

PREVOST

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001



**WARRANTY
 BULLETIN**

Wb12-28B

DATE : AUGUST 2012	SECTION : 05 - Cooling
EXPIRATION: AUGUST 2014	
SUBJECT : X3 SERIES ALUMINUM COOLANT SURGE TANK RETROFIT	

REVISION : B THIS WARRANTY BULLETIN SUPERSEDES PREVIOUS VERSION.
Minor changes

APPLICATION

Model	VIN
X3-45 coaches X3-45 VIP shells XLII shells Model Year : 2011 - 2013	 From 2PCY33498BC73 <u>5003</u> up to 2PCBS3496DC73 <u>5299</u> incl.
<p>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.</p>	

DESCRIPTION

On the vehicles affected by this bulletin, an improved coolant surge tank is available. This new surge tank offers a greater quantity of coolant between the low level sensor and the middle of sight glass level (5.2 quarts instead of 2.3 quarts). You will benefit from less frequent low coolant alarms.

MATERIAL

Order the following parts:

Part No.	Description	Qty
053597	DECAL	1
053641	COOLANT SURGE TANK, X3 SERIES ALUMINUM	1
053576	SUPPORT, COOLANT SURGE TANK (with clamp positioning tabs)	1
504775	T-BOLT CLAMP, DIA. 10-19"	2

NOTE

Material can be obtained through regular channels.

PROCEDURE

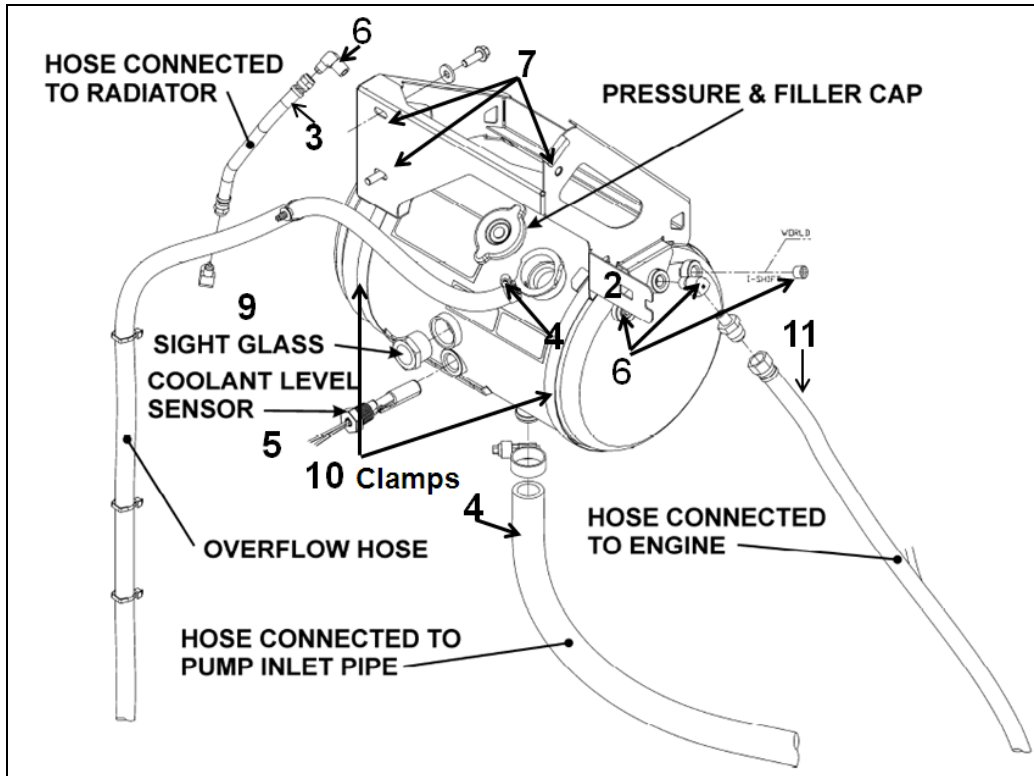


DANGER

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

REMOVAL OF THE ORIGINAL COOLANT SURGE COOLANT SURGE TANK

1. Cut the nylon ties holding the DEF lines to the coolant surge tank bracket.
2. Place a clean rubber tube into the coolant surge tank. Using siphon effect, drain coolant surge tank.
3. Disconnect each hose connected to the coolant surge tank.
4. Remove nylon ties and unplug low level sensor connector (5).
5. Loosen all fittings and sight glass.
6. Remove 3 bracket bolts (7) and remove coolant surge tank and bracket.
7. Turn the tank in order to have the level sensor at the top, in a vertical position and then unscrew it from the coolant surge tank.
8. Remove sight glass and all fittings from coolant surge tank.
9. Loosen band clamps (10) and separate coolant surge tank from bracket. Return to Prevest for full reimbursement.



NEW COOLANT SURGE TANK ARRANGEMENT

INSTALLATION OF NEW COOLANT SURGE TANK

NOTE

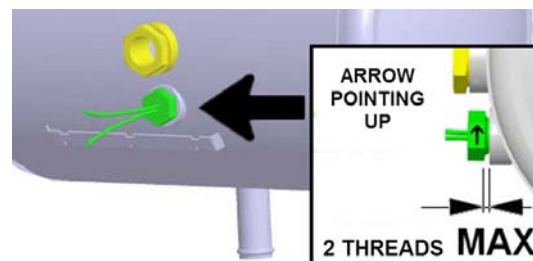
Use Loctite 567 Thread Sealant on all NPT threads (Prevost #680098).



NOTE

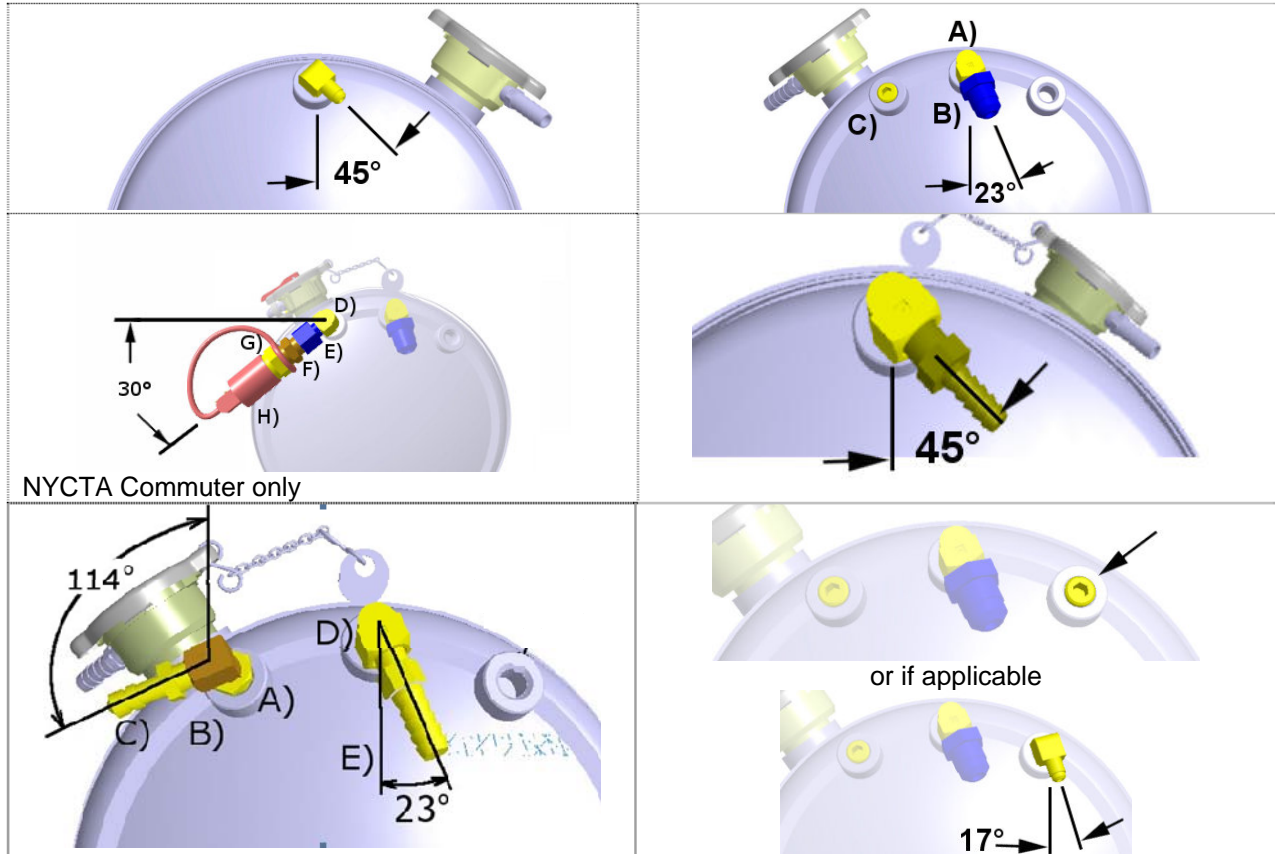
There is no specific tightening torques except when specified.

- Using Loctite Thread Sealant 567 on threads, install level sensor in new coolant surge tank with sensor in a vertical position at the top of the tank. Tighten so that arrow on the side of the sensor is pointing up. Leave no more than two visible threads.



ARROW POINTING UP
NO MORE THAN 2 VISIBLE THREADS

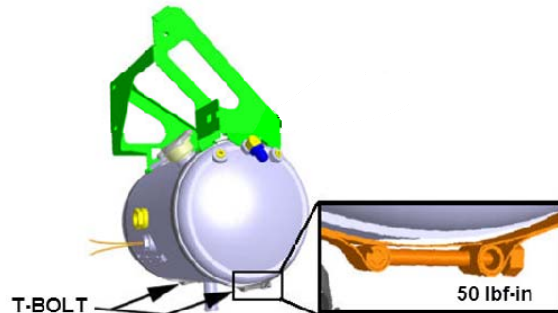
2. Install all hose fittings and sight glass using Loctite 567 Thread Sealant.



3. Affix decal #053597 on surge tank. For NYCTA Commuter coaches, affix additional decal #053625.



4. Fix surge tank onto support. Tighten T-bolt clamps to 50 lbf-in.



5. Install coolant surge tank and support assembly in engine compartment. Tighten bolts to 16 lbf-ft.
6. Install all hoses and tighten properly.
7. Secure two DEF lines to tank support using nylon ties.

8. Use the cap from the original surge tank on new surge tank.
9. Fill coolant surge tank to midpoint of sight glass and pressure test system. Close the heating system shut off valves to isolate this part of the system. Proceed to pressure test with 14 psi. Pressure should remain the same. Test for 5 to 10 minutes.
10. Run the coach and check coolant level once again.



NEW COOLANT SURGE TANK INSTALLED



NEW COOLANT SURGE TANK INSTALLED – ROAD SIDE



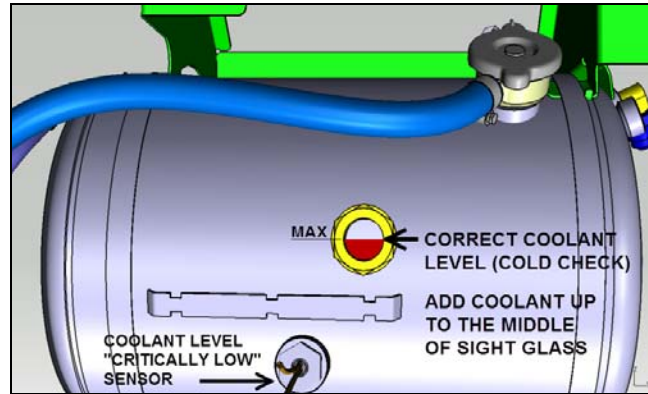
NEW COOLANT SURGE TANK INSTALLED – CURB SIDE

COOLANT FLUID LEVEL CHECK

Check the coolant level when the engine is cold (room or ambient temperature).

- If the coolant level has reached the bottom of the sight glass, add coolant up to the middle of the sight glass.

Fill the tank as necessary with the same 50/50 water-antifreeze mixture already in the cooling system. **Do not** mix two different types of coolant. Refer to the Maintenance Manual for proper coolant type specifications or see the label affixed to the coolant surge tank.



When the coolant level reaches the coolant surge tank level sensor, the STOP telltale light illuminates, a beeping tone rings and "ENGINE COOLANT LEVEL CRITICALLY LOW" message appears in the DID. Stop the vehicle in a safe location and add coolant to the cooling system surge tank as soon as possible.



WARNING

Hot engine coolant is under high pressure. Allow engine to cool down before adding coolant.

PARTS / WASTE DISPOSAL

You must return the old surge tank to Prevest with A.F.A. for full reimbursement.

WARRANTY

This modification is covered by Prevest's normal warranty. We will reimburse you the parts and two hours (2.0) of labor upon receipt of the replaced parts and a completed A.F.A. form on which you must specify as per "Warranty Bulletin 12-28".

OTHER

VBC Bulletin	n-a
Fail Code	05-07
Defect Code	09
System Condition	B
Causal Part	053602