

Reman Turbo Compound Inspection

Service Category Service Department

Section Function Group 292

Technician Skill Level A

Market North America

Applicability

Volvo

Model Years	Models
2019-2021	VN

Introduction

Volvo trucks has determined that certain VN model trucks built with an D13 Turbo Compound engine that have had a reman TC unit installed could experience a failure with the reman TC unit. Reman TC units with the serial numbers listed in the chart below are suspected to have the incorrect bearing preload that could result in failure of the TC unit causing engine damage. On effected vehicles follow the instructions below to.

1. Inspect the serial number tag on the TC unit and compare to the list below.
2. If the serial number on the TC matches one listed below, replace the TC unit with a reman unit.

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 TC	EM-USA17	24-May-2018	6-January -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
1720-16-09-01	Campaign General (Serial tag inspection) x3	0.3
2921-03-02-01	Turbo Compound, Replacement (if applicable)	7.1
Causal Part	85021676	
SCC Authorization Code	S2962	
Expiration Date	December 31, 2024	

Serial Number List

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T00094	T00104	T00112	T00120	T00131	T00143
T00096	T00105	T00113	T00121	T00133	T00144
T00098	T00106	T00114	T00122	T00134	T00145
T00100	T00107	T00115	T00123	T00135	
T00101	T00108	T00116	T00126	T00139	
T00102	T00110	T00117	T00128	T00141	
T00103	T00111	T00118	T00129	T00142	

Parts Information

If replacing the TC unit, use the truck VIN to order needed part using Impact.

Part Numbers	Part Names	Quantity
85021676	Reman TC Unit	1

Calibration Information

N/A

Repair Procedure

1. Park the vehicle on level surface.
2. Apply the parking brake.
3. Place the gear level in neutral.
4. Install the wheel chocks.
5. Locate the serial number tag on the lower side of the TC unit.



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6. Compare the serial number on the TC unit to the listed serial numbers listed above.
 1. If the serial number on the TC unit does not match the listed ones above, not further action is needed.
 2. If the serial number on the TC unit is on the list above continue to **step 7**.
7. Use operation (**2921-03-02-01 Turbo compound, Replacement**) in Impact to replace the TC unit with a reman one.