

Problem Details:

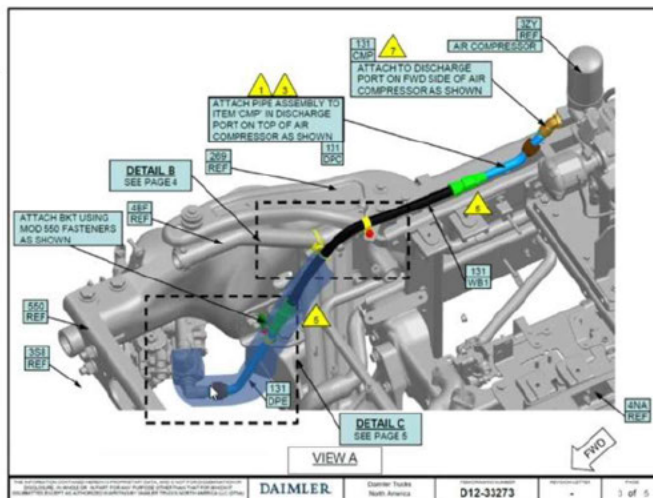
- Air compressor stops building air due to ice blockage at discharge line overflow valve.
- When discharge line becomes blocked, air compressor relieves pressure through relief valve on housing and sprays compressor oil
- Occurs in high-humidity near (+/-) freezing environmental conditions

Affected Models / Truck options:

- Affected vehicles: all eCascadias & eM2

Responsible Supplier:

- Bendix / DTNA



Production Containment:

☒ No ☐ Yes

- None

Field Containment (short term):

☒ No ☐ Yes

- None

Root Cause:

☐ No ☒ Yes

- Moisture accumulates in spring chamber of overflow valve, then freezes, disabling valve
- Original theory was ice blockage in the air stream but this has been proven untrue

Long Term Corrective Action Plan:

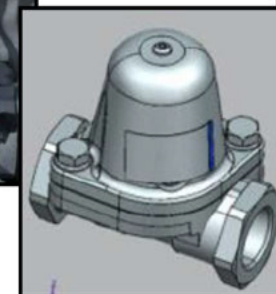
☐ No ☒ Yes

- Splash cover will be added in production mid-2025

Long Term Field Plan:

☐ No ☒ Yes

- Service Bulletin TSB-13-007-FTL with instructions for thawing valve and installing insulation
- Service Bulletin will be revised when splash cover becomes available.



13-007 Air Compressor Discharge Line Blocked by Ice in Cold Weather

TSB-13-007-FTL

Creation Date:2024-12-18

Engine or Vehicle Affected:

► eM2

► eCascadia

Warranty applies to this described condition. See the warranty information at the end of this bulletin.

Described Condition

On eCascadia and eM2 vehicles, specific environmental conditions near freezing (both slightly above and below), where significant moisture and humidity are present, can lead to an ice blockage in the compressor discharge line overflow valve. As a result, the compressor will no longer build air and may blow air and mist oil out of a pressure relief valve on the compressor housing. This issue typically occurs upon startup of the vehicle but could also happen during operation under certain rare conditions. Follow the detailed procedure below to fix in the event this occurs, or if a vehicle is operating in conditions where this may occur.