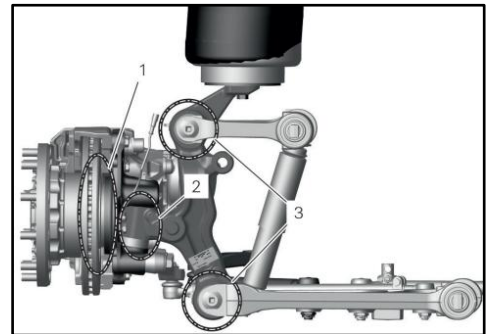


TSIB 26-04 Rev A		January 26, 2026
TO:	All MCI Operators	
TITLE:	Steering Axles Maintenance Procedure	
APPLICABILITY:	All MCI Coaches with ZF steering front and rear axles	

This TSIB is to inform customers the recommended steering axle cleaning/greasing instructions to prevent any damage on axle components due to displacement of grease from the bearings, lubrication reduction and accelerate wear.

Observe the following points:

- Do not work with high pressure cleaner in the following areas:
 - Sensors and seals of hub and brake (1)
 - Kingpin bearing on steering axles (2)
 - Control Arm Bearings on steering axles (3)
- Do not use washing systems with high levels of water spraying in the areas (1), (2) and (3) e. g. intense underbody washing



When cleaning with high-pressure cleaner:

- Clean with water only.
- The use of cleaning agents is prohibited.
- Keep a minimum distance of 1 meter between the high-pressure cleaner nozzle and axle components.
- Do not point the cleaning jet directly at the axle components.

Recommended Greasing Procedure

- Only use oils listed in the valid ZF List of Lubricants.
- The recommended service interval for lubricating the axles is every 48,000 miles (77,000 km). Under extreme conditions (e.g. dust, wetness, dirt, etc.) the components must be greased more often.
- The grease fittings installed on the front and tag axles of this coach are Metric standard (DIN71412/ISO 6392) fitted into in a M10 x 1 thread. Metric grease guns must be used to properly grease these fittings.
- When using a pneumatic pump, set initial pressure to max. 250 bar.
- When using an automatic lubrication system, set initial pressure to max. 250 bar.
- Always lubricate with the wheels on the ground, as this is the only way to ensure a correct grease flow.
- Grease all greasing points, until clean grease comes out at the seal rings (steering knuckle bearing) and scrapers (control arm bearing) over the whole circumference.
- Check compact bearing. If necessary, carry out maintenance including grease change.

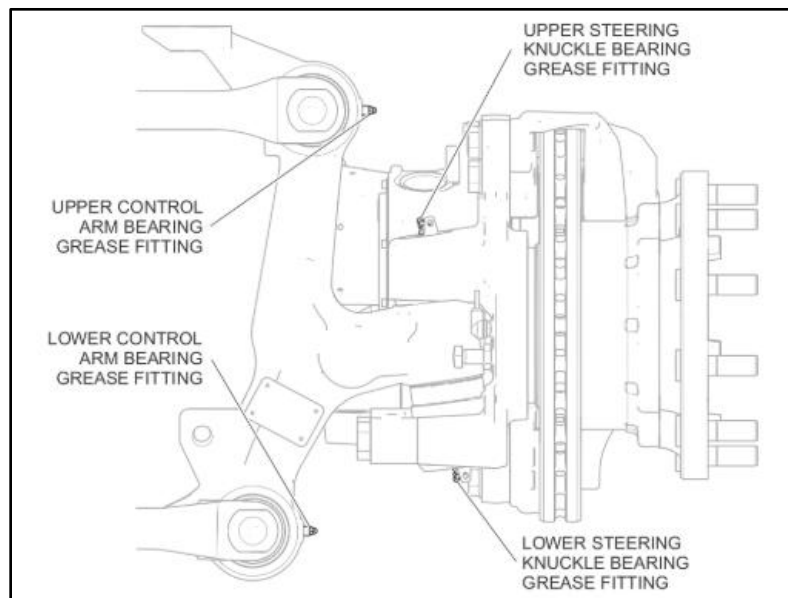


Figure 1: Front and Tag Steering Axle Grease Fittings

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