



Like all mechanical tools, reasonable care must be used when operating machine.

Inspect machine work area and machine before operating. Make sure that all operators of this equipment are trained in general machine use and safety.

INTENDED USE: This machine is designed for cleaning outdoor surfaces, where the debris can be effectively blown into a consolidated area for convenient pickup and removal.

Do not operate if excessive vibration occurs. If excessive vibration occurs, shut engine off immediately and check for damaged or worn impeller, loose impeller bolt, loose impeller key, loose engine or lodged foreign objects. Note: See parts list for proper impeller bolt torque specifications. (See trouble shooting section on page 12).



PUT OIL IN ENGINE BEFORE STARTING

16.1

STARTING



ENGINE: See engine manufacturer's instructions for type and amount of oil and gasoline used.

Engine must be level when checking and filling oil and gasoline.

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

STOP SWITCH: Located on the engine. "ON" position.

CHOKE: Operated with choke lever on side of engine.

THROTTLE: Controlled by throttle lever on the handle. Move remote throttle control to fast position. Pull starting rope to start engine.

ENGINE SPEED: Under normal conditions, operate at minimum throttle to accomplish your current cleaning task.

IF YOUR UNIT FAILS TO START:

See Troubleshooting on page 12.

16.2

HANDLING & TRANSPORTING:

Using two people to lift machine is recommended. Lift holding the handle and handle brace. Secure in place during transport.

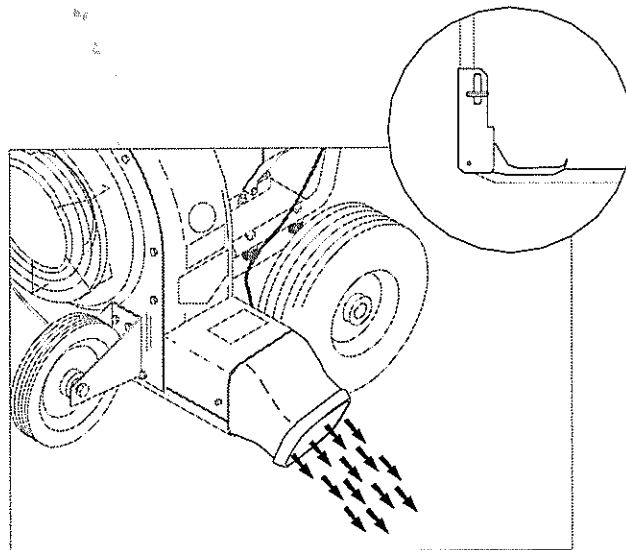
16.3

BLOWING OPERATION

Your Billy Goat blower is equipped with a remote exhaust director to allow the operator to direct the air stream up or down as required to assist in moving debris. This feature is extremely useful when debris has piled up to the point that it cannot be blown any farther. The air stream can be directed upward to blow the top of the debris pile over and allow the operator to continue moving more debris farther.

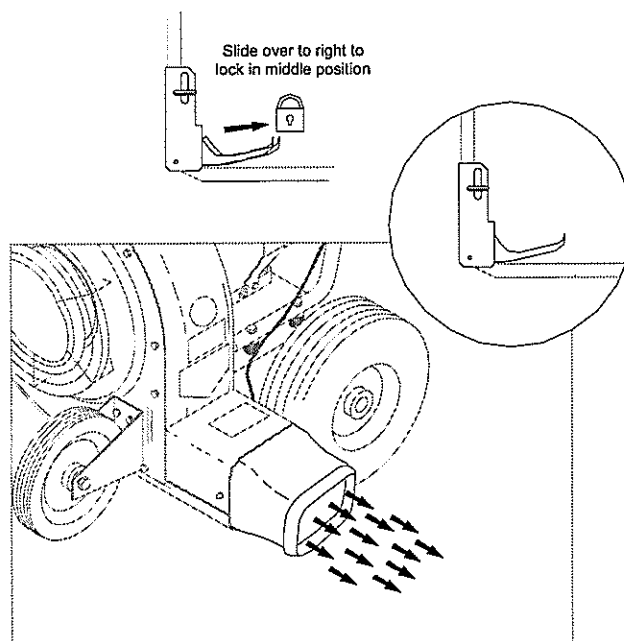
Side Discharge Up Position

This position allows air to be directed upward during use to avoid blowing debris into cars or other structures, or to avoid blowing landscaped areas that would be damaged by the high speed air. This position also allows operator to maneuver the machine relative to the work area without disturbing the debris.



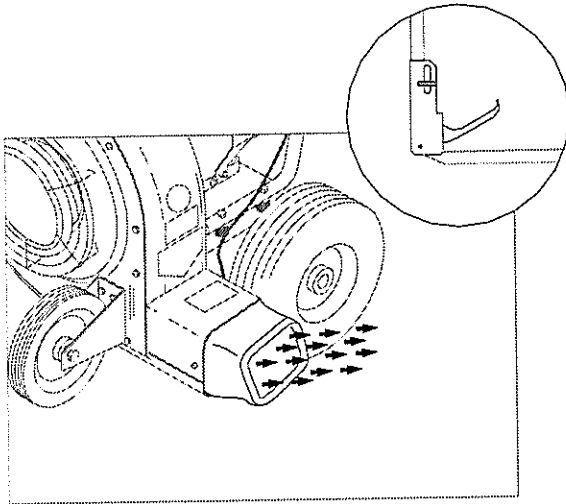
Side Discharge Straight Position

This position directs the air parallel to the ground for the majority of blowing operations. The hand control allows the operator to lock the air stream in this straight out position. To **LOCK** the air in position simply pull back on the lever and pull the lever sideways to the right until the lock engages. See instruction label on the control.



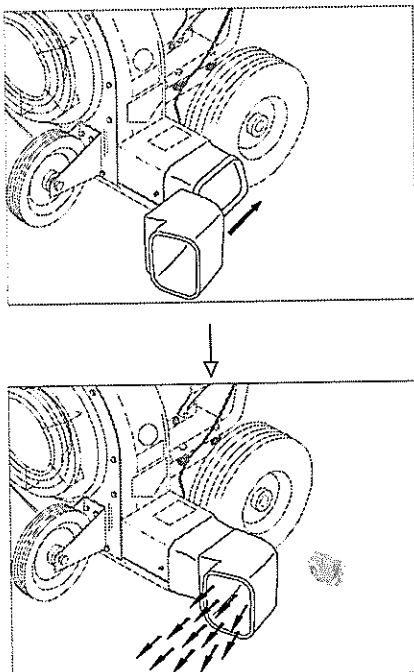
Side Discharge Down Position

This position directs the air stream down at the ground to allow the operator to deliver the maximum power to debris that is stuck or difficult to remove. This position is also very useful for cleaning out cracks and expansion joints in pavement.



Front Discharge Position

The removable front discharge adapter can be slipped on to direct the air stream forward. This option is extremely useful for cleaning out long cracks in pavement or for cleaning under bushes or building overhangs.



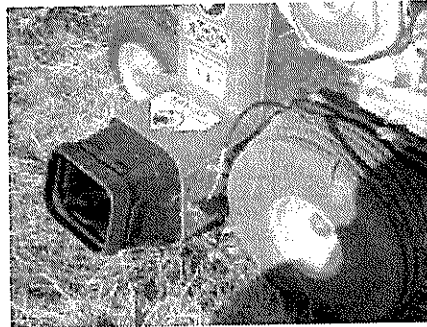
16.4

ADJUSTING AIR DIRECTOR

When you lock the lever, the default position of air director is in the middle or straight out. If you want to raise or lower air director lock position you must adjust the threaded fitting on the cable.

Note: You will not get full range of motion of air director if you raise or lower default locking position.

Raise Lock Position



1. Lock the air director in place at the handle by pulling on the lever then slide it over to right.
2. Loosen the top nut on the threaded cable fitting until the air director position is satisfactory.
3. Tighten the bottom nut.

Lower Lock Position



1. Lock the lever at the handle by pulling on the lever then slide it over to right.
2. Loosen the bottom nut on the threaded cable fitting and back it off 1/4 inch.
3. Pull the threaded cable fitting up while pushing down on the air director then check for air director position.
4. Loosen or tighten the same bottom nut then repeat step 3 until the air director position is satisfactory.
5. Tighten the top nut.

16.5

STORAGE

⚠ Never store engine indoors or in enclosed poorly ventilated areas with fuel in tank, where fuel fumes may reach an open flame, spark or pilot light, as on a furnace, water heater, clothes dryer or other gas appliance.

If engine is to be unused for 30 days or more, prepare as follows:

⚠ Remove all gasoline from carburetor and fuel tank to prevent gum deposits from forming on these parts and causing possible malfunction of engine. Drain fuel outdoors, into an approved container, away from open flame. Be sure engine is cool. Do not smoke. Run engine until fuel tank is empty and engine runs out of gasoline.

NOTE: Fuel stabilizer (such as Sta-Bil) is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow mix ratio found on stabilizer container. Run engine at least 10 min. after adding stabilizer to allow it to reach the carburetor.