

Fuel Injector Update

Service Category Service

Section Function Group 237

Technician Skill Level A

Market North America

Applicability

VOLVO

Years	Models
2025	VNL

Introduction

Volvo Trucks has determined that certain VNL model vehicles built with the 13L engine could experience injector failure. Inconsistent coating of internal components could lead to premature injector wear. Follow the instructions below to replace the injectors with new ones.

It is not necessary to take the truck out of service immediately for this campaign, but it should be completed at the next convenient opportunity. This repair, however, must be performed before the truck is sold to any customer.

Production Change Information

This bulletin applies to vehicles built within the specified production changes below.

Brand	Engine	Emission Level	Starting Build Date	Ending Build Date
Volvo	13L	EM-USA24	08-Jan-2024	24-July-2024

Warranty Information

This repair is covered by an authorized Service Program. Reimbursement is obtained through the normal claim handling process.		
Claim Type (used only when uploading from the Dealer Bus. Sys.)		B
Main Labor Code	Description	Hours
2371-03-02-01	Injectors, Replacement (All)	7.5
Causal Part	24309486/24309487	
SCC Authorization Code	S4215	
Expiration Date	September 30, 2025	

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Parts Information

All Injectors are on mandatory return to TMAC.

Part Numbers	Part Names	Quantity
24782413	Injector Kit (pumping)	3
24782414	Injector Kit (non-pumping)	3
23811192	Ball stud	3
1677396	Hex nut	3
23000870	Pipe, left	3
23000879	Pipe, right	3
24429533	Connection pipe	1
24633960	Filter Kit, primary	1

Required Tools & Equipment

- N/A

Calibration Information

- N/A

Repair Procedure

1. Secure truck for service.
2. Follow Impact operation **2371-03-02-01 Injectors, Replacement (All)** to replace all six injectors.
3. Release the vehicle back into service.

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When replacing injectors in the All-New Volvo VNL there are several important things to be cautious of to ensure a proper repair.

Decommission/Commissioning:

- It's important to note that unhooking the battery is required for the injector replacement.
- When following the Impact operation for injector replacement click the links for instructions on decommissioning and commissioning the low voltage system.
 - **3100-09-01-06 Low Voltage System, Decommissioning**
 - **3100-09-01-05 Low Voltage System, Commissioning**

Cleanliness:

- It is important to keep your working environment as clean as possible.
- When injectors are not in their packaging, they should be installed in the protective sleeve (**998249**) to prevent contamination.
- The engine on the all new VNL sits further under the front cowl. With this design, there is a greater risk of dirt and debris falling into the engine when valve cover is removed.
- The Sealing Plug (**9998251**) should be installed in the cylinder head anytime an injector is removed.
- Install the sealing rings (**9998250**) in the head.
- Sleeve (**9998580**) should be installed while the cleaning the cylinder head for the injector cup install.
- Clean lint free rags must be used.
- Do not prefill the fuel filter.

Handling of the injectors:

- The injector tips are susceptible to damage if handled incorrectly.
- When handling injectors, they should be placed in a protective sleeve until they are being installed in the engine to prevent damage.
- Take precaution not to bump the injector tip when handling or installing the injector.

Fuel Filter:

- When replacing the fuel filter, do not prefill the fuel filter canister before installing.
- Torque the filter canister following the torque value on the bottom of the canister (Do not overtighten as damage can occur).