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First Release

May 15, 2021

AUTOMATIC FIRE SUPPRESSION SYSTEM – TAMPER SEAL REPLACEMENT

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, replace the tamper seal as described in the following procedure.

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 BT 11 DOB 2400-2489	From 2PCG33495 <u>C</u> C73 <u>5053</u> up to 2PCG33495 <u>C</u> C73 <u>5232</u> incl.
X3-45 Commuter Model Year: 2014 – 2016 BT 12 DOB 2490-2789	From 2PCG33495 <u>E</u> C73 <u>5590</u> up to 4RKG33491 <u>G</u> 973 <u>7299</u> incl.
This bulletin does not necessarily apply to all the above-mentioned vehicles, some vehicles may have been modified before delivery.	

MATERIAL NEEDED

Order the following parts:

Part No.	Description	Qty
564349	KIT, TAMPER PIN CONVERSION	1
	Item # Description Quantity	
	1 Beaded Security Tie 3	
	2 Tamper seal Pin 1	
	3 Aluminum Cable Clamp 1	
	4 Instruction Label 1	
	5 Directional Arrow Label 1	
7771300	ARROW, DECAL	1



Figure 1: PARTS REQUIRED

Other parts that may be required:

Part No.	Description	Qty
685128	Valve Simulator	1 per fleet

NOTE

Material can be obtained through regular channels.

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SUGGESTED TOOLS

PHILLIPS SCREWDRIVER



CUTTING PLIERS



PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop the engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

Lockout & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.

1. Confirm the system is operating in a normal "OK" state.

NOTE: Steps 2 through 4 are not required to perform this conversion but are recommended.

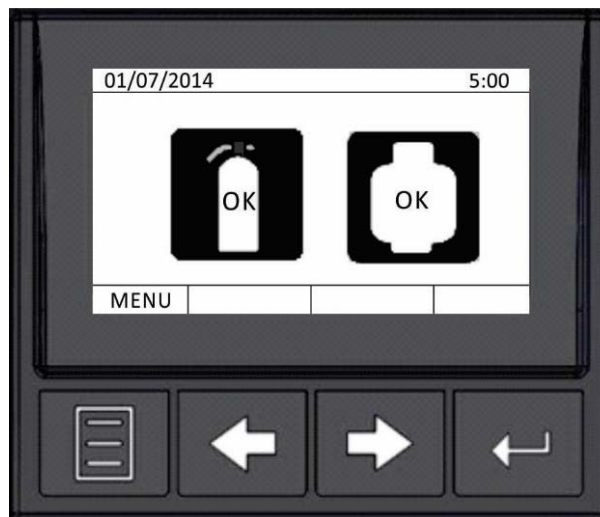
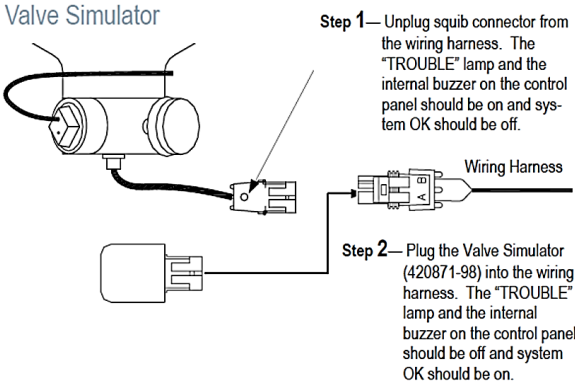


Figure 2

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				Figure 3			
2. Unplug each extinguisher's firing mechanism connector from the wiring harness and plug the Valve Simulator 685128 (Kidde 420871-98) into the wiring harness. NOTE: A visual and audible extinguisher fault will be indicated until the Valve Simulator is connected.							
				Figure 4			

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3. Remove power from the system by removing the fuse(s) or disconnecting the J3 connector of the battery backup module if one is present.
4. Confirm that the system's controller is indicating power has been removed.

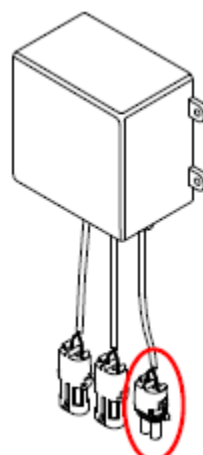


Figure 5

- Remove the old tamper seal by twisting and pulling to break the seal.



Figure 6

- Using the metal tamper seal pin determine from which side of the manual discharge button the tamper seal pin should be pulled to avoid interference. Ensure that the pin is able to be fully removed without blockage. The top picture shows a right pull configuration, and the bottom picture shows a left pull configuration.



Figure 7: RIGHT PULL CONFIGURATION



Figure 8: LEFT PULL CONFIGURATION

- After determining from which side the pin will be inserted and removed, remove the mounting hardware holding the manual discharge on the OPPOSITE side from which the pin will be pulled.

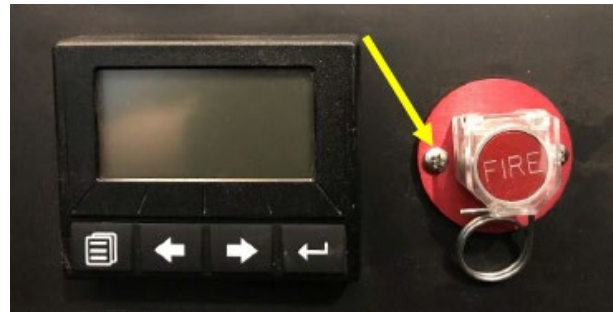


Figure 9

- Add the cable clamp and reinstall the mounting hardware to secure it.
- If removed, reinsert the tamper pin to secure the manual discharge cover.



Figure 10

- Thread the Beaded Security Tie (404796) through the loop in the cable clamp and through the loop in the tamper seal pin. Hand tighten the security tie so that is snug.

NOTE: The security tie should be as tight as possible without breaking.



Figure 11

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11. Install the directional arrow label under the tamper seal pin oriented such that it indicates the direction in which the pin should be pulled for removal.

NOTE: In cases where the directional arrow label cannot be installed under the tamper seal pin, it can be located above that manual discharge button.



Figure 12: RIGHT PULL CONFIGURATION



Figure 13: LEFT PULL CONFIGURATION



Figure 14: SAMPLE OF ABOVE MANUAL DISCHARGE

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12. Install the new instruction label over the top of the old instruction label.

NOTE: If the old instruction label is larger than the new instruction label, remove the old label before installing the new label.



Figure 15

NOTE: If steps 2 through 4 were skipped, steps 12 through 14 do not need to be performed.

13. Re-establish power to the system.

14. Confirm the system is functioning correctly, the system is in the "System OK" state, and no fire alarms are activated.

15. With the system in the OK state and no fire alarms activated, disconnect the Valve Simulator(s) and reconnect each extinguisher's firing mechanism connector to the wiring harness.

16. Reconfirm the system is in the "System OK" state.

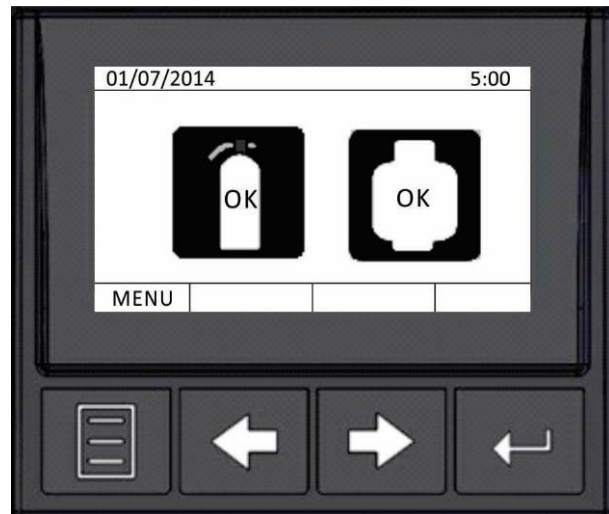


Figure 16



Figure 17

Special Bulletin

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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 15 minutes (0.25 hour).

OTHER

VBC Bulletin	N/A
Fail Code	23.08
Defect Code	09
Syst. Cond	B
Causal Part	563456

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