

01/11/2011

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Great Dane Trailers  
P.O. Box 67  
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NOTICE: Defect Information Notice – concerning Spindle Nuts and Stake Washer on certain ArvinMeritor TL Series trailer axles.

ArvinMeritor File: C11AB

NHTSA File: 10E-058

Dear ArvinMeritor Customer:

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

ArvinMeritor has decided that a defect which relates to motor vehicle safety exists in certain ArvinMeritor Trailer axle's wheel end systems. The affected motor vehicle equipment is ArvinMeritor TL Series trailer axles assembled at ArvinMeritor's Frankfort, Kentucky facility. The axles were shipped between April 2005 and July 2008.

**Description of Defect**

ArvinMeritor has received field reports of low torque on the spindle nut on ArvinMeritor TL Series installed in van trailers where the stake washer for the nut is staked in a single location as opposed to multiple locations. Low and or no torque on the nut can result in excessive end-play in the wheel-end system and could progress to a wheel separation which could result in a crash.

**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. ArvinMeritor 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 studs. You may contact NHTSA with questions by sending an email to [rmd.odi@dot.gov](mailto: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 uppercase 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**

ArvinMeritor recommends that owners of trailers originally equipped ArvinMeritor TL axles be contacted immediately and asked to inspect the wheel ends per Technical Bulletins TP0860. This bulletin will update the staking to three position and increase the nut torque from ~550lb/ft to 850lb/ft.

Affected trailers should be inspected as soon as possible by an authorized repair facility. This program will be managed by ArvinMeritor, and will be at no expense to vehicle owners.

### **Identification of Affected Parts**

The suspect population information containing the axle serial numbers are attached with this notification. ArvinMeritor is continuing to research shipment records. You may receive a separate notice for additional axle serial numbers from ArvinMeritor.

Vehicle manufacturers are requested to provide VIN information and In-Service Dates for the corresponding axle serial numbers for tracking field actions. The requested information is to be forwarded to:

Jeremy Tertzakian  
[Jeremy.Tertzakian@ArvinMeritor.com](mailto:Jeremy.Tertzakian@ArvinMeritor.com)  
OnTrac Technical Manager – Troy, MI  
Ph 248.273.4641 Fax 248-435-5580

### **Availability of Replacement Parts and Service Instructions**

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

**Contact:** OnTrac Performance Plus Call Center, follow the menu system for the appropriate language and select option number 5

**Phone:** 1-866-668-7221

**Fax:** 248-435-5580

**Email:** [ontrac@ArvinMeritor.com](mailto:ontrac@ArvinMeritor.com)

### **Parts, Labor and Handling Allowance**

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

- ArvinMeritor will reimburse at the repair facility standard warranty repair rate of up to 1.5 hours for vehicle inspection and will reimburse up to an additional 1 hours per wheel-end if hub replacement is required.

### **Claims for Credit**

ArvinMeritor will accept warranty claims for inspection associated with this notice directly from the vehicle manufacturers (OEM). In order to receive proper credit, such warranty claims must contain the following information at the time of submission:

- Reference to ArvinMeritor Campaign ID Number : C11AB
- Reference to NHTSA Campaign ID Number : 10E-058
- Reference to the vehicle manufacturer's campaign number (optional)
- 17-digit vehicle identification number (VIN)
- Axle model and serial number



- Vehicle owner's name, address, and telephone number
- Vehicle in-service date
- Vehicle inspection date
- Vehicle mileage at the time of repair (if available)
- Repair facility work order number
- Repairing facility name, address, and telephone number
- Total labor hours required performing the work, not to exceed agreed amount
- Repair facilities hourly rate
- 

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

Questions relating to warranty claims, replacement parts delivery and parts disposition can be addressed to the ArvinMeritor OnTrac Performance Plus Call Center using any of the below methods.

**Contact:** OnTrac Performance Plus Call Center, follow the menu system for the appropriate language and select option number 5

**Phone:** 1-866-668-7221

**Fax:** 248-435-5580

**Email:** ontrac@ArvinMeritor.com

### Communication

If you conclude that ArvinMeritor 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. ArvinMeritor wants to assure you that we are concerned for customer safety and your continued satisfaction with our products.

Sincerely,

ArvinMeritor

Jeremy Tertzakian  
OnTrac Technical Manager

Attachments:



**MERITOR®**  
an **ArvinMeritor** brand

## Technical Bulletin

### Procedures and Intervals to Inspect the Wheel Ends and Tighten the Spindle Nuts on Meritor TL Series Trailer Axles with Unitized Wheel Ends

#### 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.

##### ASBESTOS AND NON-ASBESTOS FIBERS WARNING

Some brake linings contain asbestos fibers, a cancer and lung disease hazard. Some brake linings contain non-asbestos fibers, whose long-term effects to health are unknown. You must use caution when you handle both asbestos and non-asbestos materials.

##### CAUTION

A unitized hub is permanently sealed and lubricated as an assembly. Do not attempt to remove the hub bearings, seals or lubricant. You cannot service or reinstall these components back into a unitized hub. Damage to components can result. Removal of the long-life bearings, seals or lubricants from the Meritor TL model unitized hub will void the warranty.

#### How to Obtain Additional Maintenance and Warranty Information for TL Series Trailer Axles with Unitized Wheel Ends

Refer to Maintenance Manual MM-0420, Trailer Axles with Unitized Wheel Ends; and Maintenance Manual 14, Trailer Axles. For warranty information, refer to publication SP-95155, Commercial Vehicle Systems Warranty. To access these publications, visit Literature on Demand at [arvinmeritor.com](http://arvinmeritor.com).

#### How to Obtain Parts

Call ArvinMeritor's Commercial Vehicle Aftermarket at 888-725-9355. To obtain Snap-On® tool, part number TTFM932, contact [www.snapon.com](http://www.snapon.com).

#### Basic Wheel-End Inspection Intervals

Refer to Inspection Intervals below. Additionally, for heavy service applications as identified in publication SP-95155, Commercial Vehicle Systems Warranty, inspect the trailer axle wheel ends when you replace the tires; reline the brakes; and at least once every two months, or at 30,000 miles (48 270 km) distance traveled, whichever comes first.

#### Inspection and Maintenance Intervals by Service Applications

The following is intended as a general guideline for scheduled wheel-end inspections. Note that the recommended frequency of these inspections depends on such service factors as the environment, mileage, speed and loading.

## Inspection Intervals

| Application     | Description                                                                                                                                                                                                                                      | Intervals                                                                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Linehaul        | High mileage, over 60,000 miles per year.<br>On-road service; operated on concrete, asphalt, maintained gravel, crushed rock, hard/packed dirt, or other similar surfaces; moderate grades.<br>More than 30 miles between stopping and starting. | Every 100,000 miles (160 000 km) or 12 months, whichever comes first.<br>Some Examples: Haulers (auto, bulk, grain, etc.), general freight, tanker.                                      |
| General Service | Lower mileage, usually less than 60,000 miles per year.<br>Generally on-road service, with usually less than 10% off-road.<br>Usually 3 miles between stopping and starting.                                                                     | Every 100,000 miles (160 000 km) or 12 months, whichever comes first.<br>Some Examples: Intermodel chassis service, auto hauler, flatbed.                                                |
| Heavy Service   | Moderate mileage, usually less than 60,000 miles per year.<br>On- and off-road service, with usually 10% or more off-road.<br>Moderate to frequent stops and starts, usually up to 10 stops per mile.                                            | At tire replacement.<br>At brake reline.<br>Every 30,000 miles (48 270 km) or 2 months, whichever comes first.<br>Some Examples: Flatbed trailer hauler, log hauling, equipment hauling. |

## Scheduled Maintenance

Inspect the wheel end for smooth rotation, movement and seal leaks at each brake reline or regularly scheduled preventive maintenance.

## ABS Warning Signal

Inspect the wheel end for smooth rotation, movement and bearing end play if a driver reports that an ABS light has been coming on and ABS diagnostics indicates excessive sensor gap.

## Basic Hub Inspection

Perform the following procedure for **each** wheel end on the trailer.

1. Wear safe eye protection.
2. Park the trailer on a level surface. Use a jack to raise the trailer until all of the trailer tires are off the ground. Place safety stands under the trailer frame or axles. Do not use a jack to support the trailer.
3. Rotate the wheel assembly to check for signs of unusual resistance or roughness from the bearing. Listen for a low-pitched grinding sound as you rotate the assembly. Use care to determine whether sounds heard are coming from the bearing and not from the brake components or dust cover.
  - **If unusual resistance or noise is detected:** Perform the Detailed Hub Inspection procedure contained in this bulletin.

4. Grasp the tire and wheel-end assembly at the 12 and six o'clock positions. Check for vertical and horizontal movement. With your hands, apply approximately 50 lb (23 kg) of force to the assembly. You should not feel or see any looseness or movement. Figure 1.

- **If you feel or see more than 0.04-inch (1 mm) of movement at the tire circumference:** Proceed to the Quick Clamp Load procedure, which avoids removing the wheel drum assembly; or the Detailed Hub Inspection procedure.
- **If no movement is detected:** Proceed to the Quick Clamp Load and Inspection procedure.

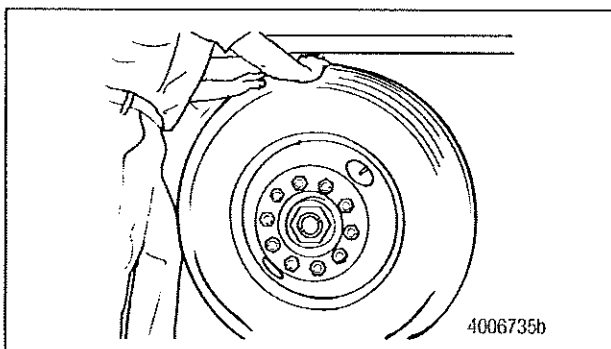


Figure 1

## Quick Clamp Load and Inspection Procedure

1. Remove the hubcap.
2. Use a screwdriver to release the stakes from the stake washer flange. Figure 2.

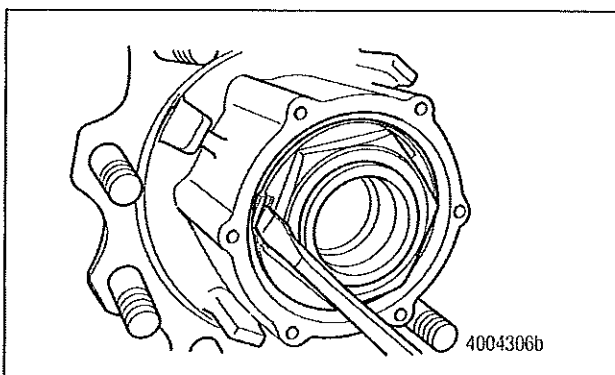


Figure 2

### ⚠ WARNING

You must rotate the hub **COUNTERCLOCKWISE** while you tighten the spindle nut to the specified torque. If you do not rotate the hub during the tightening procedure, the spindle nut can loosen, and the bearing may not seat correctly, which can cause the wheel to separate from the vehicle during operation. Serious personal injury and damage to components can result.

**NOTE:** Disregard the torque values embossed into the outer face of the spindle nut. Tighten the nut to the values specified in Step 3 below.

3. Tighten the spindle end nut to **810-850 lb-ft (1100-1150 N·m)** while rotating the wheel and hub **COUNTERCLOCKWISE**. Do not back off the nut after tightening. Re-clamp and mark the spindle nut position relative to the spindle. For future service, use the marks to show if the nut has rotated. ①
4. Rotate the wheel assembly to check for signs of unusual resistance or roughness from the bearing. Listen for a low-pitched grinding sound as you rotate the assembly. Use care to determine whether sounds heard are coming from the bearing and not from the brake components or dust cover.
  - **If unusual resistance or noise is detected:** Perform the Detailed Hub Inspection procedure contained in this bulletin.
5. Grasp the tire and wheel-end assembly at the 12 and six o'clock positions. Check for vertical and horizontal movement. With your hands, apply approximately 50 lb (23 kg) of force to the assembly. You should not feel or see any looseness or movement. Figure 1.
  - **If you feel or see more than 0.04-inch (1 mm) of movement at the tire circumference:** Perform the procedure in Thread Inspection to verify there is not a problem with the threads.

**NOTE:** You must stake the stake washer to the spindle nut in **three** positions.

6. Use a hammer and staking tool (part number AM21225831) to stake the stake washer to the spindle nut in **three** positions. Bend the washer to the stake profile as shown. Figure 3 and Figure 4.

- **If the first stake does not align with the slot on the flange nut:** Stake a previously unused section of the retaining washer outer flange into two or three slots on the flange nut face. **NOTE:** Stake three slots if possible.

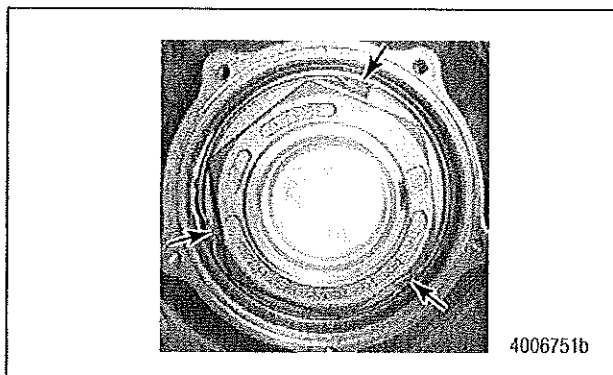


Figure 3

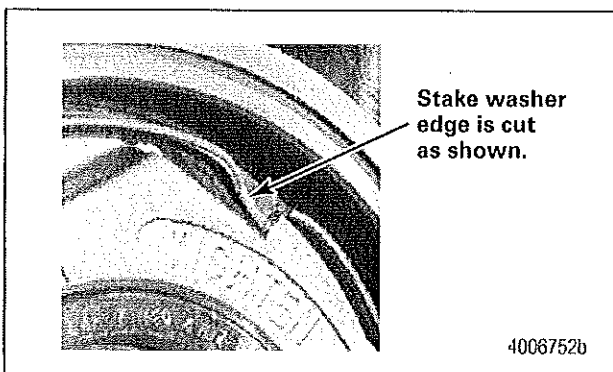


Figure 4

7. Install the hubcap with a new gasket (part number AM2208P1160). Tighten the hubcap capscrews in a crisscross pattern to 10-15 lb-ft (13-20 N·m). ①

## Detailed Hub Inspection

1. Follow the wheel manufacturer's instructions to remove the tire, wheel assembly and brake drum. Figure 5.

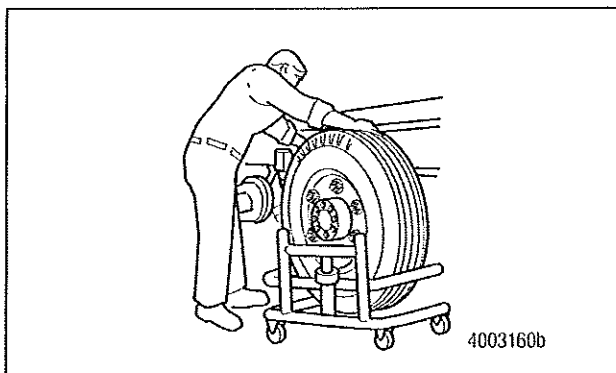


Figure 5

2. If necessary, remove the hubcap.
  - **If this is not the first inspection:** Check the mark on the spindle nut and spindle to see if the nut has moved.
  - **If the mark has moved, then the nut was not previously tightened enough:** Clean the threads.
3. Attach the magnetic base of the dial indicator to the spindle. Touch the dial indicator stem to the hubcap mounting surface. Figure 6.

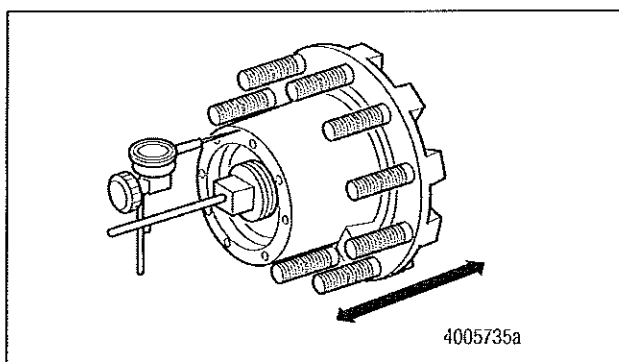


Figure 6

4. Set the dial indicator to ZERO. Do not rotate the wheel end. Place your hands at the nine and three o'clock positions.
5. Push the unitized wheel end straight IN. Note the reading. Then pull the wheel end straight OUT. Note the reading. If the total movement of the dial indicator is less than 0.003-inch (0.08 mm), perform the following steps.

**NOTE:** Disregard the torque values embossed into the outer face of the spindle nut. Tighten the nut to the values specified in Step A below.

- A. Tighten the spindle end nut to 810-850 lb-ft (1100-1150 N•m) while rotating the wheel and hub COUNTERCLOCKWISE. ①

**NOTE:** You must stake the stake washer to the spindle nut in **three** positions.

- B. Use a hammer and staking tool (part number AM21225831) to stake the stake washer to the spindle nut in **three** positions.
- C. Mark the nut and spindle to record the position of the nut.
- D. Reassemble the hubcap using a new gasket (part number AM2208P1160).
- E. Tighten the hubcap screws in a crisscross pattern to 10-15 lb-ft (13-20 N•m). Record the end play. If total movement is 0.003-inch (0.08 mm) or greater, proceed to Thread Inspection. ①

## Thread Inspection

Perform the following procedure for each wheel end on the trailer with end play at the hub greater than 0.003-inch (0.08 mm) or wheel movement greater than 0.04-inch (1 mm).

1. Use a screwdriver to release the stakes from the stake washer flange. Figure 7.

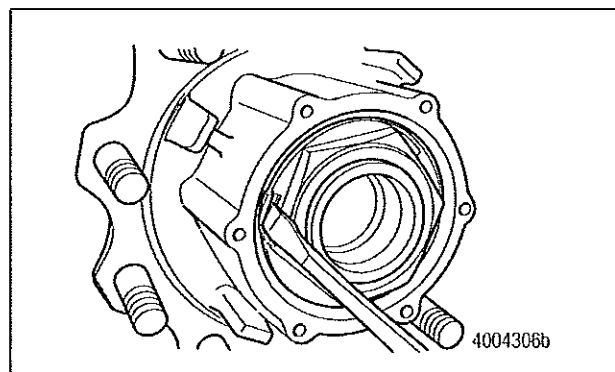


Figure 7

2. Remove the spindle nut from the spindle end. Figure 8. Check to ensure the spindle nut is free of resistance and the threads are not damaged. Fully thread the nut by hand down the entire length of the thread without the stake washer in place. Then remove the nut.
  - **If the threads are damaged:** Replace the spindle nut (part number AM21225405).

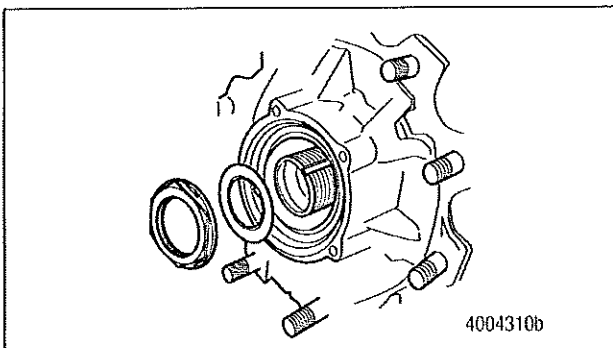


Figure 8

3. Inspect the inboard face of the stake washer for wear or an indent from the bearing contact face. Figure 9.
  - **If wear exists:** Discard the washer unless the hub is being returned.
  - **If the hub is being returned:** Also return the washer and spindle nut.

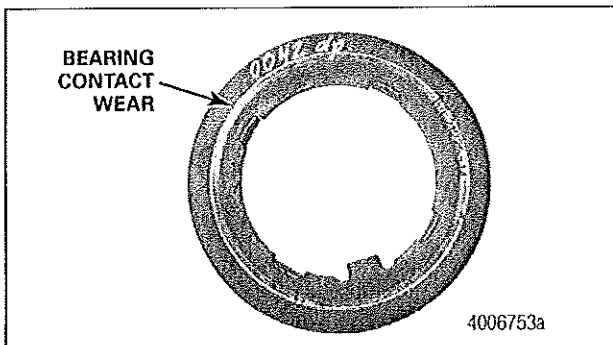


Figure 9

4. Check the spindle threads. Figure 10.
  - **If the threads are not free running, and a limit of two threads are damaged:** Repair the threads with a thread file (Snap-On® tool, part number TTFM932, or equivalent).
  - **If there are more than two threads damaged:** Replace the axle beam. Refer to Maintenance Manual 14 for the procedures.

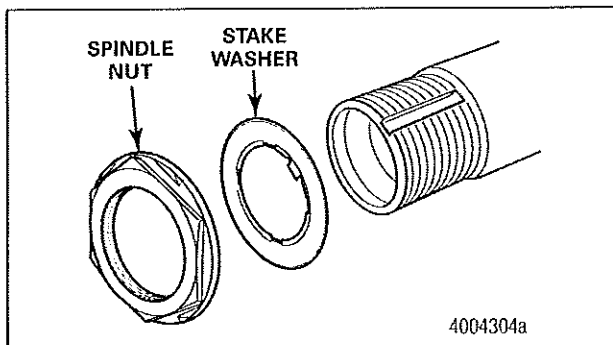


Figure 10

5. Clean the spindle threads and nut threads.
6. Install a new stake washer (part number AM21225514), or the existing washer if it is not worn or damaged, onto the spindle.
7. Install the spindle end nut (part number AM21225405) onto the spindle.

### ⚠ WARNING

You must rotate the hub **COUNTERCLOCKWISE** while you tighten the spindle nut to the specified torque. If you do not rotate the hub during the tightening procedure, the spindle nut can loosen, and the bearing may not seat correctly, which can cause the wheel to separate from the vehicle during operation. Serious personal injury and damage to components can result.

**NOTE:** Disregard the torque values embossed into the outer face of the spindle nut. Tighten the nut to the values specified in Step 8 below.

8. Tighten the spindle end nut to 810-850 lb-ft (1100-1150 N•m) while rotating the wheel and hub in a **COUNTERCLOCKWISE** direction. Do not back off the nut after tightening. Mark the nut location relative to the spindle. Figure 11. ⚠

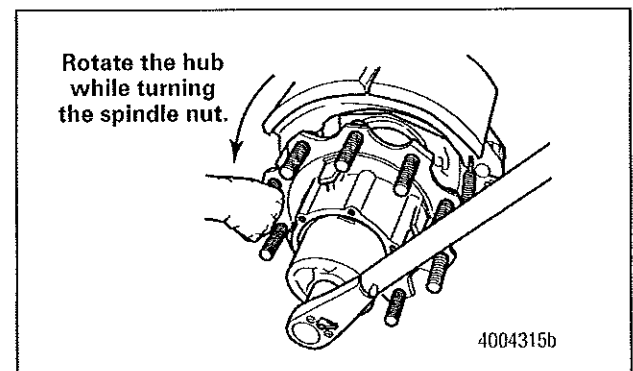
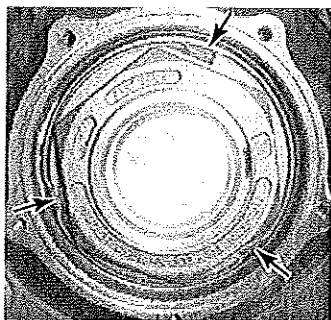


Figure 11

9. Check for wheel-end movement to ensure the wheel end rotates freely as described in the inspection procedure. Verify end play is less than 0.003-inch (0.08 mm) by following Steps 3, 4 and 5 of Detailed Hub Inspection. Record the end play in the hub inspection form.
  - **If end play is greater than 0.003-inch (0.08 mm):** Replace the hub. Refer to Replace the Hub for the procedures.

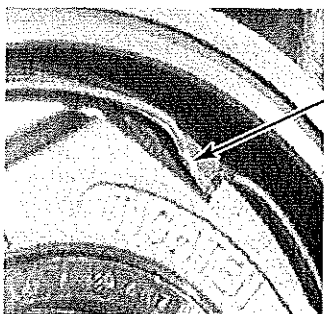
**NOTE:** You must stake the stake washer to the spindle nut in **three** positions.

10. Use a hammer and staking tool (part number AM21225831) to stake the stake washer to the spindle nut in **three** positions. Figure 12 and Figure 13.



4006751b

Figure 12



Stake washer  
edge is cut  
as shown.

4006752b

Figure 13

11. Install the hubcap with a new gasket (part number AM2208P1160). Tighten the hubcap capscrews in a crisscross pattern to 10-15 lb-ft (13-20 N·m). ①

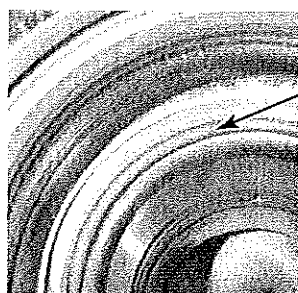
## Replace the Hub

Proceed to the steps below if you are replacing the hub and bearing assembly. Also refer to Figures 4-19 through 4-22 in Maintenance Manual MM-0420.

Contact ArvinMeritor's Commercial Vehicle Aftermarket at 888-725-9355 for the correct hub replacement part number.

**NOTE:** Previous versions of TL hubs may or may not have an O-ring on the inboard side of the hub. All replacement hubs will include an O-ring. This O-ring must be installed with the replacement hub regardless of previous hub arrangement.

1. Ensure the O-ring (part number AM1205Q2747) between the bearing cartridge and the spindle shoulder is inserted into the groove and in place when the hub is installed. Figure 14.



O-RING

INBOARD SIDE OF HUB  
WITH O-RING SEATED

4006755b

Figure 14

2. Check the spindle to ensure there is NOT an extra O-ring.
3. Apply an anti-seize compound (Optimol White Paste T or similar product) to the spindle before remounting the hub.
4. Complete Step 5 through Step 11 of the Thread Inspection procedure.

## ArvinMeritor™

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Revised 01-10  
(16579)

| CUSTOMER_NAME              | CUSTOMER_SHIP_TO_LOCATION                                         | PART_NUMBER    | SERIAL_NUM<br>BER | SHIP_DATE        |
|----------------------------|-------------------------------------------------------------------|----------------|-------------------|------------------|
| GREAT DANE TRAILERS<br>INC | FRK/TERRE HAUTE/GD,GREAT DANE<br>TRAILERS,TERRE HAUTE,IN,47805,US | MPA38S65TL1163 | FRK00389219       | 11/1/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/TERRE HAUTE/GD,GREAT DANE<br>TRAILERS,TERRE HAUTE,IN,47805,US | MPA38S65TL1163 | FRK00389222       | 11/1/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/TERRE HAUTE/GD,GREAT DANE<br>TRAILERS,TERRE HAUTE,IN,47805,US | MPA38S65TL1163 | FRK00389221       | 11/1/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/TERRE HAUTE/GD,GREAT DANE<br>TRAILERS,TERRE HAUTE,IN,47805,US | MPA38S65TL1163 | FRK00389220       | 11/1/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/TERRE HAUTE/GD,GREAT DANE<br>TRAILERS,TERRE HAUTE,IN,47805,US | MPA38S65TL1163 | FRK00544406       | 8/12/2008        |
| GREAT DANE TRAILERS<br>INC | FRK/TERRE HAUTE/GD,GREAT DANE<br>TRAILERS,TERRE HAUTE,IN,47805,US | MPA38S65TL1163 | FRK00544404       | 8/12/2008        |
| GREAT DANE TRAILERS<br>INC | FRK/TERRE HAUTE/GD,GREAT DANE<br>TRAILERS,TERRE HAUTE,IN,47805,US | MPA38S65TL1163 | FRK00544405       | 8/19/2008        |
| GREAT DANE TRAILERS<br>INC | FRK/TERRE HAUTE/GD,GREAT DANE<br>TRAILERS,TERRE HAUTE,IN,47805,US | MPA38S65TL1163 | FRK00544407       | 8/19/2008        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269077       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269076       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269079       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269078       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269081       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269080       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269083       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269082       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269085       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1066 | FRK00269084       | 5/24/2007        |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00700606       | 11/18/2009       |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00700605       | 11/18/2009       |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00693613       | 10/28/2009 16:47 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00693612       | 10/28/2009 16:47 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00693611       | 10/28/2009 16:47 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00693621       | 11/4/2009 17:45  |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00693622       | 11/4/2009 17:45  |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00381130       | 10/11/2007       |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00381129       | 10/11/2007       |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00381128       | 10/11/2007       |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00381127       | 10/11/2007       |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US         | MPA38S75TL1164 | FRK00381126       | 10/11/2007       |

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| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00570425 | 10/17/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00570423 | 10/17/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00570421 | 10/17/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00570419 | 10/17/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00570427 | 10/17/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00570429 | 10/17/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00570432 | 10/17/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00570431 | 10/17/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573462 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573467 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573465 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573463 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573468 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573461 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573459 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573460 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573466 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573458 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573464 | 10/24/2008 |
| GREAT DANE TRAILERS<br>INC | FRK/WAYNE/GD,GREAT DANE TRAILERS<br>INC,WAYNE,NE,68787,US   | TL8671LE2160 | FRK00573469 | 11/3/2008  |
| GREAT DANE TRAILERS<br>INC | FRK/SAVANNAH/GD,GREAT DANE<br>TRAILERS,SAVANNAH,GA,31415,US | TL8671LH2141 | FRK00237140 | 4/25/2007  |
| GREAT DANE TRAILERS<br>INC | FRK/SAVANNAH/GD,GREAT DANE<br>TRAILERS,SAVANNAH,GA,31415,US | TL8671LH2141 | FRK00237141 | 4/25/2007  |

