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NYCT RADIATOR DOOR UPPER HINGE REPLACEMENT

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, the radiator door upper hinge must be replaced by a new improved hinge providing better door retention.

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 : 2014 - 2016	The following individual vehicles: 2PCG33495 <u>EC735590</u> , 2PCG33498 <u>EC735602</u> and From 4RKG33497 <u>F9737001</u> up to 4RKG33491 <u>G9737299</u> incl.	From 2490 up to 2789, incl.
X3-45 Commuter Model Year : 2012	From: 2PCG33495 <u>CC735053</u> up to 2PCG33495 <u>CC735232</u> 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.		

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MATERIAL NEEDED

Order KIT **SP17-307** which contains the following parts:

Part No.	Description	Qty
280602	Upper Hinge (door)	1
280609	Upper hinge (frame)	1
280610	Upper Hinge Spacer (frame)	1
5001833	Washer, Bellville SS 6.66x17.4x1.27	4
502622	Screw Cap Hex SS NSS M6 X 1.0 X 20	2
5000310	Screw Cap Hex SS NSS M6 X 1.0 X 40	2
284607	Door Hinge Bushing (upper & lower)	1

NOTE

Material can be obtained through regular channels.

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. Fully open the vehicle radiator door (rear, road side of vehicle Fig.1).

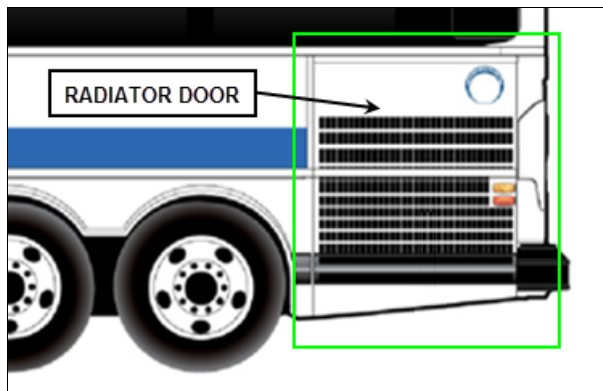


FIG.1 VEHICLE RADIATOR DOOR

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2. Support the door at its lower edge without applying upward pressure. A scissor jack (or equivalent lifting equipment) and a V shaped wood block are recommended (Fig.2).



FIG.2 SUPPORTING THE DOOR

3. Unscrew and remove both parts of the upper hinge (4X M6 bolts at frame and door). Discard all parts and hardware (Fig.3).

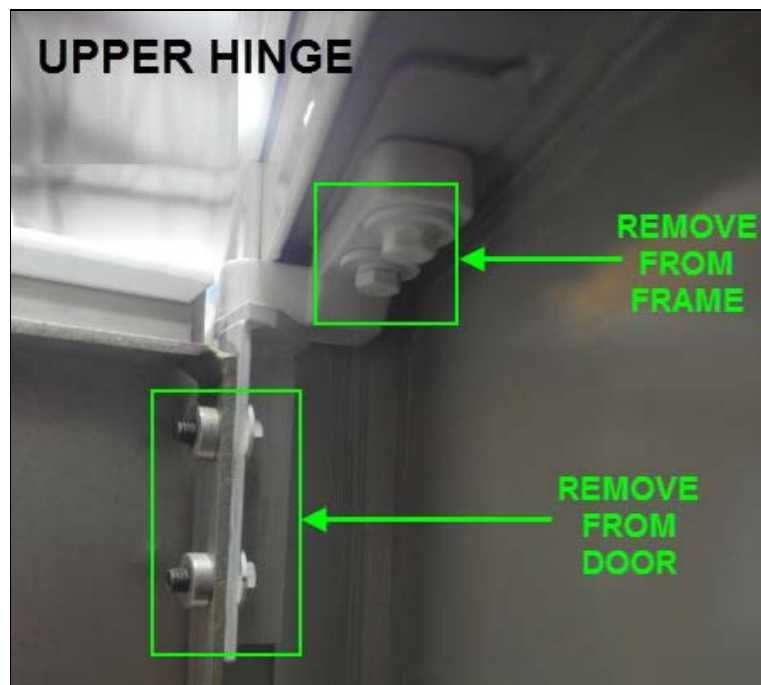


FIG.3 UPPER HINGE REMOVAL

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4. Install the new upper hinge (parts **280602**, **280609** & **280610** in kit Fig.4) making sure that:
- New M6 bolts and washers (**5000310** & **5001833**) are used at the upper (vehicle structure) mounting points (Fig.4).
 - New M6 bolts and washer (**502622** & **5001833**) are used at the door mounting points (Fig.4).
 - A new plastic bushing **284607** is installed at the pivot point (Fig.5).
 - The door is fully supported by the *lower hinge* and not slightly lifted-up by the lift table so there is no gap between parts at the lower pivot point (Fig.6).
 - There is no gap between the upper and lower part at the pivot point of the upper hinge (Fig.7).
 - Bolts are tightened snugly (do not apply final torque).

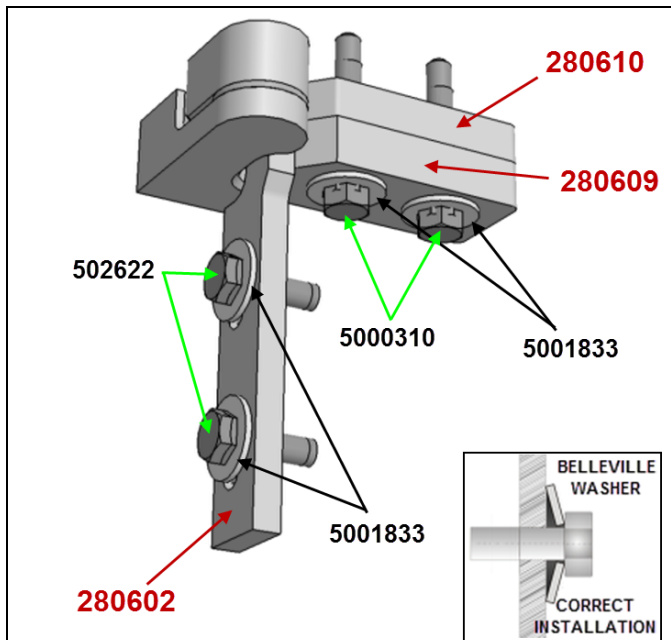


FIG.4 NEW UPPER HINGE

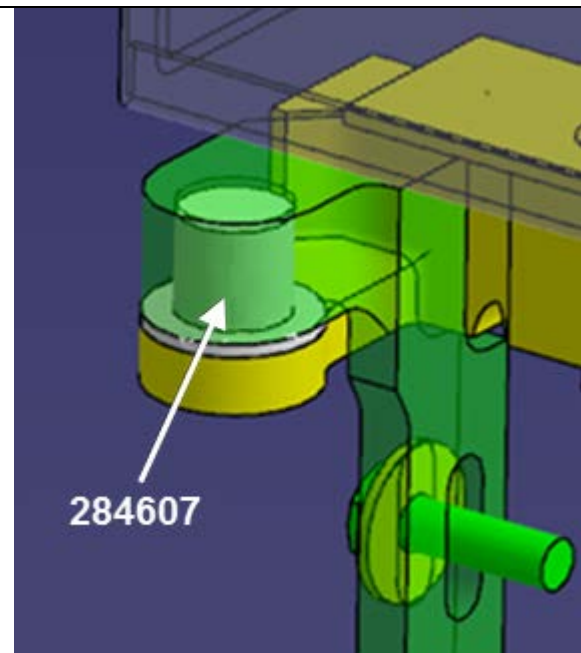


FIG.5 BUSHING

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FIG.6 LOWER HINGE SUPPORT

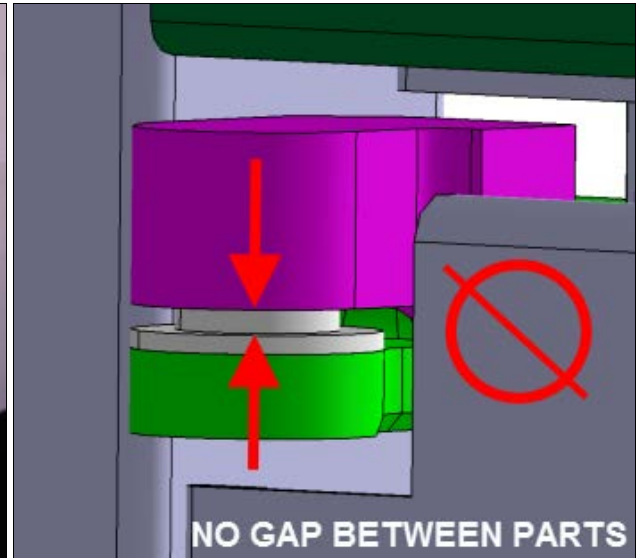


FIG.7 NO GAP - UPPER HINGE

5. Remove door support installed at step 2 and open and close the door several times to make sure it is working properly, check door bottom and side adjustments. Bottom of the door should fit flush with the bottom of the fender (+/- 2mm) and there should be a 0.236" (6 mm) gap between the door and the vehicle rear fender (Fig.8).

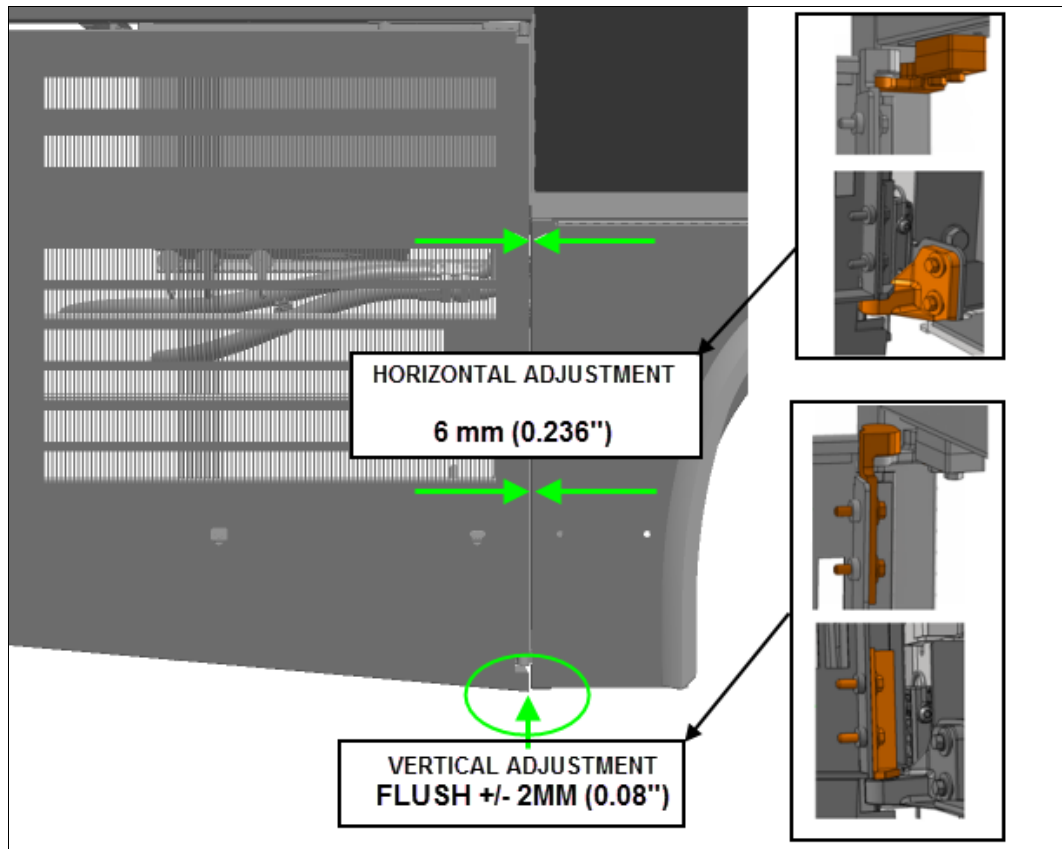


FIG.8 RADIATOR DOOR HORIZONTAL & VERTICAL GAPS

NOTE

If gap is out of spec the compressor door may be adjusted for proper fit by untightening hinge bolts:

- Loosen the bolts holding the hinge to the vehicle structure to shift the door horizontally LEFT or RIGHT.
- Loosen the bolts holding the hinge to the door frame to shift the door vertically UP or DOWN.

6. With the door gaps correctly adjusted, remove bolts and apply blue, *medium strength thread locker* (remove bolts one at the time – do not disturb adjustment), torque fasteners to the specified torque (**68 lb-in**) and apply a stripe of tamper proof indicator paint (torque seal) to all bolt heads (Fig.9).

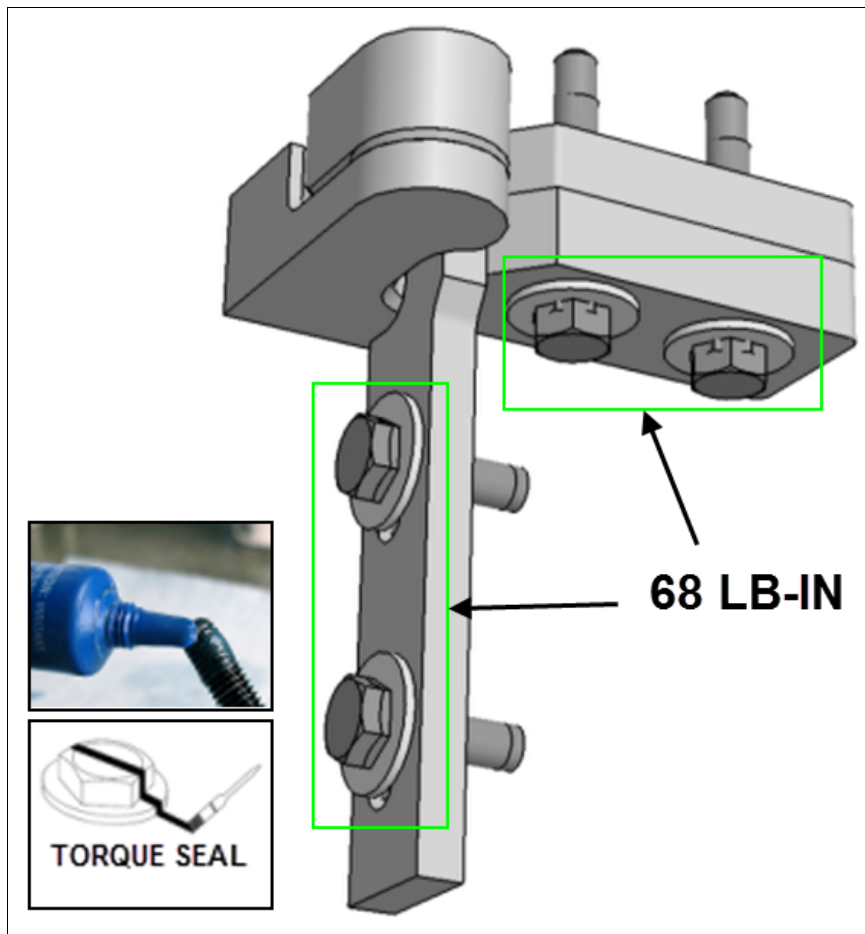


FIG.9 APPLY THREAD LOCKER, TORQUE & APPLY TORQUE SEAL

7. Reset main circuit breakers and set the battery master switch (master cut-out) to the ON position.

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PARTS / WASTE DISPOSAL

Return replaced parts to Prevest with A.F.A. for full reimbursement.
Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

ESTIMATED TIME

The time required to perform this special bulletin is approximately ½ (0.5) hours.

OTHER

VBC Bulletin	N/A
Fail Code	18.05
Defect Code	09
Syst. Cond	B
Causal Part	289150

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