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Revision E: Gasket #531443 changed for #530212. This document supersedes previous versions.

FUEL TANK VENT HOSE REPLACEMENT

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, the fuel tank vent hose must be replaced with a hose that can withstand fuel vapor.

MODEL YEAR(S) AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS <i>Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.</i>	
Model	VIN
X3-45 Commuter Model Year : 2012	From 2PCG33495CC735053 up to 2PCG33495CC735232 incl. Except: 2PCG33492CC735169
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.	

MATERIAL NEEDED

Order the following parts:

Part No.	Description	Qty
503813	HOSE, VENT	1
504637	CABLE TIE, NYLON	2
507385	O-RING	1
531410	WHISTLE	1
530212	GASKET	1
5011351	FITTING, A ST 1 1/4 PF X 1 1/4 HOSE PVC	1
5011352	ELBOW, A 90 1 PM X 1 PF PVC	2

NOTE

Material can be obtained through regular channels.

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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.

1. Remove the fuel tank from the vehicle. To do so, proceed as follows:
 - a) Unscrew clamps retaining R.H. side filler tube to fuel tank (fig.1) and filler neck (fig.2). Disconnect tube and remove it.

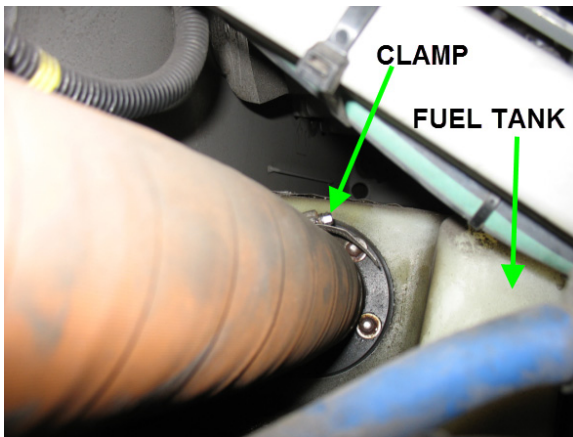


FIGURE 1

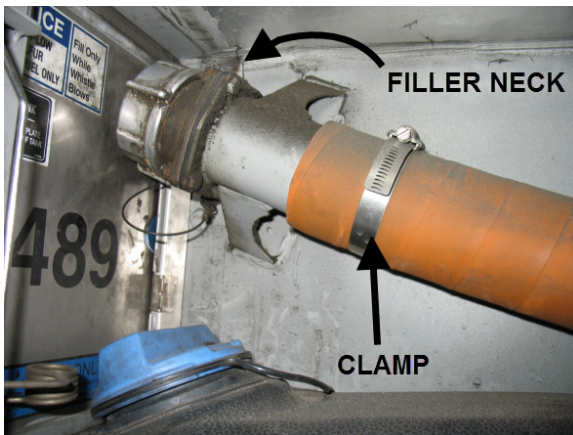


FIGURE 2

- b) Unscrew engine fuel supply (suction) and return lines from fuel tank connection panel (fig.3).

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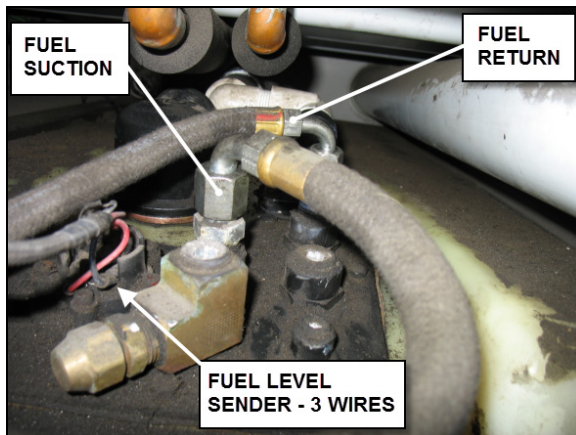


FIGURE 3

- c) Disconnect the fuel level sender electrical wires (3 wires). Prior disconnecting, identify the wires and proper terminal on the fuel level sender as reference for reinstallation (fig.3).
- d) Using mobile column lifts, raise the vehicle to gain access to the fuel tank support from underneath.
- e) Before removing the bolts securing the tank support to the chassis, lower the vehicle and make sure the tank support is adequately supported with jack stands or wood blocks. Failure to do so could result in injury as well as damage to the tank.
- f) Once properly supported, unscrew the bolts (6) holding the fuel tank support to the vehicle chassis (fig.4 & fig.5).

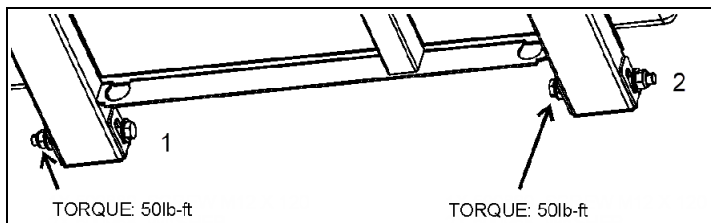


FIGURE 4

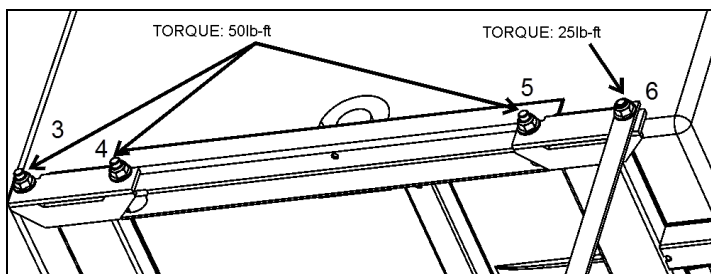


FIGURE 5

2. Using mobile column lifts, raise the vehicle. The fuel tank will rest on the floor.
3. Remove screws holding level control valve to fuel tank connection panel (level control valve identified on figure 6). Also remove cable tie from end of existing vent hose. Remove assembly from the tank.

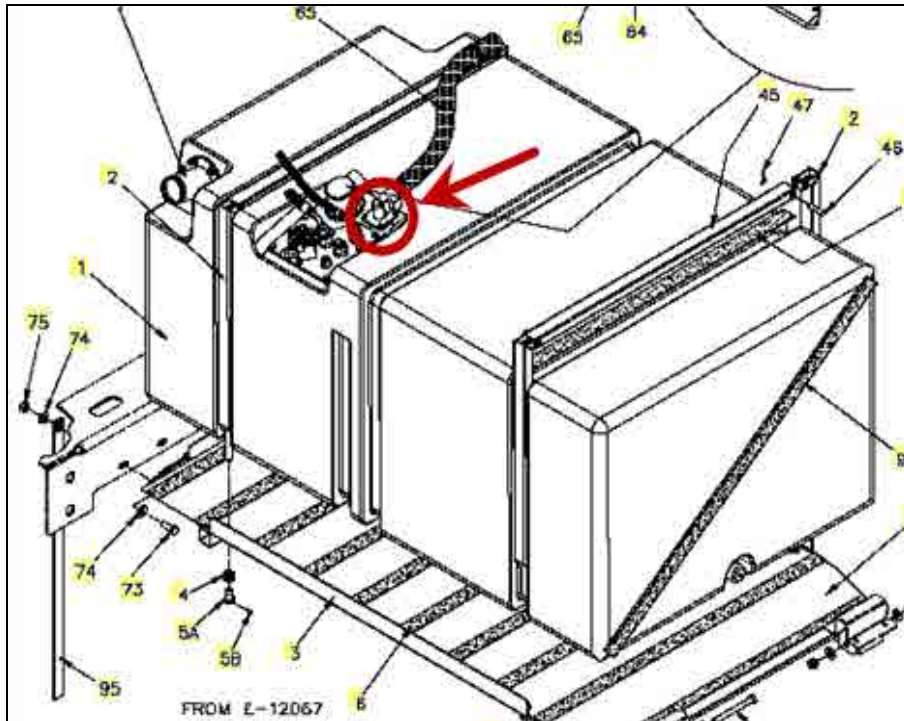


FIGURE 6

4. Remove old hose (figure 7, #65) and whistle fitting (figure 7, #28) from level control valve (figure 7, #26).

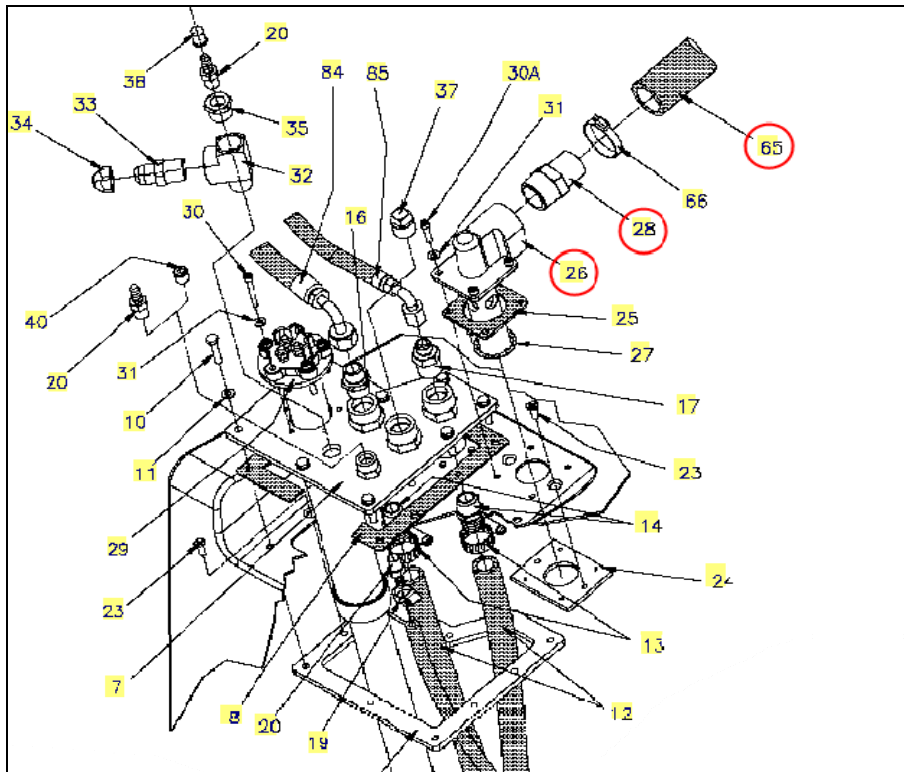


FIGURE 7

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5. Assemble new whistle fitting #531410, two elbow fittings #5011352, fitting #5011351 and new hose #503813 (see figure 8 & 9).

Be sure to use thread sealant on nylon pipe connections



FIGURE 8

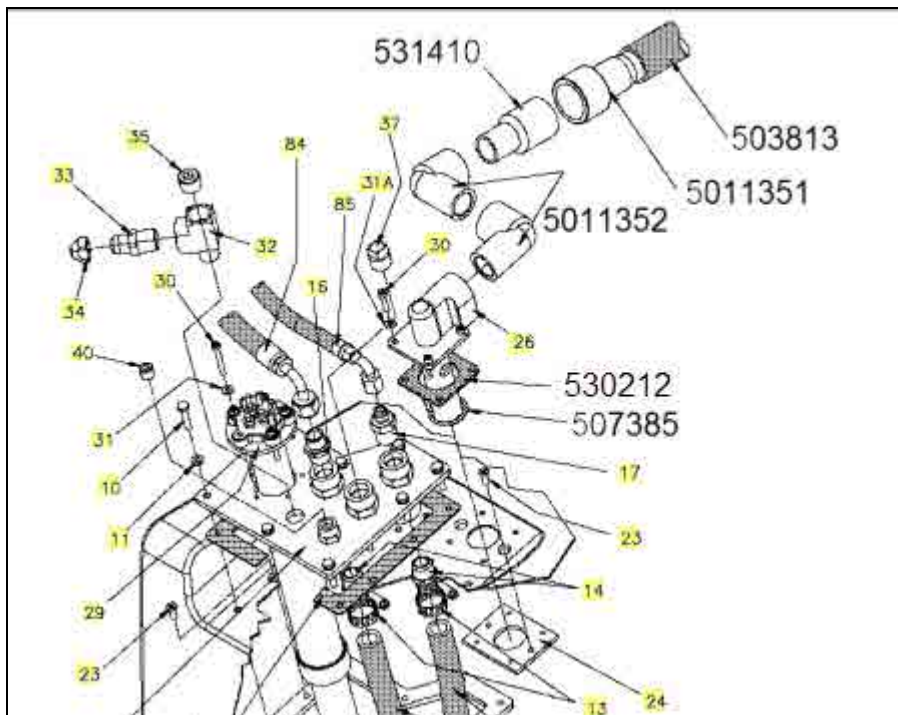


FIGURE 9: NEW PARTS ADDED, #507385, #530212, #5011352 (2x), #531410, #5011351 and #503813

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- Note the angle of the fittings on figure 10. This may have to be adjusted once it is installed to ensure it does not hit the A/C pipes at the top of the compartment



FIGURE 10

- Install updated vent assembly. Replace the gasket and the O-ring with **new O-ring #507385** and **new gasket #530212** (see figure 9).
- Torque screws and apply torque seal (recommended torque 7 lbf-ft).



FIGURE 8

- Install nylon cable ties #504637 on tank strap and work it down to the end of the tank with a long needle nose pliers. Install vent hose through it and secure cable ties with pliers. Be sure there is clearance between the hose fittings and the air conditioning line in the compartment (see figure 11).

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10. Reinstall the fuel tank similarly as the removal procedure, but in reverse order. Torque bolts securing the fuel tank support to the chassis to 50 lbf-ft, except the bolt securing the static wick which should be 25 lbf-ft.
11. Check for fuel leaks and proper dashboard fuel gauge operation.

PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

ESTIMATED TIME

The time required to perform this special bulletin is about 3 hours.

OTHER

VBC Bulletin	N/A
Fail Code	03.03
Defect Code	09
System Condition	B
Causal Part	503021

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.