

Some things to know about the SHERPA 100ECO:

1. Movement

- a. The machine is very responsive to your touch. Even the slightest movement of the left and right control arms will quickly move the machine left and right respectively. Watch your knees. If you are not careful when first using the machine you can bang them into the battery case.
- b. When operating the 100ECO on asphalt or a rough surface, sometime the machine requires more energy to turn due to the friction between the tires and the surface. Try using both drive levers in the same direction, with one lever fully press and the other only a minimal amount. Turning on smooth surfaces should never be a problem.
- c. Sometimes you will hear a clicking sound when turning or using multiple functions at one time. This clicking noise is not the chain. It is the safety check valve to make sure the motor doesn't over heat.
- d. Just like any other skid steer, turning when the boom is in the air can make the machine jump side to side. This is not recommended
- e. When loading the machine onto a trailer or truck, always load facing backwards. You not only get more power going backwards, but if you go forwards you have a greater possibility to flip over backwards.

2. Lifting and Tilting

- a. The machine is built like a cantilever system. The further out on the bucket or pallet forks your weight is, the less the machine can lift. Try to keep your load as close to the machine as possible for maximum lifting capacity.
- b. The machine has a safety feature which allows the lift cylinders and tilt cylinder to be lowered when the motor is not running. This happens when you press the toggles forward. Make sure to always leave the machine with the attachment on the ground to ensure a safe working environment.
- c. The attachments are built with a double safety feature. Even if the locking pins are not locked in, if you rotate the attachment all the way forward, it is very difficult for the attachment to fall off. Sometimes you need to prop the attachment up on a 4"x4" or a cinderblock to remove the attachment.
- d. Never lift items with the corner of a bucket. This can cause the lifting arms to twist leaving the arms out of alignment.

3. Maintenance

- a. The maintenance guidelines are listed in the User Manual. Make sure to follow these guidelines as they will ensure that your SHERPA 100ECO is working optimally.

- b. The battery should last 8 working hours on a full charge or 4-5 working hours if using the hydraulic auxiliary, the entire time (i.e. using a rolling sweeper or auger). There is a 20% marking on the battery indicator. When the battery gets down under 20% the battery indicator will start flashing red. When this happens, it is time to recharge the battery.
- c. It is ok to recharge the battery whenever you feel like recharging, but it is best to recharge when the battery is almost fully used. Much like a cell phone battery, the SHERPA 100ECO battery has a memory. If you recharge it every day even though it has 70%-80% life left, you will lose battery life. Try to recharge when the battery is at least below 40% for optimum battery life.
- d. Only refill the battery with distilled water AFTER charging the battery completely. Refilling the battery before charging increases the likelihood of "boiling" the battery which will cause an overflow of battery acid.
- e. Recharging the battery to a full charge will take approximately 13-14 hours with a 110V Charger or 7-8 hours with a 220V Charger.
- f. Always make sure that the water level in the battery is adequate. There is a blinking light on the side of the battery case. If it blinks green, the water level is ok. If it blinks red, you need to add water to the battery immediately.
- g. Do not ever pressure wash your 100ECO. There is a sticker on the front panel of the machine which indicates not to pressure wash the machine. There is a high risk of water entering the electric motor which will void the warranty.
- h. There are only 3 grease fittings on the entire machine. One on the bottom of each lift cylinder and one on the top of the tilt cylinder. The movement in these areas are so minimal that it is not necessary to grease them daily. Each time you remove the battery to clean the machine would be a good time to grease these points.

4. Miscellaneous

- a. Each machine carries a one (1) year warranty on non-wearable parts and a six (6) month warranty on service. The warranty period starts from the time the machine leaves the warehouse to be delivered.
- b. If there is no dealership available within your area, service hours will be repaid under the current estimated repair hours as \$65 per hour on parts that are deemed defective under the warranty.