

Walter S. Pratt & Sons Inc.

Magni Tips/Winter Tips

- 1) After a snow storm and before you start the machine, remove snow from air intake on top deck near cab. Prevents snow for entering air intake and temporarily creating a slight air restriction to engine. It will throw a code. Filter will dry or can be dried and will resolve the issue.
- 2) Over night, and/or extreme cold, shut down the batteries with the cut off switch. There is always a draw from the computers on board. Cold weather adversely affects batteries to begin with. Warmer winter days you do not have to every night. Possibly over the weekends or if machine is not in use for a few days or more.
- 3) System is a 24volt system. If charging, or using a jump box, take appropriate steps.
- 4) If trying to jump start, remember if battery door is open, there is a safety switch on door that will prevent you from starting. Safety is for anyone tampering while machine is in use. Switch can be bypassed for jumping/starting purposes but make sure it is returned to its safety position.
- 5) Let the unit have a good warm up before operating. Essential to have hydraulic system and computer system warmed up for proper running.
- 6) During initial warm up or Magni's efficiency and ability to stay in one place (on out riggers), or not driving often, hydraulic systems can get cold and slow down. **WHILE ON OUT-RIGGERS AND ALL TIRES ARE OFF THE GROUND.** Put the Magni in drive mode, give it some throttle, and run the tires for a few minutes. This will heat systems back up again. Extend and tilt to get warmer fluids into the systems. If you are driving the Magni at the site systems should be fine.
- 7) If systems are acting up, use the batterie cut off switch. Magni's have computer systems on board. This acts like a re-boot. We all use this with computers and phones. Same applies. Switch off

and give it **5 min** before switching back on. Turn key to power up but do not start. Allow time to reboot and computer screen to display. **Always, even during normal working conditions, allow computer to load before engaging engine.** Including times when battery has not been turned off. This will help prevent any computer glitches that may occur if the machine isn't started properly. A good rule of thumb would be to wait until starting alarm ends and/or your screen is showing proper information before engaging engine.

- 8) **Machine won't start.** Check compartment doors. Make sure all doors are closed. They have safety switches to shut down/keep machine from starting. Sometimes in cold weather with melting and freezing ice/water can make them stick. Emergency stop buttons are sometimes accidentally pushed on entering and exiting the machine. Check the arm rest and if using the remote, the emergency switch on both.
- 9) **When using any hook type attachment or work platform/man basket.** Machine goes into hyper-sensitivity mode. Dynamic load for hooks and people in baskets. **When not on outriggers** sure machine is on level ground hooking on to these attachments. Keep your extension and height to a minimum. When driving with these attachments, the machine will certainly let you know what you can and cannot do.
- 10) **On all out riggers and machine won't operate properly.** Make sure you are in neutral and parking break is on.