




OPERATING INSTRUCTIONS FOR SH400 USERS

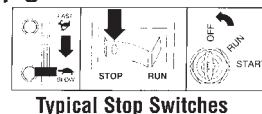
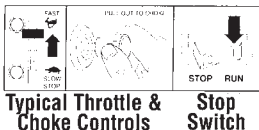
- 1) Remove the stump grinder from its carrying vehicle or trailer. **ALWAYS USE CAUTION** 
- 2) Familiarize yourself with this stump grinder and its controls. Learn where all engine controls are and be prepared to stop this machine quickly in case of emergency.
- 3) **PPE (PERSONAL PROTECTION EQUIPMENT) IS MANDATORY BEFORE OPERATING THIS MACHINE.** Wear safety glasses or helmet and visor combination, loose fitting gloves, hearing protection, and steel caps boots when operating this machine.
IGNITION: Must be in "ON" position to start. "OFF" to stop. Hold/Depress down the operator presence (OPC) bar before starting/cranking the engine. The OPC bar is designed as a safety feature. The engine will not start or operate without holding down/depressing the OPC bar. See figure 1. **NEVER DISABLE THIS SAFETY FEATURE.**
- 4)  Open fuel shut-off valve. Move choke control to CHOKE or START position.
 Choke must fully close. Move throttle control to RUN or FAST position. If engine is equipped with rocker style switch, push RUN or I (I = Ignition) before starting. Rewind Starter: Grasp the Engine Pull Cord 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 in FAST position. Operate engine in FAST position. (Maximum rpm's)
- 5) Manoeuvre the stump grinder to the area where the stump is to be removed. This can be done by pushing the stump grinder to the stump.
- 6) Position the stump grinder so that the grinding disc is just over the front edge of the stump. Set the wheel brake on the right hand side of the stumpgrinder this will brake both wheels. Adjust the operator handle to achieve better leverage depending on the height of the stump. Lift and secure the main body release pin located right in front of the wheel brake, this will allow the body of the machine to pivot from side to side.
- 7) Use the throttle control lever to gradually increase the engine RPM to maximum speed while lifting the grinding disc off the ground.
- 8) Slowly lower the stumpgrinder until the grinding disc comes in contact with the stump. Pivot the stump grinder back and forth in a long, slow sweeping motion. Maintain the same elevation until the front section of the stump has been removed.

- 9) When the front part of the stump has been removed replace the spring loaded body locking pin, release the wheel brake, push the stump grinder forward to a new edge and repeat the process until the stump has been ground away. See figure 1. **ALWAYS BE ALERT TO FOREIGN OBJECTS THAT ARE BURIED IN THE STUMP: WIRE, PIPE, STAR PICKETS, OR METAL STAKES. NOTE: FOR BETTER PERFORMANCE AND TO AVOID EXCESSIVE CLUTCH WEAR, OPERATE THE ENGINE AT FULL THROTTLE DURING OPERATION. WARNING: KEEP HANDS AND FEET CLEAR OF THE GRINDING ZONE AND OTHER MOVING PARTS WHILE THE ENGINE IS RUNNING.**



NOTE: The constant build up of grinding debris may inhibit the stump grinder from performing effectively. To help insure safe, effective, and efficient working results, keep the working area raked level and free of grinding debris. ALWAYS USE A RAKE.

 **Note: Make sure grinding disc has stopped completely before removing or clearing debris**

- 10) **DO NOT LEAVE THE STUMP GRINDER UNATTENDED WHILE THE ENGINE IS RUNNING.**
- 11) After stump has been removed use the throttle to gradually bring down the engine RPM s. **Make sure the grinding disc has come to a complete stop before moving the stump grinder.**
- 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), or turn key to OFF, if equipped.



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.
- 3) Remove any weeds, wire, rope, etc. that may have wrapped around the disc grinding shaft assembly.
- 4) **CHECK FOR LOOSE BOLTS ON THE GRINDING DISC. ALWAYS US SHARP TEETH.**



SAFETY PRECAUTIONS AND OPERATING INSTRUCTIONS




SH400 STUMP GRINDER



REDROO.com
Commercial Environmental Equipment


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



SAFETY PRECAUTIONS FOR SH400 USERS




USE COMMON SENSE AND PLENTY OF IT OPERATOR MUST BE TRAINED






- 1)  **DO NOT** allow any person to operate the stump grinder without first reading and understanding the safety and operating instructions. **KNOW THE CONTROLS AND HOW TO STOP THE STUMPGRINDER QUICKLY IN CASE OF AN EMERGENCY.**
- 2) **NEVER** allow **CHILDREN** or **UNTRAINED ADULTS** to operate the stump grinder.
- 3) **PPE (PERSONAL PROTECTION EQUIPMENT) IS MANDATORY** before operating this machine. **ALWAYS** wear protective clothing when operating the stump grinder. 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 stump grinder. Keep all clothing away from moving parts. Clothing could become caught in the machine resulting in injury.


- 4) **ALWAYS** operate the stump grinder in a well-lighted area.
- 5) **NEVER** operate the stump grinder on an angle that exceeds 15° degrees. Keep your work area clear and free of debris.

MAXIMUM ANGLE OF OPERATION DO NOT EXCEED 15° ANGLE
- 6) **NEVER** operate the stump grinder when fatigued. **ALWAYS BE ALERT!** If you get tired while operating the stump grinder 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 stump grinder 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 stump grinder while in operation.
- 8)  **ALWAYS KEEP YOUR HANDS, FEET AND BODY AWAY FROM THE GRINDING AREA WHILE THE ENGINE IS RUNNING.**

- 9)  **NEVER** operate the stump grinder without the safety guards in place and in good working order. Always keep the stump grinder well maintained and in good working order.
- 10)  **WARNING!** – In case of difficulty, release the Operator Presence Control Bar. This action will stop the engine. See figure 1.
- 11) **DO NOT LEAVE THE STUMP GRINDER UNATTENDED WHILE THE ENGINE IS RUNNING.**
- 12) **DO NOT** over speed the engine or alter the governor settings. Excessive speed is dangerous and will shorten engine life.
- 13)  **NEVER OPERATE THE STUMP GRINDER IN AN ENCLOSED AREA.** Engine exhaust contains carbon monoxide, an odourless and tasteless poison that can kill.
- 14)  **STOP** the engine, disconnect the spark plug leads and allow engine to cool before inspecting or performing maintenance.
- 15)  **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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"The Right Way to Rent"



FIGURE 1

OPERATING INSTRUCTIONS FOR SH400 USERS OPERATOR MUST BE TRAINED BEFORE USE

- 1)  Inspect the immediate area and remove any foreign objects from the area.
- 2) Identify and mark the location of sprinkler heads, gas pipes, telephone cables, electrical cables, etc.
- 3) Check the fuel level, oil level, and air filter before starting the this machine.
- 4) **ANGLE OF OPERATION.** Do not exceed an operation angle greater than 15 degrees. Make sure that the oil in the crankcase is at the top level before starting. **USE EXTREME CARE IF OPERATING THIS MACHINE ON AN ANGLE.**

MAXIMUM ANGLE OF OPERATION DO NOT EXCEED 15° ANGLE