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10/23/2013

Andy Jones
Daimler Truck North America
4747 N. Channel Ave.
Portland, Oregon 97217

NOTICE: Defect Information Report relating to Wheel Ends for Drive Axle Housings with ConMet PreSet Plus Hubs, built on consignment for Daimler Truck North America (DTNA), with missing locking snap rings.

Meritor File: C14-AA

NHTSA File: Unassigned

Dear Sir / Madam:

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

Meritor, Inc. ("Meritor") has decided that a defect which relates to motor vehicle safety exists in Meritor assembled wheel ends equipped with ConMet PreSet Plus Hubs manufactured by Meritor between August 2012 and December 2012.

Description of Defect

The part supplier, ConMet, changed its process from shipping the locking snap rings mounted on the hub to placing the locking snap rings in a plastic bag. The change in process was not communicated to Meritor and in some cases caused the locking snap rings not to be installed. The absence of the locking snap ring can cause accelerated spindle wear, premature degradation of the wheel bearing components, premature wheel oil seal leaks, and wheel separation.

Wheel ends potentially missing locking snap rings were produced between August 2012 and December 2012 and shipped to DTNA during the same time period.

NHTSA Notification & Safety Recall Obligations

According to our records, affected units were shipped to your company. If those units were installed as original equipment on vehicles manufactured at your facility, and you agree that they contain a safety defect, your company must notify the National Highway Traffic Safety Administration (NHTSA) within 5 business days and conduct a safety recall of those vehicles. It is critical that the NHTSA guidelines are followed in a timely manner and that your customers are notified to conduct the remedy described below.



IMPORTANT: Some of the affected vehicles may still be in your inventory. Federal law requires you to complete the recall service on these vehicles before delivery. Meritor will provide replacement or repair for these units prior to delivery to your customers.

You must also submit your draft version of your dealer and customer notices to NHTSA for approval at least 5 days prior to mailing such notification to dealers and owners of potentially affected wheel ends. You may contact NHTSA with questions by sending an email to rmd.odi@dot.gov.

IMPORTANT: Dealer notification by Certified Mail is required by Federal law for all safety recalls. Responsible dealership personnel should be instructed to sign for this Certified Mail without hesitation as it contains urgent safety recall information. Notifications to owners of potentially affected vehicles are by first class mail. Please be advised that the outside of each envelope containing an owner notification letter must be marked "SAFETY RECALL NOTICE" all in capital letters, either in boldface or underlined, and in type that is larger than that used in the address section. A sample of the envelope must be submitted to NHTSA for approval at least 5 business days before mailing to owners.

Recommended Action

Vehicles that potentially contain wheel ends with suspect missing locking snap rings should be immediately removed from service and inspected as soon as feasible by a vehicle manufacturers' authorized repair facility using Meritor TP-1408 for inspecting for missing Locking Snap Ring (copy enclosed). If the vehicle is missing the locking snap ring, the dealer will install it and will inspect and replace any other affected components. This program will be managed by Meritor, and will be at no expense to vehicle owners.

Identification of Affected Parts

Serial numbers of axles that may contain suspect wheel ends and corresponding chassis number have been included with this notification.

Vehicle manufacturers are requested to provide VIN information and Vehicle In-Service Dates for traceability and reporting purposes. The requested information is to be forwarded to:

Lee French
Lee.French@Meritor.com
Technical Manager OnTrac Customer Service Center – Troy, MI
Ph 248.273.4647 Fax 248.435.1393



Availability of Replacement Parts and Service Instructions

Replacement parts are currently available and if needed will be provided by Meritor at no cost. Vehicle manufacturers' (OEM) or repair facilities should obtain replacement parts by contacting Meritor's OnTrac Performance Plus Call Center using any of the below methods:

Phone: 1-866-668-7221
Fax: 248-435-5580
Email: ontrac@Meritor.com.

Parts, Labor and Handling Allowance

The following are the details of allowances relating to parts, labor and handling available to vehicle manufacturers' (OEM):

- Part and labor cost will be reimbursed through standard warranty.
- Meritor will reimburse at the OEM SRT for checking the air chamber and replacement if necessary.

Removed Material Disposition

Repair facilities should dispose of damaged gaskets. Any damaged wheel end components should be returned to Meritor Central Material Return Center, 7975 Dixie Hwy, Florence, Kentucky 41042. The OnTrac customer service center (866-668-7221) can arrange for return shipping of the wheel ends upon request.

Claims for Credit

Meritor will accept warranty claims for installing missing locking snap ring and replacement of any associated component damage associated with this notice directly from the vehicle manufacturers (OEM). To obtain credit for the claim; the repair facility should file with their OEM and the OEM will reimburse the repair facility for the work. Meritor will reimburse the OEM through its standard warranty process.

In order to receive proper credit, such warranty claims must contain the following information at the time of submission:

- Reference to Meritor Campaign ID Number: C14-AA
- Reference to NHTSA Campaign ID Number : XXXXX
- Reference to the vehicle manufacturer's campaign number (optional)
- 17-digit vehicle identification number (VIN)
- Vehicle owner's name, address, and telephone number
- Vehicle in-service date
- Vehicle repair date



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- Vehicle mileage at the time of repair
- Dealer work order number
- Repairing facility name, address, and telephone number
- Total labor hours required performing the work, not to exceed agreed formula
- Repair facilities hourly rate
- Tracking number for shipment of returned material

Failure to provide complete information will delay processing of the warranty claim.

Communication

If you conclude that Meritor has not enabled you to remedy this condition in a reasonable time, you may submit a complaint to the:

Administrator
National Highway Traffic Safety Administration
1200 New Jersey, S.E.
Washington, D.C. 20590

- or -

Call the toll free Vehicle Safety Hotline: 1-888-327-4236; (TTY: 800-424-9153)
or go to <http://www.safercar.gov>

We regret any inconvenience that this situation may cause. Meritor wants to assure you that we are concerned for customer safety and your continued satisfaction with our products.

Sincerely,

Charles Smith
Director of Quality, North America
Meritor, Inc.

Enclosures:
Axle Serial number and/or VIN List
Meritor TP-1408

VIN List for C14-AA

10/12/2013

DTNA	1FUJGLDR8DLBS2616
DTNA	1FUJGLDRXDLBS2617
DTNA	1FUJGLDR1DLBS2618
DTNA	1FUJGLDR3DLBS2619
DTNA	1FUJGLDRXDLBS2620
DTNA	1FUJGLDR1DLBS2621
DTNA	1FUJGLDR3DLBS2622
DTNA	1FUJGLDR5DLBS2623
DTNA	1FUJGLDR7DLBS2624
DTNA	1FUJGLDRXDLBS3637
DTNA	1FUJGLDR9DLBS2625
DTNA	1FUJGLDR0DLBS2626
DTNA	1FUJGLDR1DLBS2635
DTNA	1FUJGLDR3DLBS2636
DTNA	1FUJGLDR5DLBS2637
DTNA	1FUJGLDR7DLBS2638
DTNA	1FUJGLDR9DLBS2639
DTNA	1FUJGLDR5DLBS2640
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DTNA	1FUJGLDR8DLBS2681
DTNA	1FUJGLDRXDLBS2682
DTNA	1FUJGLDR1DLBS2683
DTNA	1FUJGLDR4DLBZ4574
DTNA	1FUJGLDR3DLBS2684
DTNA	1FUJGLDR5DLBS2685
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DTNA	1FUJGLDR2DLBS2689
DTNA	1FUJGLDR9DLBS2690
DTNA	1FUJGLDR0DLBS2691
DTNA	1FUJGLDR6DLBZ4575
DTNA	1FUJGLDR5DLFF8965
DTNA	1FUJGLDR2DLBS2692
DTNA	1FUJGLDR4DLBS2693
DTNA	1FUJGLDR2DLBS3311
DTNA	1FUJGLDR7DLBZ4567
DTNA	1FUJGLDR0DLBS3386
DTNA	1FUJGLDR7DLBS3420
DTNA	1FUJGLDR4DLBS3438
DTNA	1FUJGLDR7DLBS3448

DTNA	1FUJGLDR2DLBS3468
DTNA	1FUJGLDR7DLBS3479
DTNA	1FUJGLDR9DLBS3550
DTNA	1FUJGLDR0DLBS3551
DTNA	1FUJGLDR5DLBS3559
DTNA	1FUJGLDR3DLBS3561
DTNA	1FUJGLDR6DLBS3635
DTNA	1FUJGBDV2DLBY6772
DTNA	1FUJGLD58DLBY6894
DTNA	1FUJGLDR9DLFF8970
DTNA	1FUJGLDR6DLFF9008
DTNA	1FUJGLDR0DLFF9036
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DTNA	1FUJGLDR8DLFF9057
DTNA	1FUJGLDRXDLFF9058
DTNA	1FUJGLDR1DLFF9059
DTNA	1FUJGLDR8DLFF9060
DTNA	1FUJGLDR1DLBR6170
DTNA	1FUJGEDV9DLFG4793
DTNA	1FUJGEDV1DLFG8241
DTNA	1FUJGLDR6DLBR6178
DTNA	1FUJGEDV4DLFH9816



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Technical Bulletin

ConMet PreSet Plus™ Hub Lock Ring Inspection and Repair Procedures

Inspection Program C14AA

Hazard Alert Messages

Read and observe all Warning and Caution hazard alert messages in this publication. They provide information that can help prevent serious personal injury, damage to components, or both.

⚠ WARNING

To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving. Support the vehicle with safety stands. Do not work under a vehicle supported only by jacks. Jacks can slip and fall over. Serious personal injury and damage to components can result.

Use a brass or synthetic mallet for assembly and disassembly procedures. Do not hit steel parts with a steel hammer. Pieces of a part can break off. Serious personal injury and damage to components can result.

How to Obtain Additional Maintenance, Service and Product Information

The hardware involved in this procedure is manufactured by a third party. Refer to the OEM's published repair guidelines for complete instructions.

Overview

This publication provides the procedure required to check for the presence of the ConMet PreSet Plus™ hub lock ring at each drive axle wheel-end assembly. This inspection only applies to specific axles in a very limited number of vehicles. There is no need to perform this inspection unless specifically contacted by the OEM or Meritor. Figure 1.

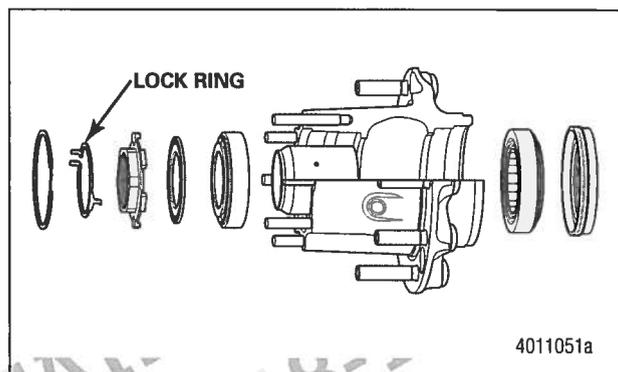


Figure 1

Required Parts

Parts may be obtained through your regular OEM parts ordering system.

Inspection Parts

- Four axle shaft gaskets, Meritor part number 2208E1123 (or similar as needed)

Repair Parts — Lock ring missing only, spindle nut torque is correct

There are various axle models included in this process. Use the OEM's standard repair part identification system to identify the correct part numbers for the model being worked on.

- Four axle shaft gaskets, Meritor part number 2208E1123 (or similar as needed)
- Up to four lock rings, ConMet part number 10026147

Repair Parts — One or more missing lock rings in combination with a loose spindle nut

- Four axle shaft gaskets, Meritor part number 2208E1123 (or similar as needed)
- Up to four lock rings, ConMet part number 10026147
- Up to four hub assemblies, ConMet part number CM10036776

Inspection

1. Wear safe eye protection. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.
2. Remove the axle shaft fasteners from all drive axle wheel ends.
3. Remove the axle shaft from each drive axle wheel end. Some lubricant will drain from the hub upon axle shaft removal. Use a small drain bucket to catch the lubricant.
4. Check for the presence of the lock ring on all drive wheel axle wheel ends. The lock ring is a bright red color. Refer to Figure 2 for the location of the lock ring.
 - **If the lock ring was present on all drive axle wheel ends:** Continue to the Reassembly procedure.
 - **If one or more lock rings were missing from the drive axle wheel ends:** Continue to the Missing Lock Ring Procedure.

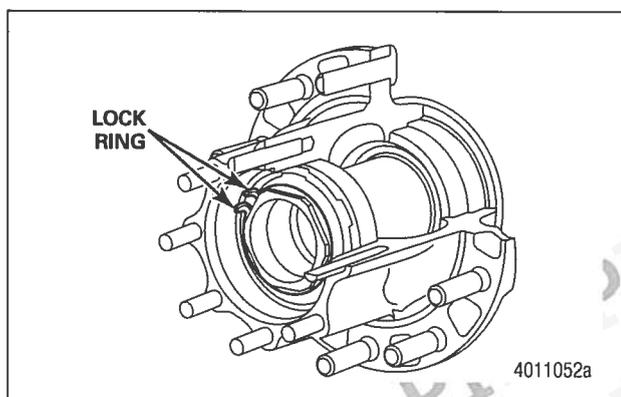


Figure 2

Reassembly

1. Ensure the hub and axle shaft mating surfaces are clean and dry.
2. Place a new hub cap gasket on the hub studs.
3. Slide the axle shaft into each wheel end. Some manipulation and rotation may be necessary in order to align the splines for complete seating.
4. Place the tapered dowels onto the hub studs, if used.

5. Place a washer on each hub stud and hand thread the nuts well onto each stud.
6. Tighten the axle shaft nuts to the OEM recommended specification.
7. Check and top off the axle oil level.

Missing Lock Ring Procedure

Perform this procedure on any wheel end that is found to be missing the lock ring.

1. Check that the spindle nut torque is 500 lb-ft (677 N·m) on each wheel end missing a lock ring.
 - **If the spindle nut torque is correct:** Install a lock ring in the correct orientation per the OEM's or ConMet's assembly guidelines.
 - **If the spindle nut torque is not correct:** Replace the ConMet PreSet Plus™ hub assembly on the wheel end.
2. Continue to the Reassembly procedure in this publication.



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