

Authorized Field Change



AFC 20904

Date: APRIL 2021

Subject File: REAR AXLE

Subject: Inter-Axle Driveline

Model: International® MV™ Series

Start Date: 29 May 2018 End Date: 17 May 2019

Engine Family: NA

DESCRIPTION

Certain International® MV™ Series trucks built with feature codes 14GVJ, 14GVX, or 14GVY (Axle rear tandem, Meritor MT 40 series) and with 14UNU (Suspension, rear air tandem 6X4 IROS) may have less than optimal driveline operating angles and this procedure is intended to improve inter-axle differential reliability.

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with AFC 20904. Check and complete any other open campaigns also at this time.

PARTS INFORMATION

Table 1. **Parts Information**

Part Number	Description	Quantity
3601572C3	Seat, Forward-Rear Axle	2
3601585C3	Seat, Rear-Rear Axle	2
3541720C3	Plate, Spring, 4-Degree Forward-Rear	2
3541724C4	Plate, Spring 14-Degree Rear-Rear	2
3549202C2	Nut Hexagon Non-Metal Lock, 7/8-14, GR 8	16
25549R1	Washer, Flat	16
3538842C3	Bolt, U-Spring 7/8 inch x 16.351 inch	8
2643454R1 or Equivalent	Fluid Gear Lub 85W-140 (Mineral Oil)	56 Pints

SERVICE PROCEDURE



WARNING: To prevent personal injury, and / or death, or damage to property, park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions.



WARNING: To personal injury, and / or death, or damage to property, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.



WARNING: To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.



WARNING: To prevent personal injury, and / or death, or damage to property, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

1. Park vehicle on a flat surface.
2. Shift transmission to Park or Neutral and set the parking brake.
3. Turn vehicle ignition to Key OFF position.
4. Install wheel chocks.

SERVICE PROCEDURE (CONT.)

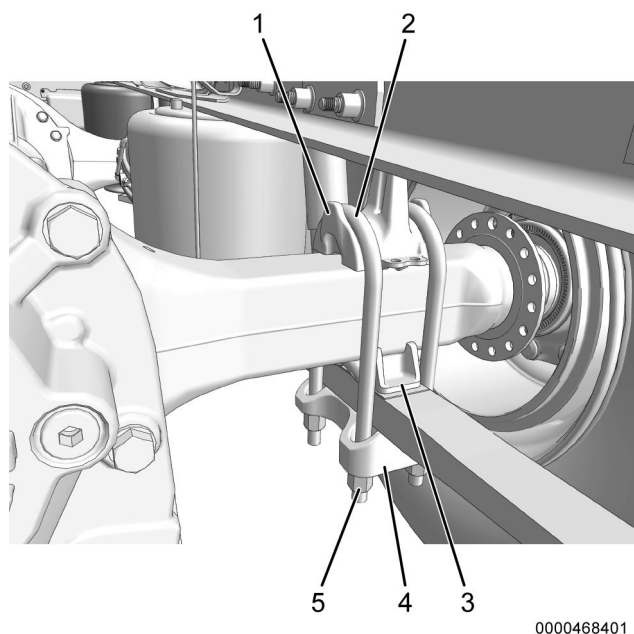


Figure 1. Replace Axle Seats

1. Upper axle seat
2. U-bolt (2)
3. Plate, spring
4. Lower axle seat
5. U-bolt nut (4)

NOTE: Follow appropriate axle seat orientation. For axle seat orientation, arrow should be pointing forward. Rear-rear axle plate should have thicker portion of wedge mounted forward.

NOTE: Forward-Rear axle seat P/N is 3601572C3 and Rear-Rear axle seat P/N is 3601585C3.

NOTE: Replace axle seats and plates on one side of each axle at a time. Forward-Rear Plate P/N is 3541720C3. Rear-Rear Plate P/N is 3541724C4.

5. Starting at the right forward rear axle, remove U-bolt nuts (Figure 1, Item 5) from U-bolts (Figure 1, Item 2). Remove U-bolts and lower axle seat (Figure 1, Item 4). Discard U-bolts, nuts, washers, and seat.
6. Using a suitable jack, raise axle from plate (Figure 1, Item 3). Remove and discard plate.
7. Install correct new plate (Figure 1, Item 3) and lower axle back into position.
8. Install new U-bolts (Figure 1, Item 5), correct lower axle seat, washers, and nuts.

SERVICE PROCEDURE (CONT.)

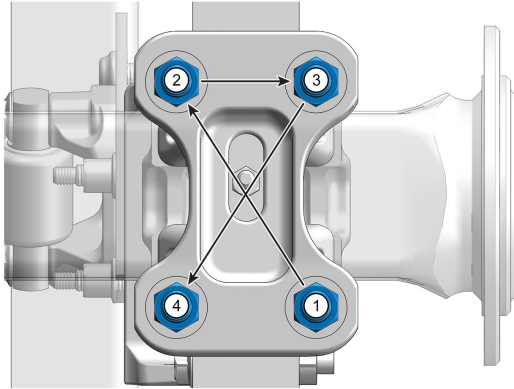


Figure 2. Correct Torque Sequence

NOTE: When tightening and retightening U-bolt nuts, follow correct torque sequence as shown in Figure 2.

9. Using a torque wrench, tighten all U-bolt nuts to 15 lb-ft (20.3 N•m). Continue to retighten all U-bolts in the following order:
 - a. Retighten all U-bolt nuts to 100 lb-ft (136 N•m).
 - b. Retighten all U-bolt nuts to 200 lb-ft (271 N•m).
 - c. Retighten all U-bolt nuts to 300 lb-ft (407 N•m).
 - d. Retighten all U-bolt nuts to 400 lb-ft (542 N•m).
 10. Repeat Steps 5 through 9 for three remaining axle seats and plates.
 11. On forward rear axle only, drain and fill forward rear axle lubricant.
 12. Measure vehicle ride height. Refer to appropriate section of International® MV™ Service Manual for detailed instructions.
- NOTE: Ride height measurement is found in the description for rear axle suspension under the components tab on International® Service Portal™ organized by VIN in the Labor table.**
13. If necessary, adjust ride height to specification.
 14. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Table 2. Labor Information

Operation No.	Description	Time
A40-20904-1	Replace Front and Rear Axle Seats and Plates	3.6 hrs
A40-20904-2	Drain and Fill One Axle, Measure / Adjust Ride Height	0.6 hrs

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 20904.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

As with all claim submissions, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To ensure this important improvement is made in a timely manner, all claims for 20904 activity must be submitted by 16 April 2022 or within the normal warranty period for the component repaired, if after 16 April 2022.

GROUP	NOUN	C	WARR.	TP	PAD

GROUP — Enter number ←

NOUN — Leave blank ←

C (CAUSE) — Enter either 1, 2, 3. (See below)

- 1. Inspected (No repair required).
- 2. Inspected and repaired.
- 3. Defective part from parts stock.

WARRANTY — (Warranty Code) Enter 40. ←

TYPE PART — Enter P for type part causing failure. ←

PAD — Enter 100 ←

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