

REFERENCE:	Nova Bus Manuals
SECTION:	10: Transmission and Controls
RS N°:	MQR 7621-3007
EFFECTIVE IN PROD.:	LG76 (2026FE)
TC RECALL N°:	2025-539
NHTSA RECALL N°:	25V822

APPLICATION DEADLINES: N/A  
CLAIM REFERENCE NUMBER: SR5803

SUBJECT:	Electrical Coolant Package (ECP)
JUSTIFICATION:	The affected vehicles have been manufactured with an Ametek SLP pump for which the impeller may slip on the shaft causing a loss of pumping capability and may lead to various issue of the Electrical Cooling Package. A loose impeller-shaft fitting could cause a loss of pumping capability and an increase of coolant temperatures. The Electrical Cooling Package pump failures may lead to a loss of motive power. A loss of motive power may increase the risk of a crash.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Check the serial of the ECP pump.	Nova Bus	–	15 min
2	Replace the ECP pump if necessary.	Nova Bus	Nova Bus	1 h

#### MATERIAL REQUIRED PER VEHICLE

QTY	PART N°	REV.	DESCRIPTION
<b>LEVEL 1</b>			
–	–	–	–
<b>LEVEL 2 (only if required*)</b>			
1	N107906	B	Rotron SLP, ECP LFSe+
<b>*The material identified in Level 2 is to be ordered only for vehicles that meet the criteria defined in Level 1.</b>			

Materials will be available within 10 days once your order has been placed. To order, please contact [novabus.parts@volvo.com](mailto: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 *	* To be reimbursed, the parts must be retained and returned in accordance with the usual warranty procedure.
	–	Yes	

#### REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2026FE03	Initial release	Annie St-Jacques

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Bow Valley Transit Alberta	LG18					1
Brampton Ontario	LG34					1
Brampton Ontario	LG34					1
Brampton Ontario	LG34					1
Brampton Ontario	LG34					1
CMBC - Translink	LG20					1
CMBC - Translink	LG20					2
Guelph Ontario	LG38					1
Oakville Ontario	LF70					1
OC Transpo - Ottawa	LF94					1
Regina Saskatchewan	LG06					1
Regina Saskatchewan	LG06					1
Regina Saskatchewan	LG06					1
Regina Saskatchewan	LG06					1
Toronto Transit Commission Ontario - TTC	LF76					1
Toronto Transit Commission Ontario - TTC	LF76					1
Toronto Transit Commission Ontario - TTC	LF76					1
Toronto Transit Commission Ontario - TTC	LF76					1
Toronto Transit Commission Ontario - TTC	LF76					1
Washington Metropolitan Area Transit Authority - WMATA	LG13					3

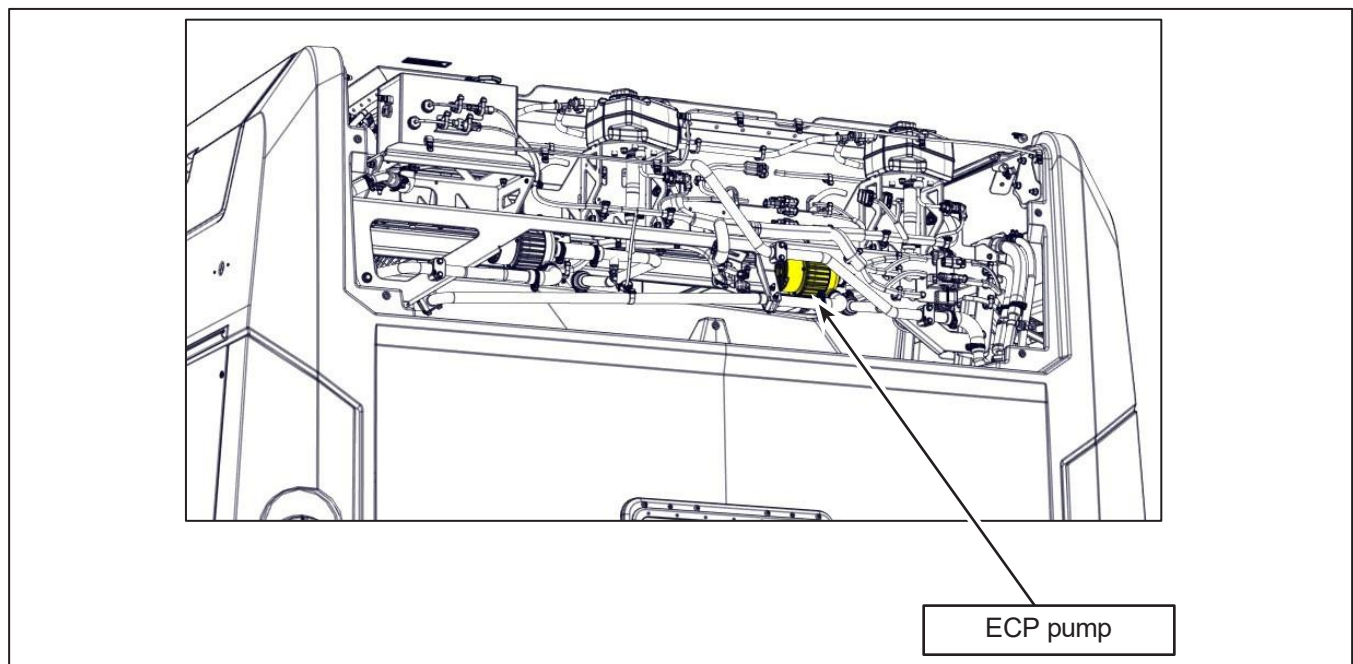
**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

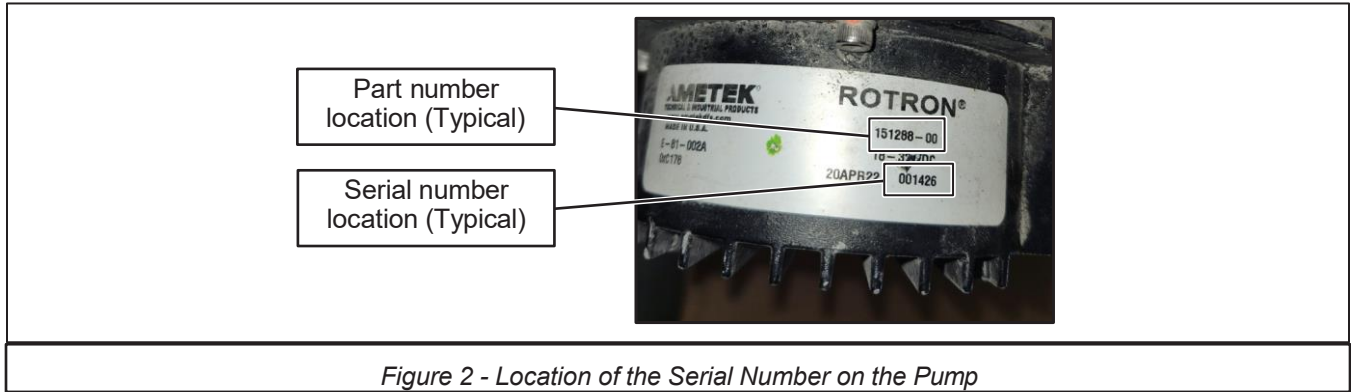
## PROCEDURE

### LEVEL 1: SERIAL NUMBER VERIFICATION

- 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. Open the radiator canopy and locate the ECP pump (Figure 1).
- 1.5. Access the ECP pump and note down its serial number (Figure 2). Note: you may need to lower the pump by unscrewing the four bolts to see the serial number.



*Figure 1 - ECP Pump Location*



*Figure 2 - Location of the Serial Number on the Pump*

1.6. Compare the serial number with Table 1 below. If the serial number is within the indicated range, the pump must be replaced.

<b>Ametek Pump Part No</b>	<b>Part Description</b>	<b>Serial Number</b>	<b>Nova Bus Part No</b>	<b>Action to take</b>
151306-00	Rotron SLP, ECP LFSe+	<b>000155 to 000231</b>	N107906	Pump must be replaced

*Table 1 - Pump's Serial Number to be replaced*

- 1.7. As per the obtained result, proceed as follows:
- If the ECP pump has to be replaced, proceed with **Level 2: ECP pump replacement**.
  - If the ECP pump does not need to be replaced, **continue with the Level 1 procedure**.
- 1.8. If the pump mounting bolts were loosened, they must be tightened at 9.4±0.5 lb-ft (12.7±0.7 N•m). Apply torque seal.
- 1.9. Close the radiator canopy.
- 1.10. The procedure is complete. The vehicle can be returned to service. ❖

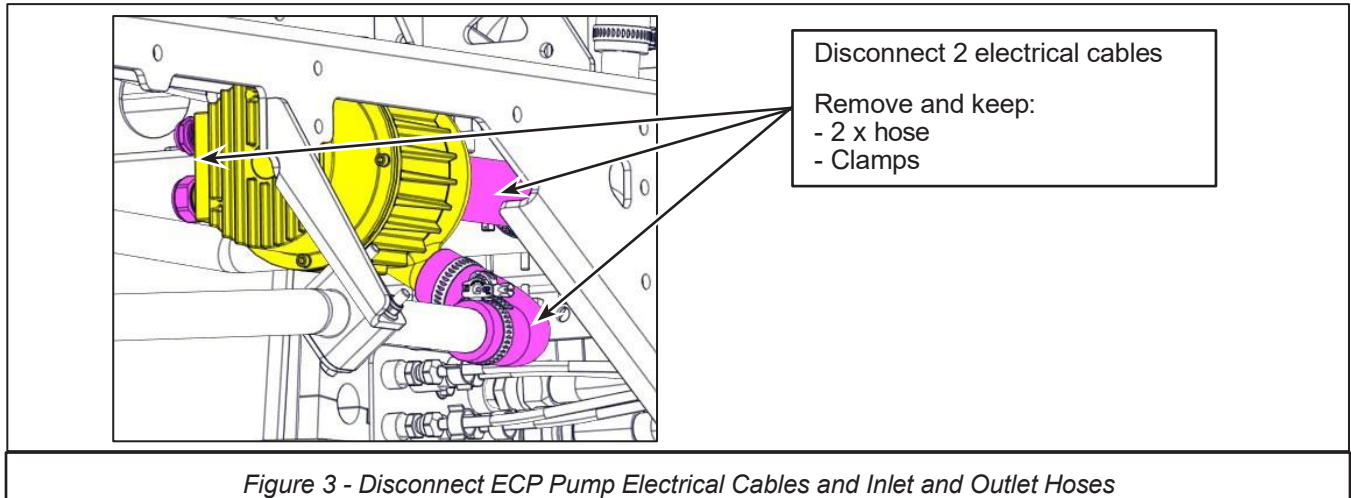
**LEVEL 2: ECP PUMP REPLACEMENT**

- 2.1. Drain the coolant from the ECP surge tank and collect in a clean container. Keep for later reuse.

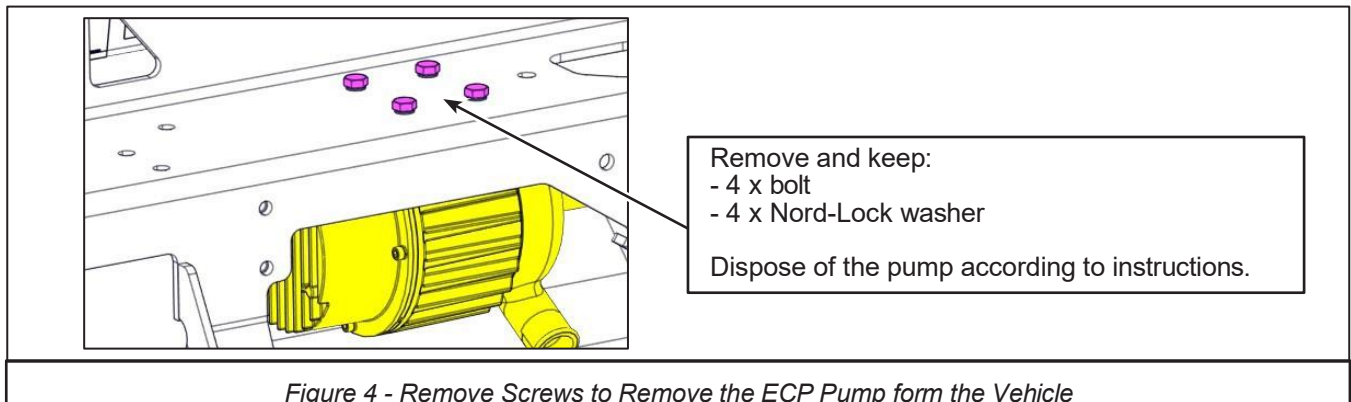
**NOTE**

Refer to your maintenance manual for more information on draining the ECP system.

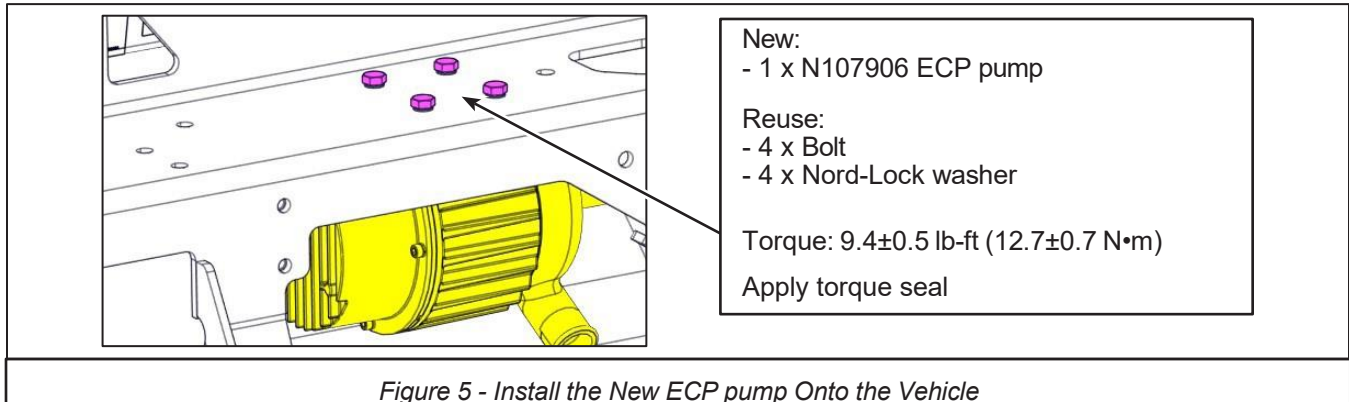
- 2.2. Disconnect the two electrical cables at the back of the ECP pump and disconnect the coolant inlet and outlet hoses from the ECP pump (Figure 2). Keep hoses and clamps for reinstallation.



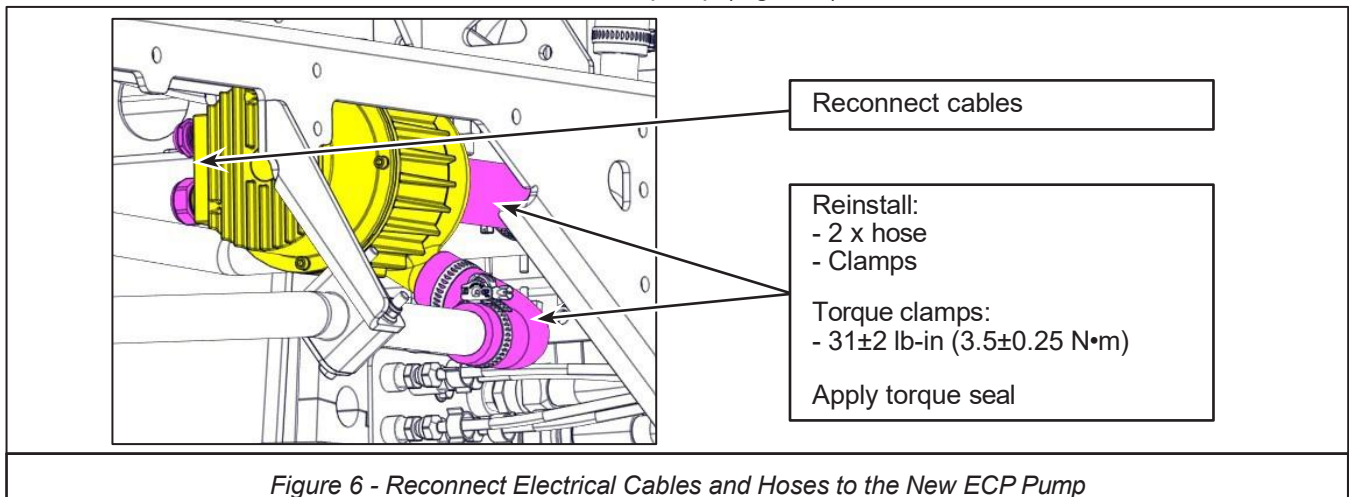
- 2.3. Unscrew the four bolts and remove the pump from the vehicle (Figure 3). Keep the four bolts and Nord-Lock washers for reinstallation. Dispose of the pump according to the instructions on the first page of this document.



- 2.4. Install the new N107906 ECP pump with the four removed bolts and Nord-Lock washers in the same location as the old one (figure 4). Torque bolts at  $9.4 \pm 0.5$  lb-ft ( $12.7 \pm 0.7$  N•m) and apply torque seal.



- 2.5. Connect the coolant inlet and outlet hoses to the ECP pump. Reuse the removed clamps (Figure 5).  
2.6. Connect the two cables at the back of the ECP pump (Figure 5).



- 2.7. Secure cables and hoses as necessary.  
2.8. Fill the ECP system with the collected coolant.



Refer to your maintenance manual for more information on filling the ECP system.

- 2.9. Close the radiator canopy.  
2.10. The procedure is complete. The vehicle can be returned to service. ❖