

Hub Oil Level in Final Drive (NFD) Top Performance Axles on Decked Vehicles

TSB-35-034-FTL

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Last Revision Date: 2025-07-28

Engine or Vehicle Affected:

- ▶ New Cascadia
- ▶ 5th Generation Cascadia

Description of Revisions: This bulletin replaces the version dated December 28, 2021. The criteria for affected vehicles has been updated.

General Information

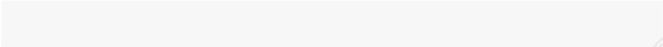
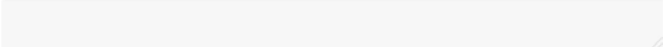
A decked New Cascadia or 5th Generation Cascadia vehicle, equipped with Detroit Diesel New Final Drive (NFD) Axle Top Performance axles, may have a hub and axle center section that is not adequately filled with oil when it arrives at the dealer. The decking process can cause up to two quarts of oil to be lost from each axle. The axles need to be filled once the vehicle arrives at the dealership. This additional procedure does not apply to vehicles whose Pre-Delivery Inspection (PDI) was performed at the dealership (dealer PDI'd), as the procedure is already included as part of the dealer PDI.

❗ Important: This Technical Service Bulletin (TSB) only applies to trucks that meet all of the following conditions:

1. The vehicle must have had the PDI done at the Factory (factory PDI'd).
2. The vehicle must have been decked during the transportation process from the plant to the dealership (the drive axle shafts were removed to deck the vehicle).
3. The vehicle must be equipped with Detroit New Final Drive (NFD) Top Performance Axles. If the vehicle has any other axle type, including Detroit New Final Drive Standard Performance Axles, this TSB does not apply.

If any one of these conditions is not valid for the vehicle in question, this TSB does not apply and no warranty will be paid to the claim.

Filling Procedure

1. ☐ Fill the hubs with approved oil; For instructions see Group 35: Rear Axle; Section: Detroit New Final Drive Model 4 Axles, Standard Performance Carrier; and Subject: in the *New Cascadia Workshop Manual*.

2. ☐ Fill the center section of the Detroit Final Drive axle; For instructions see Group 35: Rear Axle; Section: Axle Lubricant and Filter Change, and Cleaning the Magnetic Strainer; and Subject: in the *New Cascadia Workshop Manual*.


Warranty.

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See Table 1. for OWL VMRS codes and labor allowance information. Enter this TSB number in the *Service Bulletin #* field.

Table 1, OWL VMRS Codes and Labor Allowance

Primary Failed Part	Component Code	Cause Code	Correction Code	SRT Code	Description	Time: Hours
48-26072-000	F99-999-166	07	24	939-6106E	HUB AND AXLE OIL, CHECK AND FILL BOTH AXLES, NEW FINAL DRIVE TOP PERFORMANCE AXLES (DECKED TRUCKS)	0.6

Table 1, OWL VMRS Codes and Labor Allowance

NOTE:

Component Code / VMRS = F99-999-166 — HUB AND AXLE OIL - NEW FINAL DRIVE TOP PERFORMANCE AXLES (DECKED TRUCKS)

Note:

F99-999-166
F16
F26
F35
F36
F41
F42
INSPECT
REPAIR

CONTACT INFORMATION

For questions, please create a Service Technical Request using the DTTS Application on the DTNA Portal.

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