



## Micro Trainings

*(Chop Saw Use)*

**This procedure does not apply to wood miter saws.**

### **Hazards to Watch for:**

- Flying metal particles lodging in the operator's face or eye
- Blade breakage due to excessive force or improper use
- Cuts, punctures due to sharp edges and burrs, burns from hot material
- Excessive noise
- Sparks can travel several feet from work area and ignite nearby material, or flammables and damage finishes
- Hair, clothes, jewelry can get caught in rotating equipment

### **Additional PPE:**

- Face Shield
- Hearing Protection

### **Safe Procedures to Follow:**

- Survey your work area, and consider where your sparks will travel, e.g., finished walls, floors, flammable materials, etc. Protect finishes from sparks
- Set up your cut station in a dry, well-lit, and ventilated area, close to an approved power source. Remove any debris or trip hazards
- Do a visual inspection of the tool and cart, looking for any missing safety guards, damaged parts, faulty cords etc.
- If tool is damaged or faulty, red tag it and remove from service
- It is never acceptable to remove a guard for any reason
- Before use, inspect the blade for any flaws or cracks. If a crack or flaw is evident, discard the wheel



## Micro Trainings

*(Chop Saw Use)*

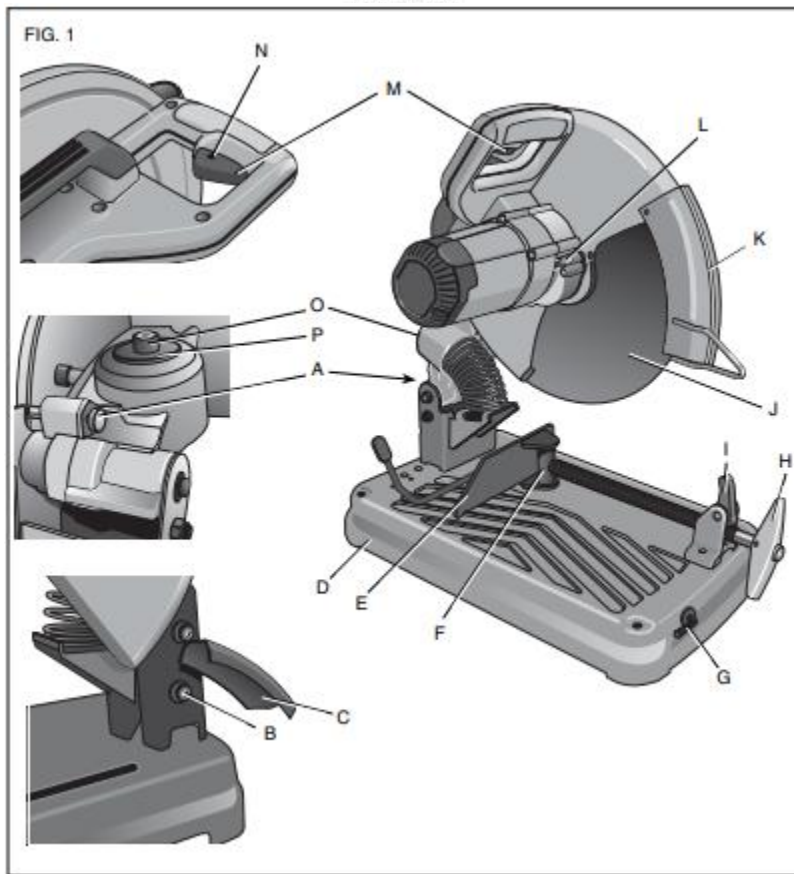
- Never start the tool with a person in line with the wheel. This includes the operator
- During operation, avoid bouncing the wheel or giving it rough treatment. If this occurs, stop the tool, and inspect the wheel for cracks or flaws
- Clean your chop saw station regularly and at the end of the workday
  - Unplug the saw before removing any pieces from the base
  - Always unplug the tool before changing blade, changing fence angle, or moving the saw
- Always keep hands and material away from the wheel until it has come to a complete stop
- Use only 14" type-1 wheels rated at 4100 rpm or higher
- Allow cut off parts to cool before handling
- Do not attempt to cut wood or plastic with this tool
- Do not use the side of the abrasive wheel as a deburring grinder. This will substantially weaken the wheel creating an unsafe condition. The wheel may come apart
- Do not force the tool. It will do the job better and safer at the rate for which it was designed
- Use a proper extension cord. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating



FRED SHEARER & SONS, INC.

ESTABLISHED 1916

CCB# 357



***A typical metal chop saw is shown in (Fig. 1)***

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| <b>A. Lock pin</b>              | <b>I. Vise lever</b>              |
| <b>B. Spark deflector screw</b> | <b>J. Wheel</b>                   |
| <b>C. Spark deflector</b>       | <b>K. Spark guard</b>             |
| <b>D. Base</b>                  | <b>L. Wheel lock lever</b>        |
| <b>E. Fence</b>                 | <b>M. Trigger switch</b>          |
| <b>F. Vise</b>                  | <b>N. Padlock hole</b>            |
| <b>G. 8mm Allen wrench</b>      | <b>O. Extra blade bolt</b>        |
| <b>H. Crank</b>                 | <b>P. Extra blade bolt washer</b> |



FRED SHEARER & SONS, INC.

ESTABLISHED 1916

CCB# 357

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |