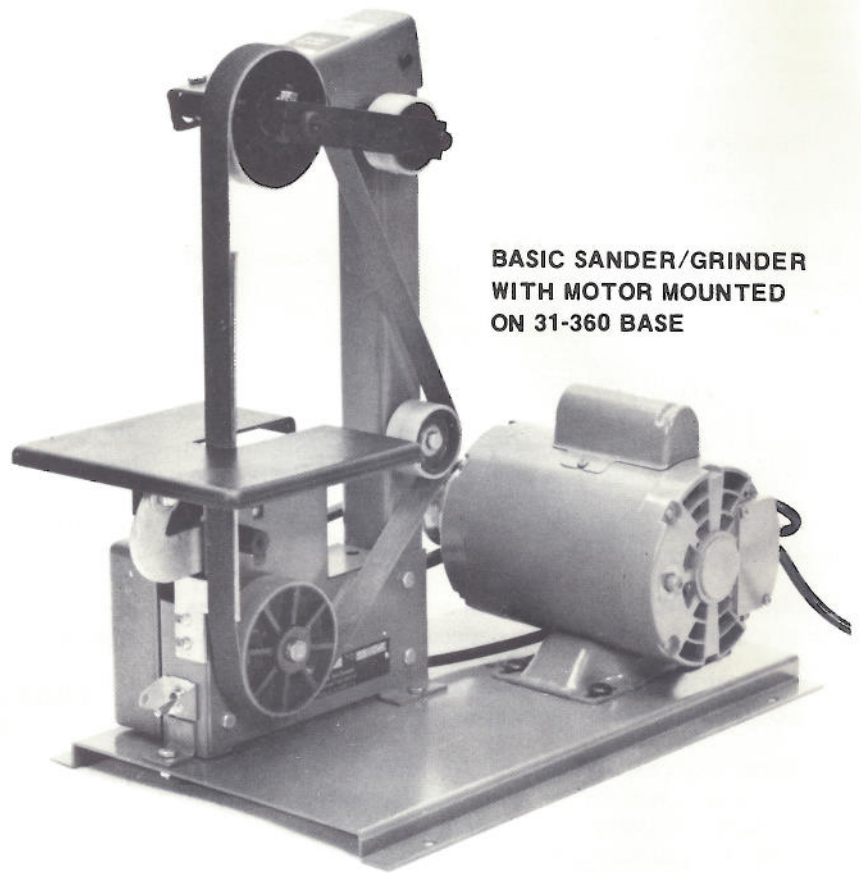


Instruction manual

Sander/Grinder



**BASIC SANDER/GRINDER
WITH MOTOR MOUNTED
ON 31-360 BASE**



The Serial No. and Model No. plate is attached to the right side of the Sander/Grinder. Locate this plate and record the Serial No. and Model No. in your manual for future reference.

SERIAL NO. _____

MODEL NO. _____

SAFETY RULES FOR ALL TOOLS

As with all power tools there is a certain amount of hazard involved with the operator and his use of the tool. Using the tool with the respect and caution demanded as far as safety precautions are concerned will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or completely ignored, personal injury to the operator can develop.

There are also certain applications for which this tool was designed. Rockwell strongly recommends that this tool NOT be modified and/or used for any application other than for which it was designed. If you have any questions relative to its application DO NOT use the tool until you have written Rockwell and we have advised you.

ROCKWELL INTERNATIONAL
MANAGER OF PRODUCT SAFETY
TOOL GROUP
400 NORTH LEXINGTON AVENUE
PITTSBURGH, PENNSYLVANIA 15208

1. **KNOW YOUR POWER TOOL.** Read the owner's manual carefully. Learn the tools applications and limitations, as well as the specific potential hazards peculiar to it.
2. **KEEP GUARDS IN PLACE** and in working order.
3. **GROUND ALL TOOLS.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter lug must be attached to a known ground. Never remove the third prong.
4. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it "on".
5. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
6. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
7. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
8. **MAKE WORKSHOP CHILDPROOF** with padlocks, master switches, or by removing starter keys.
9. **DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.
10. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
11. **WEAR PROPER APPAREL.** No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Nonslip foot wear is recommended. Wear protective hair covering to contain long hair.
12. **USE SAFETY GLASSES.** Also use face of dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses; they are NOT safety glasses.
13. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.
14. **DON'T OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT TOOLS** before servicing and when changing accessories such as blades, bits, cutters, etc.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause hazards.
18. **AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in power cord.
19. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
20. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure that it will operate properly and perform its intended function — check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
21. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
22. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
23. **DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drugs, alcohol or any medication.
24. **MAKE SURE TOOL IS DISCONNECTED FROM POWER SUPPLY** while motor is being mounted, connected or reconnected.

ADDITIONAL SAFETY RULES

1. **MAKE SURE** belt is tracking correctly.
2. **MAKE CERTAIN** the belt is not torn or loose.
3. **KEEP** hands away from abrasive surfaces.
4. **SAND** with the grain of wood.
5. **NEVER** wear gloves or hold the work with a rag when sanding.
6. **WARNING** - For your own safety, adjust the table to within 1/16" of the sanding surface.
7. **ALWAYS** support workpiece on worktable.

MOTORS FOR YOUR SANDER/GRINDER

The motors available for use with your Sander/Grinder are:

62-143, 1/2 H.P., standard duty, split phase, 3450 RPM, 115 volt, (sleeve bearing).

62-144, 1/2 H.P., heavy duty, capacitor start, 3450 RPM, 115 volt with integral manual reset thermal overload protection (ball bearing).

These motors have been specially selected to best supply power to your machine and the relative safety of the machine is enhanced by their use. We therefore strongly suggest that only these motors be used as the use of other motors may be detrimental to the performance and safety of the machine.

SETTING UP

If you purchase your machine complete with motor and base plate, the machine and motor are shipped completely wired and mounted to the base plate, as shown in Fig. 2.

If you purchased your machine minus the base plate and with a separate motor, the machine and motor must always be fastened to a supporting surface or the machine and motor can be mounted to the accessory 31-360 Metal Base Plate. Fig. 3, illustrates the location of the mounting holes in the accessory 31-360 Metal Base Plate for mounting the machine and motor. Fig. 3, also illustrates the location of holes to be drilled in a supporting surface for mounting the machine and motor if the 31-360 Metal Base Plate is not used.

If you purchase your machine with a separate motor and 50-510 Steel Stand, assemble the stand and mount the machine and motor to the stand by following the instructions under ASSEMBLING 50-510 STAND and ASSEMBLING MOTOR AND MACHINE TO 50-510 STAND.

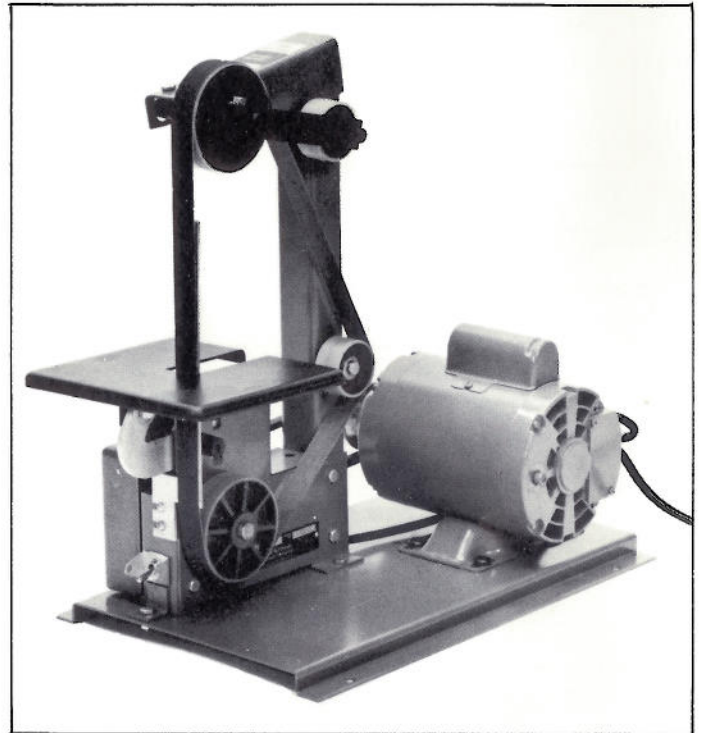


Fig. 2

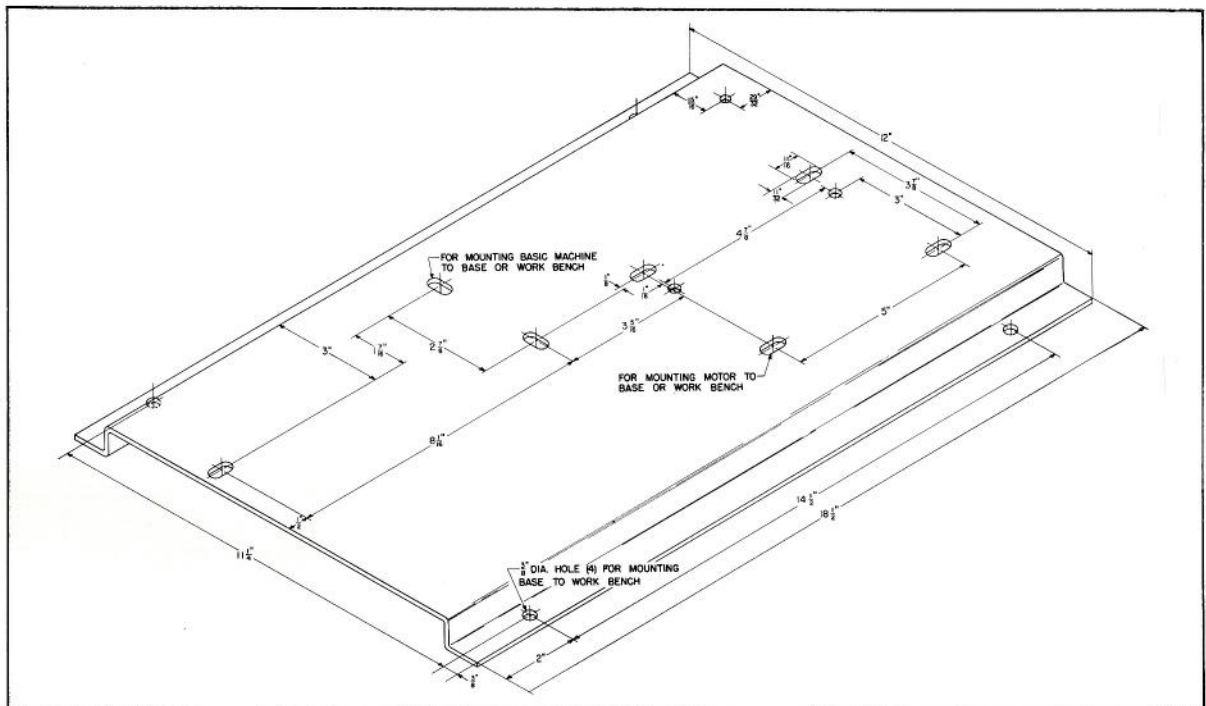


Fig. 3

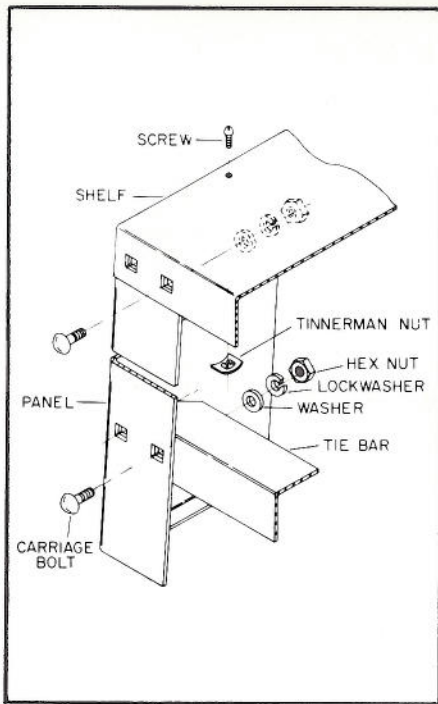


Fig. 4

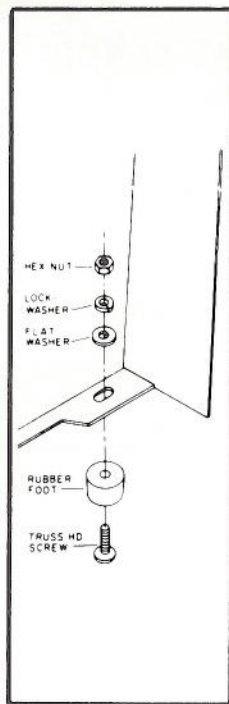


Fig. 4A

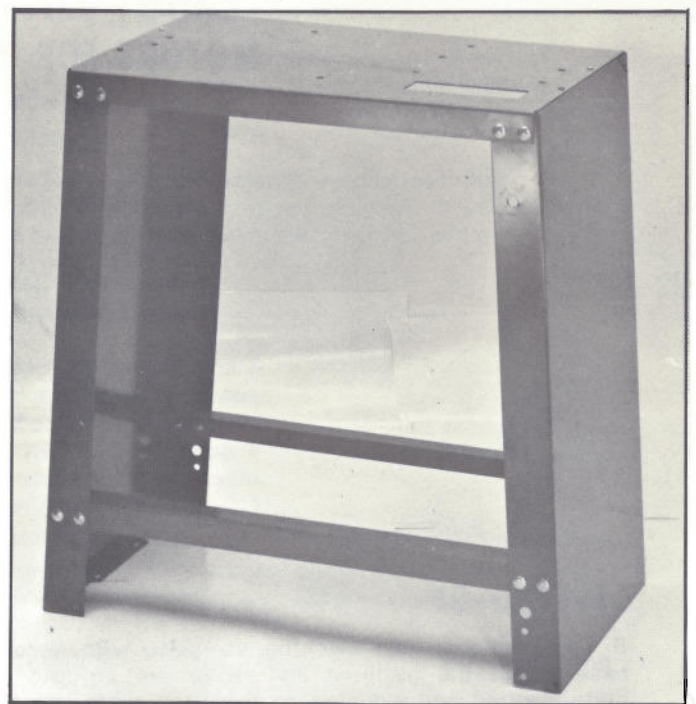


Fig. 5

ASSEMBLING 50-510 STEEL STAND

If you purchase the 50-510 Steel Stand assemble the top shelf and the two braces to the two panels of the stand, as shown in Fig. 4, using the 16 carriage bolts, flat washers, lockwashers and nuts. Fasten the top shelf to the panels using the four screws and tinnerman nuts provided, as shown in Fig. 4. The 50-510 Steel Stand is shown completely assembled in Fig. 5.

Four rubber feet are supplied with the stand and should be assembled to the stand as illustrated in Fig. 4A. NOTE: It is necessary to seat the rubber foot by giving it a sharp blow with a hammer before assembling to the stand.

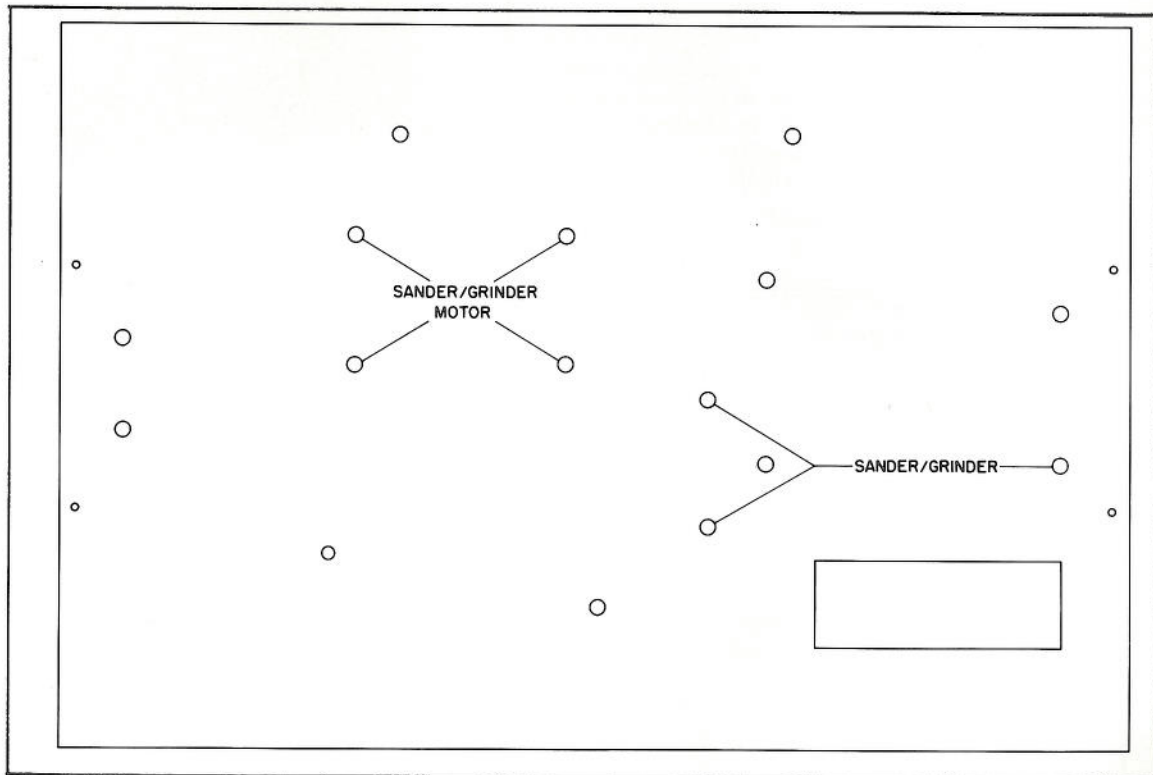


Fig. 6

ASSEMBLING MOTOR AND MACHINE TO 50-510 STEEL STAND

Fig. 6, illustrates the holes in the top shelf of the 50-510 Stand that are to be used for mounting the Sander/Grinder and motor.

FASTENING STAND OR BENCH TO FLOOR

IF DURING OPERATION THERE IS ANY TENDENCY FOR THE TOOL TO TIP OVER, SLIDE OR WALK ON SUPPORTING SURFACE, THE STAND OR BENCH MUST BE SECURED TO THE FLOOR.

ASSEMBLING SWITCH TO THE SANDER/GRINDER

If your machine was purchased without the motor and switch mounted and wired and if you are using one of the motors recommended for use with your machine, the switch is supplied connected to the motor and must be assembled to the machine as follows:

1. Remove the outer hex nut (A) Fig. 7, from the switch stem. Leave shakeproof lockwasher (B) and inside hex nut (C) on switch stem. CAUTION: The proper grounding of the switch, to prevent shock hazard, depends on the use of the shakeproof lockwasher (B) Fig. 7, in the manner shown.

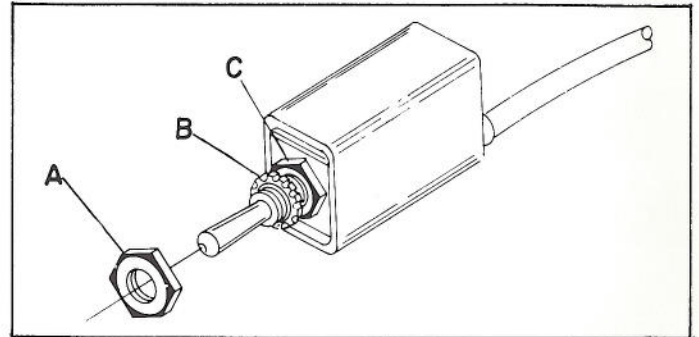


Fig. 7

2. Pass the switch cord (A) Fig. 8, through the inside of the machine base and insert the switch and switch stem (B) through the hole in the front of the machine making sure the keyway in the switch stem is in the down position.

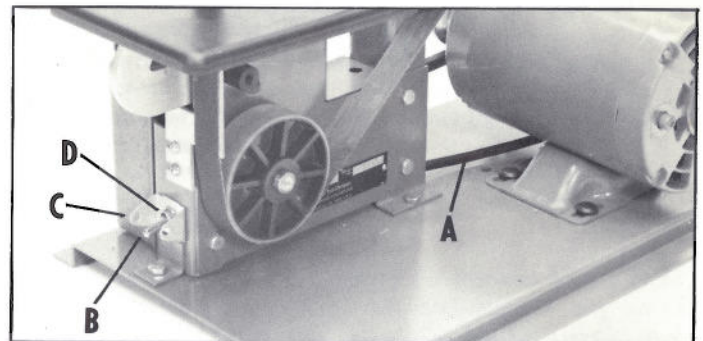


Fig. 8

3. Place the switch bracket (C) Fig. 8, on switch stem with key in switch bracket engaged with keyway in switch stem and fasten in place with hex nut (D) that was removed in STEP 1.

4. IMPORTANT: We suggest that when the machine is not in use, the switch be locked in the "OFF" position using a padlock, as shown in Fig. 9, Catalog No. 49-031 Padlock is available as an accessory.

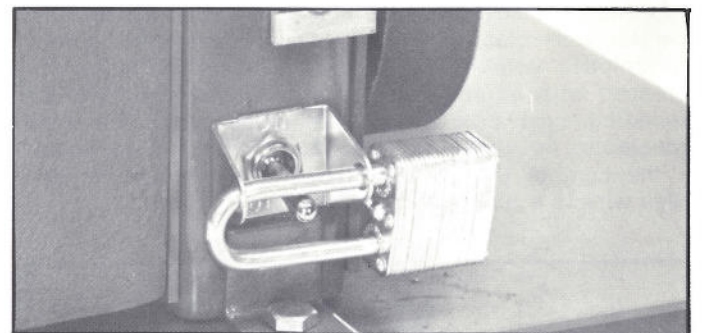


Fig. 9

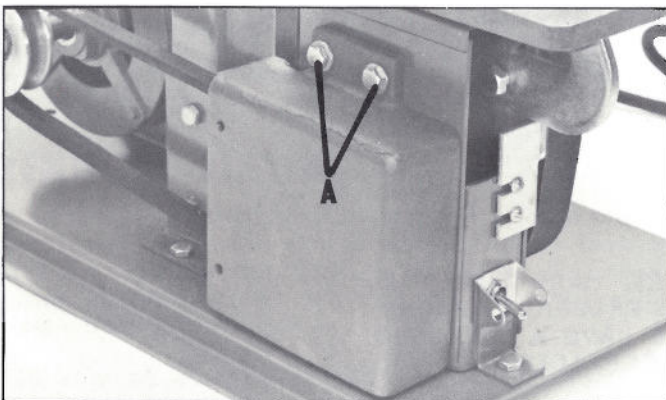


Fig. 10

ASSEMBLING 31-361 ARBOR PULLEY GUARD

If you purchased the 31-361 Arbor Pulley Guard, assemble it to the machine, as shown in Fig. 10, using the two screws, washers and hex nuts (A) supplied with the guard.

ASSEMBLING 31-366 BELT AND MOTOR PULLEY GUARD

If you purchased the 31-366 Belt and Motor Pulley Guard, assemble it to the machine, as shown in Fig. 11, using the two 1/4-20 X 3/8" Hex Head Screws and washers (A). The two screws are threaded into the two tapped holes in the arbor pulley guard (B). Then fasten the rear of the guard of the base plate using the 1/4-20 X 1/2" hex head screw, washer and nut (C) Fig. 11.

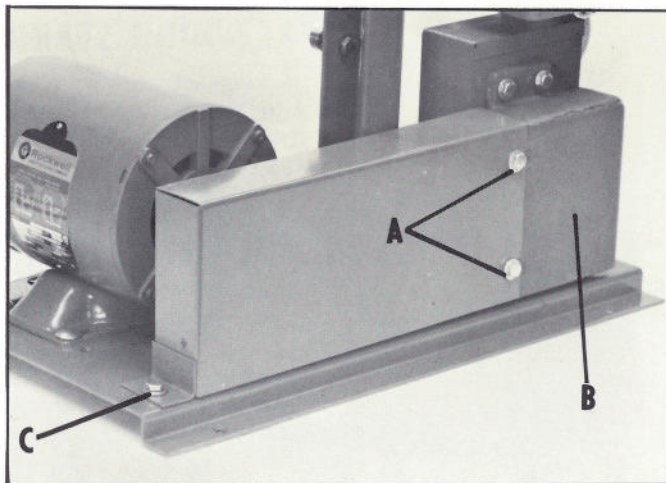


Fig. 11

CONNECTING MACHINE TO POWER SOURCE

POWER CONNECTIONS

A separate electrical circuit should be used for your power tools. This circuit should not be less than #12 wire and should be protected with a 20 Amp time lag fuse. If an extension cord is used, use only 3-wire extension cords which have 3-prong grounding type plugs and 3-pole receptacles which accept the tools plug. For distances up to 100 feet use #12 wire. For distances up to 150 feet use #10 wire. Before connecting the motor to the power line, make sure the switch is in the "OFF" position and be sure that the electric current is of the same characteristics as stamped on motor nameplate. All line connections should make good contact. Running on low voltage will injure the motor.

GROUNDING INSTRUCTIONS

This tool must be grounded while in use to protect the operator from electric shock. The recommended motors are shipped wired for 115 Volt, Single Phase and are equipped with an approved 3-conductor cord and 3-prong grounding type receptacle, as shown in Fig. 12. The green conductor in the cord is the grounding wire. Never connect the green wire to a live terminal.

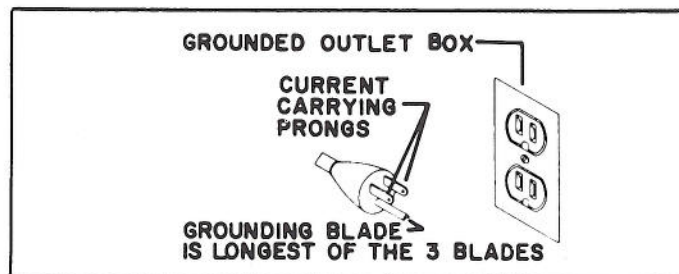


Fig. 12

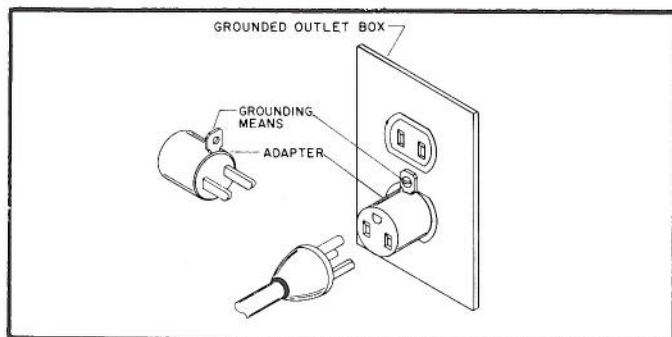


Fig. 13

An adapter, shown in Fig. 13, is available for connecting 3-prong grounding type plugs to 2-prong receptacles. THIS ADAPTER IS NOT APPLICABLE IN CANADA. The green-colored rigid ear, lug, etc., extending from the adapter is the grounding means and must be connected to a permanent ground such as to properly grounded outlet box, as shown in Fig. 13.

IMPORTANT: IN ALL CASES, MAKE SURE THE RECEPTACLE IN QUESTION IS PROPERLY GROUND-ED. IF YOU ARE NOT SURE HAVE A CERTIFIED ELECTRICIAN CHECK THE RECEPTACLE.

INSTALLING AND REMOVING ABRASIVE BELTS

To install or remove the Abrasive Belt, disconnect machine from power source and press down on the overarm, as shown in Fig. 14, to release belt tension. Then remove and replace the belt. Install the belt so the arrow on the inside of the belt is pointing down at the front of the machine. Tension on the Abrasive Belt is automatically supplied by the use of a heavy spring located between the overarm and the column.

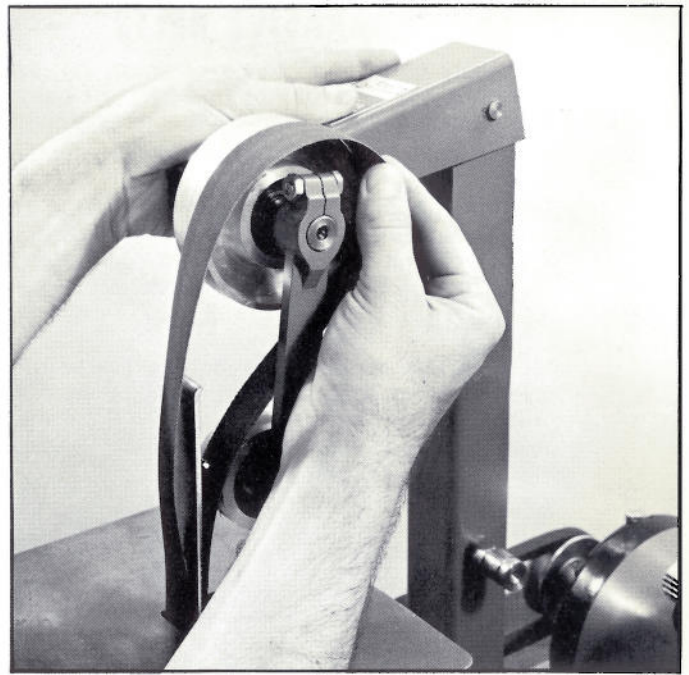


Fig. 14

TRACKING THE BELT

The tracking adjustment is set at the factory so that the Abrasive Belt will run true on the pulleys. If, however, the belt should lead to one side or the other on the pulleys, an adjustment can be made as follows:

1. Disconnect the machine from the power source.
2. For a preliminary adjustment, turn the V-Belt by hand and check to see which way the Abrasive Belt will have to be tracked.
3. If the Abrasive Belt has to be tracked to the right, loosen cap screw (A) Fig. 15, and tighten cap screw (B). If the Abrasive Belt is to be tracked to the left, reverse this procedure. CAUTION: THIS ADJUSTMENT IS USUALLY VERY SLIGHT.
4. For a final check, turn the machine on and adjust further if necessary.

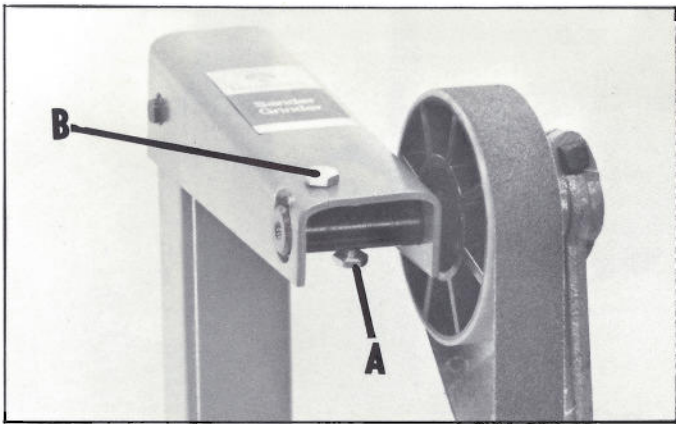


Fig. 15

ADJUSTING TABLE

The table of your Sander/Grinder can be moved in or out, by loosening Lock Screw (A) Fig. 16, and sliding the table in or out until the desired position is obtained. Then tighten Lock Screw (A). To remove the table, loosen lock screw (A) Fig. 16, and pull the table straight out.

To tilt the table, loosen nut (B) Fig. 16, tilt the table to the desired angle, and tighten nut (B). The table will tilt from the usual horizontal position to a 10 degree back or 90 degree forward angle, permitting a wide range of beveling.

REMOVING PLATEN

When using your machine for "strapping" or other special operations, the platen should be removed in order to have the Abrasive Belt loose. To remove the platen, loosen the two screws (C) Fig. 16, and remove the platen from the machine.

Available as accessories for your Sander/Grinder are the 31-364 Flat Platen for 1/2" or narrower belts, and the 31-365 Convex Platen, 1/2" radius for 1" belts.

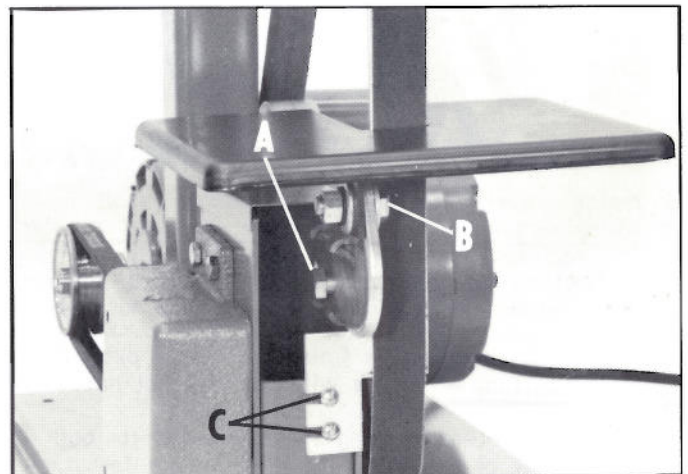


Fig. 16

ABRASIVE BELTS — THEIR SELECTION AND USE

We supply belts in a choice of seven (7) grits ranging from the coarse 40 grit belt used for fast stock removal or the extra fine 320 grit used for finishing or "coloring". These are top quality thin joint belts with cloth backing, selected bonding material and a single "closed coat" layer of aluminum oxide abrasive particles, applied by the most modern electrostatic methods.

These belts 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 belt recommendations. For certain specialized jobs a silicon carbide or a garnet belt may be better, and these are not supplied by us.

All materials may be worked on a dry belt. But for professional quality or for production work a low melting point grease should be used for cooler cutting, better finish, and for longer belt life. Even coarse belts 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, as shown in Fig. 17, is often applied to the belt to prevent "loading" of the belt on softer material especially aluminum. When grinding steel or some kind of plastic, the grease stick is often used to prevent over heating of the work piece.

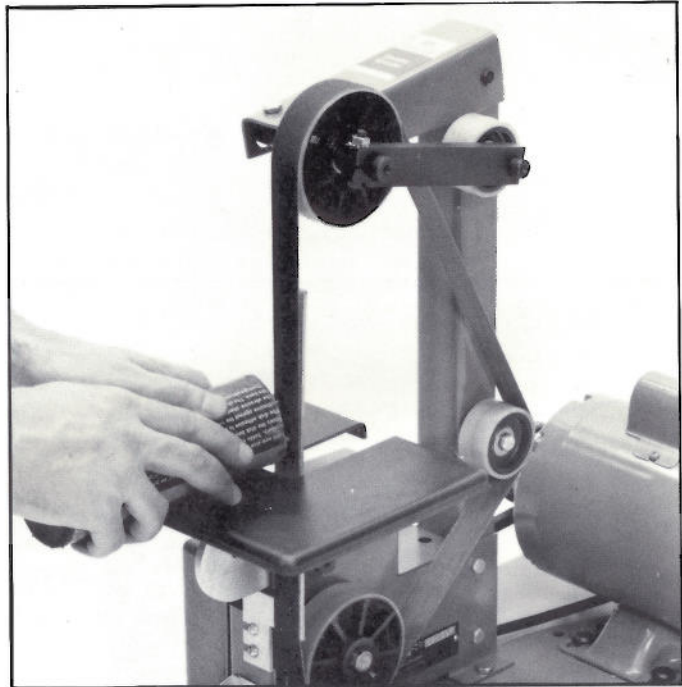


Fig. 17



Fig. 18

For aggressive stock removal (foundry work, descaling, deburring, etc.) a coarse grit may be used, and the work held directly on the contact wheel shown in Fig. 18, which we offer as an accessory.

When using the contact wheel, remove the table and platen, install contact wheel on the arbor shaft in place of the 3-1/2" diameter pulley, and run the 1" belt between the contact wheel and the top 3-1/2" diameter pulley. The 2" idler pulleys should not be used with the contact wheel. The machine should be fastened to the extreme right hand side of a wooden work bench and the right mounting bracket should be bent down and bolted to the side of your work bench.

For producing a finish, a fine or extra fine grit is used, backed up by the platen for moderate cutting action, or with the belt not supported when very little stock is to be removed.

Many times a single belt is used for both stock removal and for finish, just by lubricating one half of the belt with light grease for stock removal and the other side or half of the belt with a heavy grease for polishing to bring out a good finish. This can be done only when the parts are very small and need not be moved across the face of the belt.

Otherwise a separate belt should be used for each stage from the first to the last operation. To save time in changing and tracking belts, two machines may be placed side by side and used by one operator.

When an abrasive belt smaller than 1" is desired, the 1" belt can be split. This can be done by turning the belt inside out and with a knife or other sharp instrument cut a slot in the belt at the desired width. Then proceed to tear the belt, as shown in Fig. 19. CAUTION: ONLY TEAR THE BELT A FEW INCHES AT A TIME ONE WAY THEN REVERSE THE TEARING ACTION. THIS METHOD WILL REDUCE THE TENDENCY OF THE BELT TO UNRAVEL.



Fig. 19

For certain applications a mist coolant attachment (not supplied by us) will be found to be helpful. If the use of a mist coolant causes the Abrasive Belt to slip on the lower drive pulley, this can be corrected by using a "tire" which can be homemade by wrapping the pulley with a piece of coated abrasive belt. The grit is of course turned to the outside and cement should be used sparingly, to avoid lumps under the "tire".

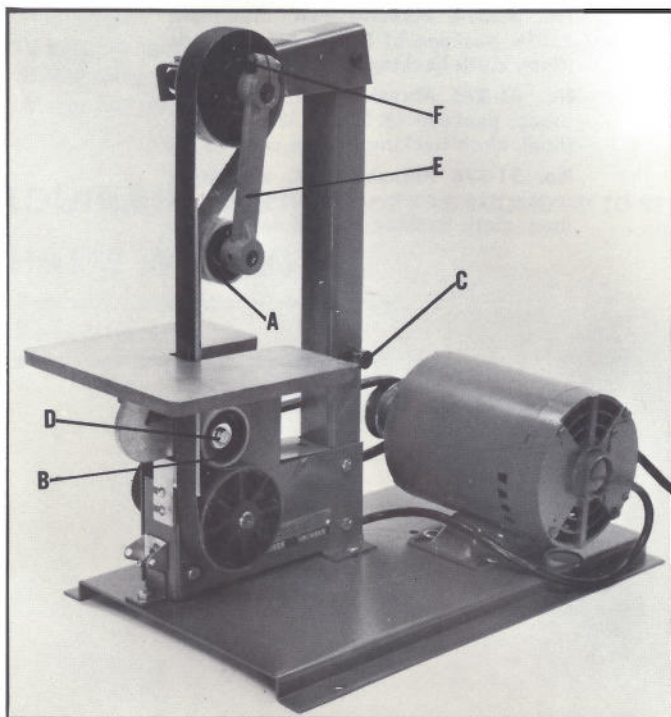


Fig. 20

INSIDE SANDING AND GRINDING

When doing inside sanding or grinding, both idler pulleys (A and B) Fig. 20 are used. Idler pulley (B) is moved from the shaft (C) and placed on shaft (D) and idler pulley (A) is moved to the front as shown in Fig. 20. CAUTION: BEFORE MOVING IDLER ARM (E) FIG. 20, LOOSEN SCREW (F). The belt is run on the outside of the two larger pulleys and to the inside of the two idler pulleys. The platen and table can be left on the machine or removed depending on the work you are doing. When doing inside sanding or grinding a 44" abrasive belt is recommended instead of the standard 42" belt, to provide more room between the table and idler pulley (A).

HEAVY WORK WITH PLATEN

When heavy pressure of the work piece against the belt is required, the platen can be supported by the pulley (A), as shown in Fig. 20. This can be done whether the belt is threaded over the pulley (A) as shown, or whether other belt arrangements are used.

ACCESSORIES

No. 50-510 Stand for use with 31-351 Basic Unit. 30 lbs.

No. 41-023 Motor Pulley, 2½" dia., ⅝" bore. ½ lb.

No. 49-105 V-Belt, 30⅛" O.C. Used with 31-360 Base or for rear motor position on customer's bench. ½ lb.

No. 31-360 Metal Base Plate, 8⅜₂ x 17". Drilled for mounting Sander/Grinder and motor, and for mounting Base Plate to work bench. 8 lbs.

No. 31-361 Guard for Arbor Pulley. Can be used for rear or underneath motor position. Includes mounting screws and washers. 2 lbs.

No. 31-362 Rubber Contact Wheel, 4" diameter, 1" face, special bore size, with set screw, 60 durometer, with 45° standard serrations. A general purpose wheel recommended for both stock removal and rough finishing. Can be used for flash grinding on soft metals. 1 lb.

No. 31-363 Flat Platen for 1" belts. ½ lb.

No. 31-364 Flat Platen for ½" or narrower belts. ¼ lb.

No. 31-365 Convex Platen, ½" radius, for 1" belts. ¼ lb.

No. 31-366 Guard for V-Pulleys and V-Belt. Include mounting parts. Recommended for use when motor is mounted to rear on customer's bench or on 31-360 Base Plate. 4½ lbs.

No. 31-370 Abrasive Belt, aluminum oxide, pkg. of 5, 1 x 42", 40 grit (coarse), cloth backing, closed coat. ½ lb.

No. 31-371 Abrasive Belt, aluminum oxide, package of 5, 1 x 42", 50 grit (coarse), cloth backing, closed coat. ½ lb.

No. 31-372 Abrasive Belt, aluminum oxide, pkg. of 5, 1 x 42", 80 grit (medium), cloth backing, closed coat. ½ lb.

No. 31-373 Abrasive Belt, aluminum oxide, pkg. of 5, 1 x 42", 120 grit (medium), cloth backing, closed coat. ½ lb.

No. 31-374 Abrasive Belt, aluminum oxide, package of 5, 1 x 42", 150 grit (fine), cloth backing, closed coat. ½ lb.

No. 31-375 Abrasive Belt, aluminum oxide, package of 5, 1 x 42", 220 grit (fine), cloth backing, closed coat. ½ lb.

No. 31-376 Abrasive Belt, aluminum oxide, pkg. of 5, 1 x 42", 320 grit (extra fine), cloth backing, closed coat. ½ lb.

TROUBLE SHOOTING GUIDE

TROUBLE!! MACHINE WILL NOT START

WHAT'S WRONG?

1. Machine not plugged in
2. Fuse blown or circuit breaker tripped
3. Cord damaged
4. Overload relay not set (62-144 motor only)

WHAT TO DO . . .

1. Plug in machine. See page 6.
2. Replace fuse or reset circuit breaker
3. Have cord replaced by an Authorized Rockwell Service Center or Service Station.
4. Push overload reset button on motor

TROUBLE!! OVERLOAD KICKS OUT FREQUENTLY (62-144 MOTOR ONLY)

WHAT'S WRONG?

1. Extension cord too light or too long
2. Feeding material too fast
3. Low house current

WHAT TO DO . . .

1. Replace with adequate size cord. See page 6.
2. Feed material more slowly
3. Contact your electric company

TROUBLE!! ABRASIVE BELT DOES NOT TRACK PROPERLY

WHAT'S WRONG?

1. Tracking adjustment not set correctly

WHAT TO DO . . .

1. Check and adjust tracking adjustment. See page 7.

TROUBLE!! MACHINE VIBRATES EXCESSIVELY

WHAT'S WRONG?

1. Machine not mounted securely to stand or workbench
2. Stand or bench on uneven floor
3. Bad V-belt
4. V-belt not tensioned correctly
5. Bent pulley
6. Motor not fastened securely

WHAT TO DO . . .

1. Tighten all mounting hardware. See page 4.
2. Reposition on flat level surface. Fasten to floor if necessary. See page 5.
3. Replace belt
4. Adjust belt tension by moving motor
5. Replace pulley
6. Tighten all mounting hardware

TROUBLE!! MACHINE DOES NOT COME UP TO SPEED

WHAT'S WRONG?

1. Extension cord too light or too long
2. Low house current
3. Motor not wired for correct voltage

WHAT TO DO . . .

1. Replace with adequate size cord. See page 6.
2. Contact your electric company
3. Refer to motor nameplate for correct wiring



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Phoenix 85017
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Orange 92668
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Phone: (714) 634-4111

Sacramento 95818
2828 Q Street
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San Leandro 94577
3039 Teagarden Street
Phone: (415) 357-9762

Santa Clara 95050
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San Diego 92111
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4714 Erdman Avenue
Phone: (301) 483-3100

MASSACHUSETTS

Boston 02134
414 Cambridge St. (Allston)
Phone: (617) 782-1700

MICHIGAN

Southfield (Detroit) 48075
18650 W. Eight Mile Road
Phone: (313) 569-4333

Grand Rapids 49506
2750 Birchcrest S.E.
Phone: (616) 949-9040

MINNESOTA

Minneapolis 55429
4315 68th Avenue North
Phone: (612) 561-9080

MISSOURI

North Kansas City 64116
1141 Swift Avenue
Phone: (816) 221-2070

St. Louis 63139
2348 Hampton Avenue
Phone: (314) 644-3166

NEW JERSEY

Union 07083
945 Ball Avenue
Phone: (201) 964-1730

NEW YORK

New York 10013 (Manhattan)
132 Lafayette Street
Phone: (212) 966-2726

Flushing 11365
175-25 Horace Harding Expwy.
Phone: (212) 225-2040

Syracuse 13224
2740 East Erie Blvd.
Phone: (315) 445-1922

Tonawanda 14150
3191 Eggert Road
Phone: (716) 837-1222

NORTH CAROLINA

Charlotte 28209
4612 South Boulevard
Phone: (704) 525-4410

Greensboro 27406
3005 South Elm
Phone: (919) 274-4604

OHIO

Cincinnati 45215
1433 Glendale-Milford Rd.
Phone: (513) 772-1490

Cleveland 44114
1234 East 26th Street
Phone: (216) 621-6329

Columbus 43214
4560 Indiana Avenue
Phone: (614) 263-0929

Dayton 45439
3050 S. Kettering Blvd.
Phone: (513) 298-5281

Toledo 43606
2934 Douglas Road
Phone: (419) 473-0962

OKLAHOMA

Oklahoma City 73107
3631 N.W. 23rd Street
Phone: (405) 946-6437

OREGON

Portland 97232
2755 Northeast Broadway
Phone: (503) 288-6888

PENNSYLVANIA

Harrisburg 17112
5131 Jonestown Road
Phone: (717) 657-0545

Philadelphia 19120
4433-37 Whitaker Avenue
Phone: (215) 455-7907

Monroeville (Pittsburgh) 15146
Monroeville Mall Annex
Mall Circle Drive
Phone: (412) 247-3600

RHODE ISLAND

East Providence 02914
1009 Waterman Avenue
Phone: (401) 434-3620

TENNESSEE

Knoxville 37919
342 Troy Circle
Phone: (615) 588-3546

Memphis 38116
1004 East Brooks Road
Phone: (901) 332-1353

TEXAS

Dallas 75247
2934 Iron Ridge Street
Phone: (214) 631-1890

Houston 77018
Suite 114
10606 Hempstead Road
Phone: (713) 682-0334

San Antonio 78218
Suite 107
2800 N.E. Loop 410
Phone: (512) 654-1061

UTAH

Salt Lake City 84115
Mail: P.O. Box 15928
2990 S.W. Temple
Phone: (801) 487-4953

VIRGINIA

Norfolk 23502
5335 Virginia Beach Blvd.
Phone: (804) 461-8024

Richmond 23230
1705 Dabney Road
Phone: (804) 257-7348

WASHINGTON

Seattle 98101
1918 Minor Avenue
Phone: (206) 622-4576

WISCONSIN

Milwaukee 53222
10700 W. Burleigh Street
Phone: (414) 774-3650

SAN JUAN, PUERTO RICO

Rio Piedras, Puerto Rico 00929
Mail: Box 29268, 65th Infantry Station
Package: Calla Almeria 321
Urban Valencia
Rio Piedras, Puerto Rico
Phone: (809) 763-2245

CANADA

ALBERTA

Calgary, Alberta T2G 4B9
4411 Manitoba Road, S.E.
Phone: (403) 287-0462

Edmonton T5S 3X6
10632 169th Street
Phone: (403) 489-5587

BRITISH COLUMBIA

Vancouver, B.C. V5Y 1L4
45 West 7th Avenue
Phone: (604) 679-8622

MANITOBA

Winnipeg, Manitoba R3H 0H2
1699 Dublin Avenue
Phone: (204) 633-9259

ONTARIO

Guelph, Ontario N1H 6M7
644 Imperial Road
Phone: (519) 836-4390

London, Ontario N6E 1P7
1025 Hargrrieve Road
Phone: (519) 681-0890

Mississauga, Ontario L4V 1J2
6463 Northham Drive
Phone: (416) 677-5330

Ottawa, Ontario K2P 0N9
207 Gilmour Street
Phone: (613) 236-7459

QUEBEC

St. Laurent (Montreal), P.O.
H4N 1W2
523 Rue Deslauriers Street
Phone: (514) 336-8772

Sto. Foy Quebec G1N 4L5
Suite 202
2202 Rue Lavoisier
Phone: (418) 681-7305

HOW TO ORDER REPLACEMENT PARTS

Even quality built tools such as the Rockwell power tool you have purchased, might need occasional replacement parts to maintain it in good working condition over the years. To order replacement parts, contact or write your nearest Rockwell Service Center listed above.

Please give the following information:

1. Model No. and Serial No. and all specifications shown on the Model No./Serial No. plate.
2. Part number or numbers as shown in the Replacement Parts list supplied with your power tool.
3. A brief description of the trouble with the power tool.