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Revision _ : This document supersedes previous revisions.
n/a

AFTERTREATMENT HYDROCARBON DOSING MODULE, REPLACEMENT Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, it is necessary to replace the aftertreatment hydrocarbon dosing module.

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 Commuter Model Year : 2012	From 2PCG33495CC73 <u>5053</u> up to 2PCG33495CC73 <u>5232</u> 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.	

MATERIAL NEEDED

Order kit **SP15-303** which includes the following parts:

Part No.	Description	Qty
22452551	MODULE, AHI SYSTEM	1

NOTE
Material can be obtained through regular channels.

PROCEDURE

 DANGER
Park vehicle safely, apply parking brake, stop engine and set transmission to neutral (N). In the rear power compartment (a.k.a. RJB), set the battery master switch (Kissling switch) to the OFF position prior to working on the vehicle.

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APPLICABLE TORQUES

Aftertreatment hydrocarbon dosing module:

Fuel supply line Banjo screw..... 11 ± 1.5 ft-lbf (15 ± 2 Nm)

Fuel/air outlet line fitting..... Maximum 13 ft-lbf (18 Nm)

Mounting bolts..... M8 standard bolt 8.8 class..... 18 ± 3 ft-lbf (24 ± 4 Nm)

PREPARATION

- 1) If not already done, apply the parking brake and place transmission in neutral (N) and stop the engine. In the rear power compartment, set the battery master switch (Kissling switch) to the OFF position.
- 2) Open engine compartment doors.



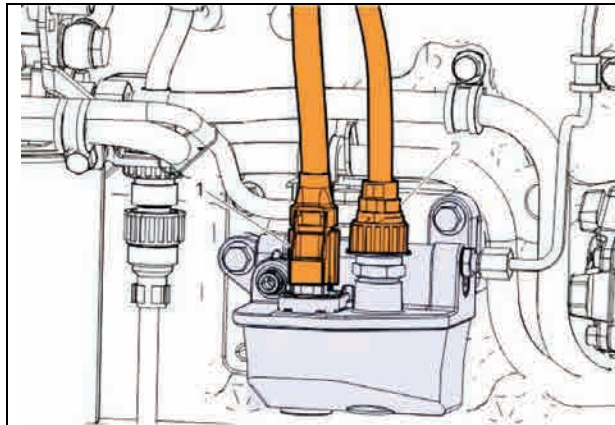
WARNING

Before beginning any work on any part of the air system, be certain that the air pressure has been released. Failure to do so may cause a component to violently separate, which can result in serious personal injury.

- 3) Drain the air system.

REMOVAL

- 4) Disconnect the wiring harness from the aftertreatment hydrocarbon dosing module and the fuel pressure sensor (FIGURE 1).



1: Aftertreatment Hydrocarbon Dosing Module Connector
2: Fuel Pressure Sensor Connector

FIGURE 1

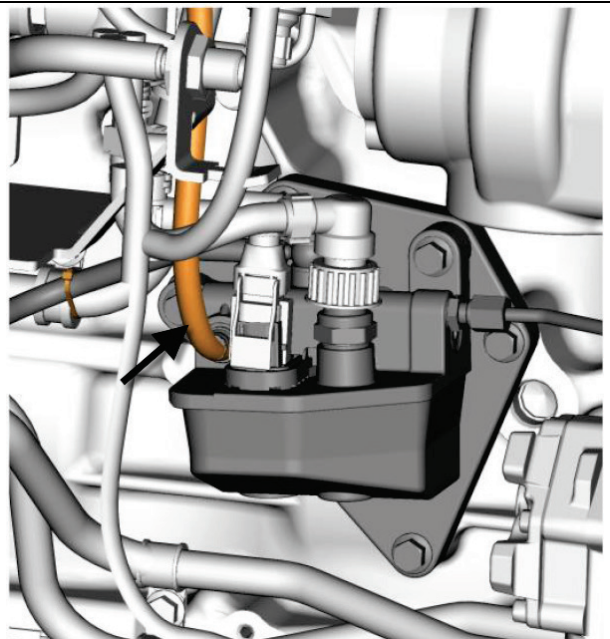


FIGURE 2: Disconnect the air supply line from the aftertreatment hydrocarbon dosing module.

- 5) Disconnect the air supply line from the aftertreatment hydrocarbon dosing module (FIGURE 2).

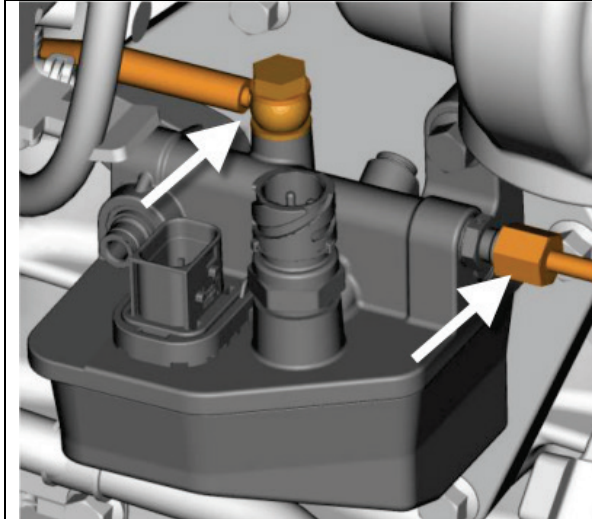


FIGURE 3

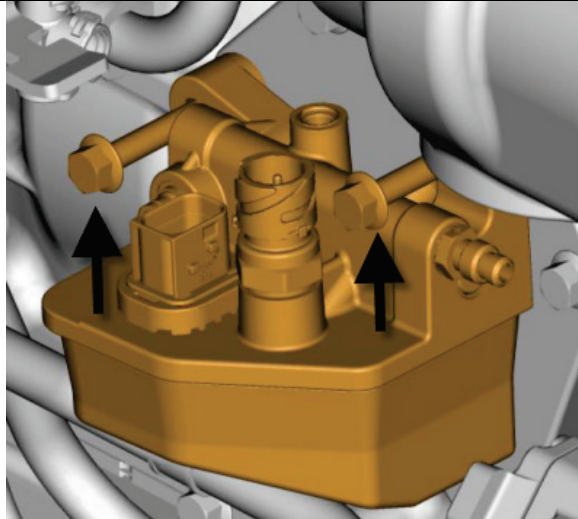


FIGURE 4



WARNING

Fuel leaked or spilled onto hot surfaces or electrical components can cause a fire and result in component damage and serious personal injury.

- 6) Disconnect the inlet and outlet fuel lines from the aftertreatment hydrocarbon dosing module. Collect any residual fuel that might be in the fuel lines in a suitable container (FIGURE 3).

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CAUTION

Do not kink the lines. Kinking the lines may result in leakage.

- 7) Remove the mounting fasteners and aftertreatment hydrocarbon dosing module from the mounting bracket (FIGURE 4).

INSTALLATION

- 8) Install the aftertreatment hydrocarbon dosing module onto the mounting bracket (FIGURE 4) with shorter screw on right side. Tighten the fasteners to specification.



WARNING

Fuel lines must be tightened to the stated specification. Fuel leaked or spilled onto hot surfaces or electrical components can cause a fire and result in component damage and serious personal injury.

- 9) Connect the inlet and outlet fuel lines to the aftertreatment hydrocarbon dosing module (FIGURE 3). Tighten the fuel line fittings to specification.
- 10) Connect the air supply line to the aftertreatment hydrocarbon dosing module (FIGURE 2).
- 11) Connect the wiring harnesses to the aftertreatment hydrocarbon dosing module and the fuel pressure sensor (FIGURE 1).



WARNING

Fuel leaked or spilled onto hot surfaces or electrical components can cause a fire and result in component damage and serious personal injury.

- 12) In the rear power compartment, set the battery master switch (Kissling switch) to the ON position.
- 13) Connect PTT Premium Tech Tool and clear all fault codes.
- 14) Start the engine, build air to operating pressure. Validate AHI system normal operation:

To do so, use operation **2545-08-03-02 EXHAUST AFTERTREATMENT DIAGNOSTICS** in PTT to activate both the AHI fuel shut-off valve and the aftertreatment hydrocarbon dosing control valve at the same time with the engine running. This procedure allows full engine fuel supply pressure to be present at the AHI module, fuel lines and AHI nuzzle for a moment in order to check for leaks. Start checking on the hot side of the engine first.

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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 approximately 1 hour.

OTHER

VBC Bulletin	S6777
Fail Code	01.00-2
Defect Code	09
System Condition	B
Causal Part	21870667

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.