

IMPORTANT

Avoiding Impeller Freeze-Up

Impeller freeze-up occurs when ice “welds” the impeller to the drum blocking the rotation of the impeller.

Snow blowers are especially susceptible to freeze-up immediately after use when the machine is stored outside or in an un-heated garage where the temperature is below freezing.

Residual snow in the discharge chute and drum melts in the heat of the engine and drips onto the freezing floor of the impeller drum where it immediately freezes solid (instead of running out the rear drain of the impeller drum). This frozen water will pool and “weld” the impeller to the drum (see picture).



If the impeller becomes frozen, when you engage the auger/impeller the impeller will not turn and the belts will start to burn up &/or the impeller shear-pin will break. To avoid this, we recommend manually spinning the impeller before starting the snow blower to ensure it moves freely. If already frozen, a hairdryer will usually clear the ice quickly.

To avoid impeller freeze-up when storing in cold conditions, we recommend:

- 1) Run the auger/impeller for a few minutes after snow blower use to clear any residual snow.
- 2) After shutting off the snow blower, dust off any remaining snow.
- 3) Manually spin the impeller so that none of the blades point straight down.
- 4) Place a heat-source (an incandescent light bulb works well) in the housing (see photo).
- 5) Tarp the snow blower to retain the heat and to keep additional snow off the machine.

