WORKSITE

239-1495



ELECTRIC CHAIN SAW SHARPENER

Operator's Manual

SAVE THIS MANUAL

You will need this manual for safety instructions, operating procedures and warranty. Put it and the original sales receipt in a safe dry place for future reference.

For questions about this product, Please call 1-866-915-8626

IMPORTANT SAFETY INSTRUCTIONS

WARNING: *When using electric tools, machines or equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury.*



READ ALL INSTRUCTIONS BEFORE USING THIS TOOL

1. **KEEP WORK AREA CLEAN.** Cluttered areas can cause injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp, wet, or poorly lit locations. Don't expose tools to the rain. Keep the work area well lit. Don't use tools in the presence of flammable gases or liquids.
3. **KEEP CHILDREN AND BYSTANDERS AWAY.** All children should be kept away from the work area. Don't let them handle machines, tools or extension cords. Bystanders can be a distraction and can be injured.
4. **GROUNDED TOOLS** must be plugged into an outlet that is properly installed and grounded. Grounding provides a low-resistance path to carry electricity to the ground away from the operator, should the tool malfunction electrically. Do not remove the grounding prong from the plug or alter the plug in any way. If in doubt as to whether the outlet is properly grounded according to code, check with a qualified electrician.
5. **OBSERVE PROPER PRECAUTIONS REGARDING DOUBLE INSULATION.** This tool is double insulated. It is equipped with a polarized plug.One blade is wider than the other, so it will fit into a polarized outlet only one way. If you have difficulty inserting the plug, try reversing it. If it still doesn't fit , do not alter the plug; have a qualified electrician install a polarized outlet.
6. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces: pipes, radiators, ranges, and refrigerator enclosures. When your body is grounded the risk of electric shock increases. When working wher ever "live" electrical wires may be encountered, try to ascertain whether there is a danger of shock. DO NOT TOUCH ANY METAL PARTS OF THE TOOL while using it. Hold the tool only by the plastic grip to prevent electric shock if you contact a live wire.
7. **DO NOT MISUSE THE CORD.** Never carry your tools by the cord or pull on the cord to unplug it. Protect the cord from potential sources of damage: heat, oil & solvents, sharp edges, or moving parts. Replace damaged cords immediately.
8. **WHEN WORKING OUTDOORS, USE AN OUTDOOR-RATED EXTENSION CORD.** An extension cord rated for outdoor use must be marked "W-A" or "W".
9. **DO NOT EXPOSE ELECTRICAL POWER TOOLS TO MOISTURE.** Rain or wet conditions can cause water to enter the tool and lead to electric shock.
10. **ENSURE THE EXTENSION CORD YOU USE IS OF SUFFICIENT GAUGE FOR ITS LENGTH.**

Recommended Minimum Wire Gauge for Extension Cords

Amps from Tool Nameplate	25' length	50' length	75' length	100' length	150' length	200' length
0-5 amps	16 ga.	16 ga.	16 ga.	14 ga.	12 ga.	12 ga.
5.1-8 amps	16 ga.	16 ga.	14 ga.	12 ga.	10 ga.	Do Not Use
8.1-12 amps	14 ga.	14 ga.	12 ga.	10 ga.	Do Not Use	Do Not Use
12.1-15 amps	12 ga.	12 ga.	10 ga.	10 ga.	Do Not Use	Do Not Use
15.1-20 amps	10 ga.	10 ga.	10 ga.	Do Not Use	Do Not Use	Do Not Use

11. **STORE IDLE EQUIPMENT.** Storeequipment in a dry area to inhibit rust. Equipment also should be in a high location or locked up to keep out of reach of children.
12. **DON'T FORCE THE TOOL.** It will do the job better and more safely at the rate for which it was intended.
13. **USE THE RIGHT TOOL.** Don't force a small tool or attachment to do the work of a larger industrial tool. Don't use a tool for a purpose for which it was not intended.
14. **DRESS PROPERLY.** Don't wear loose clothing or jewelry; they can becaught in moving parts. Protective, non-electrically conductive gloves, protective eyewear and non-skid footwear are recommended. Wear protective hair covering to contain long hair and keep yourself from harm.

IMPORTANT SAFETY INSTRUCTIONS

15. **USE EYE PROTECTION.** Use a full-face mask if the work you're doing produces metal filings, dust or wood chips. Goggles are acceptable in other situations. Wear a clean dust mask if the work involves creating a lot of fine or coarse dust.
16. **SECURE WORK.** Use clamps or a vise to hold the work. It's safer than using your hands and it frees both hands to operate the tool.
17. **DON'T OVERREACH.** Keep proper footing and balance at all times. Do not reach over or across machines that are running.
18. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. For safe performance, keep handles dry, clean and free from oil and grease.
19. **AVOID UNINTENTIONAL STARTING.** Be sure the switch is in the **OFF** position before plugging in.
20. **ALWAYS CHECK AND MAKE SURE TO REMOVE ANY ADJUSTING KEYS OR WRENCHES** before turning the tool on. Left attached, these parts can fly off a moving part and result in personal injury.
21. **DO NOT USE THE TOOL IF IT CANNOT BE SWITCHED ON OR OFF.** Have your tool repaired before using it.
22. **DISCONNECT THE PLUG FROM POWER BEFORE MAKING ANY ADJUSTMENTS.** Changing attachments or accessories can be dangerous if the tool could accidentally start.
23. **STAY ALERT.** Watch what you are doing & use common sense. Don't operate any tool when you are tired.
24. **CHECK FOR DAMAGED PARTS.** Before using this tool, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mountings, and other conditions that may affect its operation. Inspect screws and tighten any ones that are loose. Any part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in the instruction manual. Have defective switches replaced by an authorized service center. Don't use the tool if switch does not turn it on and off properly.
25. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
26. **SERVICE AND REPAIRS** should be made by qualified repair technicians at an authorized repair center. Improperly repaired tools could cause serious shock or injury.

ADDITIONAL SAFETY PRECAUTIONS

1. Do not use a grinding wheel if it is chipped, cracked, or worm. You can check if the wheel has cracks not visible to the human eye by hanging it up by the central hole and tapping it with a non-metal object (Ie: screwdriver handle). If it is in good condition it will produce a metallic sound. A dull sound indicates a crack or break
2. Only use grinding wheels that fit the Arbor (7/8").Do not try to change or modify the mounting hole on a grinding wheel to make it fit. Grinding wheel replacements are available at Harbor Freight Tools.
3. Do not overtighten the Grinder Lock Cap (#9). Hand tighten it only. Overtightening may cause the wheel to break or disintegrate.
4. Never use the Chainsaw Sharpener without the Grinding Wheel Cover(#11) in place.
5. Always test the Grinding Wheel (8#) by running it for a minute prior to contact with a chain.

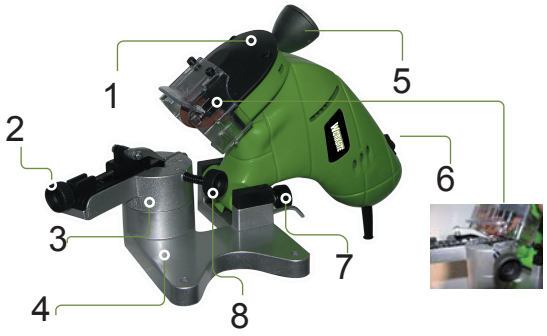
SPECIFICATIONS

• Motor	120V~60Hz
• No load speed	3000 rpm
• Vise Capacity	0.8” to 0.5”
• Table / Vise Angles	35° right to left
• Arbor Diameter	7/8”
• Wheel Dimensions	4”dia.×1/8”thick
• Overall Dimensions	9”W×10”L×12-1/8”H
• Weight	4.84LBS

- Includes one 4'' x 1/8'' grinding wheel
- Bonus wheel

FUNCTION DESCRIPTION

1. Safety Guard
2. Fine-adjustment Knob
3. Angular Scale
4. Aluminum Base
5. Handle
6. On/off Switch
7. Lower Knob
8. Clamp Knob



ASSEMBLY

Unpacking
When unpacking, check to make sure the parts listed on page 9 are included.

1. When installing the sharpener on a workbench, make sure that the Lock Wheel (#18) is accessible, as shown in the mounting picture in FIGURE 1.
2. Bolt (bolts not included) the unit directly to the workbench through the two 1/4” holes on the Base (#17). The workbench must have a solid surface capable of sup-porting the weight of this product, the workplace and assorted tools, See FIGURE 2.

FIGURE 2



FIGURE 1



ASSEMBLY

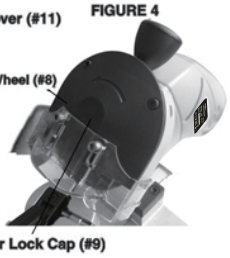
Warning! Always unplug the unit before changing grinding wheels, or when making any adjustments to the Sharpener.

Mounting a Grinding Wheel.
Refer to the Assembly Drawing on page 10 and FIGURE 3 and FIGURE 4 below.
1.Raise the Top Housing (#4) and lock it in the up positon by tightening the Lock Stop (#6).
2.Remove the two screws holding the Grinding Wheel Cover (#11). Set the cover aside.
3.Unscrew the Grinder Lock Cap (#9) that holds the Grinding Wheel (#8) in place.
4.Install the new wheel on the Grinding Wheel Base (#7), making sure it fits properly.
Note: Do not use a grinding wheel if it is chipped, cracked, or worn. You can check if the wheel has cracks not visible to the human eye by hanging it up by the central bole and tapping it with a non metal object (Ie: screwdriver handle). If it is in good condition it will produce a metallic sound. A dull sound indicates a crack or break.
5.Replace the Grinder Lock Cap (#9).
6.Replace the Grinder Wheel Cover (#11).
7.Release the Lock Stop (#6) and lower the Top Housing (#4).
8.Never operate tool without the Grinding Wheel Cover in place.

FIGURE 3



FIGURE 4



OPERATING PROCEDURES

Warning! Always unplug the unit while adjusting chain to be sharpened.

Refer to the Assembly Drawing on page 10 and the various photographs

Note: Raise the Top Housing (#4) while adjusting the chain.

1.Clean the chain before sharpening. Wash it with a non-flammable solvent. Do not use gasoline. Dry the chain.

OPERATING PROCEDURES

Operation (continued)

2. Lift up the Chain Stop (#23) and secure the chain in the Sliding Guides (#31). See FIGURE 6.
3. Lower the Chain Stop (#23) so that it is positioned on the tooth (cutter) you want to start with. See FIGURE 5.

FIGURE 5

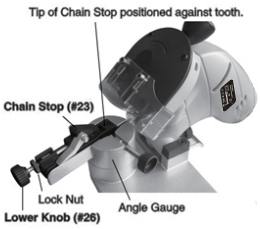
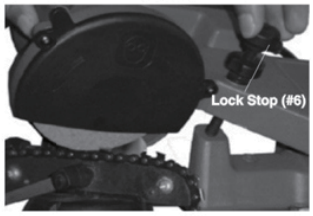


FIGURE 6



4. See FIGURES 5&6. Loosen the Lock Wheel (#18) to allow entire housing to turn. Rotate the housing to match the degree of angle you need on the Angle Gauge. Chains come in various sizes with varying degrees of sharpen-ing angles. Check with your chain manufacturer's manual to determine what degree you need to sharpen at. Once the degree is set, tighten the Lock Wheel (#18).
5. Lower the Top Housing (#4) so that the Grinding Wheel (#8) skims the chain tooth.
6. Hold it at that position while you tighten the Lock Stop (#6) so that the wheel will only go down to that point. See FIGURE 7.
7. Depending on the amount of material you wish to remover, tighten or loosen the Lower Knob (#26) and set the Lock Nut. See FIGURE 5. The Lower Knob (#26) has a Lock Nut which will determine how much material is removed. Once you set the Lock Nut, fully tighten the Lower Knob (#26).

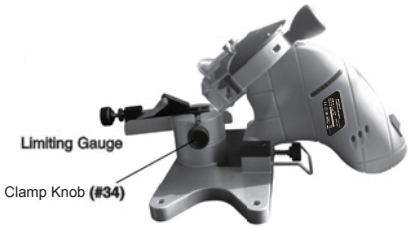
FIGURE 7



8. Lock the chain in the Sliding Guides (#31) by turning the Clamp Knob (#34) should be situated so that you can easily release and tighten it. You will need to release it each time you move to the next link, and tighten it to sharpen each link.

Operation (continued)

FIGURE 8



9. if the chain has been repeatedly sharpened, the chain depth limiting gauges may need to be taken down with a fiat file (not included). See FIGURES 8&9. File down each gauge so that they are at a lower level than the cutting teeth.

FIGURE 9



10. Put on your protective gear and make sure the immediate area is clear of bystanders.
11. Plug in the Power Cord (#3) and push the green button on the Switch plate (#5) to turn on the machine.
12. Slowly lower the grinding wheel as shown in FIGURE 10. if you notice slight errors in your settings, turn off the unit and unplug it before you make your adjustments.
    Note: A Good grind occurs when the contact between the wheel and the teeth are gradual and smooth. Do not stop too long on each tooth.
13. After sharpening one tooth, turn off the machine. Lift the Top Housing (#4),release the Handle (#34),and move the chain so that the next link is positioned in the Chain Stop (#23). Tighten the Handle (#34), and move the chain so that the next link is positioned in the Chain Stop (#23). Tighten the Handle (#34). Turn the machine back on and continue sharpening the next tooth. Repeat this process until you have sharpened all of the links set up for this angle.

FIGURE 10



Operation (continued)

14. After you finished sharpening all of the teeth set for your current angle, turn off the machine by pushing the red button on the Switch Plate (#5) and unplug the unit. See FIGURE 11
15. Loosen the Lock Wheel (#18) and reset the angle so that the first tooth that hasn't been sharpened is positioned against the Chain Stop (#23) and locked in as explained on page 6.
16. As you did with the first half of the chain, be sure to lower the Top Housing (#4) so that the Grinding Wheel (#8) skims the chain tooth, and lock it in place, See page 6. Follow all of the steps on page 6 double checking everything before you plug in the machine and turn it on again.

    Remember to turn off the machine and unplug it if you need to make any adjustments.
17. After you repeat all of the steps under Sharpening on page 7, your chain is ready to be mounted on your saw.

MAINTENANCE

Maintenance

1. Keep the Sharpener clean and free of dust, metal debris and dirt.
2. Check the Grinding Wheel before each use to make sure it isn't damaged. Do not use a grinding wheel if it is the central hole and tapping it with a non metal object (Ie: screwdriver handle). If it is in good condition it will produce a metallic sound. A dull sound indicates a crack or break.
3. Replace the Grinding Wheel when it grinds down to a diameter of 3 inches.

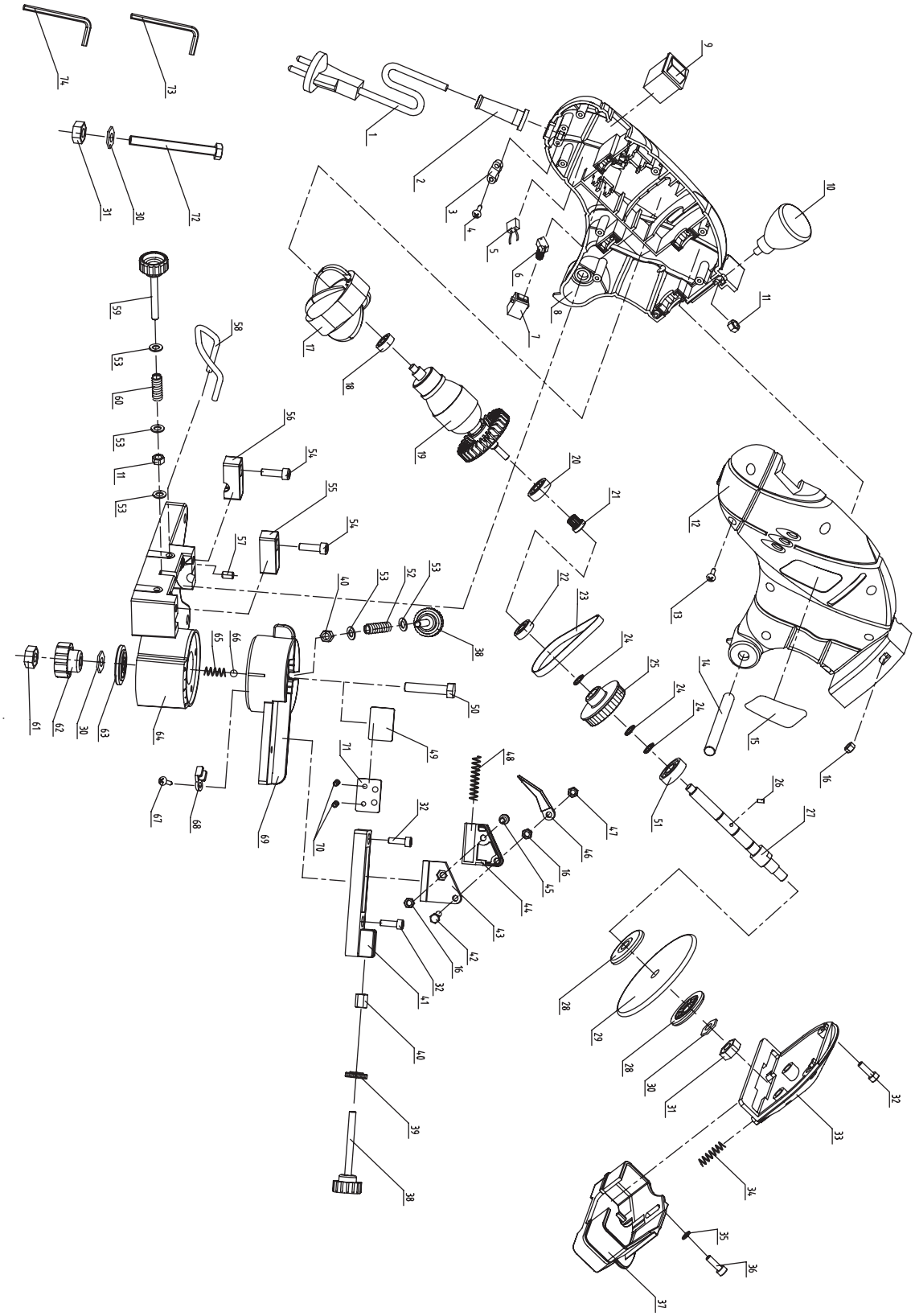
PARTIS LIST

Please refer to the schematic drawing, p.10

NO	DESCRIPTION	QTY
1	Cable	1
2	Cable armor	1
3	Cable Sleeve	1
4	ST4 X 14	2
5	Capacitance 0.33μF	1
6	Carbon brush	2
7	Carbon brush holder	1
8	Electromotor shuck	1
9	Switch	1
10	Handgrip sheath	1
11	Nut M6	5
12	Electromotor shuck	1
13	St4 x 16	8
14	Axis	1
15	Plotting	1
16	Nut m5	8
17	Stator	1
18	Bearing 608z	1
19	Rotor	1
20	bearing 608z	1
21	Small zonal wheel	1
22	Bearing 607z	1
23	Transmission zonal	1
24	Retainer ring 10	3
25	Big zonal wheel	1
26	Dowel 3 x 5	1
27	Dutput spindle	1
28	Press board	2
29	Grnding wheel[ø100]	1
30	Gasket 8	4
31	Nut M8	3
32	Bolt M5 X 16	2
33	Protcet cover	1
34	Clamp knob	2
35	Gasket 5	2
36	Bolt M5 X 20	2
37	Passport	1

NO	DESCRIPTION	QTY
38	Adjust bolt (1)	2
39	Nut M6	1
40	Nut M6 X 12	2
41	Bracket	1
42	Bolt M5 X 35	1
43	Left slip piece	1
44	Right slip piece	1
45	Bolt M5 X 10	1
46	Block piece	1
47	Nut M5	1
48	Spring (1)	1
49	Saw press board	2
50	Bolt M8 X 50	1
51	Bearing 6000z	1
52	Spring (2)	2
53	Gasket 6	5
54	Bolt M6 X 16	2
55	Right press board	1
56	Left press borad	1
57	Bolt M6 X 12	1
58	Bracket	1
59	Adjust bolt (2)	1
60	Spring (3)	1
61	Nut M8	1
62	Locknut	1
63	Orientatior board	1
64	Base	1
65	Spring	1
66	Steel ball SØ5	1
67	Bolt M4 X 10	1
68	Splint	1
69	Turning dais	1
70	Spring	2
71	Press board	1
72	Bolt M8X80	1
73	Wrench (4x22x60)	1
74	Wrench (4x22x65)	1

SCHEMATIC DRAWING



WARNING *Repairs should be made by an authorized repair center. Do not open or disassemble this power tool. Contact at* 1-866-915-8626 *for questions regarding this power tool.*

WORKSITE® ELECTRIC CHAIN SAW SHARPENER WARRANTY

1-YEAR LIMITED WARRANTY:

This WORKSITE® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If the tool fails within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, WORKSITE ® agrees to have the tool replaced with the same or similar WORKSITE ® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse or misuse of the Merchandise. This warranty: (1) excludes expendable parts including but not limited to blades, belts, bits, light bulbs, and/or batteries; (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this Merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the Merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts –
Please call toll free at: 1-866-915-8626 (M-F 8am – 6pm)

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.