

24PBJ – Safety Recall – Meritor Front Steer Drive Axle Hub Lubrication

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Number

24PBJ / NHTSA#: 24V903 / Transport Canada #: 2024-729

Supplier

Meritor

Description

Safety Recall – Meritor Front Steer Drive Axle Hub Lubrication

Date

12/12/2024

What's New

Safety Recall

Parts and repair procedures are now available.

Certain Meritor 10-16K and 18-23K Front Steer Drive Axles may have insufficient wheel bearing grease. Insufficient lubrication in the wheel bearing may cause the wheel hub to overheat and become damaged, which may increase the risk of a crash or thermal event. The driver may hear noise, excessive steering play, and/or smoke from the front wheel.

Safety Recall start date: 07/08/2025

Introduction

Certain Meritor 10-16K and 18-23K Front Steer Drive Axles may have insufficient wheel bearing grease. Insufficient lubrication in the wheel bearing may cause the wheel hub to overheat and become damaged, which may increase

the risk of a crash or thermal event. The driver may hear noise, excessive steering play, and/or smoke from front wheel.

All affected trucks will be inspected, and replacement hub seals, adjusting nuts, lock nuts and lock washers will be installed. Replacement parts are required to be replaced even with no damage found.

Safety Recall start date: 07/08/2025

Situation

23 - (22 US / 1 Canada) Model Year 2024-2025 536/537/548 chassis built from 09/11/2023 through 08/28/2024, with Meritor 10-16K and 18-23K Front Steer Drive Axles.

Resolution

Safety Recall

Service all chassis affected that enter your dealership, even if the customer has no issue with the chassis.

1. Review the attached chassis list for your dealer code and schedule your customer(s) for service if their chassis is on the list.
2. In Service Management, select Campaign **24PBJ** to add it to the case. If the unit is released back into service without performing the repair, make sure to also release the Campaign in Service Management.
3. If you are not using Service Management to start repair orders, review SIR for "Complete" next to the **24PBJ** campaign code prior to performing this repair.
4. Follow the procedures to inspect and/or replace.

Federal Law

It is a violation of Federal law for a dealer to sell or lease new vehicles covered by this recall until the defect or noncompliance has been corrected.

Warranty

Starting on **07/08/2025**, there is no time or mileage limit for this recall.

Peterbilt will pay for parts at dealer net plus applicable mark-up and labor:

- **Ensure submission of Meritor OnTrac case per [Meritor Repair Procedure](#) has been completed. Failure to do so may result in warranty claim denial.**
- **4.0 hours to inspect and replace** hub seals, adjusting nuts, lock nuts and lock washers. Only on left-hand and right-hand steer axle hubs. Use Recommended Repair code **24PBJA**.
- **7.0 hours to inspect and repair** left-hand and right-hand steer axle hubs. Use Recommended Repair code

24PBJB.

- For supplemental repairs, file a long form claim and use code **24PBJ** in the Campaign Code field.
- File the claim within 7 days in accordance with warranty policy.

Take-Off Parts Disposition: Parts must be scrapped 30 days after claim is paid.

PRWS CLAIM CODING			
Campaign Code:	24PBJ	Campaign Type	Safety Recall
Claim Category:	Truck	Repair Type	Proactive
Customer Concern Code	226 – Parts Installed Incorrectly	Causal Code	17 - Insufficient Lubrication
Corrective Action Code	03 - Replace with New	Responsibility Code:	SUP-Supplier
Failure Location	018-001-003	Causal Part	482-0078-002
Supplier Code	17114GC	SRT Code	<p>B25-01A 4.0 hours Inspect and replace hub seals, adjusting nuts, lock nuts and lock washers only. On left-hand and right-hand steer axle hubs.</p> <p>B25-01B 7.0 hours Inspect and repair left-hand and right-hand steer axle hubs.</p>

Procedure

Please follow your dealership's safety procedures and precautions to ensure the vehicle can be safely repaired

and maintained.

1. Open a Meritor OnTrac Case per [Meritor Repair Procedure](#) prior to starting repairs.
2. Follow procedures in attached [Meritor Repair Procedure](#).

Parts

The following parts are available through PACCAR parts.

Each chassis will need 2 parts per axle (1 per wheel).

See the “**24PBJ Final Chassis List**” in the Links section for chassis specific parts.

Parts for chassis inspected and damage found:

Part Number	Part Description	Quantity
482-0078-001	HUB 285.75 MM BC W/ABS RING ASSY	2 per axle
482-0078-002	HUB ABS ISO LONG WHEEL STUDS ASSY	2 per axle
482-0068-006	HUB ASSY	2 per axle
732-0334	SEAL	2 per axle
732-0373	SEAL-HUB	2 per axle
736-0967	SPINDLE RING	2 per axle
233-0396	BEARING	2 per axle
233-0397	BEARING- CUP	2 per axle
233-0459	BRG.CONE	2 per axle
233-0462	BRG. CUP	2 per axle
233-0528	CONE- BEARING	2 per axle
233-0527	CUP- BEARING	2 per axle
688-0747	NUT WITH DOWEL WHEEL BEARING INNER	2 per axle
688-0748	NUT OUTER	2 per axle

	WHEEL BEARING	
927-0846	WASHER WHEEL BEARING LOCK	2 per axle
688-0697-002	NUT	2 per axle
688-0699	NUT, WHEEL BEAR	4 per axle
927-0769	WASHER-SHOCK ABSORBER	2 per axle

Parts for chassis inspected and no damage found:

Part Number	Part Description	Quantity
732-0334	SEAL	2 per axle
732-0373	SEAL-HUB	2 per axle
688-0747	NUT WITH DOWEL WHEEL BEARING INNER	2 per axle
688-0748	NUT OUTER WHEEL BEARING	2 per axle
927-0846	WASHER WHEEL BEARING LOCK	2 per axle
688-0697-002	NUT	2 per axle
688-0699	NUT, WHEEL BEAR	4 per axle
927-0769	WASHER-SHOCK ABSORBER	2 per axle

The following part must be sourced locally:

Part Number	Part Description	Quantity
Source locally	Any NLGI Grade #2 grease	1 tube
Source locally	Non-Chlorinated Brake Parts Cleaner	1 can

Links

[24PBJ PB Chassis List - Bulletin](#)

[24PBJ Meritor Repair Procedure](#)

[24PBJ PB Safety Recall Customer Letter-US](#)

[24PBJ PB Safety Recall Customer Letter-CA](#)

Revision History

07/08/2025: Parts and Repair Procedure are now available.