

FLA COE
 FLB COE
 > FLD Conventional
 > Business Class

> FLC 112 Conventional
 > Century Class Conventional
 > Argosy COE
 > Cargo

> Columbia
 > Condor
 > Coronado
 > Business Class M2

General Information

New stainless steel lower radiator tubes supersede painted mild steel lower radiator tubes. The paint on the mild steel tubes is often chipped by road debris. Where bare metal is exposed in the paint chips, de-icing chemicals can cause serious corrosion and ultimately, failure of the radiator tube.

On vehicles operating where de-icing chemicals are used, the stainless steel parts should outlast mild steel ones almost indefinitely, reducing repairs and down time.

Parts

Mild Steel Tubes	Stainless Steel Tubes
A05-16380-000	A05-16380-002
A05-16384-000	A05-16384-001
A05-16524-000	A05-16524-001
A05-19140-000	A05-19140-002
A05-16601-000	A05-16601-004
A05-15415-000	A05-15415-001
A05-15184-000	A05-15184-001
A05-15443-000	A05-15443-001
A05-16525-000	A05-16525-002

Table 1, Mild Steel to Stainless Steel Lower Radiator Tube Supersession Crossover

Procedure



WARNING

This procedure involves draining potentially hazardous hot coolant, which could cause physical injury. Take appropriate precautions, and let the coolant reach a safe temperature before draining it.

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires, and open the hood.
 For a COE, tilt the cab; refer to the cab-tilting instructions in **Group 60** of the *Century Class Workshop Manual*; for a Condor, refer to the cab-tilting instructions in **Group 60** of the *Condor Workshop Manual*.
2. Open the coolant drain cock (see **Fig. 1** and **Fig. 2**) and drain the engine coolant into a suitable clean container.
3. Disconnect the heater hose from the lower radiator tube.
4. Loosen the radiator hose clamps, and slide them up the coolant hose.
5. Remove the lower radiator tube from the vehicle.
6. Transfer the coolant drain cock and heater hose fittings to the new lower radiator tube, in the same positions as on the old ones. Use Teflon® thread sealer on each fitting. Be sure the drain cock is closed, and check that all fittings are tight.

NOTE: If any of the hoses or hardware are damaged, replace them with new parts.

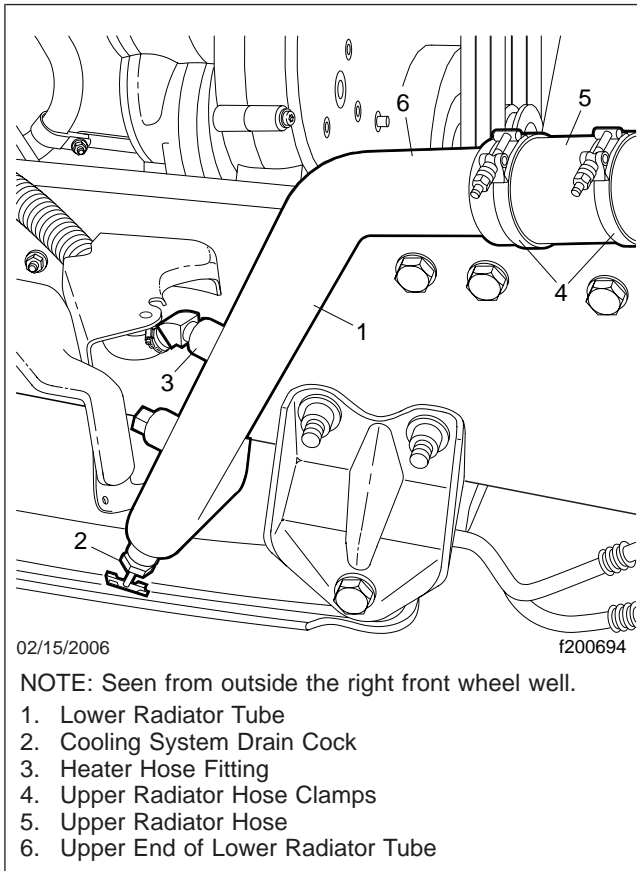
7. Insert the new lower radiator tube securely into the lower radiator hose.

Freightliner Service Bulletin

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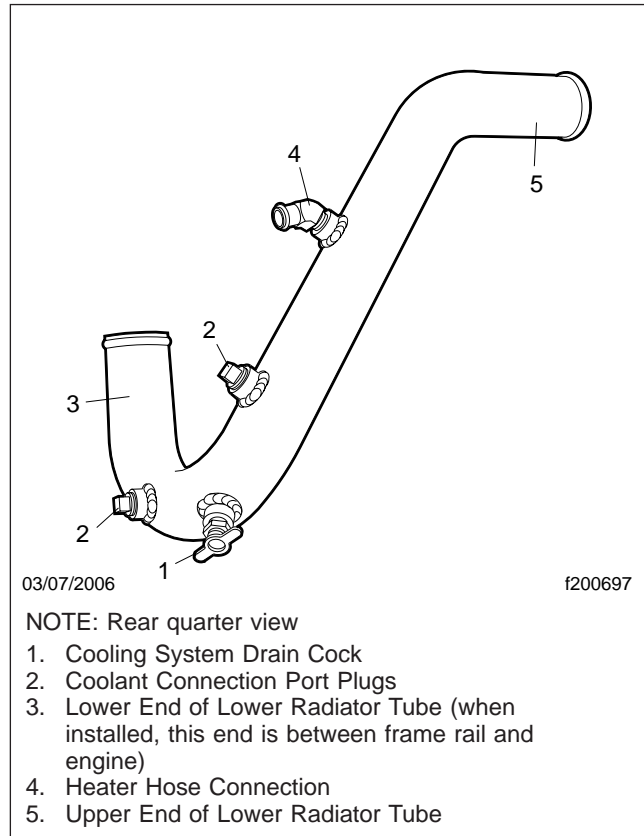
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NOTE: Seen from outside the right front wheel well.

1. Lower Radiator Tube
2. Cooling System Drain Cock
3. Heater Hose Fitting
4. Upper Radiator Hose Clamps
5. Upper Radiator Hose
6. Upper End of Lower Radiator Tube

Fig. 1, Lower Radiator Tube Assembly



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NOTE: Rear quarter view

1. Cooling System Drain Cock
2. Coolant Connection Port Plugs
3. Lower End of Lower Radiator Tube (when installed, this end is between frame rail and engine)
4. Heater Hose Connection
5. Upper End of Lower Radiator Tube

Fig. 2, Lower Radiator Tube

8. Insert the other end of the radiator tube into the upper radiator hose.
9. Move the hose clamps into position, and tighten.
10. Install the heater hose on its fitting.
11. Be sure all connections are tight, then fill the system with coolant.
12. Bleed the cooling system to remove air bubbles.
13. For a COE, lower the cab; refer to the cab-tilting instructions in **Group 60** of the *Century Class Workshop Manual*; for a Condor, refer to the cab-tilting instructions in **Group 60** of the *Condor Workshop Manual*.
14. Close the hood and remove the chocks.
15. Perform an operational test, and check for leaks.

Warranty

This bulletin is informational only; warranty does not apply.