

FS010: Horton Fan Controller Adapter Harness Failure – Fan Remains Activated

5/19/2022

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FS010

Section

Cooling - 42

Subject

Horton Fan Controller Adapter Harness Failure – Fan Remains Activated

Condition

A wiring harness adapter failure may occur when the harness adapter is bent excessively. This is due to the harness covering not providing enough protection from external forces.

Symptoms Include:

- Fan drive remaining activated at all times
- Di+ Controller LED Indicator Light flashing Red and Yellow
- Check Engine Light (CEL) may activate, producing Diagnostic Trouble Codes (DTC) 6637 and/or 3838.

Chassis Affected

288 Model T680 NextGen chassis equipped with a Cummins X15 engine and RCX230 fan clutch.

Action

Campaign

Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.

Service all chassis affected that enter your dealership, even if the customer has no issue with the chassis.

Use the procedure below. Review SIR for "Complete" next to the "FS010" campaign code prior to performing this repair.

Warranty

For repairs completed by 06/01/2023, Kenworth will pay for parts at dealer net plus applicable mark-up and labor:

- 0.6 hours labor to replace the jumper harness and clear related DTCs. Use Quick Claim Code FS010.
- File an additional claim for extraordinary circumstances. A quick claim for standard labor must be filed first.
- File the claim within 14 days in accordance with [CA009](#).

Take-Off Parts Disposition: Destroy take-off parts 30 days after claim is paid

PRWS CLAIM CODING			
Campaign Code:	FS010	Campaign Type	Fleet
Claim Category:	Truck	Repair Type	Proactive
Customer Concern Code	163	Causal Code	38
Corrective Action Code	13	Responsibility Code:	CampSupp
Failure Location	042-003-024	Causal Part	F17-1056
Supplier Code	08369AB	SRT Code	B42-060 0.3 hrs Replace the fan clutch harness jumper 045-298 0.3 hrs Connect INSITE™, troubleshoot, and clear codes.

Parts

Parts are available from PACCAR Parts.

Quantity	Part Number	Description
1	103803H0R	Harness

Procedure

Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired and maintained.

Fan Clutch Harness

1. Remove the 103468 adapter harness from the fan drive harness and DI+ controller.
2. Install the 103803H0R adapter harness.
3. After electrical connectors are installed, turn the ignition key to the "on" position. The DI+ controller will have a steady green LED light illuminated when the adapter harness is connected correctly.

Fan Clutch Controller LED

4. Check for proper fan hub operation.
 - Start Engine. Wait for fan hub to disengage
 - Check dash light for fan status
 - Use dash switch to engage fan
 - Use dash switch to disengage fan. Wait for "minimum fan run time" and ensure that fan disengages.
5. Using Cummins INSITE™, ensure that any related DTCs are cleared.

Attachments

[Chassis List](#)

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