

# Cascadia & WST TitanX Heavy Duty Radiator



Proposed Aluminum Top Tank Concept

## Topic Background:

1. High mileage failures top tank cracking: 2017 to 10/2/2023
2. Leak in Rad core caused by lack of rib braze in cross tube: June 2022 to January 2023
3. Leak in Rad core caused by lack of rib braze between vertical fin & tube: November 2024 to March 2025

## Progress Updates:

1. High mileage failures – new diecast aluminum top tank due to be released into production early 2026
2. Lack of rib braze in cross tube – permanent aluminum raw material supplier change (January 2023)
3. Lack of rib braze between fin & tube – control limits were increased to validate fin amplitude stays within tolerance

## Topic Resolution Info:

1. Topic undergoing closure review
2. Replace radiator per workshop manual