

FLA COE  
 FLB COE  
 FLD Conventional  
 Business Class  
 FLC 112 Conventional

Century Class Conventional  
 Argosy COE  
 Cargo  
 Columbia

122SD and Coronado  
 > Business Class M2  
 Cascadia  
 > 108SD/114SD

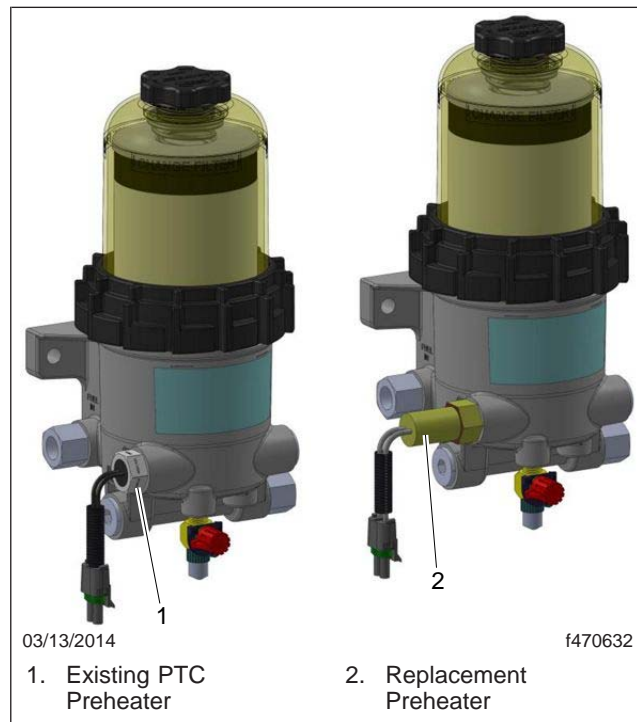
Freightliner  
 Service Bulletin

Effective December 3, 2013 DAVCO Fuel Pro and Diesel Pro preheaters were upgraded to positive temperature coefficient (PTC) 195w heater technology. This technology uses less amperage during operation, however there is an "in rush" current spike that exceeds 20amps for up to 5 seconds at initial start-up. Due to this "in rush" current spike the M2, 108SD, and 114SD chassis electrical control module (ECM) may activate fault code SA 33 SPN 6897 FMI 6 when the engine is first started.

To resolve this fault code, replace the DAVCO fuel/water separator preheater. See [Table 1](#) under "Parts" for the correct replacement preheater.

## Preheater Replacement

Refer to [Fig. 1](#) for this procedure.



**Fig. 1, DAVCO Preheater Installation**

1. Park the vehicle on a level surface, shut down the engine and set the parking brake. Chock the tires.
2. Drain the fuel from the fuel filter into an appropriate container.
3. Clip the zip-ties holding the wire harness in place.
4. Disconnect the wire harness.
5. Remove the PTC style preheater.
6. Install the replacement preheater.
7. Connect the wire harness.
8. Secure the wire harness in place with zip-ties.

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9. Prime the fuel filter.
10. Start the engine and check for leaks. Repair as needed.

## Parts

Parts are available through the PDCs. [Table 1](#) lists replacement parts for this procedure.

DAVCO Fuel/Water Separator Replacement Preheater		
DAVCO Fuel Filter Type	Replacement Preheater Part Number	Description
Fuel Pro 383/482	DVC 102900	Preheater
Diesel Pro 243	DVC 240013SDAV	Preheater

**Table 1, DAVCO Fuel/Water Separator Replacement Preheater**

## Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 2](#) for QuickClaim damage code and labor allowance information. Refer to this service bulletin by number at the beginning of the claim comments. See [Table 3](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

QuickClaim Damage Code and Labor Allowance			
Damage Code	SRT Code	Description	Time: Hours
122-001A08	122-5006A	DAVCO, PRE-HEATER, R&R	0.6

**Table 2, QuickClaim Damage Code and Labor Allowance**

OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
DVC 103528	044-002-041	08	122-5006A	DAVCO, PRE-HEATER, R&R	0.6

**Table 3, OWL VMRS Codes and Labor Allowance**