# NABI Service Bulletin No: SB-15-02-01

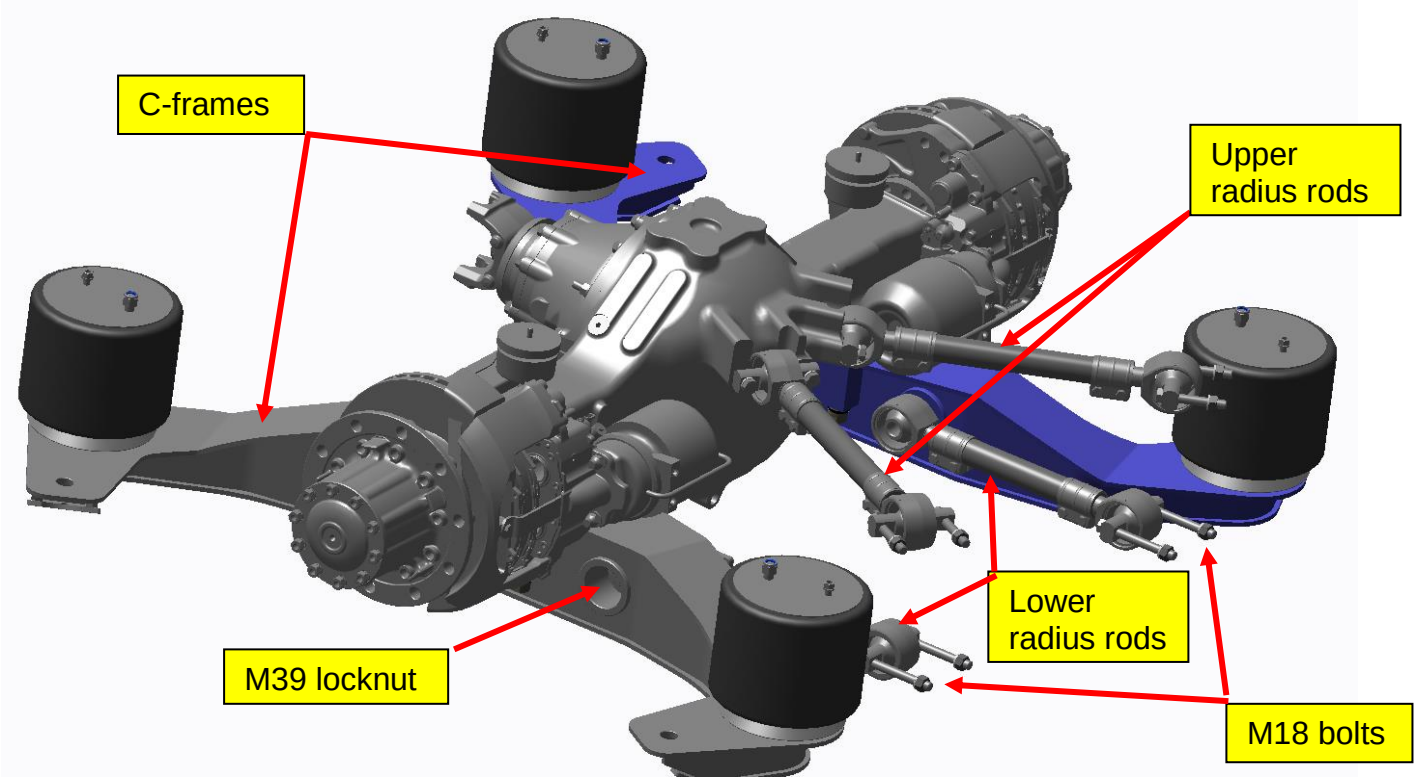
**To:** Bus Operations Managers and Supervisors
Bus Maintenance Managers and Supervisors
Bus Maintenance Personnel

**Subject:** Rear Lower Radius Rod Maintenance

**Date:** March 17, 2015

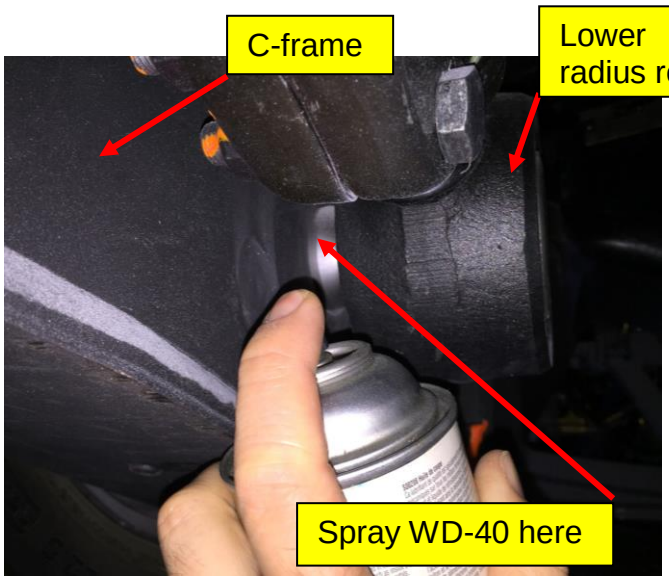
The purpose of this bulletin is to emphasize the maintenance requirements of the rear lower radius rods.

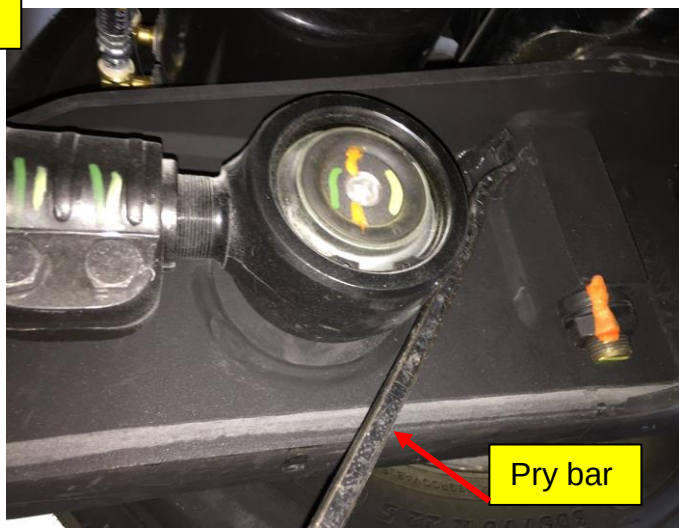
- Regular inspection of all the radius rods is required to ensure proper operation. Inspect the condition of the radius rods and their mounting hardware every 24,000 miles.
- The rear lower radius rod is different from the other radius rods. This radius rod has a tapered and threaded part where it connects to the C-frame. This end of the radius rod is secured to the C-frame by a M39 size locknut. See below drawing for parts identification.



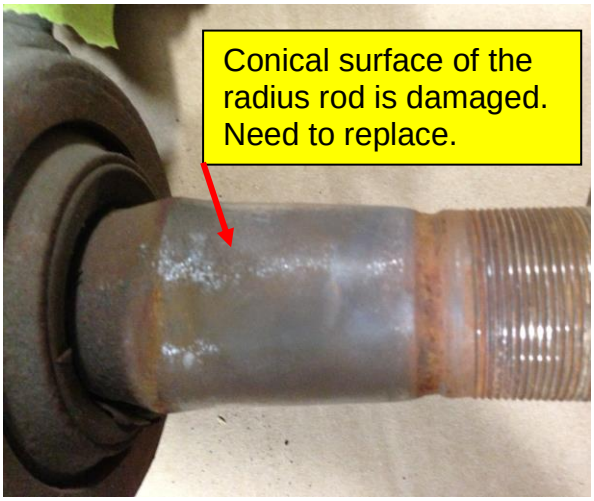

- Ensure that the lower radius rod is tightly secured in the C-frame. No movement is allowed. Spray WD-40 or similar lubricant to the radius rod shaft as photo shown below. This lubricant will help to identify small movements if any. Use a large pry bar between the radius rod and C-frame and try to move the radius rod forward then position the pry bar underneath the upper edge of the C-frame and pry the radius rod head downward as well.

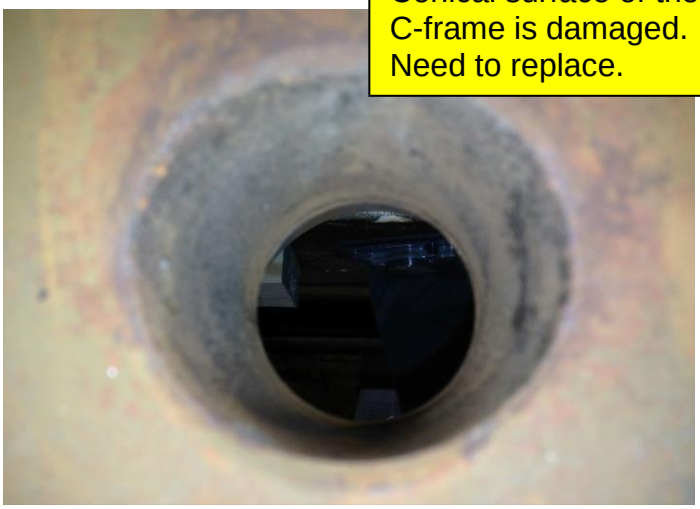
A 5 lb hammer may be used as well: gently tap the bottom of the head of the radius rod while watching the lubricated area for movement.




- If no movement was detected then inspect the torque of the M39 size locknut: set the torque wrench to 630 ft-lbs and tighten the nut. If the locknut doesn't rotate or rotate less than a ¼-turn before the desired torque (the torque wrench "clicks") then no further action is required. If the nut turned more than a ¼ then see next step below.
- If loose radius rod was identified and/or the M39 size locknut turned more than a ¼ then follow the instructions below:
  - Remove M39 size locknut from the lower radius rod by using a 60 mm socket with a ratchet bar. Don't remove wheels unless an air impact tool needs to be used to remove the nut.
  - Remove mounting hardware (M18 bolts) that secure the lower radius rod to the bus chassis.
  - Remove radius rod. Inspect for wear or damage of the conical surface. Replace as required. If radius rod replacement is necessary, measure the length of the original rod and adjust the new rod to the same length.




- Inspect the conical surface of the C-frame. Replace as required.
- Degrease the mating surfaces of both parts then install radius rod into the C-frame.

- Install mounting hardware (M18 bolts) that secure the radius rod to the bus chassis.
- Place a 42 mm flat washer (P/N 700-8602-051) onto the rod.
- Apply a small amount of anti-seize to the threads of the locknut and install it to the radius rod. Replace nut only if damaged. The nut can be reused 4 times.
- Torque M39 locknut to 590-630 ft-lbs.
- Torque M18 bolts per NABI maintenance manual.

For questions regarding this New Flyer Service Bulletin, or any other service inquiry, please contact:

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