



BILLY GOAT BRUSH CUTTER

GENERAL SAFETY

- **FOR YOUR SAFETY AND THE SAFETY OF OTHERS, THESE DIRECTIONS SHOULD BE FOLLOWED**
- Do not leave operate this machine without first reading owner's manual and engine manufacturer's manual
-  **Use of Ear Protection is recommended while operating this machine**
-  **Use of Eye and Breathing protection is recommended when using this machine**
- **DO NOT** place hands or feet beneath cutting deck, near debris outlet or near any moving parts
- **DO NOT** start engine or operate unit with bystanders in or near the work area
- **DO NOT** start or operate machine with blade or drive clutch engaged
- **DO NOT** operate during excessive vibration
- **DO NOT** perform any maintenance or inspection until engine has been turned off and has come to a complete stop, and the spark plug has been removed
- **DO NOT** operate machine with guards removed
- **DO NOT** use this machine for cutting areas containing rock, glass, string like material, wire, rags, cans, metal, or other non-organic material
- **DO NOT** operate this machine on slopes greater than 15°
- **DO NOT** operate machine near any hot or burning debris, or any toxic or explosive material
- **DO NOT** allow children to operate this equipment



OPERATION

- **INTENDED USE:** This is not a lawn mower. The Brush Cutter is designed for cutting overgrown weeds, brush, and other types of organic growth to a height of 3 ½". The unit may also be used to clear small saplings 1 ½" in dia. or less. It does not provide the cut quality of a finish cut lawn mower. The unit is designed for use in rural areas, and should not be used in settings where conditions

OPERATION

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require that the unit be operated in tight or confined areas. Be sure to inspect work area and machine before operating. Make sure that all operators of this equipment are trained in general machine use and safety.

-  Like all mechanical tools, reasonable care must be used when operating machine. **Do not operate unit in areas where bystanders may be present**
-  **Do not operate if excessive vibration occurs.** If excessive vibration occurs, shut engine off immediately and check for damaged or worn blade, loose blade bolt, loose blade adapter key, loose engine or lodged foreign objects.

1. STARTING

PUT OIL IN ENGINE BEFORE STARTING

ENGINE: Engine must be level when checking and filling oil and gasoline

ENGINE SPEED: Controlled by throttle lever on the handle

FUEL VALVE: Move fuel valve to "ON" positions (when provided on engine)

CHOKE:

Briggs engines have a choke type carburetor that is operated by moving the throttle control to the full start position

Honda engines have a separate choke lever that is operated by pulling back when starting. Push it back to its original position after the engine has started

THROTTLE: Move remote throttle control to fast position. Pull starting rope to start engine

ELECTRIC START: Choke the engine if necessary. Push and hold down on the rocker switch until engine starts, then release switch to run

2. CUTTING OPERATION

GENERAL OPERATION: To engage the blade, depress the operator's left hand control lever against operator's handle. The blade is disengaged by releasing this lever. To engage the wheel drive, lift the

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CUTTING OPERATION

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operator's right hand control lever against operator's handle. **The drive is disengaged by releasing this lever.** Ground speed can be varied by shifting gears. **To begin cutting** engage the blade lever, allow the blade to spin up to speed, and engage the wheel drive to begin moving forward into the material to be cut.

NOTE: Do not engage blade during transport between work sites. The blade should remain disengaged at all times when work is not being performed.

The **best performance** is achieved when cutting in dry conditions. If the deck becomes choked with grass or debris during operation, back unit off of debris allowing machine to clear itself and continue cutting, or shut the unit off and clear the clog by hand. **A drop in engine RPM or a noticeable change in engine sound** is usually a good indicator of a clogged discharge or other interference.

Under **most conditions** cutting should be done in **first** or **second gear**. Third gear should be reserved for conditions where weeds and brush are thinned out or not as tall. **The quality** of the cut produced is **directly related** to the unit's **ground speed** during cutting. If the quality of the cut is not satisfactory (i.e. material left standing) you should shift into a lower gear during cutting. For improved control in confined areas, this machine can be pushed forward to backward by releasing the operator's clutch lever, placing the transaxle in neutral, and pushing the machine.



CLEARING A CLOGGED CUTTING DECK:

Turn engine off and wait for blade to stop completely. Disconnect spark plug wire. Wearing durable gloves, remove clog.



DANGER: The clog may contain sharp materials. Reconnect spark plug wire

BLADE CLUTCH

The Brush Cutter blade clutch is controlled by an operator presence control. To engage the blade, depress the operator's left hand control lever against operator's handle. The blade is disengaged by releasing this lever.

CUTTING OPERATION

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NOTE: The blade clutch must be either fully engaged for cutting or fully disengaged to bring the blade to a stop. Do not operate the unit with the blade clutch partially engaged. Premature belt wear and clutch failure will result from improper operation of the clutch.



CAUTION: Use extreme care when operating the blade. Inspect the work area for foreign objects that could cause damage to the unit or injure the operator if struck by the blade. Never operate the blade with bystanders in the work area

3. PROPULSION

This Brush Cutter is self-propelled, and is controlled by an operator presence control. To engage the wheel drive, lift the operator's right hand control lever against operator's handle. The drive is disengaged by releasing this lever.

GROUND SPEED can be varied by selecting a higher or lower gear using the gear shift lever at the rear of the machine or by changing the engine rpm. To shift the Brush Cutter into **reverse**, **release all controls and rotate the shift the Brush Cutter into reverse**, release all controls and rotate the shift lever to the left, when the lever stops lift it up and continue to turn it to the left until it stops again.

4. CUTTING HEIGHT ADJUSTMENT

Cutting height can be adjusted to allow a 1" lower cutting height. This is particularly useful for cutting grasses that lay over when overgrown. (i.e. Bermuda, Johnson, etc.

NOTE: When cutting brush and normal field grasses it is **strongly recommended** that you operate your brush cutter at the standard (top) cutting height.

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