

PREVOST

ENREGISTRÉ - REGISTERED
ISO 9001 & ISO 14001

**WARRANTY
BULLETIN**


Wb09-17A



DATE : DECEMBER 2009	SECTION :	18 - Body
EXPIRATION: JUNE 2012		
SUBJECT : INSPECTION OF WELD BEADS ON 85" SUPER CARGO DOOR PANTOGRAPH ARM		

REVISION : A- THIS WARRANTY BULLETIN SUPERSEDES PREVIOUS VERSION.
Expiration date extended to June 2012

APPLICATION

Model	VIN	
X3-45 Coaches Model Year : 2007 - 2008	<p>Vehicles</p> <p>2PCG33494<u>71028754</u> 2PCG33494<u>71028821</u> 2PCG33499<u>71028863</u> 2PCG33498<u>71028904</u> 2PCG33494<u>71028883</u></p> <p>and</p> <p>from 2PCG33494<u>71028933</u> up to 2PCG33493<u>8C729467</u> incl.</p> <p>except</p> <p>2PCG33493<u>8C729422</u> 2PCG33494<u>8C729431</u></p>	
<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, it is absolutely necessary to inspect weld beads on each super cargo door pantograph arms. Some weld beads might be missing which could lead to fatigue cracking, thus the pantograph arm can lose its strength and become unsafe.

Only if weld beads are missing, it will be necessary to replace the pantograph arm because a repair is not permitted due to the coating applied on the steel members. The pantograph arm is considered as defective if weld beads are missing and must be replaced.

This bulletin includes two parts:

PART 1


Verification of the weld beads on the pantograph arm of both 85" super cargo doors.

PART 2

Replacement of the pantograph arm if weld beads are missing as described in Part 1.

MATERIAL

Order the following parts if weld beads are missing as described in Part 1 of this bulletin.

Part No.	Description	Qty
288783	Pantograph arm, assembly 	1
505184	Spring pin	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 1 – INSPECTIONS

- 1 Inspect as per figure 1. Make sure that the 24 weld beads are present on the pantograph arm (24 weld beads per door, 2 doors to be inspected). Furthermore, end weld beads (a total of 4) must have the shape of a « U ».
- 2 If at least, one weld bead is missing, go directly to Part 2 for replacement of the pantograph arm. If the end weld beads do not form a « U », proceed to Part 2 for replacement of the pantograph arm assembly #288783.
- 3 Following this inspection, if no weld beads are faulty, it is not necessary to replace the pantograph arm assembly #288783.

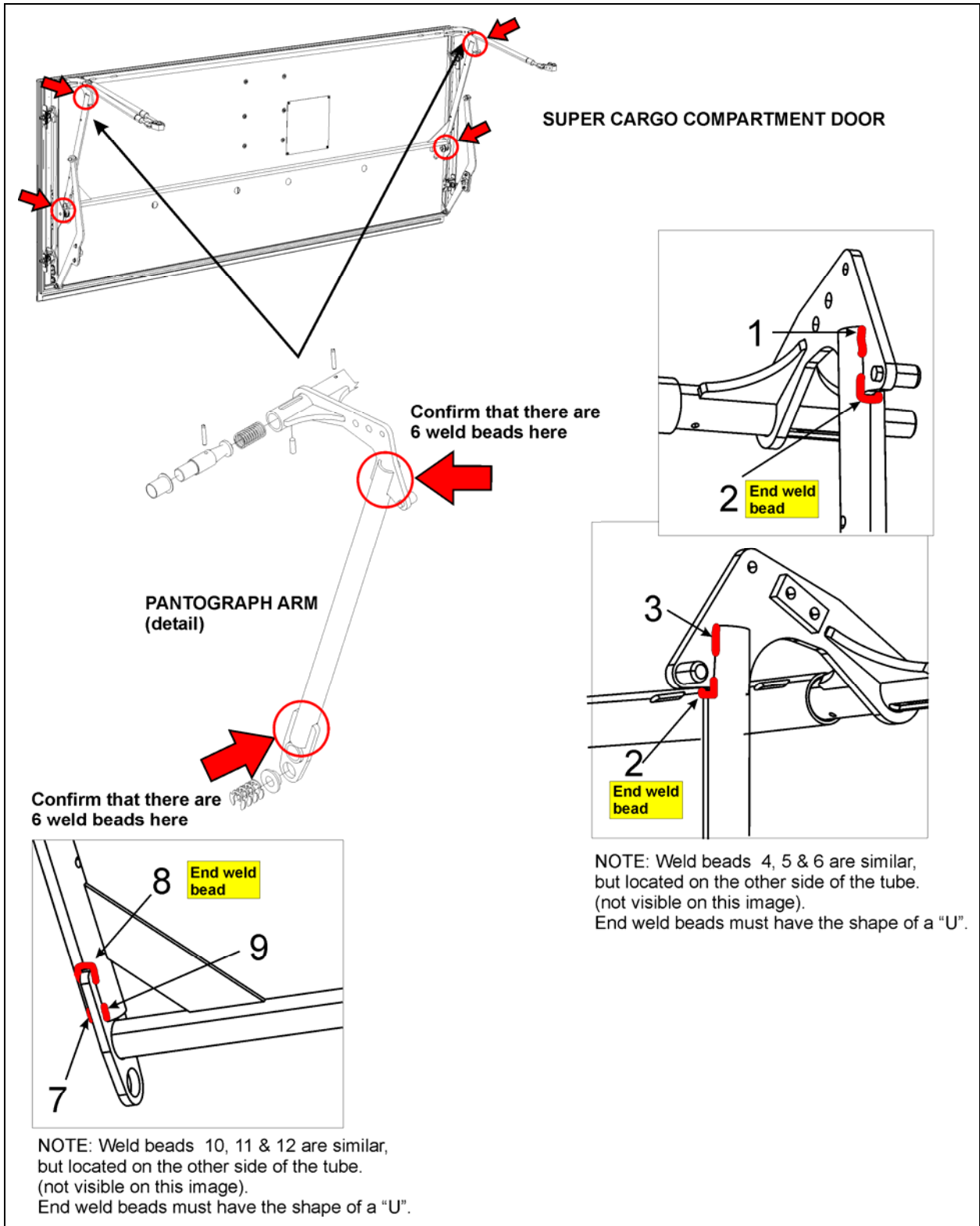



FIGURE 1: INSPECTION

PART 2 – REMPLACEMENT OF THE PANTOGRAPH ARM

The following parts are required to correct one door.

Part No	Description	Qty
505184	Spring pin	2
288783	Pantograph arm, assembly 	1

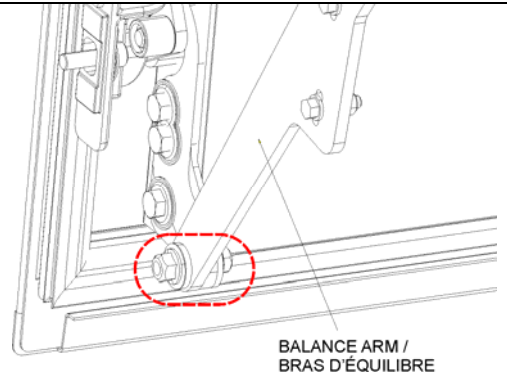
REMOVAL AND INSTALLATION



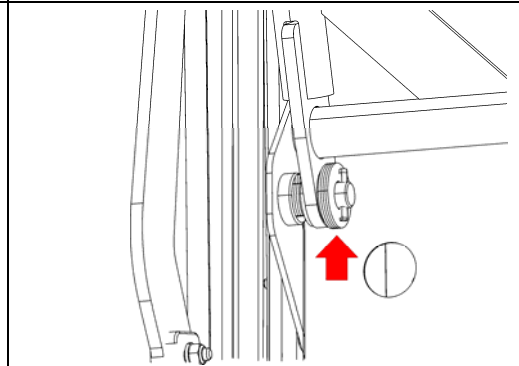
WARNING

The super cargo 85" door is very heavy. Take all necessary precautions to properly maintain and support the door during removal and installation procedure. Use a hoist and lifting belts. Perform the following steps with the assistance of your coworkers.

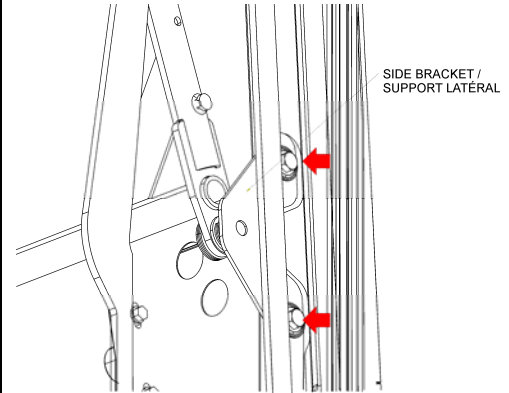
1. Open the super cargo door.
2. Disconnect the side markers electrical supply and remove the electrical harness fixed on the pantograph arm.
3. Properly support the door using lifting belts and hoist.
4. Dismount the lower part of the balance arm (2 balance arms). To do so, unscrew the nut and keep all fasteners for later use (see image on right).



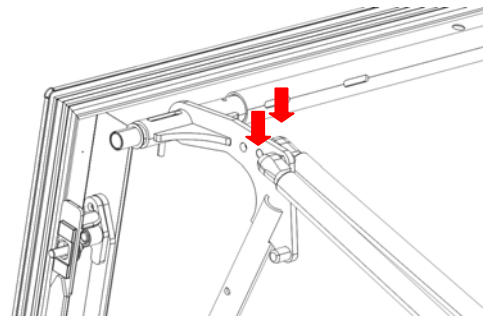
5. Remove the spring pin and the flat washers located at the lower fixing point of the pantograph arm. Keep the hardware for later use.



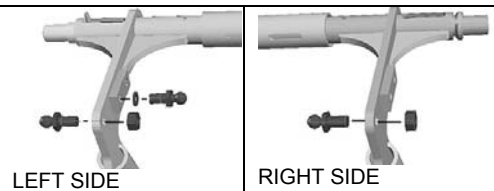
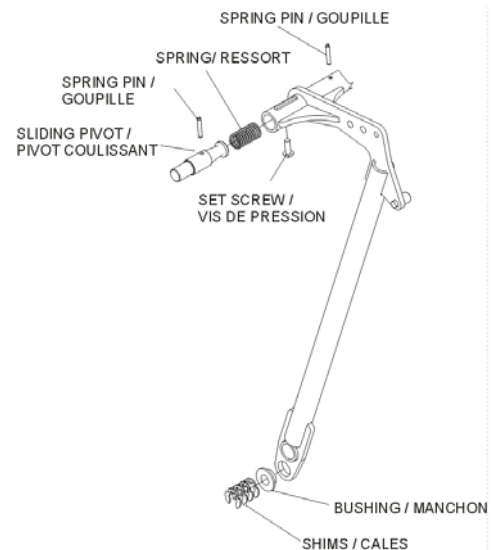
6. You will need help from your coworkers to perform the next steps.
7. Loosen the side brackets (2 side brackets).
8. Dismount the pantograph arm from the door. Keep the bushings and the shims for later use.
9. Take the door away from the working area.



10. Disconnect the gas springs from the pantograph arm (3 gas springs, 4 gas springs with WCL door).

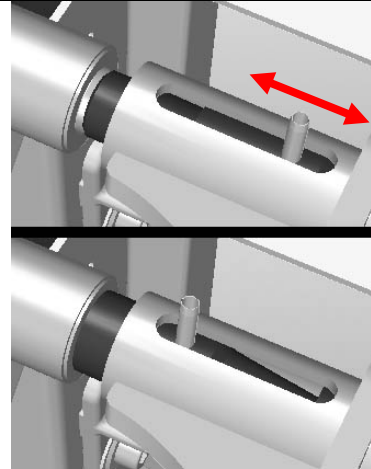


11. Loosen the set screw securing the pantograph arm's sliding pivot.
12. Move the spring pin towards the center of the tube in order to move the sliding pivot.
13. Disengage the pivot and remove the pantograph arm.
14. Transfer hardware from the existing pantograph arm onto the new pantograph arm.
 - A) The sliding pivot
 - B) The set screw
 - C) The spring
 - D) The spring pins #515184
 - E) The bushings
 - F) The shims
 - G) The ball studs

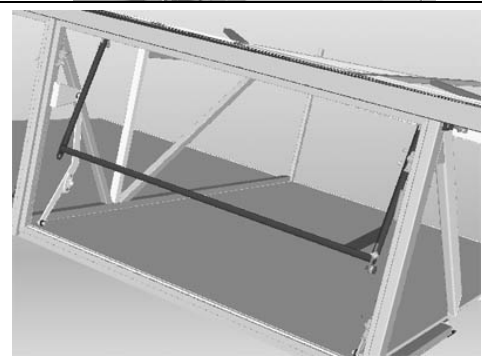


INSTALLATION OF THE NEW PANTOGRAPH ARM

15. Slide the pivot inside the tube and then tighten the set screw to hold it in place.



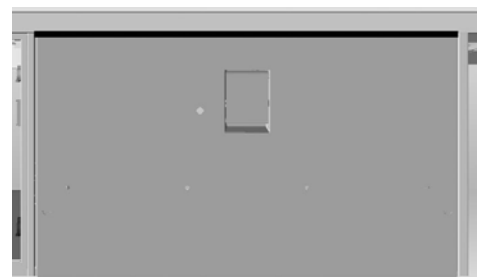
16. Engage the fixed pivot into its corresponding bushing. Place the sliding pivot lined with its corresponding bushing and set free the sliding pivot by loosening the set screw. Tighten the set screw once the sliding pivot is fully engaged in the bushing.

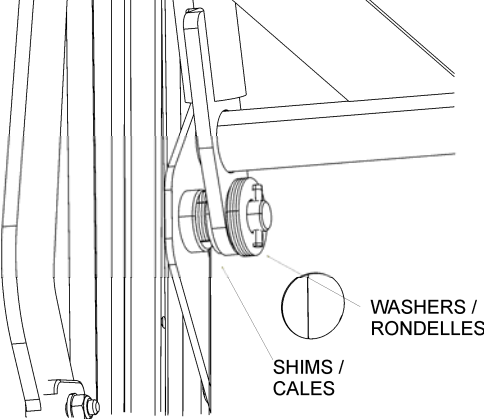
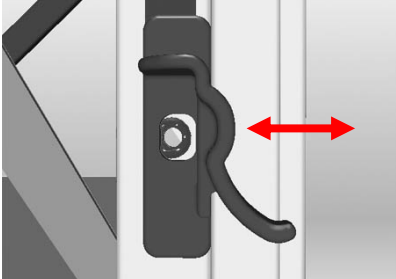
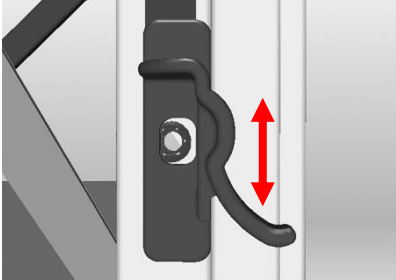
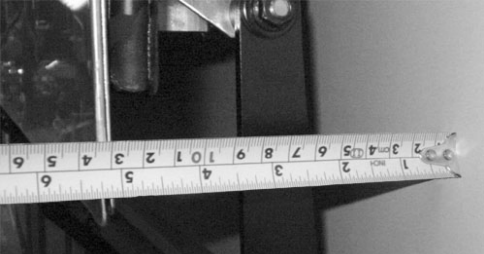


17. Using the hoist and the lift belts, bring the door close to the pantograph arm. Mount the door onto the pantograph arm. The door installation procedure is the same as removal, but in reverse order.

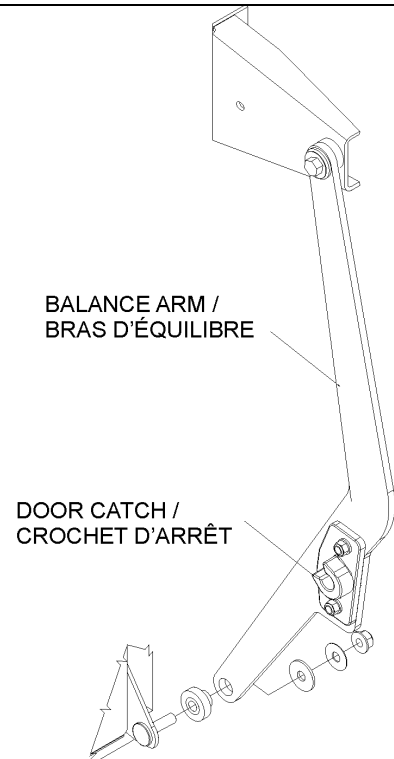
ADJUSTMENT

1. Adjust the door to get a 9/32" (7mm) gap above it. Vertical adjustment is done by moving the side brackets up and down (use a pencil and draw a line to mark out the position if required).



<p>2. Center door in the opening by adding or removing some side bracket shims as required.</p> <p>3. Once centered, prevent any side movement by adding washers next to the spring pin as required.</p>	
<p>4. Adjust door position and evenness with reference to adjacent panels and doors. Adjustment is made by moving IN or OUT the lock plates shown on the image at right.</p>	
<p>5. Check the handle adjustment. Handle must remain tight against its plastic housing. Adjustment is made by moving UP or DOWN the lock plates.</p>	
<p>6. Open the super cargo door. Check the distance between the door surface and the coach exterior surface. The measurement must be $5 \frac{1}{4}'' \pm \frac{1}{4}''$.</p>	

7. Adjustment is made by moving the door catch mounted on the balance arm. The pin must engage at least 1/4" (6mm) into the catch.



WARRANTY

This modification is covered by Prevost's normal warranty.

PART 1 - INSPECTION OF TWO 85" SUPER CARGO DOORS

We will reimburse you 1/2 hour (0.5) of labor for the inspection upon receipt of a completed A.F.A. form on which you must specify as per "Warranty Bulletin 09-17 [Part 1](#)".

PARTIE 2 - REPLACEMENT OF PANTOGRAPH ARM

We will reimburse you the parts and 2 hours (2) of labor per replaced pantograph arm upon receipt of a completed A.F.A. form on which you must specify as per "Warranty Bulletin 09-17 [Part 2](#)".

Parts / Waste disposal:

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)