



Safety Rules

Model B-100 Electric Shear

Proper Grounding Instructions

Plugs and Receptacles

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug like that shown in Figure A. If it is for use on 150 to 250 volts, it has a plug like that shown in Figure C.

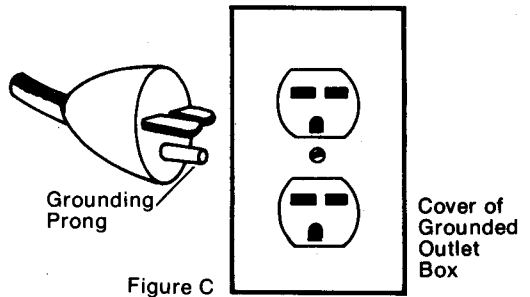
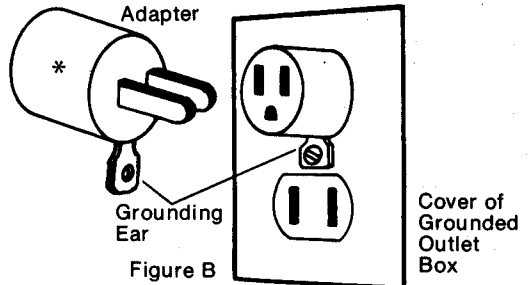
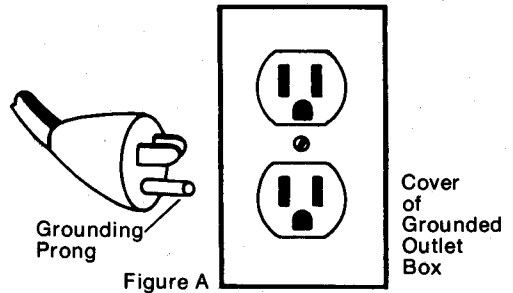
An adapter, Figure B*, is available for connecting Figure A plugs to two-prong receptacles. The green-colored rigid ear, lug, etc., must be connected to a permanent ground such as a properly grounded outlet box. No adapter is available for a plug as shown in Figure C.

Extension Cords

Use only the three-wire extension cords which have three prong grounding type plugs and three pole receptacles which accept the plug on the tool's cord. Always check the extension cord and repair or replace if damaged.

Outdoor Use Extension Cords

When tool is used outdoors, use only extension cords suitable for use outdoors and specifically so marked.



*** THE USE OF THE ADAPTER DESCRIBED ABOVE AND SHOWN
IN FIG. B IS PROHIBITED IN THE DOMINION OF CANADA.**

Safety Rules

Keep Work Area Clean

Cluttered areas and benches invite accidents.

Avoid Dangerous Environment

Don't expose power tools to rain or snow. Don't use power tools in damp or wet locations. Keep work area well lit.

Keep Children Away

All visitors should be kept safe distance from work area.

Store Idle Tools

When not in use, tools should be stored in dry, high or locked-up place-out of reach of children.

Don't Force Tool

It will do the job better and safer at the rate for which it was designed.

Use Right Tool

Don't force a small tool to do the job of a heavy duty tool.

Wear Proper Apparel

No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.

Use Safety Glasses

Use safety glasses with most tools. Also face or dust mask if cutting operation is dusty.

Don't Abuse Cord

Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.

Secure Work

Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.

Don't Overreach

Keep proper footing and balance at all times.

Maintain Tools with Care

Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing Center Blades and Side Knives.

Disconnect Tools

When not in use; before servicing; when changing Center Blades, Side Knives, Brushes, etc.

Remove Adjusting Keys and Wrenches

Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

Avoid Accidental Starting

Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in. Use of any accessory with this power unit might increase the hazard. The tool should be used only for the purpose for which it is designed.

DO NOT OPERATE this tool or any portable electric tool in gaseous or explosive atmospheres. Motors in these tools normally spark and sparks can possibly ignite fumes.

Read Operating Instructions Carefully.

Operating Instructions

Read and heed safety rules. Bear in mind that the Model B-100 Shear is recommended for CR sheet steel up to 18 gage. Secure work piece. To start cut, place side knives of shear slightly on the top side of the edge of the work piece to steady the tool and ready it for the cut. Depress the trigger switch and guide shear into the work. Do not force it. Avoid double thicknesses of material which exceed the 18 gage recommended capacity.

For cutting within perimeter of work piece drill a 1/2" diameter starting hole and follow instructions above.

If resistance to tool develops or cutting becomes difficult, discontinue cutting and check the following: lubrication; thickness of material; sharpness of cutting blades.

Motor

Be sure your power supply agrees with nameplate marking. Volts AC means Alternating Current Only (25 to 60 Cycles). Volts AC/DC means tool will also operate on Direct Current. Voltage variation of more than 10% will cause loss of power and overheating. Motors are factory tested. If this shear does not operate check the following: supply line for blown fuses; plug and receptacle for contact; carbon brushes for excessive wear or poor contact.

Maintenance

Tool may be cleaned and lubricated by the user but any other servicing including the changing of carbon brushes should be performed by the manufacturer or any authorized representative or service station.

Cable

The cable or cord is the "life line" of your tool. Keep it clean by wiping it off occasionally. Keep it out of oils and greases. Coil it neatly when not in use and avoid dragging it across sharp surfaces or using it as a handle to lift the tool.

When using the tool at a considerable distance from power source, an extension cable of adequate size must be used to prevent loss of power and over-heating.

For extension cables up to 75 feet use number 18; for 100 feet use number 16; and for up to 200 feet use number 14 wire gage. If you are working with a 230 volt tool cable lengths may be doubled using the same wire gage sizes as prescribed above for the 115 volt tool.

Lubrication

Always disconnect B-100 Electric Shear from power source before lubricating

Once every three months, depending upon usage, remove the Shear Head from the power unit following the instructions given on the service sheet under the heading "Disassembly- To remove the shear head assembly (60-20) from the drive motor." Put a few drops of heavy oil on the Eccentric Bearing Assembly (60-24) so that it saturates the needle bearing (60-24-2). Grease is even better if it can be forced or pressed into the needle bearing rollers. The outside surface of the Eccentric Bearing Ring (60-24-3) should also be greased.

Tools that have seen continuous use should also have the gear train lubricated periodically, preferably at the same time the eccentric bearing assembly is serviced. To lubricate the gears remove the screws that hold the gear case to the motor shell. Remove the gear case from the cover plate and wipe out the old grease with a cloth. Wash the gears and spindles with kerosene or cleaning fluid but **DO NOT WASH THE NEEDLE BEARINGS**. Refill the gear case **ONLY HALF FULL** with a good standard gear grease. Never fill more than half. The ball bearing in the gear case is a closed type bearing. It has been permanently lubricated at the factory to last the life of the bearing. This bearing should **NEVER** be immersed in a solvent or cleaning fluid.

Adherence to these maintenance instructions will greatly increase the life of your Model B-100 Electric Shear so it will give you long and satisfactory service.

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