

Authorized Field Change

NAVISTAR[®]

AFC 22901

Date: FEBRUARY 2022

Subject File: BRAKES

Subject: Rear Axle Brake Chambers

Model: IC Bus[®] CE and RE Series school and commercial buses

Start Date: 03/17/2021 End Date: 11/16/2021

Engine Family: N/A

DESCRIPTION

The rear axle brake chambers may be installed in the incorrect mounting slot which could lead to long term durability issues.


ELIGIBILITY


This procedure applies ONLY to vehicles marked in the International[®] Service PortalSM with AFC 22901. Check and complete any other open campaigns also at this time.


PARTS INFORMATION


There are no parts for this campaign.

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 prevent 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.

SERVICE PROCEDURE (CONT.)

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

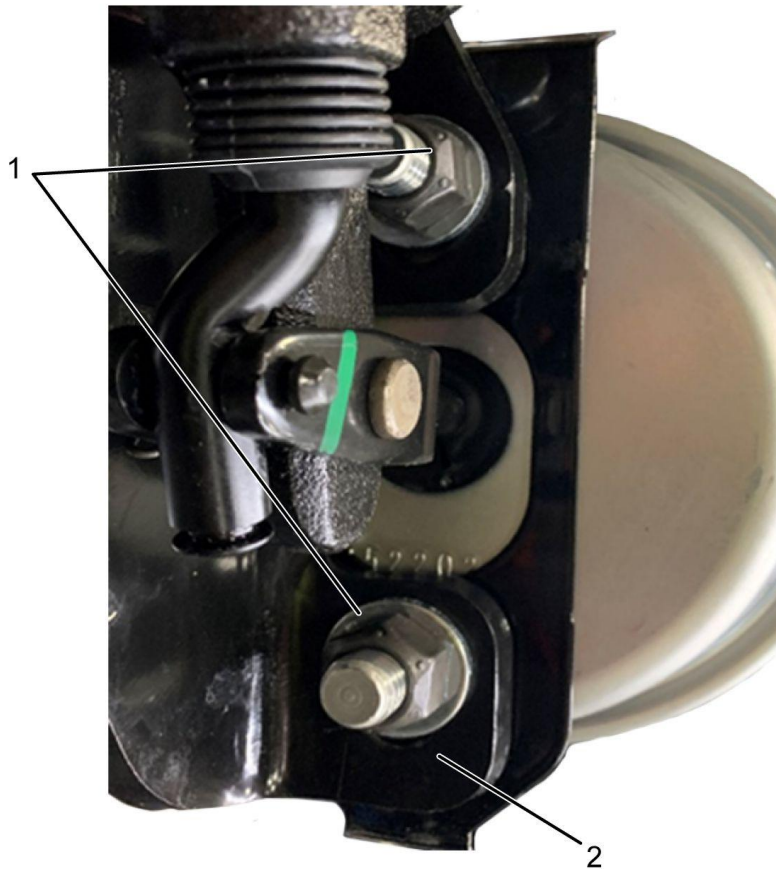


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Figure 1. Incorrect Mounting Position

1. Clevis pin (2)
2. Incorrect mounting position (lower slot)
3. Clevis pin retaining clip (2)

SERVICE PROCEDURE (CONT.)



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Figure 2. Correct Mounting Position

1. Nut and washer assembly (2)
 2. Correct mounting position (upper slot)
5. Inspect both drive axle spring brake chamber assembly mounting locations for correct installation.
 - a. If both spring brake chamber assemblies are mounted in correct mounting position (upper slot) (Figure 2, Item 2), go to Step 17.
 - b. If one or both spring brake chamber assemblies are mounted in incorrect mounting position (lower slot) (Figure 1, Item 2), go to Step 6.
 6. Remove caging bolt from its holder and fully cage spring brake chamber assembly that needs to be moved.
 7. Remove clevis pin retaining clips (Figure 1, Item 3) and then remove clevis pins (Figure 1, Item 1) from slack adjuster. Save all for reuse.
 8. Remove nuts and washers (Figure 2, Item 1) holding spring brake chamber assembly to mounting bracket.
 9. Position spring brake chamber assembly to correct mounting position (upper slot) (Figure 2, Item 2).

SERVICE PROCEDURE (CONT.)

10. Install nuts and washers (Figure 2, Item 1) removed in Step 8 on spring brake chamber studs. Using a torque wrench, tighten nuts to 135 to 155 lb-ft (183 to 210 N•m).
11. Install clevis pins into slack adjuster and then install clevis pin retaining clips.
12. Uncage spring brake chamber assembly and return caging bolt to its holder and tighten nut.
13. If a second chamber needs to be moved, repeat Steps 6 through 12.
14. Release parking brake.
15. Adjust both brakes on rear axle.
16. Set parking brake.
17. Remove wheel chocks.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation number must appear on all claims.

NOTE: If two chambers require relocation, enter SRT A40-22901-2 a second time when submitting your claim.

Table 1. Labor Information

Operation No.	Description	Time
A40-22901-1	Inspect Spring Brake Chamber Assemblies	0.3 hr
A40-22901-2	Reposition Spring Brake Chamber Assembly	0.4 hr

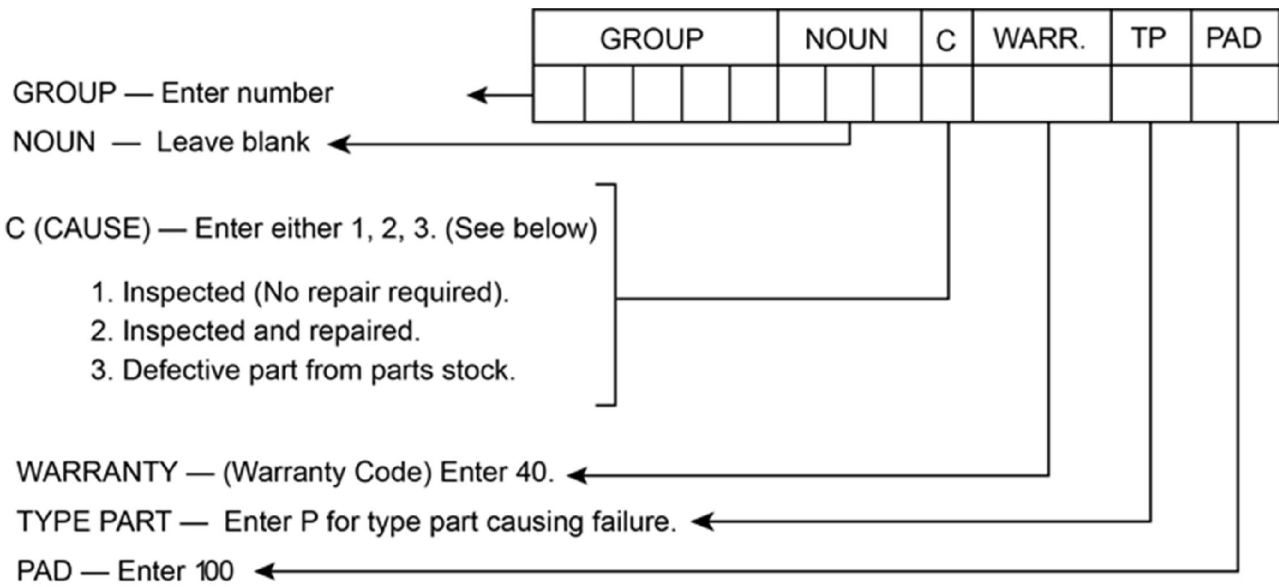
ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number 22901.

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 22901 activity must be submitted by 08 February 2023 or within the normal warranty period for the component repaired, if after 08 February 2023.



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