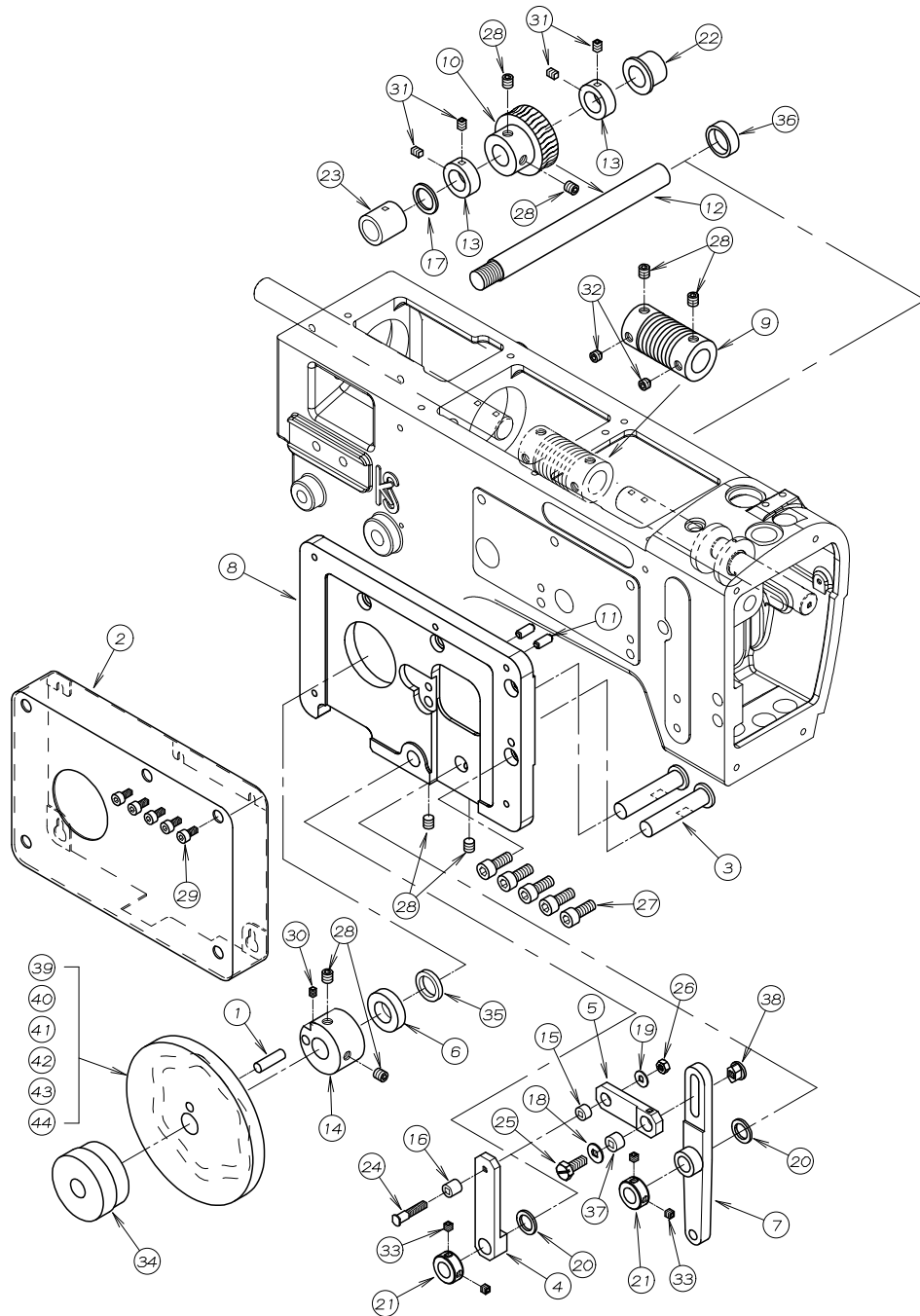
64. NW3303GFMM 専用部品 EXCLUSIVE PARTS

針棒上軸機構 (P12参照)
Please refer to Page12
NEEDLE BAR MECHANISM



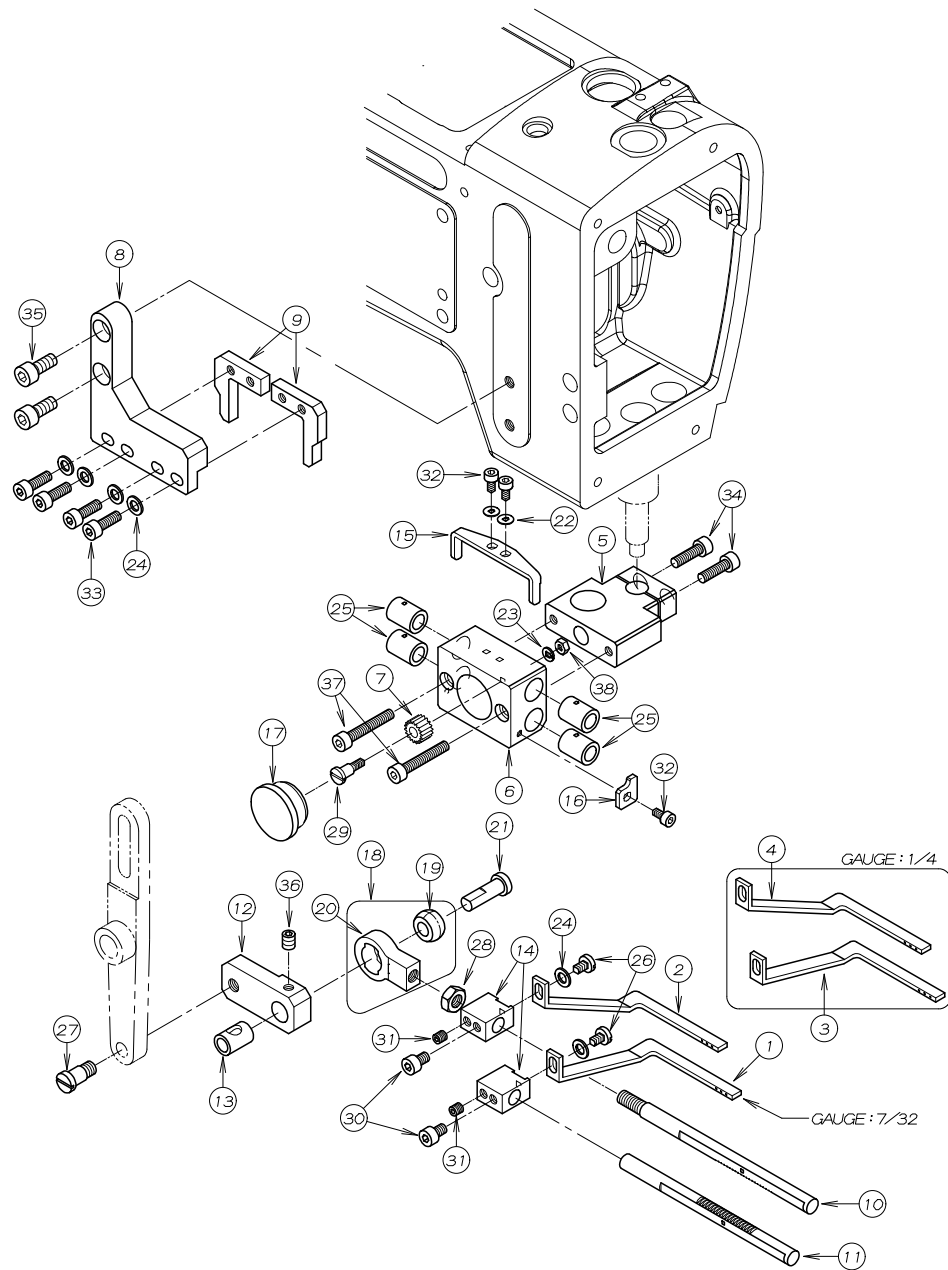
REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
64-01	04-165	ウォーム	WORM	1
64-02	05-074	ネジ	SCREW	2
64-03	20-6150	テープガイドセット	TAPE GUIDE ASSEMBLY	1
64-04	21-821W	前カバー	FRONT COVER	1
64-05	21-822	前カバー - (小)	FRONT COVER (S)	1
64-06	21-986	防塵カバー	DUSTPROOF COVER	1
64-07	23-512	クッションゴム	CUSHION RUBBER	2
64-08	25-516W	定規台ヒンジ	HINGE	1
64-09	25-517	ヒンジネジ	SCREW	1
64-10	25-527	カバーヒンジネジ	SCREW	1
64-11	26-008	テープガイド	GUIDE	1
64-12	26-724	F用ラッパ抱き	FOLDER BASE FOR F	1
64-13	26-821	F用ラッパ取付台	FOLDER BASE	1
64-14	26-822	ラッパ取付金具	PLATE	1
64-15	26-823	F用前定規	GUIDE PLATE FOR F	1
64-16	26-835	テープガイド取付台 (F用)	GUIDE SUPPORT	1
64-17	27-167	前ベースカバー	FRONT BASE COVER	1
64-18	27-391	上糸捌き補助フック	BRACKET	1
64-19	41-155	チャンホン皿	DISC	2
64-20	41-504	調子棒	TENSION POST	1
64-21	43-568	小チャンホンナット	NUT	1
64-22	45-036	糸道	THREAD EYELET	1
64-23	45-539	飾り糸案内	BRACKET	1
64-24	69-851	φ50モータプーリー	φ50MOTOR PULLEY	1
64-25	71-568	押え棒	PRESSER FOOT BAR	1
64-26	75-455	ワッシャ	WASHER	5
64-27	79-530	前カバー止めハネ	SPRING	1
64-28	79-534	ハネ	SPRING	1
64-29	79-801	ハネ	SPRING	1
64-30	79-922	皿ハネ	SPRING	2
64-31	84-167	ネジ	SCREW	2
64-32	84-361	ネジ	SCREW	2
64-33	84-572	ネジ	SCREW	2
64-34	84-574	ネジ	SCREW	5
64-35	85-182	ネジ	SCREW	2
64-36	87-098	ネジ	SCREW	2
64-37	87-172	ネジ	SCREW	2
64-38	87-177	六角穴付きボルト	BOLT	1
64-39	87-214	六角穴付きボルト	BOLT	2
64-40	87-259	ネジ	SCREW	2
64-41	87-274	ネジ	SCREW	2
64-42	87-292	調節ネジ	SCREW	1
64-43	87-459	段ネジ	SCREW	1
64-44	87-482	プラマイナベ小ねじ	SCREW	2

65. MM 飾ルパー機構 (1) SPREADER MECHANISM (1)



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
65-01	04-008	カムカラーピン	PIN	1
65-02	04-020	ヘースカバー	COVER	1
65-03	04-021	カムレバースhaft	SHAFT	2
65-04	04-022	カムリンクレバ	CAM LEVER	1
65-05	04-023	カム連結リンク	LINK	1
65-06	04-042	カムスヘーサー	SPACER	1
65-07	04-044	断り糸振りレバ	SPREADER DRIVE LEVER	1
65-08	04-159	カム取付ヘース	BASE BRACKET	1
65-09	04-165	ウォーム	WORM	1
65-10	04-166	ウォームホイール	WORM WHEEL	1
65-11	71-208	ロックピン	PIN	2
65-12	71-763	カムShaft	SHAFT	1
65-13	75-112	カラー	COLLAR	2
65-14	75-182	カムカラー-B	CAM COLLAR (B)	1
65-15	75-257	カム連結ローラー	LINK ROLLER	1
65-16	75-260	ローラー	ROLLER	1
65-17	75-332	ワッシャ	WASHER	1
65-18	75-453	ワッシャ	WASHER	1
65-19	75-455	ワッシャ	WASHER	1
65-20	75-504	ワッシャ	WASHER	2
65-21	75-537	カラー	COLLAR	2
65-22	81-579	カムShaftブッシュ	BUSHING	1
65-23	81-690	ブッシュ	BUSHING	1
65-24	84-607	ネジ	SCREW	1
65-25	84-812	ネジ	SCREW	1
65-26	86-311	ナット	NUT	1
65-27	87-171	六角穴付きボルト	BOLT	5
65-28	87-172	ネジ	SCREW	8
65-29	87-177	六角穴付きボルト	BOLT	5
65-30	87-181	ネジ	SCREW	1
65-31	87-254	ネジ	SCREW	4
65-32	87-259	ネジ	SCREW	2
65-33	87-274	ネジ	SCREW	4
65-34	88-462	カム固定ナット	NUT	1
65-35	94-214	オイルシール	OIL SEAL	1
65-36	94-506	オイルシール	OIL SEAL	1
65-37	98-573	ブッシュ	BUSHING	1
65-38	98-597	ナット	NUT	1
65-39	04-357	カムNo. 7	CAM No. 7	1
65-40	04-358	カムNo. 8	CAM No. 8	1
65-41	04-359	カムNo. 9	CAM No. 9	1
65-42	04-360	カムNo. 10	CAM No. 10	1
65-43	04-362	カムNo. 12	CAM No. 12	1
65-44	04-363	カムNo. 13	CAM No. 13	1

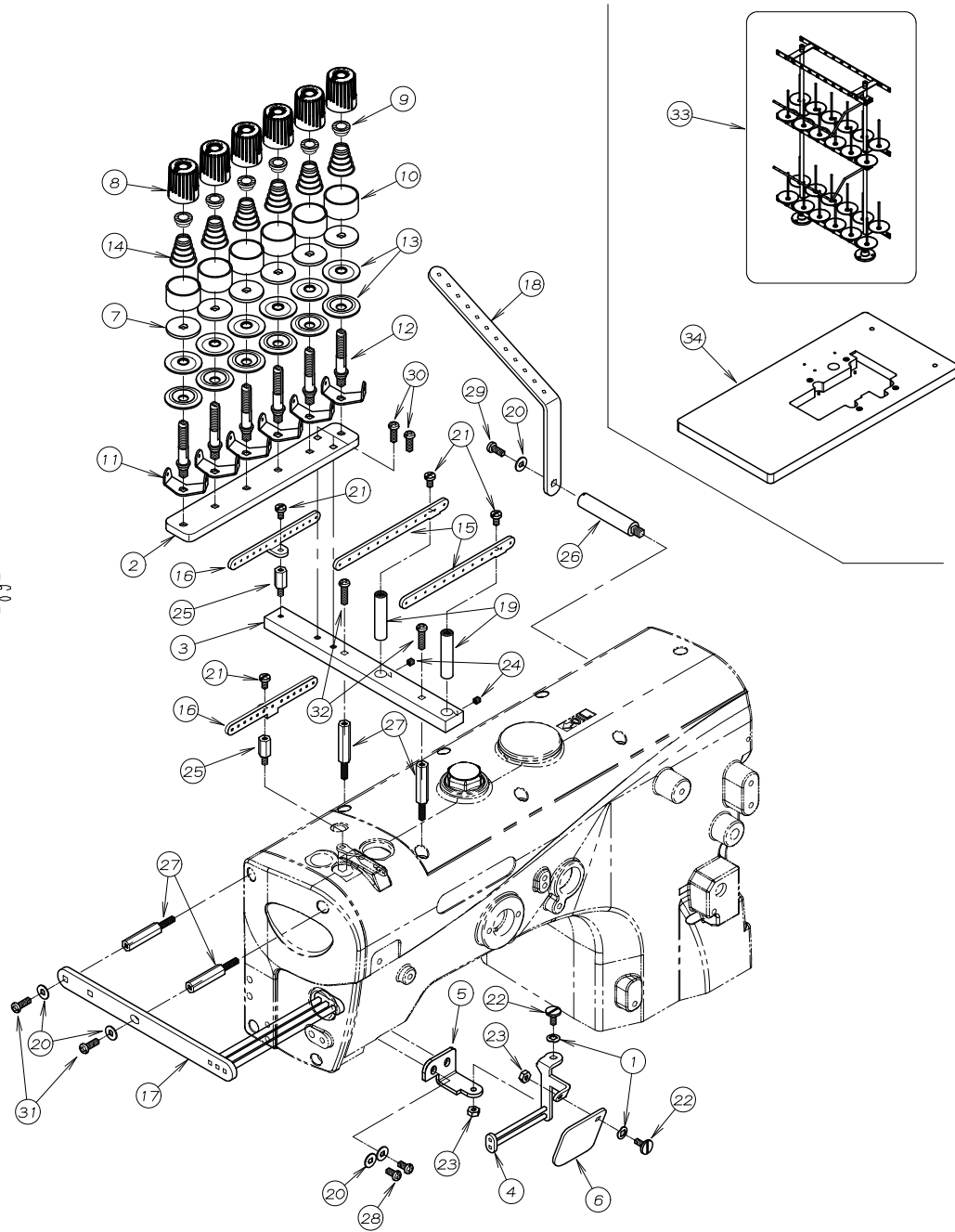
66. MM 飾ルパー機構 (2) SPREADER MECHANISM (2)



-07-

REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
66-01	04-027	飾り糸ルパー°-下右 (7/32)	SPREADER 7/32 (LOWER)	1
66-02	04-028	飾り糸ルパー°-上右 (7/32)	SPREADER 7/32 (UPPER)	1
66-03	04-029	飾り糸ルパー°-下右 (1/4)	SPREADER 1/4 (LOWER)	1
66-04	04-030	飾り糸ルパー°-上右 (1/4)	SPREADER 1/4 (UPPER)	1
66-05	04-031	丸ラック用フ ラケット	BRACKET	1
66-06	04-032	ラックハウシ ング	RACK HOUSING	1
66-07	04-033	ヒ° ニオンキ ャー	GEAR	1
66-08	04-034	カ° イト° フ ラケット	GUIDE BRACKET	1
66-09	04-035	カ° イト° フ レート	GUIDE PLATE	2
66-10	04-036	丸ラック	RACK	1
66-11	04-037	丸ラック	RACK	1
66-12	04-038	飾糸振りリンク	LINK	1
66-13	04-039	フ° ッシュ	BUSHING	1
66-14	04-043	飾り糸ルパー°-取付台	SPREADER HOLDER	2
66-15	04-045	回り止め	STOPPER	1
66-16	04-046	回り止め	STOPPER	1
66-17	23-427	コ° ム栓	PLUG	1
66-18	60-8080	連結ロッドセット	CONNECTING ROD ASS'Y	1
66-19	61-809	連結ロッド玉	BALL JOINT	1
66-20	63-808	連結ロッド (右)	CONNECTING ROD	1
66-21	71-809	連結ヒ° ン	PIN	1
66-22	75-441	ワッシャ	WASHER	2
66-23	75-445	スフ° リング° ワッシャ	SPRING WASHER	1
66-24	75-468	ワッシャ	WASHER	6
66-25	81-141	ブッシュ	BUSHING	4
66-26	84-361	ネジ°	SCREW	2
66-27	84-653	ネジ°	SCREW	1
66-28	86-411	ナット	NUT	1
66-29	87-068	段ネジ°	SCREW	1
66-30	87-092	六角穴付きボルト	BOLT	2
66-31	87-106	ネジ°	SCREW	2
66-32	87-123	六角穴付きボルト	BOLT	3
66-33	87-129	六角穴付きボルト	BOLT	4
66-34	87-214	六角穴付きボルト	BOLT	2
66-35	87-252	六角穴付きボルト	BOLT	2
66-36	87-254	ネジ°	SCREW	1
66-37	87-285	六角穴付きボルト	BOLT	2
66-38	88-137	ナット	NUT	1

67. MM 糸調子機構 (3) THREAD TENSION MECHANISM (3)

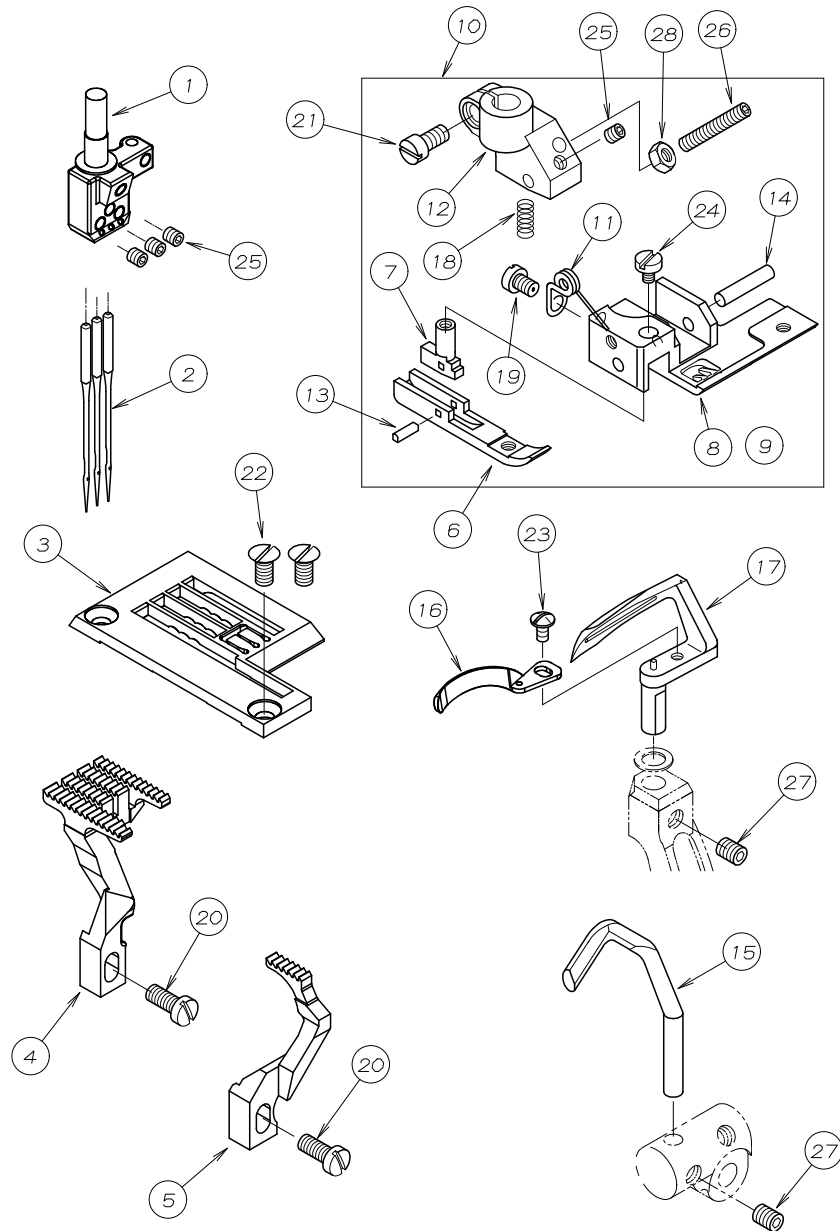


REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
67-01	02-118	波ワッシャ	WASHER	2
67-02	04-015	飾り用チャンポン台	PLATE	1
67-03	04-016	飾り下捌き土台	BRACKET	1
67-04	04-018	飾り案内糸道	THREAD GUIDE	1
67-05	04-167	飾り案内糸道取付台	PLATE	1
67-06	21-626	保護カバー	COVER	1
67-07	23-324	フェルト	FELT	6
67-08	41-104	チャンポン皿小ケース	THREAD TENSION NUT	6
67-09	41-105	チャンポン皿ラチェット	SPRING POST	6
67-10	41-106	チャンポン皿大ケース	SPRING CUP	6
67-11	41-115	糸道 (上)	THREAD GUIDE	6
67-12	41-508	調子棒 (中)	SCREW STUD	6
67-13	41-509	チャンポン皿	TENSION DISC	12
67-14	41-702	チャンポン調子バネ (弱)	SPRING (LIGHT)	6
67-15	45-342	糸道	THREAD EYELET	2
67-16	45-344	糸道	THREAD EYELET	2
67-17	45-345	飾り糸カイト	GUIDE THREAD	1
67-18	47-176	糸道下	THREAD EYELET	1
67-19	71-370	糸道取付け棒	PIN	2
67-20	75-455	ワッシャ	WASHER	5
67-21	84-374	ネジ	SCREW	4
67-22	84-396	段ネジ	SCREW	2
67-23	86-211	ナット	NUT	2
67-24	87-286	ネジ	SCREW	2
67-25	87-319	支柱ネジ	SCREW	2
67-26	87-411	支柱ネジ	SCREW	1
67-27	87-309	支柱ネジ	SCREW	4
67-28	87-482	プラマイナベ小ねじ	SCREW	2
67-29	87-483	プラマイナベ小ねじ	SCREW	1
67-30	87-484	プラマイナベ小ねじ	SCREW	2
67-31	87-484	プラマイナベ小ねじ	SCREW	2
67-32	87-486	プラマイナベ小ねじ	SCREW	2
67-33	42-024	24本糸立てセット	THREAD STAND ASSEMBLY ASS'Y (12)	1
67-34	21-018	テーブル	TABLE	1

68. ゲージ関係 GAUGE PARTS

NW3303GFMM/7/32, 1/4

-60-

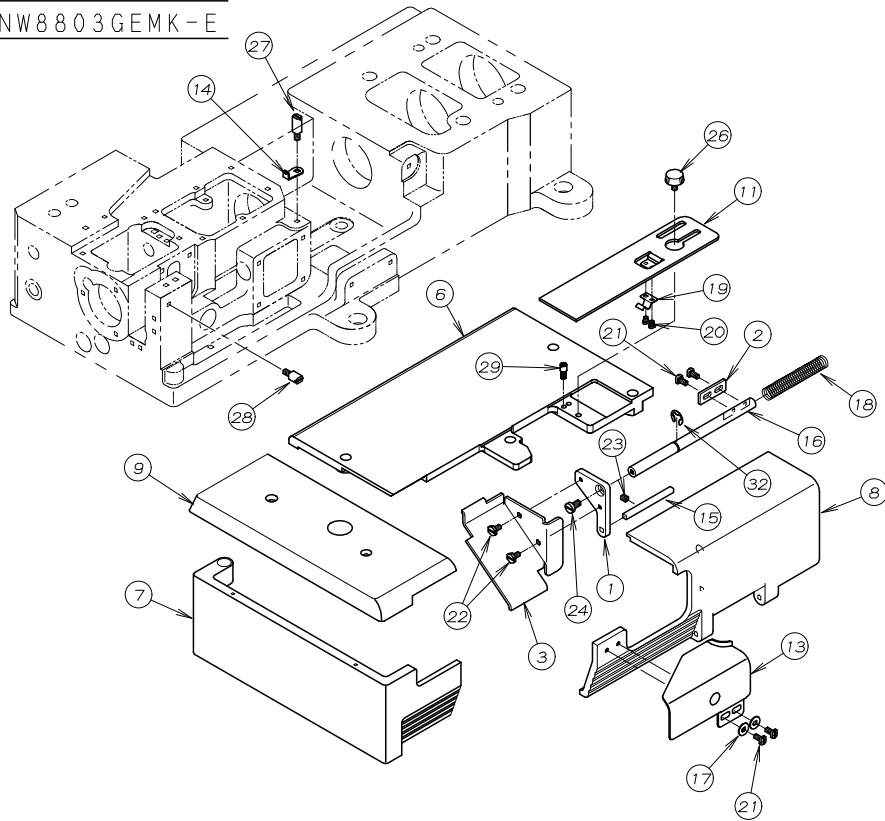


REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
68-01	*	針株	NEEDLE HOLDER	1
68-02	13-0140-6	針 (UYX128GAS #14)	NEEDLE	3
68-03	*	針板	NEEDLE PLATE	1
68-04	15-015	後送歯	REAR FEED DOG	1
68-05	15-016	前送歯	FRONT FEED DOG	1
68-06	17-1760-Y	押えガイド足	GUIDE BRACKET	1
68-07	17-1760-Z	ガイド足金具	GUIDE PIN	1
68-08	17-1920-N	押え足 (7/32)	BOTTOM	1
68-09	17-1930-N	押え足 (1/4)	BOTTOM	1
68-10	*	押えセット	PRESSER FOOT ASS'Y	1
68-11	17-7490-L	押え足ハネ	SPRING	1
68-12	17-7760-A	押えホース	SHANK	1
68-13	17-7760-D	ピン	PIN	1
68-14	17-7760-E	ピン	PIN	1
68-15	18-811	針受	NEEDLE GUARD	1
68-16	19-116	補助ルーバー	NEEDLE GUIDE	1
68-17	19-539	ルーバー	LOOPER	1
68-18	79-191	ハネ	SPRING	1
68-19	84-161	ネジ	SCREW	1
68-20	84-359	ネジ	SCREW	2
68-21	84-382	ネジ	SCREW	1
68-22	84-464	ネジ	SCREW	2
68-23	85-613	ネジ	SCREW	1
68-24	85-621	ネジ	SCREW	1
68-25	87-104	ネジ	SCREW	4
68-26	87-130	ネジ	SCREW	1
68-27	87-181	ネジ	SCREW	2
68-28	88-136	ナット	NUT	1

69. NW8803GEK, EMK-E 専用部品 EXCLUSIVE PARTS

NW8803GEK

NW8803GEMK-E

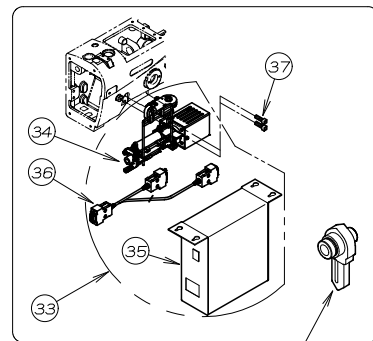
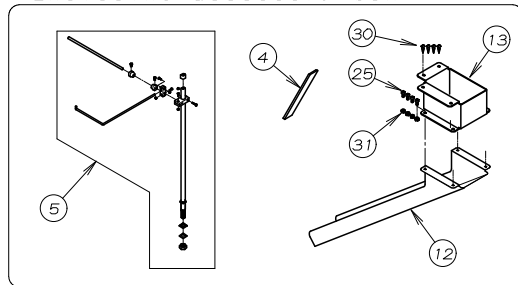


-10-

REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
69-01	07-511	シューター取付板	PLATE	1
69-02	07-512	シューター用ストップハ	STOP PLATE	1
69-03	07-519	シューター	COVER	1
69-04	07-522	下メス	LOWER KNIFE	1
69-05	20-6050	テープ立て(組)	TAPE STAND ASSEMBLY	1
69-06	21-660	上ハースカハ	UPPER COVER	1
69-07	21-776	横カハ	SIDE COVER	1
69-08	21-777	前カハ	FRONT COVER	1
69-09	21-779	サイド上ハースカハ	SIDE COVER	1
69-10	26-816	定規	FRONT RULER	1
69-11	27-167	前ベースカバー	FRONT BASE COVER	1
69-12	28-701	ダストシュート(下)	CHUTE (LOWER)	1
69-13	28-702	ダストシュート(上)	CHUTE (UPPER)	1
69-14	43-519	糸道	THREAD EYELET	1
69-15	71-589	シューター軸	SHAFT	1
69-16	71-590	シューター軸大	SHAFT	1
69-17	75-455	ワッシャ	WASHER	2
69-18	79-569	前カハ圧縮ハネ	SPRING	1
69-19	79-801	ハネ	SPRING	1
69-20	84-167	ネジ	SCREW	2
69-21	84-374	ネジ	SCREW	4
69-22	84-412	ネジ	SCREW	2
69-23	84-521	ネジ	SCREW	1
69-24	84-571	ネジ	SCREW	1
69-25	87-177	六角穴付きボルト	BOLT	4
69-26	87-292	調節ネジ	SCREW	1
69-27	87-310	カハーストップネジ	SCREW	1
69-28	87-330	カハーストップネジ	SCREW	1
69-29	87-459	段ネジ	SCREW	1
69-30	87-902	木ねじ	SCREW	4
69-31	88-146	ナット	NUT	4
69-32	93-213	E型止め輪	E-RING	1
69-33	59-050	MK1簡易ゴム送り装置セット	MK1 ROLLER COMPLETE SET	1
69-34	59-050A	MK1デバイス	MK1 DEVICE	1
69-35	59-050B	MK1制御箱	MK1 CONTROL BOX	1
69-36	59-049	エンコーダ中継線	CABLE	1
69-37	87-173	六角穴付きボルト	BOLT	2
69-38	59-048	位置検出器	POSITION DETECTOR	1

MODEL EMK-E

同梱部品
Enclosing accessory box

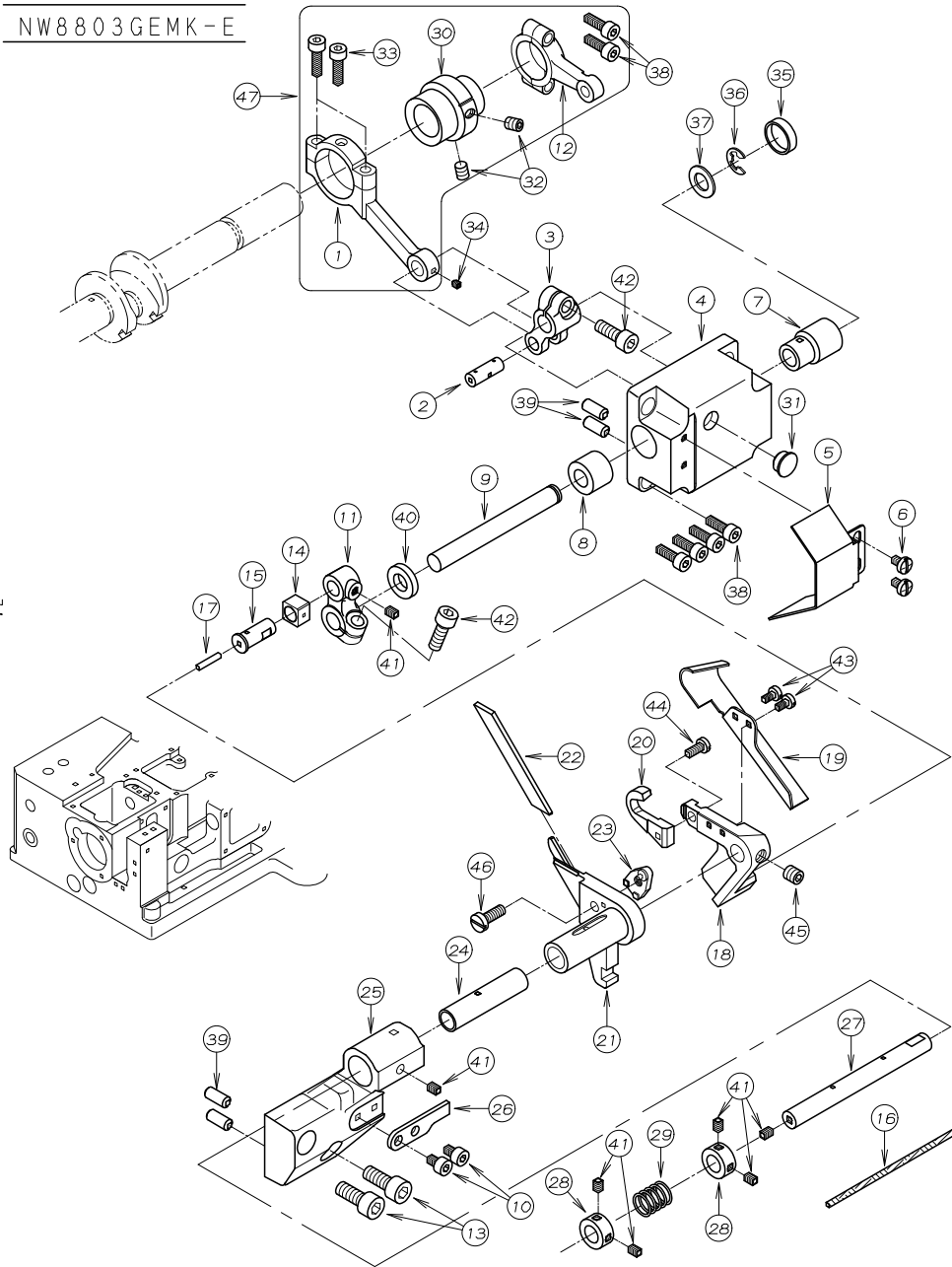


オプション
OPTION

70. NW8803GEK, EMK-E 前メス機構 EK KNIFE MECHANISM

NW8803GEK

NW8803GEMK-E



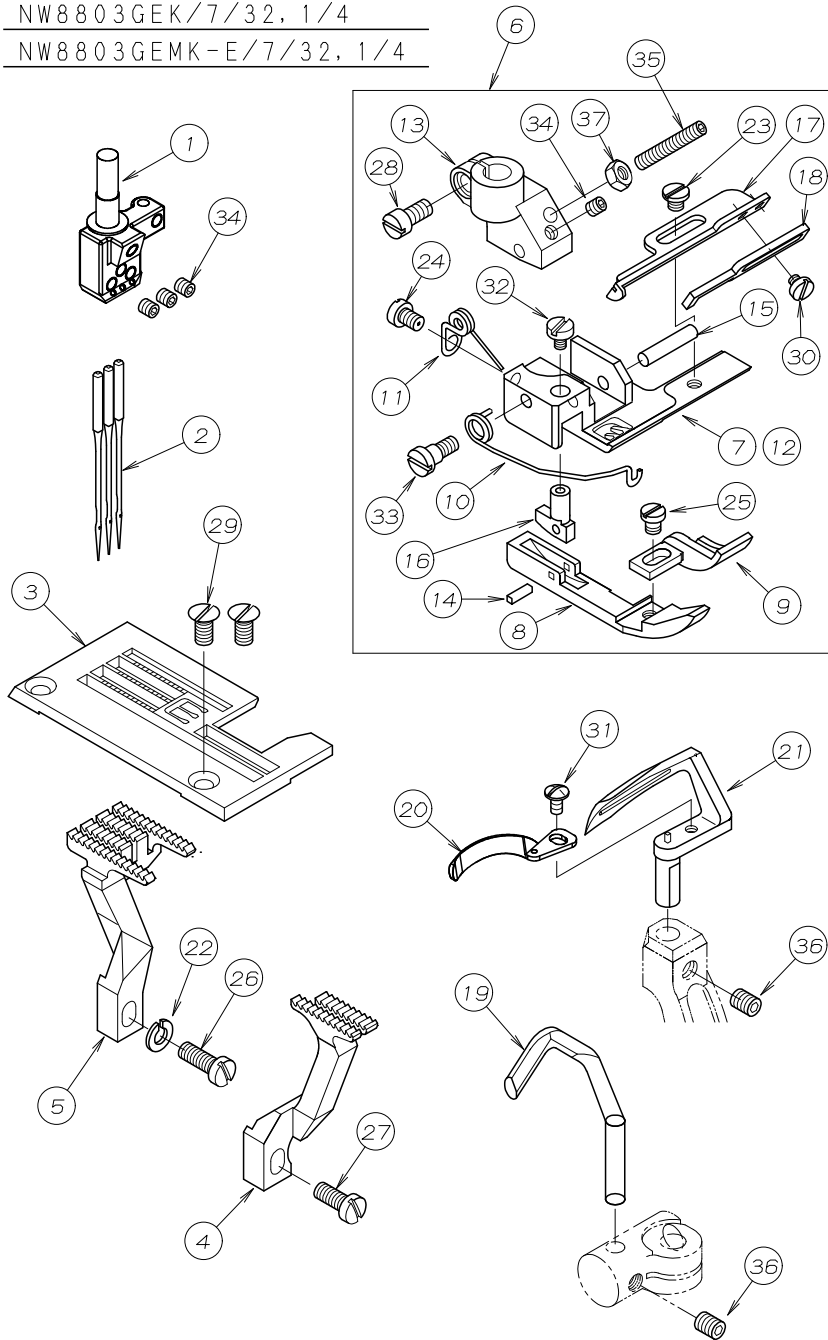
-11-

REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
70-01	63-832	上メスロッド	CONNECTING ROD	1
70-02	71-596	上メスロッド ピン	CONNECTING ROD PIN	1
70-03	67-517	上メスシャフトレバ - (右)	LEVER (RIGHT)	1
70-04	07-501	ブラケット	BRACKET	1
70-05	21-780	油カバー	OIL DEFENDER	1
70-06	84-361	ネジ	SCREW	2
70-07	81-543	上メスシャフトブッシュ (右)	BUSHING (RIGHT)	1
70-08	81-544	上メスシャフトブッシュ (左)	BUSHING (LEFT)	1
70-09	71-597	メスシャフト	UPPER KNIFE DRIVING SHAFT	1
70-10	87-092	ネジ	SCREW	2
70-11	67-518	上メスシャフトレバ - (左)	LEVER (LEFT)	1
70-12	63-508	針受ロッド	CONNECTING ROD	1
70-13	87-171	ネジ	SCREW	2
70-14	07-502	上メス台角ゴマ	UPPER KNIFE CONNECTING BLOCK	1
70-15	71-598	上メス台角ゴマピン	PIN	1
70-16	23-124	フェルト	FELT	1
70-17	23-555	フェルト	FELT	1
70-18	07-524	上メス台	UPPER KNIFE HOLDER	1
70-19	07-504	切屑返し	CHIP GUARD	1
70-20	07-505	上メス	UPPER KNIFE	1
70-21	07-520	下メス土台	LOWER KNIFE HOLDER	1
70-22	07-522	下メス	LOWER KNIFE	1
70-23	07-521	下メスクランプ	LOWER KNIFE CLAMP	1
70-24	81-545	下メス台ブッシュ	BUSHING	1
70-25	07-509	下メス台ブラケット	LOWER KNIFE HOLDER BRACKET	1
70-26	07-510	下メス台止メ	LOWER KNIFE HOLDER LOCKING PLATE	1
70-27	71-599	下メス台シャフト	LOWER KNIFE HOLDER SHAFT	1
70-28	75-561	カラー	COLLAR	2
70-29	79-568	上メスバネ	SPRING	1
70-30	61-525	上メスエキセン	UPPER KNIFE ECCENTRIC	1
70-31	23-533	ゴム栓	PLUG	1
70-32	87-254	ネジ	SCREW	2
70-33	87-214	ネジ	SCREW	2
70-34	87-234	ネジ	SCREW	1
70-35	94-507	シールカップ	SEAL CUP	1
70-36	93-213	Eリング	E-RING	1
70-37	75-519	ワッシャー	WASHER	1
70-38	87-129	ネジ	SCREW	6
70-39	71-208	平ピン	PIN	4
70-40	94-805	オイルシール	OIL SEAL	1
70-41	87-181	ネジ	SCREW	7
70-42	87-224	ネジ	SCREW	2
70-43	84-155	ネジ	SCREW	2
70-44	84-360	ネジ	SCREW	1
70-45	87-172	ネジ	SCREW	1
70-46	84-566	ネジ	SCREW	1
70-47	60-5031	EMKロッドセット	CONNECTING ROD ASS'Y (EMK)	1

71. ゲージ関係 GAUGE PARTS

NW8803GEK/7/32. 1/4

NW8803GEMK-E/7/32. 1/4



REF. NO.	PART NO.	品名	DESCRIPTION	Q'TY
71-01	*	針株	NEEDLE HOLDER	1
71-02	13-0110-6	針 (UYX128GAS #11)	NEEDLE	3
71-03	*	針板	NEEDLE PLATE	1
71-04	15-781	前送歯 (W)	FRONT FEED DOG	1
71-05	15-782	後送歯 (W)	REAR FEED DOG	1
71-06	*	押えセット	PRESSER FOOT ASS'Y	1
71-07	17-7490-B	押え足 (7/32)	BOTTOM	1
71-08	17-7490-C	押えカイト足	BOTTOM (LEFT)	1
71-09	17-7490-G	当てカイト	GUIDE	1
71-10	17-7460-K	カイト足ハネ	SPRING	1
71-11	17-7490-L	押え足ハネ	SPRING	1
71-12	17-7500-B	押え足 (1/4)	BOTTOM	1
71-13	17-7760-A	押えホス	SHANK	1
71-14	17-7760-D	ピン	PIN	1
71-15	17-7760-E	ピン	PIN	1
71-16	17-7370-F	カイト足金具	GUIDE PIN	1
71-17	17-7770-H	ゴム当て定規	ELASTIC GUIDE	1
71-18	17-7770-I	テープガイド	TAPE GUIDE	1
71-19	18-811	針受	NEEDLE GUARD	1
71-20	19-116	補助ルーバー	NEEDLE GUIDE	1
71-21	19-539	ルーバー	LOOPER	1
71-22	75-442	スプリングワッシャー	SPRING WASHER	1
71-23	84-117	ネジ	SCREW	1
71-24	84-161	ネジ	SCREW	1
71-25	84-167	ネジ	SCREW	1
71-26	84-358	ネジ	SCREW	1
71-27	84-359	ネジ	SCREW	1
71-28	84-382	ネジ	SCREW	1
71-29	84-464	ネジ	SCREW	2
71-30	85-101	ネジ	SCREW	1
71-31	85-613	ネジ	SCREW	1
71-32	85-621	ネジ	SCREW	1
71-33	87-074	段ネジ	SCREW	1
71-34	87-104	ネジ	SCREW	4
71-35	87-130	ネジ	SCREW	1
71-36	87-181	ネジ	SCREW	2
71-37	88-136	ナット	NUT	1

72. ゲージパーツ表 GAUGE PARTS LIST

機種 MODEL	タイプ TYPE	針数 NEEDLE	ゲージ GAUGE	針株 NEEDLE HOLDER	押え組 PRESSER FOOT ASS' Y	後送り歯 FEED DOG (REAR)	前送り歯 FEED DOG (FRONT)	針板 NEEDLE PLATE Standard	ルーパー LOOPER	上飾り ルーパー SPREADER	針受(後) NEEDLE GUARD (REAR)	針ガイド(前) NEEDLE GUARD (FRONT)
NW8803GD	-WD	3	7/32	12-0260-1	17-7090-1	15-875	15-870	14-871S	19-539	19-752	18-811	19-116
			1/4	12-0270-1	17-7100-1			★14-871				
NW8803GF	-WD	3	7/32	12-0260-1	17-1920-1	15-849	15-839	14-880S				
			1/4	12-0270-1	17-1930-1			★14-880				
NW8803G	-1S	4	7/32x4	12-8360-1	17-7910-1	15-848	15-811	14-176	19-538 19-539	19-751	18-810	
		3	3.5x4	12-8370-1	17-7990-1	15-850	15-813	14-177				
NW3303GF	MM	3	7/32	12-0260-1	17-1940-1	15-015	15-016	14-792	19-539	★19-751set (04-501) (87-214x2)	18-811	
			1/4	12-0270-1	17-1950-1			14-192				
NW8803G	EK EMK-E	3	7/32	12-0260-1	17-7490-1	15-782	15-781	14-682	19-539	19-751	18-811	
			1/4	12-0270-1	17-7500-1			14-683				

*★同梱部品です。 ★ Enclosing accessory box

INDEX 1

37-39	00-5284	65-04	04-022	13-09	04-502	33-03	05-212	21-28	05-646	26-08	06-497	49-07	07-429	31-13	08-021	43-06	14-835	42-39	17-5480-G	71-08	17-7490-C	57-14	17-8190-F
53-41	00-5285	65-05	04-023	36-47	04-502	45-02	05-212	21-30	05-647	26-09	06-498	49-08	07-430	31-14	08-022	56-11	14-871	40-16	17-5490-A	71-09	17-7490-G	38-22	17-8190-G
27-02	00-6082	66-01	04-027	52-47	04-502	27-10	05-2120-A	20-23	05-658	27-08	06-516	49-09	07-431	31-15	08-023	40-06	14-877	40-17	17-5490-A	38-11	17-7490-L	39-27	17-8190-G
44-01	00-6082	66-02	04-028	13-21	04-507	33-13	05-2120-A	20-24	05-812	33-12	06-516	30-30	07-432	31-16	08-031	56-12	14-880	40-18	17-5490-B	58-12	17-7490-L	40-32	17-8190-G
21-25	00-6083	66-03	04-029	13-20	04-508	44-02	05-2120-A	20-25	05-814	44-06	06-516	49-10	07-432	32-12	08-031	39-10	14-8970-A	40-19	17-5490-C	68-11	17-7490-L	43-28	17-8190-G
21-31	00-6116	66-04	04-030	07-01	04-509	27-11	05-2120-B	21-03	05-842	45-06	06-516	49-11	07-433	31-17	08-041	39-11	14-8970-B	40-20	17-5490-D	71-11	17-7490-L	54-14	17-8190-G
22-24	00-6117	66-05	04-031	13-27	04-510	33-14	05-2120-B	22-03	05-842	27-15	06-5160-2	49-12	07-434	32-13	08-041	39-12	14-8970-C	40-21	17-5490-E	71-12	17-7500-B	57-15	17-8190-G
45-08	00-6130	66-06	04-032	56-02	04-510	44-03	05-217	23-01	05-850	33-16	06-5160-2	49-13	07-435	34-03	08-051	39-13	14-8970-D	40-22	17-5500-1	39-20	17-7680-A	38-23	17-8190-J
34-01	00-8019	66-07	04-033	13-35	04-512	27-09	05-218	14-02	05-853	44-18	06-5160-2	49-14	07-436	34-04	08-052	17-03	15-015	40-23	17-5500-B	57-09	17-7680-A	39-28	17-8190-L
34-02	00-8021	66-08	04-034	13-34	04-513	33-05	05-218	23-02	05-853	45-13	06-5160-2	49-15	07-437	34-05	08-053	68-04	15-015	42-06	17-5530-A	38-13	17-7680-B	57-16	17-8190-J
27-14	00-8028	66-09	04-035	56-03	04-513	45-03	05-218	25-18	05-881	27-12	06-517	49-16	07-438	34-06	08-054	17-04	15-016	42-07	17-5530-B	39-21	17-7680-B	63-20	17-8260-F
26-23	00-8035	66-10	04-036	13-30	04-514	21-27	05-220	20-26	05-882	33-04	06-517	49-17	07-439	34-07	08-055	68-05	15-016	42-08	17-5530-C	57-10	17-7680-B	40-33	17-8770-1
26-22	00-8036	66-11	04-037	56-04	04-514	21-10	05-227	25-19	05-882	44-07	06-517	49-18	07-440	34-08	08-056	40-07	15-535	42-09	17-5530-D	38-14	17-7680-K	40-34	17-8770-A
45-01	00-8040	66-12	04-038	56-05	04-515	22-10	05-227	20-27	05-894	45-07	06-517	49-19	07-441	34-09	08-057	40-08	15-536	42-10	17-5530-F	39-22	17-7680-K	40-35	17-8770-B
20-53	00-8057	66-13	04-039	56-06	04-517	24-01	05-271	27-06	05-897	21-24	06-580	50-13	07-442	34-10	08-058	71-04	15-781	42-11	17-5530-G	38-15	17-7680-L	40-36	17-8770-C
24-33	00-8096	65-06	04-042	56-07	04-518	25-02	05-271	44-05	05-897	27-13	06-580	50-14	07-443	34-11	08-059	71-05	15-782	42-12	17-5530-H	39-23	17-7680-L	40-37	17-8770-D
25-01	00-8097	66-14	04-043	56-08	04-519	24-02	05-272	45-05	05-897	45-15	06-597	50-15	07-444	11-45	11-409	39-46	15-797	42-13	17-5530-I	57-11	17-7680-L	63-21	17-8910-C
27-01	00-8099	65-07	04-044	33-07	05-036	25-03	05-272	21-26	05-907	24-14	06-601	49-20	07-501	11-02	11-412	39-47	15-798	42-14	17-5530-J	38-16	17-7760-A	38-12	17-9380-A
37-01	01-115	66-15	04-045	20-01	05-056	24-03	05-273	21-06	05-910	25-26	06-601	70-04	07-501	40-01	12-563	63-06	15-811	42-15	17-5530-K	58-13	17-7760-A	39-29	17-9380-A
53-01	01-115	66-16	04-046	20-02	05-062	25-04	05-273	22-06	05-910	70-14	06-602	70-14	07-502	39-44	12-797	63-07	15-813	43-15	17-5610-A	68-12	17-7760-A	17-05	17-9390-1
37-02	02-016	61-01	04-055	02-01	05-074	24-04	05-274	21-07	05-911	25-27	06-602	70-19	07-504	43-02	12-835	40-09	15-831	43-16	17-5610-B	71-13	17-7760-A	38-42	18-009
37-03	02-017	61-02	04-056	17-01	05-074	25-05	05-274	22-07	05-911	24-16	06-603	70-20	07-505	63-01	12-836	40-10	15-832	43-17	17-5610-C	38-17	17-7760-D	40-38	18-533
53-02	02-017	61-03	04-057	18-01	05-074	24-05	05-275	21-08	05-912	25-28	06-603	70-25	07-509	63-02	12-837	43-09	15-836	43-18	17-5610-D	58-14	17-7760-D	07-54	18-795
36-08	02-112	61-04	04-058	35-01	05-074	25-06	05-275	22-08	05-912	24-17	06-604	70-26	07-510	40-02	12-877	43-10	15-837	40-24	17-5630-1	63-13	17-7760-D	07-55	18-796
52-08	02-112	61-05	04-059	64-02	05-074	24-06	05-276	21-09	05-926	25-29	06-604	69-01	07-511	30-20	13-0110-6	58-04	15-839	40-25	17-5630-A	68-13	17-7760-D	39-52	18-797
37-04	02-117	61-06	04-060	20-03	05-076	25-07	05-276	22-09	05-926	24-18	06-605	69-02	07-512	40-03	13-0110-6	63-08	15-848	40-26	17-5630-B	71-14	17-7760-D	39-53	18-798
53-03	02-117	61-07	04-061	20-04	05-077	24-07	05-277	21-04	05-927	25-30	06-605	69-03	07-519	43-03	13-0110-6	58-05	15-849	40-27	17-5630-C	38-18	17-7760-E	07-03	18-807
50-01	02-118	61-08	04-062	20-05	05-078	25-08	05-277	22-04	05-927	24-19	06-608	70-21	07-520	57-02	13-0110-6	63-09	15-850	40-28	17-5630-D	58-15	17-7760-E	07-04	18-809
59-01	02-118	61-09	04-063	20-06	05-079	45-12	05-932	25-31	06-608	70-23	07-521	70-23	07-521	58-02	13-0110-6	57-04	15-870	40-29	17-5630-E	63-14	17-7760-E	63-22	18-809
67-01	02-118	61-10	04-064	20-07	05-080	23-03	05-955	30-09	07-522	24-20	06-630	30-09	07-522	63-03	13-0110-6	57-05	15-875	40-30	17-5630-F	68-14	17-7760-E	63-23	18-810
01-01	02-119	61-11	04-065	20-08	05-081	24-10	05-280	69-04	07-522	25-32	06-630	69-04	07-522	71-02	13-0110-6	54-08	15-878	42-19	17-5690-B	71-15	17-7760-E	38-24	18-811
19-17	02-119	62-01	04-066	20-09	05-082	24-11	05-281	70-22	07-522	13-37	06-751	70-22	07-522	30-24	13-0140-6	54-09	15-879	42-16	17-5750-A	71-17	17-7770-H	40-39	18-811
37-05	02-123	62-02	04-067	20-11	05-084	14-03	05-958	70-18	07-524	56-10	06-751	70-18	07-524	43-04	13-0140-6	63-10	17-1760-C	42-17	17-5750-B	71-17	17-7770-I	54-15	18-811
37-06	02-158	62-03	04-069	20-12	05-085	23-06	05-958	49-21	07-702	21-11	06-927	49-21	07-702	54-28	13-0140-6	38-08	17-1760-K	42-41	17-5770-B	43-20	17-7810-1	57-17	18-811
53-04	02-158	62-04	04-072	20-13	05-086	23-07	05-961	49-22	07-703	22-12	06-928	49-22	07-703	68-02	13-0140-6	58-06	17-1760-K	42-40	17-5780-B	43-21	17-7810-B	58-16	18-811
36-07	02-216	62-05	04-073	20-14	05-087	23-32	05-962	32-01	08-001W	24-34	06-928	32-01	08-001W	30-29	13-0160-6	63-11	17-1760-K	42-20	17-5800-1	43-22	17-7810-C	68-15	18-811
52-07	02-216	62-06	04-074	20-15	05-088	23-33	05-963	32-02	08-002	25-33	06-928	32-02	08-002	40-04	13-0160-6	63-12	17-1760-L	42-21	17-5800-A	43-23	17-7810-D	71-19	18-811
36-12	02-217	62-07	04-076	20-16	05-089	44-12	05-979	31-01	08-003	16-01	07-008	31-01	08-003	54-04	13-0160-6	38-09	17-1760-Y	42-22	17-5800-B	43-24	17-7810-E	43-30	18-835
52-12	02-217	61-12	04-078	20-17	05-090	54-01	07-410	32-03	08-003	54-01	07-410	32-03	08-003	30-26	13-1480-5	58-07	17-1760-Y	42-23	17-5800-C	43-25	17-7810-F	38-25	19-116
36-22	02-219	62-08	04-078	20-18	05-091	56-09	06-001	31-02	08-004	54-02	07-411	31-02	08-004	42-02	13-1480-5	68-06	17-1760-Z	42-24	17-5800-D	39-54	17-7830-A	54-16	19-116
52-22	02-219	61-13	04-082	20-20	05-093	11-01	06-238	32-04	08-004	50-02	07-412	32-04	08-004	30-25	13-3020-5	38-10	17-1760-Z	42-25	17-5800-E	39-56	17-7830-B	57-18	19-116
36-33	02-220W	65-08	04-159	21-01	05-151	50-33	07-4120-1	31-03	08-005	50-33	07-4120-1	31-03	08-005	39-02	13-3020-5	58-08	17-1760-Z	42-26	17-5800-F	63-15	17-7910-1	58-17	19-116
52-33	02-220W	62-09	04-161	22-01	05-151	50-03	07-413	32-05	08-005	50-03	07-413	32-05	08-005	02-02	14-147	68-07	17-1760-Z	42-42	17-5970-A	63-16	17-7910-A	63-24	19-116
36-01	02-225W	61-14	04-162	20-21	05-152	44-16	05-292	32-06	08-006W	22-11	06-336	32-06	08-006W	51-01	14-147	58-10	17-1920-N	42-44	17-5970-B	63-17	17-7910-B	68-16	19-116
52-01	02-225W	62-10	04-163	21-02	05-152	25-20	06-367	32-07	08-008	50-05	07-415	32-07	08-008	31-18	14-148	68-08	17-1920-N	42-45	17-5970-C	63-18	17-7990-1	71-20	19-116
37-07	02-250	62-11	04-164	22-02	05-152	25-21	06-371	31-04	08-009	50-06	07-416	31-04	08-009	32-14	14-148	58-11	17-1930-N	42-46	17-5970-D	63-19	17-7		

INDEX 2

07-05	19-565	02-11	21-821W	02-21	23-526	19-27	26-616	64-17	27-167	02-35	27-542W	16-18	35-521	04-07	41-501	30-02	42-712	60-22	45-515	09-20	51-867	70-12	63-508
41-17	19-566	18-21	21-821W	06-03	23-527	19-28	26-617	69-11	27-167	02-36	27-546W	16-10	35-525	23-13	41-501	03-32	43-519	03-35	45-528	09-21	51-869	08-11	63-509
07-07	19-567	64-04	21-821W	13-28	23-531	19-16	26-712	01-14	27-231	02-77	27-549	16-19	35-528	04-08	41-502	10-04	43-519	12-13	45-535	09-22	51-877	11-12	63-518
41-01	19-573	17-07	21-822	56-16	23-531	51-05	26-712	14-05	27-232	20-49	27-556	16-20	35-529	23-14	41-502	69-14	43-519	60-23	45-535	08-07	51-879	09-24	63-519
41-02	19-574	18-03	21-822	49-23	23-533	17-10	26-724	01-16	27-234	20-59	27-557	16-21	35-530	10-03	41-504	10-05	43-521	12-14	45-536	09-23	51-880	08-35	63-520
41-03	19-575	59-03	21-822	70-31	23-533	18-10	26-724	01-17	27-235	29-16	27-626	16-22	35-540	12-03	41-504	59-18	43-532	60-24	45-536	08-08	51-881	36-50	63-535
41-04	19-576	64-05	21-822	01-09	23-538	59-08	26-724	26-11	27-236	29-24	27-6260-1	16-23	35-551	56-24	41-504	59-19	43-533	12-15	45-539	08-09	51-882	52-50	63-535
41-05	19-577	59-04	21-823	36-36	23-541	64-12	26-724	01-18	27-237W	29-17	27-627	16-24	35-556	59-17	41-504	10-06	43-548	64-23	45-539	31-21	52-182	66-20	63-808
41-06	19-578	59-05	21-824	52-36	23-541	19-06	26-751	01-19	27-238W	29-18	27-628	16-25	35-557	60-07	41-504	59-20	43-548	03-11	45-541	32-18	52-182	37-10	63-809
41-07	19-579	02-12	21-833W	36-34	23-542	19-09	26-752	01-20	27-239	30-08	28-011	16-26	35-558	64-20	41-504	10-07	43-549	03-12	45-551	33-01	53-285	53-11	63-809
39-30	19-599	02-13	21-835	52-34	23-542	19-08	26-753	01-21	27-240	30-12	28-311	11-05	35-559	67-12	41-508	10-08	43-550	60-25	45-551	33-02	53-286	49-26	63-832
13-03	19-751	17-08	21-986	08-36	23-548	69-10	26-816	01-22	27-241	30-13	28-312	16-27	35-560	04-09	41-509	10-09	43-561	03-13	45-553	33-11	53-287	70-13	63-832
56-13	19-752	18-04	21-986	13-25	23-553	17-11	26-821	35-09	27-255	30-14	28-313	16-28	35-562	23-16	41-509	59-21	43-561	60-26	45-553	06-10	58-007	11-13	66-522
56-14	19-753	64-06	21-986	56-17	23-553	18-11	26-821	35-10	27-256W	30-15	28-314	16-30	39-139	56-25	41-509	10-11	43-563	13-32	45-557	69-38	59-048	11-25	66-525
39-50	19-797	14-04	23-018	70-17	23-555	59-09	26-821	35-11	27-257W	30-16	28-317	15-24	39-219	67-13	41-509	59-23	43-563	60-27	45-560	69-36	59-049	14-06	67-036
07-53	19-798	01-03	23-041	36-52	23-556	64-13	26-821	35-12	27-258	30-17	28-318	01-24	39-235	23-37	41-514	10-12	43-564	60-28	45-561	69-33	59-050	14-07	67-037
43-32	19-836	01-04	23-045	52-52	23-556	17-12	26-822	16-08	27-301	30-07	28-452	16-31	39-501	04-10	41-518	59-24	43-564	63-28	45-562	69-34	59-050A	12-17	67-502
40-40	19-837	61-17	23-060	16-04	23-558	18-12	26-822	60-01	27-302	30-06	28-454	02-80	39-503	56-26	41-518	59-27	43-567	56-33	45-566	69-35	59-050B	60-33	67-502
43-33	19-837	59-06	23-061	16-06	23-559	35-07	26-822	01-23	27-323W	30-28	28-557	03-31	40-5230-3	04-11	41-519	10-16	43-568	03-14	45-567	07-08	60-5030	07-14	67-506
40-41	19-838	11-03	23-063	16-05	23-560	59-10	26-822	08-02	27-324	30-32	28-610	10-37	40-5490	23-34	41-519	12-04	43-568	60-29	45-567	70-47	60-5031	07-15	67-507
43-34	19-838	70-16	23-124	09-03	23-567	64-14	26-822	08-03	27-325	30-19	28-613	10-38	40-5620	56-27	41-519	56-32	43-568	03-15	45-568	07-09	60-5040	07-16	67-508
41-08	19-839	02-14	23-183	11-04	23-567	17-13	26-823	02-31	27-335W	30-21	28-614	59-58	40-5630	04-12	41-520	59-28	43-568	60-30	45-568	13-39	60-5110	13-12	67-510
40-42	19-877	10-01	23-183	16-07	23-574	18-13	26-823	02-32	27-337	30-22	28-615	04-21	40-7510	60-08	41-520	60-12	43-568	03-34	45-569	11-06	60-5160	13-18	67-511
01-39	20-0008	59-07	23-183	02-22	23-575	59-11	26-823	29-25	27-342	29-26	28-701	23-40	40-7510	04-13	41-521	64-21	43-568	60-31	45-569	06-11	60-5170	13-24	67-512
30-04	20-0010	09-01	23-188	02-78	23-577	64-15	26-823	29-33	27-348	69-12	28-701	04-22	40-7520	60-09	41-521	10-10	43-577	43-35	45-803	06-39	60-5171	56-34	67-512
03-37	20-5360	01-05	23-287	02-23	24-053	17-14	26-825	51-13	27-355	29-27	28-702	23-41	40-7520	04-23	41-525	59-22	43-577	12-37	45-804	06-40	60-5172	49-27	67-517
19-21	20-6020	36-55	23-289	01-10	24-060	18-14	26-825	02-33	27-356W	69-13	28-702	03-04	41-021	23-35	41-525	10-13	43-578	06-41	45-805	06-41	60-5173	70-03	67-517
69-05	20-6050	52-55	23-289	01-12	24-063	18-15	26-826	08-34	27-357	30-18	28-920	12-01	41-021	04-14	41-526	59-25	43-578	67-18	47-176	08-37	60-5180	70-11	67-518
29-10	20-6050-0	15-02	23-304	01-40	24-071	18-16	26-827	34-16	27-359W	15-09	30-0019	60-04	41-021	23-39	41-526	10-14	43-579	66-18	60-8080	66-18	60-8080	36-44	67-528
17-06	20-6150	04-01	23-324	62-12	25-105	17-15	26-835	35-13	27-360	15-32	30-0020	03-05	41-022	56-28	41-526	10-15	43-579	10-18	47-803	53-42	60-8090	52-44	67-528
18-02	20-6150	23-08	23-324	02-24	25-503	18-17	26-835	34-17	27-365	15-33	30-5080	60-05	41-022	04-15	41-527	59-26	43-579	59-29	47-803	33-38	60-8090	37-36	67-529
59-02	20-6150	56-15	23-324	02-25	25-505	64-16	26-835	34-18	27-366	15-10	31-222	04-02	41-104	23-15	41-527	03-06	45-031	60-32	47-803	11-43	60-8492	53-12	67-529
64-03	20-6150	67-07	23-324	05-25	25-506	17-16	26-837	53-09	27-367	16-09	31-314	23-09	41-104	56-29	41-527	60-13	45-031	06-08	49-506	11-44	60-8493	11-14	69-142
01-47	20-6165	06-02	23-341	05-26	25-507	17-17	26-838	35-30	27-368	02-79	31-503	56-18	41-104	04-25	41-528	12-05	45-032	10-19	49-506	11-08	60-8500-K	07-17	69-507
30-31	20-6200	16-02	23-386	02-26	25-516W	18-18	26-839	62-13	27-370	15-11	31-518	67-08	41-104	23-43	41-528	03-07	45-033	60-09	49-507	06-12	60-8510	06-18	69-513
29-11	21-013	01-06	23-427	18-06	25-516W	18-19	26-840	61-19	27-371	15-12	31-530	04-03	41-105	04-26	41-531	60-14	45-033	10-20	49-507	11-09	60-8510-K	07-18	69-521
67-34	21-018	66-17	23-427	35-04	25-516W	18-40	26-841	61-20	27-372	15-13	31-531	23-10	41-105	23-44	41-531	03-08	45-034	06-42	49-508	06-13	60-8520	07-19	69-522
29-31	21-028	01-07	23-501	64-08	25-516W	56-47	26-841	59-14	27-373	15-14	31-539	56-19	41-105	04-27	41-532	60-15	45-034	10-39	49-508	06-14	60-8530	08-12	69-524
29-32	21-068	61-18	23-501	02-27	25-517	20-33	27-016	59-15	27-374	06-06	31-540	67-09	41-105	23-45	41-532	12-06	45-035	09-04	50-5060	06-15	60-8540	08-13	69-525
67-06	21-626	01-08	23-504	18-07	25-517	31-20	27-023W	51-14	27-375	15-16	31-542	04-04	41-106	04-16	41-701	12-07	45-036	09-05	50-8280-1	06-16	61-510	02-37	69-526
15-01	21-632W	15-03	23-506	35-05	25-517	32-16	27-023W	01-15	27-384	15-17	31-543	23-11	41-106	23-17	41-701	60-16	45-036	09-06	51-805	07-10	61-523	11-15	69-532
02-03	21-648	29-04	23-509	64-09	25-517	03-01	27-039	01-43	27-385	15-18	31-544	56-20	41-106	56-30	41-701	64-22	45-036	09-07	51-806	07-11	61-524	11-16	69-533
02-04	21-649	02-15	23-512	06-04	25-519	59-12	27-079	01-44	27-387	15-19	31-545	67-10	41-106	60-10	41-701	03-09	45-045	49-24	61-525	49-24	61-525	06-19	69-544
02-05	21-650	18-05	23-512	06-05	25-520	59-13	27-086	01-45	27-388	15-20	31-546	04-24	41-108	04-17	41-702	60-17	45-045	09-09	51-808	70-30	61-525	11-17	69-545
51-03	21-660	20-28	23-512	29-03	25-524	51-06	27-103	01-46	27-389	15-21	31-547	23-42	41-108	23-18	41-702	67-15	45-342	09-10	51-829	13-14	61-527	06-20	69-548
69-06	21-660	24-21	23-512	02-28	25-527	51-07	27-104	64-18	27-391	15-22	31-548	04-05	41-115	56-31	41-702	67-16	45-344	09-11	51-830	08-10	61-537	06-21	69-549
02-06	21-660W	25-34	23-512	18-08	25-527	51-08	27-105	51-12	27-393	15-23	31-549	23-12	41-115	60-11	41-702	67-17	45-345	09-47	51-832	36-51	61-551	06-22	69-552
51-21	21-664	35-03	23-512	35-06	25-527	51-09	27-108	03-02	27-533	06-07	34-826	56-21	41-										

INDEX 3

REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.	REF. NO.	PART NO.
62-15	71-057	52-23	71-726	03-18	75-441	13-17	75-502	14-16	77-030	10-23	79-564	05-07	81-587	07-37	84-362	64-33	84-572	39-48	85-621	26-13	87-091	66-31	87-106
50-16	71-095	36-42	71-727	43-36	75-441	07-29	75-504	27-05	77-032	59-34	79-564	21-12	81-588	10-26	84-363	37-24	84-573	58-25	85-621	02-53	87-092	20-44	87-107
49-28	71-096	52-42	71-727	60-35	75-441	09-31	75-504	44-04	77-032	10-24	79-565	22-13	81-588	49-40	84-363	53-26	84-573	63-35	85-621	06-27	87-092	38-39	87-107
49-29	71-097	36-20	71-729	66-22	75-441	12-22	75-504	45-04	77-032	59-35	79-565	65-23	81-690	59-39	84-363	02-51	84-574	68-24	85-621	09-37	87-092	39-42	87-107
49-30	71-098	52-20	71-729	71-22	75-442	14-14	75-504	14-17	77-033	70-29	79-568	03-21	84-021	23-38	84-364	17-23	84-574	71-32	85-621	16-34	87-092	57-28	87-107
49-31	71-099	65-12	71-763	66-23	75-445	65-20	75-504	14-51	77-033	69-18	79-569	12-28	84-021	39-32	84-364	18-31	84-574	36-09	85-671	19-13	87-092	02-54	87-112
03-16	71-202	14-49	71-764	37-14	75-451	12-23	75-505	36-27	77-037	36-18	79-640	60-40	84-021	54-21	84-368	23-25	84-574	52-09	85-671	26-14	87-092	11-30	87-112
60-34	71-202	66-21	71-809	53-17	75-451	12-24	75-508	52-27	77-037	52-18	79-640	19-07	84-112	12-29	84-374	35-21	84-574	50-22	86-211	42-36	87-092	12-33	87-112
14-08	71-203	11-19	71-830	01-26	75-452	35-15	75-508	14-18	77-051	21-13	79-642	19-22	84-114	50-20	84-374	59-43	84-574	67-23	86-211	61-30	87-092	14-36	87-112
36-21	71-208	07-56	71-832	07-26	75-452	13-07	75-509	14-19	77-052	22-15	79-642	71-23	84-117	60-41	84-374	64-34	84-574	25-42	86-311	62-21	87-092	25-45	87-112
49-32	71-208	11-20	71-836	13-10	75-452	07-30	75-518	14-20	77-053	02-47	79-801	70-43	84-155	67-21	84-374	42-34	84-575	36-14	86-311	66-30	87-092	07-39	87-113
52-21	71-208	11-21	71-837	36-46	75-452	07-31	75-519	14-53	77-270	18-24	79-801	38-29	84-161	69-21	84-374	02-52	84-581	52-14	86-311	70-10	87-092	09-38	87-113
65-11	71-208	06-24	71-838	44-15	75-452	36-06	75-519	36-26	77-419	51-16	79-801	58-20	84-161	42-33	84-376	14-31	84-581	65-26	86-311	03-22	87-093	12-34	87-113
70-39	71-208	06-36	71-839	52-46	75-452	37-15	75-519	52-26	77-419	63-32	79-801	38-31	84-382	32-26	84-382	32-26	84-581	14-34	86-411	60-42	87-093	19-23	87-113
03-17	71-209	06-37	71-840	02-41	75-453	49-34	75-519	36-29	77-421	68-19	84-161	68-19	84-161	39-33	84-382	36-16	84-581	19-05	86-411	12-39	87-095	26-15	87-113
34-19	71-222	06-38	71-843	07-27	75-453	52-06	75-519	52-29	77-421	35-17	79-804	71-24	84-161	40-44	84-382	52-16	84-581	37-26	86-411	20-51	87-095	35-22	87-113
35-14	71-257	11-22	73-504	21-37	75-453	53-18	75-519	14-21	77-504	02-48	79-922	37-22	84-162	58-22	84-382	36-11	84-582	53-28	86-411	31-28	87-095	37-28	87-113
14-10	71-270	11-23	75-004	22-29	75-453	70-37	75-519	14-22	77-510	18-25	79-922	53-25	84-162	63-33	84-382	68-21	84-382	66-28	86-411	32-30	87-095	40-48	87-113
14-09	71-278	02-40	75-077	50-18	75-453	09-32	75-520	14-23	77-511	35-18	79-922	20-37	84-163	68-21	84-382	32-27	84-583	14-35	87-001	43-47	87-095	43-50	87-113
14-11	71-280	65-13	75-112	62-17	75-453	37-16	75-520	14-24	79-022	64-30	79-922	59-36	84-163	71-28	84-382	09-35	84-585	53-29	87-010	63-37	87-095	49-44	87-113
09-25	71-288	61-24	75-180	65-18	75-453	41-10	75-520	14-25	79-023	08-22	79-928	02-49	84-167	50-21	84-396	65-24	84-607	41-11	87-011	03-23	87-096	50-25	87-113
09-26	71-289	62-16	75-180	02-42	75-455	53-19	75-520	14-26	79-024	50-19	81-021	10-25	84-167	59-40	84-396	37-25	84-635	37-27	87-015	34-26	87-096	53-31	87-113
67-19	71-370	65-14	75-182	03-19	75-455	61-27	75-520	03-20	79-025	49-37	81-022	18-26	84-167	67-22	84-396	53-27	84-635	53-30	87-015	49-41	87-096	54-25	87-113
08-19	71-431	36-41	75-187	07-28	75-455	49-35	75-522	12-26	79-025	05-01	81-023	69-22	84-167	69-22	84-412	66-27	84-653	07-43	87-024	60-43	87-096	07-40	87-123
53-13	71-437	52-41	75-187	12-20	75-455	07-32	75-526	60-38	79-025	05-02	81-047	35-19	84-167	10-27	84-462	31-27	84-661	36-53	87-024	11-29	87-097	10-28	87-123
37-11	71-444	36-10	75-211	16-32	75-455	12-25	75-526	31-26	79-171	05-03	81-048	42-31	84-167	37-23	84-462	32-28	84-661	52-53	87-024	17-25	87-098	24-29	87-123
53-14	71-444	52-10	75-211	17-19	75-455	24-23	75-526	32-24	79-171	62-20	81-054	51-17	84-167	59-41	84-462	40-46	84-726	38-35	87-034	18-33	87-098	25-46	87-123
36-03	71-464	10-21	75-224	18-22	75-455	25-37	75-526	38-28	79-191	36-02	81-133	59-37	84-167	11-26	84-463	65-25	84-812	39-37	87-034	64-36	87-098	26-16	87-123
52-03	71-464	31-22	75-224	19-02	75-455	60-37	75-526	43-38	79-191	52-02	81-133	64-31	84-167	35-20	84-464	14-33	84-813	57-24	87-034	03-24	87-099	41-12	87-123
13-08	71-513	32-19	75-224	20-56	75-455	32-22	75-527	58-19	79-191	66-25	81-141	69-20	84-167	38-32	84-464	14-32	84-818	38-36	87-035	25-48	87-099	59-45	87-123
12-18	71-514	34-20	75-224	26-12	75-455	63-30	75-533	63-31	79-191	37-19	81-321	71-25	84-167	40-45	84-464	71-30	85-101	39-38	87-035	24-44	87-099	61-32	87-123
13-26	71-536	59-30	75-224	31-25	75-455	29-06	75-535	68-18	79-191	53-22	81-321	08-23	84-192	43-41	84-464	24-24	85-102	43-41	84-464	49-42	87-099	66-32	87-123
56-35	71-536	29-21	75-225	32-21	75-455	29-22	75-535	32-25	79-309	37-20	81-322	34-23	84-192	54-22	84-464	25-38	85-102	07-38	87-040	60-44	87-099	25-47	87-124
14-12	71-568	39-31	75-228	51-15	75-455	07-33	75-537	34-22	79-310	53-23	81-322	18-27	84-193	57-22	84-464	24-25	85-105	01-28	87-053	60-45	87-100	41-13	87-124
64-25	71-568	57-20	75-228	59-31	75-455	09-33	75-537	14-27	79-423	37-21	81-323	20-39	84-193	58-23	84-464	25-39	85-105	11-27	87-057	03-25	87-104	16-35	87-128
07-20	71-569	37-12	75-247	60-36	75-455	13-01	75-537	04-18	79-514	53-24	81-323	61-29	84-193	68-22	84-464	24-26	85-106	08-24	87-058	12-32	87-104	02-56	87-129
07-21	71-571	53-15	75-247	61-25	75-455	22-14	75-537	23-19	79-514	05-04	81-506	07-36	84-314	71-29	84-464	25-40	85-106	01-48	87-066	13-33	87-104	07-41	87-129
07-22	71-572	65-15	75-257	64-26	75-455	62-18	75-537	56-38	79-514	05-05	81-507	34-24	84-337	04-19	84-501	17-24	85-182	11-28	87-067	38-38	87-104	09-39	87-129
06-23	71-573	65-16	75-260	65-19	75-455	02-44	79-528	02-44	79-528	05-06	81-508	71-26	84-358	23-22	84-501	18-32	85-182	66-29	87-068	39-41	87-104	13-36	87-129
07-23	71-574	06-25	75-271	67-20	75-455	07-34	75-541	09-34	79-529	05-08	81-522	38-30	84-359	56-41	84-501	59-44	85-182	43-43	87-069	40-47	87-104	19-01	87-129
07-52	71-575	11-24	75-271	69-17	75-455	02-45	79-542	02-45	79-530	05-09	81-523	40-43	84-359	69-23	84-521	64-35	85-182	32-29	87-070	42-37	87-104	20-45	87-129
41-09	71-575	36-48	75-272	09-29	75-456	13-31	75-544	18-23	79-530	05-10	81-524	42-32	84-359	23-23	84-553	30-27	85-603	38-37	87-071	43-48	87-104	37-29	87-129
09-27	71-576	52-48	75-272	19-11	75-456	56-36	75-544	35-16	79-530	05-11	81-525	43-40	84-359	14-29	84-561	39-34	85-6						

NW Series Instruction Manual

CONTENTS

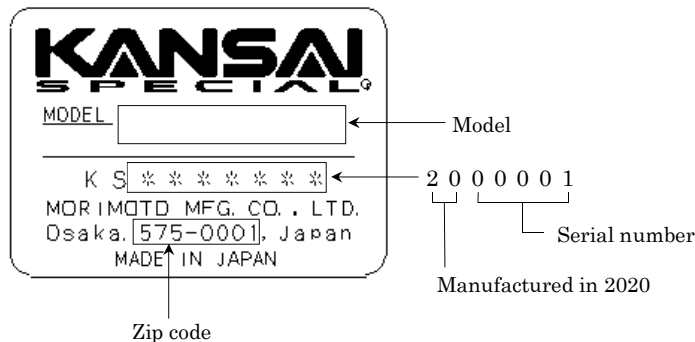
INTRODUCTION

Thank you for your purchasing Kansai Special's NW,NL 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 maintenance. If the machine includes a thread trimmer, read and study the instruction manual for the thread trimmer carefully.
6. The contents described in this instruction manual are subject to change without notice.

Indication of serial number



<p>1. NEEDLES & THREADING</p> <p>1-1 Needles1</p> <p>1-2 Replacing the needles1</p> <p>1-3 Threading to the looper thread support plate1</p> <p>1-4 Threading2</p> <p>1-5 To tilt the looper holder3</p> <p>2. MACHINE SPEED</p> <p>2-1 Machine speed & operating direction4</p> <p>2-2 Motor & belt4</p> <p>3. LUBRICATION</p> <p>3-1 Oil5</p> <p>3-2 Oiling5</p> <p>3-3 Replacing the oil and the oil element5</p> <p>4. SEWING MACHINE INSTALLATION</p> <p>4-1 Cutting the machine table6</p> <p>4-2 Installing the machine8</p> <p>5. TIMING OF THE LOOPER TO THE NEEDLES</p> <p>5-1 Changing the needle bar stroke8</p> <p>5-2 Adjusting the needle height9</p> <p>5-3 Angle and height for installing the looper9</p> <p>5-4 Looper setting distance10</p> <p>5-5 Needle/looper front-to-back relationship11</p> <p>5-6 Adjusting the needle/looper setting distance11</p> <p>5-7 Changing the amount of the looper front-to-back movement12</p> <p>6. FRONT AND REAR NEEDLE GUARDS</p> <p>6-1 Position of the needle guard (rear)13</p> <p>6-2 Position of the needle guard (front)13</p> <p>6-3 Needle/looper front-to-back relationship and position of the needle guard (NL5803G)13</p> <p>7. SPREADER</p> <p>7-1 Timing of the spreader13</p> <p>7-2 Position of the spreader14</p> <p>7-3 Position of the spreader thread guide14</p> <p>7-4 Position of the spreader(NW8842-1G)15</p> <p>8. FEED DOGS & STITCH LENGTH</p> <p>8-1 Feed dog height & tilt15</p> <p>8-2 Stitch length16</p> <p>8-3 Differential feed16</p> <p>9. PRESSER FOOT</p> <p>9-1 Presser foot pressure17</p> <p>9-2 Position of the presser foot & foot lift17</p> <p>9-3 Adjusting the float foot17</p> <p>10. STITCH FORMATION</p> <p>10-1 Position of the needle thread guides18</p> <p>10-2 Position of the thread guide on the needle</p>	<p>thread take-up18</p> <p>10-3 Timing of the needle thread take-up18</p> <p>10-4 Position of the needle thread guard18</p> <p>10-5 Position of the thread guide of the spreader thread take-up19</p> <p>10-6 Position of the thread guide of the looper thread take-up19</p> <p>10-7 Position of the looper thread take-up19</p> <p>11. EK, EMK-E FRONT KNIFE DEVICE</p> <p>11-1 Adjusting and oiling the lower knife holder20</p> <p>11-2 Replacing the lower knife20</p> <p>11-3 Replacing the upper knife20</p> <p>11-4 Overlap of the upper and lower knives20</p> <p>11-5 To sharpen the knife21</p> <p>12. REPLACING THE TIMING BELT</p> <p>12-1 To remove the timing belt21</p> <p>12-2 To place the timing belt21</p> <p>13. MC31 (TAPE CUTTER)</p> <p>13-1 Power supply cord22</p> <p>13-2 Intermediate cord23</p> <p>13-3 Adjustment (Electric type)23</p> <p>13-4 Air piping & wiring (Air type)24</p> <p>13-5 Air pressure25</p> <p>13-6 Adjustment (Air type)25</p> <p>14. ADJUSTING THE REAR PULLER</p> <p>14-1 Position of the hand lever and the stopper26</p> <p>14-2 To adjust the puller pressure26</p> <p>14-3 To adjust the feeding amount of the rear puller26</p> <p>15. THE ADJUSTMENT OF CUTTING DEVICE</p> <p>15-1 The specifications for NW2202G27</p> <p>15-2 Lubrication27</p> <p>15-3 Adjustment of cutting width27</p> <p>15-4 Replacement for folder28</p> <p>15-5 Adjustment of knife pressure28</p> <p>15-6 Adjustment of the presser foot pressure28</p> <p>15-7 Replacement of upper knife29</p> <p>15-8 Replacement of stationary knife29</p> <p>15-9 The way of remove of cutting device30</p> <p>16. CLEANING THE MACHINE31</p>
--	---

[1] NEEDLES & THREADING

1-1 Needles

UY128GAS of Schmetz , Organ or Groz-Beckert.

Select the proper needle for the fabric and thread.

< Needle size >

Organ	#09	#10	#11	#12	#14	#16	#18
Schmetz Groz	Nm65	Nm70	Nm75	Nm80	Nm90	Nm100	Nm110

< NW8804G >

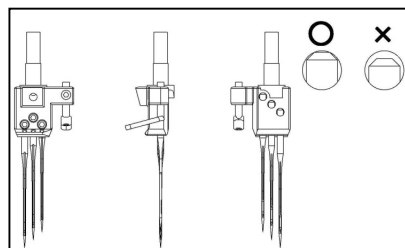
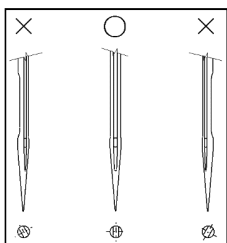
Organ	SM×1014H	#9	#10	#11	#12
Schmetz	MY×1014H	Nm65	Nm70	Nm75	Nm80

< NL5803G >

Organ	TV×5	#14	#15	#16	#18	#19	#20	#21
Schmetz	TV×5	Nm90	Nm95	Nm100	Nm110	Nm120	Nm125	Nm130

1-2 Replacing the needle

To replace the needle, check the needle carefully to see that the scarf is turned to the rear of the machine (see the illustration). Then install the needle correctly.



< Note >

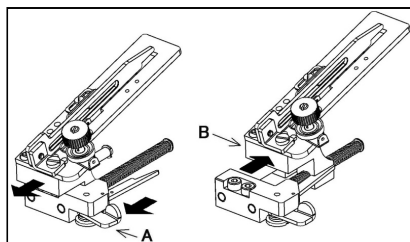
Before replacing the needle, be sure to turn off the machine. A clutch motor continues running for a while after the machine is turned off. Therefore keep on pressing the pedal until the machine stops.

1-3 Threading to the looper thread support plate

Pull lever A and support plate B comes out. After threading, press support plate B into place.

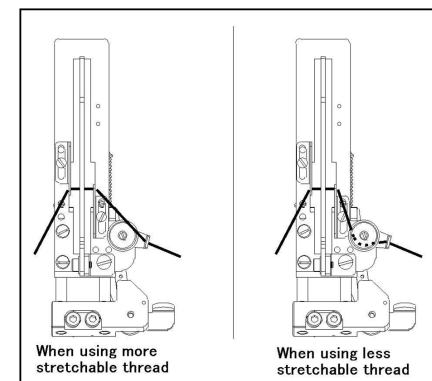
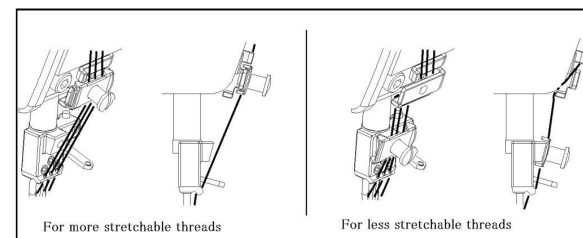
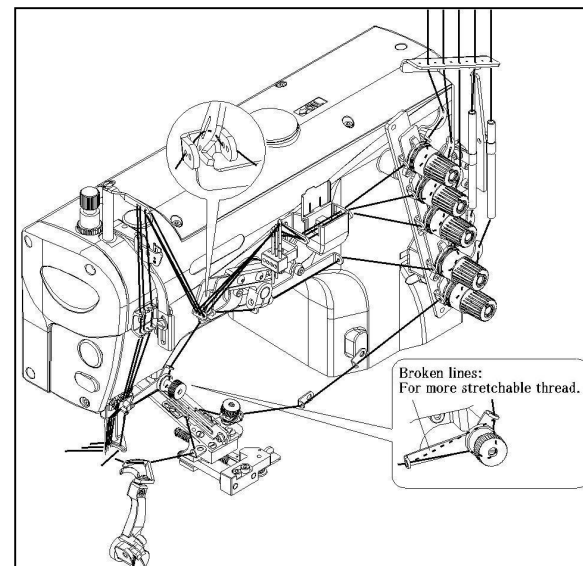
< Note >

Be sure to return the support plate B correctly when the machine is starting.



1-4 Threading

Thread the machine correctly by referring to the illustration below. Threading the machine incorrectly may cause skip stitching, thread breakage and/or uneven stitch formation. Thread tension should be changed according to various kinds of conditions such as the thread to be used and/or the feeding amount (see Chapter 10 for "Stitch formation").

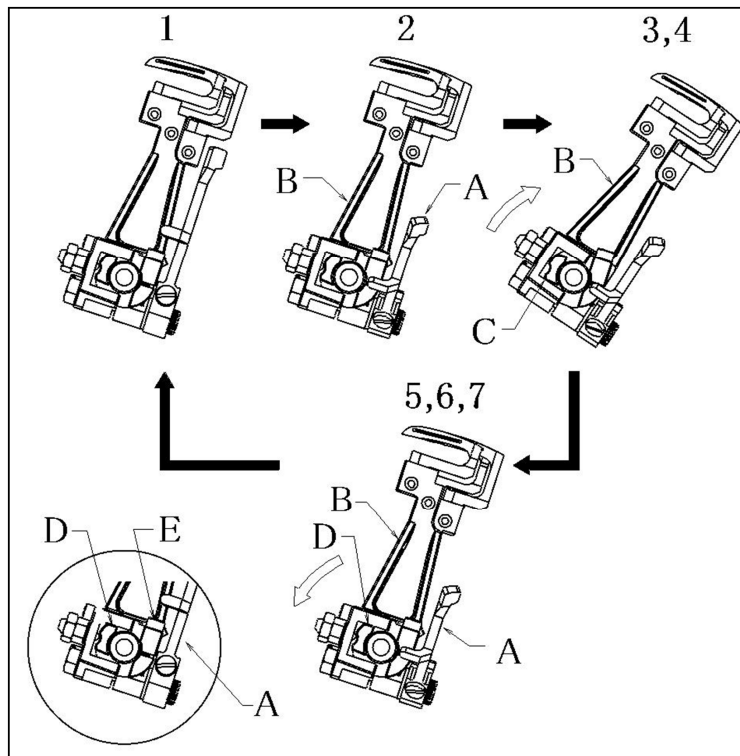


1-5 To tilt the looper holder (NW8842-1G/NL5803G)

When the threading of model NW8842-1G and NL5803G, please tilt the looper holder in the right direction.

1. Bring needle bar to the bottom of its stroke.
2. Pull Lever A, lock of the looper holder is released.
3. The looper holder is tilted toward the right. (up to the stopper C position)
4. It is possible to thread the machine easier.
5. Push the looper holder to the left. (up to Stopper D position)
6. Push lever A to the end of stopper position. The looper holder is fixed.
7. Check the looper is fixed by Stopper D securely before starting sewing operation.
8. Start sewing.

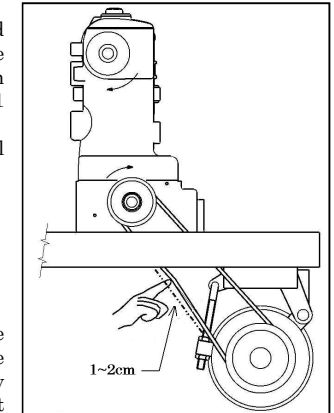
<Note >
Please do not loose screw E.



[2] MACHINE SPEED

2-1 Machine speed & operating direction

Refer to the table below for maximum and standard speeds of the Series. 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 clockwise as the handwheel does as seen from the machine pulley



2-2 Motor & belt

Motor : 3-phase, 2-pole, 400W clutch motor
Belt : M type V belt

Select the proper motor pulley according to the machine speed (refer to the motor pulley outer diameter on the table below). Adjust where to position the motor by pressing the finger onto the middle of the belt so that 1~2cm deflection can be achieved (see the illustration on the right)

< Machine speed >

TYPE	MAXIMUM SPEED	STANDARD SPEED
NW8803G	6,000rpm	5,500rpm
NL5801G		
NL5802G		
NW8842-1G	5,000rpm	4,500rpm
NL5803G	4,500rpm	4,000rpm
NW2202G		
NW8804G		

< Motor pulley selection table >

Motor pulley outer diameter (mm)	Machine speed (rpm)	
	50Hz	60Hz
45	2,000	2,400
50	2,210	2,650
60	2,660	3,200
70	3,100	3,700
80	3,500	4,200
90	4,000	4,800
100	4,400	5,300
110	4,900	5,800
120	5,300	6,300
130	5,700	
140	6,200	

[3] LUBRICATION

3-1 Oil

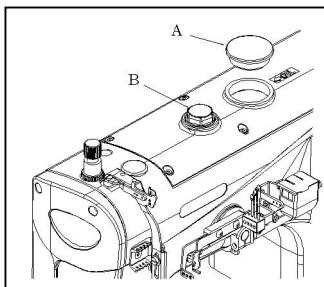
Use Kansai Special's genuine oil.
(Part No. 28-613 :1,000cc)

3-2 Oiling

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

■ To check for proper oil flow
After filling the machine with oil, run the machine to check the oil is splashing to oil flow sight window B.

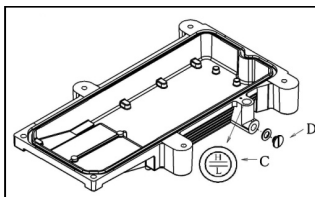


3-3 Replacing the oil and the oil element

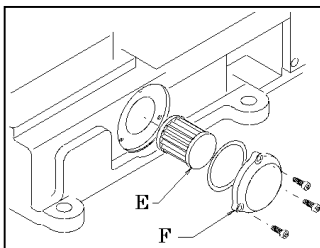
To extend machine life, be sure to replace the oil after the first 250 hours of operation.

To replace the oil, follow the procedures below.

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



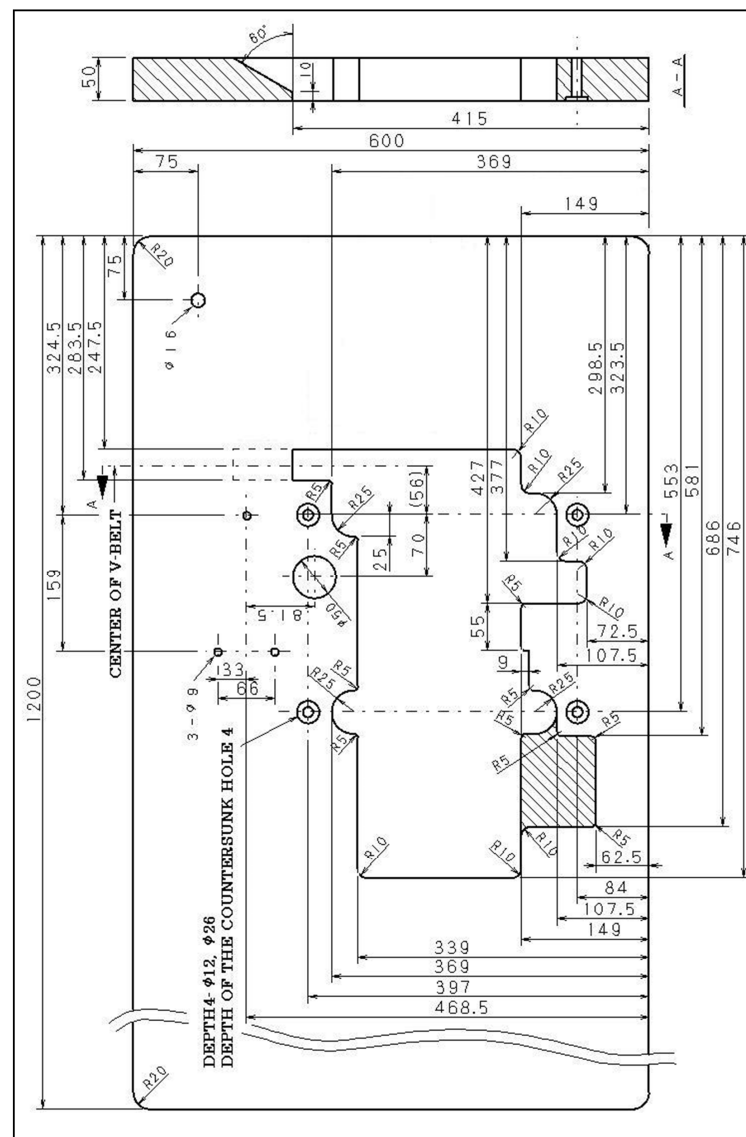
< Note >

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

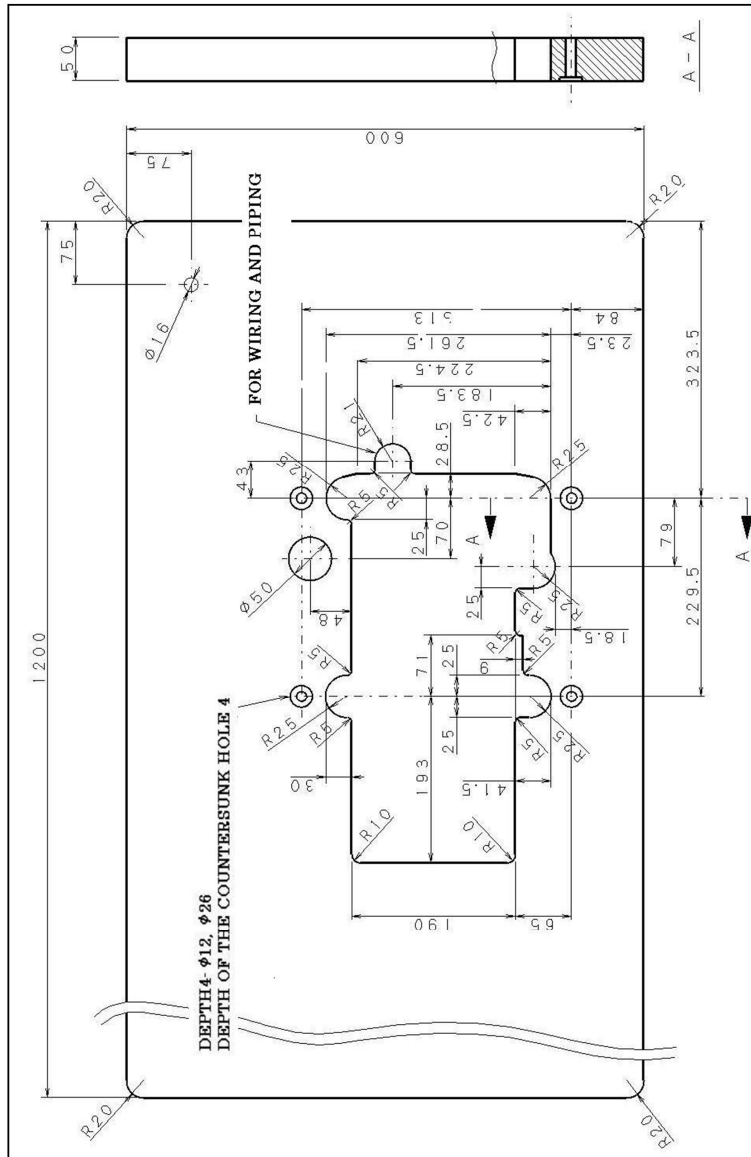
[4] SEWING MACHINE INSTALLATION

4-1 Cutting the machine table

■ Cut the diagonally shaped area for the NW2202G and the EMK type

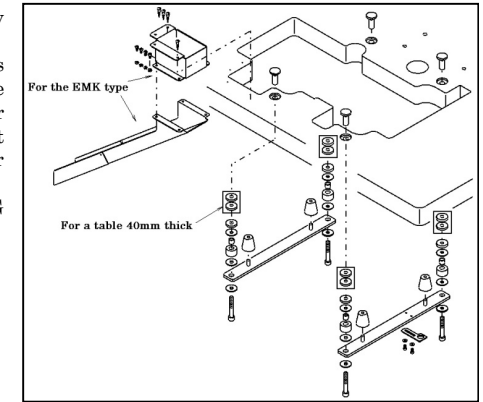


■ For the Direct-Drive machine (NW2202G model and EMK type can't use.)



4-2 Installing the machine

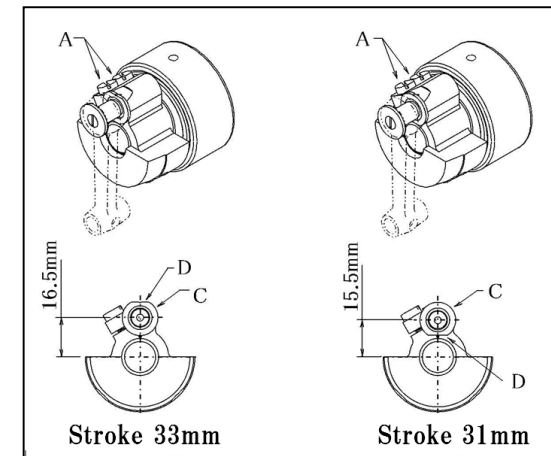
Install the machine correctly by referring to the illustration below. Secure the bolts in place with the nuts tightened against the underside of the machine table. Fit the rubber cushions onto the bolts. Then mount the machine properly onto the rubber cushions. Install the chute for the NW2202G and the EMK type.



[5] TIMING OF THE LOOPER TO THE NEEDLES

5-1 Changing the needle bar stroke

Loosen screws A and turn needle bar link C. To change the needle bar stroke, bring flat surface D to the top or bottom. When the needle bar and flat surface D come to the highest position, the stroke of needle bar stroke is set to 33mm. At the time of shipment of the machine, needle bar stroke is 31mm. Needle bar stroke of NW8803G model is 34mm.



< Note >

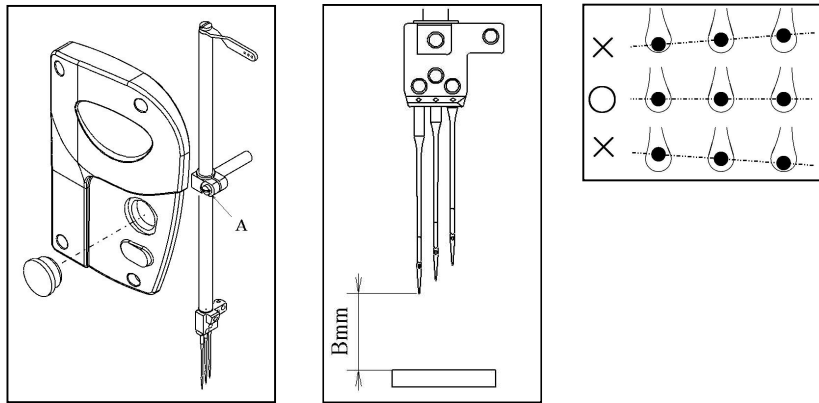
Before changing the needle bar stroke, be sure to turn off the power.

After the needle bar stroke adjustment, make sure that retighten the two screws A securely.

When the needle bar stroke changing, check to make sure the timing of the needle and looper. (See chapter 5)

5-2 Adjusting the needle height

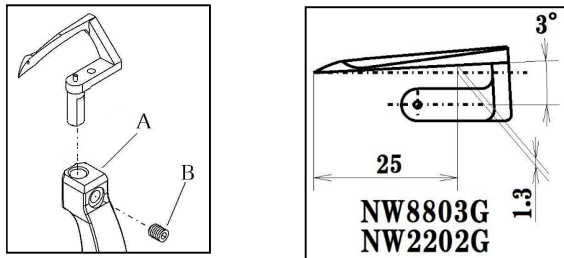
When the needle bar is at the bottom of its stroke, remove the plug on the head cover, loosen screw A, and move the needle bar up or down. Setting distance B varies according to the needle stroke or gauge size for further adjustment. (See chapter 5-4)



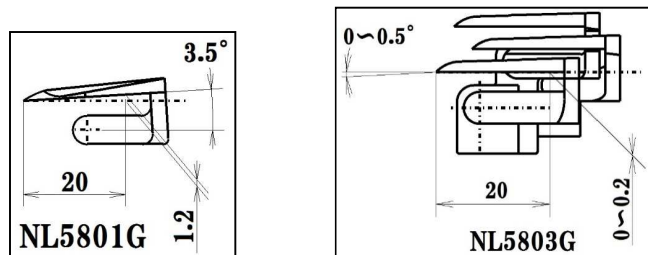
< Note >
After the above adjustment, check to make sure each needle drops into the center of each needle hole.

5-3 Angle and height for installing the looper

To obtain the proper angle and height, insert the looper fully into looper holder A and then tighten screw B.
The looper angle of standard NW model.



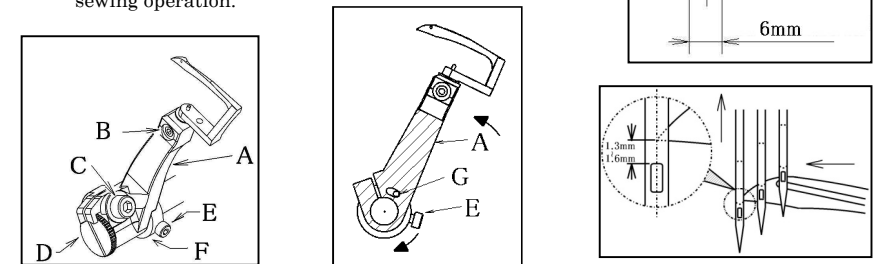
The looper angle of standard NL model.



5-4 Looper setting distance

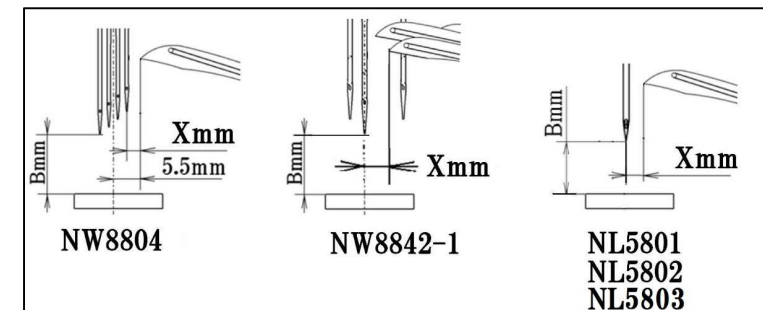
When the looper is at its farthest position to the right, looper setting distance is the fundamental distance from the point of the looper to the center of the needle should be 6mm. Also, setting distance X varies according to the needle stroke or gauge size for further adjustment. (See the table below)

1. Loosen screw C and E. Setting distance X.
2. Tighten screw C and the stopper collar F is tilted toward the right. (the stopper pin G should be touch to looper holder.)
3. Then tighten screw E.
4. Check the looper setting distance securely before starting sewing operation.



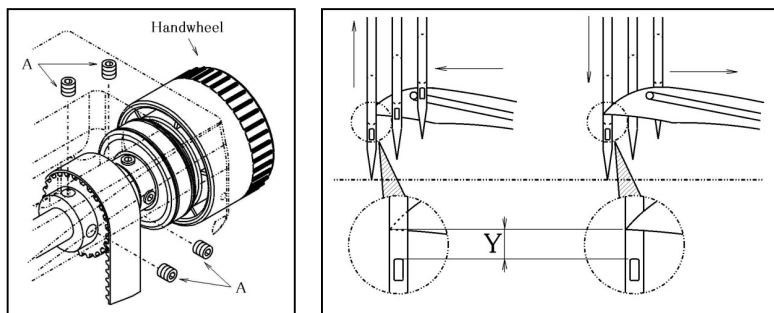
The point of the looper should pass the center of the left needle and 1.3~1.6mm above the top of its needle's eye when the looper moves to left on the back side of the left needle.

Needle stroke gauge (mm) (inch)	Needle height (Bmm)				Looper setting distance (Xmm)
	None UT		UT		
	31 (STANDARD)	33	31/33	31/33	
3.2 (1/8)	9.8±0.2	9.1±0.2	10.8±0.2	10.1±0.2	4.4
4.0 (5/32)	9.3±0.2	8.6±0.2	10.4±0.2	9.7±0.2	4.0
4.8 (3/16)	8.9±0.2	8.2±0.2	10±0.2	9.3±0.2	3.6
5.6 (7/32)	8.5±0.2	7.8±0.2	9.6±0.2	8.9±0.2	3.2
6.4 (1/4)	8.1±0.2	7.4±0.2	9.2±0.2	8.5±0.2	2.8
NW8804	10.3±0.2	-			2.5
NW8842-1	8.2±0.2				4
NL5802/M/L	9.6±0.2				4
NL5803	13±0.2(Needle bar stroke is 34mm)				3



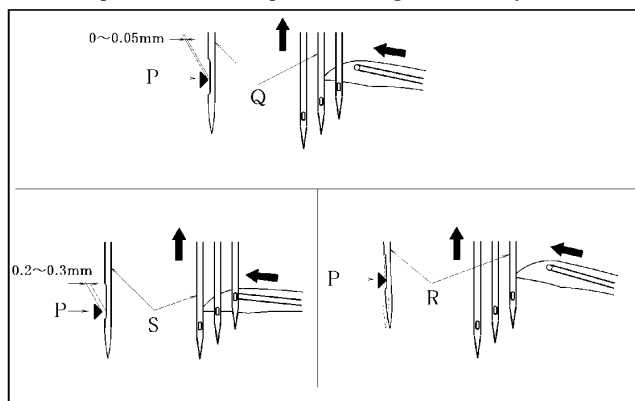
5-5 Needle/looper front-to-back relationship

When the point of the looper moves to the left needle 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.



5-6 Adjusting the needle/looper setting distance

The looper set the clearance between back side of the center needle Q and the point of the looper at 0~0.05mm. To make this adjustment, loosen screw C on the looper holder, and turn the screw D. At this time the looper should barely touch the right needle R. And the point of the looper at this position, set the clearance between the left needle S at approximately 0.2~0.3mm. If you can not make this adjustment, please change the looper's orbit.(See below chapter) Then see chapter 6-1 for right needle adjustment.

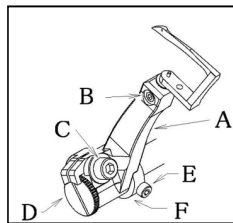


< Note >

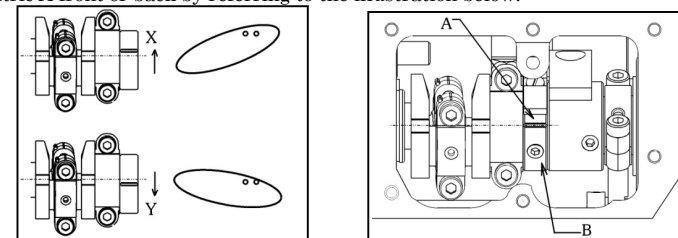
When adjusting the looper holder front or back, be careful not to change the looper setting distance and don't touch the needle guard (rear) and needle.

< Note >

Please do not loose screw E.



To change the looper's orbit, loosen screw B on eccentric A and shift the timing mark by moving eccentric A front or back by referring to the illustration below.



< Note >

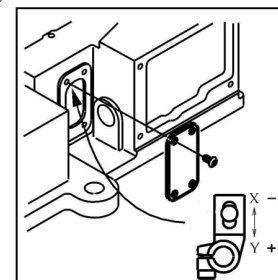
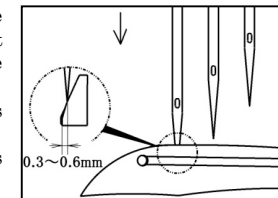
When the timing mark moves to the direction of X unnecessary, the clearance between the point of the looper and the left needle when the looper moves to the left decreases. Cause of occur triangle skip stitch, and improper chaining off. When the timing mark moves to the direction of Y unnecessary, the clearance between the point of the looper and the left needle when the looper moves to the left increases. Cause of occur needle loop skip stitch, and easy to break the tip of the needle.

5-7 Changing the amount of the looper front-to-back movement

The clearance between the point of the left needle and the back side of the looper when the looper moves to the right from the extreme left end of its travel should be 0.3~0.6mm (The needle is pressed to the back). The amount of the looper front-to-back movement is factory-set properly for needle count #11 (Nm75). If you use needle counts Nm80~90, adjust the amount as required.

If you use needle counts #12~#14, adjust the amount as required (see below).

1. Remove rear bed cover.
2. Loosen the nut on the looper front-to-back rod pin. To decrease the amount, move the rod pin to X. To increase the amount, move the rod pin to Y.



< Note >

After the above adjustment, check to make sure the chapter 5-6.

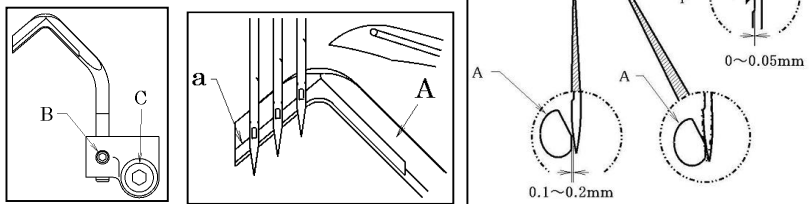
< Note >

When the amount of the looper adjusting decrease more than necessary, easy to break the tip of the needle. When the amount of the looper adjusting increase more than necessary, cause of occur triangle skip stitch.

【 6】 FRONT AND REAR NEEDLE GUARDS

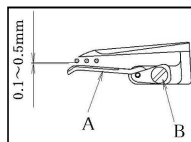
6-1 Position of the needle guard (rear)

- Align line "a" with the center of needle's hole when the needle is at the bottom of the stroke.
- When the point of the looper has reached the center of the right needle(R), the clearance between the needle and the looper should be 0~0.05mm. Loosen screw B and move the needle guard (A) slightly to the front. Then the clearance between the left needle(S) and the needle guard (A) should be 0~0.1mm.
- To adjust the needle guard (A) front to back, loosen screws C. The vertical adjustment and angle adjustment, by loosen screw B correctly.



6-2 Position of the needle guard (front)

When the point of the looper has reached to the each needles. The clearance between the needle guard A and needles should be 0.1~0.5mm. Adjustment by loosen screw B correctly.

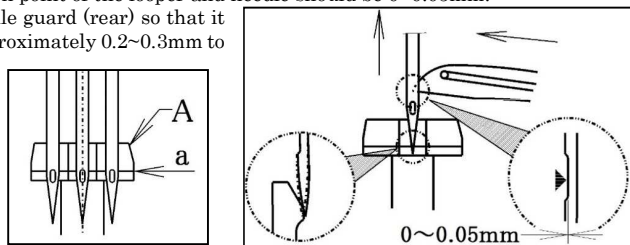


6-3 Needle/looper front-to-back relationship and position of the needle guard (NL5803G)

Align line (a) on needle guard (rear) A with the top of the needle hole when the needle bar is at the bottom of the stroke.

The clearance between point of the looper and needle should be 0~0.05mm.

Then adjust the needle guard (rear) so that it presses needle at approximately 0.2~0.3mm to the front.



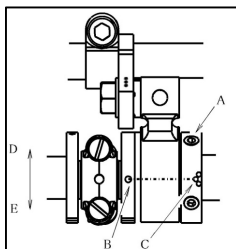
【 7】 SPREADER

7-1 Timing of the spreader

Adjust according to the thread to be used or other conditions. To make this adjustment, remove the top arm cover and loosen two screws for looper eccentric A on the upper shaft. Then shift alignment mark C front or back while referring to alignment mark B.

To advance the timing of the spreader to the needle, shift mark C in the direction of D.

To delay the timing of the spreader to the needle, shift mark C in the direction of E.



7-2 Position of the spreader

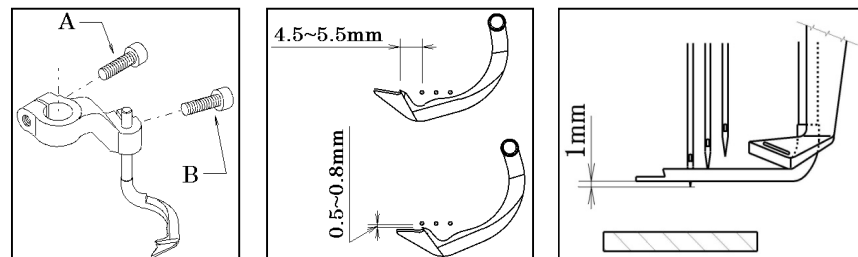
Height

The distance from the point of the left needle to the bottom surface of the spreader should be 1mm.

Left-to-right position

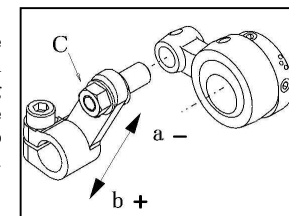
When the spreader is at the extreme left end of its travel, the distance from the center of the left needle to the point of the thread carrying notch should be 4.5~5.5mm.

When the spreader passes the left needle, the clearance between the point of the thread carrying notch and the left needle should be 0.5~0.8mm. To make the above adjustment, loosen screws A and B.



Adjust the amount of the spreader movement

according to the number of spreader threads and/or the fabric weight. To make this adjustment, remove the arm top cover, loosen nut C and then move the adjusting lever pin in direction (a) or (b). To decrease the amount, move the pin in the direction of (a). To increase the amount, move the pin in the direction of (b).

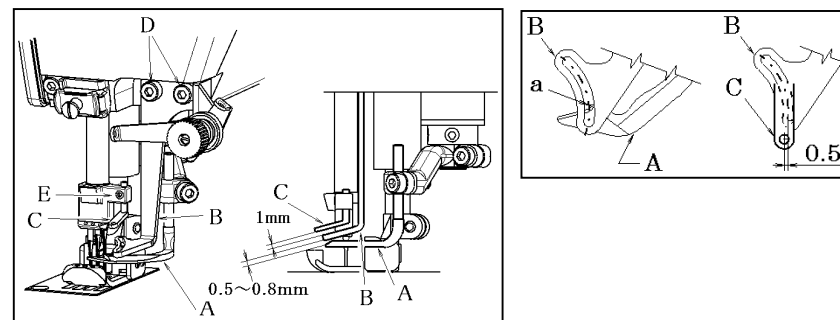


7-3 Position of the spreader thread guide

The clearance between spreader thread guide B and spreader A should be 0.5~0.8mm.

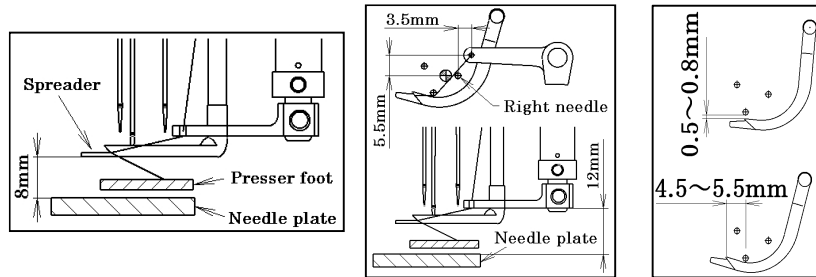
When the spreader is at the extreme right end of its travel, point (a) of the spreader thread carrying notch should be aligned with the centerline of the slot of spreader thread guide B.

When the needle bar is at the bottom of its stroke, the clearance between the spreader thread guide and spreader thread guide C should be 1mm and the eyelet of spreader thread guide C should be approximately 0.5mm left to the center line of the slot of spreader thread guide B. To make this adjustment, loosen two screws D and screw E and move each thread guide up or down, left or right, or front or back as required.



7-4 Position of the spreader (NW8842-1G)

■ The distance between the top surface of the needle plate and the bottom surface of the spreader should be 8mm. When the spreader is at the extreme left end of its travel, the position of the thread eyelet is as shown in the illustration below.



【8】 FEED DOGS & STITCH LENGTH

8-1 Feed dog height & tilt

■ Height

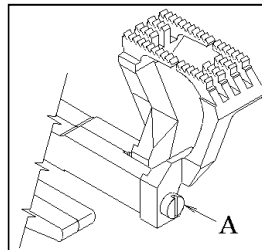
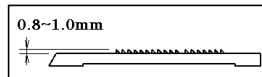
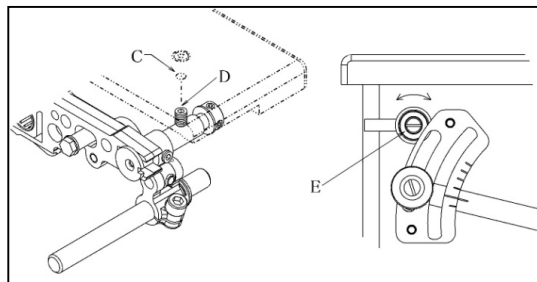
When the feed dogs are at the top of their stroke, the feed dog teeth should be parallel with and 0.8~1.0mm above the top surface of the needle plate.

To make this adjustment, loosen screw A and move the main and differential feed dogs up or down.

■ Tilt

Remove the cover from the rear side of the bed. Loosen screw D from hole C with a 3mm hex wrench. When the feed dogs are at their top of their stroke, the feed dogs should be parallel with the top surface of the needle plate. Adjust by turning eccentric pin E with a screwdriver.

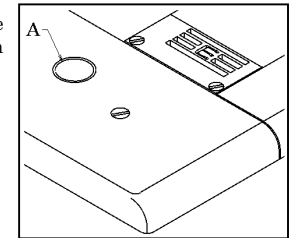
■ When using thick materials or stretchable materials, the front of the feed dog teeth tilt slightly become up. When using thick materials or stretchable materials, the front of the feed dog teeth tilt upward slightly. The top of the feed dog teeth should be parallel with above the top surface of the needle plate.



8-2 Stitch length

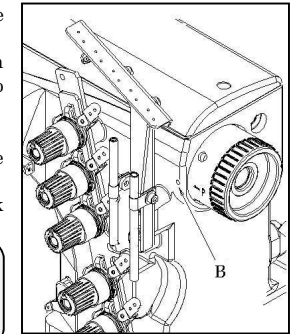
The stitch length is adjustable from 1.4~4.2mm. The following table shows the number of stitches within 1 inch (25.4mm) according to the stitch length.

Stitch length(mm)	No. of stitches (within 1")
4.2	6.0
3.6	7.0
2.4	10.5
1.4	18.0



■ To adjust the stitch length

1. Press push button A lightly until its end touches the inside part and clicks.
2. Turn the handwheel by hand while pressing the push button lightly until the push button goes further into the depth.
3. Then press down the push button strongly again. Adjust the stitch length as required by turning the handwheel.
4. Align the required stitch length with alignment mark B. Then release the push button.



< Note >

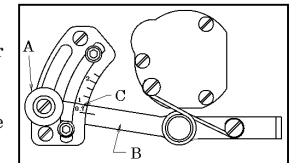
To adjust the stitch length, be sure to turn off the power first. And check to make sure the feed dogs do not touch the needle plate.

8-3 Differential feed

■ Normal differential feed (to gather the fabric)

To make this adjustment, loosen nut A, move lever B up or down and tighten nut A at the required position.

To obtain a feed ratio of 1:1, align lever B with reading C. To obtain the normal differential feed, raise lever B above reading C. To obtain a feed ratio of 1:2, set lever B at 2.



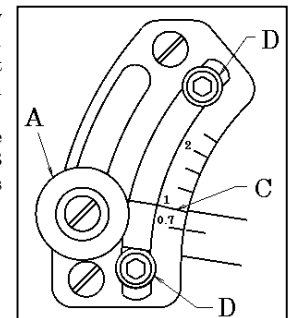
■ Reverse differential feed (to stretch seam the fabric)

To obtain the reverse differential feed, lower lever B below reading C. To obtain a feed ratio of 1:0.7, set lever B at 0.7. To adjust the differential feed ratio during sewing Connect a chain, etc to the lever. Set the upper and lower limits with two stoppers (D).

■ To adjust the differential feed ratio during sewing, move lever B up or down within this range and then set lever B at the required position. The differential feed ratio varies according to the stitch length. See the table below.

< Differential feed ratio >

Stitch length (mm)	Max. normal diff. feed	Max. reverse diff. feed
3.6	1:1.2	1:0.7
2.5	1:1.6	1:0.7
2.0	1:1.8	1:0.7
1.4	1:2.0	1:0.7



< Note >

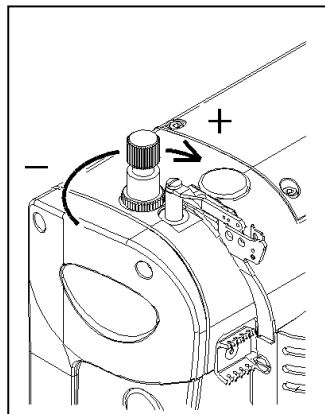
To use the machine with the normal differential feed, check to make sure the feed dogs do not touch the needle plate.

【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 Position of the presser foot & foot lift

Fit the presser foot onto the presser bar so that the needle can drop correctly to the center of the presser foot needle drop hole.

■ Position of the presser foot

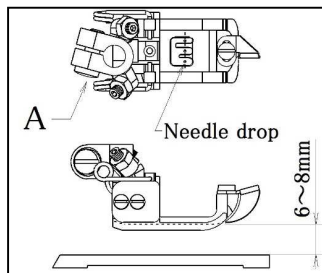
Loosen screw A. Adjust by moving the presser foot left or right while checking to make sure the needle drops correctly to the center of the presser foot needle drop hole.

■ Foot lift

For machines with the spreader, the presser foot should be 6mm above the top surface of the needle plate. Check to make sure presser foot does not touch the spreader with the presser foot in the above position. For machines without the spreader, the presser foot should be 8mm above the top surface of the needle plate.

Set stopper B at the required position.

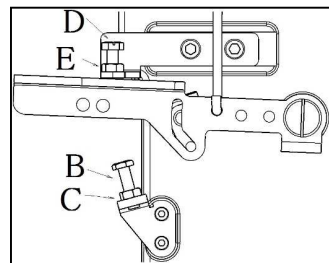
Fasten the presser foot lift lever with nut C so that the lever cannot be lowered.



9-3 Adjusting the float-foot

When adjusting screw D is turned clockwise or counterclockwise, the presser bar lifting lever is pressed down to lift the presser foot.

Adjusting the height of the float-foot according to the sewing condition.



< Note >

In case of B the float-foot is not used, use the sewing machine with the screw E moves to top.

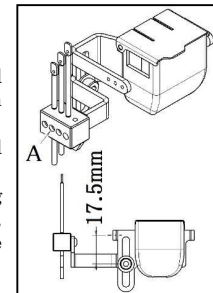
【10】 STITCH FORMATION

10-1 Position of the needle thread guides

The distance from the center of the eyelet of the needle thread guide to that of the set screw should be approximately 17.5mm (see the illustration).

Adjust the height of the thread guides by loosening screws A and moving each thread guide up or down.

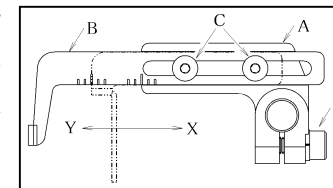
If the stitch formation cannot be changed extremely by adjusting the height of the thread guides because of the thread to be used, unravel the thread after test sewing and adjust the height of the thread guides while checking the tension of the needle thread.



10-2 Position of the thread guide on the needle thread take-up

When the needle bar is at the bottom of its stroke, needle thread take-up bracket A should be level and refer to the mark shown in the right figure the position of the thread guide of needle thread take-up B. To make this adjustment, loosen screws C and D.

To tighten the needle thread, move needle thread take-up to Y. To loosen the needle thread, move needle thread take-up to X.

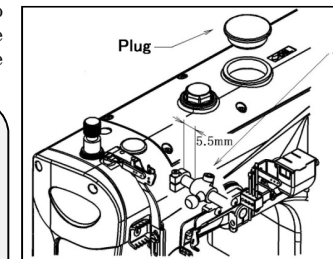


10-3 Timing of the needle thread take-up

The timing of the needle thread take-up in relation to the up-and-down movement of the needles can be adjusted. This timing is factory-set to synchronize with the up-and-down movement of the needle bar.

< Note >

The rod ball is factory-set at 5.5mm from the rear end of the shaft. To make the needle thread loop small, move the rod ball to the front. To make the needle thread loop large, move the rod ball to the back. Remove the rubber top plug. Loosen the screw of (A) with a 5mm wrench. Then move the rod ball to the front or back.

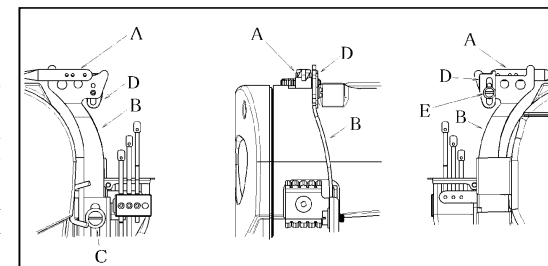


10-4 Position of the needle thread guide

When the needle bar is at the bottom of its stroke, the center of the needle bar eyelet A should be level with the top surface of needle thread guide B. To make the needle thread

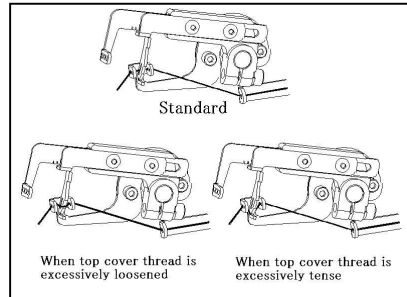
loop large, move up the thread guide B, for more stretchable threads. To make the needle thread loop small, move down the thread guide B, loosen screw C and move guide B up or down.

Also, loosen screw E and move up or down thread guide D as required.



10-5 Position of the thread guide of the spreader thread take-up

When the needle bar is at the top of its stroke, thread any one of parts on the spreader thread take-up with spreader thread. (see the illustration)

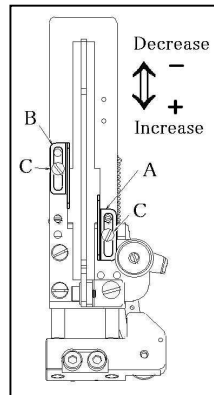


10-6 Position of the thread guide of the looper thread take-up

Position of the thread guides A, B according to the amount of looper thread supplied by the looper thread take-up. Center screws C in the slots on thread guides respectively (standard) by adjusting thread guides.

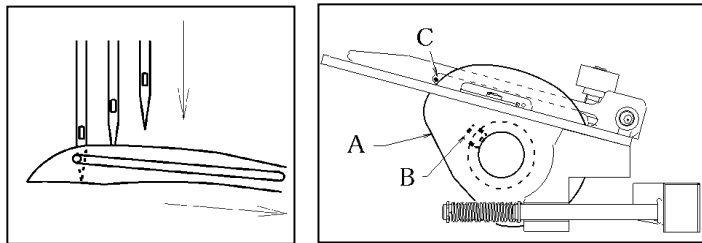
■ To increase the amount of looper thread
Move the eyelets of A and B to the front.

■ To decrease the amount of looper thread
Move the eyelets of A and B to the back.



10-7 Position of the looper thread take-up

When the point of the left needle descending to the back side of the looper has reached the bottom surface of the looper blade while the looper is moving to the right from the extreme left end of its travel, the looper thread should be removed properly from position C on the looper thread take-up. To make this adjustment, loosen screw B and adjust the looper thread take-up.



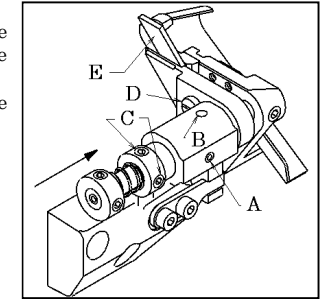
【 11 】 EK, EMK-E FRONT KNIFE DEVICE

11-1 Adjusting and oiling the lower knife holder

Loosen screw A to change the position of the lower knife holder. The upper and lower knife holders can be adjusted left to right simultaneously. When changing the distance from the right needle to the fabric edge, adjust the lower knife holder.

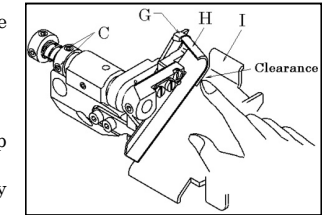
< Note >

Add a small amount of oil to oil hole B periodically.



11-2 Replacing the lower knife

- Loosen screw C on the collar. Move the shaft to the right to provide clearance up and down.
- Tighten screw C on the right collar temporarily.
- Loosen screw D.
- Align the blade of new lower knife E with the top surface of the needle plate. Tighten screw D.
- The upper and lower knives are overlapped by loosening screw C on the collar.
- Place a thread between the knives and check for the proper cutting action by turning the handwheel by hand. Tighten screw C.
- Check for the proper cutting action again.

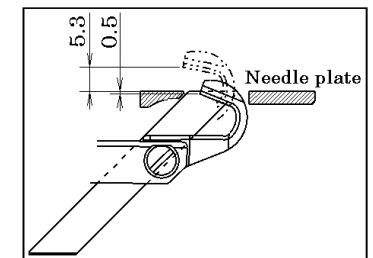
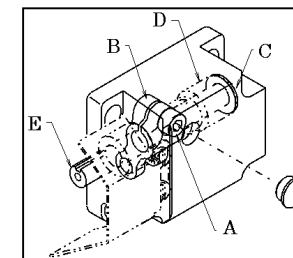


11-3 Replacing the upper knife

- Create clearance up and down between the upper and lower knives (see 12-2 1).
- Loosen screw F and remove upper knife G.
- Secure a new knife and then check for the proper cutting action (see 12-2 6).

11-4 Overlap of the upper and lower knives

When the upper knife is at the bottom of its travel, there should be approximately 0.5mm overlap of the upper and lower knives. To make this adjustment, loosen screw A on the upper knife shaft lever. Then the upper knife and upper knife holder can be moved up and down simultaneously. Tighten screw A when 0.5mm overlap of the upper and lower knives is obtained. Secure bushing D with upper knife shaft lever B and washer C so that there is no left-to-right shake on upper knife shaft E. Then tighten screw A.

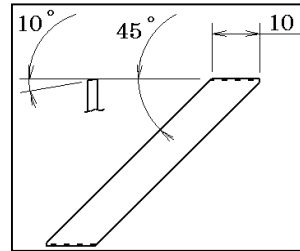


11-5 To sharpen the knife

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

< Note >

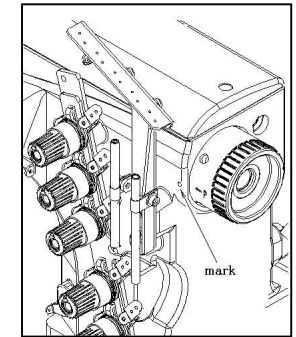
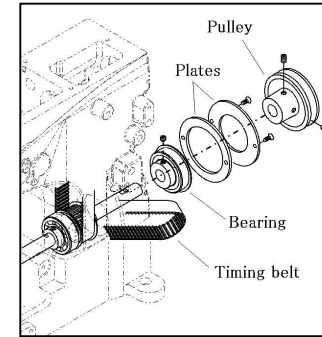
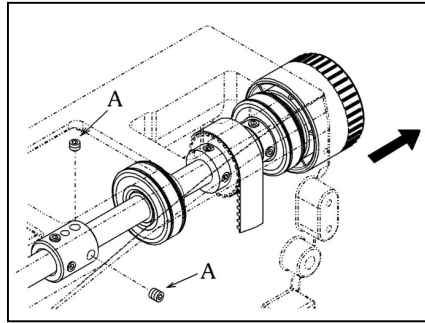
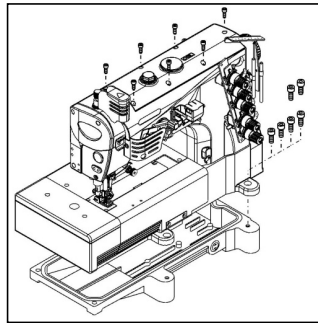
The max.space between the chip guard (H) and the shooter (I) is adjusted under 8mm at the delivery of the factory. If re-adjustment is needed due to repairing job etc., please make sure to adjust it under 8mm.



【 12】 REPLACING THE TIMING BELT

12-1 To remove the timing belt

1. Loosen the seven arm cover set screws and the four oil reservoir set screws (see the illustration). Remove each part.
2. Loosen two screws A. Remove the handwheel to the right while turning it slowly (see the illustration).
3. Remove the pulley, plates and bearing in sequence by referring to the illustration. Then remove the timing belt from the hole for the bearing.



12-2 To place the timing belt

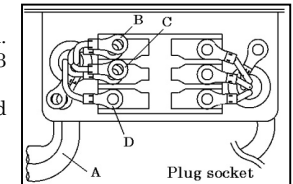
1. Install the timing belt, bearing, plates, pulley and cover by performing the reverse procedure of 14-1.
2. Position the bearing so that the point of the screw is fitted correctly into the positioning hole on the lower shaft. Then tighten the screw to secure the bearing.
3. Move the looper to the extreme right end of its travel by turning the machine pulley. Bring the needle bar down to the bottom of its stroke by hand.
4. Then place the belt onto the timing pulley on the upper shaft. Tighten two screws A.
5. Bring the needle bar up to the top of its stroke by turning the machine pulley. Check to make sure mark "P" on the handwheel is aligned with alignment mark "O" on the bed.
6. To make a fine adjustment for the timing of the needle and looper, refer to 5-5.

【 13】 MC31 (TAPE CUTTER)

13-1 Power supply cord

Connect electric cord A to ON/OFF switch of machine head. Connect the cords with blue and brown color to 2 of 3 terminal of B, C, D.

The cord with green/yellow color is earth cord which should be connected to earth terminal.

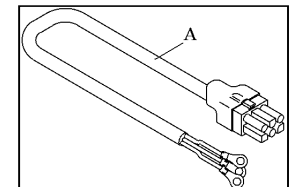


< Note >

When connecting electric cord, make sure to turn off the switch of main power source.

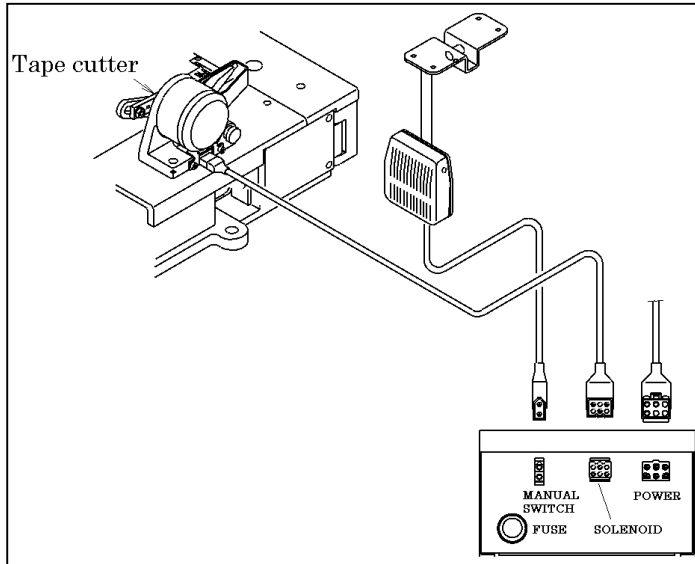
< Note >

Be careful in connecting electric cord A to control box. Check the mark of electric cord A and control box. Then, connect them.



13-2 Intermediate cord

Connect the cords with referring to the following picture. (also refer to the parts list.)
After connecting, fix the cords with bands to the proper place under the table.



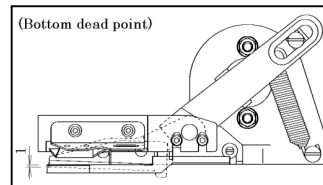
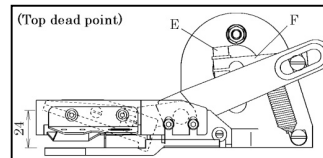
13-3 Adjustment (Electric type)

< Note >
Make sure to turn off the power (electric and compressed air), before adjusting, cleaning etc.

a) Height of Cutter

Loosen screw E and adjust lever F in order to set 24 mm of the distance between lower cutter and upper cutter at the top position (top dead point). During this adjustment, do not forget to align between surface G (surface of lever F) and edge surface of solenoid shaft.

< Note >
After adjusting, drop down upper cutter at the bottom position (bottom dead point) in pulling lever F direction to H. Then, confirm whether upper cutter and lower cutter shall meet each other at 1mm distance or not.



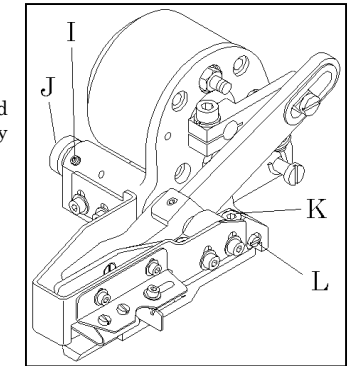
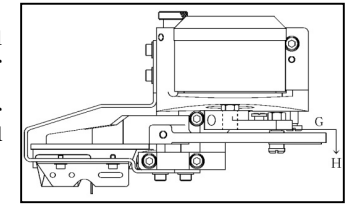
b) Overlapping of Cutter

1. Loosen screw I, then loosen screw J until disappearing of pressurized power of upper cutter.
2. Loosen screw K, then adjust screw L in order to overlap properly between upper cutter and lower cutter.

< Note >
When checking the proper overlapping between upper cutter and lower cutter, move upper cutter by your hand.

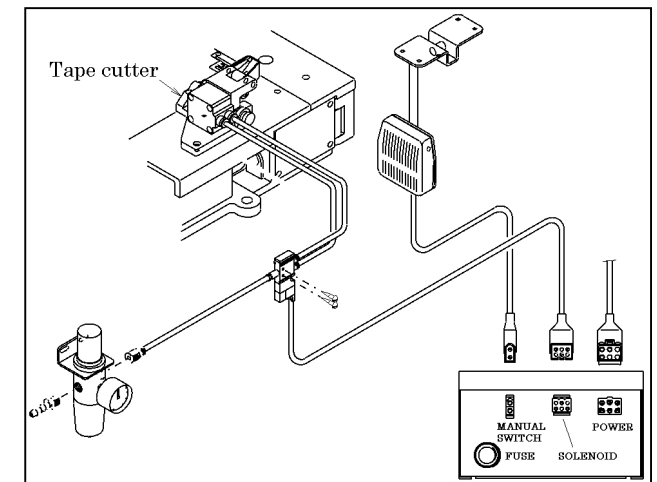
c) Power of Upper Cutter

After loosen screw I, then adjust the pressurized power of upper cutter against lower cutter by screw J.



13-4 Air piping & wiring (Air type)

Connect the air tube and the electric cords with referring to the following picture. (also refer to the parts list.) After connecting, fix the air tube and the electric cords with bands onto the proper place under the table.



13-5 Air pressure

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

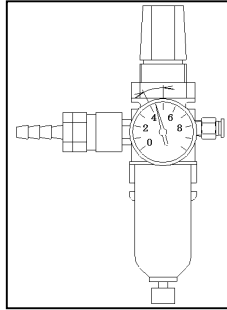
Do not increase the air pressure over 5kg/cm², which may cause trouble.

< 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.

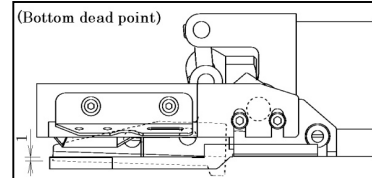
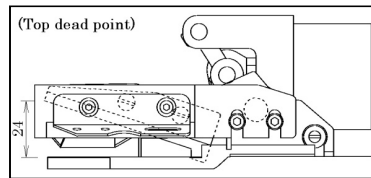
Release the remaining compressed air by regulator.



13-6 Adjustment (Air type)

a) Height of Cutter

Loosen screw K and adjust lever L in order to set 24 mm of the distance between lower cutter and upper cutter at the top position (top dead point).



< Note >

Make sure to turn off the power (electric and compressed air), before adjusting, cleaning etc.

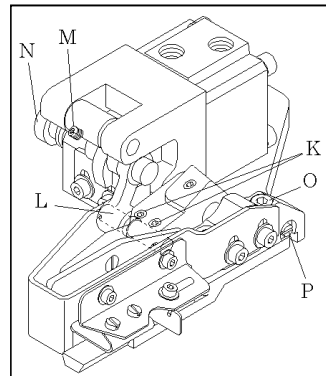
After adjusting, drop down upper cutter at the bottom position (bottom dead point). Then, confirm whether upper cutter and lower cutter shall meet each other at 1 mm distance or not.

b) Overlapping of Cutter

1. Loosen screw M, then loosen screw N until disappearing of pressurized power of upper cutter.
2. Loosen screw O, then adjust screw P in order to overlap properly between upper cutter and lower cutter.

< Note >

When checking the proper overlapping between upper cutter and lower cutter, move upper cutter by your hand.



c) Power of Upper Cutter

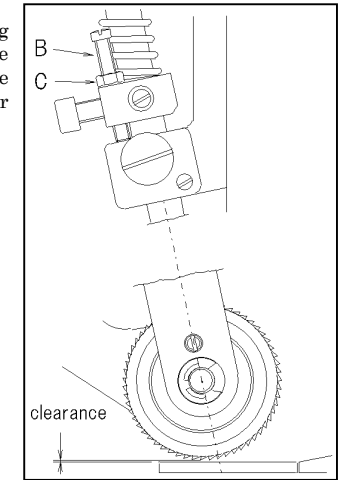
After loosen screw M, then adjust the pressurized power of upper cutter against lower cutter by screw N.

[14] ADJUSTING THE REAR PULLER

14-1 Position of the hand lever and the stopper

Pull the upper rear puller up in the time of releasing the fabric. In case of using thick fabric, should have some space between the upper rear puller and the bottom rear puller in condition of the upper rear puller is the bottom of its stroke.

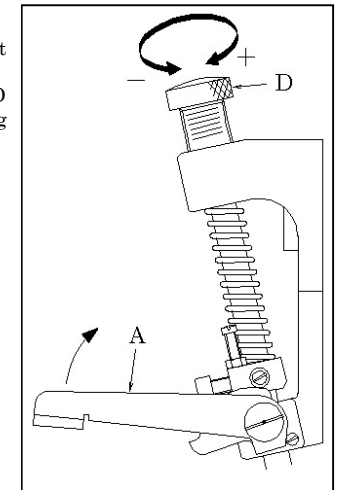
Adjust by stopper B.



14-2 To adjust the puller pressure

The puller pressure should be as light as possible, yet be sufficient to feed the fabric smoothly.

To increase the pressure, turn adjusting knob D clockwise. To decrease the pressure, turn adjusting knob D counterclockwise.



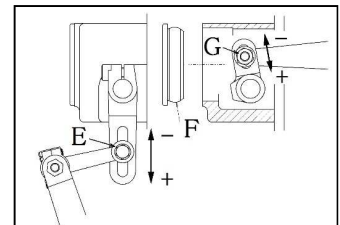
14-3 To adjust the feeding amount of the rear puller

The feeding amount of the rear puller should be the same as that of the feed dog.

Loosen screw E. To decrease the amount, move upward. To increase the amount, move downward. If the proper feeding amount is still not obtained after the above adjustment, remove rubber plug F and loosen nut G with a hex wrench.

To decrease the amount, move upward.

To increase the amount, move downward.



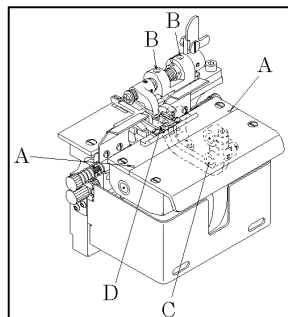
【15】 THE ADJUSTMENT OF CUTTING DEVICE

15-1 The specifications for NW2202GC/GPC

1. Needle bar stroke 31mm
2. Upper knife stroke 5.5mm
3. Cutting size 16~44mm
4. Finishing size 8~20mm

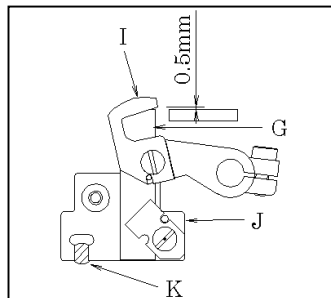
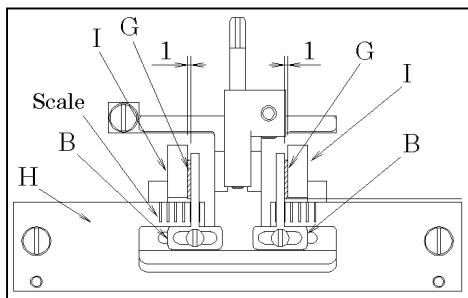
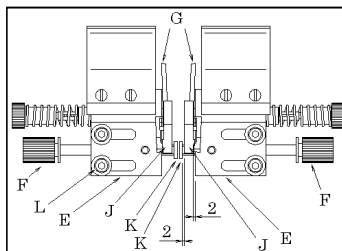
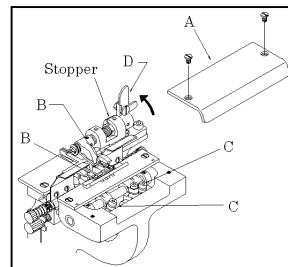
15-2 Lubrication

Fall a few oil drops sometime.



15-3 Adjustment of cutting width

- a. Remove the base cover of the knife also open the front cover and side cover.
- b. Remove the upper knife shaft's cover A.
- c. Loosen B screw on the support presser foot located on the front presser foot, C screw on upper knife bracket. And push the lever D up for lifting the front presser foot.
- d. Loosen the screw L on the stationary knife bracket E then adjust the stationary knife position by dialing the screw F according to the scale on the front needle plate. After that tighten the screw L temporary.
- e. Turn the hand pulley to position the needle bar at the bottom of its stroke.
- f. Touch the upper knife I with stationary knife G, then tighten up the screw on the upper knife bracket C after place the point of the upper knife I in 0.5mm higher than the stationary knife G.
- g. Loosen the screw on the stationary knife bracket base E for adjustment to have some space between the stationary knife bracket J and the stationary knife bracket base E and more the stationary knife bracket J and the stationary knife bracket supporter K for cutting fabrics well after that re-tighten the screw on the stationary knife bracket E.
- h. The support presser foot B positioned 1mm from the upper knife.



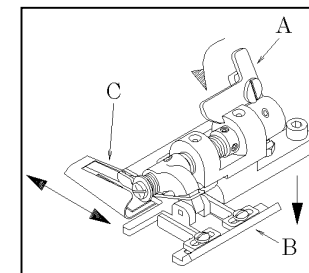
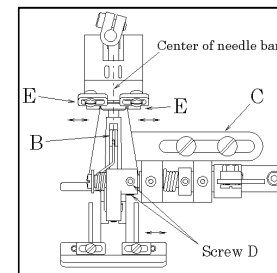
15-4 Replacement for folder

<The way of removable>

- a. Remove the screw on the folder C.
- b. Positioned the needle bar at bottom of its stroke.
- c. Lift up the main presser foot then keep the front presser foot up with lever A.
- d. Remove the folder C with pushing in front part of the front presser foot down.

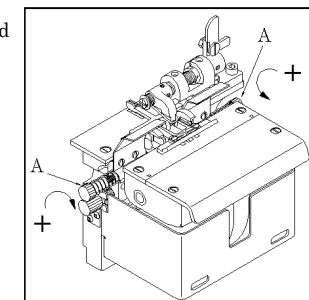
<The way of setting the folder>

- a. Positioned the center of the folder C against the center of needle bar then tighten the screw on the folder C.
- b. Positioned the point of back side of front presser foot against the center of the folder C by loosen the screw D.
- c. Hold the point of folder C between both of guide E.



15-5 Adjustment of knife pressure

Should be adjusted by dialing the screw A depend on fabrics.

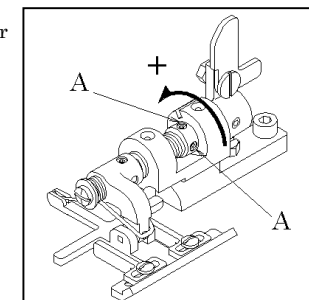


15-6 Adjustment of the front presser foot pressure

Loosen the screw A on the color to turn it up or down.

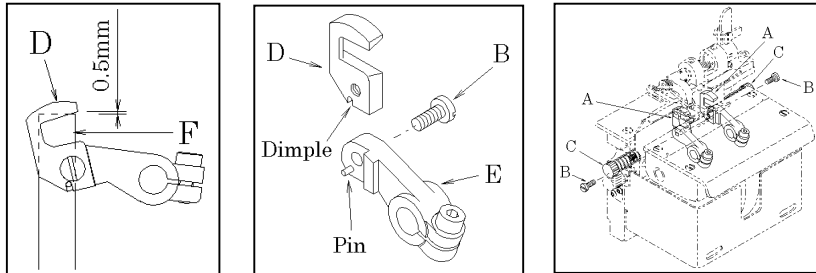
Turn it up, the pressure are increase.

Turn it down, the pressure are decrease.



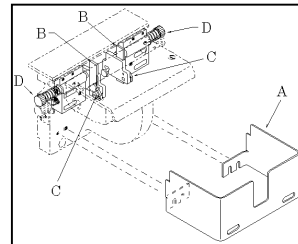
15-7 Replacement of upper knife

- Remove the upper knife by loosen the screw B and pushing the pressure adjustment dial C.
- Set the dimple of new upper knife in the pin on upper knife bracket E.
- Check the position of upper knife is located in 0.5mm higher than stationary knife.
- Check the sharpness of knife by turning on the hand pulley.

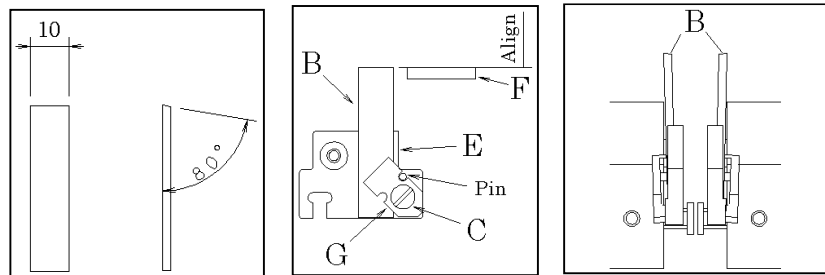


15-8 Replacement of stationary knife

- Remove the knife cover base A.
 - Remove the stationary knife B by loosen the screw C then pushing the pressure adjustment dial D.
 - Set the new stationary knife carefully in the stationary knife bracket E. The position of the point of stationary knife should be align with surface of the support needle plate. Then tighten the screw C.
- In this time, the impel of the stopper for the stationary knife G should be match with the pin.



- When the stationary knife was not cutting well, the knife have to be sharpen on a whetstone. Refer to diagram.

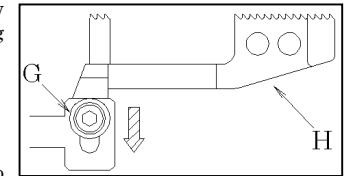
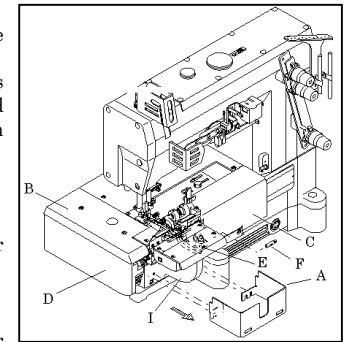


15-9 The way of remove of cutting device

Must be remove the cutting device when the gauge conversion or the gauge adjustment are altered. Additionally, in case of the cutting size were fixed less than 20mm width, widen the upper knife bracket and the stationary knife base bracket more than 20mm width.

<Remove>

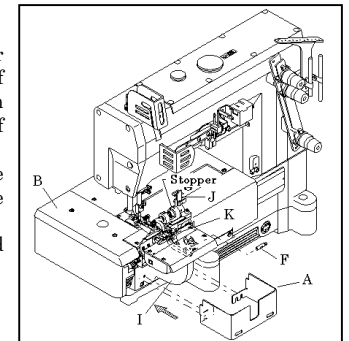
- Remove side base cover B and cutting device cover A.
- Open the front cover C and the side cover D.
- Loosen the screw E then remove the link pin F.
- Turn the hand pulley to positioned the needle bar at the bottom of its stroke then loosen the screw G to make lower position for the support feed dog H.
- Remove the cutting device bracket in front.



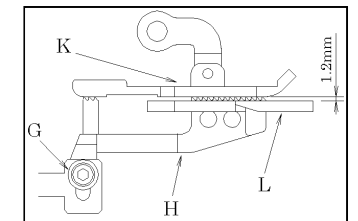
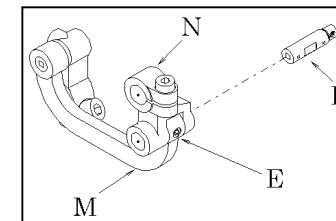
- A positioning pin is fit the cutting device bracket so that move it off with screwdriver slowly.

<Replacement>

- Replace the cutting device I.
- Turn the hand pulley to positioned the needle bar at the top of its stroke then adjust the tip of support feed dog to positioned 1.2mm higher from the surface of support needle plate in condition of the support presser foot is the down position.
- Fit the connecting link M into the upper knife connecting lever N then put the link pin F into the hole.
- Replace the cutting device bracket cover A and side cover base B.

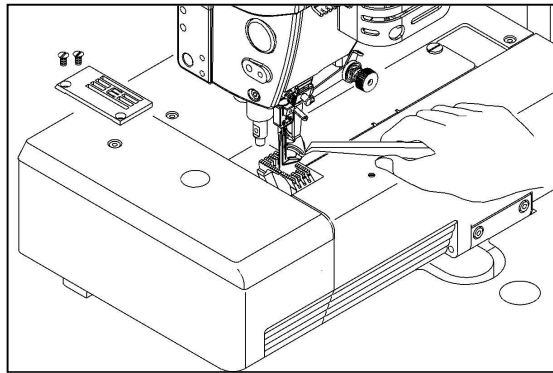


- Re-adjust the cutting width. Refer to 15-3.



【 16】 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.



UT Series Instruction Manual

CONTENTS

INTRODUCTION

Thank you for your purchasing Kansai Special's NW NL/UT Series.

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

This instruction manual describes adjustments and maintenance procedures for the thread trimmer.

Refer to the NW Series instruction manual for other information.

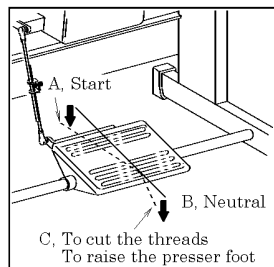
1. HOW TO USE THE THREAD TRIMMER	1
2. INSTALLING THE POSITION DETECTOR	1
3. ADJUSTING THE THREAD TRIMMER AIR CYLINDER	
3-1 Air cylinder stroke	2
3-2 Air cylinder return spring	2
4. ADJUSTING THE THREAD TRIMMER SOLENOID	
4-1 Solenoid stroke	2
4-2 Adjusting the solenoid return spring	2
5. ADJUSTING THE THREAD TRIMMER	
5-1 Position of the movable knife and the stationary knife	3
5-2 Adjusting the looper thread clamp spring	3
5-3 Adjusting the movable knife pressure spring	3
5-4 Adjusting the movable knife holder left and right	4
5-5 Adjustment of stopper for stationary knife base	5
5-6 Adjusting the movable knife front to back	5
5-7 Adjusting the movable knife up and down	5
5-8 Relationship between the movable knife, needle thread and looper thread	6
5-9 Looper thread clamp spring pressure	6
6. ADJUSTING THE THREAD RELEASER	
6-1 Thread releaser block	7
6-2 Thread releaser connection plate	7
6-3 Thread releaser lever	7
6-4 Looper thread take-up	8
6-5 Thread releaser plate	8
6-6 Thread releaser hook	8
7. SAFETY DETECTOR	8
8. ADJUSTING THE SPEED CONTROLLER AND AIR PRESSURE (UTA)	9
9. AIR WIPER ADJUSTMENT(UTA,UTAB)	9
10. THREAD WIPER ADJUSTMENT(UTE)	10
11. ADJUSTING THE PRESSER FOOT LIFT	10
12. ADJUSTING THE TOP COVER THREAD TRIMMER	
12-1 Relationship between the position of the movable knife and the stationary knife	11
12-2 Adjusting the top cover thread clamp spring	11
12-3 Adjusting the top cover thread rear spring	12
12-4 Adjusting the thread clamp pressure	12
12-5 Adjusting the movable knife left to right	12
12-6 Adjusting the movable knife front to back	12
12-7 Adjusting the height of the movable knife	12
12-8 Adjusting the solenoid return spring (UTE)	13
12-9 Adjusting the top cover thread releaser hook	13
13. WIRING AND PIPING	14

[1] HOW TO USE THE THREAD TRIMMER

< Note >

Do not use this thread trimmer with no fabric under the presser foot.

- Pressing the pedal with toe (position A) starts the machine. Releasing the pedal (position B) stops the needle at the top/bottom of its stroke (adjustable with the motor).
- If the needle stops at the bottom of its stroke as adjusted, pressing the pedal with heel (position C) raises the needle. As soon as the needle stops at the top of its stroke by pressing the pedal with heel, the thread trimmer gets actuated (if the needle stops at the top of its stroke as adjusted, the thread trimmer gets actuated by pressing the pedal with heel).
- Returning the pedal to position B lowers the presser foot.
- The presser foot can be raised or lowered freely by releasing the pedal (position B) or pressing the pedal with heel (position C) until the pedal is placed at position A for the next sewing operation after the threads are cut.

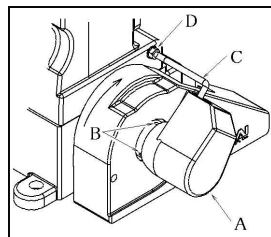


[2] INSTALLING THE POSITION DETECTOR

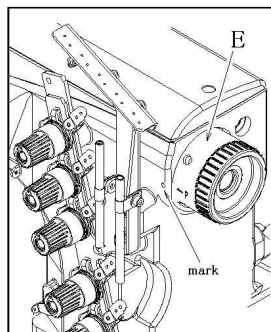
- Install position detector A and tighten screw B temporarily.
- Fit positioner bar C onto the guide groove of the position detector. Then tighten screw D.
- Turn on the motor.

< Note >

Remove the connector for the thread trimmer cylinder. Make sure the knife is retracted all the way.



- Press the pedal with heel after two to three stitches are formed by pressing the pedal with toe. Then the needle stops.
- Loosen screws B for the position detector. Turn the machine pulley while checking that the position of screws B is not shifted. Align mark P on handwheel E with the alignment mark on the arm. Then the needle bar is at the top of its stroke. Tighten screws B to secure the position detector.
- Check to see if the needle bar stops at the top of its stroke by pressing and then releasing the pedal.

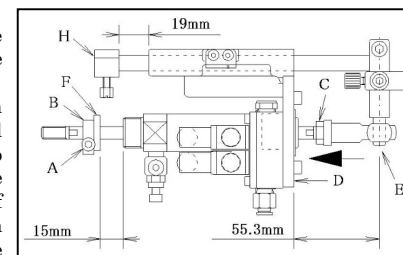


[3] ADJUSTING THE THREAD TRIMMER AIR CYLINDER

3-1 Air cylinder stroke

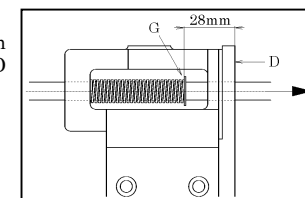
The stroke of the air cylinder should be approximately 15mm. Adjustment is made by loosening collar B and screw A.

There should be a clearance of 15mm between rubber cushion F and the rear end of the cylinder. Position joint shaft E so that the distance from left end of the cylinder mounting bracket D to the center of joint shaft E is approximately 55.3mm when the cylinder retracts. Adjustment is made by loosening nut C. In these conditions, there should be a clearance of approximately 19mm between thread releaser block H and cylinder mounting bracket D.



3-2 Air cylinder return spring

There should be a clearance of approximately 28mm between ring G and air cylinder mounting bracket D when the plunger of the air cylinder protrudes.

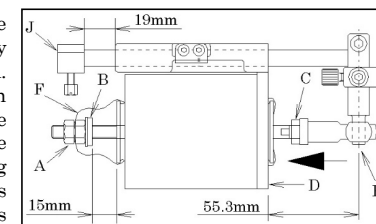


[4] ADJUSTING THE THREAD TRIMMER SOLENOID

4-1 Solenoid stroke

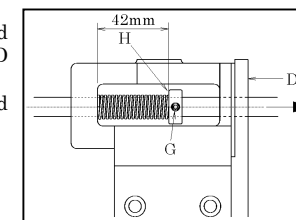
The stroke of the solenoid should be approximately 15mm. Adjustment is made by removing rubber cover F and loosening screw A. There should be a clearance of 15mm between rubber cushion B and the rear end of the solenoid. Position joint shaft E so that the distance from the left end of solenoid mounting bracket D to the center of joint shaft E is approximately 55.3mm when the solenoid has retracted. Adjustment is made by loosening nut C.

In these conditions, there should be a clearance of approximately 19mm between thread releaser block J and solenoid mounting bracket D.



4-2 Adjusting the solenoid return spring

There should be a clearance of 42mm between solenoid return spring collar H and solenoid mounting bracket D when the plunger of the solenoid protrudes. Adjustment is made by loosening screw G on solenoid return spring collar H.



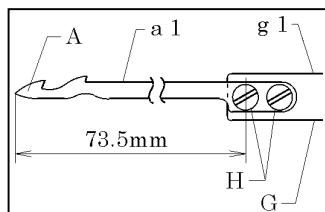
[5] ADJUSTING THE THREAD TRIMMER

5-1 Position of the movable knife and the stationary knife

■ Position of the movable knife

Set the (a 1) part of the movable knife A parallel to the (g 1) part of the stationary holder G.

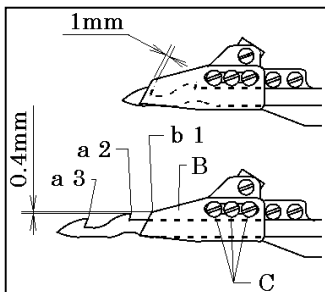
Set the distance from point of movable knife A and the center of left screw H at approximately 73.5mm.



■ Relation between the stationary knife and the movable knife.

Adjust the engagement between blade (a 3) for trimming looper thread and stationary knife to be 1mm when movable knife is at the extreme right.

So that between the point of blade (a 2) for cutting needle thread and corner (b 1) of stationary knife B to be 0.4mm. The adjustment is made by loosening screw C. Note that the looper thread clamp spring is simultaneously loosened.

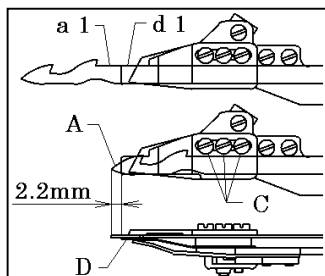


5-2 Adjusting the looper thread clamp spring

Position of looper thread clamp spring D so that the part (a 1) of movable knife and the part (d 1) of looper thread clamp spring are on the same plane.

And adjust it will protrude approximately 2.2mm from the point of movable knife A when movable knife is at the extreme right.

Adjustment is made by loosening screw C.

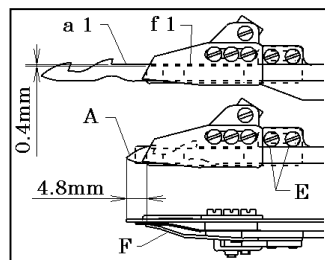


5-3 Adjusting the movable knife pressure spring

Position of movable knife pressure spring F so that the part (a 1) of movable knife parallel to the part (f 1) of movable knife pressure spring.

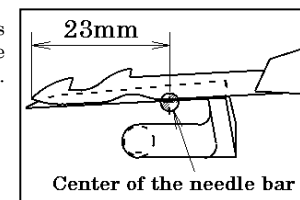
And adjust it will protrude approximately 4.8mm from the point of movable knife A when movable knife is at the extreme right.

Adjustment is made by loosening screw E.

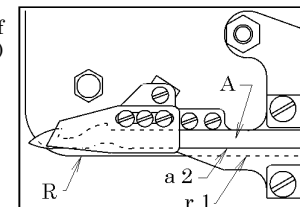


5-4 Adjusting the movable knife holder left and right

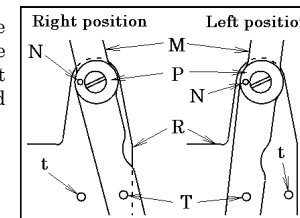
With movable knife A at the extreme left end of its travel, there should be a distance of 23mm from the center of the needle bar to the point of movable knife A.



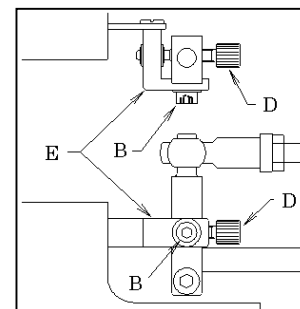
■ When the movable knife is at the extreme right end of its travel, Align the part (a2) of movable knife (A) parallel with the part (r1) of knife holder plate (R).



■ Easy test for checking the correct travel of the movable knife is to agree the mark (T) of driving lever (M) to the mark (t) of knife holder plate (R) at the extreme right end or left end of its travel. The left side is a standard position for the mark (N) of guide lever ring (R).

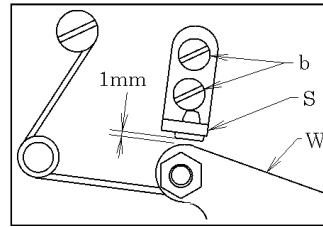


■ The adjustment of its travel is made by dial screw D. Loosening screw B on the blacket E then dialing screw D. After that, tighten screw B on the blacket E.



5-5 Adjustment of stopper for stationary knife base

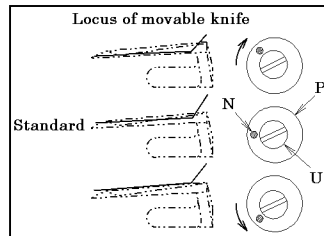
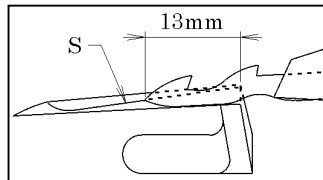
The clearance is approximately 1mm between the stationary knife base W and the stopper S, when the stationary knife base get in position.



5-6 Adjusting the movable knife front to back

To adjust the movable knife front to back, alignment line (S) of movable knife over the looper with the point of movable knife 13mm moved to the left from the right end of looper.

To adjust, when loosening screw U and turning lever ring P clockwise, the movable knife point moves forward and turning it counterclockwise, the point moves backward.



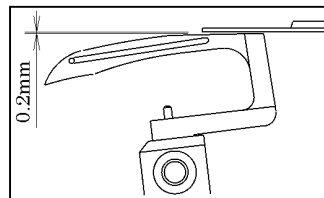
5-7 Adjusting the movable knife up and down

There should be a clearance of 0.2mm between movable knife and the top surface of looper.

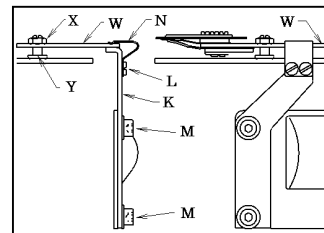
The adjustment is made by loosening nut X and moving stationary knife holder (W).

After the above adjustment, make sure the movable and stationary knife holders move smoothly.

Do not adjust this clearance by changing the height of the looper. Otherwise it may cause skip stitching.



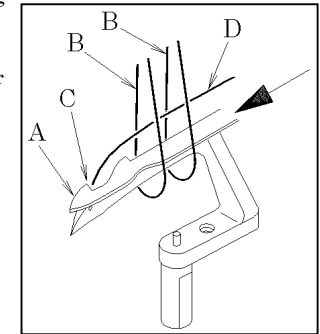
And after that, hold the stationary knife base softly between the stationary knife base's guide K and the stopper of stationary knife base's spring N. Adjust by screw M and L.



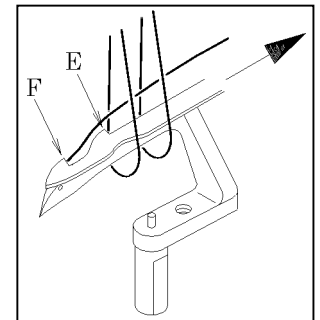
5-8 Relationship between the movable knife, needle thread and looper thread

After all the adjustments are made, check the following before threading to start the machine.

- Movable knife A should enter needle thread loops B. Cutting edge C for the looper thread should pass looper thread D.



- When the movable knife is returning home, the needle threads and looper thread are pulled to the right by cutting edges E and F and cut by the stationary knife.



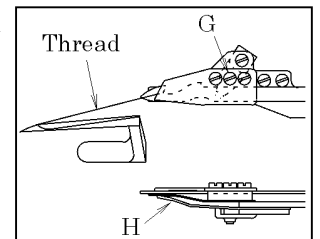
5-9 Looper thread clamp spring pressure

The looper thread clamp spring holds the looper thread after it is cut. To adjust the pressure of thread clamp spring H, turn adjusting screw G.

To increase the pressure, turn it clockwise.

To decrease the pressure, turn it counterclockwise.

The machine is supplied with a spun thread (#60). The pressure of the thread clamp spring is factory-set at approximately 90g. Adjust the pressure for other threads.

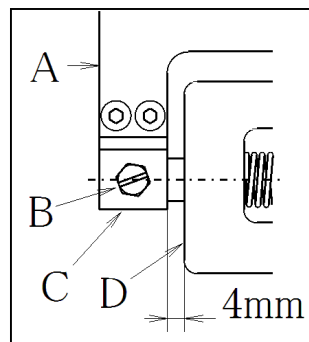


[6] ADJUSTING THE THREAD RELEASER

6-1 Thread releaser block

With the thread trimmer air cylinder rod or the solenoid rod at the left end of its travel (the air cylinder is not operating), there should be a clearance of 4.0mm between the thread trimmer air cylinder bracket D and thread releaser block C.

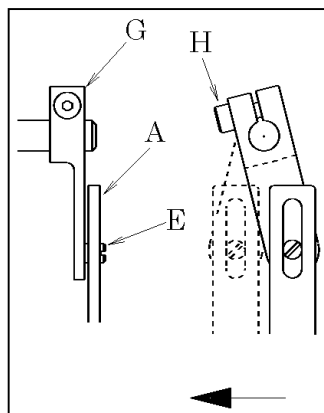
After this adjustment, tighten screw B.



6-2 Thread releaser connection plate

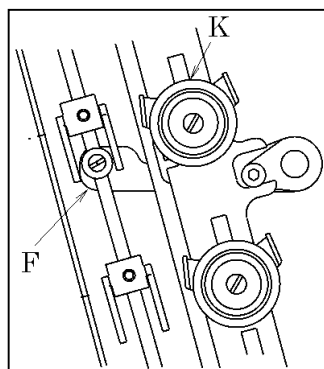
Fit thread releaser connection plate A onto guide screw E with a clearance between A and thread releaser connection lever G.

Adjustment is made by loosening screw H.



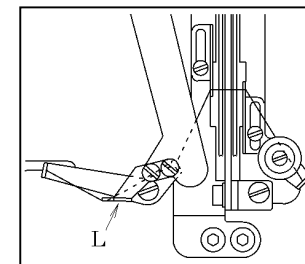
6-3 Thread releaser lever

When thread releaser block C operates, thread tension disk K should open as fast as possible. To make this adjustment, position thread releaser lever F and then tighten screw H on thread releaser connection lever G at the rear end of the arm.



6-4 Looper thread take-up

This machine is equipped with looper thread take-up L. Thread looper thread take-up L with a looper thread.

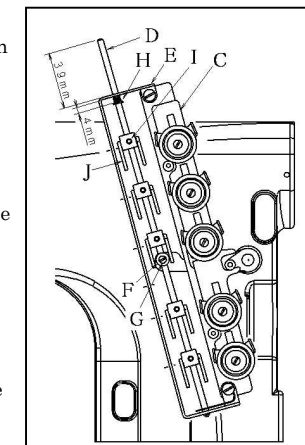


6-5 Thread releaser plate

The thread tension disks should open as fast as possible. To make this adjustment, loosen screw B on thread releaser plate adjusting collar A and then adjust the position of thread releaser plate C.

With the upper end of thread releaser bar D 39mm protruded from the top surface of thread releaser bar guide E, secure thread releaser bar D on thread releaser connection plate F with screw G.

In the above condition, the length of spring H should be approximately 4mm.



6-6 Thread releaser hook

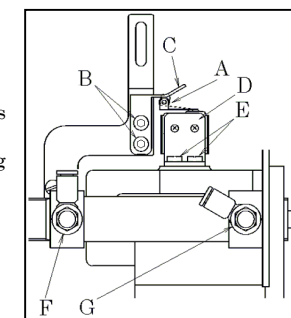
The needle thread should not be shown long on the back of the fabric. Adjustment is made by loosening screw I and positioning thread releaser hook J.

To decrease the amount of thread to be supplied, raise the thread releaser hook. To increase the amount of thread to be supplied, lower the thread releaser hook. Do not decrease the amount too much.

Otherwise stitches at the start of sewing will not be formed.

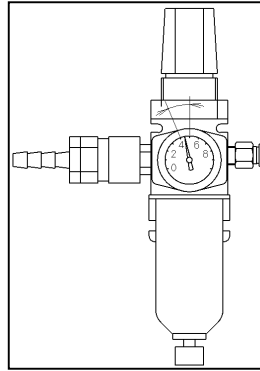
[7] SAFETY DETECTOR

- The safety detector is included so that the machine will not run if the thread trimmer does not return home safely after the operation. Switch A on the safety detector must be ON (switch A is pressed) during sewing (the thread trimmer is completely at home). Adjustment is made by loosening screws B and E and moving brackets C and D as required.



【 8】 ADJUSTING THE SPEED CONTROLLER AND AIR PRESSURE (UTA)

- Speed controller F controls the speed when the thread trimmer knife holder protrudes. Speed controller G controls the speed when the thread trimmer knife holder retracts. If screw F is too loosened, the holder will protrude too fast and then the position of the movable knife will be unstable, causing cutting error. If screw G is too loosened, the holder will retract too fast and then the looper thread may not be held properly (the speed controllers are factory-set).

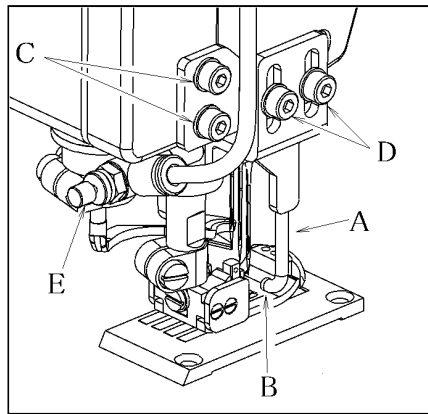
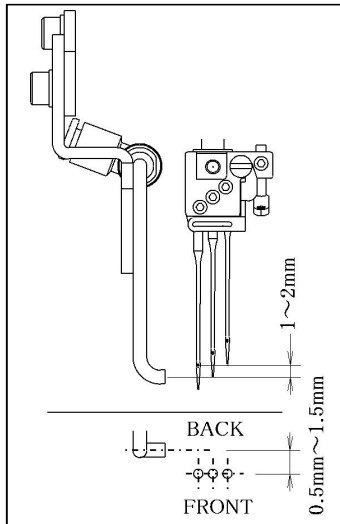


< Note >

Set the regulator at 4~5kg/cm². To increase the pressure, turn the adjusting knob clockwise. Too fast speed will give a shock to the knife holder. Then the threads will be cut before they are caught by the knife or the threads will not be held properly. It may cause trouble.

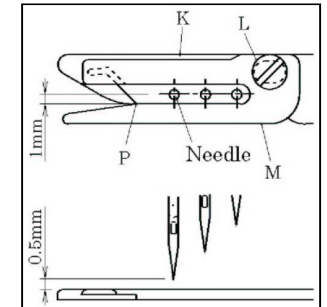
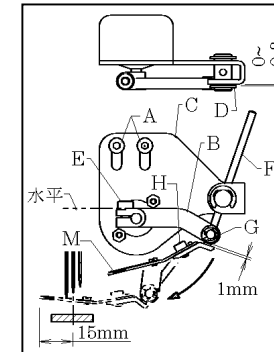
【 9】 AIR WIPER ADJUSTMENT (UTA, UTAB)

- When the needle bar is at the top of its stroke, position air blowing outlet B 1~2mm below the left needle's eye. Loosen screw D and air wiper up or down required.
- The position of air blowing outlet B should be 0.5~1.5mm from backside of the needles. Loosen screw C and air wiper front or back required.
- Adjusting amount of blowing air by adjust screw E.



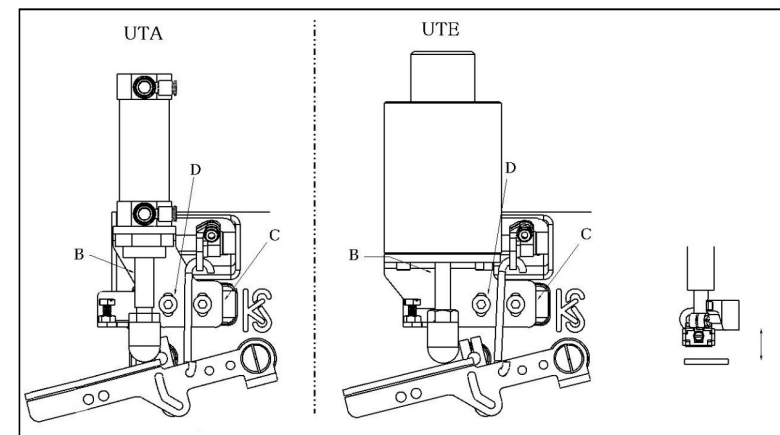
【 10】 THREAD WIPER ADJUSTMENT (UTE)

- Tighten screw E to position lever B horizontally. There should be a 0 to 0.3mm clearance between bracket C and stopper ring D.
- Position thread wiper K with screw H. The distance between the left end of the thread wiper and the center of the needle bar should be approximately 15mm when the thread wiper is all the way to the left and clearance between the needle center and point P of the thread wiper should be approximately 1mm.
- The distance between the left needle and thread wiper K should approximately 0.5mm with screw A.
- Position of thread wiper K is parallel with flat spring M with screw L.



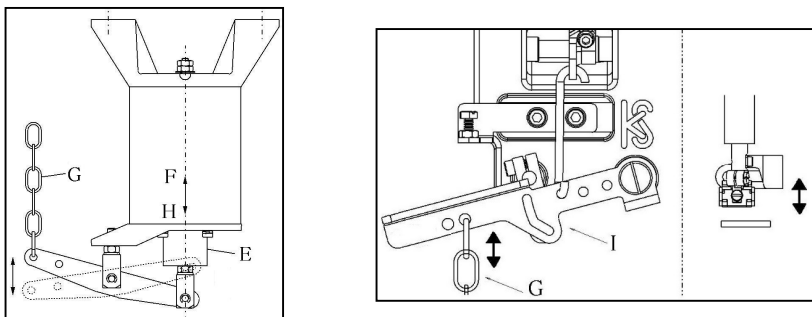
【 11】 ADJUSTING THE PRESSER FOOT LIFT

- Foot lift on the machine with spreader 6mm above the top surface of the needle plate
- Foot lift on the machine without spreader 8mm above the top surface of the needle plate
- To make these adjustment, loosen screw D. Move bracket C up or down.



■ Electric presser foot lifter for P-UTE

When plunger E moves in direction of F, the presser foot should be 6mm or 8mm above the top surface of the needle plate. Adjust by using chain G. Note that there is a little slack on chain I when plunger E moves in the direction of H. Then make sure the presser foot whether or not the floating when the machine running.

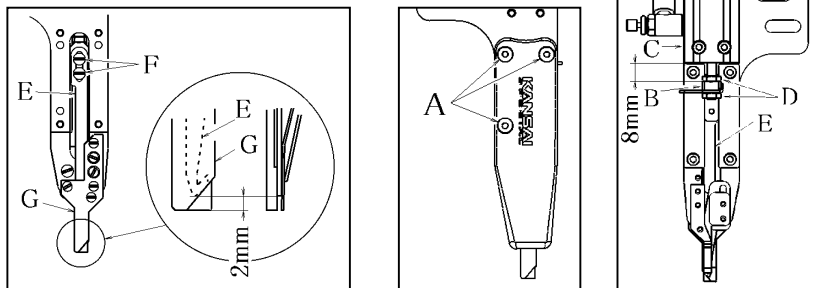


[12] ADJUSTING THE TOP COVER THREAD TRIMMER

12-1 Relationship between the position of the movable knife and the stationary knife

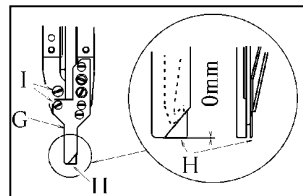
When the movable knife E retracts all the way, Set the clearance between mount bracket B and the end of the air cylinder C at 8mm. Tighten nut D.(Model for UTA)

When the movable knife E retracts all the way, Set the clearance between the end of fixed knife G and the top of the movable knife E at 2mm. Loosen screw A to open the cover, then loosen screw F and adjust knife position.



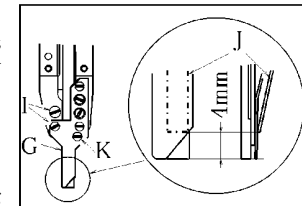
12-2 Adjusting the top cover thread clamp spring

Top cover thread clamp spring H should parallel and same line with end of the stationary knife G. Loosen screws I and adjust spring H



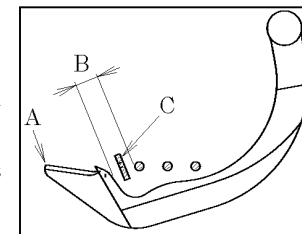
12-3 Adjusting the top cover thread rear spring

Top cover thread rear spring J should parallel and set to approximately 4mm from end G of the stationary knife. Loosen screws I and adjust spring J



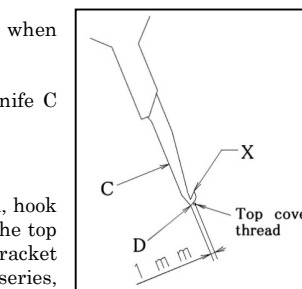
12-4 Adjusting the thread clamp pressure

The spring H holds the top cover thread after it is cut. To adjust the pressure of the spring, turn adjusting screw K. To increase the pressure, turn it clockwise. To decrease the pressure, turn it counterclockwise.



12-5 Adjusting the movable knife left to right

Movable knife C should pass clearance B between spreader A and the left needle. Loosen screw H for bracket G. Adjust movable knife C while checking it does not touch spreader A or the left needle.

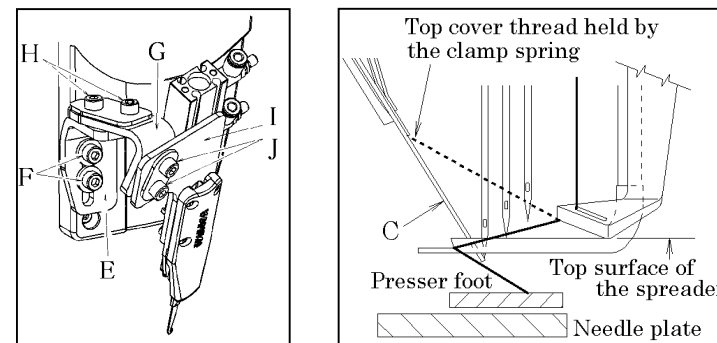


12-6 Adjusting the movable knife front to back

The movable knife should hook the top cover thread when the movable knife returns home. Loosen screws J on movable knife installation base I. Set the clearance between hook end D of movable knife C and the top cover thread at approximately 1mm.

12-7 Adjusting the height of the movable knife

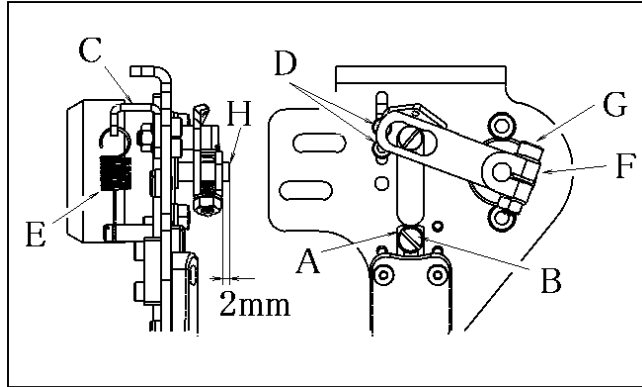
When the movable knife is at the bottom of its travel, hook point X of the movable knife should be aligned with the top surface of the spreader. Then tighten screws F when bracket E is in the lowest position. In case of the UTE series, adjustment is made by moving stoppers A. Loosen screw B for stopper. (See the illustration on the next page)



< Note >
Turn off the motor, position the fabric under the presser foot and then adjust by hand.

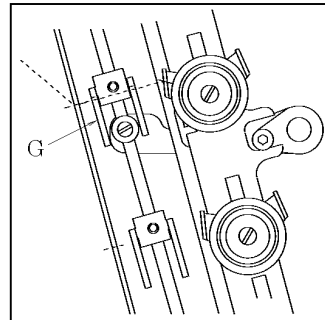
12-8 Adjusting the solenoid return spring (UTE)

To adjust the returning pressure of the movable knife, loosen screw D for spring hook C and move spring hook C up or down. To increase the pressure, move up hook C. To decrease the pressure, move down hook C. The pressure of spring E should be as light as possible, yet be sufficient to return the movable knife home correctly when the solenoid gets actuated. Set the clearance between drive lever F and solenoid shaft H at approximately 2mm. Then tighten screw F for drive lever B.



12-9 Adjusting the top cover thread releaser hook

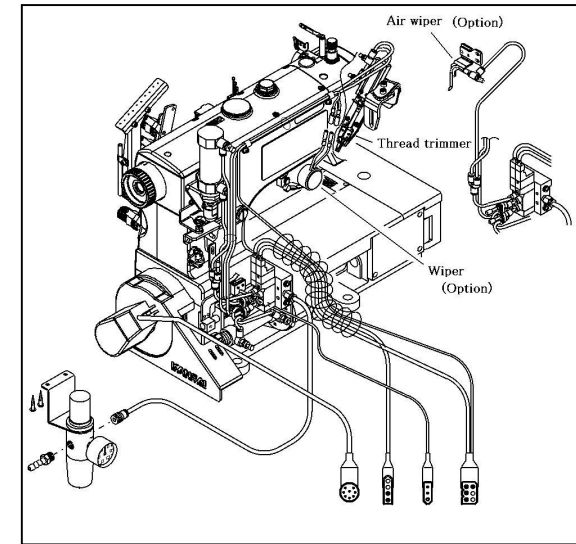
To decrease the amount of the thread supplied by the thread take-up, move up thread releaser hook G. To increase the amount of the thread supplied by the thread take-up, move down thread releaser hook G. If the amount is too small, the top cover thread cannot be held after it is cut.



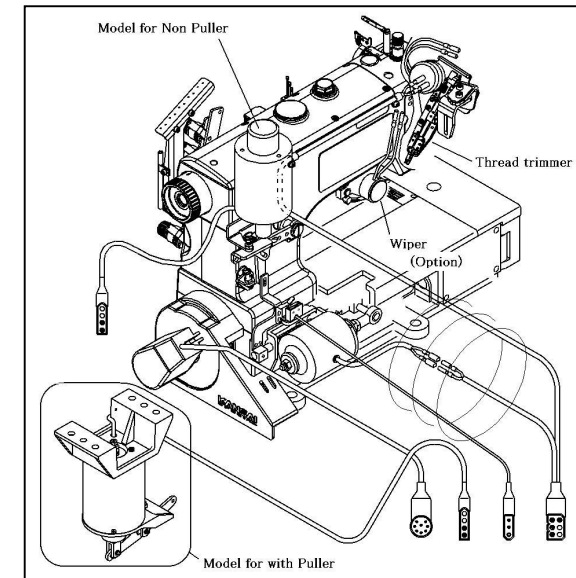
[13] WIRING AND PIPING FOR PNEUMATIC DEVICES

■ Model for UTA

Connect air lines and cords by referring to the illustration below and the parts list.



■ Model for UTE



株式会社 森本製作所

本社 〒575-0001 大阪府四条畷市砂 一丁目 4 番 17 号 TEL: 072-877-1221 FAX: 072-878-9649

MORIMOTO MFG. CO., LTD.



1-4-17, SUNA, SHIJONAWATE-CITY, OSAKA 575-0001, JAPAN

TEL: +81-72-877-1221 FAX: +81-72-878-9649 E-MAIL: hqeigyo@kansai-special.com URL: www.kansai-special.com

FOREIGN AFFILIATED COMPANIES

KANSAI SPECIAL AMERICAN MACHINE CORP.

476 HAMPSHIRE DR., GAFFNEY, SC 29341. USA

E-MAIL: ksam@kansaispecial.net

KANSAI SPECIAL EUROPE GMBH

QUIRINSTR. 19, 40545 DUSSELDORF, GERMANY

TEL: +49-211-577-9090 FAX: +49-211-558-1477 E-MAIL: contact@kansai-special.de



MORIMOTO SINGAPORE PTE LTD.

NO.51 PENJURU ROAD #02-02 SINGAPORE 609143

TEL: +65-6334-1305 FAX: +65-6334-1365 E-MAIL: info@kansaispecial.com.sg

MORIMOTO SINGAPORE PTE LTD INDIA LIAISON OFFICE

NO.11 SENTHILL NAGAR, PERRIYAR COLONY, AVINASHI ROAD. TIRUPUR, INDIA 641652

TEL: +91-421-4248229 E-MAIL: info-india@kansaispecial.com.sg

MORIMOTO SINGAPORE PTE LTD BANGLADESH LIAISON OFFICE

HOUSE-09, FLAT-1/A & 1/B, ROAD-04, SECTOR-03, UTTARA, DHAKA-1230 BANGLADESH

TEL: +88-02-8931702 FAX: +88-02-8931704 E-MAIL: salesbangladesh@kansaispecial.com.sg

KANSAI (SHANG HAI) INDUSTRIAL SEWING MACHINE CO., LTD

NO.55 LANE835, JIAXIN ROAD, MALU TOWN, JIADING DISTRICT, SHANGHAI 201818, CHINA

TEL: +86-21-5990-1798 FAX: +86-21-5990-1538 E-MAIL: kansaish@spe.sina.net

