

WALL ENTERPRISES, INC.

RBG 712 / 934 - Operation Instructions

- 1) Grit Collector
- 2) Blade Guide (Standard)
- 3) Blade Guide (Reverse)
- 4) On / Off Switch



Figure 1: RBG 712

CAUTION: ALWAYS WEAR EYE PROTECTION AND THICK WELDER'S GLOVES WHEN OPERATING YOUR RBG BLADE GRINDER.

Blade Preparation

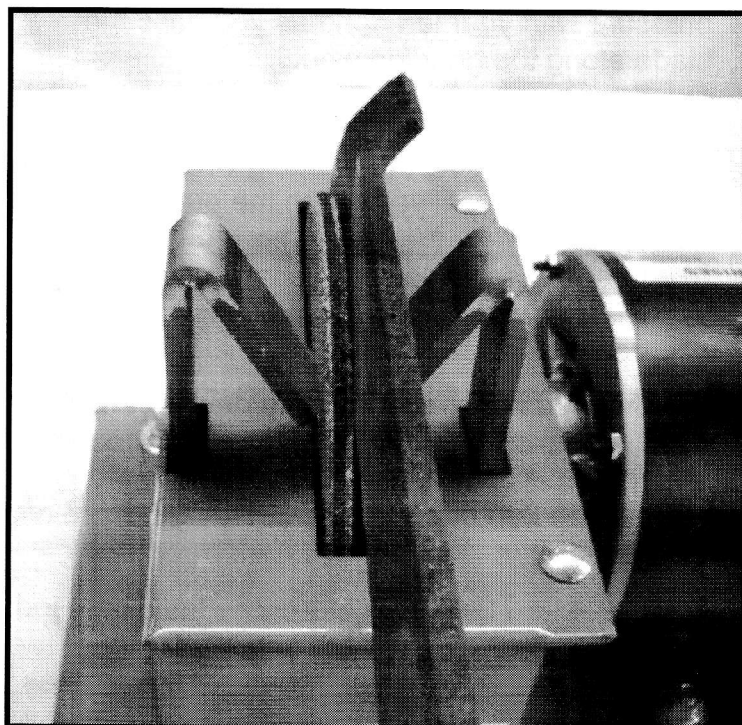


Figure 2: Prepare Blade

- 1) Check your blade to ensure that the underside of the sharpened area is flat. If it is not you will need to remove any nicks or damage caused by hitting rocks and debris to ensure smooth travel along the blade guide and maintain the life of your wheel. To do so rest the area to be sharpened against the right Blade Guide as in Figure 2 so that the bottom of the blade is parallel to the grinding wheel.
- 2) Deep gouges that cause sections of the blade to stand away from the surface should be ground first by turning the switch to the 'On' position and allowing the blade to slowly slide down the blade guide from the top, grinding the highest points first until the blade's surface is uniform. After the highest, most damaged parts are removed pass the underside of the blade along the grinding wheel until the bottom of your blade is flat. Only remove enough steel to flatten the bottom of your blade. Actual blade sharpening will be completed in the following steps.

Blade Sharpening

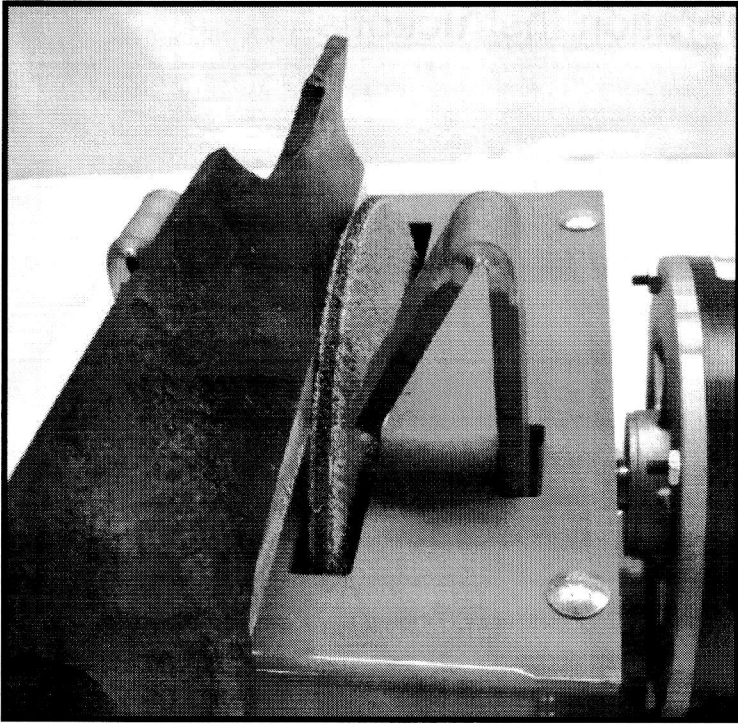


Figure 3: Blade Positioning

3) Now that the bottom of your blade is flat inspect the side to be sharpened to see if any damaged sections stand out from the blade's surface. Flatten these first as you did on the underside of the blade in Step 2 by allowing the blade to slide slowly down from the top of the guide, grinding the most damaged sections first until the blade rests flat against the wheel as in Figure 3. **Attempting to sharpen a blade without first flattening these gouges may cause damage to your grinding wheel.** Now that your blade's surfaces are flat you can begin sharpening.

4) For standard rotation blades you will use the left blade guide. To sharpen a reverse rotation blade you would use the right blade guide. Figure 3 shows how a standard rotation blade should sit on the guide. The blade's underside will sit flat on the blade guide, which will hold the section of the blade to be sharpened parallel to the grinding wheel. Keeping the bottom of the blade flat against the blade guide while grinding will ensure a consistent, properly angled bevel on your blades.

5) Lift the blade slightly so that it is not in contact with the grinding wheel and turn the switch to its 'On' position. Hold the blade with your right hand while you apply slight downward pressure with your left hand as you pass the blade along the grinding wheel.

6) Lower the blade so that the edge nearest the center hole contacts the grinding wheel first. Pull the blade back until you reach the outer edge. **Do not sharpen while pushing the blade away from yourself.** Periodically check your cutting edge while grinding until the blade is fully sharpened.

7) After you have reached your desired edge a small amount of steel may have curled around to the bottom of the blade. To remove this steel repeat step 2 to once again flatten the bottom of the blade.

8) Now return the blade to the position you used while grinding and complete one more pass across the grinding wheel to remove any excess steel that has curled back on top. This will leave you with a finished edge ready to cut.

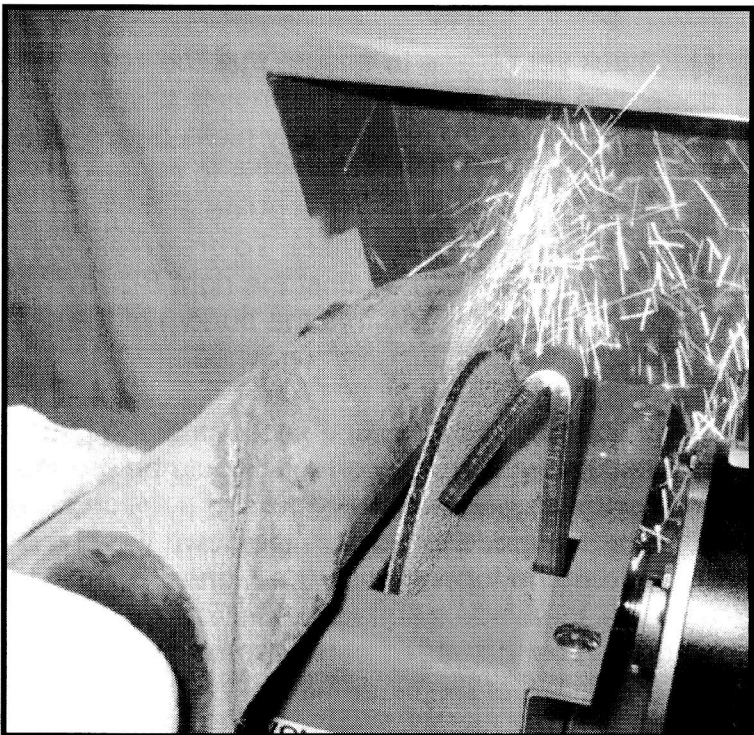
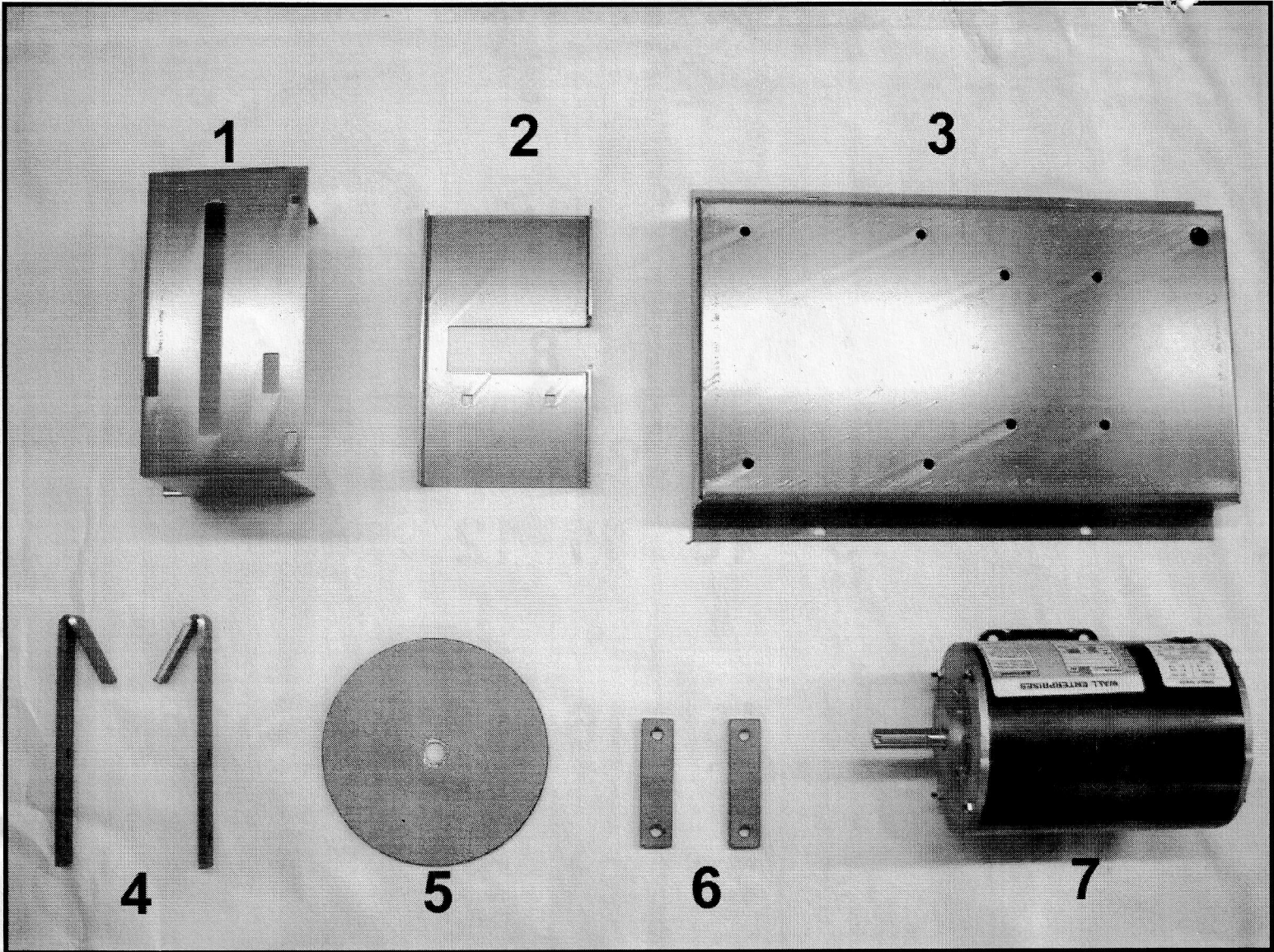


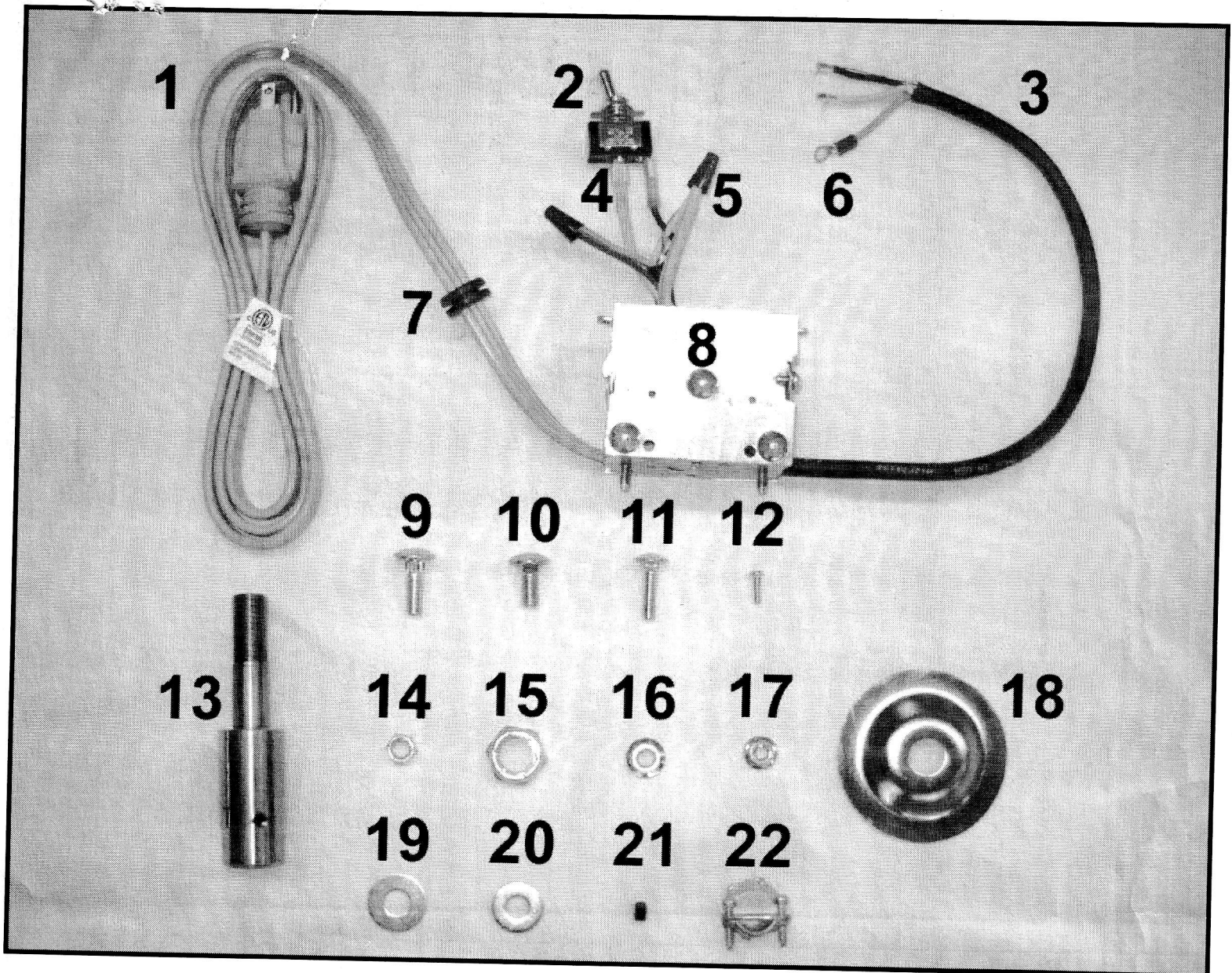
Figure 4: Blade Grinding

Parts Breakdown 1



	Part #	Description	Qty
1	702	Wheel Guard Front	1
2	703	Wheel Guard Back	1
3	701	Frame	1
4	704	Blade Guide	2
5	780	7" Wheel	1
6	705	Motor Spacer	2
7	1217	1/2 H.P. Motor	1

Parts Breakdown 2



	Part #	Description	Qty
1	1333	Wire, Power Cord	1
2	727	Toggle Switch	1
3	733	Wire, Switch to Motor	1
4	1334	Terminal, Flat	2
5	1337	Wire Nut	4
6	1335	Terminal, Round	1
7	720	Rubber Grommet 13/16	1
8	1338	Switch Box	1
9	715	Ribbed Carriage Bolt 5/16 x 1"	8
10	1310	Carriage Bolt 5/16-18 x 3/4"	4
11	3422	Carriage Bolt 1/4-20 x 1"	2

	Part #	Description	Qty
12	1328	Screw 6/32 x 1/2"	2
13	1221-S	Arbor	1
14	716	Nylon Lock Nut 5/16-18	4
15	1314	Nylon Lock Nut 5/8-18	1
16	1611	Whiz Lock Nut 5/16-18	8
17	10026	Whiz Lock Nut 1/4-20	2
18	1316-B	Flange Washer	2
19	10014	Washer 3/8	4
20	1304	Washer 5/16	16
21	1313	Set Screw 1/4	2
22	1331	Romex Connector	1