

Pea and Bean Sheller * Model 675 V2 * By Southern Garden Tools

Thank you for your purchase of the Pea and Bean Sheller by Southern Garden Tools. It is excellent for shelling green peas such as black eyes, crowder, lady fingers, white acres, English peas, and many others. As stated by our many customers, it will also shell mature butterbeans. On average, the Little Sheller will shell a bushel in about 15 minutes depending on size and type of pea. The Pea and Bean Sheller is very easy to operate. Simply place peas in the top tray and hand feed to the rollers. The shelled peas drop in the plastic receiving pan and the hulls are discharged out the front of the machine. Slight adjustments to the rollers allow you to shell small to large peas. This machine—designed for light commercial use—has become a favorite for home use as well. The Little Sheller is durable and effective!

Sheller Operating Instructions

All operators should read instructions completely before shelling!

- Belt and roller guards should be used at all times;
- Always switch machines off and disconnect from power before making any adjustments to the rollers or guards;
- Adjust your inside roller guard allowing only enough clearance for the size of peas and beans being shelled;
- Never put fingers under guards;
- Always make sure motor switch is off before connecting to power source;
- Never connect to ungrounded power source;
- Never allow water to get in motor.

Roller Adjustment: In general, if your rollers are too close together the sheller will not accept pods and rollers too far apart will mash peas or beans. Therefore, you want your rollers as close together as possible and still accept pods. We suggest using the following procedure to find where your roller should be adjusted for the peas or beans you are going to shell.

First, make sure your machine is turned off and disconnected from power source. Facing the front of the machine, loosen the two screws on the top of the angle crossbar above the rollers and remove the outside roller guard. This will allow you to see the rollers and the movement of the top roller. Now on the pulley side, turn the 1/4 machine screw above the bearing block counterclockwise to raise the top roller on that side to a clearance of approximately the thickness of a nickel. Lower the roller on the gear side until the rollers just touch by turning the 1/4 machine screw of that side clockwise and then retighten the wing nuts. Reinstall the outside roller guard and check clearance adjustment of inside guard. Now you can connect power and turn the machine on. Shell a few pods starting on the gear side moving gradually to the right until you find the location where your peas or beans shell best. (See shelling information below.) Next switch machine off, disconnect from power source, remove the outside guard again, and readjust rollers to the approximate clearance of your noted location for the entire length of the rollers. After replacing the outside roller guard and reconnecting to power source, you are ready to begin shelling. Some very slight adjustment up or down may still be necessary.

Shelling: After checking to make sure that all your guards are installed and adjusted properly, make sure receiving pan is under the pea shoot by lifting the back of the pan and sliding it under the lip of the shoot. Now connect to power and turn machine on. Place about 1/4 bushel of peas on to the back

portion of the top pan and feed the pods into the rollers by spreading your hand flat over the pods and with the side of your hand, gently push them under the inside roller guard several pods at a time (tip or bud in first). Caution: Do not put fingers under guards. Occasionally switch off sheller, disconnect power, then wipe off the pith which collects on the metal wiper below the bottom roller. This keeps the bottom roller from becoming too slick to receive and twist open the pods. This residue is not usually mashed peas but the pith part of the hulls.

You ordinarily have no problem shelling peas or beans right out of the field. However, if you should encounter some difficulty, it may be necessary to loosen the pith around the peas or beans before shelling. Picking your peas or beans one day and shelling the next can usually accomplish this but when you must shell the same day, wet or dip pods in water before shelling. It is not necessary to dry pods; the moisture will help wash the slick pith from the rollers. If you find it necessary to store your peas or beans in a cooler, allow them return to room temperature before shelling. Occasionally while shelling there may be black streaks down the front of the machine that are caused by the coloring in the neoprene rollers. This substance is non-toxic and removes easier while moist. NOTE ONE: The bottom roller should just clear the front metal wiper by 1/16 inch or less. Too much gap here will allow pith into pea receiving pan instead of collecting outside the wiper. NOTE TWO: You should always wash peas or beans thoroughly after shelling.

Bearings: There are two oil ports located in the front of each roller shaft bearing block and should be oiled with light mineral oil at the end of each shelling day and once or twice a day when in constant use.

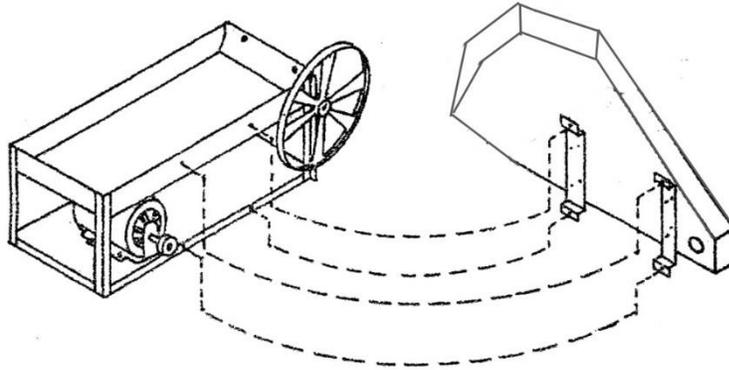
Belt Adjustment: Belt should be kept fairly loose. An adjustment too tight will cause excessive wear to your roller and motor bearings. To adjust belt, loosen motor bolts and slide motor forward or back depending on adjustment needed and retighten bolts.

Motor: The motor is equipped with an approved ground cord. Never connect to ungrounded power source. Please make sure your ground is connected to meet your local wiring code. Oil motor with a few drops of lightweight oil approximately twice each season 4 motors equipped with oil ports. Small hole caps are plugs located just above motor shop on end of motor. Motors without oil ports have sealed bearings that do not require oiling.

Cleaning: Turn switch to off and disconnect from power source. Remove outside and inside roller guards. The machine can be easily wiped out with mild soap and water. Roller guards can be washed in sink. Caution: Do not get water in motor. After cleaning replace guards. Always allow machine to completely dry before reconnecting to power source. We suggest that after clean-up, re-oil roller bearings and run the machine for a few seconds to prevent rusting of your roller shaft.

Storage: Be sure your sheller has been cleaned and bearings oiled before putting into storage. When storing machine for the off-season we suggest you slide your machine into a large trash bag to help protect from dust, dirt, bugs, and rodents. When removing from storage, always clean the machine thoroughly, re-oil bearings, and re-grease gears with non-toxic food grade lubricants.

ASSEMBLY INSTRUCTIONS



DANGER! DO NOT USE WITHOUT ROLLER GUARDS!

