

FLA COE
FLB COE
FLD Conventional
Business Class

FLC 112 Conventional
Century Class Conventional
Argosy COE
Cargo

Columbia
Coronado
> Business Class M2
Cascadia

**Freightliner
Service Bulletin**

General Information

Freightliner has received reports from the field concerning surge tank leaks. This occurs when the tank seams split or cracks develop in the side-wall of the tank, as shown in [Fig. 1](#). Most likely, the pressure protection valve on the back of the tank is plugged with contaminate, causing the tank to over-pressurize and split.

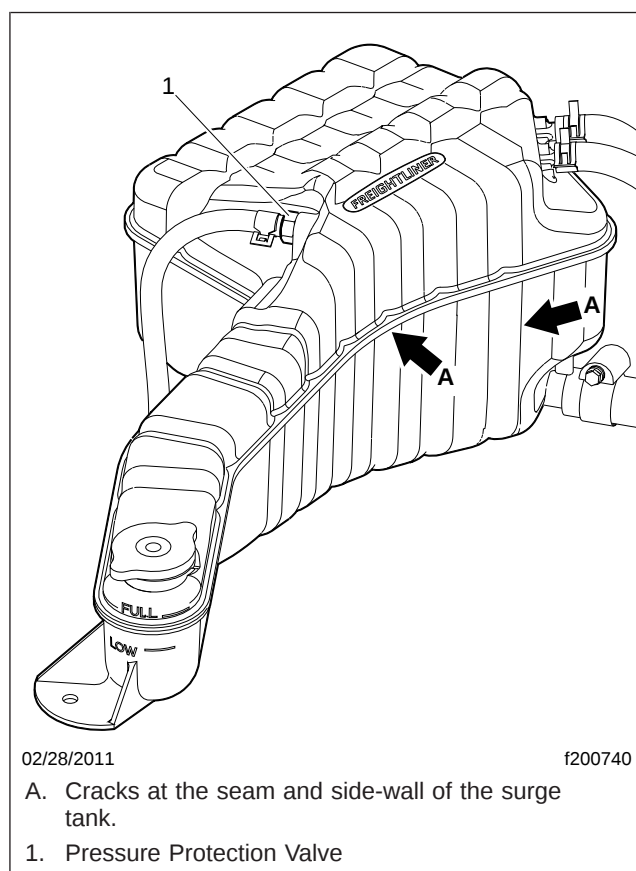


Fig. 1, Surge Tank Cracks

Surge Tank Replacement

In the event that the surge tank is damaged, flush the contaminated coolant from the system and drain the surge tank. Replace the surge tank using instructions in [Section 20.01, Subject 130](#) of the *Business Class M2 Workshop Manual*. The pressure protection valve will also need to be cleaned or replaced at the same time the new tank is installed.

Pressure Protection Valve Cleaning

1. Park the vehicle on a level surface, shut down the engine, set the parking brakes. Chock the tires.
2. Allow the engine coolant time to cool down.

NOTE: It is not necessary to drain the surge tank in order to clean the pressure protection valve.

3. Disconnect the air filter assembly from the mounting bracket and intake tubes. Secure it out of the way.

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4. Remove the four mounting bolts from the surge tank.
5. Move the end of the tank away from the frontwall to access the pressure protection valve on the back of the tank.
6. Remove and clean the pressure protection valve.
7. Install the pressure protection valve.
8. Pressure test the pressure protection valve.
 - 8.1 Remove the surge tank pressure cap.

NOTICE

Do not exceed 18 psi, or the surge tank may be damaged.

- 8.2 Using a radiator pressure tester, pressurize the surge tank to 18 psi.

At 17 to 18 psi, the pressure protection valve should open and relieve pressure in the system. If it does not, replace the valve with a new one. If it does, go to the next step.

9. Position the surge tank, and install the fasteners. Do not over tighten.
10. Install the air cleaner.

Parts

Replacement parts are available from the Parts Distribution Center (PDC). See [Table 1](#).

Coolant Surge Tank Replacement Parts		
Description	Part Number	Quantity
Coolant Surge Tank	05-23195-000	1
Pressure Protection Valve	23-13568-000	1

Table 1, Coolant Surge Tank Replacement Parts

Warranty

This is an informational bulletin only; warranty does not apply.