

Carbon Drive Winter Performance and Maintenance

In general Gates Carbon Drive belt systems perform very well in adverse conditions. However, some basic maintenance or protection may be necessary in some situations. Here are some guidelines specific to winter use conditions:

- For applications that will see occasional snow or debris being packed into the rear sprocket, a higher installation tension is advised to help with clearing the debris through the relief ports of the sprockets
- If belt drive system is exposed and left out to accumulate snow or ice, it is recommended to remove the accumulation before riding
- If heavy or wet snow becomes packed up around the rear sprocket, it is advised to clean it out before continuing to ride
- In conditions where wet, heavy snow is expected to become packed into the drive, a guard or deflector is recommended to keep debris out of the drive

If debris is packed into drive too tightly, the sprocket or belt can derail, which can cause damage to the cords and potential failure. Higher installation tensions can help, but will not prevent this potential failure entirely.

Applications that routinely operate in harsh snow or ice conditions should use a cover or deflector to eliminate these issues.

