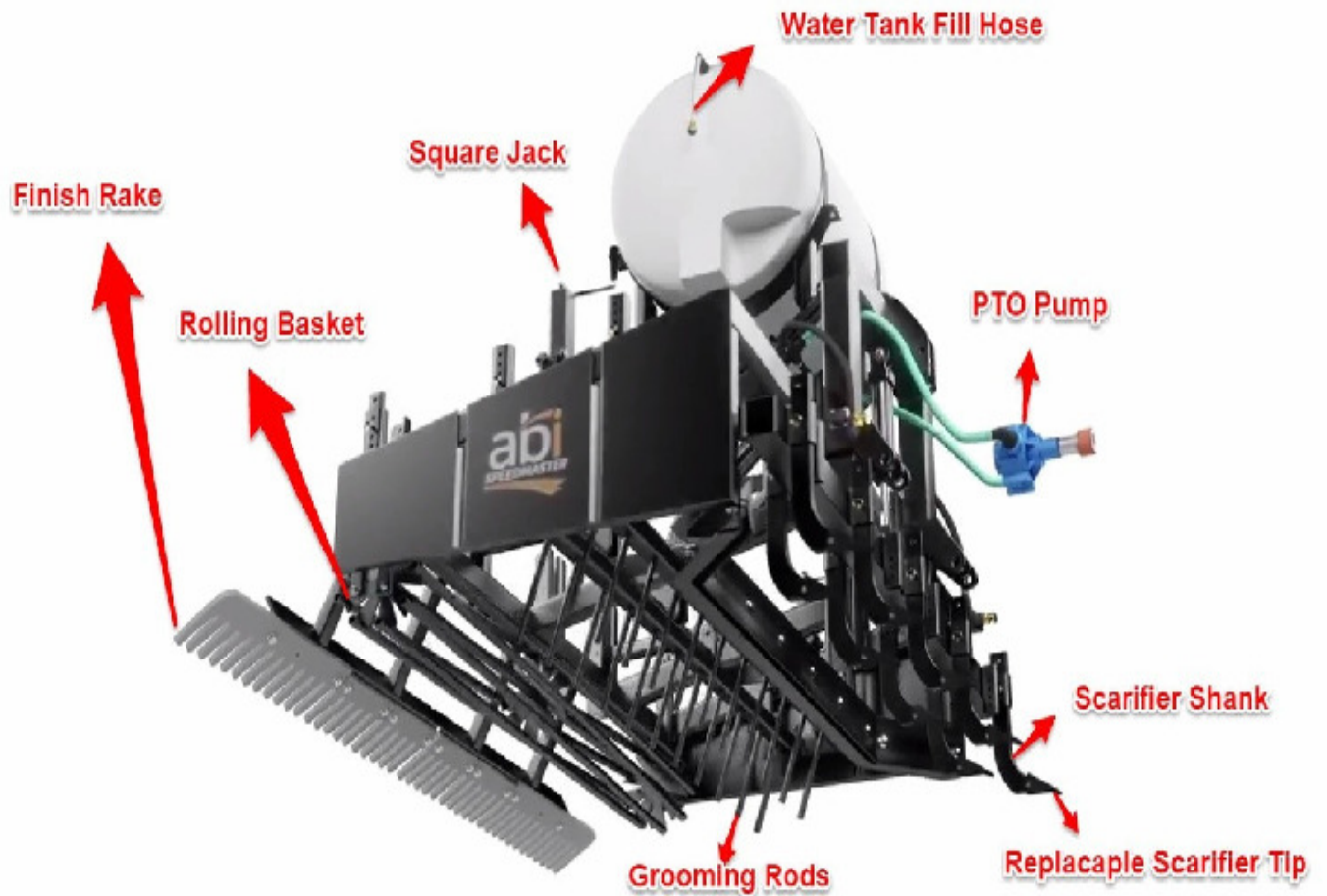


Speedmaster Main Parts List



Tractor Requirements:

Minimum 70 horsepower 4WD

Unit weight 2,165 lbs.

Tractor must have two sets of hydraulic ports (2 In & 2 Out)

CAT II 3-Point hitch



Step One: Connect the three-point of your tractor to the Speedmaster. The red circles in the pictures are highlighting where the connections are located on the unit.



Step Two: Attach the PTO pump by pulling back on the locking collar, align the splines of the tractor with the splines on the pump and slide it on as far as it will go. Next, slide it back until you hear the lock latch click in place locking the pump to the tractor PTO shaft. Last be sure to securely chain the pump to the tractor to prevent it from spinning. Be sure to idle the tractor down low before engaging the PTO and then idle up to desired speed. Maximum of 540 RPM.



Step Three: After attaching your tractor to the three-point of the Speedmaster use your top link and adjust it so that the three-point mast on the tool is running level vertically. If you have it angled backward too far you can possibly put extra strain on the rolling basket and can cause damage. This also sets the rest of the ground engaging components to work together properly.



Step Four: The rolling basket is used to control the depth of your ground engaging components. It also stabilizes the unit and helps to keep from following undulations caused by the tractor tires. On a hard, flat level surface using the three-point of the tractor lower the unit to relieve the pressure on the bent pins. Then remove the bent pins (circled in red in the picture). After removing the pins use the three-point of the tractor to raise or lower the unit to your desired depth. Count the holes on both sides to verify that you place the bent pins in the corresponding holes on both sides so the drag runs level.



Step Five: To adjust the height of the grooming rods first remove the lynch pins and bent pins (circled in orange in the picture). Next adjust the hand jacks (circled in green in the picture) up or down to reach the desired height, take caution and adjust both jacks simultaneously to prevent binding or even possibly bending the arms. Once you reach your desired height reinsert the bent pin and lynch pins verifying that they are at equal heights (count the holes down on both sides to verify in same holes).



Step Six: To manually adjust the scarifier shanks to be at the correct depth so they do not get into your base, the shank has four holes to choose from. With the drag lifted in the air from the tractor three-point lift system, remove the lynch pins and bent pins to reach the desired depths. Next hydraulically run the scarifiers down to verify that they are at the proper depth needed. If not repeat this process. If your arena has a professionally installed base you want to make sure that when you lower the scarifiers hydraulically they will not go down too far and go into the base causing damage. The scarifiers are made to break up hard pack.



Step Seven: The Speedmaster leveling blade (circled in orange in the picture) is controlled hydraulically from the seat of the tractor by the operator. The operator can lower the blade at the high spots and raise the blade to fill in the low areas in the arena footing.



Step Eight: The finish rake at the rear of the unit is used to disperse material, help level, to leave the patented ABI finish, and can be used as a secondary option from the rolling basket to help add compaction. The finish rake arms travel through four sections of guide arms (circled in orange in the picture). They are equipped with a series of several holes, bent pins can be added in these holes to help lock down the finish rake so it can't float as mush or none at all which will help compact the arena tighter.

The water tank on the ABI Speedmaster has a fill hose located on the top right side of the water tank. It comes equipped with an automatic shut off valve located inside of the tank. This is so you can hook it up to your hose turn the water on and work on other chores while it's filling. The spray nozzle brackets can be loosened and readjusted on the angle you prefer for your watering preference.



The yellow handled valve for the water tank can either be opened or closed fully or it can be used partially open or closed to vary the amount of water that sprays out, so you can reach your optimum moisture needed in your arena.

Caution! ABI strongly recommends before using this tool in your arena if you have a compacted installed base that you start out grading without the scarifiers engaged into the footing. You will also need to set the depth of the grooming rods to match less than the depth of your shallowest area of footing. This means prior to using the tool you will need to go around the arena and dig down manually in many spots to verify the depths of the footing. Failure to do so can cause damage to your base. Do not use the scarifiers until the footing has reached a consistently level depth.

Warning: Before freezing temperatures be sure to drain the water tank on your unit and pour in two gallons of RV antifreeze. Then idle your tractor down, turn on the PTO and circulate the solution through the pump. Turn the sprayer on and run a little of the fluid out the nozzles to protect them from freezing leaving most of the fluid still in the pump and tank to protect it. If not the water will freeze and can cause damage to the pump, the plumbing, and the tank.

If you have any questions that are not addressed in this manual or objects that need clarified please call ABI customer service at 855-211-0598. We will be more than happy to help.