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Release 2

Nov 01, 2016

COMPRESSOR SUPPORT IMPROVEMENT

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, add a stopper on the A/C compressor support bed to prevent any movement.

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	Fleet Number
X3-45 Commuter Model Year : 2012	From 2PCG33495CC73 5053 up to PCG33495CC73 5232 incl.	From 2400 up to 2489, 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.		

MATERIAL NEEDED

Order kit SP16-308 which includes the following parts:

Part No.	Description	Qty
450075	STOP PLATE	1
5001727	STOVER NUT, M10	3
5001741	CAP SCREW, M10 X 30 G.8.8	3
5001834	WASHER, BELLEVILLE N500 10.5X23X2.5	2

NOTE

Material can be obtained through regular channels.

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TOOLS

RIGHT ANGLE DRILL 	STUBBY LENGTH DRILL BIT Ø 13/32 
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PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop 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.

1. On the vehicle, open the rear engine doors and locate the A/C compressor in the engine compartment, curb side.

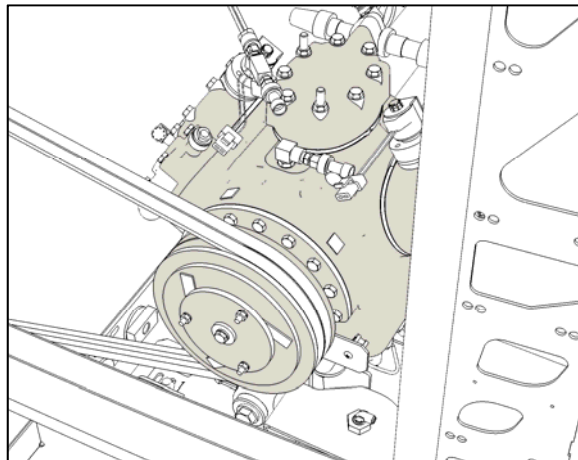


Figure 1

2. Locate the belt tensioner pressure releasing valve (Figure 2), mounted above the engine R.H. side door next to the air pressure regulator, then turn handle clockwise in order to release pressure and tension on belts.

NOTE: Inspect the A/C compressor mounting bracket, hardware and belts before starting this procedure. Notify Prevost technical representative if damaged.

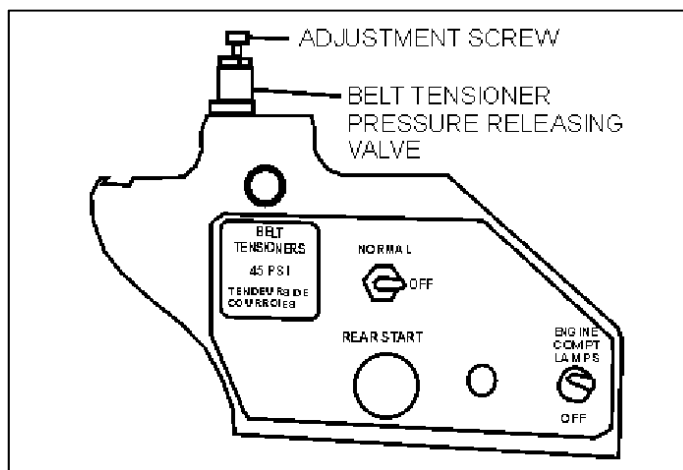


Figure 2

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3. Remove the compressor support 3/8-16 bolts (qty: 2) one at a time. These are directly screwed into the compressor body (see bolts indicated with arrows on Figure 3).
4. Install a Belleville washer on each bolt. Make sure washers are installed correctly (see Figure 4)
5. Reinstall bolts into compressor and torque to **26 lb-ft**.
Apply a torque stripe to each bolt.

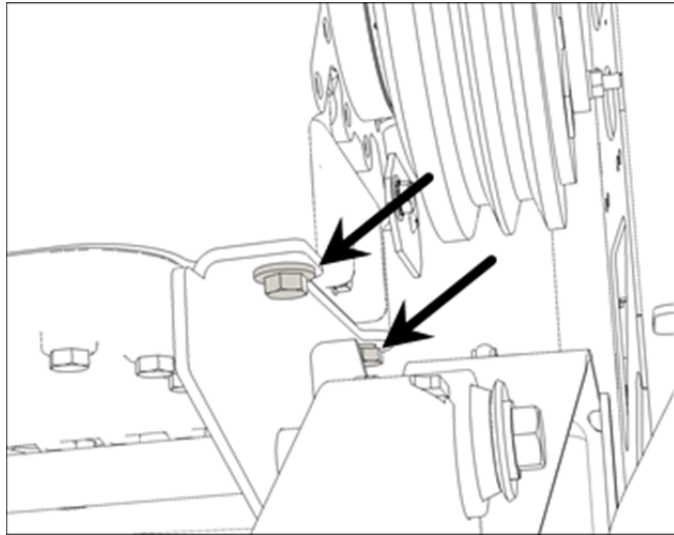


Figure 3



Figure 4

6. Before installing the stopper, inspect and align compressor and engine pulleys. Refer to Maintenance Manual **PA1593**, Section 22, paragraphs 7.1.3; 7.1.4; 7.1.5; 7.1.6.
7. Once compressor is properly aligned, remove and discard the existing M10 bolt and nut from the A/C compressor support assembly.
8. Install the stopper plate (#450075) butted against the A/C compressor support assembly and secure with one M10x30 cap screw (#5001741) and one M10 Stover nut (#5001727) (see Figure 5). Torque to **35 lb-ft**.

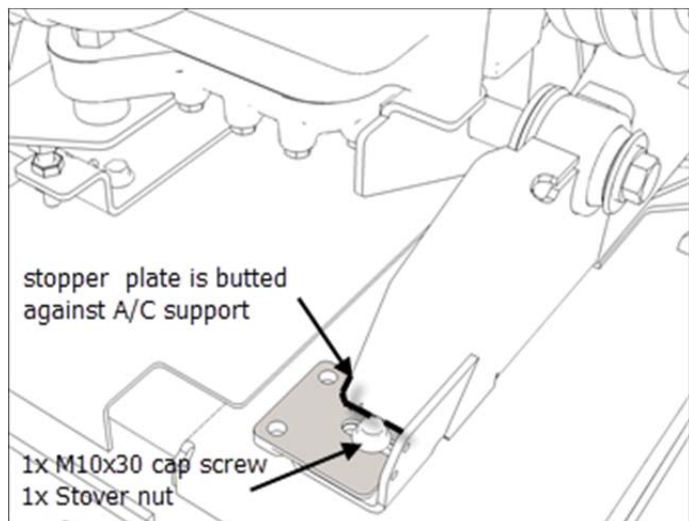


Figure 5

9. Drill two 13/32" holes using the stopper plate as template.

10. Complete the installation by securing with two M10X30 cap screws (#5001741) and two M10 Stover nuts (#5001727). Torque to **35 lb-ft**.

Apply a torque stripe to the three bolts.

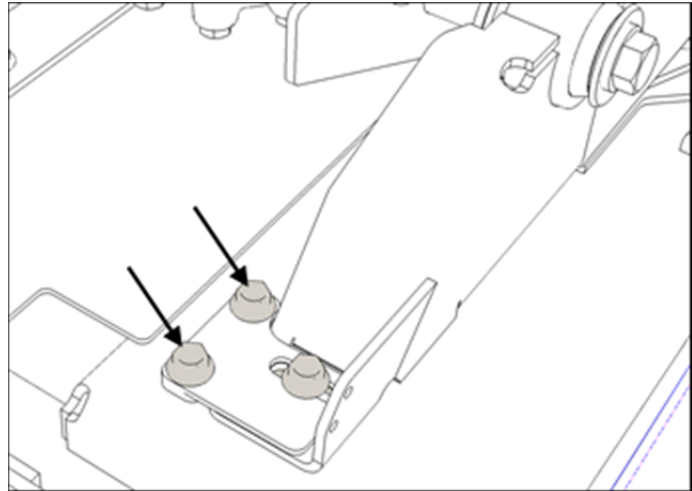


Figure 6

11. Turn handle counter -- on the belt tensioner pressure releasing valve (Fig. 2) to restore pressure and tension on belts.

12. Make sure A/C system functions properly.

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 one hour (1h).

OTHER

VBC Bulletin	N/A
Fail Code	18.08
Defect Code	09
System Condition	B
Causal Part	454190

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