

PREVOST

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001

**WARRANTY
BULLETIN**


Wb09-13A



DATE : MARCH 2010	SECTION : 05 - Cooling
EXPIRATION: MARCH 2012	
SUBJECT : INSPECTING THE RADIATOR FAN DRIVE MECHANISM SUPPORT ON A DETROIT DIESEL ENGINE	

**REVISION : A THIS WARRANTY BULLETIN SUPERSEDES PREVIOUS VERSION.
MODIFICATION TO THE APPLICATION LISTING**

APPLICATION

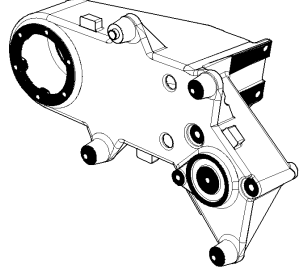
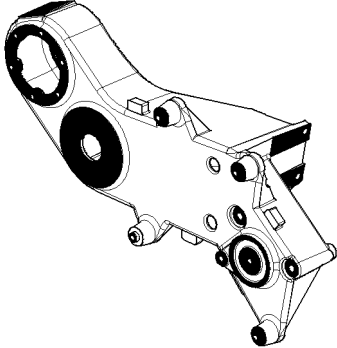

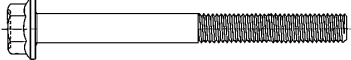
Model	VIN	
H3-41, H3-45 Coaches Model Year: 2008 up to 2010	From 2PCH334928C711045 up to 2PCH33493AC711593 incl.	
VIP-45 Bus Shells Model Year: 2007 up to 2010	From 2PCV334977C710944 up to 2PCVS3499AC711619 incl.	
X3-45 Coaches Model Year: 2008 - 2009	From 2PCG334928C729282 up to 2PCG33496AC729873 incl.	
XLII MTH Bus Shells Model Year: 2008 - 2009	From 2PCY334978C729279 up to 2PCYS3493AC729885 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 and equipped with a Detroit Diesel engine, it is **absolutely necessary** to check the radiator fan drive mechanism support. There is a possibility that the cap screws were not tightened to the proper torque and for that reason may result in cracks in the drive mechanism support. The vibrations generated may require replacing the drive mechanism support.

MATERIAL

Part No.	Description	Identification	Qty
550919	Radiator Fan Drive Mechanism Support MTH W5, H3-41, H3-45 Coaches, VIP-45.		1
550920	Radiator Fan Drive Mechanism Support X3-45 Coaches, MTH WE.		1
5001777	Screw, Cap HEXF AD N500 M12X40 G10.9		2
5001763	Screw, Cap HEXF AD N500 M12-1.75X160 G8.8		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.

PART A: INSPECTING RADIATOR FAN DRIVE MECHANISM SUPPORT

1. Check if the radiator fan drive mechanism support is cracked.

NOTE

Check especially belt tensioner area and cap screws clamping area.

2. If the drive mechanism support is cracked, it needs to be replaced. Order a new support (550919 or 550920) depending on vehicle type. Refer to maintenance Manual Section 05: Cooling for instructions on how to replace the radiator fan drive mechanism support. In case of doubt, do not hesitate to contact your Regional Service Manager or Prevost Service Center. You can also proceed to the nearest Prevost Authorized Service Provider.

PART B: VERIFYING CAP SCREW TORQUE

1. After inspecting the radiator fan drive support, for purpose of reference, mark cap screw heads and support.
2. Torque radiator fan drive mechanism support short cap screws to 60 Lb-ft (80 Nm) (Refer to figures 1 and 2).
3. If the two cap screw heads do not move, the verification is complete; there is nothing to replace.
4. If the two cap screw heads move but less than $\frac{1}{4}$ turn (90° angle), replace the two short cap screws with new ones (5001777).

NOTE

Use a M12 tap in order to clean the threads and bottom of hole. **Do not use any oil.**

5. First pre-torque cap screw heads to 25 Lb-Ft (34 Nm).



CAUTION

Because the new screws already come with a coating not compatible with Loctite, do not use any Loctite on cap screw threads.

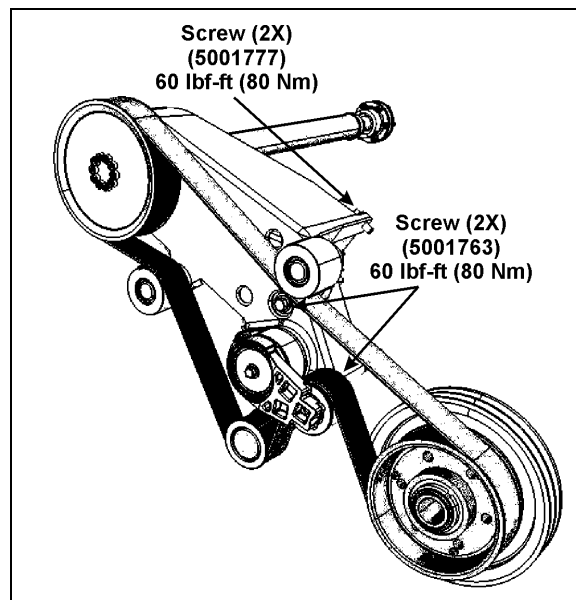


FIGURE 1: SUPPORT # 550919

PART C: REPLACING FOUR CAP SCREWS

1. After having inspected the radiator fan drive support and applied the proper torque, if the two cap screw heads move but more than $\frac{1}{4}$ turn (90° angle), replace the four cap screws with new ones (5001777 and 5001763).
2. Remove radiator fan drive support in order to access cap screw holes. Refer to maintenance Manual Section 05: Cooling for instructions on how to remove the radiator fan drive mechanism support.
3. Clean short (5001777) and long cap screw holes (5001763) using a M12 tap. First pre-torque cap screw heads to 25 Lb-Ft (34 Nm).

NOTE

Use a M12 tap in order to clean the threads and bottom of hole. **Do not use any oil.**

4. After radiator fan drive support reinstallation, make sure that the screw heads rest well against the support and are torqued properly to 60 Lb-ft (80 Nm).



CAUTION

Because the new screws already come with a coating not compatible with Loctite, do not use any Loctite on cap screw threads.

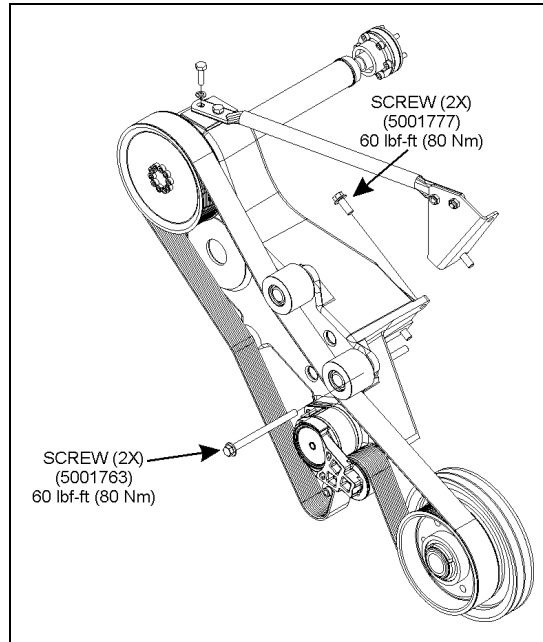


FIGURE 2: SUPPORT # 550920

WARRANTY

This modification is covered by Prevo's normal warranty.

PART A - INSPECTION

We will reimburse you $\frac{1}{4}$ hour **(0.25) of labor** for doing the inspection and we will reimburse you the parts and **three hours (3.0) of labor if you must replace the support** upon receipt of the replaced parts and a completed A.F.A. form on which you must specify as per "Warranty Bulletin 09-13".

PART B - VERIFICATION

We will reimburse you the parts and $\frac{3}{4}$ of an hour **(0.75) of labor** upon receipt of the replaced parts and a completed A.F.A. form on which you must specify as per "Warranty Bulletin 09-13".

PART C – REPLACING CAP SCREWS

We will reimburse you the parts and **two and $\frac{1}{4}$ hours (2.25) of labor** upon receipt of the replaced parts and a completed A.F.A. form on which you must specify as per "Warranty Bulletin 09-13".

Parts disposal:

- Return replaced parts to Prevo with A.F.A. for full reimbursement.
- **Reimbursement is subject to parts inspection by Prevo.**