

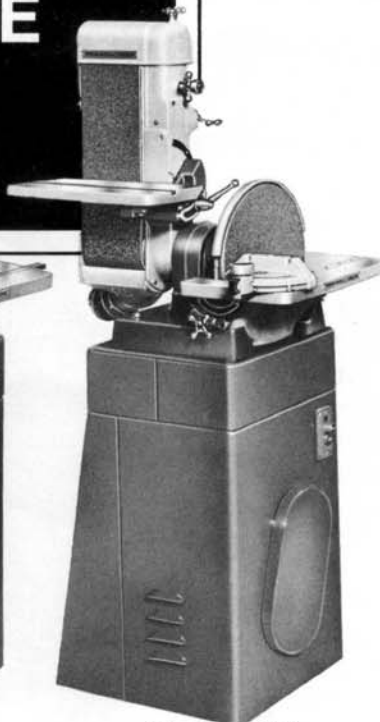
SAFETY SUGGESTIONS FOR ROCKWELL DELTA ABRASIVE FINISHING MACHINES



8½" Disc Sander



12" Abrasive Disc
Finishing Machine



6" Belt & 12"
Disc Finishing Machine



Sander/Grinder



6" Abrasive Belt
Finishing Machine

- 1.** READ the instruction manual before operating your machine.
- 2.** IF YOU ARE NOT thoroughly familiar with the operation of Finishing Machines, obtain advice from your supervisor, instructor or other qualified person.
- 3.** REMOVE tie, rings, watch and other jewelry, and roll up sleeves.
- 4.** ALWAYS wear safety glasses or a face shield.
- 5.** MAKE SURE wiring codes and recommended electrical connections are followed and that machine is properly grounded.
- 6.** MAKE all adjustments with the power off.
- 7.** MAKE SURE belt is tracking correctly.
- 8.** MAKE CERTAIN the disc or belt is not torn or loose.
- 9.** KEEP hands away from abrasive surfaces.
- 10.** ALWAYS use a backstop when using the belt finishing machine in a horizontal position.
- 11.** SAND with the grain of the wood.
- 12.** NEVER wear gloves or hold the work with a rag when sanding.
- 13.** ALWAYS sand on downward side of disc when using the disc finishing machine, so that the work is held securely on the table.
- 14.** SHUT OFF power and do not leave until the machine has come to a complete stop.
- 15.** BEFORE LEAVING the machine, make sure the work area is clean.
- 16.** DISCONNECT machine from power source when making repairs or adjustments.

INSTALLING ABRASIVE DISC TO DISC SANDER

We recommend the use of the Cat. No. 49-503 Disc Adhesive when applying the abrasive disc to the disc sander. This disc adhesive is a stick glue which melts under heat generated by friction, and then quickly hardens. It will not dry out or cake on the sanding disc. Abrasive sheets can be applied in a few seconds as follows:

1. The disc adhesive is applied by holding the stick of adhesive against the disc as it is turning, as shown in Fig. 2. The adhesive should be at least 1/16 of an inch thick on the disc.
2. Apply the adhesive also to the back of the abrasive disc by laying the disc on a flat surface and rubbing the adhesive onto the back of the disc.

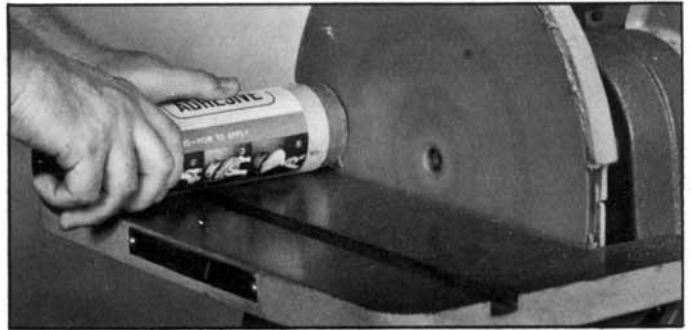


Fig. 2.

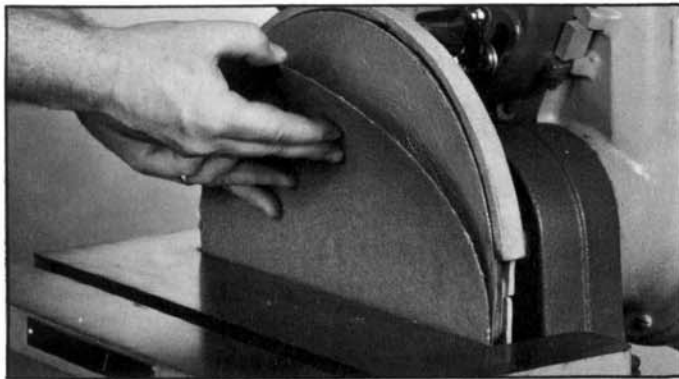


Fig. 3.

ADJUSTING UPPER HALF OF DISC SANDER GUARD AND DUST DEFLECTOR

The upper half of the disc sander guard and dust deflector should be adjusted so the top lip of the guard is as close as possible but does not extend beyond the face of the sanding disc and interfere with the workpiece.

1. To tilt the guard forward at the top, slightly loosen the four screws that attach the guard to the disc sander (two of the screws are shown at (A) Fig. 4).
2. Loosen screw (C) and tighten screw (B) Fig. 4, to adjust the guard to the desired forward position at the top. NOTE: The adjusting screws at the opposite end of the disc sander must also be adjusted.
3. To tilt the top of the guard to the rear, follow the same procedure as above, except loosen screw (B) and tighten screw (C) Fig. 4.

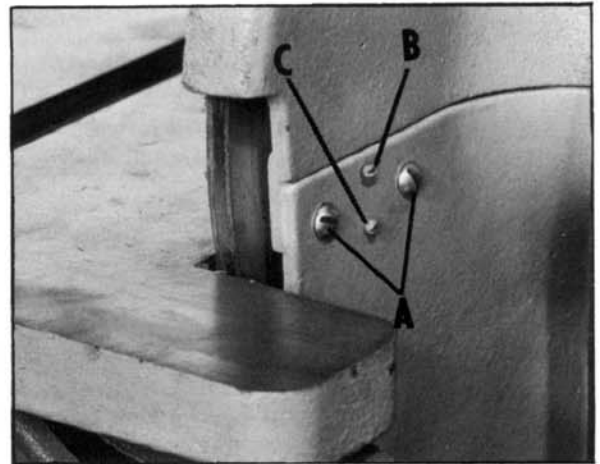


Fig. 4.

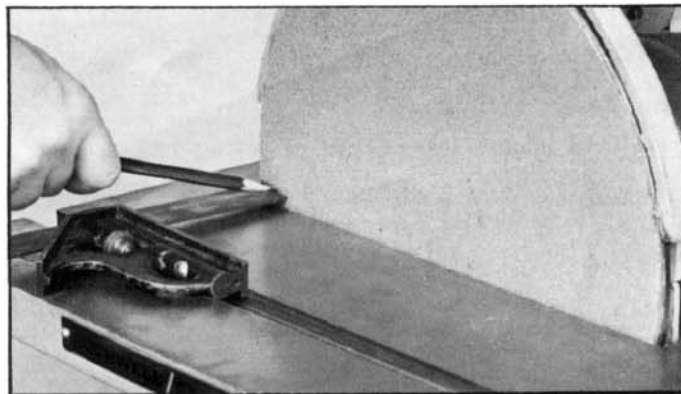


Fig. 5.

ADJUSTING MITER GAGE SLOT PARALLEL WITH DISC

This adjustment is made at the factory, however, during shipment it may have been disturbed. If an adjustment is necessary, proceed as follows:

1. Check to see if the miter gage slot is parallel with the sanding disc by placing a square in the miter gage slot with one end of the square against the sanding disc, as shown in Fig. 5.
2. Using a pencil, make a mark on the sanding disc where the square contacts the disc, as shown in Fig. 5.
3. Rotate the sanding disc to the other end of the table and check the distance with the miter gage.
4. If an adjustment is necessary, loosen the four screws that hold the table to the trunnions and adjust the table until the miter gage groove is parallel with the sanding disc. NOTE: When making this adjustment be sure the table locking handles are tightened.

ADJUSTING THE TABLE

The table is set at the factory so that the edge of the table is approximately 3/32" away from the disc. This is done to provide enough clearance for the table when it is tilted to 45 degrees. If it is ever necessary to move the table away from the disc, simply loosen the four screws that hold the table to the trunnions and move the table away from the disc. This adjustment will be very slight.

NOTE: After this adjustment is made, make sure the miter gage slot is parallel with the disc by following instructions listed under ADJUSTING MITER GAGE SLOT PARALLEL WITH DISC.

To adjust the table square with the sanding disc, proceed as follows:

1. Place an accurate square on the table with one end of the square against the disc.
2. Loosen table locking knobs which are located on each end of the table and move the table until it is at 90 degrees to the disc. Then tighten the table locking knobs.
3. Adjust the pointer so it points to the "O" mark on the scale.

ABRASIVE DISCS — THEIR SELECTION AND USE

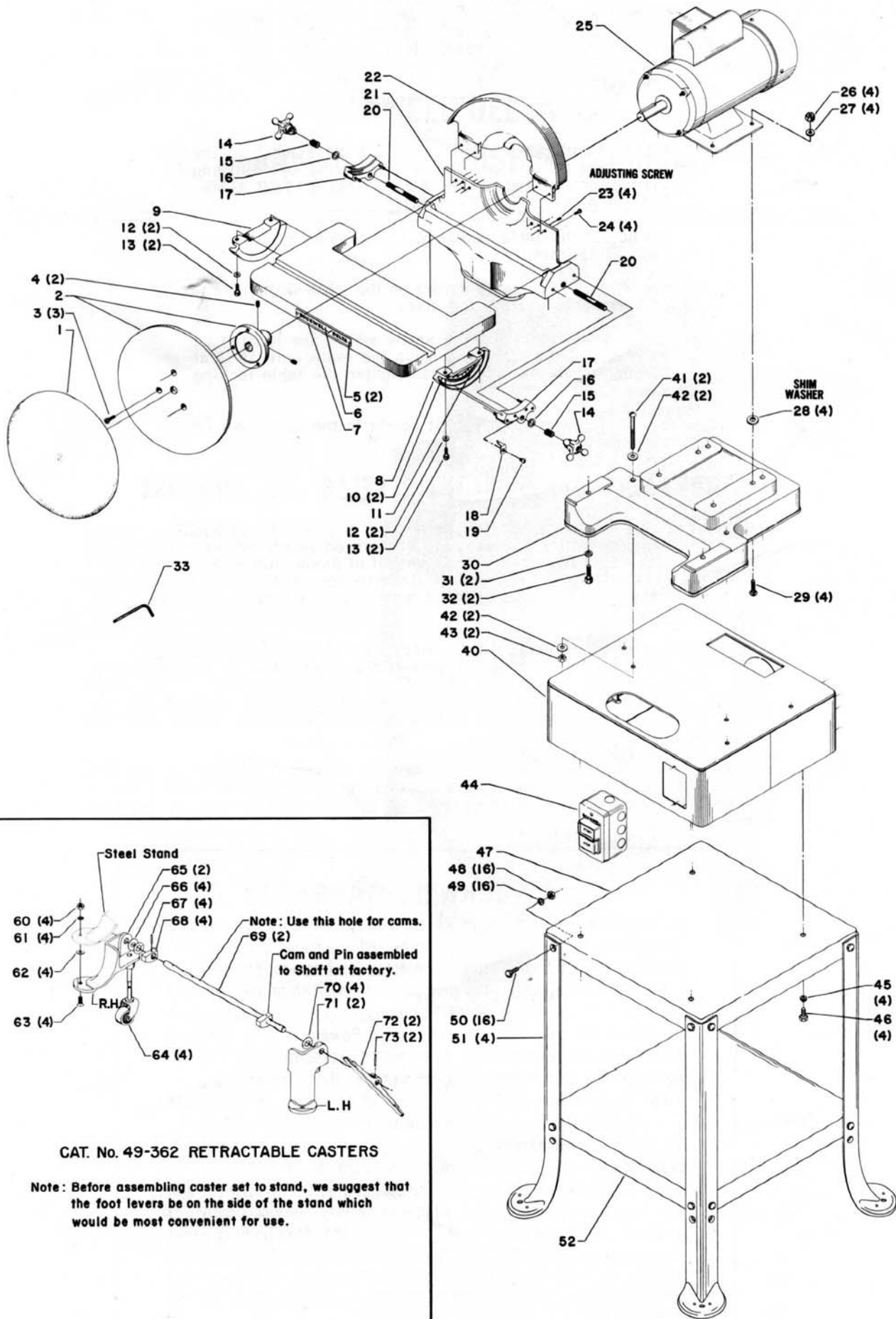
We supply a wide range of discs for use on your Disc Finishing Machine. These discs are recommended for a wide range of work on wood, metals, plastics and other materials. However, when a large amount of production work of one kind is to be done, it is best to call in a coated abrasive specialist for his specific disc recommendations. Certain jobs are best done with a silicon carbide, aluminum oxide, or garnet disc.

All materials may be worked on a dry disc. But for professional quality or for production work a low melting point grease should be used for cooler cutting, better finish, and for longer disc life. Even coarse discs will "load" when grinding aluminum dry, and so a lubricant should always be used for this material. To a varying degree, this is true of other non-ferrous metals like soft brass and zinc.

A grease stick is often applied to the disc to prevent "loading" of the disc on softer materials especially aluminum. When grinding steel or some kinds of plastic, the grease stick is often used to prevent over-heating of the work piece.

YOUR ROCKWELL WARRANTY

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, Rockwell agrees 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 portable power tool or accessory, or in the case of machinery, the part must be returned prepaid to the appropriate factory, Rockwell service center, or authorized service station for 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, 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 OR WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO QUALITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE.



Replacement Parts

Ref. No.	Part Number	Description	Ref. No.	Part Number	Description
1	Sanding Disc	Refer to Catalog	33	Cat. #194	5/32 Hex. Wrench
2	1085259	Disc Assembly, incl:	40	Cat. 31-123	Sub Base, incl:
3	SP-761	1/4-20 x 1/2 Hex. Soc. Flat Hd. Screw	41	SP-904	5/16-18 x 3 Rd. Hd. Stove Bolt
4	SP-201	5/16-18 x 5/16 Hex. Soc. Set Screw	42	SP-1605	3/8 x 7/8 x 1/16 Steel Washer
5	SP-2250	#4 x 3/16 Drive Screw	43	SP-1300	5/16-18 Hex. Nut
6	960-02-012-1420	Nameplate	44	Cat. #52-346	Single Phase Manual Push Button Switch
7	DS-2	Table	44	Cat. #52-347	Three Phase Manual Push Button Switch
8	DS-9-S	Trunnion Assembly, consisting of:	44	Cat. #52-348	Single Phase and Three Phase Push Button Magnetic Control Switch
9	DS-9	Trunnion			Open Steel Stand
10	SP-2252	#2 x 3/16 Drive Screw		Cat. #31-124	5/16 Lockwasher
11	DS-8	Scale	45	SP-1703	5/16-18 x 5/8 Hex. Hd. Cap Screw
12	SP-1603	1/4 x 9/16 x 3/64 Steel Washer	46	SP-606	Top Shelf
13	SP-612	1/4-20 x 5/8 Hex. Hd. Cap Screw	47	1086313	5/16-24 Hex. Nut
14	NCS-32	Star Wheel	48	SP-1206	5/16 Int. Tooth Lockwasher
15	NCS-33	Spring	49	SP-1750	5/16-24 Spec. Hex. Hd. Screw
16	DDL-175	29/64 x 3/4 x 1/16 Washer	50	MS-62	Leg
17	DS-12-S	Clamp w/Pins			Lower Shelf
18	420-01-075-0001	Pointer	51	MS-26-X	Retractable Casters
19	SP-502	1/4-20 x 1/4 Rd. Hd. Mach. Screw	52	MS-66	5/16-18 Hex. Nut
20	DS-14	Stud	60	SP-1300	5/16 Lockwasher
21	DS-5	Lower Guard	61	SP-1703	5/16 x 3/4 x 1/16 Fiber Washer
22	DS-4	Upper Guard	62	SP-5552	5/16-18 x 1/2 Flat Hd. Mach. Screw
23	J-44	#8-32 x 5/16 Adjusting Screw			Caster
24	SP-560	#10-32 x 7/16 Rd. Hd. Mach. Screw	63	SP-478	R. H. Caster Mount
25	Cat. #82-041	115/230 Volt, Single Phase Motor	64	MS-108	Fiber Washer
25	Cat. #86-044	230/460 Volt, Three Phase Motor	65	MS-101	5/32 x 7/8 Roll Pin
25	Cat. #86-045	208 Volt, Three Phase Motor	66	DSS-36	Cam
26	SP-1300	5/16-18 Hex. Nut	67	SP-2733	Shaft
27	SP-1604	5/16 x 3/4 x 1/16 Steel Washer	68	MS-103	Spring Washer
28	DDL-174	29/64 x 1 1/8 Steel Washer	69	MS-107	L. H. Caster Mount
29	SP-808	5/16-18 x 1 Carriage Bolt	70	MS-109	Foot Lever
30	1085257	Base	71	MS-100	5/32 x 1 Roll Pin
31	SP-1704	3/8 Lockwasher	72	MS-102	
32	SP-642	3/8-16 x 1 Hex. Hd. Cap Screw	73	SP-2732	