

Authorized Field Change



AFC G-05907

Date: June, 2005

Subject File: REAR AXLE

Subject: Certain 9000i Models Built Between March 29, 2005 and April 26, 2005 with ArvinMeritor RT40 Series Tandem Axles and Suspension Codes 14UNL, 14UNM, and 14UNN, May Require the Inter Axle Prop Shaft Replaced

Model: 9200i

Start Date: 03/29/2005 End Date: 04/26/2005

Model: 9400i

Start Date: 03/29/2005 End Date: 04/26/2005

Model: 9900i

Start Date: 03/29/2005 End Date: 04/26/2005

Unit Code: 14UNL

Unit Code: 14UNM

Unit Code: 14UNN

DESCRIPTION

The length of the inter axle prop shaft installed between the forward rear and the rear rear tandem axles may be too long and could result in premature axle bearing failure. To remedy this, new inter axle prop shafts will be installed.

PARTS INFORMATION

Table 1 Inter Axle Prop Shafts

| Suspension Code | Prop Shaft Code | Production Part Number | Service Part Number (Quantity 1 Required) | U-Joint Series | Bearing Strap Kit (Quantity 2 Required) |
|-----------------|-----------------|------------------------|--|----------------|--|
| 14UNN | 417LTP | 417LTP0530 | 8000868R91 | SPL170 | 2500674C91 |
| | 427DTP | 427DTP0515 | 8000873R91 | 1710 | 1658835C91 |
| 14UNM | 417LTP | 417LTP0605 | 8000869R91 | SPL170 | 2500674C91 |
| | 427DTP | 427DTP0590 | 8000871R91 | 1710 | 1658835C91 |
| 14UNL | 417LTP | 417LTP0735 | 8000870R91 | SPL170 | 2500674C91 |

NOTE: To determine the correct inter axle prop shaft and bearing strap kit service part numbers to use, identify the suspension code and prop shaft code from the line set ticket for the vehicle being serviced. Use the suspension code and prop shaft code to select the correct service part numbers from Table 1.

SERVICE PROCEDURE



WARNING – To avoid property damage, personal injury, or death, park the vehicle on a flat level surface, set the parking brake, turn the engine off, and chock the wheels.



WARNING – To avoid personal injury or death use a jack stand or equivalent support under the inter axle prop shaft during the removal and installation procedure.

1. **Inspection:** Compare the 10 digit part number from the label on the inter axle prop shaft, currently in the vehicle, with the **production part number** listed in Table 1. Note, the identification label can be viewed by peeling off the top layer that protects the label from paint. If the two numbers match, then the correct inter axle prop shaft is already in the vehicle. Do not perform this Service Procedure.

If the part numbers do not match, continue to Step 2.

2. Raise the forward rear axle and support with jack stands. This will spread the distance between the tandem axles and aid the removal of the inter axle prop shaft.
3. Remove the four bearing strap mounting bolts (Figure 1) from the forward rear tandem axle output yoke.

SERVICE PROCEDURE (CONT.)

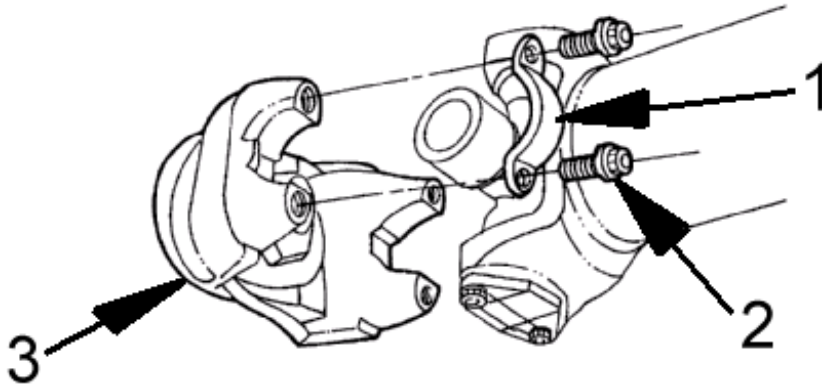


Figure 1 Remove / Install Bearing Caps

1. Bearing Strap
 2. Mounting Bolts
 3. Yoke
4. Compress the slip joint of the inter axle prop shaft for removal clearance and disconnect the inter axle shaft from the yoke.
 5. Repeat Steps 1 and 2 for the other end of the inter axle prop shaft.
 6. Remove the inter axle prop shaft from the vehicle.
 7. Install the new inter axle prop shaft, using new bearing straps, following Steps 1 to 4 in reverse order. Make sure the bearing caps are seated correctly (Figure 2). Tighten the bearing strap mounting bolts:
 - A. 1710 U-Joint Series: 115 to 135 Lbf-ft (156 to 183 Nm)
 - B. SPL170 U-Joint Series: 100 to 120 Lbf-ft (136 to 163 Nm)

SERVICE PROCEDURE (CONT.)

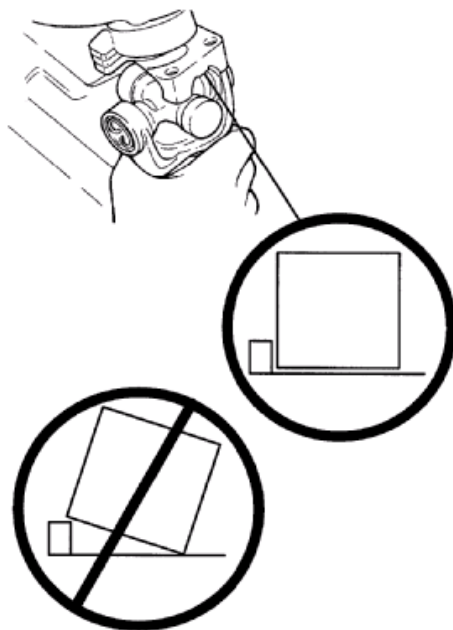


Figure 2 Insure Bearing Caps are Seated in Yoke

Operation number must appear on all claims.

Table 2 Labor Information

| Operation No. | Description | Time |
|---------------|--|---------|
| A40-05907-1 | Inspection for Correct Inter Axle Prop Shaft Already Installed | 0.3 Hr. |
| A40-05907-2 | Remove Inter Axle Prop Shaft and Replace with New Shaft | 0.8 Hr. |

ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-05907.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44.

To assure this important improvement is made in a timely manner, all claims for G-05907 activity must be submitted by June 30, 2006 or within the normal warranty period for the vehicle, if after June 30, 2006.

| GROUP | NOUN | C | WARR. | TP | PAD |
|-----------------------|------------------|---|------------------------------------|--|---------------|
| GROUP Enter number G— | NOUN Leave blank | C (CAUSE) Enter either 1, 2, 3. (see below) | WARRANTY (Warranty Code) Enter 40. | TYPE PART Enter P for type part causing failure. | PAD Enter 100 |
| | | 1. Inspected (No repair required). | | | |
| | | 2. Inspected and repaired. | | | |
| | | 3. Defective part from parts stock. | | | |

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