

GLI FUEL LINES REPLACEMENT

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, the two (2) fuel lines connecting to the fuel line cooler can be replaced by new improved fuel lines providing better high temperature resistance and better service life.

MODEL YEAR(S) AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS	
Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.	
Model	VIN
X3-45 coaches Model Year : 2008 - 2009	GLI Vehicles only: From 2PCG334908C729426 up to 2PCG334959C729794 incl.
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery. The owners of the vehicles affected by this bulletin will be advised by a letter indicating the Vehicle Identification Number (VIN) of each vehicle concerned.	

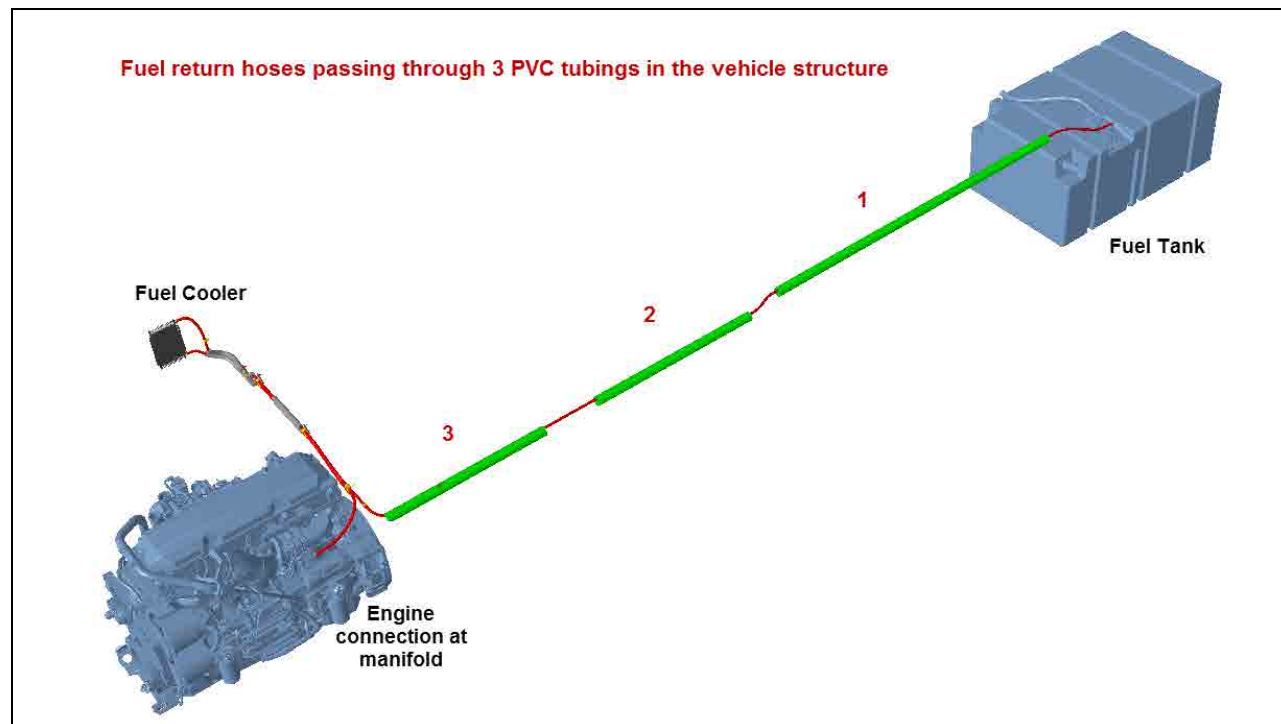


Fig.1 Overview of the hoses to be replaced and their path through the PVC tubing .

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MATERIAL NEEDED

Order the following parts:

Part No.	Description	Qty
032995	FUEL HOSE 2200mm Long Assy.	1
033001	FUEL HOSE 7800mm Long Assy.	1
504014	Hose Clamp 1/4 - 5/8 SS HM-4	2
N35329	567 Loctite Thread Sealant or equivalent	As Req.
952629	P-Clamp ZP 15.9x12.7	11

Other parts that may be required:

Part No.	Description	Qty
033184	Hose Protector 300mm	As Req.

NOTE

Material can be obtained through regular channels.

PROCEDURE

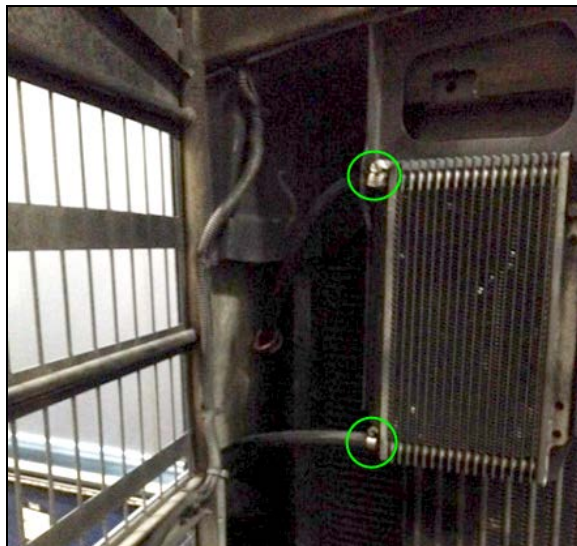


DANGER

Park vehicle safely, apply parking brake, stop engine. In the battery box, set the battery cut-off switch to the OFF position prior to working on the vehicle.

Return fuel lines are not pressurized; however, some remaining fuel may leak when the fuel lines are disconnected.

- 1) In the radiator compartment, locate the fuel cooler and disconnect the two cooler hoses.



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Fig.2 Fuel collar and hoses.

- 2) From the curb side engine door, disconnect the fuel return hose from the intake manifold.

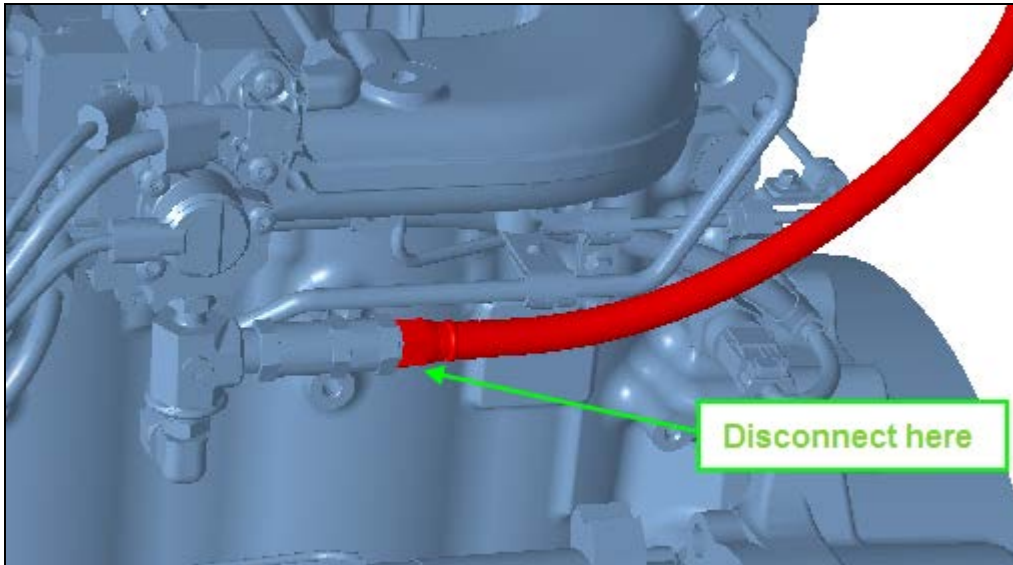


Fig.3 Return hose connection at the regulator (intake manifold).

- 3) From under the vehicle, remove the two hoses from the P-clamps located on the front engine compartment wall and *remove and discard all the P-clamps*.

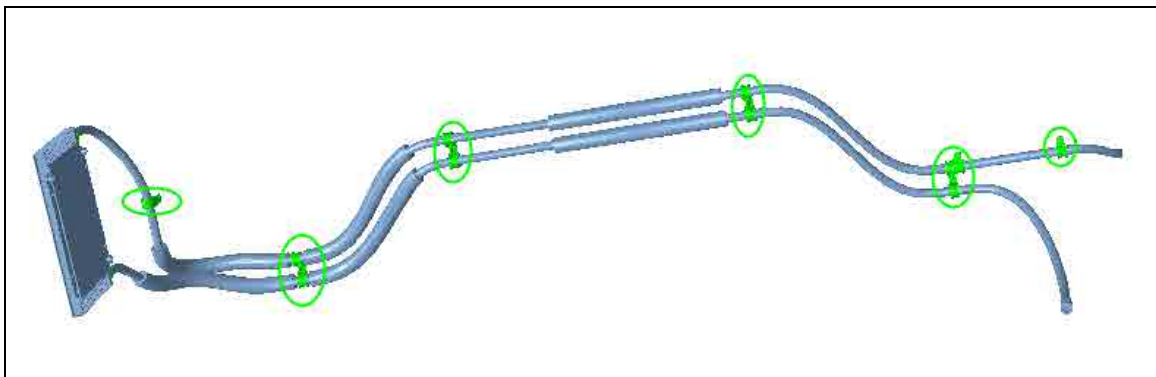


Fig.4 Remove all P-clamps holding the hoses to the engine compartment wall and discard them.

- 4) Remove the cooler to engine hose from the vehicle.

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- 5) Remove hose protectors from the hose and reinstall them on the new hose.

NOTE: If the hose protectors show any signs of deterioration that could affect their function, replace them using part # 033184

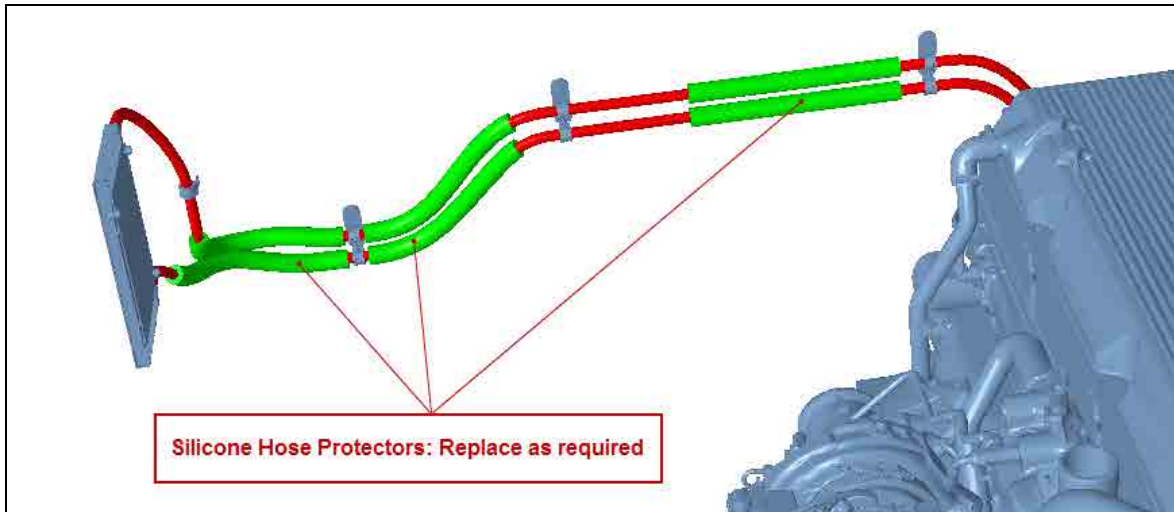


Fig.5 Silicine hose protectors.

- 6) Install the new cooler to engine hose, use a new hose clamp at the cooler end and Loctite 567 thread sealant or equivalent at the manifold connection. Secure the hose to the engine wall compartment using P-clamps following the original routing.

NOTE: Replace all P-clamps with part # 952629.

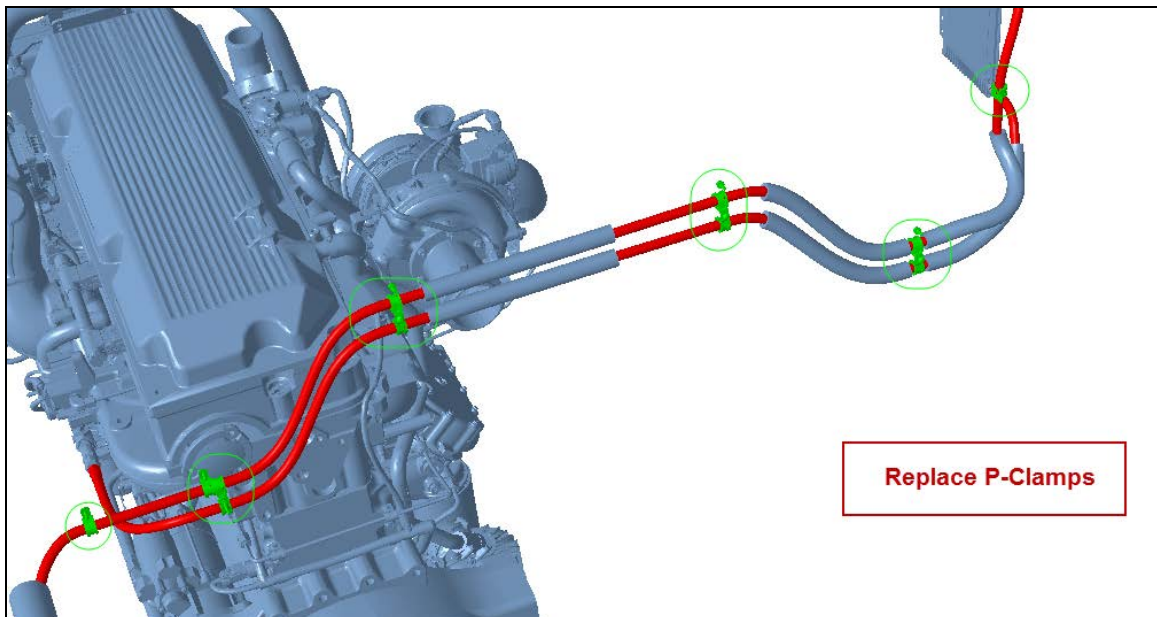


Fig.6 Replace P-clamps on hose assembly.

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- 7) Open the condenser compartment and tilt the condenser out of the way, the fuel tank connections are located on the fuel tank top behind the condenser.
- 8) Also open the fuel tank access door in the rear baggage compartment to give better access to the hose.



Fig.7 Fuel tank access door in rear baggage compartment.

- 9) Locate the fuel return hose on the top of the fuel tank and disconnect it from the tank.

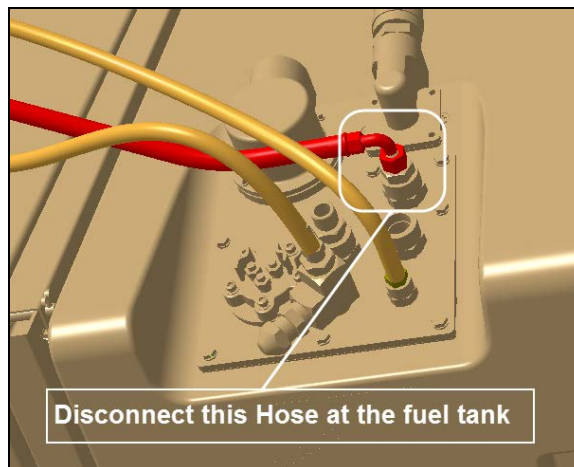


Fig.8 Fuel tank connections and return hose (top right corner).

- 10) Cut the metal fitting from the old hose at the tank connection.

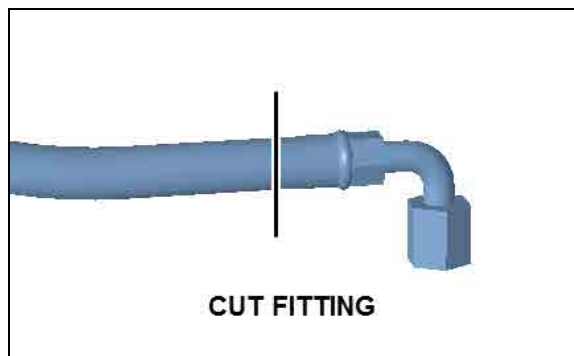


Fig.9 Make a straight cut to remove fitting.

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- 11) Using a brass coupler of suitable diameter and two hose clamps, temporarily connect the new hose cooler side to the old hose at the end where the fitting was previously cut.

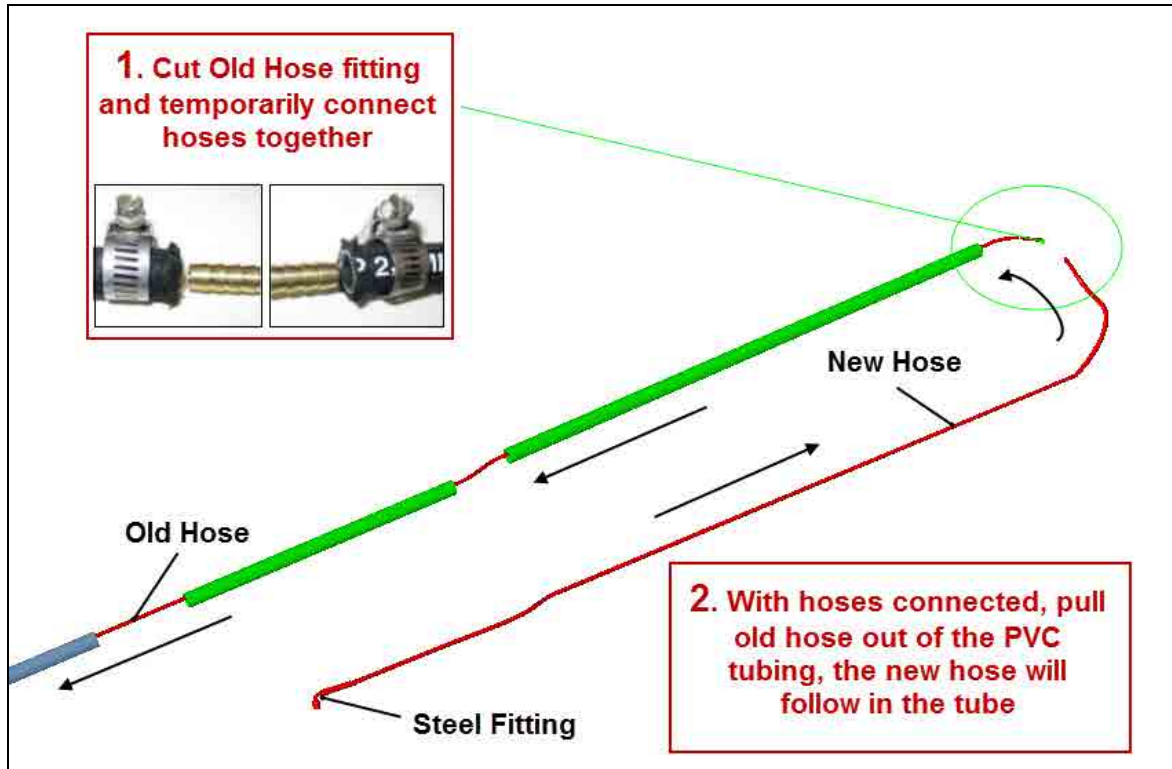


Fig.9 Both hoses connected together to facilitate insertion of the new hose in the PVC tubing.

- 12) From under the vehicle, at the exit of the PVC tubing, slowly pull out the old hose from the tubes, this "fishing" method will allow the new hose to be inserted in the tube by simply following the old hose. Continue until the new hose exits the tube, at this point the hoses can be disconnected and the remaining part of the old hose can be removed from the vehicle (remove the 3 hose protectors and reuse them on the new hose if they don't show signs of excessive deterioration).

INSTALLATION TIP: Wrapping the hose clamp with duct tape will help prevent the hose clamp ends from being caught in the tubes.

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- 13) Continue pulling until the new hose can be reconnected to the fuel cooler.

NOTE: Use new hose clamp # 504014. Hose protectors # 033184 must be installed before the hose is connected to the cooler.

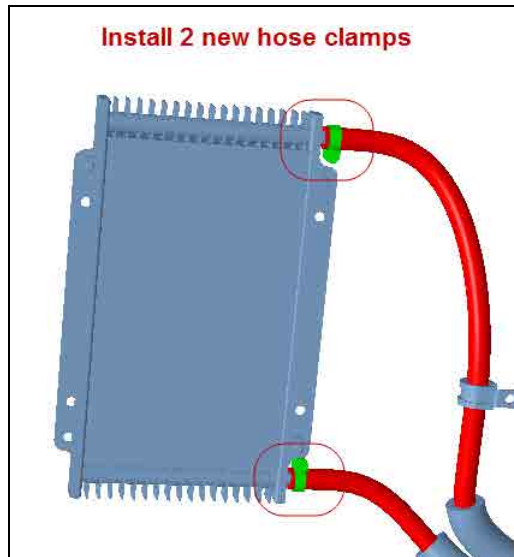


Fig.10 New hose clamps at both fuel cooler connections.

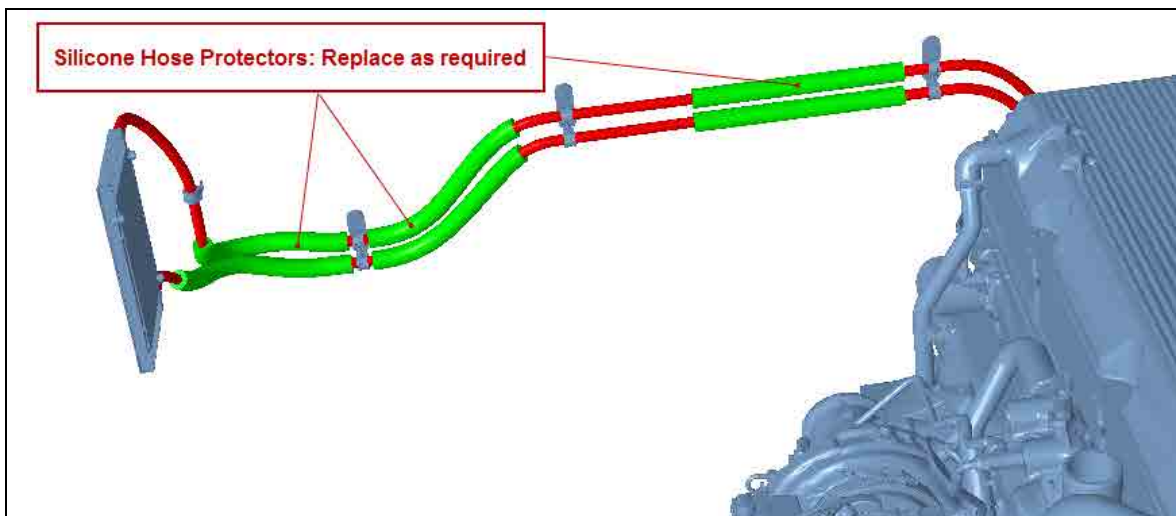


Fig.11 Silicene hose protectors.

- 14) Reinstall the new hose in the new P-clamps.
- 15) Connect the hose at the tank (use thread sealant).
- 16) Recheck all four connections (engine, tank and both cooler connections).
- 17) Put the ignition to the ON position to pressurize the fuel system and check for leaks.
- 18) If no leaks are detected, tests drive the vehicle until the engine reaches its operating temperature.
- 19) Stop the vehicle and check again for fuel leaks, re-torque as necessary.

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PARTS / WASTE DISPOSAL

Return replaced parts to Prevost with A.F.A. for full reimbursement. Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

ESTIMATED TIME

The time required to perform this special bulletin is approximately 6 hours.

OTHER

VBC Bulletin	N/A
Fail Code	03.03
Defect Code	09
System Condition	B
Causal Part	032726

Prevost engages in a continuous program of testing and evaluating to provide the best possible product. Prevost, however, is not committed to, or liable for updating existing products.