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TRANSMISSION RETARDER LOGIC CHANGE Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, a 7psi pressure switch must be added to the transmission retarder circuit to activate the retarder when vehicle brakes are applied, increasing drivetrain components reliability.

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 - 2014	From 2PCG33495 <u>CC735053</u> up to 2PCG33495 <u>CC735232</u> incl. And 2PCG33495 <u>EC735590</u> , 2PCG33498 <u>EC735602</u>
<p><small>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.</small></p>	

MATERIAL NEEDED

Order the following parts:

Part No.	Description	Qty
562385	7 psi pressure switch	1
5001245	Flange Hex Head, Thread Cutting Screw 12-24 x 1/2"	2
562381	Auto ON Resistance Module	1

Other parts that may be required:

Part No.	Description	Qty
680098	Loctite 567 thread sealant PTFE	0.01

NOTE
<i>Material can be obtained through regular channels.</i>

REQUIRED TOOLS

<p>3/16" HEX BIT SOCKET</p> 	<p>SAE COMBINATION OR OPEN WRENCH SET</p> 
<p>RATCHET & SOCKET SET - SAE</p> 	

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. In the front vehicle compartment, locate the transmission retarder pressure switches and module. The switches are located on the superior (top) part of the bottom compartment (Fig.1 & Fig.2).



Fig.1 Pressure switches and module location



Fig.2 Switches and junction block

2. Disconnect the two pressure switches from the module.
3. Using a 5/16" hex socket, unscrew the two (2) module retaining hex screws and remove the module from the vehicle (Fig.3).

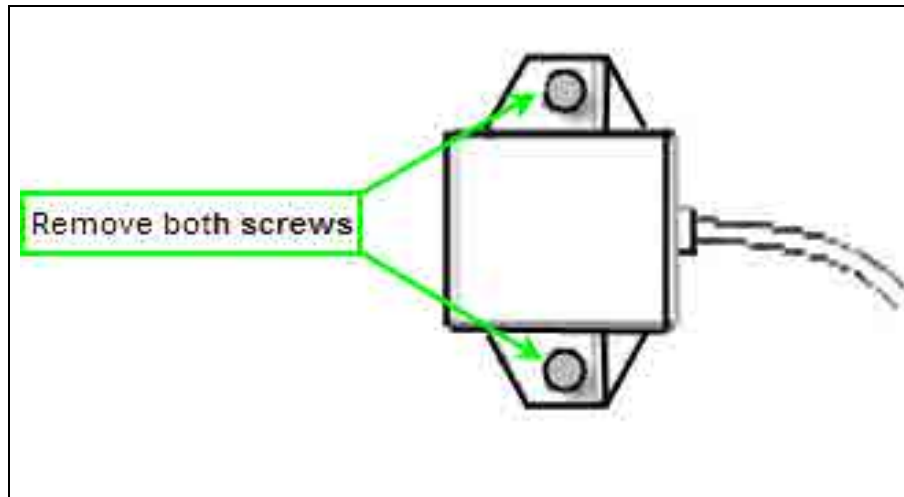


Fig.3 Removing the module

4. Using a 3/16" Allen hex key, Remove the plug that caps the third port of the pressure switches junction block (Fig.4).

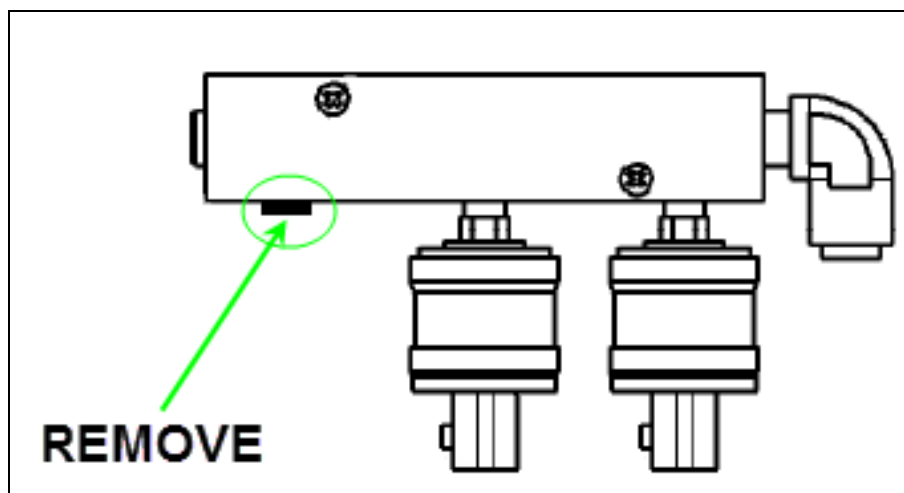


Fig.4 Third port on the junction block

5. Install a new 7 psi pressure valve (part# 562385) in the third port on the junction block using Loctite 567 thread sealant (#680098) or equivalent on the pressure switch threads. The pressure switch must be first hand tightened in the junction block then tightened another 1 to 1 ½ final turn using a 1/2" wrench (Fig.5).

NOTE: Make sure the pressure switch connector lines up with the other two pressure switches.

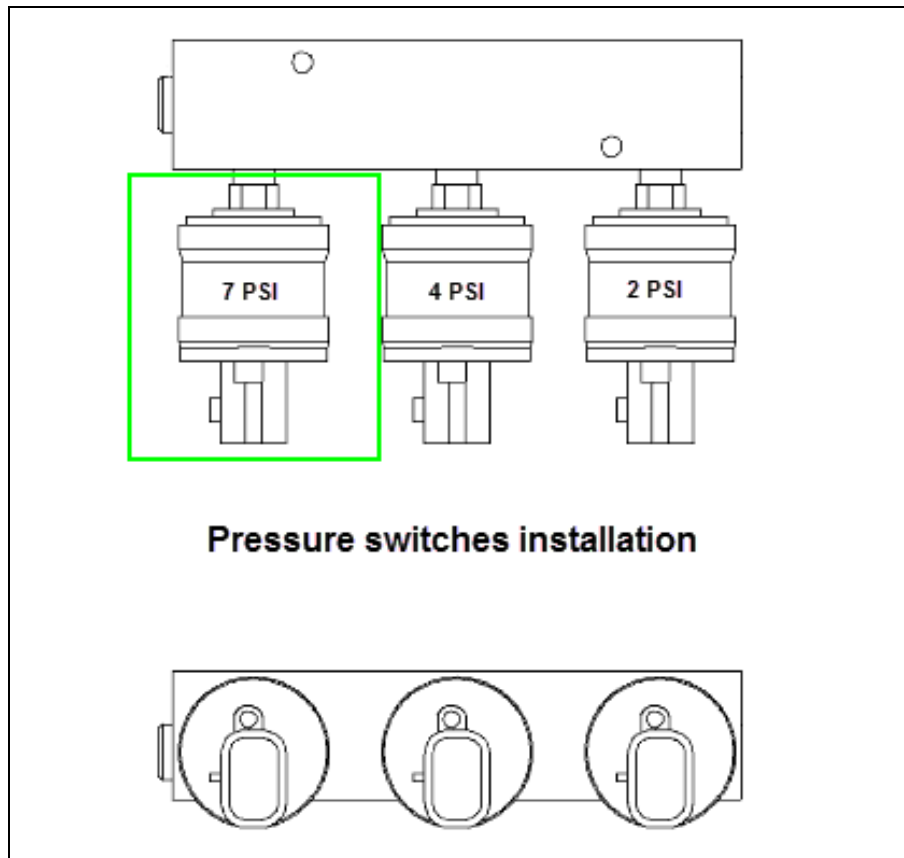


Fig.5 7 PSI pressure switch installed at junction block

6. Install the new pressure switch module (part # 562381) in place of the previously removed module using the two (2) new # 5001245 Hex head screws.

7. Connect the three (3) pressure switches to the new module (Fig.6 and Fig.7).



CAUTION

The three pressure switches connectors are identical. Be sure to connect them to their respective pressure switch to ensure correct retarder function. Refer to the connector wire color code shown in Fig.6 for proper connection of the module to the switches

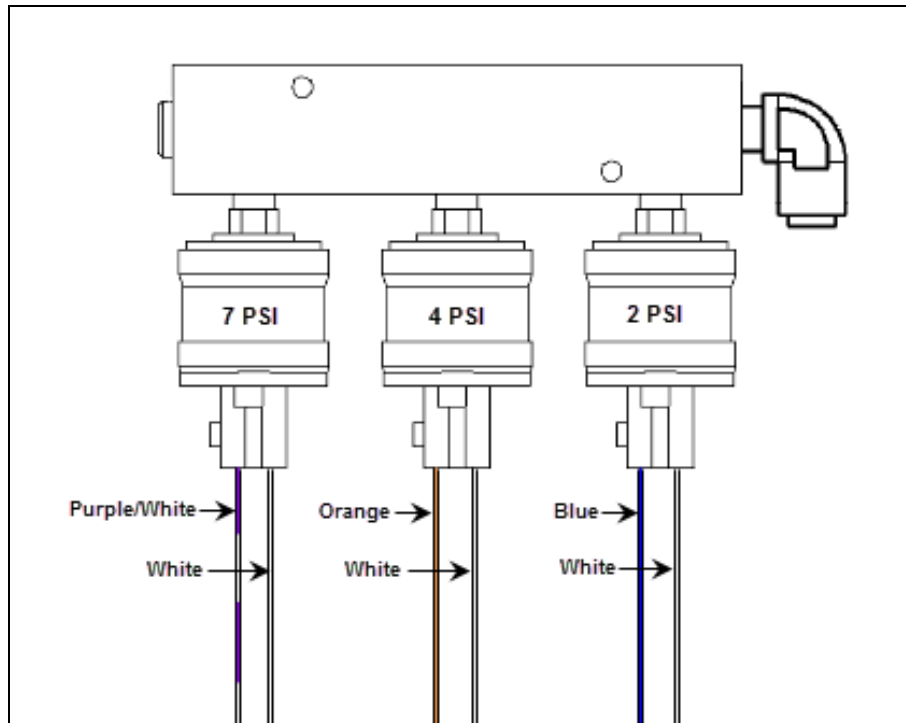


Fig.6 Color identification of the connectors

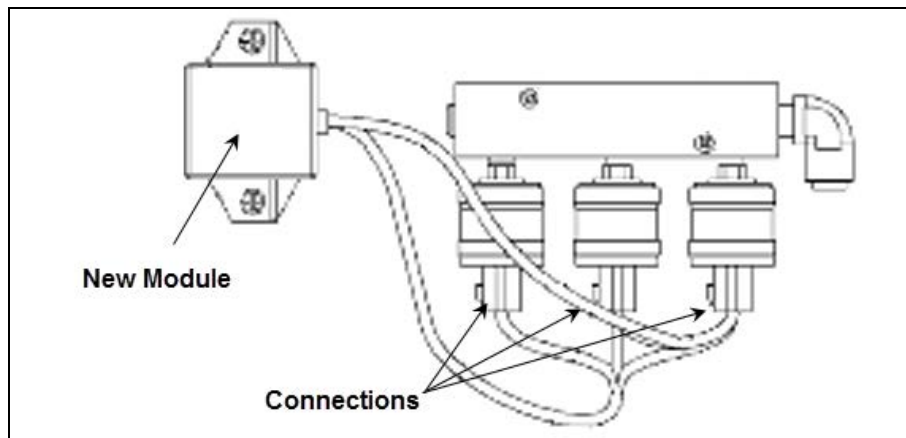


Fig.7 New module connected to pressure switches

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8. Start the vehicle and apply the brakes to check for air leaks at the junction block.
9. Carefully test-drive the vehicle to ensure proper function of the brakes and transmission retarder.

PARTS / WASTE DISPOSAL

Return replaced parts to Prevest 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 30 minutes.

OTHER

VBC Bulletin	N/A
Fail Code	07.06
Defect Code	09
System Condition	B
Causal Part	562385

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