

OPERATING INSTRUCTIONS FOR CMS80 USERS

- 4)  **Open fuel shut-off valve. Move choke control to CHOKE or START position.**

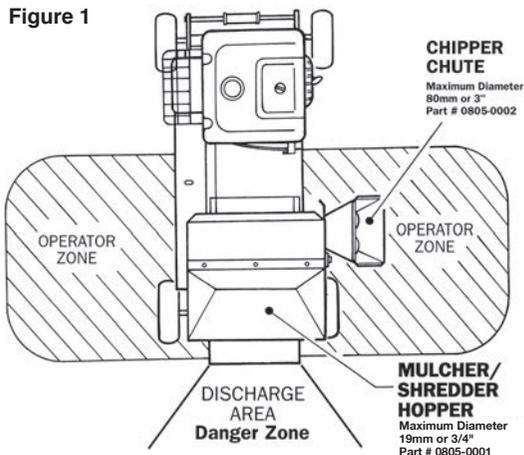
Note: Choke must fully close. Move throttle control to RUN or FAST position. If engine is equipped with rocker style stop switch, push RUN or I (I = Ignition) before starting. Rewind Starter: Grasp rope handle and pull slowly until resistance is felt to prevent kickback. Then pull cord rapidly to overcome compression, and start engine. Repeat if necessary with choke off and throttle control at maximum rpm (FAST position). Operate the engine at maximum rpm (FAST position).



- 5) **MULCHER/SHREDDER HOPPER** (See Figure 1) As the engine ignition begins, the engine shaft operates freely until approximately 1600 rpm at which speed the centrifugal clutch engages and begins driving the rotor. Proper rotor rpm is 2900 rpm with a plus or minus tolerance of 100 rpm. In this condition you have four rows of hammers literally cutting or beating material until it reaches such fractinal size as, to allow it to pass through the grinding screen. The grinding screen retains the material within the grinding chamber for several seconds until the free-swinging hammers have rotated several times. The number of cuts by the hammers and, of course, retention time within the chamber varies with each type of organic material.
- 6) **CHIPPER HOPPER** (See Figure 1) Branches are fed into the side hopper for chipping. One at a time if they are thicker than 50mm, several together if of small diameter. The throat opening is approximately 80mm (3 $\frac{1}{2}$ " square, side chutes or side branches may have to be trimmed from the main stalk before the chipping process occurs. Short stubs of branches may be pushed through the chipper section with the next branch. Never assume to know the location of the blades and try to process short branches by hand. **BE SAFE, KEEP YOUR HANDS AWAY FROM THE CHIPPING BLADE AND ROTATING HAMMERS.**

- 7)  **CAUTION: IF MULCHER/SHREDDER CHUTE CLOGGS WITH MATERIAL, STOP THE ENGINE IMMEDIATELY TO PREVENT CLUTCH DAMAGE.**

Figure 1



- 8) Do not allow an accumulation of processed material to build up under the discharge of the shredder as this may prevent shredded material to discharge and will result in clogging. Operate the machine at maximum rpm's (fast position).
- 9)  **NEVER ALLOW YOUR HANDS OR ANY PART OF YOUR BODY OR CLOTHING INSIDE THE MULCHER/SHREDDER/HOPPER OR CHIPPER CHUTE OR DISCHARGE AREA OF THE MULCHER/SHREDDER**
- 10) **Always stand clear of the discharge area when the shredder is running. Never reach into this area. (See Figure 1).**
- 11) **Keep your face and body back from the feed hopper to avoid being struck by any material that may bounce back. Do no over-reach, keep proper balance and footing.**
- 12) **Stop Engine:** Do not move choke control to CHOKE position to stop engine. Backfire or engine damage may occur, Move throttle control to SLOW position, then push rocker switch to 0 (STOP).

AFTER USE

- 1)  Turn fuel tap to "OFF" position.
- 2)  Allow machine to cool down. Wash mud and dirt off of the stump grinder. Ensure no water enters the carburettor.



SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS



CMS80FW CMS80T CHIPPER/MULCHER/SHREDDER

 **RED ROO.com**
Commercial Environmental Equipment

Online Demonstration Available at:
www.redroo.com/products/mulcher

SAFETY PRECAUTIONS FOR CMS80 USERS

USE COMMON SENSE AND PLENTY OF IT OPERATOR MUST BE TRAINED

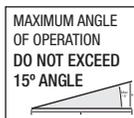
- 1)  **DO NOT** allow any person to operate the chipper mulcher shredder without first reading and understanding the safety precautions and operating instructions.
KNOW THE CONTROLS AND HOW TO STOP THE CHIPPER MULCHER SHREDDER IN CASE OF AN EMERGENCY.
- 2) **NEVER** allow **CHILDREN** or **UNTRAINED ADULTS** to operate the chipper mulcher shredder.

- 3) **PPE (PERSONAL PROTECTION EQUIPMENT) IS MANDATORY** 

before operating this machine. **ALWAYS** wear protective clothing when operating the chipper mulcher shredder. This includes, but not limited to; safety glasses, loose fitting gloves, steel capped boots and hearing protection. Never wear loose fitting clothing or jewelry when operating the chipper mulcher shredder. Keep all clothing away from moving parts. Clothing could become caught in the machine resulting in injury. 

- 4) **ALWAYS** operate the chipper mulcher shredder in a well-lighted area.

- 5) **NEVER** operate the chipper mulcher shredder on an angle that exceeds 15° degrees. Keep your work area clear and free of debris.



- 6) **NEVER** operate the chipper mulcher shredder when fatigued. **ALWAYS BE ALERT!** If you get tired while operating the chipper mulcher shredder take a break. If you have any type of physical or mental condition that may be aggravated by strenuous work, consult with your physician before operating this piece of equipment. **NEVER** operate the chipper mulcher shredder under the influence of medication, alcohol or drugs.

- 7)  **DO NOT** allow other adults, children or animals near the chipper mulcher shredder. **IT IS THE RESPONSIBILITY OF THE OPERATOR** to keep bystanders and animals a minimum of 6 metres (18ft) away from the chipper mulcher shredder while in operation.

- 8)  **ALWAYS KEEP YOUR HANDS, FEET AND BODY AWAY FROM THE DISCHARGE ZONE AREA WHILE THE ENGINE IS RUNNING.** 

- 9)  **NEVER** operate the chipper mulcher shredder without the safety guards in place and in good working order. Always keep the chipper mulcher shredder well maintained and in good working order.

- 10) **DO NOT LEAVE THE MACHINE UNATTENDED WHILE THE ENGINE IS RUNNING.**

- 11) **DO NOT** over speed the engine or alter the governor settings. Excessive speed is dangerous and will shorten engine life.

- 12)  **NEVER OPERATE THE CHIPPER MULCHER SHREDDER IN AN ENCLOSED AREA.** Engine exhaust contains carbon monoxide, an odourless and tasteless poison that can kill.

- 13)  **STOP** the engine, disconnect the spark plug leads and allow engine to cool before inspecting or performing maintenance.

- 14)  **REFUELLING**
* **Shut off engine. DO NOT REFUEL AN ENGINE WHILE OPERATING MACHINE!**

- * **ALLOW** engine to cool down. Minimum 5 minutes.
- * **USE UNLEADED FUEL ONLY.**
- * **USE CLEAN FRESH UNLEADED FUEL.**
- * Do not mix oil with unleaded fuel.
- * Do not over-fill fuel tank. Allow space for fuel expansion.
- * Do not smoke.
- * Allow no naked flame or hot material in refuelling area.
- * Use only approved fuel containers and funnels.

REMEMBER FUEL IS A POTENTIAL FIRE HAZARD/HANDLE WITH CAUTION

safety
IS EVERYBODY'S BUSINESS
...now

You alone know the operational demands and special conditions affecting the equipment in your situation and therefore assume the responsibility for developing, carrying out, and enforcing the safety concepts which apply to your own operation to effect the greatest safety for yourself and the people around you.

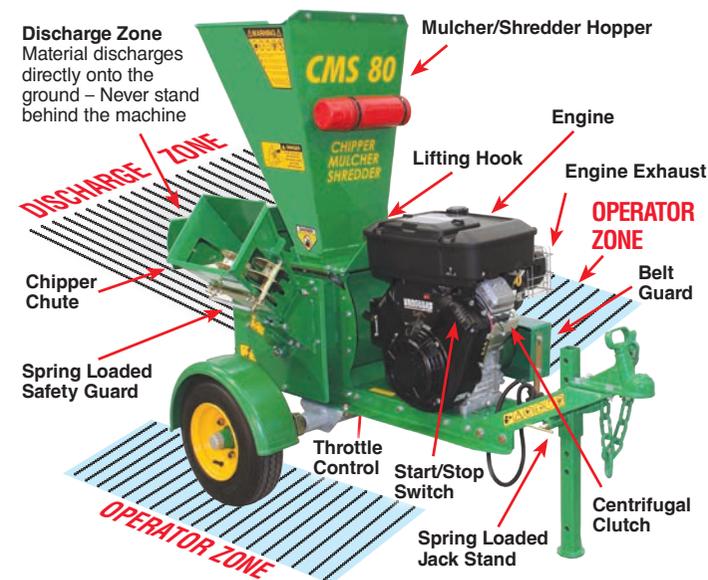
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P/N 1301-0021

"The Right Way to Rent"

“STAY ALERT – DON’T GET HURT”



OPERATING INSTRUCTIONS FOR CMS80 USERS

TRANSPORT

- 1) **DO NOT** exceed 80kms per hour (50mph) when towing the CMS80. Always use extreme caution when towing.

BEFORE USE

- 1)  **WARNING:** Before starting engine, inspect the chipper and mulcher shredder hoppers and remove any foreign debris or branches. Perform a thorough visual inspection of the chipper mulcher shredder and the chipper disc drive system.

OPERATION

- 1) Familiarize yourself with the chipper mulcher shredder and its controls.
- 2) Wear safety glasses, or helmet and visor combination, loose fitting gloves, hearing protection and steel capped boots. 
- 3) No foreign objects such as stones, steel, cans, glass, wire, rope or nails should be fed into the machine, as damage will occur.