

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

Description of Revisions: *This bulletin replaces the version dated April 2011. Argosy COE is now covered by this bulletin.*

General Information

NOTE: This bulletin is being published simultaneously with Detroit Diesel bulletin No. 11 TS-5 (supersedes 09 TS-38), and covers the same issue. For more information, contact the Detroit Diesel Customer Support Center. Color pictures of the contamination are available on the Detroit Diesel website.

The coolant filter may become plugged with debris or gel due to the silicate additive dropping out of conventional coolant. This issue does not affect engines factory filled with extended life coolant. Inspect for this at the normal filter change interval.

Inspection Procedure

At the engines first scheduled maintenance interval, perform the following.

1. Remove the coolant filter cap and filter, and inspect the coolant filter.
2. If the coolant filter is clean (no white flakes or gel present) replace the original filter and release the vehicle back to the customer.
3. If there is a visible gel built up on the filter, replace the filter (use a plain filter p/n DDE A4722030255 or a need release filter p/n DDE A4712030155), add a pint of Powercool 3000 System Aftertreatment (p/n PIC 23507854). Top off the coolant in the system, and release the vehicle back to the customer. See [Fig. 1](#). Make sure that the under side of the filter has no white residue.

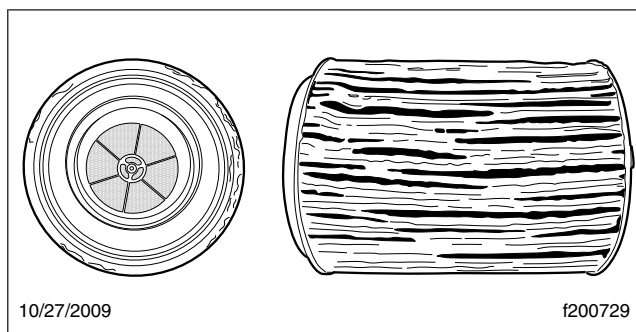


Fig. 1, Filter With Gel Only (gel may be clear or have a slight green tint)

4. If there is a buildup of white residue and gel on the filter and in the filter housing, follow the repair procedure below. See [Fig. 2](#) for white residue build up with gel.

Repair Procedure

1. Install the original filter and cap, then pressure test the entire cooling system.
If leaks are found, repair as necessary. Go to the next step.
If no leaks are found, go to the next step.
2. Pressure test the radiator cap and fill cap to verify that they hold the correct rated pressure.
If either pressure cap will not hold the rated pressure, replace the effected cap(s) and go to the next step.

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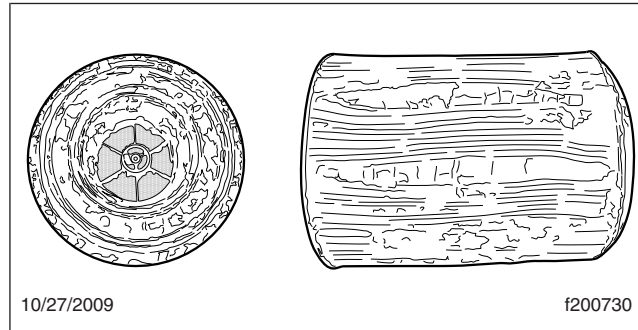


Fig. 2, Filter with Gel and White Residue

If the pressure caps are functioning properly, go to the next step.

3. Drain the coolant from the radiator, and from the block drain next to the oil/coolant module.
4. Remove the water pump and inspect the water pump and the module for damage.

If there is no damage, install the water pump and replace the coolant filter.

If there is damage present on any component, replace the effected component(s) and the thermostat.

5. Thoroughly flush the cooling system to remove all white residue, fill it with new coolant, and release the vehicle back to the customer.

Warranty

Normal warranty procedures apply only if a vehicle experiences a performance issue, check engine light for a coolant filter related issue, or if the coolant filter was removed per the regularly scheduled maintenance as shown in the DD15 Operators Manual (DDC-SVC-MAN-0003). Proactive coolant filter replacement other than what is recommended in the DD13 or DD15 Operators Manual (DDC-SVC-MAN-0051 or DDC-SVC-MAN-0003) for regularly scheduled maintenance will NOT be covered under standard warranty or extended service coverage.

If warranty applies, file the claim as follows.

For Freightliner dealers, file the claim under truck warranty using the radiator as the Primary Failed Part (PFP). See [Table 1](#) for QuickClaim damage code and labor allowance information. Refer to this service bulletin by number at the beginning of the claim comments. See [Table 2](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the "Service Bulletin #:" field. Warranty will only be paid if the factory-installed parts described in this bulletin have failed. Preventive repairs will not be paid.

For Detroit Diesel distributors, file the claim under type 8 using the radiator as the Primary Failed Part (PFP). Contact Detroit Diesel Customer Support Center for further information on filing claims.

QuickClaim Damage Code and Labor Allowance			
Damage Code	SRT Code	Description	Time: Hours
266-000A05200	266-5020A	DD13/DD15/DD16 Only, Pressure check system, inspect water pump and thermostat, install new coolant	2.1
266-000A05200	266-5020B	DD13/DD15/DD16 Only, Pressure check system, inspect and r/r water pump, thermostat, and oil module, install new coolant	3.2

Table 1, QuickClaim Damage Code and Labor Allowance

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OWL VMRS Codes and Labor Allowance				
Component Code	Cause Code	SRT Code	Description	Time: Hours
042-002-001	15	266-5020A	DD13/DD15/DD16 Only, Pressure check system, inspect water pump and thermostat, install new coolant	2.1
042-002-001	15	266-5020B	DD13/DD15/DD16 Only, Pressure check system, inspect and r/r water pump, thermostat, and oil module, install new coolant	3.2

Table 2, OWL VMRS Codes and Labor Allowance