

CONTROLS

Engine

Refer to your engine manual.

Fueling

Read the safety instructions before fueling. Keep the fuel and fuel tank clean. Avoid filling the machine with dirty fuel. Make sure the fuel cap is properly tightened and the gasket is not damaged, particularly before washing the machine.

Use unleaded gasoline with minimum 86 octane rating. Never use gasoline mixed with two-cycle oil. For ethanol and methanol fuel, the following applies:

Maximum allowable ethanol 10% (volume).

Maximum allowable methanol 5% (volume).

Maximum allowable MTBE (Methyl Tertiary Butyl Ether) 15% (volume).

If the engine knocks or pings at normal load it can be damaged. Change the fuel. If this does not help, contact an authorized service workshop.

Do not fill the tank completely; leave space for the fuel to expand as it warms up.

Cutting Unit

Depth Lever

Use the depth lever to raise and lower the blades between working and transport position. The depth lever has a lock-out bolt that should be left in until the blades wear down. Then move the bolt to a lower hole to allow the blades to penetrate the soil.

- **Flail Blades or Spring Tines** Set blade or tine depth so that the blades or tines just touch on a flat surface such as a sidewalk or driveway.
- **Delta Blades** Set blades to penetrate the soil to a depth of $\frac{1}{8}$ " to $\frac{1}{4}$ " with a maximum penetration of $\frac{1}{2}$ ". Check seed bag for the manufacturer's recommended depth of application
- Lawns with deep thatch exceeding $\frac{3}{4}$ " may be best dethatched in two treatments (spring and fall) to avoid major shock to an older lawn.

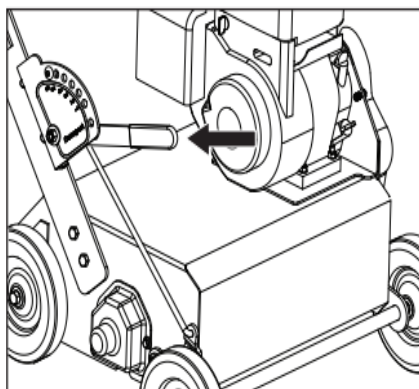
Clutch

The clutch tightens the drive belt and engages the drive for the blades. When the clutch lever is pressed against the handle, the blades begin to rotate. Hold the clutch tightly when working so the belt does not slip.



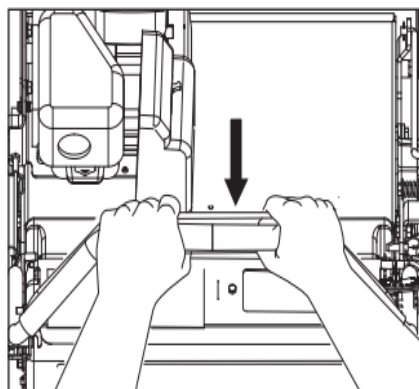
WARNING!

**Gasoline is highly flammable. Observe caution and fill the tank outdoors.
See the safety instructions.**



8064-017

Depth lever



8060-108

Hold the clutch bail against the upper handle.

OPERATION

Seed Application

Preparing the Lawn

1. Cut the grass to approximately $\frac{1}{2}$ " (1-1.5 cm) lower than you normally would.
2. Do not water before sowing.
3. Remove the layer of old grass cuttings (thatch).
4. Aerate the lawn with a core-type ground aerator.
5. Fertilize the lawn.

Seed Application Chart

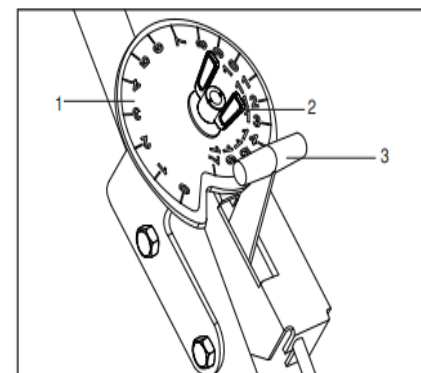
Located on the seeder, the chart values are approximate; quantities of seed depend on the speed at which the machine is run. Faster running speeds results in sparser sowing.

To set the seed application, loosen the wingnut and turn the seeder dial to the desired sowing setting. Retighten wingnut.

Pull back on the OPEN/CLOSE lever to apply seed.

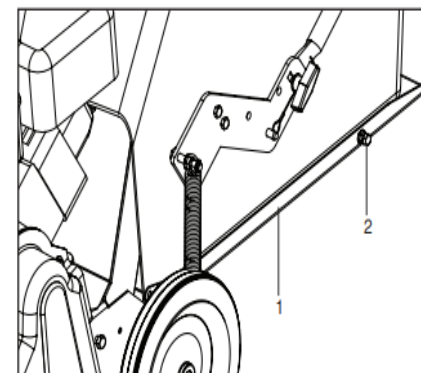
Seed Application Recommendations

- For best results, sow in two directions with a 45° angle between.
- Water generously immediately afterward and continue watering moderately for 10-14 days to keep the soil moist.
- After germination, water sporadically to encourage root growth.



8060-021

1. Selection dial
 2. Wingnut
 3. OPEN/CLOSE lever
- Set application per chart and turn on seeder



8060-032

1. Safety door
2. Rear nut

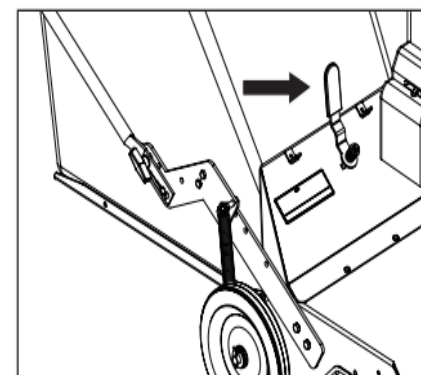
Attach bag to bagger frame

Bagger Attachment and Removal

To attach bagger, place foot on safety door rear bolt and push down until door is flat. Set the bagger onto the door and up against the chute.

Secure bag clamp.

To remove door, unlatch bag clamp. Push down on rear bolt and slide bagger away from the chute. The safety door is spring loaded and will flip up to cover the rear opening until the bag is reinstalled.



8060-023

OPERATION

Before Starting

- Mow the lawn $\frac{1}{2}$ " shorter than normal.
- Allow the lawn to dry. Wet conditions can cause extensive damage to healthy grass.

IMPORTANT INFORMATION

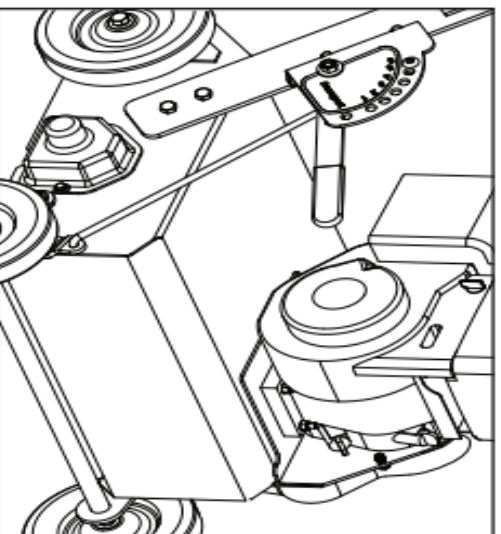
Clear the lawn of any debris.

Clearly mark rocks and other fixed objects.

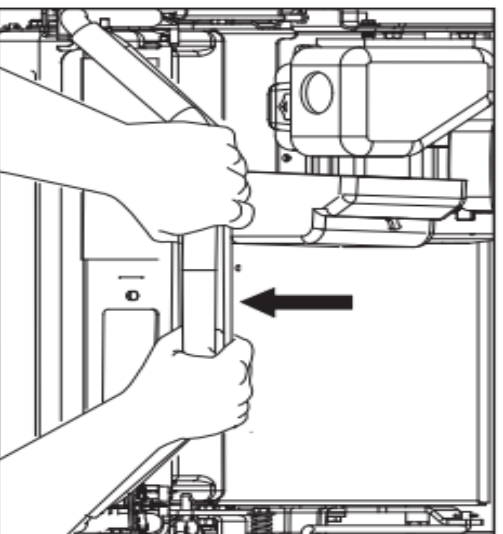
Be especially sure to check for hidden electrical cables or similar in the surface of the lawn.

Starting

- Check for stones or fixed objects in the lawn.
- Set the depth lever in working position.



- To engage the clutch in heavy thatch, bear down on the handle and raise the front wheels slightly. Hold the clutch ball against the handle and carefully lower the machine into the turf.
- Do a small test area at a slow walking pace.
- The depth setting is too deep if the engine speed drops excessively, or if the machine pulls forward and bucks roughly.



Finishing

- Remove all extracted thatch from the grass and compost/dispose of properly.
- Other methods for improving your lawn may include aeration and fertilization.

Hold clutch ball against handle

8030-108