



Ref. No.	PART NO.	PART NAME.	Amt. Req.
1	01-001A-1370	Arm bed assembly	1Set
	SC-0226-4111	Screw (7/16" n=16)	1
	SC-0222-4111	Screw (1/2" n=12)	1
	SC-0225-4111	Screw (7/16" n=16)	2
	01-007W-1230	Washer For 4	2
	SP-0120-9112	Pin (φ 7×L34.4)	2
	01-006A-2350	Face plate	1
	SC-0179-4118	Screw (11/64" n=40)	4
	01-007C-2350	Gasket for 7	1
1	SU-0112-8512	Rubber cap (φ 16)	1
1	SU-0110-8512	Rubber cap (φ 12)	1
2	01-008M-2350	Brand mark for 7	1
3	01-031C-1230	Thread guide for 7	1
4	SC-0120-2118	Screw (9/64" n=40)	2
5	01-039C-2500	Cover for take up lever	1
5	SC-0175-4518	Screw (11/64" n=40)	1
7	01-010A-1600	Thread guide for presser bar	1
3	SC-0120-2118	Screw (9/64" n=40)	1
3	01-030C-1230	Thread guide for arm	1
1	01-016A-2350	Guide bar for thread	1
1	01-027C-1230	Nut for 20	1
2	01-010M-2350	Brand mark for arm	1
3	01-011A-2350	Top cover	1
4	01-012C-2350	Gasket for 23	1
5	SC-0179-4118	Screw (11/64" n=40)	4
5	01-013M-137A	Model mark	1
5	01-013M-137B	Model mark	1
7	SU-0111-8512	Rubber cap (φ 7.5)	6
8	SU0110-8512	Rubber cap (φ 12)	4
9	SU-0111-8512	Rubber cap (φ 7.5)	1
0	01-035A-123A	Needle plate	2
1	SC-0119-4119	Screw (11/64" n=40)	2
2	01-034A-1230	Slide plate ass'y	1
-1	01-134A-1230	Slide plate	1
-2	01-234A-1230	Spring for 32-1	1
-3	SC-0125-4124	Screw (3/32" n=56)	2
3	01-016C-1230	Bad leg front (A)	1
4	01-017C-1230	Bad leg front (B)	1
5	01-015C-1230	Bad leg rear	1
6	SC-0346-4113	Screw (M8×1.25)	1
7	SW-0142-1015	Washer (φ 8×t2.0)	2
8	SN-0112-4000	Nut (M8×1.25)	1
9	SU-0109-8112	Rubber cap (φ 6.35)	2
0	01-011C-1230	Rubber plug	1
1	01-043C-1230	Bed hinge	2
2	01-042R-1230	Rubber for 41	2

Ref. No.	PART NO.	PART NAME.	Amt. Req.
43	01-041R-1230	Rubber base for bed (A)	2
44	01-013R-1230	Rubber base for bed (B)	2
45	01-027A-1230	Three hole thread eyelet	1
46	01-027C-1230	Nut for 45	1
47	02-001A-1370	Main shaft	1
48	02-015C-1230	Adjusting valve for lubrication	1
49	SO-0101-1011	O-ring (P4)	1
50	02-017G-1230	Spring for 48	1
51	SF-0121-8012	Felt (φ 8×5)	1
52	02-018W-1230	Collar for 51	1
53	SW-0106-1011	Washer (φ 3.6×t0.9)	1
54	SU-0113-1111	Rubber cap (φ 6.6)	1
55	02-014W-1230	Washer for 54	1
56	02-011R-1230	Set screw for 54	1
57-1	02-010A-235A	Counter weight	1
57-2	SC-0123-4422	Screw (9/32" n=28)	1
57-3	SC-0129-4515	Screw (1/4" n=40)	1
57-4	SC-0153-4117	Screw (1/4" n=40)	3
58	SW-0105-9011	Washer (φ 8×t2)	1
59	02-025A-1230	Main shaft front bushing	1
60	SC-0101-4517	Screw (15/64" n=28)	7
61	02-026A-1230	Main shaft center bushing	1
62-1	02-021A-1230	Main shaft collar	1
62-2	SC-0129-4515	Screw (1/4" n=40)	2
63-1	02-211A-1230	Main shaft gear	1
63-2	SC-0129-4515	Screw (1/4" n=40)	2
64	02-027A-1230	Main shaft rear bushing	1
65	02-028C-1230	Oil seal for 64	1
66	02-003A-2350	Pully	1
67	SC-0150-4122	Screw (15/64" n=28)	2
68	SC-0188-4124	Screw (15/16" n=24)	1
69	03-001A-1230	Upright shaft	1
70-1	02-212A-1230	Upright shaft upper gear	1
71	03-002A-1230	Upright shaft upper bushing	1
72	03-001A-2350	Upright shaft Lower bushing	1
73-1	02-213A-1230	Upright shaft lower gear	1
74	04-001A-235A	Needle bar	1
75	04-002A-2500	Needle bar upper bushing	1
76	SC-0110-4115	Screw (15/64" n=28)	3
77	SU-0116-8512	Rubber cap (φ 8.3)	1
78	04-003A-250A	Needle bar lower bushing	1
79	04-005C-1230	Thread guide for 74	1
80	04-006A-1230	Guide block for 78	1
81	SC-0131-4522	Screw (1/8" n=44)	1
82	006-00T-0002	Needle	11
83	04-002C-3400	Thread guide for 74	1

Ref. No.	PART NO.	PART NAME.	Amt. Req.
84	05-001A-1230	Presser bar	1
85	SC-0339-4125	Screw (1/2" n=28)	1
86	SN-0100-4000	Nut (9/16" n=20)	1
87	05-003G-235A	Presser regulation spring	1
88	05-007C-1230	Presser regulation Bar	1
89	05-003A-1370	Holder for 84	1
90	SC-0174-4122	Screw (11/64" n=40)	1
91	SU-0118-1512	Rubber cap (φ 10.5)	1
92	05-001A-1230	Presser Bar	1
93	05-005A-1600	Hinge foot complete	1Set
94	SC-0157-2118	Screw (9/64" n=40)	1
95	05-006A-1370	Presser bar lifter lever	1
96	SC-0120-2118	Screw (9/64" n=40)	1
97	05-007A-1600	Cam shaft for 95	1
98	SW-0121-1011	Washer (φ 6.5×t0.5)	1
99	05-008R-1600	Oil seal for 97	1
100	05-009A-1600	Knee lifter plate	1
101-1	06-001A-235A	Feed cam "B"	1
102-1	06-002A-235A	Feed locker shaft connecting rod	1
102-2		Cover for 102-1	1
102-3	06-001S-2350	Set screw for 102-2	1
103-1	06-054A-1230	Crank rod complete	1
103-2		Cover for 103-1	1
104	06-003A-2350	Feed regulation rink	1
105	SP-0103-9111	Pin (φ 7×L22.5)	1
106	06-005A-2350	Feed concting rink (A)	2
107	06-006A-2350	Feed concting rink (B)	2
108	06-007P-2350	Hinge pin (A) for 104	1
109	SC-0317-4517	Screw (15/64" n=28)	7
110	06-008P-2350	Hinge pin (B) for 104	1
111	SP-0105-9111	Pin (φ 7×L14.6)	1
112	SP-0106-9111	Pin (φ 7×L10.6)	1
113	06-011A-2350	Crank (Rear) for 115	1
114	SC-0177-4118	Screw (3/16" n=28)	4
115	06-016A-2350	Feed locker shaft	1
116	06-009A-8130	Rear bushing for 115	2
117	06-008A-8130	Front bushing for 115	2
118	SU-0119-1113	Rubber cap (φ 12.5)	2
119	06-008A-2350	Feed locker	1
120	06-014A-2350	Feed bar shaft	1
121	SW-0107-9011	Washer (φ 6.1×t1.0)	1
122	SC-0122-4522	Screw (15/64" n=28)	1
123	06-015A-2350	Feed bar	1
124	06-007A-123A	Feed dog	1
125	SC-0130-4122	Screw (1/8" n=44)	2
126	06-017A-1230	Sliding block for 127	1

Ref. No.	PART NO.	PART NAME.	Amt. Req.
127	06-217A-1230	Block for 123	1
128	SC-0173-4118	Screw (3/16" n=32)	1
129	06-028A-2350	Crank (Front) for 130	1
130	06-016A-2350	Feed lifting shaft	1
131	06-008A-8130	Frant bushing for 130	1
132	06-038A-235A	Rear crank for 130	1
133	SP-0110-1111	Pin (φ 9.52×L22.9)	1
134	06-018A-2350	Shaft for 136	1
135	SO-0107-8011	O-ring (P16)	1
136	06-019A-1370	Feed regulating	1
137-1	06-020A-2350	Collar for 134	1
138	06-021A-2350	Feed adjusting shaft	1
139	06-022A-2500	Feed regulating rod	1
140	SR-0109-1013	E-ring (φ 5)	6
141	SP-0107-9111	Pin (φ 7×L16.8)	1
142	06-032A-2350	Shaft for 146	1
143	SC-0185-4124	Screw (3/16" n=32)	1
144	SW-0139-1014	Washer (φ 13×t0.4)	1
145	SO-0103-1011	O-ring (P8)	1
146	06-036C-2500	Reverse feed control lever	1
147	SC-0186-4118	Screw (3/16" n=28)	1
148-1	06-026A-250A	Feed regulator arm	1
148-2		Pin for 148-3	1
148-3	06-048A-1230	Roller for 148-1	1
149	SC-0184-4118	Screw (3/16" n=28)	1
150	SC-0174-4122	Screw (11/64" n=40)	1
151	06-025C-1230	Upper spring holder for 153	1
152	SC-0177-4118	Screw (3/16" n=28)	1
153	06-056G-2350	Spring for 146	1
154	06-040S-1600	Adjusting screw for 153	1
155	SN-0101-4000	Nut (11/64" n=40)	2
156	06-037A-2350	Shaft for 158	1
157	SO-0102-1011	O-ring (P10A)	1
158	06-038C-235A	Feed regulating dial	1
159		Dial plate	1
160	SC-0193-4122	Screw (3/16" n=28)	1
161	SP-0108-1411	Pin (φ 3.5×L14.87)	1
162	06-027G-1230	Spring for 161	1
163	07-003A-1230	Lower shaft	1
164-1	02-214A-1230	Lower shaft rear gear	1
165	07-010A-1230	Lower shaft rear bushing	1
166	07-003A-1600	Lower shaft center bushing	1
167	07-004A-1600	Lower shaft front bushing	1
168	07-002A-1230	Oil deflector for 167	1
169	SC-0104-4517	Screw (11/64" n=40)	2
170	SF-0105-8011	Felt (3×20)	1
171	07-004S-1230	Set screw for 170	1
172-1	07-007A-123A	Rotary hook	1
172-2		Set screw (A) for 172-1	2
172-3		Set screw (B) for 172-1	1
173	07-006A-123A	Bobbin case assembly	1Set
174	07-008A-1230	Bobbin	1
175	07-013A-1230	Hook retainer	1
176	SC-0174-4122	Screw (11/64" n=40)	1
177	SW-0143-1015	Washer (φ 5)	1
178	SC-0361-4122	Screw (3/16" n=32)	1
179	07-015G-1230	Spring for 178	1
180-1	08-002A-123A	Thread take-up lever	1
180-2		Crank for 74	1

Ref. No.	PART NO.	PART NAME.	Amt. Req.
180-3		Crank for 180-1	1
180-4		Needle bearing	2
180-5		Left-handed screw for 180-2	1
180-6		Crank rod for 74	1
180-7		Holder for 74	1
180-8	08-107S-1230	Set screw for 180-7	1
180-9		Thread hold bushing for 180-1	1
180-10		Hinge pin for 180-1	1
181	40-104A-2350	Tension complete	1Set
181-1	40-104A-1230	Tension barrel	1
181-2	40-404A-1230	Tension stud	1
181-3	40-204A-1230	Tension disk	2
181-4	40-304A-1230	Tension release washer	1
181-5	40-333G-123A	Spring (B) for 181	1
181-6	SW-0135-9013	Washer (φ 6.7×t1)	1
181-7	40-704C-1230	Nut for 181	1
181-8	40-111G-1230	Check spring	1
181-9	SP-0113-6111	Pin (φ 2×L26.9)	1
181-10	SC-0114-4515	Screw (15/64" n=28)	2
182	SU-0121-1112	Rubber cap (φ 11.2)	1
182-1	40-001A-1230	Supplementary tension	1Set
183	SP-0140-1211	Pin (φ 5×L37)	1
184-1	40-001A-2350	Thread tension release plate	1
184-2		Bushing for 184-1	1
185	SR-0115-1013	E-ring (φ 8)	1
186	40-002C-1600	Stopper for 184-1	1
187	SC-0120-2118	Screw (9/64" n=40)	1
188	SW-0117-1011	Washer (φ 4.5×t0.8)	1
189	40-003G-2350	Spring for 184-1	1
190	40-004A-2350	Shaft for 184-1	1
191	SW-0121-1011	Washer (φ 6.5×t0.5)	1
192	SC-0104-4517	Screw (11/64" n=40)	1
193	41-001A-1230	Bobbin winder assembly	1Set
194	91-007A-2302	Thread stand assembly	1Set
195-1	43-001A-1600	Knee lifter pad assembly	1
195-2	43-102C-1600	Knee lifter pad insert plate	1
195-3	43-103C-1600	Holder for 195-2	1
195-4	43-104C-1600	Hinge screw for 195-1	1
195-5	43-105G-1600	Tension spring for 195-1	1
195-6	43-106C-1600	Knee lifter shaft	1
195-7	SC-0107-4111	Screw (M6×1.0)	1
196-1	43-007A-1600	Knee lifting controller	1
196-2	SC-0184-4118	Screw (3/16" n=28)	2
196-3	SN-0119-4000	Nut (3/16" n=28)	2
196-4	SC-0106-4111	Screw (15/64" n=28)	1
196-5	43-008G-1600	Spring for 196-1	1
196-6	43-108C-1600	Shaft for 196-1	1
196-7	SR-0114-1013	E-ring (φ 9)	1
196-8	43-110C-1600	Connection joint for 195-6	1
196-9	SC-0107-4111	Screw (M6×1.0)	1
197	43-010A-1600	Knee lifting rod support cap	1
198	43-001C-2350	Knee lifting rod	1
199	43-012A-2350	Knee lifting link	1
200	SC-0468-4127	Pivot screw (3/16" n=32)	1
201	SN-0115-4000	Nut (3/16" n=32)	1
202	SC-0457-4135	Pivot screw (M10×1.5)	1
203	43-001C-2350	Packing for 202	1
204	43-002G-2350	Connecting rod for 95	1
205	43-016S-1230	Hinge screw for 204	1

Ref. No.	PART NO.	PART NAME.	Amt. Req.
206-1	44-001A-1600	Oil pan	1
206-2	44-003M-1230	Gasket for 206-1	1
206-3	SC-0347-4122	Screw (M8×1.25)	1
206-4	44-005R-1230	O-ring for 206-3	1
207	44-150A-23		