

REFERENCE:	Nova Bus Manuals
SECTION:	14: Heating and Ventilation
RS N°:	MQR 7621-816
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINE: 2018JN18
CLAIM REFERENCE NUMBER: WB-3968

SUBJECT:	Dust Intrusion in Baselight (40ft) - Coil Foam
JUSTIFICATION:	Dust intrusion in baselights area through the structure vertical tubes.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Sealing vertical tubes of bus with coil foam.	Nova Bus	Nova Bus	*3.5 hrs
2	–	–	–	–

*Note(3.5 hrs) - 1 hr of time is allotted to clean the accumulated dust in the baselight area and light lenses. 2.5 hrs is for the actual repair work.

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
14	N90216-01	–	INSULATION FOAM BLOCKER (5.5x3.5x1.5 THK)	–
6	N90216-02	–	INSULATION FOAM BLOCKER (2x3.5x1.5 THK)	–
LEVEL 2				
–	–	–	–	–

Materials will be available within 42 days once your order has been placed. To order, please contact Prevost Parts by phone at 1-800-771-6682, by fax at 1-888-668-2555 or by email at prevostparts.commandes@volvo.com. Specify document number, quantity of parts required and shipping address.

DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED *	RETAINED	* Dispose of the unused parts and the defective parts in accordance with local environmental standards in effect.
	Yes	–	

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2017AL18	Initial release	Kumaraswamy K S

APPROVED BY:

PAGE 1 OF 10

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Austin - CMTA - Texas	L704	5051	5068	L82J7E4500471	L82J2E4500488	18
Austin - CMTA - Texas	LA18	5151	5158	L82J0H9775770	L82J3H9775777	8
Houston - Texas	L951	1915	1915	L82J0G9775203	L82J0G9775203	1
Houston - Texas	L981	1916	1994	L82J8G9775434	L82J4G9775513	79
San Antonio Texas	L990	-	-	L82K5G9775464	L82K5G9775464	1
San Antonio Texas	LA10	422	446	L82K9G9775628	L82K8G9775653	25
San Antonio Texas	LA22	447	555	L82K8H9775654	L82K0H9775762	109
San Antonio Texas	LA34	556	580	L82K0H9775857	L82K8H9775881	25
San Antonio Texas	LA35	581	691	L82KXH9775882	L82K8H9775993	111
SEPTA - Pennsylvania	L728	—	—	L82W7D4500335	L82W7D4500335	1
SEPTA - Pennsylvania	L744	—	—	L82L7E4500570	L82LXE4500661	89

**WARNING**

Follow your internal safety procedures.

PROCEDURE

- 1.1. Park the vehicle on an even surface with transmission in neutral (N).
- 1.2. Turn the ignition switch to OFF position and engage the parking brake.
- 1.3. Set the Master control switch in the STOP position (see Figure 1).

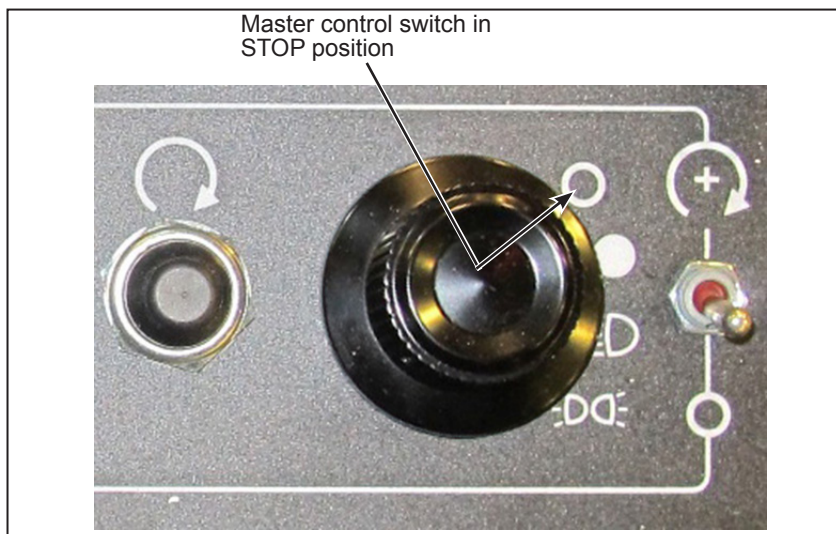


Figure 1 - Master Control Switch in STOP Position

**WARNING**

Before starting any work on the vehicle, make sure the vehicle is completely and securely stationary. Disconnect the starting circuit on the control box at the rear of the vehicle and place the battery disconnect switches in the OFF position.

- 1.4. Disconnect the battery ground cable. Insulate the terminals to avoid accidental grounding.

**NOTE**

Retain hardware if removed during the procedure for later reinstallation.

**NOTE**

See the manufacturer's manual, supplied by Nova Bus, for additional details and information.

- 1.5. Locate and open the ITS box (if present) on the street side baselight (see Figure 2).

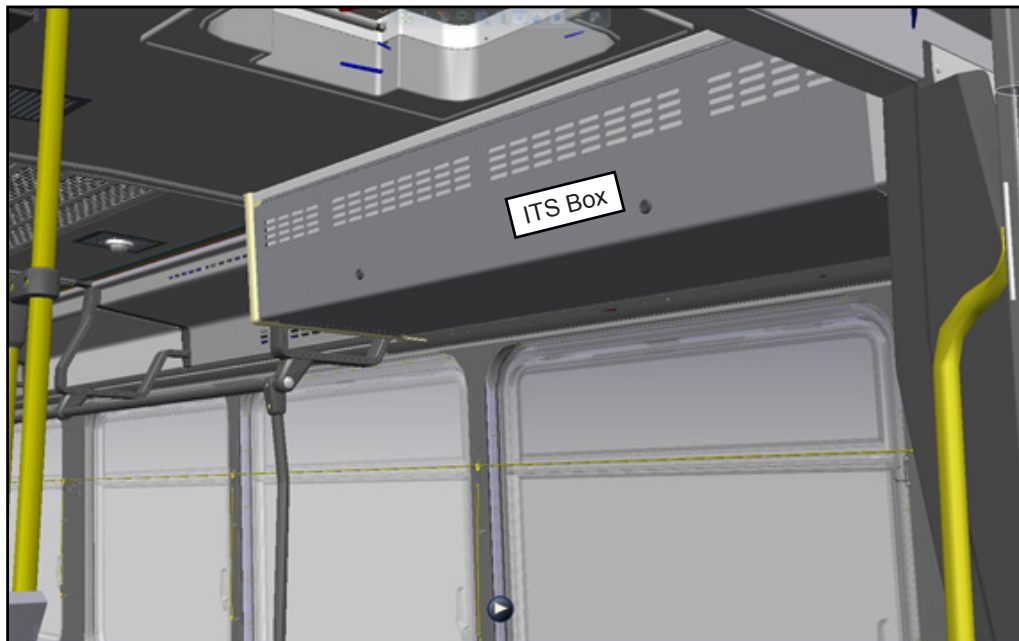


Figure 2 - Typical Location of ITS Box

- 1.6. Remove all the baselight access panels (all sides) and retain the hardware if removed (see Figure 3).

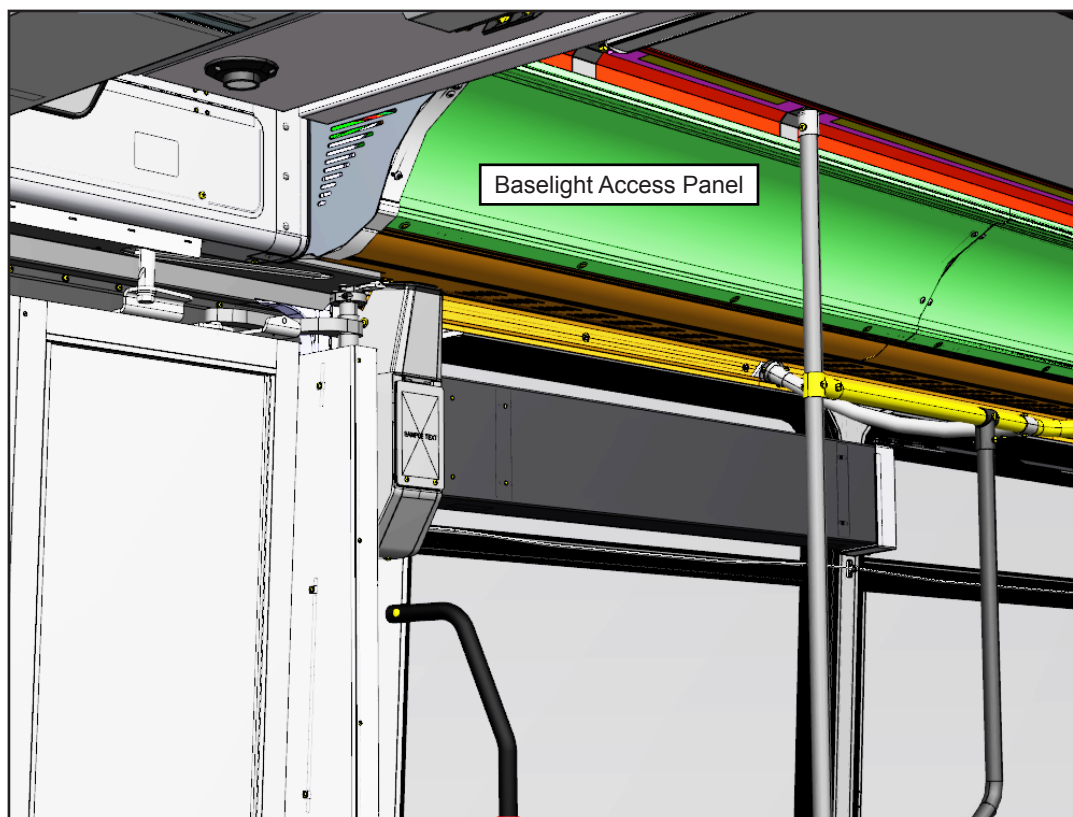


Figure 3 - Typical View of Baselight Access Panel

- 1.7. Identify the structure vertical tubes with top hole cut-outs in the baselights, as these will be blocked with Coilflex Foam to block dust/debris intrusion (see Figure 4 and Figure 5). The hole cut-outs are present along the length of the bus.

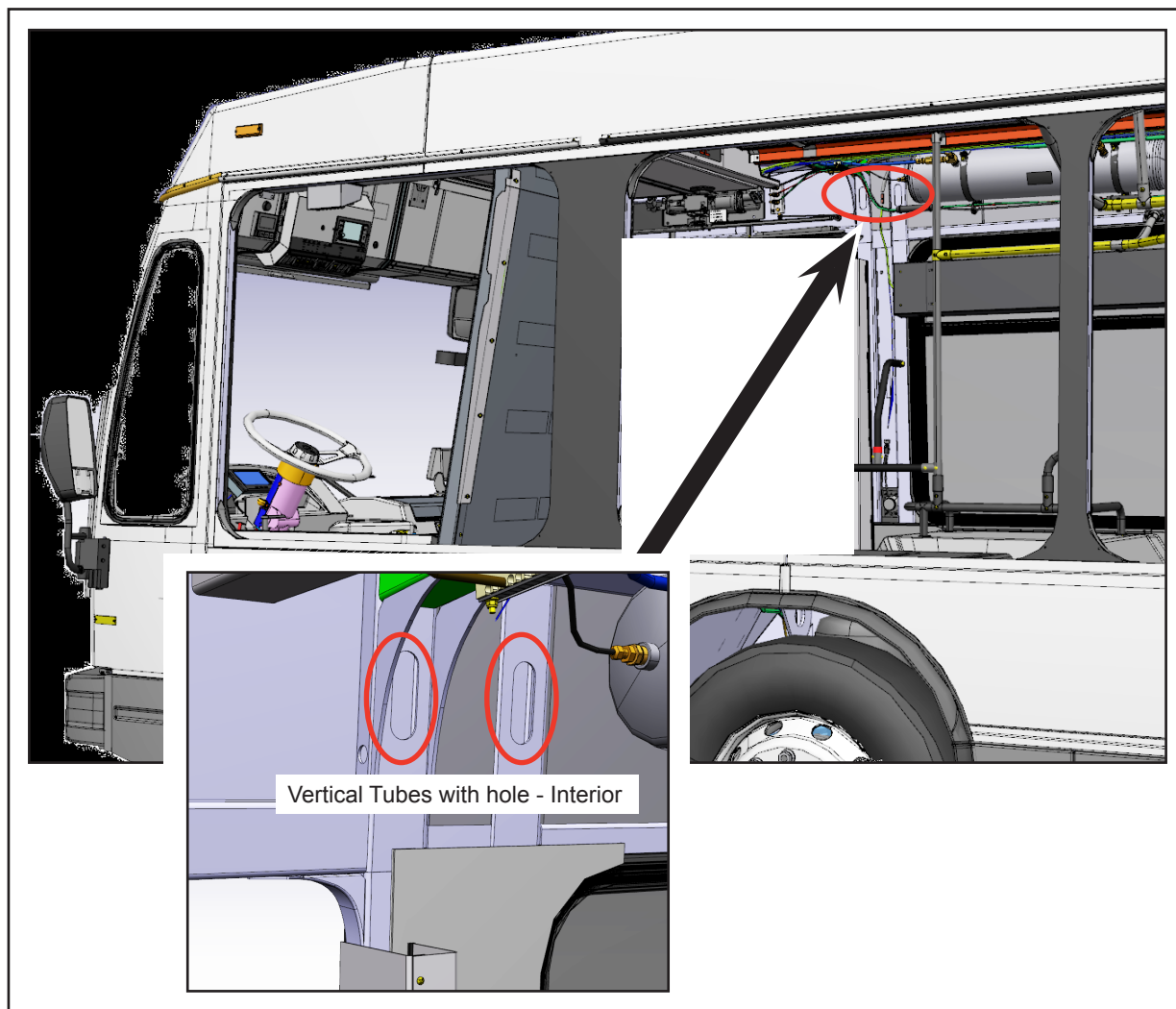


Figure 4 - Typical View of Vertical Tubes with Hole (Interior)



NOTE

40ft buses will have approx. 15 vertical tubes with hole cut-outs at the top.

- 1.8. Identify the standard HVAC drain position (A), to be filled with smaller foam piece (N90216-02) (see Figure 5). Other highlighted tubes to be filled with larger foam piece (N90216-01). Location subject to change based on HVAC position.

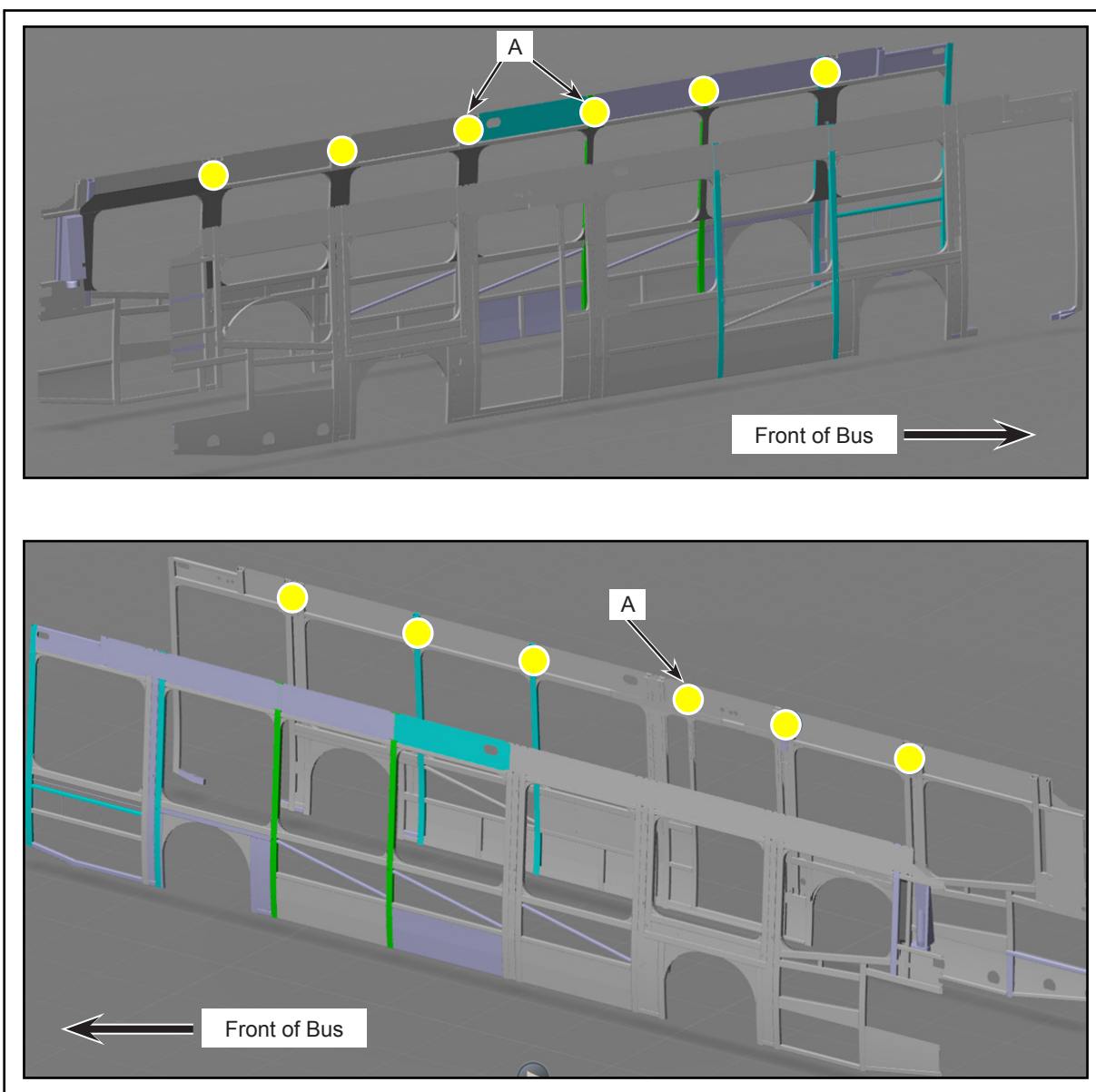


Figure 5 - Typical View of Hole Cut-outs in Vertical Tubes with Standard HVAC Drain Positions



NOTE

There are two sizes of foam pieces:

- Large Foam Piece: (5.5 x 3.5 x 1.5) mm thickness. Used for all tubes not obstructed by HVAC drains.
- Small Foam Piece: (2 x 3.5 x 1.5) mm thickness. Used for all tubes with HVAC drains.

- 1.9. Use the larger coil foam pieces to block all the cut-outs with no large obstruction (HVAC drains).
- 1.10. When installing, ensure that the foam fully expands inside the structure tube to block the air passage. The foam piece is oversized and will hold in place on all 4 surfaces (see Figure 6).
- 1.11. Ensure that at least 50% of the foam is hidden inside the tube (see Figure 6).

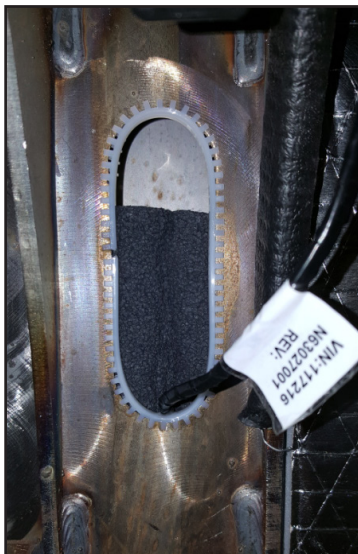


Figure 6 - Installation of Large Coil Foam Piece

- 1.12. If a hole and cut-out are present, ensure that the foam is low enough to cover the hole (see Figure 7).



Figure 7 - Typical View of Hole and Cut-out covered with the Large Foam Piece

- 1.13. Use the smaller foam pieces to block the top portion of the structure cut-outs with an HVAC drain (see Figure 8).

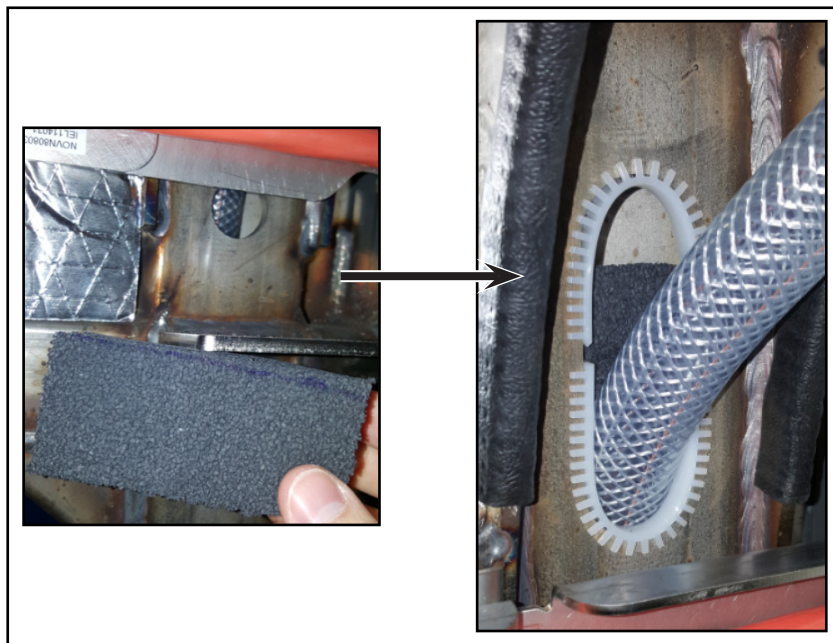


Figure 8 - Typical View of Smaller Foam Pieces to Block the Top Portion of the Structure

- 1.14. To block the small hole, the small foam piece can be split in two along its joint to reduce its size and fit easier into the hole (see Figure 9).

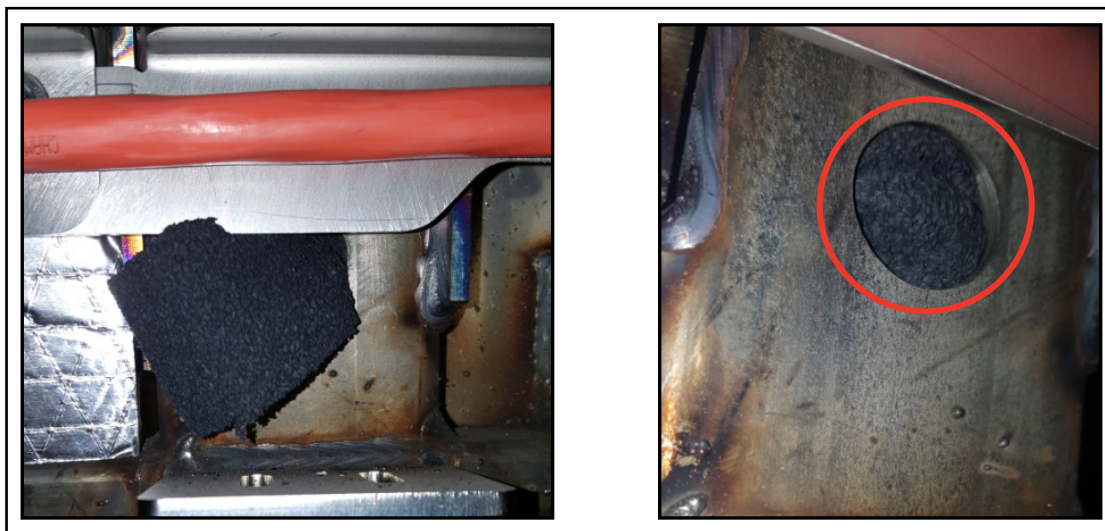


Figure 9 - Vertical Tube - HVAC Drain

- 1.15. Use the larger foam piece to seal the inter-wall area between the two vertical tubes behind the rear wheelhouse (both sides) (see Figure 10).

- 1.16. If no PEX or copper pipes are present, use a piece of large foam to block the hole leading inside the wall (see Figure 10).

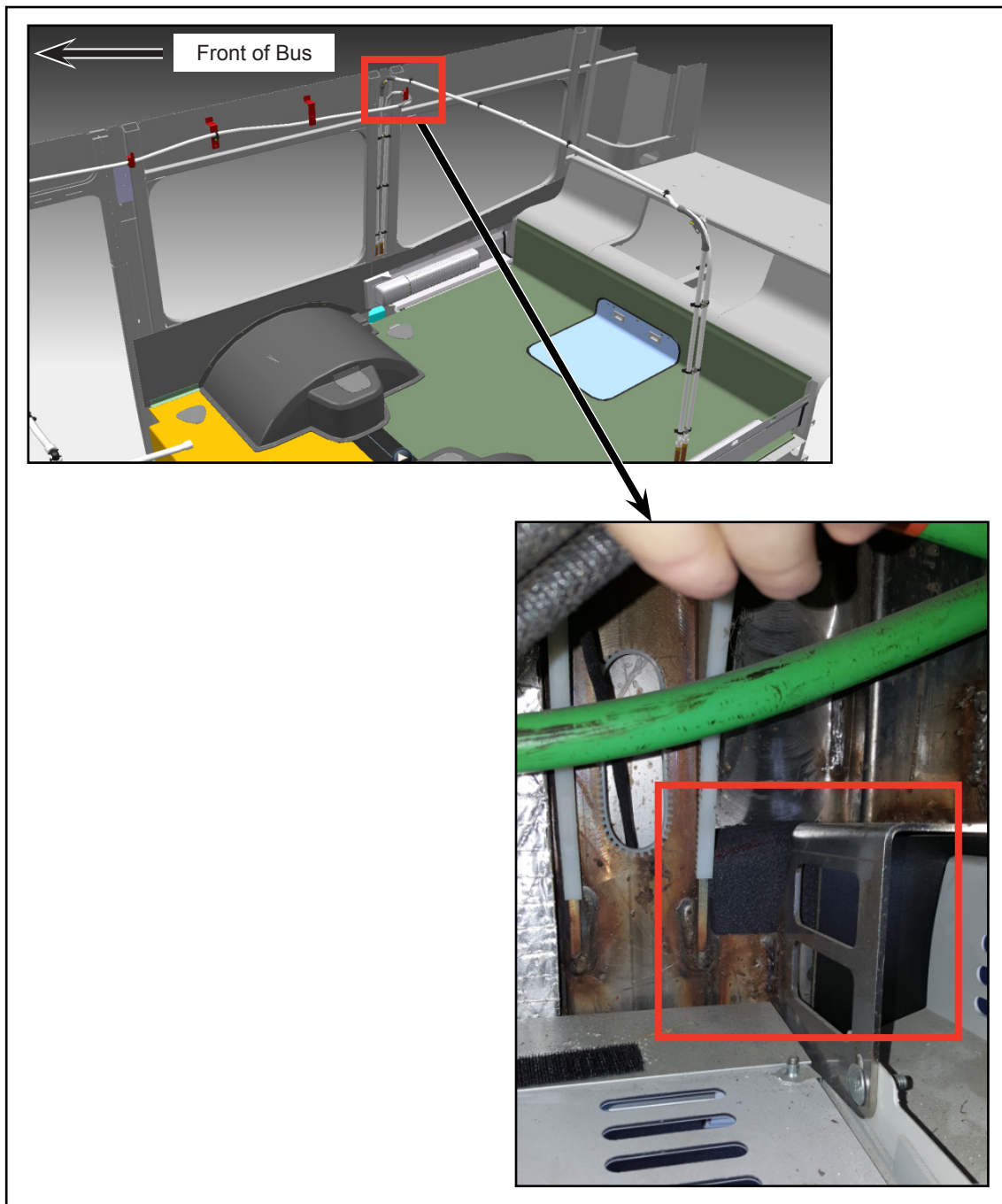
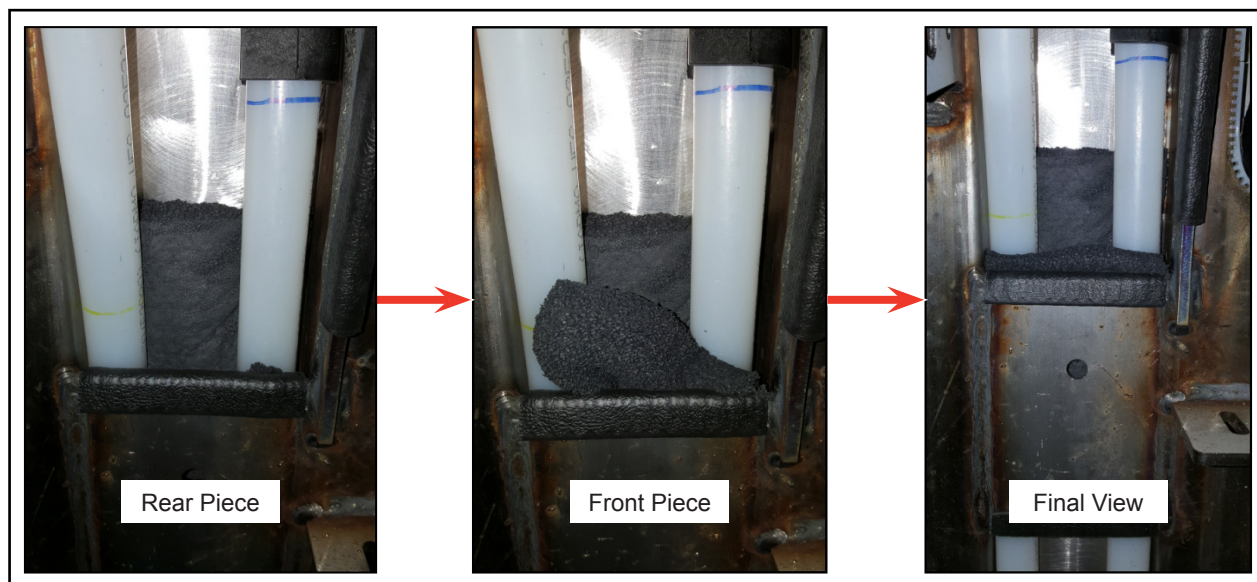


Figure 10 - Typical Location of Inter-wall

- 1.17. If PEX or copper pipes are present, use a piece of large foam.
- 1.18. Split the large foam piece in two to block the hole leading inside the wall.
- 1.19. Use the thicker piece to block the rear of the PEX or copper pipe. Shimmy the foam piece on back of the pipes to block all rear air passages (see Figure 11).
- 1.20. Use the thinner piece to block the front. Pack the foam into place to block all front air passages (see Figure 11).



- 1.21. Install all the baselight access panels with retained hardware.
- 1.22. Close the ITS box (if present).
- 1.23. Connect the battery ground cable.
- 1.24. Set the Master control switch in the ON position.
- 1.25. The vehicle may be returned to service.❖