

MERITOR[®]
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Technical Bulletin

Lower Axle Seat Weld Inspection and Repair for Meritor RideSentry™ MPA Series Sliding Tandem Trailer Air Suspension Systems

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.

How to Obtain Additional Maintenance and Service Information

Refer to Maintenance Manual 14R, RideSentry™ MPA Series Sliding Tandem Trailer Air Suspension System; and Technical Bulletin TP-0777, Installing RideSentry™ Suspension Axle Seats onto RideStar™ RHP Series Single-Axle and Sliding Tandem Trailer Air Suspension Systems. To obtain these publications, visit Literature on Demand at arvinmeritor.com.

Inspection Procedure

1. Wear safe eye protection. Park the vehicle on a level surface. Block the wheels to prevent the vehicle from moving.
2. From underneath the trailer, inspect the lower axle seat welds as follows.
 - A. Check that there are a total of four welds per axle seat side (two lower axle seats welded on each side). Figure 1.
 - B. Verify the welds are nominally 1.5-inches (38 mm) long and 0.25-inch (6.35 mm) wide on each side of the lower axle seat onto the axle. The welds should not be more than 1.5-inches (38 mm) long. Figure 2.

- If any welds are missing or incomplete: Call ArvinMeritor's OnTrac Customer Service Center at 866-OnTrac1 (668-7221) for repair authorization. Refer to Contact the ArvinMeritor OnTrac Customer Service Center at the end of this bulletin. Once you receive authorization, perform the Weld Repair Procedure in this bulletin.

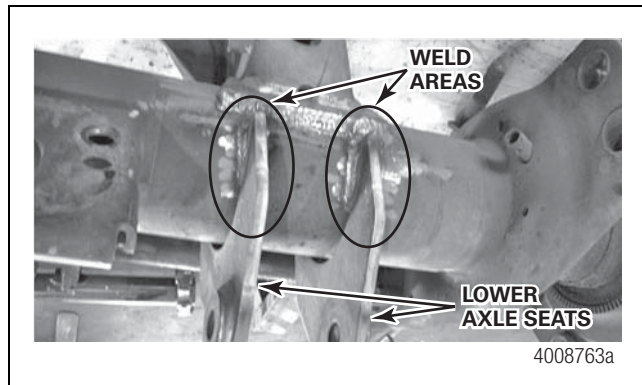


Figure 1

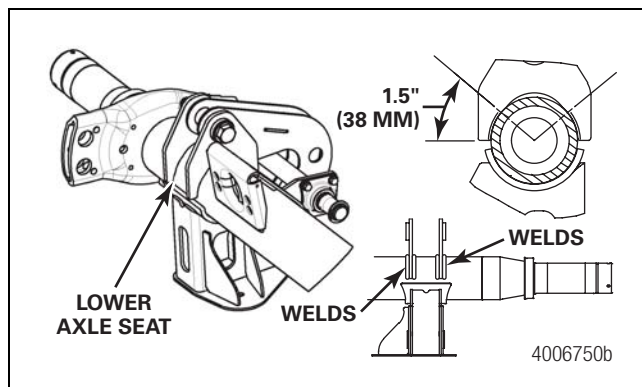


Figure 2

3. Inspect the lower axle seat welds on the other end of the axle using the same procedure.

Weld Repair Procedure

⚠ WARNING

You must follow correct welding procedures and weld at locations authorized by Meritor when you weld to suspension components. Welding at locations other than those authorized by Meritor will void the warranty and can reduce trailer axle fatigue life. Serious personal injury and damage to components can result.

Wear safe clothing and eye protection when you use welding equipment. Follow instructions provided by welding equipment manufacturers to prevent serious personal injury and damage to components.

Do not weld over the end of the lower seats. Weld repairs to the axle seat must not extend more than 1.5-inches (38 mm). Welds longer than this specification may result in premature fatigue fractures to the axle tube. Serious personal injury and damage to components can result.

1. Wear appropriate clothing and eye protection when using welding equipment. Refer to Maintenance Manual 8 for complete welding instructions.
2. Use 0.035 E70 wire and 75/25 gas to weld the missing or incomplete areas. Make each weld 1.5-inches (38 mm) long and 0.25-inch (6.35 mm) wide. Welds should not be longer than 1.5-inches (38 mm). Do not weld over the end of the lower seats. Figure 2.
3. When you have finished, verify there is a total of eight complete welds, (two lower axle seats welded on each side). Continue repairs on the other end of the axle, if necessary.

Contact the ArvinMeritor OnTrac Customer Service Center

Call ArvinMeritor's OnTrac Customer Service Center at 866-OnTrac1 (668-7221) (United States and Canada) between 8:00 AM and 8:00 PM ET Monday through Friday, and between 9:00 AM and 6:00 PM ET on Saturday. After selecting "preferred language," select "Option 7." The OnTrac representative will need the following information to give the repair facility the permission to proceed with the work. The OnTrac representative will also provide you with complete parts return information.

- Complete 17-digit vehicle identification number (VIN)
- ArvinMeritor axle model and serial number. Figure 3.
- Vehicle owner's name, address and telephone number
- Vehicle in-service date
- Repair facility's name, address and telephone number
- Repair facility's hourly rate

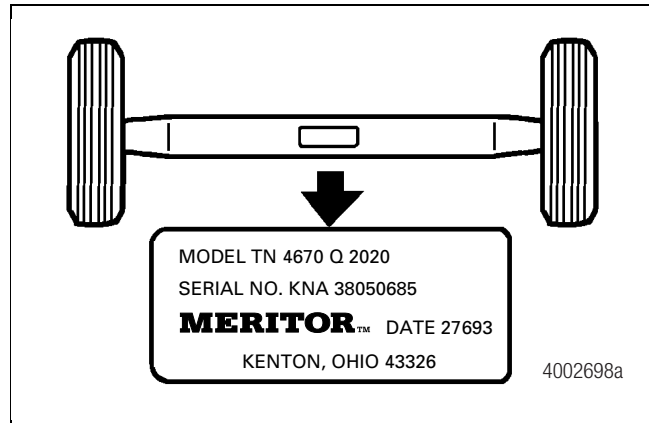


Figure 3

ArvinMeritor™

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