

**PREVOST**

ENREGISTRÉ - REGISTERED  
ISO 9001 & ISO 14001

**WARRANTY  
BULLETIN**

Wb11-03A



<b>DATE :</b> MAY 2011	<b>SECTION :</b> 01 - Engine
<b>EXPIRATION:</b> MAY 2013	
<b>SUBJECT :</b> REPLACING ALLISON TRANSMISSION COOLING CIRCUIT HOSE AND PIPE ASSEMBLY	

**REVISION : A THIS WARRANTY BULLETIN SUPERSEDES PREVIOUS VERSION.**

Involved vehicles added in « Application » section

**APPLICATION**

<b>Model</b>	<b>VIN</b>
H3-41, H3-45 Coaches Equipped with Volvo D13 US07 engines Model Year : 2008 up to 2010	From 2PCH334968C71 <u>0948</u> up to 2PCH33496AC71 <u>1720</u> incl.
X3-45 Coaches Equipped with Volvo D13 US07 engines Model Year : 2008 up to 2010	From 2PCG334978C72 <u>9259</u> up to 2PCG33499AC72 <u>9995</u> incl.
XLII-45E Bus Shells Equipped with Volvo D13 US07 engines Model Year : 2009 - 2011	From 2PCY334979C72 <u>9591</u> up to 2PCYS3490BC73 <u>5001</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.**

**DESCRIPTION**

On the vehicles affected by this bulletin, the current engine coolant pipe and hose set-up need replacement due to possible coolant leaking.

## MATERIAL

Part No.	Description	Qty
019225	COOLING SYSTEM PIPE	1
984677	COOLING SYSTEM HOSE	1

### *NOTE*

Material can be obtained through regular channels.

## PROCEDURE



### **DANGER**

Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.

### **PART A: INSPECTION**

Cooling system pipe and hose may have already been replaced. Make sure you perform an inspection before ordering parts or draining coolant.

### **PART B: REPLACEMENT**

1. Stop engine and allow engine to cool.
2. Toggle engine rear start push-button switch to the OFF position.
3. Close both heater line shutoff valves.
4. Remove tension from belts.
5. Insert a ¾" socket drive into the belt tensioner opening and remove fan shaft drive belt, set aside.
6. In the same manner, remove A/C compressor, water pump and Bosch T1 alternators drive belts.



### **WARNING**

Before proceeding with the following steps, make sure the coolant has cooled down. The sudden release of pressure from a heated cooling system can result in loss of coolant and possible personal injury (scalding) from the hot liquid.

7. Open the shut-off valve on the coolant filter mounting head and drain the coolant into a suitable container. Close the shut-off valve.
8. Unscrew the surge tank pressure cap counterclockwise, ¼ turn to let air enter the system and permit the coolant to drain completely from system.
9. Connect coolant extractor. Use coolant extractor to drain the coolant from the engine. An alternate method is to drain the coolant into a suitable container using the drain hose.
10. Open the radiator drain cock.

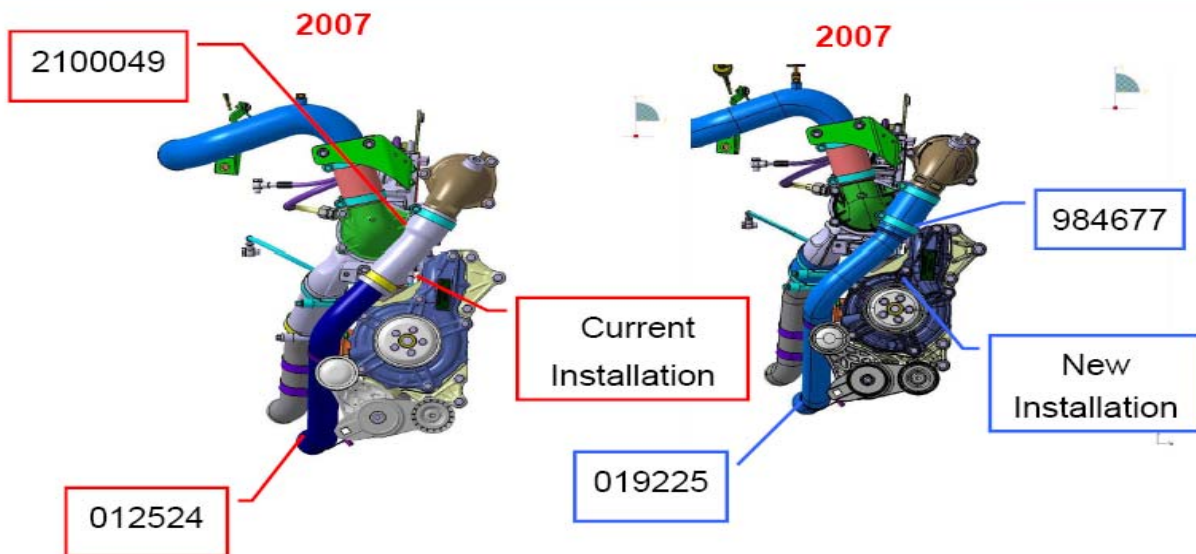


## DANGER

Coolant is toxic; risk of poisoning. Do not drink coolant. Use proper hand protection when handling. Keep coolant out of reach of children and animals. Failure to follow these precautions can cause serious illness or death.

11. Unfasten two cooling system hose clamps.
12. Unfasten hose clamp and mounting clips fixing cooling system pipe.
13. Remove hose and pipe to be replaced.
14. Install new pipe (019225) and secure using hose clamp and mounting clips. Torque tighten hose clamp to 100 Lb-inch (11 Nm).
15. Install new hose (984677) and secure using hose clamps. Torque tighten hose clamps to 100 Lb-inch (11 Nm).
16. Keep both heater line shutoff valves closed then perform the following steps:
17. Close the radiator drain cock.
18. Open the shut-off valve on the coolant filter mounting head.
19. Refill cooling system from the surge tank filler cap inlet with the recommended ethylene glycol-based antifreeze and water solution of the required concentration using the coolant extractor.

## Engine



### NOTE

Make sure the purge lines are properly connected and not obstructed. The purge lines (thermostat housing dome, radiator top tank, transmission oil cooler or delivery line) are required to ensure complete engine fill and proper purging of air in the system.

**NOTE**

The coolant level should remain within two inches of the surge tank filler neck.

20. Install the filler and pressure cap, then start the engine and run it at fast idle until reaching normal operating temperature. Check for leaks.

**NOTE**

If for any reason, the coolant level drops below the surge tank level probe, the Check Engine warning light will illuminate.

21. Stop engine and allow cooling.  
22. Open the two heater line shutoff valves, check the coolant level in the surge tank, and then add as required.



**CAUTION**

Never pour cold coolant into a hot engine. The sudden change in temperature may crack the cylinder head or block.

**WARRANTY**

This modification is covered by Prevost's normal warranty. We will reimburse you the parts and six hours (6.0) of labor upon receipt of the parts and a completed A.F.A. form on which you must specify as per "Warranty Bulletin 11-03A".

**Parts / Waste disposal:**

- Return replaced parts to Prevost Car with A.F.A. for full reimbursement.

**OTHER**

VBC BULLETIN	N/A
Fail Code	05-05
Defect Code	24
System Condition	B
Causal Part	012524