

Volvo Dynamic Steering Motor Replacement

Service Category Service

Section Function Group 642

Technician Skill Level A

Market North America

Applicability

VOLVO

Years	Models
2020	VN

Introduction

On certain Volvo VN model trucks, the Volvo Dynamic Steering (VDS) motor may provide an additional level of assist not expected by the operator. To meet Volvo stringent quality standards the replacement of the VDS motor will be required. The removed VDS motor will need to be shipped back to Volvo Reliability Engineering for evaluation.

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	D13	EOBD-U20	13-March-2020	26-March-2020

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
6422-03-02-06	Steering Electric Motor, Replacement	2.7
Causal Part	23362567	
SCC Authorization Code	S7626	
Expiration Date	December 31, 2022	

Volvo Dynamic Steering Motor Replacement

Parts Information

Special Order Information if applicable

Part Numbers	Part Names	Quantity
23362567	VDS Motor	1
20924949	Bolt (steering shaft pinch bolt)	1
984396	Nut (steering shaft pinch lock nut)	1

Required Tools & Equipment

- Premium Tech Tool (PTT) with latest version
- Bendix ACOM Pro (Steering angle calibration)

Calibration Information

- Be advised there are three major things that HAVE TO HAPPEN for successful calibration. *Front wheels straight ahead, VDS motor timing marks must be aligned, and the steering wheel/steering angle sensor must be at 0 degrees.* If these three things aren't correct the truck will not calibrate successfully.

Return Shipment Instructions

- Please pack the removed parts in the replacement part container. Print the yellow label on page 3 and attach to the top of the container. See shipping destination on page 3.

Repair Procedure

1. Secure Vehicle for service.
2. Follow IMPACT operation ID 6422-03-02-06 for VDS motor replacement.
3. Release vehicle for service.

Volvo Trucks Reliability Engineering
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