

REFERENCE:	Nova Bus Manuals
SECTION:	09: Engine
RS N°:	MQR 7621-2267
EFFECTIVE IN PROD.:	N/A

APPLICATION DEADLINES: N/A

SUBJECT:	Crank case vent (CCV) hoses on CNG engine
JUSTIFICATION:	Crank case vent (CCV) hoses may get damaged over time.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Install improved CCV inlet hose.	Client	Client	1h
2	If damaged or required, replace the thermofoil heat shield protection.	Client	Client	

MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
LEVEL 1			
1	N106519	–	HOSE INLET CCV PREFORMED
4	N84090-14	A	P-CLAMP ID 2.250"THK 0.060"M8
LEVEL 2 (only if required)			
1	N74053-09	–	SLEEVE HEAT, W/ADHES, 2"
6	N56339	A	TIE TEFZEL CABLE TIES

Materials will be available within 61 days once your order has been placed.

To order, please contact novabus.parts@volvo.com

Or by phone for CANADA 1-800-771-6682, for USA 1-877-999-8808

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	2022NO01	Initial release	André Pelletier
R1	2022DE01	Figure 1 modified. Material list in level 2 to be ordered only if required.	André Pelletier

APPROVED BY:

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CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Buffalo New York - NFTA	LC12	1901	1923	L82K6K9777345	L82K8K9777377	23
Houston - Texas	LB63	2050	2050	L82K2J9776708	L82K2J9776708	1
Houston - Texas	LB72	2051	2069	L82K6J9776887	L82K4J9776905	19
Houston Texas - Metro	LC55	2070	2079	L82KXK9777378	L82K0K9777387	10
San Antonio Texas	LB26	692	735	L82KXJ9776536	L82K6J9776579	44
San Antonio Texas	LB43	970	987	L82K4J9776791	L82K1J9776828	18
San Antonio Texas	LC70	801	806	L82K3L9777577	L82K3L9777577	6
San Antonio Texas	LD11	726	738	L82K1L9777562	L82K8L9777574	13
San Antonio Texas	LD12	988	989	L82KXL9777575	L82K1L9777576	2
San Antonio Texas	LD13	739	747	L82K4L9777619	L82K4L9777619	9

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

PROCEDURE

- 1.1. Park the vehicle on an even surface with the transmission on neutral.
- 1.2. Apply the parking brake and set the master control switch to the **stop** position.
- 1.3. Set the battery disconnect switch in the battery compartment to the **off** position.
- 1.4. Lift the rear cross seats to access the engine compartment from inside the vehicle.

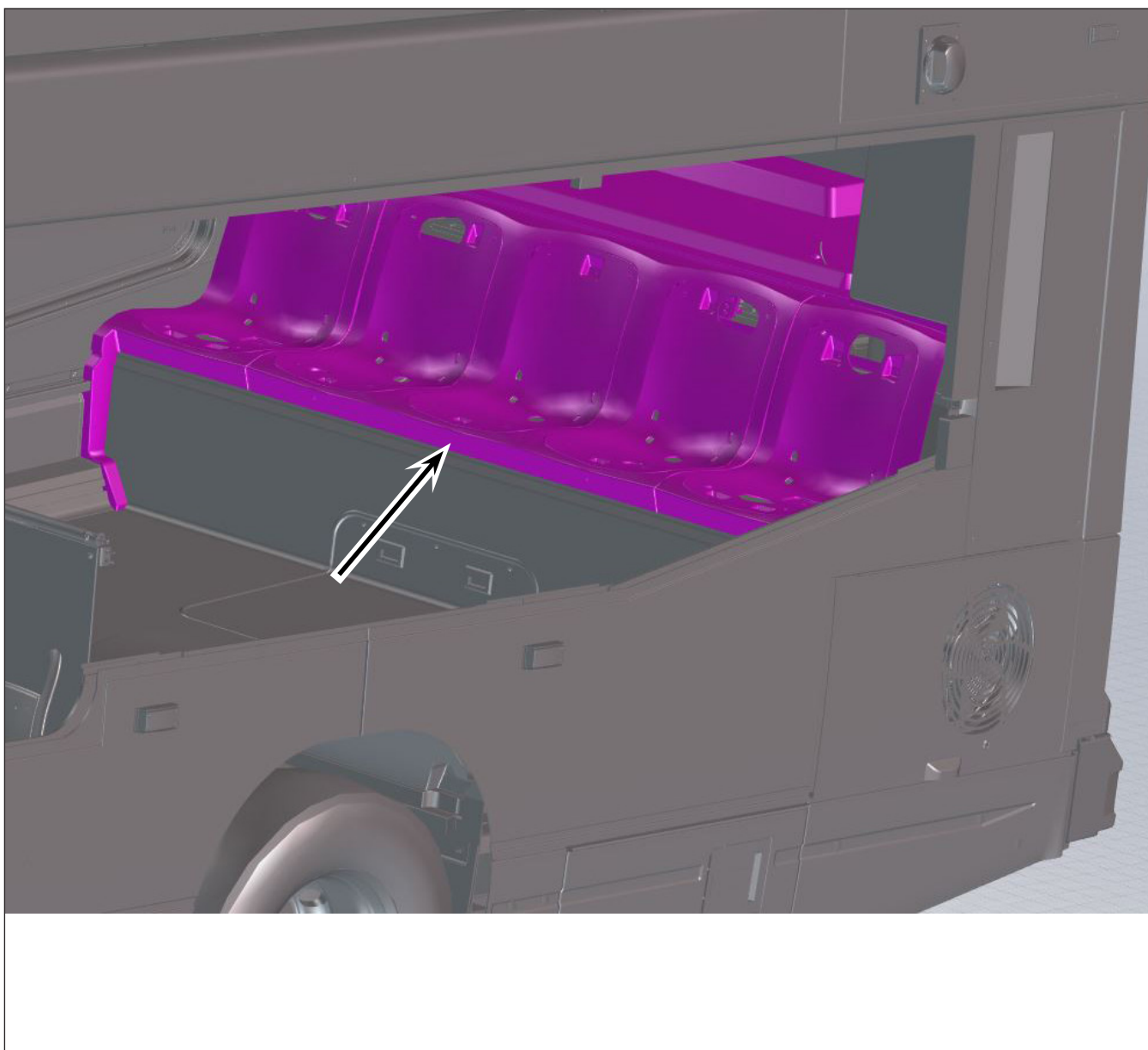


Figure 1 - Lift the Rear Cross Seats to Access the Engine Compartment

- 1.5. Remove the existing CCV inlet hose from vehicle. Discard the 4x P-clamps holding the hose. Retain the other hardware

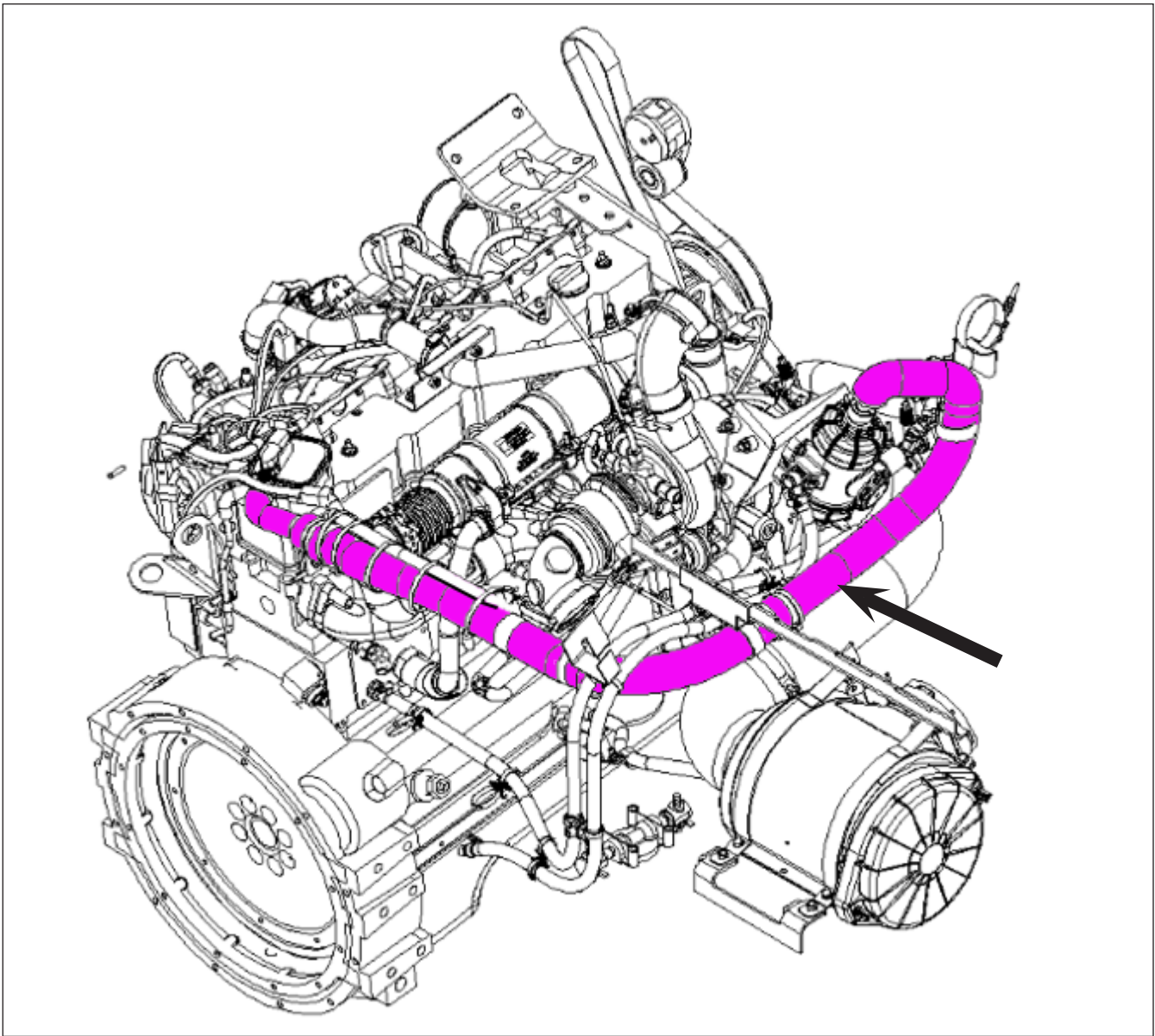


Figure 2 - Remove the Existing CCV Inlet Hose

- 1.6. *Only if required (original thermofoil heat shield damaged), order and install a new N74053-09 thermofoil heat shield on the new CCV inlet pipe. See the level 2 material list on page 1. The heat shield should start as close to the motor side connection as possible. The joint should be located away from the engine. Secure with cable ties N56339.
- 1.7. Use new P-clamps 4x N84090-14 to install the new inlet CCV hose.
- 1.8. Torque end clamps to 5 N•m (3,7 lb-ft).

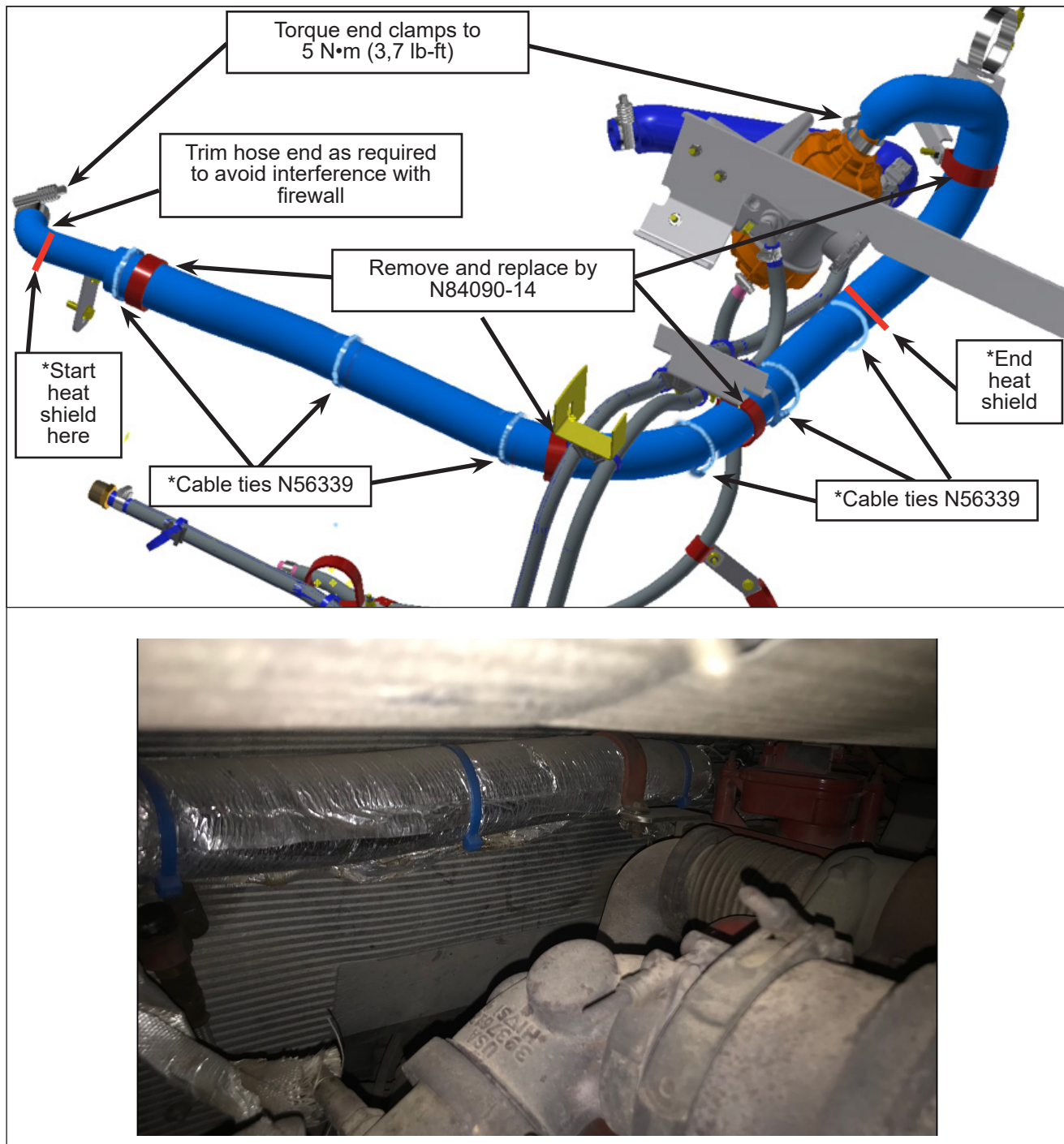


Figure 3 - Install New CCV Hose and Heat Shield

- 1.9. The vehicle can return in service.

