

FLA COE
FLB COE
FLD Conventional
Business Class
FLC 112 Conventional

Century Class Conventional
Argosy
Cargo
Columbia
122SD and Coronado

> Business Class M2
Cascadia
> 108SD/114SD
New Cascadia

**Freightliner
Service Bulletin**

General Information

On some vehicles, the shunt line coolant hose is disconnecting from the surge tank, resulting in excessive coolant loss and vehicle downtime. Replacing the constant tension clamp with a Breeze® brand clamp resolves the issue. See [Fig. 1](#).



Fig. 1, Breeze® Brand Clamp

NOTE : These instructions apply to all MDEG with the nominal sized coolant hose (vehicles built prior to October 2019.)

Parts

Part Number	Description	Quantity
BRZ CT 9416	CLAMP-HOSE,CONSTANT	2

Table 1, Parts Required

Replacement

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. Open the hood.

WARNING

Drain the coolant only when the coolant and engine are cool. Draining the coolant when it is hot could cause severe personal injury due to scalding.

3. Drain the coolant.
 - 3.1 Remove the surge tank cap.
 - 3.2 Place a clean container at the bottom of the radiator.
 - 3.3 Open the draincock at the bottom of the radiator.
4. Locate the shunt line coolant hose.
5. Remove the constant tension or shrink band clamps that secure the coolant hose to the surge tank and the engine. See [Fig. 2](#).

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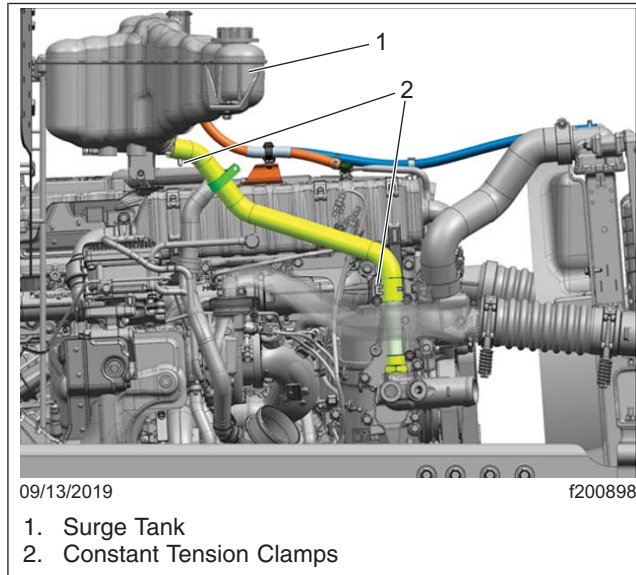


Fig. 2, Coolant Hose with Constant Tension Clamps

6. Remove the shunt line coolant hose and discard the clamps.
7. Inspect the hose for damage and replace if necessary.
8. Attach the new Breeze® brand clamps (P/N BRZ CT 9416) on the 1-inch diameter at the surge tank and at the engine. Tighten the clamps 55 to 65 lbs-in (621 to 734 N-cm).
9. Fill the surge tank with the appropriate coolant.
10. Start the engine and check for the coolant leaks. Repair any leaks.
11. Close the hood.

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 OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

OWL VMRS Codes and Labor Allowance				
Primary Failed Part	Component Code	Cause Code	Description	Time: Hours
Shunt Line - Radiator	042-002-083	18	Coolant Lines, R/R	0.5

Table 2, OWL VMRS Codes and Labor Allowance