

Read and understand this manual as well as the engine manual supplied with your unit before operation. Be thoroughly familiar with controls and operation of equipment. Know how to stop unit quickly in case of an emergency.

Understand and follow each Danger, Warning, Caution and Instruction decal installed on equipment.

NEVER allow children to operate equipment. **DO NOT** allow adults to operate unit without proper instructions.

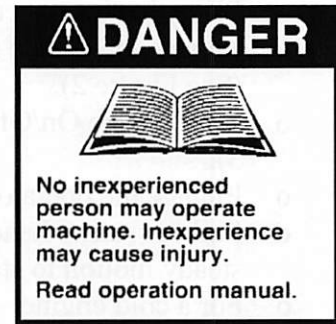
PERSONAL PROTECTION:

- ❖ Wear face shield and hearing protection
- ❖ Keep clear of cutter wheel
- ❖ Keep spectators away
- ❖ Keep away from moving parts



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- Read and understand the operations manual thoroughly.
- Do not operate around water, gas, power or phone lines. Call utilities to check.
- Avoid fences and other objects (buried junk, metal, etc.). Be aware of the possibility of foreign objects imbedded in or around the stump.
- Stand clear of cutter wheel.
- Never leave the controls unattended while in operation.
- Disengage cutter wheel and let come to a complete stop before getting near work area (i.e. clearing rocks, chips, etc.).
- Stop engine when repairing or adjusting machine or drive belts.
- Allow pulleys or other moving parts to cool sufficiently before touching.
Hot machine parts can cause severe burns.
- Do not allow moving machine parts to pinch body parts. Maintain a safe distance from moving parts while in operation.
- Do not run the machine without a complete number of teeth in the cutter wheel.
- Do not touch engine while running or hot (serious burns may result).
- Do not refuel engine while hot. Danger of fire or explosion exists.
- Never allow bystanders to stand and watch machine in operation without proper hearing and eye protection.



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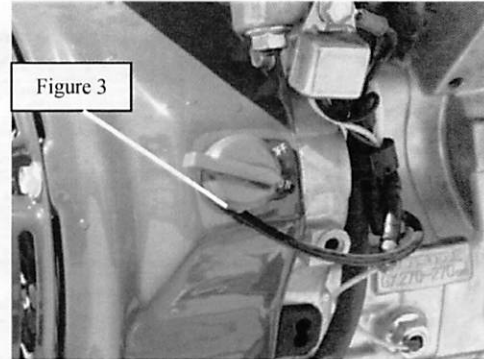
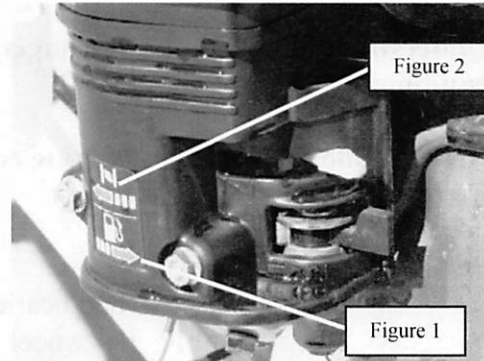
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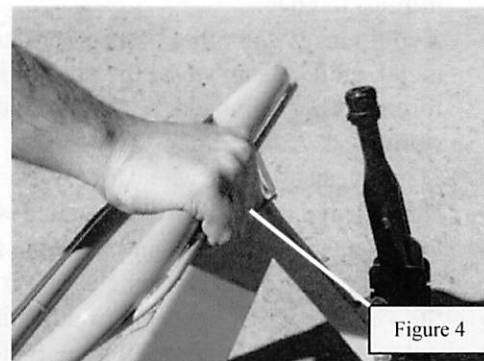
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STARTING - READ ENGINE MANUFACTURERS OWNERS MANUAL BEFORE STARTING.

- Check all fluids before starting.
- **Cutter wheel will engage with increased RPM.**
- Inspect all connections, teeth, tires, etc. (See Daily Checklist).
- Start engine at idle speed and allow sufficient time for oil to circulate before proceeding.
 - o Turn fuel shut-off valve to “on” position (See Figure 1).
 - o Place the throttle control at the “slow” position.
 - o Engage the Choke for cold weather operation (See Figure 2).
 - o Turn engine On/Off switch to “on” (see figure 3).
 - o Engage the operator presence bar (see figure 4).
 - o Pull the starter handle firmly with a smooth, steady motion to start.
 - o For a cold engine – Gradually return the choke control to the “off” position after the engine starts and warms up.



- Test controls for proper operation.
- **CUTTER WHEEL AUTOMATICALLY STARTS WITH INCREASED ENGINE SPEED.**
- **DO NOT OPERATE AROUND WATER, GAS, POWER OR PHONE LINES. IF IN DOUBT, CHECK BEFORE GRINDING.**
- **OPERATE EQUIPMENT ONLY WHERE THERE IS GOOD VISIBILITY AND LIGHT.**
- **WEAR FACE SHIELD AND HEARING PROTECTION.**
- **KEEP CLEAR OF CUTTING WHEEL AND MOVING MACHINE PARTS.**
- **KEEP CLEAR OF DISCHARGE AREA AT ALL TIMES. DO NOT PUT HANDS OR FEET NEAR ROTATING PARTS.**
- **KEEP SPECTATORS AWAY.**
- **NEVER LEAVE MACHINE UNATTENDED.**
- **NEVER DEPEND ON THE TO BRAKE TO HOLD THE MACHINE IN A STATIONARY POSITION.**



- NEVER ATTEMPT TO MAKE ANY ADJUSTMENTS TO THE UNIT WHILE ENGINE IS RUNNING (EXCEPT WHERE SPECIFICALLY RECOMMENDED).
 - KEEP ENGINE IN GOOD CONDITION. KEEP ALL SHIELDS IN PLACE AND SAFETY DEVICES OPERATING PROPERLY.
 - DO NOT TOUCH EQUIPMENT PARTS THAT HAVE MIGHT BE HOT FROM OPERATION. BEFORE ATTEMPTING TO MAINTAIN, ADJUST OR SERVICE, ALLOW SUCH PARTS TO COOL.
 - IF EQUIPMENT VIBRATES ABNORMALLY, STOP ENGINE AT ONCE. ABNORMAL VIBRATION IS A WARNING OF TROUBLE. REPAIR ANY DAMAGE BEFORE RESTARTING UNIT.
 - WEAR EYE PROTECTION. WEAR STURDY FOOTWEAR. DO NOT WEAR LOOSE CLOTHING THAT MAY GET CAUGHT IN ROTATING PARTS.
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- Position machine in front of stump with cutter wheel a slight distance away from stump (see Figure 5).
 - Apply the brake (see Figure 6).
CAUTION: BRAKE ONLY LOCKS ONE WHEEL AND ALLOWS THE MACHINE TO PIVOT FROM SIDE TO SIDE.
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- Increase engine RPM to full (see Figure 7).
CAUTION: CUTTER WHEEL IS ENGAGED WITH INCREASED RPM.
 - Test controls for proper operation, speed, and unobstructed movement.
CAUTION: ALWAYS STAND BEHIND THE CONTROL HANDLE; NEVER LEAVE THIS POSITION WHILE CUTTER IS RUNNING.
 - Rotate the cutter head back and forth, around the locked left pivot wheel working down to the desired depth (see Figure 8).



Figure 5

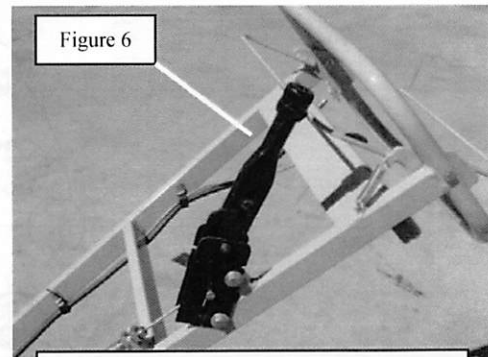
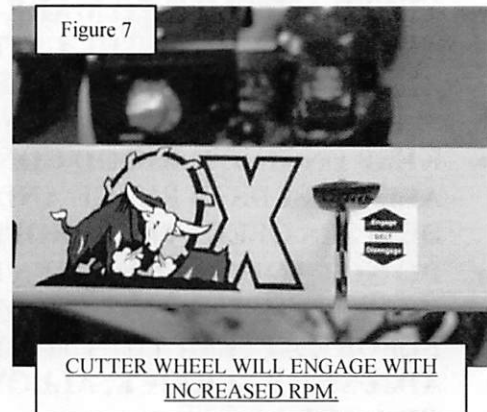


Figure 6

BRAKE SHOWN IN LOCKED POSITION

- Unlock the brake, move the machine further forward, reset the brake, and resume the grinding process.
- Should there be excessive chip build-up shut off cutter and move out of position and rake away chip build-up then start to cut again.
- Continue in this manner until stump has been removed.
- Reduce engine speed to idle. Turn off motor.
- **Allow cutter wheel to come to a complete stop before inspecting.**



For optimal performance, the stump should be cut with the portion of the cutter wheel shown. **NEVER UNDERCUT THE STUMP.** Undercutting the stump can cause severe kickback, vibration and component damage. **NEVER CUT THE STUMP FROM THE TOP.** The cutter wheel will throw debris up and toward the operator, instead of down and under the machine.

