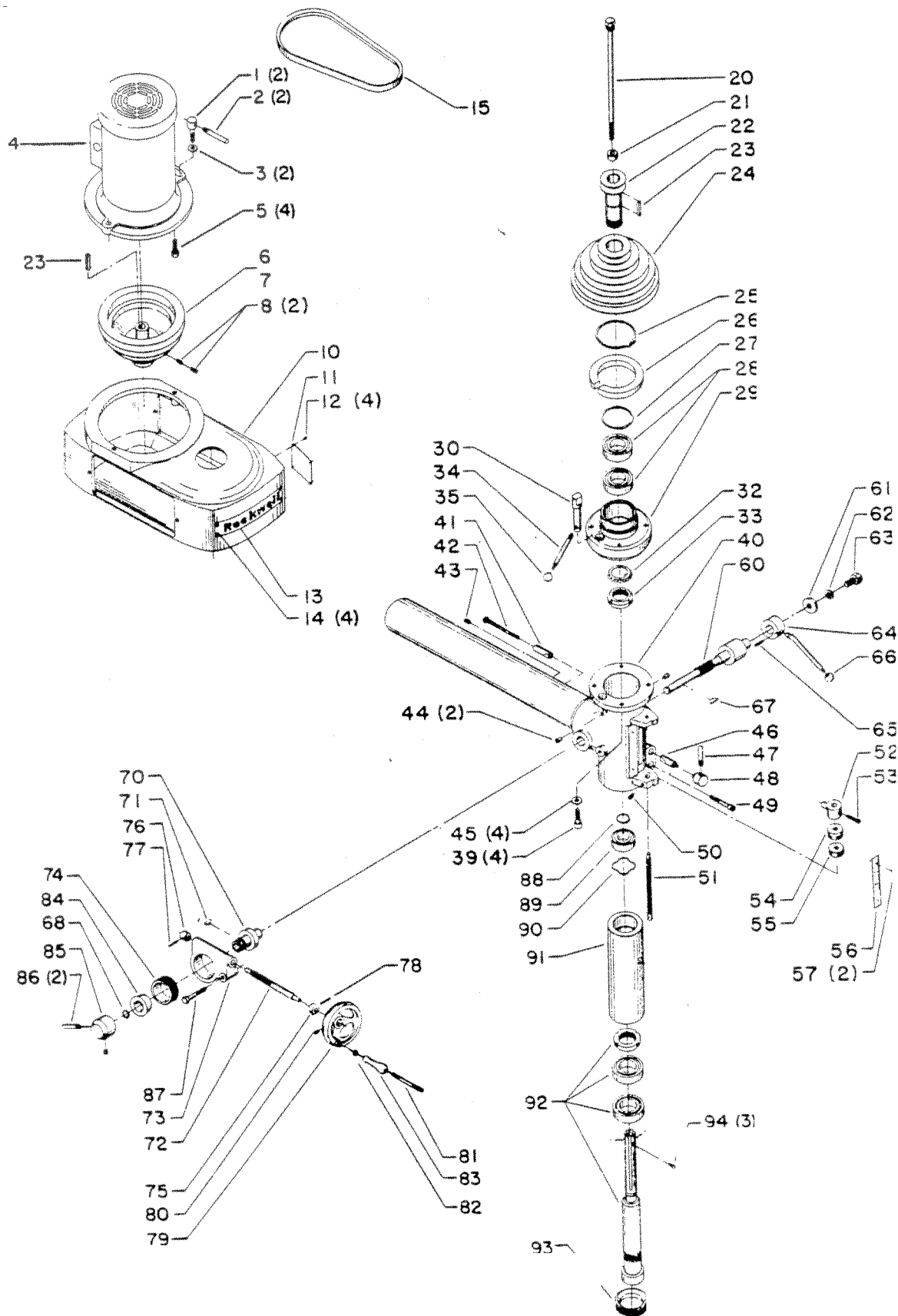


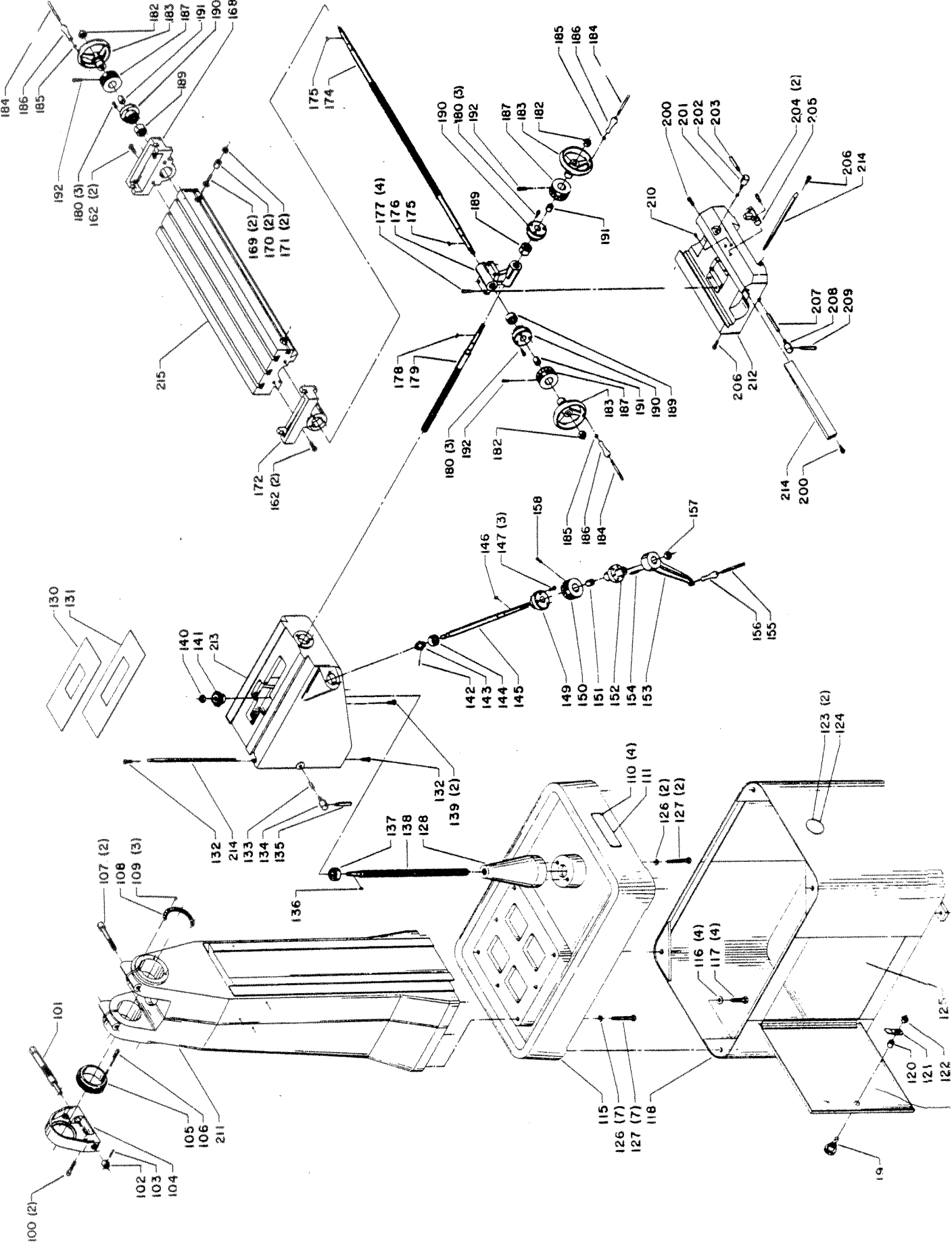


VERTICAL MILLING MACHINE



Replacement Parts

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	450-01-112-5005	Motor Clamping Scr.	52	450-01-407-5001	Depth Indicator Block
2	450-01-108-5002	Lever for Motor Clamping Scr.	53	901-03-010-0755	1/4-20 X 3/4" Soc. Hd. Cap Scr.
	904-01-031-5737	13/32 X 3/4 X 1/8" Flat Washer	54	902-08-061-5461	Depth Stop
4	450-01-372-0001	Motor Mounting Plate (Early Model)	55	902-08-061-5466	Depth Stop Locknut
5	901-01-060-0650	3/8-16 X 7/8" Hex Hd. Cap Scr. (Early Model)	56	951-02-011-8258	Depth Scale
			57	901-06-110-3031	#4 X 3/16" Rd. Hd. Scr.
6	41-893	Motor Pulley, 5/8" Bore, Incl:	60	450-01-106-5006	Quill Hand Feed Pinion
8	901-04-150-6202	5/16-18 X 3/8" Hex Soc. Set Scr.	61	904-01-031-7717	21/64 X 1-1/16 X 3/32" Special Flat Washer
7	41-894	Motor Pulley 3/4" Bore, Incl:			
8	— 901-04-150-6202	5/16-18 X 3/8" Hex Soc. Set Scr.	62	904-02-010-1703	5/16" Lockwasher
10	450-01-054-0002	Belt Guard	63	901-01-060-0606	5/16-18 X 5/8" Hex Hd. Cap Scr.
11	960-04-011-8336	Speed Chart	64	450-01-408-5001	Quill Hand Feed Lever, Incl:
12	901-06-450-2250	#4 X 3/16" Drive Scr.	65	905-01-010-2718	3/16 X 3/4" Roll Pin
13	Nameplate	By Request Only	66	931-01-021-6390	1" Dia. Black Knob 1/4"-20
14	901-06-450-2250	#4 X 3/16" Drive Scr.	67	927-01-100-2606	#504 Hi Pro Key
15	49-272	V-Belt	68	904-15-011-7129	Retaining Ring
20	450-01-304-5001	Draw Bar	70	450-01-107-5005	Feed Clutch Hub
21	450-01-104-5003	Draw Bar Spacer	71	927-01-100-2606	#504 Hi-Pro Key
22	450-01-107-5001	Hub for Spindle Pulley	*	450-01-312-5001	Body Ass'y., Incl;
23	927-03-021-8004	3/16 X 3/16 X 1-1/8" Key	72	1085268	Shaft
24	926-06-041-8716	Spindle Pulley	73	450-01-312-0001	Feed Housing
	450-01-357-5001	Pulley Bearing Retainer Ass'y., Const. Of:	74	450-01-051-5001	Gear
			75	904-10-031-4536	Collar
25	904-15-011-7127	Retaining Ring	76	904-10-071-5976	Collar
26	450-01-015-5001	Brake Shoe	77	905-01-010-2704	1/8 X 3/4" Roll Pin
27	904-15-101-7128	Retaining Ring	78	905-01-010-2711	1/8 X 5/8" Roll Pin
28	920-04-102-0953	Bearing Set (Duplexed)	79	1086490	Handwheel, Incl:
29	450-01-079-5001	Pulley Bearing Retainer	80	901-04-150-6202	5/16-18 X 3/8" Soc. Set Scr.
30	450-01-106-5001	Shaft for Spindle Lock & Brake	81	905-07-011-3111	Pin
32	904-04-010-7225	Bearing Lockwasher	82	928-06-011-7701	Washer
33	902-07-010-7180	Bearing Locknut	83	931-01-060-3624	Handle
34	450-01-106-5005	Lever for Spindle Lock & Brake	84	450-01-028-5001	Cone
35	931-01-021-6390	1" Dia. Black Knob 1/4-20	85	450-01-107-5004	Lock
39	901-03-010-0750	5/16-18 X 1" Soc. Hd. Cap Scr.	86	450-01-108-5003	Handle
40	450-01-357-0001	Head	87	901-01-060-0613	5/16-18 X 1-3/4" Hex Hd. Scr.
41	450-01-105-5003	Sleeve for Quill Lock-Inner	*	450-01-377-5001	Quill Ass'y., Const. Of:
42	901-01-060-5483	1/4-20 X 3" Hex Hd. Cap Scr.	88	904-15-010-7424	Retaining Ring
43	901-04-150-6202	5/16-18 X 3/8" Hex Soc. Set Scr.	89	920-04-021-6578	Upper Spindle Bearing
44	907-00-000-5118	5/16" Ball Oiler	90	928-06-021-8852	Preload Spring
45	904-01-031-2945	5/16 X 5/8 X 1/16" Flat Washer	91	450-01-377-0001	Quill
46	450-01-105-5004	Sleeve for Quill Lock-Outer	92	450-01-385-5002	Spindle w/Bearing & Locknut
47	450-01-108-5003	Handle for Quill Locking Lever	93	450-01-079-5004	Bearing Retainer
48	450-01-108-5004	Quill Locking Lever	94	422-02-016-0001	Bumper
49	901-03-010-3371	5/16-18 X 1-3/4" Soc. Hd. Cap Scr.			
50	901-04-150-6215	1/4-20 X 3/8" Hex Soc. Set Scr.	*	NOT SHOWN ASSEMBLED	
51	450-01-112-5004	Screw for Depth Stop			



Replacement Parts

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
100	901-03-010-0799	3/8-16 X 1-1/2" Soc. Hd. Cap Scr.	153	450-01-333-5001	Table Raising Crank, Incl:
*	450-01-379-0001	Gear Housing Ass'y., Const. Of:	154	905-04-101-3132	1/4 X 13/16" Knurled Nut
101	450-01-106-5003	Head Tilting Scr.	155	905-07-011-3111	Pin
102	450-01-103-5001	Collar for Head Tilting Scr.	156	931-01-060-3624	Handle
103	905-01-010-2733	5/32 X 7/8" Roll Pin	157	902-01-010-1208	1/2"-20 Hex Nut
104	450-01-079-5003	Gear Housing	158	901-03-010-0755	1/4"-20 X 3/4" Soc. Hd. Scr.
105	450-01-051-5002	Worm Gear for Head Tilting Scr.	162	901-03-040-8086	3/8-16 X 7/8" Button Hd. Soc. Scr.
106	927-03-021-8005	1/4 X 1/4 X 1-1/16" Key	168	450-01-314-0001	End Bracket
107	901-03-010-0794	1/2-13 X 2-3/4" Soc. Hd. Cap Scr.	169	901-11-010-2365	5/16-18 X 1-1/4" Sq. Hd. Bolt
108	951-02-011-8259	Head Tilting Scale	170	450-01-088-5002	Table Stop Barrel
109	901-06-450-2250	#4 X 3/16" Drive Scr.	171	902-01-040-1030	5/16"-18 Hex Nut
110	901-06-450-2250	#4 X 3/16" Drive Scr.	172	450-01-314-0001	End Bracket
111	Nameplate	By Request Only	174	450-01-112-5003	Table Screw
115	450-01-305-0005	Base	175	927-01-010-2607	#404 Woodruff Key
116	904-10-031-2097	29/64 X 1 X 1/8" Washer	176	450-01-012-5002	Feed Nut Body
117	901-01-060-3080	7/16-14 X 1-1/2" Hex Hd. Cap Scr.	177	901-03-010-0755	1/4-20 X 3/4" Soc. Hd. Scr.
118	450-01-318-5001	Cabinet, Incl:	178	927-01-010-2607	#404 Woodruff Key
119	931-02-121-6392	Latch Knob	179	450-01-112-5001	Cross Feed Scr.
120	450-01-104-5002	Latch Sleeve	180	901-02-050-0715	1/4-20 X 1/2" Fil. Hd. Scr.
121	450-01-068-5002	Latch	182	902-01-010-1208	1/2-20 Hex Nut
122	902-01-020-1227	1/2"-20 Hex Jam Nut	183	930-01-991-9029	Longitudinal Feed Handwheel
123	901-06-450-2250	#4 X 3/16" Drive Scr.	184	905-07-011-3111	Pin
124	Nameplate	By Request Only	185	928-06-011-7701	Fiber Washer
125	450-01-415-0001	Shelf	186	931-01-060-3624	Handle
126	904-02-020-1704	3/8" Lockwasher	187	450-01-337-0001	Micrometer Collar (200)
127	901-01-061-9849	3/8-16 X 2-1/2" Hex Hd. Cap Scr.	*	450-01-379-5001	Bearing Holder w/Bearing, Const.
128	450-01-005-5004	Elevating Scr. Housing	109	920-04-010-7273	Bearing
130	450-01-084-5001	Shield	190	450-01-079-5002	Bearing Holder
131	450-01-084-5002	Shield	191	450-01-104-5001	Bearing Spacer
132	901-03-042-0801	5/16-18 X 7/8" Button Hd. Cap Scr.	192	901-03-010-0755	1/4-20 X 3/4" Soc. Hd. Scr.
134	450-01-068-5001	Knee Clamp	200	901-03-042-0801	5/16-18 X 7/8" Button Hd. Soc. Scr.
135	450-01-108-5002	Handle for Knee Clamp	201	450-01-074-0001	Thread Seat
136	927-01-010-2607	#404 Woodruff Key	202	450-01-068-5001	Table Clamp
137	920-05-011-6621	Bearing	203	450-01-108-5002	Handle for Table Clamp
138	450-01-112-5002	Elevating Scr.	204	901-03-010-0762	5/16-18 X 5/8" Soc. Hd. Cap Scr.
139	901-03-040-8086	3/8-16 X 7/8" Button Hd. Cap Scr.	205	450-01-388-0002	Table Stop
140	902-01-010-1232	7/16"-20 Hex Nut	206	901-03-042-0801	5/16-18 X 7/8" Button Hd. Soc. Scr.
141	450-01-051-5003	Bevel Gear	207	450-01-074-0003	Thread Seat
142	905-01-010-2704	1/8 X 3/4" Roll Pin	208	450-01-068-5001	Saddle Clamp
143	450-01-051-5004	Bevel Gear	209	450-01-108-5002	Handle for Saddle Clamp
144	920-04-010-7273	Bearing	210	907-00-000-5233	5/16" Ball Oiler
145	450-01-106-5004	Shaft for Table Raising Crank	211	See A	Column
146	927-01-010-2607	#404 Woodruff Key	212	See A	Saddle
147	901-02-050-0715	1/4-20 X 1/2" Fil. Hd. Scr.	213	See A	Knee
149	450-01-379-5001	Bearing Holder w/Bearing	214	See A	Gib
150	450-01-037-5001	Micrometer Collar (100)	215	See A	Table
151	450-01-104-5001	Bearing Spacer			
152	450-01-105-5001	Gear Shaft Clutch Sleeve	*	NOT SHOWN ASSEMBLED	

SERVICE NOTES: A Precision tapered gibs are hand fitted and ground after assembly.
If replacement or repair of these parts is necessary, please contact

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