



INSTRUCTION TO SERVICE

ITS: 5203	
SECTION:	420 Body A/P Interior
WRITTEN BY:	Jermie Marasigan
SUBJECT:	Remove and replace Vision Roof Hatch Glass

ITS5203

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PROCEDURE:

1. Turn the main battery disconnect switch to the “OFF” position.
2. Locate the roof hatch on the rear of the coach as shown in Figure 1.
3. Remove the existing roof hatch glass and replace with new glass NF P/N: 6409870. Follow Spheros removal and installation instruction as per Appendix A.

⚠ WARNING: Use fall protection equipment when working on the roof.

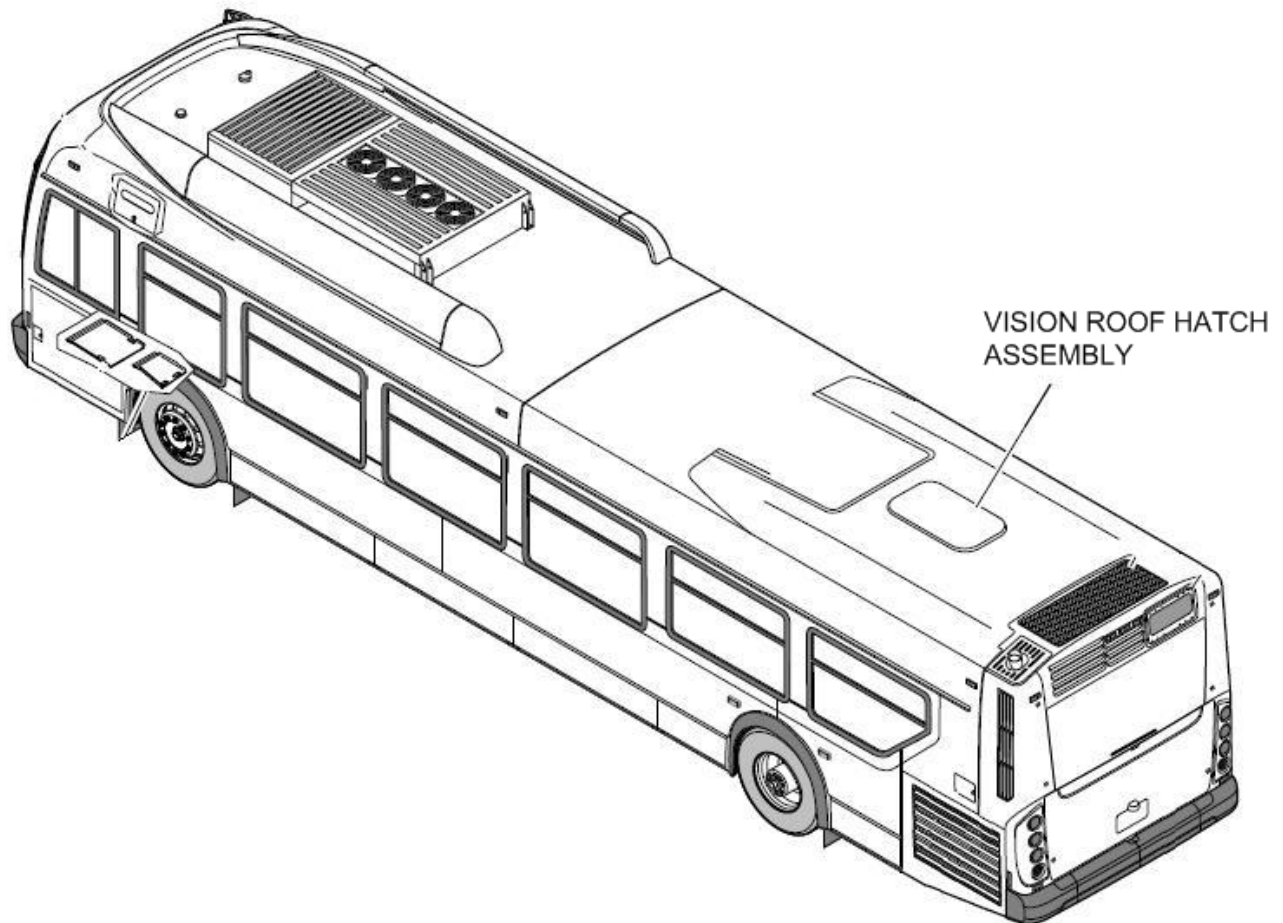


Figure 1: ROOF HATCH LOCATION REFERENCE

4. Turn the main battery disconnect switch to the “ON” position.



APPENDIX A

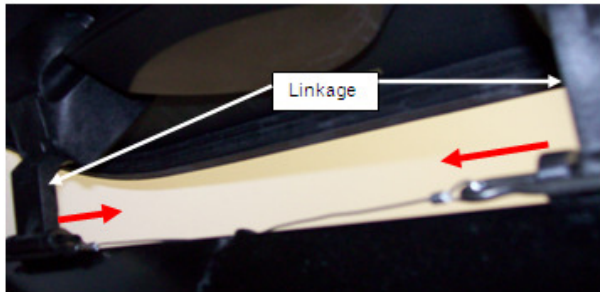
VISION HATCH REMOVAL AND REPLACEMENT INSTRUCTION



1. Procedure



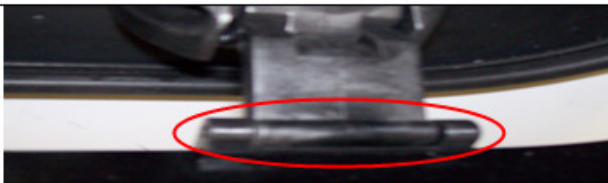
- Open the vision hatch by pushing the hatch handles upward one at a time.
- Remove plastic trim.



- Pull out emergency pin one at a time. (Do not use emergency handle to pull both pins.)
- Push both linkages and lay it on top of the bus roof.



- Remove both hinges on the opposite side using an 8mm socket wrench. (Loosen lock nut one at a time on both hinges. Uneven removal of nuts on the hinge will unbalance the glass.)
- Detach glass from the hinges and recover the plastic spacers.



- Get a replacement hatch and transfer the hinges of the old hatch to the replacement hatch. Tighten each nuts with a 3.0 Nm screw driver torque wrench.



- Set replacement hatch on the roof of the bus.
- At the emergency hinge side, set both linkages back to the hinge slot and replace safety pin. (Ensure pin is fully engaged into the slot)
- Keep hinges in release position.





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	<ul style="list-style-type: none">• On the opposite side of the hatch, replace plastic spacer to the bracket and hold it.
	<ul style="list-style-type: none">• Attach mechanical hinge onto the bracket. (Ensure hinges are in release position for easier installation)
	<ul style="list-style-type: none">• Replace one lock nut using a socket wrench. (Ensure the other bolt is right in the other slot before partially tightening it. Do not fully tighten the nuts until the other hinge is joined to the bracket.)
	<ul style="list-style-type: none">• Tighten all nuts using a 3Nm screw driver torque wrench.• Replace trim. Ensure trim end with notch should be positioned at the emergency handle side.• Close the hatch and place old hatch in the box to be returned to supplier.

Prepared by Allan Pangantihon	Approved by Chris Kulaga
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LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	Remove and replace Vision Roof Hatch Glass	1	0.5	0.5

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	6409870	VISION HATCH GLASS W/O MECHANISM	1	EA	Vendor P/N: 8601136A