

SB-10057503-5135



Technical Information Bulletin

01-062

Section

HVAC - 01

Subject

T680/T880 Espar Sleeper Heaters Overheating

Release Date

11/20/2014

Revision

11/26/2014: Destroy all take-off parts.

Condition

The Espar heaters may experience a frequently recurring overheat fault with about 30 minutes between overheating events.

Chassis Affected

All T680 and T880s built before 01/05/2015 with factory-installed Espar sleeper heater system.

Action

FIX-AS-FAIL

If a customer comes into your dealership complaining of frequent sleeper heater malfunctions, perform the inspection and repair attached below.

Warranty

Through Standard Warranty and any applicable Extended Warranty, Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- 1.0 hours labor to inspect the heater and replace the ducting. (Use Quick Claim code 01-62)
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first.

CLAIM CODING

Failure Location: 001-004-044	Work Accomplished: 35
Failure Type: 185	Responsibility Code: 05
SRT Code: 001-250 .50 hour and 001-XXX .50 hour	Claim Type: N
Supplier Code: 14174AA	

NOTE: Destroy all take-off parts.

Parts

Parts are available from PACCAR Parts.

Quantity	Part Number	Description
1	22.1000.01.0036	2.95 in. (75 mm) flange, universal (register)
1	22.1000.01.0052	2.95/3.54 in. (75/90 mm) flat 30 degree outlet (register)
1	20.2781. 50.0001	2.95 in. (75 mm) ducting (sold in one meter lengths)
2	5550002	2.95 in. (75 mm) duct clamps
1	22.1000.01.0028	2.95 in. (75 mm) hood, 90 degree bend

Background

Several claims have been submitted because drivers have experienced recurring overheat faults and were forced to manually re-start the heater throughout the night to keep warm. At altitudes above 4,000 feet Espar heaters may experience overheat fault codes 12 and 13, recurring about every 30 minutes.

Espar sent a team to diagnose the issue and it was determined that airflow restriction due to undersized ducting, in conjunction with high-elevation operation, was causing the overheat faults.

The field-proven solution is to increase duct diameter to 2.95 in. (75 mm), up from the 2.36 in. (60 mm) ducting that was originally fitted to the Espar heater system. This results in lower system backpressure and proper heater operation.

If the repair is not performed, the consequence will be a high number of overheat faults under the described conditions. The heater is equipped with an overheat-sensor that shuts off the system when it senses an internal temperature of 257°F (125°C), eliminating the risk of fire.

Attachments



Procedure

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