

**FAITHFULL®**  
QUALITY TOOLS

FPP CHAINSS

# Electric Chainsaw Sharpener



## Instruction Manual

For your own safety, please ensure you have read these instructions before use and have fully understood all the safety guidelines.

## Specifications

Motor	230V, 50Hz, 85 Watts
RRM	4,800
Vice Capacity	0.80" to 0.50"
Table Vice Angles	35 Degrees Right to Left
Arbor Diameter	22mm (7/8")
Wheel Dimensions	115 Dia. x 3mm Thick (4 <sup>1</sup> / <sub>4</sub> " x 1/8")
Overall Dimensions	W 230 x L 250 x H 308mm ( 9" x 10" x 12 <sup>1</sup> / <sub>8</sub> " )
Weight	2kg (4.85lbs)

### Save this manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep the manual in a safe and dry place for future reference.

### Safety Warnings and Precautions

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

#### READ ALL THE INSTRUCTIONS BEFORE USING THIS TOOL

1. **Keep the work area clean.** Cluttered areas invite injuries.
2. **Observe work area conditions.** Do not use machines or power tools in damp or wet locations. Don't expose to rain. Keep the work area well lit. Do not use electrically powered tools in the presence of flammable gasses or liquids.
3. **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
4. **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
6. **Dress properly.** Do not wear loose clothing or jewellery as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-slip footwear are recommended when working. Wear restrictive hair covering to contain long hair
7. **Use eye and ear protection.** Always wear approved impact safety goggles. Wear a full face shield if you are producing metal filings or wood chips. Always use a BS or EN approved safety products, we recommend Scan Safety Products, information available at [www.scan-safety.com](http://www.scan-safety.com).
8. **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.

9. **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have them repaired by an authorised technician. The handles must be kept clean, dry and free from oil and grease at all times.
10. **Avoid unintentional starting.** Be sure the switch is in the Off position when not in use and before plugging in. **NO VOLT RELEASE SWITCH** For your safety this machine is fitted with a no volt release switch and will not restart automatically if the power supply is interrupted. After a power failure the green button must be pressed to resume operation of the motor.
11. **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
12. **Check for damaged parts.** Before using any tool it should be checked for damaged or worn parts. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the tool if any switch does not turn On and Off properly.
13. **Guard against electric shock.** Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerator enclosures. We always recommend the use of a RCD Residual-Current Device to provide full protection against electric shock when using power tools.
14. **Replacement parts and accessories.** When servicing, use only genuine replacement parts. Use of any other parts will void the product warranty. Only use accessories intended for use with tool.
15. **Do not operate tool if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.
16. **Use proper size and type extension cord.** If an extension cord is required, it must be of the proper size and type to supply the correct current to the tool without over heating. This tool requires use of an extension cord of 10 amps minimum capacity.
17. **Maintenance.** For your safety, maintenance should be performed regularly by a qualified technician.
18. **Never use the Electric Chainsaw Sharpener around flammable materials.**

**Warning: The warnings, cautions and instructions in this manual cannot cover all the possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator of the tool.**

## Additional Safety Warnings

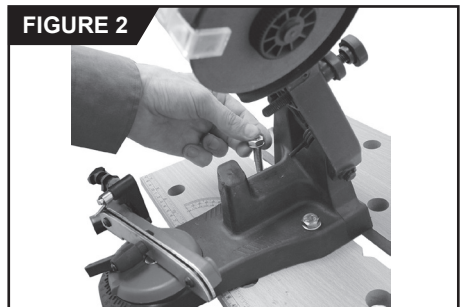
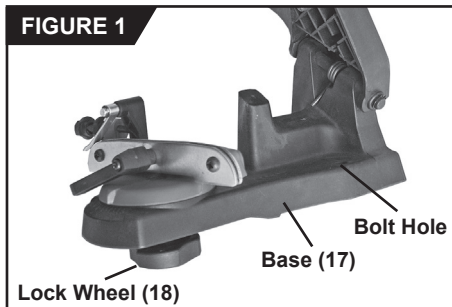
### Grinding Wheel Warnings

1. 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 hole and tapping it with a non-metal object (ie: screwdriver handle). If it is in good condition it will produce a metallic ringing sound. A dull sound indicates a crack or break.
2. Only use grinding wheels that fit the arbor 22mm (7/8"). Do not try to change or modify the mounting hole on a grinding wheel to make it fit.
3. Do not over-tighten the **Grinder Lock Cap (9)**. Hand tighten it only. Over-tightening may cause the wheel to break or disintegrate.
4. Never use the chain saw 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.
6. Keep away from the wheel when it is turning, and make sure no one is standing close, in the line of the wheel rotation trajectory.
7. If the grinding wheel vibrates, turn off the machine immediately and check that it is mounted securely and that is not damaged.
8. Never try to stop the grinding wheel with your hands, even if you are wearing safety gloves. The wheel will cut through gloves and your hand, causing serious injury.
9. Never operate tool without the **Grinding Wheel Cover (11)** in place.
10. Replacement grinding wheel listed speed must meet or exceed RPM rating of the tool.

**Warning!** This machine is designed to sharpen chain saw chains. Do not attempt to sharpen any other tools and do not attempt to grind any other objects.

### Assembly

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 8mm holes on the **Base (17)**. The workbench must have a solid surface capable of supporting the weight of this sharpener, the work-piece and assorted tools. See **FIGURE 2**.



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

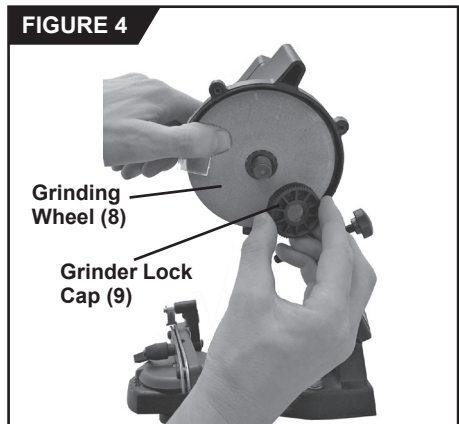
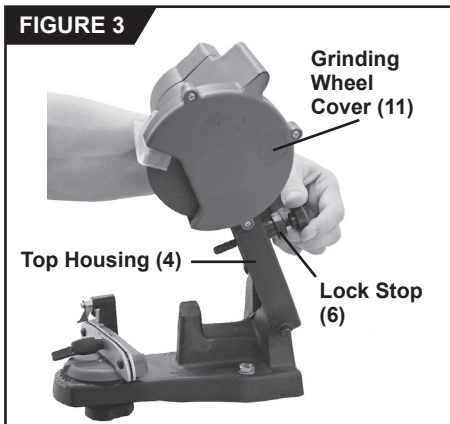
### Mounting a Grinding Wheel

Refer to **FIGURE 3** and **FIGURE 4** below.

1. Raise the **Top Housing (4)** and lock it in the up position by tightening the **Lock Stop (6)**
2. Remove the three 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 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 hole and tapping it with a non-metal object (i.e. screwdriver handle). If it is in good condition it will produce a metallic ringing sound. A dull sound indicates a crack or break.

5. Replace the **Grinder Lock Cap (9)**.
6. Replace the **Grinding Wheel Cover (11)**.
7. Release the **Lock Stop (6)** and lower the **Top Housing (4)**.
8. Never operate tool without the **Grinding Wheel Cover (11)** in place.



### Operation

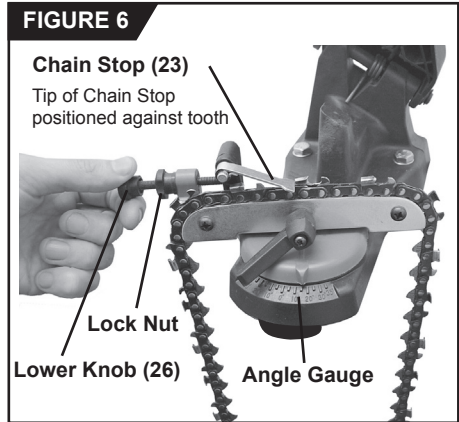
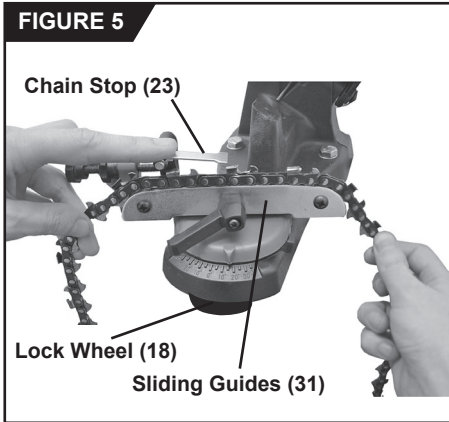
**Warning!** Always unplug the unit while adjusting the chain to be sharpened.

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

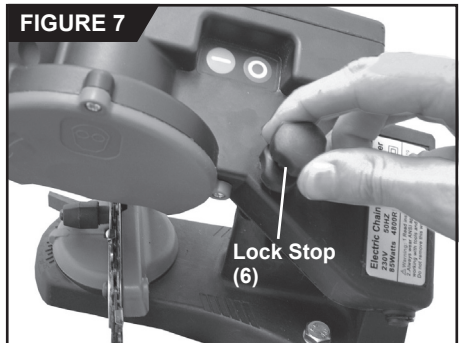
1. Clean the chain with a **NON-FLAMMABLE** solvent before sharpening. Do not use petrol, methylated sprits or similar products to clean the chain.

## Operation (continued)

- Lift up the **Chain Stop (23)** and secure the chain in the sliding **Guides (31)**. See **FIGURE 5**.
- Lower the **Chain Stop (23)** so that it is positioned on the tooth (blade) you want to start with. See **FIGURE 6**.



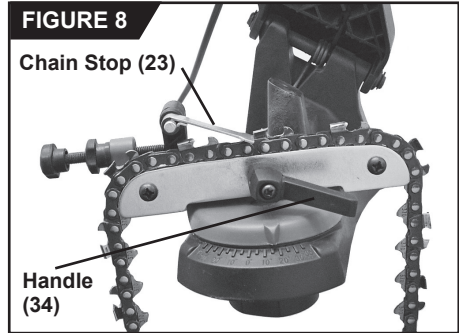
- See **FIGURES 5 & 6**. Loosen the **Lock Wheel (18)** to allow entire housing to turn. Rotate the housing to match the degree of angle you need on the **Angle Gauge**. Chains come in various sizes with varying degrees of sharpening angles: Check with your chain manufacturer's manual to determine what degree you need to sharpen at. Once the degree is set, tighten the **Lock Wheel (18)**.
- Lower the **Top Housing (4)** so that the **Grinding Wheel (8)** skims the chain tooth.
- 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**.
- Depending on the amount of material you wish to remove, tighten or loosen the **Lower Knob (26)** and set the **Lock Nut**. See **FIGURE 6**. 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)**.



## Operation (continued)

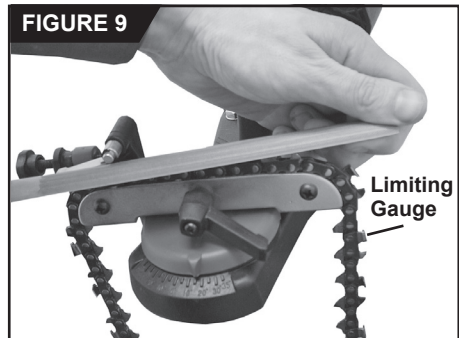
- Lock the chain in the **Sliding Guides(31)** by turning the **Handle (34)**.

See **FIGURE 8**. The **Handle (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.



- If the chain has been repeatedly sharpened, the chain depth limiting gauges may need to be taken down with a flat file (not included).

See **FIGURES 8 & 9**. File down each gauge so that they are at a lower level than cutting teeth.



## Sharpening

- Always wear appropriate clothing and suitable eye protection and make sure the immediate area is clear of bystanders.
- Plug in the **Power Cord (3)** and press the green button on the **Switch Plate (5)** to turn on the machine.
- 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.

- 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)**. 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.





- After you have finished sharpening all of the teeth on the chain, turn off the machine by pushing the red button on the **Switch Plate (5)** and unplug the unit.

**NO VOLT RELEASE SWITCH** For your safety this machine is fitted with a no volt release switch and will not restart automatically if the power supply is interrupted. After a power failure the green button must be pressed to resume operation of the motor.

- 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. See **FIGURE 11**.
- 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 5. Follow all of the steps on page 5 double checking everything before you plug in the machine and turn it on again.

**Remember to turn the machine off and unplug it if you need to make any adjustments.**

- After you repeat all of the steps under sharpening on page 6, your chain is ready to be mounted on your saw.

## Maintenance

- Keep the Sharpener clean and free of dust, metal debris and dirt.
- Check the grinding wheel before each use to make sure it isn't damaged. 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 hole and tapping it with a non-metal object (ie: screwdriver handle). If it is in good condition it will produce a metallic ringing sound. A dull sound indicates a crack or break.
- Replace the grinding wheel when it grinds down to a diameter of 75mm (3 inches).

**Replacement Grinding Wheel: Product Code FPP CHAINSSW**

## Guarantee

The Faithfull electric chainsaw sharpener carries a full one year warranty. If this product becomes defective due to faulty materials or workmanship within 12 months from the date of purchase, we shall at our discretion replace all defective parts without charge, or replace the product free of charge provided that:

The product has not been used in a trade application or for hire purposes.

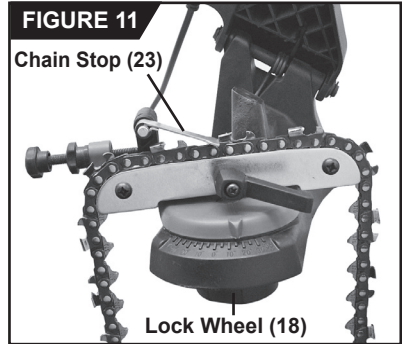
The product has not been subjected to misuse, neglect or used for a purpose that it is not intended for.

The product has not sustained damage to any part, caused by other objects, substances or by accident.

Repairs have not been carried out by unauthorised Faithfull repair agents.

This guarantee is offered as an extra benefit and is additional to consumers statutory rights.

In all instances proof of purchase will be required before any repair or replacement of this product can be provided.



## EC Declaration of Conformity

This product is in conformity with the following standards or standardised documents.

EN 55014-1: 2006

EN 55014-2: 1997/+A1: 2001

EN 61000-3-2: 2006

EN 61000-3-3: 1995/+A1: 2001/+A2: 2005

EMC directive (2004/108/EC)



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