

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

Number

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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

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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

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### 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

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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

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

## Procedure

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**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

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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<br>285.75 MM<br>BC W/ABS<br>RING ASSY      | 2 per axle |
| 482-0078-002 | HUB ABS<br>ISO LONG<br>WHEEL<br>STUDS<br>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<br>RING                                | 2 per axle |
| 233-0396     | BEARING                                        | 2 per axle |
| 233-0397     | BEARING-<br>CUP                                | 2 per axle |
| 233-0459     | BRG.CONE                                       | 2 per axle |
| 233-0462     | BRG. CUP                                       | 2 per axle |
| 233-0528     | CONE-<br>BEARING                               | 2 per axle |
| 233-0527     | CUP-<br>BEARING                                | 2 per axle |
| 688-0747     | NUT WITH<br>DOWEL<br>WHEEL<br>BEARING<br>INNER | 2 per axle |
| 688-0748     | NUT<br>OUTER                                   | 2 per axle |

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

Parts for chassis inspected and no damage found:

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

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[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

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



Select the date.

## IMPORTANT SAFETY RECALL

This notice applies to your vehicle. Your VIN(s) can be found on the bottom or back of this page.

Subject: Safety Recall: 24PBJ – Meritor Front Steer Drive Axle Hub Lubrication  
NHTSA: 24V903  
EXPIRATION DATE: NONE

Dear Peterbilt Customer,

This notice is sent to you in accordance with the National Traffic and Motor Vehicle Safety Act.

Peterbilt Motors Company has decided a defect related to motor vehicle safety exists in Model Year 2024-2025, 536, 537, and 548 vehicles manufactured from 09/11/2023 through 08/28/2024 with Meritor 10-16K and 18-23K Front Steer Drive Axles. During axle assembly, insufficient wheel bearing lubrication may have been applied, which could cause the wheel hub to overheat and become damaged, and may increase the risk of a crash or thermal event. The driver may feel excessive steering play, hear noise, and/or see smoke from the front wheel.

|                                         |                                                                                                                                                                                                                                         |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><i>What is the problem?</i></b>      | Meritor 10-16K and 18-23K Front Steer Drive Axles may have insufficient wheel bearing grease, which could cause the wheel hubs to overheat resulting in damage to the wheel hubs and may increase the risk of a crash or thermal event. |
| <b><i>What will your dealer do?</i></b> | Your Peterbilt dealer will inspect both front steer drive axle wheel hubs and, if damage is found, new parts will be installed.                                                                                                         |
| <b><i>What should you do?</i></b>       | Contact your dealer immediately to schedule an appointment.                                                                                                                                                                             |

Peterbilt has initiated this recall to remedy the issue at no charge to you. Please contact your Peterbilt dealer to schedule an appointment for these services. To find your Peterbilt dealer, please visit the "Find a Dealer" link at [www.Peterbilt.com](http://www.Peterbilt.com) or scan the QR code. When contacting your Peterbilt dealer, reference the Safety Recall number, NHTSA Recall Number, and VIN(s) listed in this letter. This repair may take up to **7 hours** of labor depending on dealer scheduling.

If you had this repair performed before receiving this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy for the problem associated with this recall. Receipts for parts and/or labor are required for consideration of reimbursement. Contact your local Peterbilt dealership for details.

If you require further information about this recall or experience any difficulty in making arrangements for this repair, please contact the Peterbilt Customer Experience Department at [PB.Tech.Pubs.Dept@paccar.com](mailto:PB.Tech.Pubs.Dept@paccar.com).

If you conclude that Peterbilt has not enabled you to remedy this defect in a reasonable time and without charge, you may submit a complaint to: Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, S.E., Washington, DC 20590, or call the toll free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days. If you no longer own this vehicle, we would appreciate your advising us of the new owner. Please send all known ownership and address changes to [PBDiv.Warranty.Docs@paccar.com](mailto:PBDiv.Warranty.Docs@paccar.com).

We apologize for any inconvenience this procedure may cause and thank you for your participation in helping Peterbilt provide the highest levels of customer satisfaction and service expertise. We value your business and appreciate your ongoing loyalty to Peterbilt and its dealer network. Industry-leading quality, performance and reliability are hallmarks of Peterbilt products, and we thank you for making Peterbilt your truck of choice.

Scan this QR code to open the  
Peterbilt Dealer Locator.





Select the date.

## IMPORTANT SAFETY RECALL

This notice applies to your vehicle. Your VIN(s) can be found on the bottom or back of this page.

Subject: Safety Recall: 24PBJ – Meritor Front Steer Drive Axle Hub Lubrication  
Transport Canada Recall: 2024-729  
EXPIRATION DATE: NONE

Dear Peterbilt Customer,

This notice is sent to you in accordance with the requirements of the Motor Vehicle Safety Act. This is to inform you that your vehicle may contain a defect that could affect the safety of a person.

Peterbilt Motors Company has decided a defect related to motor vehicle safety exists in Model Year 2024-2025, 536, 537, and 548 vehicles manufactured from 09/11/2023 through 08/28/2024 with Meritor 10-16K and 18-23K Front Steer Drive Axles. During axle assembly, insufficient wheel bearing lubrication may have been applied, which could cause the wheel hub to overheat and become damaged, and may increase the risk of a crash or thermal event. The driver may feel excessive steering play, hear noise, and/or see smoke from the front wheel.

|                                  |                                                                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>What is the problem?</b>      | Meritor 10-16K and 18-23K Front Steer Drive Axles may have insufficient wheel bearing grease, which could cause the wheel hubs to overheat resulting in damage to the wheel hubs and may increase the risk of a crash or thermal event. |
| <b>What will your dealer do?</b> | Your Peterbilt dealer will inspect both front steer drive axle wheel hubs and, if damage is found, new parts will be installed.                                                                                                         |
| <b>What should you do?</b>       | Contact your dealer immediately to schedule an appointment.                                                                                                                                                                             |

Peterbilt Motors Company has initiated this recall to remedy the issue with no charge to you. Please contact your Peterbilt dealer to schedule an appointment for these services. To find your Peterbilt dealer, please visit the "Find a Dealer" link at [www.Peterbilt.com](http://www.Peterbilt.com) or scan the QR code. When contacting your Peterbilt dealer, reference the Safety Recall number, Transport Canada Recall Number, and VIN(s) listed in this letter. This repair may take up to **7 hours** of labor depending on dealer scheduling.

If you had this repair performed before receiving this letter, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy for the problem associated with this recall. Receipts for parts and/or labor are required for consideration of reimbursement. Contact your local Peterbilt dealership for details.

If you require further information about this recall or experience any difficulty in making arrangements for this repair, please contact the Peterbilt Customer Experience Department at [PB.Tech.Pubs.Dept@paccar.com](mailto:PB.Tech.Pubs.Dept@paccar.com).

For additional information about the recall, you can contact Transport Canada at 1-800-333-0510.

Federal regulation requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days. If you no longer own this vehicle, we would appreciate your advising us of the new owner. Please send all known ownership and address changes to [PBDiv.Warranty.Docs@paccar.com](mailto:PBDiv.Warranty.Docs@paccar.com).

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