

REFERENCE:	Nova Bus Manuals
SECTION:	14: HVAC
RS N°:	MQR 7621-1427
EFFECTIVE IN PROD.:	LA86 (2018NO)

APPLICATION DEADLINE:N/A

SUBJECT:	To facilitate the replacement of the A/C unit evaporator on CNG vehicle
JUSTIFICATION:	A new option is available to ease the removal of the Thermo King AC unit evaporator on CNG vehicles.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Modify the vehicle structure and install new access panel N93775, to ease access to the evaporator anchor nut.	Client	Client	4h
2	-	-	-	-

MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
LEVEL 1				
1	N93775	-	Angled access panel	-
1	N66254-75	-	Rectangular insulation	-
8	N39340	-	Rivet	-
305 ml	N24232-01	-	White Sikaflex 252 (cartridge)	-
LEVEL 2				
-	-	-	-	-

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
	-	-

REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2018AU30	Initial release	Luc Carignan

APPROVED BY:

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Hamilton - Ontario - Metrolinx	L885	1501	1524	L82K3F4501093	L82K0F4501214	24
Hamilton - Ontario - Metrolinx	L956	1601	1632	L82K2G9775325	L82K3G9775415	32
Hamilton - Ontario - Metrolinx	LA05	1633	1643	L82K4G9775553	L82K7G9775577	11
Hamilton - Ontario - Metrolinx	LA63	1701	1719	L82K5J9776430	L82K5J9776461	30
NFTA - Buffalo, New York	L877	1501	1501	L82K0F4500984	L82K0F4500984	1
NFTA - Buffalo, New York	L897	1502	1520	L82K1F4501223	L82K1G9775008	19
NFTA - Buffalo, New York	L947	1601	1624	L82KXG9775248	L82K3G9775320	24
NFTA - Buffalo, New York	LA24	1701	1716	L82K3H9775822	L82K5H9775837	16
NFTA - Buffalo, New York	LB22	1801	1816	L82KXJ9776486	L82K1J9776506	16
Red Deer - Alberta	L924	10104	10147	L82K0G9775517	L82KXG9775542	12
Red Deer - Alberta	L960	10021	10025	L82K9G9775418	L82K3G9775429	5
Red Deer - Alberta	LB25	10074	10084	L82K5J9776525	L82K8J9776535	10

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

PROCEDURE

- 1.1. Open the battery compartment access door.
- 1.2. Set the battery disconnect switch in the battery compartment to the OFF position. See Figure 1.

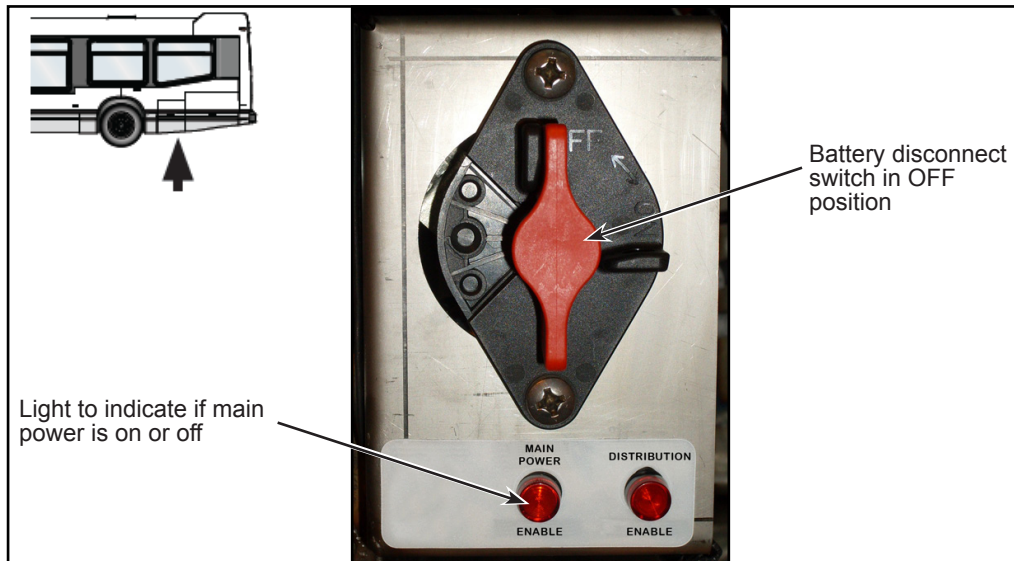


Figure 1 - Battery Emergency Disconnect Switch

- 1.3. Open the ITS baselight box. See Figure 2.

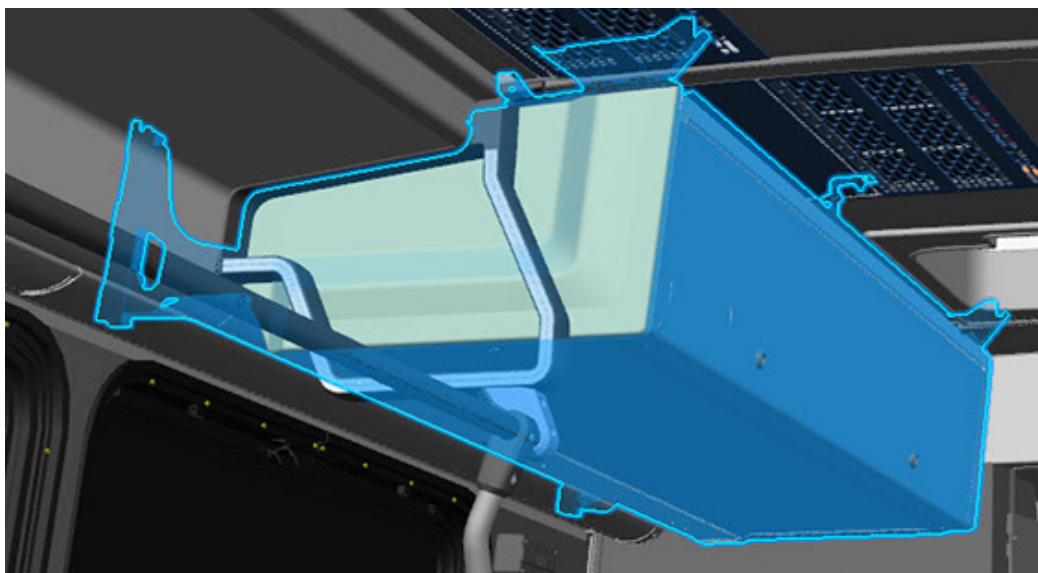


Figure 2 - ITS Baselight Box

- 1.4. Remove the mounting screws of the upper ITS panel and carefully place the panel at the bottom of the ITS box. Retain the mounting screws. See Figure 3.

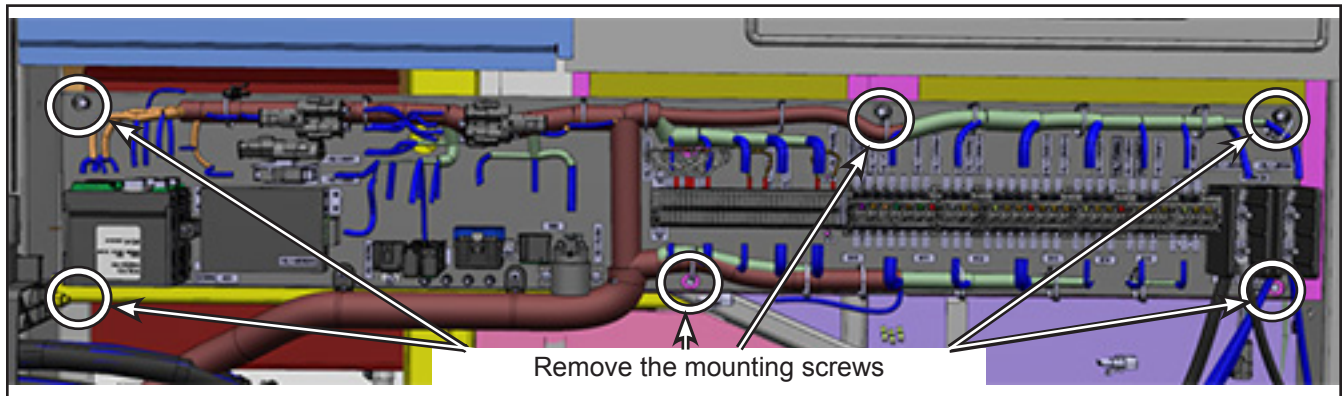


Figure 3 - Upper ITS Panel

- 1.5. With a grinder or any equivalent tool, cut an access hole in the structure according to the dimensions shown in Figure 4.

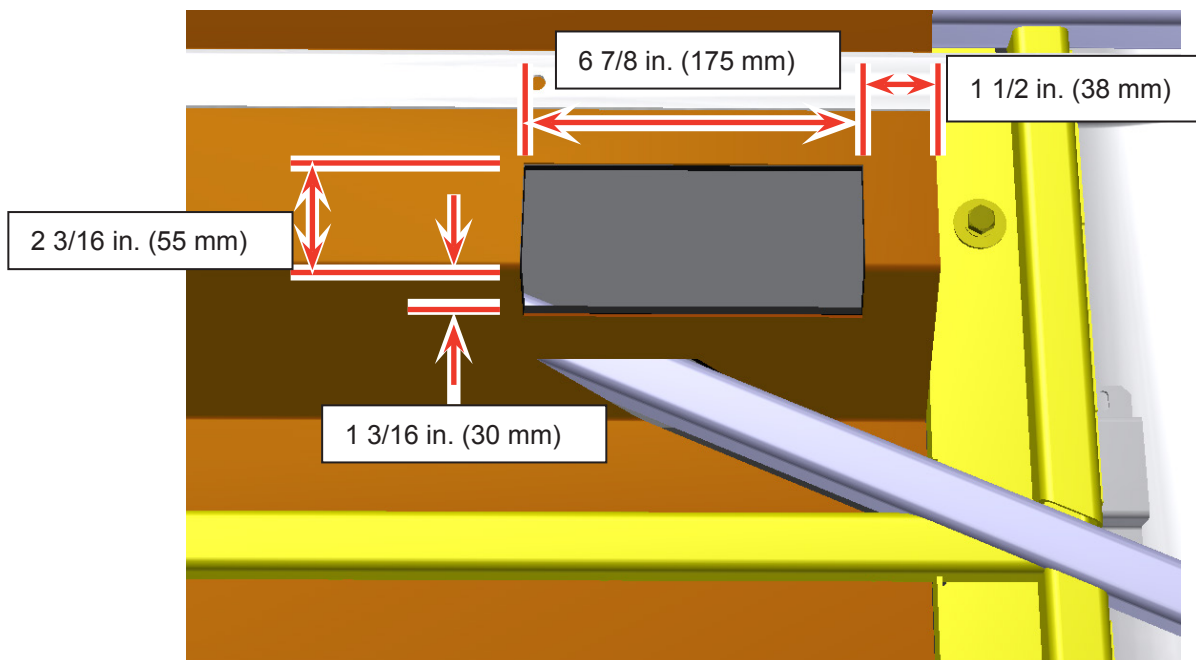


Figure 4 - Dimensions of Hole to Cut in the Structure

- 1.6. Use angled access panel N93775 as a template to drill two holes, using a #11 drill pin, around the access hole made in the previous step. See Figure 5.

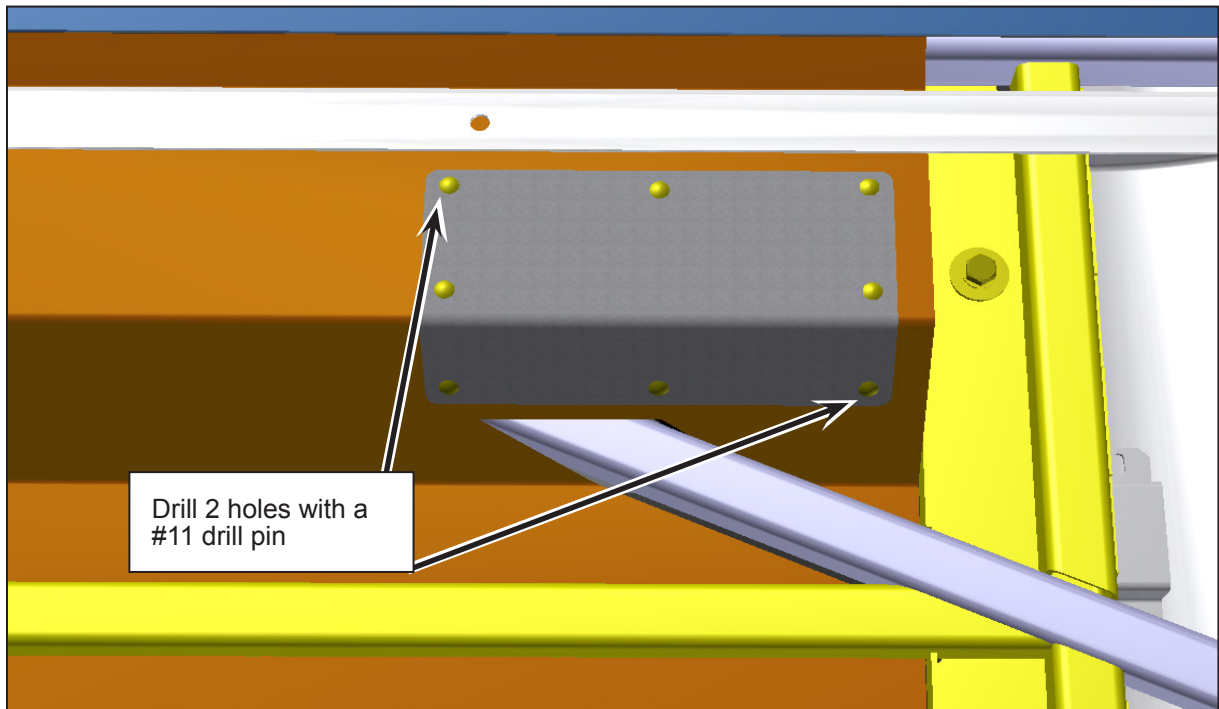


Figure 5 - Holes to Drill

- 1.7. Remove the angled access plate N93775 and clean the inside of the plate with isopropyl alcohol or a degreaser to obtain a good bonding surface. Clean the surface with a clean dry cloth to make sure the surface is dry.
- 1.8. Place rectangular insulation N66254-75 on the cleaned N93775 plate. If needed, cut a portion of the insulation to avoid interference with the metal around the access holes cut in the structure. See Figure 6.
- 1.9. Remove the plastic skin from rectangular insulation N66254-75 and bond the insulation on to the clean surface of plate N93775. Press firmly for 5 seconds for good adherence. See Figure 6.

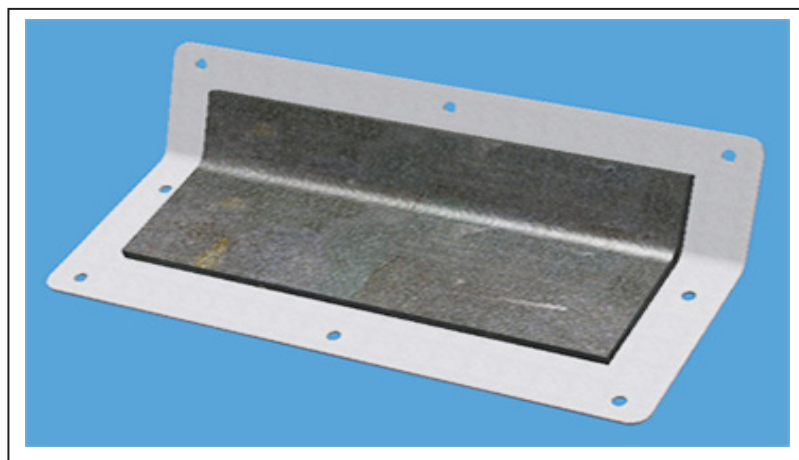


Figure 6 - N93775 Plate with N66254-75 Insulation

- 1.10. Apply a 5/64 in. (2 mm) bead of N24232-01 white Sikaflex 252 around and between each hole of the N93775 plate. See Figure 7.

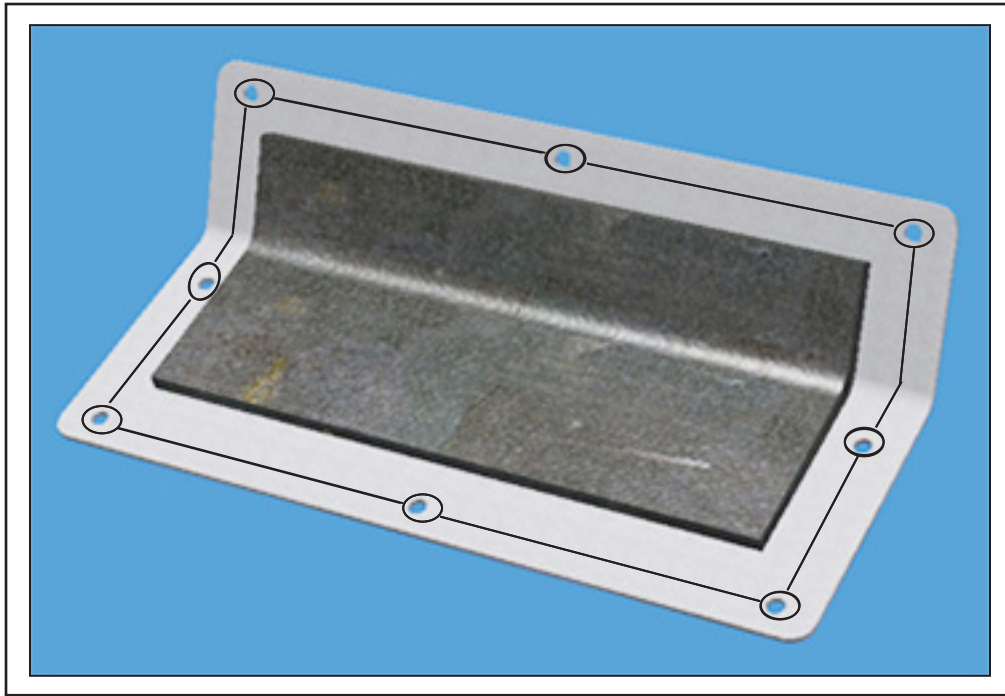


Figure 7 - N93775 Plate with a Bead of N24232-01 SikaFlex

- 1.11. Install the N93775 on the structure using 2 N39340 rivets in the drilled holes. Clean off any excess of Sikaflex. The plate needs to be watertight to protect the components in the ITS compartment.
- 1.12. Drill the remaining holes on the N93775 plate using a #11 drill pin.
- 1.13. Install 6 rivets N39340 on plate N93775.
- 1.14. Apply N24232-01 white Sikaflex 252 on the head of the rivets and around to ensure the installation is watertight.
- 1.15. plate. Affix the upper ITS panel with the retained mounting screws.
- 1.16. Close the ITS box.

