



Rockwell

MANUFACTURING COMPANY

The Rockwell Building • Pittsburgh, Pa.

422-06-651-5001

DATED IM-10-1-65

PM-1713

12" TILTING ARBOR SAW

I INSTALLATION

- A. PROTECTIVE COATING should be removed from all machined surfaces using kerosene or similar solvent.
- B. TABLE EXTENSION is attached using hex head cap screws, ($\frac{1}{2}$ " - 20 x $1\frac{3}{4}$ "), lockwashers and nuts. Set extension flush with table and tighten the two center nuts first. If either end is not flush, tighten nut slightly and tap extension up or down with mallet and tighten nut.
- C. GUIDE RAILS are attached using fillister head screws ($\frac{7}{16}$ " - 14 x $1\frac{27}{32}$ "), washers and nuts, with saddle blocks (146) placed between rail and table.
- D. GUARD AND SPLITTER (See PM-1821) are attached by inserting support rod through hole in rear trunnion; screw on lock nut ($\frac{5}{8}$ " - 18). Attach the splitter bracket using cap screws ($\frac{5}{16}$ " - 18 x 3 and $\frac{5}{16}$ " - 18 x $1\frac{1}{4}$ ") and washers.
- E. MOTOR may be installed with machine in position as shown in Fig. 2.
 1. Remove motor cover.
 2. Place motor pulley on shaft but do not tighten set screw.
 3. Bolt motor to plate using cap screws ($\frac{3}{8}$ " - 16 x 2) washers and nuts. Align motor parallel to saw arbor and align pulleys with straight edge. Move motor to put tension on belts and tighten motor pulley set screw and motor bolts.
 4. Place machine in upright position and connect starter to power source.
 5. Place rip fence on rails.

II ADJUSTMENTS

- A. CROSS CUTTING can only be accomplished accurately if the travel of the stock is parallel to the blade. If blade heels, the table must be adjusted.
 1. Loosen four bolts holding table to cabinet.
 2. Shift table to right or left at front or rear (this will align miter gage slots parallel to blade) and tighten bolts.



Fig. 1.

- B. RIP FENCE must also be parallel to blade. If work is crowded at rear of cut or if it moves away from the fence:
 1. Loosen two cap nuts on top of fence at front. Move rear of fence the required amount and tighten cap nuts.
 2. Rip piece of stock and measure. Check pointer, and if dimension on front guide rail does not coincide, loosen screw and reset pointer.
 3. If rear fence lock is not holding securely, loosen front lock and turn adjusting screw (140) Fig. 4, to the right.
- C. SQUARE AND BEVEL (45°) cuts are assured by positive stops which stop the blade and entire assembly at 45° or 90° . These stops are in the form of cap screws and lock nuts. If blade does not stop in these positions:
 1. Loosen locknut (52) and turn stop screw in or out required amount and tighten nut. The stop screw for the 45° position is accessible through the semicircular slot in the front of the cabinet. The stop screw for the 90° position is accessible through the cleanout door or by removing the motor cover after the arbor is tilted.
- D. MITER GAGE FIG. 4 pivots on a tapered screw (95). As wear occurs, loosen set screw (112) and tighten pivot screw. Retighten set screw.



Fig. 2.

1. Check miter gage with an accurate square and adjust pointer if necessary.
2. When miter gage head is swiveled for angular cuts, it can be returned to the 90° position without rechecking with a square.
3. The positive stops at this position and also at 45° right and left can be adjusted to stop the head at these positions. Loosen set screw (110) and turn adjusting screw in or out required amount and retighten set screw.

III MAINTENANCE

A. LUBRICATION

1. Arbor bearings are lubricated and sealed for their entire lifetime.
2. Place a small amount of powdered graphite on the raising and tilting worms, and the sliding ways of the trunnions.

B. MOTOR (Delta) is guaranteed by motor manufacturer whose name appears on the motor nameplate. For repairs, consult authorized motor service station representing motor manufacturer.

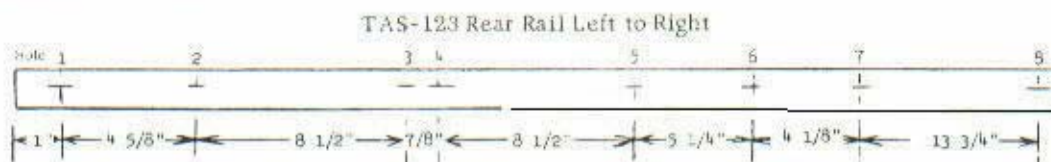
C. ARBOR and bearings can be replaced. Use extra spanner wrench provided for removing bearing closure nut. Always replace both bearings and CAREFULLY press them on arbor or in housing so as not to rupture the seal.

D. REPLACEMENT parts may be obtained from your Delta dealer. Always furnish part number, description, model number and serial number of machine.

E. INSERT must be flush with table. It contains four screws which can be turned in or out if adjustment is necessary.

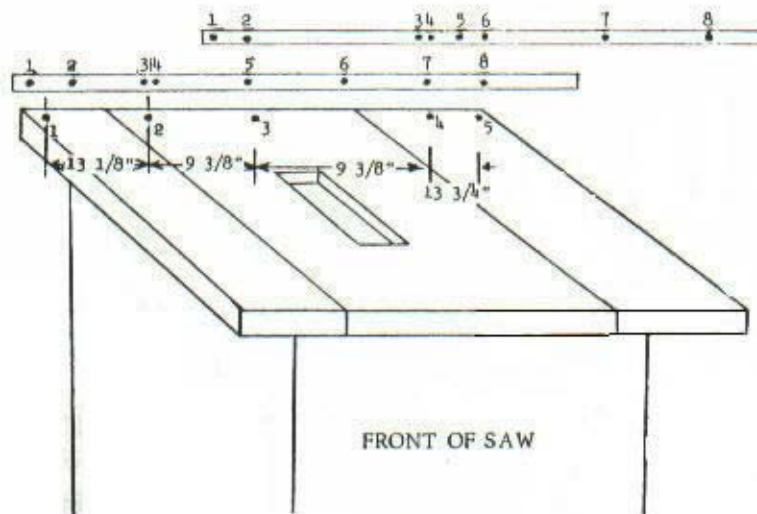
F. ARBOR extensions are screwed into main arbor. To remove:

1. Place spanner end of arbor nut wrench in holes in arbor flange. Insert large hex wrench in hex hole in arbor extension and pull toward front of saw or in rotation of saw blade. When replacing arbor extensions, make sure taper is clean.



When mounting rail in first position, place studs in holes 1, 3, 5, 7, 8 in rail and in holes 1, 2, 3, 4, 5 in table.

When mounting rail to right for 50" rip capacity place studs in holes 2, 4, 6 in rail and holes 3, 4, 5 in table.



USE THIS ILLUSTRATION TO MOUNT THE RAILS CORRECTLY FOR REGULAR POSITION, OR FOR 50" RIPPING CAPACITY.

NOTE: 5 holes in table
8 holes in rail

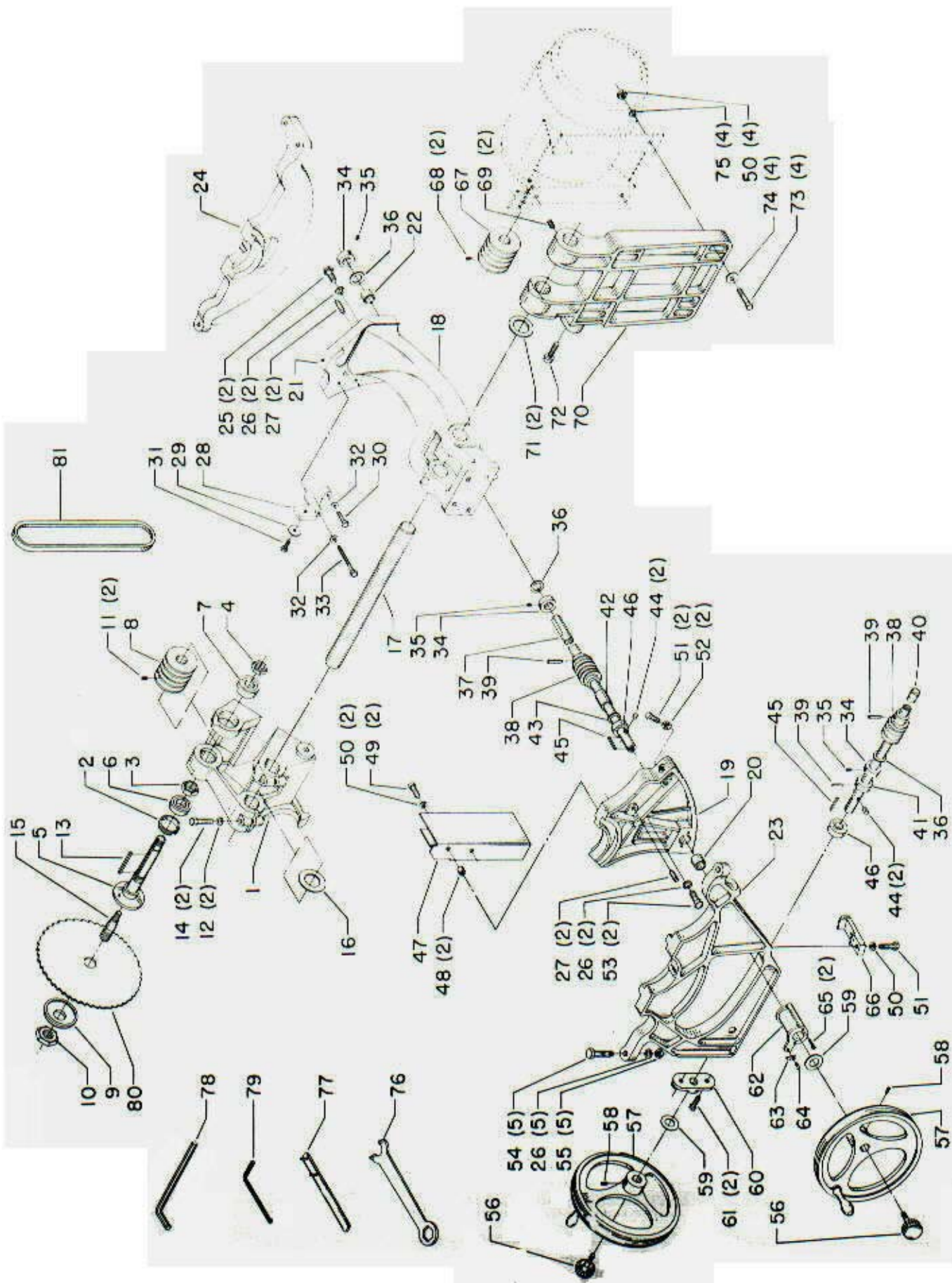


Fig. 3.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
••	TAS-1-S	Arbor Bracket, Incl:	42	TAS-71	Spacing Sleeve
1	TAS-1	Arbor Bracket	43	TAS-74	Spec. Washer
••	TAS-55-R	Arbor, Incl:	44	TAS-195	Lock Plug
2	BS-223	Spanner Nut	45	SP-2650	3/16 x 3/16 x 1 3/8" Key
3	CBS-116	Bearing Lock Nut	46	SP-5328	Bearing
4	LBS-86	Bearing Lock Nut	47	TAS-72	Dust Deflector
5	TAS-55-A	Arbor	48	TAS-73	Spacer
6	SP-5334	Bearing	49	SP-706	3/8-16 x 1 1/4" Fill, Hd, Mach, Scr.
7	SP-5345	Bearing	50	SP-1704	3/8" Lockwasher
8	TAS-59	Arbor Pulley	51	SP-673	3/8-24 x 1 1/4" Hex, Hd, Cap Scr.
9	TAS-163	Saw Blade Flange	52	SP-1270	3/8"-24 Hex, Jam Nut
10	TAS-164	Arbor Nut	53	SP-616	1/2-13 x 1 1/2" Hex, Hd, Cap Scr.
11	SP-208	1/4-20 x 1/4" Soc, Hd, Set Scr.	54	SP-3117	1/2-13 x 2" Hex, Hd, Cap Scr.
12	SP-1716	7/16" Lockwasher	55	SP-1282	1/2"-13 Hex, Nut
13	SP-2659	1/4 x 1/4 x 2 1/2" Key	56	LTA-561-S	Lock Stud with Hand Knob
14	SP-3107	7/16-14 x 2" Hex, Hd, Cap Scr.	57	TAS-12-S	Handwheel, Incl:
15	TAS-162	Arbor Extension	58	SP-207	5/16-18 x 1 1/2" Soc, Hd, Set Scr.
16	TAS-61	Spec. Fiber Washer	59	TAS-66	Spec. Fiber Washer
17	TAS-63	Pivot Shaft	60	TAS-19	Cover Plate
18	TAS-2	Trunnion Yoke	61	SP-705	3/8-16 x 1" Fill, Hd, Mach, Scr.
19	TAS-3-SR	Front Trunnion, Incl:	62	TAS-18	Flanged Spacing Sleeve
20	TAS-76	Bushing	63	TAS-80	Pointer
21	TAS-4-SR	Rear Trunnion, Incl:	64	SP-520	5/16-18 x 3/8" Rd, Hd, Mach, Scr.
22	TAS-77	Bushing	65	SP-700	#10-32 x 1 1/2" Fill, Hd, Mach, Scr.
23	TAS-5	Trunnion Bracket	66	TAS-23	Guide Block
24	TAS-6	Rear Trunnion Bracket	67	Cat. #41-746	3 1/4" Dia, Motor Pulley (1" Bore), Incl:
25	SP-620	1/2-13 x 1 1/4" Hex, Hd, Cap Scr.	68	901-04-190-9415	1/4-20 x 1 1/4" Soc, Hd, Set Scr.
26	SP-1705	1/2" Lockwasher	67	Cat. #41-747	3 1/4" Dia, Motor Pulley (1 1/8" Bore), Incl:
27	SP-2728	3/8 x 1 1/4" Roll Pin	68	901-04-190-9415	1/4-20 x 1 1/4" Soc, Hd, Set Scr.
28	TAS-21	Splitter Mounting Bracket	69	SP-218	3/8-16 x 5/8" Soc, Hd, Set Scr.
29	TAS-140	Spec. Steel Washer	70	TAS-11	Motor Base
30	SP-602	5/16-18 x 1 1/4" Hex, Hd, Cap Scr.	71	TAS-64	Spring Washer
31	SP-607	5/16-18 x 3/4" Hex, Hd, Cap Scr.	72	SP-765	1/2-13 x 1 1/2" Soc, Hd, Cap Scr.
32	SP-1620	5/16" Steel Washer	73	SP-604	3/8-16 x 2 1/4" Hex, Hd, Cap Scr.
33	SP-3118	5/16-18 x 3" Hex, Hd, Cap Scr.	74	TAS-82	Spec. Steel Washer
34	TCS-249-S	Set Collar, Incl:	75	SP-1026	3/8"-16 Hex, Nut
35	SP-201	5/16-18 x 5/16" Soc, Hd, Set Scr.	76	TAS-78-S	Spanner Wrench
36	HDP-122	Spec. Fiber Washer	77	TAS-210-S	Spanner Wrench
37	TAS-67-S	Raising Mech. Shaft, Incl:	78	SP-11	7/16" Hex, Wrench
38	TAS-65	Worm	79	Cat. #194	5/32" Hex, Wrench
39	SP-5070	1/4 x 1 1/2" Roll Pin	• 80	Cat. #83-187	Saw Blade
40	TAS-70-S	Tilting Mech. Shaft, Incl:	• 81	Cat. #49-150	V-Belt (Set of 4 Matched Belts)
38	TAS-65	Worm	•		
39	SP-5070	1/4 x 1 1/2" Roll Pin	•		
41	TAS-68	Collar	•		

These parts are not included with basic machine, they must be purchased separately.
Not Shown

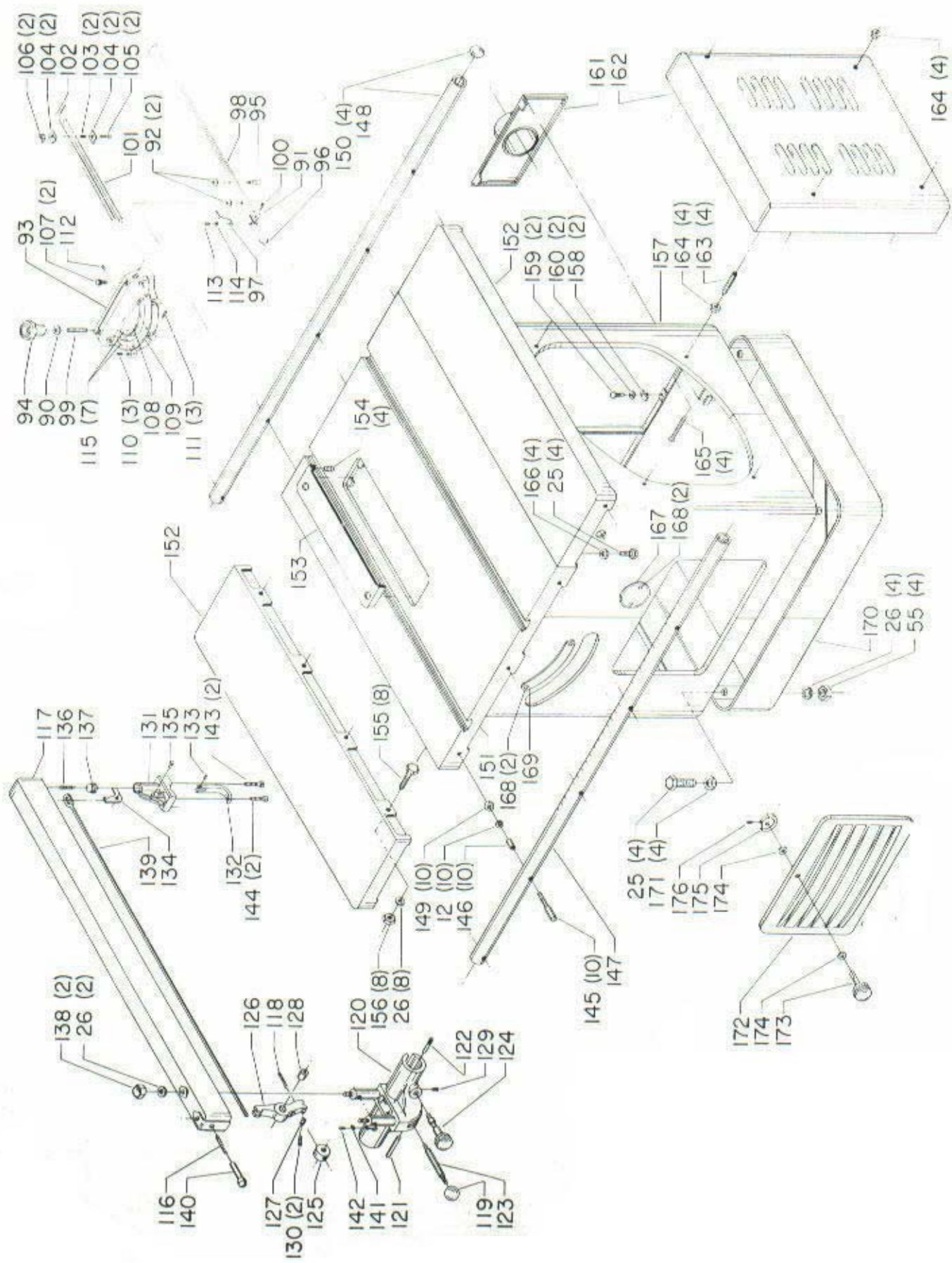


Fig. 4.

Replacement Parts (Fig. 4)

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
90	Cat. #34-925	Miter Gauge, Consisting of:	**	TAS-100-S	Rear Clamp Block, Incl.
91	BG-35	Fiber Washer	131	TAS-100	Rear Clamp Block
92	DSS-60	Equalizing Pin	132	TAS-101-S	Hook, Incl.
93	NCS-251	Shim Washer	133	SP-2701	.195 x 31/64" Roll Pin
94	TAS-13	Miter Gauge Body	134	TAS-102	Lever
95	TAS-22	Hand Knob	135	TAS-103	Pin
96	TAS-83	Spec. Pivot Scr.	136	TAS-104	Coil Spring
97	TAS-84	Stop Link	137	TAS-105	Spring Cap
98	TAS-85	Pointer	138	TAS-106	1/2"-13 Spec. Hex. Cap Nut
99	TAS-87	Bar	139	TAS-107	Rear Clamp Rod
100	TAS-89	Stud	140	TAS-173	Adj. Sleeve
101	TAS-91	Pin	141	TAS-185	Pointer
102	TAS-92-S	Adjustable Stop Rod, Incl.	142	SP-551	#10-32 x 1/4" Rd. Hd. Mach. Scr.
103	TAS-92	Straight Stop Rod	143	SP-727	1/4-20 x 1 1/2" Fill. Hd. Cap Scr.
104	TAS-93	Bent Stop Rod	144	SP-729	1/4-20 x 1 1/4" Fill. Hd. Mach. Scr.
105	TAS-94	Stop Rod Clamp, Incl.	26	SP-1705	1/2" Lockwasher
106	PF-48	Coil Spring	145	TAS-117	Spec. Fill. Hd. Scr.
107	SP-821	Clamp Plate	146	TAS-118	Saddle Block
108	SP-821	1/4-20 x 3/4" Carriage Bolt	147	TAS-122	Front Guide Rail
109	SP-1402	1/4"-20 Wing Nut	148	TAS-123	Rear Guide Rail
110	TAS-94	Knurled Scr.	149	SP-5437	7/16"-14 Hex. Nut
111	TAS-95	Name Plate	150	TAS-189	End Plug
112	TAS-183	Graduation Plate	151	TAS-7	Table
113	SP-153	#10-32 x 1/4" Hd'less Set Scr.	152	TAS-9-R	Table Extension
114	SP-158	#10-32 x 3/4" Hd'less Set Scr.	153	TAS-10	Table Insert
115	SP-159	1/4-28 x 5/8" Hd'less Set Scr.	154	SP-157	1/4-28 x 1/2" Hd'less Set Scr.
116	SP-561	#10-32 x 3/8" Rd. Hd. Mach. Scr.	155	SP-661	1/2-20 x 2" Hex. Hd. Cap Scr.
117	SP-1602	3/16" Washer	156	SP-1208	1/2"-20 Hex. Nut
118	SP-2252	#2 x 3/16" Drive Scr.	157	422-06-318-5001	Cabinet
119	TAS-14-S	Rip Fence, Incl.	158	TAS-54	Spring Clip
120	PF-41	Coil Spring	159	SP-629	5/16-18 x 3/8" Hex. Hd. Cap Scr.
121	TAS-14	Rip Fence Body	160	SP-1703	5/16" Lockwasher
122	TAS-15-S	Front Clamp Block, Incl.	161	TAS-42-S	Cover Plate
123	CG-17	Coil Spring	162	TAS-24	Motor Cover
124	COS-328	Handle Ball	163	TAS-25	Spacer
125	TAS-15-A	Front Clamp Block	164	SP-5435	5/16-18 Hex. Jam Nut
126	TAS-108	3/8 x 2 5/8" Steel Pin	165	SP-7761	5/16-18 x 4 3/4" Rd. Hd. Mach. Scr.
127	TAS-109	5/16 x 1 13/16" Steel Pin	166	DP-6	Spec. Washer
128	TAS-114	Stud	167	CBS-241	Name Plate
129	TAS-120-S	Pluton Shaft	168	SP-3000	#6-32 x 1/4" Self-Tapping Scr.
130	TAS-172	Cam	169	TAS-75	Tilting Angle Scale
131	TAS-174	Front Clamp Lever	170	TAS-39-S	Base
132	TAS-175	Cam Follower	171	SP-1636	1/2" Steel Washer
133	TAS-220	Rubber Bushing	172	TAS-45-A	Door with Bracket
134	SP-161	#10-32 x 3/8" Spec. Set Scr.	173	TAS-83-S	Hand Knob
135	SP-721	#10-32 x 1/2" Fill. Hd. Mach. Scr.	174	DSS-36	Fiber Washer
136	NOT SHOWN		175	LTA-484	Cam
137			176	SP-206	5/16-18 x 5/16" Soc. Hd. Set Scr.

ROCKWELL GUARANTEE

Rockwell is proud of the quality of the power tools which it sells. The component parts of our tools are inspected at various stages of production, and each finished tool is subjected to a final inspection before it is placed in its specially designed carton to await shipment. Because of our confidence in our engineered quality, we agree to repair or replace any part or parts of Rockwell Power Tools or Rockwell Power Tool Accessories which examination proves to be defective in workmanship or material. In order to take advantage of this guarantee, the complete Delta or other Rockwell Machinery part or accessory must be returned prepaid to the appropriate Factory, Rockwell Service Center, or Authorized Service Station for our examination. This guarantee, of course, does not include repair or replacement required because of misuse, abuse, or normal wear and tear. Repairs made by other than our Factory, Rockwell Service Center, or Authorized Service Station, relieves Rockwell of further liability under this guarantee. This guarantee is made expressly in place of all other guarantees expressed or implied with respect to fitness, merchantability, or quality.