



Safety Rules

Portable Power Panel Cutting Saws

Proper Grounding Instructions

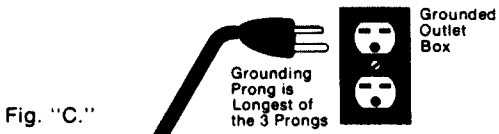
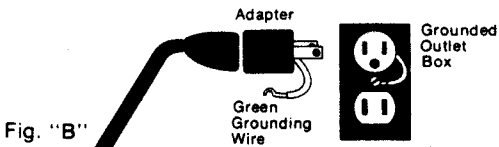
Plugs and Receptacles

This tool should be grounded while in use to protect the operator from possible 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 conductor in the cord is the grounding wire. Never connect the green wire to a live terminal. If your unit is for use on less than 150 volts, it has a plug that looks like Fig. "A." If it is for use on 150 to 250 volts, it has a plug that looks like Fig. "C."

An adapter, Fig. "B" is available for connecting Fig. "A" plugs to two-prong receptacles. The green grounding wire extending from the adapter must be connected to a permanent ground such as to a properly grounded outlet box. No adapter is available for Fig. "C" plugs.

Extension Cords

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



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 when using KETT Panel Cutting Saws as you should 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 for changing saw blades.

Disconnect Tools

When not in use; before servicing; when changing Blades, Brushes, making cutting depth adjustments and positioning the cutting head.

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.

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 saw does not operate check the following: supply line for blown fuses; plug and receptacle for contact; carbon brushes for excessive wear or poor contact.

Operating Instructions

Read and heed safety rules. Bear in mind KETT Saws are recommended for cold rolled sheet steel up to 16 gage. To cut heavier gage steel invites blade mortality and damage to the motor by overtaxing the tool.

Be sure the work piece is securely held unless it will remain secure due to its own weight or bulk. Grasp the tool with both hands, one around the handle where the trigger switch is located, the other around the neck or sleeve which holds the cutting head in position. Before starting the motor place the shoe of the tool at the edge of the material to be cut.

Make certain the saw guard is set to depress to the desired depth. Be sure the shoe is flat or level and ready to make full contact with the surface to be cut. The scribed line to be cut should appear in the vee type gunsight on the saw guard.

DO NOT REMOVE SAW GUARD. BE CERTAIN THAT SAW GUARD IS FIRMLY IN PLACE BEFORE STARTING.

Squeeze the trigger switch and set the blade in motion. Slowly push the saw forward until the blade makes contact and starts to cut. Gradually increase pressure until blade is cutting at full capacity at a uniform speed without the feel of being forced or slowing to a stall. Keep the blade perpendicular to the cut and the feed at a constant speed. Do not jerk or suddenly thrust tool in cut and do not rock tool from side to side so as to bind blade in the cut. When blade starts cutting it is more desirable to "crowd" the rate of feed to attain efficient cutting speed rather than to hold back and permit the blade to "dwell" in the cut.

Shut off the power the moment the saw has completed the cut through the sheet. If the cut is to be ended within the boundary of the sheet, bring the saw up to the end of the cut, hold firmly, shut off the power and let it coast to a full stop. Then lift the saw from the cut. **NEVER BACK UP THE SAW IN THE CUT WITH THE POWER ON AND THE BLADE IN MOTION.** This is the most frequent cause of broken blades and can result in more serious damage to the tool.

For plunge cutting, that is, starting a cut within the perimeter or boundaries of a sheet see the explicitly detailed instructions in the operation and service manual.

Where conditions permit, blade life can be extended and cutting efficiently improved through the use of a lubricant such as a grease stick, wax or tallow, or even cutting oil. It is recommended to practice cutting with the KETT Saw on scrap material until a knack of using the tool is acquired.

Maintenance

Tool may be cleaned and lubricated and brushes checked for wear and replaced if necessary by the user. Repairs however should be performed by the manufacturer or by any authorized representative or repair 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 the 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 KETT Portable Power Panel Saw from power source before lubricating

Motors are packed with lubricant to give 300 hours service. At the end of this period the gear case and the armature bearings should be checked and lubricant added if necessary.

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 spindle with a cleaning fluid but **DO NOT WASH THE BEARINGS**. Refill the gear case **ONLY HALF FULL** with a good standard gear grease. Never fill more than half. Bearings should never be immersed in a solvent or cleaning fluid.

A light, compact unit such as the KETT Saw necessarily has small gears and shafts. Extremely rugged for its size, the KETT Saw is more than adequate for normal use. However, as with all fine tools, care is essential for long life and best performance.

The saw spindle and gears should be lubricated after every 25 to 30 hours use. Inject a light cup grease into the grease opening covered by screw plug 181-2 in the bottom of the geared right angle transmission head. Tubes of grease are available from stock. Specify 264-1 two ounce tube Non-Fluid Oil.

Adherence to these maintenance instructions will greatly increase the life of your saw so it will give you long and satisfactory service.

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